

MEDICON eG · GERMANY · 47° 57' 31.4" N · 8° 46' 58.6" E



neuro CRANIALIS

Instrumente für die kraniale Neurochirurgie
Instruments for Cranial Neurosurgery
Instrumentos para la neurocirugía craneal
Instruments pour la neurochirurgie crânienne
Strumenti per la neurochirurgia cranica

medicon[®]





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Instrumentos para la neurocirugía craneal
Instruments pour la neurochirurgie crânienne
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Die Entwicklung, Herstellung und der Vertrieb chirurgischer Instrumente und Implantate haben bei uns eine jahrzehntelange Tradition. In unseren 11 Mitgliedsbetrieben werden über 35.000 verschiedene Artikel für die Humanmedizin gefertigt.

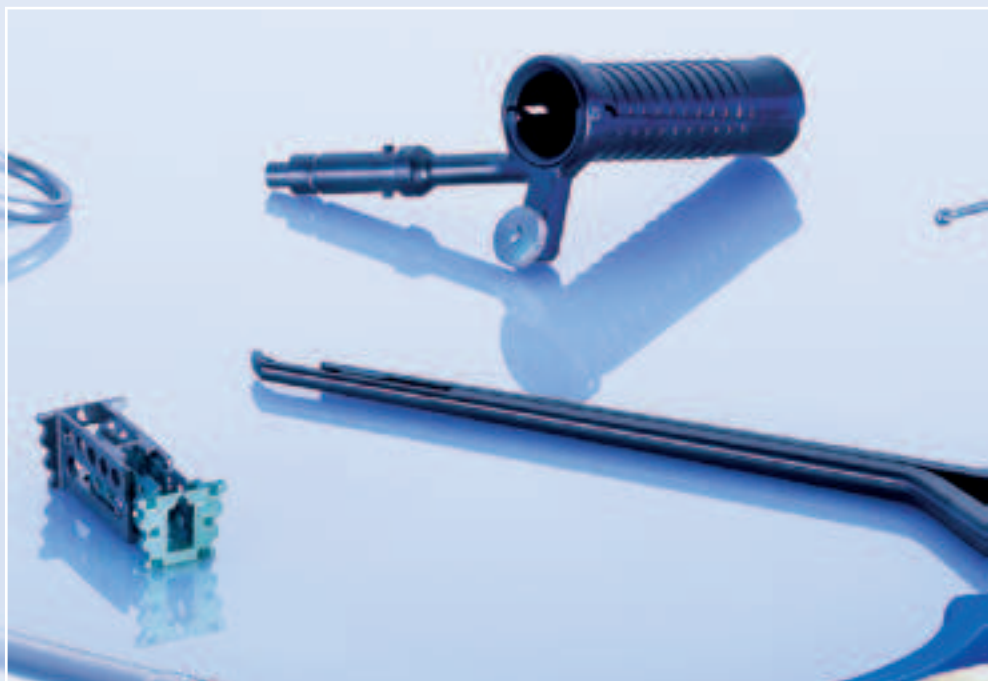
Wir haben es uns zur Aufgabe gemacht, Chirurgen und OP-Personal der Neurochirurgie mit innovativen Implantaten und Instrumenten zu versorgen, welche die Fortschritte der operativen Behandlung unterstützen.

Mit Verantwortung und Engagement bündeln wir unsere Aktivitäten in drei Kernkompetenzen.

Our company has decades of experience in developing, manufacturing and selling surgical instruments and implants. Our 11 member companies produce over 35,000 different items for human medicine.

We have made it our goal to supply surgeons and surgical personnel in Neurosurgery with innovative implants and instruments, which support the progress in surgical treatment.

With responsibility and commitment, we focus our activities on three core competences.



El desarrollo, la fabricación y la distribución de implantes e instrumentos quirúrgicos representa para nosotros décadas de tradición. En los talleres de nuestros 11 socios se fabrican más de 35.000 artículos diferentes para la medicina humana.

Nos hemos propuesto la tarea de abastecer a cirujanos y a personal de quirófano de la neurocirugía con innovadores implantes e instrumentos que respaldan el progreso del tratamiento quirúrgico.

Con responsabilidad y compromiso, centramos nuestra actividad en tres competencias básicas.

Le développement, la fabrication et la vente d'instruments chirurgicaux et d'implants ont une tradition longue depuis plusieurs décennies chez Medicon.

Nos 11 entreprises membres produisent plus de 35.000 articles différents dans le secteur de la médecine.

Nous nous sommes fixés pour objectif de fournir aux chirurgiens et au personnel opératoire actifs dans le secteur de la neurochirurgie des implants et instruments novateurs suivant les progrès du traitement opératoire.

Avec conscience et engagement, nous regroupons nos activités dans trois compétences majeures.

Lo sviluppo, la produzione e la distribuzione di strumenti chirurgici e impianti hanno da noi una tradizione pluridecennale.

Nelle nostre 11 aziende associate, vengono fabbricati oltre 35.000 diversi articoli per la medicina umana.

Il compito che ci siamo proposti è quello di fornire ai chirurghi e al personale di sala operatoria di neurochirurgia impianti e strumenti innovativi che supportano i progressi del trattamento chirurgico.

Con responsabilità e impegno riuniamo le nostre attività in tre competenze di base.



III CMF

Das Kompetenzfeld **CMF** kombiniert unsere modular aufgebauten Systeme für die Distraction und Osteosynthese in der kranio-maxillo-fazialen Chirurgie mit anwendungs-optimierten Lösungen und intuitiver Bedienbarkeit zu einem zukunfts-orientierten Konzept.

The competence field **CMF** combines our modular systems for distraction and osteosynthesis in Cranio-Maxillofacial surgery with application-optimised solutions and intuitive operation to produce a forward-looking concept.

II SURGICAL

Das Kompetenzfeld **SURGICAL** vernetzt unsere mehr als siebenjährige Erfahrung als Medizintechnik-Unternehmen mit weit über 35.000 Produkten, die nahezu alle Indikationen der einzelnen chirurgischen Fachbereiche abdecken.

The competence field **SURGICAL** links our more than seventy years of experience as a medical technology company with over 35,000 products covering nearly all indications of the individual surgical specialty fields.

III NEURO+SPINE

Das Kompetenzfeld **NEURO+SPINE** konzentriert sich auf unser Produkt-Portfolio von qualitativ hochwertigen Instrumenten und innovativen Implantaten für die Neurochirurgie mit dem Fokus der produktbezogenen Spezialisierung als Grundlage einer transparenten Vertriebsstrategie.

The competence field **NEURO+SPINE** focuses on our product portfolio of high-quality instruments and innovative implants for Neurosurgery with the main emphasis on product-related specialisation as a basis for a transparent sales strategy.

El área de especialización **CMF** combina nuestro sistema modular para la distensión y osteosíntesis en la cirugía cráneo-maxilofacial con soluciones orientadas a la aplicación y un manejo intuitivo para desarrollar un concepto enfocado hacia el futuro.

Le domaine de compétence **CMF** associe nos systèmes modulaires utilisés pour la distraction et ostéosynthèse en chirurgie crânio-maxillo-faciale à des solutions d'application optimisées et à une manipulation intuitive. Le résultat: Un concept d'avenir.

L'area di competenza **CMF** associa i nostri sistemi componibili per la distrazione e la osteosintesi nella chirurgia cranio-maxillo-facciale a soluzioni ottimizzate nell'applicazione e manipolazione intuitiva, per un concetto orientato al futuro.

El área de especialización **SURGICAL** fusiona nuestros más de 70 años de experiencia como empresa de tecnología médica con más de 35.000 productos que cubren casi todas las indicaciones de cada una de las disciplinas quirúrgicas.

Le domaine de compétence **SURGICAL** allie notre expérience de plus de 70 années dans le secteur des techniques médicales à plus de 35.000 produits, couvrant la quasi-totalité des indications de la chirurgie actuelle.

L'area di competenza **SURGICAL** collega la nostra ultrasettantennale esperienza aziendale nel campo della tecnica medica con oltre 35.000 prodotti che soddisfano quasi tutte le indicazioni delle singole aree di specializzazione chirurgiche.

El área de especialización **NEURO+SPINE** se centra en nuestra cartera de productos de instrumentos de alta calidad e implantes innovadores para la neurocirugía considerando la especialización relacionada con los productos como base de una estrategia de ventas transparente.

Le domaine de compétence **NEURO+SPINE** se concentre sur notre gamme d'instruments de grande qualité et d'implants novateurs pour la neurochirurgie, avec une spécialisation sur les produits comme base d'une stratégie de vente transparente.

L'area di competenza **NEURO+SPINE** si concentra sul nostro portfolio di strumenti di alta qualità e impianti innovativi per la neurochirurgia, e si propone come focus la specializzazione del prodotto come base di una trasparente strategia di distribuzione.

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**Standardinstrumente
Basic Instruments
Instrumentos básicos
Instruments de base
Strumenti di base**

A

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Instruments for Cranial Neurosurgery
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Strumenti per la neurochirurgia cranica**

B

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Set Suggestions
Proposiciones de juegos
Propositions pour boîtes
Proposte di set**

C

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Alphabetical and Numerical Index
Indice alfabético y numérico
Index alphabétique et numérique
Indice alfabetico e numerico**

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D

Alphabetischer und numerischer Index
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Hinweise
Indications
Indicaciones
Indications
Indicazioni

Unsere Instrumenten-Abbildungen haben eine Größe von 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.

In general the instrument illustrations are scaled to be 50 % of actual size. If other scales are used they are indicated (for example 1:1). The corresponding detailed tip illustrations are shown in actual size (100 %). The stated measurements may have a slight variation in permissible tolerances due to minor variations in manufacturing conditions.

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

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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)

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

1:1


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

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

50 % = 7 cm

Mayo

Artikelnummer
 Item number
 Número de artículo
 Référence
 Codice

An anatomical illustration of the brain and cranial nerves. The brain is shown in a light brown color, with various lobes and sulci clearly visible. The cranial nerves are depicted in various colors, including purple, blue, and orange, and are shown extending from the brain. The background is dark, making the brain and nerves stand out.

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Skalpellsklingen und Skalpellsgriffe
Scalpel Blades and Scalpel Handles
Hojas de bisturí y mangos de bisturí
Lames de bistouris et manches pour bistouris
Lame per bisturi e manici per bisturi

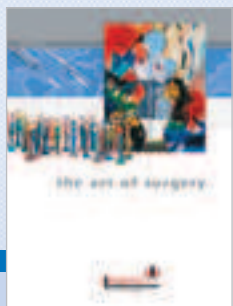
A01



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



450.00.03



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Skalpellsklingen und Skalpellsgriffe
Scalpel Blades and Scalpel Handles
Hojas de bisturí y mangos de bisturí
Lames de bistouris et manches pour bistouris
Lame per bisturi e manici per bisturi

A01



1:1

 **STERILE**




Fig. 10 **01.22.10** P₁₀₀




Fig. 11 **01.22.11** P₁₀₀




Fig. 12 **01.22.12** P₁₀₀




Fig. 12d **01.22.32** P₁₀₀




Fig. 15 **01.22.15** P₁₀₀




Fig. 15c **01.22.35** P₁₀₀




12,5 cm – 5" **01.27.03** no. 3




15,5 cm – 6 1/8" **01.27.40**



16,5 cm – 6 1/2" **01.27.07** no. 7

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 Produit à usage unique
 Prodotto monouso

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 Paquete de "X" unidades
 Emballage de "X" pièces
 Confezione da "X" pezzi

Skalpellklingen und Skalpellgriffe
Scalpel Blades and Scalpel Handles
Hojas de bisturí y mangos de bisturí
Lames de bistouris et manches pour bistouris
Lame per bisturi e manici per bisturi

A01

1:1

STERILE





Fig. 20 **01.22.20** P 





Fig. 21 **01.22.21** P 








Fig. 25 **01.22.25** P 



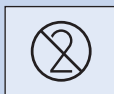
13,5 cm – 5 $\frac{3}{8}$ " **01.28.04** no. 4



