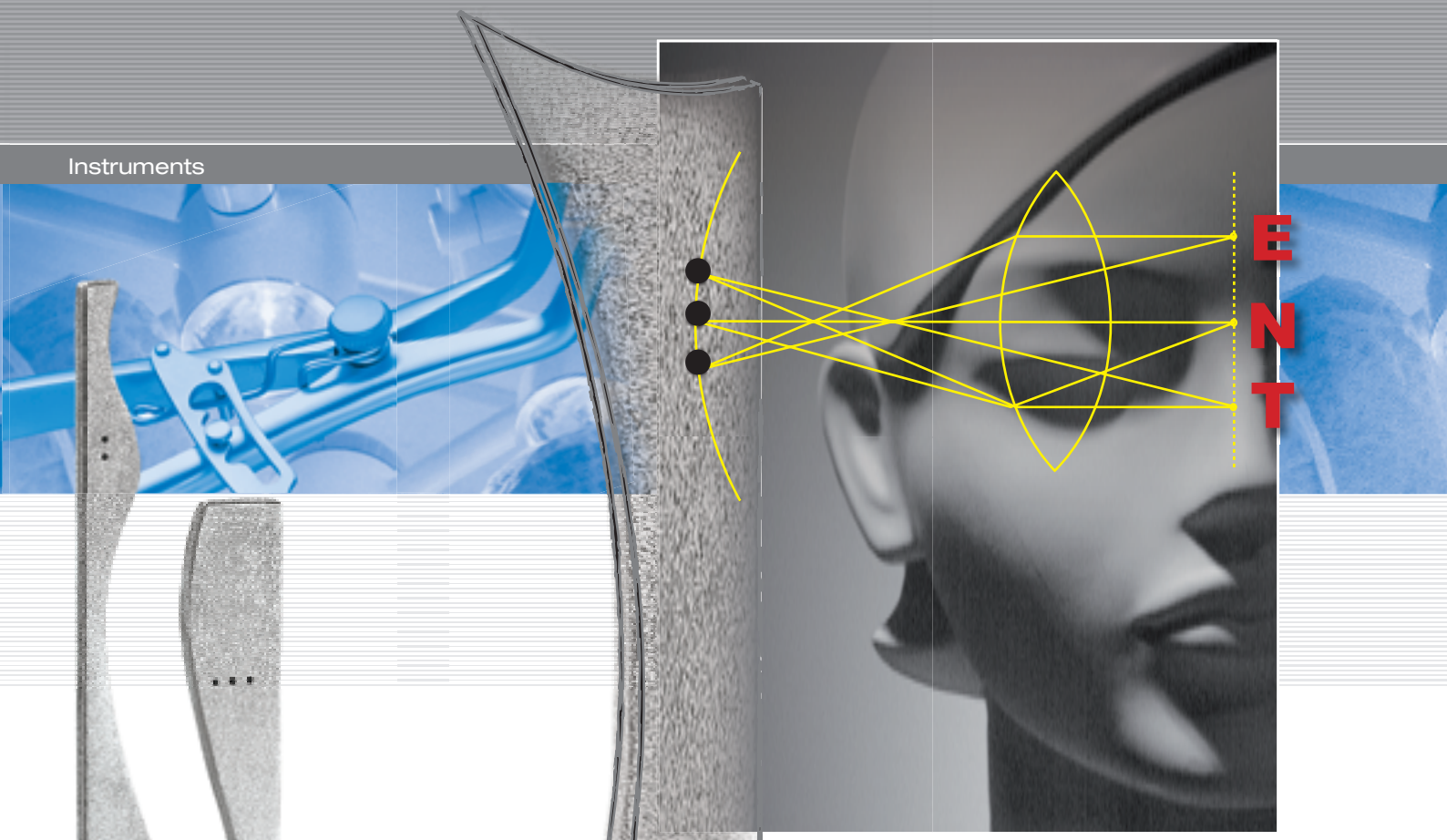
Instruments



ENT Surgery

HNO · ORL

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

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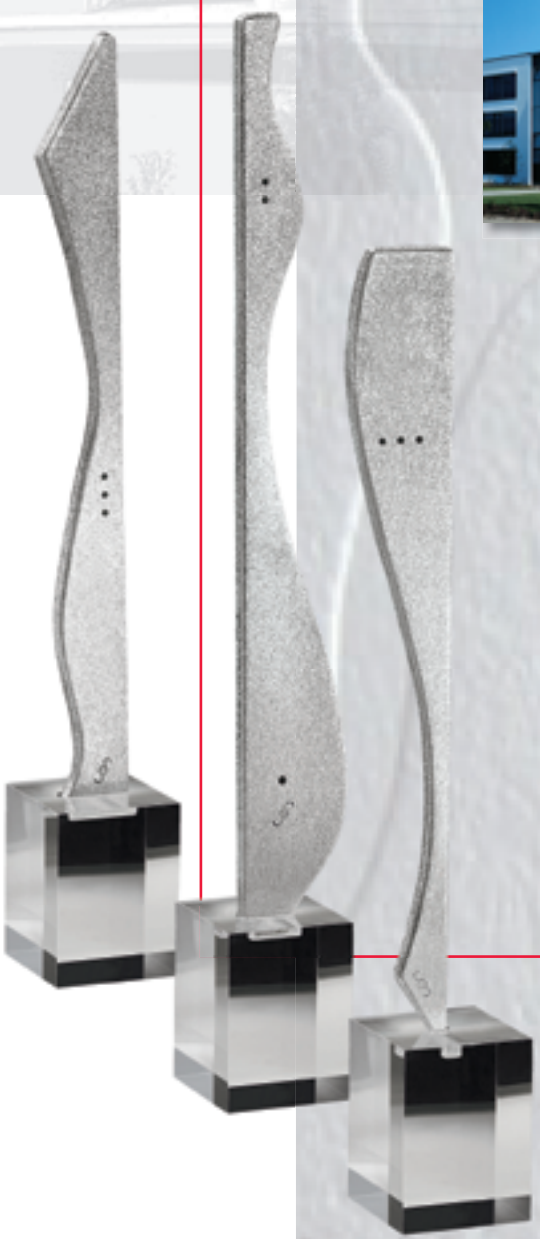

Sine Semljé

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 her works for the design of our catalogue.

Agradecemos el gentil soporte y la colaboración de la artista Sine Semljé y, les queremos dar las 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 l'artiste Sine Semljé et nous remercions vivement d'avoir mis à notre disposition ses œuvres pour le design de notre catalogue.

Con molto piacere abbiamo accettato il gentile sostegno e la collaborazione dell'artista Sine Semljé. Desideriamo ringraziarla di cuore per la suo disponibilità e per il suo rapporto nella redazione del nostro catalogo.

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Gedruckt in Deutschland
Printed in Germany
Impreso en Alemania
Imprimé en Allemagne
Stampato in Germania
Trykket i Tyskland

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Künstlerportrait
Portait of the Artist
Retrato de los artista
Portrait des artiste
Ritratto degli artisti

THE ART OF SI

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 SEMLJE´
Zeppelin Straße 8 · D-78234 Engen

NE SEMLJE'

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.

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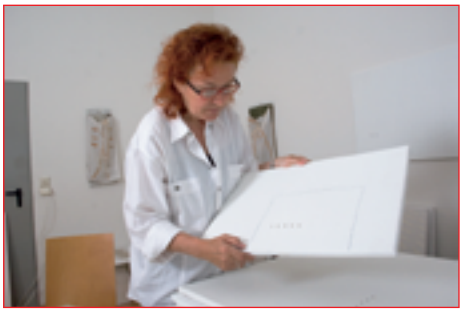

La vita artistica di **Sine Semljé** è contraddistinta da un processo ininterrotto di riduzione. Inizia gli studi d'arte nel 1970 a Wuppertal.
Sine Semljé intitola "Angelo Custode" la stele di metallo alta circa 20 cm qui raffigurata, poggiante su cubi in acrilico finemente lavorati. Anche la fluttuante 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 haben eine Größe von ca. 50 %. Andere Darstellungsgrößen werden im Maßstab (zum Beispiel 1:1) angegeben. Die dazugehörigen Detailbilder sind in Originalgröße (100 %) abgebildet. Die angegebenen Bemaßungen unterliegen herstellungsbedingt einer Fertigungstoleranz.

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Las ilustraciones de los instrumentos tienen un tamaño de aprox. 50 %. Otros tamaños de las ilustraciones serán indicados con la indicación de un escala (por ejemplo 1:1). Los imagenes detallados pertinentes son en su tamaño original (100 %). Las dimensiones indicadas son sujeto de tolerancias.

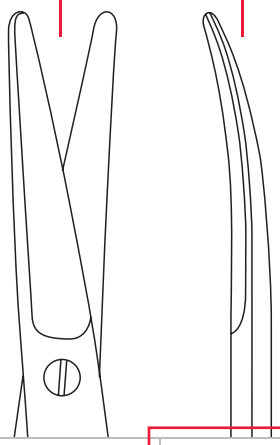
Les illustrations de nos instruments sont à 50 % de la taille réelle. D'autres dimensions de représentation sont données avec indication d'échelle (par exemple 1:1). Les images de détail sont projetées en grandeur réelle (100 %). Toutes les dimensions données ont une tolérance de fabrication.

Le illustrazioni dei nostri strumenti hanno una dimensione del 50 %. Altre dimensioni di raffigurazione sono segnate con una scala (per esempio 1:1). Le relative illustrazioni dettagliate sono illustrate in dimensioni originali (100 %). Le dimensioni indicate sono soggette a una tolleranza di fabbricazione.

Beispiel
Example
Ejemplo
Exemple
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 curva)



1:1

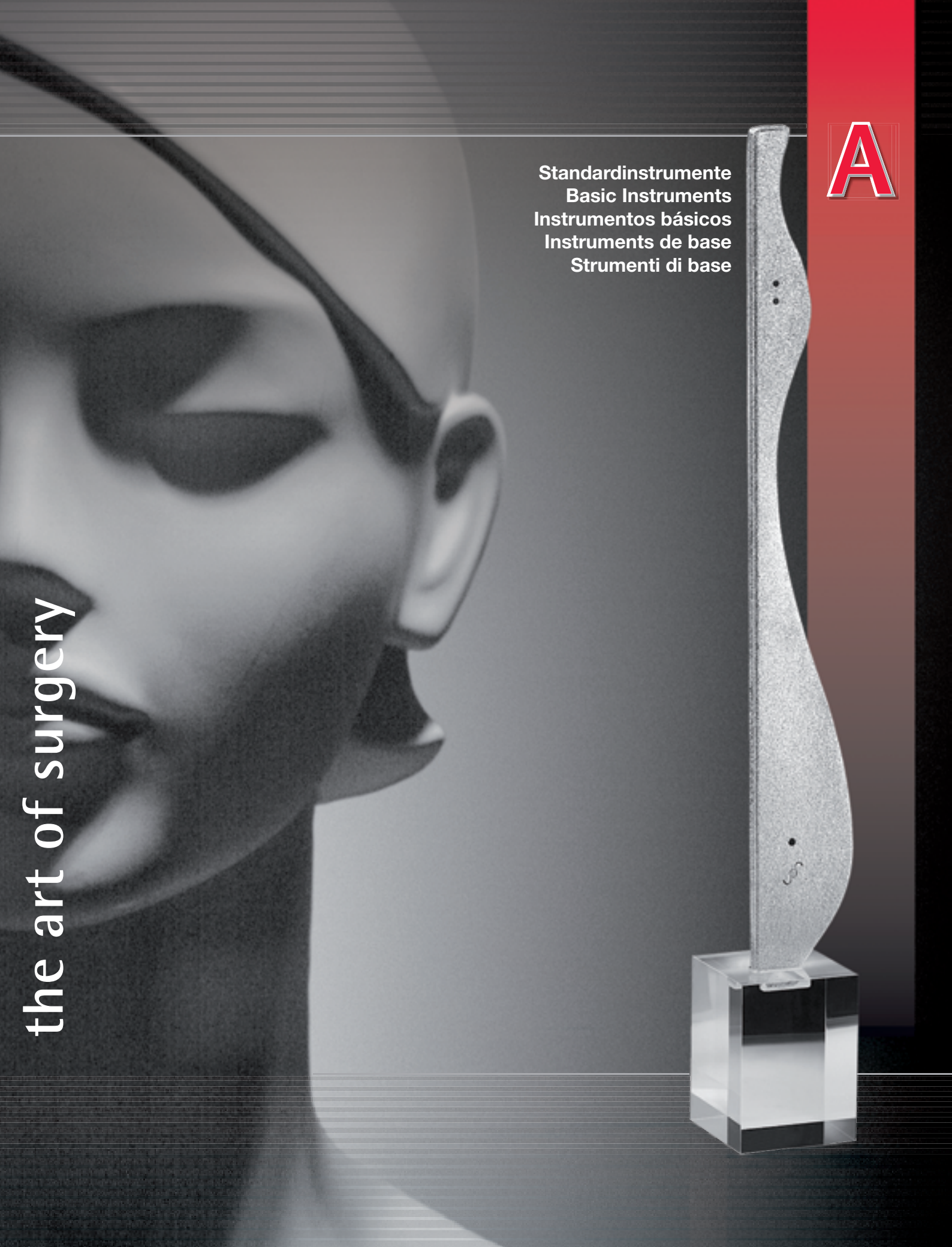
Darstellungsgröße
Image sizes
Tamaño de representación
Dimension de représentation
Dimensione di raffigurazione

14 cm – 5½″	14 cm – 5½″	
03.50.14	**03.51.14**	standard
203.50.14	**203.51.14**	supercut
213.50.14	**213.51.14**	blackline
03.50.64	**03.51.64**	"HM"
203.50.64	**202.51.64**	supercut plus
223.50.64	**222.51.64**	magiccut

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

Artikelnummer
Item number
Número de artículo
Numéro d'article
Codice

Mayo



A

Standardinstrumente
Basic Instruments
Instrumentos básicos
Instruments de base
Strumenti di base

1:1

Fig. 10 **01.22.10** P 100

Fig. 11 **01.22.11** P 100

Fig. 12 **01.22.12** P 100

Fig. 15 **01.22.15** P 100

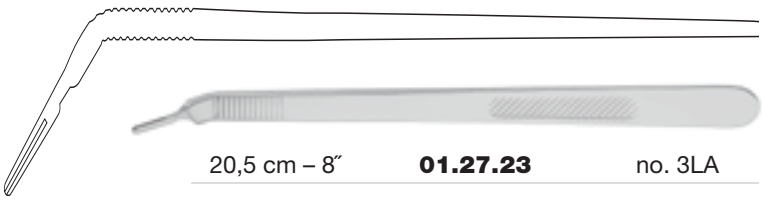
Fig. 12d **01.22.32** P 100

Fig. 15c **01.22.35** P 100

STERILE

12,5 cm – 5″ **01.27.03** no. 3

21,0 cm – 8¼″ **01.27.13** no. 3L



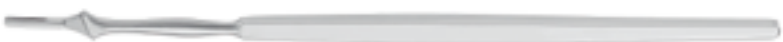
20,5 cm – 8″ **01.27.23** no. 3LA

12,0 cm – 4¾″ **01.27.17** no. 7K

16,5 cm – 6½″ **01.27.07** no. 7

15,5 cm – 6⅛″ **01.27.40** --

15,5 cm – 6⅛″ **01.30.38** **Blake**



22,5 cm - 9″ **01.27.45**

Einmalprodukt
Single use product
Producto para un solo uso
Produit à usage unique
Prodotto monouso

1:1

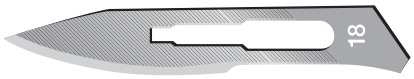


Fig. 18 **01.22.18** P100

Fig. 19 **01.22.19** P100

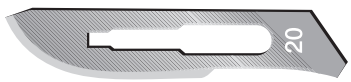


Fig. 20 **01.22.20** P100

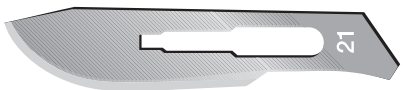


Fig. 21 **01.22.21** P100

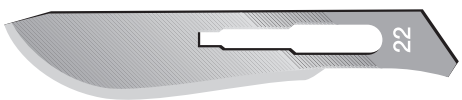


Fig. 22 **01.22.22** P100

Fig. 23 **01.22.23** P100

Fig. 24 **01.22.24** P100

Fig. 25 **01.22.25** P100

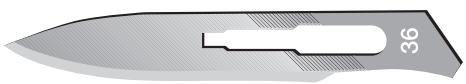
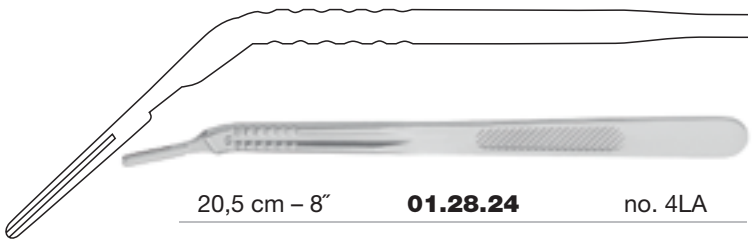


Fig. 36 **01.22.36** P100

13,5 cm – 5⅜″ **01.28.04** no. 4

21,0 cm – 8¼″ **01.28.14** no. 4L



20,5 cm – 8″ **01.28.24** no. 4LA

22,5 cm - 9″ **01.28.45**

Verpackung für Skalpellklingen
Packing for scalpel blades
Paquete para hojas de bisturí
Emballage pour lames de bistouris
Confezione per bisturi

STERILE

Px Verpackungseinheit “X” Stück
Packing unit “X” pieces
Paquete de “X” unidades
Emballage de “X” pièces
Confezione da “X” pezzi

1:1

Fig. 62 **01.30.62** P 12

Fig. 64 **01.30.64** P 12

Fig. 65 **01.30.65** P 12

Fig. 67 **01.30.67** P 12

STERILE

13,0 cm – 5⅛″	**01.30.32**	
15,5 cm – 6⅛″	**01.30.36**	

21 cm - 8¼″	**01.27.21**	**Landolt**

25 cm - 10″	**01.27.25**	**Landolt**

450.00.03

Unser komplettes Skalpell-Programm finden Sie in unserem Hauptkatalog.
For our complete scalpels line, see our main catalogue.
El programa completo de bisturíes se encuentra en nuestro catálogo general.
Vous trouverez notre programme complet de bistouris dans notre catalogue général.
Troverete il nostro programma completo di bisturi nel nostro catalogo generale.

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Prodotto monouso

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Packing unit “X” pieces
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Emballage de “X” pièces
Confezione da “X” pezzi

SCISSORS

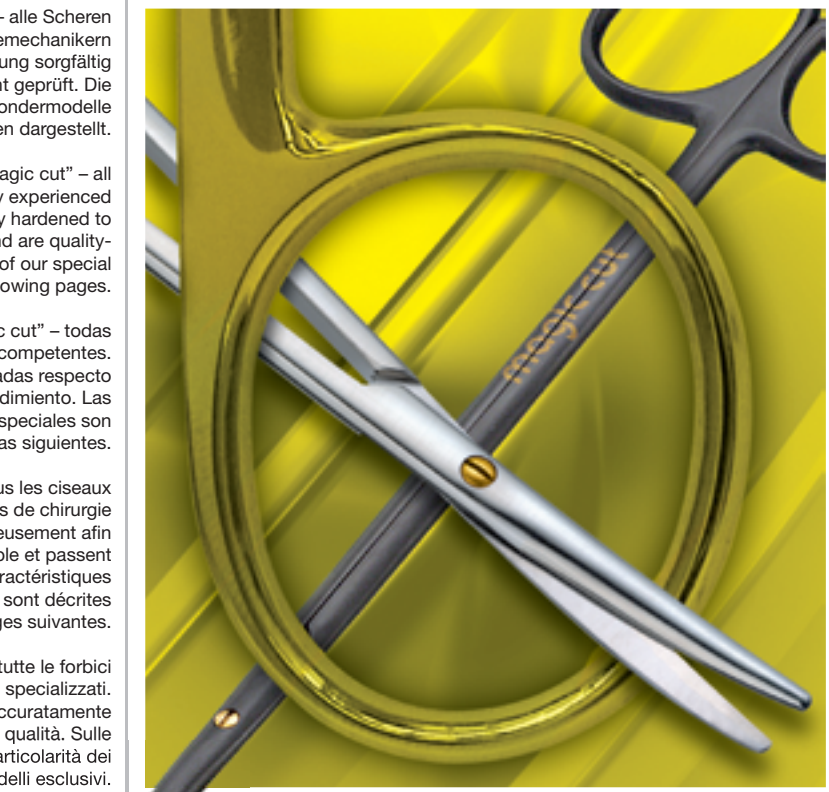
Von “standard” bis “magic cut” – alle Scheren werden von fachkundigen Chirurgiemechanikern hergestellt, für dauerhafte Leistung sorgfältig gehärtet und qualitätsgerecht geprüft. Die besonderen Eigenschaften unserer Sondermodelle sind auf den Folgeseiten dargestellt.

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

Desde tijeras “standard” hasta “magic cut” – todas las tijeras son fabricadas por expertos competentes. Las tijeras son templadas e investigadas respecto a la calidad para un durable rendimiento. Las caracteristicas de los modelos especiales son mencionadas en las paginas siguientes.

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

Dalla “standard” alla “magic cut” – tutte le forbici sono prodotte da meccanici chirurgici specializzati. Per una lunga durata sono temprate accuratamente e devono passare il controllo di qualità. Sulle prossime pagine sono illustrate le particolarità dei nostri modelli esclusivi.



451.03.23

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 de ciseaux dans notre prospectus spécial.
Troverete il nostro programma completo di forbici nel nostro prospetto speciale.

supercut

Goldene Schraube
Golden screw
Tornillo dorado
Vis dorée
Vite dorata

black line

Goldene Schraube und schwarze Ringgriffe
Golden screw and black rings
Tornillo dorado y anillos negros
Vis dorée et anneaux noirs
Vite dorata e anelli neri

"HM"

Goldene Ringgriffe
Golden rings
Anillos dorados
Anneaux dorés
Anelli dorati

supercut plus

Goldene Schraube und goldene Ringgriffe
Golden screw and golden rings
Tornillo dorado y anillos dorados
Vis dorée et anneaux dorés
Vite dorata e anelli dorati

magic cut

Keramikbeschichtung und goldene Schraube
Ceramic coating and golden screw
Recubrimiento de cerámica y tornillo dorado
Couche céramique et vis dorée
Rivestimento di ceramica e vite dorata

medicon Instrumente
the art of surgery

supercut
black line
"HM"
supercut plus
magic cut

Messerschliff und Mikrozahnung: Feiner, minimal traumatisierender Schnitt
Knife edges and micro serration: Fine, minimally traumatizing cut
Hoja de bisturí y dentadura micro: Corte fino, mínimo traumatizante
Aiguisement tranchant et dents micro: Coupe fine, peu traumatisante
Affilatura a scalpello e dentellatura micro: Taglio fine, minimo traumatizzante

Zusätzlicher Anschliff einer Blattrückseite: Bessere Sicht · Präzise Präparation
Reduction of the transversal cut: Better visibility · Precise dissection
Reducción del corte transversal: Vista mejorada · Disección precisa
Coupe transversale réduite: Vue améliorée · Dissection précise
Riduzione del taglio trasversale: Vista migliorata · Dissezione precisa

Eingeschweißte Hartmetallschneiden: Nahtlose, homogene und korrosionsfreie Verbindung von Hartmetall und Scherenstahl

Welded tungsten carbide cutting edges: Seamless, homogenous and corrosion-free junction of tungsten carbide and scissors steel

Hojas soldadas de carburo de tungsteno: Unión sin costuras, homogénea y resistente a la corrosión del carburo de tungsten con el acero

Lames soudées d'un alliage de carbure de tungstène: Jointure sans trace, homogène et résistante à la corrosión du carbure de tungstène avec l'acier des ciseaux

Lame saldate al carburo di tungsteno: Congiunzione senza cordolo, omogenea e resistente alla corrosione del carburo di tungsteno con l'acciaio delle forbici

Keramikbeschichtung: Lange Standzeit · Hohe Oberflächenhärte · Blendfreie Oberfläche · Hervorragende Gleitfähigkeit

Ceramic coating: Long lasting cutting ability · High surface hardness · Non-dazzling surface · Excellent sliding capacity

Recubrimiento de cerámica: Máxima duración del corte · Alta dureza de la superficie · Superficie antideslumbrante · Deslizamiento destacado

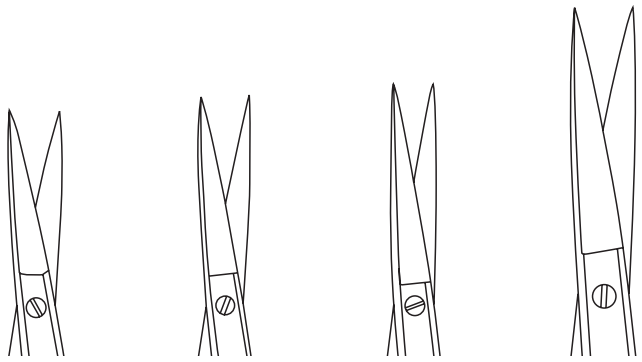
Couche céramique: Longue durée de vie · Grande dureté de la surface · Surface non-éblouissante · Glissement excellent

Rivestimento di ceramica: Massima durata del taglio · Alta durezza della superficie · Superficie antiriflesso · Eccellente scorrimento

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

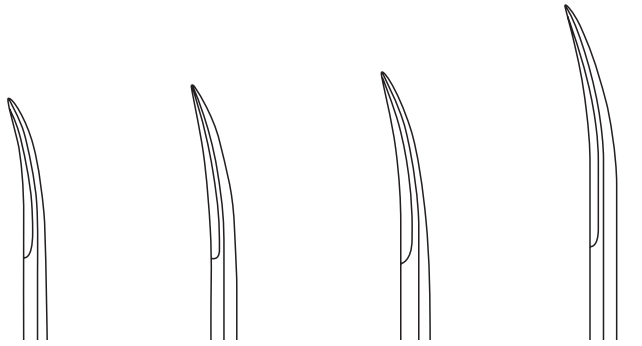
11 cm - 4⅜″	11 cm - 4⅜″	
02.06.10	**02.07.10**	standard
202.06.10	**202.07.10**	supercut
212.06.10	**212.07.10**	black line

Iris



9,0 cm - 3½″	10,5 cm - 4⅛″	11,5 cm - 4½″	12,5 cm - 5″	
02.20.09	**02.20.10**	**02.20.11**	**02.20.12**	standard
	202.20.10	**202.20.11**		supercut
	212.20.10	**212.20.11**		black line
		02.20.61		"HM"
		202.20.61		supercut plus
		222.20.61		magic cut

Iris



9,0 cm - 3½″	10,5 cm - 4⅛″	11,5 cm - 4½″	12,5 cm - 5″	
02.21.09	**02.21.10**	**02.21.11**	**02.21.12**	standard
	202.21.10	**202.21.11**	**202.21.12**	supercut
	212.21.10	**212.21.11**		black line
		02.21.61		"HM"
		202.21.61		supercut plus
		222.21.61		magic cut

Micro-Iris

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

Iris-Select

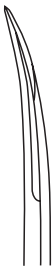
10,5 cm - 4⅛″	10,5 cm - 4⅛″	
02.20.40	**02.21.40**	standard

Iris

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

Stevens

11,5 cm - 4½″



11,5 cm - 4½″

02.50.02	**02.50.03**	standard

Stevens

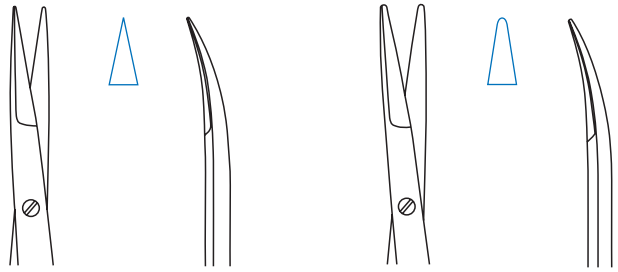
11,5 cm - 4½″

11,5 cm - 4½″

02.50.12	**02.50.13**	standard
202.50.12	**202.50.13**	supercut
212.50.12	**212.50.13**	black line
222.50.62	**222.50.63**	magic cut

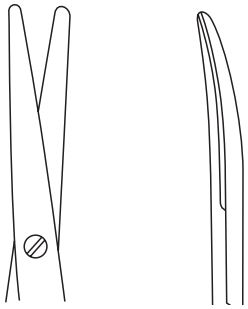
Feine Präparierscheren
Delicate Dissecting Scissors
Tijeras finas para disección
Ciseaux délicats à dissection
Forbici delicate per dissezione

Knapp



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

Lexer-Baby



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

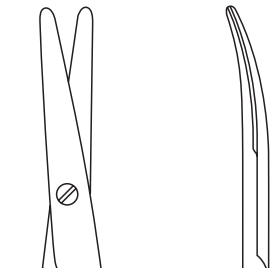
Shea

12 cm - 4¾″	
04.13.12	standard
204.13.12	supercut
214.13.12	black line

Medicon Instrumente
the art of surgery

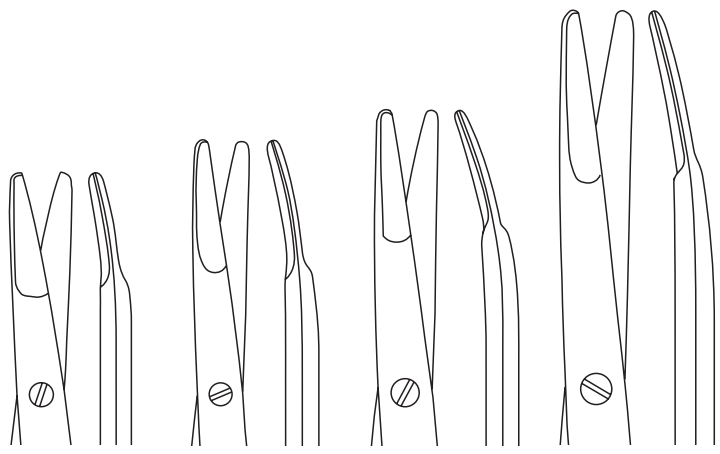
spitz
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa



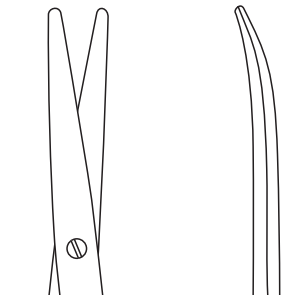
12 cm – 4¾″	12 cm – 4¾″	
02.40.12	**02.41.12**	standard
202.40.12	**202.41.12**	supercut
212.40.12	**212.41.12**	black line
02.40.62	**02.41.62**	"HM"
202.40.62	**202.41.62**	supercut plus
222.40.62	**222.41.62**	magic cut

Ragnell (Kilner)



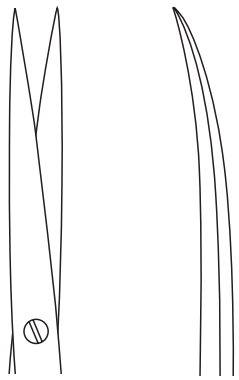
13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″	20 cm - 8″	
04.13.13	**04.13.15**	**04.13.18**	**04.13.20**	standard
204.13.13	**204.13.15**	**204.13.18**		supercut
214.13.13	**214.13.15**	**214.13.18**		black line
04.13.63	**04.13.65**	**04.13.68**		"HM"
204.13.63	**204.13.65**	**204.13.68**		supercut plus

Baby-Metzenbaum



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

“slim”

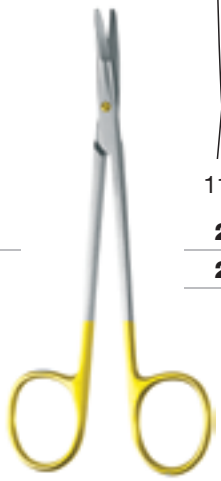


14 cm - 5½″	14 cm - 5½″	
04.24.14	**04.25.14**	standard
204.24.14	**204.25.14**	supercut
04.24.64	**04.25.64**	"HM"
204.24.64	**204.25.64**	supercut plus

14 cm - 5½″ | 14 cm – 5½″

04.50.14 | **04.51.14** standard

Sanvenero



11,5 cm - 4½″

204.13.62 supercut plus

224.13.62 magic cut

Greenberg PAR

Baby-Metzenbaum

11,5 cm - 4½″ | 11,5 cm - 4½″

214.36.11 | **214.37.11** black line

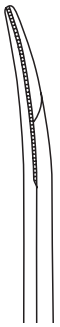
Joseph

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

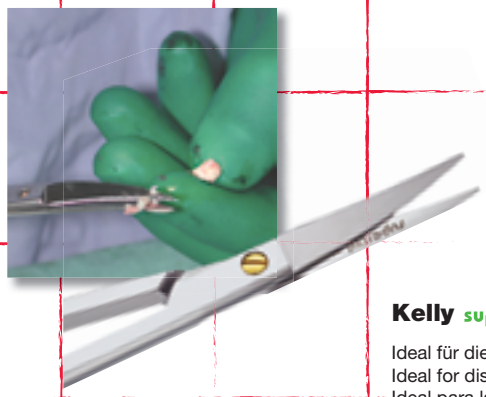
BIG RING
X-Large Ring Handle

"BIG RING"

Stevens



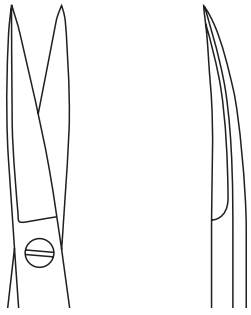
12,5 cm - 5″	12,5 cm - 5″	
214.68.13	**214.69.13**	black line



Kelly supercut plus

Ideal für die Präparation der Nasenflügelknorpel 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

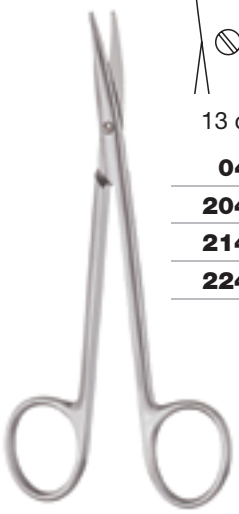


16 cm - 6¼″	16 cm - 6¼″	
04.54.16	**04.55.16**	standard
204.54.16	**204.55.16**	supercut
214.54.16	**214.55.16**	black line
04.54.66	**04.55.66**	"HM"
204.54.66	**204.55.66**	supercut plus
224.54.66	**224.55.66**	magic cut

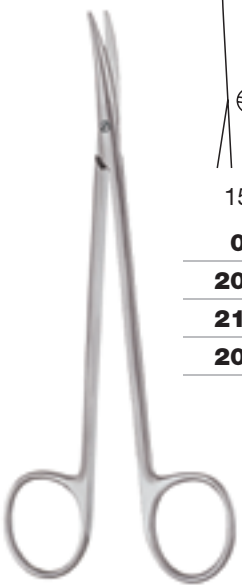
Nervpräparierscheren
Nerve dissecting scissors
Tijeras para disección de nervios
Ciseaux à dissection pour nerfs
Forbici per dissezione dei nervi

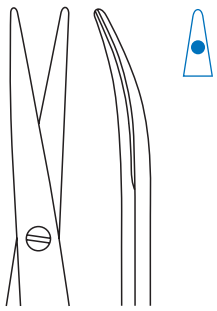
13 cm - 5⅛″

04.67.13	standard
204.67.13	supercut
214.67.13	black line
224.67.63	magic cut



Stevens





15 cm - 6″

04.67.15	standard
204.67.15	supercut
214.67.15	black line
204.67.65	supercut plus

Medicon Instrumente
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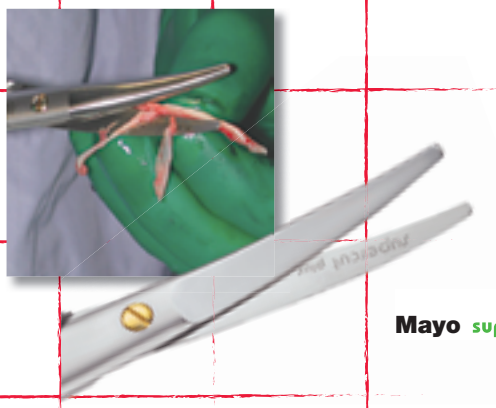
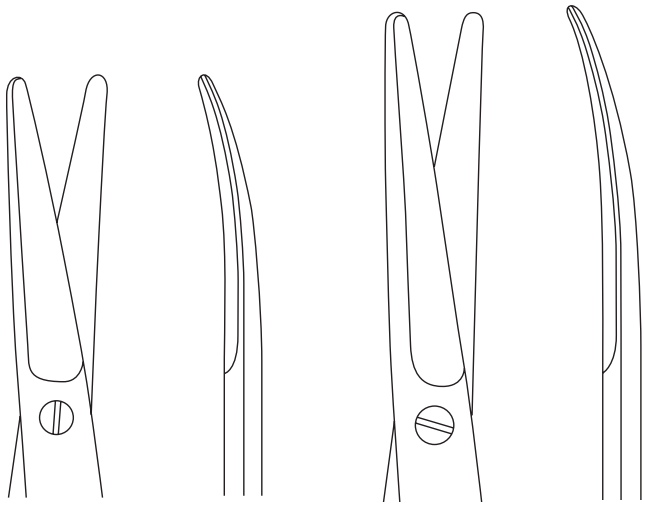
halbstumpf
semi blunt
semi roma
semi mousse
semi smussa



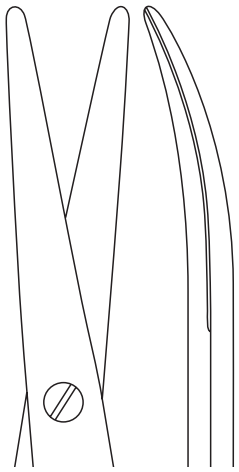
Mayo supercut plus

Mayo



14 cm - 5½″	14 cm - 5½″	17 cm - 6¾″	17 cm - 6¾″	
03.50.14	**03.51.14**	**03.50.17**	**03.51.17**	standard
203.50.14	**203.51.14**	**203.50.17**	**203.51.17**	supercut
213.50.14	**213.51.14**	**213.50.17**	**213.51.17**	black line
03.50.64	**03.51.64**	**03.50.67**	**03.51.67**	"HM"
203.50.64	**203.51.64**	**203.50.67**	**203.51.67**	supercut plus
223.50 .64	**223.51.64**	**223.50.67**	**223.51.67**	magic cut

Mayo-Lexer



16,5 cm - 6½″

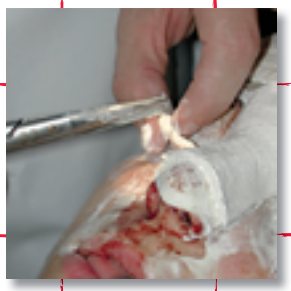
203.57.47	supercut
213.57.47	black line
03.57.97	"HM"
203.57.97	supercut plus
223.57.97	magic cut

Lexer

16 cm - 6¼″

16 cm - 6¼″

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

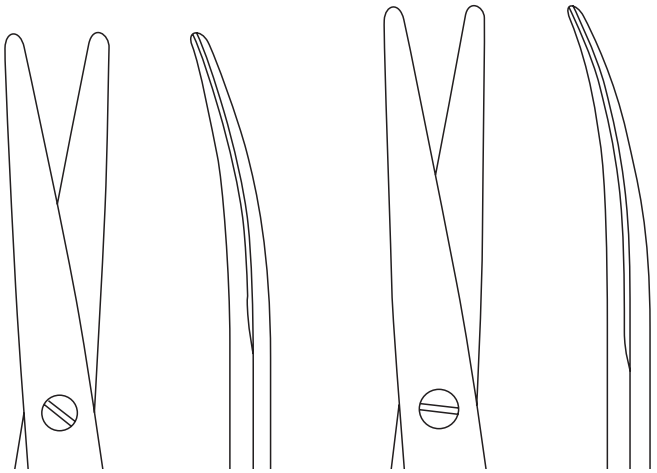


03.57.67

Mayo-Stille "HM"

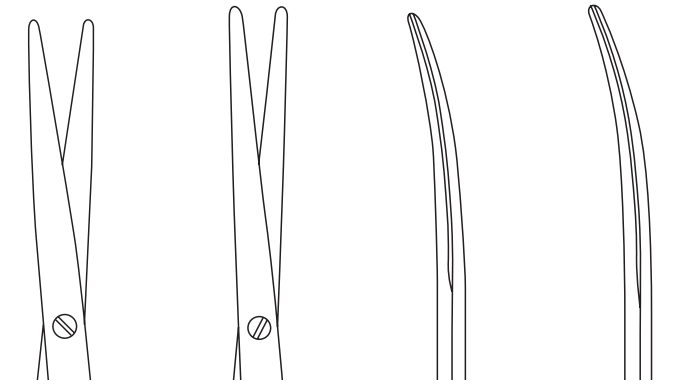
Für präzises, druckloses Gipsschneiden direkt auf der Nase ohne Verschiebung des mobilisierten Nasengerüstes.
For precise, pressure-free plaster cutting directly on the nose without displacement of the mobilized nose framework.
Para el corte preciso y sin presión del yeso directamente sobre la nariz 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 naso senza esercitare pressione e senza spostare la struttura nasale mobile.

Mayo-Stille



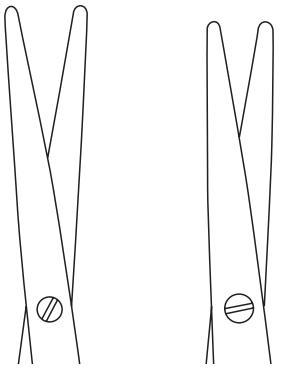
15 cm - 6″	15 cm - 6″	17 cm - 6¾″	17 cm - 6¾″	
03.56.15	**03.57.15**	**03.56.17**	**03.57.17**	standard
203.56.15	**203.57.15**	**203.56.17**	**203.57.17**	supercut
213.56.15	**213.57.15**	**213.56.17**	**213.57.17**	black line
03.56.65	**03.57.65**	**03.56.67**	**03.57.67**	"HM"
203.56.65	**203.57.65**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

Metzenbaum-slim



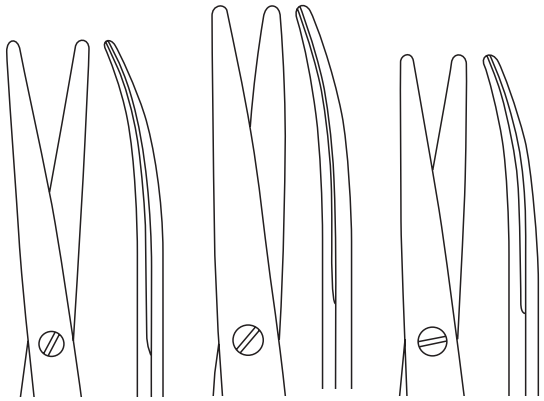
14 cm - 5½″	18 cm - 7⅛″	14 cm - 5½″	18 cm - 7⅛″	
04.34.14	**04.34.18**	**04.35.14**	**04.35.18**	standard
204.34.14	**204.34.18**	**204.35.14**	**204.35.18**	supercut
214.34.14	**214.34.18**	**214.35.14**	**214.35.18**	black line
04.34.64	**04.34.68**	**04.35.64**	**04.35.68**	"HM"
204.34.64	**204.34.68**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

Metzenbaum

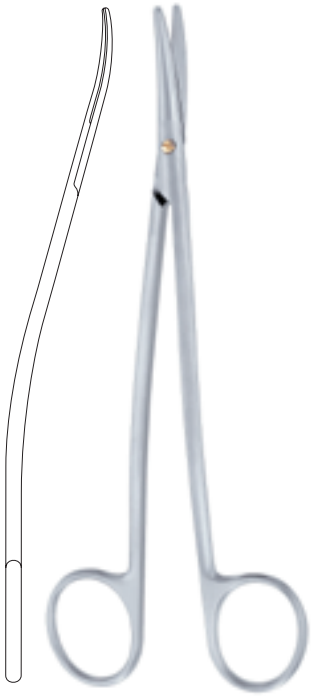


14 cm - 5½″	18 cm - 7⅛″	
04.32.14	**04.32.18**	standard
204.32.14	**204.32.18**	supercut
214.32.14	**214.32.18**	black line
04.32.64	**04.32.68**	"HM"
204.32.64	**204.32.68**	supercut plus
224.32.64	**224.32.68**	magic cut

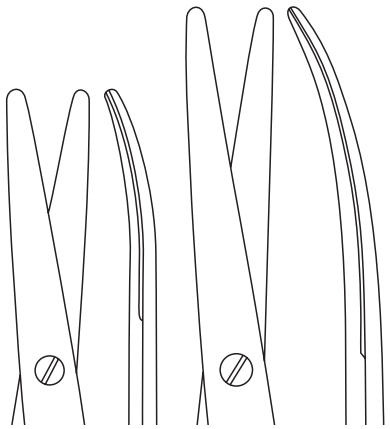
Metzenbaum



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

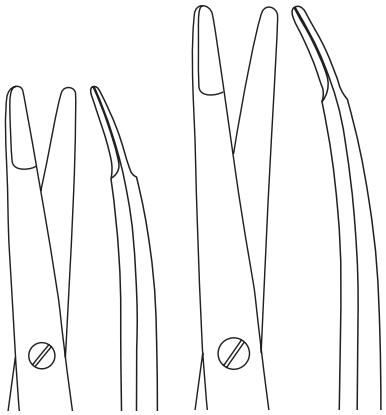


Metzenbaum



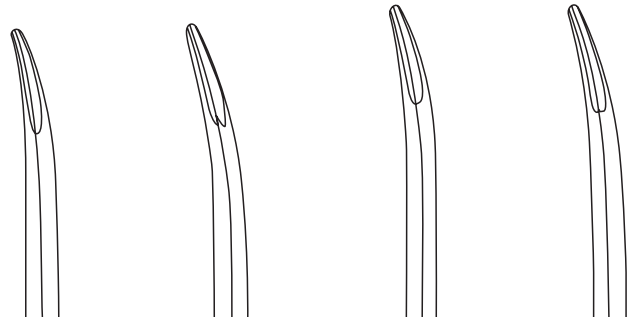
18 cm - 7⅛″	20 cm - 8″	
204.36.18	**204.36.20**	supercut
214.36.18	**214.36.20**	black line
04.36.68	**04.36.70**	"HM"
204.36.68	**204.36.70**	supercut plus

Metzenbaum-Freeman

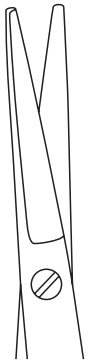


18 cm - 7⅛″	20 cm - 8″	
204.37.18	**204.37.20**	supercut
214.37.18	**214.37.20**	black line

Reynolds (Jameson)



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



18 cm - 7⅛″

04.60.18 standard

House-Toennis

18 cm - 7⅛″

04.61.18 standard

Toennis

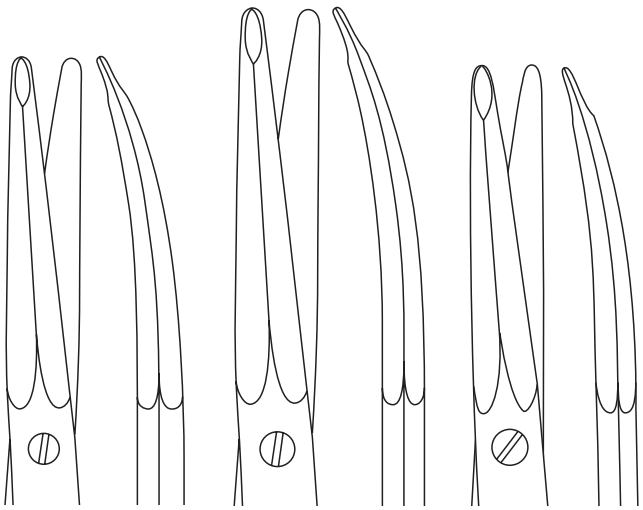
18 cm - 7⅛″

04.63.18	standard
204.63.18	supercut
214.63.18	black line
04.63.68	"HM"
204.63.68	supercut plus
224.63.68	magic cut

Toennis-Adson

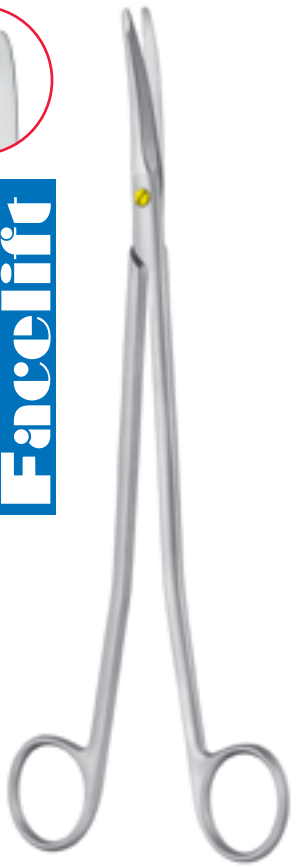
Facelift

Gorney

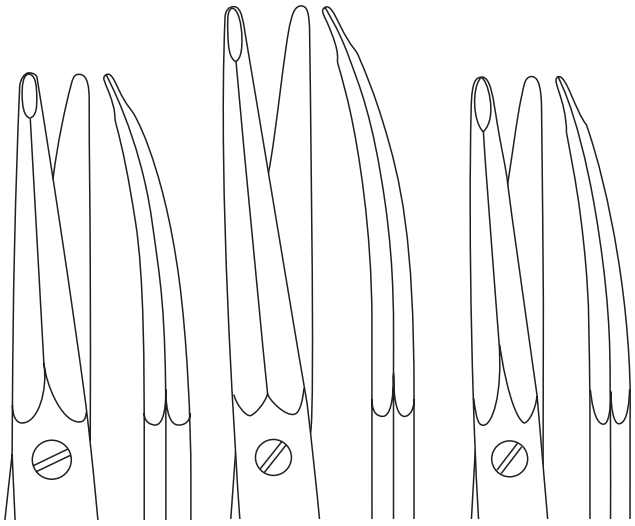


17 cm - 6¾″	19 cm - 7½″	23 cm - 9″	
204.73.17	**204.73.19**	**204.73.23**	supercut
214.73.17	**214.73.19**	**214.73.23**	black line
04.73.67	**04.73.69**	**04.73.73**	"HM"
224.73.67	**224.73.69**	**224.73.73**	magic cut

Facelift

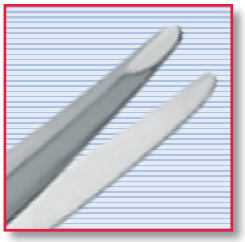


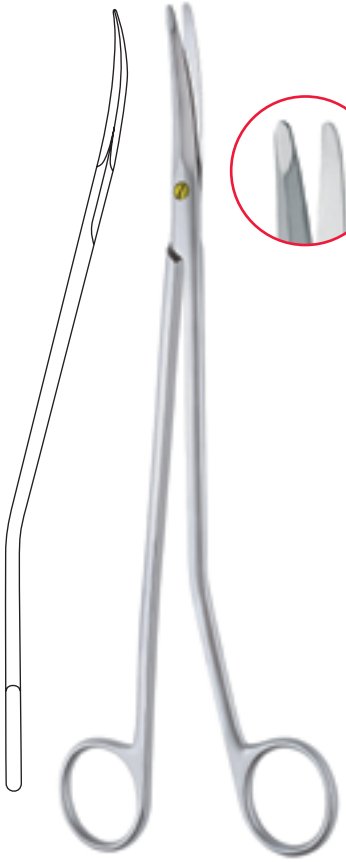
Gorney-Freeman

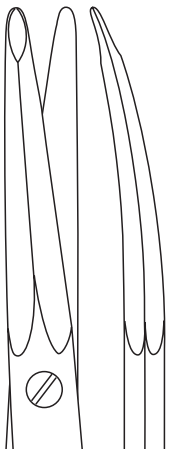


17 cm - 6¾″	19 cm - 7½″	23 cm - 9″	
204.75.17	**204.75.19**	**204.75.23**	supercut
214.75.17	**214.75.19**	**214.75.23**	black line
04.75.67	**04.75.69**	**04.75.73**	"HM"
224.75.67	**224.75.69**	**224.75.73**	magic cut

flache Spitzen
flat tips
puntas planas
pointes plates
punte piatte



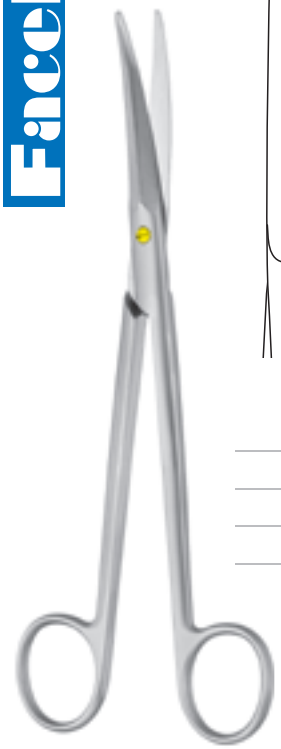




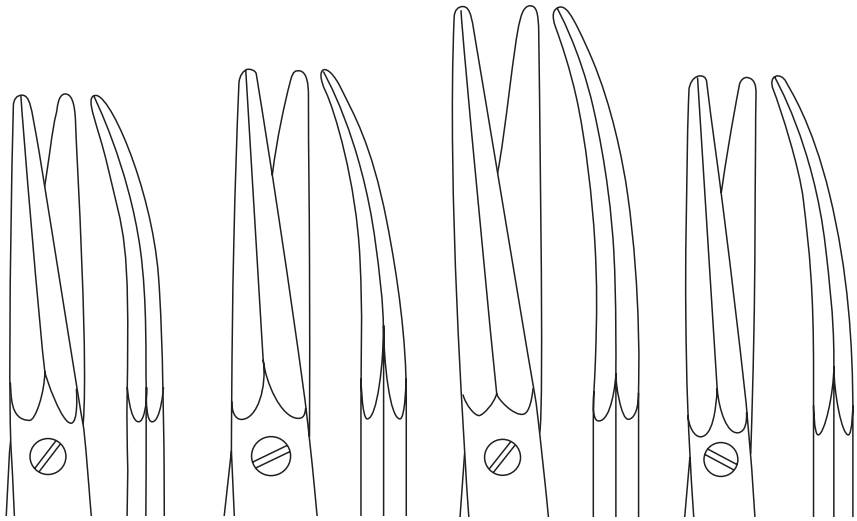
Gorney-Freeman

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

Facelift



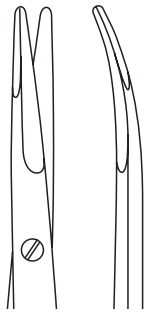
Kaye



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

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

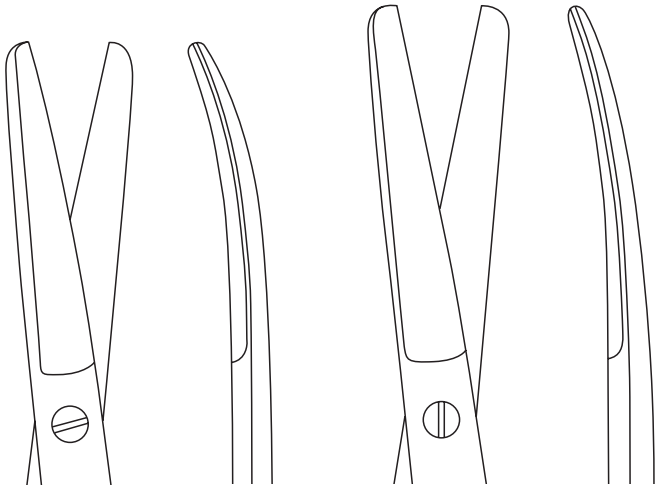
Kaye



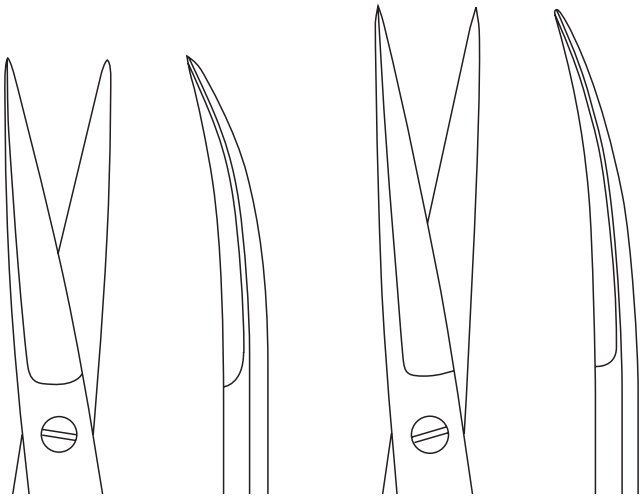
11,5 - 4½″

204.77.12	supercut
214.77.12	black line

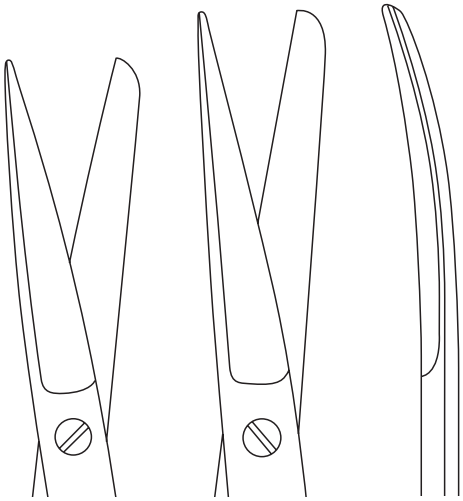
Medicon Instrumente
the art of surgery



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

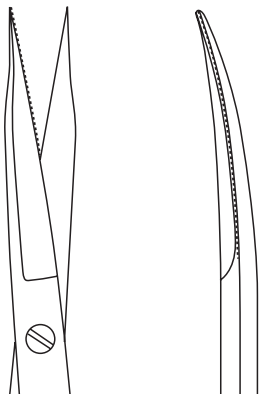


13 cm – 5⅛″	13 cm – 5⅛″	14,5 cm – 5¾″	14,5 cm – 5¾″	
03.04.13	**03.05.13**	**03.04.14**	**03.05.14**	standard
203.04.13	**203.05.13**	**203.04.14**	**203.05.14**	supercut
		213.04.14	**213.05.14**	black line
		03.04.64	**03.05.64**	"HM"



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

Fox



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

Eine Schneide gezahnt
One blade serrated
Una hoja dentada
Une lame dentelée
Una lama dentellata

micro 2000

micro 2000

gezahnte Schneiden
serrated cutting edges
hojas dentadas
lames dentelées
lame dentellate

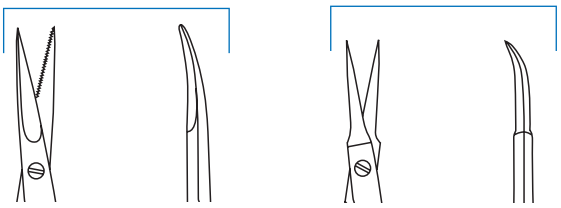
Vannas Schneiden
Vannas-type cutting edges
hojas según Vannas
lames selon Vannas
lame secondo Vannas

12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″			
05.12.20	**05.12.21**	**05.12.22**	**05.12.23**	**05.12.30**	**05.12.31**	standard
205.12.20	**205.12.21**					supercut

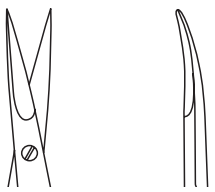
micro 2000

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″	
05.15.22	**05.15.23**	**05.15.30**	**05.15.31**	standard

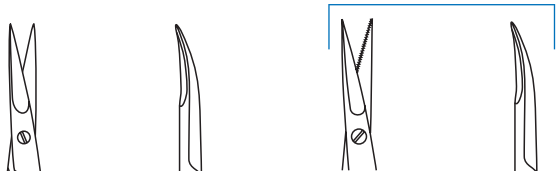


15 cm - 6″	15 cm - 6″	
05.15.20	**05.15.21**	standard
205.15.20	**205.15.21**	supercut

micro 2000

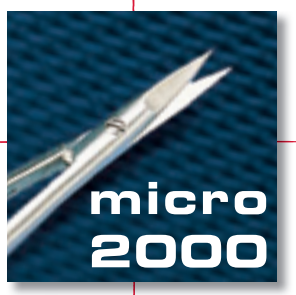
micro 2000

gezahnte Schneiden
serrated cutting edges
hojas dentadas
lames dentelées
lame dentellate



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

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 blu



- 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

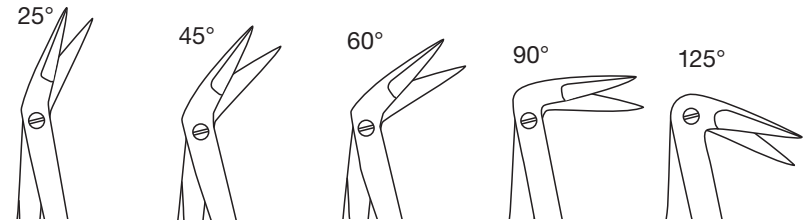
micro 2000

15 cm - 6″	15 cm - 6″	
05.15.81	**05.15.83**	standard
18 cm - 7⅛″	18 cm - 7⅛″	
05.18.81	**05.18.83**	standard

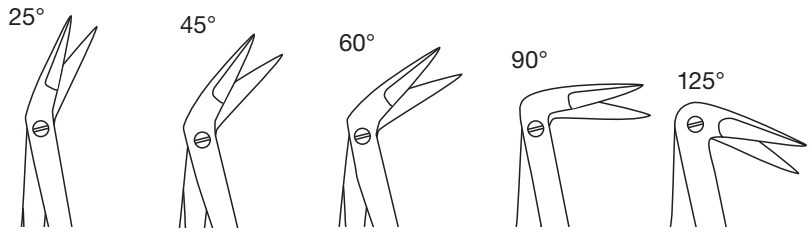
Vannas-Schneiden
Vannas-type cutting edges
hojas según Vannas
lames selon Vannas
lame secondo Vannas

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

8 mm
Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo



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



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

Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

Titanium

Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

15 cm - 6″ **05.16.74**

15 cm - 6″ **05.16.75**

18 cm - 7⅛″ **05.18.74**

18 cm - 7⅛″ **05.18.75**

21 cm - 8¼″ **05.21.74**

21 cm - 8¼″ **05.21.75**

15 cm - 6″ **05.16.68**

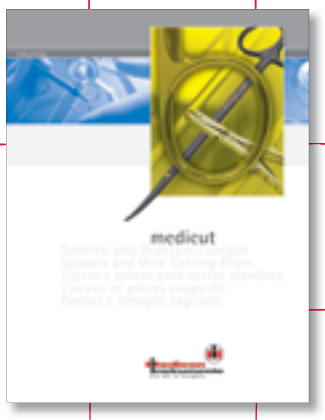
15 cm - 6″ **05.16.69**

18 cm - 7⅛″ **05.18.68**

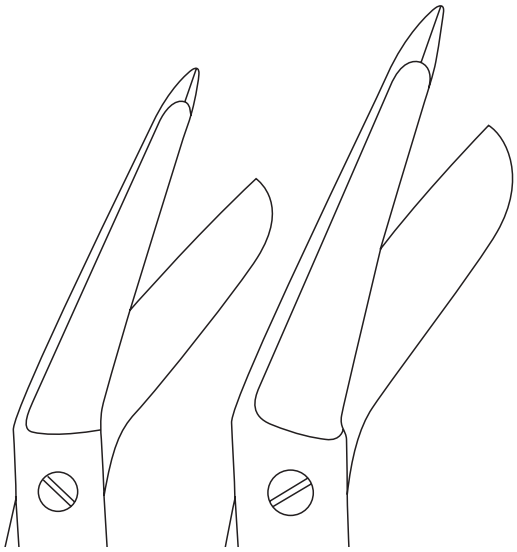
18 cm - 7⅛″ **05.18.69**

21 cm - 8¼″ **05.21.68**

21 cm - 8¼″ **05.21.69**



Lister



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

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the art of surgery

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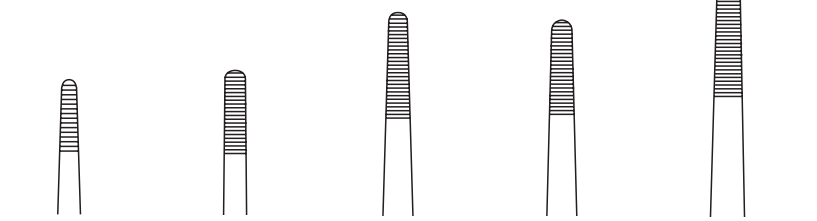
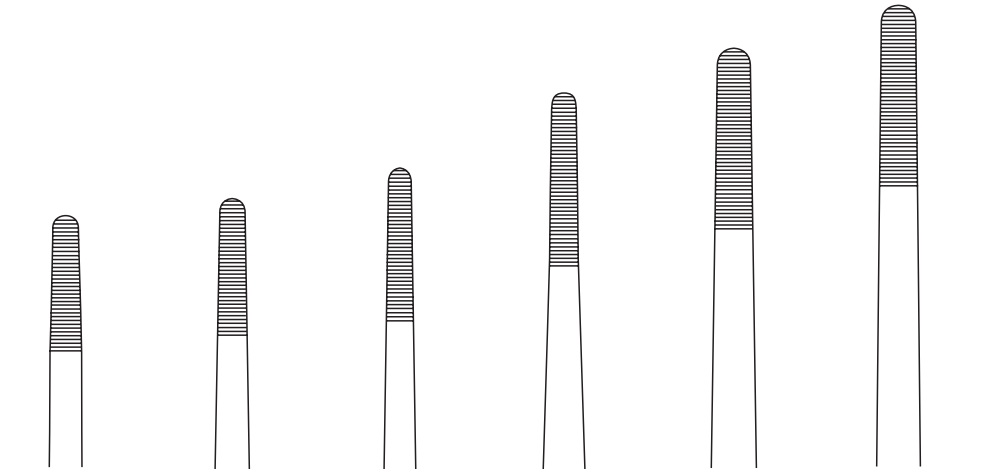
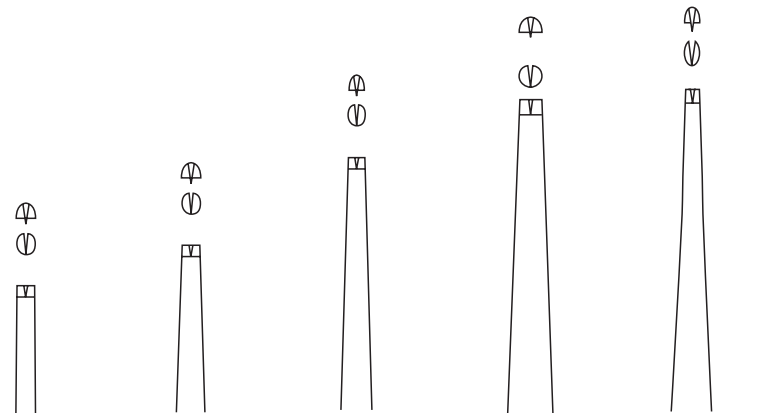


9 cm - 3½″	10,5 cm - 4⅛″	11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″
06.00.09	**06.00.10**	**06.00.11**	**06.00.13**	**06.00.14**

Standard
standard
estándar
standard
standard

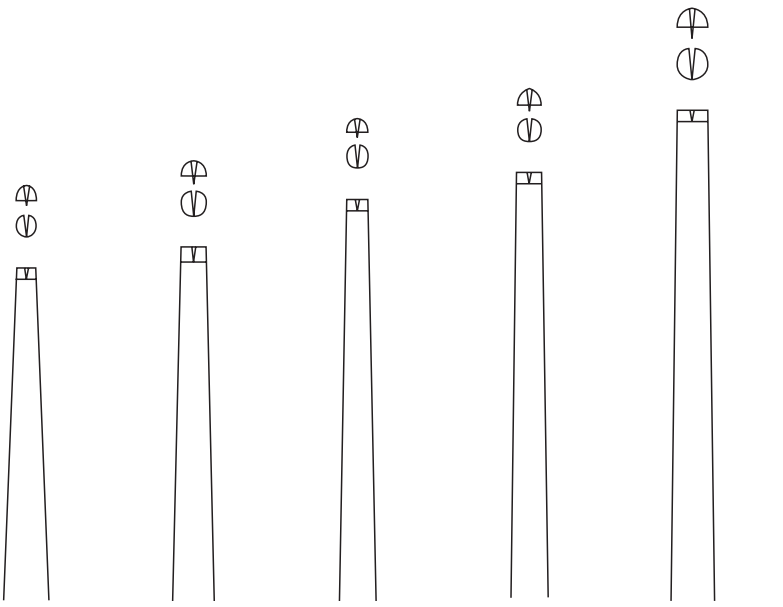


15 cm - 6″	16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″	25 cm - 10″	30 cm - 11¾″
06.00.15	**06.00.16**	**06.00.18**	**06.00.20**	**06.00.25**	**06.00.30**



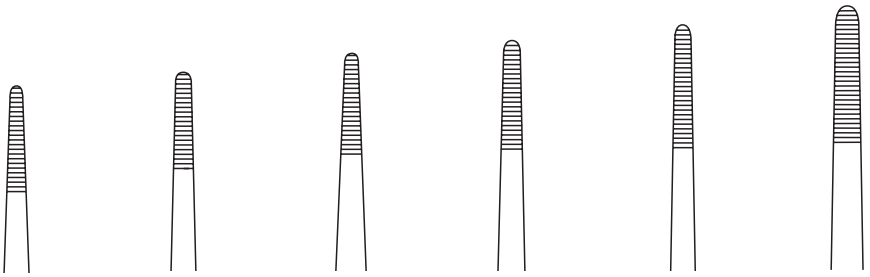
10,5 cm - 4⅛″	11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	15 cm - 6″
06.05.10	**06.05.11**	**06.05.13**	**06.05.14**	**06.05.15**

Standard
standard
estándar
standard
standard

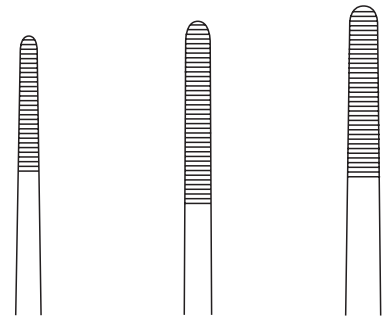


16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″	25 cm - 10″	30 cm - 11¾″
06.05.16	**06.05.18**	**06.05.20**	**06.05.25**	**06.05.30**

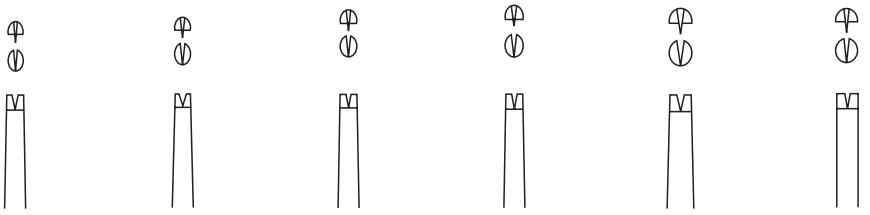
mittelbreit
medium width
de anchura media
demi-large
di media larghezza



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**

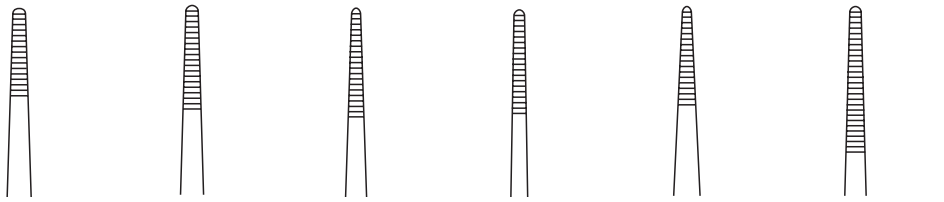


20 cm - 8″	25 cm - 10″	30 cm - 11¾″
06.01.20	**06.01.25**	**06.01.30**

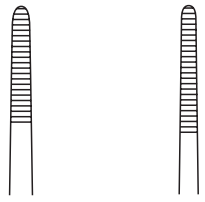


11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″
06.06.11	**06.06.13**	**06.06.14**	**06.06.16**	**06.06.18**	**06.06.20**

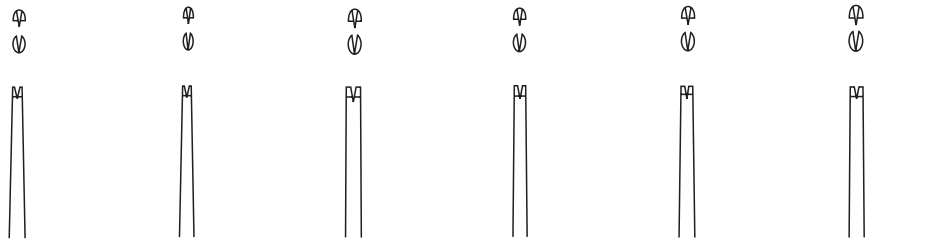
schlank
slim
delgada
élancée
stretta



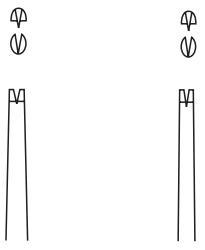
11,5 cm - 4½″	13 cm - 5⅛″	14,5 cm - 5¾″	15 cm - 6″	16 cm - 6¼″	18 cm - 7⅛″
06.02.11	**06.02.13**	**06.02.14**	**06.02.15**	**06.02.16**	**06.02.18**



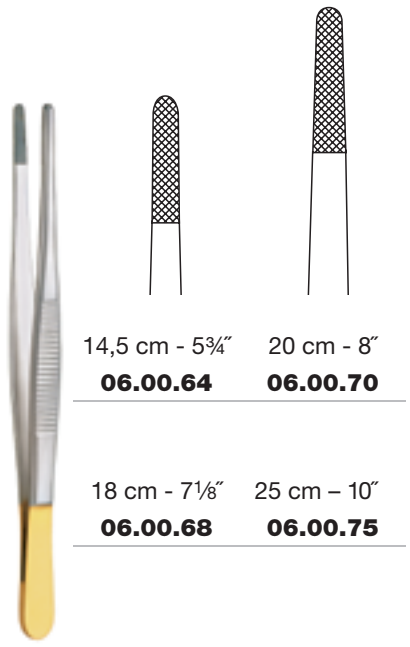
20 cm - 8″	25 cm - 10″
06.02.20	**06.02.25**



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**

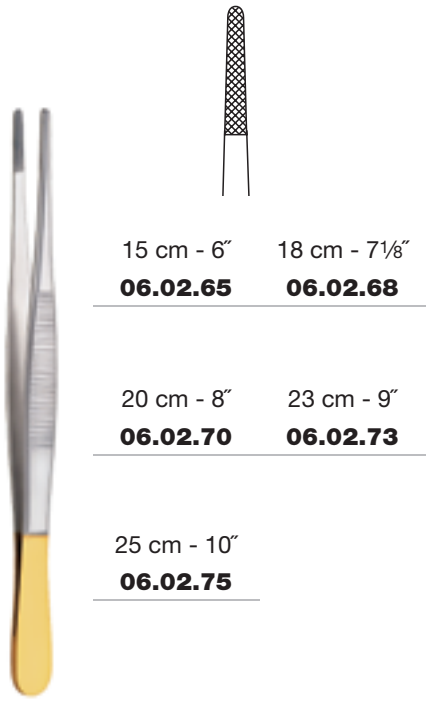


20 cm – 8″	25 cm – 10″
06.07.20	**06.07.25**



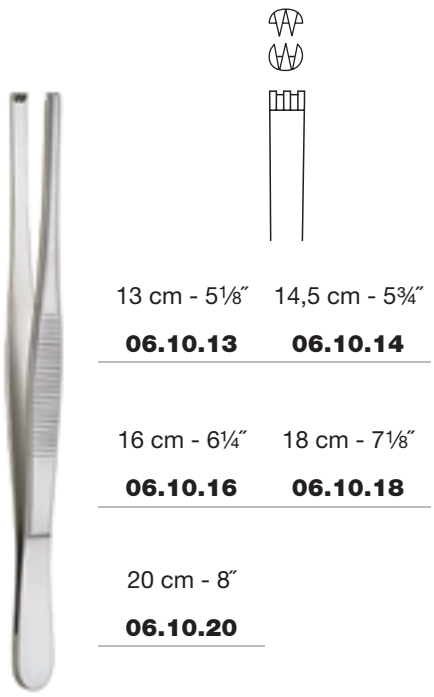
14,5 cm - 5¾″	20 cm - 8″
06.00.64	**06.00.70**
18 cm - 7⅛″	25 cm – 10″
06.00.68	**06.00.75**

“HM”

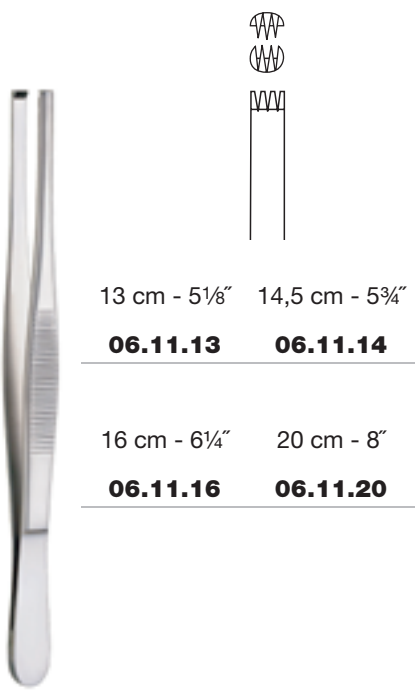


15 cm - 6″	18 cm - 7⅛″
06.02.65	**06.02.68**
20 cm - 8″	23 cm - 9″
06.02.70	**06.02.73**
25 cm - 10″	
06.02.75	

Potts-Smith “HM”



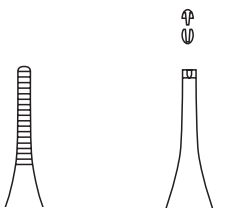
13 cm - 5⅛″	14,5 cm - 5¾″
06.10.13	**06.10.14**
16 cm - 6¼″	18 cm - 7⅛″
06.10.16	**06.10.18**
20 cm - 8″	
06.10.20	



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**

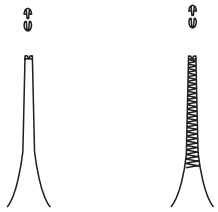
Medicon Instrumente
the art of surgery

“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

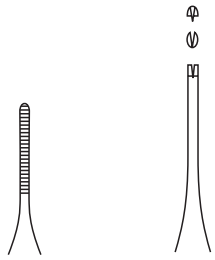


12 cm - 4¾″	12 cm - 4¾″
06.21.12	**06.21.13**

Adson

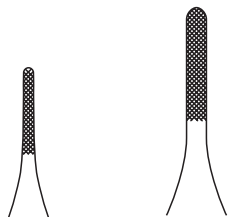
12 cm - 4¾″
06.21.62

Adson “HM”



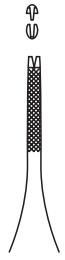
12 cm - 4¾″	15 cm - 6″
06.20.12	**06.21.15**

Adson



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

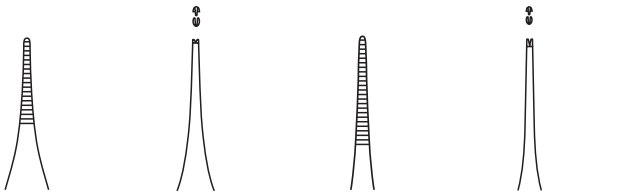
Adson “HM”



15 cm - 6″
06.21.65

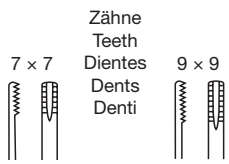
Adson “HM”

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



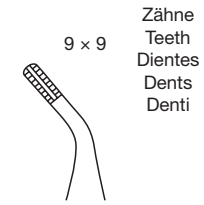
12 cm - 4¾″	12 cm - 4¾″	15 cm - 6″	15 cm - 6″
06.22.12	**06.23.12**	**06.22.15**	**06.23.15**

Micro-Adson



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

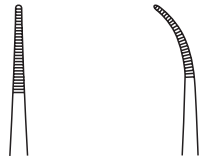
Adson-Brown



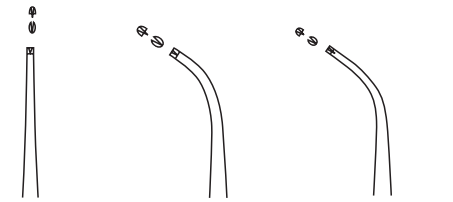
12 cm - 4¾″

06.25.72

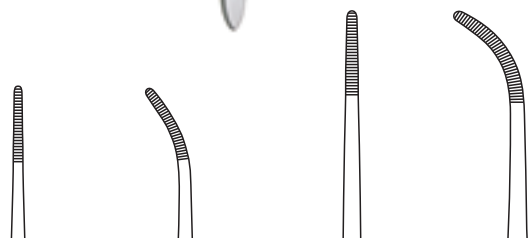
Adson-Brown



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

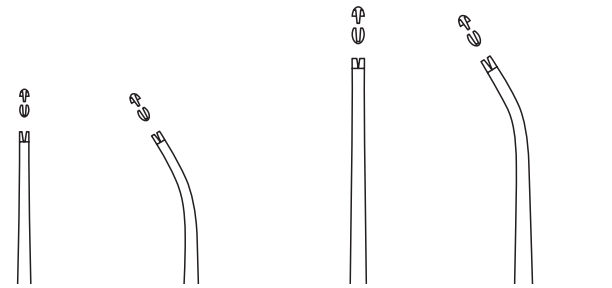


10 cm - 4″	10 cm - 4″	10 cm - 4″
06.31.10	**06.31.20**	**06.31.30**



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

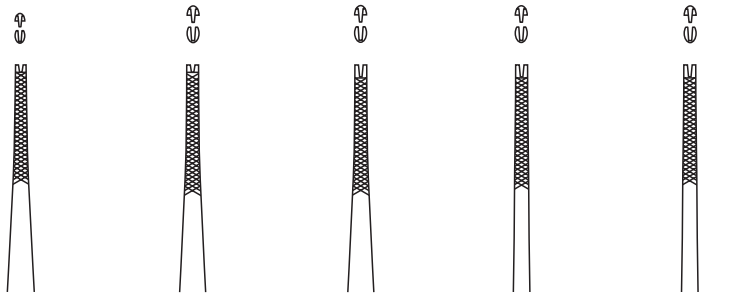
12,5 cm - 5″
06.31.32

Semken

"Select"

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**

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

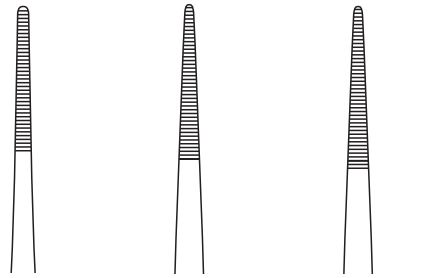
17 cm - 6¾″

06.44.17

20 cm - 8″

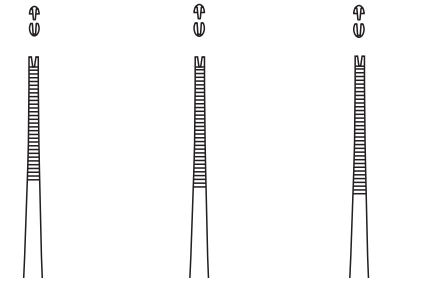
06.44.20

Schwedisches Modell
Swedish pattern
Modelo sueco
Modèle suédois
Modello svedese



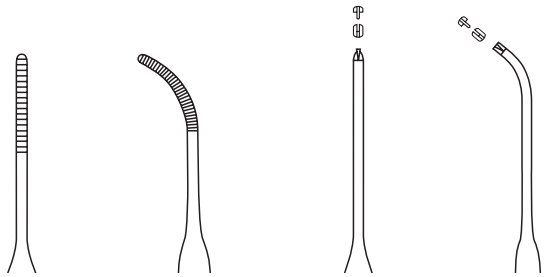
18 cm - 7⅛″	21 cm - 8¼″	25 cm - 10″
06.46.18	**06.46.20**	**06.46.25**

Potts-Smith



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

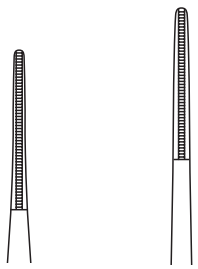
Potts-Smith



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

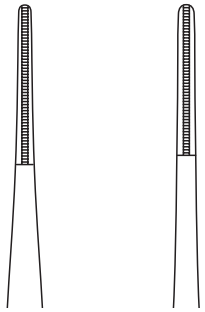
1,5 mm 1,5 mm



15 cm - 6″ 20 cm - 8″

06.50.15 **06.50.19**

2,0 mm 2,0 mm

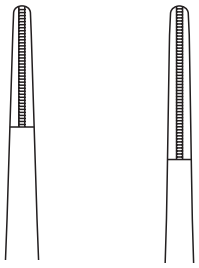


15 cm - 6″ 20 cm - 8″

06.52.15 **06.52.19**

DeBakey “AT”

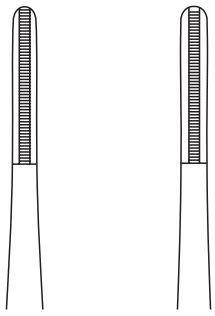
2,8 mm 2,8 mm



15 cm - 6″ 20 cm - 8″

06.54.15 **06.54.19**

3,5 mm 3,5 mm

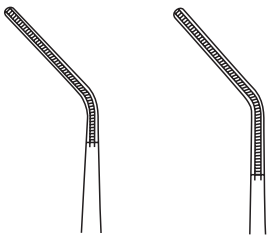


15 cm - 6″ 20 cm - 8″

06.55.15 **06.55.19**

DeBakey “AT”

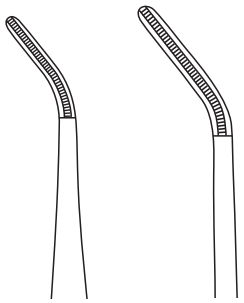
1,5 mm 1,5 mm



15 cm - 6″ 20 cm - 8″

06.57.15 **06.57.19**

2,0 mm 2,0 mm



15 cm - 6″ 20 cm - 8″

06.59.15 **06.59.19**

DeBakey “AT”

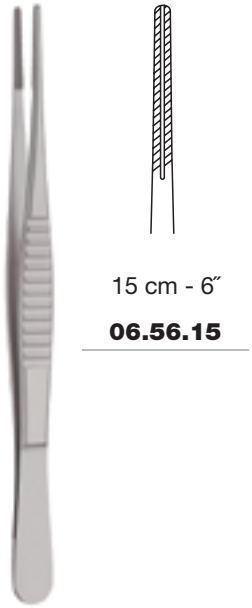
1,5 mm 1,5 mm 1,5 mm 1,5 mm

15 cm - 6″ 20 cm - 8″ 24 cm - 9½″ 30 cm - 11¾″

06.51.15 **06.51.20** **06.51.24** **06.51.30**

extrem leicht
extremely light
especialmente ligera
extrêmement légère
estremamente leggera

DeBakey “AT”



15 cm - 6″

06.56.15

“AT”

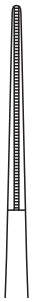
Titanium

1,0 mm

15 cm - 6″

06.70.15

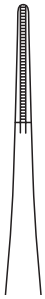
1,0 mm



20 cm - 8″

06.70.20

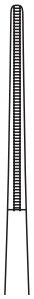
1,5 mm



15 cm - 6″

06.72.15

1,5 mm



20 cm - 8″

06.72.20

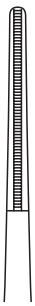
DeBakey “AT”

2,0 mm

15 cm - 6″

06.74.15

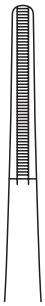
2,0 mm



20 cm - 8″

06.74.20

2,8 mm



15 cm - 6″

06.76.15

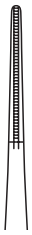
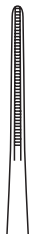
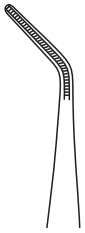
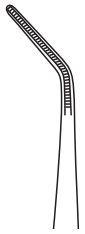
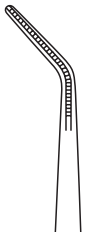
2,8 mm

20 cm - 8″

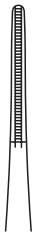
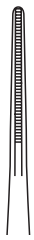
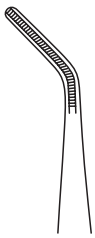
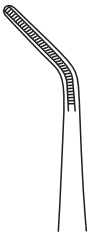
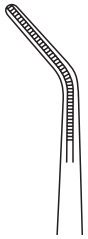
06.76.20

DeBakey “AT”

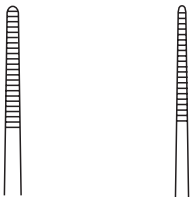
Titanium

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″

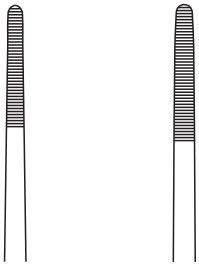
07.30.14 | **07.30.74**

Lucae

14 cm - 5½″

07.31.14

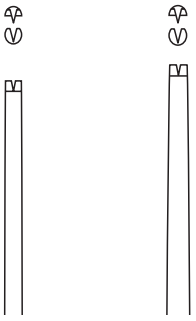
Lucae



16 cm - 6¼″ | 19,5 cm - 7¾″

07.30.16 | **07.30.19**

Gruenwald

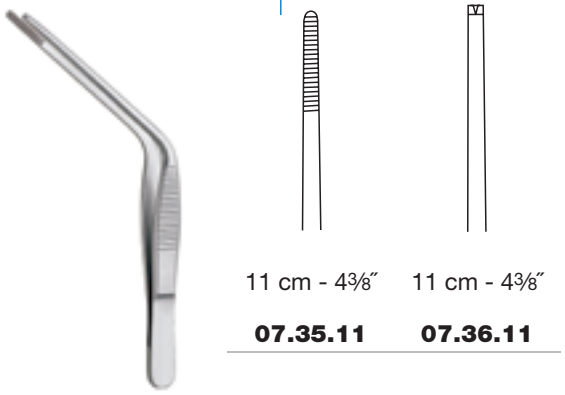


16 cm - 6¼″ | 19,5 cm - 7¾″

07.31.16 | **07.31.19**

Gruenwald

für Kinder
for children
para niños
pour enfants
per bambini

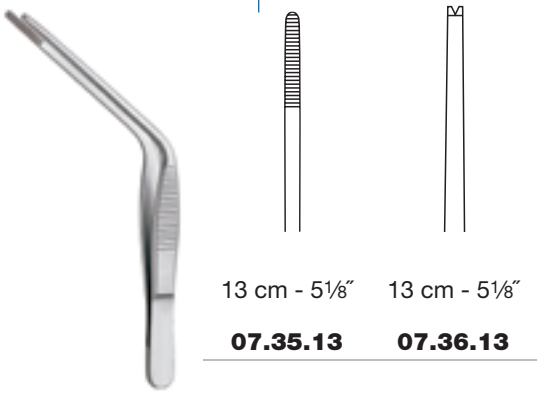


11 cm - 4⅜″ | 11 cm - 4⅜″

07.35.11 | **07.36.11**

Troeltsch (Wilde)

für Erwachsene
for adults
para adultos
pour adultes
per adulti

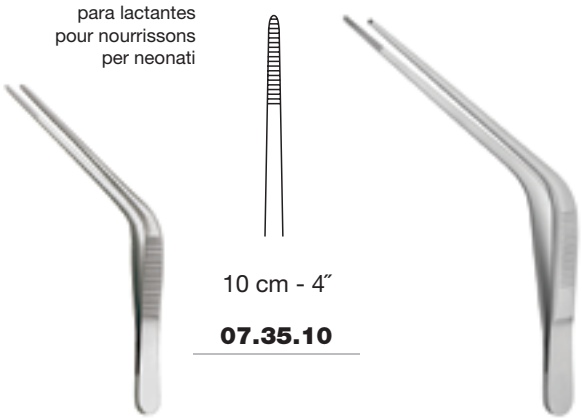


13 cm - 5⅛″ | 13 cm - 5⅛″

07.35.13 | **07.36.13**

Troeltsch (Wilde)

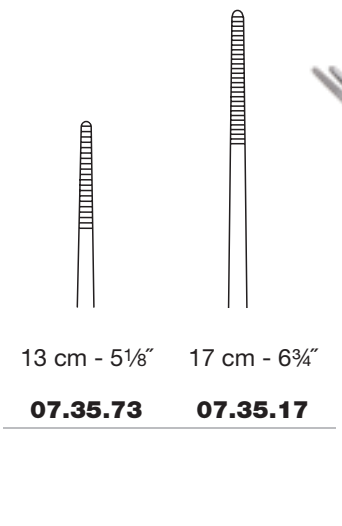
für Säuglinge
for babies
para lactantes
pour nourrissons
per neonati



10 cm - 4″

07.35.10

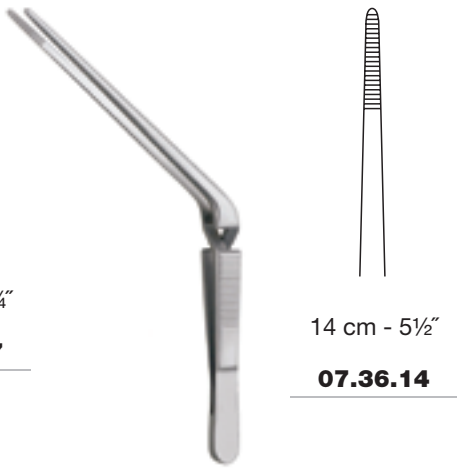
Troeltsch (Wilde)



13 cm - 5⅛″ | 17 cm - 6¾″

07.35.73 | **07.35.17**

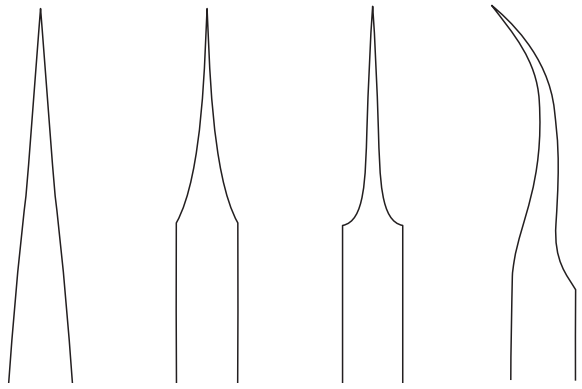
Troeltsch



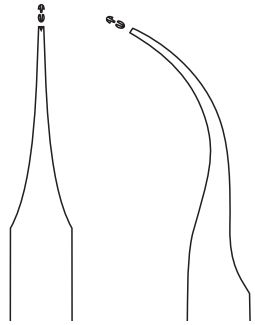
14 cm - 5½″

07.36.14

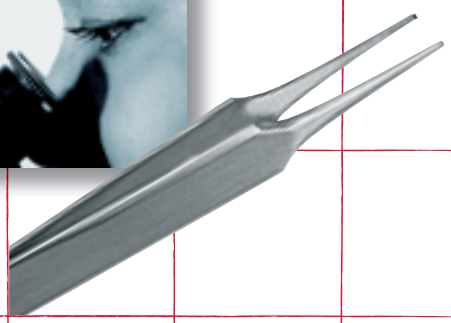
Troeltsch



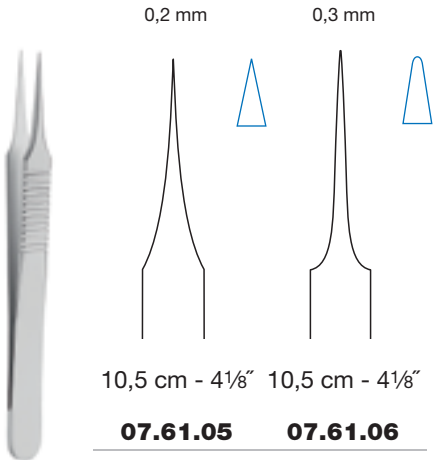
11,5 cm - 4½″	11,5 cm - 4½″	11,5 cm - 4½″	11,5 cm - 4½″
07.60.03	**07.60.04**	**07.60.05**	**07.60.07**



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



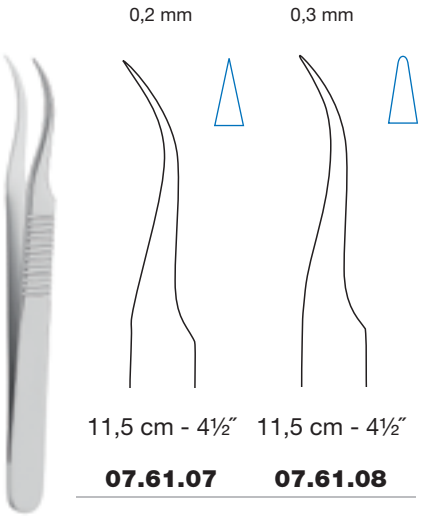
Weitere Juwelierpinzetten finden Sie in unserem Hauptkatalog
For further jeweler's forceps see our main catalogue
Más pinzas para joyero/relojero se encuentra en nuestro catálogo general
Vous trouverez d'autres pinces pour joaillier/horloger dans notre catalogue général
Ulteriori pinze per gioielliere/orologiaio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



10,5 cm - 4⅛″ | 10,5 cm - 4⅛″

07.61.05 | **07.61.06**

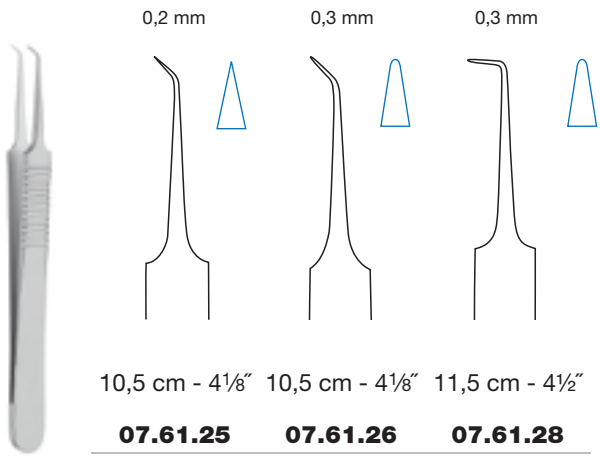
micro 2000



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″

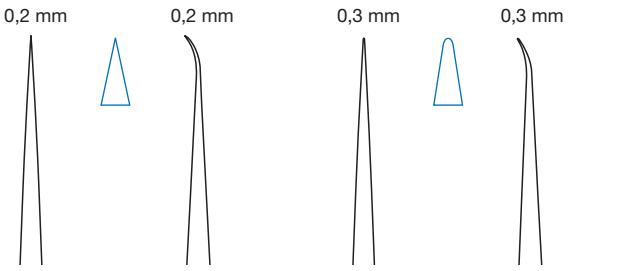
07.61.25 | **07.61.26** | **07.61.28**

micro 2000

medicon Instrumente
the art of surgery

spitz
sharp
aguda
pointu
acuta

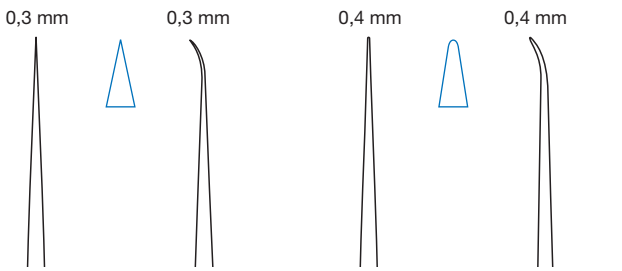
stumpf
blunt
roma
mousse
smussa



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 blu

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

Graefe

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

Graefe

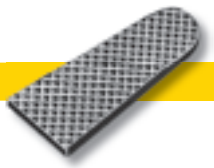
"HM"

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

N normal · regular · normal · normale · normale

0,5 mm

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



F fein · fine · fino · fine · fine

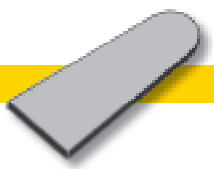
0,4 mm

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 de 5-0 et 6-0
per aghi fini e materiale per sutura fino ad uno spessore 5-0 e 6-0

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

0,3 mm

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



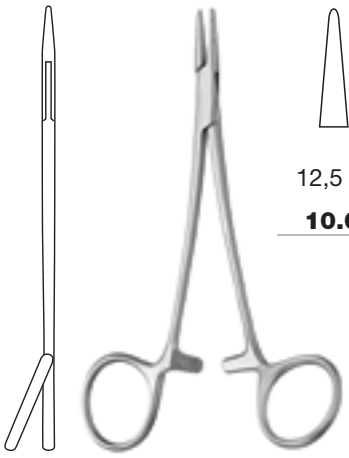
glatt · smooth · liso · lisse · liscia

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

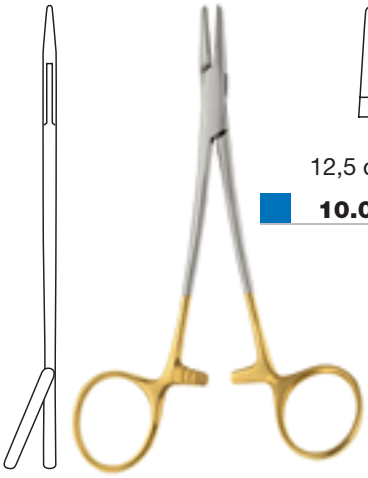
Derf



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″

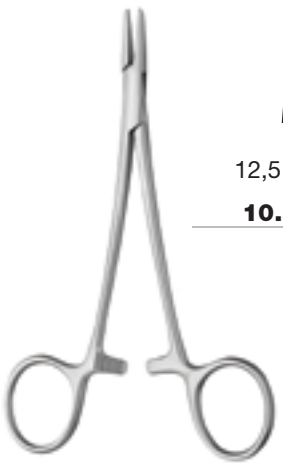
10.00.62

Medicon-Halsted “HM”

Medicon Instrumente
the art of surgery

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

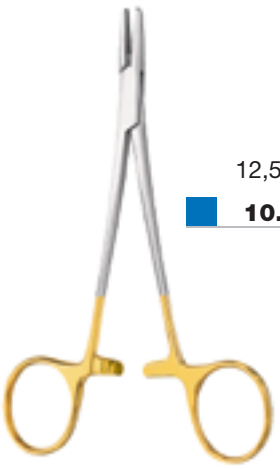
7-0 to 10-0 glatt
smooth
liso
lisse
liscia



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″ | 13,5 cm - 5⅜″

10.10.61 | **10.10.63**

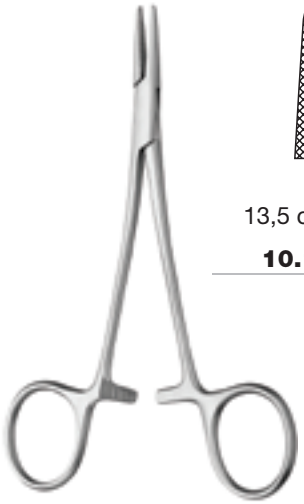
Halsey “HM”

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

7-0 to 10-0 glatt
smooth
liso
lisse
liscia

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**

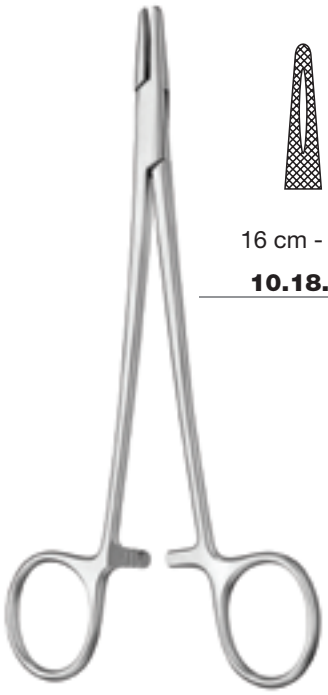
Halsey “HM”

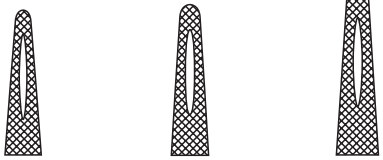
14 cm - 5½″
N **10.14.64**

Baumgartner “HM”

Medicon Instrumente
the art of surgery

“HM”	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno
F 5-0 and 6-0	fein fine fino fine fine



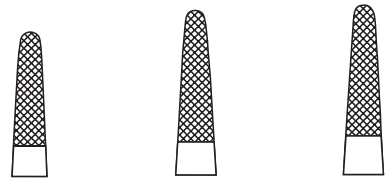


16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″
10.18.15	**10.18.18**	**10.18.20**

Mayo-Hegar

15 cm - 6″
10.20.14

Baby-Crile-Wood

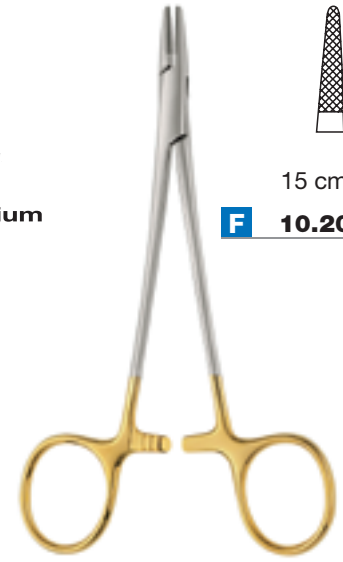


	16 cm - 6¼″	18 cm - 7⅛″	20 cm - 8″
N	**10.18.65**	**10.18.68**	**10.18.70**
N	**10.18.85**	**10.18.88**	**10.18.90**

Mayo-Hegar "HM"

* Titan
Titanium
Titanio
Titane
Titanio

Ti Titanium



15 cm - 6″
F **10.20.64**

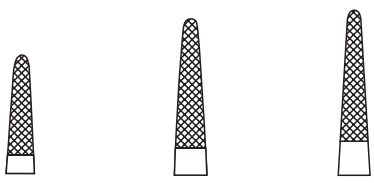
Baby-Crile-Wood "HM"

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

Crile-Wood

18 cm - 7⅛″ **10.22.18**

Sarot



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

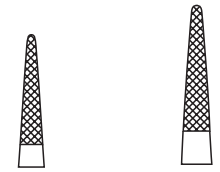
Crile-Wood “HM”
(DeBakey “HM”)

18 cm - 7⅛″ **F 10.22.68**

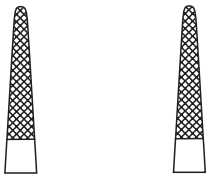
Sarot “HM”

Medicon Instrumente the art of surgery

“HM”	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno
F 5-0 and 6-0	fein fine fino fine fine

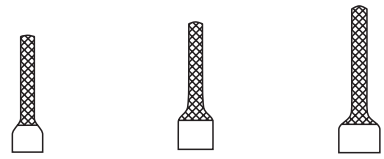


	15 cm - 6″	18 cm - 7⅛″
F	**10.24.65**	**10.24.68**

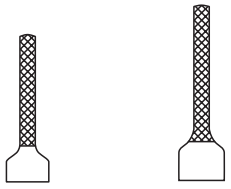


	20 cm - 8″	23 cm - 9″
F	**10.24.70**	**10.24.73**

micro-slim “HM”

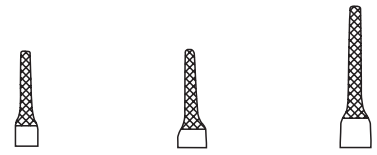


	13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″
N	**10.26.63**	**10.26.65**	**10.26.68**

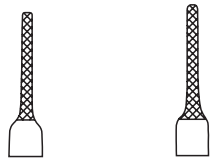


	20 cm - 8″	23 cm - 9″
N	**10.26.70**	**10.26.73**

Ryder (French Eye) “HM”



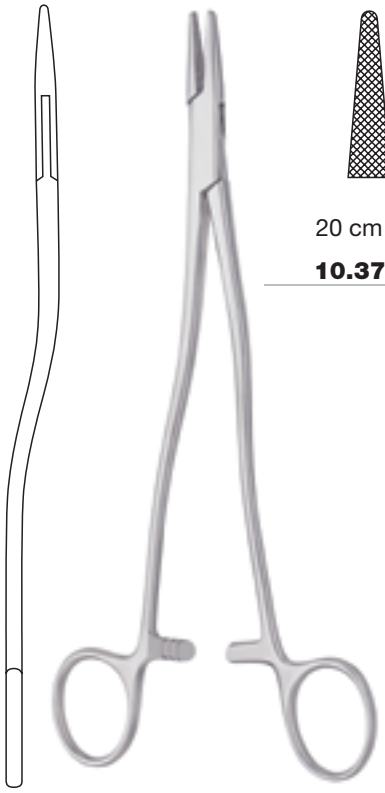
	13 cm - 5⅛″	15 cm - 6″	18 cm - 7⅛″
EF	**10.28.63**	**10.28.65**	**10.28.68**