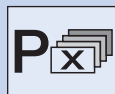
21 cm – 8 $\frac{1}{4}$ " **01.28.14** no. 4L



22,5 cm – 9" **01.28.45**



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Skalpellklingen und Skalpellgriffe
Scalpel Blades and Scalpel Handles
Hojas de bisturí y mangos de bisturí
Lames de bistouris et manches pour bistouris
Lame per bisturi e manici per bisturi

A01



1:1




Fig. 62 **01.30.62** P₁₂




Fig. 64 **01.30.64** P₁₂




Fig. 65 **01.30.65** P₁₂




Fig. 67 **01.30.67** P₁₂







Fig. 69 **01.30.69** P₁₂

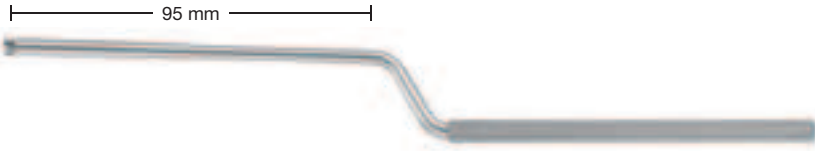
 **STERILE**



15,5 cm – 6 1/8" **01.30.36**

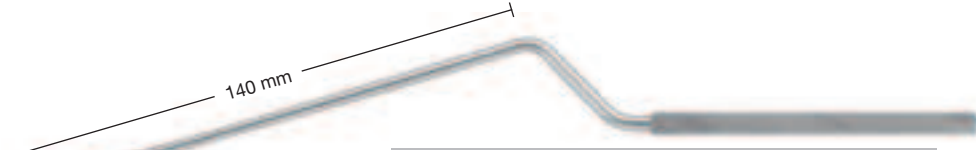


18 cm – 7 1/8" **01.30.37**



95 mm

21 cm – 8 1/4" **01.27.21** Landolt

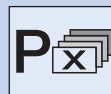


140 mm

25 cm – 10" **01.27.25** Landolt



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



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

Von "standard" bis "magic cut" – alle Scheren werden von fachkundigen Chirurgiemechnikern hergestellt. Sie werden für dauerhafte Leistung sorgfältig gehärtet und qualitätsgerecht geprüft.

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.

Desde tijeras "standard" hasta "magic cut" – todas las tijeras son fabricadas por expertos competentes. Las tijeras son templadas e investigadas respecto la calidad para un durable rendimiento.

De "standard" à "magic cut" – tous les ciseaux sont fabriqués par des mécaniciens de chirurgie compétents. Ils sont trempés soigneusement afin d'obtenir une performance durable et passent un contrôle de qualité.

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.



451.03.23



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



A02

Farbcodierung
Color Coding
Codificación de color
Codage de couleur
Codice colore

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

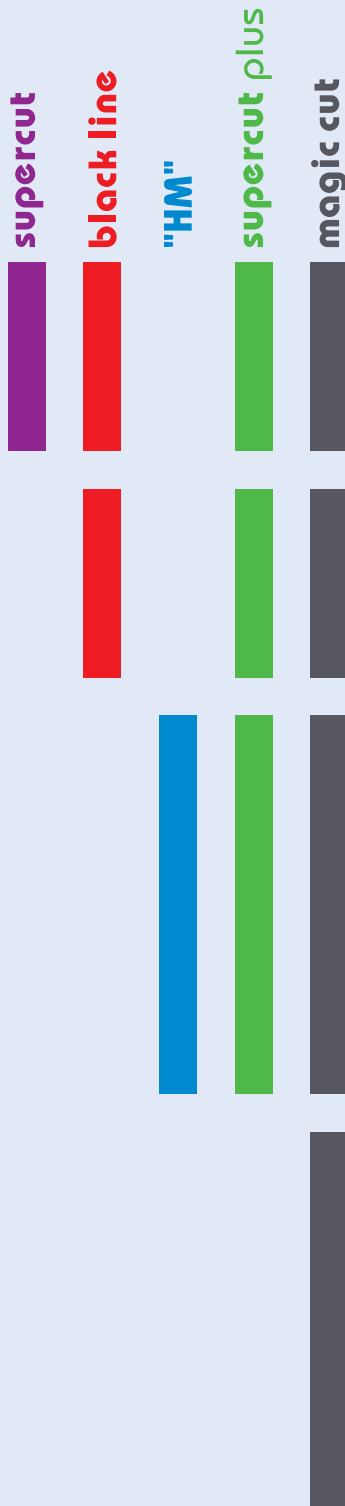
Goldene Schraube und goldene Ringgriffe
 Golden screw and golden rings
 Tornillo dorado y anillos dorados
 Vis dorée et anneaux dorés
 Vite dorata e anelli dorati



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





Messerschliff und Mikroverzahnung: 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, minimamente traumatizzante

Zusätzlicher Anschlag einer Blattrückseite: Bessere Sicht · Präzise Präparation
Reduction of the transversal cut: Better visibility · Precise dissection
Reducción del corte transversal: Visión 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 tungsteno con el acero
Lames soudées d'un alliage de carbure de tungstène: Jointure sans trace, homogène et résistante à la corrosion du carbure de tungstène avec l'acier des ciseaux
Lame saldate al carburo di tungsteno: Congiunzione senza saldature, omogenea e resistente alla corrosione del carburo di tungsteno e all'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

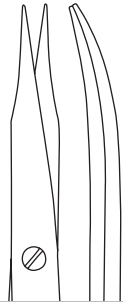


Feine Schere und chirurgische Scheren
Delicate Scissors and Operating Scissors
Tijera fina y tijeras quirúrgicas
Ciseaux délicat et ciseaux chirurgicaux
Forbice delicata e forbici chirurgiche

A02

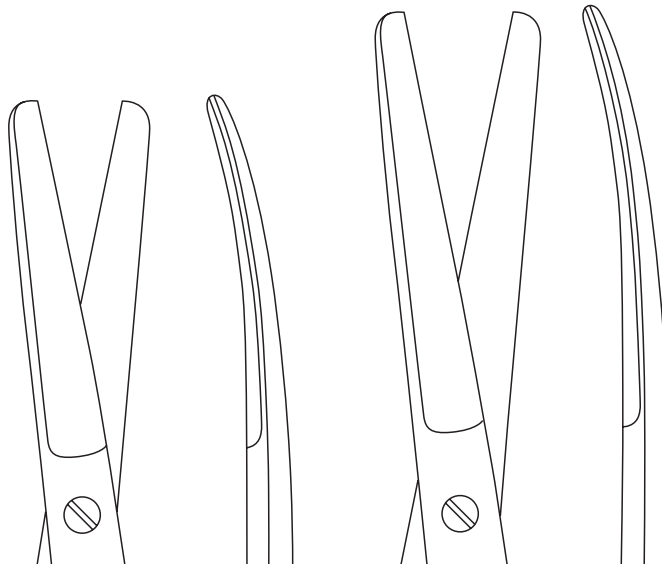


Feine Schere
 Delicate scissors
 Tijera fina
 Ciseaux délicat
 Forbice delicata



13 cm – 5 1/8"	
02.50.45	standard

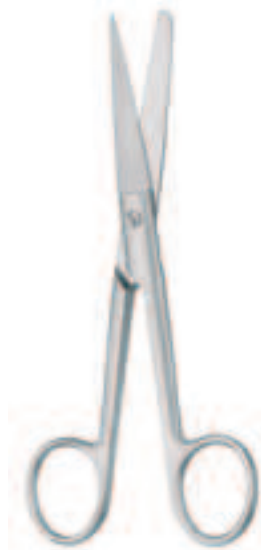
Chirurgische Scheren
 Operating scissors
 Tijeras quirúrgicas
 Ciseaux chirurgicaux
 Forbici chirurgiche



14,5 cm – 5 3/4"	14,5 cm – 5 3/4"	16,5 cm – 6 1/2"	16,5 cm – 6 1/2"	
03.02.14	03.03.14	03.02.16	03.03.16	standard
203.02.14	203.03.14	203.02.16	203.03.16	supercut
213.02.14	213.03.14			black line
03.02.64	03.03.64			"HM"

Chirurgische Scheren
Operating Scissors
Tijeras quirúrgicas
Ciseaux chirurgicaux
Forbici chirurgiche

A02



14,5 cm – 5¾"	14,5 cm – 5¾"	16,5 cm – 6½"	16,5 cm – 6½"	
03.06.14	03.07.14	03.06.16	03.07.16	standard
203.06.14	203.07.14	203.06.16		supercut
213.06.14	213.07.14			black line
03.06.64	03.07.64			"HM"



14,5 cm – 5¾"	14,5 cm – 5¾"	16,5 cm – 6½"	16,5 cm – 6½"	
03.04.14	03.05.14	03.04.16	03.05.16	standard
203.04.14	203.05.14			supercut
213.04.14	213.05.14			black line
03.04.64	03.05.64			"HM"



Chirurgische Scheren
Operating Scissors
Tijeras quirúrgicas
Ciseaux chirurgicaux
Forbici chirurgiche

A02



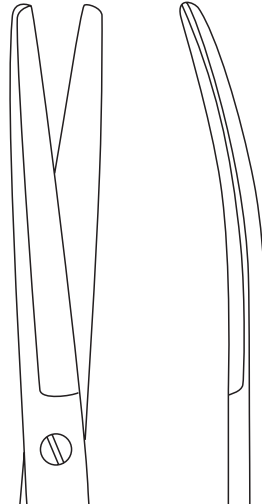
14,5 cm – 5¾"	14,5 cm – 5¾"	
03.04.84	03.05.84	standard



14,5 cm – 5¾"	14,5 cm – 5¾"	
03.06.84	03.07.84	standard

Chirurgische Scheren
Operating Scissors
Tijeras quirúrgicas
Ciseaux chirurgicaux
Forbici chirurgiche

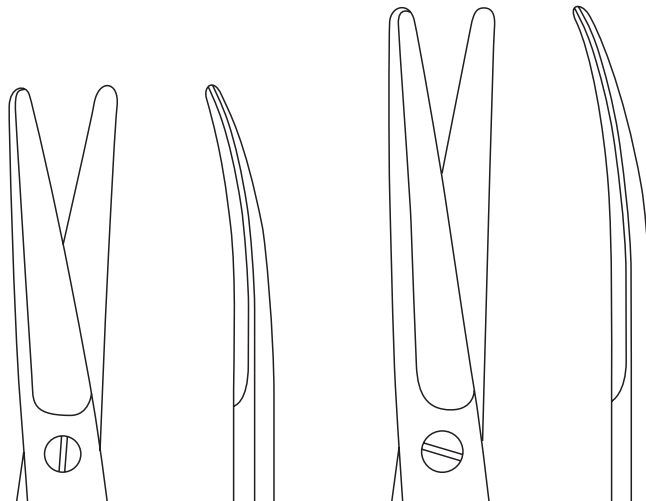
A02



14,5 cm – 5¾"	14,5 cm – 5¾"	
03.02.84	03.03.84	standard



Mayo



14,5 cm – 5¾"	14,5 cm – 5¾"	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

**A02**

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

21
8
20
19
18
7
17
16
6
15
14
5
13
12
4
11
10
3
9
8
7
3
6
2
5
4
1
3
2
1
cm | inch

**Greenberg PAR**

11,5 cm – 4½"	
204.13.62	supercut plus
224.13.62	magic cut

**Shea**

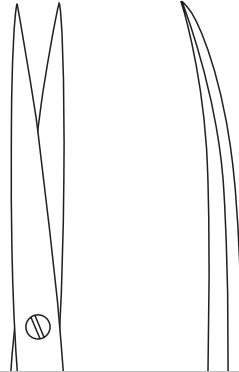
12 cm – 4¾"	
04.13.12	standard
204.13.12	supercut
214.13.12	black line

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

A02



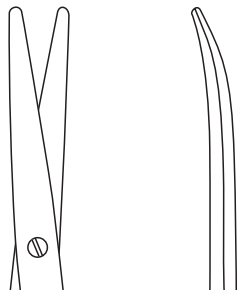
"slim"



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



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

**A02**

Präparierscheren
Dissecting Scissors
Tijeras para disección
Ciseaux pour dissection
Forbici per dissezione

21
8
20
19
7
18
17
6
16
15
14
5
13
12
4
11
10
3
9
8
7
6
5
2
4
3
1
2
1
cm inch

**Metzenbaum**

14 cm – 5½"	18 cm – 7⅛"	20 cm – 8"	
04.32.14	04.32.18	04.32.20	standard
204.32.14	204.32.18	204.32.20	supercut
214.32.14	214.32.18	214.32.20	black line
04.32.64	04.32.68	04.32.70	"HM"
204.32.64	204.32.68	204.32.70	supercut plus

**Metzenbaum**

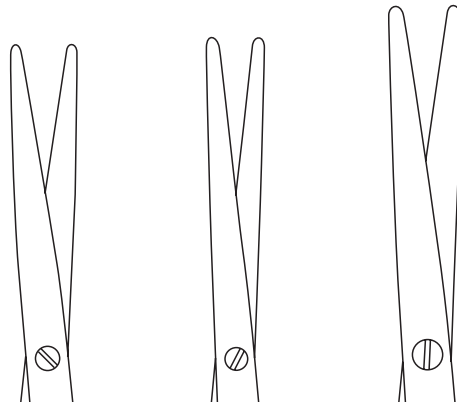
14 cm – 5½"	18 cm – 7⅛"	20 cm – 8"	
04.33.14	04.33.18	04.33.20	standard
204.33.14	204.33.18	204.33.20	supercut
214.33.14	214.33.18	214.33.20	black line
04.33.64	04.33.68	04.33.70	"HM"
204.33.64	204.33.68	204.33.70	supercut plus

Präparierscheren
Dissecting Scissors
Tijeras para disección
Ciseaux pour dissection
Forbici per dissezione

A02



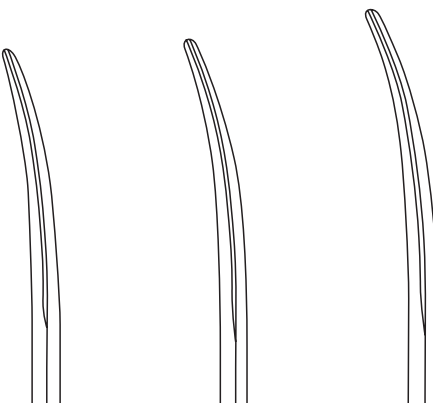
Metzenbaum-slim



14 cm – 5½"	18 cm – 7⅛"	20 cm – 8"	
04.34.14	04.34.18	04.34.20	standard
204.34.14	204.34.18	204.34.20	supercut
214.34.14	214.34.18	214.34.20	black line
04.34.64	04.34.68	04.34.70	"HM"
204.34.64	204.34.68	204.34.70	supercut plus



Metzenbaum-slim



14 cm – 5½"	18 cm – 7⅛"	20 cm – 8"	
04.35.14	04.35.18	04.35.20	standard
204.35.14	204.35.18	204.35.20	supercut
214.35.14	214.35.18	214.35.20	black line
04.35.64	04.35.68	04.35.70	"HM"
204.35.64	204.35.68	204.35.70	supercut plus

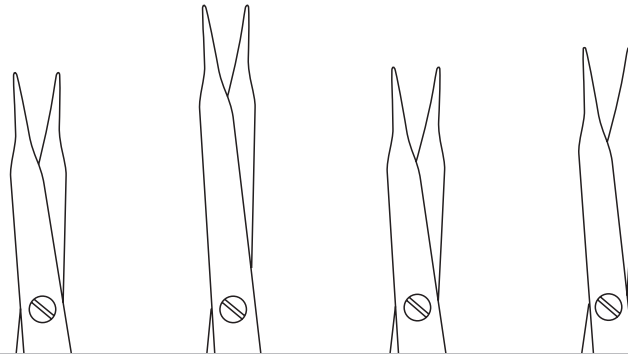


Präparierscheren
Dissecting Scissors
Tijeras para disección
Ciseaux pour dissection
Forbici per dissezione

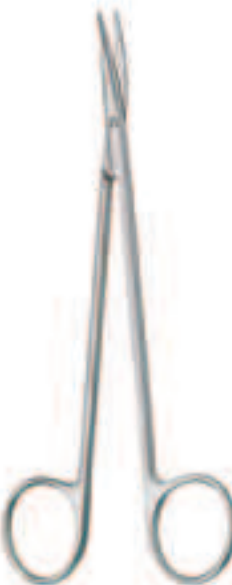
A02



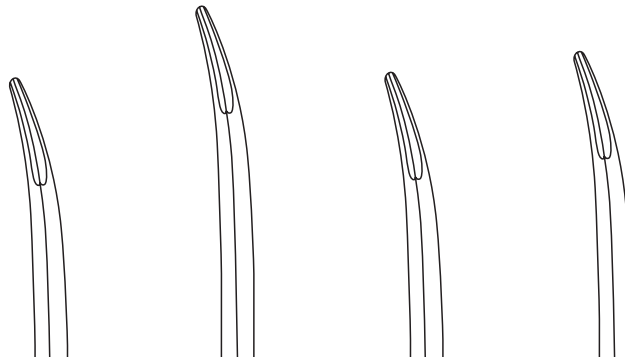
Reynolds (Jameson)



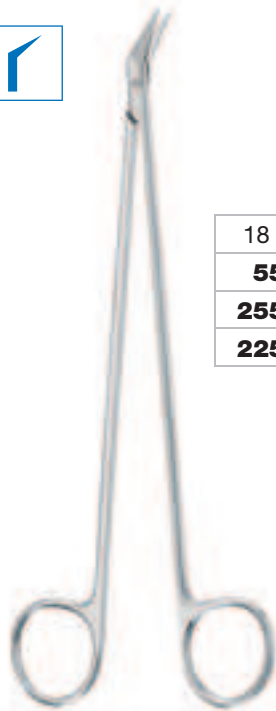
12 cm – 4¾"	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	
04.66.12	04.66.14	04.66.16	04.66.18	standard



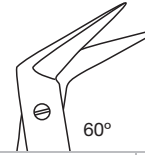
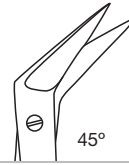
Reynolds (Jameson)



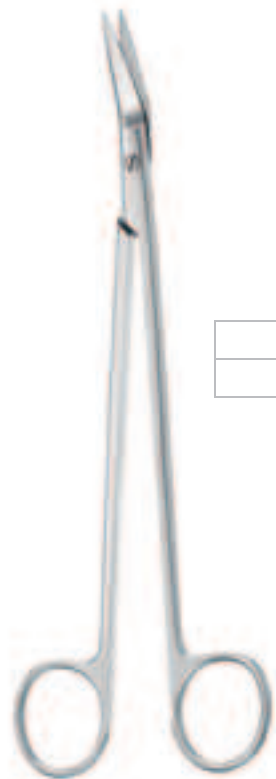
12 cm – 4¾"	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	
04.67.12	04.67.14	04.67.16	04.67.18	standard
204.67.12		204.67.16	204.67.18	supercut
214.67.12		214.67.16	214.67.18	black line
		224.67.66	224.67.68	magic cut



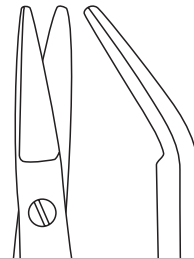
Hegemann-Diethrich



18 cm – 7 1/8"	18 cm – 7 1/8"	18 cm – 7 1/8"	
55.15.32	55.15.34	55.15.36	standard
255.15.32	255.15.34	255.15.36	supercut
225.15.32	225.15.34	225.15.36	magic cut



Potts-Smith



19 cm – 7 1/2"	19 cm – 7 1/2"	
55.15.50	55.15.51	standard

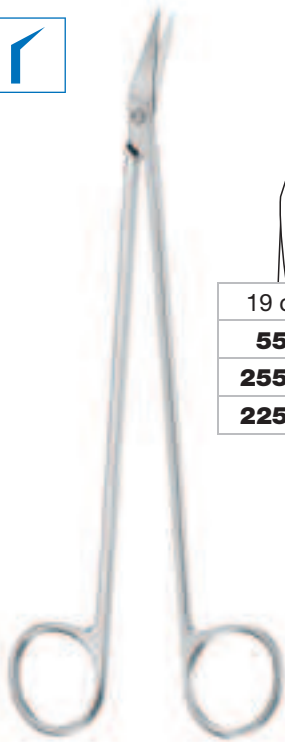


seitwärts gewinkelt
 angled to side
 acodadas lateralmente
 coudés latéralement
 angolata lateralmente



A02

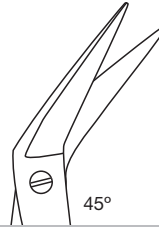
Gefäßscheren und Mikro-Scheren
Vascular Scissors and Micro Scissors
Tijeras vasculares y micro tijeras
Ciseaux vasculaires et micro ciseaux
Forbici vascolari e micro forbici



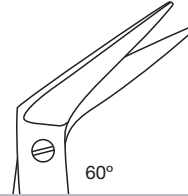
Potts-Smith



25°



45°



60°

19 cm - 7½"	19 cm - 7½"	19 cm - 7½"	
55.15.42	55.15.44	55.15.46	standard
255.15.42	255.15.44	255.15.46	supercut
225.15.42	225.15.44	225.15.46	magic cut

VANNAS



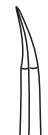
15 cm - 6"

05.15.74**205.15.74**

15 cm - 6"

05.15.75

15 cm - 6"

05.15.76

15 cm - 6"

05.15.77**standard****supercut**

8 mm



Rundgriff
 Round handle
 Mango redondo
 Manche rond
 Manico rotondo



seitwärts gewinkelt
 angled to side
 acodadas lateralmente
 coudés latéralement
 angolata lateralmente



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



micro 2000

15 cm – 6"	15 cm – 6"	18 cm – 7 1/8"	18 cm – 7 1/8"	
05.15.70	05.15.71	05.18.70	05.18.71	standard
		205.18.70	205.18.71	supercut



15 cm – 6"	15 cm – 6"	18 cm – 7 1/8"	18 cm – 7 1/8"	
05.15.72	05.15.73	05.18.72	05.18.73	standard



15 cm – 6"	15 cm – 6"	18 cm – 7 1/8"	18 cm – 7 1/8"	
05.15.81	05.15.83	05.18.81	05.18.83	standard



Instrumente mit blau eloxierten Leichtmetall-Griffen für höchste Präzision und Arbeitskomfort.

Instruments with blue anodized light metal handles for maximum precision and working convenience.

Instrumentos con mangos de metal ligero anodizados en azul para la precisión y el confort de trabajo máximo.

Instruments avec manches en métal léger anodisés en bleu pour un maximum de précision et de confort à l'utilisation.

Strumenti con manici di metallo leggero anodizzati blu per una precisione massima e conforto lavorativo.