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

Mini-Ryder “HM”

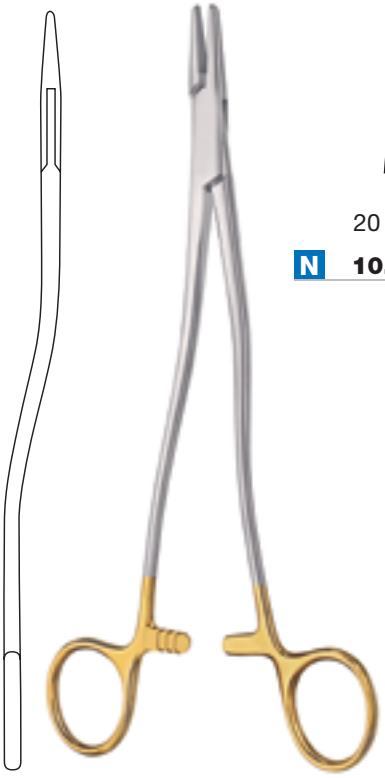
“HM”	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno
N 4-0	normal regular normal normale normale
EF 10-0	extra-fein extra-fine extra-fino extra-fine extra-fine



20 cm - 8″

10.37.20

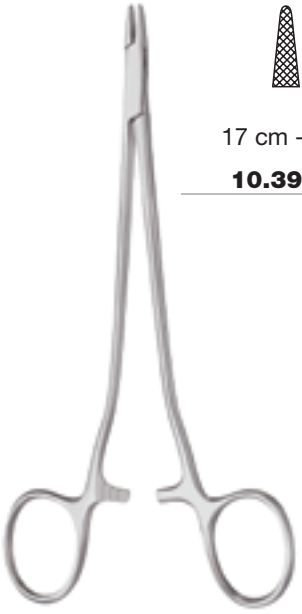
Thomson-Walker (Bozemann)



20 cm - 8″

N **10.37.70**

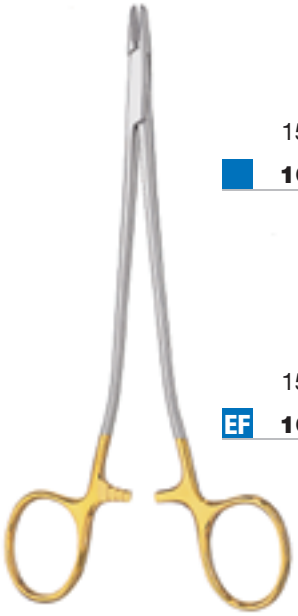
Bozemann (Wertheim) “HM”



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”

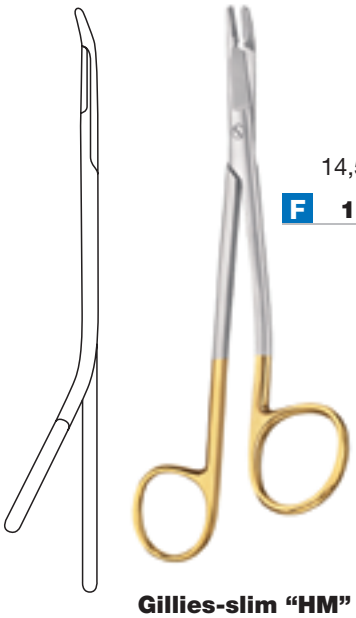
Medicon Instrumente
the art of surgery

“HM”	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno	N 4-0	normal regular normal normale normale	EF 10-0	extra-fein extra-fine extra-fino extra-fine extra-fine

14,5 cm - 5¾″

10.59.14

Gillies-slim

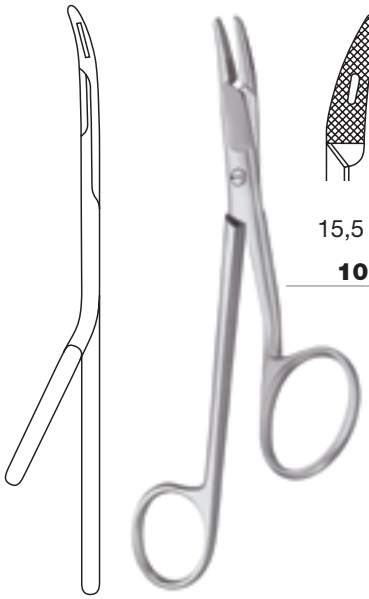


14,5 cm - 5¾″

F **10.59.64**

Gillies-slim “HM”

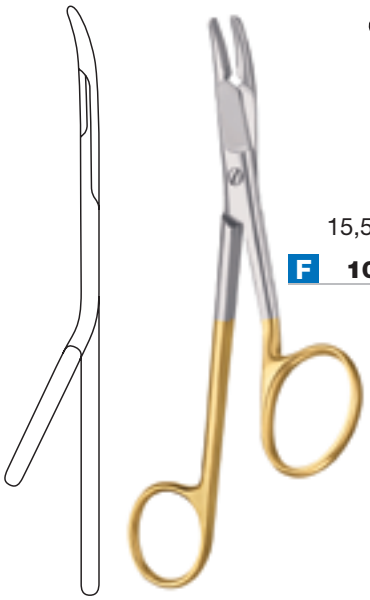
Nadelhalter mit Schere
Needle holders with scissors
Porta-agujas con tijera
Porte-aiguilles avec ciseaux
Portaghi con forbice



15,5 cm - 6⅛″

10.59.15

Gillies

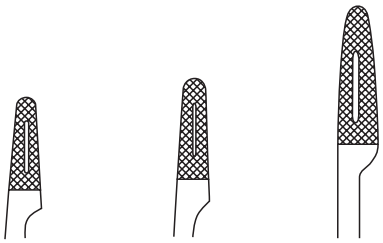


15,5 cm - 6⅛″

F **10.59.65**

Gillies “HM”

Olsen-Hegar



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

Olsen-Hegar “HM”

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

Medicon Instrumente
the art of surgery

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

F 5-0 and 6-0	fein fine fino fine fine

14 cm - 5½″	17 cm - 6¾″
11.18.14	**11.18.17**

Mathieu-Kocher

	14 cm - 5½″	17 cm - 6¾″
N	**11.18.64**	**11.18.67**

Mathieu-Kocher “HM”

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

Mathieu

	14 cm - 5½″	17 cm - 6¾″
N	**11.20.64**	**11.20.67**

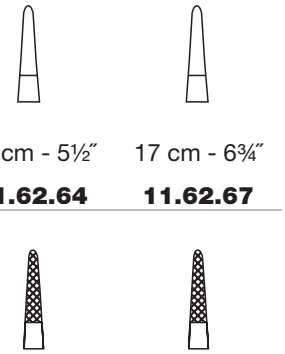
Mathieu “HM”

“HM”	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno
N 4-0	normal regular normal normale normale

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

Medicon Instrumente
the art of surgery

"HM"	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno
■ 7-0 to 10-0	glatt smooth liso lisse liscia
EF 10-0	extra-fein extra-fine extra-fino extra-fine extra-fine

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

Yasargil

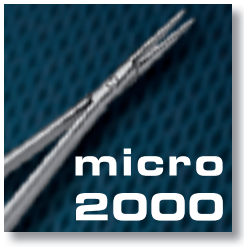
15 cm - 6″	15 cm - 6″
12.15.30	**12.15.31**

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



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 blu

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**

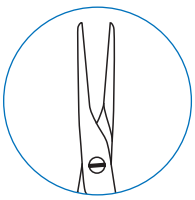
mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

micro 2000

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

Ti Titanium

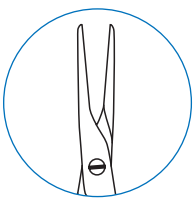
15 cm - 6″	15 cm - 6″	18 cm - 7⅛″	18 cm - 7⅛″	21 cm - 8¼″	21 cm - 8¼″
12.16.75	**12.16.77**	**12.18.85**	**12.18.87**	**12.21.95**	**12.21.97**



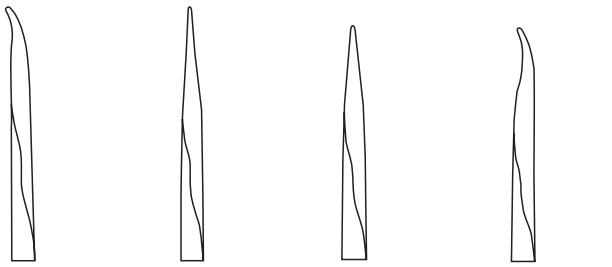
Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

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



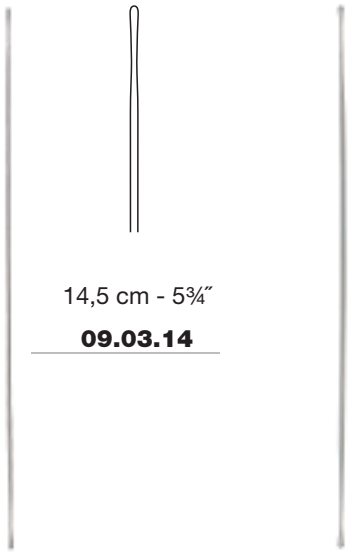
16 cm - 6¼″	16 cm - 6¼″	18,5 cm - 7¼″	18,5 cm - 7¼″
58.16.45	**58.16.48**	**58.19.40**	**58.19.45**

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

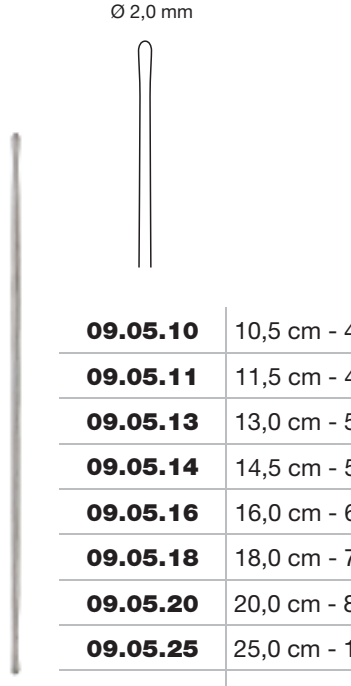


14,5 cm - 5¾″
09.03.14

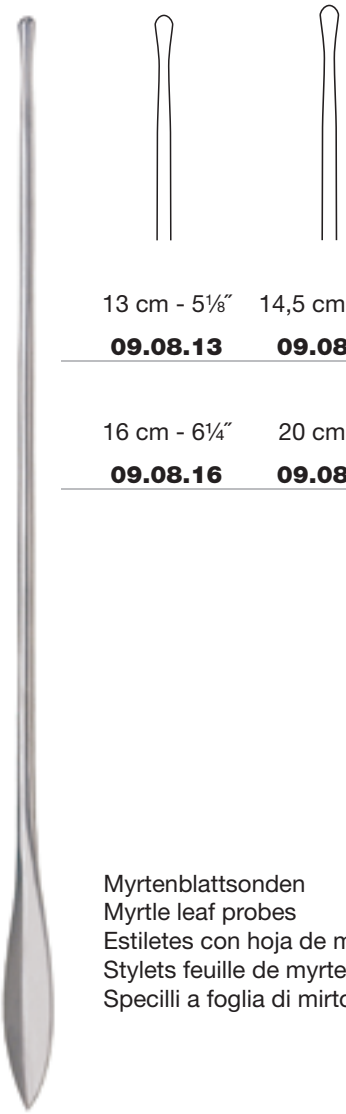
Ø 1,5 mm

09.04.10	10,5 cm - 4⅛″
09.04.11	11,5 cm - 4½″
09.04.13	13,0 cm - 5⅛″
09.04.14	14,5 cm - 5¾″
09.04.16	16,0 cm - 6¼″
09.04.18	18,0 cm - 7⅛″
09.04.20	20,0 cm - 8″
09.04.25	25,0 cm - 10″

Ø 2,0 mm



09.05.10	10,5 cm - 4⅛″
09.05.11	11,5 cm - 4½″
09.05.13	13,0 cm - 5⅛″
09.05.14	14,5 cm - 5¾″
09.05.16	16,0 cm - 6¼″
09.05.18	18,0 cm - 7⅛″
09.05.20	20,0 cm - 8″
09.05.25	25,0 cm - 10″
09.05.30	30,0 cm - 11¾″



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**

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″ **09.15.11**
14,5 cm - 5¾″ **09.15.14**
16 cm - 6¼″ **09.15.16**
18 cm - 7⅛″ **09.15.18**
20 cm - 8″ **09.15.20**

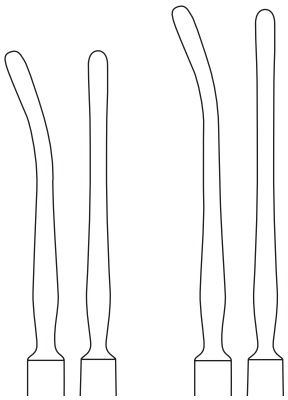
Ø 0,9 mm

18 cm - 7⅛″
72.25.01

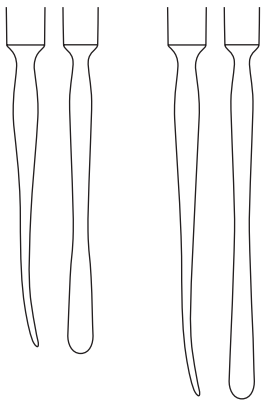
aus Silber
Sterling Silber
de plata pura
en argent pur
in argento puro

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	aus Neusilber Nickel silver de plata alemana en maillechort in argentone
60.34.00	**60.34.01**	**60.34.02**	
# 3 – 4	# 5 – 6	# 7 – 8	
60.34.04	**60.34.06**	**60.34.08**	
# 4/0 – 3/0	# 00 – 0	# 1 – 2	aus Silber Sterling silver de plata pura en argent pur in argento puro
60.34.10	**60.34.11**	**60.34.12**	
# 3 – 4	# 5 – 6	# 7 – 8	
60.34.14	**60.34.16**	**60.34.18**	

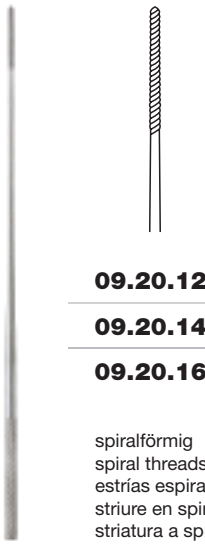
Bowman

# 00 – 0	# 1 – 2	# 3 – 4	aus Neusilber Nickel silver de plata alemana en maillechort in argentone
60.34.21	**60.34.22**	**60.34.24**	
# 5 – 6	# 7 – 8		
60.34.26	**60.34.28**		
# 00 – 0	# 1 – 2	# 3 – 4	aus Silber Sterling silver de plata pura en argent pur in argento puro
60.34.31	**60.34.32**	**60.34.34**	
# 5 – 6	# 7 – 8		
60.34.36	**60.34.38**		

Bowman (Williams)

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

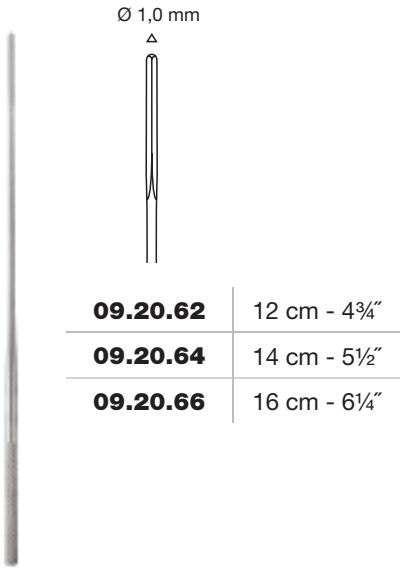
fig.	0000	000	00	0	1	2	3	4	5	6	7	8
Ø mm	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7



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

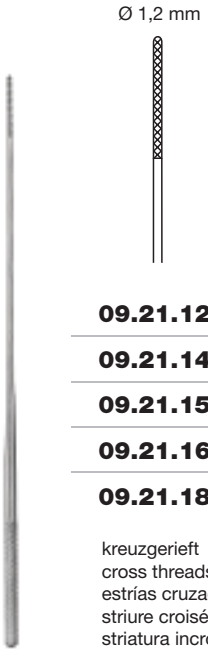
spiralförmig
spiral threads
estrías espirales
striure en spirale
striatura a spirale

Frohn



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

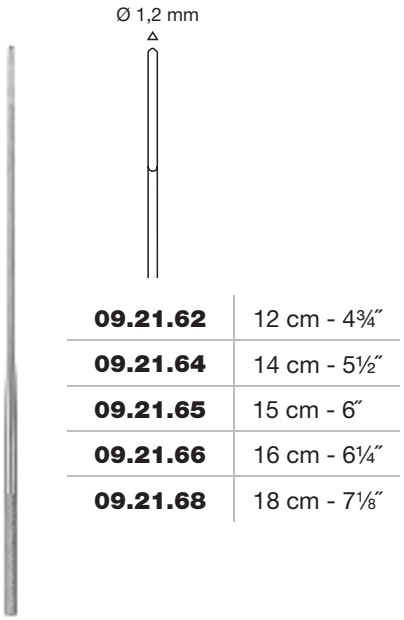
Frohn



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)



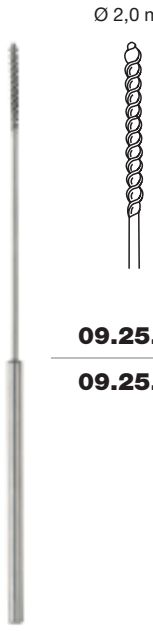
09.21.62	12 cm - 4¾″
09.21.64	14 cm - 5½″
09.21.65	15 cm - 6″
09.21.66	16 cm - 6¼″
09.21.68	18 cm - 7⅛″

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″

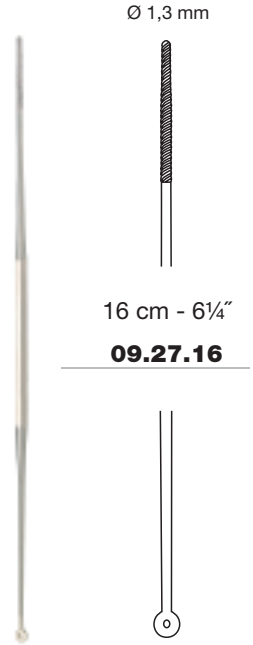
Ø 2,0 mm



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

Andrews

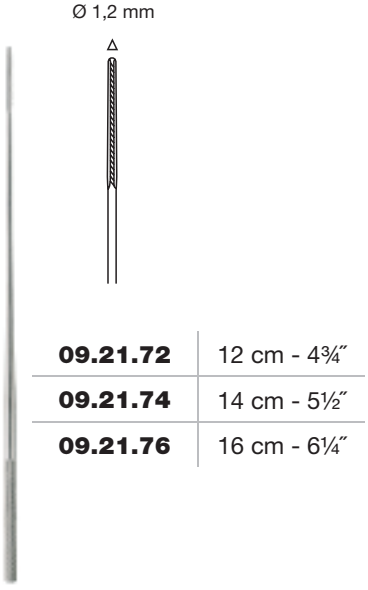
Ø 1,3 mm



16 cm - 6¼″
09.27.16

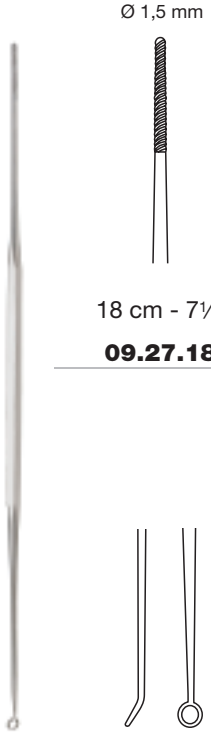
Uckermann

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



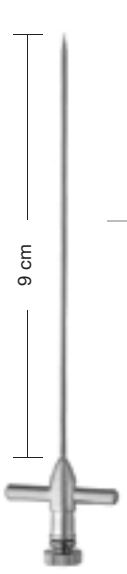
18 cm - 7⅛″
09.27.18

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

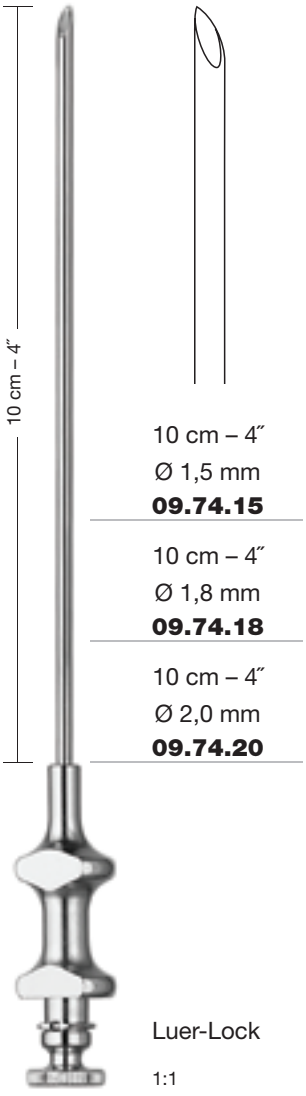
09.74.91

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



10 cm – 4″
Ø 1,5 mm
09.74.15

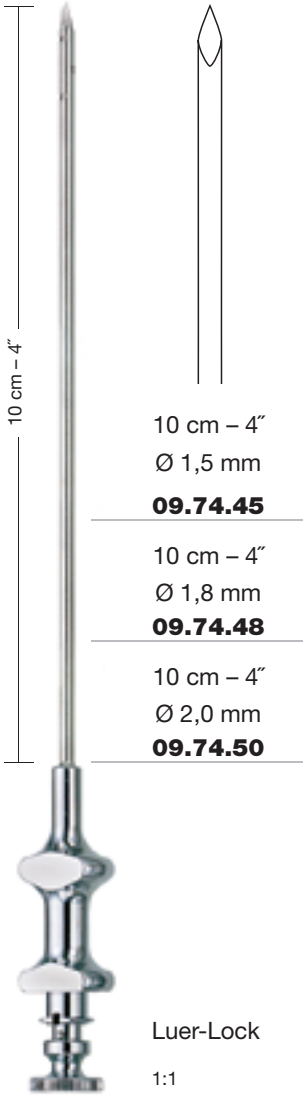
10 cm – 4″
Ø 1,8 mm
09.74.18

10 cm – 4″
Ø 2,0 mm
09.74.20

Luer-Lock

1:1

Lichtwitz



10 cm – 4″
Ø 1,5 mm
09.74.45

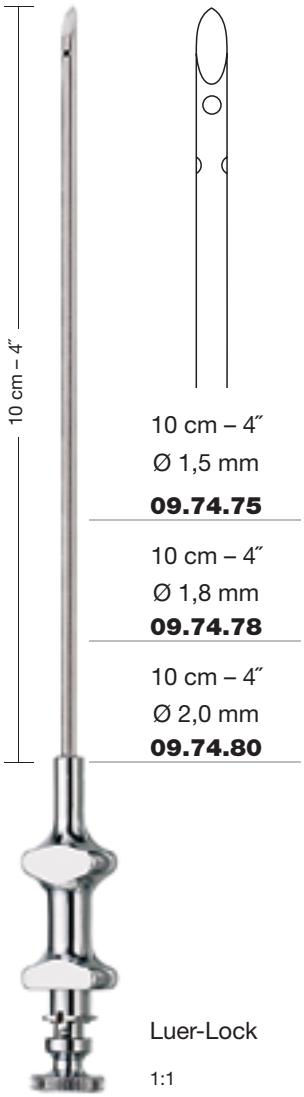
10 cm – 4″
Ø 1,8 mm
09.74.48

10 cm – 4″
Ø 2,0 mm
09.74.50

Luer-Lock

1:1

Lichtwitz-Eicken



10 cm – 4″
Ø 1,5 mm
09.74.75

10 cm – 4″
Ø 1,8 mm
09.74.78

10 cm – 4″
Ø 2,0 mm
09.74.80

Luer-Lock

1:1

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
♀

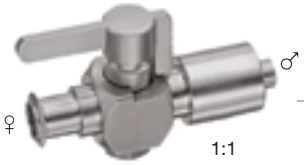
Katheteransätze, konisch
Catheter fittings, conical
Adaptadores para catéteres, cónicos
Adaptateurs pour cathéters, coniques
Adattatori per cateteri, conici

1:1

Luer-Lock
♀

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

Durchflusshahn
Stopcock
Llave
Robinet
Rubinetto

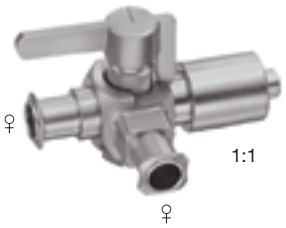


♀ 1:1 ♂

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

Luer-Lock ♀

13,5 cm - 5⅜″
09.80.12
Charr. 12

Adson

Ø 4,0 mm

Luer-Lock ♀

13,5 cm - 5⅜″
09.81.32
Charr. 12

Adson

Ø 4,0 mm

Luer-Lock ♀

13,5 cm - 5⅜″
09.81.12
Charr. 12

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 (Kanüle)
Measurements = working length (cannula)
Medidas = longitud útil (cánula)
Mesures = longueur utile (canule)
Misure = lunghezza utile (cannula)

Frazier

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 (Fergusson)

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

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 (Fergusson)

18 cm - 7⅛″	18 cm - 7⅛″
09.83.76	**09.83.78**
Charr. 6	Charr. 8
18 cm - 7⅛″	18 cm - 7⅛″
09.83.80	**09.83.82**
Charr. 10	Charr. 12

Maßangaben = Nutzlänge (Kanüle)
Measurements = working length (cannula)
Medidas = longitud útil (cánula)
Mesures = longueur utile (canule)
Misure = lunghezza utile (cannula)

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 (Kanüle)
Measurements = working length (cannula)
Medidas = longitud útil (cánula)
Mesures = longueur utile (canule)
Misure = lunghezza utile (cannula)

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

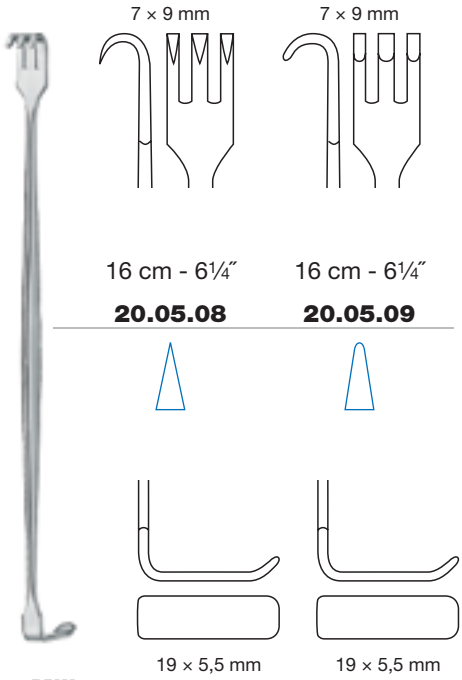
Yankauer

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

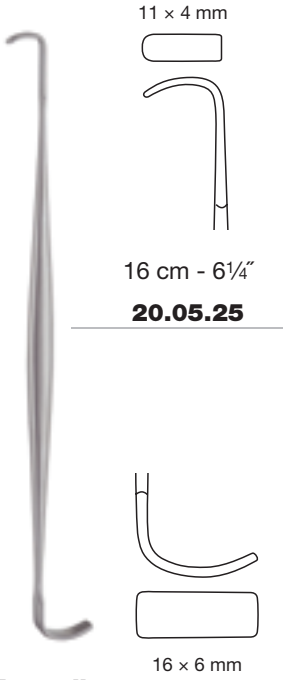
Maßangaben = Nutzlänge (Kanüle)
Measurements = working length (cannula)
Medidas = longitud útil (cánula)
Mesures = longueur utile (canule)
Misure = lunghezza utile (cannula)



16 cm - 6¼″ | 16 cm - 6¼″

20.05.08 | **20.05.09**

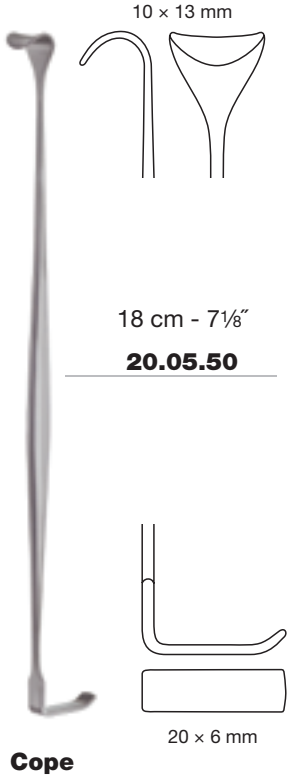
Senn-Miller



16 cm - 6¼″

20.05.25

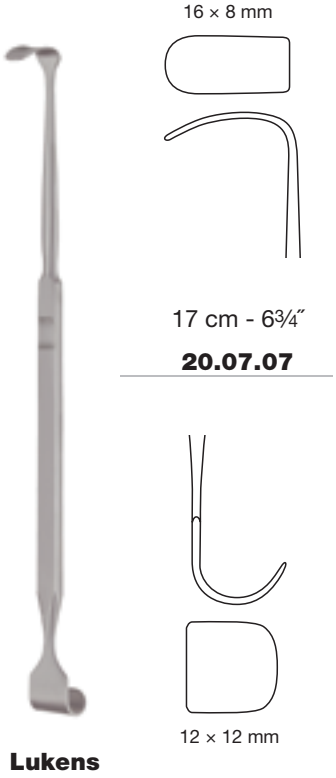
Ragnell



18 cm - 7⅛″

20.05.50

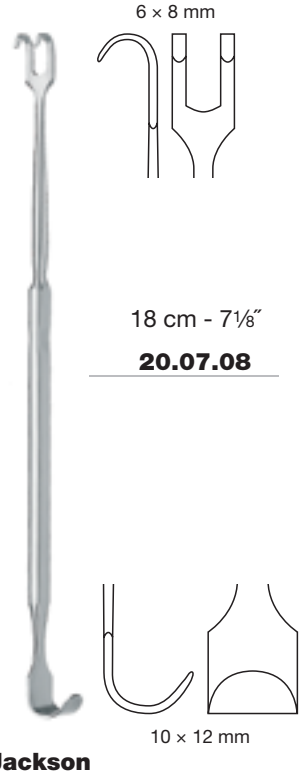
Cope



17 cm - 6¾″

20.07.07

Lukens



18 cm - 7⅛″

20.07.08

Jackson

Medicon Instrumente
the art of surgery

spitz
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

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

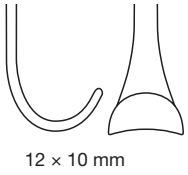
15 × 3 mm

18 cm - 7⅛″
20.12.18

Lanz

12 × 12 mm

16 cm - 6¼″
20.09.50



12 × 10 mm

Rose

6 mm

10 mm

14 cm - 5½″
20.12.10

20 mm

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

König

13 × 6 mm

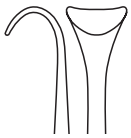
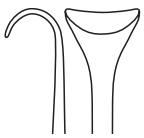
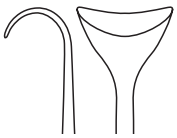
21 cm - 8¼″

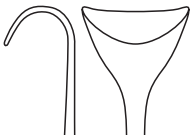
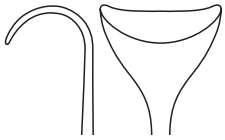
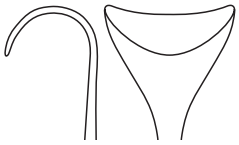
20.17.90

Schoenborn

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

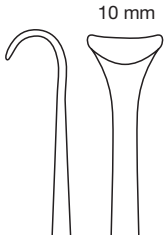
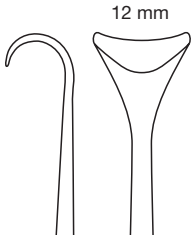
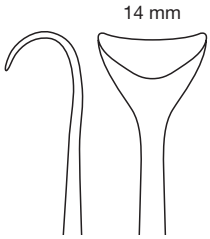
Cushing

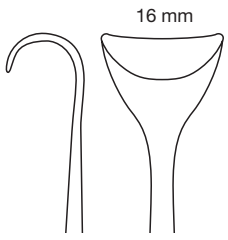
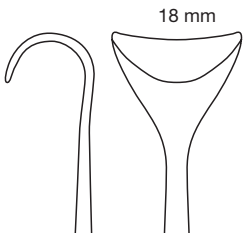
8 × 8 mm	8 × 10 mm	9 × 12 mm
		
20 cm - 8″ **20.17.08**	20 cm - 8″ **20.17.10**	20 cm - 8″ **20.17.12**
24 cm - 9½″ **20.17.28**	24 cm - 9½″ **20.17.30**	24 cm - 9½″ **20.17.32**

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

Lidhalter
Lid retractors
Retractores para párpados
Releveurs à paupières
Elevatori per palpebre

Desmarres

10 mm	12 mm	14 mm
		
14 cm – 5½″ **60.05.10** # 0	14 cm – 5½″ **60.05.11** # 1	14 cm – 5½″ **60.05.12** # 2

16 mm	18 mm
	
14 cm – 5½″ **60.05.13** # 3	14 cm – 5½″ **60.05.14** # 4

2 mm
14 cm – 5½″
20.22.01

3 mm
14 cm – 5½″
20.22.02

4 mm
14 cm – 5½″
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

3 mm

15 cm - 6″

20.35.01

3 mm

15 cm - 6″

20.35.02

Hauthäkchen
Skin hooks
Ganchitos para piel
Crochets à peau
Uncini per pelle

Barsky

9 mm

14,5 cm - 5¾″

20.40.14

Trachealhaken
Tracheal hooks
Ganchos traqueales
Crochets trachéaux
Uncini tracheali

Jackson

7 mm

16 cm - 6¼″

20.40.16

Trachealhaken
Tracheal hooks
Ganchos traqueales
Crochets trachéaux
Uncini tracheali

Cottle

8 mm

14 cm - 5½″

20.45.14

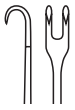
Bergmann

11 mm

16,5 cm - 6½″

20.45.16

3 × 3 mm

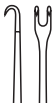


15 cm - 6″

20.52.02

Freer

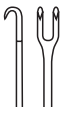
1,5 × 2 mm



13 cm - 5⅛″

20.52.10

2 × 3 mm



13 cm - 5⅛″

20.52.11

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.

5 mm

16 cm - 6¼″

20.50.01

Joseph

5 mm

2 mm	5 mm
17 cm - 6¾″	17 cm - 6¾″
20.50.02	**20.50.05**
7 mm	10 mm
17 cm - 6¾″	17 cm - 6¾″
20.50.07	**20.50.10**

Joseph

4 mm

6 mm

13 cm – 5⅛″

20.55.13

Rollet

5 mm

6 mm

6 mm

16 cm – 6¼″

20.55.16

16 cm – 6¼″

20.55.17

Knapp

5 mm

6 mm

6 mm

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

spitz
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

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**

6 × 1 mm	6 × 5 mm	6 × 8 mm	6 × 11 mm
17 cm - 6¾″	17 cm - 6¾″	17 cm - 6¾″	17 cm - 6¾″
20.61.01	**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

spitz
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

9 mm	8 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	8 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**

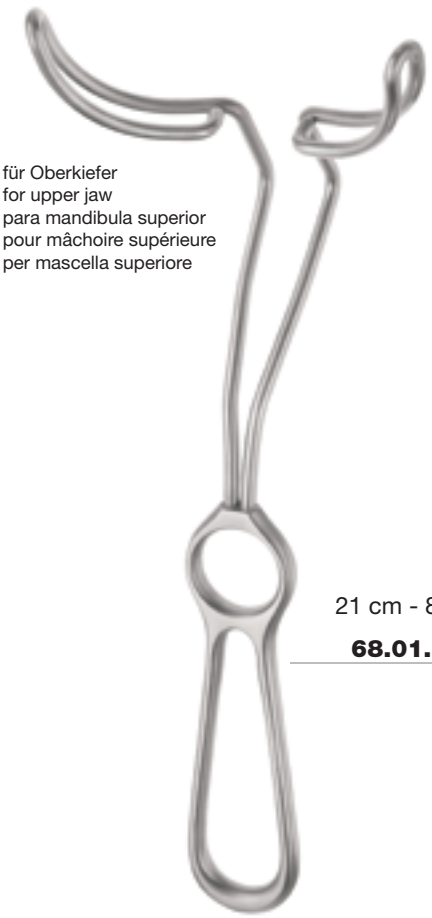
spitz
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

Volkmann

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**	

für Oberkiefer
for upper jaw
para mandibula superior
pour mâchoire supérieure
per mascella superiore



21 cm - 8¼″
68.01.97

für Unterkiefer
for lower jaw
para mandíbula inferior
pour mâchoire inférieure
per mascella inferiore

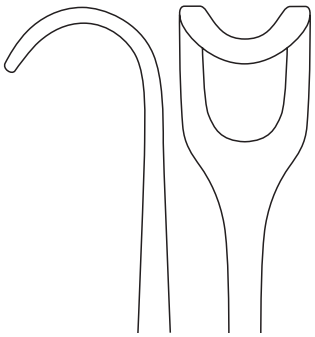
26 cm - 10¼″
68.01.98

Universal
universal
universal
universel
universale

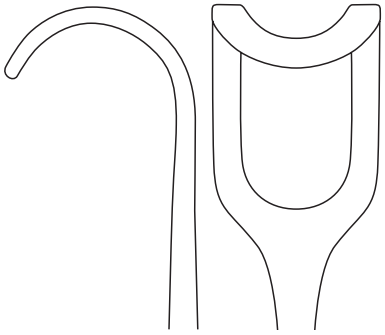
15 cm - 6″
68.01.99

Middeldorpf

16 × 16 mm

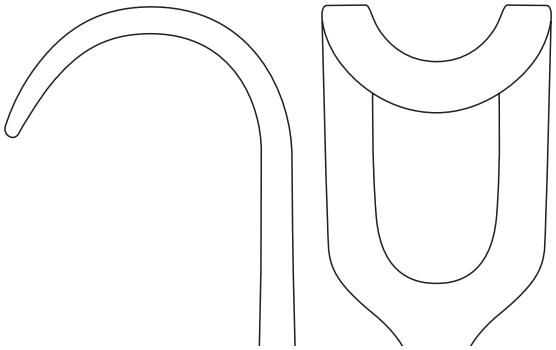


22 × 22 mm



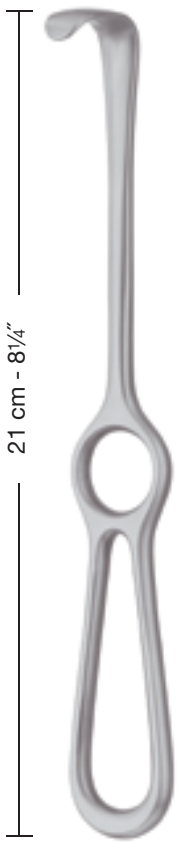
	19,5 cm – 7¾	20,5 cm – 8″
1	**23.33.01**	**23.33.02**
	20,5 cm – 8″	22,5 cm – 9″
2	**23.33.11**	**23.33.12**

30 × 30 mm

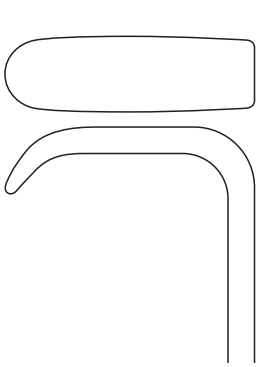


	23 cm – 9″
1	**23.33.03**
	23,5 cm – 9¼″
2	**23.33.13**

Middeldorpf

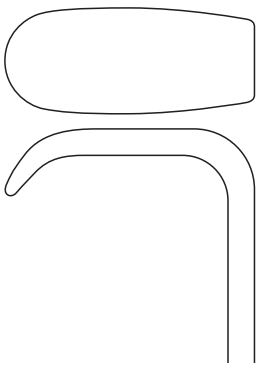


Langenbeck



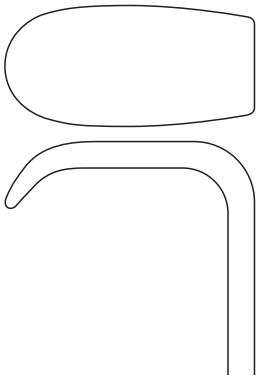
28 × 10 mm

23.05.10



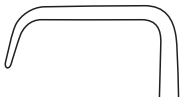
28 × 14 mm

23.05.14

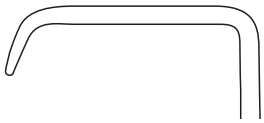


28 × 16 mm

23.05.16



20 × 7 mm
23.25.01



30 × 7 mm
23.25.02

30 × 10 mm
23.25.03

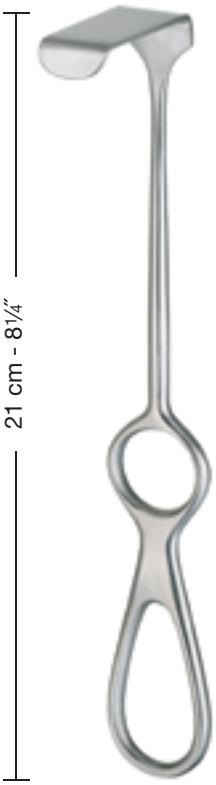
30 × 15 mm
23.25.04

30 × 20 mm
23.25.05

40 × 10 mm
23.25.06

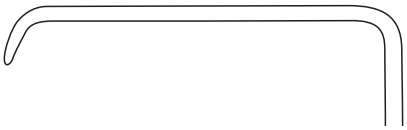
40 × 15 mm
23.25.07

40 × 20 mm
23.25.08



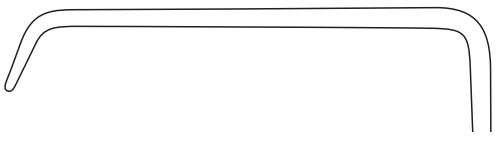
Langenbeck-Kocher

45 × 20 mm
23.25.09

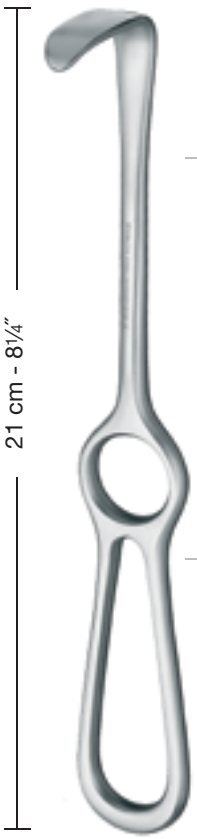


50 × 10 mm
23.25.10

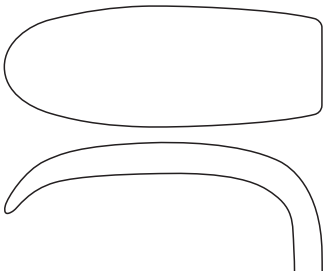
50 × 15 mm
23.25.11



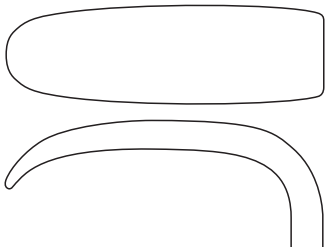
60 × 20 mm
23.25.12



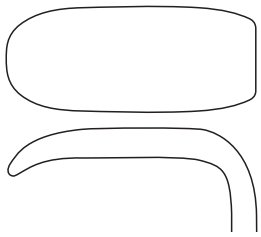
Langenbeck



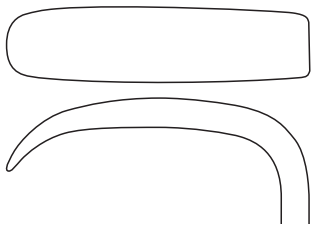
42 × 16 mm
23.06.16



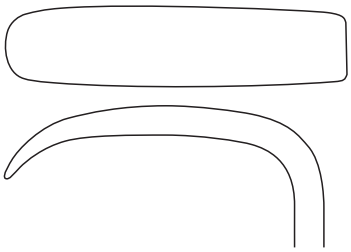
42 × 13 mm
23.06.13



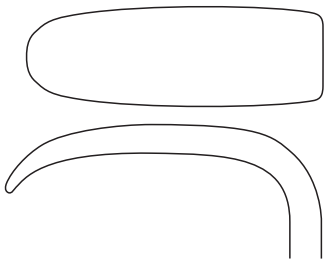
33 × 14 mm
23.06.12



40 × 10 mm
23.06.10

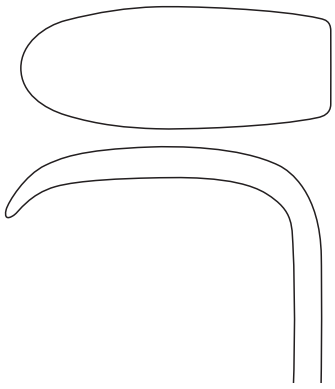


40 × 10 mm
23.07.10



42 × 13 mm
23.07.13

Langenbeck

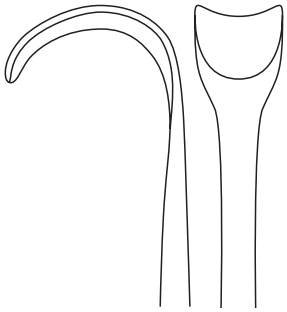


42 × 16 mm
23.07.16

Medicon Instrumente
the art of surgery

Kocher

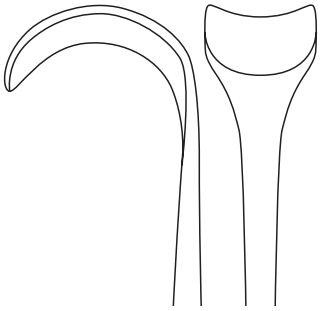
19 × 12 mm



20 cm – 8″

23.40.01

21 × 15 mm

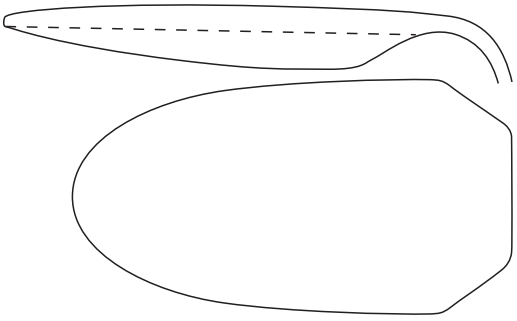


20 cm – 8″

23.40.02

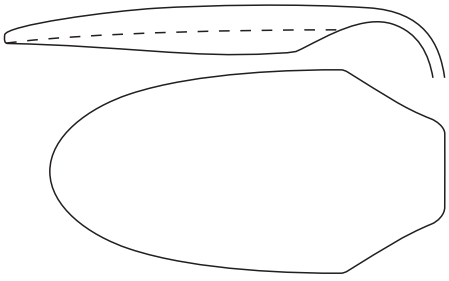
Orbitahaken
Orbital hooks
Separadores orbitales
Crochets orbitaux
Divaricatori orbitale

Kluba



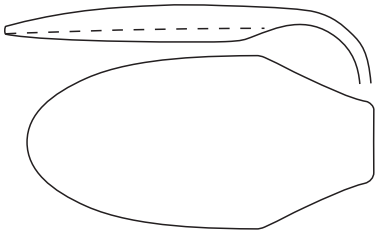
19 cm – 7½″

68.82.33



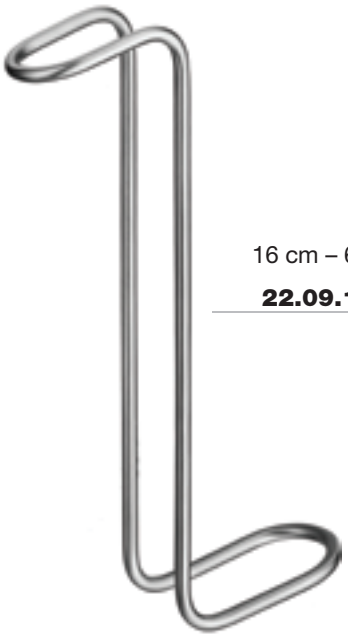
19 cm – 7½″

68.82.32



19 cm – 7½″

68.82.31



16 cm – 6¼″

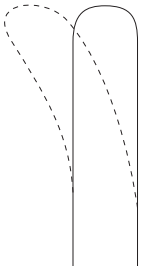
22.09.16

Collin-Hartmann

18 cm – 7⅛″

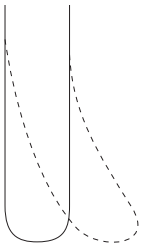
72.02.18

Hajek



biegsam
malleable
maleable
malléable
malleabile

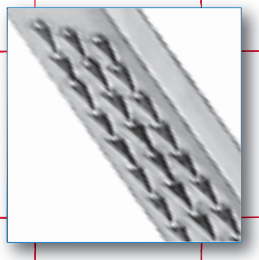
6 x 200 mm	12 x 200 mm
22.00.06	**22.00.12**
17 x 200 mm	25 x 200 mm
22.00.17	**22.00.25**



19 cm – 7½″

66.65.10

Brünings-Brunk

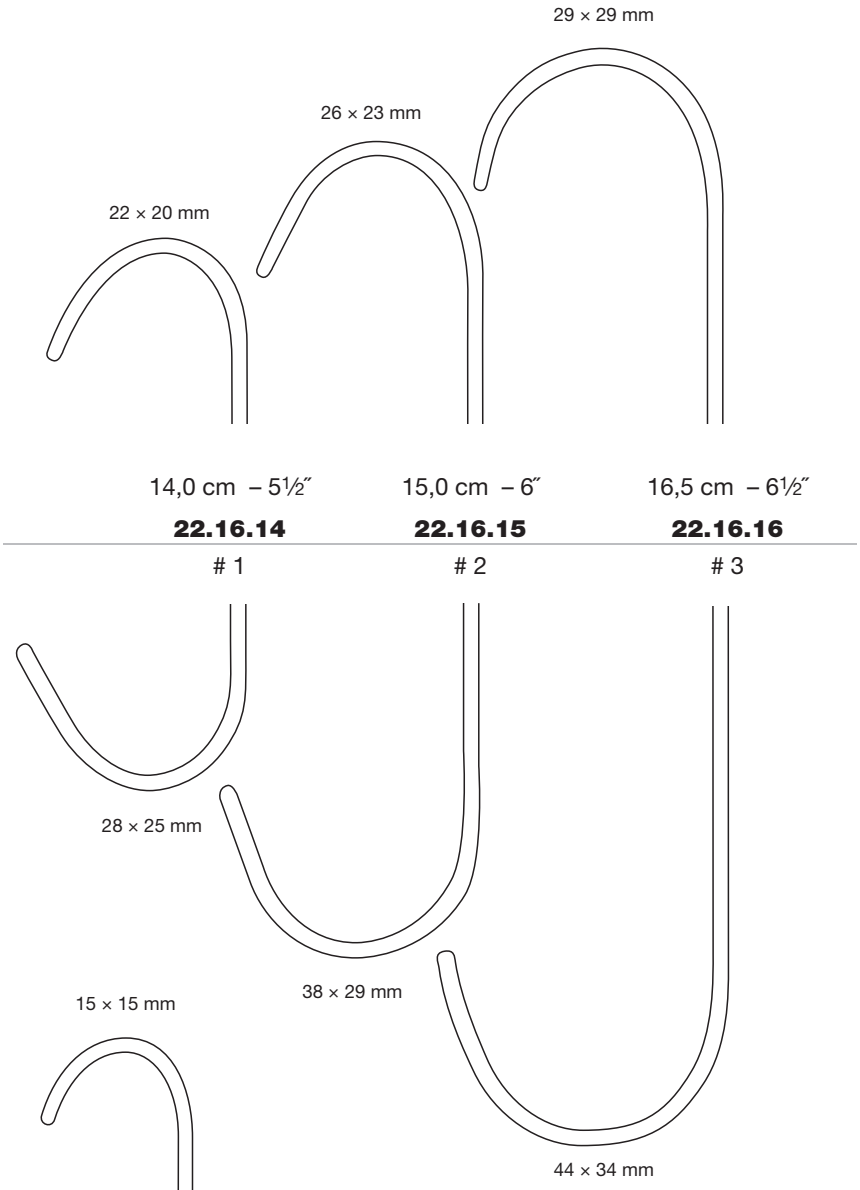


22.16.00

Satz komplett
Set complete
Juego completo
Jeu complet
Serie completa

Roux

Roux-Baby



Jansen

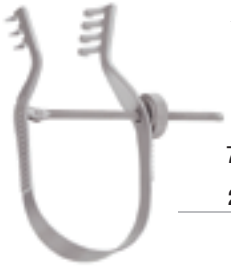
13 mm	13 mm
10 cm – 4″	10 cm – 4″
24.13.10	**24.13.20**

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
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

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″

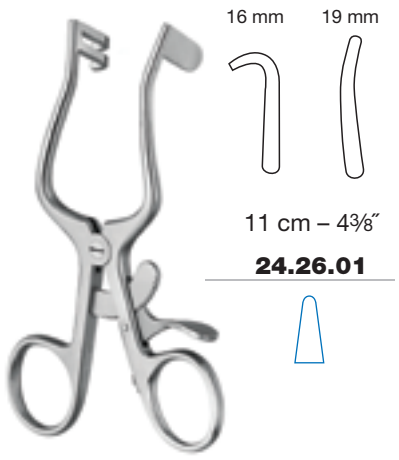
24.22.16 | **24.22.17**

Weitlaner

scharf
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

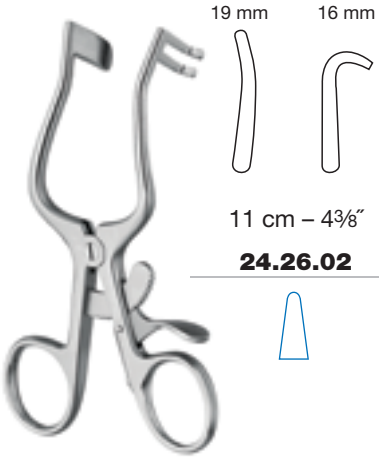
halbscharf
semi sharp
semi agudo
semi pointu
semi acuto



11 cm – 4⅜″

24.26.01

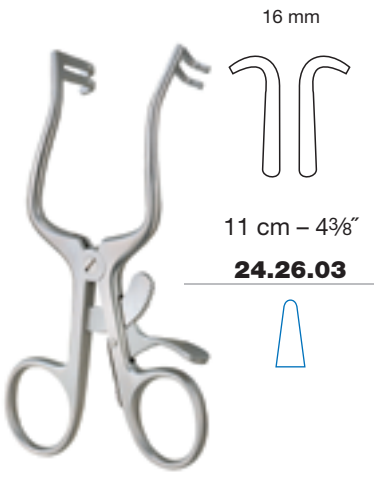
Belucci



11 cm – 4⅜″

24.26.02

Belucci



11 cm – 4⅜″

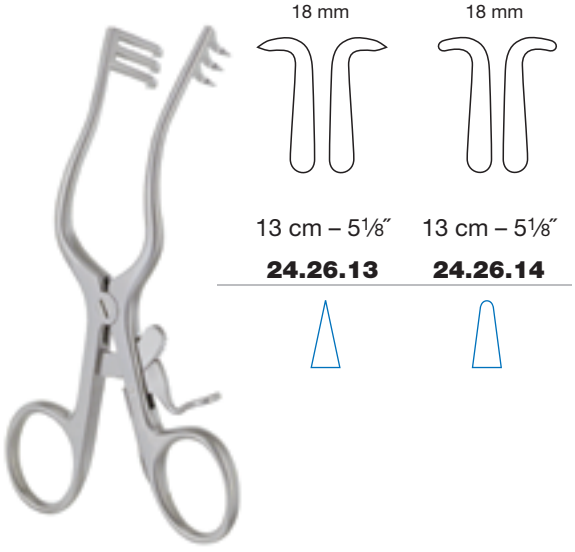
24.26.03

Plester

12 cm – 4¾″

24.26.04

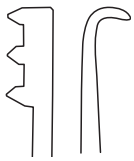
Plester



13 cm – 5⅛″ | 13 cm – 5⅛″

24.26.13 | **24.26.14**

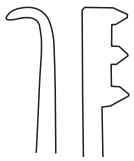
Weitlaner-Wullstein



10,5 cm – 4⅛″

24.26.05

Wigand



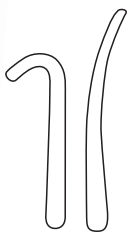
10,5 cm – 4⅛″

24.26.06

Wigand

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

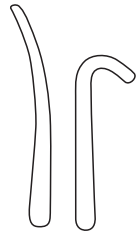
23 mm 29 mm



18 cm – 7⅛″

24.30.30

29 mm 23 mm



18 cm – 7⅛″

24.30.31

Medicon Instrumente
the art of surgery

halbscharf
semi sharp
semi agudo
semi pointu
semi acuto

21 cm – 8¼″
13.09.52

Durham

21 cm – 8¼″
13.09.53

Durham

15 cm – 6″
13.11.14

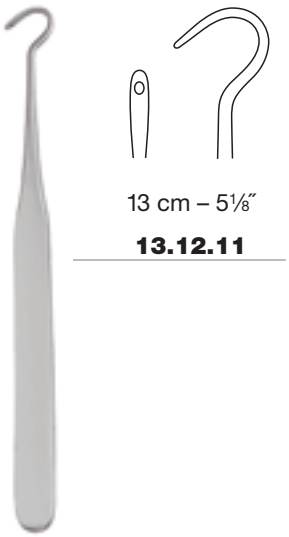
Kronecker

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″

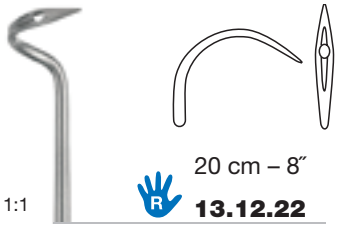
13.12.15

Medicon Instrumente
the art of surgery

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″
R
13.12.22

1:1
20 cm – 8″
L
13.12.23

Deschamps-Baby

1:1
20 cm – 8″
R
13.12.24

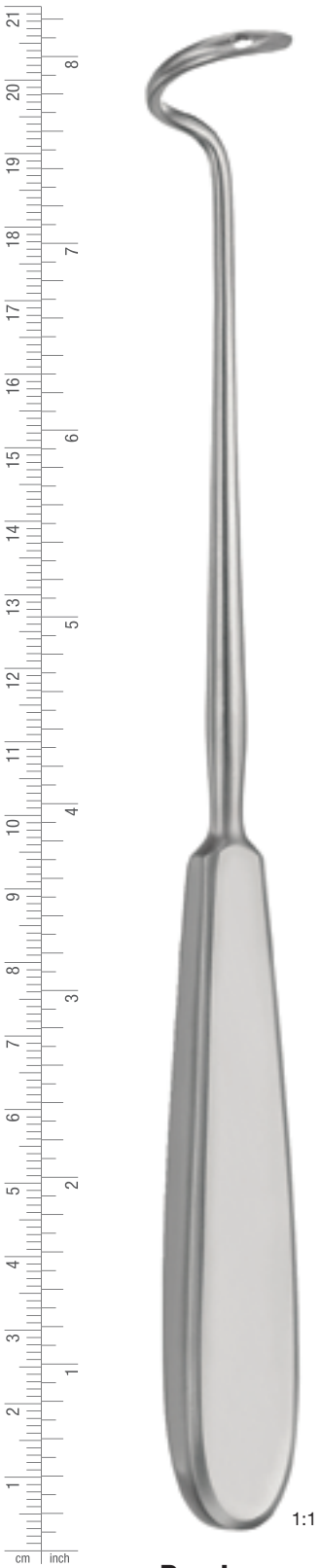
1:1
20 cm – 8″
L
13.12.25

Deschamps-Baby

1:1
20 cm – 8″
R
13.12.32

1:1
20 cm – 8″
L
13.12.33

Deschamps

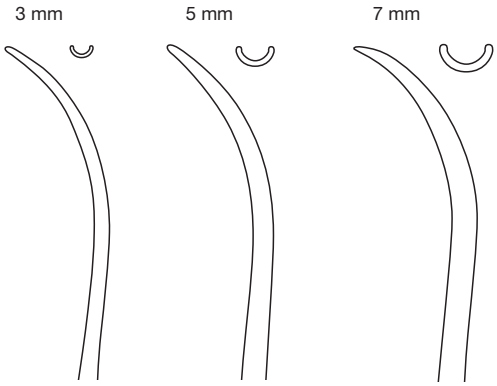


Deschamps

Medicon Instrumente
the art of surgery

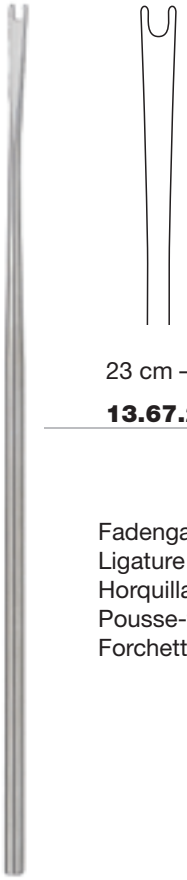
für die linke Hand
for left hand
para la mano izquierda
pour la main gauche
per la mano sinistra

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



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

König



23 cm – 9″

13.67.23

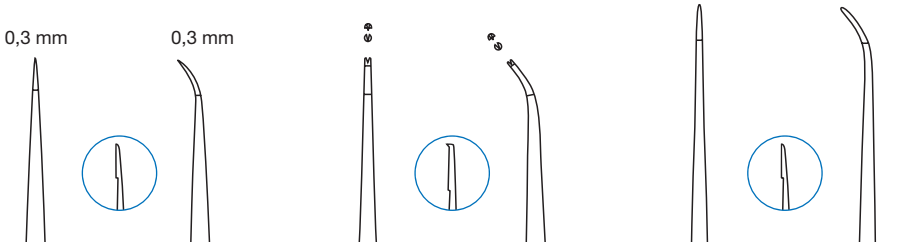
Fadengabel
Ligature adjuster
Horquilla de hilos
Pousse-fil
Forchetta da sutura

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 blu

micro 2000

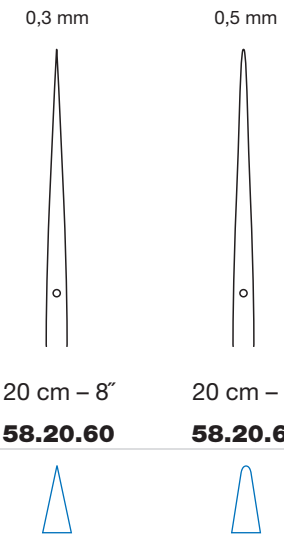
- geringes Gewicht
- gut ausbalanciert
- ermüdungsfreies Arbeiten

- 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



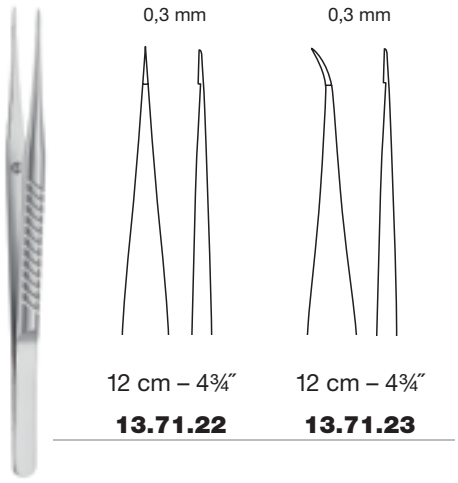
20 cm – 8″	20 cm – 8″
58.20.60	**58.20.64**

micro 2000

spitz
sharp
aguda
pointu
acuta

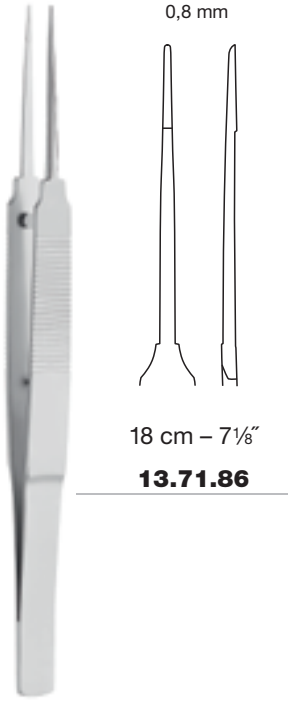
stumpf
blunt
roma
mousse
smussa

micro 2000



12 cm – 4¾″	12 cm – 4¾″
13.71.22	**13.71.23**

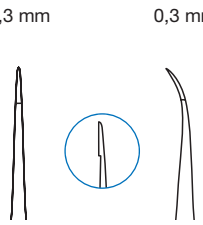
micro 2000



18 cm – 7⅛″

13.71.86

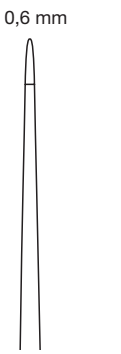
Austin



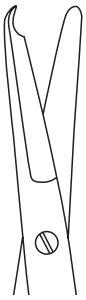
12 cm - 4¾″	12 cm - 4¾″	12 cm - 4¾″	12 cm - 4¾″
13.71.50	**13.71.51**	**13.71.52**	**13.71.53**
15 cm - 6″	15 cm - 6″	15 cm - 6″	15 cm - 6″
13.71.60	**13.71.61**	**13.71.62**	**13.71.63**
18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
13.71.70	**13.71.71**	**13.71.72**	**13.71.73**

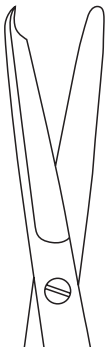
15 cm – 6″	15 cm – 6″
13.71.05	**13.71.15**
18 cm – 7⅛″	18 cm – 7⅛″
13.71.08	**13.71.18**
21 cm – 8¼″	21 cm – 8¼″
13.71.11	**13.71.21**

mit Gewicht
with weight
con peso
avec poids
con peso



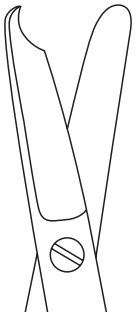
23 cm - 9″
13.71.84





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

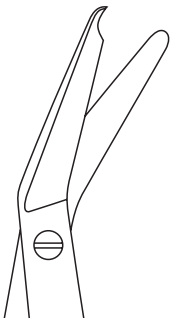
Spencer



13 cm - 5⅛″

14.06.13 standard

Littauer

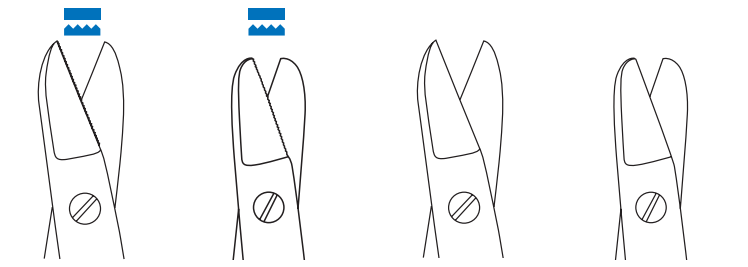


15 cm – 6″

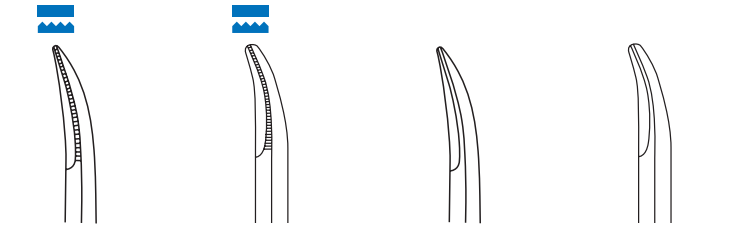
14.07.15 standard

Locklin

Beebee

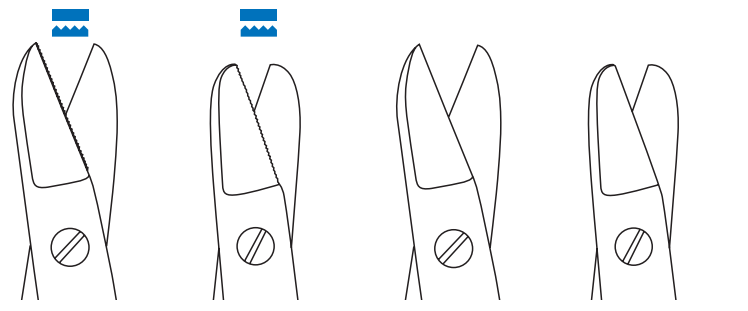


10,5 cm – 4⅛″	10,5 cm – 4⅛″	10,5 cm – 4⅛″	10,5 cm – 4⅛″
14.24.10	**14.24.20**	**14.26.10**	**14.26.20**

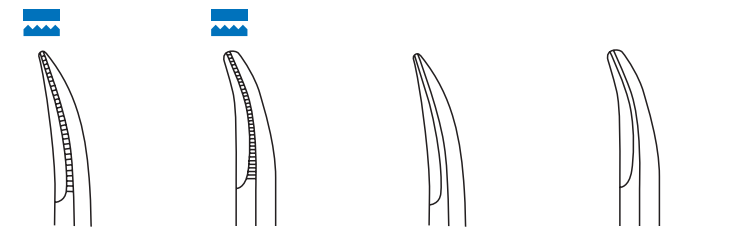


10,5 cm – 4⅛″	10,5 cm – 4⅛″	10,5 cm – 4⅛″	10,5 cm – 4⅛″
14.25.10	**14.25.20**	**14.27.10**	**14.27.20**

Beebee



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



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

Eine Schneide gezahnt
One blade serrated
Una hoja dentada
Une lame dentelée
Una 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

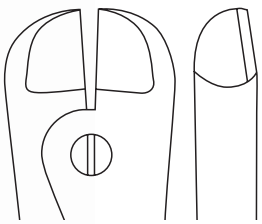
Medicon "HM"

14 cm – 5½″

14.46.14

16 cm – 6¼″

390.70.20

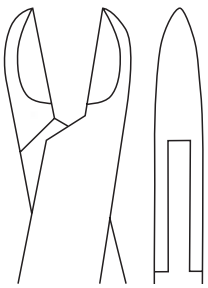


17,5 cm – 7″

14.30.17

“HM”

1,6 mm 2,0 mm



12 cm - 4¾″

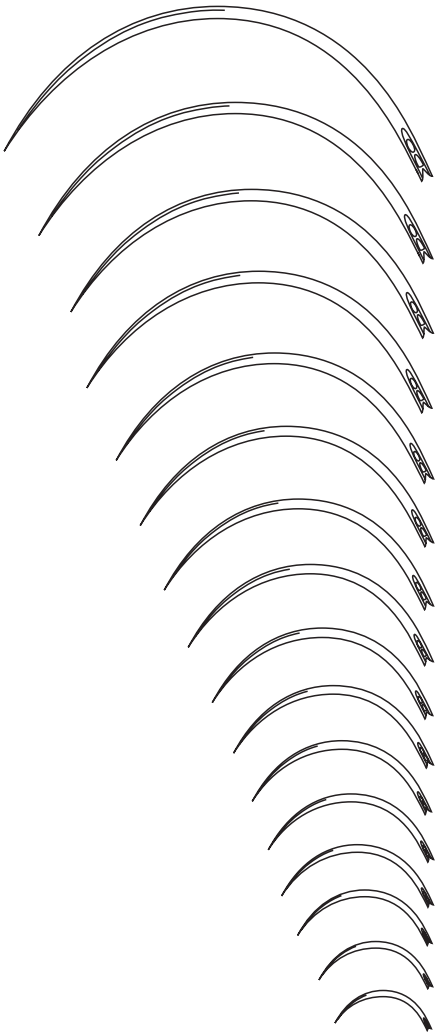
14.30.11

“HM”

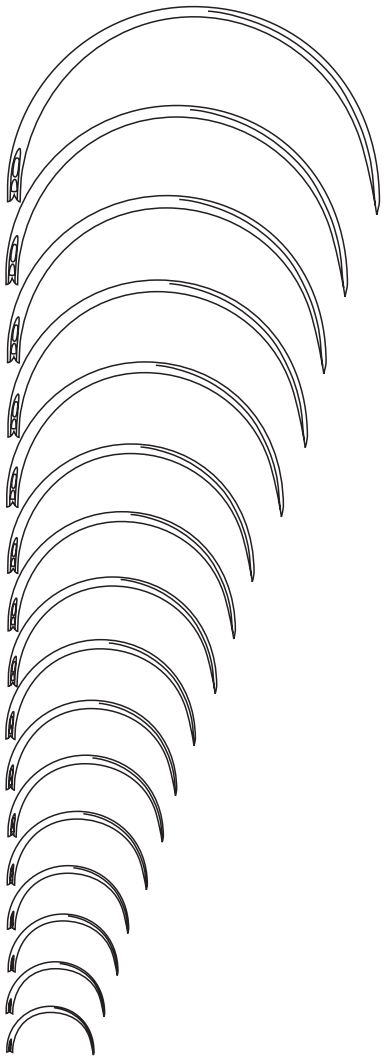
0,6 mm 1,0 mm

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
P 12	P 12



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**

P x Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi

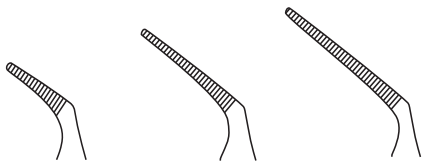
4,5 cm – 1¾″ **15.10.08**

5 cm – 2″ **15.10.12**

5,5 cm – 2⅛″ **15.10.16**

1:1

Diethrich



4,5 cm – 1¾″ **15.11.08**

5 cm – 2″ **15.11.12**

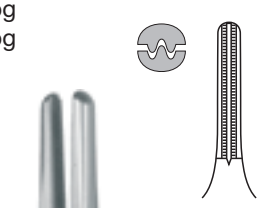
5,5 cm – 2⅛″ **15.11.16**

1:1

Diethrich

50g	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″ **15.16.07**

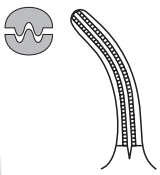
8,5 cm – 3⅜″ **15.16.08**

10,5 cm – 4⅛″ **15.16.10**

12,0 cm – 4¾″ **15.16.12**

1:1

DeBakey “AT”



7,0 cm – 2¾″ **15.17.07**

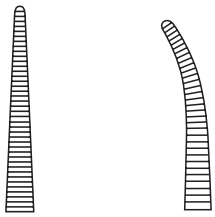
8,0 cm – 3⅛″ **15.17.08**

10,0 cm – 4″ **15.17.10**

11,5 cm – 4½″ **15.17.12**

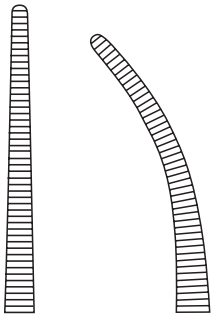
1:1

DeBakey “AT”



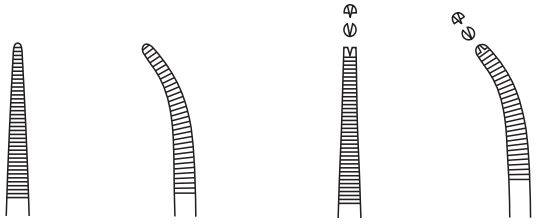
14 cm – 5½″	14 cm – 5½″
15.24.14	**15.25.14**

Crile-Baby



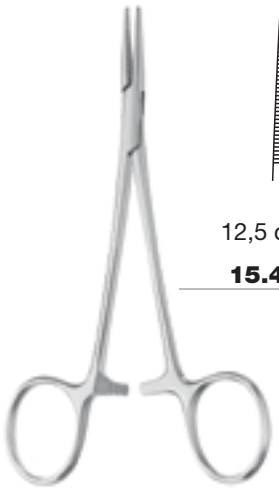
14 cm – 5½″	14 cm – 5½″
15.28.14	**15.29.14**

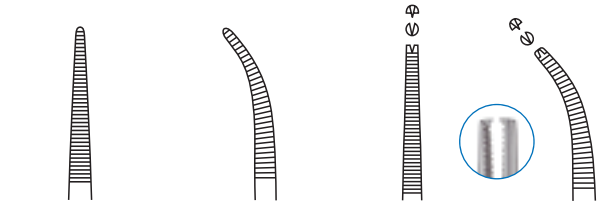
Pean-Baby



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

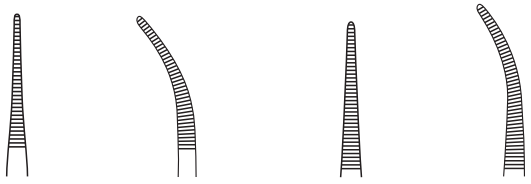
- ultra delicate models
- highest precision
- light weight

- modelos super finos
- máxima precisión
- peso ligero

- modèles superfins
- précision maximum
- poids léger

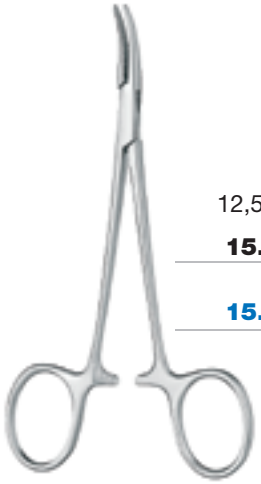
- modelli molto delicati
- alta precisione
- peso minimo

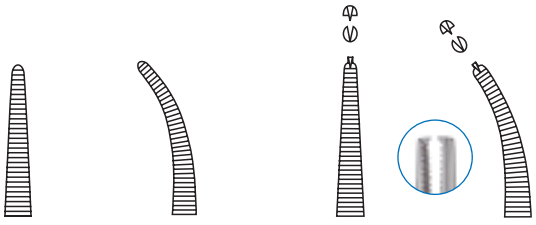
Micro-Halsted



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

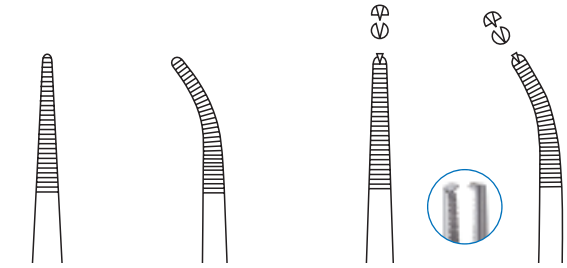




12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″	12,5 cm - 5″
15.44.12	**15.45.12**	**15.46.12**	**15.47.12**
15.44.32	**15.45.32**	**15.46.32**	**15.47.32**

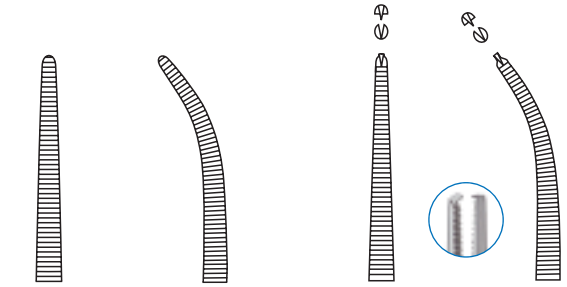
Ti Titanium

Halsted-Mosquito



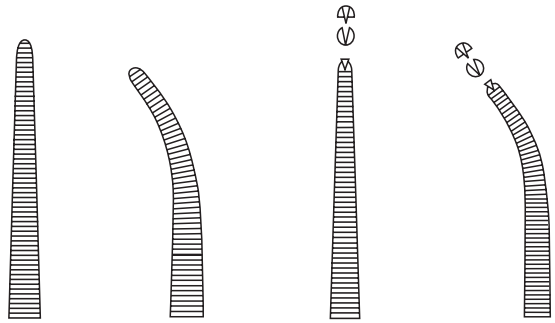
14 cm - 5½″	14 cm - 5½″	14 cm - 5½″	14 cm - 5½″
15.50.14	**15.51.14**	**15.52.14**	**15.53.14**

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**

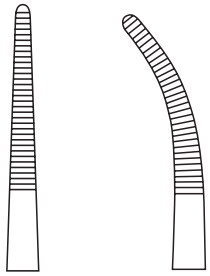
Leriche



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**

Ti Titanium

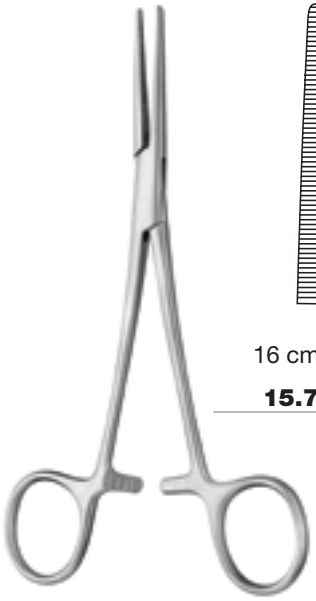
Crile

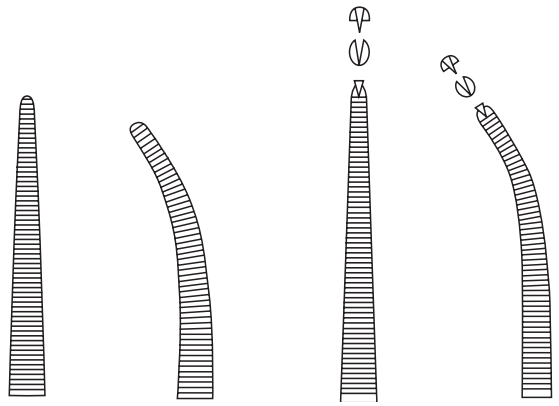


14 cm - 5½″	14 cm - 5½″
15.70.14	**15.71.14**
15.70.34	**15.71.34**

Ti Titanium

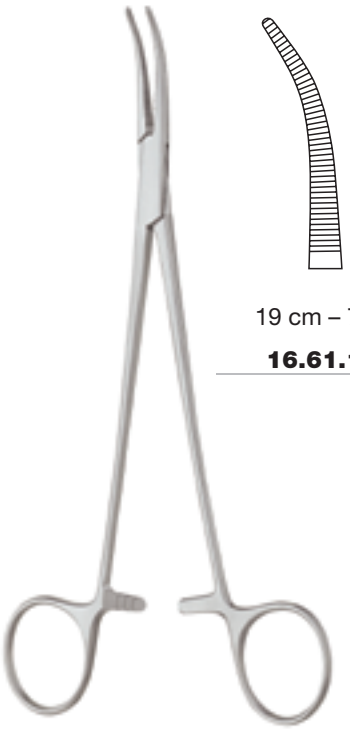
Kelly





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

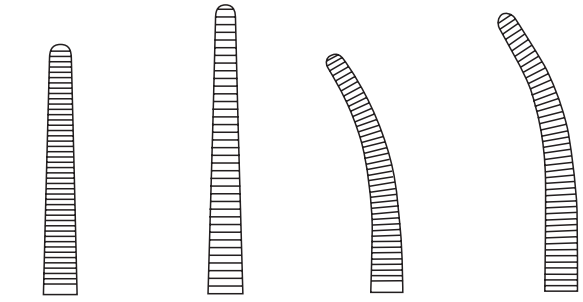
Rankin-Crile



19 cm – 7½″

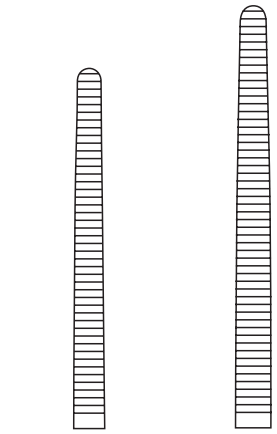
16.61.19

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**

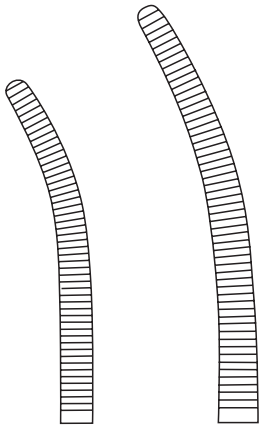
Pean



16 cm – 6¼″ **16.10.16**

18 cm – 7⅛″ **16.10.18**

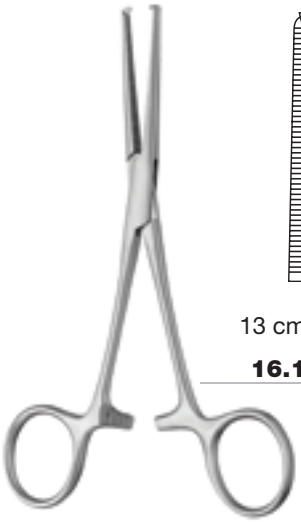
Rochester-Pean

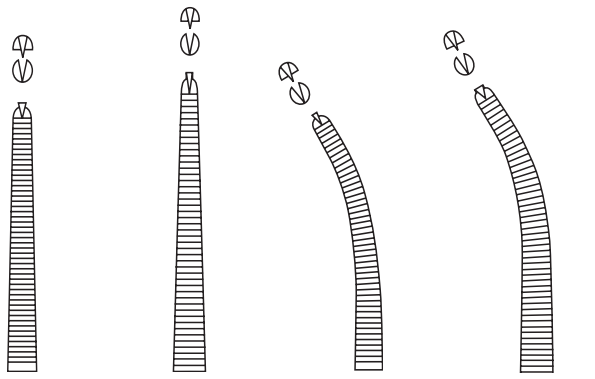


16 cm – 6¼″ **16.11.16**

18 cm – 7⅛″ **16.11.18**

Rochester-Pean





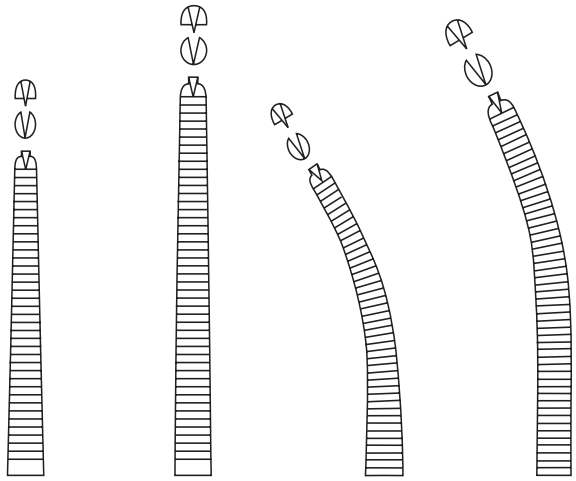
13 cm – 5⅛″ **16.12.13**

14 cm – 5½″ **16.12.14**

13 cm – 5⅛″ **16.13.13**

14 cm – 5½″ **16.13.14**

Kocher



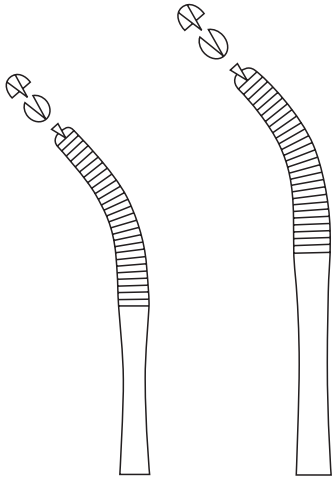
16 cm – 6¼″	18 cm – 7⅛″	16 cm – 6¼″	18 cm – 7⅛″
16.12.16	**16.12.18**	**16.13.16**	**16.13.18**

Rochester-Ochsner

14,5 cm – 5¾″
16.85.14

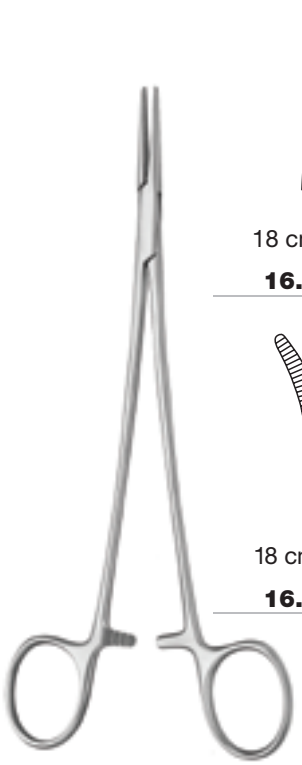
Mikulicz-Baby

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



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

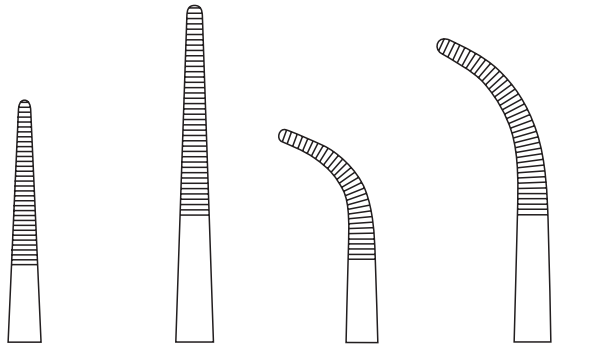
Mikulicz



18 cm – 7⅛″
16.40.18

18 cm – 7⅛″
16.41.18

Halsted (Adson)

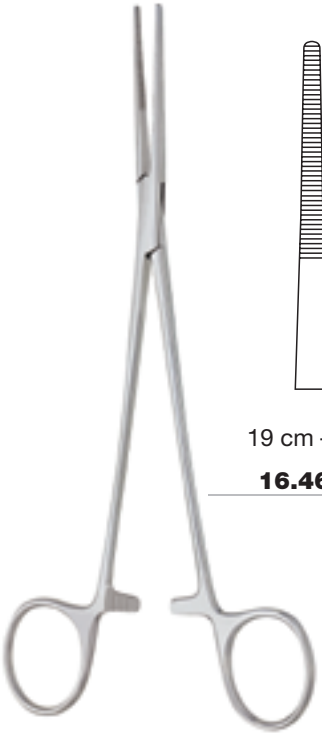


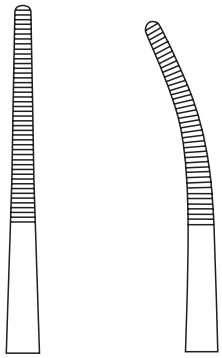
18,5 cm – 7¼″ **16.40.19**
21 cm – 8¼″ **16.40.21**
18,5 cm – 7¼″ **16.41.19**
21 cm – 8¼″ **16.41.21**

Adson

18 cm – 7⅛″ **16.40.88**
18 cm – 7⅛″ **16.41.88**
18 cm – 7⅛″ **16.41.89**

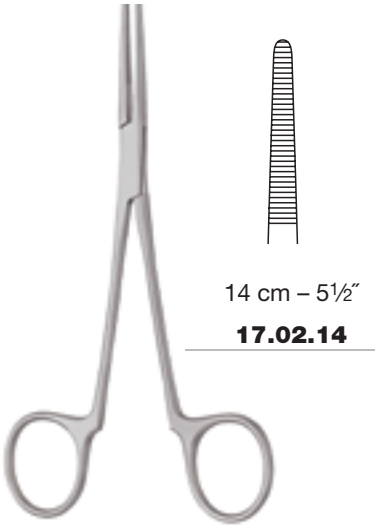
Jacobson-Micro





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″

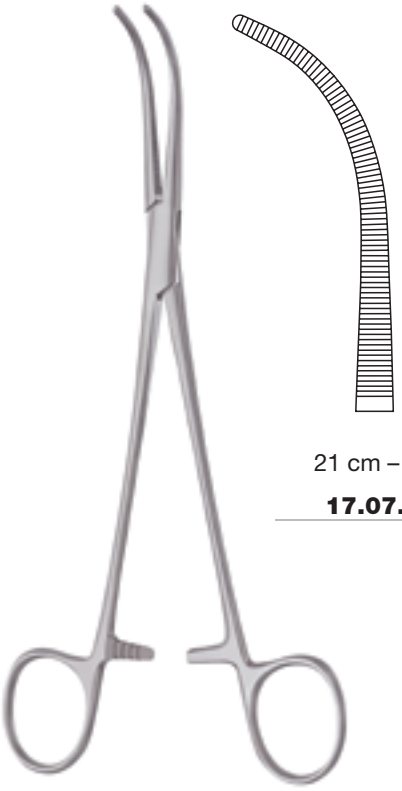
17.06.14 | **17.06.19**

Mixter-Baby

20 cm – 8″

17.07.70

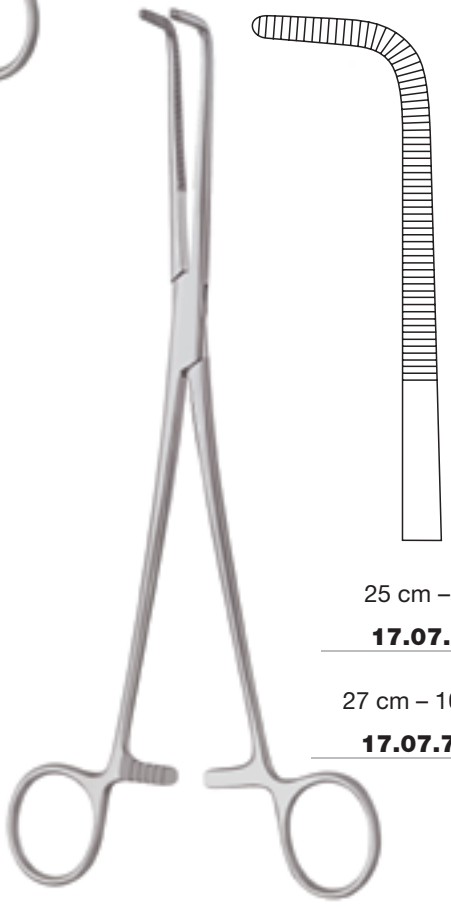
Wikstroem



21 cm – 8¼″

17.07.60

Overholt-Mixter



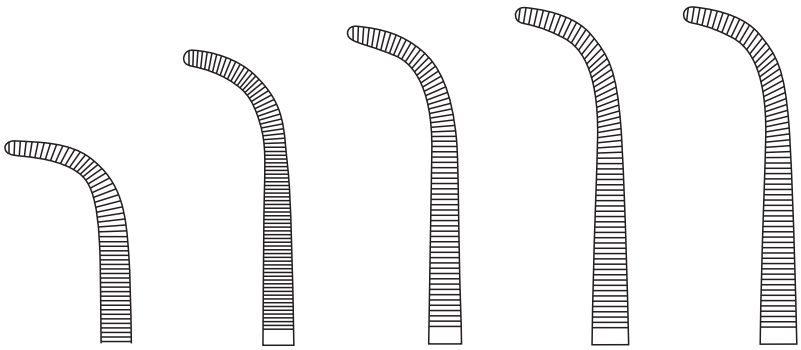
25 cm – 10″

17.07.75

27 cm – 10¼″

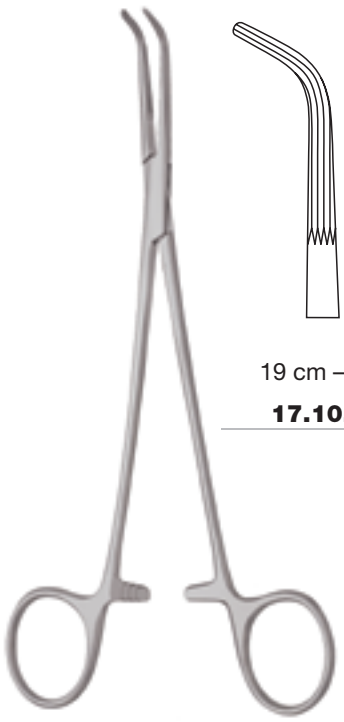
17.07.77

Mixter-Crafoord



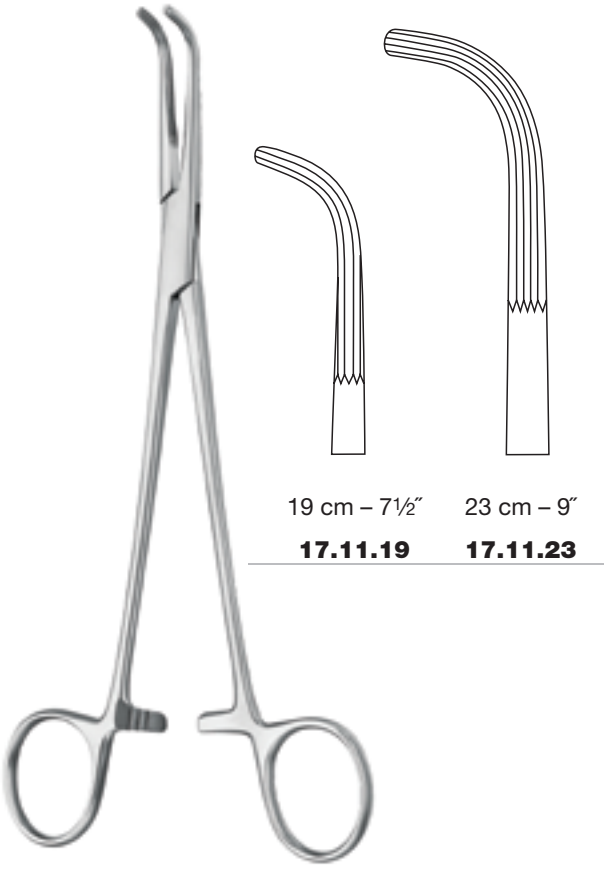
14 cm – 5½″	18 cm – 7⅛″	21 cm – 8¼″	23 cm – 9″	27 cm – 10¾″
17.08.14	**17.08.18**	**17.08.20**	**17.08.23**	**17.08.27**

Gemini



19 cm – 7½″
17.10.19

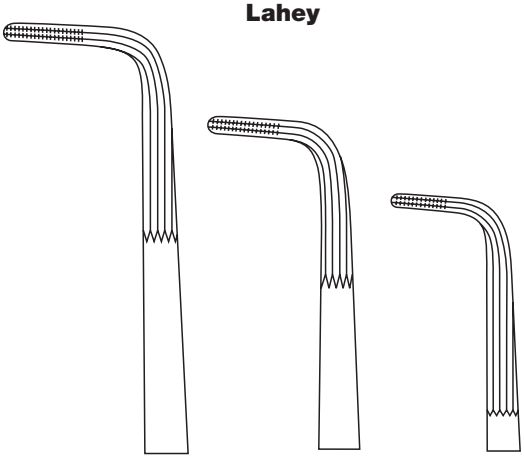
Lahey-Sweet



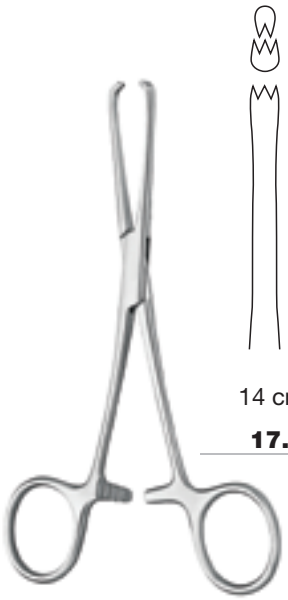
19 cm – 7½″ **17.11.19**
23 cm – 9″ **17.11.23**

Lahey

Mixter

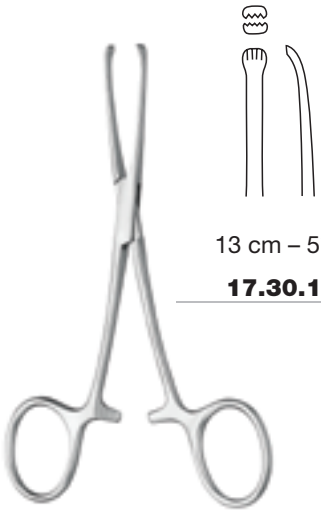


25 cm – 10″ **17.12.25**
22 cm – 8¾″ **17.12.22**
19 cm – 7½″ **17.12.19**
27 cm – 10¾″ **17.12.27**
29 cm – 11⅜″ **17.12.29**



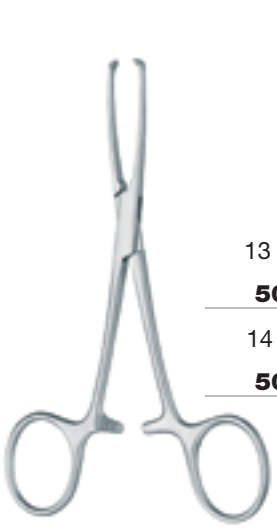
14 cm – 5½″
17.30.14

Chaput



13 cm – 5⅛″
17.30.15

Tuffier

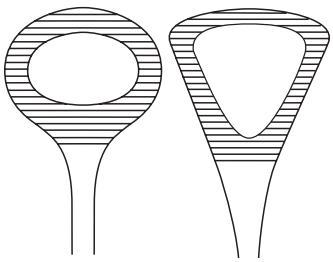


4 × 5 Zähne Teeth Dientes Dents Denti

13 cm – 5⅛″
50.02.13

14 cm – 5½″
50.02.14

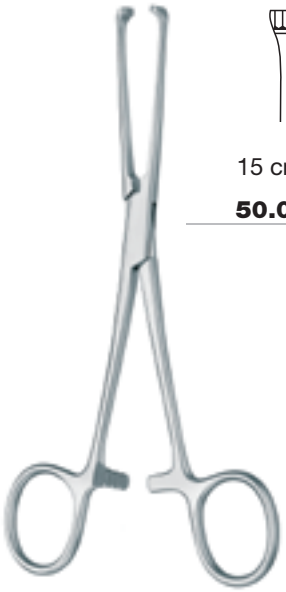
Allis-Baby



16 cm – 6¼″ **17.32.16**

16 cm – 6¼″ **17.32.36**

Collin



4 × 5 Zähne Teeth Dientes Dents Denti 5 × 6

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″

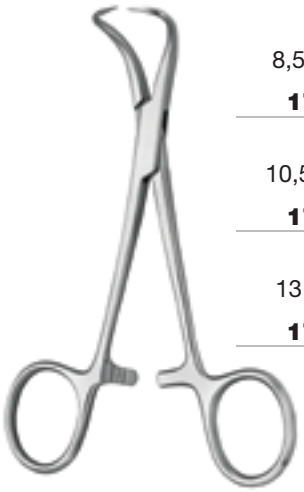
17.50.18

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

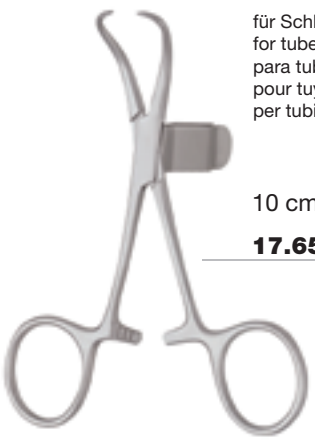
11 cm – 4⅜″
17.55.20

13 cm – 5⅛″
17.55.23

Backhaus

13 cm – 5⅛″
17.57.83

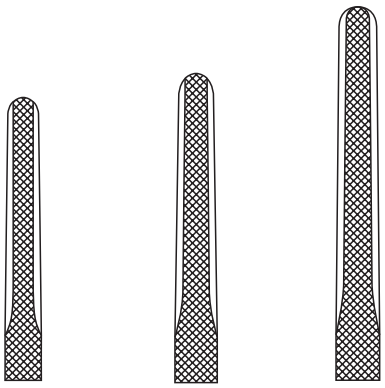
Medicon



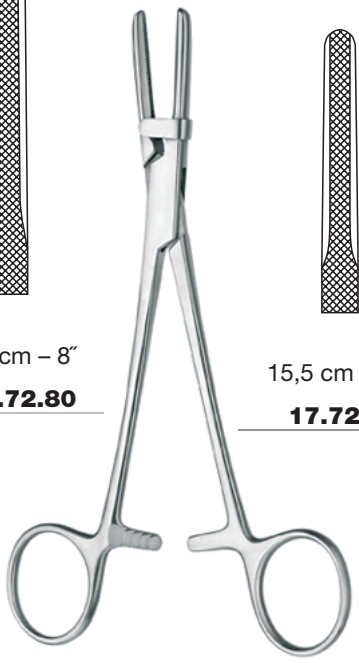
für Schlauch-Ø bis 15 mm
for tubes Ø up to 15 mm
para tubos hasta Ø 15 mm
pour tuyaux jusqu'à Ø 15 mm
per tubi fino a Ø di 15 mm

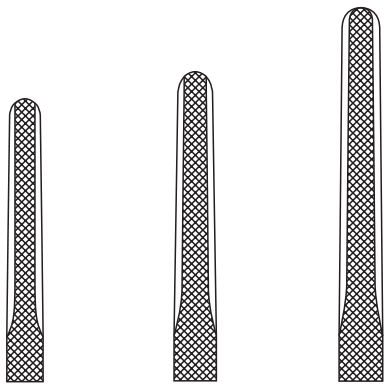
10 cm – 4″
17.65.10

Backhaus

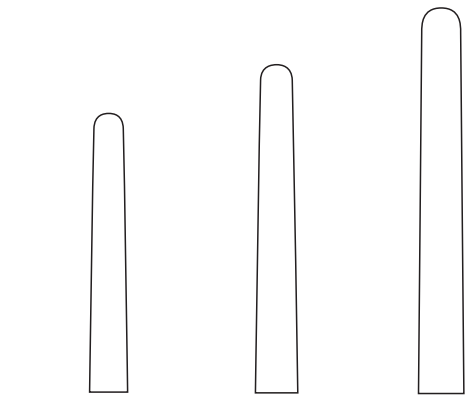


15,5 cm – 6⅛″ **17.72.75**
18 cm – 7⅛″ **17.72.78**
20 cm – 8″ **17.72.80**





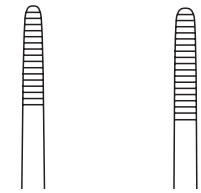
15,5 cm – 6⅛″ **17.72.76**
18 cm – 7⅛″ **17.72.79**
20 cm – 8″ **17.72.81**