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



spitz
 sharp
 aguda
 pointu
 acuta

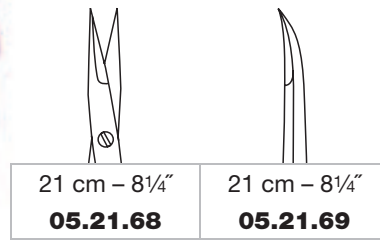
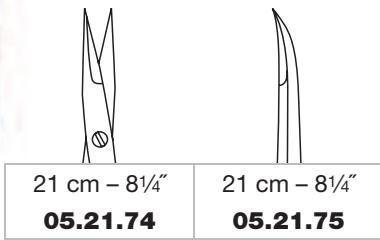
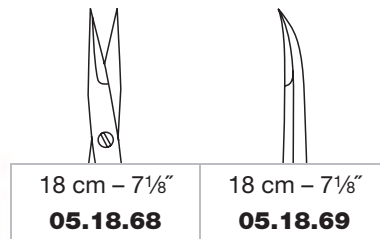
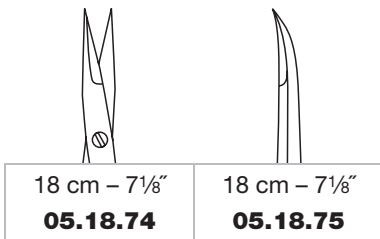
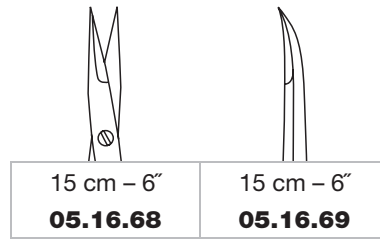
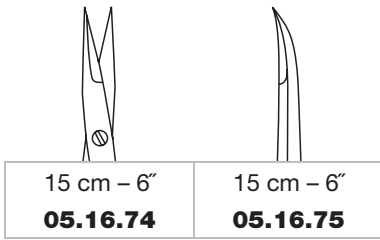


stumpf
 blunt
 roma
 mousse
 smussa



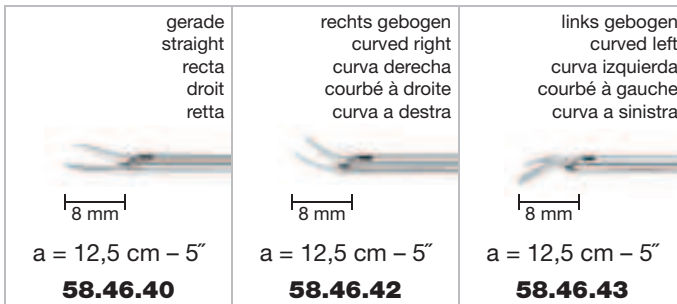
Mikro-Scheren
Micro Scissors
Micro tijeras
Micro ciseaux
Micro forbici

A02



Tumorscheren
Tumor scissors
Tijeras para tumores
Ciseaux pour tumeur
Forbici per tumori

— a —



gerade
straight
recta
droit
retta

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

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

8 mm

8 mm

8 mm

a = 12,5 cm - 5"

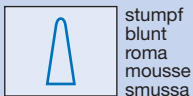
a = 12,5 cm - 5"

a = 12,5 cm - 5"

58.46.40

58.46.42

58.46.43



stumpf
blunt
roma
mousse
smussa







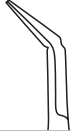





Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo



Titan
Titanium
Titanio
Titane
Titanio









VANNAS




				
12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"
05.18.84	05.18.85	05.18.86	05.18.87	05.18.89
				

VANNAS



			
16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"
05.18.92	05.18.93	05.18.94	05.18.95
			




13 cm – 5¼"
05.18.90

Biemer



spitz
 sharp
 aguda
 pointu
 acuta

VANNAS

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



Mikro-Scheren
Micro Scissors
Micro tijeras
Micro ciseaux
Micro forbici

A02



Millesi



16 cm – 6 1/4"
05.18.96



16 cm – 6 1/4"
05.18.97



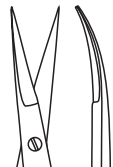
Yasargil



18,5 cm – 7 1/4"
05.18.98



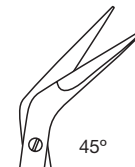
Jacobson



18,5 cm – 7 1/4"
05.18.99



Potts-Yasargil



18,5 cm – 7 1/4"
05.19.01



seitwärts gewinkelt
angled to side
acodadas lateralmente
coudés latéralement
angolata lateralmente



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



spitz
sharp
aguda
pointu
acuta



23 cm – 9"
05.19.02



8 mm



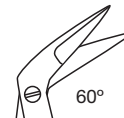
18,5 cm – 7¼"
05.19.10



18 cm – 7⅞"
05.19.25



18 cm – 7⅞"
05.19.45



18 cm – 7⅞"
05.19.60



18 cm – 7⅞"	18 cm – 7⅞"	18 cm – 7⅞"	
05.19.25	05.19.45	05.19.60	"HM"
225.19.25	225.19.45	225.19.60	magic cut



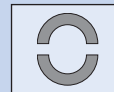
seitwärts gewinkelt
 angled to side
 acodadas lateralmente
 coudés latéralement
 angolata lateralmente



spitz
 sharp
 aguda
 pointu
 acuta



stumpf
 blunt
 roma
 mousse
 smussa



Rundgriff
 Round handle
 Mango redondo
 Manche rond
 Manico rotondo



Mikro-Scheren
Micro Scissors
Micro tijeras
Micro ciseaux
Micro forbici

A02



Yasargil



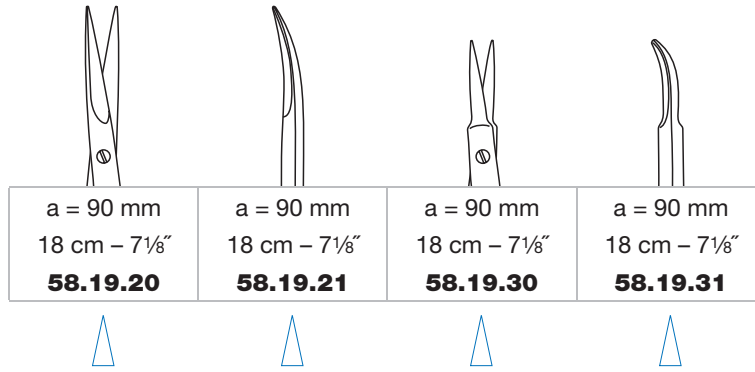
Instrumente mit blau eloxierten Leichtmetall-Griffen für höchste Präzision und Arbeitskomfort.

Instruments with blue anodized light metal handles for maximum precision and working convenience.

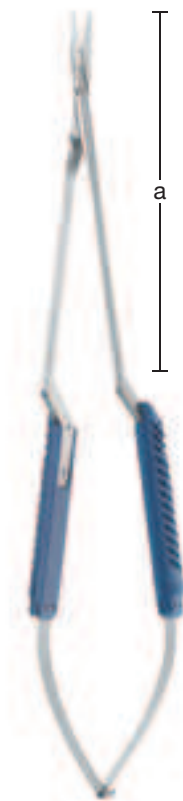
Instrumentos con mangos de metal ligero anodizados en azul para la precisión y el confort de trabajo máximo.

Instruments avec manches en métal léger anodisés en bleu pour un maximum de précision et de confort à l'utilisation.

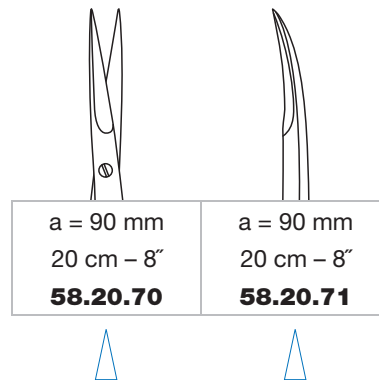
Strumenti con manici di metallo leggero anodizzati blu per una precisione massima e conforto lavorativo.



a = 90 mm 18 cm - 7 1/8"	a = 90 mm 18 cm - 7 1/8"	a = 90 mm 18 cm - 7 1/8"	a = 90 mm 18 cm - 7 1/8"
58.19.20	58.19.21	58.19.30	58.19.31



micro 2000







a = 90 mm 20 cm - 8"	a = 90 mm 20 cm - 8"
58.20.70	58.20.71



spitz
sharp
aguda
pointu
acuta













Yasargil

	
a = 55 mm 16 cm – 6¼"	a = 55 mm 16 cm – 6¼"
59.16.20	59.16.21
	



Yasargil

		
a = 85 mm 20 cm – 8"	a = 85 mm 20 cm – 8"	a = 85 mm 20 cm – 8"
59.20.20	59.20.21	59.20.23
		
		
a = 85 mm 20 cm – 8"	a = 85 mm 20 cm – 8"	
59.20.30	59.20.31	
		



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa



Mikro-Scheren
Micro Scissors
Micro tijeras
Micro ciseaux
Micro forbici

A02

VANNAS



Yasargil

a



a = 105 mm
23 cm - 9"
59.23.20



a = 105 mm
23 cm - 9"
59.23.21



a = 105 mm
23 cm - 9"
59.23.30



a = 105 mm
23 cm - 9"
59.23.31



Yasargil

a



a = 105 mm
23 cm - 9"
59.23.40



a = 105 mm
23 cm - 9"
59.23.41



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa



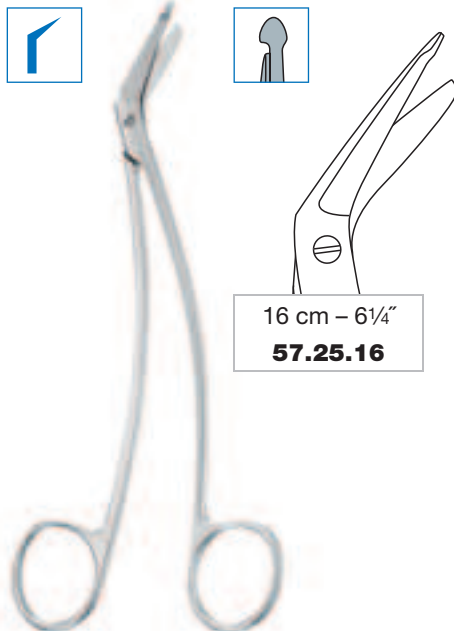
Vannas-Schneiden
Vannas-type cutting edges
Hojas según Vannas
Lames selon Vannas
Lame secondo Vannas

Duraschere und Trigeminschere
Dura Scissors and Trigeminal Scissors
Tijera para duramadre y tijeras para trigémino
Ciseaux pour dure-mère et ciseaux pour trijumeau
Forbice per dura madre e forbici per trigemino

A02

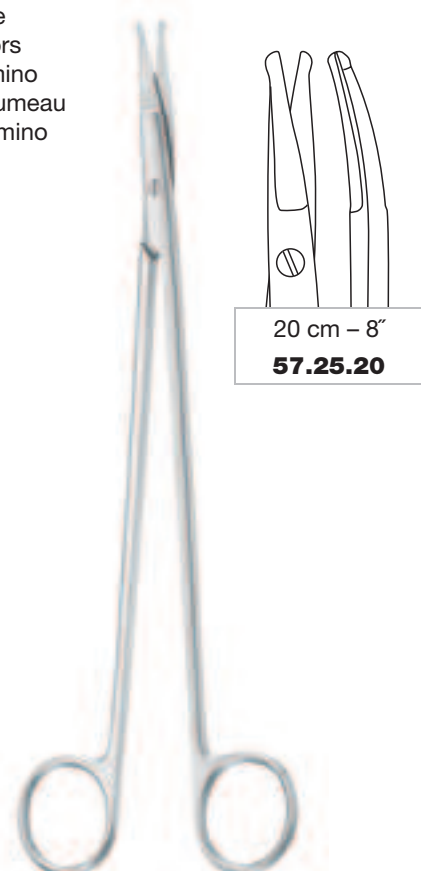
Duraschere
 Dura scissors
 Tijera para duramadre
 Ciseaux pour dure-mère
 Forbice per dura madre

Trigeminschere
 Trigeminal scissors
 Tijera para trigémino
 Ciseaux pour trijumeau
 Forbice per trigemino



16 cm – 6¼"
57.25.16

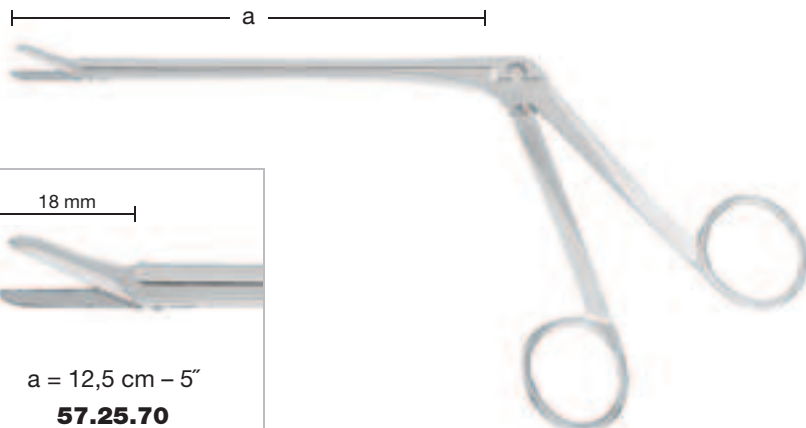
Schmieden (Taylor)



20 cm – 8"
57.25.20

Strully

Trigeminschere
 Trigeminal scissors
 Tijera para trigémino
 Ciseaux pour trijumeau
 Forbice per trigemino



18 mm
 a = 12,5 cm – 5"
57.25.70

Olivecrona



A02

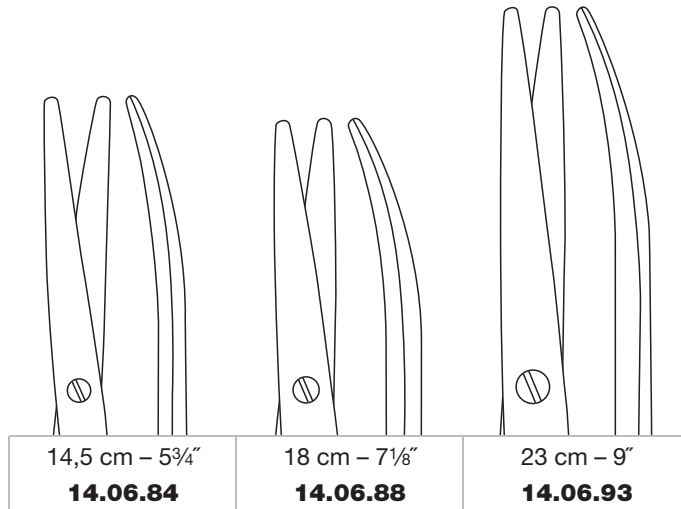
Ligaturscheren, Draht- und Mesh-Plattenscheren
Ligature Scissors, Wire and Mesh Plate Cutting Scissors
Tijeras para ligaduras, tijeras para cortar alambre y placas Mesh
Ciseaux à ligature, ciseaux coupe-fil et coupe-plaques Mesh
Forbici per legature, forbici per fili d'acciaio e placche Mesh

21
8
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
cm inch

Ligaturscheren
 Ligature scissors
 Tijeras para ligaduras
 Ciseaux à ligature
 Forbici per legature

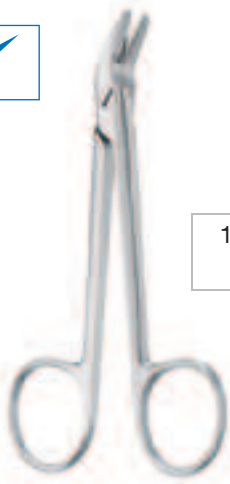


"HM"

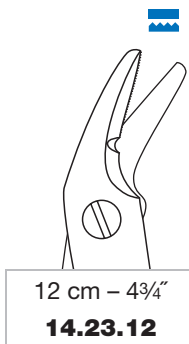


mit Mikroverzahnung und Hartmetallschneiden
 with micro serration and tungsten carbide edges
 con micro dientes y hojas de carburo tungsteno
 avec denture micro et lames en carbure tungstène
 con dentellatura micro e lame in carburo di tungsteno

Draht- und Mesh-Plattenscheren
 Wire and Mesh plate cutting scissors
 Tijeras para cortar alambre y placas Mesh
 Ciseaux coupe-fil et coupe-plaques Mesh
 Forbici per fili d'acciaio e placche Mesh



Universal



Universal "HM"



max.
 Ø 0,3 mm
 Harte Drähte
 Hard wires
 Alambres duros
 Fils durs
 Fili duri

max.
 Ø 0,8 mm
 Weiche Drähte
 Soft wires
 Alambres blandos
 Fils mous
 Fili dolci

"HM"

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



seitwärts gewinkelt
 angled to side
 acodadas lateralmente
 coudés latéralement
 angolata lateralmente

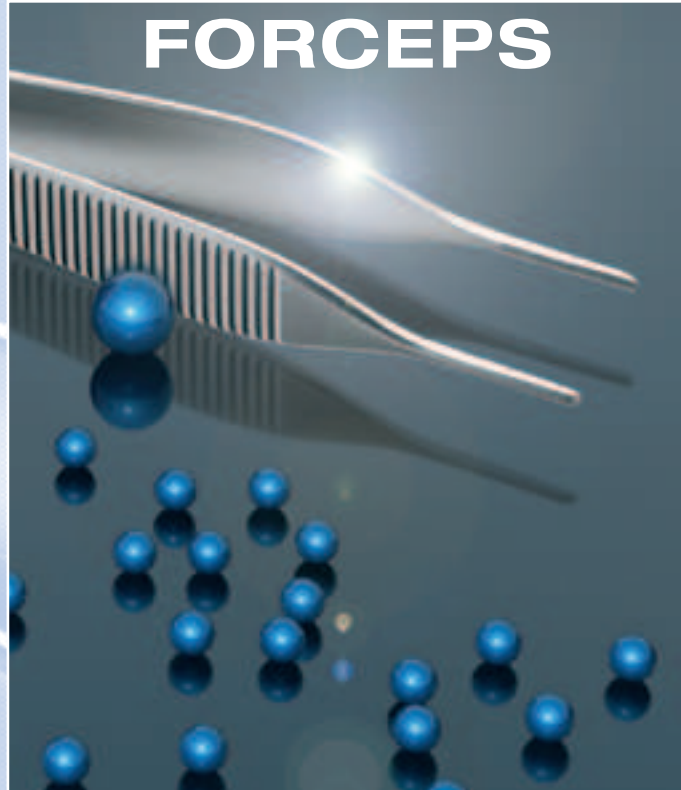


Eine Schneide gezahnt
 One blade serrated
 Una hoja dentada
 Une lame dentelée
 Una lama dentellata



Pinzetten
Forceps
Pinzas
Pinces
Pinze

A03





A03

Feine Pinzetten, anatomisch und chirurgisch
Delicate Forceps, dressing and tissue
Pinzas finas, anatómicas y quirúrgicas
Pinces délicates, anatomiques et chirurgicales
Pinze delicate, anatomiche e chirurgiche




<p>Adson</p>	<p>12 cm – 4¾" 06.20.12</p>	<p>Adson</p>	<p>12 cm – 4¾" 06.21.12</p>	<p>Adson "HM"</p>	<p>12 cm – 4¾" 06.20.62</p>	
			<p>12 cm – 4¾" 06.21.13</p>		<p>12 cm – 4¾" 06.21.62</p>	
	<p>Adson "HM"</p>	<p>15 cm – 6" 06.20.65</p>	<p>Micro-Adson</p>	<p>12 cm – 4¾" 06.22.12</p>	<p>Micro-Adson</p>	<p>15 cm – 6" 06.22.15</p>
	<p>15 cm – 6" 06.21.65</p>	<p>12 cm – 4¾" 06.23.12</p>	<p>15 cm – 6" 06.23.15</p>			




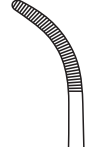
"HM"
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno

Vergrößerung
 Magnification
 Engrandecimiento
 Agrandissement
 Ingrandimento


Feine Pinzetten, anatomisch und chirurgisch
Delicate Forceps, dressing and tissue
Pinzas finas, anatómicas y quirúrgicas
Pinces délicates, anatomiques et chirurgicales
Pinze delicate, anatomiche e chirurgiche





A03




	
12,5 cm – 5" 06.30.12	12,5 cm – 5" 06.30.22
	
15 cm – 6" 06.30.15	15 cm – 6" 06.30.25


Semken




	
12,5 cm – 5" 06.31.12	12,5 cm – 5" 06.31.22
	
15 cm – 6" 06.31.15	15 cm – 6" 06.31.25

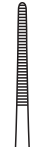

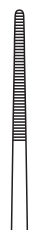



Semken




12,5 cm – 5" 06.31.32

Semken



		
15 cm – 6" 06.34.55	18 cm – 7 1/8" 06.34.58	20 cm – 8" 06.34.60
		
15 cm – 6" 06.35.55	18 cm – 7 1/8" 06.35.58	20 cm – 8" 06.35.60

"Select"

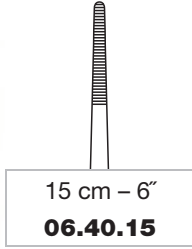


Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas anatómicas y quirúrgicas
Pinces anatomiques et chirurgicales
Pinze anatomiche e chirurgiche

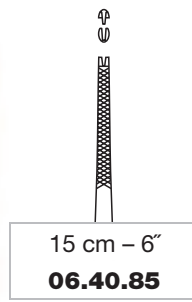
A03



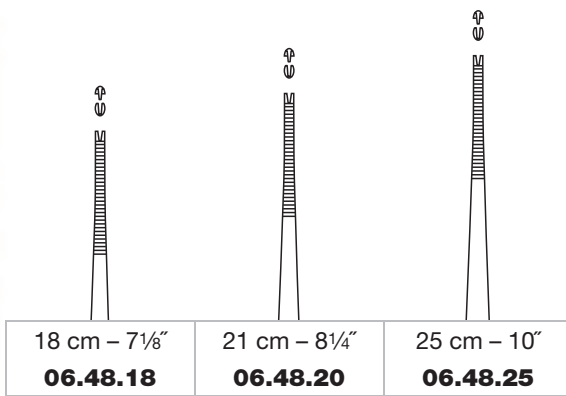
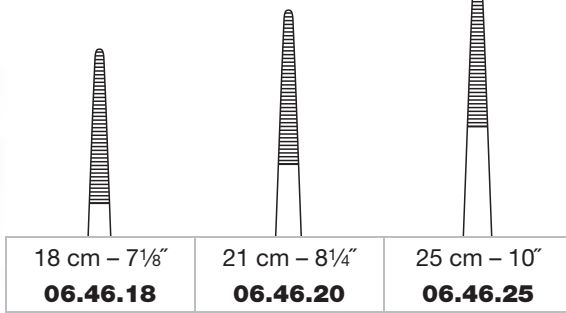
McIndoe