16 cm – 6¼″ **17.72.16**
18 cm – 7⅛″ **17.72.18**
20 cm – 8″ **17.72.20**

Presbyterian-Hospital

14,5 cm – 5¾″ **17.73.14**



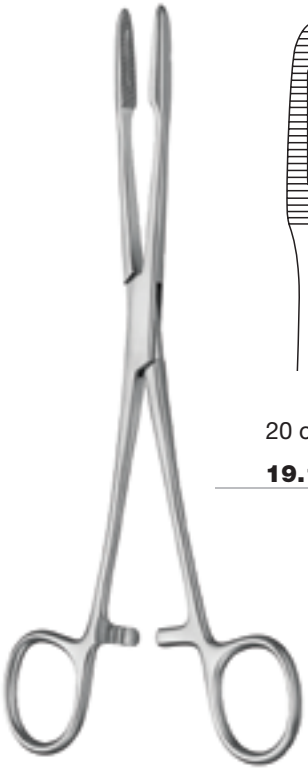
13 cm – 5⅛″ **19.06.13**

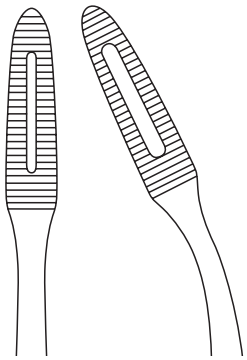
15 cm – 6″ **19.06.15**

18 cm – 7⅛″ **19.06.18**

Lister

17,5 cm – 7″ **19.09.17**

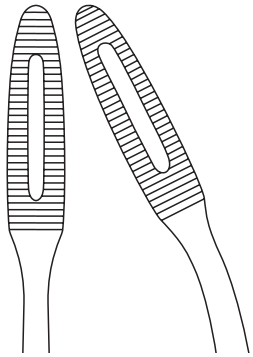




20 cm – 8″ **19.16.20**

20 cm – 8″ **19.17.20**

Gross

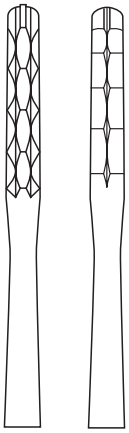


26 cm – 10¼″ **19.16.26**

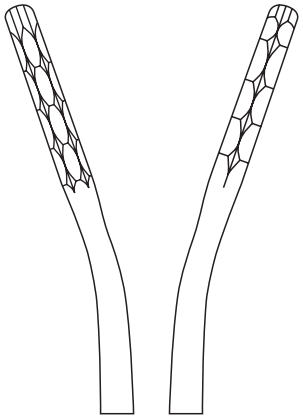
26 cm – 10¼″ **19.17.26**

Maier

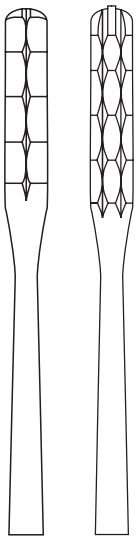
Ulrich



18 cm – 7⅛″
19.40.18



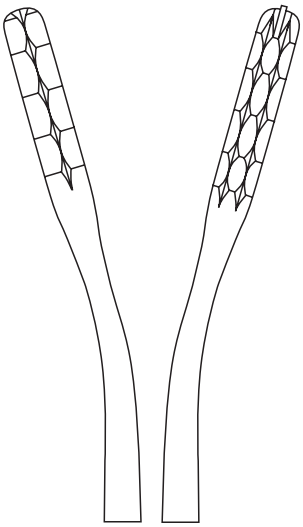
18 cm – 7⅛″
19.41.18



20 cm – 8″
19.40.20

22 cm – 8¾″
19.40.22

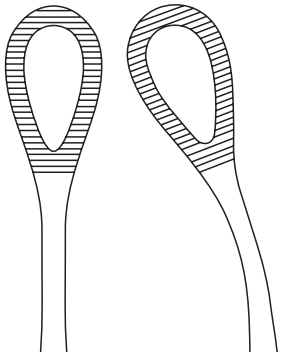
26 cm – 10¼″
19.40.26



20 cm – 8″
19.41.20

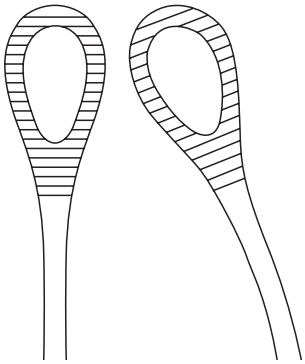
22 cm – 8¾″
19.41.22

26 cm – 10¼″
19.41.26

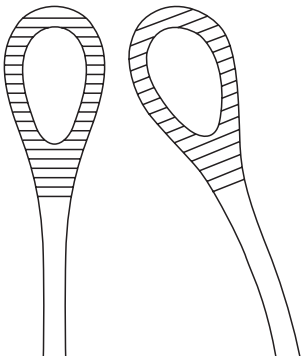


18 cm – 7⅛″	18 cm – 7⅛″
19.50.18	**19.51.18**

Foerster

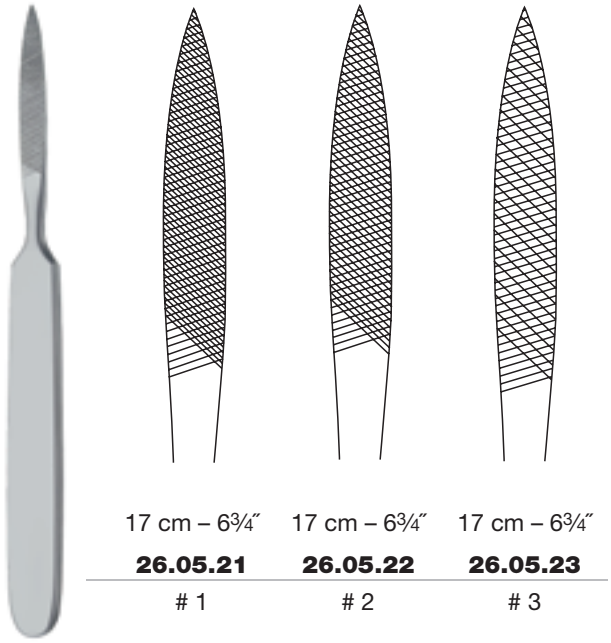


20 cm – 8″	20 cm – 8″
19.50.20	**19.51.20**



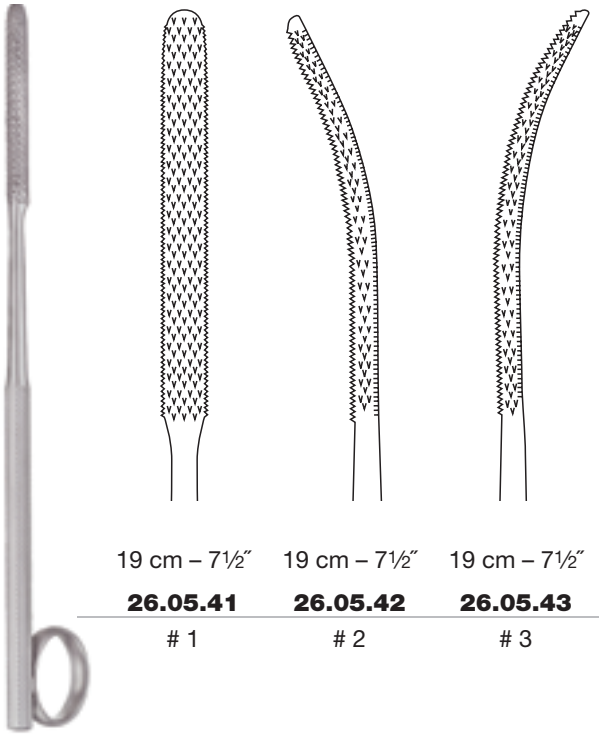
24 cm – 9½″	24 cm – 9½″
19.50.24	**19.51.24**

Foerster



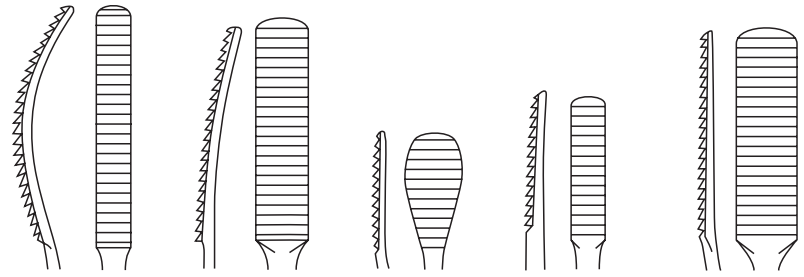
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
26.05.21	**26.05.22**	**26.05.23**
# 1	# 2	# 3

Joseph

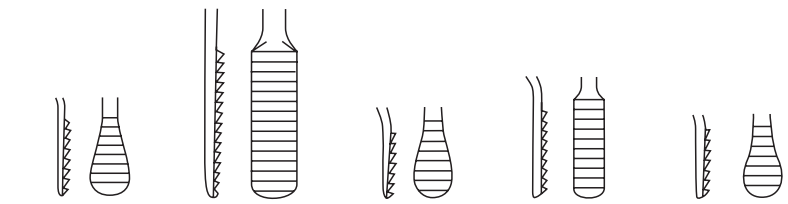


19 cm – 7½″	19 cm – 7½″	19 cm – 7½″
26.05.41	**26.05.42**	**26.05.43**
# 1	# 2	# 3

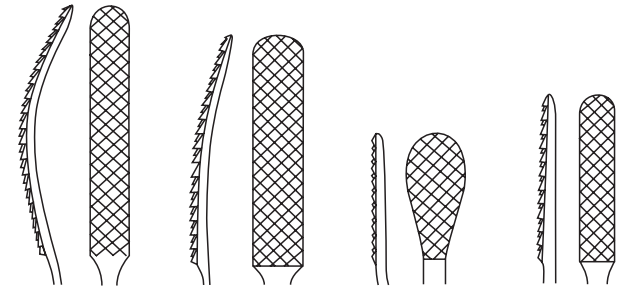
Gallaher



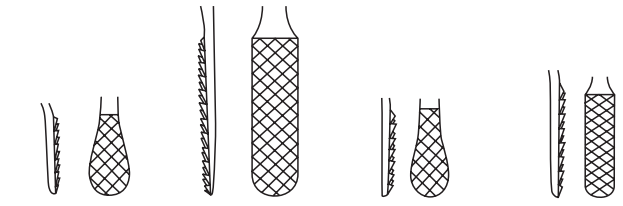
18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″	18 cm – 7⅛″
26.10.10	**26.10.11**	**26.10.12**	**26.10.13**	**26.10.14**
# 10	# 11	# 12	# 13	# 14



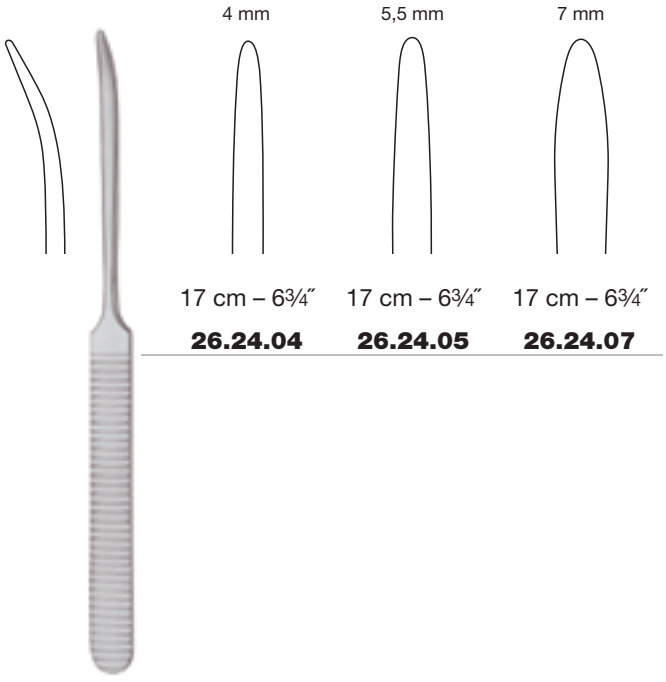
Miller



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



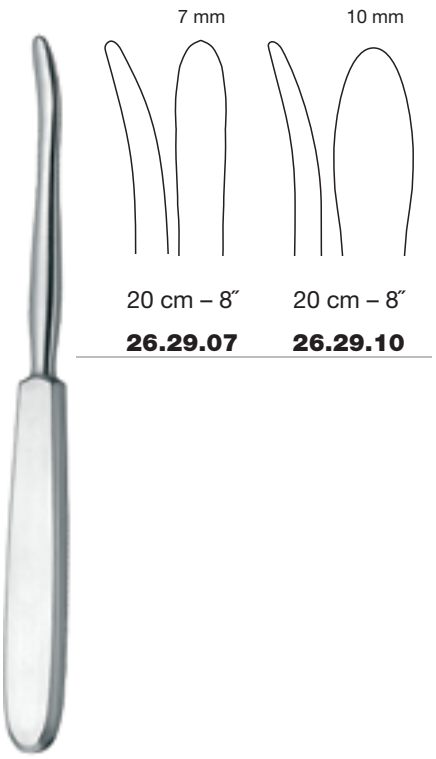
Miller



17 cm – 6¾″ | 17 cm – 6¾″ | 17 cm – 6¾″

26.24.04 | **26.24.05** | **26.24.07**

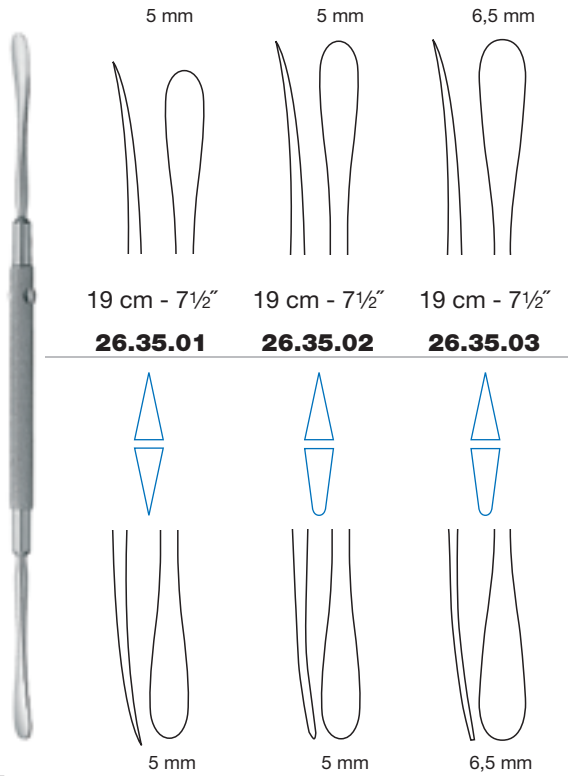
Williger



20 cm – 8″ | 20 cm – 8″

26.29.07 | **26.29.10**

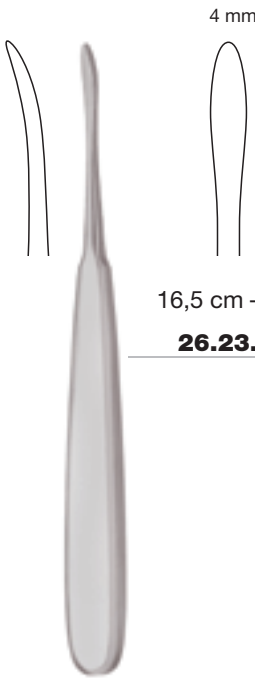
Langenbeck



19 cm - 7½″ | 19 cm - 7½″ | 19 cm - 7½″

26.35.01 | **26.35.02** | **26.35.03**

Freer



16,5 cm – 6½″

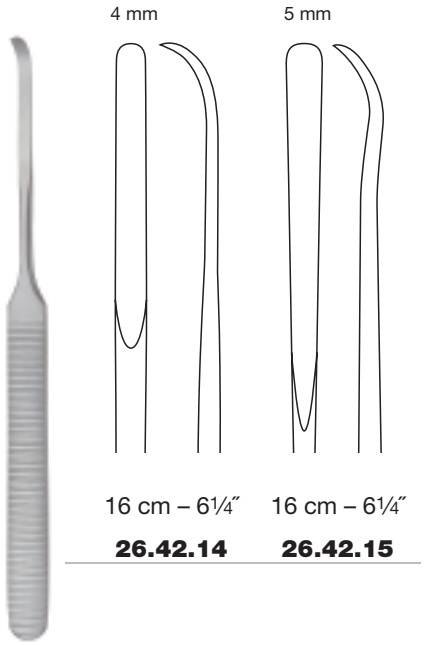
26.23.04

Sebileau

Medicon Instrumente
the art of surgery

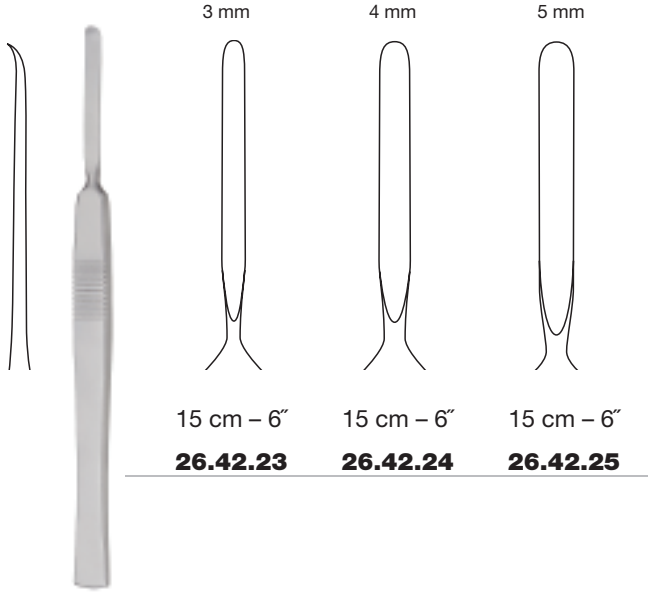
scharf
sharp
cortante
tranchant
tagliente

stumpf
blunt
roma
mousse
smussa



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

Kahre-Williger

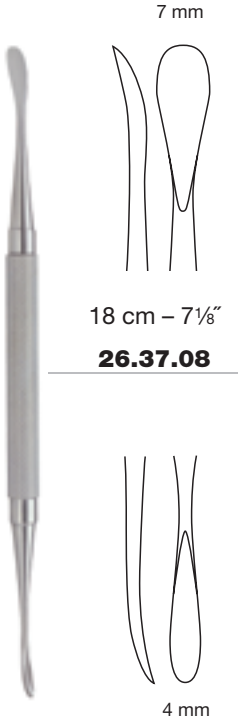


15 cm – 6″ | 15 cm – 6″ | 15 cm – 6″
26.42.23 | **26.42.24** | **26.42.25**

McKenty

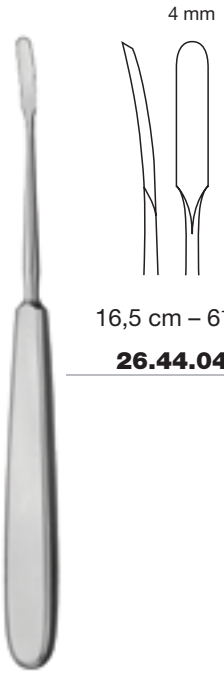
17 cm – 6¾″
26.37.12

Bennet



18 cm – 7⅛″
26.37.08

Stiller

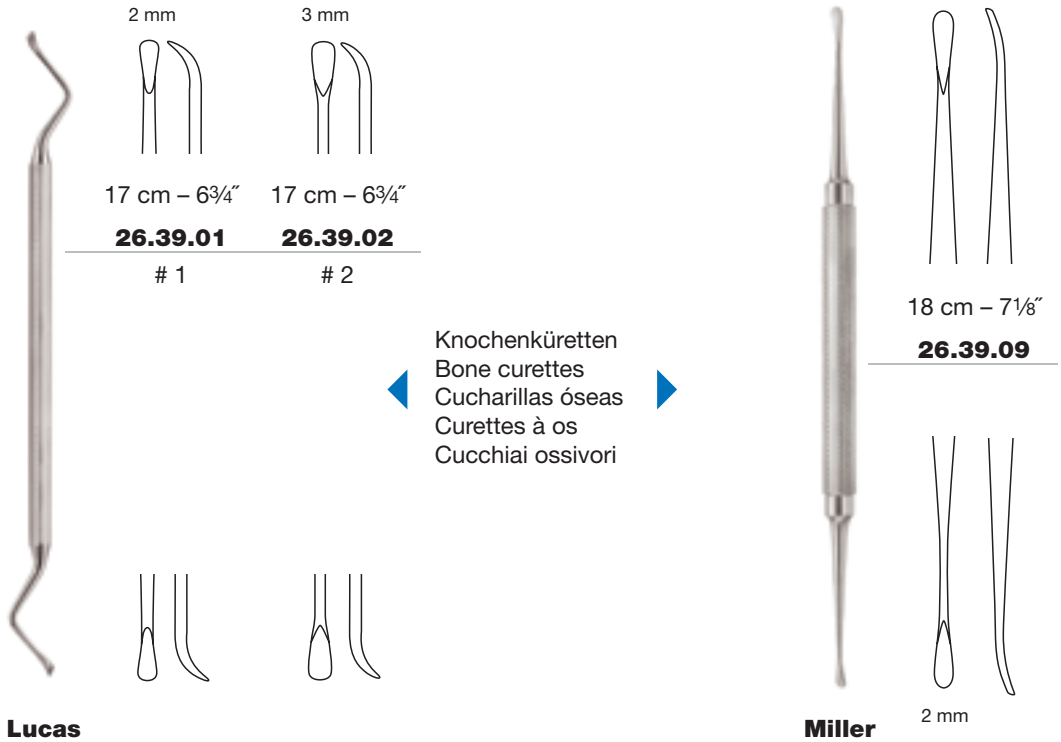


16,5 cm – 6½″
26.44.04

Joseph

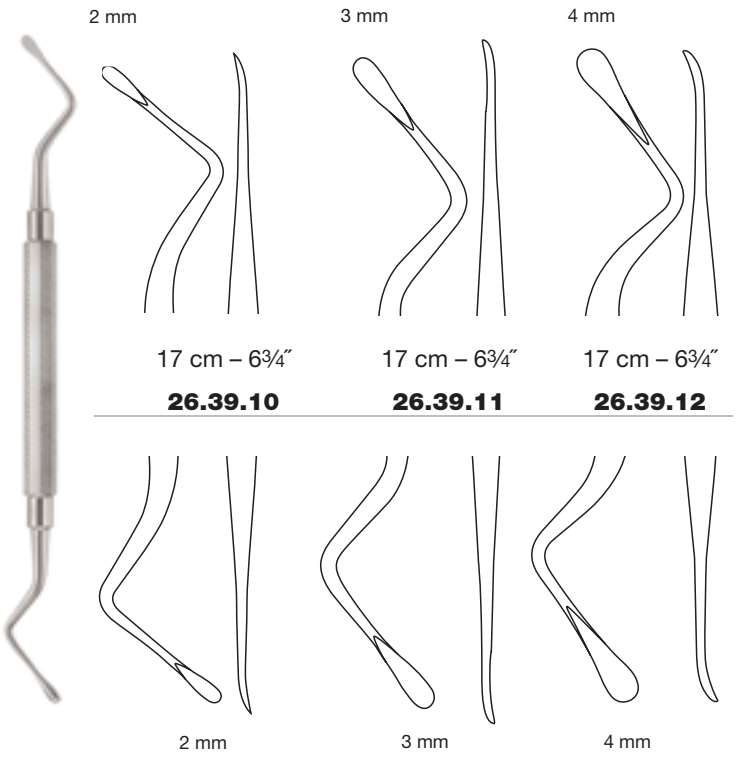
scharf
sharp
cortante
tranchant
tagliente

stumpf
blunt
roma
mousse
smussa



Lucas

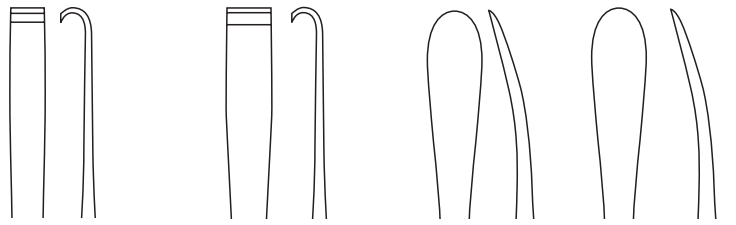
Miller



Miller

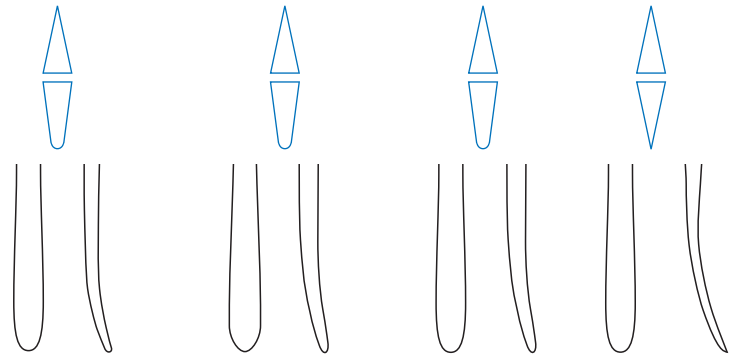
Medicon Instrumente
the art of surgery

5 mm | 6 mm | 7 mm | 7 mm



18 cm – 7⅛″ | 18 cm – 7⅛″ | 18 cm – 7⅛″ | 18 cm – 7⅛″

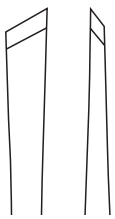
26.37.01 | **26.37.02** | **26.37.03** | **26.37.07**



4 mm | 5 mm | 4 mm | 4 mm

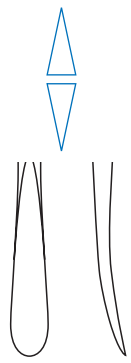
Molt

6 mm



16,5 cm – 6½″

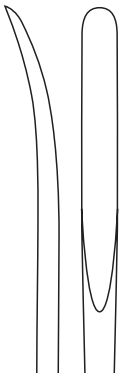
26.37.10



5 mm

Mead

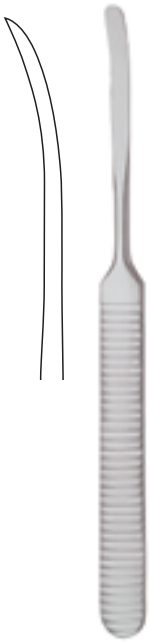
5 mm



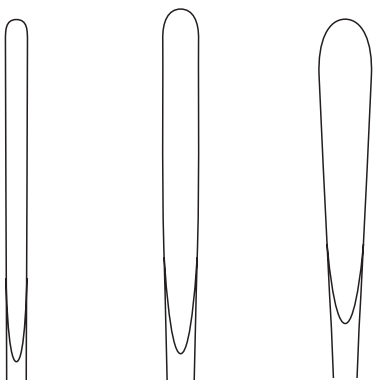
15 cm – 6″

26.40.06

König



3 mm | 5 mm | 7 mm



16 cm – 6¼″ | 16 cm – 6¼″ | 16 cm – 6¼″

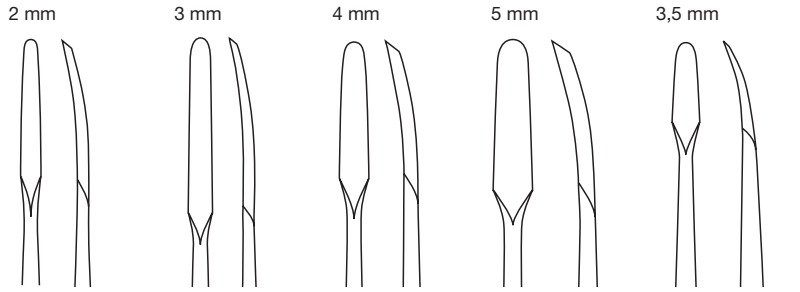
26.42.03 | **26.42.05** | **26.42.07**

Williger

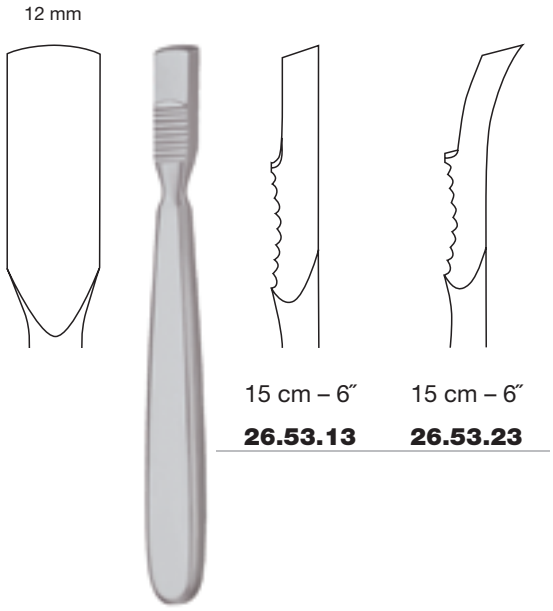
scharf
sharp
cortante
tranchant
tagliente

stumpf
blunt
roma
mousse
smussa

Lempert



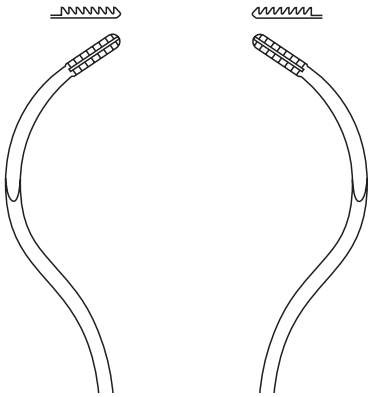
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
26.44.22	**26.44.23**	**26.44.24**	**26.44.25**	**26.44.28**



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

Farabeuf

Kistler



16 cm - 6¼″	16 cm - 6¼″
67.99.98	**67.99.99**

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.

Ø 30 mm

21 cm – 8¼″

27.04.22

220 g

mit Kunststoffbacken
(abschraubbar)

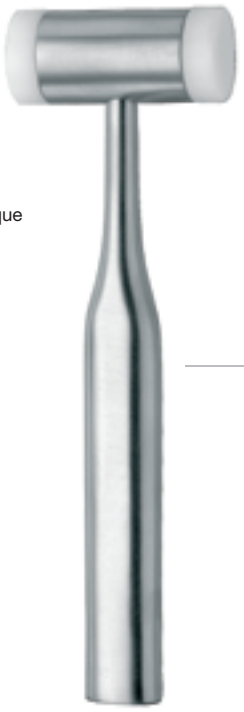
with plastic facings
(unscrewable)

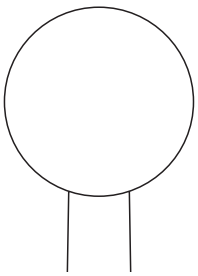
con frentes de plástico
(destornillables)

avec joues en matière plastique
(dévissables)

con guancie di plastica
(svitabili)

Ø 25 mm





18,5 cm - 7¼″

27.06.20

200 g

27.06.21
Ersatzbacken, Paar
Spare facings, pair
Frentes de repuesto, par
Joues de rechange, paire
Guancie di ricambio, paio

Collin (Lucae)

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 massiccio	bleigefüllt lead filled head relleno de plomo rempli de plomb pieno di piombo

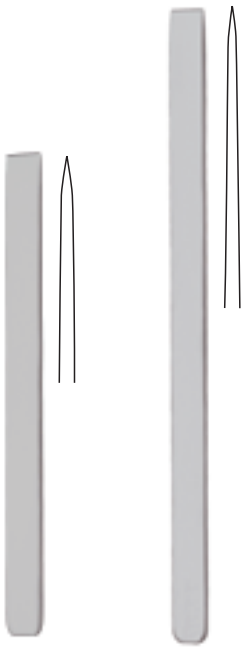
Ø 26 mm

21 cm – 8¼″

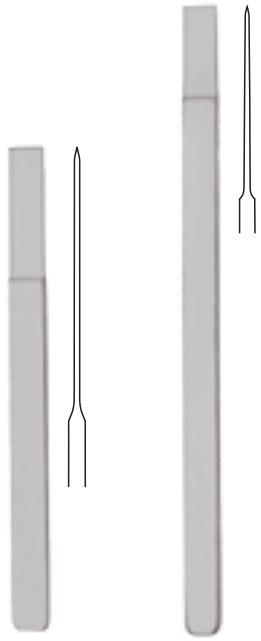
27.04.20

200 g

Hajek



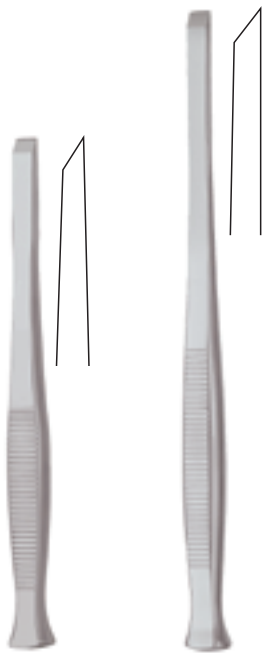
Mini-Lambotte



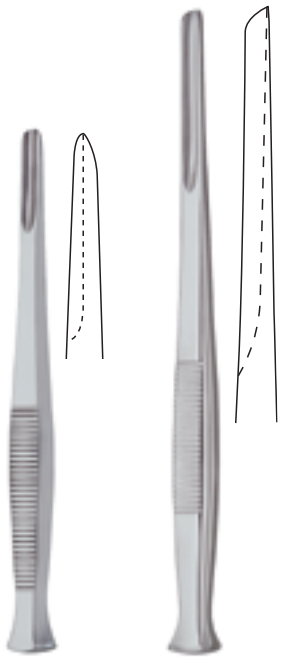
Hardt-Delima

	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

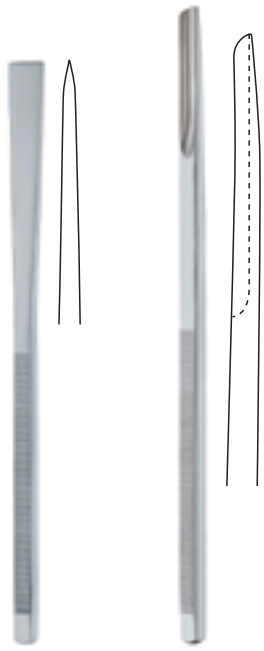


Partsch



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″ **27.80.10**
17 cm – 6¾″ **27.80.11**
17 cm – 6¾″ **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 ○ 16 cm – 6¼″ **27.95.03**
Ø 5 mm ○ 16 cm – 6¼″ **27.95.05**
Ø 7 mm ○ 16 cm – 6¼″ **27.95.07**
Ø 9 mm ○ 16 cm – 6¼″ **27.95.09**

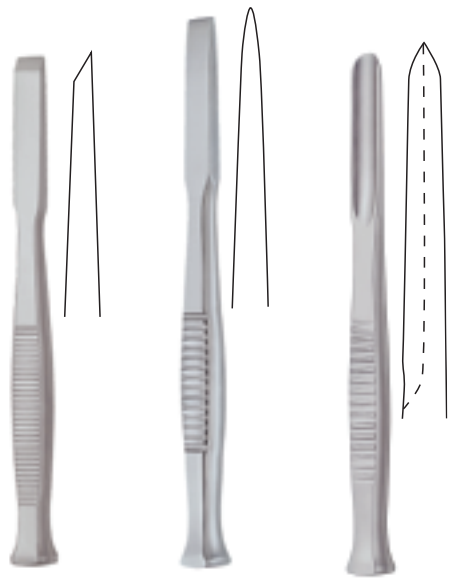
Ø 12 mm
20 cm – 8″ **27.95.20**

Ø 14 mm
20 cm – 8″ **27.95.21**

Ø 16 mm
20 cm – 8″ **27.95.22**

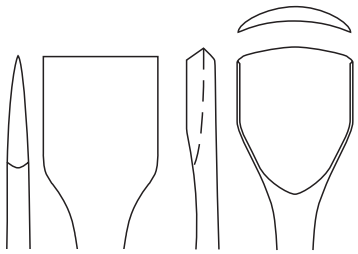
Caspar

Kunststoffgriff (autoklavierbar bis 134 °C bei 3 bar)
Plastic handle (autoclavable up to 134 °C at 3 bar)
Mango de material plástica (autoclavable hasta 134 °C bajo presión de 3 bar)
Manche en matière plastique (autoclavable à 134 °C sous pression de 3 bars)
Manico di plastica (autoclavabile fino a 134 °C sotto pressione di 3 bar)



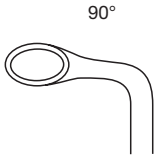
	14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
3 mm		**28.05.03**	**28.06.03**
4 mm	**28.04.04**	**28.05.04**	**28.06.04**
5 mm		**28.05.05**	**28.06.05**
6 mm	**28.04.06**	**28.05.06**	**28.06.06**
8 mm	**28.04.08**	**28.05.08**	**28.06.08**
10 mm	**28.04.10**	**28.05.10**	**28.06.10**
12 mm	**28.04.12**	**28.05.12**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

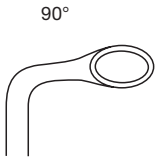
Mini-Lexer



	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**

Kunststoffgriff auch in PROPYLUX erhältlich
Plastic handle also available in PROPYLUX
Mango de plástica está disponible también en PROPYLUX
Manche en matière plastique est également disponible en matière PROPYLUX
Manico di plastica è disponibile anche in PROPYLUX

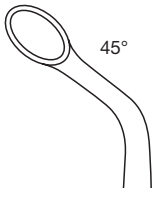


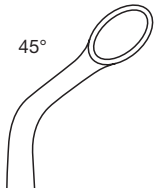


16 cm – 6¼″ **29.18.05**

16 cm – 6¼″ **29.18.06**

Siebenmann





17 cm – 6¾″ **29.18.07**

17 cm – 6¾″ **29.18.08**

Uffenorde

20 cm – 8″ **29.68.42** # 00

20 cm – 8″ **29.68.50** # 0

20 cm – 8″ **29.68.51** # 1

20 cm – 8″ **29.68.52** # 2

Daubenspeck

Volkmann

# 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**

Bruns

# 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**

Williger

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

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

Lempert

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

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

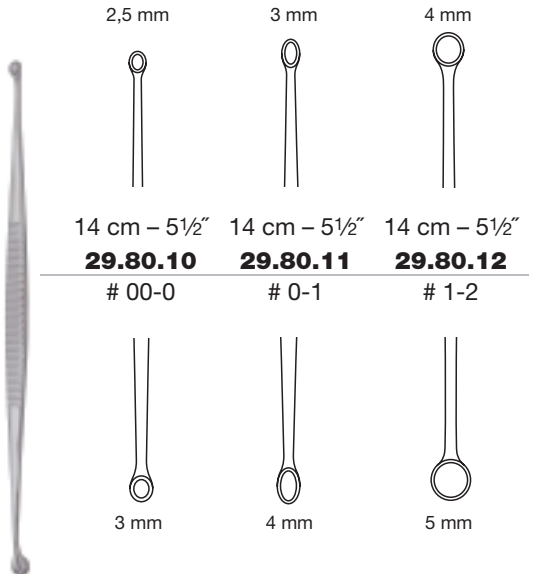
3,0 mm	3,3 mm
21 cm – 8¼″	21 cm – 8¼″
29.67.51	**29.67.52**
# 1	# 2

biegsam
malleable
maleable
malléable
malleabile

Halle

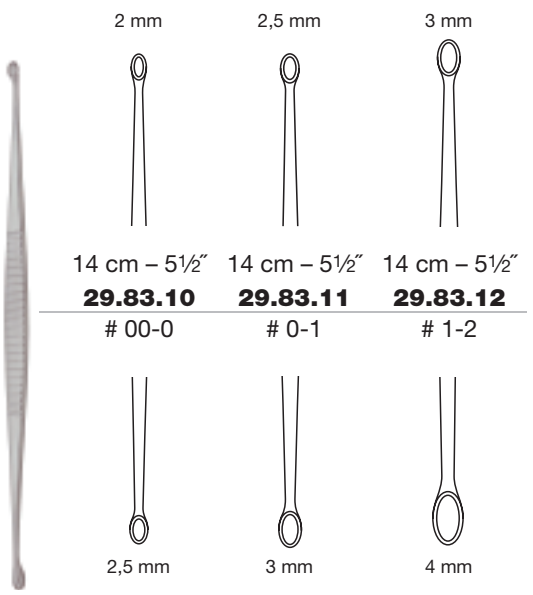
4 mm	5 mm
21 cm – 8¼″	21 cm – 8¼″
29.69.51	**29.69.52**
# 1	# 2

6 mm
21 cm – 8¼″
29.69.53
3



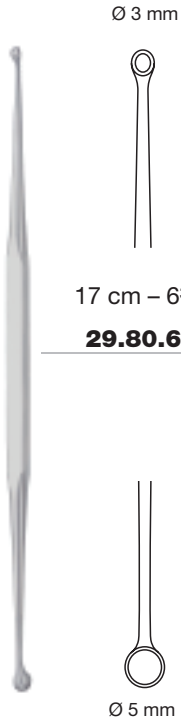
14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
29.80.10	**29.80.11**	**29.80.12**
# 00-0	# 0-1	# 1-2

Martini



14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
29.83.10	**29.83.11**	**29.83.12**
# 00-0	# 0-1	# 1-2

Williger



Jansen

14 cm – 5½″

30.05.14

Friedmann

14 cm – 5½″

30.07.14

14 cm – 5½″

30.07.15

14 cm – 5½″

30.17.14

1

17 cm – 6¾″

30.17.17

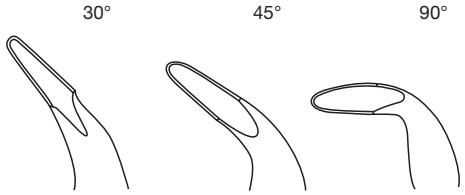
1A

Mead

16 cm – 6¼″

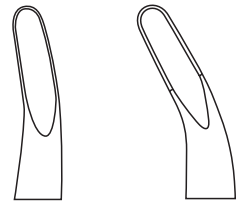
30.38.56

Hartmann



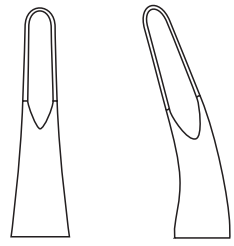
16 cm – 6¼″	16 cm – 6¼″	16 cm – 6¼″
30.25.30	**30.25.45**	**30.25.90**

Blumenthal



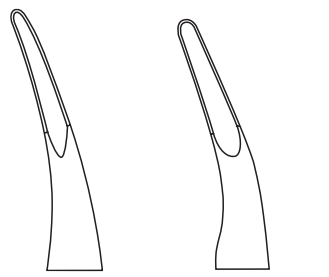
15 cm – 6″	15 cm – 6″
30.30.15	**30.30.35**

Luer



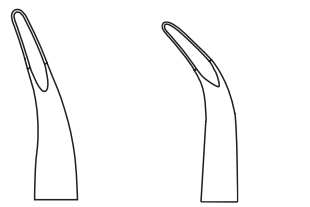
17 cm – 6¾″	17 cm – 6¾″
30.50.18	**30.51.18**

Jansen



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

Beyer



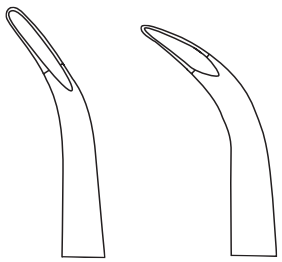
14 cm – 5½″ **30.76.13**

14 cm – 5½″ **30.76.14**

Kleinert-Kutz

19 cm – 7½″ **30.79.19**

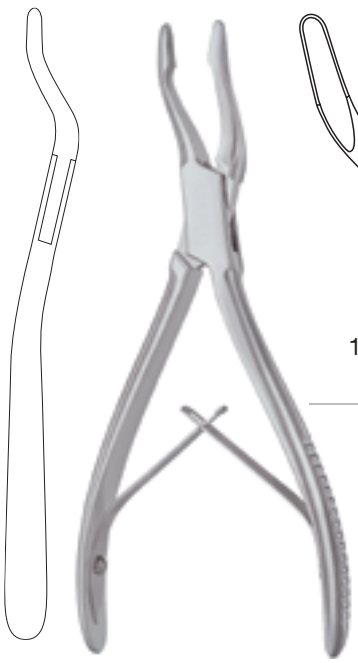
Defourmentel

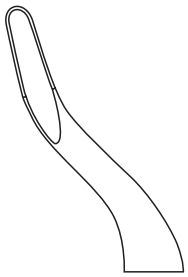


17 cm – 6¾″ **30.76.17**

17 cm – 6¾″ **30.76.18**

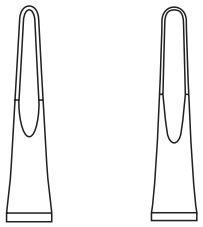
Stellbrink





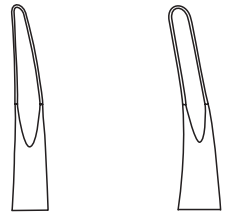
17 cm – 6¾″ **30.79.59**

Jansen



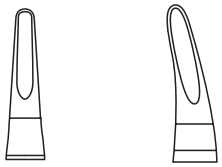
15 cm – 6″	15 cm – 6″
31.04.02	**31.04.03**

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″

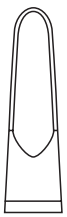
31.11.04

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″

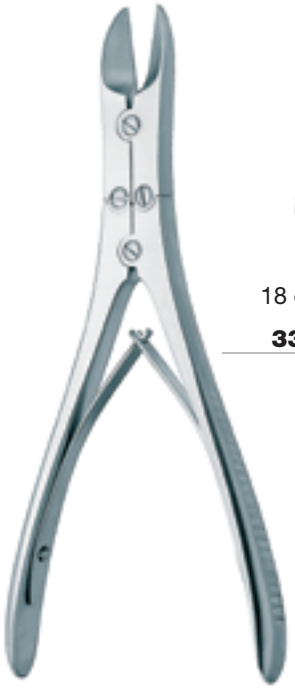
33.02.15

Littauer

18 cm – 7⅛″

33.04.18

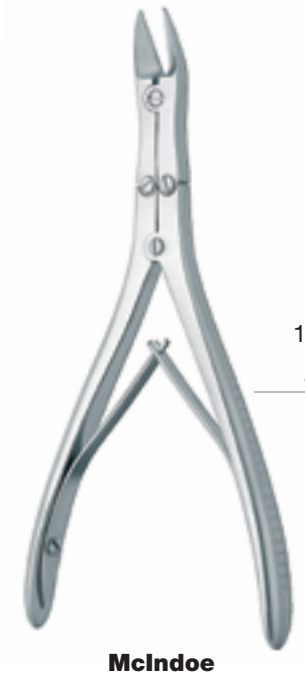
Cottle-Kazanjian



18 cm – 7⅛″ **33.56.18**

18 cm – 7⅛″ **33.57.18**

Ruskin-Liston



18 cm – 7⅛″

33.59.17

McIndoe

Liston-mini

15 cm – 6″
33.50.15

15 cm – 6″
33.51.15

Liston

14 cm – 5½″
33.20.14

17 cm – 6¾″
33.20.17

19 cm – 7½″
33.20.19

22 cm – 8¾″
33.20.22

Liston

14 cm – 5½″
33.21.14

17 cm – 6¾″
33.21.17

19 cm – 7½″
33.21.19

22 cm – 8¾″
33.21.22

Stahllineale, rostfrei
Rulers, stainless steel
Reglas de acero, inoxidable
Règles en acier inoxydable
Righe in acciaio, inossidabile

graduiert in mm und Zoll
graduated in mm and inches
graduado en mm y pulgadas
graduée en mm et pouces
graduate in mm 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:
Etendue de mesure:
Campo di misura:
40 mm

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 (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	
44.51.11	1	Otoskopaufsatz Otoscope head Otoscopio sobrepuesto Embout d'otoscope Testa per otoscopio	
44.51.26	1	Ophthalmoskopaufsatz Ophthalmoscope head Oftalmoscópio sobrepuesto Embout d'ophtalmoscope Testa per oftalmoscopio	
44.51.64	1	Nasenspekulum Nasal speculum Espéculo nasal Spéculum nasal Specolo nasale	
44.51.14	1	Operationslinse Operation lens Lente quirúrgica Lentille chirurgicale Lente chirurgica	
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

Optionales Zubehör (Einmalohrtrichter und Batterie) siehe Seite 171.
Optional accessories (disposable ear specula and battery) see page 171.
Accessorios opcionales (espéculos auriculares desechables y pila) vea página 171.
Accessoires optionnels (spéculums auriculaires à usage unique et pile) voyez page 171.
Accessori opzionali (specoli auricolari monouso e pila) vedete pagina 171.

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 (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
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 Testa 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 testa 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

Optionales Zubehör (Einmalohrtrichter und Batterie) siehe Seite 171.
Optional accessories (disposable ear specula and battery) see page 171.
Accessorios opcionales (espéculos auriculares desechables y pila) vea página 171.
Accessories optionnels (spéculums auriculaires à usage unique et pile) voyez page 171.
Accessori opzionali (specoli auricolari monouso e pila) vedete pagina 171.

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	1	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
44.51.26	1	Ophthalmoskopaufsatz Ophthalmoscope head Oftalmoscópio sobrepuesto Embout d'ophtalmoscope Testa per oftalmoscopio
44.50.28	1	Lupe Magnifying glass Lupa Loupe Lente

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	1	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
44.51.11	1	Otoskopaufsatz Otoscope head Otoscopio sobrepuesto Embout d'otoscope Testa per otoscopio
44.51.14	1	Operationslinse Operation lens Lente quirúrgica Lentille chirurgicale Lente chirurgica
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

Optionales Zubehör (Einmalohrtrichter und Batterie) siehe Seite 171.
Optional accessories (disposable ear specula and battery) see page 171.
Accessorios opcionales (espéculos auriculares desechables y pila) vea página 171.
Accessoires optionnels (spéculums auriculaires à usage unique et pile) voyez page 171.
Accessori opzionali (specoli auricolari monouso e pila) vedete pagina 171.

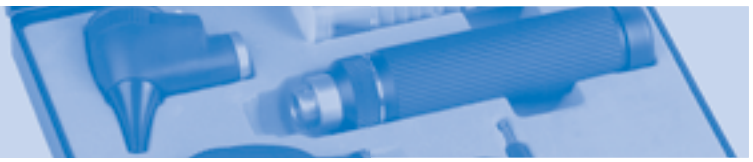
44.51.42

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	1	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
44.51.11	1	Otoskopaufsatz Otoscope head Otoscopio sobrepuesto Embout d'otoscope Testa per otoscopio
44.51.26	1	Ophthalmoskopaufsatz Ophthalmoscope head Oftalmoscópio sobrepuesto Embout d'ophtalmoscope Testa per oftalmoscopio
44.51.14	1	Operationslinse Operation lens Lente quirúrgica Lentille chirurgicale Lente chirurgica
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

Optionales Zubehör
Optional accessories
Accesorios opcionales
Accessoires optionnels
Accessori opzionali



Einmalohrtrichter Disposable ear specula Espéculos auriculares desechables Spéculums auriculaires à usage unique Specoli auricolari monouso		**44.51.15** (Ø 2,5 mm) P 100 **44.51.16** (Ø 4,0 mm) P 100
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)

P x Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi

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

Abbildungen 1:3
Illustrations 1:3
Ilustraciones 1:3
Illustrations 1:3
Illustrazioni 1:3

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**

Steckernetzteil mit Anschlusskabel und Schalter, umschaltbar 4V / 6V.
Power supply unit with connecting cord and switch, switchable 4V / 6V.
Fuente de alimentación con cable de conexión y interruptor, conmutable de 4V / 6V.
Bloc d'alimentation avec câble de raccordement et interrupteur, cummuter de 4V / 6V.
Alimentatore di cavo di collegamento ed interruttore, commutare di 4V / 6V.

44.86.65

1:3

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

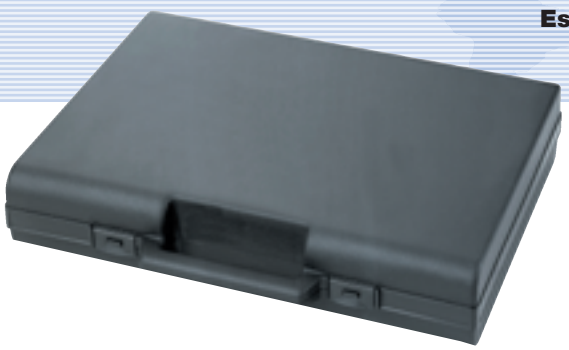
230 Volt	120 Volt
44.62.60 Ø 55 mm	**44.62.61** Ø 55 mm
44.62.50 Ø 100 mm	**44.62.51** Ø 100 mm

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 alogene, complete 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, complète 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 e 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 e 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
Optional accessories
Accesorios opcionales
Accessoires optionnels
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. Transformator 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 transformateur Fascia frontale di plastica, regolabile, con specchio frontale di CLAR e lampada frontale alogena, incluso il 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 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

Das Mikro-Motorensystem für den Einsatz in der kleinen Knochenchirurgie finden sie in unserem Sonderprospekt SERVOTRONIC II EC 100.
You will find the micro-motorsystem for use in minor bone surgery in our special brochure SERVOTRONIC II EC 100.
El sistema de micromotor para la aplicación en la cirugía de huesos pequeños se encuentran nuestro folleto especial SERVOTRONIC II EC 100.
Vous trouverez le système micromoteur pour applications en petite chirurgie osseuse dans notre prospectus spécial SERVOTRONIC II EC 100.
Il sistema a micromotore per l'utilizzo nella microchirurgia ossea li troverete nel depliant speciale SERVOTRONIC II EC 100.

44.75.20

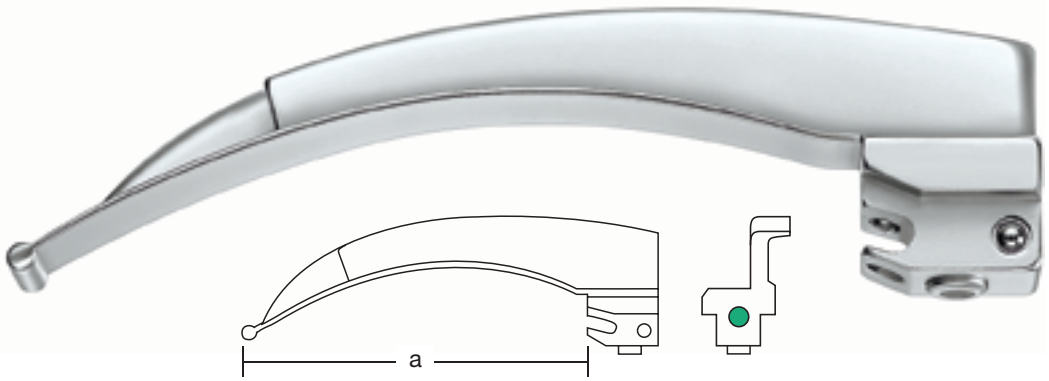
LED-Stirnlampe mit Batterie **LED head light with battery** **LED lámpara frontal con pila** **DEL lampe frontale avec pile** **LED lampada frontale con batteria**
Einhandverstellung Adjustable by one hand Regulación a través de una sola mano Réglage par une main Regolabile con una sola mano
Stirnband 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 imbottita
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**

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

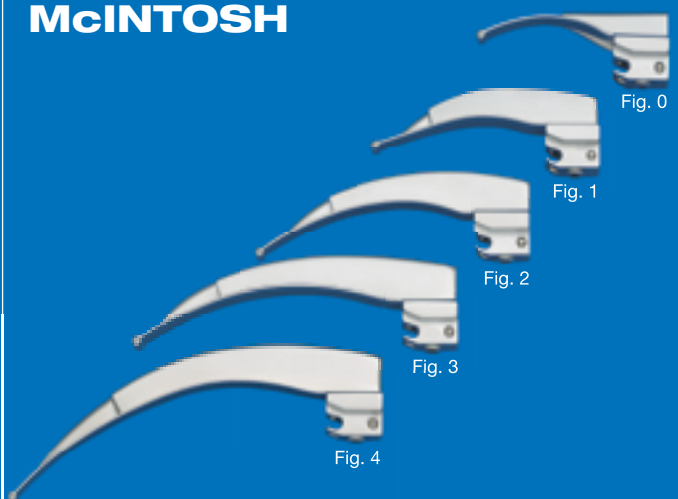


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

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 por: / Composé 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 por: / Composé de: / Composto da:	LED 45.15.56	LED 45.15.57
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	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
Lampe / Lamp / Lámpara / Lampe / Lampadina	Leuchtdiode / Light-emitting diode / Diodo luminoso / Diode électroluminescente / Diodo luminescente	
Ersatzlampe / Replacement lamp / Lámpara de repuesto / Lampe de rechange / Lampadina di ricambio	- - -	- - -

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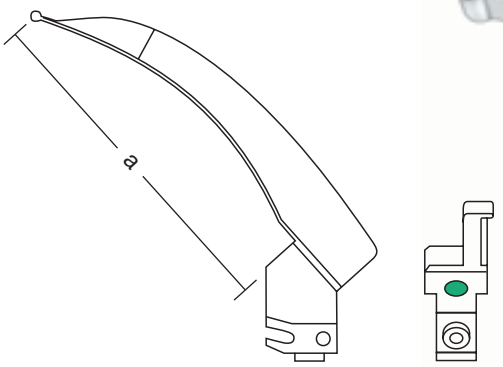
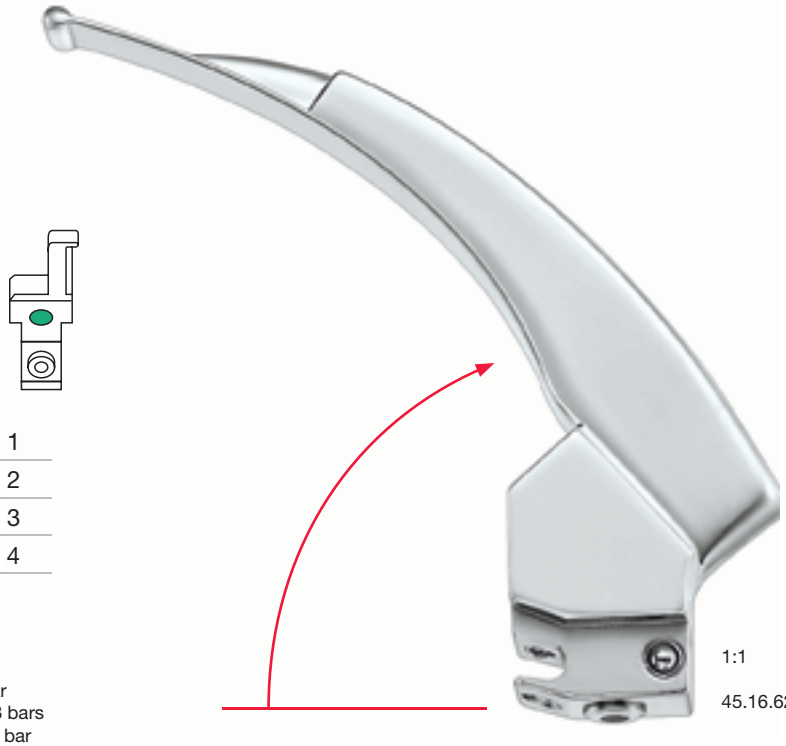
McINTOSH

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

McINTOSH

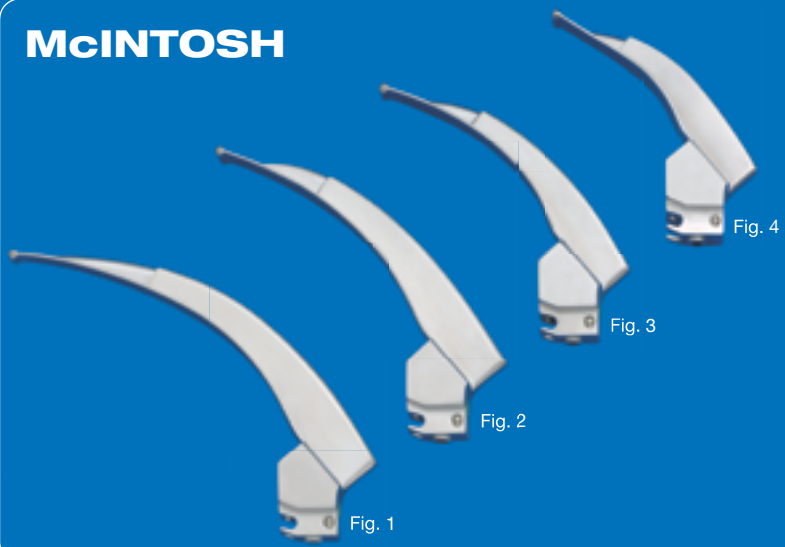


Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene (klein) Adults (small) Adultos (pequeño) Adultes (petit) Adulti (piccolo)
Fig. 4	Erwachsene (mittel) Adults (medium) Adultos (mediano) Adultes (moyen) Adulti (medio)

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 da:	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 da:	LED 45.16.56	LED 45.16.57
Lampe / Lamp / Lámpara / Lampe / Lampadina	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
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	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	- - -	- - -

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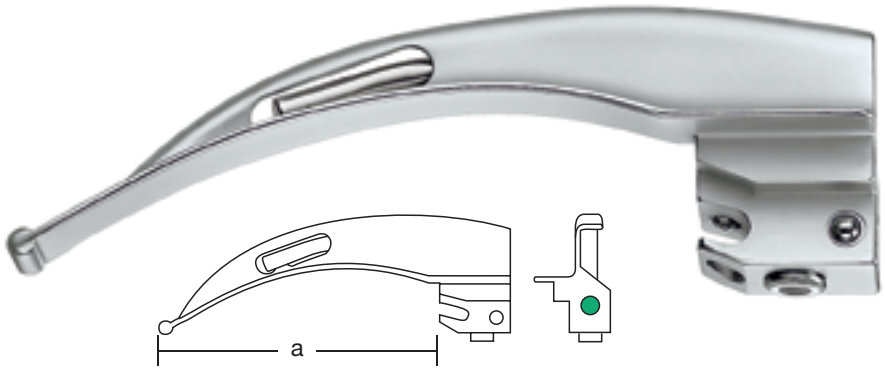
McINTOSH

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

McINTOSH

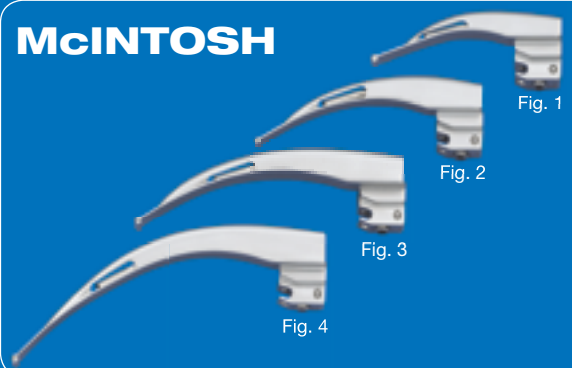


Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

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:	LED 45.17.56	LED 45.17.57
Lampe / Lamp / Lámpara / Lampe / Lampadina	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
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	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	- - -	- - -

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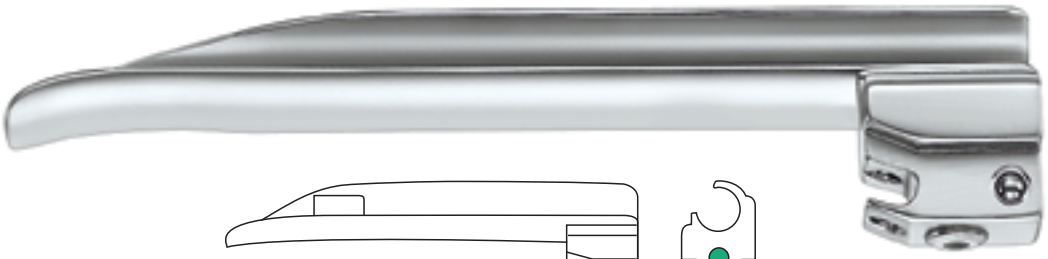
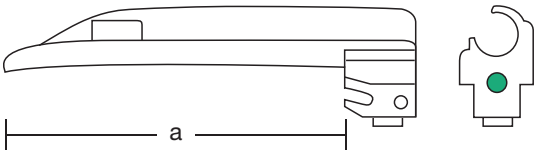
FOREGGER

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

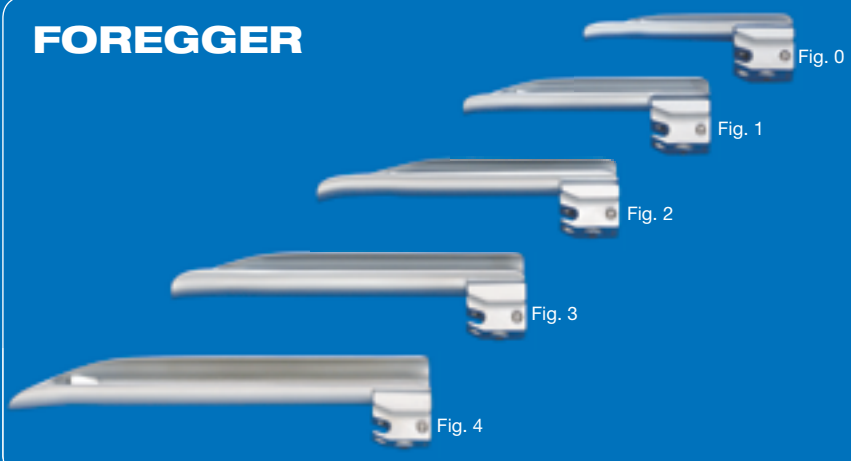


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

FOREGGER

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 da:	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 da:	LED 45.25.56	LED 45.25.57
Lampe / Lamp / Lámpara / Lampe / Lampadina	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
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	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	- - -	- - -

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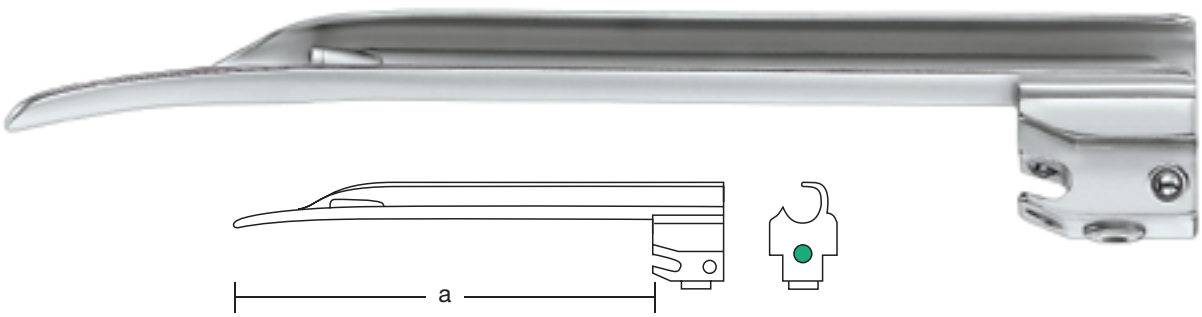
MILLER

Spatel
Blades
Espátulas
Spatules
Lame

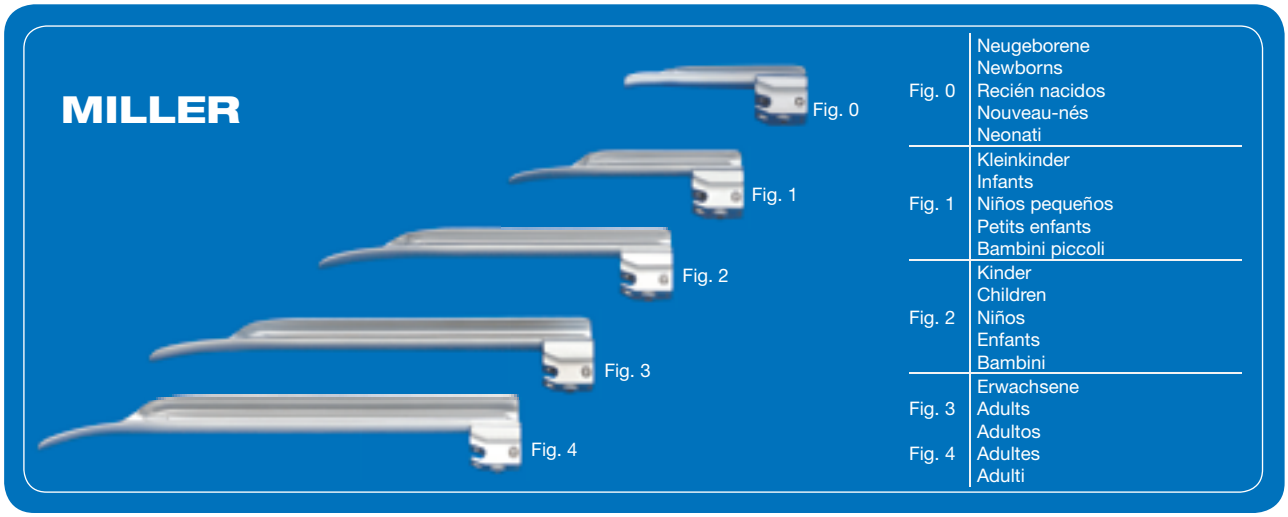


1:1

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



medicon instrumente
the art of surgery

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 da:	**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 da:	**LED 45.28.56**	**LED 45.28.57**
Lampe / Lamp / Lámpara / Lampe / Lampadina	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
Standardgriff mit / Standard handle with / Mango estándar con / Manche standard avec / Manico standard con	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	- - -	- - -

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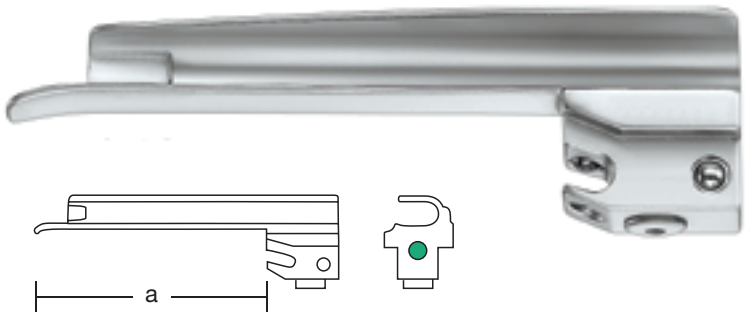
Pädiatrie-Spatel
Pediatric blades
Espátulas de pediátricos
Spatules de pédiatriques
Lame per pediatria



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

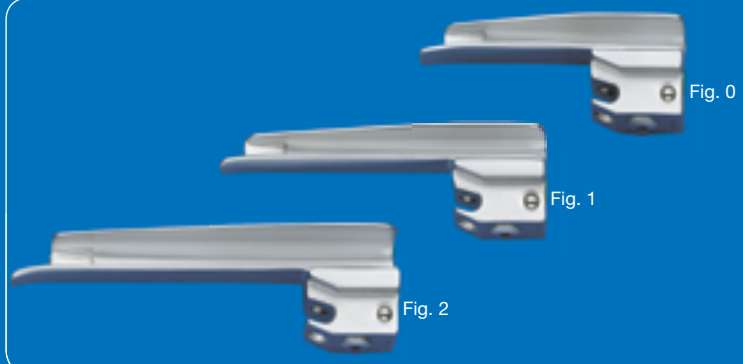


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini

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 da:	**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 da:	**LED** **45.29.56**
Lampe **Lamp** **Lámpara** **Lampe** **Lampadina**	Leuchtdiode Light-emitting diode Diodo luminoso Diode électroluminescente Diodo luminescente
Spatel **Blades** **Espátulas** **Spatules** **Lame**	**3** Fig. 0, 1, 2
Standardgriff mit **Standard handle with** **Mango estándar con** **Manche standard avec** **Manico standard con**	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**	- - -

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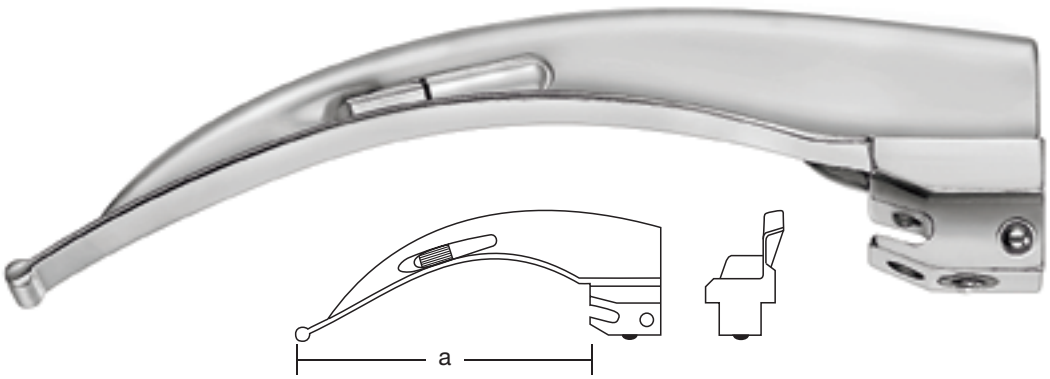
McINTOSH

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

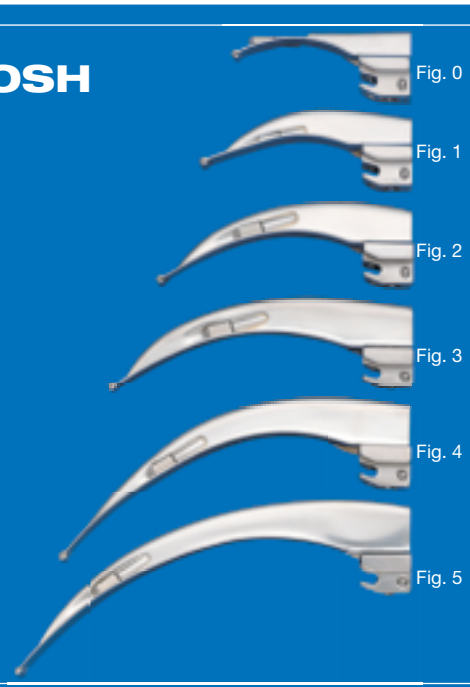


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene (groß) Adults (large)
Fig. 4	Adultos (grande) Adultes (large)
Fig. 5	Adulti (grande)

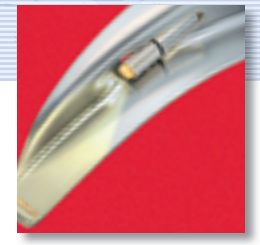
McINTOSH

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 da:**	**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	

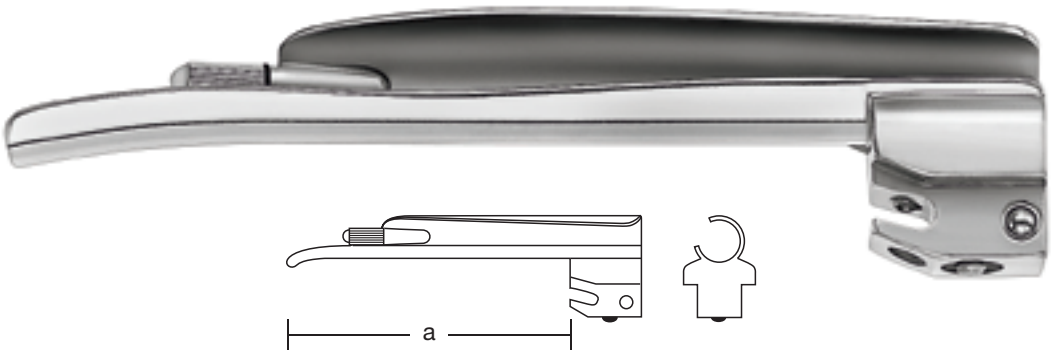
Ersatzlampen für: **Replacement lamps for:** **Lámparas de repuesto para:** **Lampes de rechange pour:** **Lampadine di ricambio per:**	45.01.10 45.01.11	45.01.12 45.01.13 45.01.14 45.01.15
Verpackungseinheit 6 Stück Packing unit 6 pieces Paquete de 6 unidades Emballage de 6 pièces Confezione da 6 pezzi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

Zubehör siehe Seite 201-203.
Accessories see page 201-203.
Accessorios vea página 201-203.
Accessoires voyez page 201-203.
Accessori vedete pagina 201-203.



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)

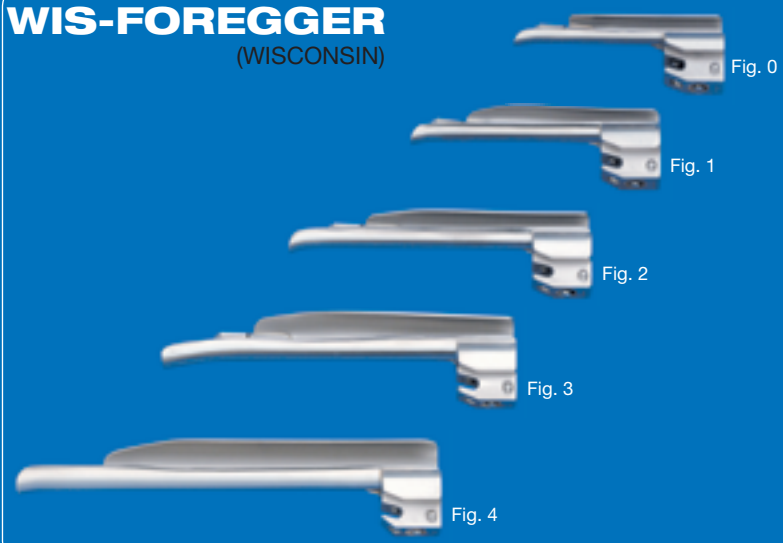


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos
Fig. 4	Adultes Adulti

medicon Instrumente
the art of surgery

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 da:	**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	

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**

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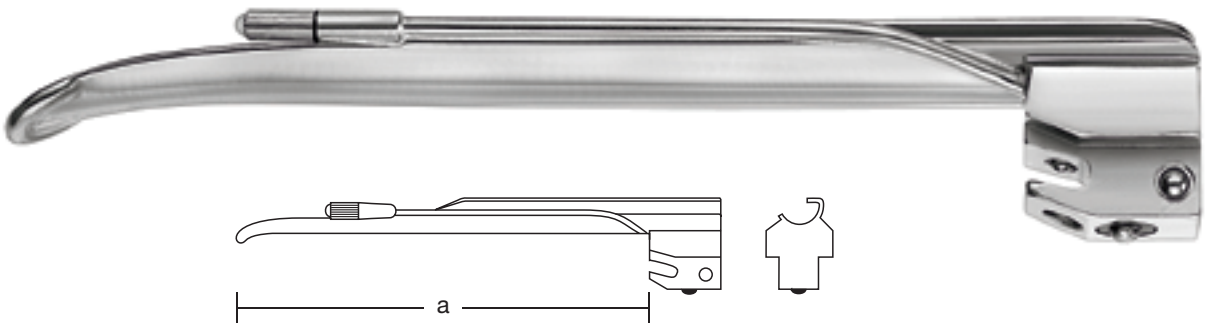
Accessori vedete pagina 201-203.

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

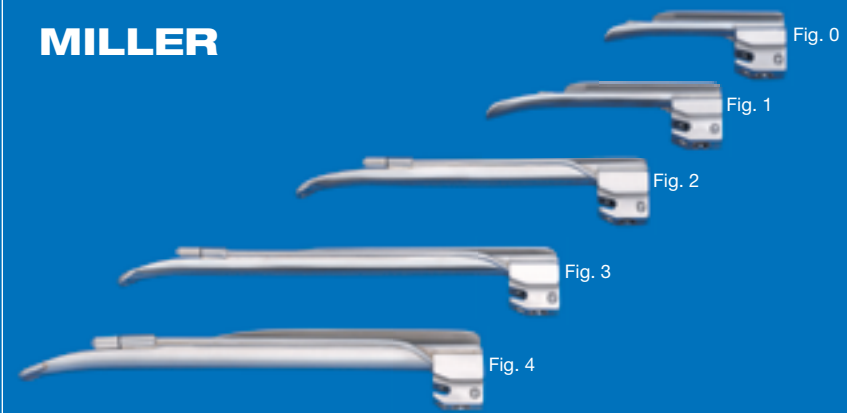


Fig. 0	Neugeborene Newborns Recién nacidos Nouveau-nés Neonati
Fig. 1	Kleinkinder Infants Niños pequeños Petits enfants Bambini piccoli
Fig. 2	Kinder Children Niños Enfants Bambini
Fig. 3	Erwachsene Adults Adultos Adultes Adulti
Fig. 4	

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 da:**	**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	

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**

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Accessories see page 201-203.
Accessorios vea página 201-203.
Accessoires voyez page 201-203.
Accessori vedete pagina 201-203.

BATTERY

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

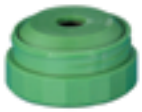
		standard standard estándar standard standard	schlank slim fino élancé sottile
allein, mit Deckel (ohne Lampe und Batteriecontainer) only, with lid (without lamp and battery container) solo, con tapa (sin lámpara y contenador de pilas) seul, avec couvercle (sans lampe et container à piles) solo, con coperchio (senza lampadina e contenitore per batterie)		**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**

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**

Xenonlampe
Xenon lamp
Lámpara de xenón
Lampe xénon
Lampadina xenon

45.48.72 **45.48.73**

Kryptonlampe
Krypton lamp
Lámpara de criptón
Lampe krypton
Lampadina krypton

45.48.70

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 la mucosa bucal 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.

Batterien
Batteries
Pilas
Piles
Batterie

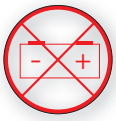
2 Stück werden benötigt
2 pieces needed
se necesita 2 piezas
2 pièces requises
sono necessari 2 pezzi

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 enlevées des manches avant la stérilisation.

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

ACCUMULATOR

Griff	standard
Handle	standard
Mango	estándar
Manche	standard
Manico	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

LED
45.48.27

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

Induktiv-Akku
Inductive accumulator
Acumulador inductivo
Accumulateur inductif
Accumulatore induttivo

LED
45.48.26

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

BATTERY

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

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 necesita 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**

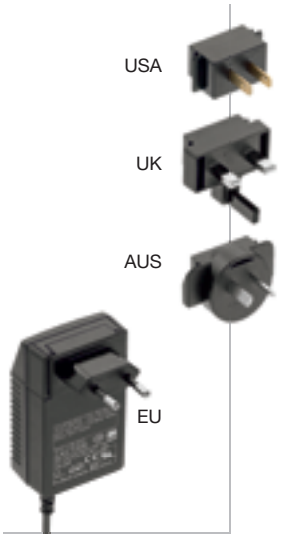
Induktiv-Ladegerät für Laryngoskope
Inductive Charging Device for Laryngoscopes
Cargador inductivo para laringoscopios
Chargeur inductif pour laryngoscopes
Ricaricatore induttivo per laringoscopi

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) seulement conçu pour les accumulateurs (LED) solamente per gli accumulatori induttivi (LED)	45.48.26

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

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

904.50.50

McINTOSH
45.15.61 - 64
45.17.61 - 64
45.01.11 - 14

904.50.51

FOREGGER
45.25.61 - 64

MILLER
45.28.61 - 64
45.08.31 - 34

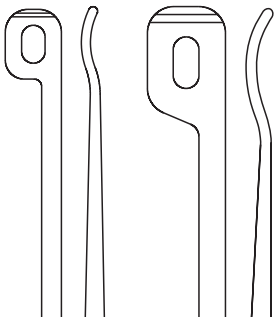
WIS-FOREGGER
45.05.11 - 14

Pediatric
45.29.60 - 62

904.50.52

McINTOSH
45.16.61 - 64

Magill
mod. Ehrensperger



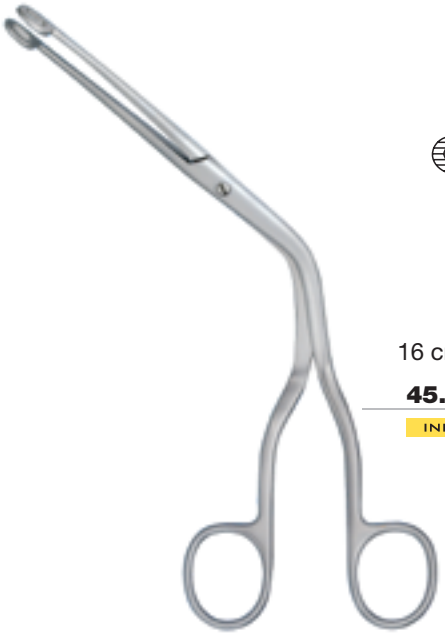
mit atraumatischem Maul
with atraumatic jaws
con boca atraumática
avec mors atraumatiques
con morso atraumatico

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

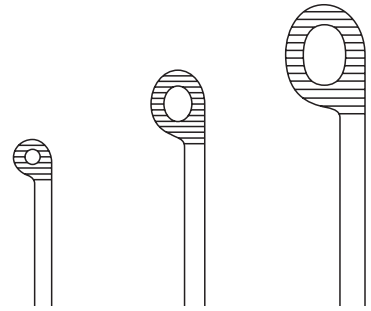
für Erwachsene
for adults
para adultos
pour adultes
per adulti

für Kinder
for children
para niños
pour enfants
per bambini

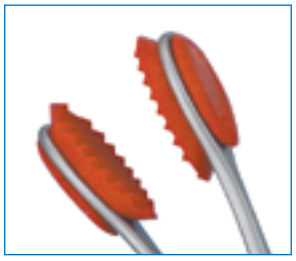
für Kleinkinder
for infants
para niños pequeños
pour petits enfants
per bambini piccoli



Magill



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



45.82.17

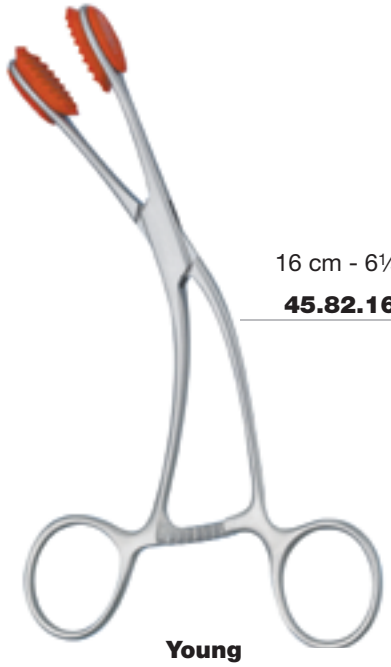
Ersatz-Gummieinlagen (Paar)
Spare rubber inserts (pair)
Gomas de repuesto (par)
Mors en caoutchouc de rechange (paire)
Gommini di ricambio (paio)

1:1

17 cm – 6¾″

45.81.17

Collin



16 cm - 6¼″

45.82.16

Young

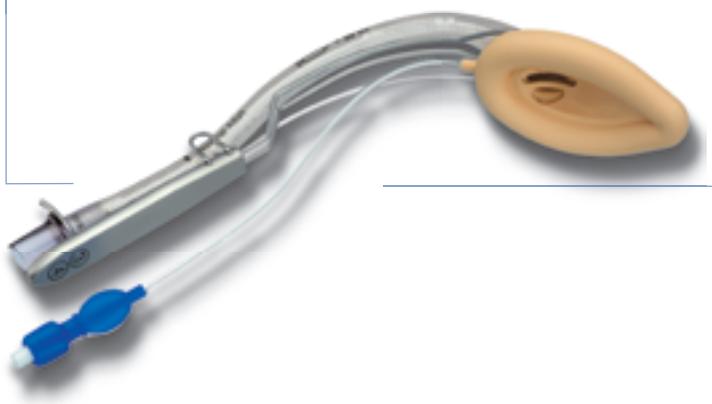
Einfache, schnelle und sichere Einführung und Positionierung von starren und flexiblen LMA*-Laryngealmasken.

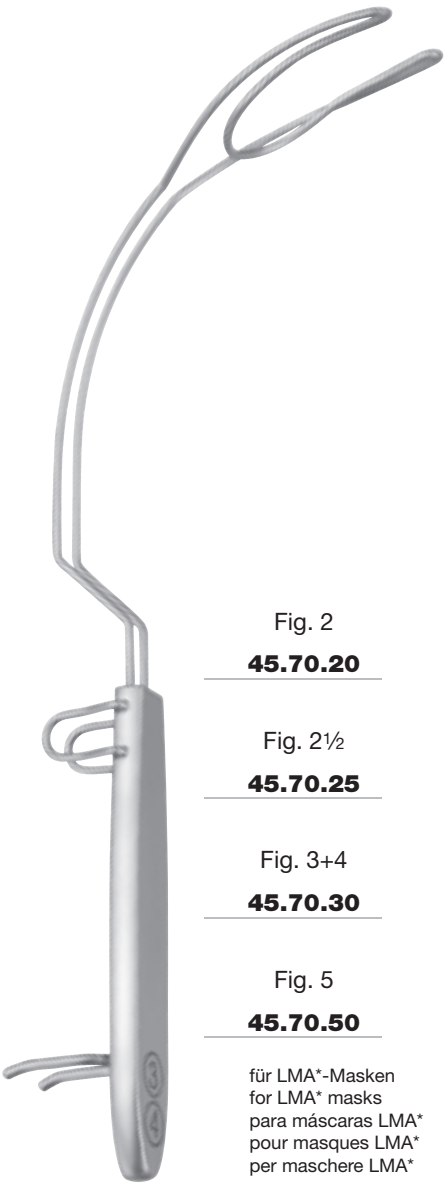
Easy, quick and safe introduction and positioning of rigid and flexible LMA*-Laryngeal masks.

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.





Zerer

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*

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.

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 P12

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 P12

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 pipetta

25 ml
91.10.11

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

30 ml
91.10.12

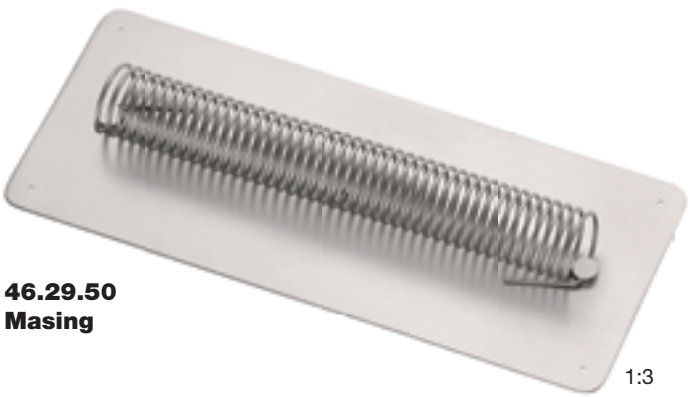
20 cm – 8″
46.10.20

30 cm – 11¾″
46.10.30

1:1

46.16.29
Ersatz-Gummieinlagen (Paar)
Spare rubber inserts (pair)
Gomas de repuesto (par)
Mors en caoutchouc de rechange (paire)
Gommini di ricambio (paio)

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

Porta-instrumentos para deponer los instrumentos durante la operación

Plateau porte-instruments pendant l'opération

Sostegno portastrumenti per il deposito di strumenti durante l'operazione

230 × 130 × 50 mm

46.37.12

Siebschale, gelocht, mit abklappbaren seitlichen Griffen
Perforated tray, with folding lateral grips
Bandeja perforada, con mangos laterales plegable
Plateau perforé, à manches lateraux escamotables
Cestello perforato, 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
Insert only
Caja interior sola
Boîte intérieure seule
Scatola interna sola

150 × 95 × 13 mm

46.37.65

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

190 × 97 × 32 mm
46.31.58

Sterilisier- und Lagerungsgestell für 8 Mikro-Rundgriff-Instrumente bis 17 cm Länge

Rack for sterilization and storage for 8 micro surgery instruments with round handles up to a length of 17 cm (6¾")

Caballete de esterilización y conservación para 8 micro instrumentos con mangos redondos hasta 17 cm de largo

Cadre de stérilisation et de rangement pour 8 instruments micro à manche rond, jusqu'à une longueur de 17 cm

Supporto per sterilizzazione e conservazione per 8 micro strumenti con manico rotondo fino a una lunghezza di 17 cm

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

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

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

230 × 130 × 50 mm **46.55.23**	230 × 130 × 50 mm **46.56.23** P 10
260 × 150 × 50 mm **46.55.26**	260 × 150 × 50 mm **46.56.26** P 10
300 × 200 × 50 mm **46.55.30**	300 × 200 × 50 mm **46.56.30** P 10
325 × 275 × 50 mm **46.55.32**	325 × 275 × 50 mm **46.56.32** P 10
325 × 275 × 75 mm **46.55.34**	325 × 275 × 75 mm **46.56.32** P 10

Textilfilter allein
Textile filters only
Filtros textiles solos
Filtres textiles seuls
Filtri di stoffa soli

Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" 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 stérilisées et rangées dans des containers de stérilisation comme p.ex. des MEDICONTAINER, ensemble avec d'autres instruments.

Per un'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

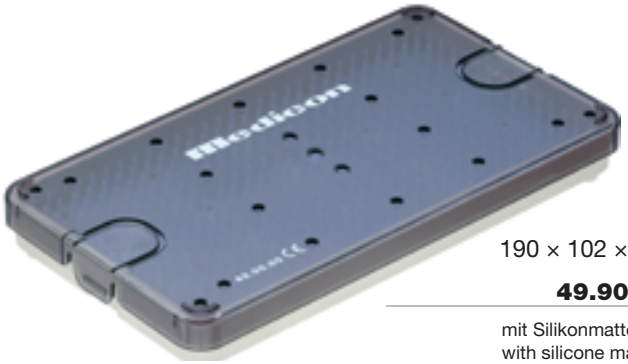
- autoclavable up to 134 °C at 3 bar
- extremely light weight
- simple and secure locking system
- lightweight plastic construction

- 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

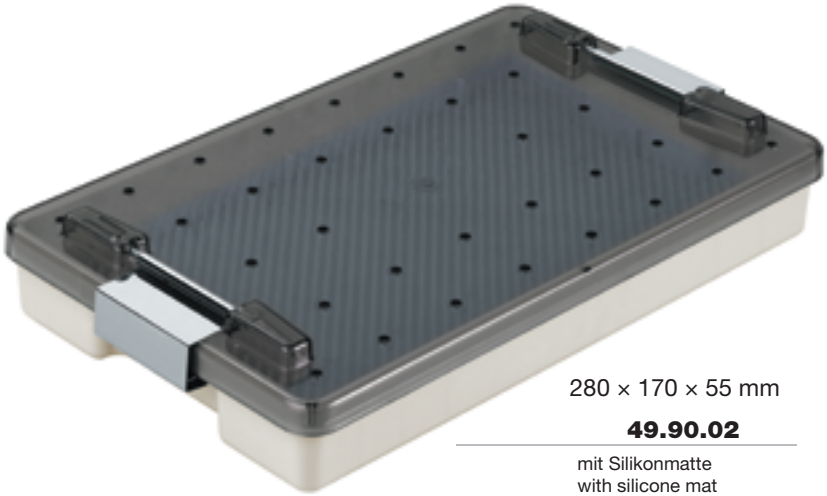
Lieferung ohne Instrumente
Supplied without instruments
Entrega sin instrumentos
Livraison sans instruments
Fornitura senza strumenti



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

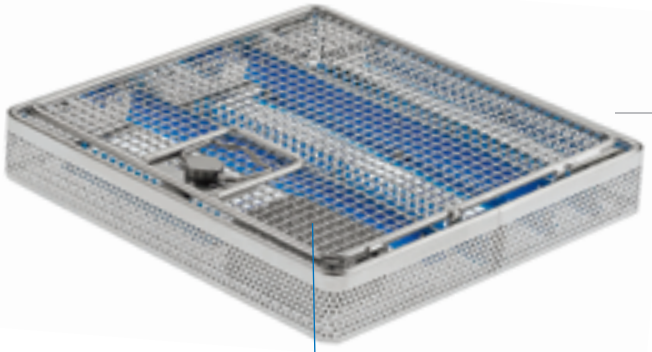
Tray für 12 Instrumente
Tray for 12 instruments
Bandeja para 12 instrumentos
Cassette pour 12 instruments
Cassetta per 12 strumenti

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 grillagés pour le rangement et la stérilisation d'instruments micro
Cestelli per magazzinaggio e sterilizzazione di micro strumenti



240 × 250 × 40 mm

49.97.90

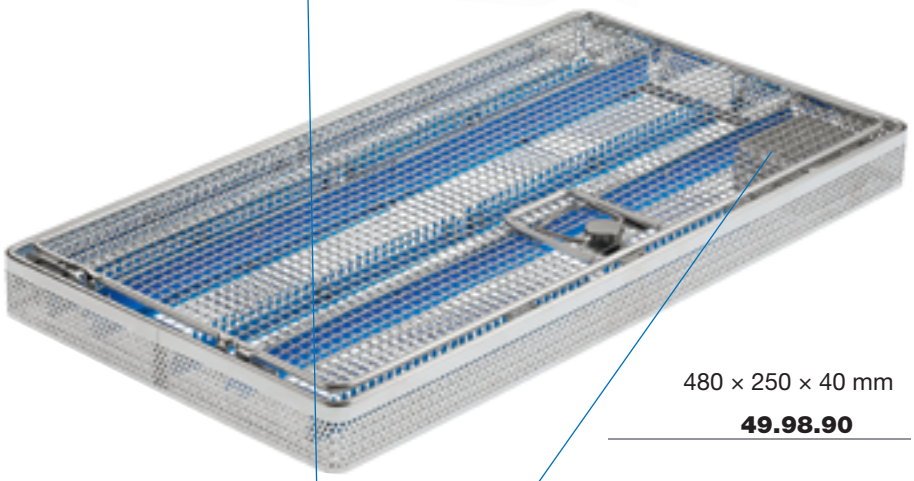
- 4 variable Silikonmatten
- fest eingeschweißte Kleinteilebox
- zwei feste Y-Silikonprofile für Niederhaltefunktion
- verschließbarer, abnehmbarer Deckel

- 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 retener
- tapa desmontable con cerradura

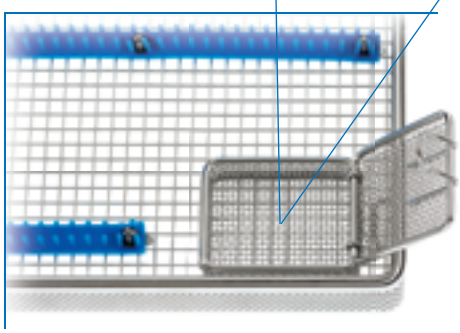
- 4 tapis silicone variables
- boîte pour petites pièces solidement soudée
- deux profils Y en silicone pour fonction d'arrêt
- couvercle démontable fermant à clé

- 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



480 × 250 × 40 mm

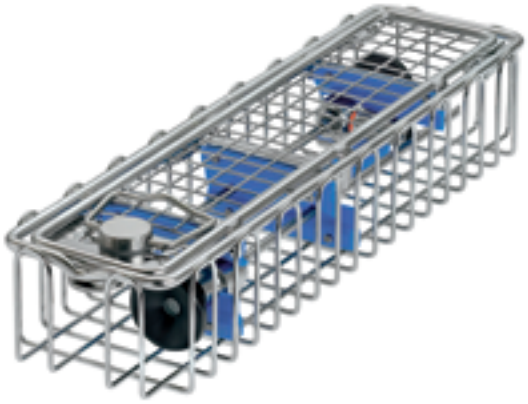
49.98.90

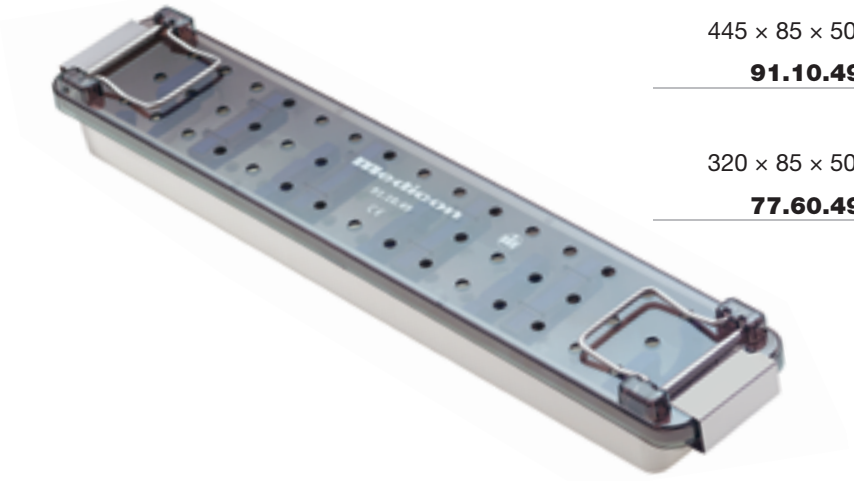


integrierte Kleinteilebox
integrated box for small parts
caja integrada para partes pequeñas
boîte pour petites pièces intégrée
box integrato per piccole parti

Siebkörbe zur Lagerung und Sterilisation der Endoskope
Wire baskets for storage and sterilization of endoscopes
Cestillas para almacenamiento y esterilización de endoscopios
Paniers grillagés pour le rangement et la stérilisation des endoscopes
Cestelli per magazzinaggio 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 Almacenamiento endoscopios Rangement d'endoscopes Magazzinaggio 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) e laparoscopi (91.10.49) autoclavabile fino a 134 °C sotto pressione di 3 bar

170 × 95 × 35 mm
47.20.17

200 × 95 × 40 mm
47.20.20

250 × 140 × 35 mm
47.20.25

270 × 150 × 40 mm
47.20.27

Nierenschalen
Kidney bowls
Riñoneras
Haricots
Bacinelle reniformi

210 × 155 × 17 mm
47.26.19

240 × 160 × 17 mm
47.26.24

280 × 140 × 10 mm
47.26.28

295 × 195 × 17 mm
47.26.29

315 × 215 × 14 mm
47.26.32

395 × 275 × 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 dei Medicontenitori lo troverete nel depliant speciale.

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

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

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

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

Ø 50 × 75 mm
330.20.00

Methot

Standgefäße
Jars
Recipientes
Récipients
Recipienti

30 × 95 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

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

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 BRÜNINGS magnifiers
Pera de goma sola, apropiada para las lupas según BRÜNINGS
Soufflerie en caoutchouc seule, pour les loupes de BRÜNINGS
Soffiatrice di gomma sola, adatta per le lenti di BRÜNINGS

62.00.15

Ø = Außendurchmesser
Outer diameter
Diámetro exterior
Diamètre extérieur
Diametro esterno

für Kinder
for children
para niños
pour enfants
per bambini

Hartmann

verchromt chrome-plated cromado chromé cromato				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 cromato				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

verchromt chrome-plated cromado chromé comato				Rostfreier Edelstahl Stainless steel Acero inoxidable Acier inoxydable Acciaio inossidabile
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			**62.02.30**
62.01.37	Ø 5,5 mm	# 2	Ø 5,5 mm	**62.02.37**
62.01.38	Ø 6,5 mm	# 3	Ø 6,5 mm	**62.02.38**
62.01.39	Ø 7,5 mm	# 4	Ø 7,5 mm	**62.02.39**

Ø = Außendurchmesser
Outer diameter
Diámetro exterior
Diamètre extérieur
Diametro esterno

für Erwachsene
for adults
para adultos
pour adultes
per adulti

Toynbee

verchromt chrome-plated cromado chromé cromato				Rostfreier Edelstahl Stainless steel Acero inoxidable Acier inoxydable Acciaio inossidabile
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			**62.02.31**
62.01.36	Ø 4,5 mm	# 1	Ø 4,5 mm	**62.02.36**
62.01.37	Ø 5,5 mm	# 2	Ø 5,5 mm	**62.02.37**
62.01.38	Ø 6,5 mm	# 3	Ø 6,5 mm	**62.02.38**
62.01.39	Ø 7,5 mm	# 4	Ø 7,5 mm	**62.02.39**

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 esterno
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**	# 6	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

* 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

110 × 85 mm

62.03.65

Sterilisier- und Lagerungsgestell für 12 Ohrspekula
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 magazzinare 12 specoli auricolari

Ohrspekulahalter 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 quirúrgica
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 Ohrspekula-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

Set

62.03.85

Leyla

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

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

Holmgren

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

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

Richnau-Holmgren

13 cm – 5⅛″
62.04.75

Paparella

Ø = Außendurchmesser
Outer diameter
Diámetro exterior
Diamètre extérieure
Diametro esterno

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: composto 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

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

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

Lucae

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

Hartmann

62.06.36	a^1 – 440

62.05.32 | C_{-1} – 32

French

Rydel-Seiffer

906.20.15	Schraube allein Screw only Tornillo solo Vis seule 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

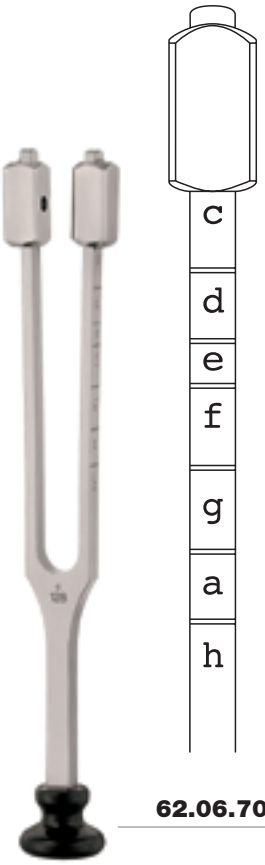
Dämpfer abnehmbar,
mit Dämpfer C 64,
ohne Dämpfer c 128

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

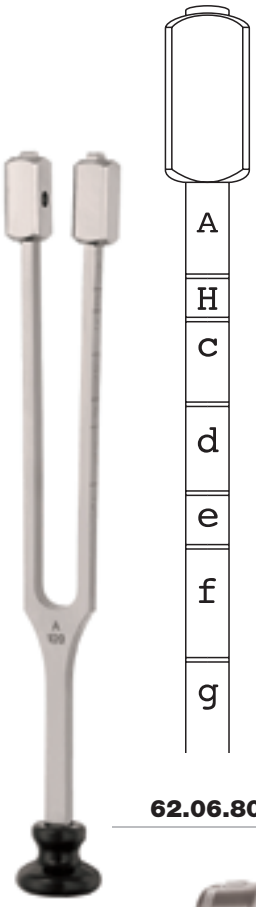
c 128, con sordina, ajustable hasta h

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

König

Stimmgabeln aus Aluminium-Speziallegierung

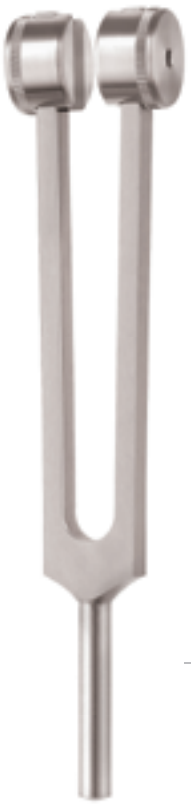
Tuning forks made of special aluminium alloy

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

62.09.02

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

Barany

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 il medico, 6 olive per il paziente (2 cad. × # 1 – 3), con sostegno per olive

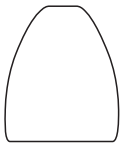
62.20.69 5

Zwischenstück 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

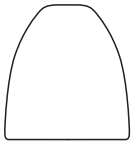
62.20.55 1

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

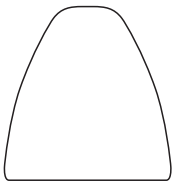
62.20.50
Politzer



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

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 cannula 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″

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.