Gillies

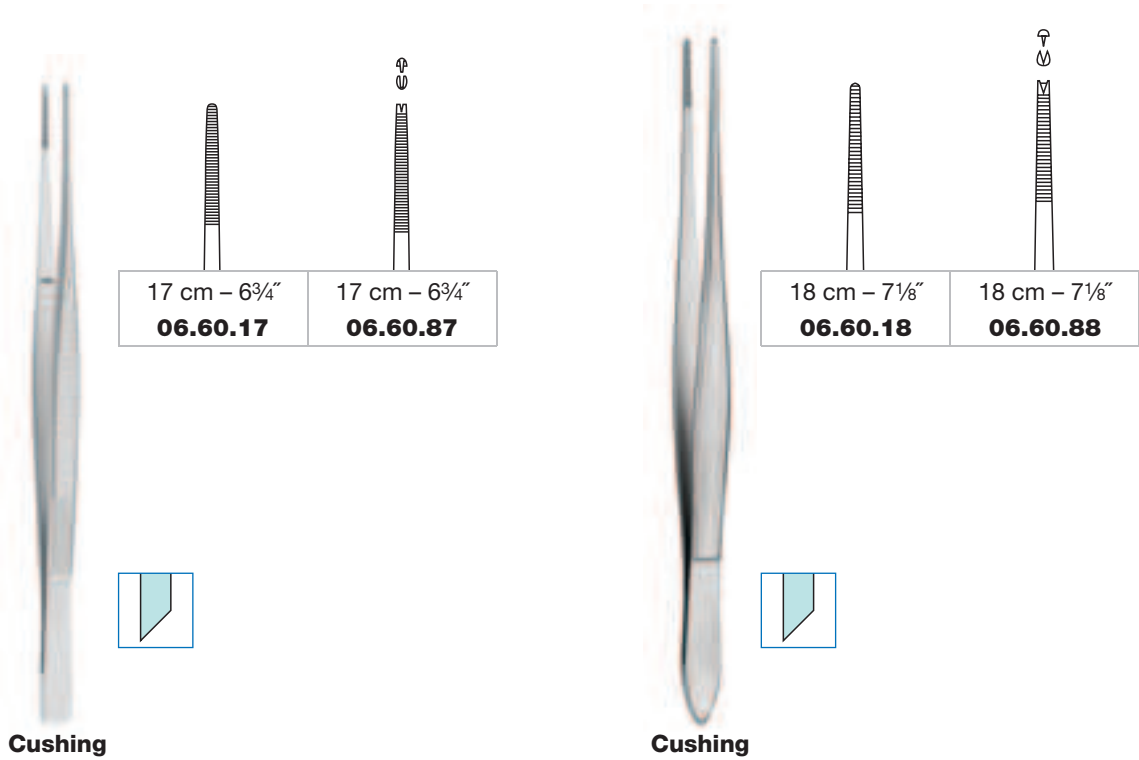


Potts-Smith



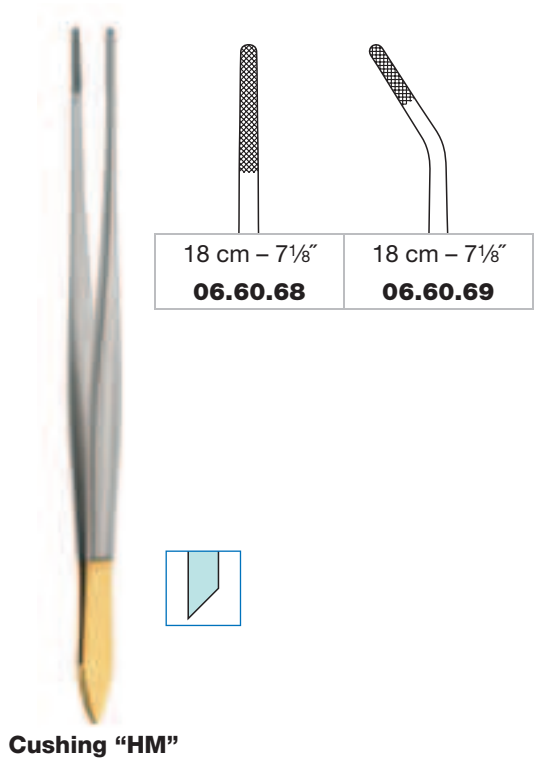
Anatomische und chirurgische Pinzetten
 Dressing and Tissue Forceps
 Pinzas anatómicas y quirúrgicas
 Pinces anatomiques et chirurgicales
 Pinze anatomiche e chirurgiche

A03



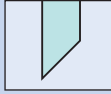
Cushing

Cushing



Cushing "HM"

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



mit Dissektorende
 with dissector end
 con extremo sirviendo de legra
 avec extrémité dissecteur
 con la parte finale a forma di dissettore

**A03**

Atraumatische Gefäßpinzetten
Atraumatic Vascular Forceps
Pinzas vasculares atraumáticas
Pinces vasculaires atraumatiques
Pinze vascolari atraumatiche

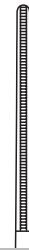
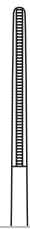
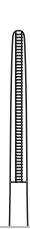
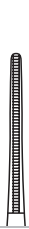
**DeBakey "AT"**

1,5 mm

1,5 mm

1,5 mm

1,5 mm



15 cm – 6"

06.50.15

20 cm – 8"

06.50.19

24 cm – 9½"

06.50.24

30 cm – 11¾"

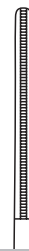
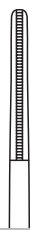
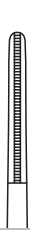
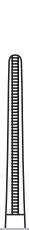
06.50.30

2,0 mm

2,0 mm

2,0 mm

2,0 mm



15 cm – 6"

06.52.15

20 cm – 8"

06.52.19

24 cm – 9½"

06.52.24

30 cm – 11¾"

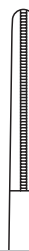
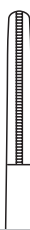
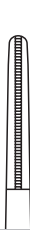
06.52.30

2,8 mm

2,8 mm

2,8 mm

2,8 mm



15 cm – 6"

06.54.15

20 cm – 8"

06.54.19

24 cm – 9½"

06.54.24

30 cm – 11¾"

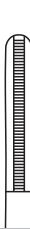
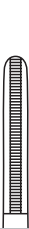
06.54.30

3,5 mm

3,5 mm

3,5 mm

3,5 mm



15 cm – 6"

06.55.15

20 cm – 8"

06.55.19

24 cm – 9½"

06.55.24


30 cm – 11¾"


06.55.30**DeBakey "AT"****"AT"**

Atraumatische Riefung
 Atraumatic serration
 Estrías atraumáticas
 Striure atraumatique
 Zigrinatura atraumatica

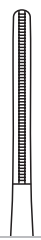
Atraumatische Gefäßpinzetten
Atraumatic Vascular Forceps
Pinzas vasculares atraumáticas
Pinces vasculaires atraumatiques
Pinze vascolari atraumatiche

A03



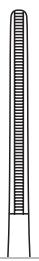


2,4 mm



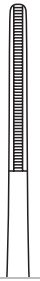
15 cm – 6"
06.62.15

2,4 mm



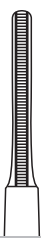
20 cm – 8"
06.62.19

2,4 mm



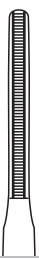
24 cm – 9½"
06.62.24

2,8 mm



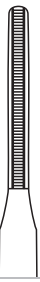
15 cm – 6"
06.64.15

2,8 mm



20 cm – 8"
06.64.19

2,8 mm





24 cm – 9½"
06.64.24

DeBakey "AT"

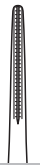
Atraumatische Gefäßpinzetten
 Atraumatic vascular forceps
 Pinzas vasculares atraumáticas
 Pinces vasculaires atraumatiques
 Pinze vascolari atraumatiche

extrem leicht
 extremely light
 especialmente ligera
 extrêmement légère
 estremamente leggera






1,2 mm




15 cm – 6"
06.51.15

1,5 mm



20 cm – 8"
06.51.20

DeBakey "AT"

"AT"

 Atraumatische Riefung
 Atraumatic serration
 Estrias atraumáticas
 Striure atraumatique
 Zigrinatura atraumatica



Atraumatische Pinzetten
Atraumatic Forceps
Pinzas atraumáticas
Pinces atraumatiques
Pinze atraumatiche

A03



DeBakey "AT"

1,0 mm

1,0 mm

1,0 mm



15 cm – 6"
06.70.15

20 cm – 8"
06.70.20

24 cm – 9½"
06.70.24

1,5 mm

1,5 mm

1,5 mm



15 cm – 6"
06.72.15

20 cm – 8"
06.72.20

24 cm – 9½"
06.72.24

2,0 mm

2,0 mm

2,0 mm



15 cm – 6"
06.74.15

20 cm – 8"
06.74.20

24 cm – 9½"
06.74.24



Titan
Titanium
Titanio
Titane
Titanio



"AT"
Atraumatische Riefung
Atraumatic serration
Estrías atraumáticas
Striure atraumatique
Zigrinatura atraumatica

Atraumatische Pinzetten und Mikro-Pinzetten
Atraumatic Forceps and Micro Forceps
Pinzas atraumáticas y micro pinzas
Pinces atraumatiques et micro pinces
Pinze atraumatiche e micro pinze

A03



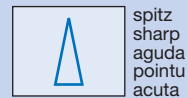
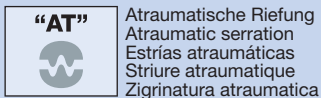
DeBakey "AT"

1,2 mm	1,2 mm	1,2 mm
15 cm - 6" 06.90.15	18 cm - 7 1/8" 06.90.18	21 cm - 8 1/4" 06.90.21
1,8 mm	1,8 mm	1,8 mm
15 cm - 6" 06.92.15	18 cm - 7 1/8" 06.92.18	21 cm - 8 1/4" 06.92.21

Juwelierpinzetten
 Jeweler's forceps
 Pinzas para joyero/relojero
 Pinces pour joaillier/horloger
 Pinze per gioielliere/orologiaio



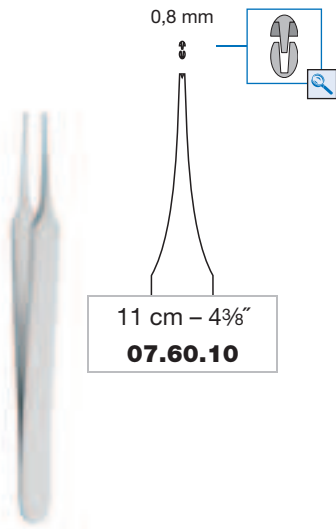
11,5 cm - 4 1/2" 07.60.03	11,5 cm - 4 1/2" 07.60.04	11,5 cm - 4 1/2" 07.60.05	11,5 cm - 4 1/2" 07.60.07
no. 3	no. 4	no. 5	no. 7



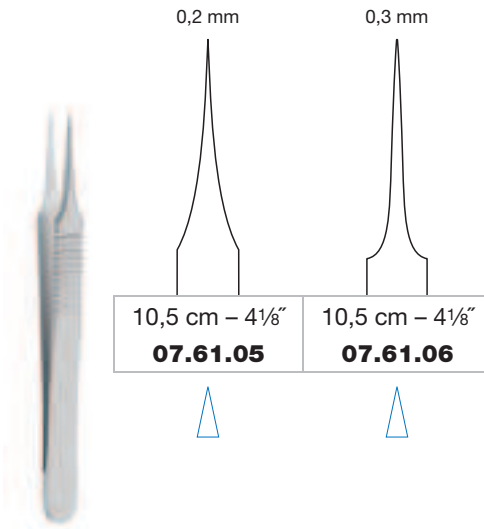


Mikro-Pinzetten
Micro Forceps
Micro pinzas
Micro pinces
Micro pinze

A03

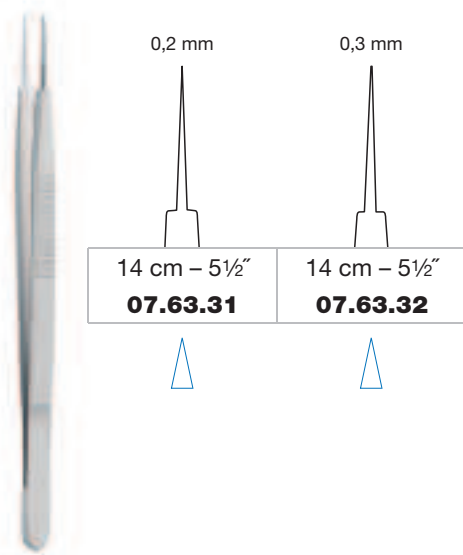


11 cm - 4³/₈"
07.60.10



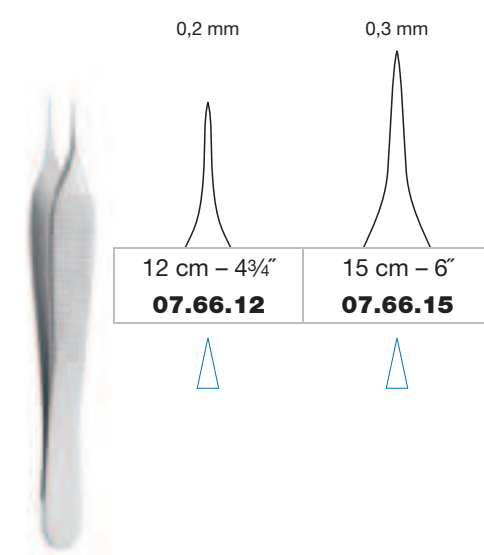
10,5 cm - 4¹/₈" **07.61.05** 10,5 cm - 4¹/₈" **07.61.06**

micro 2000



14 cm - 5¹/₂" **07.63.31** 14 cm - 5¹/₂" **07.63.32**

micro 2000



12 cm - 4³/₄" **07.66.12** 15 cm - 6" **07.66.15**

Jacobson-Adson



Vergrößerung
Magnification
Engrandecimiento
Agrandissement
Ingrandimento



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa

0,2 mm	0,2 mm	0,3 mm	0,3 mm
12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"
07.64.03	07.64.13	07.64.04	07.64.14

micro 2000

0,2 mm	0,3 mm	0,3 mm	0,4 mm
12,5 cm – 5"	12,5 cm – 5"	13,5 cm – 5⅜"	19,5 cm – 7¾"
07.61.11	07.61.12	07.61.14	07.72.19

micro 2000



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa







Mikro-Pinzetten
Micro Forceps
Micro pinzas
Micro pinces
Micro pinze

A03



micro 2000

0,2 mm	0,2 mm	0,3 mm	0,3 mm
15 cm - 6"	15 cm - 6"	15 cm - 6"	15 cm - 6"
07.64.63	07.64.73	07.64.64	07.64.74
			



Instrumente mit blau eloxierten Leichtmetall-Griffen für höchste Präzision und Arbeitskomfort.