Arbeitsabstand: 400 mm
Working distance: 400 mm
Distancia del trabajo: 400 mm
Distance de travail: 400 mm
Distanza operativa: 400 mm

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

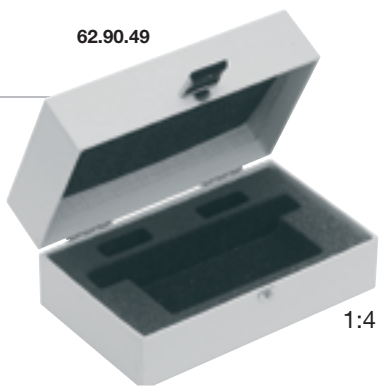
Individuelle Anpassung der Lupenkörper an den Pupillenabstand
The oculars are individually adjustable of the pupils distance
Adaptación inidividual de la lupa a la distancia interpupilar
Les corps de loupe s'adaptent individuellement à la distance des pupilles
Adattamento individuale della lente alla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

Arbeitsabstand: 400 mm
Working distance: 400 mm
Distancia del trabajo: 400 mm
Distance de travail: 400 mm
Distanza operativa: 400 mm

Optik vergütet und farbkorrigiert
The optical system is colour-corrected and coated
Óptica con tratamiento antireflexión y corrección cromática
Optique affinée avec correction de 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 girevoli per la regolazione dell'angolo di convergenza

62.90.90

Frenzel

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, Steckernetzteil
Bi-convex lenses + 18,0 diopters with connecting cable 1,4 m for transformer, wall power supply
Lentes biconvexos + 18,0 dioptría con cable de conexión 1,4 m para transformador, fuente de alimentación
Lentilles biconvexes + 18,0 dioptries avec câble de raccordement 1,4 m pour transformateur, prise d'alimentation
Lenti biconvesse + 18,0 diottrie con cavo di raccordo 1,4 m per trasformatore, blocco di alimentazione

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 Blocco di alimentazione per 62.90.90	**62.90.93** (230 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 fixes
Occhiali per Nystagmus in plastica con illuminazione e vetri solidi

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)

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	**62.10.43**

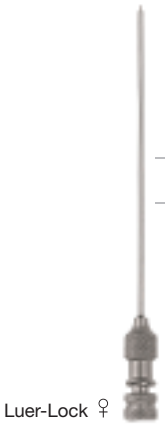
Schnürerdrähte
Snare wires
Alambres para cierranudos
Fils pour serre-nœud
Fili per serranodi

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

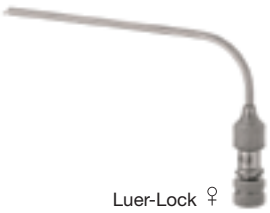


62.21.01	Ø 0,7 × 80 mm
62.21.02	Ø 0,9 × 80 mm
62.21.03	Ø 1,2 × 80 mm

Rosen

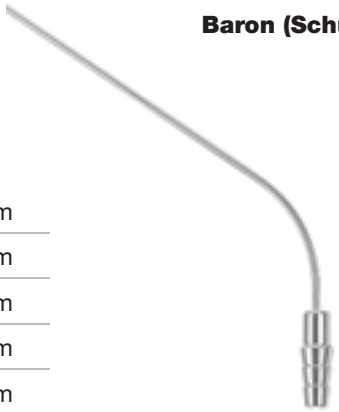
62.22.10	Ø 1,0 × 75 mm
62.22.15	Ø 1,5 × 75 mm
62.22.20	Ø 2,0 × 75 mm

Baron (Schuknecht)

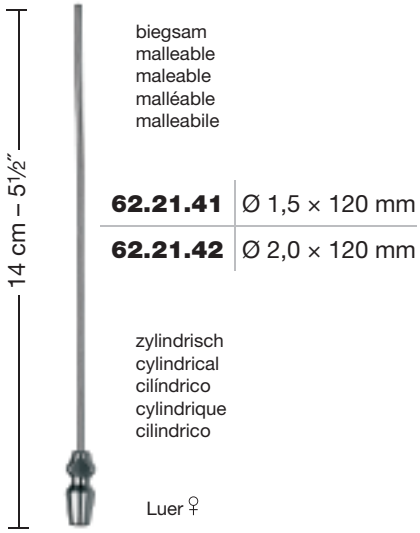


62.21.11	Ø 0,7 × 65 mm
62.21.12	Ø 0,9 × 65 mm
62.21.13	Ø 1,2 × 65 mm
62.21.14	Ø 1,5 × 65 mm
62.21.15	Ø 2,0 × 65 mm

Rosen

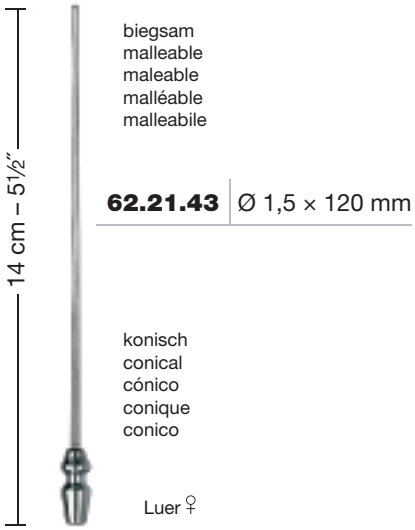


62.22.01	Ø 1,0 × 90 mm
62.22.02	Ø 1,5 × 90 mm
62.22.03	Ø 2,0 × 90 mm



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

Wullstein



62.21.43	Ø 1,5 × 120 mm

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

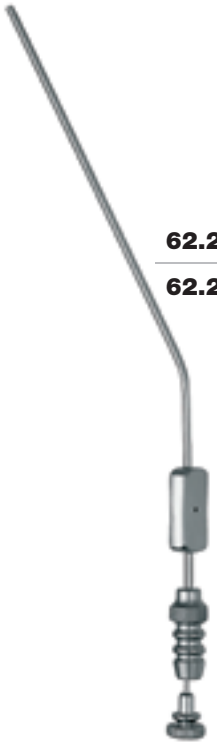
Irrigating and aspirating suction handle, for
ROSEN and WULLSTEIN irrigation and suction tubes

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

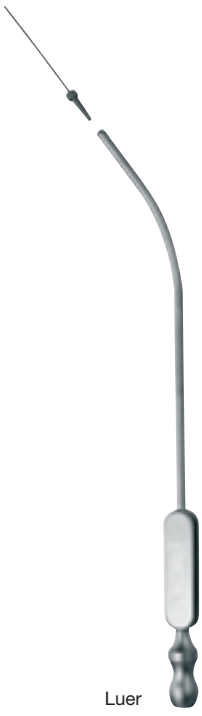
Wullstein



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

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

Hartmann

62.22.72	# 2

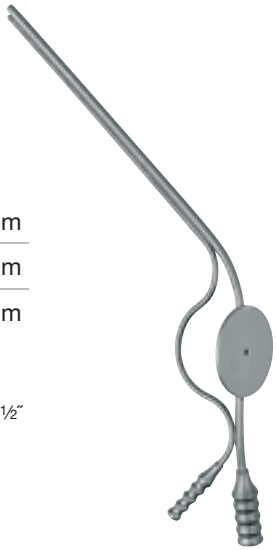
für das linke Ohr
for the left ear
para oído izquierdo
pour oreille gauche
per orecchio sinistro

Hartmann

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

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

House



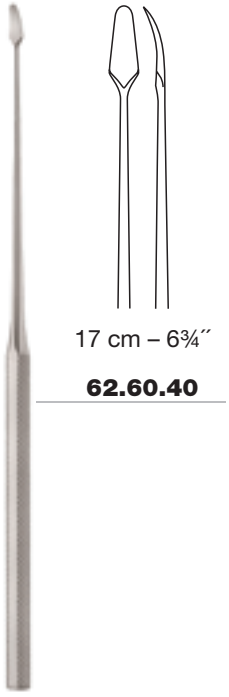
62.23.18	Ø 1,8 + 1,8 mm
62.23.25	Ø 2,5 + 2,0 mm
62.23.30	Ø 3,0 + 2,0 mm
62.23.45	Ø 4,5 + 2,0 mm

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

18 cm – 7⅛″ | 18 cm – 7⅛″ | 18 cm – 7⅛″

62.60.52 | **62.60.57** | **62.60.58**

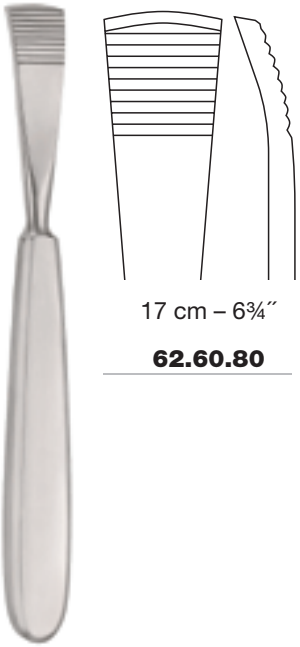
Lempert



17 cm – 6¾″

62.60.40

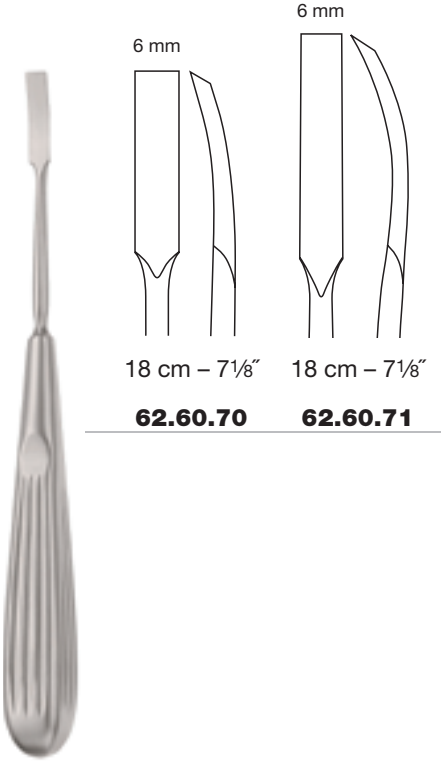
Wullstein



17 cm – 6¾″

62.60.80

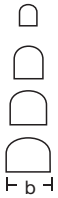
Jansen



18 cm – 7⅛″ | 18 cm – 7⅛″

62.60.70 | **62.60.71**

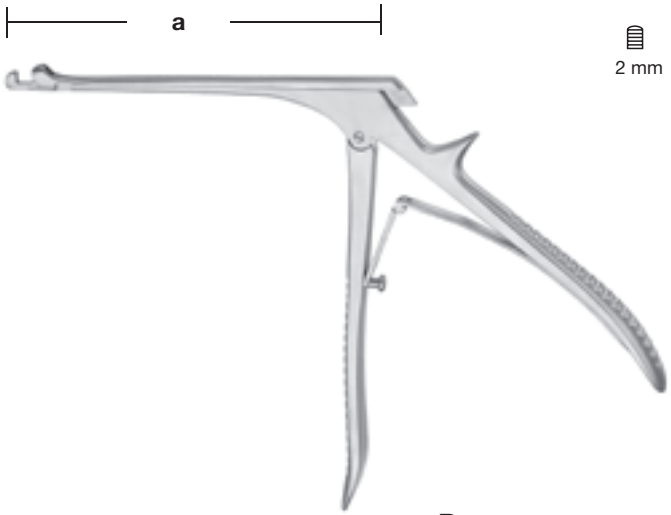
Lempert



		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 taglienti per l'attico



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

durchschneidend
through-cutting
cortante
coupant
tagliente

Beyer

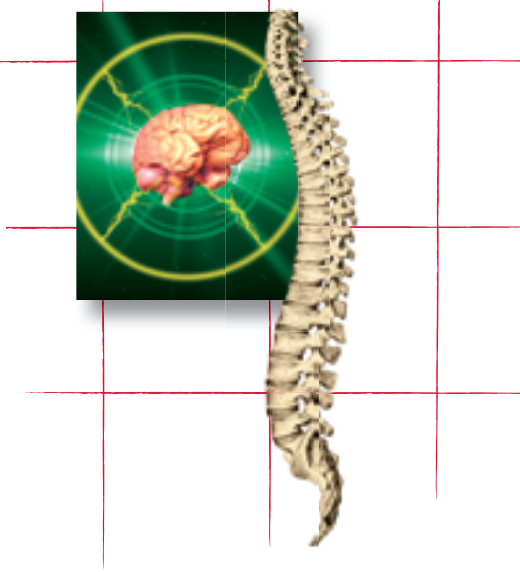
durchschneidend
through-cutting
cortante
coupant
tagliente

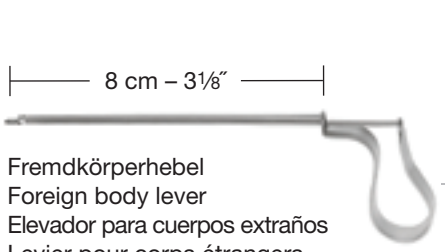
Citelli

		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

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„



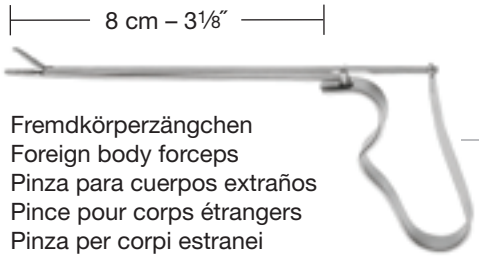


10 cm – 4″

62.30.05

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

Quire



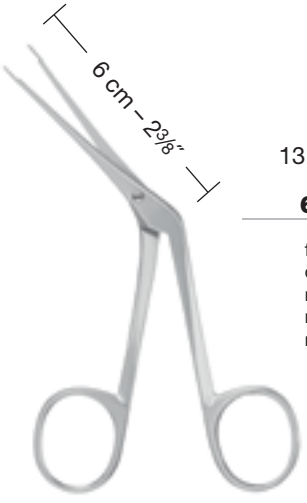
11 cm – 4⅜″

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

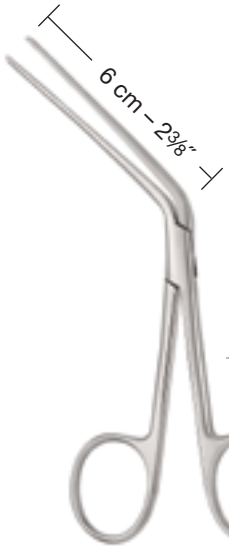
feines Modell
delicate pattern
modelo fino
modèle délicat
modello delicato

13,5 cm – 5⅜″

62.30.21

Standardmodell
Standard pattern
Modelo estándar
Modèle standard
Modello standard

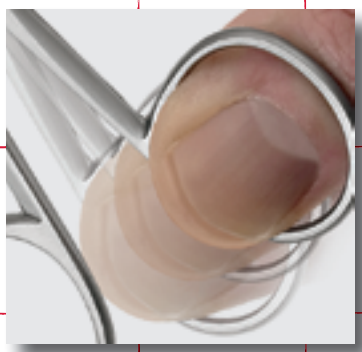
Hartmann



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.

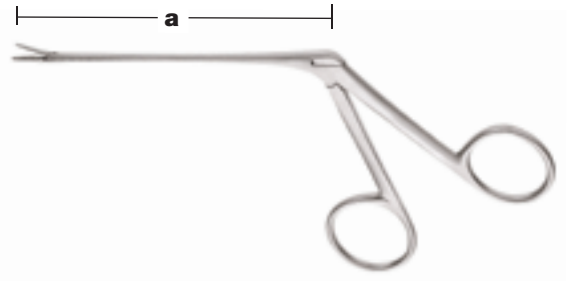
Pinza auriculares con anillos para manejar con el pulgar, (número de catálogo rojo) permiten un trabajo más exacto.

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.

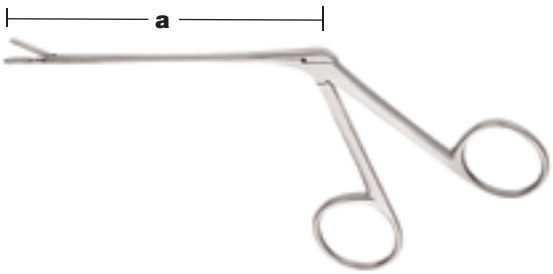
Siehe Darstellungen auf den folgenden Seiten.
See illustrations on the following pages.
Véase las ilustraciones en las páginas siguientes.
Voyez les illustrations sur les pages suivantes.
Guardate le illustrazioni sulle seguenti pagine.

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



Hartmann

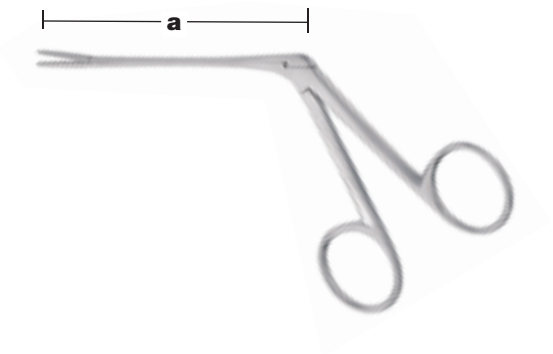
		a
	62.31.10 ● 62.31.12	8 cm – 3⅛″
	62.31.20 ● 62.31.22	14 cm – 5½″
	62.31.30 ● 62.31.32	16 cm – 6¼″



Hartmann

			a	
		62.32.50	8 cm – 3⅛″	
		62.33.00 ● 62.33.01	8 cm – 3⅛″	mittelfein medium-fine medio-fino semi-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

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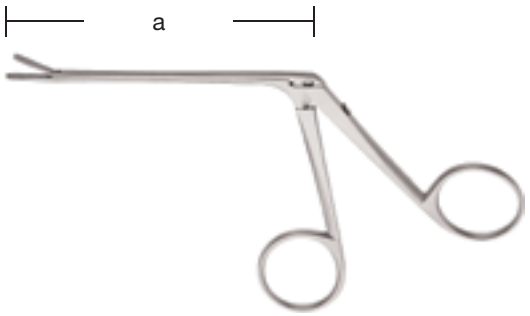
the art of surgery

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

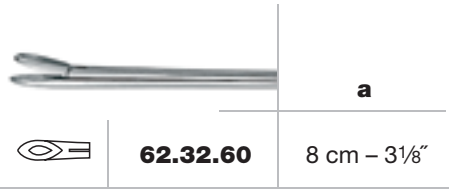


		a
	62.31.52	8 cm – 3⅛″

Entenschnabel
Duckbill
Pico de pato
Bec de canard
Becco d'anatra

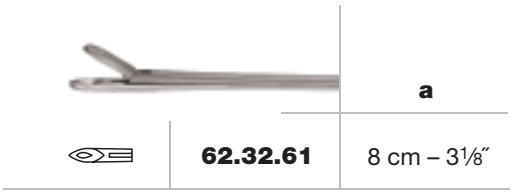
		a
	62.31.70	8 cm – 3⅛″

Weingärtner



		a
	62.32.60	8 cm – 3⅛″

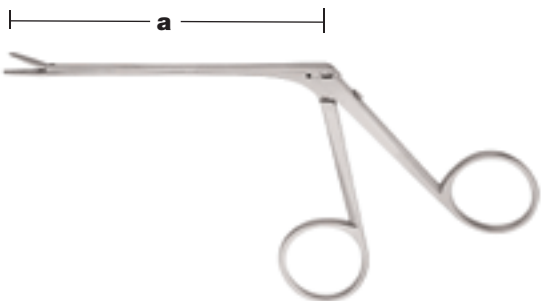
Strümpel

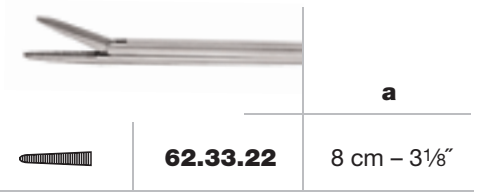


		a
	62.32.61	8 cm – 3⅛″

Strümpel-Baby

kräftiges Modell
heavy pattern
modelo fuerte
modèle fort
modello forte

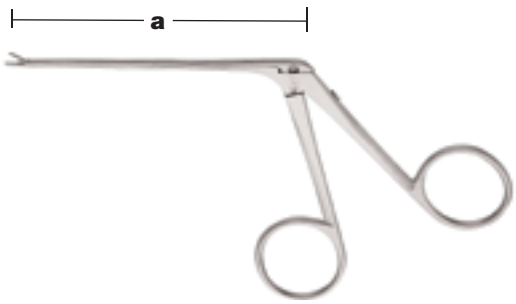


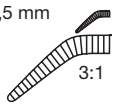
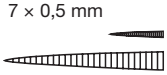


		a
	62.33.22	8 cm – 3⅛″

Bellucci

MICRO



		a		
	4 × 0,5 mm 3:1	**62.34.31** ● **62.34.01**	8 cm – 3⅛″	sehr fein delicate muy fina très fin molto fine
	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″	
	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″	

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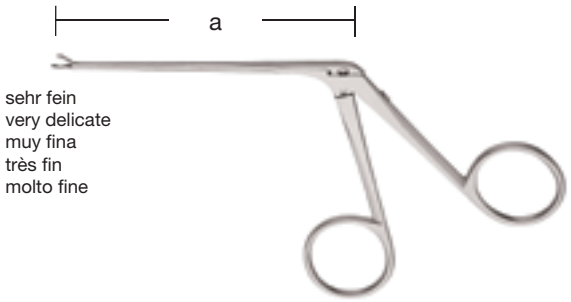
● daumenbeweglich
thumb manipulation
manejar con el pulgar
maniable par le pouce
maneggio attraverso il pollice

MICRO

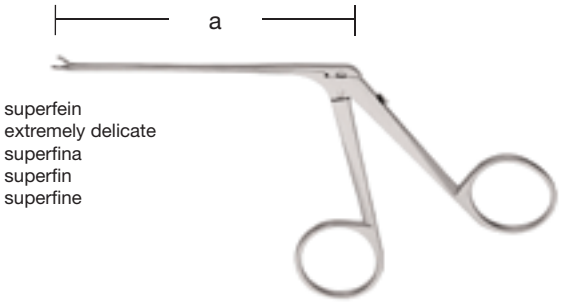


sehr fein
very delicate
muy fina
très fin
molto fine

			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

MICRO



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

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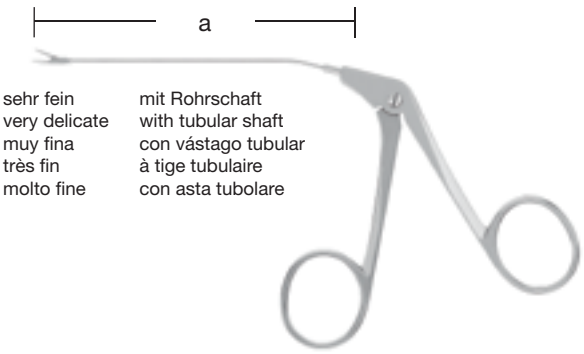
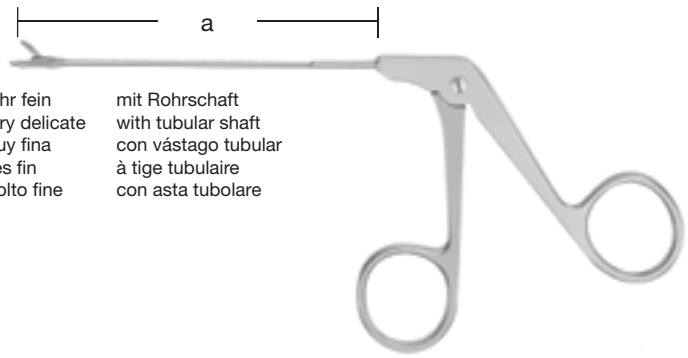
MICRO



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″	**Wullstein**
	4 × 0,5 mm 3:1	**62.50.14**	8 cm – 3⅛″	**Wullstein**
	7 × 0,5 mm 3:1	**62.50.23**	8 cm – 3⅛″	**Wullstein**
	Ø 0,9 mm 3:1	**62.50.30**	8 cm – 3⅛″	**Wullstein** 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″	

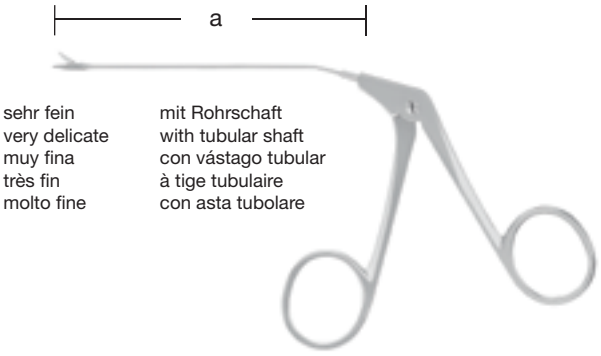


sehr fein
very delicate
muy fina
très fin
molto fine

mit Rohrschaft
with tubular shaft
con vástago tubular
à tige tubulaire
con asta tubolare

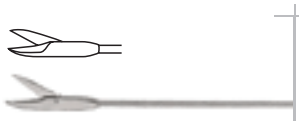
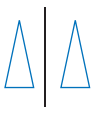
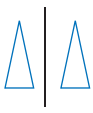
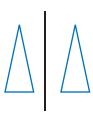
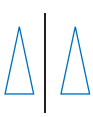
	a		
5 × 2 mm	**62.50.60**	8 cm – 3⅛″	**Wullstein-Blakesley**

MICRO



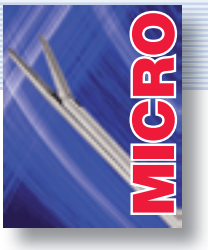
sehr fein
very delicate
muy fina
très fin
molto fine

mit Rohrschaft
with tubular shaft
con vástago tubular
à tige tubulaire
con asta tubolare

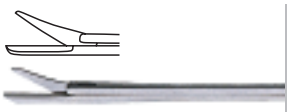
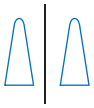
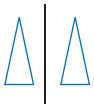
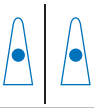
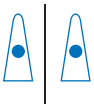
			a	
	**62.50.52**	gerade straight recta droites retta	8 cm – 3⅛″	
	62.50.54	aufgewinkelt angled upwards angulado hacia arriba coudés en haut angolata verso l'alto	8 cm – 3⅛″	
	62.50.56	rechts gebogen curved right curva derecho courbés à droite curva destra	8 cm – 3⅛″	
	62.50.57	links gebogen curved left curva izquierdo courbés à gauche curva sinsitra	8 cm – 3⅛″	

Medicon Instrumente
the art of surgery

scharf
sharp
aguda
pointu
acuta



Shea-Bellucci

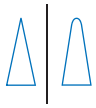
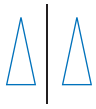
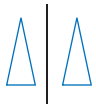
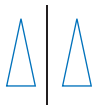
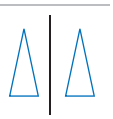
	**62.41.10**	gerade straight recta droites retta	
	62.41.12	gerade straight recta droites retta	
	62.41.16	rechts gebogen curved right curva derecho courbés à droite curva destra	
	62.41.17	links gebogen curved left curva izquierdo courbés à gauche curva sinsitra	

MICRO

8 cm – 3⅛″

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 hacia arriba coudés en haut angolata verso l'alto	
	62.42.26 ● **62.42.16**	rechts gebogen curved right curva derecho courbés à droite curva destra	
	62.42.28 ● **62.42.17**	links gebogen curved left curva izquierdo courbés à gauche curva sinsitra	

Medicon Instrumente
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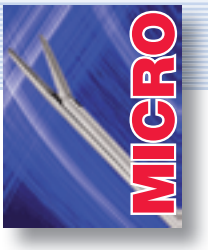
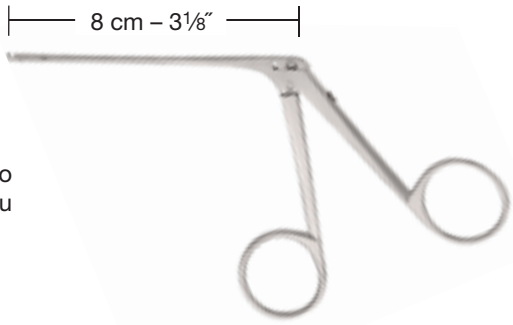
spitz
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

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

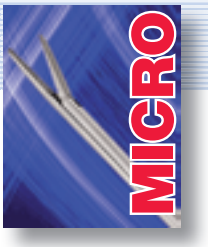


Hammerkopfstanzen
Malleus punches
Pinzas saca-bocadas para cabeza del martillo
Pinces emporte-pièce pour la tête du marteau
Pinze taglienti per testa del martelletto

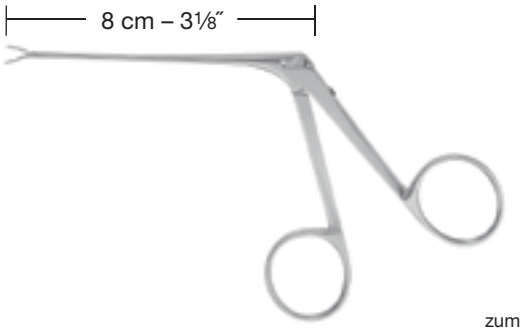


Dieter

∩	**62.48.14**	nach oben schneidend upwards cutting cortante hacia arriba coupant en haut tagliente verso l'alto	⊃	**62.48.16**	nach rechts schneidend right cutting cortante hacia derecho coupant à droite tagliente a destra
∪	**62.48.15**	nach unten schneidend downwards cutting cortante hacia abajo coupant en bas tagliente verso in basso	⊂	**62.48.17**	nach links schneidend left cutting cortante hacia izquierdo coupant à gauche tagliente a sinistra



Drahtbiegezängchen
Wire bending forceps
Pinzas para plegar alambre
Pinces pour plier fil d'acier
Pinze per piegare fili metallici



McGee

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 e l'inserimento di protesi di stapes in teflon, morsi curvati leggermente in basso

3,5 × 0,8 mm	**62.46.14**
4,5 × 0,8 mm	**62.46.15**

		a
6 × 0,8 mm	**62.46.11**	7,5 cm – 3″

Schuknecht

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 chiudere le anse delle protesi in teflon dello stapes dopo il loro innesto sul marteletto o sull'incudine, morsi curvati leggermente in basso.

		a
6 × 0,8 mm	**62.49.19**	7,5 cm – 3″

Fuller

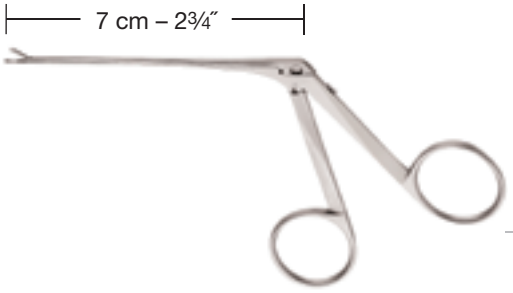
Faßzängchen zum Halten und Einsetzen von Teflon-Stapesprothesen

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 da presa per tenere e introdurre protesi in teflon dello stapes



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

Buck

15 cm – 6″			15 cm – 6″		
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″		
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

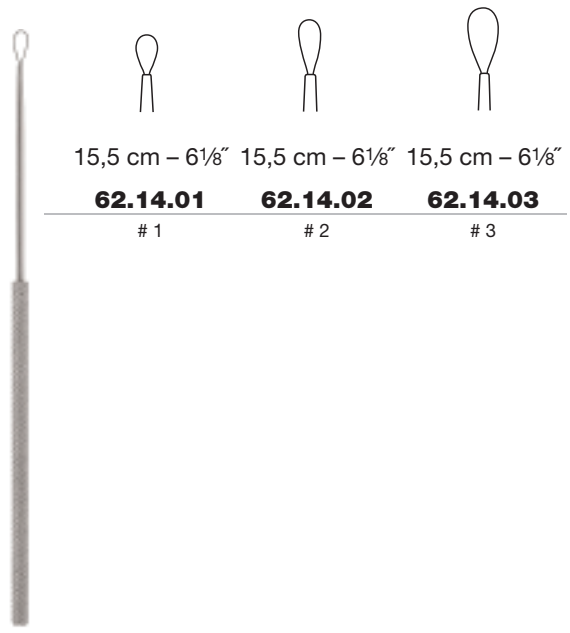
Shapleigh

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

scharf
sharp
cortante
tranchant
tagliente

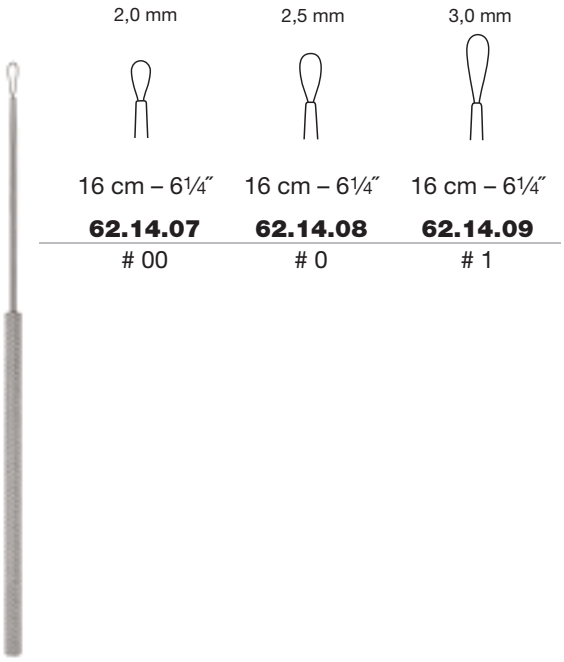
stumpf
blunt
romo
mousse
smussa

Ø = Innendurchmesser
Inside diameter
Diametro interior
Diamètre intérieur
Diametro interno



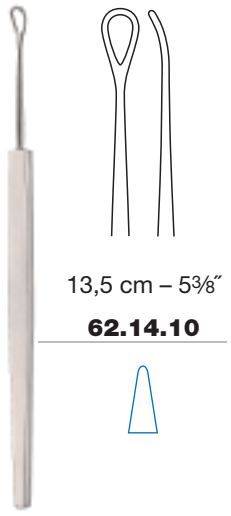
15,5 cm – 6⅛″	15,5 cm – 6⅛″	15,5 cm – 6⅛″
62.14.01	**62.14.02**	**62.14.03**
# 1	# 2	# 3

Billeau



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

Billeau-Micro

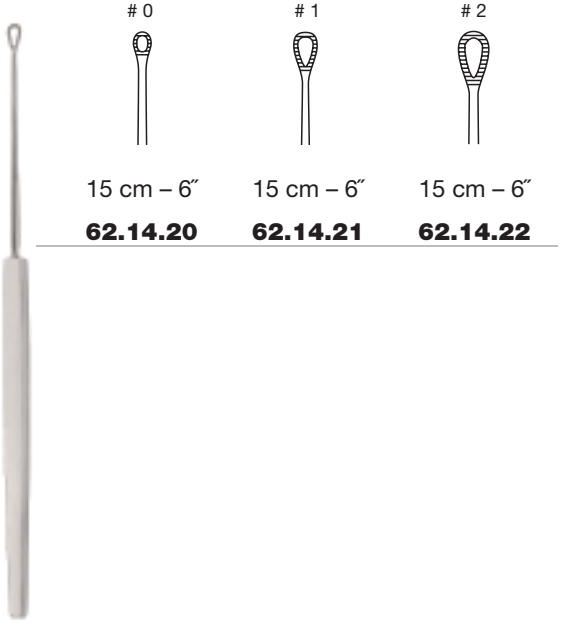


13,5 cm – 5⅜″
62.14.10

Langenbeck

4,5 mm
14,5 cm – 5¾″
62.14.15
5,5 mm

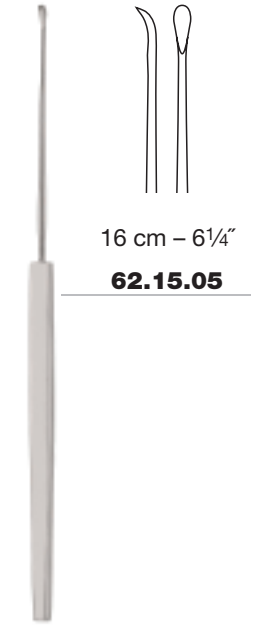
Coxeter



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

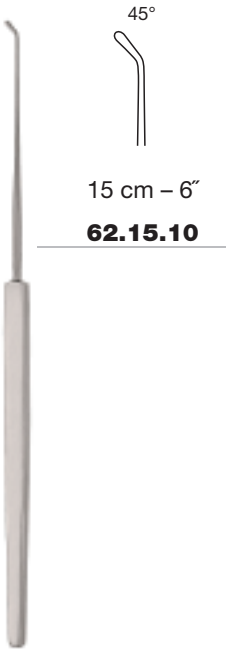
Weber-Loch

stumpf
blunt
roma
mousse
smussa



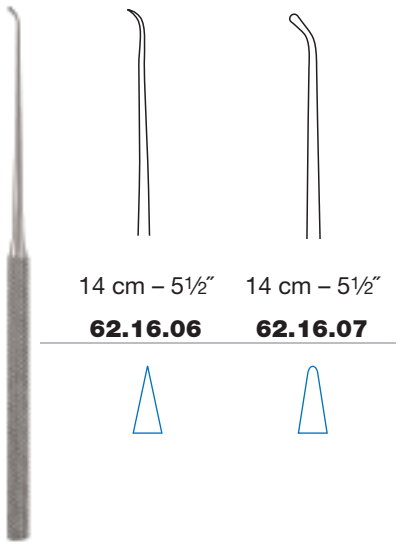
16 cm – 6¼″
62.15.05

Zaufal



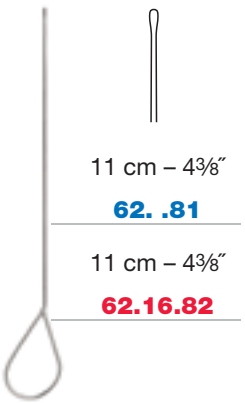
15 cm – 6″
62.15.10

Yankauer-Jansen



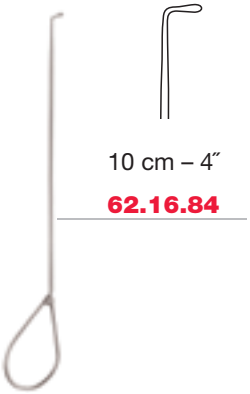
14 cm – 5½″ **62.16.06**
14 cm – 5½″ **62.16.07**

Wagener



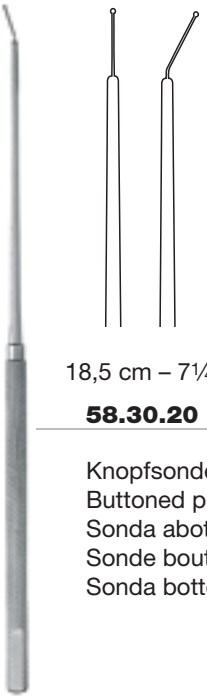
11 cm – 4⅜″
62. .81
11 cm – 4⅜″
62.16.82

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

medicon Instrumente
the art of surgery

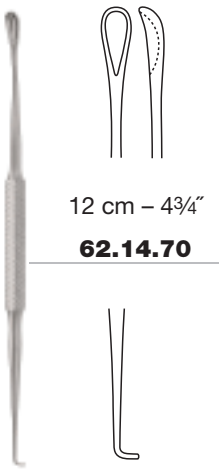
scharf
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

aus Neusilber
Nickel silver
de plata alemana
en maillechort
in argentone

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

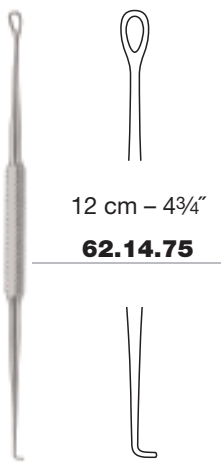
Ohrlöffel und -Häkchen
Ear spoon and hook
Cucharilla y ganchito auricular
Cuiller et crochet auriculaire
Cucchiaio e uncinetto auricolare



12 cm – 4¾″
62.14.70

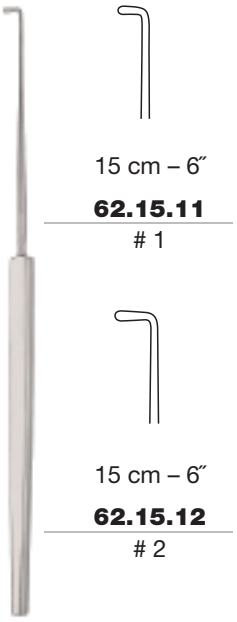
Gross

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

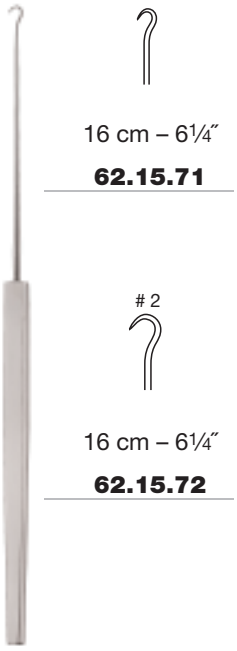
Gross



15 cm – 6″
62.15.11
1

15 cm – 6″
62.15.12
2

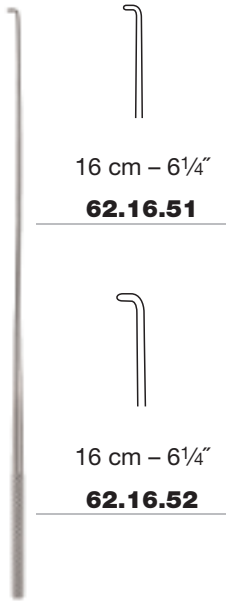
Jansen



1
16 cm – 6¼″
62.15.71

2
16 cm – 6¼″
62.15.72

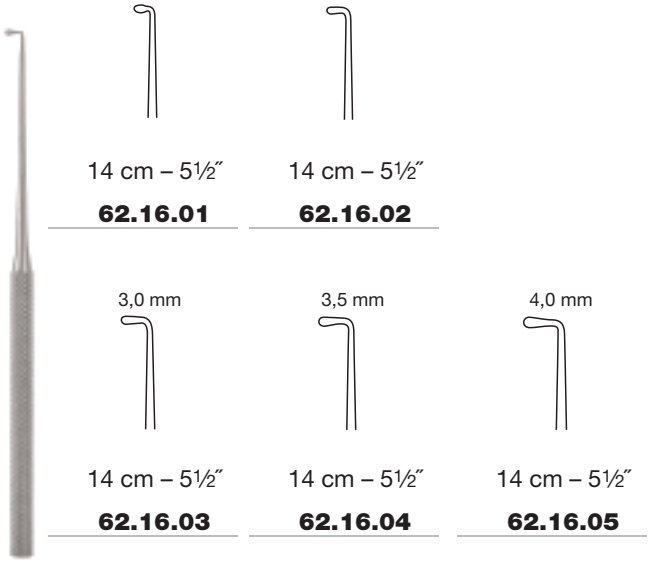
Hartmann



16 cm – 6¼″
62.16.51

16 cm – 6¼″
62.16.52

Day



2,0 mm
14 cm – 5½″
62.16.01

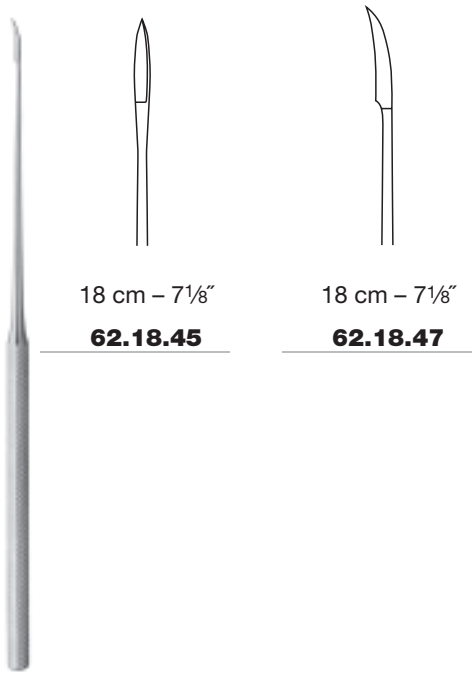
2,5 mm
14 cm – 5½″
62.16.02

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

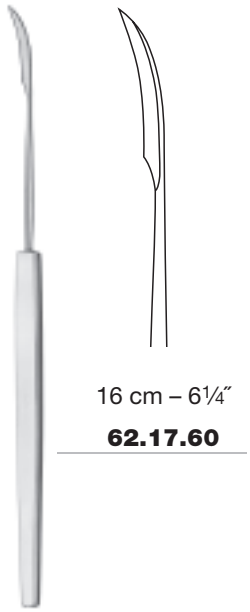
Wagner



18 cm – 7⅛″
62.18.45

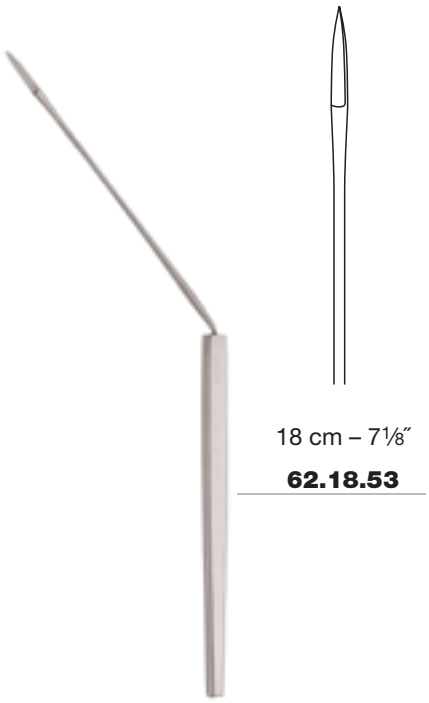
18 cm – 7⅛″
62.18.47

Sexton



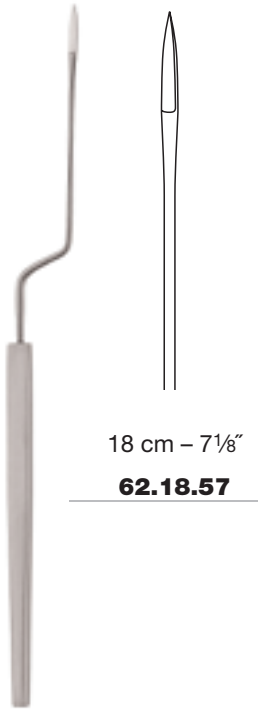
16 cm – 6¼″
62.17.60

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

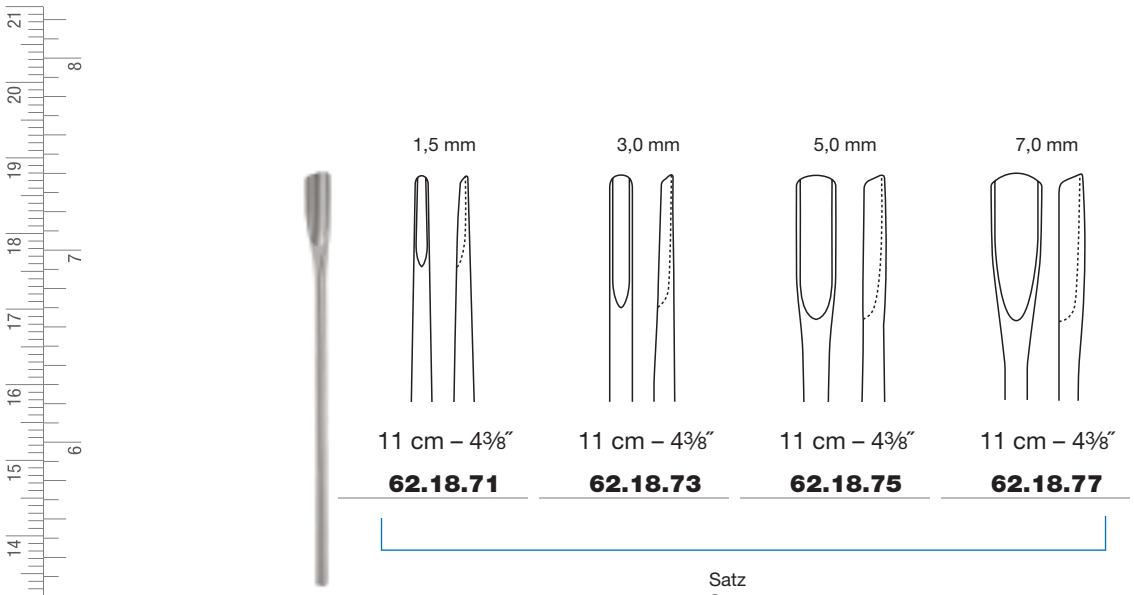
mit Schraubgriff
with screw-locking handle
con mango roscado
avec manche à visser
con manico a vite

Politzer

19 cm – 7½″

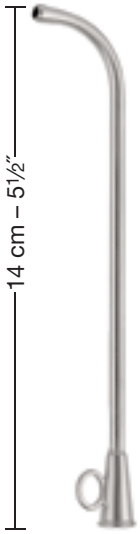
62.18.35

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				

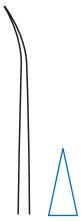
62.20.30

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

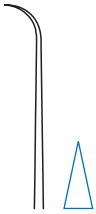
MICRO

15 cm - 6″
63.06.01
Barbara

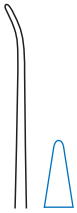
15 cm - 6″
63.06.02
Barbara



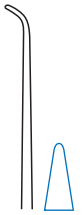
15 cm - 6″
63.06.03
Barbara



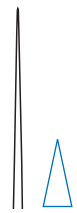
15 cm - 6″
63.06.04
Rosen



15 cm - 6″
63.06.05



15 cm - 6″
63.06.06



15 cm - 6″
63.07.01

MICRO

1:1

25°

0,3 mm	**63.06.13**
0,6 mm	**63.06.16**
1,0 mm	**63.06.20 Shambaugh**

45°

0,3 mm	**63.06.33**
0,6 mm	**63.06.36**
1,0 mm	**63.06.40 Shambaugh**

90°	45°	45°	45°	90°
1,5 mm	1,5 mm	2,5 mm	2,0 mm	3,0 mm
63.06.07	**63.06.41**	**63.06.43**	**63.06.45**	**63.06.49**
Austin			**Shea**	**Austin**
			Sondierhaken Oblique pick Ganchito explorador Crochet à exploration Uncino per esplorazione	Attikus-Dissektor Attic dissector Disector para el ático Dissecteur pour l'attique Dissettore per l'attico

stumpf
blunt
roma
mousse
smussa

medicon Instrumente
the art of surgery

MICRO

1:1

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

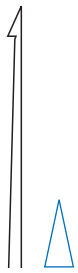
Zum Anrauhen der Trommelfellrückseite

For roughening the back of the tympanic membrane

Para cardar la parte posterior de la membrana del 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

scharf
sharp
cortante
tranchant
tagliente

MICRO

zum Anheben des Incus
for lifting the incus
para levantar el yunque
pour soulever l'enclume
per sollevare l'incudine

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

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

McGee

63.07.75	0,5 mm	
63.07.80	1,0 mm	

nach oben gebogen
curved upwards
curva hacia arriba
courbé en haut
curvo verso l'alto

63.07.85	0,5 mm	
63.07.90	1,0 mm	

nach unten gebogen
curved downwards
curva hacia abajo
courbé en bas
curvo verso il basso

0,2 mm
63.08.02
Fisch

0,6 mm
63.08.06
Plester

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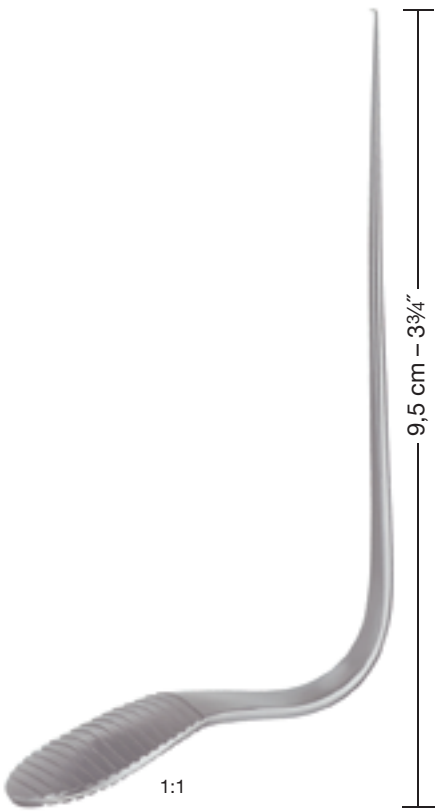
MICRO



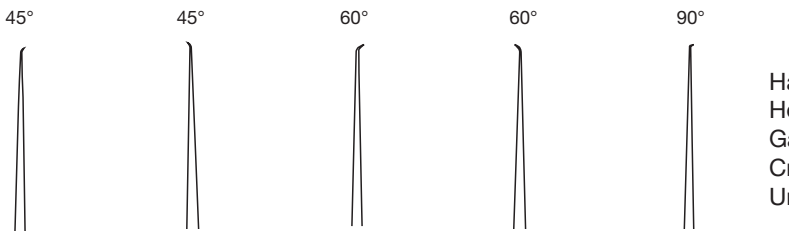
Zöllner

Nadel
Needle
Aguja
Aiguille
Ago

63.17.01

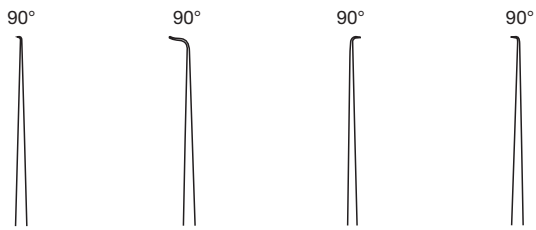
Fussplattenhäkchen
Footplate hooks
Ganchitos para la platina estapediense
Crochets pour la platine de l'étrier
Uncini per la platina dello stapes

63.17.24 **63.17.25**



Häkchen
Hooks
Ganchitos
Crochets
Uncini

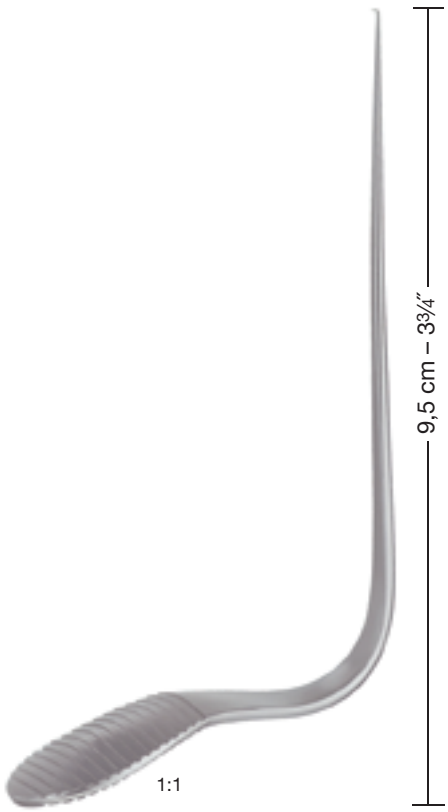
0,5 mm	0,5 mm	1,0 mm	1,0 mm	0,5 mm
63.17.05	**63.17.06**	**63.17.10**	**63.17.11**	**63.17.15**



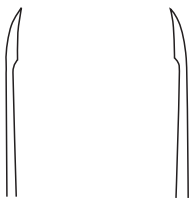
Häkchen
Hooks
Ganchitos
Crochets
Uncini

0,5 mm	2,5 mm	1,0 mm	1,0 mm
63.17.16	**63.17.18**	**63.17.20**	**63.17.21**

MICRO

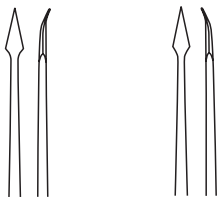


Zöllner



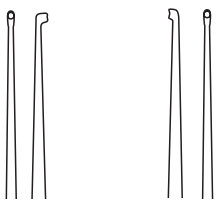
Sichelmesser
Sickle knives
Cuchillos en forma de hoz
Couteaux en forme de serpette
Coltelli falciforme

63.17.35 **63.17.36**



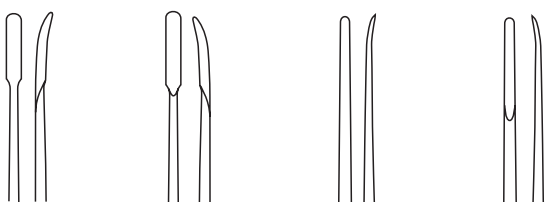
Lanzetten
Lancets
Lancetas
Couteaux lanceol
Lancette

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**

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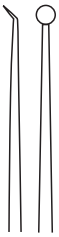
MICRO

45°

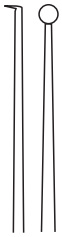


Inzisionsmesser
Incision knives
Cuchillos para incisiones
Couteaux à incision
Coltelli per incisione

Ø 1,0 mm	**63.08.10**
Ø 1,5 mm	**63.08.15**
Ø 2,0 mm	**63.08.20**
Ø 2,3 mm	**63.08.23**
Ø 2,5 mm	**63.08.25**
Ø 3,0 mm	**63.08.28**
Ø 3,5 mm	**63.08.29**

Antoli-Candela

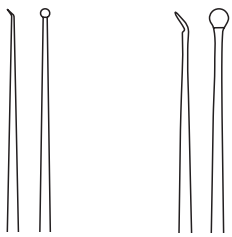
90°



Rundschnittmesser
Circular cutting knives
Cuchillos redondos
Couteaux à forme ronde
Coltelli a taglio rotondo

Ø 1,0 mm	**63.08.30**
Ø 1,5 mm	**63.08.35**
Ø 2,0 mm	**63.08.40**
Ø 2,3 mm	**63.08.43**
Ø 2,5 mm	**63.08.45**

30°



Ø 1,0 mm	Ø 2,5 mm
63.09.01	**63.09.02**
House	**House**

Rundmesser zum Lösen
der Incus-Stapes-Verbindung

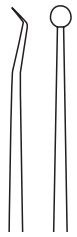
Round knife for separation
of Incudo-Stapedial joint

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

Speculummesser
Knife-Curette
Cuchillo separador
Couteau-séparateur
Coltello di separazione

Ø 1,0 mm

63.09.11

Antoli-Candela

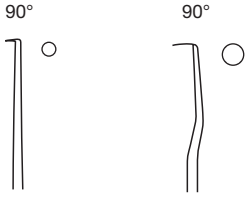
Rundmesser zum Lösen
der Incus-Stapes-Verbindung

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 Ø 3,0 mm

63.09.22 **63.09.25**

Austin **Gerlach**

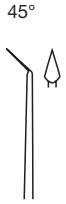
Rundmesser für Inzisionen
im äußeren Gehörgang

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

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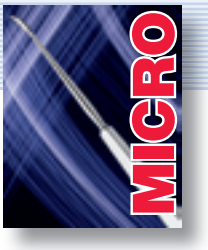


2,5 × 1,5 mm

15 cm – 6″

63.10.03

Guilford-Wright

3,5 × 2,0 mm

15 cm – 6″

63.10.05

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

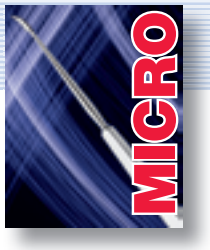
19 cm – 7½″

66.52.80

19 cm – 7½″

66.52.81

Sichelmesser
Sickle knives
Cuchillos en forma de hoz
Couteaux en forme de serpette
Coltelli falciforme

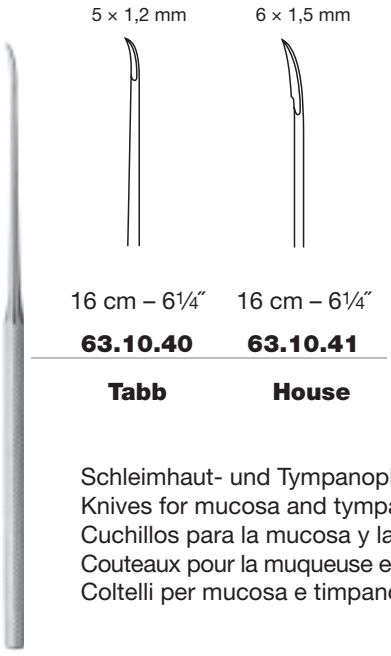


18,5 cm – 7¼″

58.33.01

Sichelmesser
Sickle knife
Cuchillo en forma de hoz
Couteau en forme de serpette
Coltello falciforme

Koos

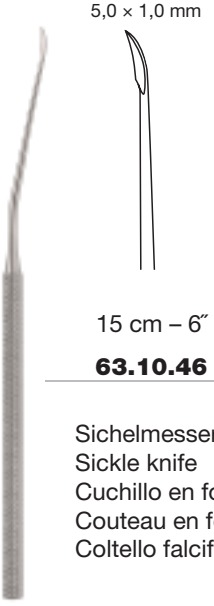


16 cm – 6¼″ | 16 cm – 6¼″

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 affûter
Pietra per affilare

Arkansas

MICRO

15 cm – 6″

63.11.02

Raspatorium zum Ablösen von weichem Gewebe

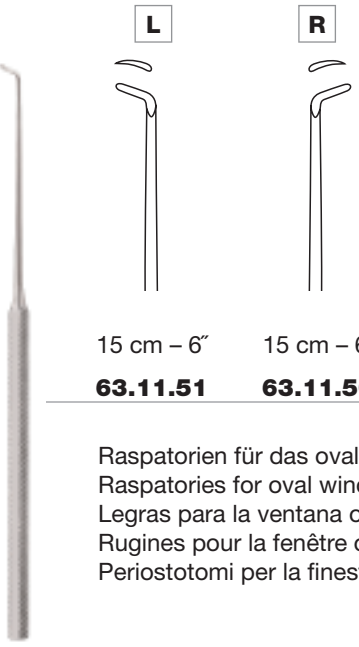
Raspatory for dissection of soft tissue

Legra para liberar tejidos blandos

Rugine pour décoller des tissus mous

Periostotomo per staccare tessuto morbido

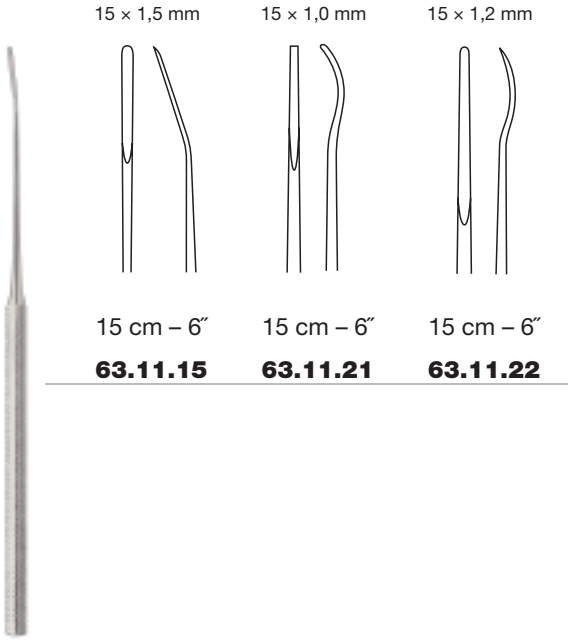
Antoli-Candela



15 cm – 6″	15 cm – 6″
63.11.51	**63.11.50**

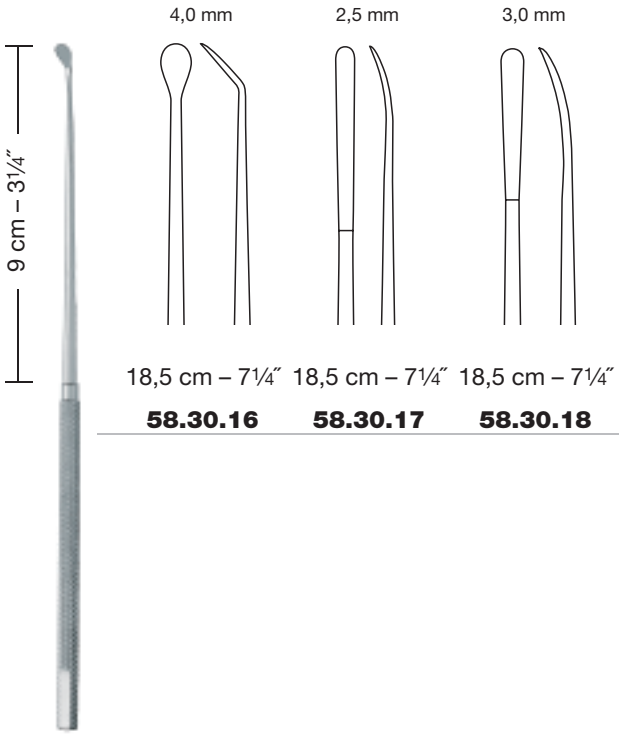
Raspatorien für das ovale Fenster, kräftig
Raspatories for oval window, heavy pattern
Legras para la ventana oval, modelo fuerte
Rugines pour la fenêtre ovale, modèle robuste
Periostotomi per la finestra ovale, modello robusto

Hough



15 cm – 6″	15 cm – 6″	15 cm – 6″
63.11.15	**63.11.21**	**63.11.22**

Rosen



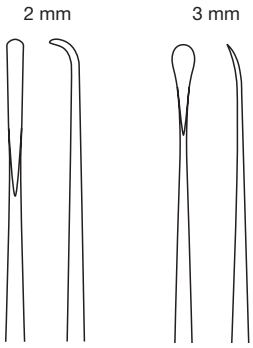
18,5 cm – 7¼″	18,5 cm – 7¼″	18,5 cm – 7¼″
58.30.16	**58.30.17**	**58.30.18**

Yasargil

L links left izquierdo gauche sinistro

R rechts right derecho droite destro

MICRO



Shambaugh-Derlacki

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

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

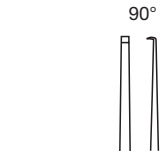
1 mm

23 cm – 9″

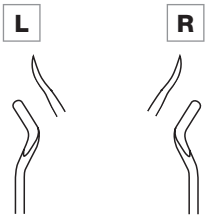
58.32.21

Dissektor
Dissector
Disector
Dissecteur
Dissettore

MICRO

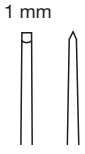


0,5 mm	0,8 mm
63.11.40	**63.11.41**
Austin	**House**



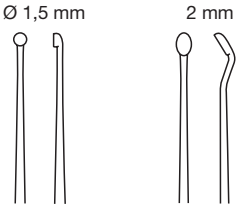
15 cm – 6″	15 cm – 6″
63.11.55	**63.11.54**

Austin



15 cm – 6″
63.11.65

Austin



15 cm – 6″	15 cm – 6″
63.12.15	**63.12.27**
Guilford-Wright	**Rosen**

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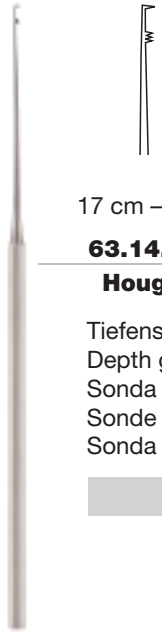
L links left izquierdo gauche sinistro

R rechts right derecho droite destro

MICRO



17 cm – 6¾″

63.14.10

Hough

Tiefensonde mit Markierungen bei:
Depth gauge, marks at:
Sonda de profundidad, graduada a:
Sonde de profondeur, marquées à:
Sonda di profondità con marcature a:

3,5 - 4,0 - 4,5 mm

1:1

mit Schutzkappe
with protective cap
con caperuza protectora
avec capuchon protecteur
con guaina

63.14.12

Fisch Winter

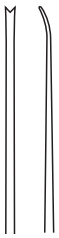
Tiefensonde, biegbar, mit Markierungen bei:
Depth gauge, flexible, marks at:
Sonda de profundidad, doblegable, graduada a:
Sonde de profondeur, flexible, marquées à:
Sonda di profondità, piegabile, con marcature a:

3,0 - 4,0 - 5,0 - 6,0 mm

Ø	
4 mm	**63.14.04**
6 mm	**63.14.06**

Prüfzylinder
Testing cylinder
Cilindro verificación
Cylindre de vérification
Cilindro di prova

Fisch



15 cm – 6″

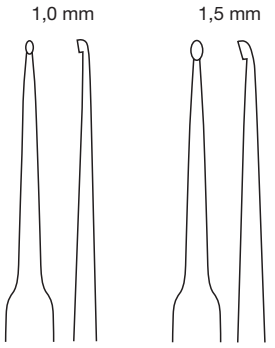
63.14.33

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

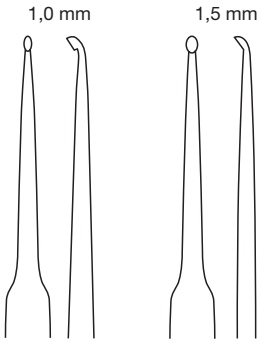
MICRO

1:1

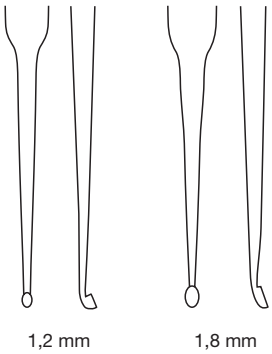
House



15 cm – 6″	15 cm – 6″
63.12.70	**63.12.75**



15 cm – 6″	15 cm – 6″
63.12.80	**63.12.85**



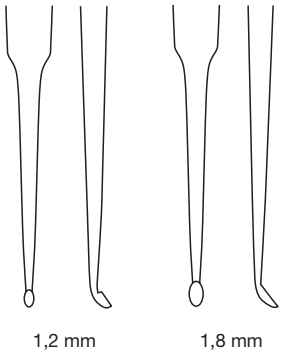
Scharfe Doppellöffel für die Stapedektomie, Arbeitsteil leicht nach vorne abgewinkelt

Double-ended sharp curettes for stapedectomy, cups slightly angled forward

Cucharillas doble para la estapedectomia, partes de trabajo ligeramente acodadas hacía delante

Curettes doubles pour la stapédectomie, parties opérantes légèrement coudées en avant

Cucchiai doppi taglienti 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 doubles pour la stapédectomie, parties opérantes fortement coudées en avant

Cuchiai doppio tagliente per la stapedectomia, 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 trocar

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

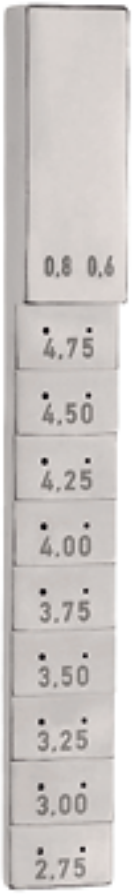
Hand-Trephine
Hand trephine
Trefina de mano
Tréphine à main
Trefina a mano

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 Schneideblock 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 with 2 rows of holes for prostheses with a shaft Ø of 0,6 mm and 0,8 mm made of stainless steel. 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 de trous 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 le trou 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 mm 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

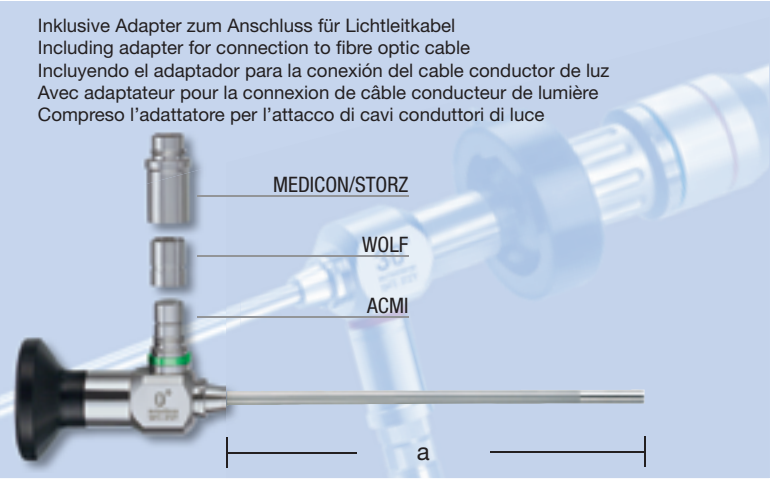
Biegegerät zum Formen von Stapes-Drahtprothesen, 90°, mit Millimeter-Einteilung, aus rostfreiem Stahl.

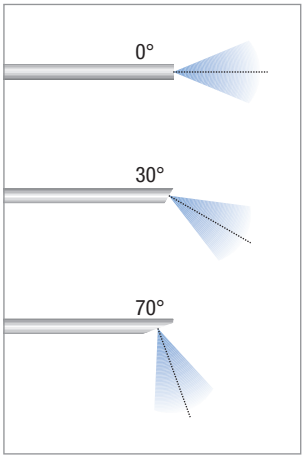
Bending device for stapedial wire prostheses, 90°, scale graduated in millimetres, stainless steel.

Dispositivo para modelar, para formar prótesis estapedienses de hilo, con placa 90°, graduación en mm, de acero inoxidable.

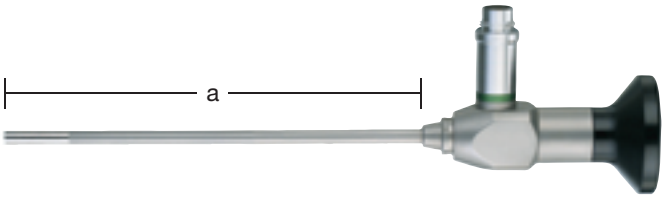
Dispositif pour modeler les prothèses stapédiennes en fil, 90°, gradué en millimètres, en acier inoxydable.

Dispositivo per piegare le protesi di stapes in filo d'acciaio, 90°, con graduazione in millimetri, in acciaio inossidabile.





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°



Antibeschlagmittel siehe Seite 207
Antifog solution please see page 207
Liquido antiempaño vea la página 207
Moyen anti-embuant voir page 207
Detersivo antiappannamento vedi pagina 207

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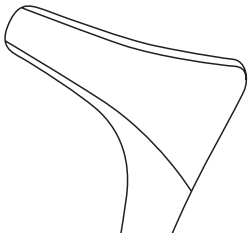
1

15 cm – 6″

66.02.01

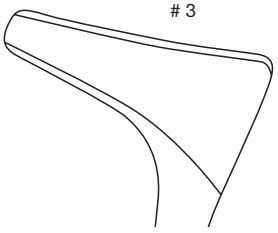
2



15 cm – 6″

66.02.02

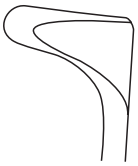
3



15 cm – 6″

66.02.03

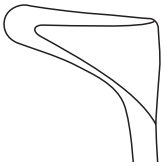
Hartmann



13,5 cm – 5⅜″

66.01.10

für Säuglinge
for babies
para lactantes
pour nourrissons
per neonati



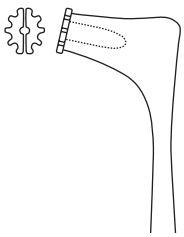
13,5 cm – 5⅜″

66.01.11

für Kleinkinder
for infants
para niños pequeños
pour petits enfants
per bambini piccoli

Tieck-Halle

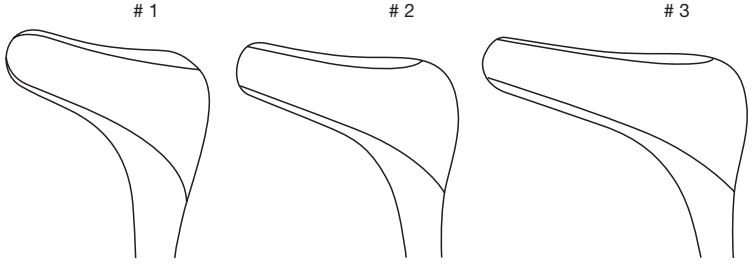
Spekulum zur Entfernung von Osteosynthesematerialien
Speculum for removal of osteosynthesis materials
Espéculo para la remoción de implantes para la osteosíntesis
Spéculum pour l'enlèvement de matériel d'ostéosynthèse
Specolo per rimozione di mezzi di sintesi



13,5 cm – 8¾″

66.01.20

Kluba

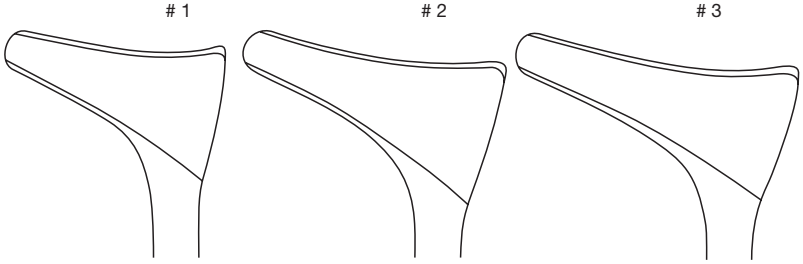


	# 1	# 2	# 3
	15 cm – 6″	15 cm – 6″	15 cm – 6″
	66.03.01	**66.03.02**	**66.03.03**
*	**66.03.51***	**66.03.52***	**66.03.53***

Hartmann-Halle

* aseptischer Verschluss (zerlegbar)
aseptic lock (dismantable)
articulación aséptica (desmontable)
articulation aseptique (démontable)
articolazione asettica (smontabile)

Hartmann-Halle

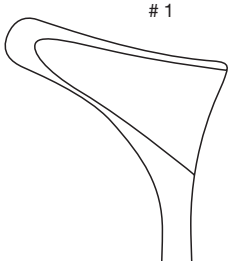


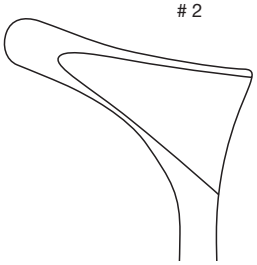
	# 1	# 2	# 3
	14 cm – 5½″	14 cm – 5½″	14 cm – 5½″
	66.05.01	**66.05.02**	**66.05.03**

Standardmodell
Standard pattern
Modelo estándar
Modèle standard
Modello standard

Mod. Wien

1 # 2



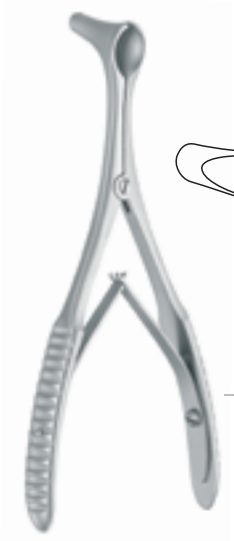


13 cm – 5⅛″ 13 cm – 5⅛″

66.05.31 **66.05.32**

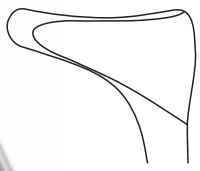
leichtes Modell
light pattern
modelo ligero
modèle léger
modello leggero

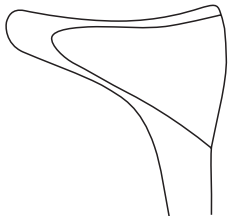
Mod. Wien

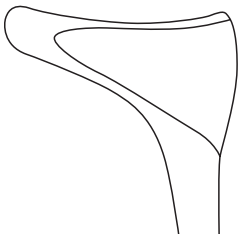


Mod. Wien

1 # 2 # 3

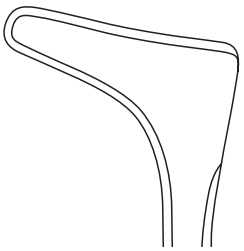






14 cm – 5½″ 14 cm – 5½″ 14 cm – 5½″

66.05.51 **66.05.52** **66.05.53**

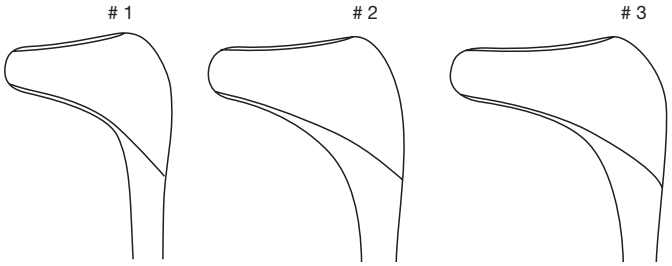


14 cm – 5½″

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**

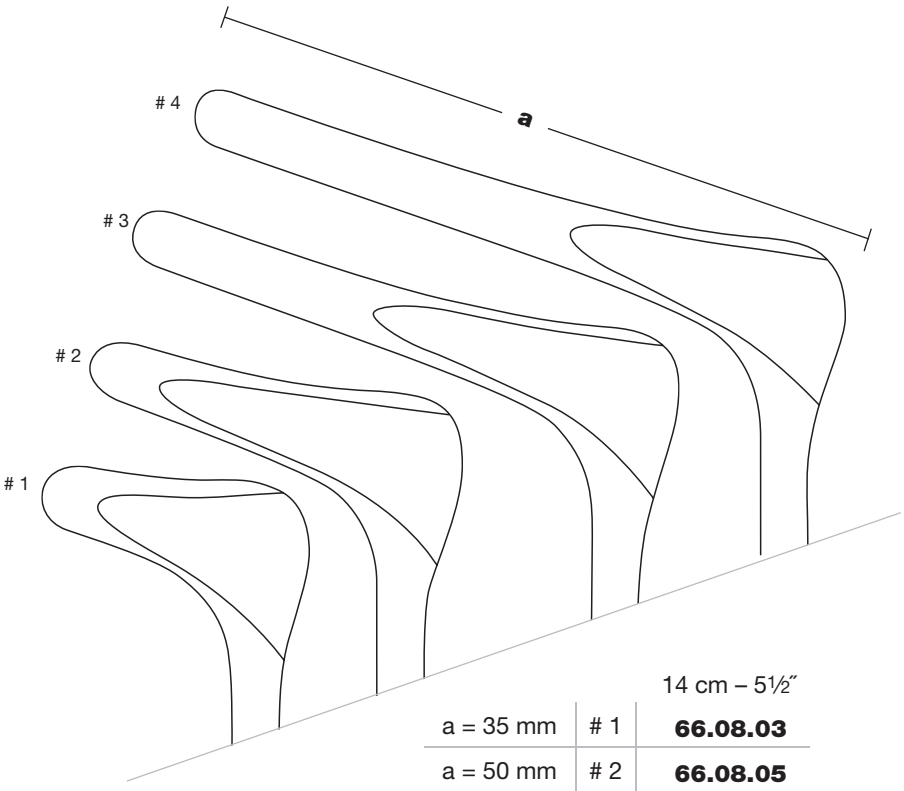
13 cm – 5⅛″

66.07.00

für Kleinkinder
for infants
para niños
pour petits enfants
per bambini

Beckmann

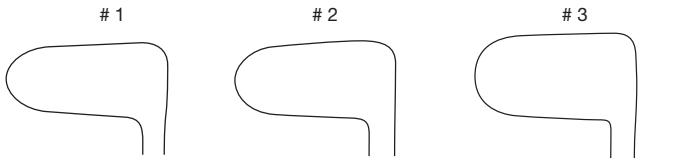
Killian



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**

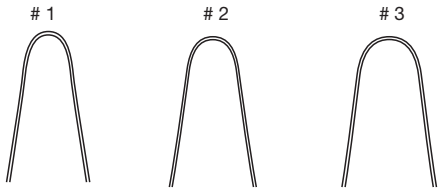
Thudichum (Goldsmith)



6,5 cm – 2½″	6,5 cm – 2½″	6,5 cm – 2½″
66.09.01	**66.09.02**	**66.09.03**

selbsthaltend
self-retaining
autoestático
autostatique
autostatico

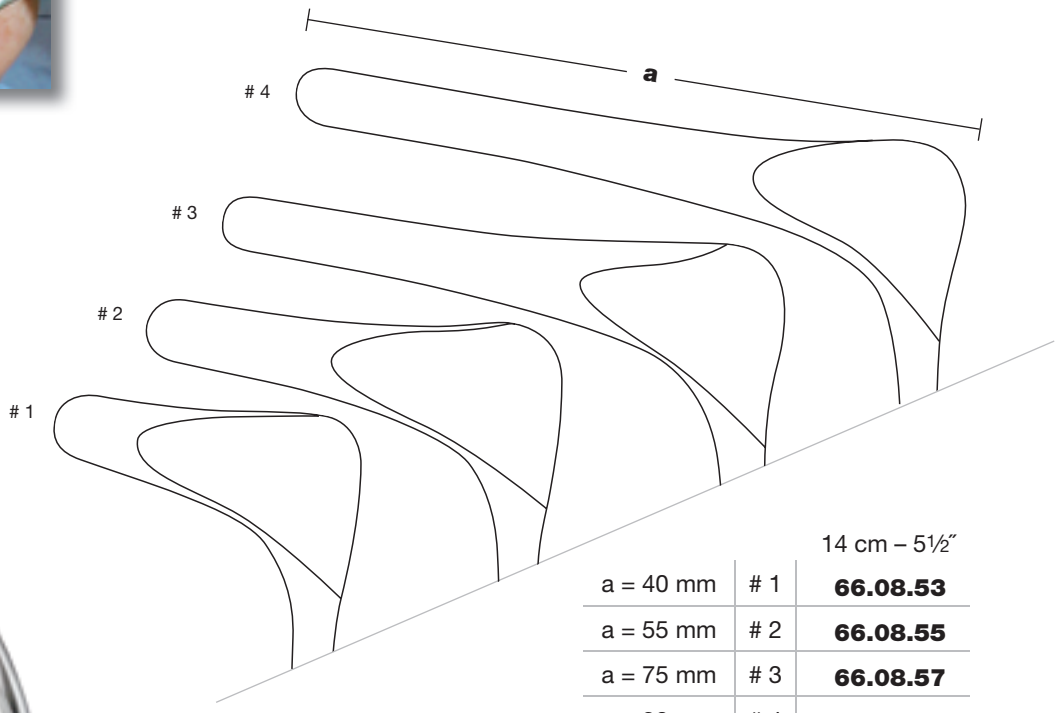
Voltolini (Duplay)



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 una vite

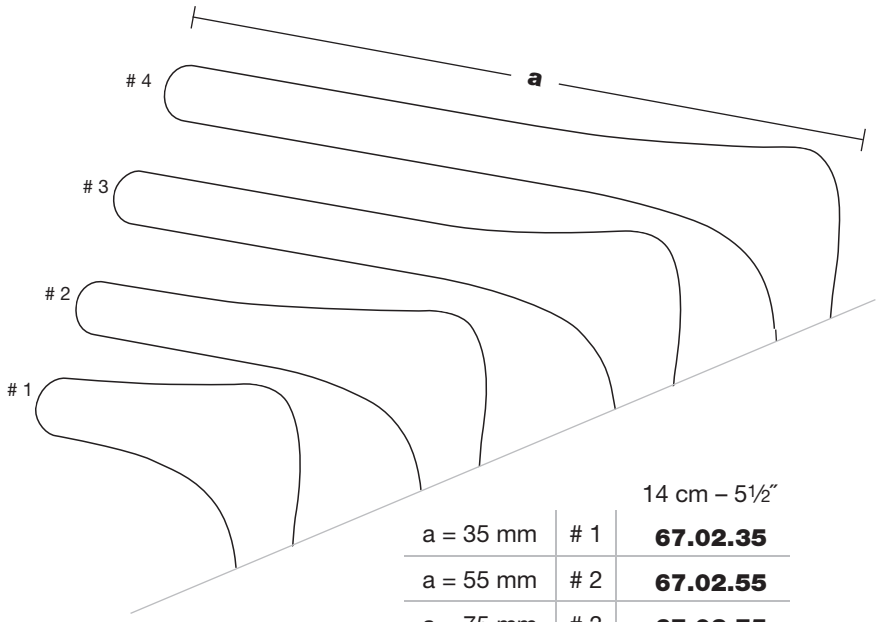
Killian



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)



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

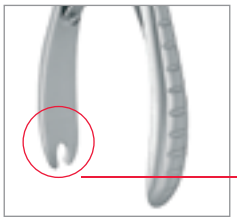
Nasenseptumspekulum
Nasal septum speculum
Espéculo para el septo nasal
Spéculum pour la cloison nasale
Specolo per il setto nasale

Cottle

13 cm – 5⅛″

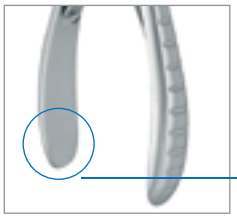
67.03.52

Cottle



❶

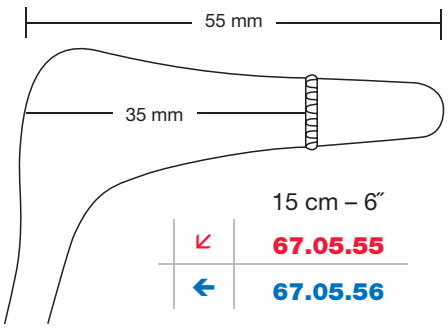
mit Aufnahme für Leyla Spannarm 57.59.10
with connector for Leyla holding arm 57.59.10
con adaptador para Leyla brazo tensor 57.59.10
avec adaptateur pour Leyla bras tendeur 57.59.10
con adattatore per Leyla braccio tenditore 57.59.10



❷

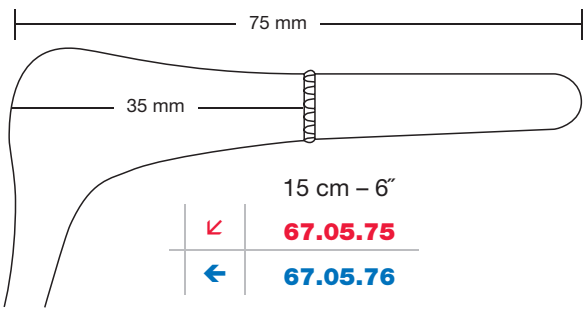
ohne Aufnahme für Haltearm 66.10.20
without connector for holding arm 66.10.20
sin adaptador para brazo de soporte 66.10.20
sans adaptateur pour bras de support 66.10.20
senza adattatore per braccio di supporto 66.10.20

Killian



15 cm – 6″

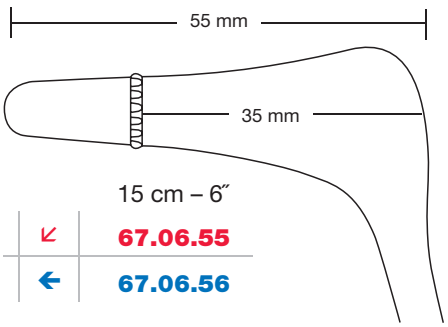
↙	**67.05.55**
←	**67.05.56**



15 cm – 6″

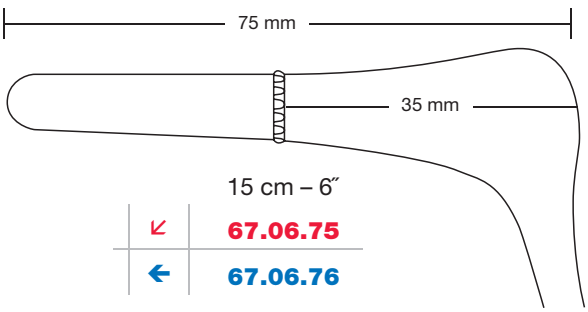
↙	**67.05.75**
←	**67.05.76**

Killian



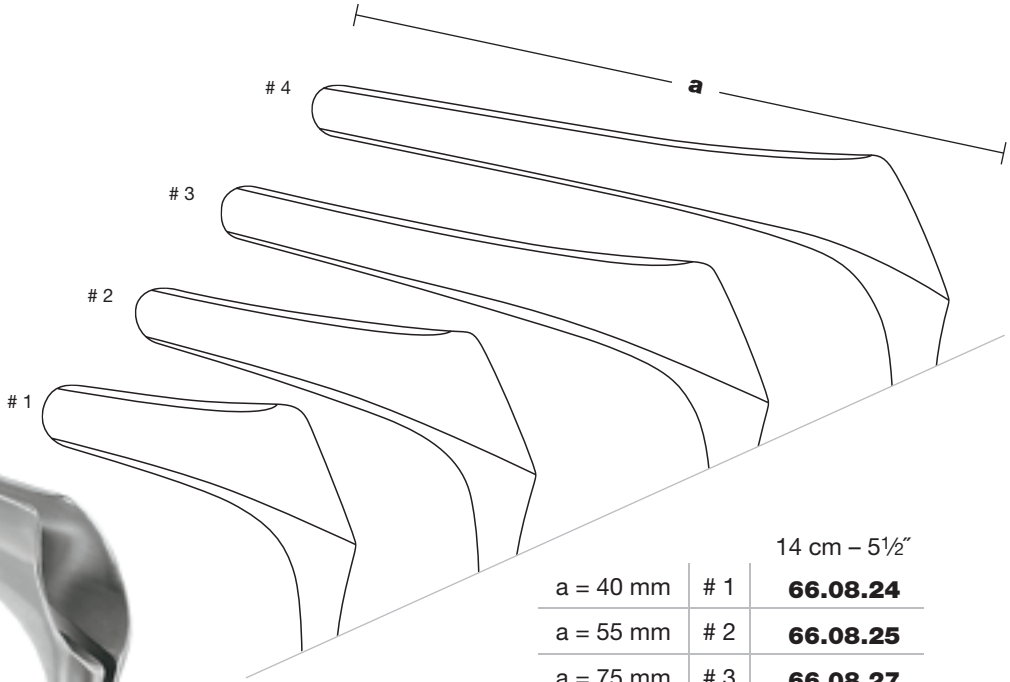
15 cm – 6″

↙	**67.06.55**
←	**67.06.56**



15 cm – 6″

↙	**67.06.75**
←	**67.06.76**



1:1

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

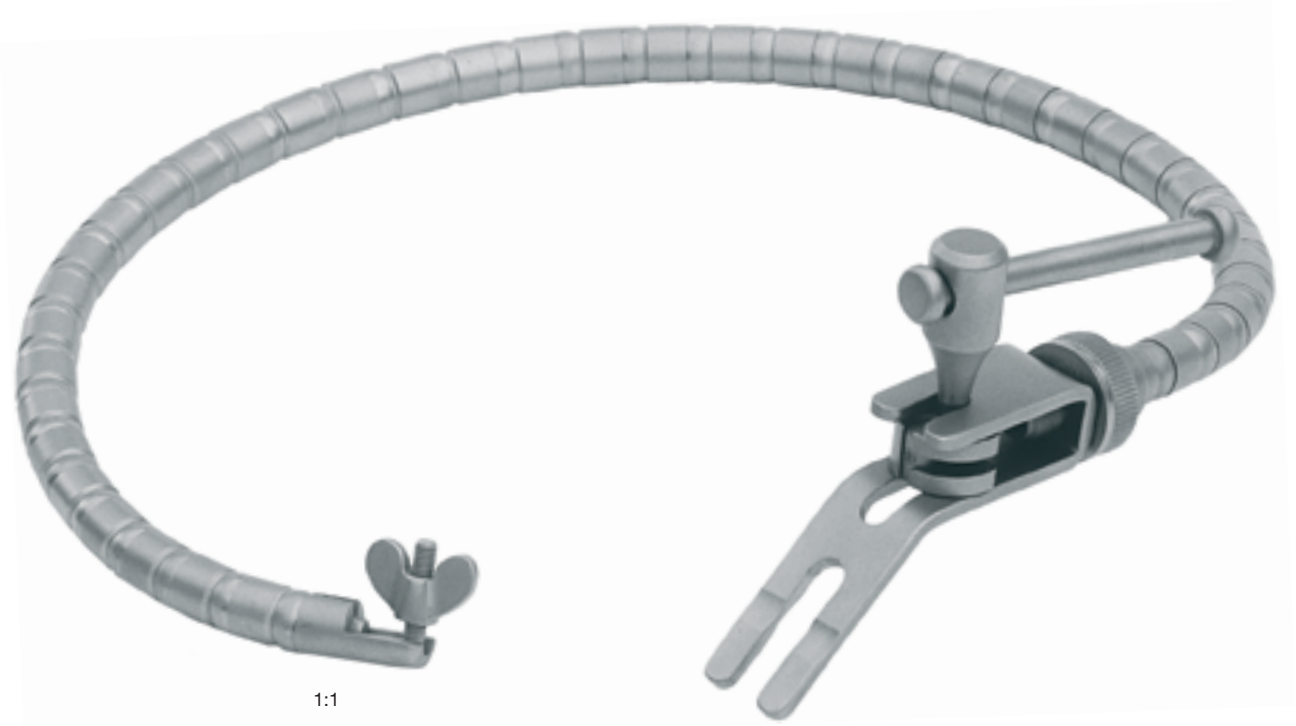
- with ratchet
- self-retaining
- one-hand operation

- 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
Gesamtlänge inklusive Universalaufnahme 66.10.21 ca. 65 cm

Medicon holding arm with universal clamp base
for rails 25 × 10 mm – 35 × 8 mm and tubes Ø 12 – 30 mm
Length overall approx. 65 cm together with universal clamp 66.10.21

Medicon brazo de soporte con casquillo universal
para rieles 25 × 10 mm – 35 × 8 mm y tubos Ø 12 – 30 mm
Longitud incluso el soporte universal 66.10.21 aprox. 65 cm

Medicon bras de support avec socle universel
pour rails 25 × 10 mm – 35 × 8 mm et tubes Ø 12 – 30 mm
Longueur totale avec socle universel 66.10.21 env. 65 cm

Medicon braccio di supporto con zoccolo universale
per lamiere 25 × 10 mm – 35 × 8 mm e tubi Ø 12 – 30 mm
La lunghezza totale compreso il supporto universale 66.10.21
è di ca. 65 cm

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

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
66.15.43	**66.15.44**	**66.15.45**

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, preformados
Fils pour serre-nœud, préformées
Fili per serranodi, preformati

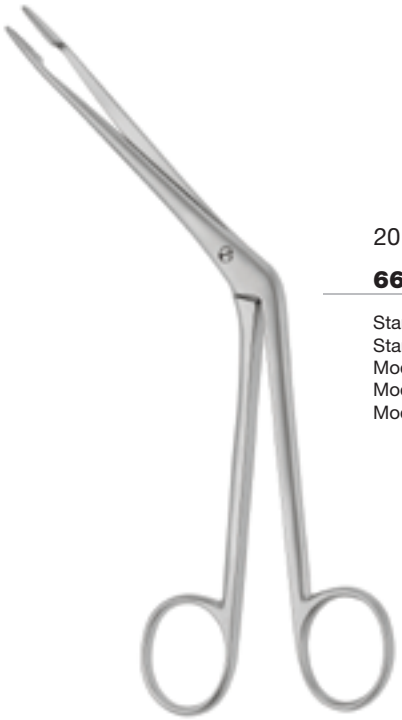
Bündel zu 100 Stück
Bundle of 100 pieces
Atado de 100 piezas
Botte de 100 pièces
Confezione da 100 pezzi

18 cm – 7⅛″

66.20.10

feines Modell
delicate pattern
modelo fino
modèle fin
modello fine

Hartmann

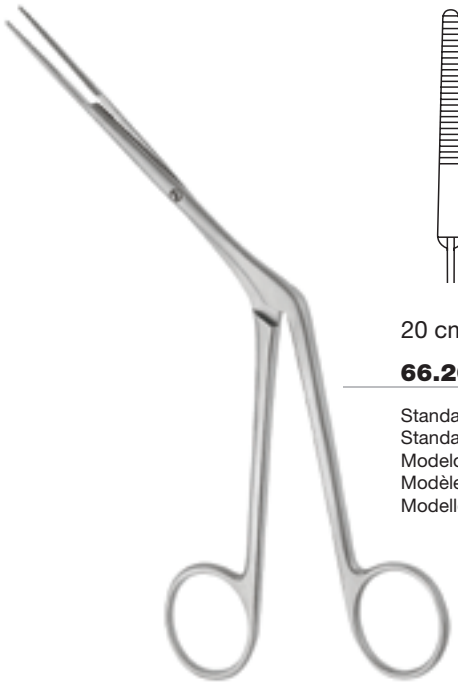


20 cm – 8″

66.20.11

Standardmodell
Standard pattern
Modelo estándar
Modèle standard
Modello standard

Hartmann



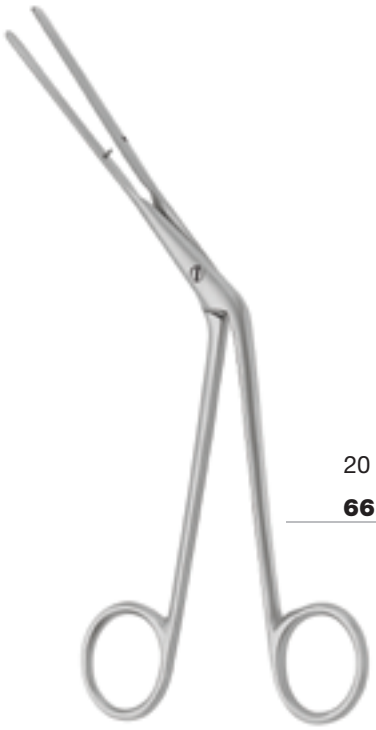
20 cm – 8″ | 20 cm – 8″

66.20.25 | **66.20.27**

Standardmodell / Standard pattern / Modelo estándar / Modèle standard / Modello standard

Feines Modell / Delicate pattern / Modelo fino / Modèle fin / Modello fine

Westmacott



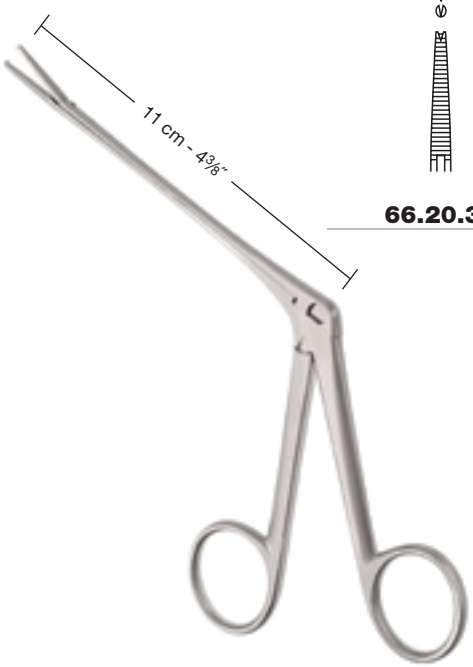
20 cm – 8″

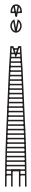
66.20.28

Lubet-Barbon

66.20.30

Noyes





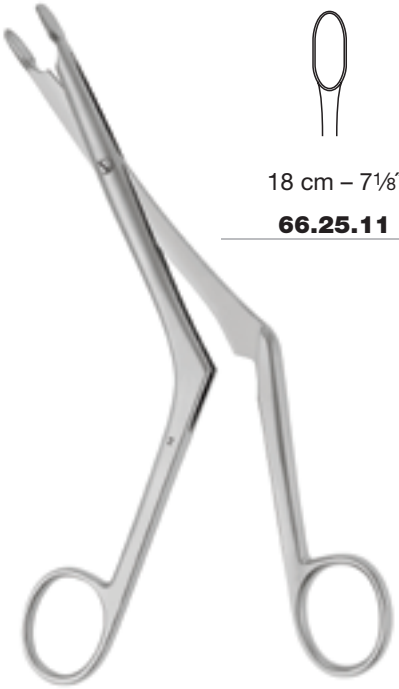
66.20.31

Noyes

17 cm – 6¾″

66.20.35

Tilley



1

18 cm – 7⅛″

66.25.11

2

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

# 1	# 2	# 3
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

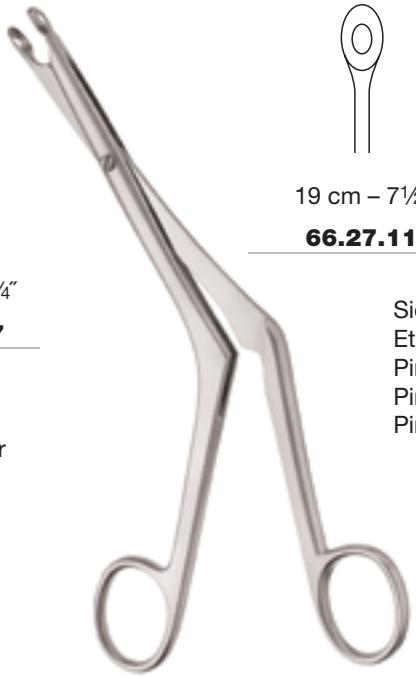
Knight

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

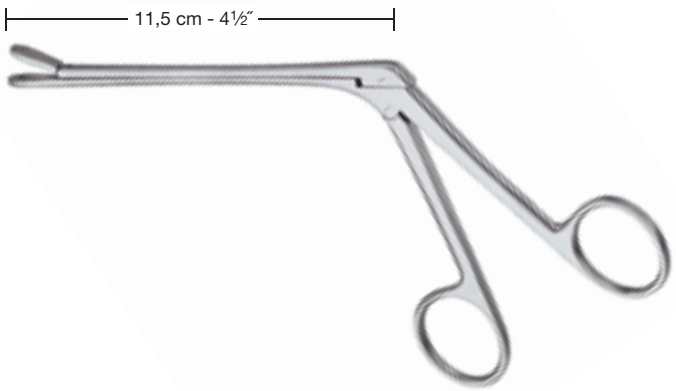
Craig-Domnick



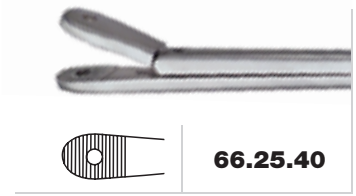
# 1	# 2	# 3
19 cm – 7½″	19 cm – 7½″	19 cm – 7½″
66.27.11	**66.27.12**	**66.27.13**

Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoides
Pinces pour os ethmoïdal
Pinze per osso etmoidale

Luc

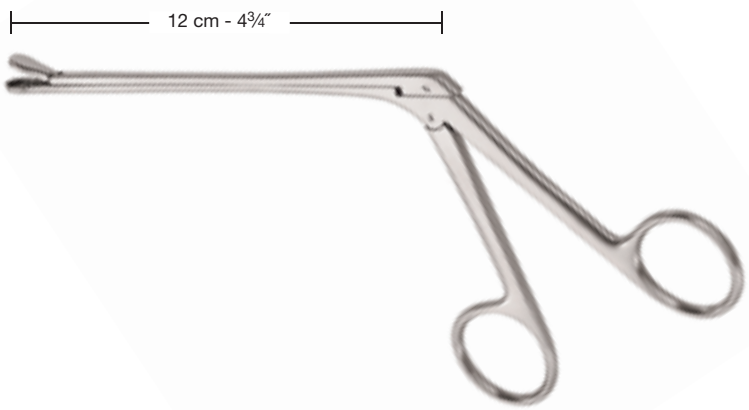


Ferris-Smith

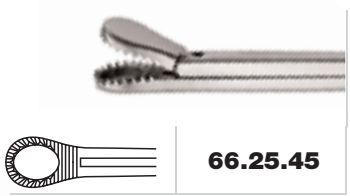


66.25.40

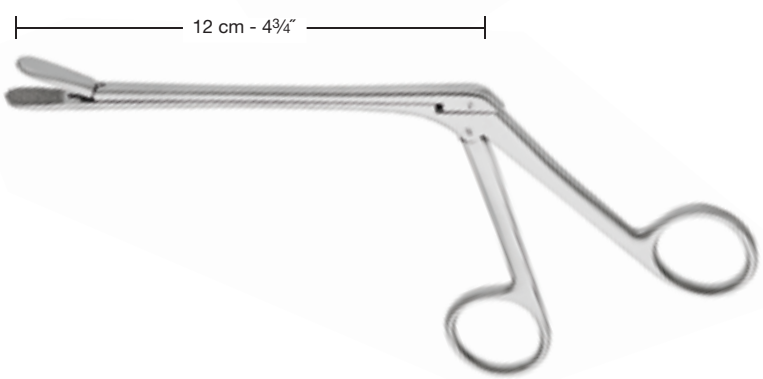
Sequesterzange
Sequestrum forceps
Pinza para secuestrectomía
Pince à séquestre
Pinza per sequestri



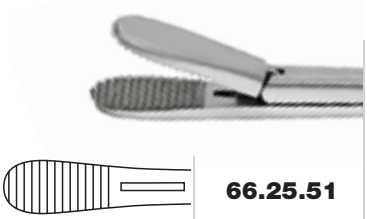
Blakesley



66.25.45



Blakesley



66.25.51

66.25.55

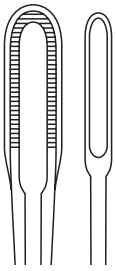
Siebbeinzange
Ethmoid bone forceps
Pinza para hueso etmoides
Pince pour os ethmoïdal
Pinza per osso etmoidale

Watson-Williams

19 cm – 7½″

66.25.60

Jansen-Middleton



19 cm – 7½″

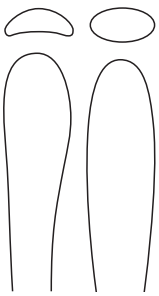
66.25.65

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

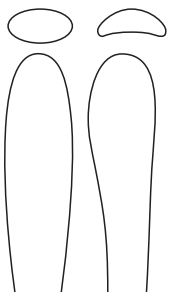
Walsham



23 cm - 9″

67.65.11

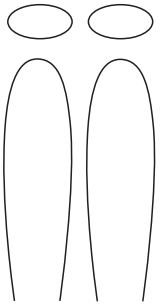
rechts
right
derecha
droite
destra



23 cm - 9″

67.65.12

links
left
izquierda
gauche
sinistra

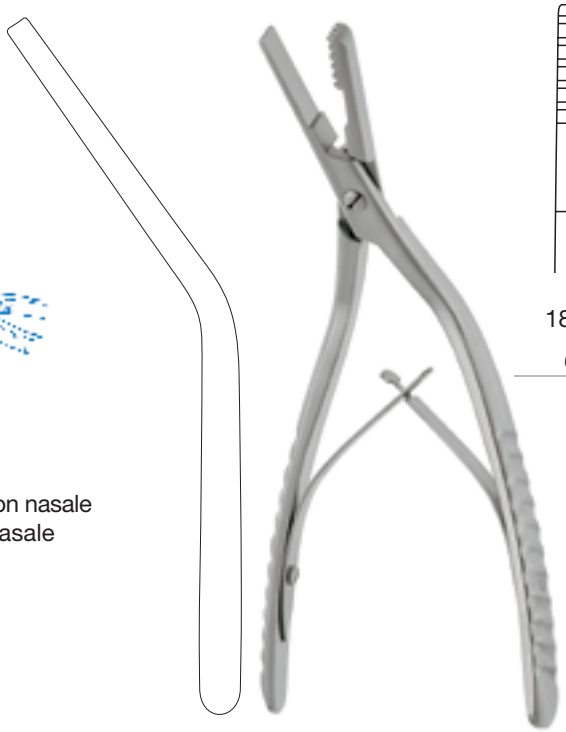


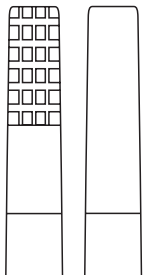
23 cm - 9″

67.65.10

Walsham “Universal”

Septum-Zerschneider
Septum cutter
Cortador del septo
Pince perforatrice de la cloison nasale
Pinza tagliente per il setto nasale

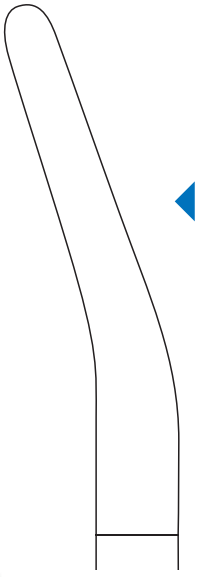




18,5 cm - 7¼″

67.65.18

Obwegeser

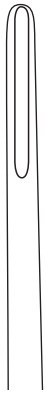


Septumrichtzange
Septum straightening forceps
Pinza para enderezar el tabique nasal
Pince pour le redressement de la cloison nasale
Pinze per rizzare il setto nasale

22 cm - 8¾″

67.65.20

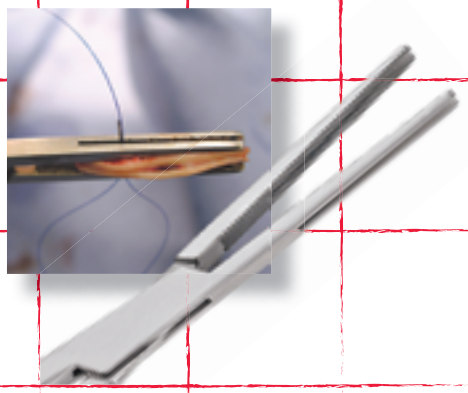
Asch



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.