Instruments with blue anodized light metal handles for maximum precision and working convenience.





Instrumentos con mangos de metal ligero anodizados en azul para la precisión y el confort de trabajo máximo.

Instruments avec manches en métal léger anodisés en bleu pour un maximum de précision et de confort à l'utilisation.

Strumenti con manici di metallo leggero anodizzati blu per una precisione massima e conforto lavorativo.



micro 2000

0,3 mm	0,3 mm	0,4 mm	0,4 mm
18 cm - 7 1/8"	18 cm - 7 1/8"	18 cm - 7 1/8"	18 cm - 7 1/8"
07.64.83	07.64.93	07.64.84	07.64.94
			



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa

0,4 mm	0,4 mm	0,5 mm
11 cm – 4 $\frac{3}{8}$ "	15 cm – 6"	18 cm – 7 $\frac{1}{8}$ "
07.70.11	07.70.15	07.70.18
▲	▲	▲

Jacobson

0,8 mm	1,2 mm	1,0 mm
16,5 cm – 6 $\frac{1}{2}$ "	16,5 cm – 6 $\frac{1}{2}$ "	19 cm – 7 $\frac{1}{2}$ "
07.75.30	07.75.31	07.75.32

▲
 spitz
 sharp
 aguda
 pointu
 acuta



Mikro-Pinzetten
Micro Forceps
Micro pinzas
Micro pinces
Micro pinze

A03



Ti

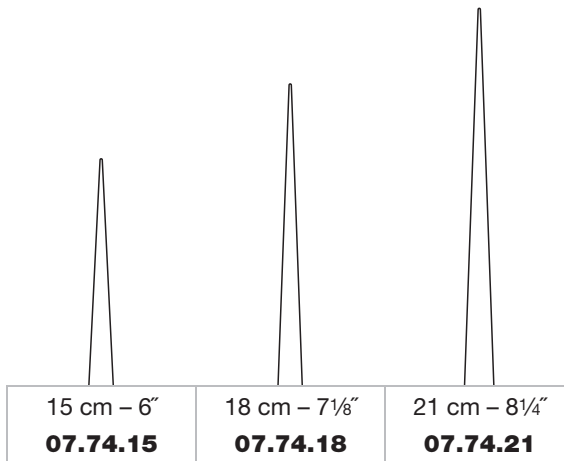
8 mm



0,4 mm

0,4 mm

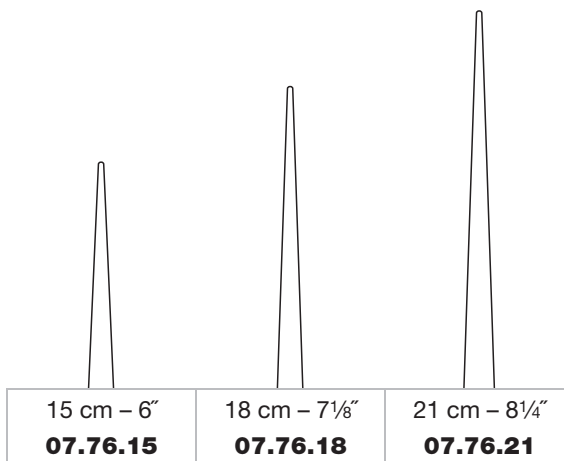
0,4 mm



0,8 mm

0,8 mm

0,8 mm



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa



Titan
Titanium
Titanio
Titane
Titano



Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

Mikro-Pinzetten
Micro Forceps
Micro pinzas
Micro pincers
Micro pinze

A03



mit Gewicht
 with weight
 con peso
 avec poids
 con peso

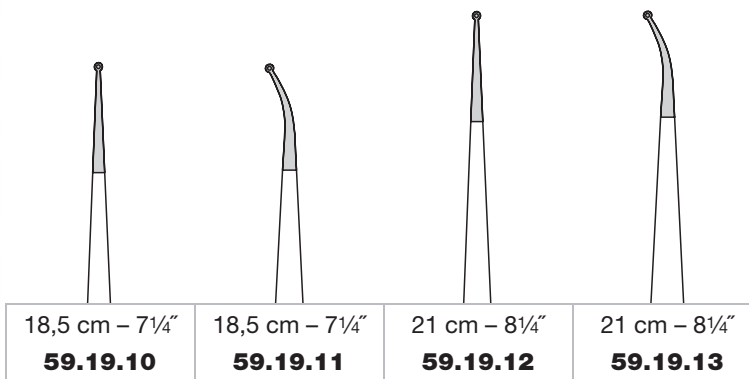
Dennis

Ø 1,0 mm

Ø 1,0 mm

Ø 1,0 mm

Ø 1,0 mm



18,5 cm – 7¼"
59.19.10

18,5 cm – 7¼"
59.19.11

21 cm – 8¼"
59.19.12

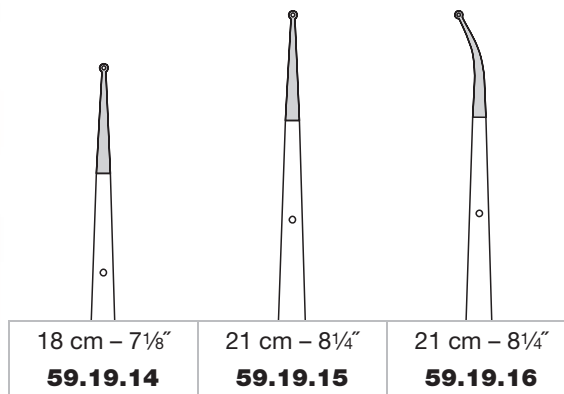
21 cm – 8¼"
59.19.13



Ø 1,0 mm

Ø 1,0 mm

Ø 1,0 mm



18 cm – 7⅛"
59.19.14

21 cm – 8¼"
59.19.15

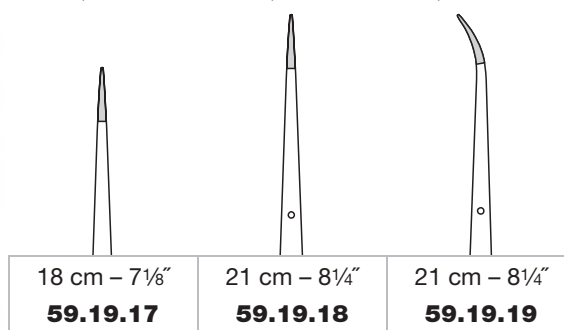
21 cm – 8¼"
59.19.16



0,4 mm

0,4 mm

0,4 mm



18 cm – 7⅛"
59.19.17

21 cm – 8¼"
59.19.18

21 cm – 8¼"
59.19.19



Rundgriff
 Round handle
 Mango redondo
 Manche rond
 Manico rotondo



Beschichtung mit Diamantstaub
 Coating with diamond dust
 Recubierto con polvo de diamante
 Revêtement avec de poussière de diamant
 Rivestito con polvere di diamante



Vergrößerung
 Magnification
 Engrandecimiento
 Agrandissement
 Ingrandimento

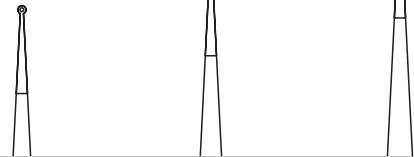


Mikro-Pinzetten
Micro Forceps
Micro pinzas
Micro pinces
Micro pinze

A03

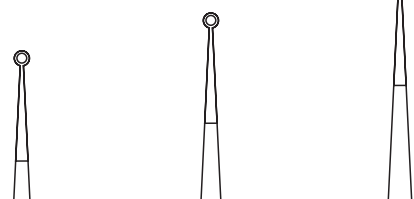


Ø 1,0 mm Ø 1,0 mm Ø 1,0 mm



15 cm – 6"	18 cm – 7 1/8"	21 cm – 8 1/4"
59.45.15	59.45.18	59.45.21

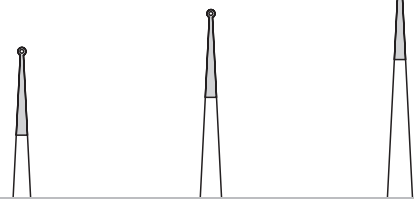
Ø 2,0 mm Ø 2,0 mm Ø 2,0 mm



15 cm – 6"	18 cm – 7 1/8"	21 cm – 8 1/4"
59.46.15	59.46.18	59.46.21



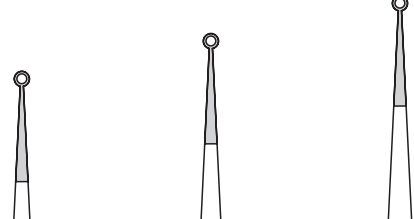
Ø 1,0 mm Ø 1,0 mm Ø 1,0 mm



15 cm – 6"	18 cm – 7 1/8"	21 cm – 8 1/4"
59.47.15	59.47.18	59.47.21



Ø 2,0 mm Ø 2,0 mm Ø 2,0 mm



15 cm – 6"	18 cm – 7 1/8"	21 cm – 8 1/4"
59.48.15	59.48.18	59.48.21



Ti
Titan
Titanium
Titanio
Titane
Titanio

Ringe gerieft
Tips serrated
Anillos estriados
Anneaux striés
Anelli zigrinati

Beschichtung mit Diamantstaub
Coating with diamond dust
Recubierto con polvo de diamante
Revêtement avec de poussière de diamant
Rivestito con polvere di diamante

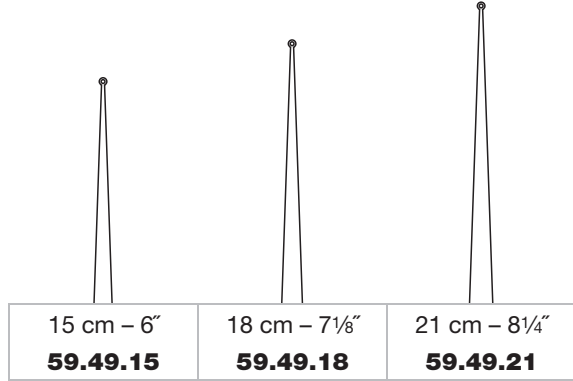


mit Gewicht
 with weight
 con peso
 avec poids
 con peso

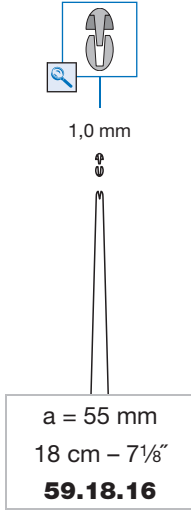
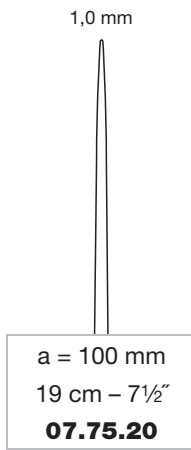
Ø 1,0 mm