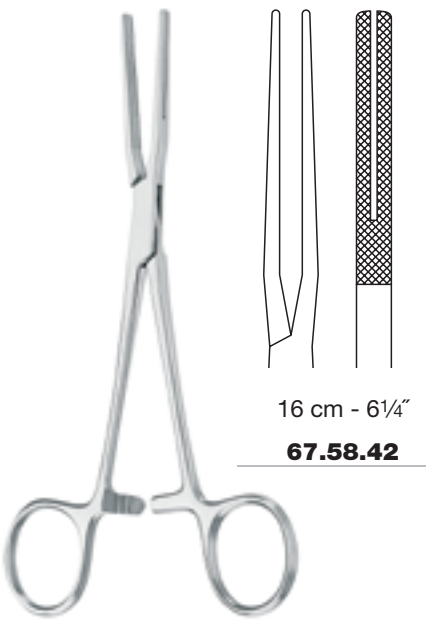
Des implants de cartilage à plusieurs couches peuvent être suturés exactement l'un avec l'autre.

Trapianti di cartilagine stratificati possono essere ricuciti esattamente l'un con l'altro.

16 cm - 6¼″

67.58.40

Aiach



16 cm - 6¼″

67.58.42

Aiach-Gubisch

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.

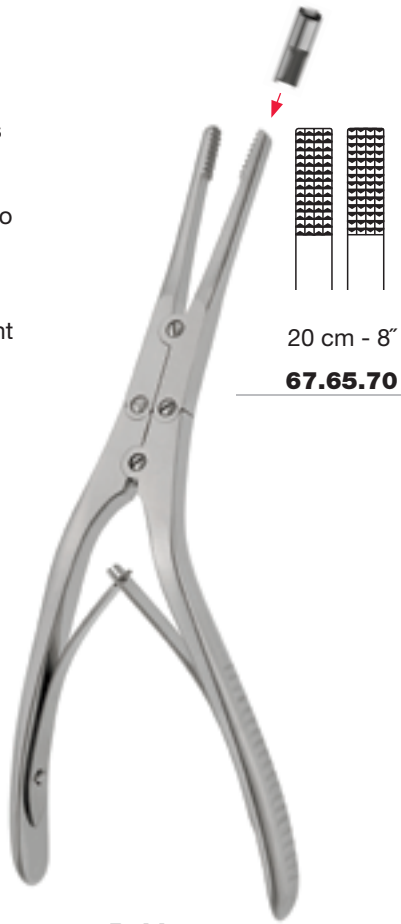
Septum-Quetschzangen
mit Schutzkappe

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 appiattimento
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

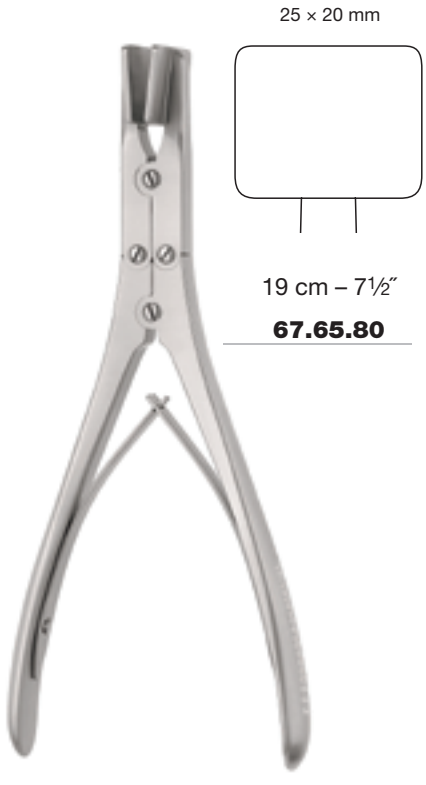
Rubin

20 cm - 8″

67.65.76

Rubin “HM”

Knorpel-Quetschzange
Cartilage morselizer
Pinza aplastadora de cartílagos
Pince presse-cartilage
Pinza tritacartilagine



19 cm – 7½″

67.65.80

Tschoepe

Schutzkappe
Protective cap
Caperuza protectora
Capuchon protecteur
Cappuccio di protezione

67.65.71

Die Schutzkappe kann je nach Bedarf auf rechtes oder linkes Maulteil umgesteckt werden.

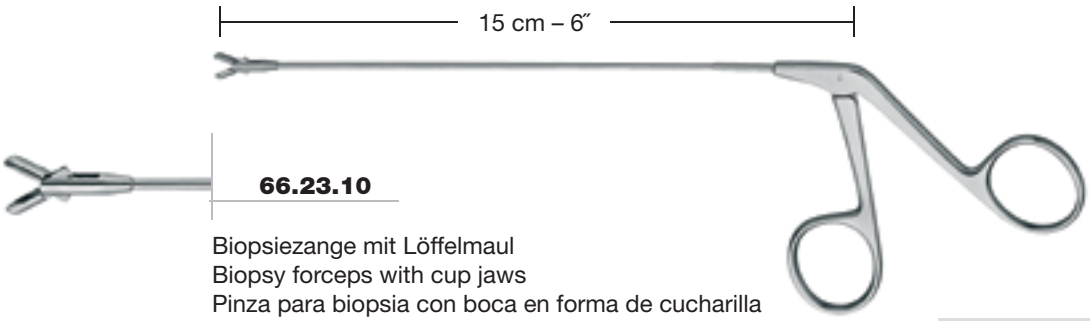
According to the requirements of operation, the cap may be placed either on the right or the left jaw.

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.

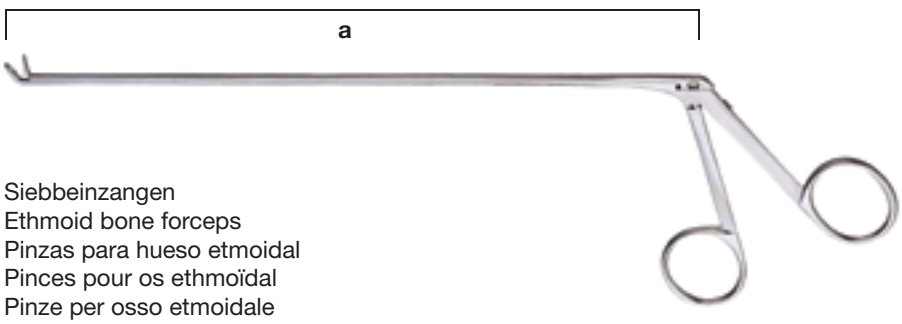
“HM” Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



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 morso 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

Strümpel

	gerade straight recta droit retta	aufgewinkelt angled upwards angulado hacia arriba coudé en haut angolata verso l'alto **60°**	aufgewinkelt angled upwards angulado hacia arriba coudé en haut angolata 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**

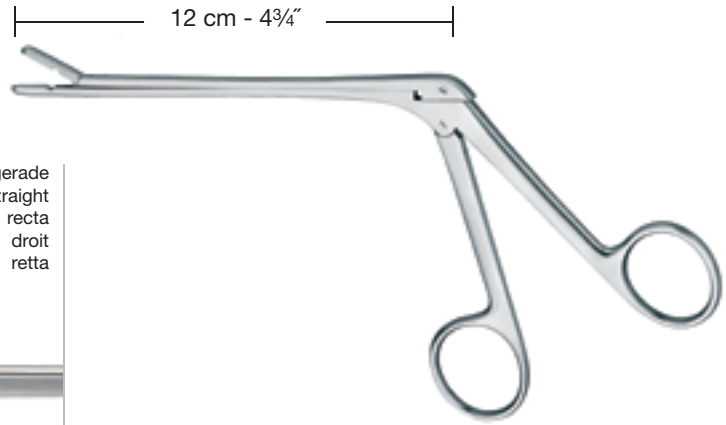
13 cm - 5⅛″

66.25.57

Kieferhöhlen-Fasszange
Maxillary sinus grasping forceps
Pinza para agarrar el seno maxilar
Pince pour saisir le sinus maxillaire
Pinza da presa per seno mascellare

Schaft
Shaft
Vástago
Tige
Asta
ø **2,5** mm

12 cm - 4¾″



gerade
straight
recta
droit
retta

2 × 8 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

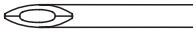
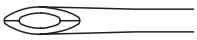
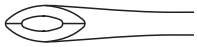
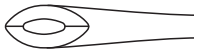
Takahashi

12 cm - 4¾″

Weil-Blakesley

Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoidal
Pinces pour os ethmoïdal
Pinze per osso etmoidale

mit normalem Schaft
with normal shaft
con vástago normal
à tige normale
con asta normale

	gerade straight recta droit retta	aufgewinkelt angled upwards angulado hacia arriba coudé en haut angolata verso l'alto	aufgewinkelt angled upwards angulado hacia arriba coudé en haut angolata verso l'alto
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
à 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 droit retta	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata 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 aspiration frontale
con aspirazione frontale

10 cm - 4″

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino

Luer-Lock ♀

gerade straight recta droit retta	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto
	45°
2,5 mm	
66.27.61	**66.27.64**

10 cm - 4″

Takahashi

	gerade straight recta droit retta	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto 45°
2,5 mm		
3,5 mm	**66.27.56**	**66.27.58**
	66.27.57	**66.27.59**

Schaft
Shaft
Vástago
Tige
Asta
ø **4** mm

10 cm - 4″

Weil-Blakesley

	gerade straight recta droit retta	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata 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

mit Absaugung
with suction
con aspiración
avec aspiration
con aspirazione

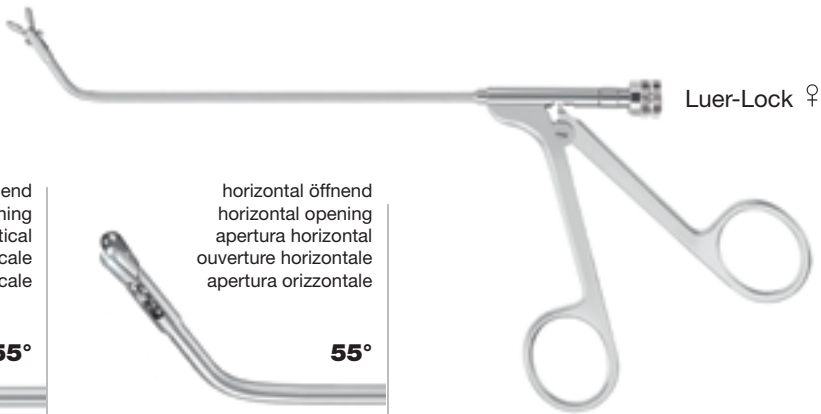
Polypenfasszangen
Polyp grasping forceps
Pinzas para agarrar pólipos
Pinces à polypes
Pinze da presa per polipi

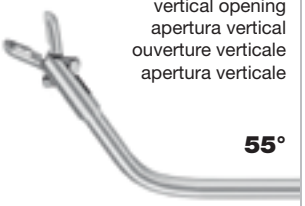
13 cm - 5⅛″

aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata ve rso l'alto **80°**	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata 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″

Luer-Lock ♀

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″

Luer-Lock ♀

vertikal öffnend
vertical opening
apertura vertical
ouverture verticale
apertura verticale

110°

horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale

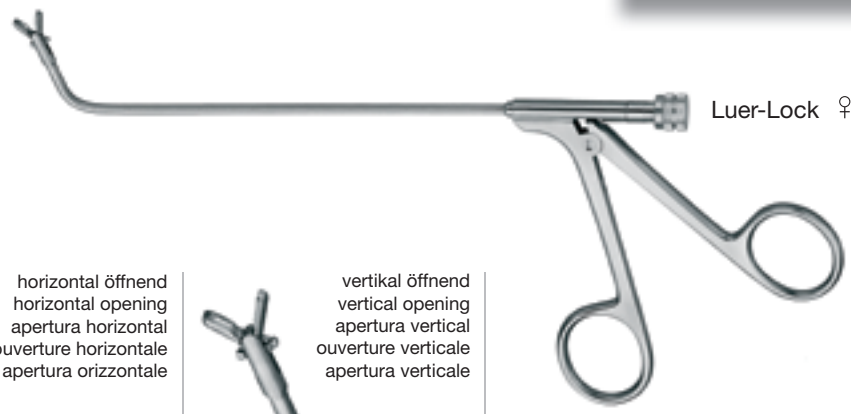
110°

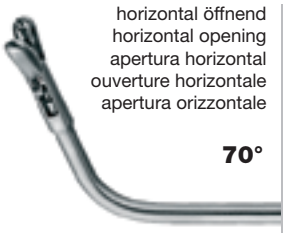
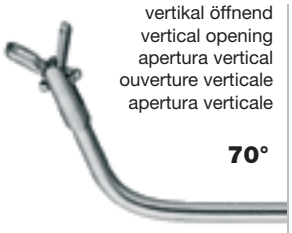
Schaft
Shaft
Vástago
Tige
Asta

ø **2,7** mm

4 mm ⬭	**66.29.40**	**66.29.41**

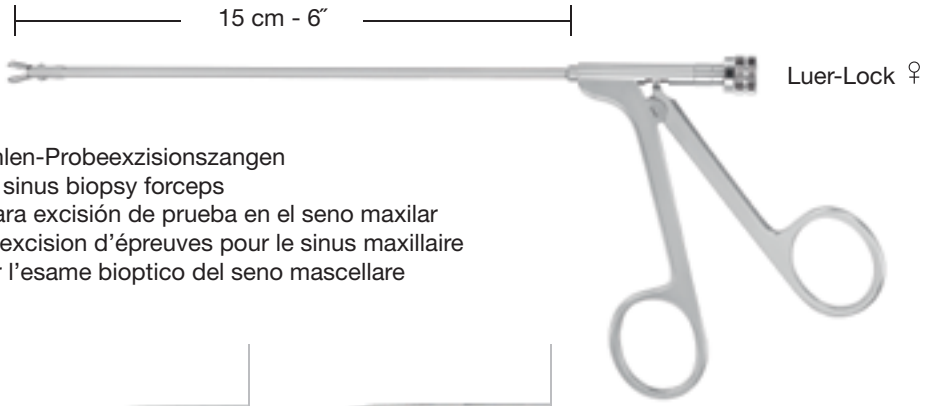
13 cm - 5⅛″



horizontal öffnend horizontal opening apertura horizontal ouverture horizontale apertura orizzontale **70°**	vertikal öffnend vertical opening apertura vertical ouverture verticale apertura verticale **70°**
	
3 mm **66.29.56**	**66.29.57**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm

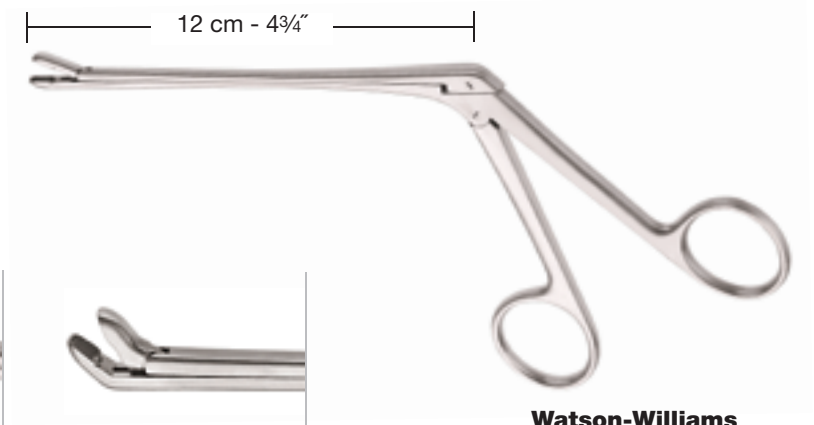
15 cm - 6″



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

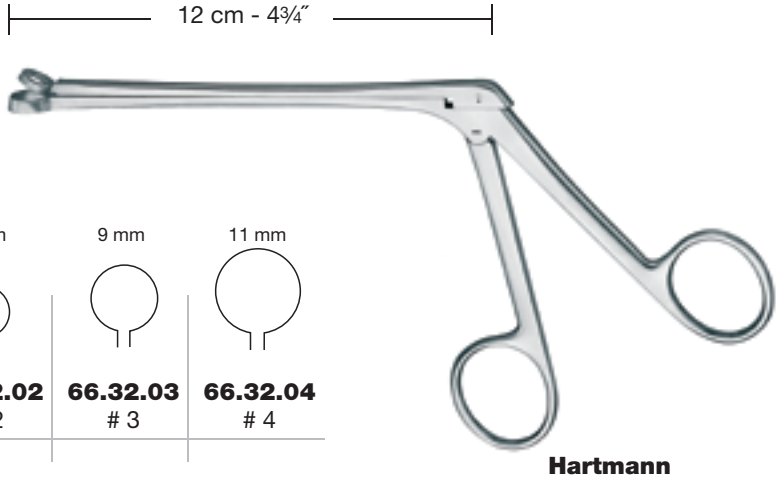
gerade straight recta droit retta	**70°** nach unten gewinkelt angled downwards angulada hacia abajo coudé en bas angolata verso l'alto	**110°** nach unten gewinkelt angled downwards angulada hacia abajo coudé en bas angolata verso l'alto
3 mm **66.29.80**	**66.29.81**	**66.29.82**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm



66.30.10 **66.30.11**

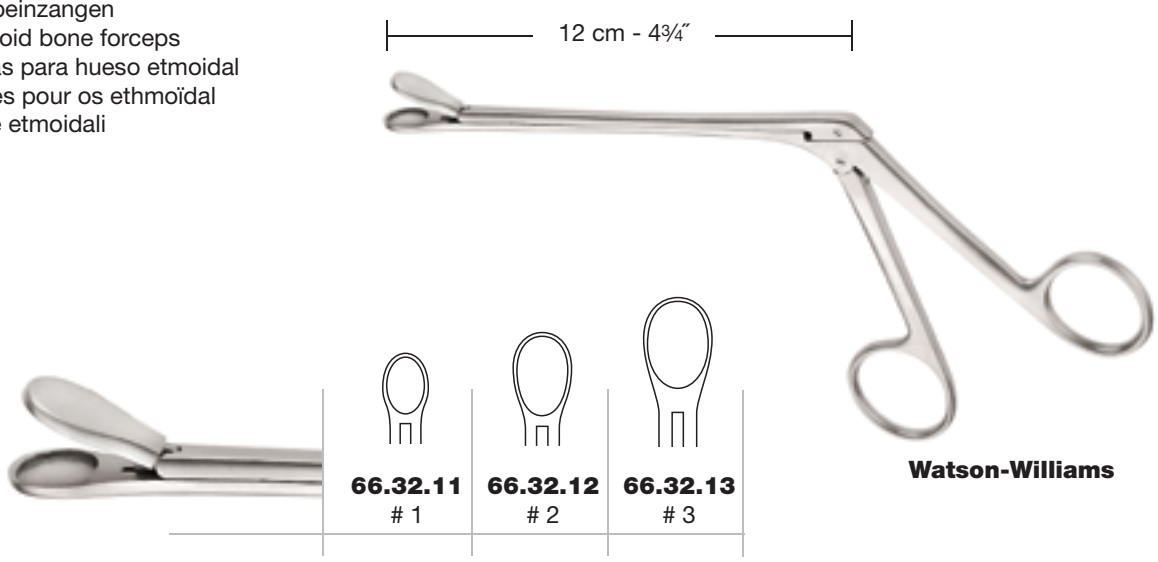
Watson-Williams



5 mm	7 mm	9 mm	11 mm
66.32.01 # 1	**66.32.02** # 2	**66.32.03** # 3	**66.32.04** # 4

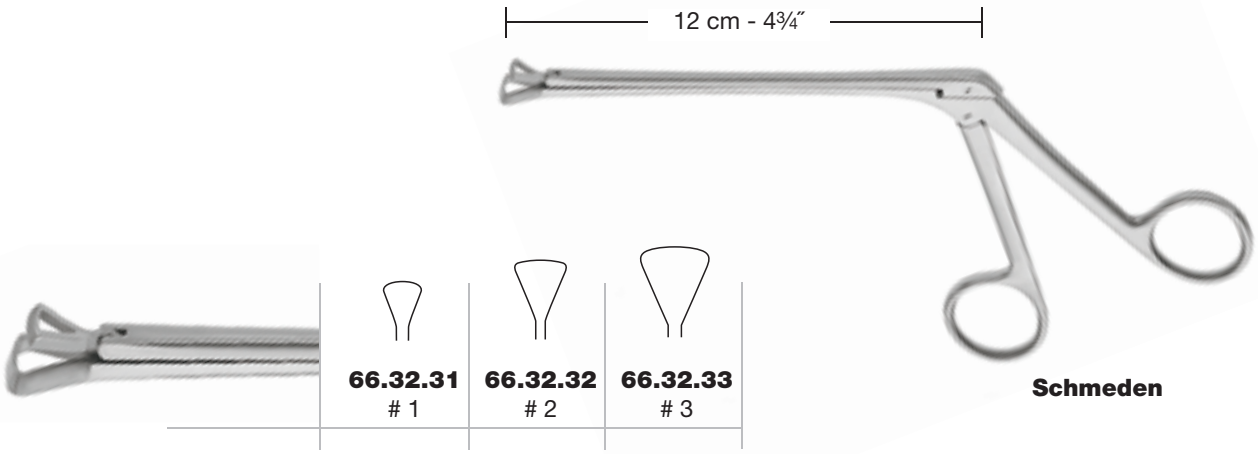
Hartmann

Siebbeinzangen
Ethmoid bone forceps
Pinzas para hueso etmoidal
Pinces pour os ethmoïdal
Pinze etmoidali



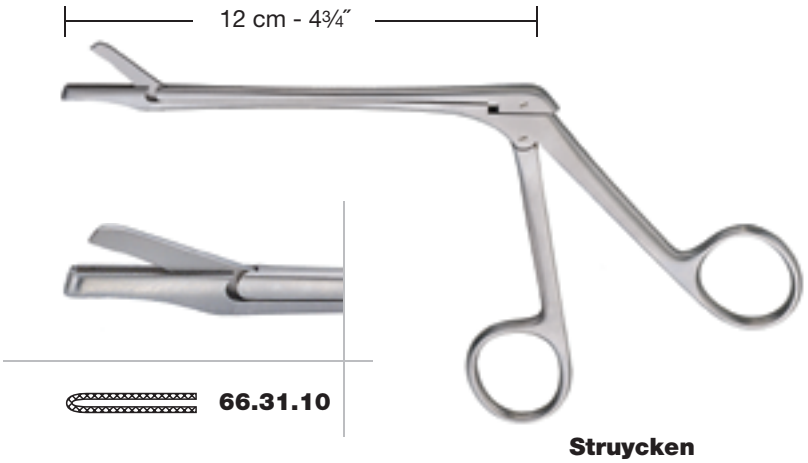
66.32.11	66.32.12	66.32.13
# 1	# 2	# 3

Watson-Williams

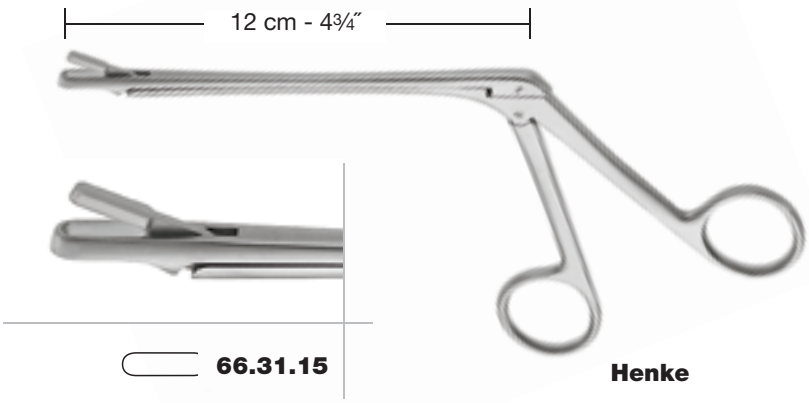


66.32.31	66.32.32	66.32.33
# 1	# 2	# 3

Schmeden

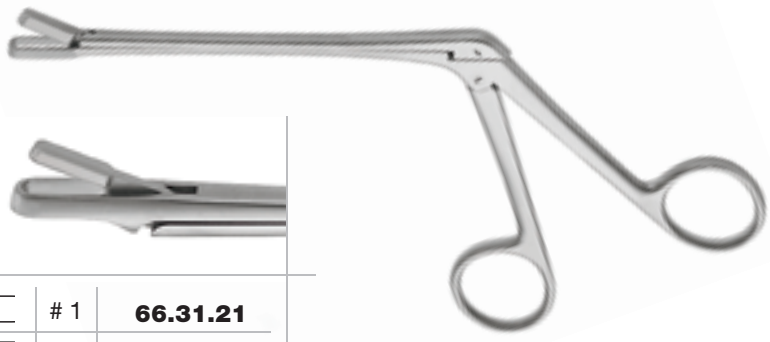


Struycken



Henke

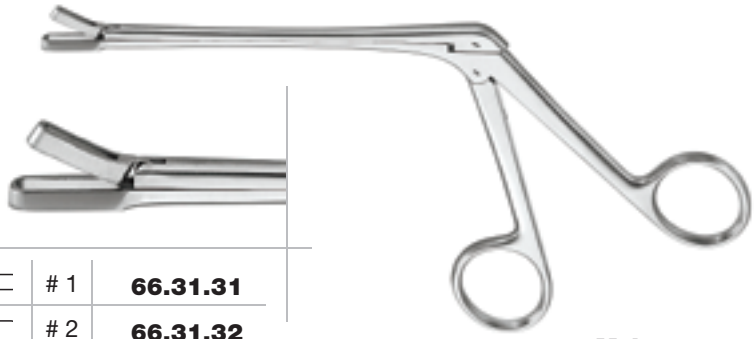
12 cm - 4¾″



	# 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

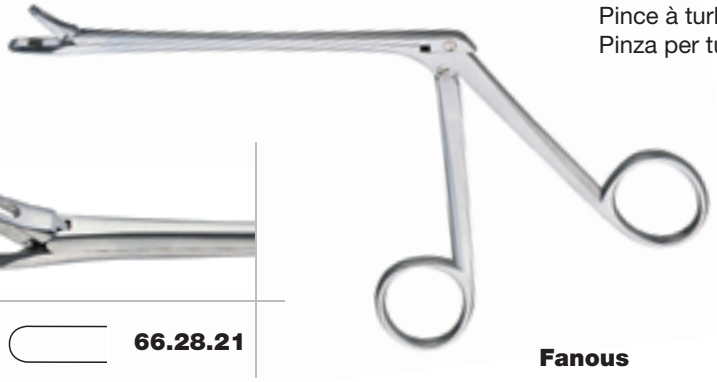
11,5 cm - 4½″

Weil-Blakesley

	gerade straight recta droit retta	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata 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″

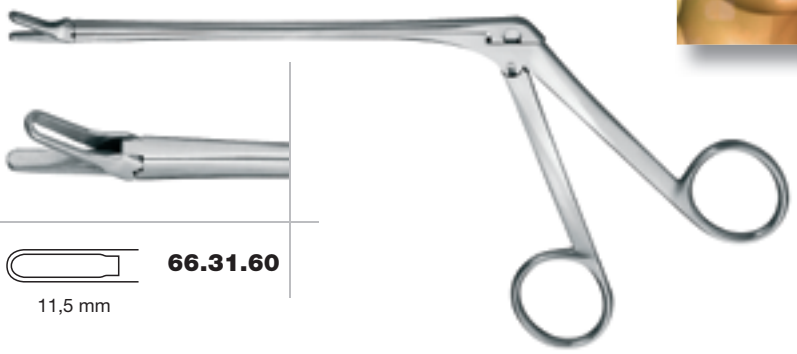


66.28.21

Fanous

Nasenzangen durchschneidend
Nasal Forceps through-cutting
Pinzas nasales cortantes
Pinces nasales coupantes
Pinze nasali taglienti

14 cm - 5½″



2,5 mm

11,5 mm

66.31.60

Gruenwald

11,5 cm - 4½″

Luer-Lock ♀

rechts gebogen
curved right
curva derecha
courbé à droite
curva a destra

30°

2,5 mm

66.28.23

links gebogen
curved left
curva izquierda
courbé à gauche
curva a sinistra

30°

66.28.24

Weil-Blakesley

Schaft
Shaft
Vástago
Tige
Asta

ø **3,4** mm

10 cm - 4″

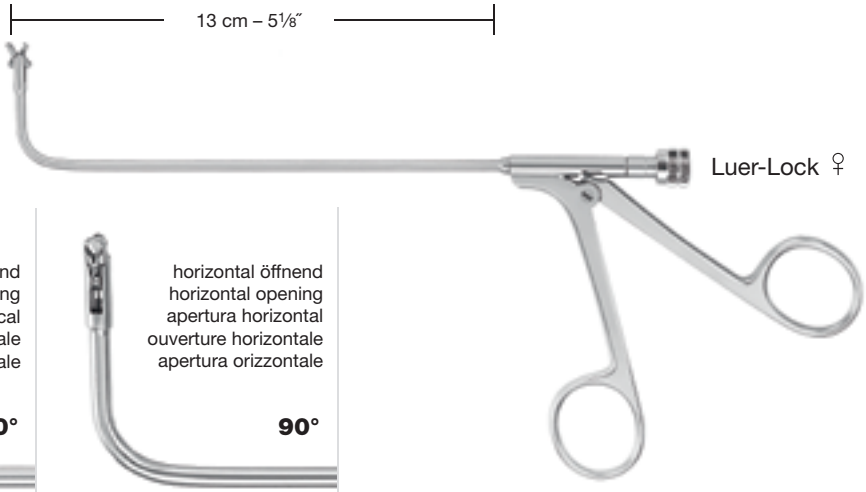
Luer-Lock ♀

mit Frontalabsaugung
with frontal suction
con aspiración frontal
à aspiration frontale
con aspirazione frontale

2,0 mm **66.27.67**

2,5 mm **66.27.68**

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino



	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**

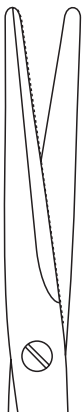
Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm

	gerade straight recta droit retta	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata 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**

Gruenwald

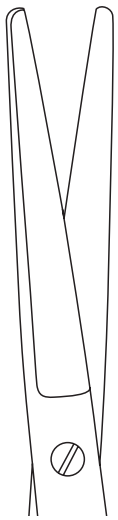
Schaft
Shaft
Vástago
Tige
Asta
ø **3,4** mm

gezahnte Schneide
serrated cutting edge
hoja dentada
lames dentelée
lame dentellate



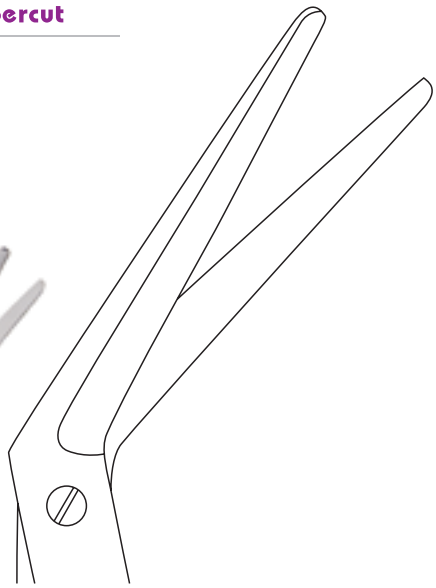
17 cm - 6¾″	17 cm - 6¾″	18 cm - 7⅛″	
66.40.20	**66.40.21**		standard
		266.40.21	supercut

Heymann



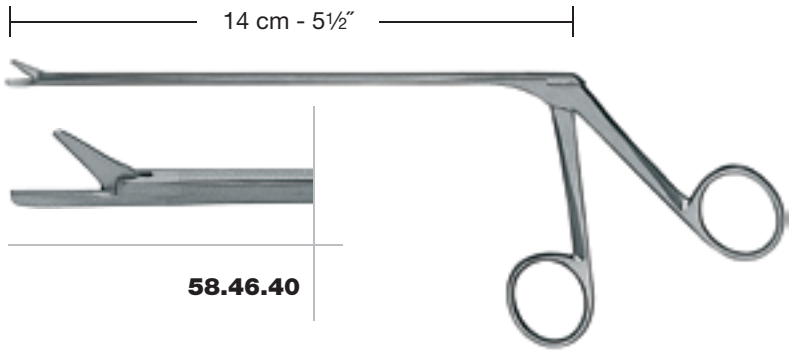
20 cm - 8″
66.40.22 standard

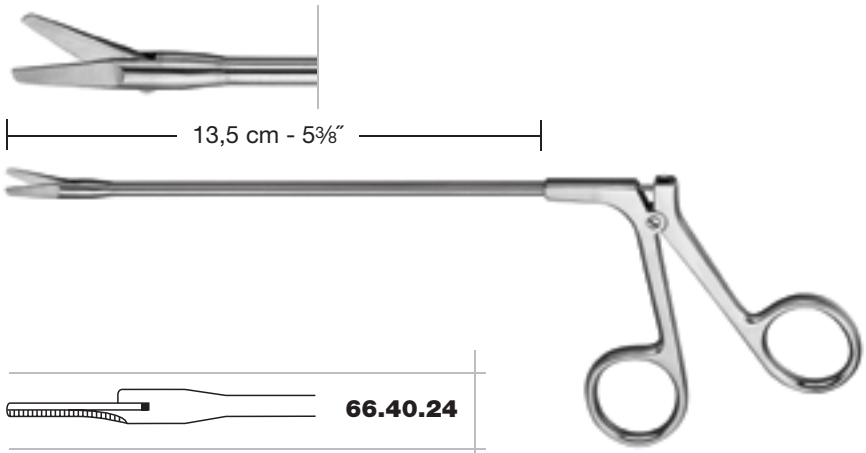
Heymann

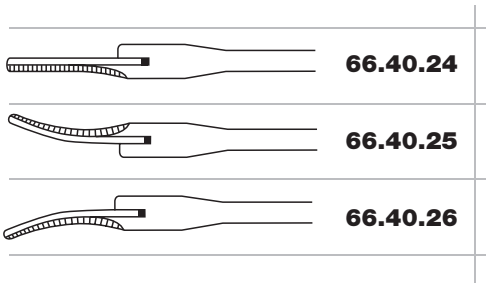


17 cm – 6¾″
66.40.05 standard

Seiler







Schaft
Shaft
Vaina
Tige
Guaina
ø 3,5 mm

204.55.66

Kelly supercut plus

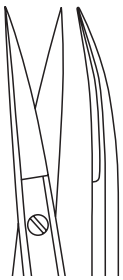
Ideal für die Präparation sowohl des Weichgewebes als auch der Knorpelstrukturen.
Ideal for the preparation of soft tissue as well as cartilaginous structures.
Ideal para la disección de los tejidos blandos, así como de las estructuras cartilaginosas.
Idéal pour la préparation à la fois du tissu mou et des structures cartilagineuses.
Ideale per la preparazione del tessuto molle e delle strutture di cartilagine.

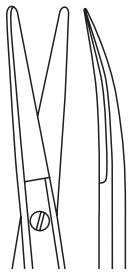
Präparierschere
Dissecting scissors
Tijera para disección
Ciseaux à dissection
Forbice per dissezione

Kelly

20 cm - 8″

204.55.66 supercut plus

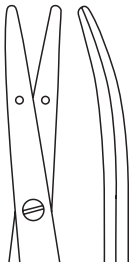




10 cm - 4″ **67.48.10**

10 cm - 4″ **67.49.10** standard

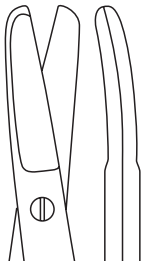
Cottle-Masing



Fadenführungsschere
Suture carrying scissors
Tijera guía-hilo
Ciseaux guide-fil
Forbice guida filo

12 cm - 4¾″ **67.50.01** standard

Littler



Bulldogschere
Bulldog scissors
Tijera Bulldog
Ciseaux Bulldog
Forbice Bulldog

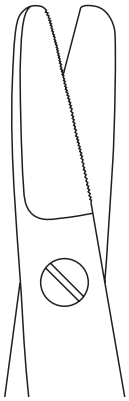
11,5 cm - 4¾″ **67.50.11** standard

Cottle

Außenkanten halbscharf
Outer edges semisharp
Bordes exteriores semicortantes
Bords extérieurs semi-tranchants
Bordi esterni semitaglienti

13,5 cm - 5⅜″ **67.50.13** standard

Converse

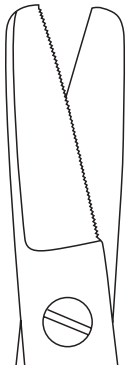


Facelift

16 cm – 6¼″

67.50.16 standard

Castanares



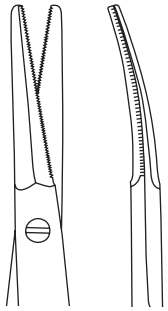
Facelift

16 cm – 6¼″

67.51.16 standard

Walter-Castanares

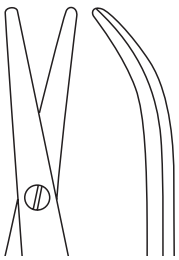
mit Außenschliff, beidseitig schneidend
with outer cutting, both sides sharp
con afilado exterior, cortante en ambos lados
avec affûtage extérieur, coupant des deux côtés
con affilatura esterna, tagliente da ambedue i lati



12,5 cm - 5″

67.51.12 standard

Fomon

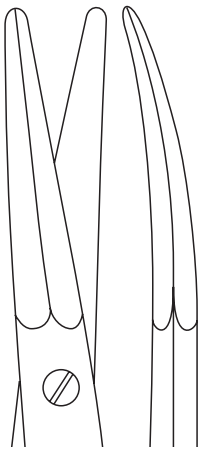


11 cm - 4⅜″

67.52.11 standard

Cinelli

Aufricht



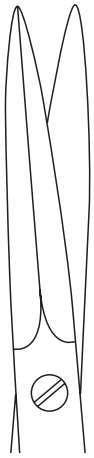
mit Außenschliff, beidseitig schneidend
with outer cutting, both sides sharp
con afilado exterior, cortante en ambos lados
avec affûtage extérieur, coupant des deux côtés
con affilatura esterna, tagliente da ambedue i lati

14 cm - 5½″

67.51.14	standard
267.51.14	supercut
277.51.14	black line
67.51.64	"HM"
267.51.64	supercut plus

Außenkanten halbscharf, gezahnte Schneiden
Outer edges semisharp, serrated cutting edges
Bordes exteriores semicortantes, hoja dentadas
Bords extérieurs semi-tranchants, lames dentelées
Bordi esterni semitaglienti, lame dentellate

McIndoe

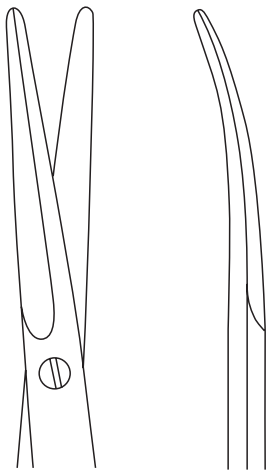


19 cm - 7½″

67.51.19	standard

Knorpelschere
Cartilage scissors
Tijera para cartílagos
Ciseaux à cartilage
Forbice per cartilagine

Obwegeser



Unterminierscheren
Undermining scissors
Tijeras para tunelización
Ciseaux à tunnellisation
Forbice per tunnelizzare

18,5 cm – 7¼″	20,0 cm – 8″	
67.49.18	**67.49.20**	standard

12 cm - 4¾″

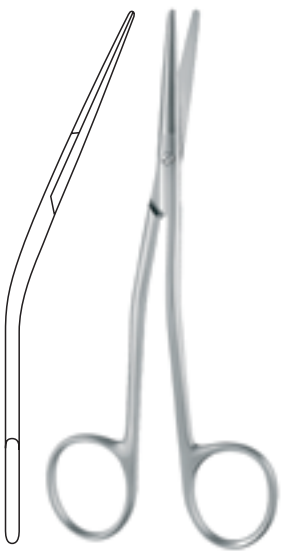
67.52.12	standard
267.52.12	supercut
277.52.12	black line

Fomon

16,5 cm – 6½″

67.52.16	standard

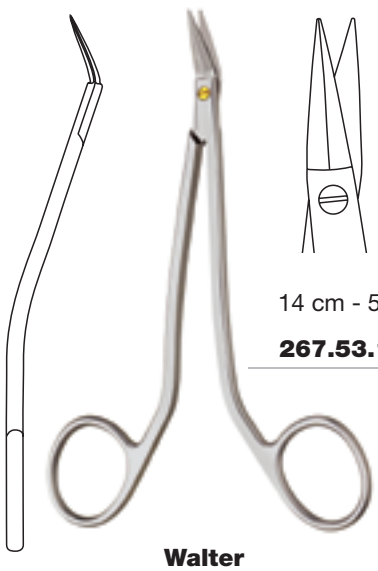
Joseph



13 cm - 5⅛″

67.53.13	standard
267.53.13	supercut
267.53.63	supercut plus
227.53.63	magic cut

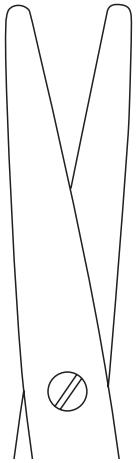
Fomon



14 cm - 5½″

267.53.14	supercut

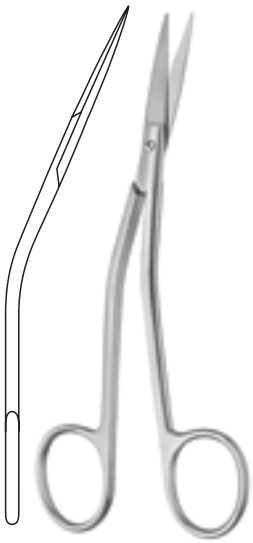
Walter



Cottle

16 cm - 6¼″

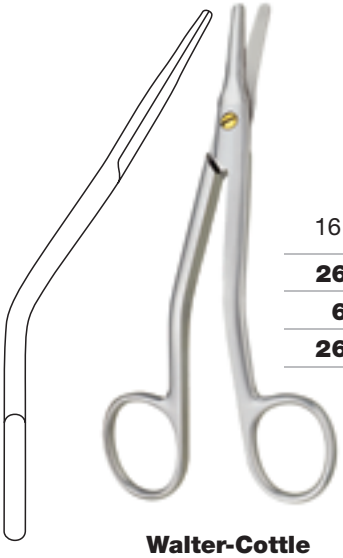
67.53.16	standard
267.53.16	supercut
67.53.36	"HM"
267.53.36	supercut plus
227.53.36	magic cut



Fanous

14 cm - 5½″

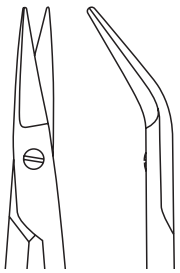
67.53.23	standard
267.53.23	supercut



Walter-Cottle

16 cm - 6¼″

267.53.17	supercut
67.53.77	"HM"
267.53.77	supercut plus

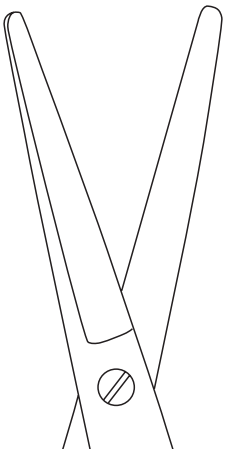


Winter

9,5 cm – 3¾″

67.53.80	standard

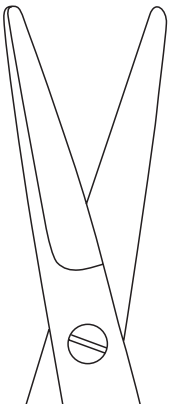
Cottle



18 cm - 7⅛″

67.53.50

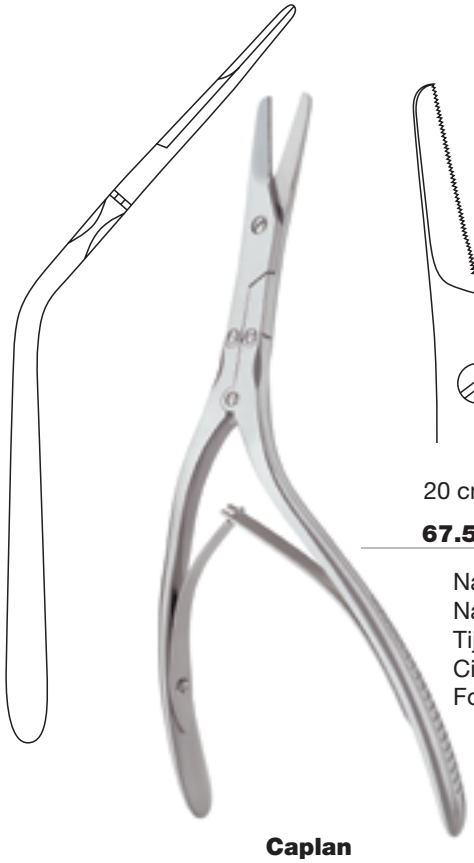
Cottle



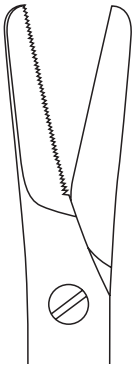
18 cm - 7⅛″

67.53.51

Nasenseptumschere
Nasal septum scissors
Tijera para el tabique nasal
Ciseaux pour cloison nasale
Forbice per setto nasale



Caplan

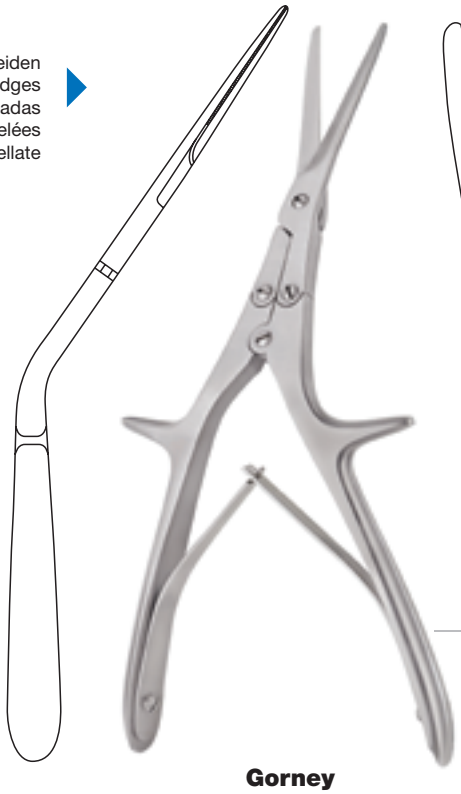


20 cm - 8″

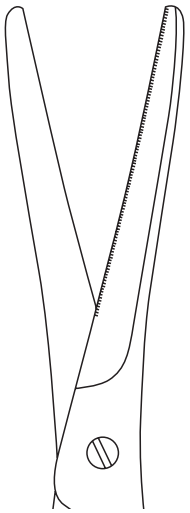
67.53.71

Nasenseptumschere
Nasal septum scissors
Tijera para el tabique nasal
Ciseaux pour cloison nasale
Forbice per setto nasale

gezahnte Schneiden
serrated cutting edges
hojas dentadas
lames dentelées
lame dentellate

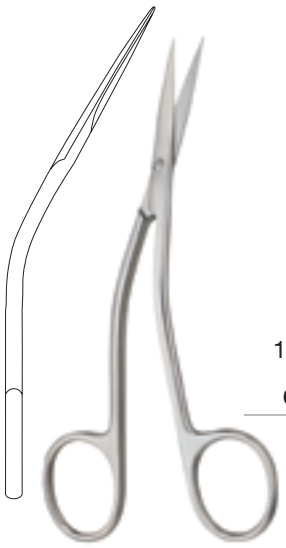


Gorney



20 cm - 8″

67.53.75



13 cm – 5⅛″

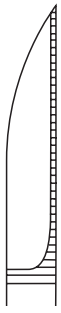
67.53.83	standard

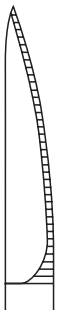
Hough

13,5 cm - 5⅜″

67.55.63	"HM"
227.55.63	magic cut

Giunta

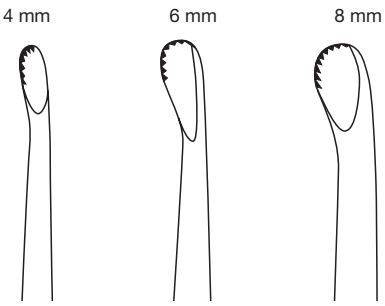




21 cm - 8¼″	21 cm - 8¼″	21 cm - 8¼″
67.65.31	**67.65.32**	**67.65.33**

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

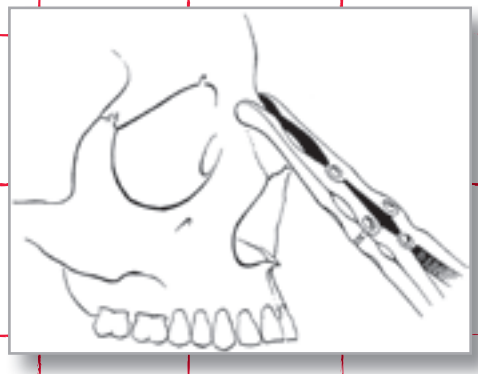
Zur Reduzierung des Winkels zwischen Nase und Stirn.
Dies wird durch delikates Abbeißen (Nagen) des Knochens bewerkstelligt.

For the reduction of the angle between nose and forehead by delicate biting of the bone.

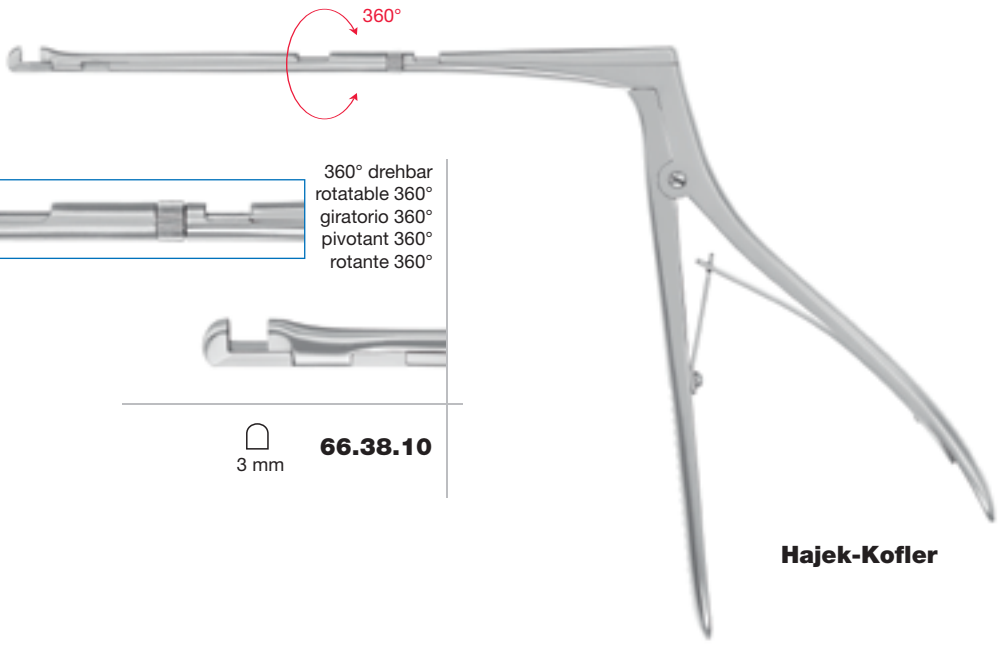
Para reducir el ángulo entre nariz y frente a través de morder delicadamente el hueso.

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″

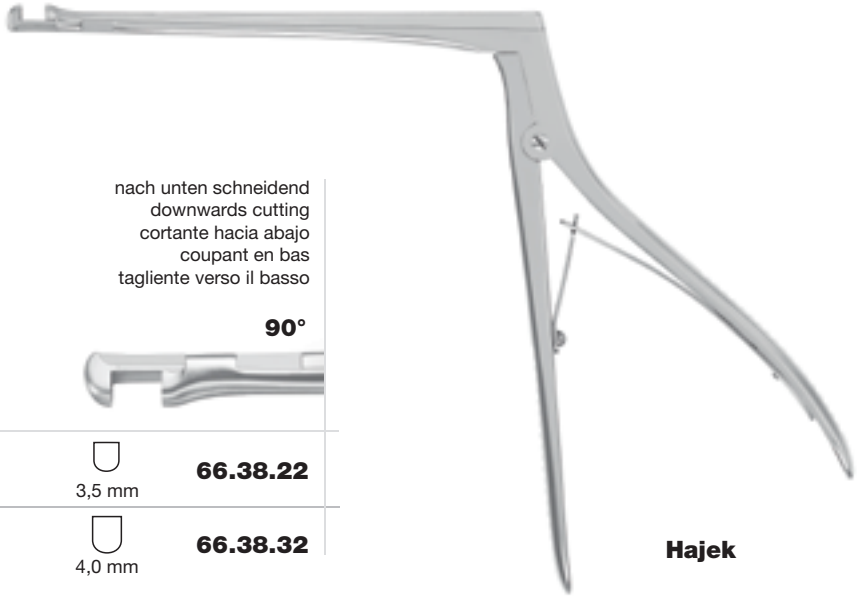


360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

3 mm	**66.38.10**

Hajek-Kofler

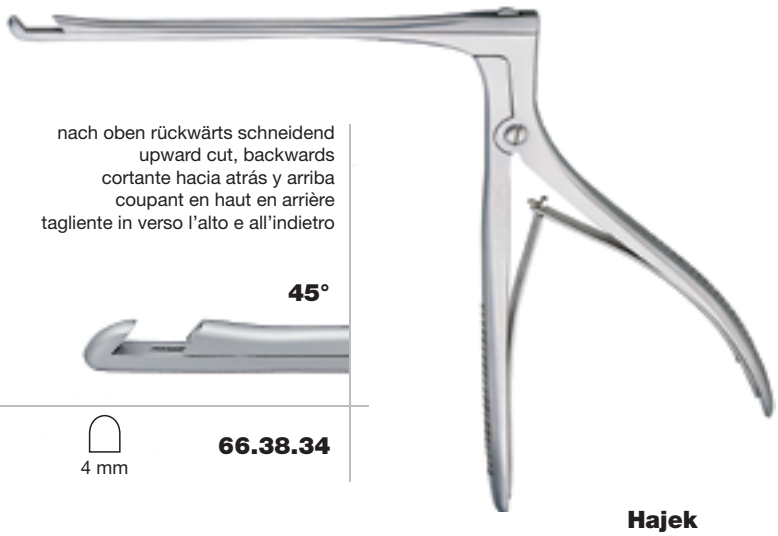
14 cm – 5½″



nach oben schneidend upwards cutting cortante hacia arriba coupant en haut tagliente verso l'alto	nach unten schneidend downwards cutting cortante hacia abajo coupant en bas tagliente 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

14 cm – 5½″



nach oben vorwärts schneidend
upward cut, forwards
cortante hacia adelante y arriba
coupant en haut en avant
tagliente verso l'alto ed in avanti

45°

4 mm **66.38.33**

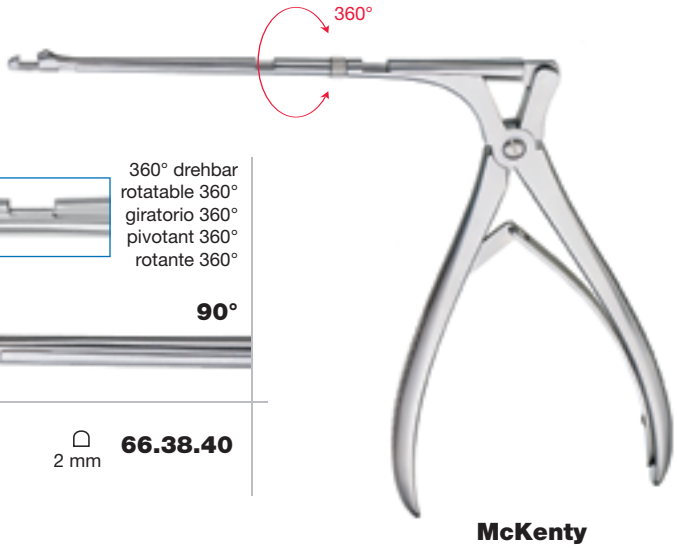
nach oben rückwärts schneidend
upward cut, backwards
cortante hacia atrás y arriba
coupant en haut en arrière
tagliente in verso l'alto e all'indietro

45°

4 mm **66.38.34**

Hajek

12 cm – 4¾″



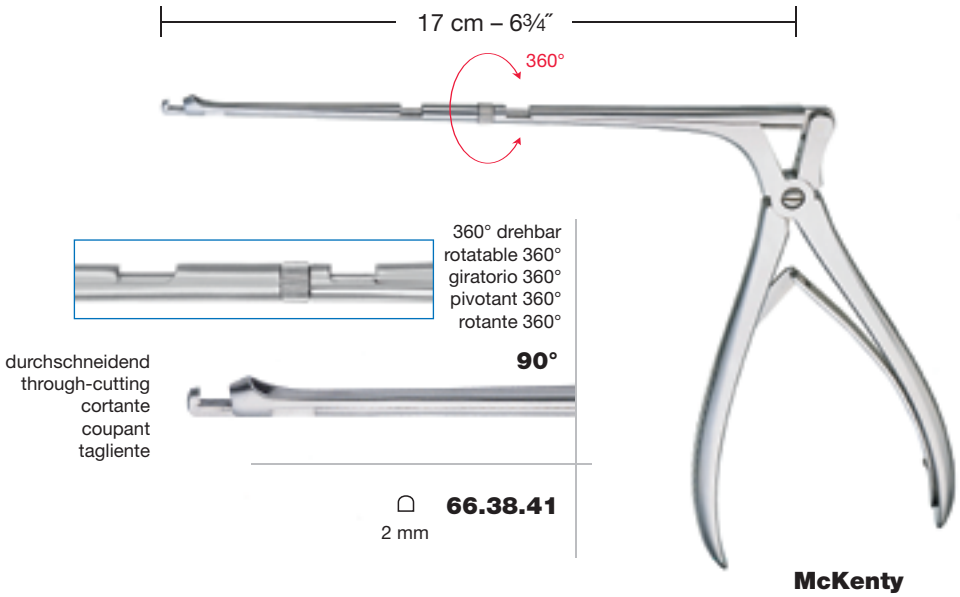
360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

durchschneidend
through-cutting
cortante
coupant
tagliente

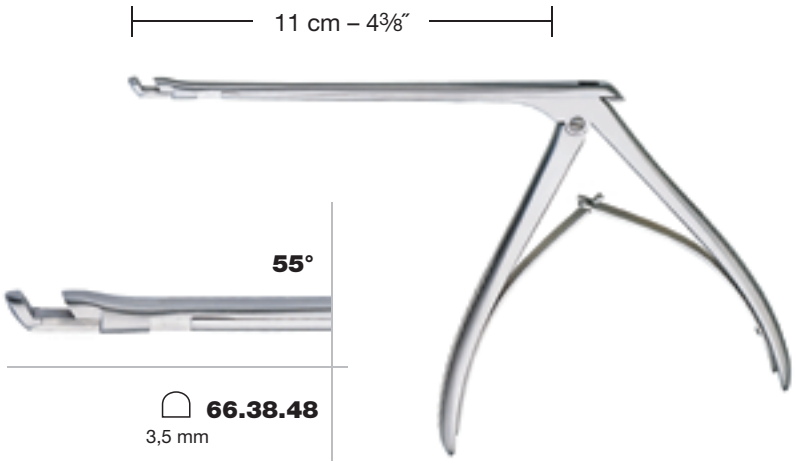
90°

2 mm **66.38.40**

McKenty

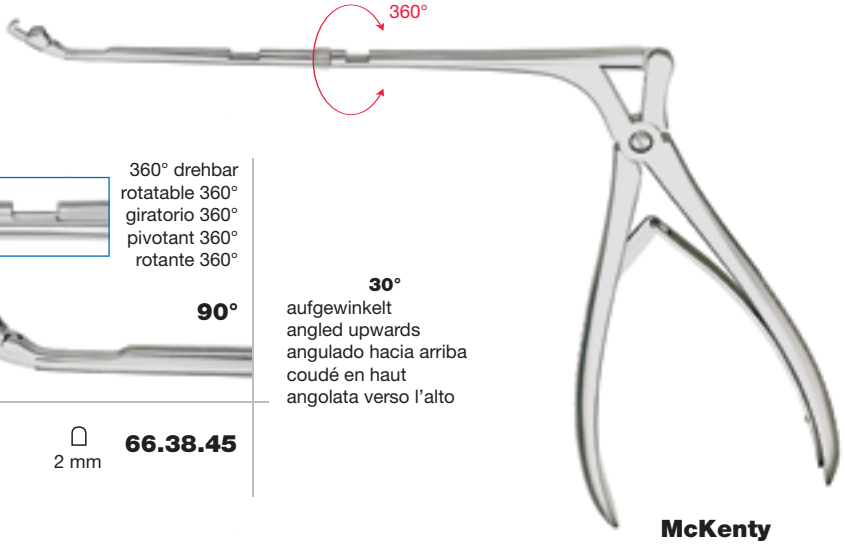

17 cm – 6¾″
360°
360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°
durchschneidend
through-cutting
cortante
coupant
tagliente
90°
66.38.41
2 mm

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 hacia arriba
coudé en haut
angolata 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″

Kerrison-Costen

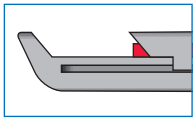
90°

2 mm **66.38.55**

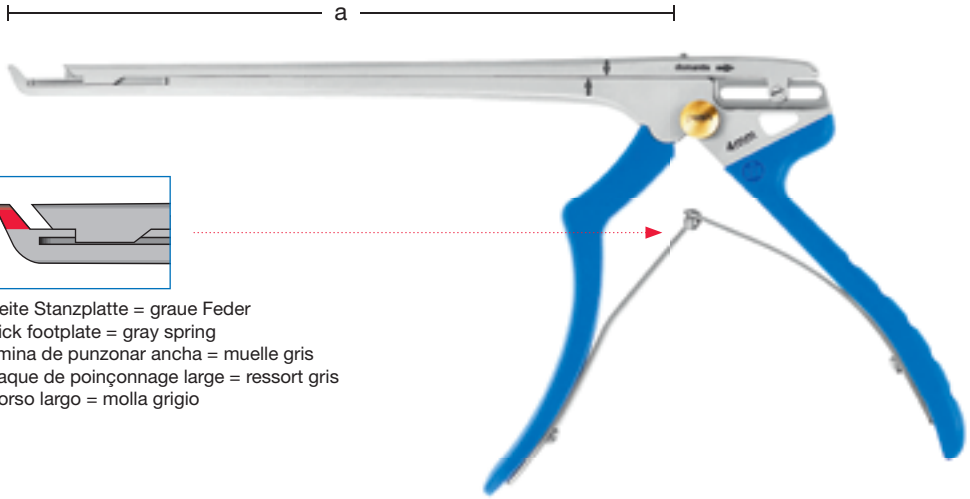
3 mm

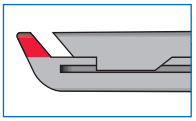
Kerrison
...DieBLAUEN.

Zerlegbare Stanzen mit Silikongriff
Dismantable Rongeurs with Silicone Handle
Pinza saca-bocada desmontable con mango de silicona
Pinces-gouge démontables avec poignée en silicone
Pinze scomponibili con impugnatura in silicone

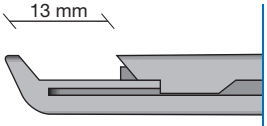
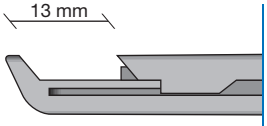


mit Auswerfer
with ejector
con expulsor
avec éjecteur
con espulsore



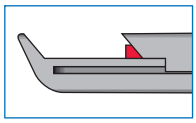


breite Stanzplatte = graue Feder
thick footplate = gray spring
lámina de punzonar ancha = muelle gris
plaque de poinçonnage large = ressort gris
morso largo = molla grigio

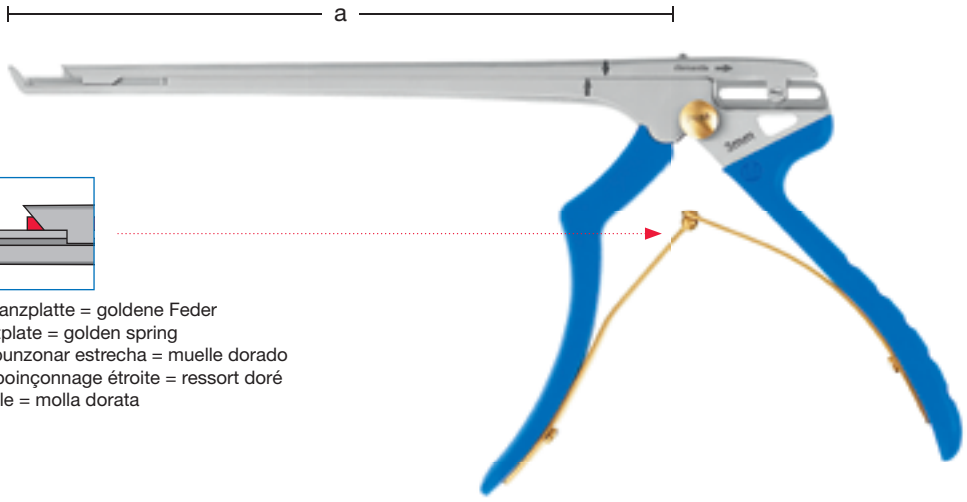
Stanzbreite Jaw width Ancho del corte Largeur de poinçonnage Larghezza del morso	 40° a = 18 cm - 7⅛″	 40° a = 20 cm - 8″
1 mm	**57.28.01**	**57.28.11**
2 mm	**57.28.02**	**57.28.12**
3 mm	**57.28.03**	**57.28.13**
4 mm	**57.28.04**	**57.28.14**
5 mm	**57.28.05**	**57.28.15**
6 mm	**57.28.06**	**57.28.16**

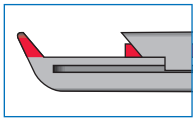
Kerrison ...DieBLAUEN.

Zerlegbare Stanzen mit Silikongriff
Dismantable Rongeurs with Silicone Handle
Pinza saca-bocada desmontable con mango de silicona
Pinces-gouge démontables avec poignée en silicone
Pinze scomponibili con impugnatura in silicone

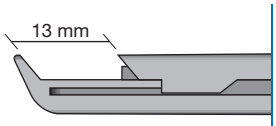
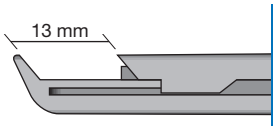
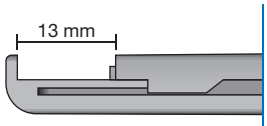


mit Auswerfer
with built-in ejector
con expulsor
avec éjecteur
con espulsore



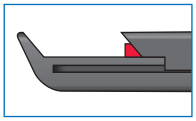


schmale Stanzplatte = goldene Feder
narrow footplate = golden spring
lámina de punzonar estrecha = muelle dorado
plaque de poinçonnage étroite = ressort doré
morso sottile = molla dorata

Stanzbreite Jaw width Ancho del corte Largeur de poinçonnage Larghezza del morso	 40° a = 18 cm - 7⅛″	 40° a = 20 cm - 8″	 90° a = 18 cm - 7⅛″
1 mm	**57.28.21**	**57.28.31**	**57.28.41**
2 mm	**57.28.22**	**57.28.32**	**57.28.42**
3 mm	**57.28.23**	**57.28.33**	**57.28.43**
4 mm	**57.28.24**	**57.28.34**	**57.28.44**
5 mm	**57.28.25**	**57.28.35**	**57.28.45**
6 mm	**57.28.26**	**57.28.36**	**57.28.46**

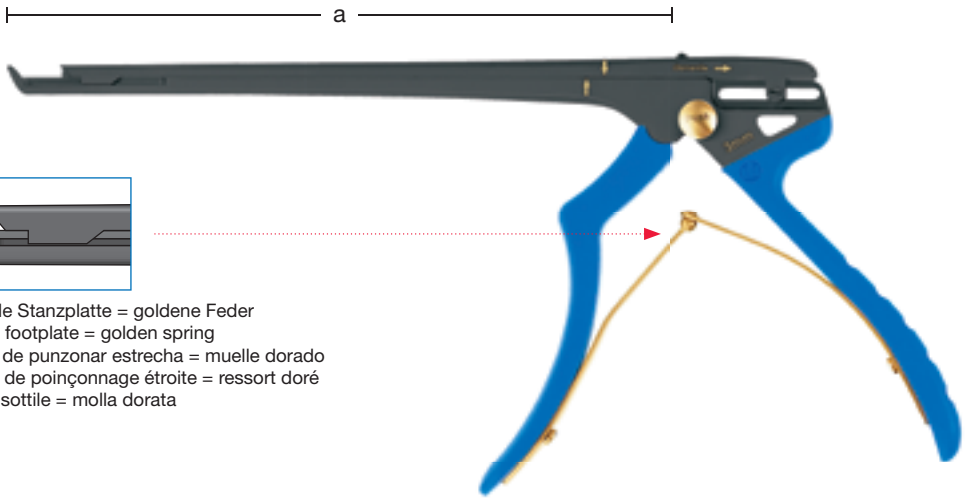
Kerrison ...DieBLAUEN.

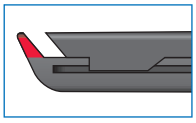
Zerlegbare Stanzen mit Silikongriff
Dismantable Rongeurs with Silicone Handle
Pinza saca-bocada desmontable con mango de silicona
Pinces-gouge démontables avec poignée en silicone
Pinze scomponibili con impugnatura in silicone



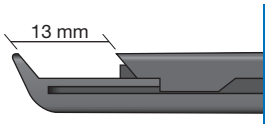
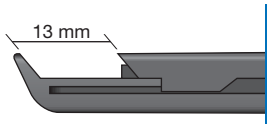
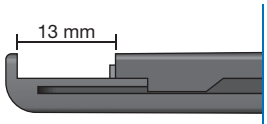
mit Auswerfer
with ejector
con expulsor
avec éjecteur
con espulsore

magic cut

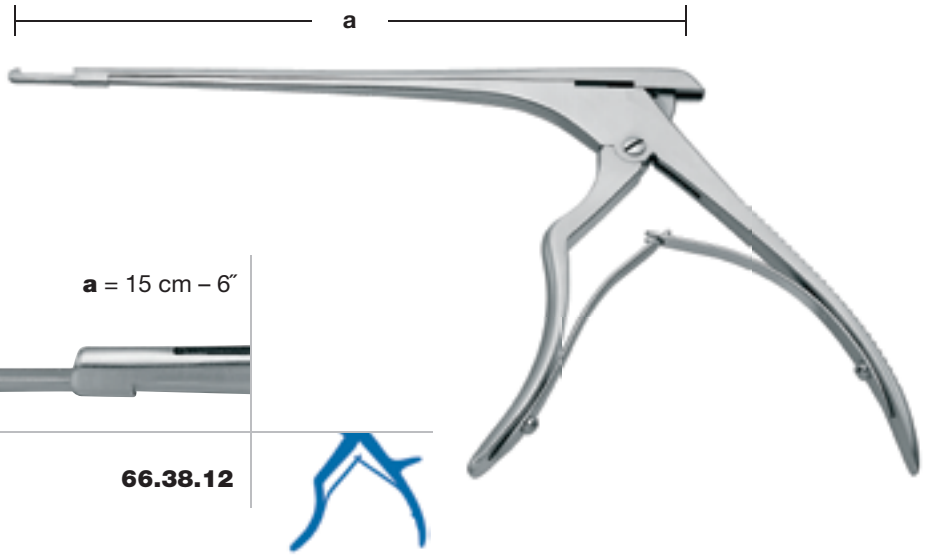




schmale Stanzplatte = goldene Feder
narrow footplate = golden spring
lámina de punzonar estrecha = muelle dorado
plaque de poinçonnage étroite = ressort doré
morso sottile = molla dorata

Stanzbreite Jaw width Ancho del corte Largeur de poinçonnage Larghezza del morso	 40° a = 18 cm - 7⅛″	 40° a = 20 cm - 8″	 90° a = 18 cm - 7⅛″
1 mm	**57.28.51**	**57.28.61**	**57.28.71**
2 mm	**57.28.52**	**57.28.62**	**57.28.72**
3 mm	**57.28.53**	**57.28.63**	**57.28.73**
4 mm	**57.28.54**	**57.28.64**	**57.28.74**
5 mm	**57.28.55**	**57.28.65**	**57.28.75**
6 mm	**57.28.56**	**57.28.66**	**57.28.76**

durchschneidend
through-cutting
cortante
coupant
tagliente



a = 18 cm – 7⅛″

2 mm

66.38.11

a = 15 cm – 6″

3 mm

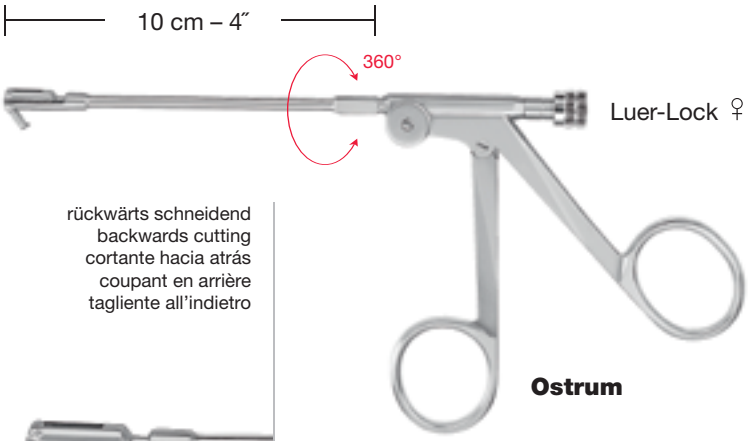
66.38.12

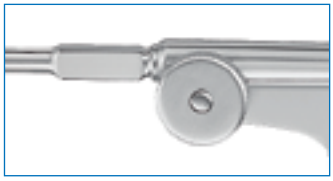
Griff groß
Large handle
Mango grande
Manche grand
Manico grande

66.38.15

Mandrin für Antrumstanzen, allein
Mandril for antrum punches, only
Mandril para pinzas saca-bocadas del antro, solo
Mandrin pour pinces emporte-pièce pour l'antre, seul
Mandrino per pinze taglienti per antro, solo

auch verwendbar für Stanzen mit Absaugkanal
can also be used for rongeurs (punches) with suction channel
también usable para pinzas saca-bocadas con canal d'aspiración
également utilisable pour pinces emporte-pièce avec canal de succion
utilizzabile anche per le pinze taglienti con canale aspirante



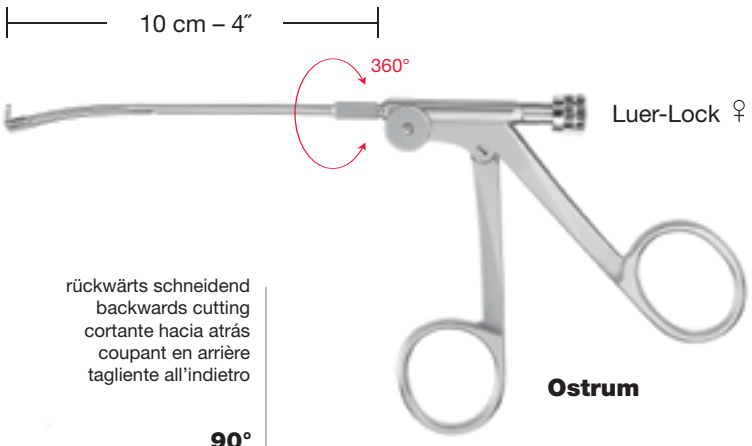


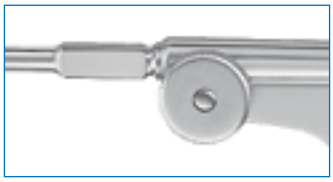
360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

rückwärts schneidend
backwards cutting
cortante hacia 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





360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

rückwärts schneidend
backwards cutting
cortante hacia atrás
coupant en arrière
tagliente all'indietro

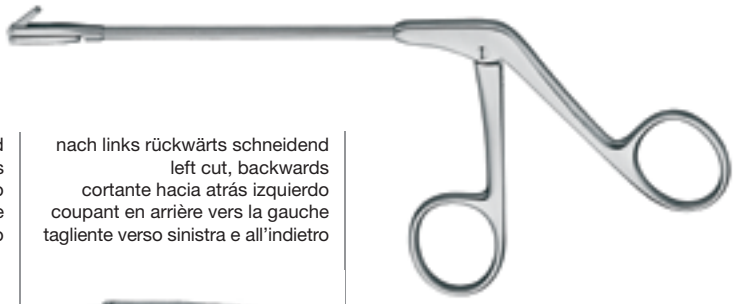
90°

2,0 mm		**66.32.65**

Schaft Shaft Vástago Tige Asta	Ø **2,7** mm

Antrumstanzen
Antrum punches
Pinzas saca-bocadas del antro
Pinces emporte-pièce pour l'antre
Pinze taglienti per antro

10 cm – 4″



nach oben rückwärts schneidend
upward cut, backwards
cortante hacia atrás y arriba
coupant en haut en arrière
tagliente verso l'alto e all'indietro

2,5 mm **66.32.51**

nach rechts rückwärts schneidend
right cut, backwards
cortante hacia atrás derecho
coupant en arrière vers la droite
tagliente verso destra e all'indietro

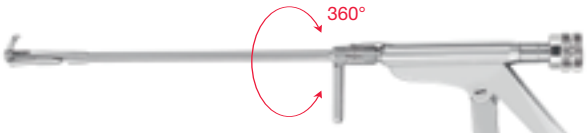
2,5 mm **66.32.52**

nach links rückwärts schneidend
left cut, backwards
cortante hacia atrás izquierdo
coupant en arrière vers la gauche
tagliente verso sinistra e all'indietro

2,5 mm **66.32.53**

Schaft
Shaft
Vástago
Tige
Asta
ø **3,2** mm

10 cm – 4″



Luer-Lock ♀

Ostrum

360° drehbar
rotatable 360°
giratorio 360°
pivotant 360°
rotante 360°

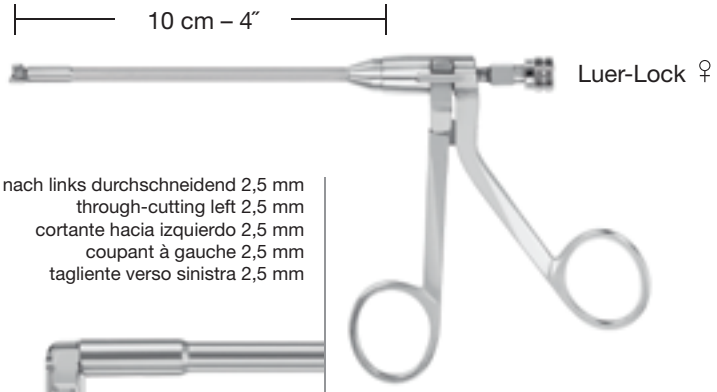
mit Fingerbewegung
finger movement
con movimiento a dedo
maniable par doigt
con movimento delle dita

rückwärts schneidend
backwards cutting
cortante hacia 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



	nach rechts durchschneidend 2,5 mm through-cutting right 2,5 mm cortante hacia derecho 2,5 mm coupant à droite 2,5 mm tagliente verso destra 2,5 mm	nach links durchschneidend 2,5 mm through-cutting left 2,5 mm cortante hacia izquierdo 2,5 mm coupant à gauche 2,5 mm tagliente verso sinistra 2,5 mm
2,5 mm 40°	**66.33.00**	**66.33.01**
	66.33.06	**66.33.07**

Schaft
Shaft
Vástago
Tige
Asta
ø **2,7** mm

	nach rechts durchschneidend 3,5 mm through-cutting right 3,5 mm cortante hacia derecho 3,5 mm coupant à droite 3,5 mm tagliente verso destra 3,5 mm	nach links durchschneidend 3,5 mm through-cutting left 3,5 mm cortante hacia izquierdo 3,5 mm coupant à gauche 3,5 mm tagliente verso sinistra 3,5 mm
3,5 mm 40°	**66.33.03**	**66.33.04**
	66.33.09	**66.33.10**

Schaft
Shaft
Vástago
Tige
Asta
ø **4,0** mm

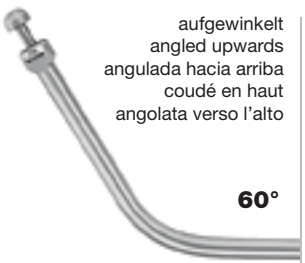
10 cm – 4″

Ostrum

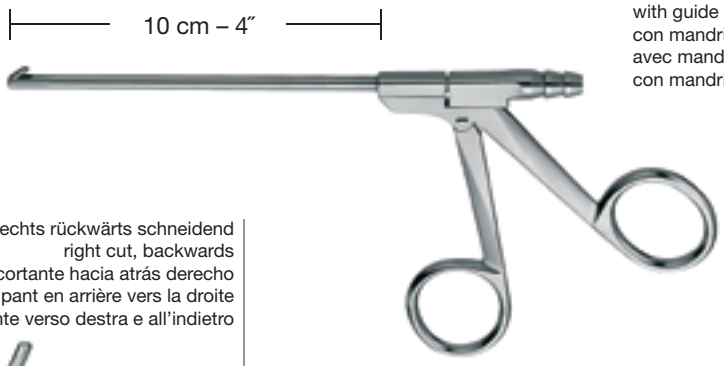
nach oben rückwärts schneidend upward cut, backwards cortante hacia atrás y arriba coupant en haut en arrière tagliente verso l'alto e all'indietro	nach rechts rückwärts schneidend right cut, backwards cortante hacia atrás derecho coupant en arrière vers la droite tagliente verso destra e all'indietro	nach links rückwärts schneidend left cut, backwards cortante hacia atrás izquierdo coupant en arrière vers la gauche tagliente verso sinistra e 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 droit retta	aufgewinkelt angled upwards angulada hacia arriba coudé 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

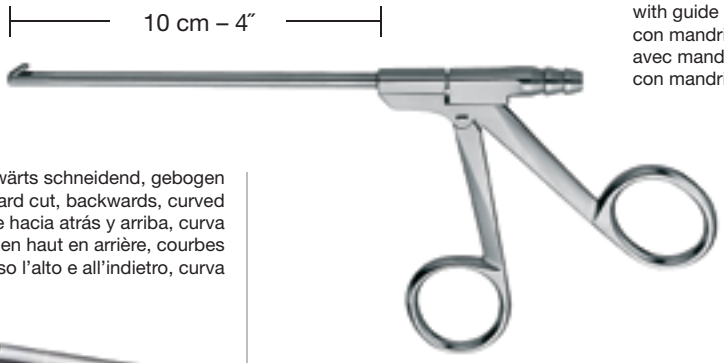


mit Mandrin
with guide
con mandril
avec mandrin
con mandrino

Ostrum

nach oben rückwärts schneidend upward cut, backwards cortante hacia atrás y arriba coupant en haut en arrière tagliente verso l'alto e all'indietro	nach rechts rückwärts schneidend right cut, backwards cortante hacia atrás derecho coupant en arrière vers la droite tagliente verso destra e 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

Ostrum

nach links rückwärts schneidend left cut, backwards cortante hacia atrás izquierdo coupant en arrière vers la gauche tagliente verso sinistra e all'indietro	nach oben rückwärts schneidend, gebogen upward cut, backwards, curved cortante hacia atrás y arriba, curva coupant en haut en arrière, courbes tagliente verso l'alto e 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**

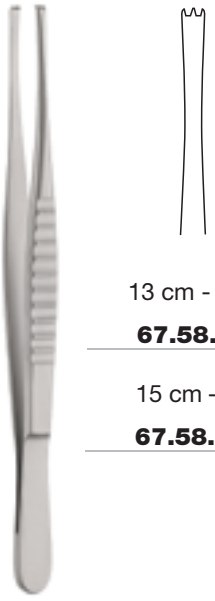
Schaft / Shaft / Vástago / Tige / Asta
ø **4,0** mm
ø **5,0** mm

mit Absaugung
with suction
con aspiración
avec aspiration
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



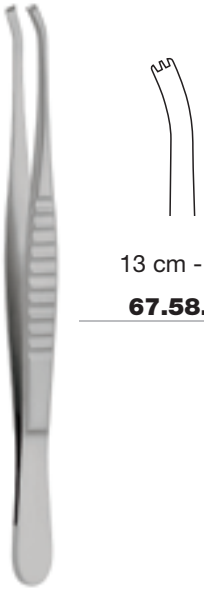
13 cm - 5⅛″
67.58.13

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

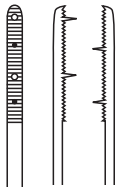
Fox

13 cm – 5⅛″

67.58.14

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

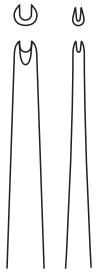
Fox



15 cm - 6″

67.58.51

Cottle



13 cm – 5⅛″

67.58.43

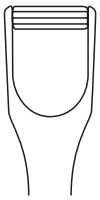
Hinderer

9,5 cm – 3¾″

67.58.54

für die plastische Chirurgie
for plastic surgery
para rinoplastica
pour rhinoplastie
per rinoplastica

Alamuti



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

Eine Schneide gezahnt
One blade serrated
Una hoja dentada
Une lame dentelée
Una lama dentellata

	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

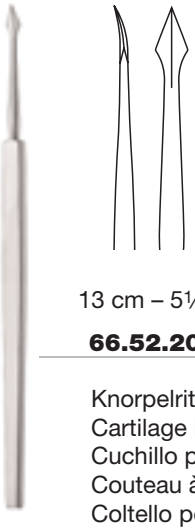
15 cm – 6″
66.52.05

Freer

16 cm – 6¼″
66.52.10

Septummesser
Septum knife
Cuchillo para el tabique nasal
Couteau pour cloison nasale
Coltello per setto nasale

Freer

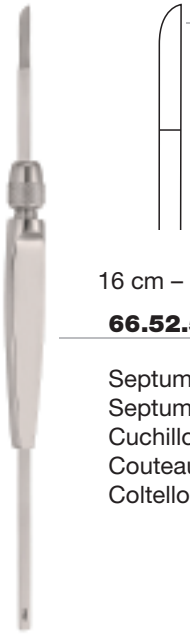


13 cm – 5⅛″

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

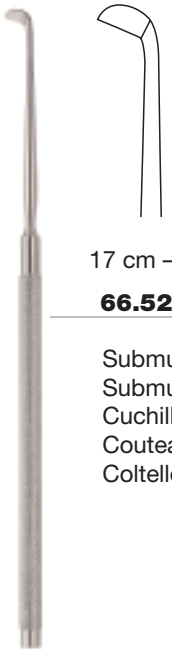
Brünings

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

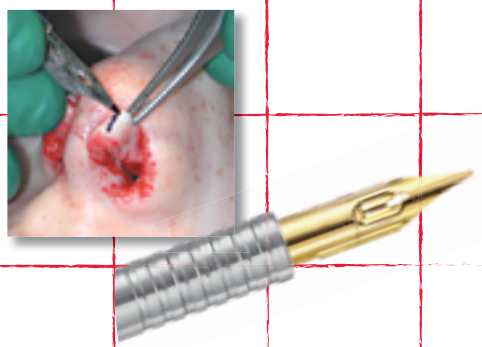


17 cm – 6¾″

66.52.70

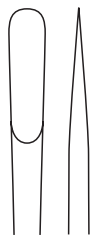
Submukosamesser
Submucosa knife
Cuchillo para submucosa
Couteau pour submuqueuse
Coltello per submucosa

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.



14 cm – 5½″

67.10.20

Septummesser
Septum knife
Cuchillo para el tabique nasal
Couteau pour cloison nasale
Coltello per il setto nasale

Cottle

15 cm – 6″

67.10.30

Joseph

15 cm – 6″

67.10.35

Converse

P 10

44.90.72

Feder
Pen
Pluma
Plume
Penna

13 cm - 5⅛″

44.90.70

Federhalter
Pen holder
Porta-plumas
Porte-plume
Porta-penna

Gubisch

Medicon Instrumente
the art of surgery

P x
Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi

Septum-Knorpelmesser
Septum cartilage knives
Cuchillos para cartilago del tabique nasal
Couteaux à cartilage de la cloison nasale
Coltelli per cartilagine del setto nasale

16 cm - 6¼″

67.10.60

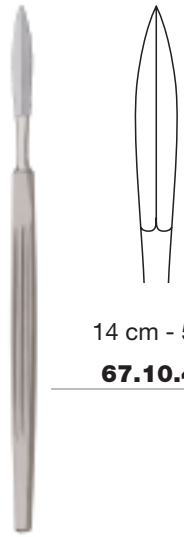
Joseph

16 cm - 6¼″

67.10.65

mit Klingenschutz
with blade guard
con protector de hoja
avec capuchon protecteur
con protettore di lama

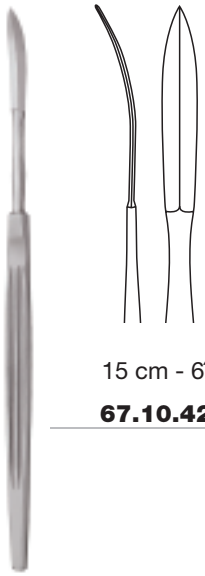
Maltz



14 cm - 5½″

67.10.40

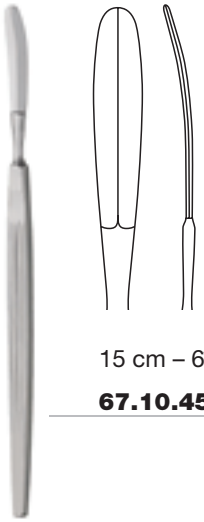
Cottle



15 cm - 6″ **67.10.42**

15 cm - 6″ **67.10.43**

Joseph



15 cm – 6″

67.10.45

Fomon

19 cm - 7½″

67.14.15

Kasten

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

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 P 10

Weitere Informationen auf Anfrage
Further information on request
Más informaciónes a petición
Plus d' informations sur demande
Ulteriori informazioni su richiesta

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

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

Schink

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

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

Silver

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

Ersatzklinge
Spare blade
Hoja de repuesto
Lame de rechange
Lama di ricambio

01.94.19 P 10

Verpackungseinheit “X” Stück
Packing unit “X” pieces
Paquete de “X” unidades
Emballage de “X” pièces
Confezione da “X” pezzi

Mucotom mit Intra-Kupplung
Mucotome with intra-coupling
Mucotomo con intra-acoplamiento
Mucotome avec accouplement-intra
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

Klinge
Blade
Hoja
Lame
Lama

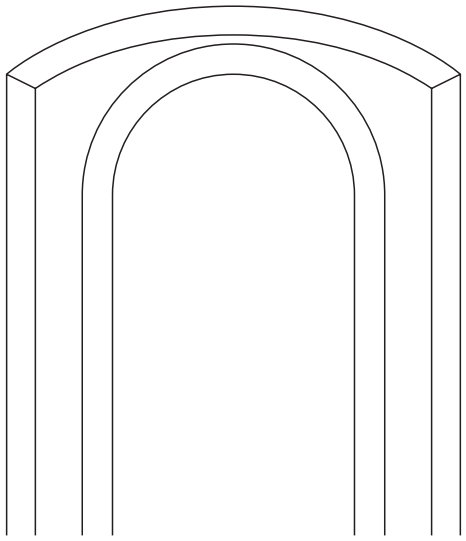
68.25.15 P 10

Klingenhaltepinzette mit Schraubendreher
Blade holding forceps with screwdriver
Pinza porta-hoja con destornillador
Pince porte-lame avec tournevis
Pinza portalama con cacciavite

11 cm - 4⅜″
68.25.17

Schraubendreher für Klingenhalteschraube
Screwdriver for blade holding screw
Destornillador para tornillo fijador de la hoja
Tournevis pour vis de fixation
Cacciavite per vite serralama

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

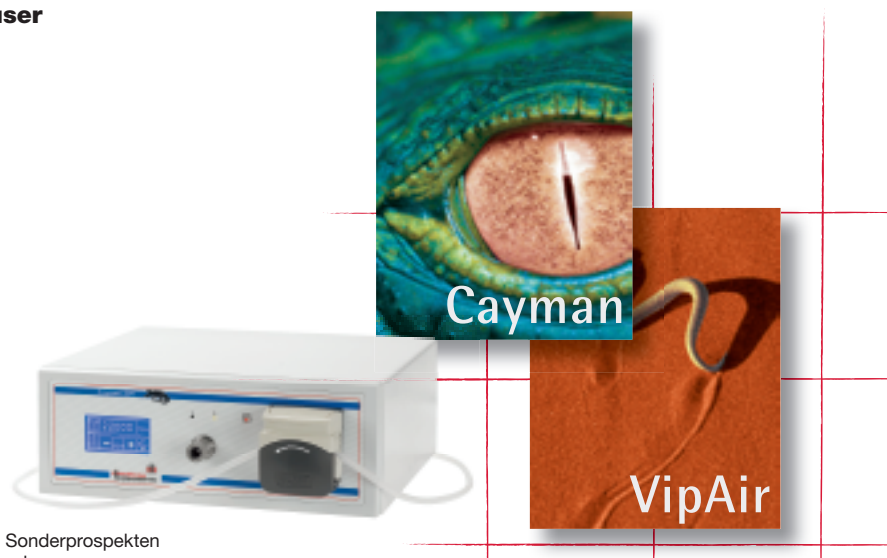


10 cm - 4″

68.25.20

68.25.21
Schleimhauthaken (allein)
Mucosa retractor (only)
Separador de mucosa (solo)
Crochet pour muqueuse (seul)
Divaricatore per mucosa (solo)

Steinhäuser



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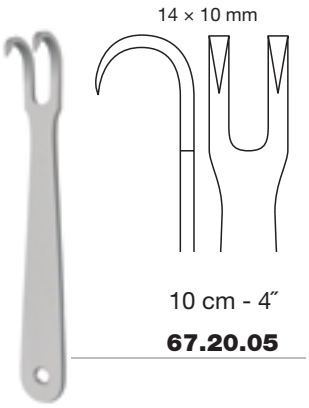
Nasenflügelhäkchen
Alar retractors
Ganchos para las alas de la nariz
Crochets pour les ailes du nez
Divaricatori per alette nasali

15 cm - 6″

67.20.03

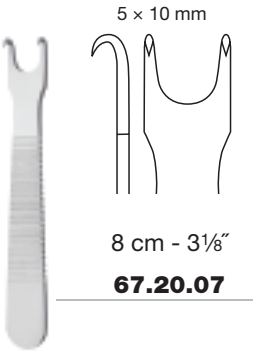
Cottle



10 cm - 4″

67.20.05

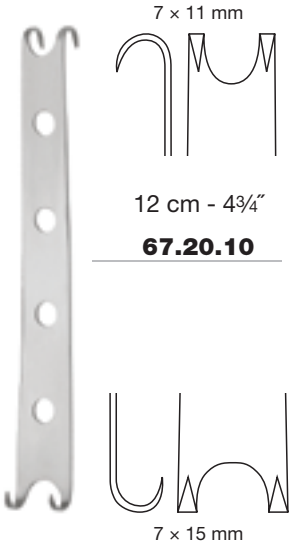
Kilner



8 cm - 3⅛″

67.20.07

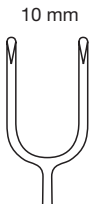
Gubisch-Kilner



12 cm - 4¾″

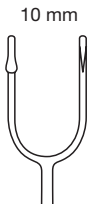
67.20.10

Converse



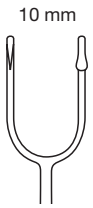
14 cm - 5½″

67.20.11



14 cm - 5½″

67.20.21



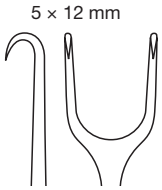
14 cm - 5½″

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

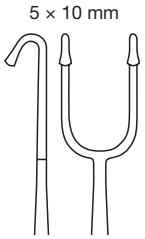
mit Fingerring
with finger ring
con anillo
avec bague
con anello



5,5 cm - 2⅛″

67.20.23

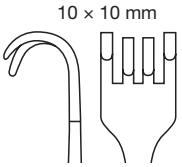
Millard (Cottle)



17 cm - 6¾″

67.20.25

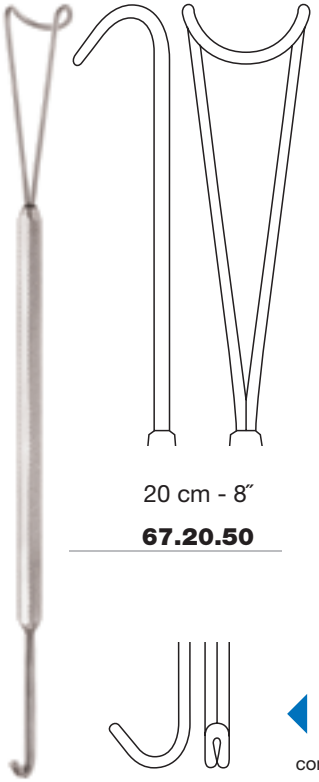
Fomon



15 cm - 6″

67.20.44

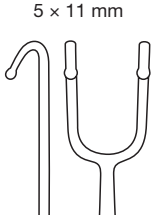
Cottle



20 cm - 8″

67.20.50

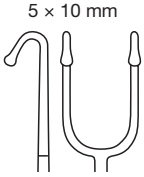
Masing



19 cm - 7½″

67.20.51

Neivert



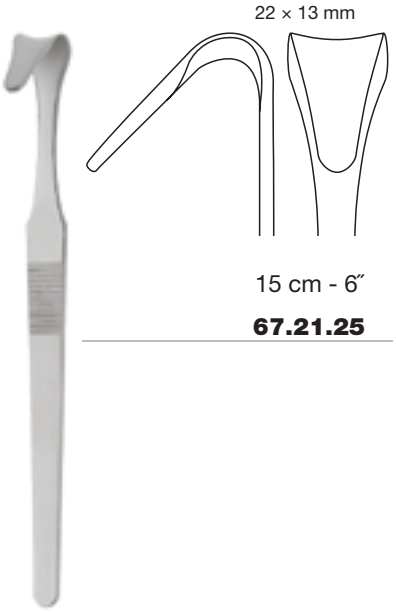
21 cm - 8¼″

67.20.52

Cottle-Neivert

mit Führungsrinne
with guide channel
con estría de guía
avec cannelure
con scanalatura di guida

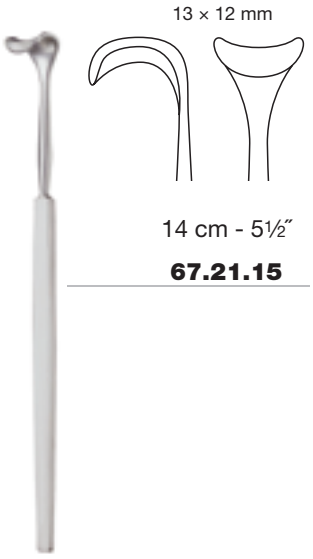
Nasenflügelhaken
Alar retractors
Separadores para las alas nasales
Ecarteurs pour les ailes du nez
Divaricatori per alette nasali



15 cm - 6″

67.21.25

Cottle



14 cm - 5½″

67.21.15

Cottle

17 cm - 6¾″

67.21.33

Gubisch-Aufricht

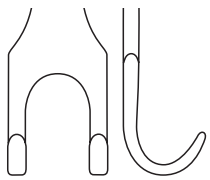
18 cm - 7⅛″

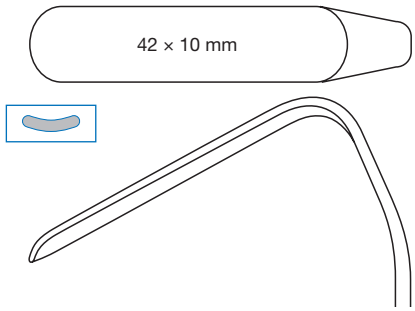
67.21.35

Aufricht

13,5 cm - 5⅜″

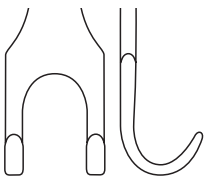
67.21.38





13,5 cm - 5⅜″

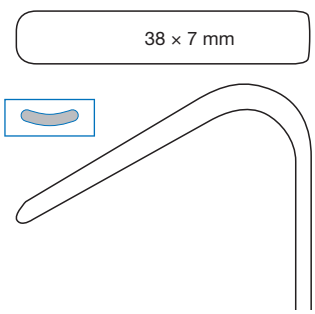
67.21.39



Aufricht

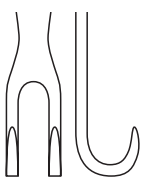
13,5 cm - 5⅜″

67.21.40



13,5 cm - 5⅜″

67.21.45



Aufricht-Walter

Wundhakenblatt, gewölbt
Retractor blade, curved
Hoja de separador, abovedada
Lame d'ecarteur, courbée
Valva di divaricatore, convessa

Wundhaken mit Kaltlichtbeleuchtung
Retractor with fibre optic illumination
Separadores con iluminación de luz fría
Ecarteur avec illumination à lumière froide
Divaricatore con illuminazione a luce fredda

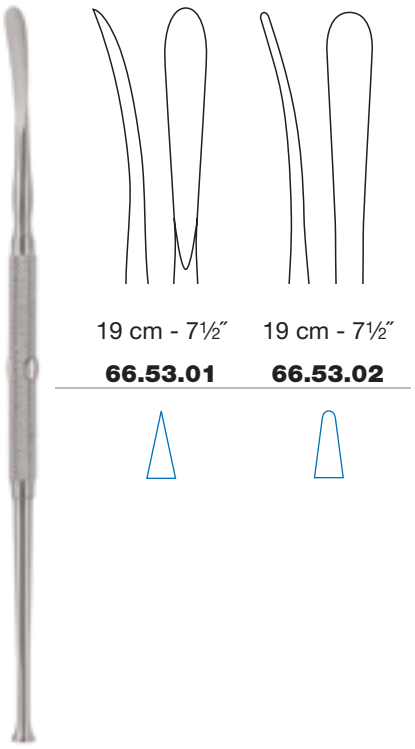
18,5 cm - 7¼″

67.21.30

inklusive Adapter zum Anschluß für Lichtleitkabel
including adapter for connection to fibre 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 l'adattatore per la conessione di cavi a luce fredda

MEDICON/STORZ · WOLF · ACMI

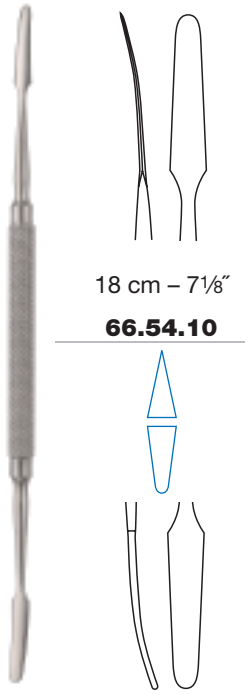
Walter



19 cm - 7½″ | 19 cm - 7½″

66.53.01 | **66.53.02**

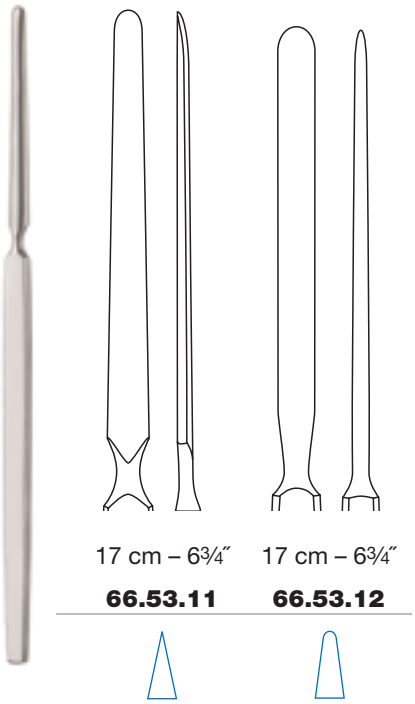
Freer



18 cm – 7⅛″

66.54.10

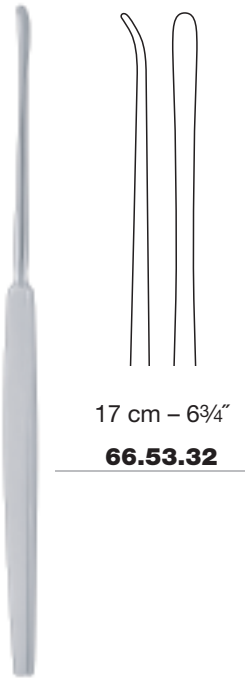
Killian



17 cm – 6¾″ | 17 cm – 6¾″

66.53.11 | **66.53.12**

Killian



17 cm – 6¾″

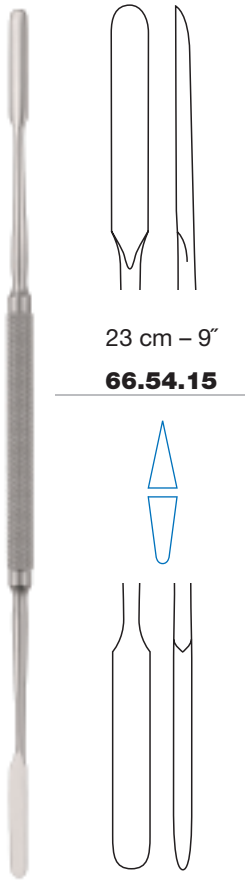
66.53.32

Halle

Medicon Instrumente
the art of surgery

scharf
sharp
aguda
pointu
acuta

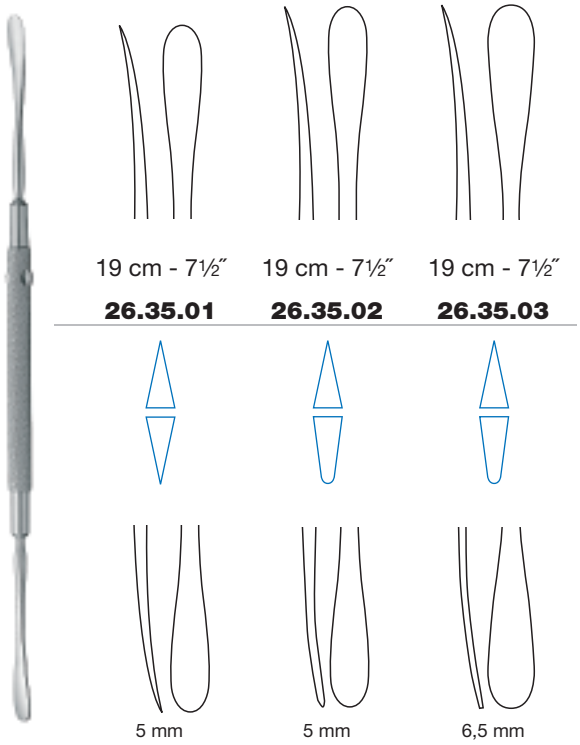
stumpf
blunt
roma
mousse
smussa



23 cm – 9″

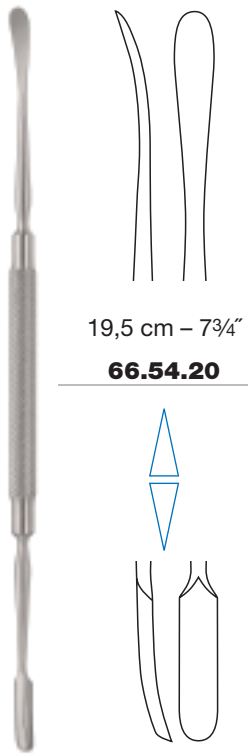
66.54.15

Killian



26.35.01 **26.35.02** **26.35.03**

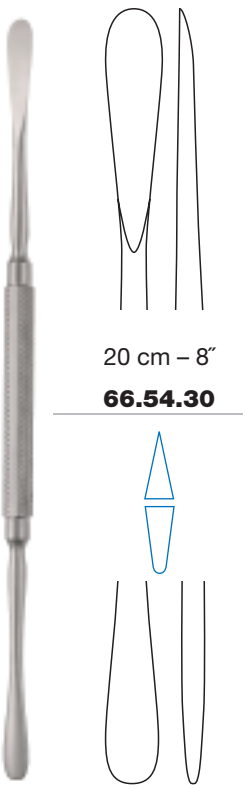
Freer



19,5 cm – 7¾″

66.54.20

Freer-Joseph



20 cm – 8″

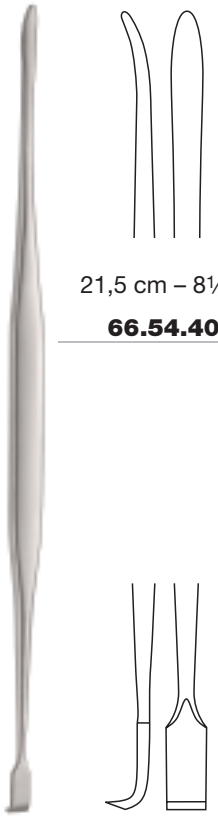
66.54.30

Hajek-Ballenger

Medicon Instrumente
the art of surgery

scharf
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa



21,5 cm – 8½″

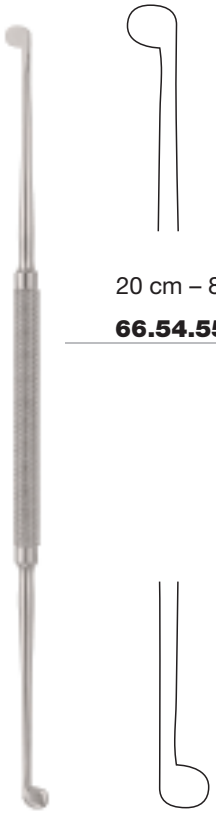
66.54.40

Howarth

20 cm – 8″

66.54.50

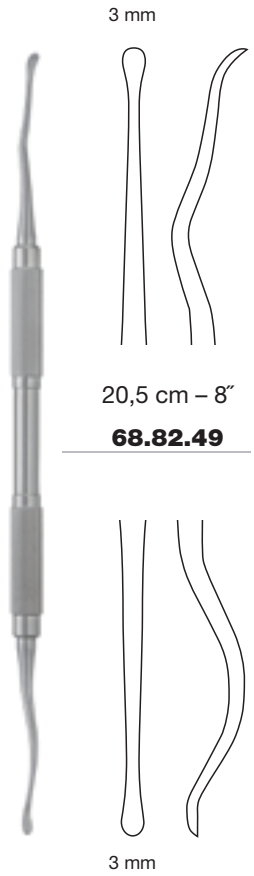
Pennington



20 cm – 8″

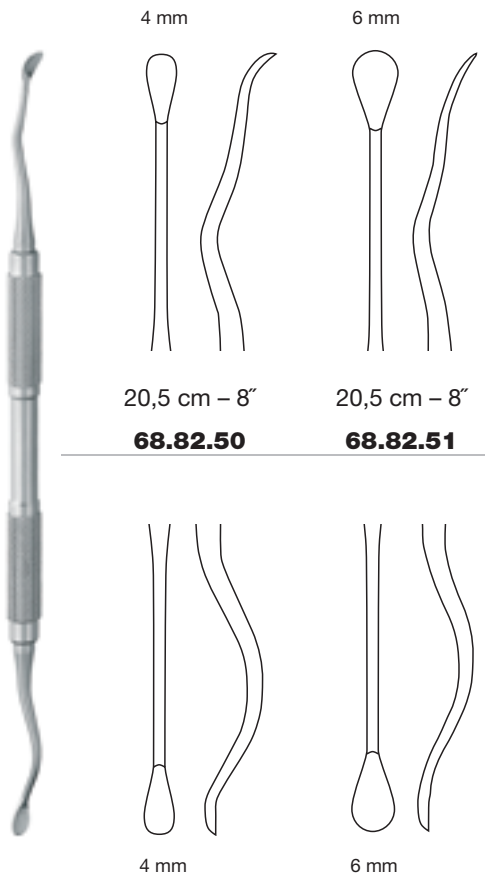
66.54.55

Pierce



20,5 cm – 8″

68.82.49



20,5 cm – 8″ | 20,5 cm – 8″

68.82.50 | **68.82.51**

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.

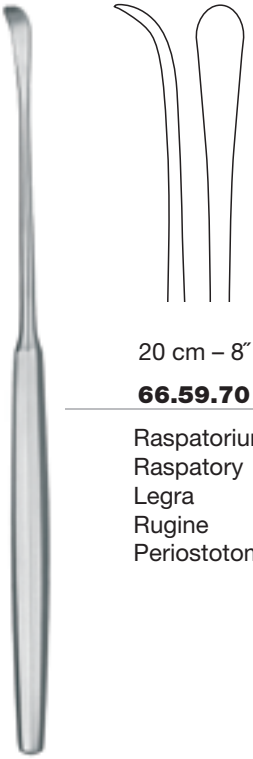
The success of sinus floor elevation depends heavily on the atraumatic detachment of the maxillary sinus mucous membrane from the basal osseous boundary. After careful milling around the osseous lid, using this instrument it is possible to mobilize the mucous membrane of the maxillary sinus step by step from the milled edge. As the instrument is designed for maximum flexibility, it permits adjustment to individual 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 modalità 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.

6 mm



20 cm – 8″

66.59.70

Raspatorium
Raspatory
Legra
Rugine
Periostotomo

Sewall

4 mm

16,5 cm – 6½″

26.44.04

Raspatorium
Raspatory
Legra
Rugine
Periostotomo

Joseph

6 mm

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

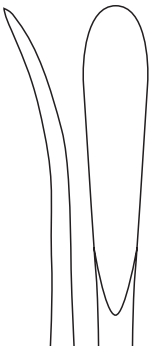
4,5 mm

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

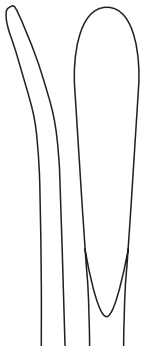
Joseph-Masing



18 cm – 7⅛″

67.15.50

Raspatorium
Raspatory
Legra
Rugine
Periostotomo



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

5 mm

20 cm - 8″

67.15.75

Septumfraktur-Elevatorium
Elevator for fracture of septum
Elevador para fracturas del tabique nasal
Elévateur pour fractures de la cloison nasale
Elevatore per fratture del setto nasale

Goldman

7 mm

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

4 mm

21 cm – 8¼″

67.15.91

Saugelevatorium
Suction elevator
Elevador para aspiración
Elévateur aspirateur
Elevatore d'aspirazione

mit Mandrin
with guide
con mandril
avec mandrin
con mandrino

Saugraspatorien
Suction raspatories
Legras aspiradoras
Rugines aspirantes
Periostotomi d'aspirazione

4 mm

20 cm - 8″

67.15.93

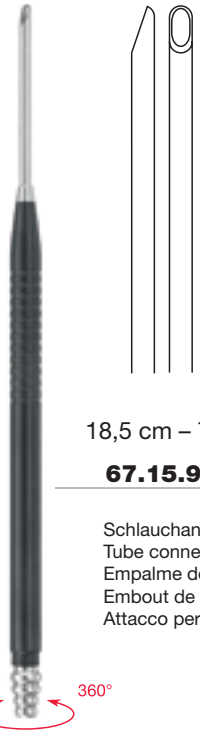
mit Mandrin
with guide
con mandril
avec mandrin
con mandrino

4 mm

15 cm – 6″

67.15.96

Saugelevatorium
Suction elevator
Elevador aspirador
Elévateur aspirateur
Elevatore con aspirazione



18,5 cm – 7¼″

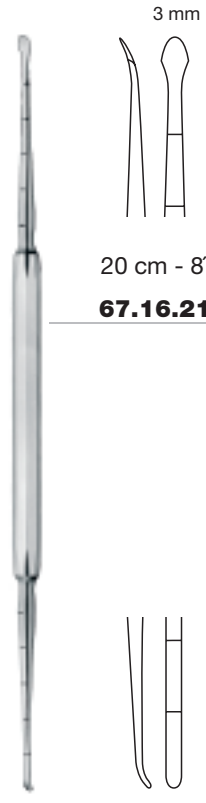
67.15.98

Schlauchansatz, drehbar
Tube connection, rotatable
Empalme de tubo, giratorio
Embout de tuyau, rotatif
Attacco per tubo, girevole

360°

Haraldsson

Septum-Elevatorien
Septum elevators
Elevadores para el tabique nasal
Elévateurs pour cloison nasale
Elevatori per il setto nasale



20 cm - 8″
67.16.21

Cottle

22 cm - 8¾″
67.16.22

Masing

23 cm - 9″
67.16.23

Cottle

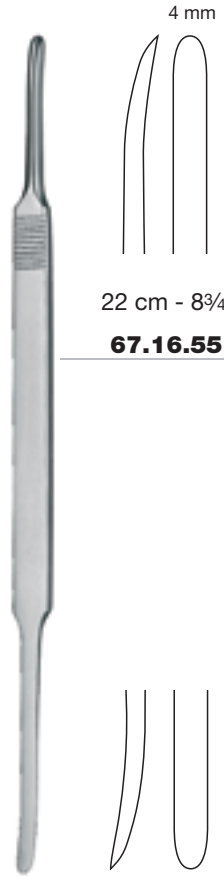
Periost-Kamm
Periosteum comb
Cresta para periostio
Peigne pour périoste
Pettine per periostio

23 cm - 6″

67.16.43

Periost-Feile
Periosteum file
Lima para periostio
Lime pour périoste
Lima per periostio

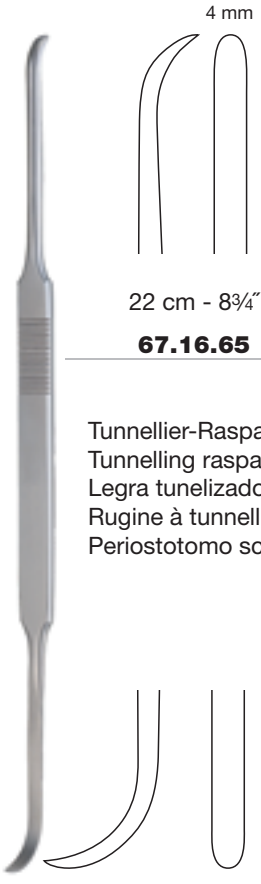
Cottle



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 triturado
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.

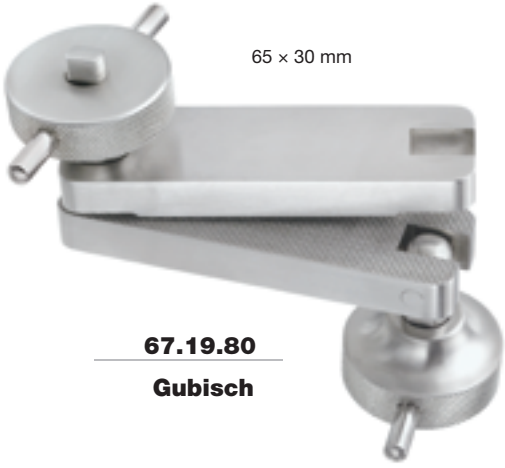
Due to an adapted pressure a flat, flexible cartilage transplant is obtained, which can be applied in various manners.

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.

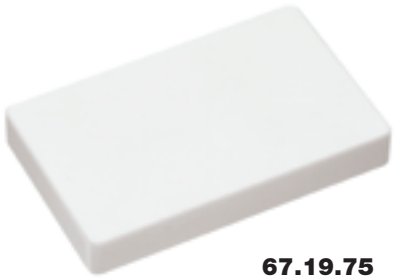
65 × 30 mm



67.19.80

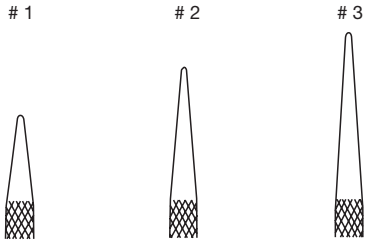
Gubisch

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



87 × 55 × 12 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

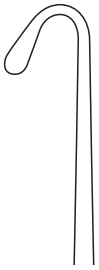
60.34.80

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

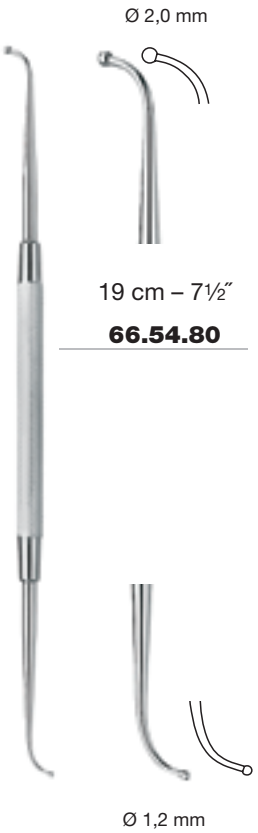


23 cm – 9″

66.54.95

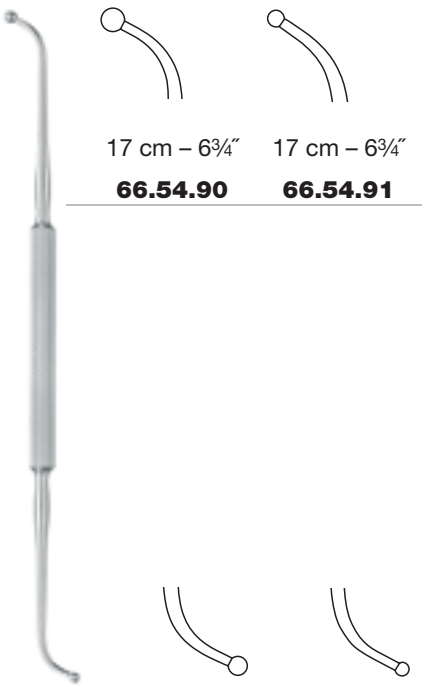
Choanahaken
Choana hook
Gancho para coanas
Crochet choanal
Uncino per coane

Lange



19 cm – 7½″

66.54.80



17 cm – 6¾″ **66.54.90**

17 cm – 6¾″ **66.54.91**

Kistner

Ritter-Halle

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**

Stirnhöhlendilatatoren
Sinus dilators
Dilatadores para el seno
Sondes à sinus
Sonde per il seno

Wiener

Ø 3,5 mm

18 cm – 7⅛″

66.62.33

Ø 3,5 mm

18 cm – 7⅛″

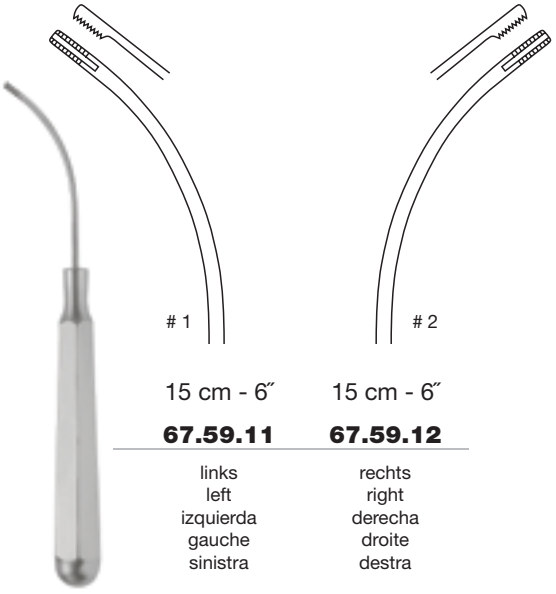
66.62.35

Antrumraspeln
Antrum rasps
Escofinas para el antro
Râpes pour l'antre
Raspe per antro

23 cm – 9″

66.62.38

Watson-Williams



15 cm - 6″

67.59.11

links
left
izquierda
gauche
sinistra

15 cm - 6″

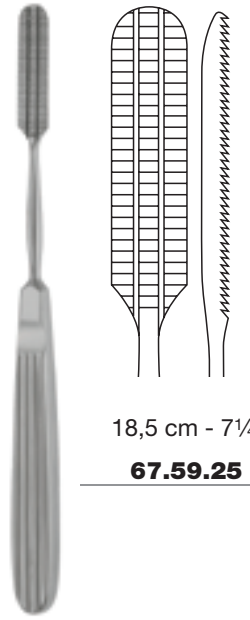
67.59.12

rechts
right
derecha
droite
destra

Dingman

Knorpelschaber
Cartilage abraders
Rascadores de cartilago
Grattoirs à cartilage
Raschiatore per cartilagine

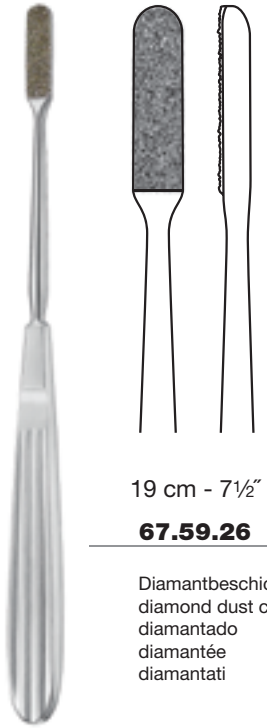
67.59.10	
Satz komplett	(# 1+2)
Set complete	(# 1+2)
Juego completo	(# 1+2)
Jeu complet	(# 1+2)
Set completo	(# 1+2)



18,5 cm - 7¼″

67.59.25

Maltz



19 cm - 7½″

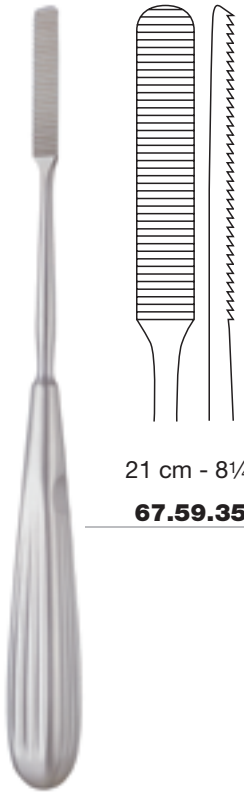
67.59.26

Diamantbeschichtung
diamond dust coated
diamantado
diamantée
diamantati

20 cm - 8″

67.59.30

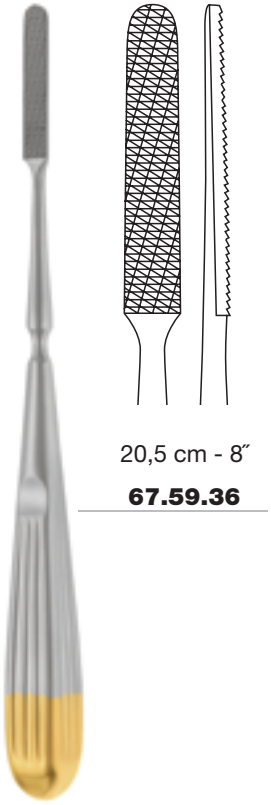
Lewis



21 cm - 8¼″

67.59.35

Cottle



20,5 cm - 8″

67.59.36

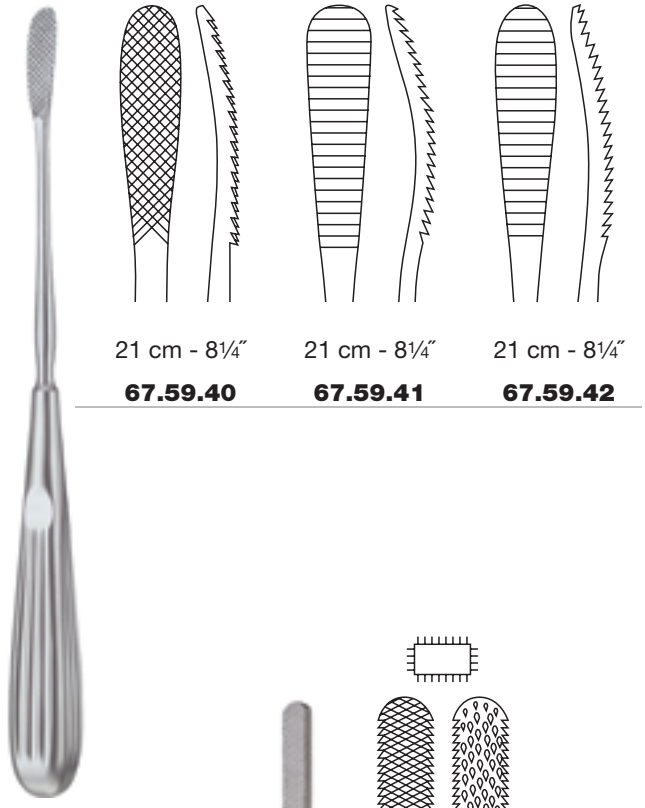
Cottle "HM"

Medicon Instrumente
the art of surgery

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

19,5 cm - 7¾″

67.59.47



21 cm - 8¼″ | 21 cm - 8¼″ | 21 cm - 8¼″

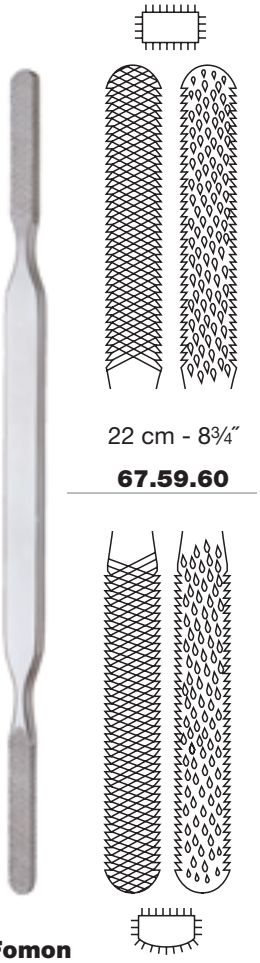
67.59.40 | **67.59.41** | **67.59.42**

Aufricht

19,5 cm - 7¾″

67.59.50

Lewis “HM”

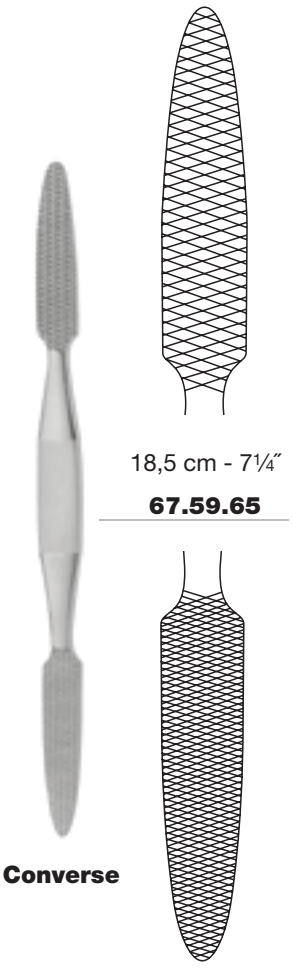


22 cm - 8¾″

67.59.60

Fomon

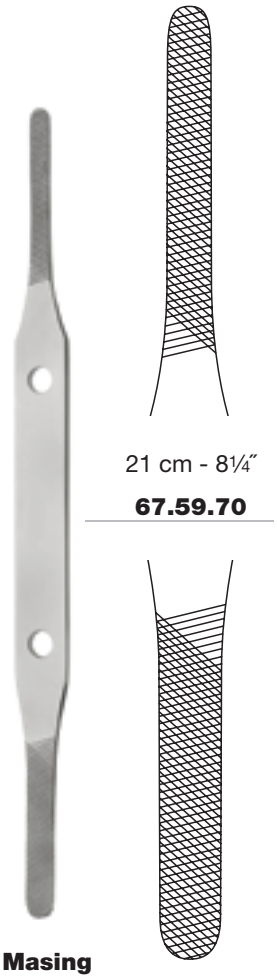
“HM” Hartmetall
Tungsten carbide
Carburo de tungsteno
Carbure de tungstène
Carburo di tungsteno



18,5 cm - 7¼″

67.59.65

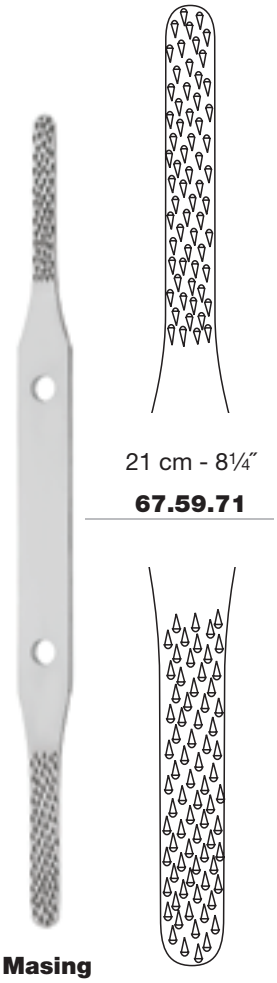
Converse



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.

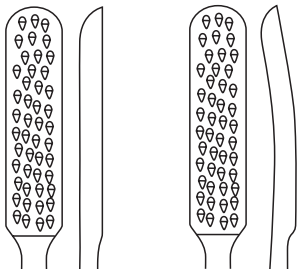
One working end of the rasp operates by pushing, the other by pulling.

Una parte de las raspas trabaja a empuje, la otra parte a tracción.

Un bout des râpes coupe en poussant, l'autre en tirant.

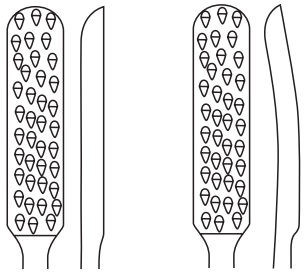
Una parte lavorativa della raspa funziona da spinta e l'altra da trazione.

Obwegeser



19,5 cm - 7¾″ 19,5 cm - 7¾″

F **67.60.51** **67.60.53**



19,5 cm - 7¾″ 19,5 cm - 7¾″

HF **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.

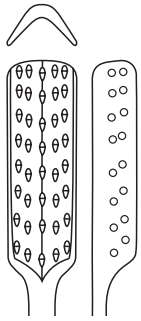
Bone splinters are pushed through the perforated working ends. This avoids plugging of the rasps and they can be cleaned easily.

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 à travers les perforations, ceci évite un bouchage et facilite un meilleur nettoyage.

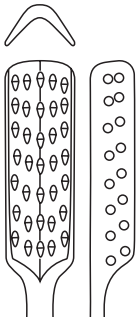
I trucioli delle ossa verranno eliminati fuori dalla perforazione poichè le raspe non si otturano e sono facilmente pulibili.

Obwegeser



19,5 cm - 7¾″

F **67.60.55**

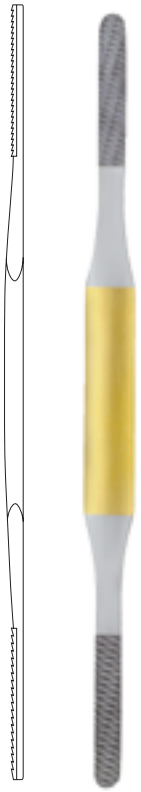


19,5 cm - 7¾″

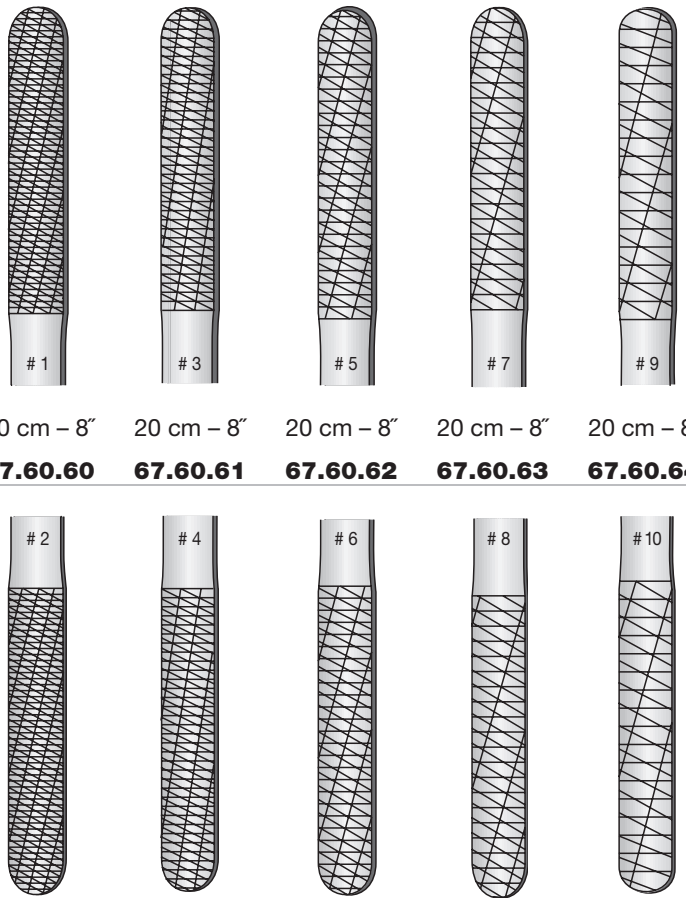
HF **67.60.56**

F fein fine fino fine fine

HF halbfein semi fine semifino semifin semifina



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”

Medicon Instrumente the art of surgery

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

"X-CHANGE" NASAL RASPS

Die sehr flachen Raspelblätter sind einzeln ersetzbar und gewährleisten auf effiziente Weise immer ein scharfes Instrument.

The very flat, individually replaceable rasp blades are an efficient way of always ensuring a sharp instrument.

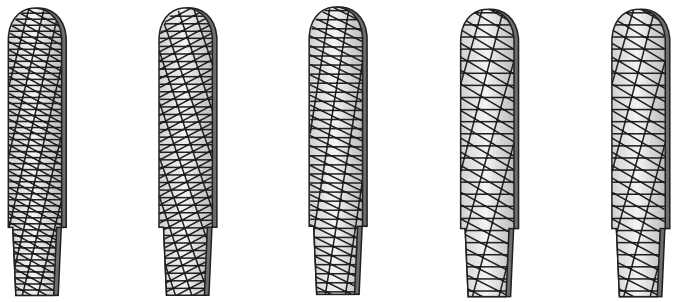
Las hojas de la raspa muy planas pueden ser utilizadas por separado y garantizan de forma eficaz que uno dispone siempre de un instrumento adecuadamente afilado.

Les lames de râpes sont interchangeables et disponibles à l'unité. Ce qui assure à l'instrument un parfait tranchant.

Gli inserti di raspa molto fine sono sostituibili singolarmente e garantiscono in modo efficace uno strumento sempre tagliente.

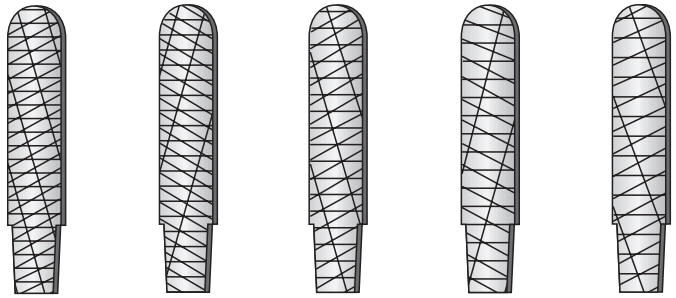
Handgriffe
Handles
Mangos
Manches
Manici

14 cm – 5½″	15 cm – 6″
67.61.00	**67.61.01**



1:1

"HM"	# 1	# 2	# 3	# 4	# 5
	67.61.10	**67.61.11**	**67.61.12**	**67.61.13**	**67.61.14**



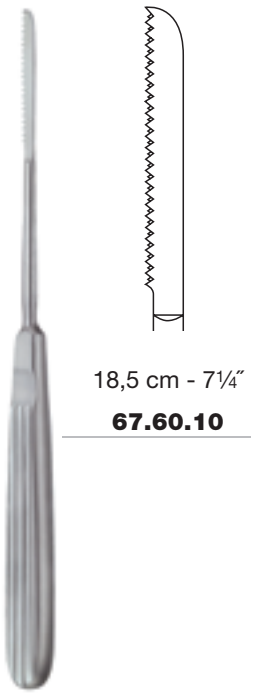
1:1

"HM"	# 6	# 7	# 8	# 9	# 10
	67.61.15	**67.61.16**	**67.61.17**	**67.61.18**	**67.61.19**

Schlüssel
Wrench
Llave
Clé
Chiave

67.61.03

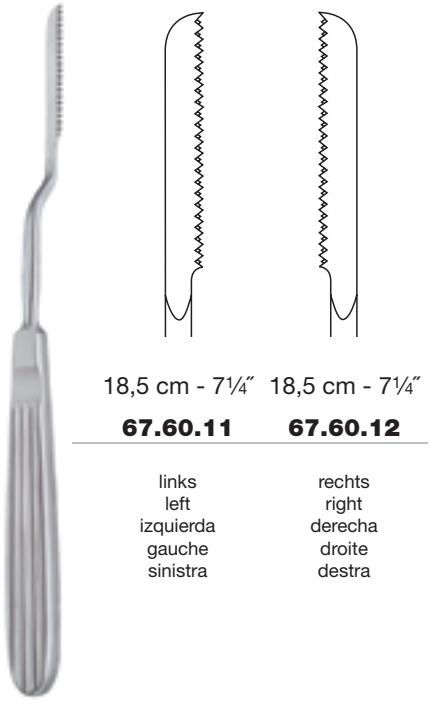
"HM"	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno



18,5 cm - 7¼″

67.60.10

Joseph



18,5 cm - 7¼″ links / left / izquierda / gauche / sinistra

67.60.11

18,5 cm - 7¼″ rechts / right / derecha / droite / destra

67.60.12

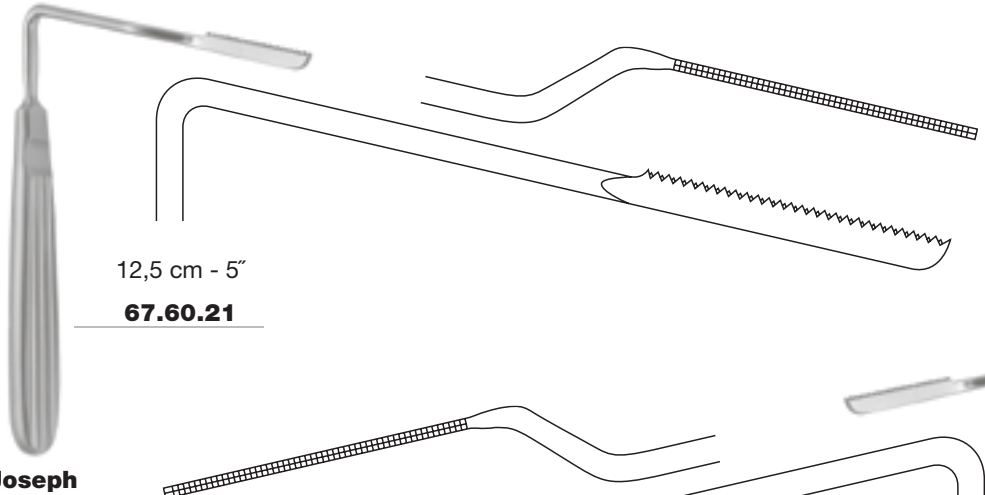
Joseph

15 cm – 6″

67.60.90

Sägeschutzführung
Guided guard for nasal saw
Conductor protector para sierra
Guidage protecteur pour scies
Protettore guidasega

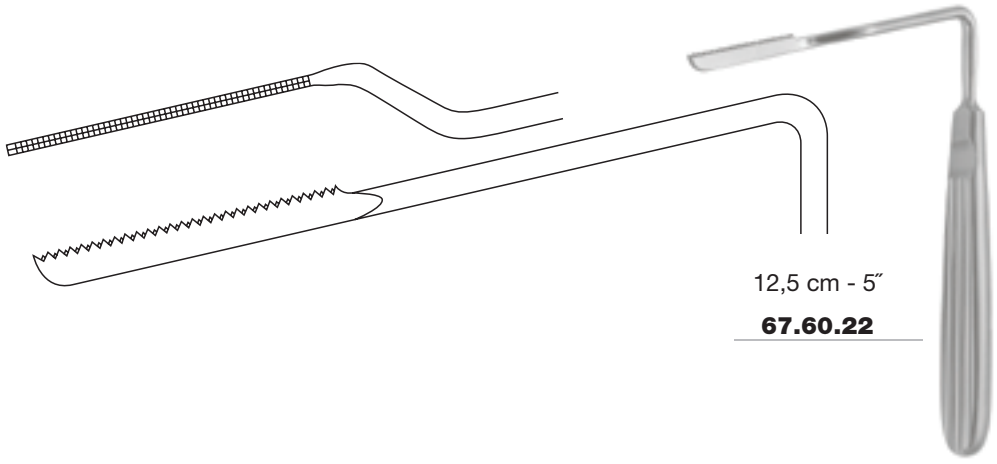
Joseph



12,5 cm - 5″

67.60.21

Joseph



12,5 cm - 5″

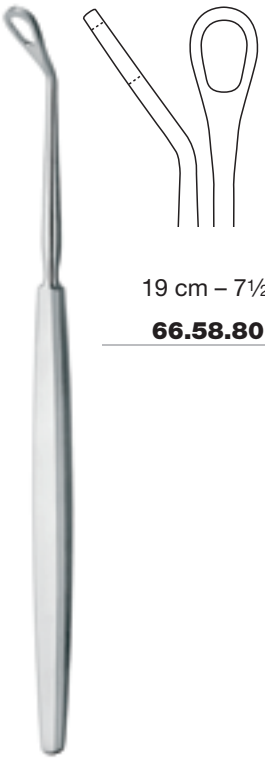
67.60.22

Joseph

Antrumküretten
Antrum curettes
Curetas para antro
Curettes pour antre
Curette per antro

21,5 cm – 8½″

66.58.20



19 cm – 7½″

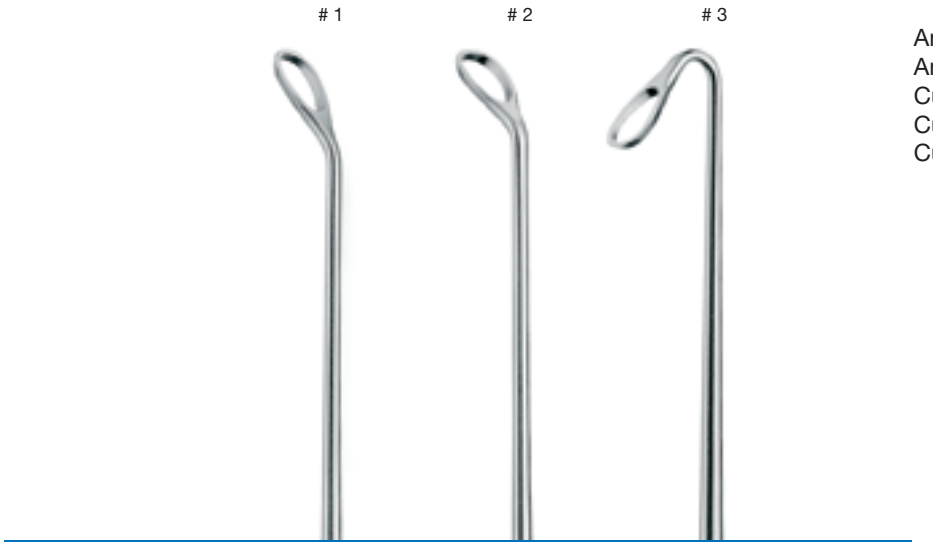
66.58.80

Faulkner

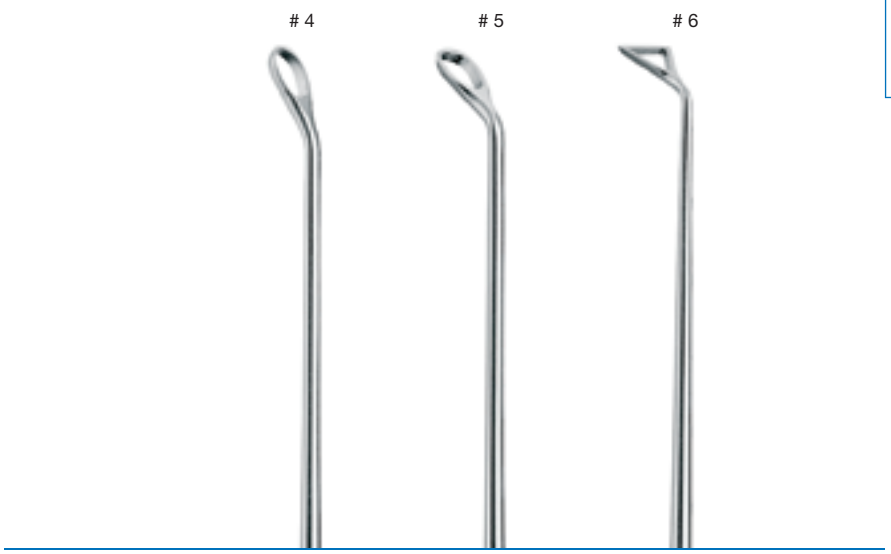
1:1

Coakley

Antrumküretten
Antrum curettes
Curetas para antro
Curettes pour antre
Curette per antro



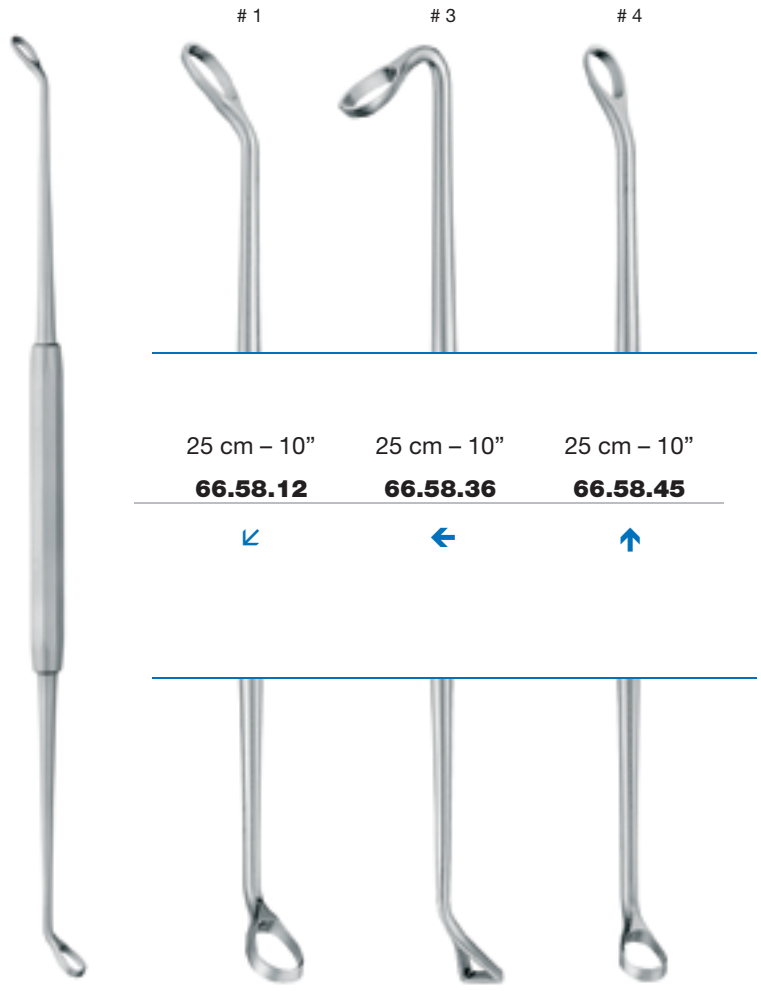
17 cm – 6¾″	17 cm – 6¾″	17 cm – 6¾″
66.58.01	**66.58.02**	**66.58.03**



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)

Antrumküretten
Antrum curettes
Curetas para antro
Curettes pour antre
Curette per antro

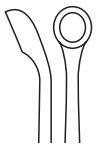


Coakley

25 cm – 10”	25 cm – 10”	25 cm – 10”
66.58.12	**66.58.36**	**66.58.45**
↙	←	↑

66.58.10	
Satz komplett	↙
Set complete	
Juego completo	←
Jeu complet	
Set completo	↑

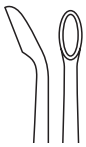
5 mm



20 cm – 8″

66.58.87

3 × 6 mm



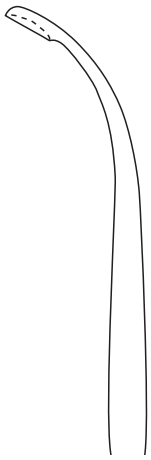
20 cm – 8″

66.58.88

Antrumlöffel
Antrum curettes
Cucharillas para antro
Curettes pour antre
Cucchiai per antro

3 × 5 mm

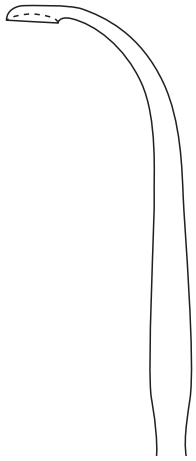
55°



19 cm – 7½″

66.58.92

90°



19 cm – 7½″

66.58.94

Frontal Sinusküretten
Frontal sinus curettes
Curetas para seno frontal
Curettes pour sinus frontal
Curette per seno frontale

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

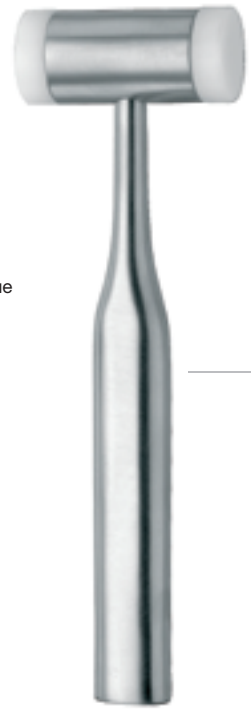
mit Kunststoffbacken
(abschraubbar)

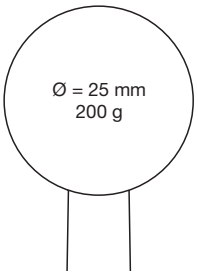
with plastic facings
(unscrewable)

con frentes de plástico
(destornillables)

avec joues en matière plastique
(dévissables)

con guancie di plastica
(svitabili)

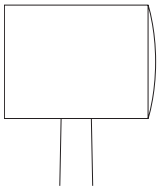




18,5 cm - 7¼″

27.06.20

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



Die gewölbte Seite ist für die Knorpelquetsche (67.19.70)
➟ siehe Seite 376

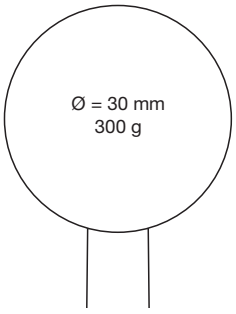
The round face is used for the cartilage crusher (67.19.70)
➟ see page 376

La cara convexa se usa para la triturada sustancia cartilaginosa (67.19.70)
➟ véase página 376

La face convexe s'emploie pour presser la matière cartilagineuse (67.19.70)
➟ voir page 376

La faccia convessa si usa per la trita cartilagine (67.19.70)
➟ vedi pagina 376

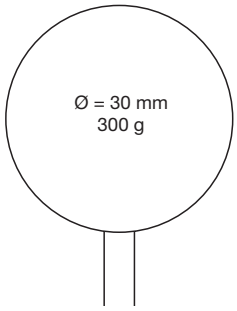
Cottle



19 cm - 7½″

67.40.20

Guillen



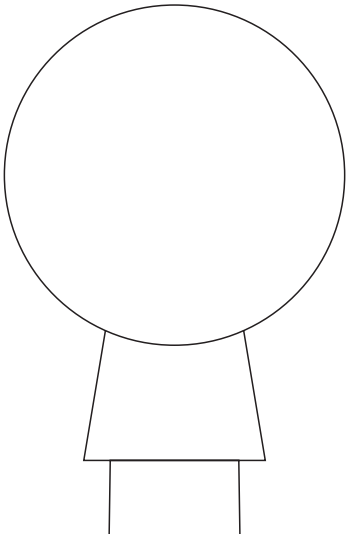
24 cm - 9½″

67.40.75

mit schrägen Flächen
with inclined facings
con frentes oblicuas
avec joues obliques
con guancie inclinate

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 contracolpo con una guida precisa.



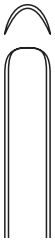
26 cm - 10¼″

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

4 mm

6 mm



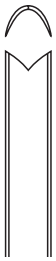
15,5 cm - 6⅛″ **66.55.44**

15,5 cm - 6⅛″ **66.55.46**

Freer

4 mm

6 mm



16 cm - 6¼″ **66.55.54**

16 cm - 6¼″ **66.55.56**

Ballenger

16 cm – 6¼″ **66.55.95**

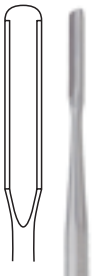
Faulkner

4 mm

16 cm – 6¼″ **27.82.12**

West

4 mm



16 cm – 6¼″ **27.82.14**

16 cm – 6¼″ **27.82.15**

West

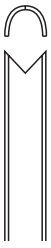
5 mm

17,5 cm - 7″ **66.55.85**

Septum-Hohlmeißel
Septum gouges
Gubias para el tabique nasal
Gouges pour la cloison nasale
Sgorbie per il setto nasale

Killian

5 mm



17,5 cm - 7″ **66.55.90**

Killian-Claus

Advertisement

the art of surgery

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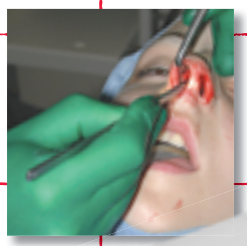
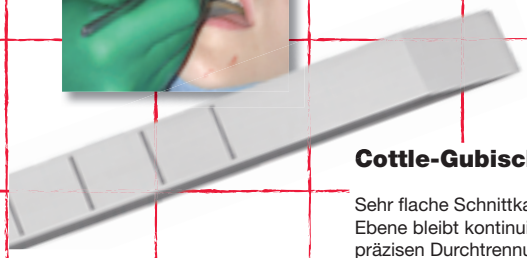
Plastic Surgery





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 nivel de osteotomía ajustado se mantiene continuado 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.

Walter

3 mm

19 cm – 7½″

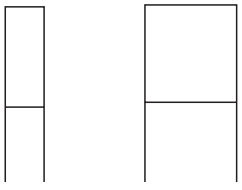
67.31.73

5 mm

19 cm – 7½″

67.31.75

graduiert
graduated
graduada
gradué
graduata



5 mm

18 cm - 7⅛″

67.30.15

12 mm

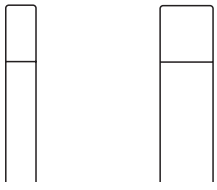
18 cm - 7⅛″

67.30.22

Hohlschliff
Hollow cut
Vaciado hueco
Rectification en creux
Levigatura vuota

Cottle-Gubisch

graduiert
graduated
graduada
gradué
graduata



4 mm

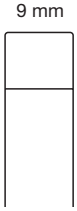
18 cm - 7⅛″

67.30.34

7 mm

18 cm - 7⅛″

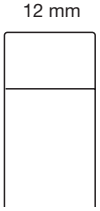
67.30.37



9 mm

18 cm - 7⅛″

67.30.39

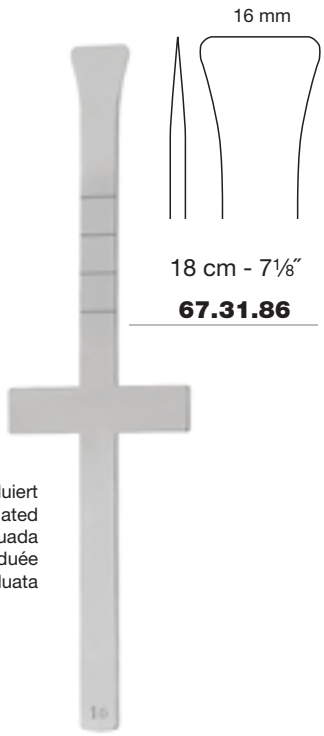


12 mm

18 cm - 7⅛″

67.30.42

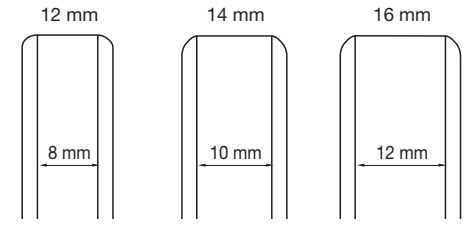
Cottle



18 cm - 7⅛″

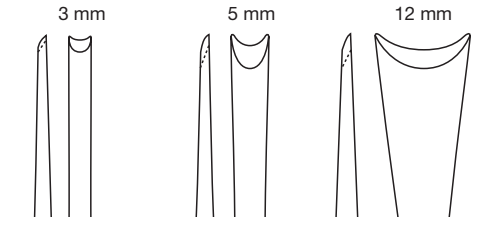
67.31.86

Cottle



18 cm - 7⅛″	18 cm - 7⅛″	18 cm - 7⅛″
67.33.12	**67.33.14**	**67.33.16**

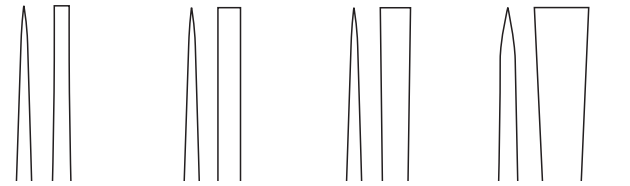
Rubin



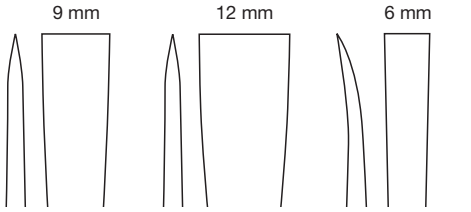
19 cm - 7½″	19 cm - 7½″	19 cm - 7½″
67.34.03	**67.34.05**	**67.34.33**

Walter

Osteotome
Osteotomes
Osteotomos
Ostéotomes
Osteotomi

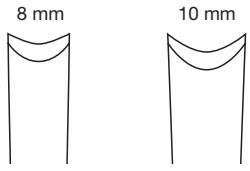


19 cm - 7½″	19 cm - 7½″	19 cm - 7½″	19 cm - 7½″
67.34.22	**67.34.23**	**67.34.24**	**67.34.27**

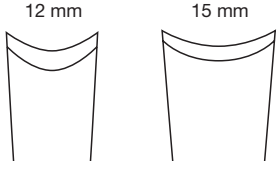


19 cm - 7½″	19 cm - 7½″	19 cm - 7½″
67.34.29	**67.34.32**	**67.34.56**

Walter

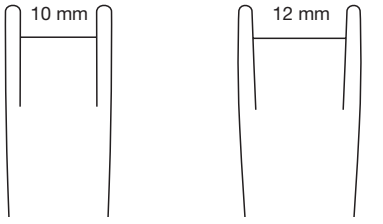


16 cm - 6¼″	16 cm - 6¼″
67.36.08	**67.36.10**

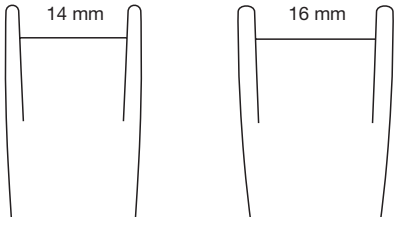


16 cm - 6¼″	16 cm - 6¼″
67.36.12	**67.36.15**

McIndoe



18 cm - 7⅛″	18 cm - 7⅛″
67.36.30	**67.36.32**

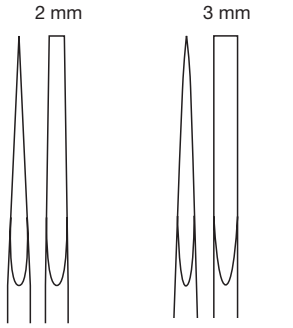


18 cm - 7⅛″	18 cm - 7⅛″
67.36.34	**67.36.36**

Moberg

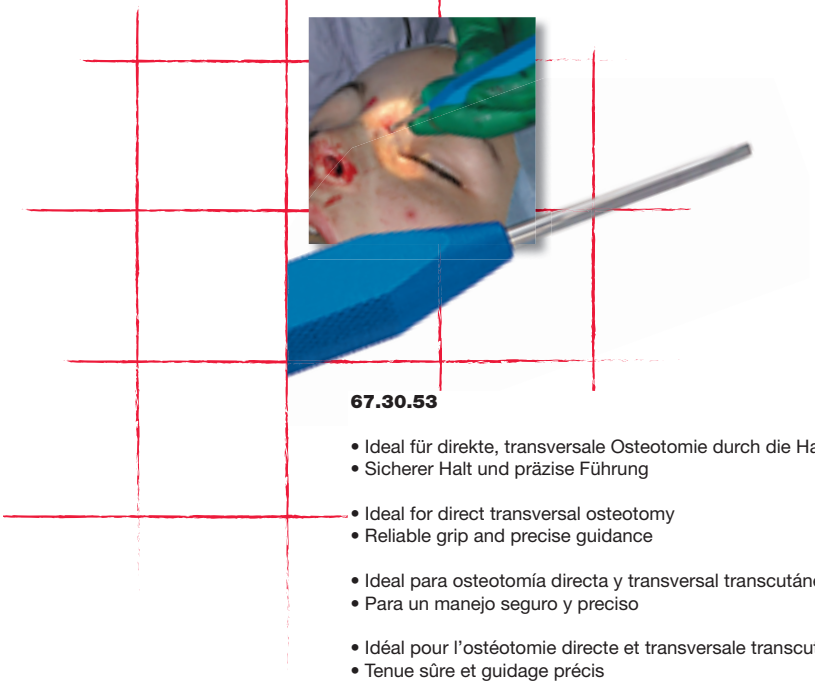
Aluminiumgriff
Aluminium handle
Mango de aluminio
Manche en aluminium
Manico in alluminio

Gubisch



18,5 cm - 7¼″ | 18,5 cm - 7¼″

67.30.52 | **67.30.53**



67.30.53

- Ideal für direkte, transversale Osteotomie durch die Haut
- Sicherer Halt und präzise Führung

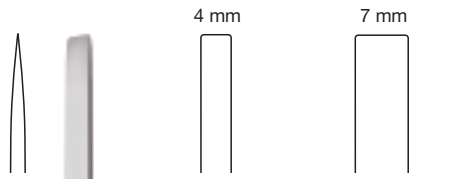
- Ideal for direct transversal osteotomy
- Reliable grip and precise guidance

- 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

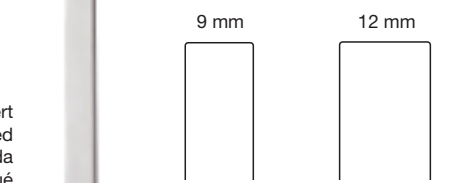
- Ideale per le osteotomie transcutanee dirette e trasversali
- Permettendo una tenuta stabile e una guida precisa

graduiert
graduated
graduada
gradué
graduata



18 cm - 7⅛″ | 18 cm - 7⅛″

67.30.04 | **67.30.07**

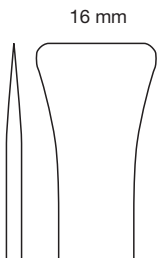


18 cm - 7⅛″ | 18 cm - 7⅛″

67.30.09 | **67.30.12**

Cottle

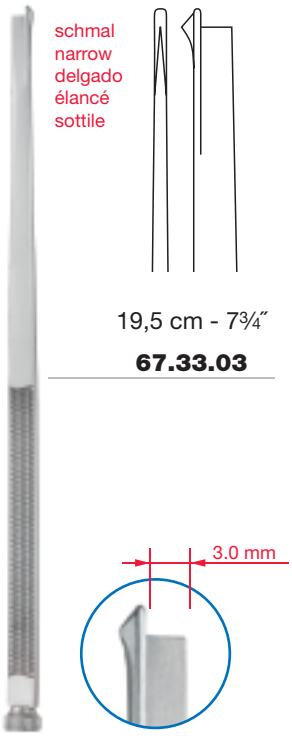
graduiert
graduated
graduada
gradué
graduata



18 cm - 7⅛″

67.31.16

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

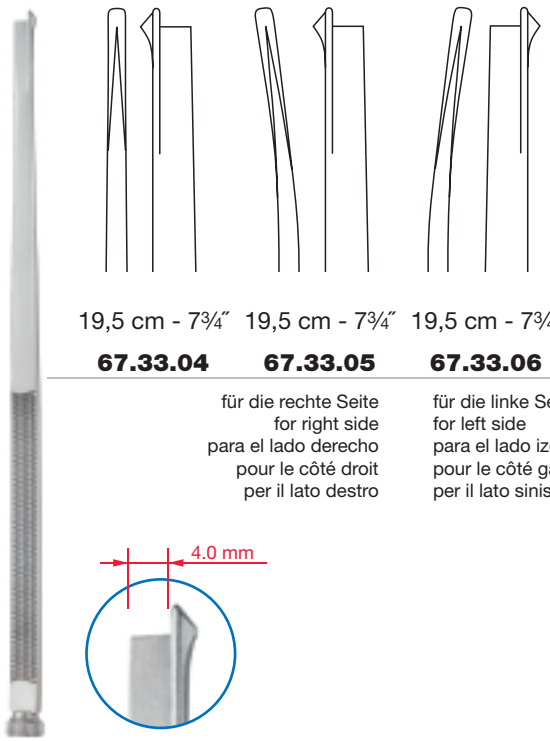
- The surgeon orientates himself by means of the lateral guiding thorn about the position of the chisel
- Minimal traumatisation
- Preferred application for lateral osteotomy with enoral and endonasal access

- 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

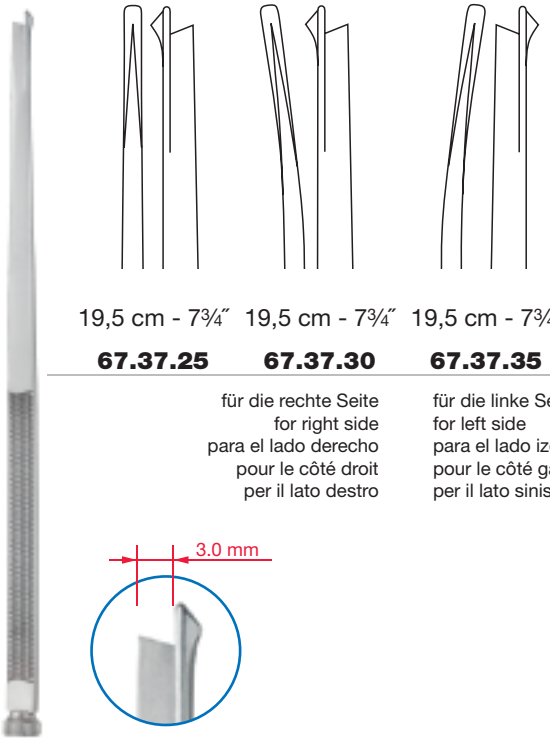
- Il chirurgo può determinare la posizione dello scalpello attraverso la spina guida
- Traumatizzazione minimo
- Applicazione preferita per osteotomia laterale con accesso enorale ed endonasale

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 côté droit per il lato destro		für die linke Seite for left side para el lado izquierdo pour le côté 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 côté droit per il lato destro		für die linke Seite for left side para el lado izquierdo pour le côté 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
gradué
graduate

für transversale Osteotomie
for transversal osteotomy
para osteotomía transversal
pour ostéotomie transversale
per osteotomia trasversale

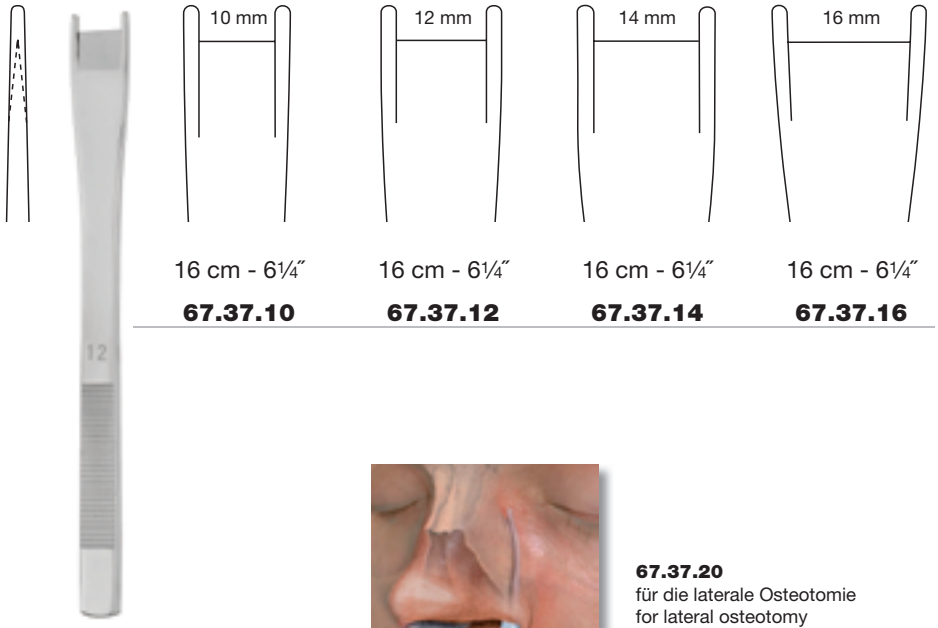
Cottle

5 mm | 7 mm | 8 mm

17 cm - 6¾″ | 17 cm - 6¾″ | 17 cm - 6¾″

67.35.05 | **67.35.07** | **67.35.08**

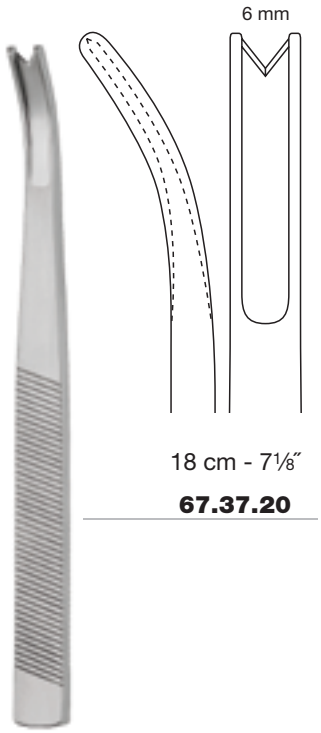
Fomon



16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″	16 cm - 6¼″
67.37.10	**67.37.12**	**67.37.14**	**67.37.16**

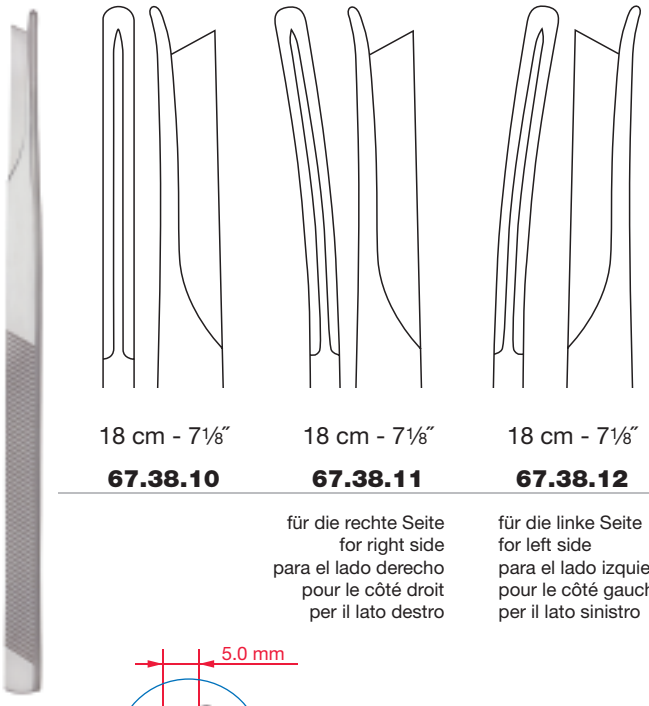
Cinelli

67.37.20
für die laterale Osteotomie
for lateral osteotomy
para la osteotomía lateral
pour l'ostéotomie latérale
per la osteotomia laterale



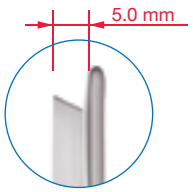
18 cm - 7⅛″
67.37.20

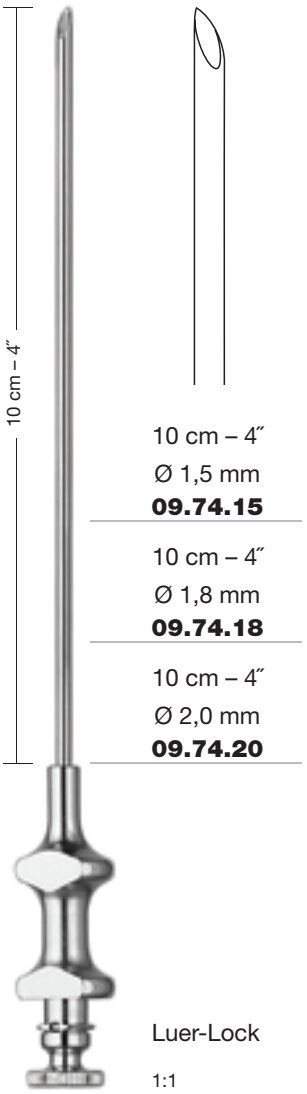
Blume



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 côté droit per il lato destro	für die linke Seite for left side para el lado izquierdo pour le côté gauche per il lato sinistro

Silver





10 cm – 4″
Ø 1,5 mm
09.74.15

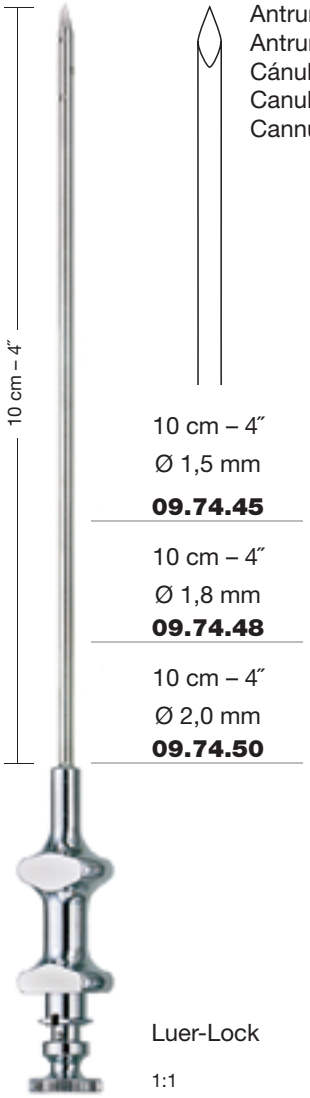
10 cm – 4″
Ø 1,8 mm
09.74.18

10 cm – 4″
Ø 2,0 mm
09.74.20

Luer-Lock

1:1

Lichtwitz



Antrumkanüle
Antrum cannulas
Cánula para el antro
Canule pour l'antre
Cannula per antro

10 cm – 4″
Ø 1,5 mm
09.74.45

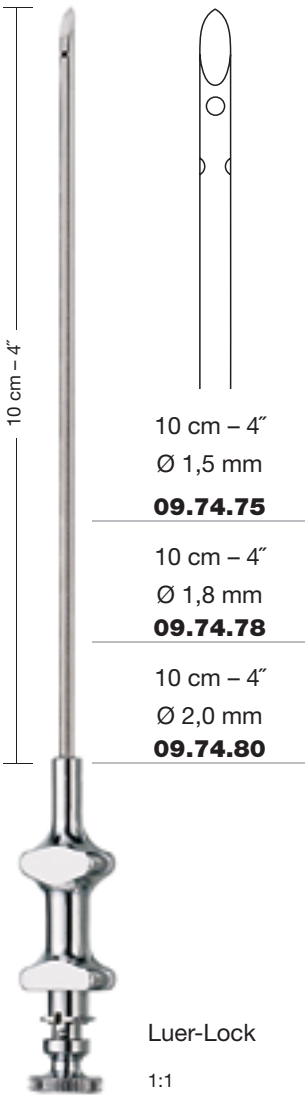
10 cm – 4″
Ø 1,8 mm
09.74.48

10 cm – 4″
Ø 2,0 mm
09.74.50

Luer-Lock

1:1

Lichtwitz-Eicken



10 cm – 4″
Ø 1,5 mm
09.74.75

10 cm – 4″
Ø 1,8 mm
09.74.78

10 cm – 4″
Ø 2,0 mm
09.74.80

Luer-Lock

1:1

Vogel

Ø 0,8 mm

09.74.91

Septum-Nadel
Septum needle
Aguja para septum
Aiguille pour cloison nasale
Ago per setto

Luer-Lock ♀

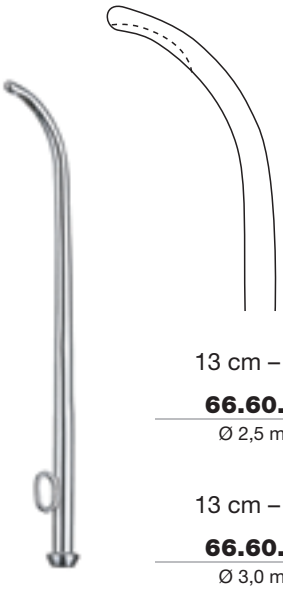
Ø 3 mm | Ø 2 mm

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

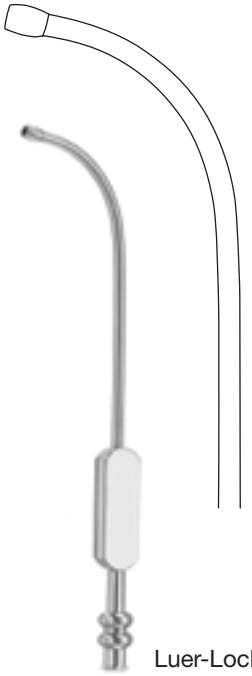
13 cm – 5⅛″ | 13 cm – 5⅛″

66.60.08 | **66.60.03**

Ø 3,0 mm | Ø 3,0 mm

Siebenmann

Siebenmann



15 cm – 6″

66.60.61

Ø 2,5 mm

15 cm – 6″

66.60.62

Ø 3,1 mm

15 cm – 6″

66.60.63

Ø 4,0 mm

Luer-Lock ♀

15 cm – 6″

66.60.66

Ø 2,5 mm

15 cm – 6″

66.60.67

Ø 3,0 mm

15 cm – 6″

66.60.68

Ø 4,0 mm

Luer-Lock ♀

biegsam
malleable
maleable
malléable
malleabile

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

Nutzlänge 10 cm
Working length 10 cm - 4″
Largo útil 10 cm
Longueur utile 10 cm
Lunghezza utile 10 cm

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

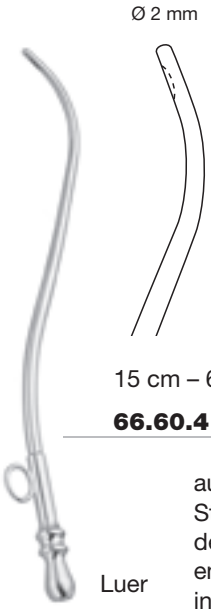
Killian

18 cm – 7⅛″

66.60.35

Luer

Killian



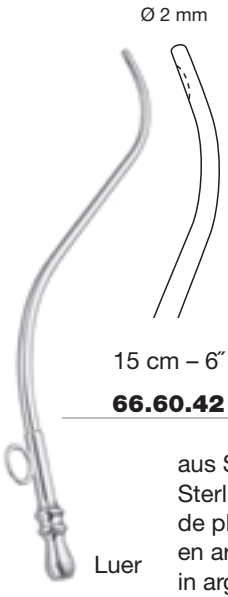
15 cm – 6″

66.60.41

Luer

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

van Alyea



15 cm – 6″

66.60.42

Luer

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

van Alyea

12 cm – 4¾″

66.60.45

Luer-Lock

van Alyea

12 cm – 4¾″

66.60.46

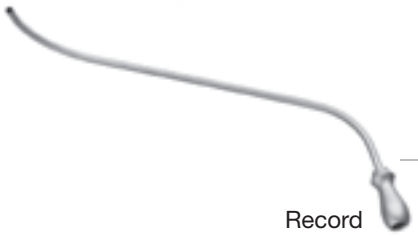
Luer-Lock

van Alyea

11 cm – 4⅜″

66.60.50

Ø 2 mm



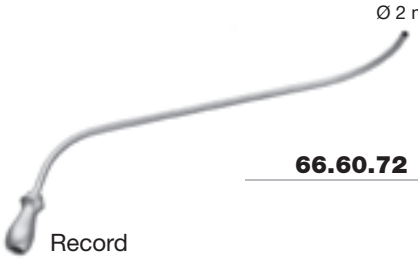
12 cm – 4¾″
Nutzlänge
Working length
Largo útil
Longueur utile
Lunghezza utile

66.60.71

Record

Hartmann

Ø 2 mm



66.60.72

Record

Hartmann

15 cm – 6″
Nutzlänge
Working length
Largo útil
Longueur utile
Lunghezza utile

1

Charr. 10

09.82.21

biegsam
malleable
maleable
malléable
malleabile

Kahn-Frazier

2

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
Longueur utile
Lunghezza utile

Charr. 6

09.82.36

Charr. 8

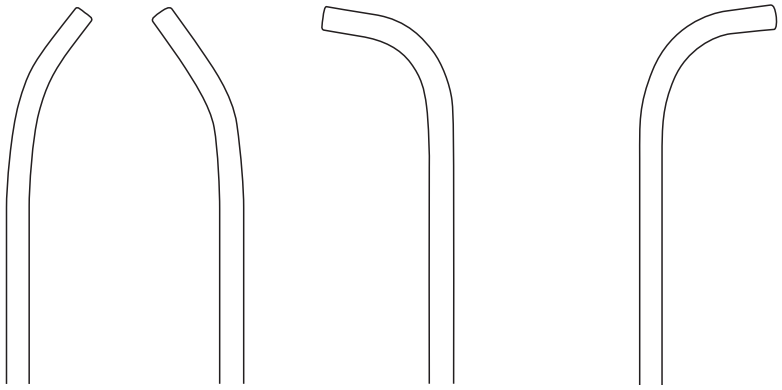
09.82.38

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
Longueur utile
Lunghezza utile

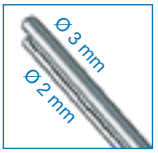
Charr. 6	Charr. 8	Charr. 10	Charr. 12	Charr. 15
09.83.26	**09.83.28**	**09.83.30**	**09.83.32**	**09.83.34**

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
Longueur utile
Lunghezza utile

Saug- und Spülsystem verwendbar mit Endoskopen Seite 412
Suction and irrigation system usable with endoscopes page 412
Sistema de aspiración y de lavado utilizable para endoscopios página 412
Système à aspiration et à irrigation à utiliser avec les endoscopes page 412
Sistema per aspirazione e lavaggio utilizzabile con endoscopi pagina 412

für Endoskope for endoscopes para endoscopios pour endoscopes per endoscopi			0°/30°	70°
	Ø 2,7 mm	175 mm	**66.70.01**	
	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

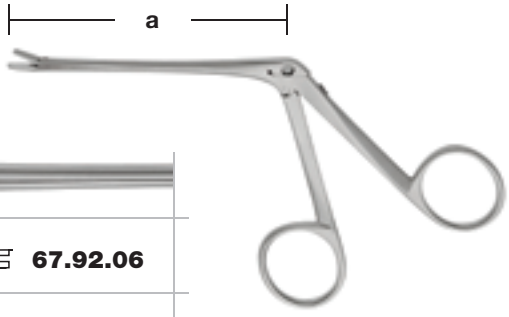
2 ml	5 ml
09.78.42	**09.78.43**
10 ml	20 ml
09.78.44	**09.78.45**

graduiert in cm
graduated in cm
graduado en cm
gradué en cm
graduato in cm

17 cm – 6¾″
67.90.05

Joseph

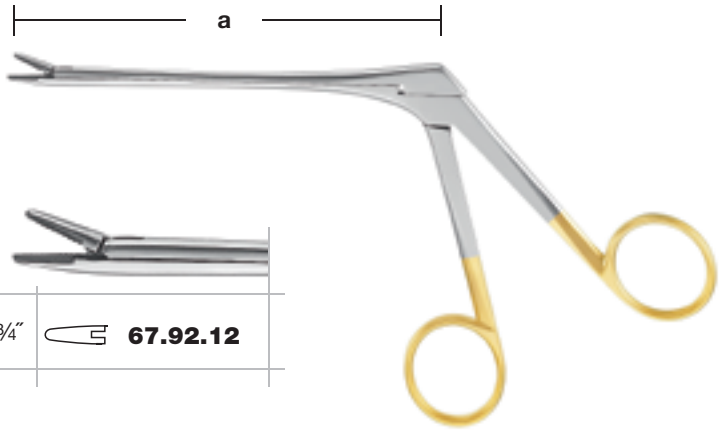
Schleimhaut-Nadelhalter
Mucosa needle holder
Porta-aguja para mucosa
Porte-aiguille pour muqueuse
Portaghi per mucosa



a = 6 cm – 2⅜″ **67.92.06**

a = 9 cm – 3½″ **67.92.09**

Cottle-Masing



a = 12 cm – 4¾″ **67.92.12**

Sulsenti Winter “HM”

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

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
con 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 composta 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 lumière froide
Cava luce fredda

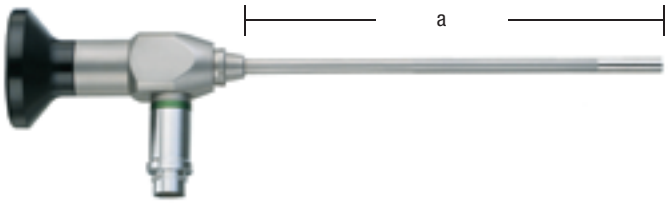
❺

Aluminiumkoffer
Aluminium case
Maletín de aluminio
Valise en aluminium
Valigetta d'alluminio

Technische Daten
Technical data
Especificaciones técnicas
Caractéristiques techniques
Dati tecnici

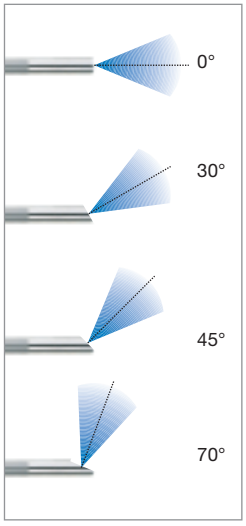
66.69.16

Blickwinkel	90°
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
Angle of view	90°
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
Ángulo visual	90°
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
Aspect	90°
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
Angolo visuale	90°
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

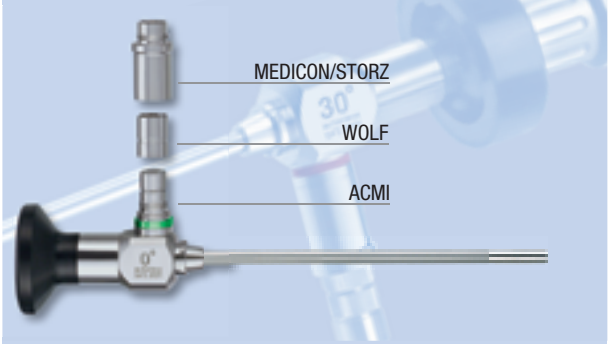


a

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 fibre optic cable
Incluyendo el adaptador para la conexión del cable conductor de luz
Avec adaptateur pour la connexion du câble conducteur de lumière en fibres de verre
Compreso l'adattatore per l'attacco di cavi conduttori di luce



Passende Handgriffe und Trokare siehe Seite 413
For suitable handles and trocars see page 413
Mangos y trócares adecuados veáse pagina 413
Manches et trocarts convenables voir page 413
Manici e trocar adattabili vedi pagina 413

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 pipetta

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
Trocar

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 Endoskope
Handles for endoscopes
Mangos para endoscopios
Manches pour endoscopes
Manici per endoscopi

Ø 2,7 mm
66.70.67

Ø 4,0 mm
66.70.68

für Endoskope 175 mm
for endoscopes 175 mm
para endoscopios 175 mm
pour endoscopes 175 mm
per endoscopi 175 mm

Verlängerungen für Trokarhülsen
Extensions for trocar sleeves
Alargamientos para vainas de trocar
Rallonges pour douilles de trocarts
Estensori per guaine di trocar

Advertisement

the art of surgery

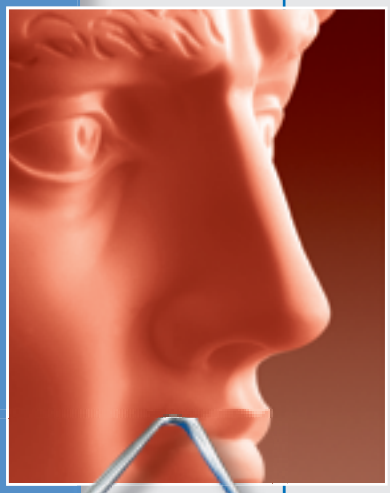
Weitere Rhinologie, Septum- und Rhinoplastik Instrumente finden Sie in unserem Gubisch Prospekt.

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 depliant Gubisch.



Gubisch

D
Adenotomie · Tonsillektomie
Adenotomy · Tonsillectomy
Adenotomía · Tonsilectomía
Adénotomie · Tonsillectomie
Adenotomia · Tonsillectomia
the art of surgery

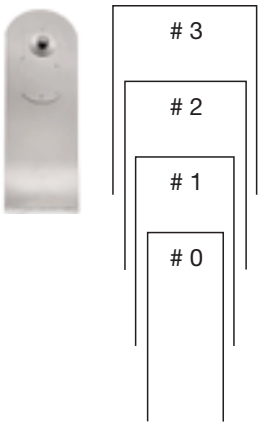
Lieferumfang: 2 Klingen je Fig.
Delivery with: 2 blades each size
Incluido en cada unidad: 2 hojas de cada figura
Inclus dans la livraison: 2 lames de chaque figure
Dotazione: 2 lame per figura

	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

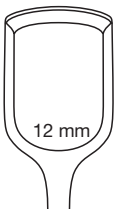
Lame di ricambio sola per adenotomi LaFORCE-MEDICON e SHAMBAUGH

Barnhill

0

22 cm – 8¾″

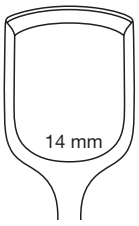
71.36.10



1

22 cm – 8¾″

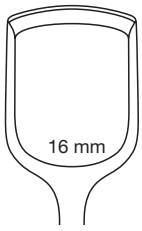
71.36.12



2

22 cm – 8¾″

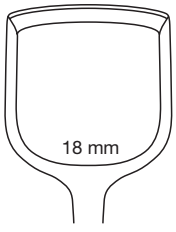
71.36.14



3

22 cm – 8¾″

71.36.16



4

22 cm – 8¾″

71.36.18

Vogel

21,5 cm - 8½″

71.32.08

Shambaugh (Negus)

0

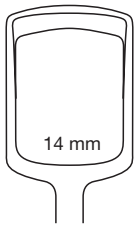
22 cm – 8¾″

71.47.10

2

22 cm – 8¾″

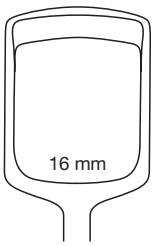
71.47.12



3

22 cm – 8¾″

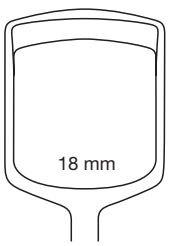
71.47.14



4

22 cm – 8¾″

71.47.16

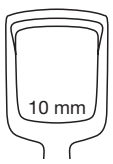


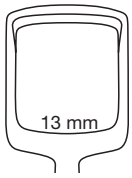
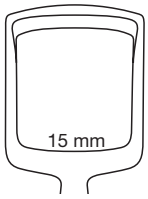
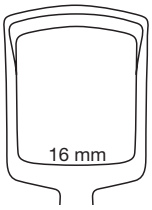
5

22 cm – 8¾″

71.47.18

Beckmann

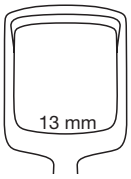
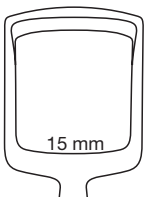
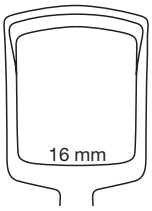
# 1	# 2	# 3
		
21,5 cm – 8½″	21,5 cm – 8½″	21,5 cm – 8½″
71.34.10	**71.34.11**	**71.34.12**

# 4	# 5	# 6
		
21,5 cm – 8½″	21,5 cm – 8½″	21,5 cm – 8½″
71.34.13	**71.34.15**	**71.34.16**

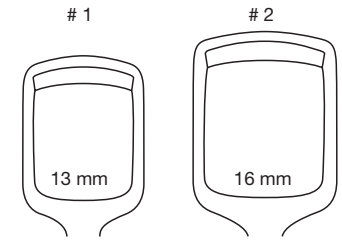
Beckmann

mit Fangkorb
with basket
con cesto colector
avec panier
con cestello collettore

# 1	# 2	# 3
21,5 cm – 8½″	21,5 cm – 8½″	21,5 cm – 8½″
71.34.60	**71.34.61**	**71.34.62**

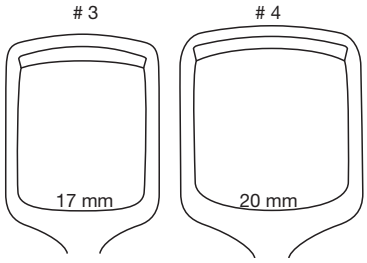
# 4	# 5	# 6
		
21,5 cm – 8½″	21,5 cm – 8½″	21,5 cm – 8½″
71.34.63	**71.34.65**	**71.34.66**

St. Clair-Thomson



23,5 cm – 9¼″ | 23,5 cm – 9¼″

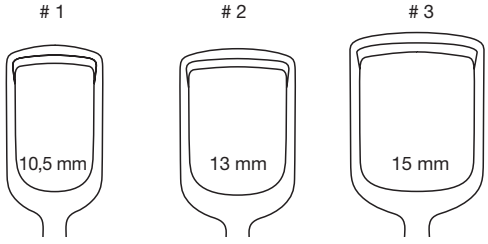
71.48.11 | **71.48.12**



23,5 cm – 9¼″ | 23,5 cm – 9¼″

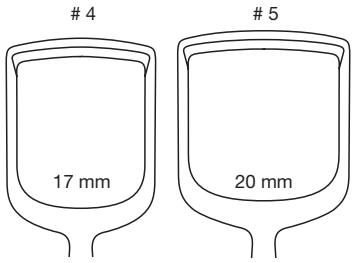
71.48.14 | **71.48.17**

Katz



22 cm – 8¾″ | 22 cm – 8¾″ | 22 cm – 8¾″

71.45.12 | **71.45.13** | **71.45.15**

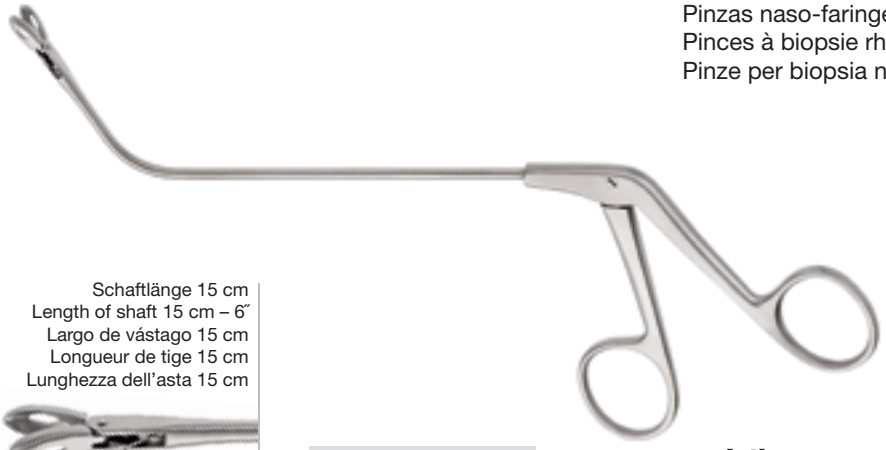


22 cm – 8¾″ | 22 cm – 8¾″

71.45.16 | **71.45.17**

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

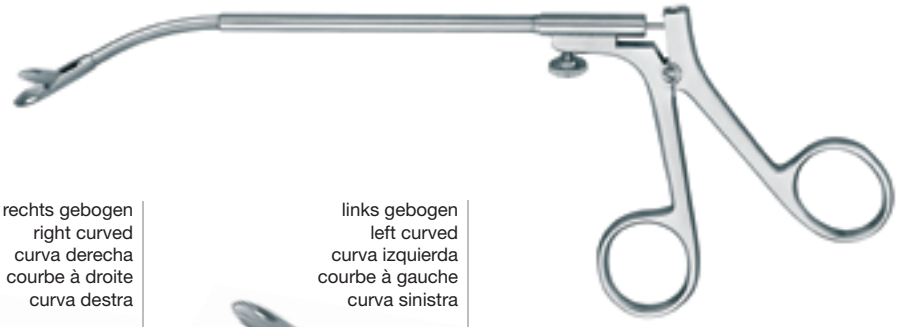
71.50.50

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



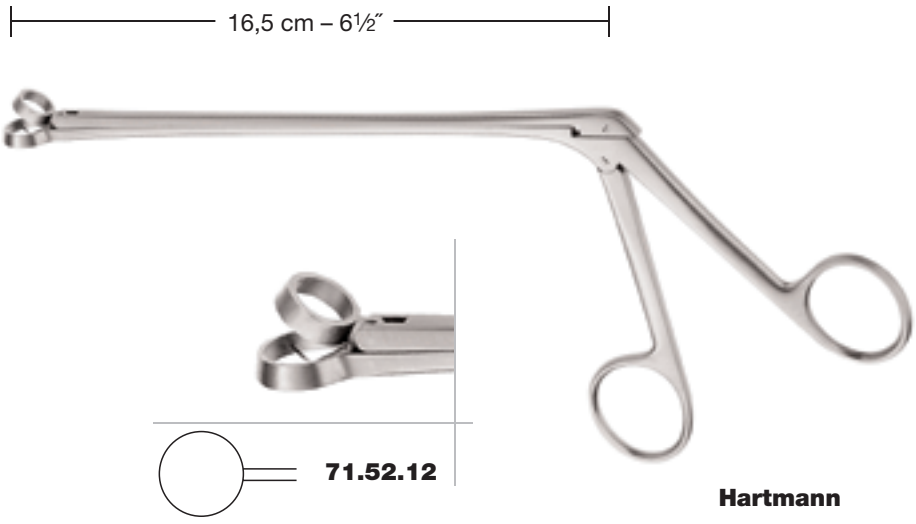
rechts gebogen
right curved
curva derecha
courbe à droite
curva destra

71.50.62

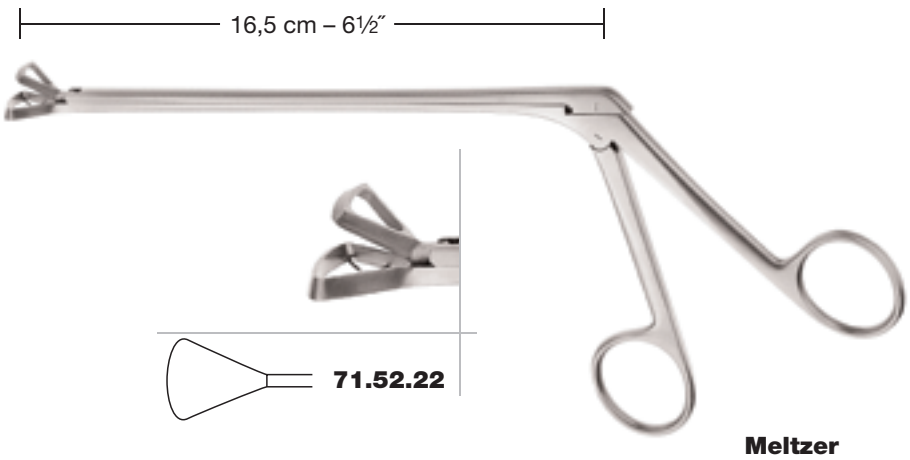
links gebogen
left curved
curva izquierda
courbe à gauche
curva sinistra

71.50.63

Schaft
Shaft
Vástago
Tige
Asta
ø **4,7** mm



Hartmann



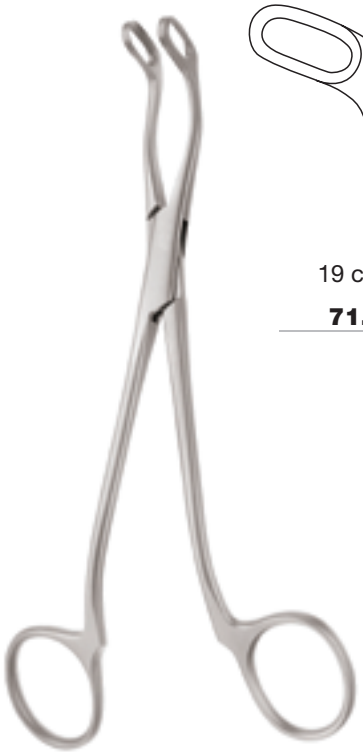
Meltzer

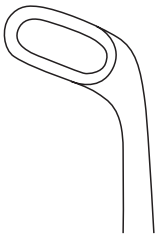
scharf
sharp
cortante
tranchant
tagliente

18 cm – 7⅛″

71.50.18

St. Clair-Thomson





scharf
sharp
cortante
tranchant
tagliente

19 cm – 7½″

71.50.19

Jurasz

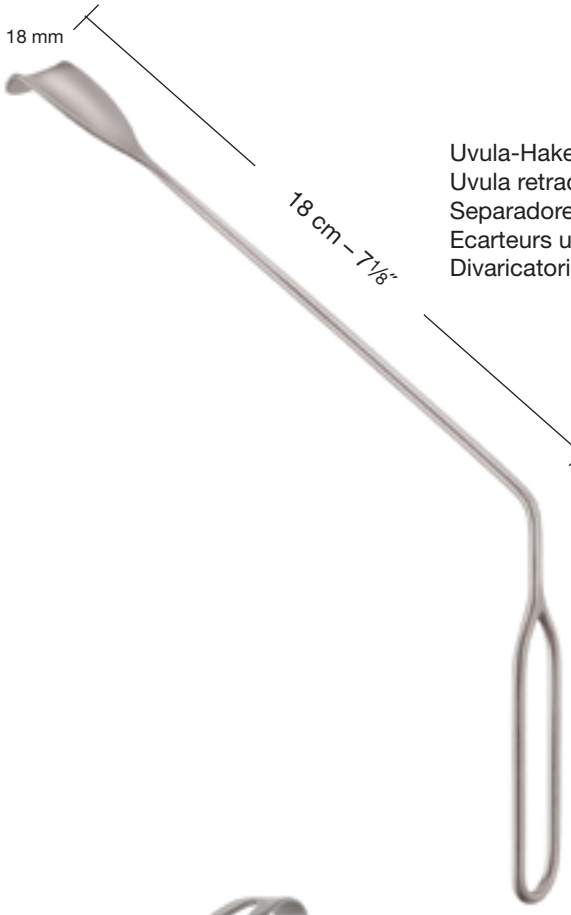
Uvula-Haken
Uvula retractors
Separadores uvulares
Ecarteurs uvulaires
Divaricatori per ugola

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 P 100

Holz
Wood
Madera
Bois
Legno

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
Doyen

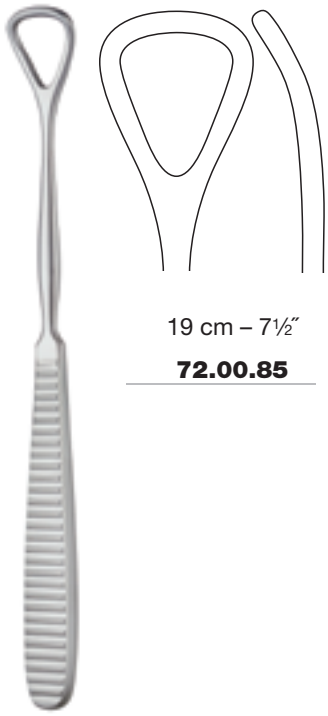
16 cm – 6¼″
72.00.28
Doyen

16,5 cm – 6½″
72.00.35
Frenzel

19 cm – 7½″
72.00.50
Brünings

Medicon Instrumente
the art of surgery

P x Verpackungseinheit “X” Stück
Packing unit “X” pieces
Paquete de “X” unidades
Emballage de “X” pièces
Confezione da “X” pezzi



19 cm – 7½″

72.00.85

Moritz-Schmidt

21 cm – 8¼″

72.00.95

LeMee

Fingerschützer
Finger guard
Dedaleras
Protège-doigt
Proteggi dita

Ø 17 – 21 mm

72.01.01

1

Ø 19 – 24 mm

72.01.02

2

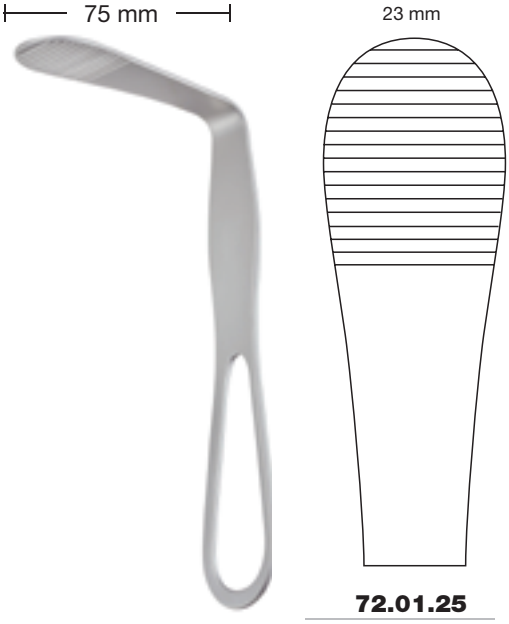
Ø 21 – 26 mm

72.01.03

3

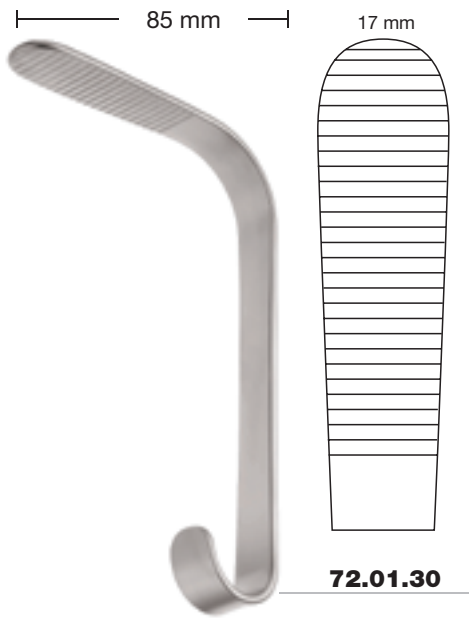
72.01.15

Tobold



72.01.25

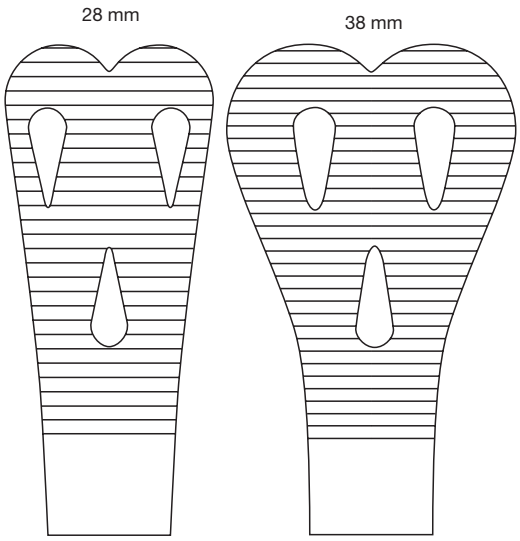
Hartmann



72.01.30

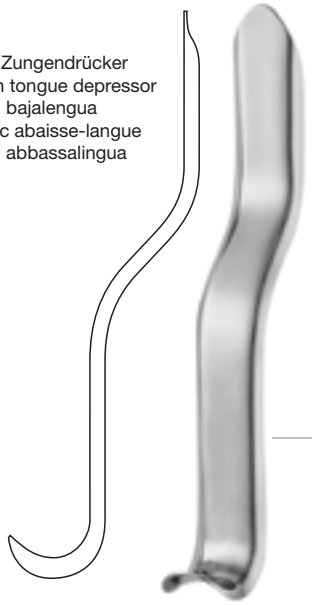
Andrews

Wieder



72.01.40

72.01.41

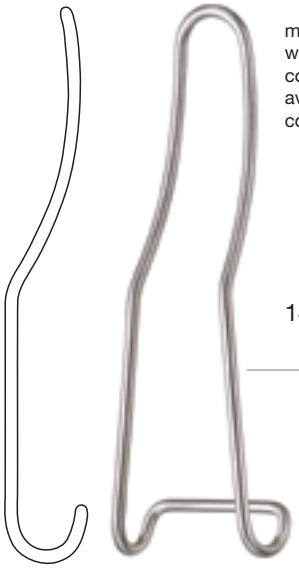


mit Zungendrücker
with tongue depressor
con bajalengua
avec abaisse-langue
con abbassalingua

15,5 cm - 6⅛″

72.02.10

Univ. Minnesota Cawood



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

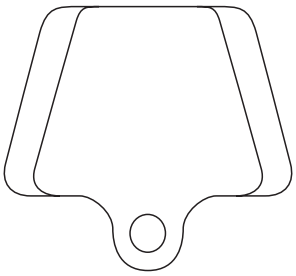
72.04.20

Hartgummi
Hard rubber
Ebonita
Ebonite
Ebanite

Mundkeile
Mouth gags
Abrebocas
Baîllons
Apribocca

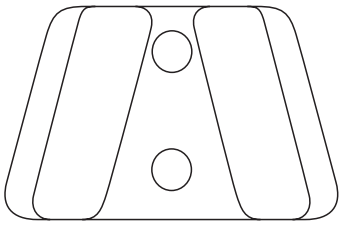
1:1

McKesson



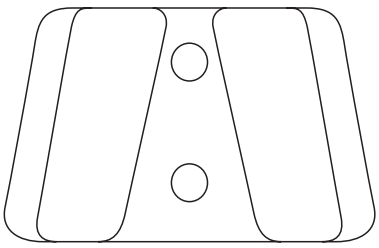
72.10.01 P 2

für Kleinkinder
for infants
para niños pequeños
pour petits enfants
per bambini piccoli



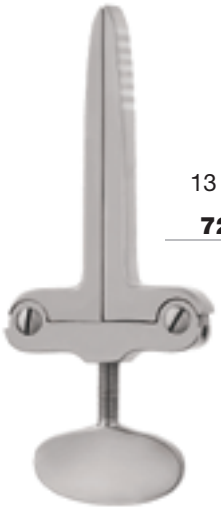
72.10.02 P 2

für Kinder
for children
para niños
pour enfants
per bambini



72.10.03 P 2

für Erwachsene
for adults
para adultos
pour adultes
per adulti



13 cm – 5⅛″

72.05.05

Heister

P X Verpackungseinheit “X” Stück
Packing unit “X” pieces
Paquete de “X” unidades
Emballage de “X” pièces
Confezione da “X” pezzi

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

907.20.20

Silikonschutz allein, Paar
Silicone guard only, pair
Goma de silicona sola, par
Protection en silicone seule, paire
Protezione di silicone sola, paio

13 cm - 5⅛″

72.05.60

Denhart

12,5 cm – 5″

72.05.61

Denhart

12,5 cm – 5″

72.05.63

Denhart-Hoefert

Bewegliche Auflagen
Movable supports
Soportes móviles
Support mobiles
Supporti mobili

Hanna

20 cm – 8″

72.00.52

Claudinha

21 cm – 8¼″

72.00.56

Zungenspatel verwendbar mit Mundsperrer:
Tongue spatulas for use with mouth gag:
Espátulas bucales aplicable con el abreboca:
Spatules à langue à utiliser avec l'ouvre-bouche:
Spatole per lingua utilizzabile con l'apribocca:

Denhart-Hoefert
72.05.60
72.05.61
72.05.63

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

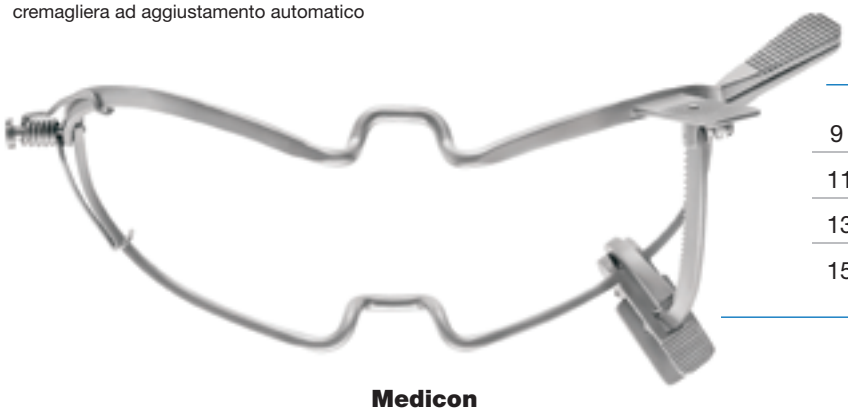
Jennings

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

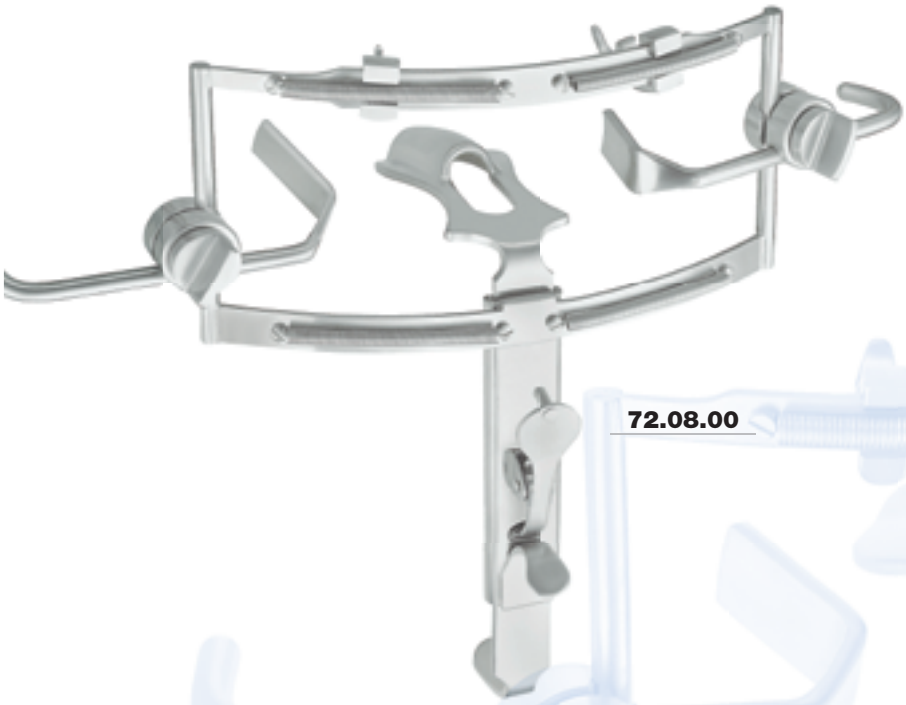


Medicon

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 écarteurs pour joues
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 depressors only
Bajalenguas 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 Bajalenguas Abaisse-langue Abbassalingua	1× 72.08.11 1× 72.08.12 1× 72.08.13

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 écarteurs 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 depressors only
Bajalenguas 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-langue 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-langue 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.

Davis-Mayer

45.52.22	**45.52.23**
Rahmen allein Frame only Bastidor solo Cadre seul Telaio solo	für Kinder for children para niños pour enfants per bambini

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

45.52.19
Gaumenplatte
Palate plate
Placa paladinal
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 Bajalenguas 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 Bajalenguas Abaisse-langues Abbassalingua	1× 45.53.11 1× 45.53.12 1× 45.53.13

45.52.31

Rahmen allein
Frame only
Bastidor solo
Cadre seul
Telaio solo

1
55 × 25 mm
72.08.11

2
60 × 27 mm
72.08.12

3
70 × 30 mm
72.08.13

65 × 28 mm
45.57.11

45.52.30
Köln

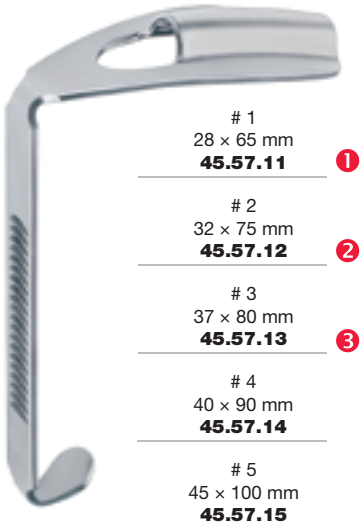
komplett, bestehend aus:
complete, consisting of:
completo, compuesto de:
complet, se composant de:
completo, composto da:

1	Rahmen Frame Bastidor Cadre Telaio	1× 45.52.31
4	Zungendrücker Tongue depressors Bajalenguas Abaisse-langues Abbassalingua	1× 45.57.11 1× 72.08.11 1× 72.08.12 1× 72.08.13

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-Dougthy

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 Bajalenguas Abaisse-langues Abbassalingua	1× 45.57.11 ❶ 1× 45.57.12 ❷ 1× 45.57.13 ❸
1	Gaumenplatte Palate plate Placa palatinal Plaque palatine Placca palatina	1× 45.57.19

45.57.19

Gaumenplatte
Palate plate
Placa palatinal
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

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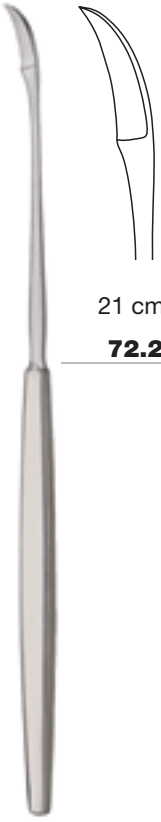
the art of surgery

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

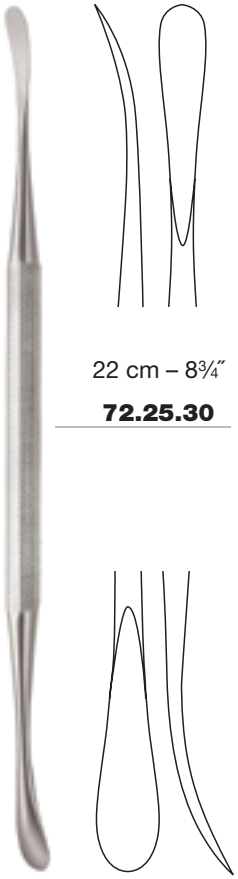
22 cm – 8¾″
72.25.15

22 cm – 8¾″
72.25.20

6 mm

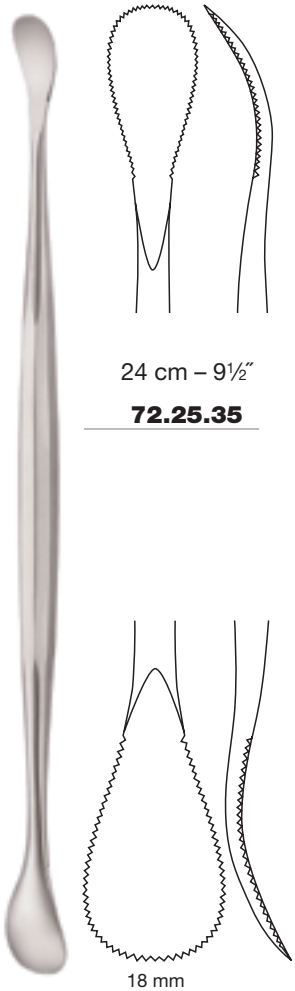
10 mm

Hurd



22 cm – 8¾″
72.25.30

Alderdice



12 mm

24 cm – 9½″
72.25.35

18 mm

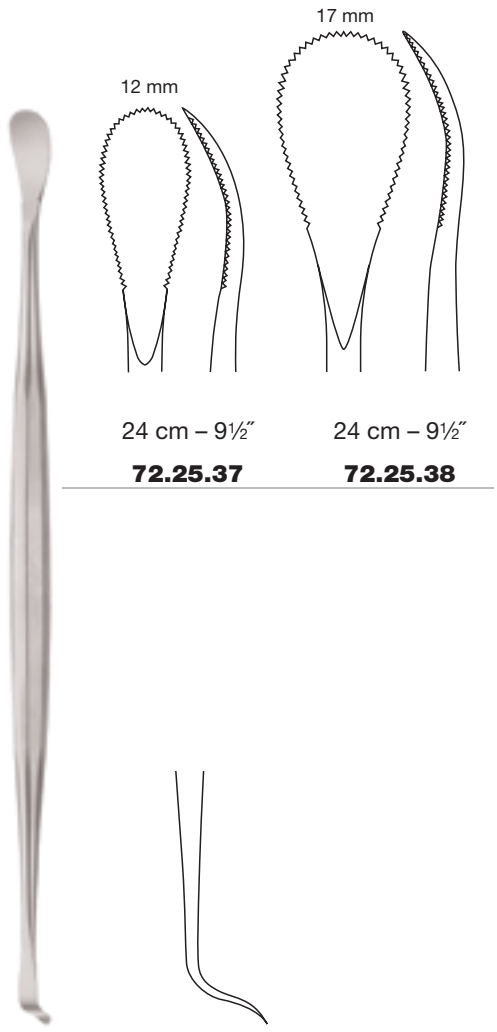
Henke

Ø 0,9 mm

18 cm – 7⅛″
72.25.01

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

Seiffert



24 cm – 9½″
72.25.37

24 cm – 9½″
72.25.38

Henke

23 cm – 9″
72.25.40

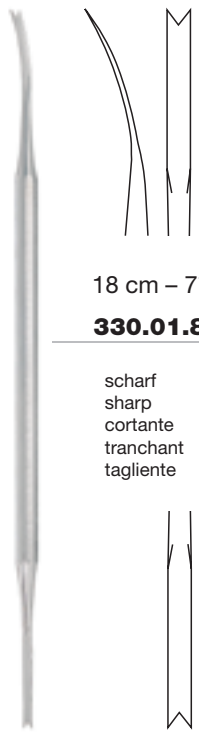
mit Absaugvorrichtung
with suction device
con aspiración
avec aspiration
con aspiratore

Lopez-Reinke

27 cm – 10¾″
72.25.45

Enukleator
Enucleator
Enucleador
Enucléateur
Enucleatore

Carpenter



18 cm – 7⅛″

330.01.80

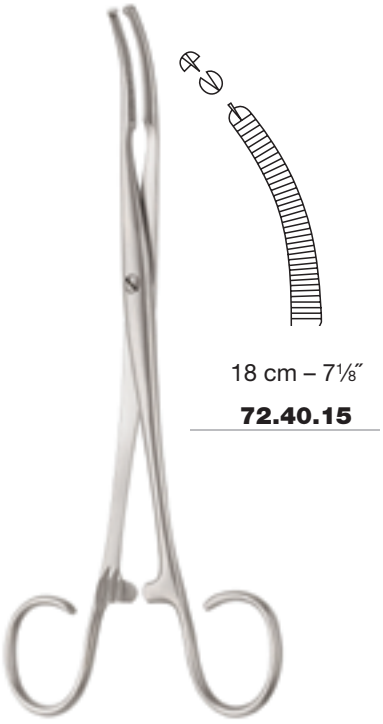
scharf
sharp
cortante
tranchant
tagliente

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

21 cm – 8¼″

72.40.50

Tyding

20 cm – 8″

72.40.90

Thilenius

23 cm – 9″

72.40.23

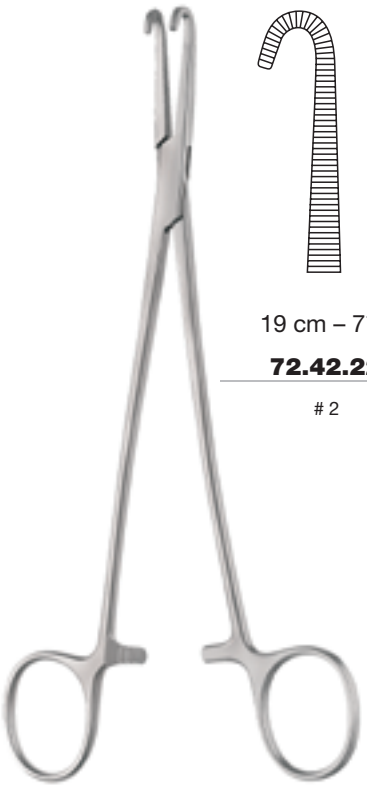
White

19 cm – 7½″

72.42.21

1

Negus



19 cm – 7½″

72.42.22

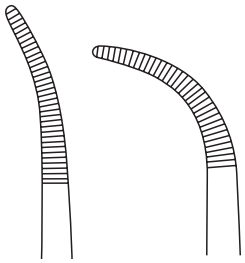
2

Negus

18,5 cm – 7¼″

72.42.90

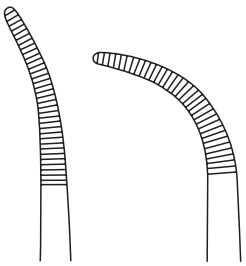
McWorther-Lothrop



19 cm – 71/2″ | 19 cm – 71/2″

17.21.50 | **17.21.55**

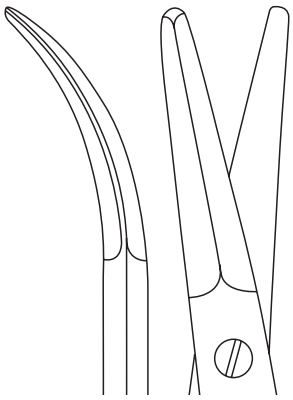
Schnidt (Boettcher) | **Schnidt (Sawtell)**



19 cm – 71/2″ | 19 cm – 71/2″

17.21.51 | **17.21.56**

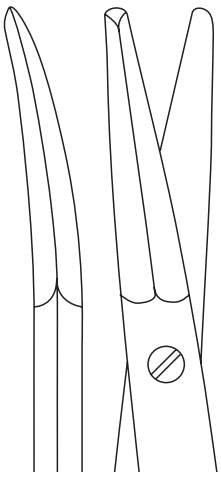
Schnidt (Boettcher) | **Schnidt (Sawtell)**



18 cm - 7⅛″

72.45.20 standard

Prince



18 cm - 7⅛″

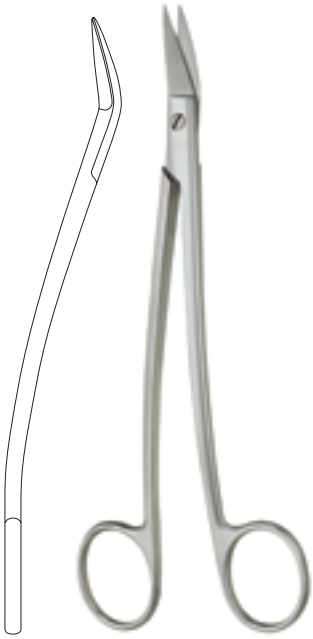
72.45.25 standard

Boettcher

19 cm – 7½″

72.45.30 standard

Good



17 cm - 6¾″

72.45.50	standard
272.45.50	supercut
282.45.50	black line

Dean

Gezahnte Schneiden
Serrated cutting edges
Hojas dentadas
Lames dentelées
Lame dentellate

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

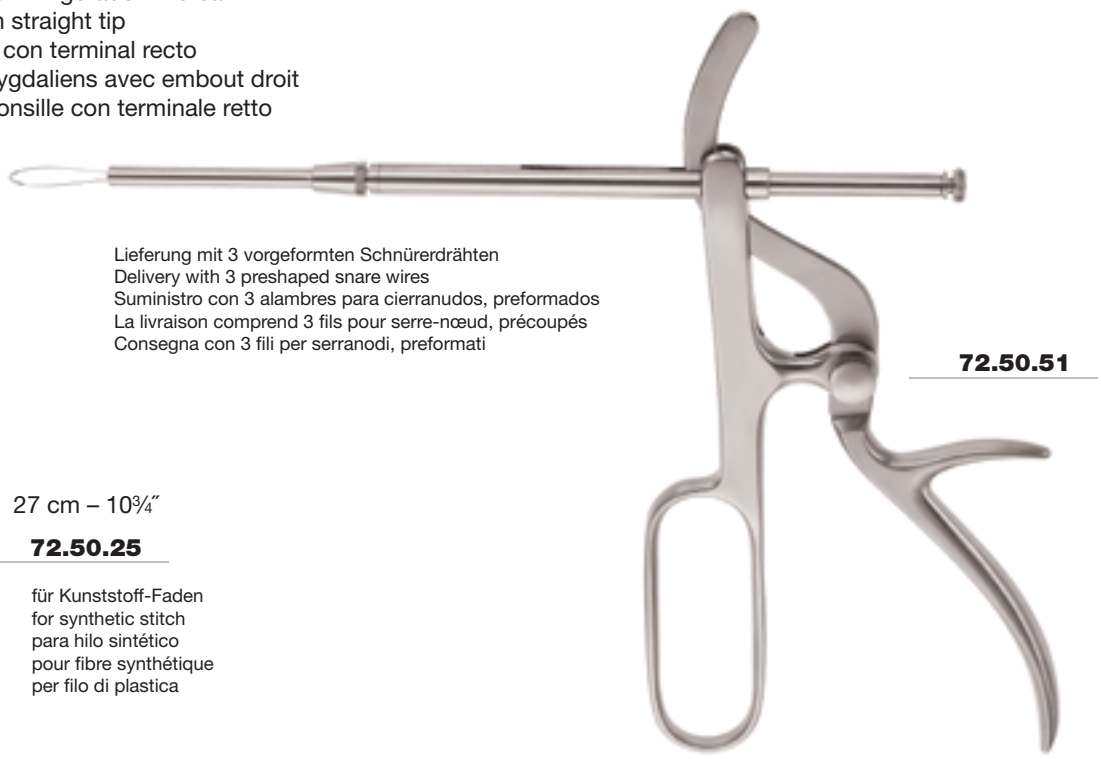
27 cm – 10¾″

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-nœud amygdaliens avec embout droit
Serranodo per tonsille con terminale retto



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, précoupés
Consegna con 3 fili per serranodi, preformati

72.50.51

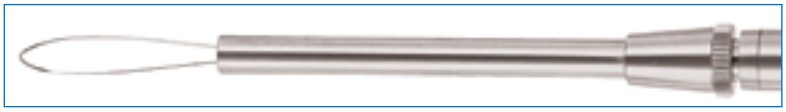
Tyding

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



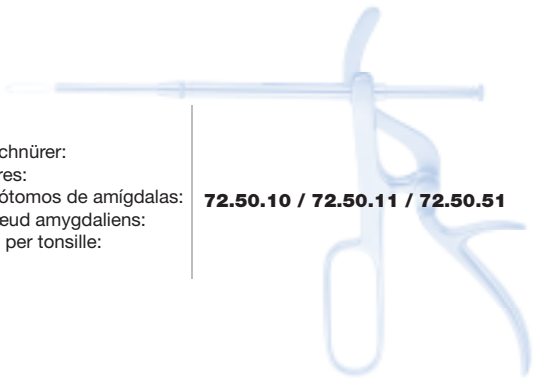
72.50.53
gerader Aufsatz allein
straight tip only
Terminal recto solo
Embout droit seul
Terminale retto solo

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-nœud
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-nœud amygdaliens:
per serranodi per tonsille:

72.50.10 / 72.50.11 / 72.50.51

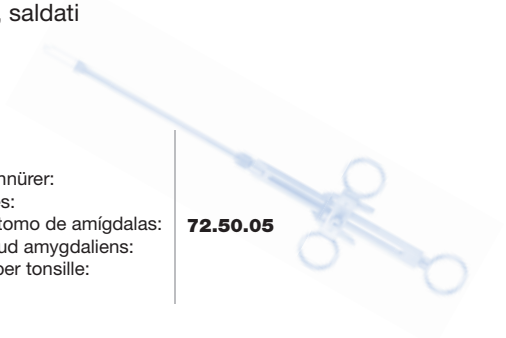
Ø 0,35 mm	Ø 0,40 mm	Ø 0,45 mm	Ø 0,50 mm
72.50.96	**72.50.97**	**72.50.98**	**72.50.99**
P 100	P 100	P 100	P 100

Standardgröße
Standard size
Espesor estándar
Epaisseur standard
Spessore standard

Schnürerdrähte, vorgeformt
Snare wires, preshaped
Alambres para amigdalótomos, preformados
Fils pour serre-nœud, pré coupés
Fili per serranodi, preformati

Ø 0,4 mm
72.50.95 P 100

Drahtschlingen, gelötet
Wire loops, soldered
Lazos de alambre, soldados
Anses en fil, soudées
Anse di filo, saldati



für Tonsillenschnürer:
for tonsil snares:
para amigdalótomo de amígdalas:
pour serre-nœud amygdaliens:
per serranodi per tonsille:

72.50.05

P X Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi

72.60.10

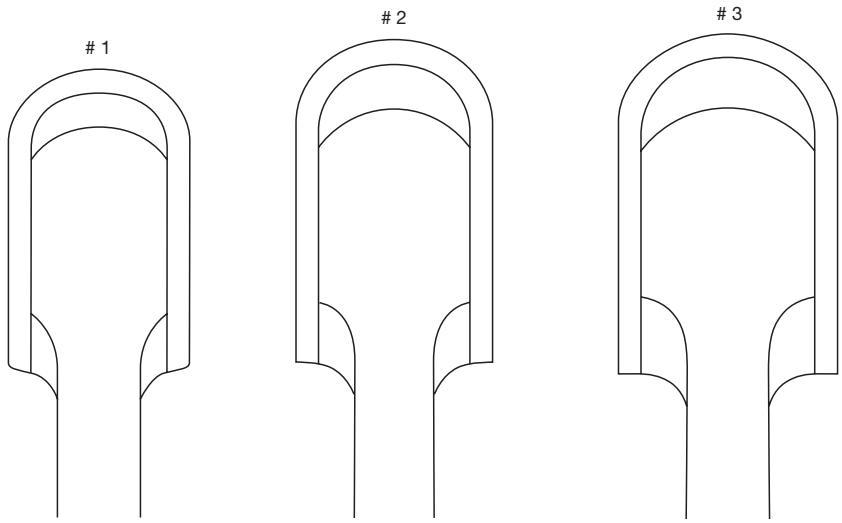
Sluder-Ballenger

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

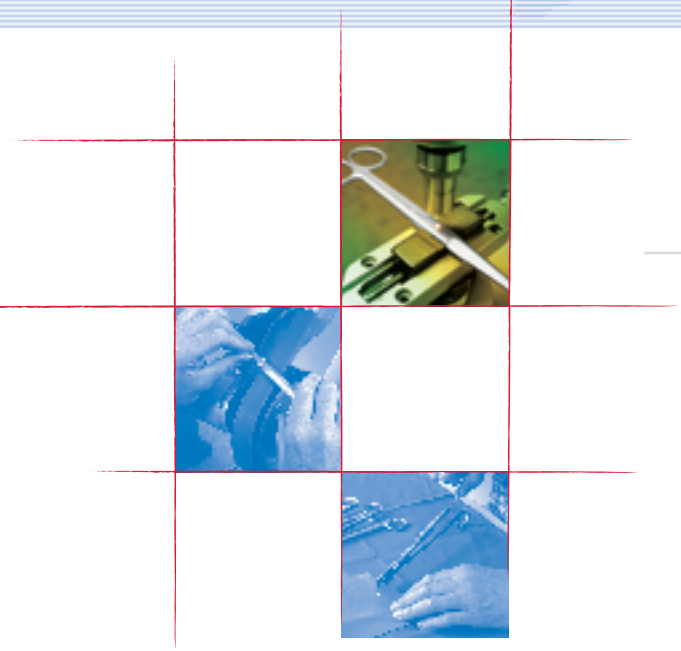
72.60.19

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



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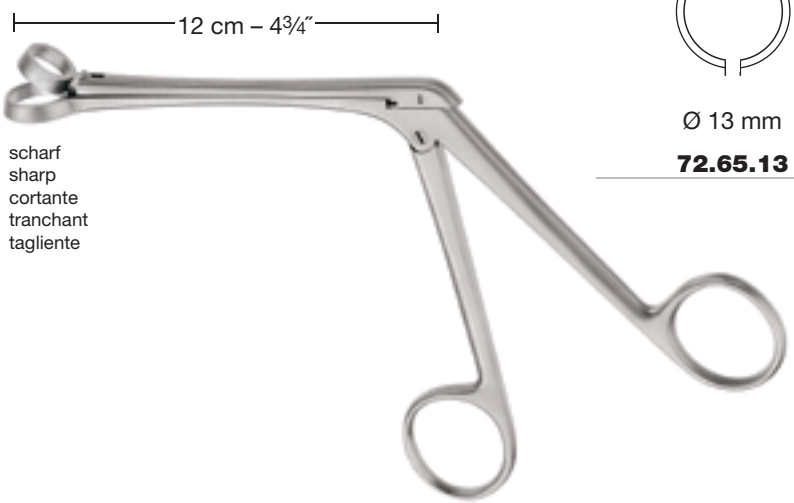
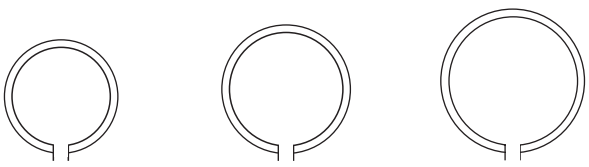
Medicon Repair Service



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

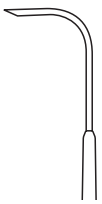
12 cm – 4¾″

72.95.10

45°

12 cm – 4¾″

72.95.14

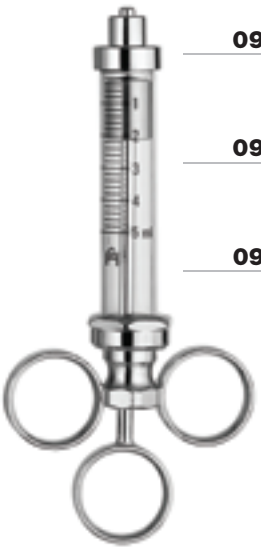


90°

12 cm – 4¾″

72.95.19

Luer-Lock



2 ml

09.78.52

5 ml

09.78.53

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

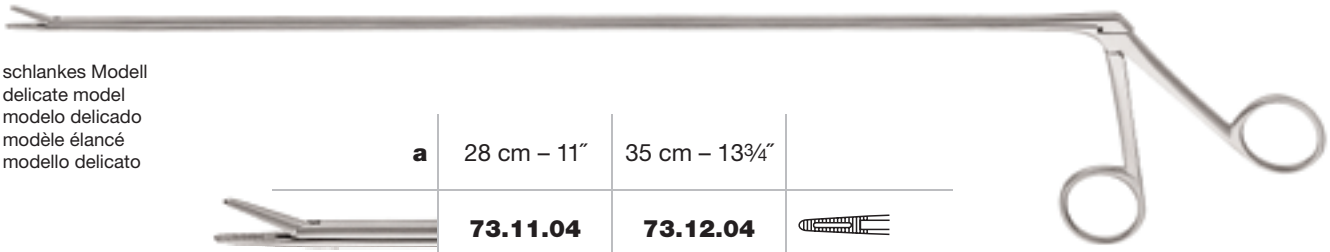
10 ml

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 · Esofagoscopía · Endoscopía oral
Laryngoscopie · Bronchoscopie · Oesophagoscopie · Endoscopie orale
Laringoscopia · Broncoscopia · Esofagoscopia · Endoscopia orale
E
the art of surgery

a



schlankes Modell
delicate model
modelo delicado
modèle élancé
modello delicato

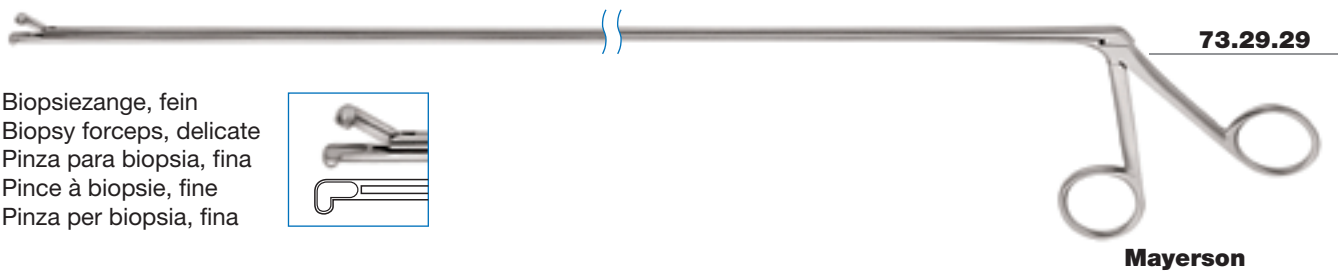
Jackson

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**	
	73.11.31	**73.12.31**	
	73.11.35	**73.12.35**	

Patterson

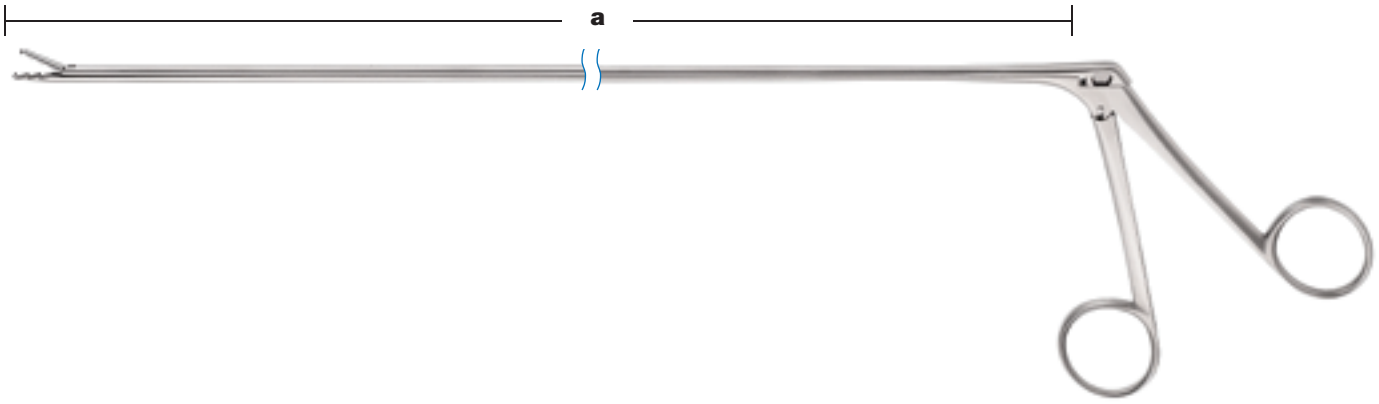
47 cm – 18½″



73.29.29

Biopsiezange, fein
Biopsy forceps, delicate
Pinza para biopsia, fina
Pince à biopsie, fine
Pinza per biopsia, fina

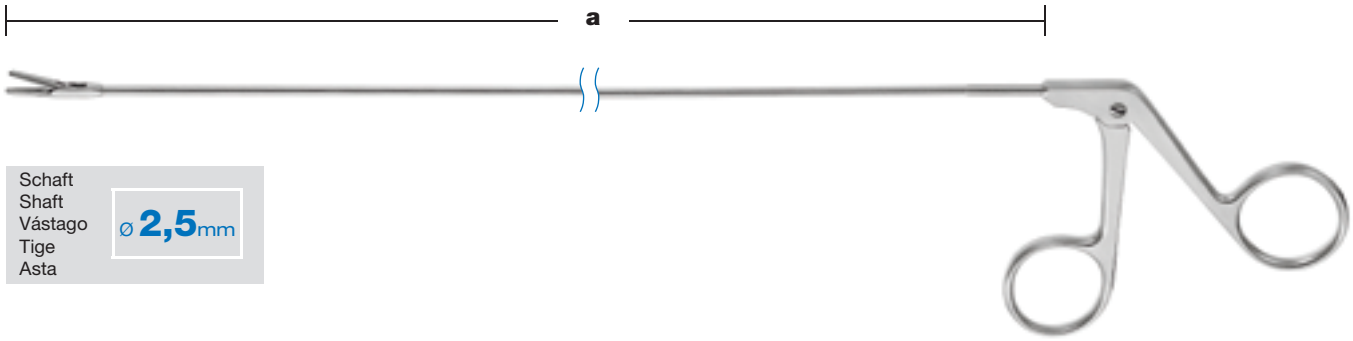
Mayerson



Jackson

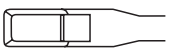
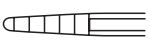
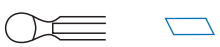
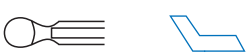
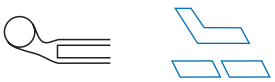
a	30 cm – 11¾″	40 cm – 15¾″	50 cm – 19¾″	60 cm – 23¾″	
	73.13.04	**73.14.04**	**73.15.04**	**73.16.04**	
	73.13.05	**73.14.05**	**73.15.05**	**73.16.05**	
	73.13.06	**73.14.06**	**73.15.06**	**73.16.06**	
	73.13.12	**73.14.12**	**73.15.12**	**73.16.12**	Ø 2 mm
	73.13.14	**73.14.14**	**73.15.14**	**73.16.14**	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**	

Broncho-Oesophagoskopiezangen
Bronchial-Esophageal Forceps
Pinzas bronco-esofagoscópicas
Pinces broncho-oesophagiennes
Pinze per bronco-esofagoscopia



Schaft
Shaft
Vástago
Tige
Asta

ø **2,5**mm

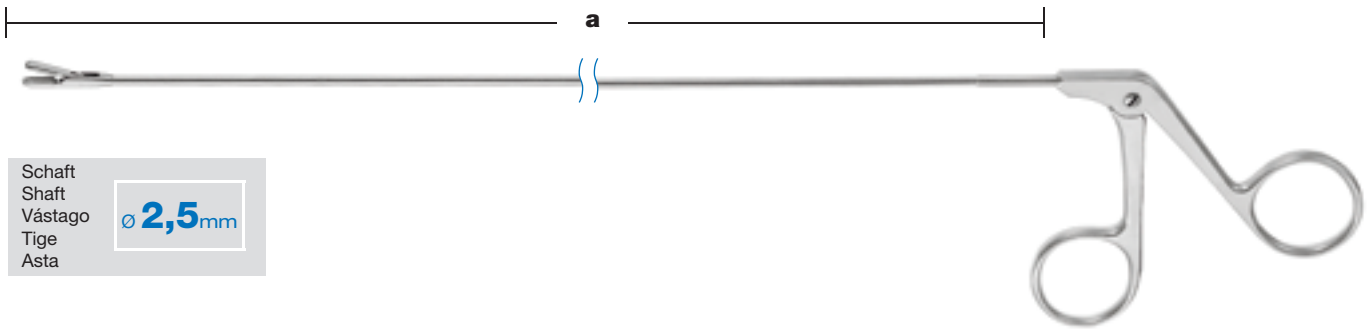
a	40 cm – 15¾″	50 cm – 19¾″	60 cm – 23¾″	
	73.19.00	**73.20.00**	**73.21.00**	
	73.19.01	**73.20.01**	**73.21.01**	
	73.19.02	**73.20.02**	**73.21.02**	
	73.19.03	**73.20.03**	**73.21.03**	
	73.19.04	**73.20.04**	**73.21.04**	
	73.19.05	**73.20.05**	**73.21.05**	
	73.19.06	**73.20.06**	**73.21.06**	

Medicon Instrumente
the art of surgery

gerade
straight
recta
droit
retta

aufgewinkelt
angled upwards
angulada hacia arriba
coudé en haut
angolata verso l'alto

horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale



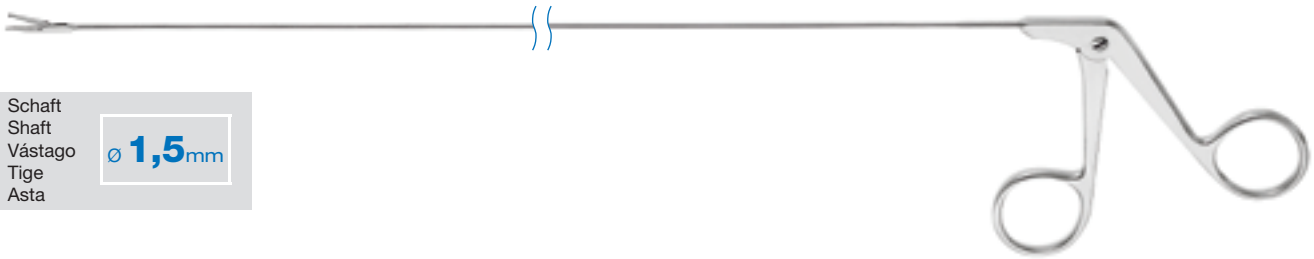
Schaft
Shaft
Vástago
Tige
Asta

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 courbé à droite curva a destro
	73.19.08	**73.20.08**	**73.21.08**	links gebogen curved left curva izquierda courbé à gauche curva a 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**	

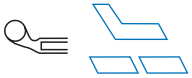
Laryngo- und Kinder-Bronchoskopiezangen
Laryngeal and Pediatric Bronchoscopy Forceps
Pinzas laringo y broncoscópicas para niños
Pinces laryngo et bronchoscopiques pour enfants
Pinze per laringo e broncoscopia per bambini

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 courbé à droite curva a destro
	73.22.07	links gebogen curved left curva izquierdo courbé à gauche curva a sinistro
	73.22.08	
	73.22.09	
	73.22.10	

Medicon Instrumente
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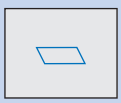
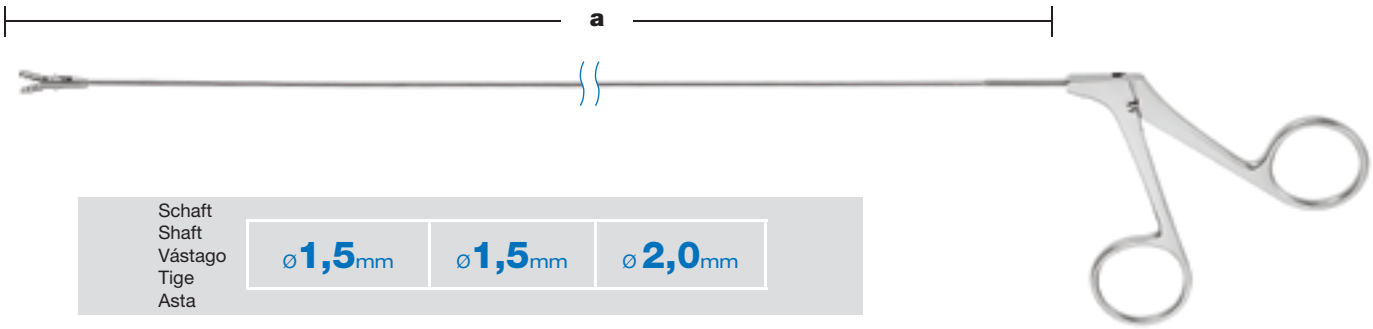

gerade
straight
recta
droit
retta

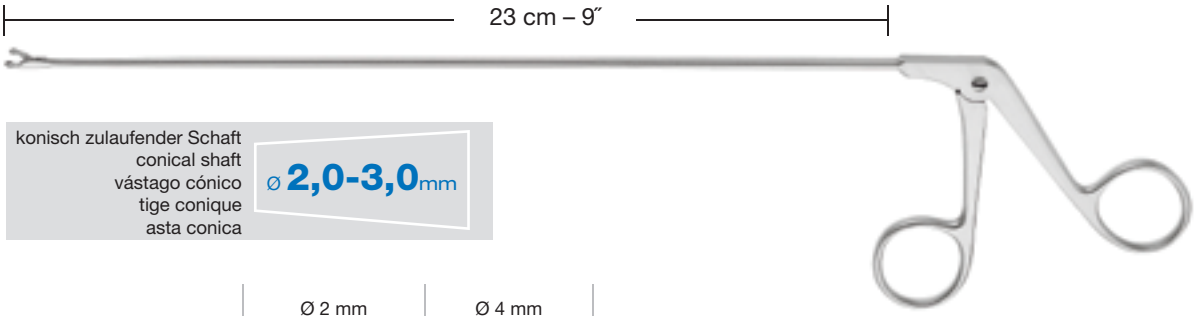
aufgewinkelt
angled upwards
angulada hacia arriba
coudé en haut
angolata verso l'alto

horizontal öffnend
horizontal opening
apertura horizontal
ouverture horizontale
apertura orizzontale



Schaft Shaft Vástago Tige Asta	ø 1,5 mm	ø 1,5 mm	ø 2,0 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	

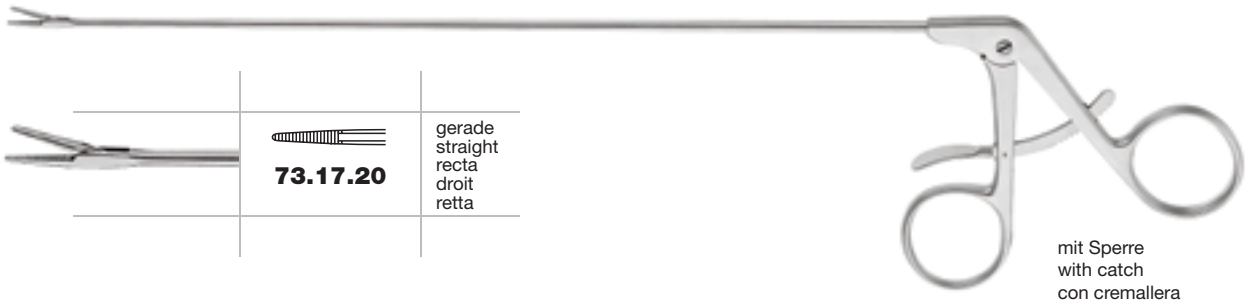


konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

ø **2,0-3,0**mm

	Ø 2 mm	Ø 4 mm	
	73.17.01	**73.17.10**	gerade straight recta droit retta
	73.17.02	**73.17.11**	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto
	73.17.03	**73.17.12**	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.17.04	**73.17.13**	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	73.17.05		rechts aufgebogen curved right upwards curva derecha hacia arriba courbé à droite en haut curva destro verso l'alto
	73.17.06		links aufgebogen curved left upwards curva izquierda hacia arriba courbé à gauche en haut curva sinistro verso l'alto
	73.17.07		rechts gebogen, horizontal öffnend curved right, horizontal opening curva derecha, apertura horizontal courbé à droite, ouverture horizontale curva a destro, apertura orizzontale
	73.17.08		links gebogen, horizontal öffnend curved left, horizontal opening curva izquierda, apertura horizontal courbées à gauche, ouverture horizontale curva a sinistro, apertura orizzontale
		73.17.09	gerade straight recta droit retta
		73.17.16	aufgewinkelt angled upwards angulada hacia arriba coudées en haut angolata verso l'alto
		73.17.17	aufgebogen, rechts öffnend curved upwards, right opening curva hacia arriba, apertura derecha courbées en haut, ouverture à droite curva verso l'alto, apertura destro
		73.17.18	aufgebogen, links öffnend curved upwards, left opening curva hacia arriba, apertura izquierda courbées en haut, ouverture à gauche curva verso l'alto, apertura sinistra

23 cm – 9″

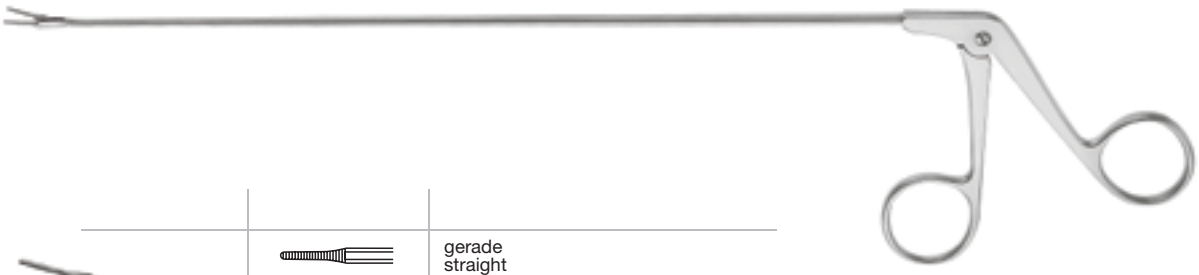


	73.17.20	gerade straight recta droit retta

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

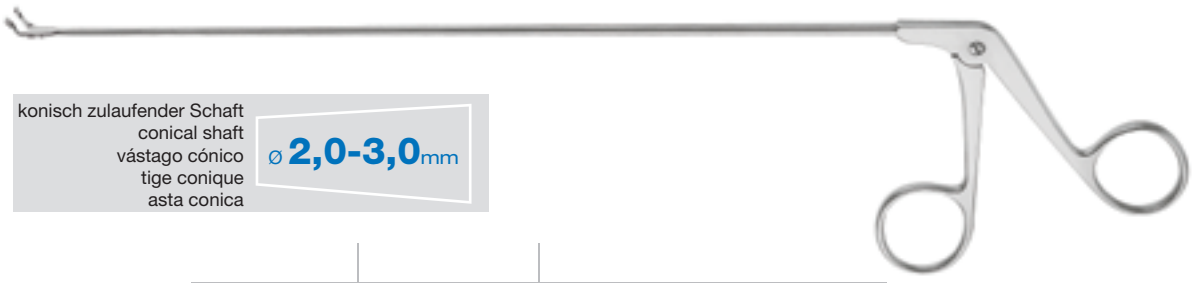
konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica
ø **2,0-3,0** mm

23 cm – 9″



	73.17.21	gerade straight recta droit retta
	73.17.24	gerade, horizontal öffnend straight, horizontal opening recta, apertura horizontal droit, ouverture horizontale retta, apertura orizzontale
	73.17.22	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.17.23	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	73.17.25	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto
	73.17.26	aufgebogen, horizontal öffnend curved upwards, horizontal opening curva hacia arriba, apertura horizontal courbé en haut, ouverture horizontale curva verso l'alto, 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 hacia arriba, apertura derecha courbé en haut, ouverture à droite curva verso l'alto, apertura destra
	73.17.28	aufgebogen, links öffnend curved upwards, left opening curva hacia arriba, apertura izquierda courbé en haut, ouverture à gauche curva verso l'alto, apertura sinistrae
	73.17.29	gerade straight recta droit retta
	73.17.30	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto

Stimmbandhaltezangen
Vocal cord holding forceps
Pinzas para agarrar cuerdas vocales
Pinces à fixer les cordes vocales
Pinze per tenere le corde vocali

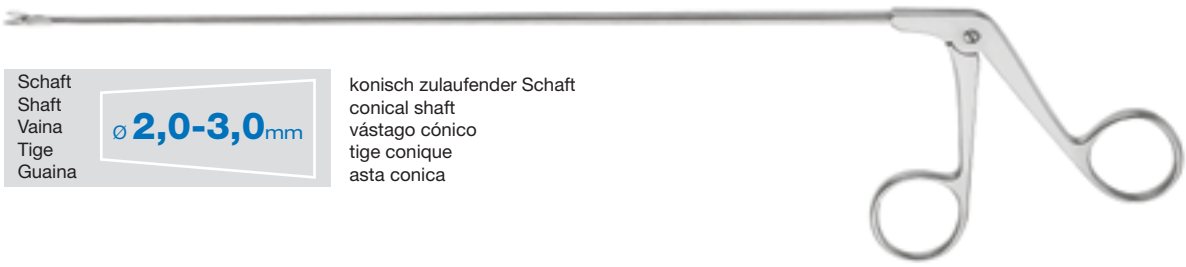
23 cm – 9″

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 courbé à droite curva a destro
	73.17.32	links gebogen curved left curva izquierda courbé à gauche curva a 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 droit, à coupe horizontale retta, taglio orizzontale
	73.17.35	gerade straight recta droit retta
	45° **73.17.36**	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto
	15° **73.17.37**	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto
	73.17.38	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.17.33	links gebogen curved left curva izquierda courbé à gauche curva a sinistro

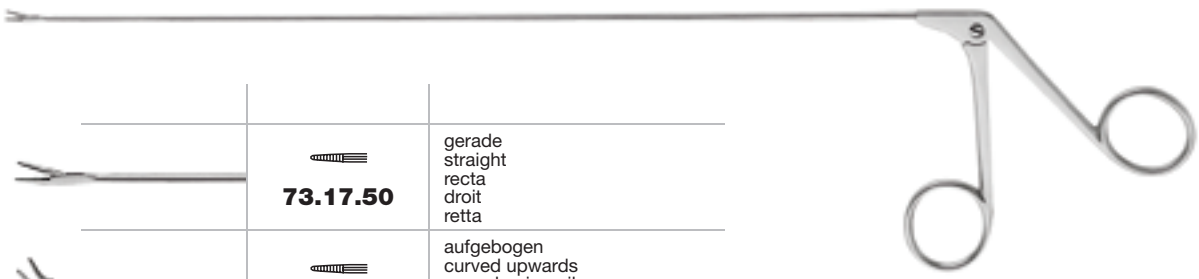
23 cm – 9″

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 droit retta
	73.17.41	aufgebogen curved upwards curva hacia arriba courbé en haut curva verso l'alto
	73.17.42	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.17.43	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	73.17.44	aufgebogen, 45° rechts curved upwards, 45° right curva hacia arriba, 45° derecha courbé en haut, 45° à droite curva verso l'alto, 45° destro
	73.17.45	aufgebogen, 45° links curved upwards, 45° left curva hacia arriba, 45° izquierda courbé en haut, 45° à gauche curva verso l'alto, 45° sinistro

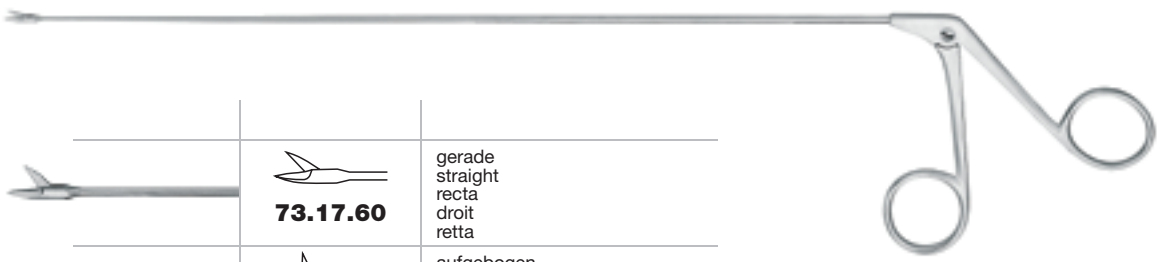
23 cm – 9″



73.17.50	gerade straight recta droit retta
73.17.51	aufgebogen curved upwards curva hacia arriba courbé en haut curva verso l'alto
73.17.52	rechts gebogen curved right curva derecha courbé à droite curva a destro
73.17.53	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
73.17.54	aufgebogen, 45° rechts curved upwards, 45° right curva hacia arriba, 45° derecha courbé en haut, 45° à droite curva verso l'alto, 45° destro
73.17.55	aufgebogen, 45° links curved upwards, 45° left curva hacia arriba, 45° izquierda courbé en haut, 45° à gauche curva verso l'alto, 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 droit retta
73.17.61 45°	aufgebogen curved upwards curva hacia arriba courbé en haut curva verso l'alto
73.17.62	rechts gebogen curved right curva derecha courbé à droite curva a destro
73.17.63	links gebogen curved left curva izquierda courbé à gauche curva a sinistro

23 cm – 9″

10°

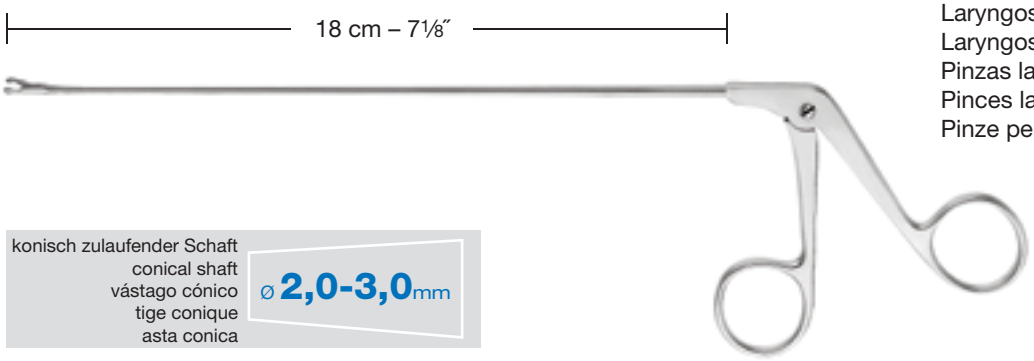
konisch zulaufender Schaft
conical shaft
vástago cónico
tige conique
asta conica

ø **2,0-3,0** mm

	Ø 2 mm	
	73.17.70	gerade straight recta droit retta
	73.17.71	aufgebogen curved upwards curva hacia arriba courbé en haut curva verso l'alto
	73.17.72	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.17.73	links gebogen curved left curva izquierda courbé à gauche curva a sinistro

	73.17.74	gerade straight recta droit retta
	45° **73.17.75**	aufgebogen curved upwards curva hacia arriba courbé en haut curva verso l'alto
	73.17.76	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.17.77	links gebogen curved left curva izquierda courbé à gauche curva a sinistro

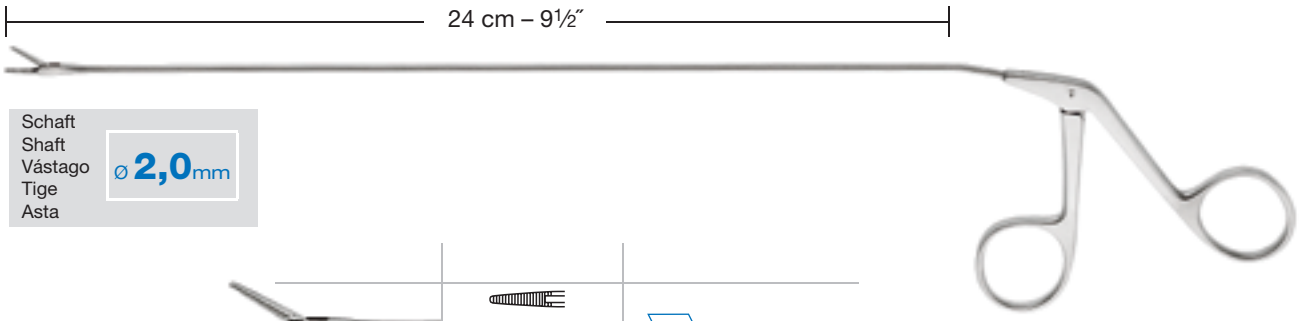
Laryngoskopiezangen für Kinder
Laryngoscopy forceps for children
Pinzas laringoscopicas para niños
Pinces laryngoscopiques pour enfants
Pinze per laryngoscopia per bambini



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 droit retta
	73.18.05	**73.18.01**	**73.18.03**	aufgebogen curved upwards curva hacia arriba courbé en haut curva verso l'alto

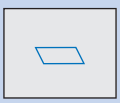
	73.18.07	gerade straight recta droit retta
	45° **73.18.08**	aufgebogen curved upwards curva hacia arriba courbé en haut curva verso l'alto
	73.18.09	rechts gebogen curva derecha curved right courbé à droite curva a destro
	73.18.10	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	Ø 4 mm **73.18.11**	horizontal öffnend horizontal opening apertura horizontal ouverture horizontale apertura orizzontale
	73.18.06	gerade straight recta droit retta



Schaft
Shaft
Vástago
Tige
Asta
ø **2,0**mm

	73.30.00	
	73.30.02	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.30.03	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	73.30.10	
	73.30.11	
	73.30.12	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.30.13	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	73.30.20	
	73.30.21	
	73.30.22	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.30.23	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	73.30.25	
	73.30.65	Maulteile gefenstert jaw fenestrated boca fenestrada mors fenêtré morso finestrato

medicon Instrumente
the art of surgery


gerade
straight
recta
droit
retta

aufgewinkelt
angled upwards
angulada hacia arriba
coudé en haut
angolata verso l'alto

24 cm – 9½″

Schaft
Shaft
Vástago
Tige
Asta

ø **2,0**mm

	73.30.40	gerade straight recta droit retta
	73.30.41	aufgewinkelt angled upwards angulada hacia arriba coudé en haut angolata verso l'alto
	73.30.42	rechts gebogen curved right curva derecha courbé à droite curva a destro
	73.30.43	links gebogen curved left curva izquierda courbé à gauche curva a sinistro
	73.30.44	abgewinkelt angled downwards angulada hacia abajo coudé en bas angolata verso il basso
	73.30.45	gerade, horizontal schneidend straight, horizontal cutting recta, corte horizontal droit, 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

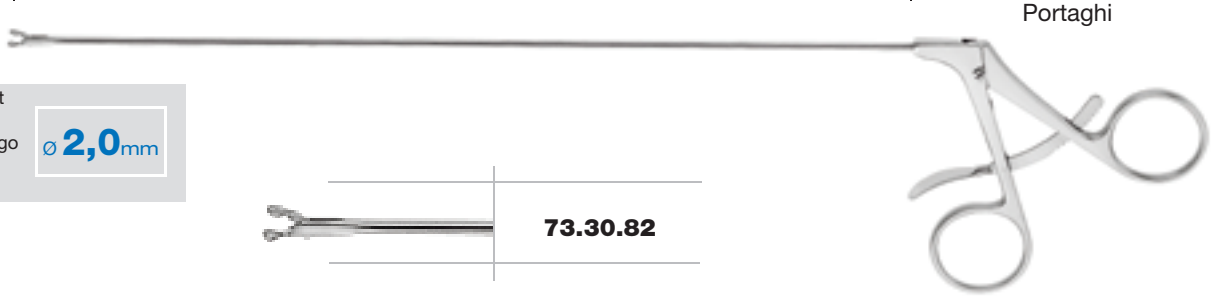
ø **2,0-3,0**mm

	73.30.80	

Nadelhalter
Needle holder
Porta-aguja
Porte-aiguille
Portaghi

23 cm – 9″

Schaft
Shaft
Vástago
Tige
Asta
ø **2,0**mm

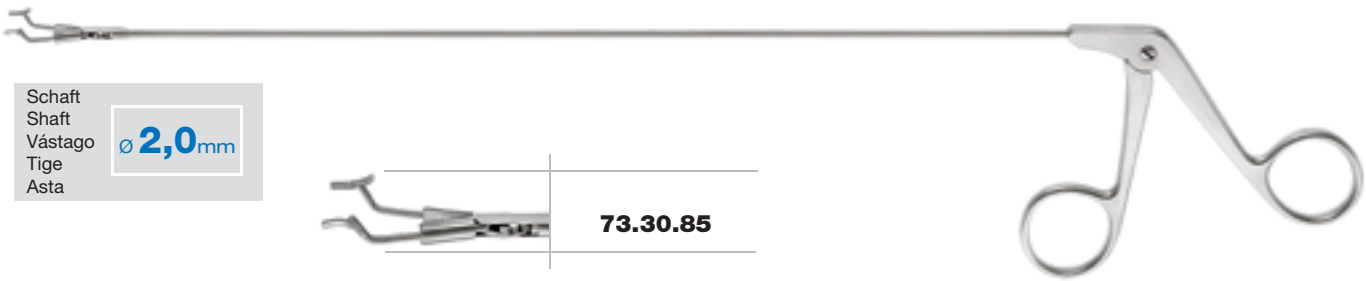


73.30.82

Stimmbandspreizer
Vocal cord retractor
Separador cuerdas vocals
Ecarteur cordes vocales
Divaricatore per corde vocali

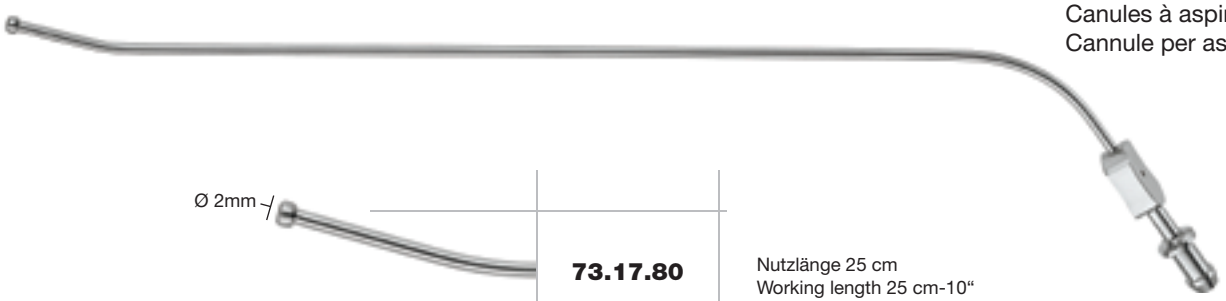
27 cm – 10¾″

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

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 — **WOLF**
Portadores de luz con adaptador — **ACMI**
Supports de lumière avec adaptateur
Conduttore d'illuminazione con conessione

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**

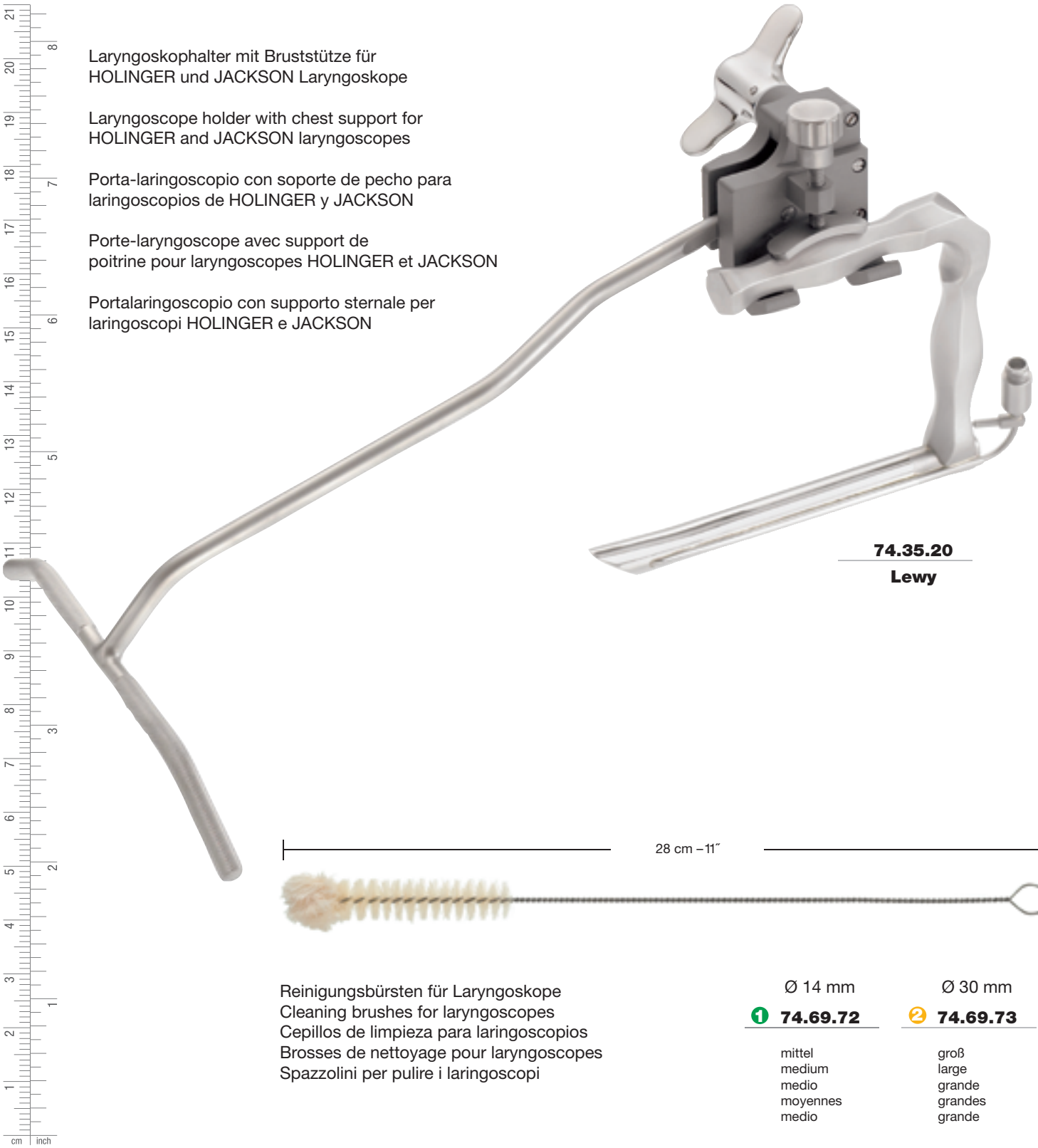
Laryngoskophalter mit Brusttstütze für
HOLINGER und JACKSON Laryngoskope

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**
Conduttore d'illuminazione con conessione

B

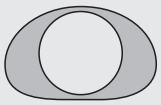
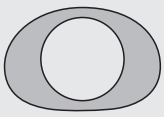
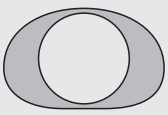
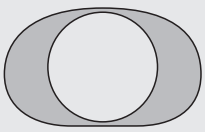
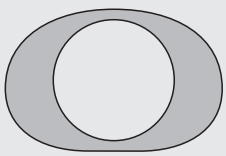
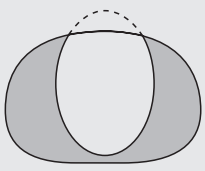
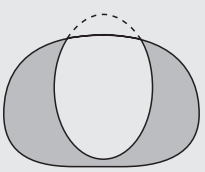
spreizbar
spreadable
para separar
à écarter
divaricabile

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 74.00.01**	**#1 74.00.31**	135	20	12	11	**74.01.03**
	**#2 74.00.02**	**#2 74.00.32**	152	21	13	11	**74.01.03**
	**#3 74.00.03**	**#3 74.00.33**	182	21	13	12	**74.01.04**
	**#4 74.00.04**	**#4 74.00.34**	172	27	15	14,5	**74.01.04**
	**#5 74.00.05**	**#5 74.00.35**	172	29	19	16	**74.01.04**
	**#6 74.00.06**	**#6 74.00.36**	182	26	17	13 × 19	**74.01.04**
	**#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 472
see cleaning brushes, page 472
véase cepillos de limpieza, página 472
voir brosses de nettoyage page 472
vedete spazzolini per pulire pagina 472

Zubehör Seite 475
Accessories page 475
Accesorios página 475
Accessoires page 475
Accessori pagina 475

Medicon Instrumente
the art of surgery

Luer-Lock

74.01.06

Rauchabsaugrohr
Smoke suction tube
Tubo extractor de humo
Tube d'aspiration pour fumée
Tubo d'aspirazione per fumo

für, for, para, pour, per
74.00.01 –.07 + 74.00.31 – .37

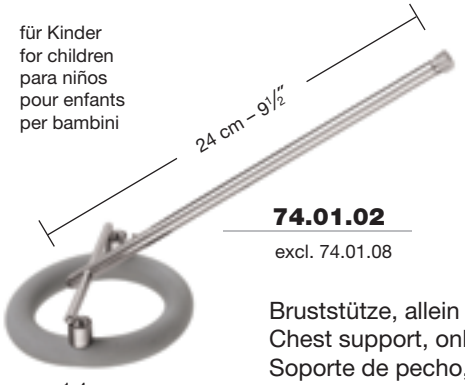
Luer-Lock

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

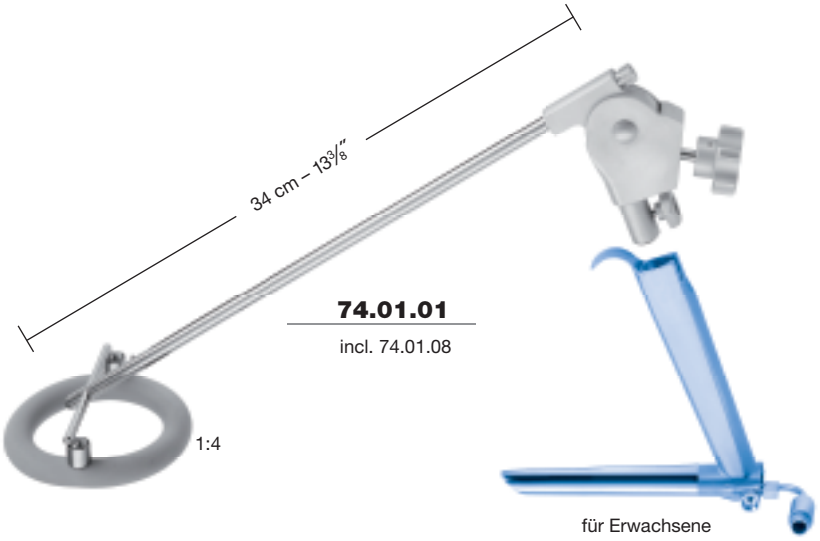
für, for, para, pour, per
74.00.01 –.07 + 74.00.31 – .37

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

24 cm – 9½″

74.47.10

Sichelmesser
Sickle knife
Bisturí falciforme
Bistouri en forme de serpette
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 rotondo

24 cm – 9½″

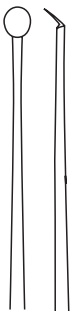
74.47.13

Messer Golfstockform
Knife golf club design
Cuchillo en forma de palo de golf
Couteau à forme de club
Coltello a forma di mazza da golf

24 cm – 9½″

74.47.14

Rundmesser
Round edge knife
Cuchillo redondo
Bistouri à tranchant rond
Bisturi rotondo



24 cm – 9½″

74.47.15

Rundmesser
Round edge knife
Cuchillo redondo
Bistouri à tranchant rond
Bisturi rotondo

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″

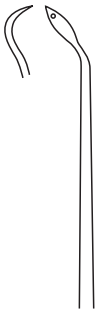
74.47.25

Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe

24 cm – 9½″

74.47.27

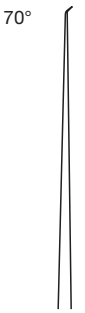
Umstechungsnadel rechts gebogen
Needle curved right
Aguja curva derecha
Aiguille courbée à droite
Ago curva a destra



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″

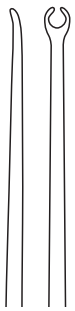
74.47.35

Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe

24 cm – 9½″

74.47.40

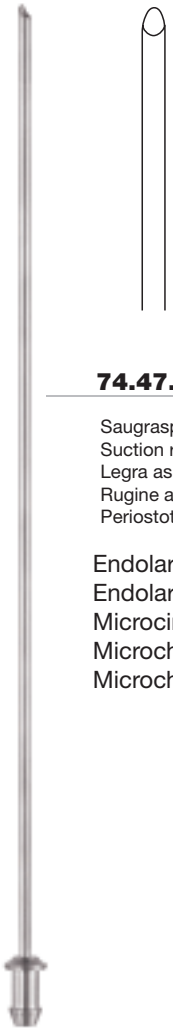
Elevatorium
Elevator
Elevador
Elévateur
Elevatore



24 cm – 9½″

74.47.42

Knotenführer
Knot guide
Traslador de nudos
Guide-nœuds
Guida-nodi

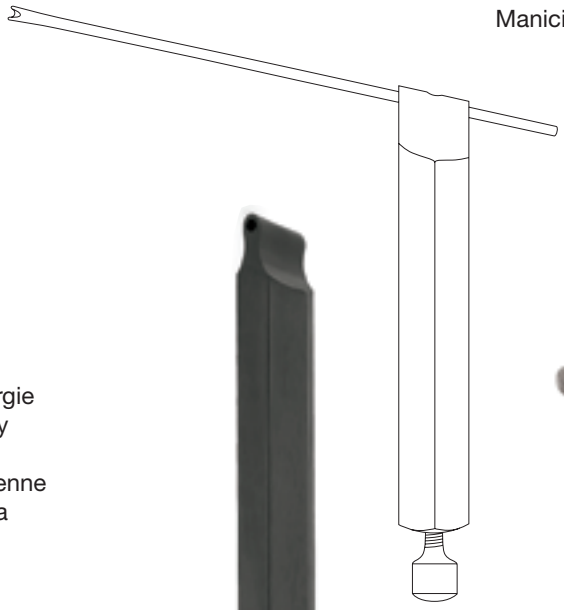


74.47.37

Saugraspatorium
Suction raspatory
Legra aspiradora
Rugine aspirateur
Periostotomo d'aspirazione

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 strumenti



63.15.39

74.47.90

Heermann

Endolaryngeale Mikrochirurgie
Endolaryngeal microsurgery
Microcirugía endolaringeal
Microchirurgie endolaryngienne
Microchirurgia endolaringea

Jako

31 cm – 12⅛″

74.45.10

Sichelmesser
Sickle knife
Bisturí falciforme
Bistouri en forme de serpette
Bisturi a falce

31 cm – 12⅛″

74.45.11

Larynxmesser
Laryngeal knife
Bisturí laringeal
Bistouri laryngien
Bisturi per laringe

31 cm – 12⅛″

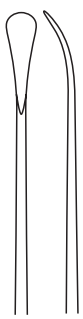
74.45.20

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 en forme de serpette
Bisturi a falce

Jako

24 cm – 9½″

74.46.21

Larynxhaken
Laryngeal hook
Gancho laringeal
Crochet laryngien
Uncino per laringe

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

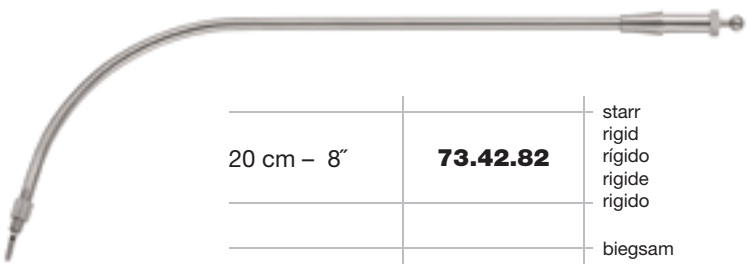
Verlängerungsrohre
Prolongation tubes
Tubos de alargamiento
Tubes de rallonge
Tubi di prolungamento

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

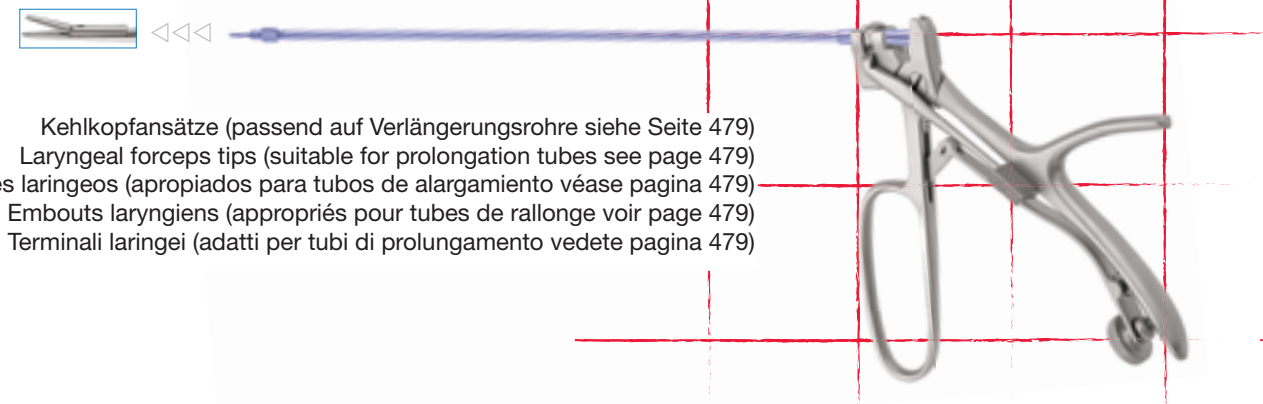
20 cm – 8″	**73.42.20**	starr rigid rígido rigide rigido
30 cm – 11¾″	**73.42.30**	
40 cm – 15¾″	**73.42.40**	
50 cm – 19¾″	**73.42.50**	
60 cm – 23¾″	**73.42.60**	

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 479)
Laryngeal forceps tips (suitable for prolongation tubes see page 479)
Terminales laringeos (apropiados para tubos de alargamiento véase pagina 479)
Embouts laryngiens (appropriés pour tubes de rallonge voir page 479)
Terminali laringei (adatti per tubi di prolungamento vedete pagina 479)

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 479)
Laryngeal forceps tips (suitable for prolongation tubes see page 479)
Terminales laringeos (apropiados para tubos de alargamiento véase pagina 479)
Embouts laryngiens (appropriés pour tubes de rallonge voir page 479)
Terminali laringei (adatti per tubi di prolungamento vedete pagina 479)

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)**

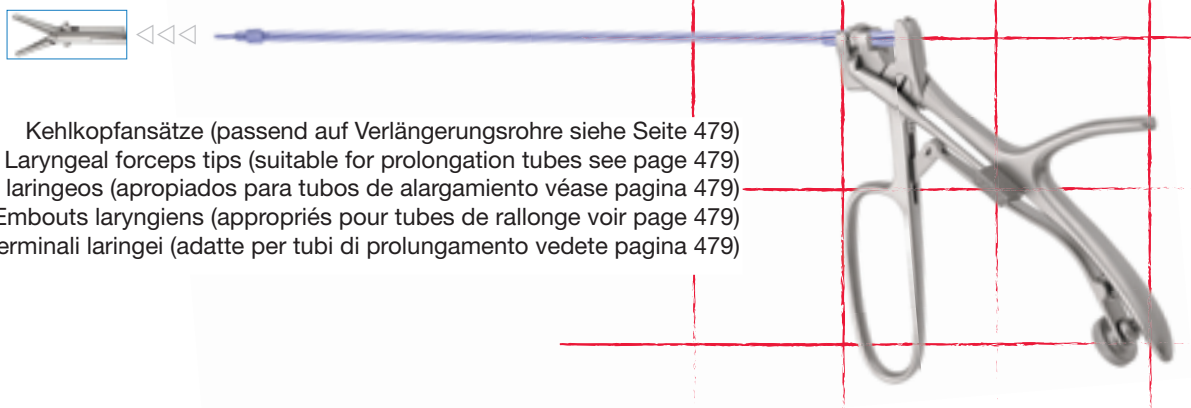
5 mm
73.43.70 **Cordes**

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 479)
Laryngeal forceps tips (suitable for prolongation tubes see page 479)
Terminales laringeos (apropiados para tubos de alargamiento véase pagina 479)
Embouts laryngiens (appropriés pour tubes de rallonge voir page 479)
Terminali laringei (adatte per tubi di prolungamento vedete pagina 479)

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**

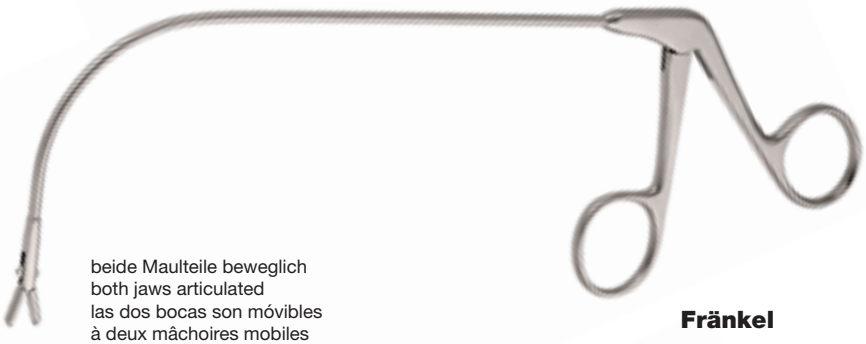
17 cm - 6¾″

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″



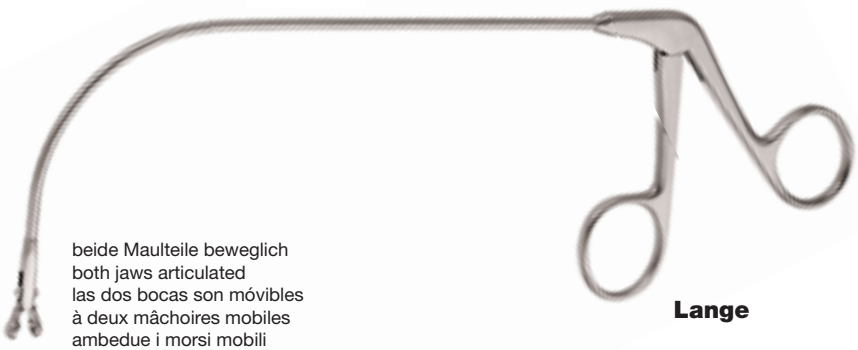
beide Maulteile beweglich
both jaws articulated
las dos bocas son móviles
à deux mâchoires mobiles
ambedue i morsi mobili

Fränkel

73.46.15

Schaft
Shaft
Vástago
Tige
Asta
ø **3,0**mm

17 cm - 6¾″

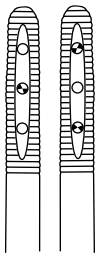


beide Maulteile beweglich
both jaws articulated
las dos bocas son móviles
à deux mâchoires mobiles
ambedue i morsi mobili

Lange

73.46.16

Schaft
Shaft
Vástago
Tige
Asta
ø **3,0**mm

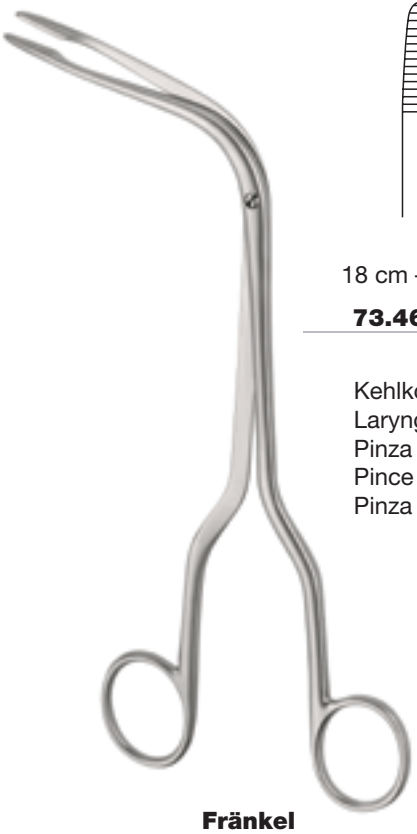


27 cm – 10 ¾″

73.46.57

Kehlkopfpinzette
Laryngeal forceps
Pinza laringeal
Pince laryngienne
Pinza laringea

Jackson

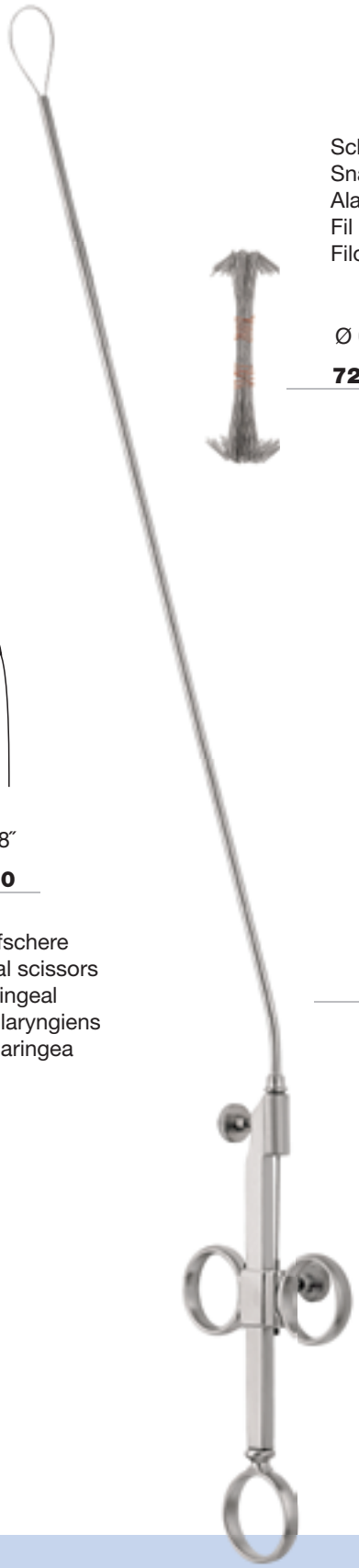


18 cm – 7⅛″

73.46.18

Kehlkopf-Polypenzange
Laryngeal polypus forceps
Pinza para pólipos laringeales
Pince pour polypes laryngiens
Pinza per polipi laringei

Fränkel



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 P 100

Killian

20 cm – 8″

73.46.60

Kehlkopfschere
Laryngeal scissors
Tijera laringeal
Ciseaux laryngiens
Forbice laringea

73.46.70

Nutzlänge 24 cm
Working length 24 cm – 9½″
Largo útil 24 cm
Longueur utile 24 cm
Lunghezza utile 24 cm

P x Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" 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

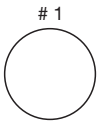
11 cm – 4⅜″
73.47.50

mit Stellschraube
with adjusting screw
con tornillo de ajuste
avec vis de fixation
con vite di fissazione

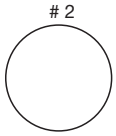
000
Ø 6 mm
73.47.06 P 5

00
Ø 8 mm
73.47.08 P 5

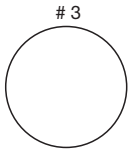
0
Ø 10 mm
73.47.10 P 5



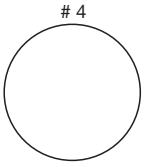
1
Ø 12 mm
73.47.12 P 5



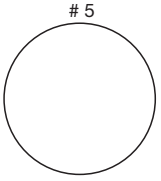
2
Ø 14 mm
73.47.14 P 5



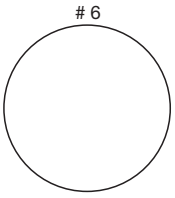
3
Ø 16 mm
73.47.16 P 5



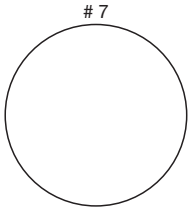
4
Ø 18 mm
73.47.18 P 5



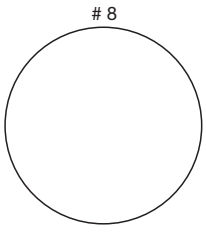
5
Ø 20 mm
73.47.20 P 5



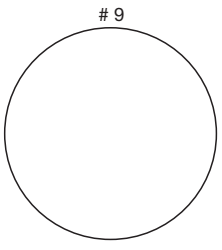
6
Ø 22 mm
73.47.22 P 5



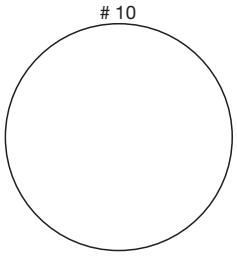
7
Ø 24 mm
73.47.24 P 5



8
Ø 26 mm
73.47.26 P 5



9
Ø 28 mm
73.47.28 P 5



10
Ø 30 mm
73.47.30 P 5

Verpackungseinheit “X” Stück
Packing unit “X” pieces
Paquete de “X” unidades
Emballage de “X” pièces
Confezione da “X” pezzi

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

10
Ø 30 mm
73.48.30

Michel

Rhinoskopiespiegel, beweglich
Rhinoscopic mirrors, movable
Espejos rinoscópicos, movible
Miroirs pour rhinoscopie, mobiles
Specchi per rinoscopia, mobile

Ø 12 mm
73.48.92

Ø 14 mm
73.48.94

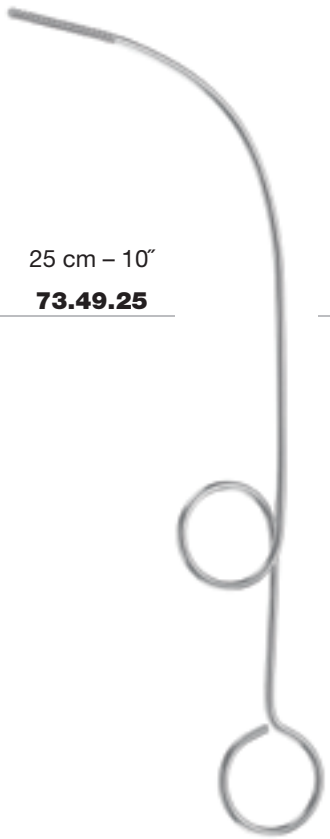
Ø 16 mm
73.48.96

Ø 18 mm
73.48.98

25 cm – 10″

73.49.25

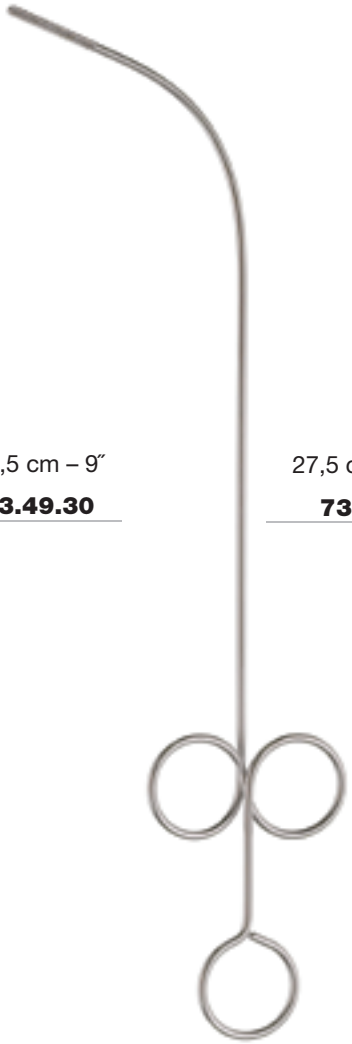
Killian



22,5 cm – 9″

73.49.30

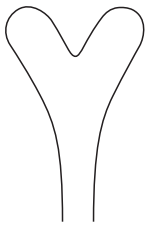
Pelteson



27,5 cm – 10¾″

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

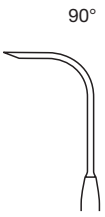
Ersatzzylinder
Spare barrels
Cilindros de repuesto
Cylindres de rechange
Cilindri di ricambio

5 ml
09.78.43

10 ml
09.78.44

27 cm – 10¾″
73.49.75

27,5 cm – 10¾″
73.49.77



26,5 cm – 10½″
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

Visioflex

- 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 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

gerieft
serrated
estriada
strié
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, dentellata

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 dentellata

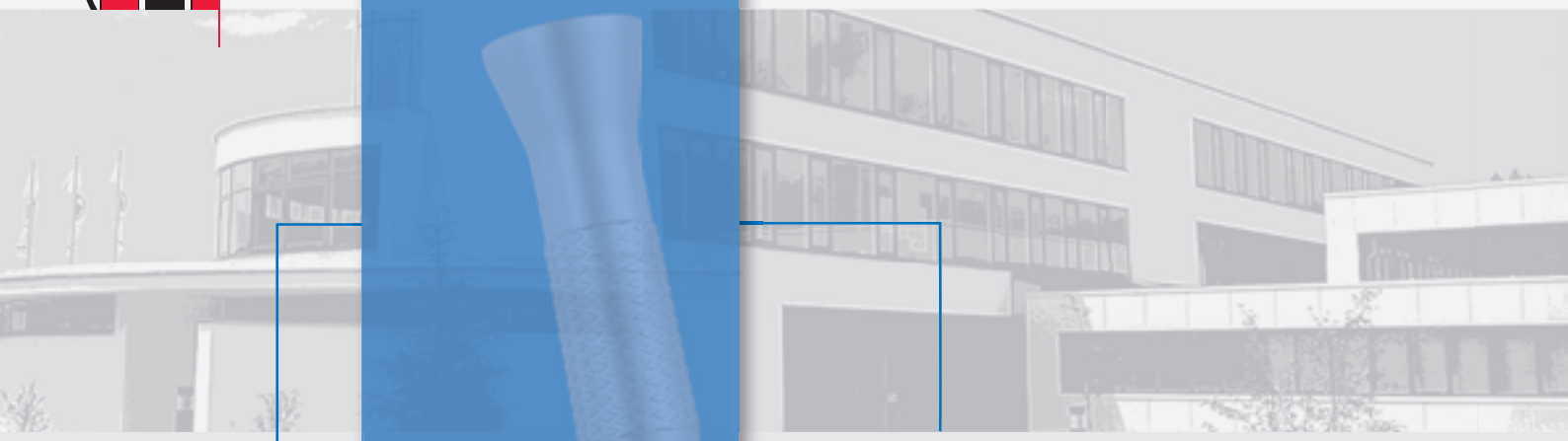
Ø 2,3 mm
90 cm – 35½″ **74.88.07**
120 cm – 47¼″ **74.88.27**
150 cm – 59″ **74.88.57**
180 cm – 71″ **74.88.87**
230 cm – 90½″ **74.88.97**

4:1

Visioflex

Advertisement

the art of surgery



Beachten Sie auch unseren Sonderprospekt “Servotronic II Mikromotoren-System”

Please also pay attention to our spezial brochure “Servotronic II Micromotor System”

Observe nuestro folleto especializado “Servotronic II Sistema de micromotor”

Vous pouvez également consulter notre prospectus “Servotronic II Système de micromoteur”

Consultate anche il nostro depliant speciale “Servotronic II Sistema micromotore”

F
Tracheotomie, Strumektomie
Tracheotomy, Thyroidectomy
Traqueotomía, Estrumectomía
Trachéotomie, Thyroïdectomie
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

Silber
Sterling silver
plata pura
argent
argento

Luer

73.50.54	Fig. 0	Ø 4 mm
73.50.55	Fig. 1	Ø 5 mm
73.50.56	Fig. 2	Ø 6 mm
73.50.57	Fig. 3	Ø 7 mm
73.50.58	Fig. 4	Ø 8 mm
73.50.59	Fig. 5	Ø 9 mm
73.50.60	Fig. 6	Ø 10 mm
73.50.61	Fig. 7	Ø 11 mm
73.50.62	Fig. 8	Ø 12 mm
73.50.63	Fig. 9	Ø 13 mm

Chevalier-Jackson

Silber
Sterling silver
plata pura
argent
argento

73.57.54	Fig. 0	Ø 4 mm
73.57.55	Fig. 1	Ø 5 mm
73.57.56	Fig. 2	Ø 6 mm
73.57.57	Fig. 3	Ø 7 mm
73.57.58	Fig. 4	Ø 8 mm
73.57.59	Fig. 5	Ø 9 mm
73.57.60	Fig. 6	Ø 10 mm
73.57.61	Fig. 7	Ø 11 mm
73.57.62	Fig. 8	Ø 12 mm
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 hooks
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

14,5 cm – 5¾″

73.65.64

Jackson

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 da:

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, Silber LUER Tracheal tube, fig. 2 – Ø 6 mm, sterling silver LUER Cánula traqueal, fig. 2 – Ø 6 mm, plata pura LUER Canule trachéale, fig. 2 – Ø 6 mm, argent LUER Cannula tracheale, fig. 2 – Ø 6 mm, argento		73.50.56
1	LUER Trachealkanüle, Fig. 4 – Ø 8 mm, Silber LUER Tracheal tube, fig. 4 – Ø 8 mm, sterling silver, LUER Cánula traqueal, fig. 4 – Ø 8 mm, plata pura LUER Canule trachéale, fig. 4 – Ø 8 mm, argent LUER Cannula tracheale, fig. 4 – Ø 8 mm, argento		73.50.58

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 – 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, 14,5 cm Grooved director, 14,5 cm – 5 3/4″ Sonda acanalada, 14,5 cm Sonde boutonnée, 14,5 cm Sonda scanalata, 14,5 cm	09.15.14
1	Reinigungsbürste Cleaning brush Cepillo para limpiar Brosse de nettoyage Spazzolino per pulire	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

1:4

73.69.50

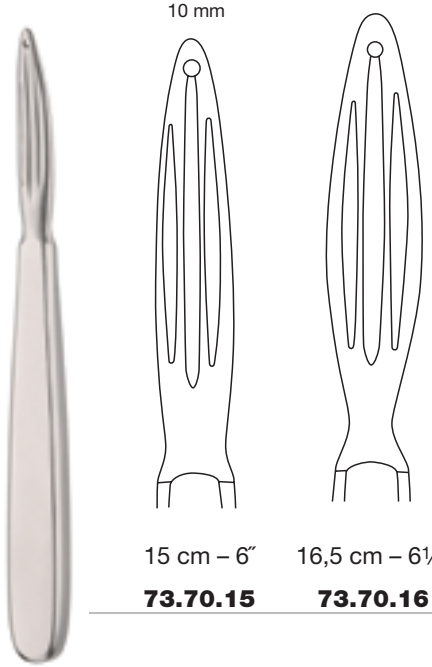
Tracheotomiebesteck II, bestehend aus:
Tracheotomy set no. II, consisting of:
Estuche para traqueotomía no. II, compuesto de:
Trousse pour trachéotomie no. II, se composant de:
Astuccio per tracheotomia no. II, composto di:

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, Silber LUER Tracheal tube, fig. 2 – Ø 6 mm, Sterling silver LUER Cánula traqueal, fig. 2 – Ø 6 mm, plata pura LUER Canule trachéale, fig. 2 – Ø 6 mm, argent LUER Cannula tracheale, fig. 2 – Ø 6 mm, argento	73.50.56

1	LUER Trachealkanüle, Fig. 4 – Ø 8 mm, Silber LUER Tracheal tube, fig. 4 – Ø 8 mm, Sterling silver LUER cánula traqueal, fig. 4 – Ø 8 mm, plata pura LUER Canule trachéale, fig. 4 – Ø 8 mm, argent LUER Cannula tracheale, fig. 4 – Ø 8 mm, argento	73.50.58

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
Pinza da presa per gozzo

15 cm – 6″ **73.72.32**

Lovelace

15 cm – 6″ **73.72.33**

Lahey

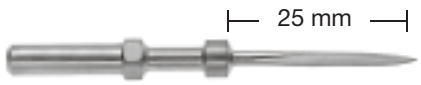
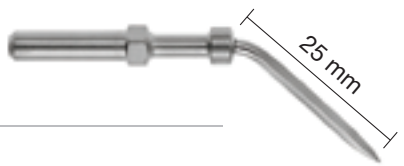
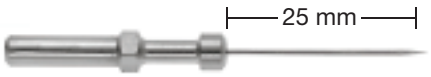
Hochfrequenz-Chirurgie
High Frequency Surgery
Cirugía de alta frecuencia
Chirurgie à haute fréquence
Chirurgia ad alta frequenza
G
the art of surgery

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

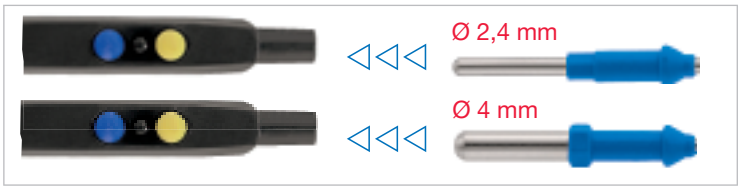
	Erbe ACC	Valleylab Martin Erbe ICC International
Ø 5 mm		3 m **87.33.71**
Ø 4 mm	4,5 m **87.33.70**	4,5 m **87.33.72**
Ø 2,4 mm	4,5 m **87.33.75**	4,5 m **87.33.77**

Dental-Elektrodenhandgriffe mit fest verbundenem Kabel
Dental electrode handles with fixed cable
Mangos porta electrodos dentales con cable fijo
Manches pour électrodes dentaires 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**	Ø 5 mm Ø 10 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 2,5 mm Ø 4 mm Ø 6 mm	
Lanzettenelektrode Lancet electrode Electrodo de lanceta Electrodes à lancette Elettrodo a lancetta	**87.30.12**		
Lanzettenelektrode Lancet electrode Electrodo de lanceta Electrodes 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	

Abbildungen 1:1
Illustrations 1:1
Ilustraciones 1:1
Illustrations 1:1
Illustrazioni 1:1



	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**	
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 Electrodes 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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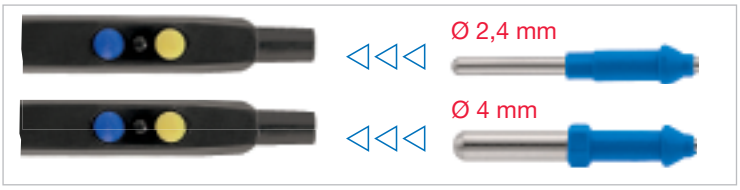
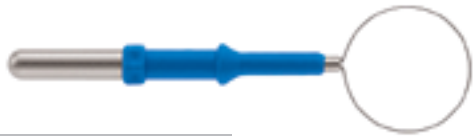
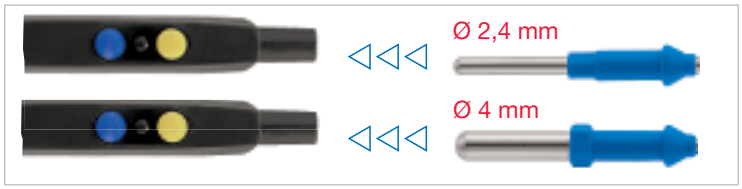
Illustrations 1:1
Ilustraciones 1:1
Illustrations 1:1
Illustrazioni 1:1



	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**	

Abbildungen 1:1
Illustrations 1:1
Ilustraciones 1:1
Illustrations 1:1
Illustrazioni 1:1



	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 Electrodes à boule Elettrodo a sfera	Ø 1,5 mm **87.32.36**		
Kugelelektrode Ball electrode Electrodo de bola Electrodes à boule Elettrodo a sfera	Ø 1,5 mm **87.32.38**		

Nadelelektrode
Needle electrode
Electrodo de aguja
Electrode à aiguille
Elettrodo ad ago

Ø 4 mm
87.30.39

Abbildungen 1:1
Illustrations 1:1
Ilustraciones 1:1
Illustrations 1:1
Illustrazioni 1:1

für Elektroden
for electrodes
para eletrodos
pour électrodes
per elettrodi

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

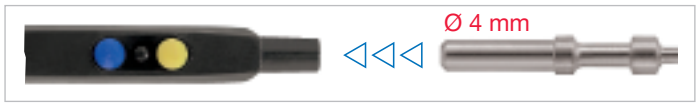
Ø 2,4 mm

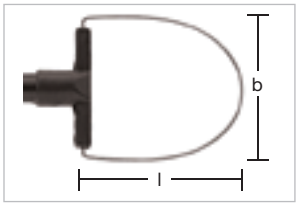
Ø 2,4 mm

10 cm – 4″

87.33.53

Abbildungen 1:1
Illustrations 1:1
Ilustraciones 1:1
Illustrations 1:1
Illustrazioni 1:1



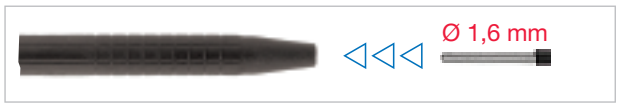


	l × b	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	20 × 20 mm **87.34.00**	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	15 × 20 mm **87.34.01**	
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

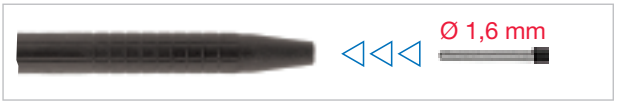
Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	**87.34.15**	
Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	**87.34.16**	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil 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

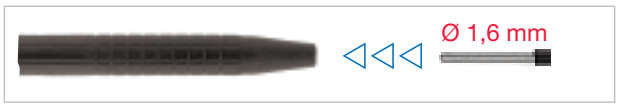


Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	Ø 0,2 mm **87.31.32**	# 1	
Nadelelektrode Needle electrode Electrodo de aguja Electrode à aiguille Elettrodo ad ago	Ø 0,2 mm **87.31.37**	# 2	
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre 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, rhomboïdale Elettrodo ad ansa di filo, romboidale	**87.31.54**	# 14	

Abbildungen 1:1
Illustrations 1:1
Ilustraciones 1:1
Illustrations 1:1
Illustrazioni 1:1

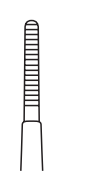


Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	7 × 1,5 mm **87.31.56**	# 15	45°
Drahtschlingenelektrode Wire loop electrode Electrodo de lazo de alambre Electrode à anse en fil Elettrodo ad ansa di filo	6 × 1,3 mm **87.31.57**	# 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	



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	45°
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 1,7 mm **87.31.71**	# 33	45°
Kugelelektrode Ball electrode Electrodo de bola Electrode à boule Elettrodo a sfera	Ø 3 mm **87.31.73**	# 34	45°
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 l'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″

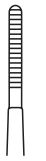
87.06.18

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″

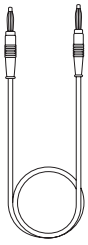
87.06.68

Isomed

18 cm – 7⅛″

87.06.69

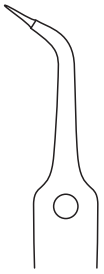
Isomed



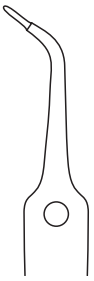
passendes Anschlusskabel Nr. 87.30.96 (siehe Seite 523)
suitable connecting cable No. 87.30.96 (see page 523)
cable de conexión apropiado No. 87.30.96 (vean pagina 523)
câble de raccordement approprié No. 87.30.96 (voir page 523)
cavo di collegamento appropriato No. 87.30.96 (vedi pagina 523)

11 cm – 4⅜″
88.12.05

11 cm – 4⅜″
88.12.06

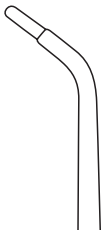


11 cm – 4⅜″
88.12.07



11 cm – 4⅜″
88.12.08

16,5 cm – 6½″
88.17.16

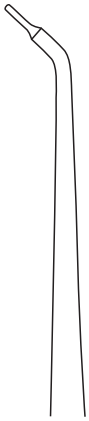


16,5 cm – 6½″
88.17.18

16,5 cm – 6½″
88.17.05

16,5 cm – 6½″
88.17.06

16,5 cm – 6½″
88.17.07



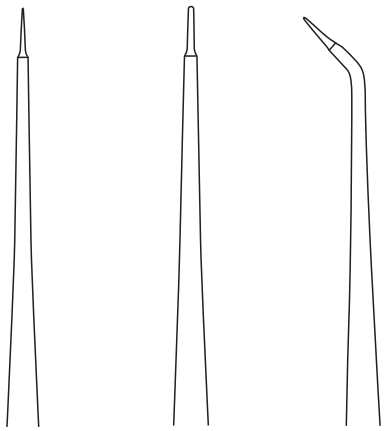
16,5 cm – 6½″
88.17.08

16,5 cm – 6½″
88.17.25

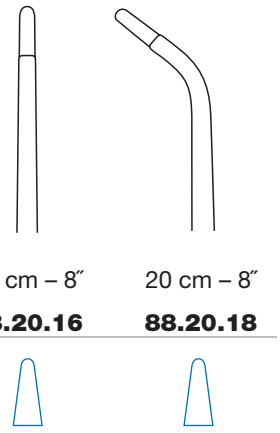
16,5 cm – 6½″
88.17.26

spitz
sharp
aguda
pointu
acuta

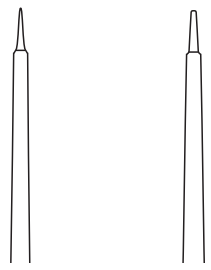
stumpf
blunt
roma
mousse
smussa



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**

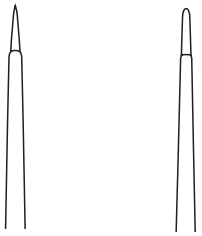


20 cm – 8″	20 cm – 8″
88.20.25	**88.20.26**

Medicon Instrumente
the art of surgery

spitz
sharp
aguda
pointu
acuta

stumpf
blunt
roma
mousse
smussa

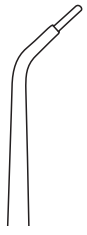


16,5 cm – 6½″ | 16,5 cm – 6½″

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
pointu
acuta

stumpf
blunt
roma
mousse
smussa

Bipolare Antihaft-Pinzetten
Bipolar Non-sticking Forceps
Pinzas bipolares no adherentes
Pinces bipolaires anti-adhésives
Pinze bipolari antiaderenti

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

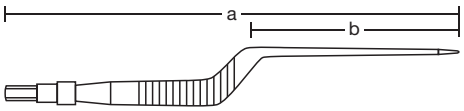
- Kein Anhaften von Biogewebe
- Schnelle Wärme- und Stromableitung
- Einfache Reinigung

- No adhesion of biological tissue
- Quick discharge of heat and current
- Easy to clean

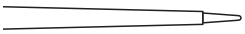
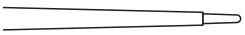
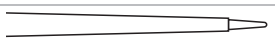
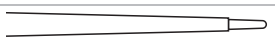
- Ninguna adherencia del tejido
- Derivación rápida del calor y corriente
- Mantenimiento fácil

- Les tissus ne restent pas collés à la pince
- Conductivité rapide et sûre de la chaleur et de l'électricité
- Entretien facile

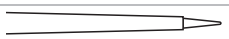
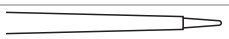
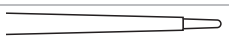
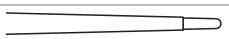
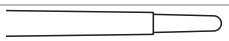
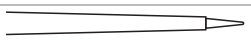
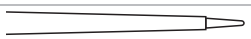
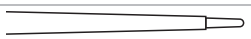
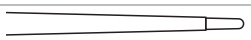
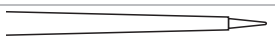
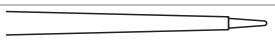
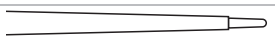
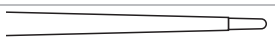
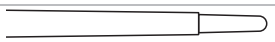
- Nessuna adesione di tessuti
- Derivazione veloce di calore e corrente
- Pulizia facile



1:1.5

	a = 15 cm – 6″	**88.07.02**		0,6 mm
	a = 15 cm – 6″	**88.07.03**		1,0 mm
	a = 18 cm – 7⅛″	**88.07.07**		0,6 mm
	a = 18 cm – 7⅛″	**88.07.08**		1,0 mm
	a = 20 cm – 8″	**88.07.12**		0,6 mm
	a = 20 cm – 8″	**88.07.13**		1,0 mm

1:1.5

a = 20 cm – 8″	b = 10 cm – 4″	**88.08.01**		0,3 mm
a = 20 cm – 8″	b = 10 cm – 4″	**88.08.02**		0,6 mm
a = 20 cm – 8″	b = 10 cm – 4″	**88.08.03**		1,0 mm
a = 20 cm – 8″	b = 10 cm – 4″	**88.08.04**		1,3 mm
a = 20 cm – 8″	b = 10 cm – 4″	**88.08.05**		2,0 mm
a = 22 cm – 8¾″	b = 13 cm – 5⅛″	**88.08.06**		0,3 mm
a = 22 cm – 8¾″	b = 13 cm – 5⅛″	**88.08.07**		0,6 mm
a = 22 cm – 8¾″	b = 13 cm – 5⅛″	**88.08.08**		1,0 mm
a = 22 cm – 8¾″	b = 13 cm – 5⅛″	**88.08.09**		1,3 mm
a = 22 cm – 8¾″	b = 13 cm – 5⅛″	**88.08.10**		2,0 mm
a = 24 cm – 9½″	b = 15 cm – 6″	**88.08.11**		0,3 mm
a = 24 cm – 9½″	b = 15 cm – 6″	**88.08.12**		0,6 mm
a = 24 cm – 9½″	b = 15 cm – 6″	**88.08.13**		1,0 mm
a = 24 cm – 9½″	b = 15 cm – 6″	**88.08.14**		1,3 mm
a = 24 cm – 9½″	b = 15 cm – 6″	**88.08.15**		2,0 mm

Indikationen Indications Indicaciones Indications Indicazioni		Nutzlänge Working length Largo útil Longueur utile Lunghezza utile	
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**

Stecker für Instrumente: Connector for instruments: Enchufe para instrumentos: Fiche pour instruments: Attacco per strumenti:	88.07.02-03 88.07.07-08 88.07.12-13 88.08.01-15		bipolar bipolar bipolar bipolaire bipolare		monopolar monopolar monopolar monopolaire monopolare

Stecker für Geräte von:
Connector for apparatus of:
Enchufe para equipos de:
Fiche pour appareils de:
Attacco per apparecchi:

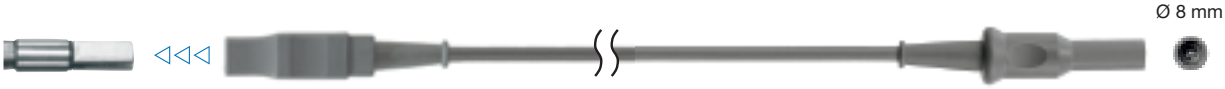
ERBE
MARTIN
BERCHTOLD

3 m	**87.30.96**

Ø 12,5 mm

ERBE
STORZ

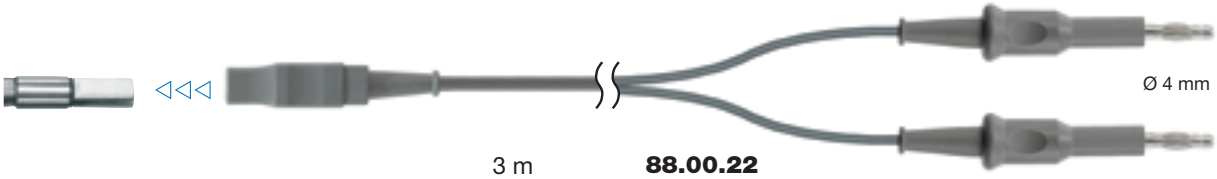
3 m	**88.00.20**
5 m	**88.00.21**



Ø 8 mm

MARTIN
BERCHTOLD
AESCULAP
WOLF

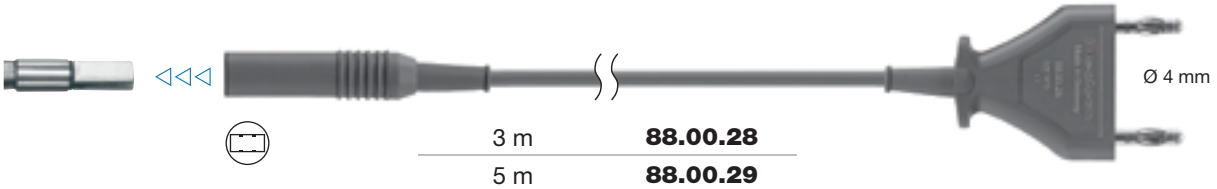
3 m	**88.00.23**
5 m	**88.00.24**



Ø 4 mm

U.S. Standard
ERBE ICC
International

3 m	**88.00.22**
5 m	**88.00.27**



Ø 4 mm

VALLEYLAB

3 m	**88.00.28**
5 m	**88.00.29**

Halteklammer für ein Hochfrequenzkabel mit Knickschutz
Bracket for one high frequency cable with buckling resistance
Dispositivo para un cable de alta frecuencia con protección contra pliegues de cables
Dispositif pour un câble à haut fréquence avec protection contre plis de câble
Dispositivo per un cavo ad alta frequenza con protezione antipiega

- Passend für Siebkörbe ab ½-Container
- Sicherheitsverschluss dient auch als Haltegriff
- Verwendbar für alle Hochfrequenzkabel

- Suitable for wire baskets starting from ½ container
- Safety lock may serve as handle
- Suitable for all high frequency cables

- Aptos para bandejas a partir de ½ contenedor
- Cierre de seguridad sirve también de mango
- Utilizable para todos cables de alta frecuencia

- Approprié pour paniers à partir de ½ container
- Fermoir de sécurité utilisable comme manche
- Approprié pour tous types de câbles à haute fréquence

- Adatto a cestelli da ½ contenitore
- Chiusura di sicurezza utilizzabile come manico
- Adatto a tutti i cavi ad alta frequenza

22,5 cm - 9˝ **88.00.40**

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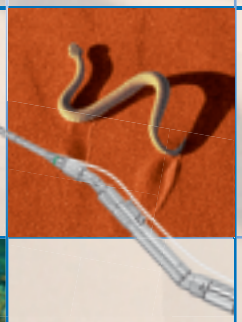
Más productos de Medicon
D'autres produits de Medicon
Altri prodotti Medicon

FURTHER MEDICON PRODUCTS



VipAir

Druckluftmotorensystem
Pneumatic high speed system
Sistema de motor neumático
Système de moteurs à air comprimé
Sistema motore pneumatico

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

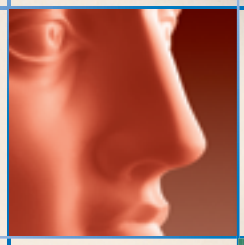
Biegewellen-System
Flexible Cable Motor system
Sistema de motor con eje flexible
Système à tige rotative
Sistema a frusta

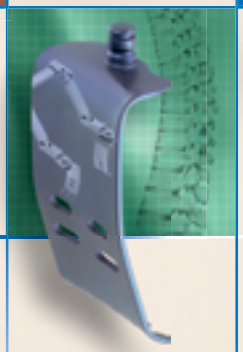
OMF-Implants

Implantate für die Osteosynthese
Implants for the Osteosynthesis
Implantes para la osteosintesis
Implants pour l'ostéosythèse
Impianti per la osteosintesi

the art of surgery

FURTHER MEDICON PRODUCTS





Gubisch

Rhinoplastik
Rhino set
Set para rinoplastia
Boîte pour la rhinoplastie
Set per rinologia

Spread-iT

Wirbelsäulen-Spreizer-System
Spinal Spreading System
Sistema separador para la column vertebral
Système écarteur de colonne vertébrale
Sistema di divaricazione per colonna vertebrale

Obwegeser

Instrumente
Instruments
Instrumentos
Instruments
Strumenti

Medicontainer

Container-Systeme
Container systems
Sistema de contenedores
Systèmes de containers
Sistemi di contenitori

Servotronic

Micromotor
Micro Motor
Micromotor
Micromoteur
Micromotore

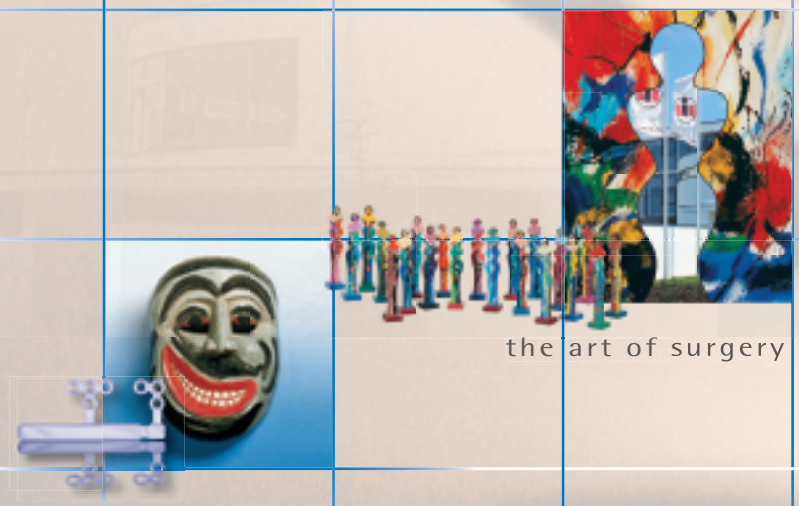
Epiplating

Platten-System
Plate system
Sistema de placas
Système de plaques
Sistema di placche

Micro Saws

Mikrosägen
Micro Saws
Microsierras
Microscies
Microseghe

FURTHER MEDICON PRODUCTS



the art of surgery

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

Siebvorschläge
Set Suggestions
Proposiciónes de juegos
Propositions pour boîtes
Proposte di sets

J

01.22.10

01.22.11

01.27.03

01.27.13

06.21.12

07.01.10

07.30.14

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07.35.13

07.35.17

09.11.15

09.15.16

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

24.22.17

1

2

26.05.41 26.05.42

26.35.02

27.61.13

27.61.14

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

09.22.14 09.22.18

20.17.50 22.18.21

44.60.00

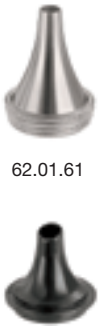
Part 1

Item number	Description	Quantity
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 · 1 × 2 teeth · smooth · 12 cm	2
07.01.10	GRAEFE Fixation forceps · straight · with catch · 11 cm	2
07.30.14	LUCAE Bayonet forceps · serrated · 14 cm	1
07.30.19	GRUENWALD Bayonet forceps · serrated · 19,5 cm	2
07.35.13	TROELTSCH (WILDE) Ear forceps · serrated · 13 cm	1
07.35.17	TROELTSCH Nasal forceps · serrated · 17 cm	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 · serrated · 14 cm	2
09.22.18	Cotton carrier · Ø 1,5 mm · serrated · 18 cm	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 · straight · 12,5 cm	6
15.45.12	HALSTED-MOSQUITO Hemostatic forceps · curved · 12,5 cm	6
15.70.14	KELLY Hemostatic forceps · straight · 14 cm	4
15.71.14	KELLY Hemostatic forceps · curved · 14 cm	4
16.11.16	ROCHESTER-PEAN Hemostatic forceps · curved · 16 cm	6
17.55.13	BACKHAUS Towel clamp · 13 cm	8
20.17.50	CUSHING Vein retractor · 8 × 10 mm · 21 cm	2
22.18.21	PARKER-LANGENBECK (US-ARMY) Retractor · double-ended · set/2 · 21 cm	1
24.22.17	WEITLANER Retractor · 3 × 4 teeth · blunt · 16,5 cm	1
26.05.41	GALLAHER Rasp · figure 1 · 19 cm	1
26.05.42	GALLAHER Rasp · figure 2 · 19 cm	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
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 · figure 4/0 · 17 cm	1
29.51.50	VOLKMANN Sharp curette · figure 0 · 17 cm	1
29.51.52	VOLKMANN Sharp curette · figure 2 · 17 cm	1
29.51.53	VOLKMANN Sharp curette · figure 3 · 17 cm	1
30.30.35	LUER Bone rongeur · curved · 15 cm	1
44.60.00	ZIEGLER Head mirror · Ø 90 mm · complete	2

Part 2 ▸

50.02.15

50.10.16


62.01.61
62.01.93

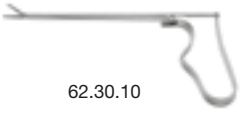
62.07.10

62.07.11

62.10.10

62.14.70

62.18.27


62.30.10

62.31.63

62.62.03
62.62.04
62.62.05

66.05.51
66.05.52
66.05.53

66.20.10

66.25.60

66.40.20

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

62.24.05
62.24.10

66.25.65

49.60.22

49.97.22

Part 2

Item number	Description	Quantity
50.02.15	ALLIS Grasping forceps · 4 × 5 teeth · 15 cm	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) Tympanum perforator · bayonet · 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
62.62.03	KERRISON Mastoid Rongeur · figure 0 - 3 mm · 8 cm	1
62.62.04	KERRISON Mastoid Rongeur · figure 1 - 4 mm · 8 cm	1
62.62.05	KERRISON Mastoid Rongeur · figure 2 - 5 mm · 8 cm	2
66.05.51	MOD. WIEN Nasal speculum · figure 1 · 14 cm	2
66.05.52	MOD. WIEN Nasal speculum · figure 2 · 14 cm	2
66.05.53	MOD. WIEN Nasal speculum · figure 3 · 14 cm	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 · figure 1 - Ø 12 mm · 22 cm	2
73.48.16	Laryngeal mirror · figure 3 - Ø 16 mm · 22 cm	2
73.48.20	Laryngeal mirror · figure 5 - Ø 20 mm · 22 cm	2
202.21.11	Iris scissors · supercut · curved · 11,5 cm	2
202.50.12	STEVENS Scissors · supercut · straight · blunt · 11,5 cm	2
202.50.13	STEVENS Scissors · supercut · curved · blunt · 11,5 cm	2
49.60.22	Medicontainer · 590 × 290 × 220 mm · silver	1
49.97.22	Wire basket · 510 × 255 × 70 mm	2

01.22.10 01.22.11 01.27.03 03.07.14 04.51.15 04.67.16 06.05.14 06.06.14

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

16.46.19 17.21.50 17.55.10 19.17.20 20.17.90 20.64.01 20.64.02 22.34.04

Part 1

06.07.14 06.25.12

16.12.14

16.10.16

Item number	Description	Quantity
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 · sharp/blunt · 14,5 cm	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 · 1 × 2 teeth · standard · 14,5 cm	2
06.06.14	Tissue forceps · 1 × 2 teeth · medium · 14,5 cm	1
06.07.14	Tissue forceps · 1 × 2 teeth · slim · 14,5 cm	1
06.25.12	ADSON-BROWN Tissue forceps · straight · 7 × 7 teeth · 12 cm	1
06.50.15	DEBAKEY AT Vascular forceps · 1,5 mm · 15 cm	1
09.21.72	Cotton carrier · Ø 1,2 mm · triangular serrated · 12 cm	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 · curved · 12,5 cm	8
16.10.14	PEAN Hemostatic forceps · straight · 14 cm	2
16.10.16	ROCHESTER-PEAN Hemostatic forceps · straight · 16 cm	1
16.12.14	KOCHER Hemostatic forceps · straight · 1× 2 teeth · 14 cm	2
16.46.19	BIRKETT Hemostatic forceps · straight · 19 cm	1
17.21.50	SCHNIDT (BOETTCHER) Dissecting forceps · slightly curved · 19 cm	2
17.55.10	BACKHAUS Towel clamp · 10,5 cm	6
19.17.20	GROSS Dressing forceps · curved · 20 cm	1
20.17.90	SCHOENBORN 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

Part 2

23.05.14 23.08.63

24.26.13

24.30.17

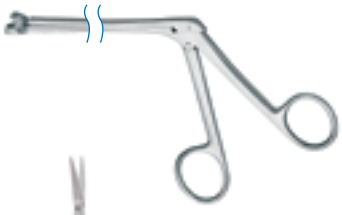
26.35.02

26.44.04

47.30.08

62.21.42

62.60.40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67.49.10

72.00.50

73.46.60

73.49.25

88.00.40

88.00.20

204.35.14

49.60.15

49.97.21

Part 2

Item number	Description	Quantity
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 · 0,1 l	1
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 · figure 2 - 50 mm · 14 cm	1
66.08.07	KILLIAN Nasal speculum · figure 3 - 75 mm · 14 cm	1
66.08.09	KILLIAN Nasal speculum · figure 4 - 90 mm · 14 cm	1
66.32.02	HARTMANN Nasal forceps through-cutting · figure 2 · 12 cm	1
67.49.10	COTTLE-MASING Nasal scissors · curved · blunt · 10 cm	1
72.00.50	BRÜNINGS Tongue depressor · 14/18 mm · 19 cm	1
73.46.60	KILLIAN Laryngeal scissors · 20 cm	1
73.49.25	KILLIAN 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 · 22,5 cm	1
88.17.25	Coagulation forceps · bipolar · angled · sharp · 16,5 cm	1
88.20.08	Coagulation forceps · bipolar · angled · blunt · 20 cm	1
204.35.14	METZENBAUM SLIM Scissors · supercut · curved ·14 cm	1
49.60.15	Medicontainer · 590 × 290 × 150 mm · silver	1
49.97.21	Wire basket · 510 × 255 × 50 mm	2

66.08.05
66.08.07
66.08.09

88.20.08

88.17.25

Tonsillektomie- und Adenotomiesieb
Tonsillectomy and Adenoidectomy Set
Juego para amigdalectomia y adenotomia
Boîte pour amygdalectomie et adénoïdectomie
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

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

72.40.15

72.40.19

72.40.21

72.45.30

72.50.95

72.95.10

72.95.19

73.48.14
73.48.22

88.00.20

88.00.40

88.20.08

66.32.03

47.31.02

72.50.05 72.50.25

Item number	Description	Quantity
06.00.20	Dressing forceps · standard · 20 cm	1
06.10.20	Tissue forceps · 2 × 3 teeth · 20 cm	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 · slightly curved · 19 cm	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 · Ø 60 mm · height 30 mm · 0,06 l	1
66.32.03	HARTMANN Nasal forceps through-cutting · 12 cm · figure 3	1
71.34.10	BECKMANN Adenoid curette 21,5 cm · figure 1 - 10 mm	1
71.34.11	BECKMANN Adenoid curette 21,5 cm · figure 2 - 11 mm	1
71.34.12	BECKMANN Adenoid curette 21,5 cm · figure 3 - 12 mm	1
71.34.13	BECKMANN Adenoid curette 21,5 cm · figure 4 - 13 mm	1
71.34.15	BECKMANN Adenoid curette 21,5 cm · figure 5 - 15 mm	1
71.50.19	JURASZ Adenoid forceps · 19 cm	1
71.64.23	NAGER Soft palate retractor · 22 cm	1
72.00.50	BRÜNINGS Tongue depressor · 14/18 mm · 19 cm	1
72.01.25	HARTMANN Tongue depressor · 75 mm · 23 mm	1
72.25.37	HENKE Tonsil dissector · double-ended · 24 cm	1
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	BRÜNINGS 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 Ø 0,8 mm · straight · Luer-Lock · 12 cm	1
72.95.19	Tonsil cannula Ø 0,8 mm · 90° angled · Luer-Lock · 12 cm	1
73.48.14	Laryngeal mirror · figure 2 - Ø 14 mm · 22 cm	1
73.48.22	Laryngeal mirror · figure 6 - Ø 22 mm · 22 cm	1
88.00.20	Bipolar connecting cable · Ø 12,5 mm · 3 m	1
88.00.40	Bracket · for high frequency cables · 22,5 cm	1
88.20.08	Coagulation forceps · bipolar · angled · blunt · 20 cm	1
49.60.10	Medicontainer · 590 × 290 × 100 mm · silver	1
49.97.21	Wire basket · 510 × 255 × 50 mm	1

49.60.10

49.97.21

73.17.01
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73.17.33
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73.17.36
73.17.38
73.30.80

74.00.03
74.00.04
74.00.05

74.01.04

74.01.01

73.49.77

74.40.07

Part 1

Item number	Description	Quantity
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
73.49.77	Laryngeal needle · bayonet · Luer-Lock · 27,5 cm	1
74.00.03	Operating laryngoscope · figure 3 · 182 mm	1
74.00.04	Operating laryngoscope · figure 4 · 172 mm	1
74.00.05	Operating laryngoscope · figure 5 · 172 mm	1
74.01.01	Laryngoscope holder · with chest support	1
74.01.04	Fibre optic light carrier	1
74.40.07	TORRINGTON Suction tube · 7 French	1

Part 2

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

49.60.13

49.97.12

49.97.82

Part 2

Item number	Description	Quantity
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 · 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 · 22,5 cm	1
88.90.40	BINNER Larynx coagulation electrode · curved · 35 cm	1
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

73.17.80

73.17.81

73.18.00

73.18.01

73.18.06

73.18.07

73.18.09

73.18.10

73.18.11

74.00.01
74.00.02

74.01.03

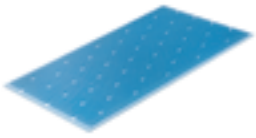
74.01.02

74.01.08

Item number	Description	Quantity
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
74.00.01	Operating laryngoscope · figure 1 · 135 mm	1
74.00.02	Operating laryngoscope · figure 2 · 152 mm	1
74.01.02	Chest support · only	1
74.01.03	Fibre optic 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

49.60.10

49.97.12



49.97.82

01.22.10

01.22.11

01.27.03

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03.03.15

03.05.83

06.06.16

06.30.15

06.31.15

10.12.13

15.40.12

15.42.12

15.45.12

15.72.14

16.12.14

17.55.10

22.10.12

22.34.02
22.34.04

24.22.13

47.30.08

204.35.14

49.50.10

49.97.02

10.20.68

20.67.02

Item number	Description	Quantity
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 · blunt/blunt · 15 cm	1
03.05.83	Operating scissors · delicate · curved · sharp/sharp · 13 cm	1
06.06.16	Tissue forceps · medium · 1 × 2 teeth · 16 cm	1
06.30.15	SEMKEN Dressing forceps · straight · serrated · 15 cm	2
06.31.15	SEMKEN Tissue forceps · straight · 1 × 2 teeth · 15 cm	2
10.12.13	HALSEY Needle holder · serrated · 13,5 cm	1
10.20.68	CRILE-WOOD HM (DEBAKEY HM) Needle holder · 18 cm	1
15.40.12	MICRO-HALSTED Hemostatic forceps · straight · 12,5 cm	2
15.42.12	MICRO-HALSTED Hemostatic forceps · 1 × 2 teeth · straight · 12,5 cm	2
15.45.12	HALSTED-MOSQUITO Hemostatic forceps · curved · 12,5 cm	2
15.72.14	CRILE Hemostatic forceps · straight · 14 cm	2
16.12.14	KOCHER Hemostatic forceps · straight · 1 × 2 teeth · 14 cm	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 · set/2 · 12 cm	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 · Ø 80 mm · height 35 mm · 0,1 l	1
204.35.14	METZENBAUM-SLIM Scissors · supercut · curved · 14 cm	1
49.50.10	Medicontainer · 290 × 290 × 100 mm · silver	1
49.97.02	Wire basket · 240 × 255 × 50 mm	1

01.22.10

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01.30.64

02.05.10

02.21.85

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10.08.12

10.39.17

26.42.25

33.04.18

62.15.72

66.08.07
66.08.09

66.25.65

66.28.03
66.28.05

67.03.50

67.10.20

67.15.48

09.21.74 09.83.08 09.83.10

Part 1

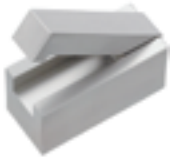
Item number	Description	Quantity
01.22.10	Scalpel blade · figure 10 · sterile · packing unit 100 pieces	1
01.22.15	Scalpel blade · figure 15 · sterile · packing unit 100 pieces	1
01.27.07	Scalpel handle · no. 7 · long · 16,5 cm	1
01.30.32	Mini Scalpel handle · round · 13 cm	1
01.30.64	Mini Scalpel blade · figure 64 · sterile · packing unit 12 pieces	1
02.05.10	Scissor · curved · sharp · 10,5 cm	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 · 7 × 7 teeth · 12 cm	1
09.21.74	Cotton carrier · Ø 1,2 mm · triangular serrated · 14 cm	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 · smooth · 12,5 cm	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
62.15.72	HARTMANN Ear hook · sharp · figure 2 · 16 cm	1
66.08.07	KILLIAN Nasal speculum · figure 3 - 75 mm · 14 cm	1
66.08.09	KILLIAN Nasal speculum · figure 4 - 90 mm · 14 cm	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
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 Septum raspatory · 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

Part 2

66.25.45

67.15.93 67.16.22

67.16.65


67.19.70

67.20.21
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267.53.14

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67.32.06 67.38.10
67.38.11
67.38.12

67.65.10

Part 2

Item number	Description	Quantity
67.16.65	COTTLE Elevator · double-ended · 4 mm · 22 cm	1
67.19.70	COTTLE Cartilage crusher	1
67.20.21	COTTLE Retractor · 2 teeth · ball tip/sharp · 10 mm · 14 cm	1
67.20.22	COTTLE 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 · fine · 21 cm	1
67.59.71	MASING Nasal file · coarse · 21 cm	1
67.60.11	JOSEPH Nasal saw · left · 18,5 cm	1
67.60.12	JOSEPH Nasal saw · right · 18,5 cm	1
67.65.10	WALSHAM UNIVERSAL Septum forceps · 23 cm	1
67.92.06	COTTLE-MASING Needle holder · 6 cm shaft	1
267.53.14	WALTER Nasal scissors · supercut · angled · 14 cm	1
49.60.17	Medicontainer · 590 × 290 × 170 mm · silver	1
49.97.22	Wire basket · 510 × 255 × 70 mm	2

02.05.10

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10.12.63

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26.42.24

47.30.08

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09.21.74 09.83.28

66.03.53

Part 1

Item number	Description	Quantity
02.05.10	Scissors · curved · sharp · 10,5 cm	1
02.21.85	GRAEFE Iris scissors · angled · 10 cm	1
03.07.14	Operating scissors · curved · sharp/blunt · 14,5 cm	1
06.25.12	ADSON-BROWN Tissue forceps · straight · 7 × 7 teeth · 12 cm	1
06.30.10	Iris forceps · straight · serrated · 10 cm	1
06.31.10	Iris forceps · straight · 1 × 2 teeth · 10 cm	1
07.00.10	GRAEFE Fixation forceps · straight · 11 cm	1
07.30.16	GRUENWALD Bayonet forceps · serrated · 16 cm	1
09.21.74	Cotton carrier · Ø 1,2 mm · triangular serrated · 14 cm	2
09.83.28	FRAZIER (FERGUSSON) Suction cannula · 8 French · angled · 12,5 cm	1
10.12.63	HALSEY HM Needle holder · serrated · 13,5 cm	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 · Ø 80 mm · height 35 mm · 0,1 l	2
60.20.21	WALTER Cataract needle · curved · 12 cm	1
66.03.53	HARTMANN-HALLE Nasal speculum · figure 3 · 15 cm	1
66.08.05	KILLIAN Nasal speculum · figure 2 - 50 mm · 14 cm	1
66.08.07	KILLIAN Nasal speculum · figure 3 - 75 mm · 14 cm	1
66.08.09	KILLIAN Nasal speculum · figure 4 - 90 mm · 14 cm	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
66.28.03	WEIL-BLAKESLEY Nasal forceps · straight · figure 3 - 4,2 mm · 12 cm	1
66.28.05	WEIL-BLAKESLEY Nasal forceps · straight · figure 5 - 5,6 mm · 12 cm	1
66.28.13	WEIL-BLAKESLEY Nasal forceps · 45° · figure 3 - 4,2 mm · 12 cm	1

Part 2 ▸

66.28.03
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67.03.50

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67.16.22

67.30.04
67.30.07

67.40.20

67.49.10

67.58.50

67.58.60

72.00.50

88.17.25

88.00.20

204.51.15

267.53.14

49.60.13

49.97.21

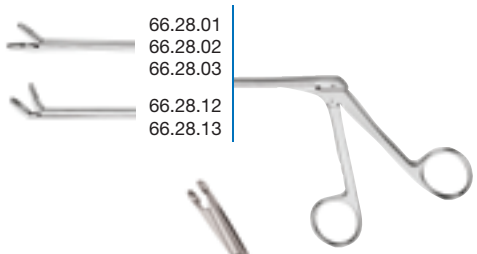
67.16.65

67.21.15

88.00.40

Part 2

Item number	Description	Quantity
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	BRÜNINGS 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 · 22,5 cm	1
88.17.25	Coagulation forceps · bipolar · angled · sharp · 16,5 cm	1
204.51.15	JOSEPH Scissors · supercut · curved · 15 cm	1
267.53.14	WALTER Nasal scissors · supercut · angled · 14 cm	1
49.60.13	Medicontainer · 590 × 290 × 135 mm · silver	1
49.97.21	Wire basket · 510 × 255 × 50 mm	2



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09.83.62

62.17.60

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66.70.63

67.16.23

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88.67.06

49.50.17

49.97.02

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66.32.51

87.30.35 87.33.70

49.97.06

Item number	Description	Quantity
09.83.28	FRAZIER (FERGUSSON) Suction cannula · 8 French · angled · 12,5 cm	1
09.83.62	FRAZIER Suction cannula · 12 French · angled · 18 cm	1
62.17.60	POLITZER Sickle knife · 16 cm	1
66.08.03	KILLIAN Nasal speculum · figure 1 - 35 mm · 14 cm	1
66.08.05	KILLIAN Nasal speculum · figure 2 - 50 mm · 14 cm	1
66.08.07	KILLIAN Nasal speculum · figure 3 - 75 mm · 14 cm	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-B LAKESLEY 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 · 12 cm	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 · straight · 13,5 cm	1
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 · 0° · 175 mm	1
66.70.47	Sinuscope · Ø 4 mm · 70° · 175 mm	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 · Ø 4 mm · with cable 4,5 m	1
88.00.20	Bipolar cable · Ø 12,5 mm · 3m	1
88.00.40	Bracket · for high frequency cables · 22,5 cm	1
88.67.06	Coagulation forceps · bipolar · bayonet · blunt · 16,5 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

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

29.13.01

29.13.02

29.13.03

47.32.14

66.08.03
66.08.05
66.08.07
66.08.09

66.15.20

66.31.21
66.31.22

66.28.02
66.28.03

66.60.82
66.60.83
66.60.84

67.02.55

72.00.15

204.33.14

49.50.15

27.02.10

27.57.04
27.57.06

66.60.10

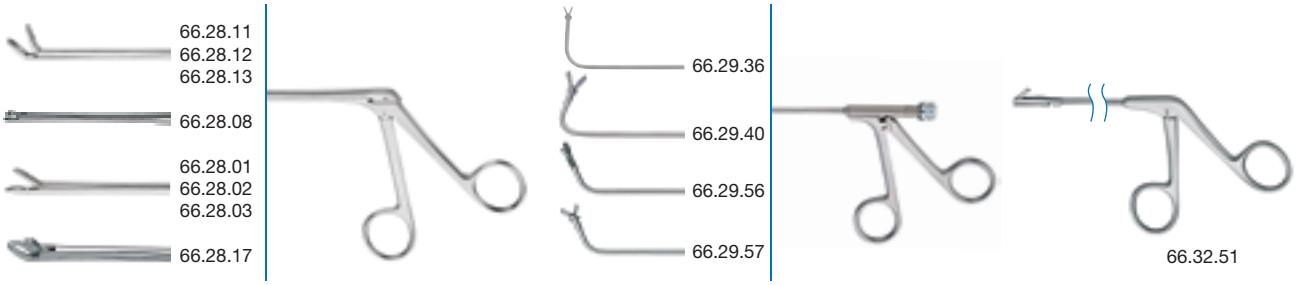
66.60.22

Item number	Description	Quantity
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 · blunt/blunt · 13 cm	1
06.00.14	Dressing forceps · standard · 14,5 cm	1
06.05.14	Tissue forceps · 1 × 2 teeth · standard · 14,5 cm	1
07.35.13	TROELTSCH (WILDE) Ear forceps · 13 cm	1
17.21.56	SCHNIDT (SAWTELL) Forceps · strongly curved · 19 cm	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 · Ø 20 mm · 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 · Ø 140 mm · height 35 mm · 0,35 l	1
66.08.03	KILLIAN Nasal speculum · figure 1 - 35 mm · 14 cm	1
66.08.05	KILLIAN Nasal speculum · figure 2 - 50 mm · 14 cm	1
66.08.07	KILLIAN Nasal speculum · figure 3 - 75 mm · 14 cm	1
66.08.09	KILLIAN Nasal speculum · figure 4 - 90 mm · 14 cm	1
66.15.20	KRAUSE Nasal polypus snare · 26 cm	1
66.28.02	WEIL-BLAKESLEY Nasal forceps · straight · figure 2 - 3,6 mm · 12 cm	1
66.28.03	WEIL-BLAKESLEY Nasal forceps · straight · figure 3 - 4,2 mm · 12 cm	1
66.31.21	HAJEK-GRUENWALD Nasal forceps · figure 1 · 12 cm	1
66.31.22	HAJEK-GRUENWALD Nasal forceps · figure 2 · 12 cm	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 · 16 cm	1
66.60.83	RITTER-HALLE Sinus dilator · Ø 3,0 mm · 16 cm	1
66.60.84	RITTER-HALLE Sinus dilator · Ø 4,0 mm · 16 cm	1
67.02.55	COTTLE Nasal speculum · figure 2 - 55 mm · 14 cm	1
72.00.15	Tongue depressor · 20/23 mm · 14 cm	1
204.33.14	METZENBAUM Scissors · supercut · curved · 14 cm	1
49.50.15	Medicontainer · 290 × 290 × 150 mm · silver	1
49.97.02	Wire basket · 240 × 255 × 50 mm	1

49.97.02

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

62.32.60 | 66.01.10 | 66.03.01, 66.03.03 | 66.10.20 | 66.10.21



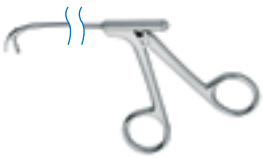
66.28.11, 66.28.12, 66.28.13 | 66.28.08 | 66.28.01, 66.28.02, 66.28.03 | 66.28.17

66.29.36 | 66.29.40 | 66.29.56 | 66.29.57

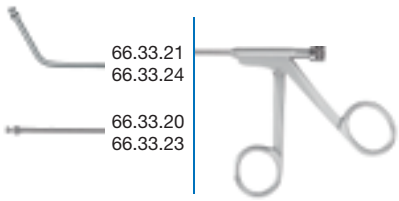
66.32.51

Part 1

27.82.12 62.17.60



66.25.57



Item number	Description	Quantity
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 Bayonet forceps · 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 cannula · 10 French · angled · 12,5 cm	1
23.25.03	LANGENBECK-KOCHER Retractor · 10 × 30 mm · 21 cm	1
23.33.02	MIDDELDORPF Retractor · 22 × 22 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	STRÜMPEL Ear forceps · 2,5 × 5 mm · 8 cm	1
66.01.10	TIECK-HALLE Nasal speculum · for babies · 13,5 cm	1
66.03.01	HARTMANN-HALLE Nasal speculum · figure 1 · 15 cm	1
66.03.03	HARTMANN-HALLE Nasal speculum · figure 3 · 15 cm	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 · 12 cm	1
66.28.02	WEIL-BLAKESLEY Nasal forceps · straight · figure 2 - 3,6 mm · 12 cm	1
66.28.03	WEIL-BLAKESLEY Nasal forceps · straight · figure 3 - 4,2 mm · 12 cm	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 · 12 cm	1
66.28.12	WEIL-BLAKESLEY Nasal forceps · 45° · figure 2 - 3,6 mm · 12 cm	1
66.28.13	WEIL-BLAKESLEY Nasal forceps · 45° · figure 3 - 4,2 mm · 12 cm	1
66.28.17	WEIL-BLAKESLEY Nasal forceps · through-cutting · 45° · 3,0 mm · 11,5 cm	1
66.29.36	Nasal forceps · angled upwards 90° · vertical opening · Ø 2,7 mm · 13 cm	1
66.29.40	Nasal forceps · angled upwards 110° · vertical opening · Ø 2,7 mm · 13 cm	1
66.29.56	Nasal forceps · angled upwards 70° · horizontal opening · Ø 2,7 mm · 13 cm	1
66.29.57	Nasal forceps · angled upwards 70°· vertical opening · Ø 2,7 mm · 13 cm	1
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

Part 2 ▸

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

67.05.55
67.06.55

88.00.20

88.00.40

88.70.05

88.90.20

266.40.21

49.60.22

49.97.21
49.97.22

Part 2

66.70.63
66.70.65

Item number	Description	Quantity
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 · 30° · 175 mm	1
66.70.47	Sinuscope · Ø 4 mm · 70° · 175 mm	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 speculum · for flexible tension arm · left 55 mm · right 35 mm with teeth	1
67.06.55	Nasal speculum · 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 Nasal scissors · supercut · 18 cm	1
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

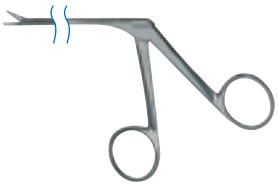
09.74.91

09.82.40

09.83.30
09.83.32

26.35.02

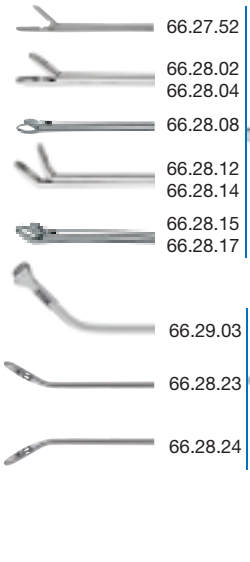
58.32.21



58.46.40

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

66.33.20

66.38.12

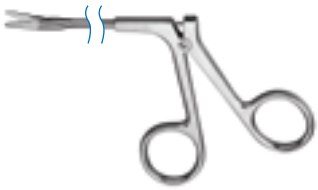
Part 1

63.10.03 66.03.03

Item number	Description	Quantity
09.74.91	Septum needle · 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 cannula · 10 French · 12,5 cm	1
09.83.32	FRAZIER (FERGUSSON) Suction cannula · 12 French · 12,5 cm	1
26.35.02	FREER Elevator · double-ended · sharp/blunt · 5 mm · 19 cm	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 · figure 3 · 15 cm	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 · 12 cm	1
66.28.04	WEIL-BLAKESLEY Nasal forceps · straight · figure 4 - 4,8 mm · 12 cm	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 · 12 cm	1
66.28.14	WEIL-BLAKESLEY Nasal forceps · angled upwards 45° · figure 4 - 4,8 mm · 12 cm	1
66.28.15	WEIL-BLAKESLEY Nasal forceps · through-cutting · angled upw. 45° · 2,0 mm · 11,5 cm	1
66.28.17	WEIL-BLAKESLEY Nasal forceps · through-cutting · angled upw. 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 · 2,0 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
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

Part 2

66.32.65



66.40.24
66.40.25
66.40.26

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 dal microscopio

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

66.70.65

67.05.55
67.05.75
67.06.55
67.06.75

88.00.40

88.00.20

88.90.20

91.10.12

49.60.17

49.97.06

49.97.22

49.97.82

Part 2

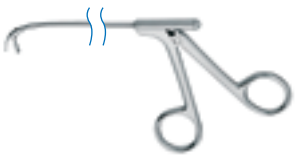
66.70.43
66.70.47

266.40.21

267.53.63

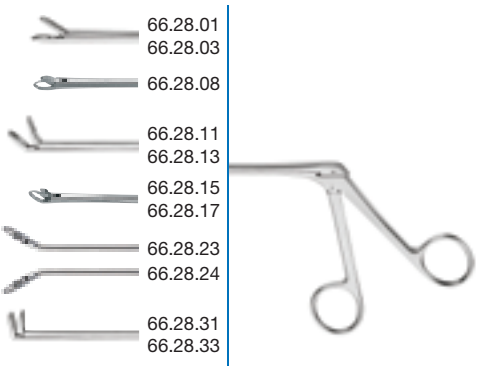
Item number	Description	Quantity
66.54.80	Double probe · ball end · Ø 1,2 mm / 2,0 mm · 19 cm	1
66.58.20	FAULKNER Antrum curette · double-ended · 21,5 cm	1
66.58.80	Antrum curette · small · oval · 19 cm	1
66.58.87	Antrum curette · round · 5 mm · 20 cm	1
66.58.88	Antrum curette · oval · 3,0 × 6,0 mm · 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 · 30° · 175 mm	1
66.70.47	Sinuscope · Ø 4 mm · 70° · 175 mm	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 · 15 cm	1
67.05.75	Nasal speculum · for flexible tension arm · right 55 mm · left 35 mm · 15 cm	1
67.06.55	Nasal speculum · for flexible tension arm · left 75 mm · right 35 mm · 15 cm	1
67.06.75	Nasal speculum · for flexible tension arm · right 75 mm · left 35 mm · 15 cm	1
88.00.20	Bipolar connecting cable · Ø 12,5 mm · 3 m	1
88.00.40	Bracket · for high frequency cables · 22,5 cm	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 Nasal scissors · supercut · 18 cm	1
267.53.63	PLUS FOMON Nasal scissors · supercut plus · 13 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

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 66.03.03



66.25.57

66.27.56 66.27.57 66.27.58 66.27.59



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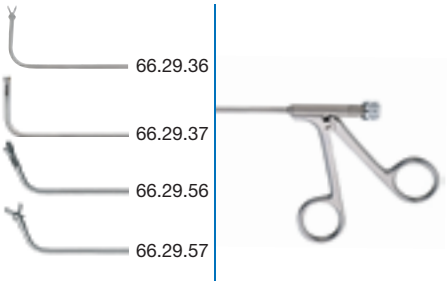
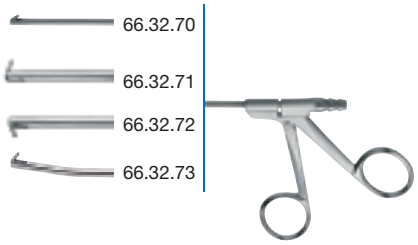


66.29.36 66.29.37 66.29.56 66.29.57

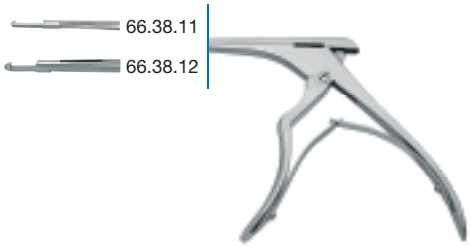
66.32.65



66.32.70 66.32.71 66.32.72 66.32.73

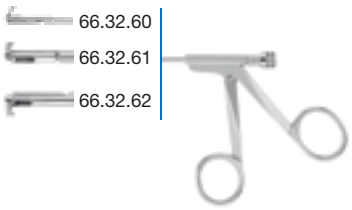
66.33.20

66.38.10



66.38.11 66.38.12

66.10.20 66.10.21



66.40.24
66.40.25
66.40.26

Part 1

Item number	Description	Quantity
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 needle · angular · Ø 0,8 mm · Luer-Lock	1
09.83.30	FRAZIER (FERGUSSON) Suction cannula · 10 French · 12,5 cm	1
09.83.32	FRAZIER (FERGUSSON) Suction cannula · 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 · figure 1 · 4 mm · 21 cm	1
66.03.03	HARTMANN-HALLE Nasal speculum · figure 3 · 15 cm	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 · 12 cm	1
66.28.03	WEIL-BLAKESLEY Nasal forceps · straight · figure 3 - 4,2 mm · 12 cm	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 · 12 cm	1
66.28.13	WEIL-BLAKESLEY Nasal forceps · angled upwards 45° · figure 3 - 4,2 mm · 12 cm	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 · 12 cm	1
66.28.33	WEIL-BLAKESLEY Nasal forceps · angled upwards 90° · figure 3 - 4,2 mm · 12 cm	1
66.29.36	Nasal forceps · angled upwards 90° · vertical opening · Ø 2,7 mm · 13 cm	1
66.29.37	Nasal forceps · angled upwards 90° · horizontal opening · Ø 2,7 mm · 13 cm	1
66.29.56	Nasal forceps · angled upwards 70° · horizontal opening · Ø 2,7 mm · 13 cm	1
66.29.57	Nasal forceps · angled upwards 70°· vertical opening · Ø 2,7 mm · 13 cm	1
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 · 2,0 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 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

Part 2 ▸

66.52.80
66.52.81

66.54.80

66.58.20

66.58.80

66.58.87
66.58.88

66.60.11

66.60.24

66.70.27
66.70.40
66.70.43

68.82.32

88.00.20

88.00.40

88.20.26

91.10.12

266.40.21

49.60.17

49.97.06

49.97.21

66.70.65 67.16.23

Part 2

Item number	Description	Quantity
66.52.80	Sickle knife · sharp · 19 cm	1
66.52.81	Sickle knife · blunt · 19 cm	1
66.54.80	Double probe · ball end · 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 · small · oval · 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 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 · 70° · 175 mm	1
66.70.40	Sinuscope · Ø 4,0 mm · 0° · 175 mm	1
66.70.43	Sinuscope · Ø 4,0 mm · 30° · 175 mm	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 · 22,5 cm	1
88.20.26	Coagulation forceps · bipolar · angular · blunt · 20 cm	1
91.10.12	Antifog solution · bottle · sterile · 30 ml	1
266.40.21	HEYMANN Nasal scissors · supercut · 18 cm	1
267.53.63	FOMON Nasal scissors · supercut plus · 13 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
49.97.21	Wire basket · 510 × 255 × 50 mm	3
49.97.82	Silicone mat · 13 mm · 467 × 240 mm	1

267.53.63

49.97.82

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

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

47.50.50

62.01.11
62.01.12
62.01.13

62.12.09
62.12.10

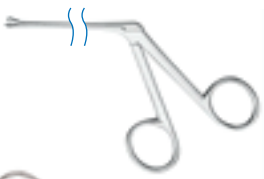
62.16.07

62.16.52

62.21.11
62.21.12
62.21.13
62.21.14
62.21.15

62.21.46

62.31.12

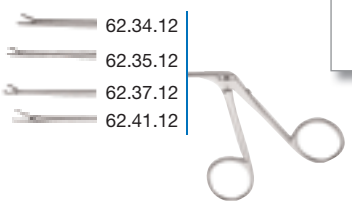

62.32.01

14.20.09 15.45.12

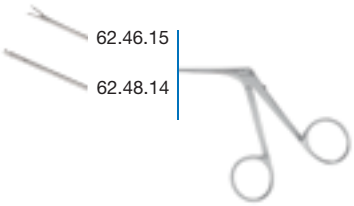
Part 1

Item number	Description	Quantity
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 · sharp/blunt · 12 cm	1
03.07.11	Operating scissors · curved · sharp/blunt · 11,5 cm	1
06.05.11	Tissue forceps · 1 × 2 teeth · standard · 11,5 cm	1
06.30.15	SEMKEN Dressing forceps · straight · serrated · 15 cm	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 · straight · 12,5 cm	1
15.45.12	HALSTED-MOSQUITO Hemostatic forceps · curved · 12,5 cm	2
16.10.14	PEAN Hemostatic forceps · straight · 14 cm	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
46.55.23	Sterilizing case · 230 × 130 × 50 mm	1
47.50.50	Medicin cup · graduated · 50 ml	1
62.01.11	HARTMANN Ear speculum · adult · figure 1 - 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
62.12.09	BUCK Ear curette · sharp · figure 00 · 15 cm	1
62.12.10	BUCK Ear curette · sharp · figure 0 · 15 cm	1
62.16.07	WAGENER Ear lever · 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

46.55.23



Part 2 ▸



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 | 63.06.90 63.06.95 | 63.08.02 63.08.06 | 63.08.20 | 63.10.05

63.14.33 | 63.45.26 | 63.54.00 | 63.56.22 | 63.60.22 | 63.65.73 | 63.66.00 | 63.69.95 | 63.89.75 | 66.03.53 | 72.25.01

88.00.40

88.00.20

88.17.08

92.10.10

203.07.14

204.11.11

49.60.17

63.10.35 63.10.41 63.12.70 63.12.75

Part 2

Item number	Description	Quantity
62.46.15	MC GEE Wire bending forceps · 4,5 × 0,8 mm · 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
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 · 15 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 · 400 ml	1
63.89.75	SCHUKNECHT MODIF. Wire bending die	1
66.03.53	HARTMANN-HALLE Nasal speculum · figure 3 · 15 cm	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 · 22,5 cm	1
88.17.08	Coagulation forceps · bipolar · angled · blunt · 16,5 cm	1
92.10.10	Micro motor system Servotronic EC 100 · 230 V	1
203.07.14	Operating scissors · supercut · curved · sharp/blunt · 14,5 cm	1
204.11.11	SIEGERT Scissors · supercut · curved · 11,5 cm	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

76.01.05

49.90.04

49.97.21

09.21.15

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

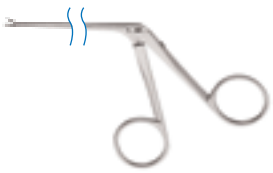
63.06.05

63.06.56

63.10.41

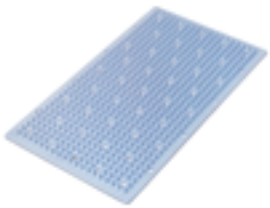
49.40.35

49.97.10



62.34.12

Item number	Description	Quantity
09.21.15	LATHBURY (FARRELL) Cotton carrier · Ø 1,2 mm · cross threads · 15 cm	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 · 15 cm	1
62.18.35	LUCAE Tympanum perforator	1
62.21.01	ROSEN Suction needle · 0,7 mm · straight · Luer-Lock	1
62.21.02	ROSEN Suction needle · 0,9 mm · straight · Luer-Lock	1
62.21.03	ROSEN Suction needle · 1,2 mm · straight · Luer-Lock	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
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



49.97.74

46.31.58

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

49.50.15

49.97.02

Item number	Description	Quantity
46.31.58	Sterilizing rack · 190 × 97 × 32 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 · 15 cm	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
49.50.10	Medicontainer · 290 × 290 × 100 mm	1
49.97.02	Wire basket · 240 × 255 × 50 mm	1

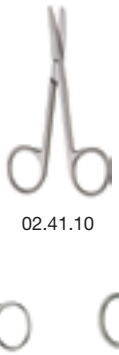
Anthelix-Otoplastiksieb
Anthelix Otoplastic Set
Juego anthelix para otoplastía
Boîte anthelix pour otoplastie
Set anthelix per otoplastica

01.22.11

01.22.15

01.27.03

02.05.10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03.07.14

04.51.15

06.01.14

06.06.14

06.31.10

07.00.10

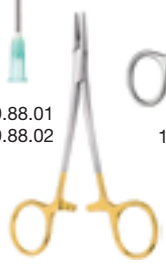
09.21.72

09.88.01
09.88.02

15.44.14

16.10.14

17.55.10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15.45.12

17.02.14

20.20.57

20.50.05

20.65.02

26.35.02

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

09.78.53

09.83.28
09.83.30

27.80.11

44.90.70

44.90.72

47.50.50

49.60.17

49.97.21

Item number	Description	Quantity
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 · sharp · 10,5 cm	1
02.41.10	LEXER-BABY Scissors · curved · 10 cm	1
03.07.14	Operating scissors · curved · sharp/blunt · 14,5 cm	1
04.51.15	JOSEPH Scissors · curved · 15 cm	1
06.01.14	Dressing forceps · medium · 14,5 cm	1
06.06.14	Tissue forceps · 1 × 2 teeth · medium · 14,5 cm	1
06.31.10	Iris forceps · straight · 1 × 2 teeth · 10 cm	1
07.00.10	GRAEFE Fixation forceps · straight · 11 cm	1
09.21.72	Cotton carrier · Ø 1,2 mm · triangular serrated · 12 cm	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 · serrated · 13,5 cm	1
15.44.14	HALSTED-MOSQUITO Hemostatic forceps · straight · 14 cm	1
15.45.12	HALSTED-MOSQUITO Hemostatic forceps · curved · 12,5 cm	6
16.10.14	PEAN Hemostatic forceps · straight · 14 cm	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 · 17 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
27.80.11	FREER Chisel · slightly 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 ml	1
62.15.72	HARTMANN Ear hook · sharp · figure 2 · 16 cm	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 · right · 16 cm	1
67.99.99	KISTLER Anthelix cartilage rasp · left · 16 cm	1
88.00.20	Bipolar connecting cable · Ø 12,5 mm · 3 m	1
88.00.40	Bracket · for high frequency cables · 22,5 cm	1
88.17.07	Coagulation forceps · bipolar · angled · sharp · 16,5 cm	1
204.11.11	SIEGERT Scissors · supercut · curved · 11,5 cm	1
49.60.13	Medicontainer · 590 × 290 × 135 · silver	1
49.97.21	Wire basket · 510 × 255 × 50 mm	2

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

Ofrecemos hospitales un servicio de revisión del instrumental quirúrgico. Contenido del servicio:

- Registro de todos los instrumentos según cantidad y valor
- Estandarizar los set de instrumentos y completar los instrumentos faltantes
- Cambio o reparación de instrumentos defectuosos
- 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
- Realizzazione di un elenco del contenuto e dell'imballaggio

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07.74.15	58	**09.21.18**	78	**09.79.35**	83	**10.08.12**	60
07.74.18	58	**09.21.62**	78	**09.79.55**	83	**10.08.62**	60
07.74.21	58	**09.21.64**	78	**09.79.65**	83	**10.10.12**	61
07.75.15	58	**09.21.65**	78	**09.80.12**	84	**10.10.13**	61
07.75.18	58	**09.21.66**	78	**09.81.12**	84	**10.10.61**	61
07.75.21	58	**09.21.68**	78	**09.81.32**	84	**10.10.62**	61
07.76.15	58	**09.21.72**	79	**09.82.08**	84	**10.10.63**	61
07.76.18	58	**09.21.74**	79	**09.82.10**	84	**10.12.12**	62
07.76.21	58	**09.21.76**	79	**09.82.12**	84	**10.12.13**	62
07.77.15	58	**09.22.12**	79	**09.82.21**	406	**10.12.62**	62
07.77.18	58	**09.22.14**	79	**09.82.22**	406	**10.12.63**	62
07.77.21	58	**09.22.16**	79	**09.82.23**	407	**10.14.14**	62
09.03.14	75	**09.22.18**	79	**09.82.24**	407	**10.14.64**	62
09.04.10	75	**09.25.15**	79	**09.82.25**	407	**10.18.15**	63
09.04.11	75	**09.25.18**	79	**09.82.26**	407	**10.18.18**	63
09.04.13	75	**09.27.16**	79	**09.82.28**	84	**10.18.20**	63
09.04.14	75	**09.27.18**	79	**09.82.30**	84	**10.18.65**	63
09.04.16	75	**09.52.10**	80	**09.82.32**	84	**10.18.68**	63
09.04.18	75	**09.52.15**	80	**09.82.36**	406	**10.18.70**	63
09.04.20	75	**09.52.33**	80	**09.82.38**	406	**10.18.85**	63
09.04.25	75	**09.52.43**	80	**09.82.40**	406	**10.18.88**	63
09.05.10	75	**09.52.44**	80	**09.83.06**	85	**10.18.90**	63
09.05.11	75	**09.52.45**	80	**09.83.08**	85	**10.20.14**	63
09.05.13	75	**09.74.15**	81, 402	**09.83.10**	85	**10.20.15**	64
09.05.14	75	**09.74.18**	81, 402	**09.83.12**	85	**10.20.18**	64
09.05.16	75	**09.74.20**	81, 402	**09.83.26**	85, 407	**10.20.20**	64
09.05.18	75	**09.74.45**	81, 402	**09.83.28**	85, 407	**10.20.64**	63
09.05.20	75	**09.74.48**	81, 402	**09.83.30**	85, 407	**10.20.65**	64
09.05.25	75	**09.74.50**	81, 402	**09.83.32**	85, 407	**10.20.68**	64
09.05.30	75	**09.74.75**	81, 402	**09.83.34**	85, 407	**10.20.70**	64
09.08.13	75	**09.74.78**	81, 402	**09.83.47**	86, 407	**10.22.18**	64
09.08.14	75	**09.74.80**	81, 402	**09.83.49**	86, 407	**10.22.68**	64
09.08.16	75	**09.74.91**	80, 402	**09.83.51**	86, 407	**10.24.65**	65
09.08.20	75	**09.78.31**	82, 452	**09.83.56**	85	**10.24.68**	65
09.15.11	76	**09.78.32**	82, 452	**09.83.58**	85	**10.24.70**	65

10.24.73	65	**12.15.50**	71	**13.71.18**	118	**14.30.17**	122
10.26.63	65	**12.15.51**	71	**13.71.21**	118	**14.40.65**	121
10.26.65	65	**12.15.70**	72	**13.71.22**	117	**14.44.67**	121
10.26.68	65	**12.15.71**	72	**13.71.23**	117	**14.46.14**	122
10.26.70	65	**12.15.72**	72	**13.71.42**	116	**14.60.01**	123
10.26.73	65	**12.15.73**	72	**13.71.43**	116	**14.60.02**	123
10.28.63	65	**12.16.75**	73	**13.71.50**	118	**14.60.03**	123
10.28.65	65	**12.16.76**	73	**13.71.51**	118	**14.60.04**	123
10.28.68	65	**12.16.77**	73	**13.71.52**	118	**14.60.05**	123
10.28.70	65	**12.16.78**	73	**13.71.53**	118	**14.60.06**	123
10.28.73	65	**12.18.70**	72	**13.71.58**	116	**14.60.07**	123
10.37.20	66	**12.18.71**	72	**13.71.59**	116	**14.60.08**	123
10.37.70	66	**12.18.72**	72	**13.71.60**	118	**14.60.09**	123
10.39.17	66	**12.18.73**	72	**13.71.61**	118	**14.60.10**	123
10.39.64	66	**12.18.74**	72	**13.71.62**	118	**14.60.11**	123
10.39.65	66	**12.18.75**	72	**13.71.63**	118	**14.60.12**	123
10.39.66	66	**12.18.85**	73	**13.71.70**	118	**14.60.13**	123
10.39.67	66	**12.18.86**	73	**13.71.71**	118	**14.60.14**	123
10.59.14	67	**12.18.87**	73	**13.71.72**	118	**14.60.15**	123
10.59.15	67	**12.18.88**	73	**13.71.73**	118	**14.60.16**	123
10.59.64	67	**12.21.95**	73	**13.71.82**	116	**14.62.01**	123
10.59.65	67	**12.21.96**	73	**13.71.83**	116	**14.62.02**	123
10.60.14	68	**12.21.97**	73	**13.71.84**	118	**14.62.03**	123
10.60.17	68	**12.21.98**	73	**13.71.86**	117	**14.62.04**	123
10.60.19	68	**13.09.52**	111	**14.06.09**	119	**14.62.05**	123
10.60.64	68	**13.09.53**	111	**14.06.10**	119	**14.62.06**	123
10.60.67	68	**13.11.14**	111	**14.06.12**	119	**14.62.07**	123
10.60.69	68	**13.11.15**	111	**14.06.13**	119	**14.62.08**	123
11.18.14	69	**13.12.11**	112	**14.06.60**	119	**14.62.09**	123
11.18.17	69	**13.12.14**	112	**14.06.62**	119	**14.62.10**	123
11.18.64	69	**13.12.15**	112	**14.07.12**	119	**14.62.11**	123
11.18.67	69	**13.12.22**	113	**14.07.15**	119	**14.62.12**	123
11.20.14	69	**13.12.23**	113	**14.20.10**	121	**14.62.13**	123
11.20.17	69	**13.12.24**	113	**14.23.12**	121	**14.62.14**	123
11.20.64	69	**13.12.25**	113	**14.23.62**	121	**14.62.15**	123
11.20.67	69	**13.12.32**	113	**14.24.10**	120	**14.62.16**	123
11.62.14	70	**13.12.33**	113	**14.24.12**	120	**15.10.08**	124
11.62.15	70	**13.12.34**	114	**14.24.20**	120	**15.10.12**	124
11.62.17	70	**13.12.35**	114	**14.24.22**	120	**15.10.16**	124
11.62.18	70	**13.12.52**	114	**14.25.10**	120	**15.11.08**	124
11.62.64	70	**13.12.53**	114	**14.25.12**	120	**15.11.12**	124
11.62.67	70	**13.12.54**	114	**14.25.20**	120	**15.11.16**	124
11.62.84	70	**13.12.55**	114	**14.25.22**	120	**15.16.07**	124
11.62.87	70	**13.32.03**	115	**14.26.10**	120	**15.16.08**	124
11.70.22	70	**13.32.05**	115	**14.26.12**	120	**15.16.10**	124
11.70.23	70	**13.32.07**	115	**14.26.20**	120	**15.16.12**	124
11.70.24	70	**13.67.23**	115	**14.26.22**	120	**15.17.07**	124
11.70.25	70	**13.67.24**	115	**14.27.10**	120	**15.17.08**	124
12.15.30	71	**13.71.05**	118	**14.27.12**	120	**15.17.10**	124
12.15.31	71	**13.71.08**	118	**14.27.20**	120	**15.17.12**	124
12.15.32	71	**13.71.11**	118	**14.27.22**	120	**15.24.14**	125
12.15.33	71	**13.71.15**	118	**14.30.11**	122	**15.25.14**	125

15.28.14	125	**16.11.16**	130	**17.30.15**	137	**20.07.08**	88
15.29.14	125	**16.11.18**	130	**17.32.16**	137	**20.09.50**	89
15.32.09	125	**16.12.13**	130	**17.32.36**	137	**20.10.01**	89
15.33.09	125	**16.12.14**	130	**17.50.05**	138	**20.10.02**	89
15.34.09	125	**16.12.16**	131	**17.50.08**	138	**20.10.03**	89
15.35.09	125	**16.12.18**	131	**17.50.18**	138	**20.10.04**	89
15.40.12	126	**16.13.13**	130	**17.50.28**	138	**20.10.05**	89
15.41.12	126	**16.13.14**	130	**17.55.08**	139	**20.10.06**	89
15.42.12	126	**16.13.16**	131	**17.55.10**	139	**20.12.10**	89
15.43.12	126	**16.13.18**	131	**17.55.13**	139	**20.12.18**	89
15.44.10	126	**16.40.18**	132	**17.55.15**	139	**20.12.20**	89
15.44.12	126	**16.40.19**	132	**17.55.20**	139	**20.12.25**	90
15.44.22	126	**16.40.21**	132	**17.55.23**	139	**20.12.26**	90
15.44.32	126	**16.40.88**	132	**17.57.83**	139	**20.12.75**	90
15.45.10	126	**16.41.18**	132	**17.65.10**	139	**20.12.85**	90
15.45.12	126	**16.41.19**	132	**17.72.16**	140	**20.15.13**	90
15.45.22	126	**16.41.21**	132	**17.72.18**	140	**20.15.16**	90
15.45.32	126	**16.41.88**	132	**17.72.20**	140	**20.17.08**	91
15.46.12	126	**16.41.89**	132	**17.72.75**	140	**20.17.10**	91
15.46.32	126	**16.46.19**	132	**17.72.76**	140	**20.17.12**	91
15.47.12	126	**16.47.19**	132	**17.72.78**	140	**20.17.14**	91
15.47.32	126	**16.61.19**	129	**17.72.79**	140	**20.17.16**	91
15.50.14	127	**16.85.14**	131	**17.72.80**	140	**20.17.18**	91
15.51.14	127	**16.85.18**	131	**17.72.81**	140	**20.17.28**	91
15.52.14	127	**16.85.20**	131	**17.73.14**	140	**20.17.30**	91
15.53.14	127	**17.02.14**	133	**19.06.13**	141	**20.17.32**	91
15.56.15	127	**17.05.14**	133	**19.06.15**	141	**20.17.34**	91
15.57.15	127	**17.05.19**	133	**19.06.18**	141	**20.17.36**	91
15.58.15	127	**17.06.14**	133	**19.09.17**	141	**20.17.38**	91
15.59.15	127	**17.06.19**	133	**19.16.20**	141	**20.17.90**	90
15.70.14	128	**17.07.60**	134	**19.16.26**	141	**20.22.01**	92
15.70.34	128	**17.07.70**	134	**19.17.20**	141	**20.22.02**	92
15.71.14	128	**17.07.75**	134	**19.17.26**	141	**20.22.03**	92
15.71.34	128	**17.07.77**	134	**19.40.18**	142	**20.22.31**	92
15.72.14	128	**17.08.14**	135	**19.40.20**	142	**20.22.32**	92
15.72.16	129	**17.08.18**	135	**19.40.22**	142	**20.30.12**	92
15.72.34	128	**17.08.20**	135	**19.40.26**	142	**20.30.19**	92
15.72.64	128	**17.08.23**	135	**19.41.18**	142	**20.30.20**	92
15.72.66	129	**17.08.27**	135	**19.41.20**	142	**20.31.13**	92
15.72.74	128	**17.10.19**	136	**19.41.22**	142	**20.31.15**	92
15.73.14	128	**17.11.19**	136	**19.41.26**	142	**20.35.01**	93
15.73.16	129	**17.11.23**	136	**19.50.18**	143	**20.35.02**	93
15.73.34	128	**17.12.19**	136	**19.50.20**	143	**20.40.14**	93
15.73.64	128	**17.12.22**	136	**19.50.24**	143	**20.40.16**	93
15.73.66	129	**17.12.25**	136	**19.51.18**	143	**20.45.14**	93
15.73.74	128	**17.12.27**	136	**19.51.20**	143	**20.45.16**	93
16.10.13	129	**17.12.29**	136	**19.51.24**	143	**20.50.01**	94
16.10.14	129	**17.21.50**	445	**20.05.08**	88	**20.50.02**	94
16.10.16	130	**17.21.51**	445	**20.05.09**	88	**20.50.05**	94
16.10.18	130	**17.21.55**	445	**20.05.25**	88	**20.50.07**	94
16.11.13	129	**17.21.56**	445	**20.05.50**	88	**20.50.10**	94
16.11.14	129	**17.30.14**	137	**20.07.07**	88	**20.52.02**	93

20.52.10	93	**22.34.56**	97	**24.22.13**	108	**26.40.06**	149
20.52.11	93	**22.35.02**	97	**24.22.14**	108	**26.42.03**	149
20.55.13	94	**22.35.03**	97	**24.22.15**	108	**26.42.05**	149
20.55.16	94	**22.35.04**	97	**24.22.16**	108	**26.42.07**	149
20.55.17	94	**22.35.06**	97	**24.22.17**	108	**26.42.14**	147
20.55.26	94	**23.05.10**	100	**24.26.01**	109	**26.42.15**	147
20.55.27	94	**23.05.14**	100	**24.26.02**	109	**26.42.23**	147
20.60.01	95	**23.05.16**	100	**24.26.03**	109	**26.42.24**	147
20.60.02	95	**23.06.10**	102	**24.26.04**	109	**26.42.25**	147
20.60.03	95	**23.06.12**	102	**24.26.05**	110	**26.44.04**	147, 370
20.60.04	95	**23.06.13**	102	**24.26.06**	110	**26.44.22**	150
20.61.01	95	**23.06.16**	102	**24.26.13**	109	**26.44.23**	150
20.61.02	95	**23.07.10**	102	**24.26.14**	109	**26.44.24**	150
20.61.03	95	**23.07.13**	102	**24.30.30**	110	**26.44.25**	150
20.61.04	95	**23.07.16**	102	**24.30.31**	110	**26.44.28**	150
20.64.01	96	**23.25.01**	101	**26.05.21**	144	**26.53.13**	150
20.64.02	96	**23.25.02**	101	**26.05.22**	144	**26.53.23**	150
20.64.03	96	**23.25.03**	101	**26.05.23**	144	**27.02.10**	151
20.64.04	96	**23.25.04**	101	**26.05.41**	144	**27.02.13**	151
20.64.52	95	**23.25.05**	101	**26.05.42**	144	**27.04.20**	151
20.64.53	95	**23.25.06**	101	**26.05.43**	144	**27.04.22**	151
20.65.01	96	**23.25.07**	101	**26.10.10**	145	**27.06.20**	151, 391
20.65.02	96	**23.25.08**	101	**26.10.11**	145	**27.06.21**	151, 391
20.65.03	96	**23.25.09**	101	**26.10.12**	145	**27.10.31**	392
20.65.04	96	**23.25.10**	101	**26.10.13**	145	**27.10.32**	392
20.65.52	95	**23.25.11**	101	**26.10.14**	145	**27.10.33**	392
20.65.53	95	**23.25.12**	101	**26.10.20**	145	**27.57.02**	152
20.66.01	96	**23.33.01**	99	**26.10.21**	145	**27.57.04**	152
20.66.02	96	**23.33.02**	99	**26.10.22**	145	**27.57.06**	152
20.66.03	96	**23.33.03**	99	**26.10.23**	145	**27.57.08**	152
20.66.04	96	**23.33.11**	99	**26.23.04**	146	**27.57.10**	152
20.67.01	96	**23.33.12**	99	**26.24.04**	146	**27.57.12**	152
20.67.02	96	**23.33.13**	99	**26.24.05**	146	**27.57.15**	152
20.67.03	96	**23.40.01**	103	**26.24.07**	146	**27.57.52**	152
20.67.04	96	**23.40.02**	103	**26.29.07**	146	**27.57.54**	152
22.00.06	104	**24.04.05**	107	**26.29.10**	146	**27.57.56**	152
22.00.12	104	**24.04.06**	107	**26.35.01**	146, 365	**27.57.58**	152
22.00.17	104	**24.04.07**	107	**26.35.02**	146, 365	**27.57.60**	152
22.00.25	104	**24.04.08**	107	**26.35.03**	146, 365	**27.57.62**	152
22.09.16	104	**24.05.57**	107	**26.37.01**	149	**27.57.65**	152
22.16.00	106	**24.05.58**	107	**26.37.02**	149	**27.57.90**	152
22.16.13	106	**24.09.09**	107	**26.37.03**	149	**27.57.95**	152
22.16.14	106	**24.09.10**	107	**26.37.07**	149	**27.58.02**	152
22.16.15	106	**24.10.07**	107	**26.37.08**	147	**27.58.04**	152
22.16.16	106	**24.10.08**	107	**26.37.10**	149	**27.58.06**	152
22.34.02	97	**24.10.10**	107	**26.37.12**	147	**27.58.08**	152
22.34.03	97	**24.10.11**	107	**26.39.01**	148	**27.58.10**	152
22.34.04	97	**24.13.10**	107	**26.39.02**	148	**27.58.12**	152
22.34.06	97	**24.13.20**	107	**26.39.09**	148	**27.58.15**	152
22.34.52	97	**24.22.10**	108	**26.39.10**	148	**27.58.52**	152
22.34.53	97	**24.22.11**	108	**26.39.11**	148	**27.58.54**	152
22.34.54	97	**24.22.12**	108	**26.39.12**	148	**27.58.56**	152

27.58.58	152	**27.95.09**	154	**29.40.51**	157	**30.71.03**	161
27.58.60	152	**27.95.11**	154	**29.40.52**	157	**30.76.13**	162
27.58.62	152	**27.95.12**	154	**29.40.53**	157	**30.76.14**	162
27.58.65	152	**27.95.20**	154	**29.40.54**	157	**30.76.17**	162
27.58.90	152	**27.95.21**	154	**29.40.55**	157	**30.76.18**	162
27.58.95	152	**27.95.22**	154	**29.40.56**	157	**30.76.19**	163
27.61.02	153	**28.04.04**	155	**29.51.24**	157	**30.76.29**	163
27.61.03	153	**28.04.06**	155	**29.51.33**	157	**30.79.19**	162
27.61.04	153	**28.04.08**	155	**29.51.42**	157	**30.79.59**	162
27.61.06	153	**28.04.10**	155	**29.51.50**	157	**31.04.02**	163
27.61.08	153	**28.04.12**	155	**29.51.51**	157	**31.04.03**	163
27.61.12	153	**28.05.03**	155	**29.51.52**	157	**31.05.02**	163
27.61.13	153	**28.05.04**	155	**29.51.53**	157	**31.05.03**	163
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63.17.25	269	**66.08.25**	293	**66.25.17**	301	**66.28.71**	311
63.17.35	270	**66.08.27**	293	**66.25.40**	302	**66.28.72**	311
63.17.36	270	**66.08.29**	293	**66.25.45**	302	**66.28.73**	311
63.17.43	270	**66.08.53**	290	**66.25.51**	302	**66.28.74**	311
63.17.44	270	**66.08.55**	290	**66.25.55**	303	**66.28.75**	311
63.17.51	270	**66.08.57**	290	**66.25.57**	310	**66.28.81**	311
63.17.52	270	**66.08.59**	290	**66.25.60**	303	**66.28.82**	311
63.17.61	270	**66.09.01**	290	**66.25.65**	303	**66.28.83**	311
63.17.62	270	**66.09.02**	290	**66.27.11**	301	**66.28.84**	311
63.17.64	270	**66.09.03**	290	**66.27.12**	301	**66.29.00**	314
63.17.65	270	**66.09.41**	290	**66.27.13**	301	**66.29.03**	314
63.65.73	281	**66.09.42**	290	**66.27.52**	310	**66.29.10**	314
63.65.74	281	**66.09.43**	290	**66.27.53**	310	**66.29.11**	314
63.65.75	281	**66.10.20**	295	**66.27.56**	313	**66.29.12**	314
63.65.76	281	**66.10.21**	296	**66.27.57**	313	**66.29.13**	314
63.65.77	281	**66.10.22**	296	**66.27.58**	313	**66.29.14**	314
63.65.78	281	**66.10.23**	296	**66.27.59**	313	**66.29.15**	314
63.65.90	281	**66.15.10**	297	**66.27.61**	312	**66.29.36**	315
63.65.92	281	**66.15.13**	297	**66.27.64**	312	**66.29.37**	315
63.65.94	281	**66.15.20**	297	**66.27.67**	322	**66.29.40**	315
63.89.50	282	**66.15.21**	297	**66.27.68**	322	**66.29.41**	315
63.89.75	282	**66.15.23**	297	**66.28.01**	311	**66.29.56**	316
66.01.10	286	**66.15.40**	298	**66.28.02**	311	**66.29.57**	316
66.01.11	286	**66.15.43**	298, 449	**66.28.03**	311	**66.29.75**	323
66.01.20	286	**66.15.44**	298, 449	**66.28.04**	311	**66.29.76**	323
66.02.01	286	**66.15.45**	298, 449	**66.28.05**	311	**66.29.77**	323
66.02.02	286	**66.20.10**	298	**66.28.06**	321	**66.29.78**	323
66.02.03	286	**66.20.11**	298	**66.28.07**	321	**66.29.80**	316
66.03.01	287	**66.20.25**	299	**66.28.08**	321	**66.29.81**	316
66.03.02	287	**66.20.27**	299	**66.28.11**	311	**66.29.82**	316
66.03.03	287	**66.20.28**	299	**66.28.12**	311	**66.30.10**	317
66.03.51	287	**66.20.30**	299	**66.28.13**	311	**66.30.11**	317
66.03.52	287	**66.20.31**	299	**66.28.14**	311	**66.31.10**	319
66.03.53	287	**66.20.35**	300	**66.28.15**	321	**66.31.11**	319
66.05.01	287	**66.23.10**	309	**66.28.16**	321	**66.31.15**	319
66.05.02	287	**66.23.13**	309	**66.28.17**	321	**66.31.21**	320
66.05.03	287	**66.23.16**	309	**66.28.21**	321	**66.31.22**	320
66.05.31	288	**66.23.19**	309	**66.28.23**	322	**66.31.23**	320
66.05.32	288	**66.23.23**	309	**66.28.24**	322	**66.31.31**	320
66.05.51	288	**66.23.26**	309	**66.28.31**	311	**66.31.32**	320
66.05.52	288	**66.23.29**	309	**66.28.32**	311	**66.31.33**	320
66.05.53	288	**66.23.33**	309	**66.28.33**	311	**66.31.34**	320
66.05.92	288	**66.23.36**	309	**66.28.34**	311	**66.31.40**	323
66.07.00	289	**66.23.39**	309	**66.28.40**	313	**66.31.41**	323
66.07.01	289	**66.25.01**	301	**66.28.41**	313	**66.31.42**	323
66.07.02	289	**66.25.02**	301	**66.28.42**	313	**66.31.43**	323
66.07.03	289	**66.25.03**	301	**66.28.50**	313	**66.31.44**	323
66.08.03	289	**66.25.10**	301	**66.28.51**	313	**66.31.45**	323
66.08.05	289	**66.25.11**	300	**66.28.52**	313	**66.31.60**	322
66.08.07	289	**66.25.12**	300	**66.28.59**	312	**66.32.01**	317
66.08.09	289	**66.25.15**	300	**66.28.60**	312	**66.32.02**	317
66.08.24	293	**66.25.16**	301	**66.28.61**	312	**66.32.03**	317

66.32.04	317	**66.38.41**	337	**66.55.90**	393	**66.60.84**	378
66.32.11	318	**66.38.45**	338	**66.55.95**	393	**66.60.85**	378
66.32.12	318	**66.38.48**	337	**66.58.00**	388	**66.62.33**	379
66.32.13	318	**66.38.50**	338	**66.58.01**	388	**66.62.35**	379
66.32.31	318	**66.38.55**	338	**66.58.02**	388	**66.62.38**	379
66.32.32	318	**66.40.05**	324	**66.58.03**	388	**66.65.10**	105
66.32.33	318	**66.40.20**	324	**66.58.04**	388	**66.69.16**	410-411
66.32.51	344	**66.40.21**	324	**66.58.05**	388	**66.69.20**	283
66.32.52	344	**66.40.22**	324	**66.58.06**	388	**66.69.23**	283
66.32.53	344	**66.40.24**	325	**66.58.10**	389	**66.69.27**	283
66.32.55	346	**66.40.25**	325	**66.58.12**	389	**66.69.30**	283
66.32.56	346	**66.40.26**	325	**66.58.20**	387	**66.69.33**	283
66.32.57	346	**66.50.03**	350	**66.58.36**	389	**66.69.37**	283
66.32.58	343	**66.50.04**	350	**66.58.45**	389	**66.70.01**	408
66.32.59	344	**66.50.05**	350	**66.58.80**	387	**66.70.05**	408
66.32.60	346	**66.50.06**	350	**66.58.87**	390	**66.70.07**	408
66.32.61	346	**66.50.13**	350	**66.58.88**	390	**66.70.10**	283, 412
66.32.62	346	**66.50.14**	350	**66.58.92**	390	**66.70.13**	283, 412
66.32.63	343	**66.50.15**	350	**66.58.94**	390	**66.70.17**	283, 412
66.32.64	344	**66.50.16**	350	**66.59.70**	370	**66.70.20**	412
66.32.65	343	**66.52.05**	350	**66.60.02**	403	**66.70.23**	412
66.32.70	347	**66.52.10**	350	**66.60.03**	403	**66.70.27**	412
66.32.71	347	**66.52.20**	351	**66.60.07**	403	**66.70.30**	412
66.32.72	347	**66.52.55**	351	**66.60.08**	403	**66.70.33**	412
66.32.73	347	**66.52.56**	351	**66.60.10**	404	**66.70.37**	412
66.32.74	347	**66.52.60**	351	**66.60.11**	404	**66.70.40**	412
66.32.75	347	**66.52.70**	351	**66.60.12**	404	**66.70.43**	412
66.32.76	347	**66.52.80**	273	**66.60.13**	404	**66.70.45**	412
66.32.77	347	**66.52.81**	273	**66.60.15**	403	**66.70.47**	412
66.33.00	345	**66.53.01**	364	**66.60.17**	403	**66.70.51**	413
66.33.01	345	**66.53.02**	364	**66.60.21**	404	**66.70.52**	413
66.33.03	345	**66.53.11**	364	**66.60.22**	404	**66.70.54**	413
66.33.04	345	**66.53.12**	364	**66.60.23**	404	**66.70.55**	413
66.33.06	345	**66.53.32**	364	**66.60.24**	404	**66.70.62**	413
66.33.07	345	**66.54.10**	364	**66.60.30**	408	**66.70.63**	413
66.33.09	345	**66.54.15**	365	**66.60.35**	405	**66.70.64**	413
66.33.10	345	**66.54.20**	366	**66.60.41**	405	**66.70.65**	413
66.33.20	346	**66.54.30**	366	**66.60.42**	405	**66.70.67**	413
66.33.21	346	**66.54.40**	367	**66.60.45**	405	**66.70.68**	413
66.33.23	346	**66.54.50**	367	**66.60.46**	405	**67.02.35**	291
66.33.24	346	**66.54.55**	367	**66.60.50**	405	**67.02.55**	291
66.38.10	335	**66.54.60**	377	**66.60.52**	403	**67.02.75**	291
66.38.11	342	**66.54.70**	377	**66.60.61**	403	**67.02.90**	291
66.38.12	342	**66.54.80**	378	**66.60.62**	403	**67.03.50**	291
66.38.15	342	**66.54.90**	378	**66.60.63**	403	**67.03.52**	291
66.38.21	335	**66.54.91**	378	**66.60.66**	403	**67.05.55**	292
66.38.22	335	**66.54.95**	377	**66.60.67**	403	**67.05.56**	292
66.38.31	335	**66.55.44**	393	**66.60.68**	403	**67.05.75**	292
66.38.32	335	**66.55.46**	393	**66.60.71**	406	**67.05.76**	292
66.38.33	336	**66.55.54**	393	**66.60.72**	406	**67.06.55**	292
66.38.34	336	**66.55.56**	393	**66.60.82**	378	**67.06.56**	292
66.38.40	336	**66.55.85**	393	**66.60.83**	378	**67.06.75**	292

67.06.76	292	**67.20.52**	360	**67.35.07**	400	**67.58.13**	348
67.10.20	352	**67.21.15**	361	**67.35.08**	400	**67.58.14**	349
67.10.30	352	**67.21.25**	361	**67.36.08**	397	**67.58.15**	348
67.10.35	352	**67.21.30**	363	**67.36.10**	397	**67.58.33**	348
67.10.40	353	**67.21.33**	361	**67.36.12**	397	**67.58.35**	348
67.10.42	353	**67.21.35**	361	**67.36.15**	397	**67.58.36**	348
67.10.43	353	**67.21.38**	362	**67.36.30**	397	**67.58.40**	306
67.10.45	353	**67.21.39**	362	**67.36.32**	397	**67.58.42**	306
67.10.60	353	**67.21.40**	362	**67.36.34**	397	**67.58.43**	349
67.10.65	353	**67.21.45**	362	**67.36.36**	397	**67.58.45**	348
67.14.15	354	**67.30.04**	398	**67.37.10**	401	**67.58.51**	349
67.14.20	354	**67.30.07**	398	**67.37.12**	401	**67.58.54**	349
67.14.25	354	**67.30.09**	398	**67.37.14**	401	**67.58.60**	349
67.14.30	355	**67.30.12**	398	**67.37.16**	401	**67.58.70**	349
67.14.31	355	**67.30.15**	395	**67.37.20**	401	**67.59.10**	379
67.14.35	355	**67.30.22**	395	**67.37.25**	399	**67.59.11**	379
67.14.50	356	**67.30.34**	395	**67.37.30**	399	**67.59.12**	379
67.14.51	356	**67.30.37**	395	**67.37.35**	399	**67.59.25**	380
67.14.52	356	**67.30.39**	395	**67.38.10**	401	**67.59.26**	380
67.15.35	370	**67.30.42**	395	**67.38.11**	401	**67.59.30**	380
67.15.48	370	**67.30.52**	398	**67.38.12**	401	**67.59.35**	380
67.15.50	371	**67.30.53**	398	**67.40.20**	391	**67.59.36**	380
67.15.51	371	**67.31.16**	398	**67.40.75**	391	**67.59.40**	381
67.15.65	371	**67.31.48**	400	**67.48.10**	327	**67.59.41**	381
67.15.70	371	**67.31.50**	400	**67.49.10**	327	**67.59.42**	381
67.15.75	372	**67.31.52**	400	**67.49.18**	329	**67.59.47**	381
67.15.80	372	**67.31.54**	400	**67.49.20**	329	**67.59.50**	381
67.15.91	372	**67.31.56**	400	**67.50.01**	327	**67.59.60**	381
67.15.93	373	**67.31.58**	400	**67.50.11**	327	**67.59.65**	382
67.15.96	373	**67.31.73**	395	**67.50.13**	327	**67.59.70**	382
67.15.98	373	**67.31.75**	395	**67.50.16**	328	**67.59.71**	382
67.16.21	374	**67.31.86**	396	**67.51.12**	328	**67.60.10**	386
67.16.22	374	**67.32.06**	400	**67.51.14**	329	**67.60.11**	386
67.16.23	374	**67.32.80**	400	**67.51.16**	328	**67.60.12**	386
67.16.43	375	**67.33.03**	399	**67.51.19**	329	**67.60.21**	386
67.16.55	375	**67.33.04**	399	**67.51.64**	329	**67.60.22**	386
67.16.65	375	**67.33.05**	399	**67.52.11**	328	**67.60.51**	383
67.19.70	376	**67.33.06**	399	**67.52.12**	330	**67.60.52**	383
67.19.75	376	**67.33.12**	396	**67.52.16**	330	**67.60.53**	383
67.19.80	376	**67.33.14**	396	**67.53.13**	330	**67.60.54**	383
67.20.03	359	**67.33.16**	396	**67.53.16**	331	**67.60.55**	383
67.20.05	359	**67.34.03**	396	**67.53.23**	331	**67.60.56**	383
67.20.07	359	**67.34.05**	396	**67.53.36**	331	**67.60.60**	384
67.20.10	359	**67.34.22**	397	**67.53.50**	332	**67.60.61**	384
67.20.11	359	**67.34.23**	397	**67.53.51**	332	**67.60.62**	384
67.20.21	359	**67.34.24**	397	**67.53.71**	332	**67.60.63**	384
67.20.22	359	**67.34.27**	397	**67.53.75**	332	**67.60.64**	384
67.20.23	360	**67.34.29**	397	**67.53.77**	331	**67.60.65**	384
67.20.25	360	**67.34.32**	397	**67.53.80**	331	**67.60.90**	386
67.20.44	360	**67.34.33**	396	**67.53.83**	333	**67.61.00**	385
67.20.50	360	**67.34.56**	397	**67.55.63**	333	**67.61.01**	385
67.20.51	360	**67.35.05**	400	**67.57.80**	348	**67.61.03**	385

67.61.10	385	**71.11.50**	416	**71.65.20**	423	**72.10.01**	427
67.61.11	385	**71.11.51**	416	**72.00.01**	424	**72.10.02**	427
67.61.12	385	**71.11.52**	416	**72.00.10**	424	**72.10.03**	427
67.61.13	385	**71.11.53**	416	**72.00.15**	424	**72.20.05**	439
67.61.14	385	**71.11.90**	416	**72.00.18**	424	**72.20.35**	439
67.61.15	385	**71.11.91**	416	**72.00.27**	424	**72.20.40**	439
67.61.16	385	**71.11.92**	416	**72.00.28**	424	**72.20.70**	439
67.61.17	385	**71.11.93**	416	**72.00.35**	424	**72.20.85**	439
67.61.18	385	**71.32.08**	417	**72.00.50**	424	**72.25.01**	76
67.61.19	385	**71.34.10**	418	**72.00.52**	429	**72.25.01**	440
67.65.10	304	**71.34.11**	418	**72.00.56**	429	**72.25.15**	440
67.65.11	304	**71.34.12**	418	**72.00.85**	425	**72.25.20**	440
67.65.12	304	**71.34.13**	418	**72.00.95**	425	**72.25.30**	440
67.65.18	305	**71.34.15**	418	**72.01.01**	425	**72.25.35**	440
67.65.20	305	**71.34.16**	418	**72.01.02**	425	**72.25.37**	441
67.65.24	305	**71.34.60**	418	**72.01.03**	425	**72.25.38**	441
67.65.27	334	**71.34.61**	418	**72.01.15**	425	**72.25.40**	441
67.65.28	334	**71.34.62**	418	**72.01.25**	425	**72.25.45**	441
67.65.29	334	**71.34.63**	418	**72.01.30**	426	**72.40.05**	442
67.65.31	333	**71.34.65**	418	**72.01.40**	426	**72.40.15**	442
67.65.32	333	**71.34.66**	418	**72.01.41**	426	**72.40.18**	443
67.65.33	333	**71.36.10**	417	**72.02.10**	426	**72.40.19**	443
67.65.70	307	**71.36.12**	417	**72.02.15**	426	**72.40.20**	443
67.65.71	307, 308	**71.36.14**	417	**72.02.18**	104	**72.40.21**	443
67.65.72	307	**71.36.16**	417	**72.04.10**	427	**72.40.22**	444
67.65.74	308	**71.36.18**	417	**72.04.20**	427	**72.40.23**	444
67.65.76	308	**71.45.12**	419	**72.05.05**	427	**72.40.50**	444
67.65.80	308	**71.45.13**	419	**72.05.10**	428	**72.40.90**	444
67.90.05	409	**71.45.15**	419	**72.05.15**	428	**72.42.21**	445
67.92.06	409	**71.45.16**	419	**72.05.45**	428	**72.42.22**	445
67.92.09	409	**71.45.17**	419	**72.05.60**	428	**72.42.90**	445
67.92.12	409	**71.47.10**	417	**72.05.61**	428	**72.45.20**	446
67.99.98	150	**71.47.12**	417	**72.05.63**	429	**72.45.25**	446
67.99.99	150	**71.47.14**	417	**72.05.80**	429	**72.45.30**	446
68.01.97	98	**71.47.16**	417	**72.05.81**	429	**72.45.50**	446
68.01.98	98	**71.47.18**	417	**72.07.09**	430	**72.50.05**	447
68.01.99	98	**71.48.11**	419	**72.07.11**	430	**72.50.10**	447
68.25.03	357	**71.48.12**	419	**72.07.13**	430	**72.50.11**	447
68.25.15	357	**71.48.14**	419	**72.07.15**	430	**72.50.25**	448
68.25.17	357	**71.48.17**	419	**72.07.29**	430	**72.50.51**	448
68.25.20	358	**71.50.18**	422	**72.07.31**	430	**72.50.53**	448
68.25.21	358	**71.50.19**	422	**72.07.33**	430	**72.50.95**	449
68.82.31	103	**71.50.50**	420	**72.07.35**	430	**72.50.96**	449
68.82.32	103	**71.50.62**	420	**72.07.49**	430	**72.50.97**	449, 485
68.82.33	103	**71.50.63**	420	**72.07.51**	430	**72.50.98**	449
68.82.49	368	**71.52.12**	421	**72.07.53**	430	**72.50.99**	449
68.82.50	368	**71.52.22**	421	**72.07.55**	430	**72.60.10**	450
68.82.51	368	**71.63.18**	423	**72.08.00**	431	**72.60.19**	450
71.11.10	416	**71.63.20**	423	**72.08.11**	431, 436	**72.60.21**	450
71.11.11	416	**71.63.22**	423	**72.08.12**	431, 436	**72.60.22**	450
71.11.12	416	**71.63.60**	423	**72.08.13**	431, 436	**72.60.23**	450
71.11.13	416	**71.64.23**	423	**72.08.20**	431	**72.65.13**	451

72.65.15	451	**73.16.17**	455	**73.17.60**	465	**73.21.00**	456
72.65.17	451	**73.16.19**	455	**73.17.61**	465	**73.21.01**	456
72.95.10	452	**73.16.20**	455	**73.17.62**	465	**73.21.02**	456
72.95.14	452	**73.16.31**	455	**73.17.63**	465	**73.21.03**	456
72.95.19	452	**73.16.35**	455	**73.17.70**	466	**73.21.04**	456
73.11.04	454	**73.17.01**	460	**73.17.71**	466	**73.21.05**	456
73.11.12	454	**73.17.02**	460	**73.17.72**	466	**73.21.06**	456
73.11.17	454	**73.17.03**	460	**73.17.73**	466	**73.21.07**	457
73.11.20	454	**73.17.04**	460	**73.17.74**	466	**73.21.08**	457
73.11.31	454	**73.17.05**	460	**73.17.75**	466	**73.21.09**	457
73.11.35	454	**73.17.06**	460	**73.17.76**	466	**73.21.10**	457
73.12.04	454	**73.17.07**	460	**73.17.77**	466	**73.21.11**	457
73.12.12	454	**73.17.08**	460	**73.17.80**	470	**73.21.12**	457
73.12.17	454	**73.17.09**	460	**73.17.81**	470	**73.22.00**	458
73.12.20	454	**73.17.10**	460	**73.18.00**	467	**73.22.01**	458
73.12.31	454	**73.17.11**	460	**73.18.01**	467	**73.22.02**	458
73.12.35	454	**73.17.12**	460	**73.18.02**	467	**73.22.03**	458
73.13.04	455	**73.17.13**	460	**73.18.03**	467	**73.22.04**	458
73.13.05	455	**73.17.16**	460	**73.18.04**	467	**73.22.05**	458
73.13.06	455	**73.17.17**	460	**73.18.05**	467	**73.22.06**	458
73.13.12	455	**73.17.18**	460	**73.18.06**	467	**73.22.07**	458
73.13.14	455	**73.17.20**	461	**73.18.07**	467	**73.22.08**	458
73.13.17	455	**73.17.21**	461	**73.18.08**	467	**73.22.09**	458
73.13.19	455	**73.17.22**	461	**73.18.09**	467	**73.22.10**	458
73.13.20	455	**73.17.23**	461	**73.18.10**	467	**73.22.30**	459
73.13.31	455	**73.17.24**	461	**73.18.11**	467	**73.22.31**	459
73.13.35	455	**73.17.25**	461	**73.19.00**	456	**73.22.32**	459
73.14.04	455	**73.17.26**	461	**73.19.01**	456	**73.22.33**	459
73.14.05	455	**73.17.27**	462	**73.19.02**	456	**73.22.40**	459
73.14.06	455	**73.17.28**	462	**73.19.03**	456	**73.22.41**	459
73.14.12	455	**73.17.29**	462	**73.19.04**	456	**73.22.42**	459
73.14.14	455	**73.17.30**	462	**73.19.05**	456	**73.22.43**	459
73.14.17	455	**73.17.31**	462	**73.19.06**	456	**73.22.50**	459
73.14.19	455	**73.17.32**	462	**73.19.07**	457	**73.22.51**	459
73.14.20	455	**73.17.33**	463	**73.19.08**	457	**73.22.52**	459
73.14.31	455	**73.17.34**	463	**73.19.09**	457	**73.22.53**	459
73.14.35	455	**73.17.35**	463	**73.19.10**	457	**73.22.60**	459
73.15.04	455	**73.17.36**	463	**73.19.11**	457	**73.22.61**	459
73.15.05	455	**73.17.37**	463	**73.19.12**	457	**73.22.62**	459
73.15.06	455	**73.17.38**	463	**73.20.00**	456	**73.22.63**	459
73.15.12	455	**73.17.40**	464	**73.20.01**	456	**73.29.29**	454
73.15.14	455	**73.17.41**	464	**73.20.02**	456	**73.30.00**	468
73.15.17	455	**73.17.42**	464	**73.20.03**	456	**73.30.02**	468
73.15.19	455	**73.17.43**	464	**73.20.04**	456	**73.30.03**	468
73.15.20	455	**73.17.44**	464	**73.20.05**	456	**73.30.10**	468
73.15.31	455	**73.17.45**	464	**73.20.06**	456	**73.30.11**	468
73.15.35	455	**73.17.50**	465	**73.20.07**	457	**73.30.12**	468
73.16.04	455	**73.17.51**	465	**73.20.08**	457	**73.30.13**	468
73.16.05	455	**73.17.52**	465	**73.20.09**	457	**73.30.20**	468
73.16.06	455	**73.17.53**	465	**73.20.10**	457	**73.30.21**	468
73.16.12	455	**73.17.54**	465	**73.20.11**	457	**73.30.22**	468
73.16.14	455	**73.17.55**	465	**73.20.12**	457	**73.30.23**	468

73.30.25	468	**73.43.69**	481	**73.48.26**	487	**73.69.50**	501
73.30.40	469	**73.43.70**	481	**73.48.28**	487	**73.70.15**	502
73.30.41	469	**73.43.71**	481	**73.48.30**	487	**73.70.16**	502
73.30.42	469	**73.43.72**	481	**73.48.92**	487	**73.71.15**	502
73.30.43	469	**73.43.76**	481	**73.48.94**	487	**73.72.32**	502
73.30.44	469	**73.44.01**	482	**73.48.96**	487	**73.72.33**	502
73.30.45	469	**73.44.06**	482	**73.48.98**	487	**74.00.01**	474
73.30.65	468	**73.44.08**	482	**73.49.25**	488	**74.00.02**	474
73.30.80	469	**73.44.10**	482	**73.49.30**	488	**74.00.03**	474
73.30.82	470	**73.44.13**	482	**73.49.35**	488	**74.00.04**	474
73.30.85	470	**73.44.14**	482	**73.49.45**	488	**74.00.05**	474
73.40.10	479	**73.44.20**	482	**73.49.71**	489	**74.00.06**	474
73.41.20	479	**73.44.22**	482	**73.49.75**	489	**74.00.07**	474
73.41.30	479	**73.44.23**	482	**73.49.77**	489	**74.00.12**	471
73.41.40	479	**73.44.27**	482	**73.49.79**	489	**74.00.17**	471
73.41.50	479	**73.44.34**	482	**73.50.54**	496	**74.00.18**	471
73.41.60	479	**73.44.35**	482	**73.50.55**	496	**74.00.20**	471
73.42.20	479	**73.46.01**	483	**73.50.56**	496	**74.00.31**	474
73.42.30	479	**73.46.02**	483	**73.50.57**	496	**74.00.32**	474
73.42.40	479	**73.46.03**	483	**73.50.58**	496	**74.00.33**	474
73.42.50	479	**73.46.04**	483	**73.50.59**	496	**74.00.34**	474
73.42.60	479	**73.46.15**	483	**73.50.60**	496	**74.00.35**	474
73.42.82	479	**73.46.16**	483	**73.50.61**	496	**74.00.36**	474
73.42.92	479	**73.46.18**	484	**73.50.62**	496	**74.00.37**	474
73.43.01	480	**73.46.57**	484	**73.50.63**	496	**74.01.01**	475
73.43.03	480	**73.46.60**	484	**73.57.54**	497	**74.01.02**	475
73.43.05	480	**73.46.70**	485	**73.57.55**	497	**74.01.03**	474
73.43.06	480	**73.47.06**	486	**73.57.56**	497	**74.01.04**	474
73.43.08	480	**73.47.08**	486	**73.57.57**	497	**74.01.05**	474
73.43.10	480	**73.47.10**	486	**73.57.58**	497	**74.01.06**	475
73.43.13	480	**73.47.12**	486	**73.57.59**	497	**74.01.07**	475
73.43.14	480	**73.47.14**	486	**73.57.60**	497	**74.01.08**	475
73.43.15	480	**73.47.16**	486	**73.57.61**	497	**74.01.10**	471
73.43.18	480	**73.47.18**	486	**73.57.62**	497	**74.01.11**	471
73.43.19	480	**73.47.20**	486	**73.57.63**	497	**74.01.12**	471
73.43.20	480	**73.47.22**	486	**73.60.58**	497	**74.35.20**	472
73.43.22	480	**73.47.24**	486	**73.60.59**	497	**74.40.05**	87
73.43.23	480	**73.47.26**	486	**73.60.60**	497	**74.40.06**	87
73.43.27	480	**73.47.28**	486	**73.60.61**	497	**74.40.07**	87
73.43.31	480	**73.47.30**	486	**73.60.62**	497	**74.40.08**	87
73.43.34	480	**73.47.50**	486	**73.60.63**	497	**74.40.09**	87
73.43.35	480	**73.47.55**	486	**73.64.70**	497	**74.40.10**	87
73.43.37	481	**73.48.06**	487	**73.65.15**	498	**74.45.10**	477
73.43.40	481	**73.48.08**	487	**73.65.32**	498	**74.45.11**	477
73.43.50	481	**73.48.10**	487	**73.65.33**	498	**74.45.20**	477
73.43.51	481	**73.48.12**	487	**73.65.40**	499	**74.45.21**	477
73.43.61	481	**73.48.14**	487	**73.65.64**	499	**74.45.40**	477
73.43.62	481	**73.48.16**	487	**73.66.01**	499	**74.46.10**	477
73.43.63	481	**73.48.18**	487	**73.66.02**	499	**74.46.21**	477
73.43.66	481	**73.48.20**	487	**73.66.03**	499	**74.47.10**	476
73.43.67	481	**73.48.22**	487	**73.66.04**	499	**74.47.11**	476
73.43.68	481	**73.48.24**	487	**73.69.00**	500	**74.47.12**	476

74.47.13	476	**74.76.85**	491	**74.83.87**	493	**87.31.63**	513
74.47.14	476	**74.76.87**	491	**74.83.97**	493	**87.31.64**	513
74.47.15	476	**74.76.95**	491	**74.88.07**	493	**87.31.65**	513
74.47.20	476	**74.76.97**	491	**74.88.27**	493	**87.31.67**	514
74.47.21	476	**74.78.05**	491	**74.88.57**	493	**87.31.68**	514
74.47.25	476	**74.78.07**	491	**74.88.87**	493	**87.31.69**	514
74.47.27	476	**74.78.25**	491	**74.88.97**	493	**87.31.71**	514
74.47.28	477	**74.78.27**	491	**77.60.49**	214	**87.31.73**	514
74.47.30	477	**74.78.55**	491	**78.05.00**	356	**87.32.00**	506
74.47.35	477	**74.78.57**	491	**87.02.18**	515	**87.32.02**	506
74.47.37	477	**74.78.85**	491	**87.02.21**	515	**87.32.04**	506
74.47.40	477	**74.78.87**	491	**87.02.25**	515	**87.32.06**	506
74.47.42	477	**74.78.95**	491	**87.02.68**	516	**87.32.08**	506
74.47.90	477	**74.78.97**	491	**87.02.71**	516	**87.32.10**	506
74.69.72	472, 474	**74.79.05**	491	**87.02.75**	516	**87.32.12**	506
74.69.73	472, 474	**74.79.07**	491	**87.05.18**	515	**87.32.14**	506
74.70.05	490	**74.79.25**	491	**87.05.21**	515	**87.32.16**	507
74.70.07	490	**74.79.27**	491	**87.05.25**	515	**87.32.18**	502
74.70.25	490	**74.79.55**	491	**87.05.68**	516	**87.32.20**	507
74.70.27	490	**74.79.57**	491	**87.05.71**	516	**87.32.22**	507
74.70.55	490	**74.79.85**	491	**87.05.75**	516	**87.32.24**	507
74.70.57	490	**74.79.87**	491	**87.06.18**	515	**87.32.26**	507
74.70.85	490	**74.79.95**	491	**87.06.19**	515	**87.32.28**	507
74.70.87	490	**74.79.97**	491	**87.06.68**	516	**87.32.30**	507
74.70.95	490	**74.80.05**	492	**87.06.69**	516	**87.32.32**	508
74.70.97	490	**74.80.07**	492	**87.30.12**	505	**87.32.34**	508
74.72.05	490	**74.80.25**	492	**87.30.17**	505	**87.32.36**	508
74.72.07	490	**74.80.27**	492	**87.30.20**	505	**87.32.38**	508
74.72.25	490	**74.80.55**	492	**87.30.25**	505	**87.33.00**	506
74.72.27	490	**74.80.57**	492	**87.30.35**	505	**87.33.02**	506
74.72.55	490	**74.80.85**	492	**87.30.38**	505	**87.33.04**	506
74.72.57	490	**74.80.87**	492	**87.30.39**	508	**87.33.06**	506
74.72.85	490	**74.80.95**	492	**87.30.45**	505	**87.33.08**	506
74.72.87	490	**74.80.97**	492	**87.30.50**	505	**87.33.10**	506
74.72.95	490	**74.81.07**	492	**87.30.60**	505	**87.33.12**	506
74.72.97	490	**74.81.27**	492	**87.30.65**	505	**87.33.14**	506
74.73.05	491	**74.81.57**	492	**87.30.70**	505	**87.33.16**	507
74.73.07	491	**74.81.87**	492	**87.30.72**	505	**87.33.18**	507
74.73.25	491	**74.81.97**	492	**87.30.74**	505	**87.33.20**	507
74.73.27	491	**74.82.05**	493	**87.30.76**	505	**87.33.24**	507
74.73.55	491	**74.82.07**	493	**87.30.85**	505	**87.33.26**	507
74.73.57	491	**74.82.25**	493	**87.30.90**	505	**87.33.28**	507
74.73.85	491	**74.82.27**	493	**87.30.96**	523	**87.33.30**	507
74.73.87	491	**74.82.55**	493	**87.31.32**	512	**87.33.32**	508
74.73.95	491	**74.82.57**	493	**87.31.37**	512	**87.33.34**	508
74.73.97	491	**74.82.85**	493	**87.31.42**	512	**87.33.50**	509
74.76.05	491	**74.82.87**	493	**87.31.45**	512	**87.33.51**	509
74.76.07	491	**74.82.95**	493	**87.31.48**	512	**87.33.52**	509
74.76.25	491	**74.82.97**	493	**87.31.54**	512	**87.33.53**	509
74.76.27	491	**74.83.07**	493	**87.31.56**	513	**87.33.70**	504
74.76.55	491	**74.83.27**	493	**87.31.57**	513	**87.33.71**	504
74.76.57	491	**74.83.57**	493	**87.31.62**	513	**87.33.72**	504

87.33.75	504	**88.17.05**	517	**203.03.14**	29	**204.33.61**	14
87.33.76	504	**88.17.06**	517	**203.04.13**	29	**204.33.64**	23
87.33.77	504	**88.17.07**	517	**203.04.14**	29	**204.33.68**	23
87.33.80	504	**88.17.08**	517	**203.05.13**	29	**204.34.14**	22
87.33.81	504	**88.17.16**	517	**203.05.14**	29	**204.34.18**	22
87.34.00	510	**88.17.18**	517	**203.06.13**	30	**204.34.64**	22
87.34.01	510	**88.17.25**	517	**203.06.14**	30	**204.34.68**	22
87.34.02	510	**88.17.26**	517	**203.07.14**	30	**204.35.14**	22
87.34.10	510	**88.20.05**	518	**203.50.14**	19	**204.35.18**	22
87.34.11	510	**88.20.06**	518	**203.50.17**	19	**204.35.64**	22
87.34.12	510	**88.20.07**	518	**203.50.64**	19	**204.35.68**	22
87.34.15	511	**88.20.08**	518	**203.50.67**	19	**204.36.18**	23
87.34.16	511	**88.20.16**	518	**203.51.14**	19	**204.36.20**	23
87.34.20	511	**88.20.18**	518	**203.51.17**	19	**204.36.68**	23
87.34.21	511	**88.20.25**	518	**203.51.64**	19	**204.36.70**	23
87.34.25	511	**88.20.26**	518	**203.51.67**	19	**204.37.18**	24
87.34.26	511	**88.67.05**	519	**203.56.15**	21	**204.37.20**	24
87.34.27	511	**88.67.06**	519	**203.56.17**	21	**204.50.15**	16
88.00.20	523	**88.70.05**	519	**203.56.65**	21	**204.51.15**	16
88.00.21	523	**88.70.06**	519	**203.56.67**	21	**204.54.16**	17
88.00.22	523	**88.70.16**	519	**203.56.86**	20	**204.54.66**	17
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