Ø 1,0 mm

Ø 1,0 mm



Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pinces en forme baïonnette
 Pinze a forma di baionetta



Yasargil



Rundgriff
 Round handle
 Mango redondo
 Manche rond
 Manico rotondo



stumpf
 blunt
 roma
 mousse
 smussa



Vergrößerung
 Magnification
 Engrandecimiento
 Agrandissement
 Ingrandimento

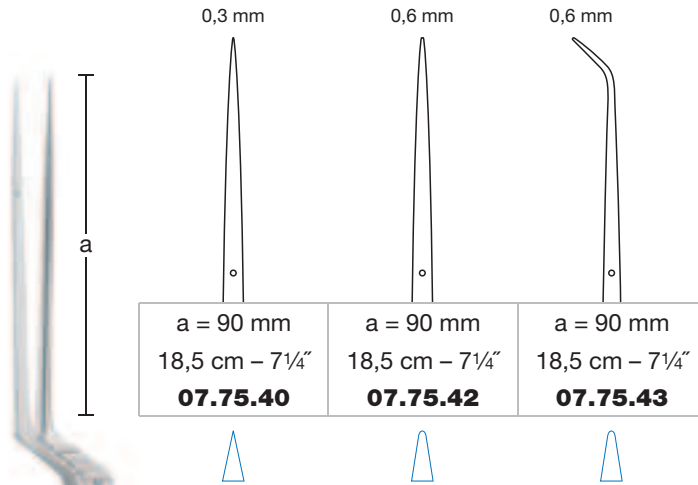


Mikro-Pinzetten
Micro Forceps
Micro pinzas
Micro pinces
Micro pinze

A03

Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pinces en forme baïonnette
 Pinze a forma di baionetta

extrem leicht
 extremely light
 especialmente ligera
 extrêmement légère
 estremamente leggera



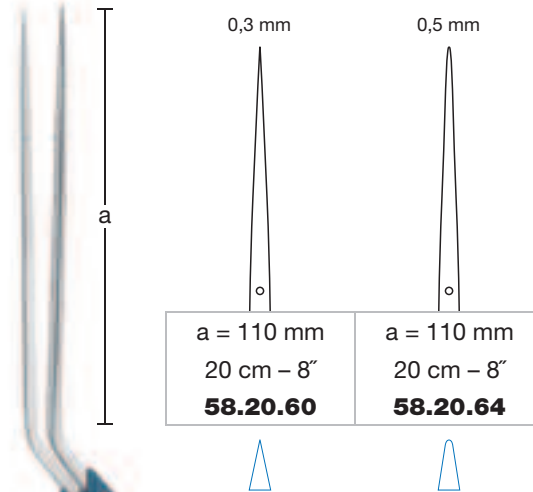
Instrumente mit blau eloxierten
 Leichtmetall-Griffen für höchste
 Präzision und Arbeitskomfort.

Instruments with blue anodized light
 metal handles for maximum precision
 and working convenience.

Instrumentos con mangos de metal
 ligero anodizados en azul para la
 precisión y el confort de trabajo
 máximo.

Instruments avec manches en métal
 léger anodisés en bleu pour un
 maximum de précision et de confort
 à l'utilisation.

Strumenti con manici di metallo
 leggero anodizzati blu per una
 precisione massima e conforto
 lavorativo.



micro 2000



spitz
 sharp
 aguda
 pointu
 acuta



















stumpf
 blunt
 roma
 mousse
 smussa

Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pincers en forme baïonnette
 Pinze a forma di baionetta



Yasargil

0,6 mm	0,6 mm	0,6 mm	0,6 mm
			
a = 55 mm 18 cm – 7 1/8"	a = 75 mm 20 cm – 8"	a = 95 mm 22 cm – 8 3/4"	a = 105 mm 24 cm – 9 1/2"
59.18.10	59.20.10	59.20.16	59.24.10
			
0,9 mm	0,9 mm	0,9 mm	0,9 mm
			
a = 55 mm 18 cm – 7 1/8"	a = 75 mm 20 cm – 8"	a = 95 mm 22 cm – 8 3/4"	a = 105 mm 24 cm – 9 1/2"
59.18.14	59.20.14	59.20.18	59.24.14
			



stumpf
 blunt
 roma
 mousse
 smussa



A03

Mikro-Pinzetten
Micro Forceps
Micro pinzas
Micro pincers
Micro pinze

Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pincers en forme baïonnette
 Pinze a forma di baionetta



Yasargil

0,6 mm

0,9 mm

a

a

a = 105 mm

23 cm - 9"

59.23.10

a = 105 mm

23 cm - 9"

59.23.14



Ø 3,0 mm



Yasargil

a = 100 mm

22 cm - 8¾"

59.44.50



spitz
 sharp
 aguda
 pointu
 acuta



stumpf
 blunt
 roma
 mousse
 smussa

Bajonettpinzetten
Bayonet Forceps
Pinzas en forma bayoneta
Pinces en forme baïonnette
Pinze a forma di baionetta

A03

Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pinces en forme baïonnette
 Pinze a forma di baionetta



a = 80 mm 18,5 cm - 7 1/4"	a = 95 mm 19,5 cm - 7 3/4"	a = 80 mm 18,5 cm - 7 1/4"
07.26.18	07.26.19	07.27.18



Cushing (Taylor)



a = 95 mm 18,5 cm - 7 1/4"
07.26.68



Cushing (Taylor) "HM"



a = 85 mm 16 cm - 6 1/4"	a = 95 mm 19,5 cm - 7 3/4"
07.30.16	07.30.19
a = 85 mm 16 cm - 6 1/4"	a = 95 mm 19,5 cm - 7 3/4"
07.31.16	07.31.19

Gruenwald

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

mit Dissektorende
 with dissector end
 con extremo sirviendo de legra
 avec extrémité dissecteur
 con la parte finale a forma di dissettor



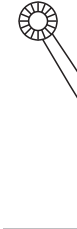
Fasspinzetten
Grasping Forceps
Pinzas para agarrar
Pinces pour saisir
Pinze da presa

A03

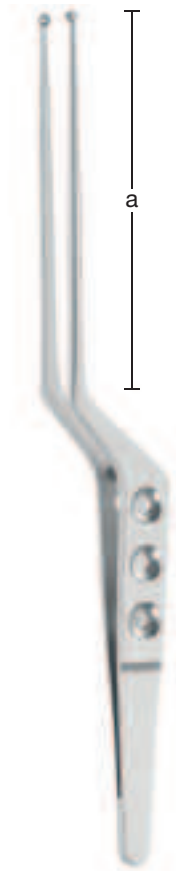


Hunt

Ø 5 mm



20 cm – 8"
58.44.05



Yasargil

a

Ø 3 mm



a = 100 mm
22 cm – 8¾"
59.44.03

Ø 3 mm



a = 100 mm
22 cm – 8¾"
59.44.13

Ø 3 mm



a = 100 mm
22 cm – 8¾"
59.44.73

Ø 5 mm



a = 100 mm
22 cm – 8¾"
59.44.05

Ø 5 mm



a = 100 mm
22 cm – 8¾"
59.44.15

Ø 5 mm



a = 100 mm
22 cm – 8¾"
59.44.75

Fasspinzetten und Tumorfasszangen
Grasping Forceps and Tumor Grasping Forceps
Pinzas para agarrar y pinzas para agarrar tumores
Pinces pour saisir et pinces à saisir pour tumeurs
Pinze da presa e pinze per afferrare tumori

A03



Yasargil

Ø 3 mm

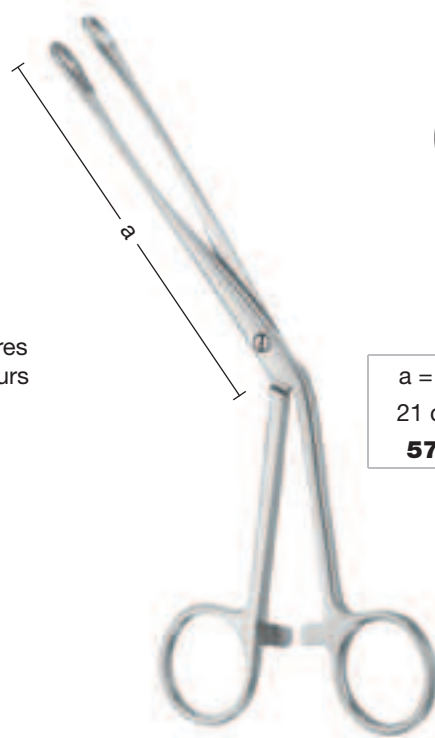


a = 40 mm
 16,5 cm – 6½”
59.44.43

Ø 5 mm



a = 40 mm
 16,5 cm – 6½”
59.44.45



Toennis

Tumorfasszangen
 Tumor grasping forceps
 Pinzas para agarrar tumores
 Pinces à saisir pour tumeurs
 Pinze per afferrare tumori

7 mm



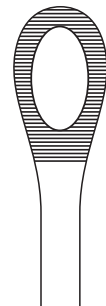
a = 100 mm
 21 cm – 8¼”
57.29.07

10 mm



a = 105 mm
 21 cm – 8¼”
57.29.10

12 mm

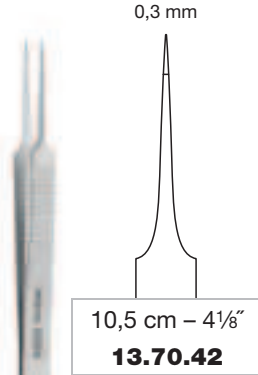
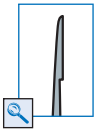


a = 110 mm
 21 cm – 8¼”
57.29.12

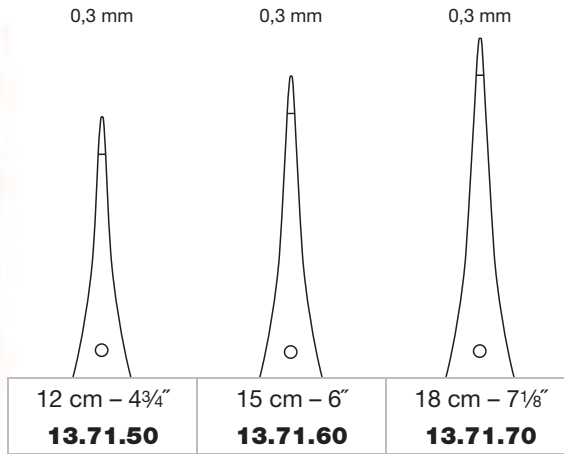
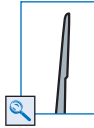


Nahtpinzetten
Suturing Forceps
Pinzas para sutura
Pinces à suture
Pinze per sutura

A03



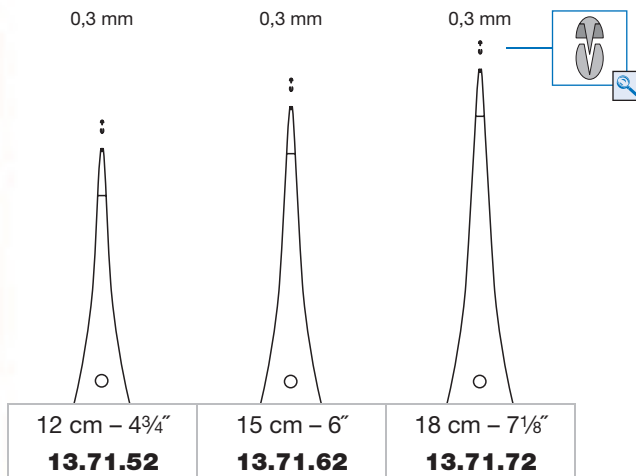
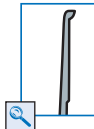
micro 2000



12 cm - 4¾"
13.71.50

15 cm - 6"
13.71.60

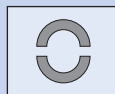
18 cm - 7⅞"
13.71.70



12 cm - 4¾"
13.71.52

15 cm - 6"
13.71.62

18 cm - 7⅞"
13.71.72



Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo



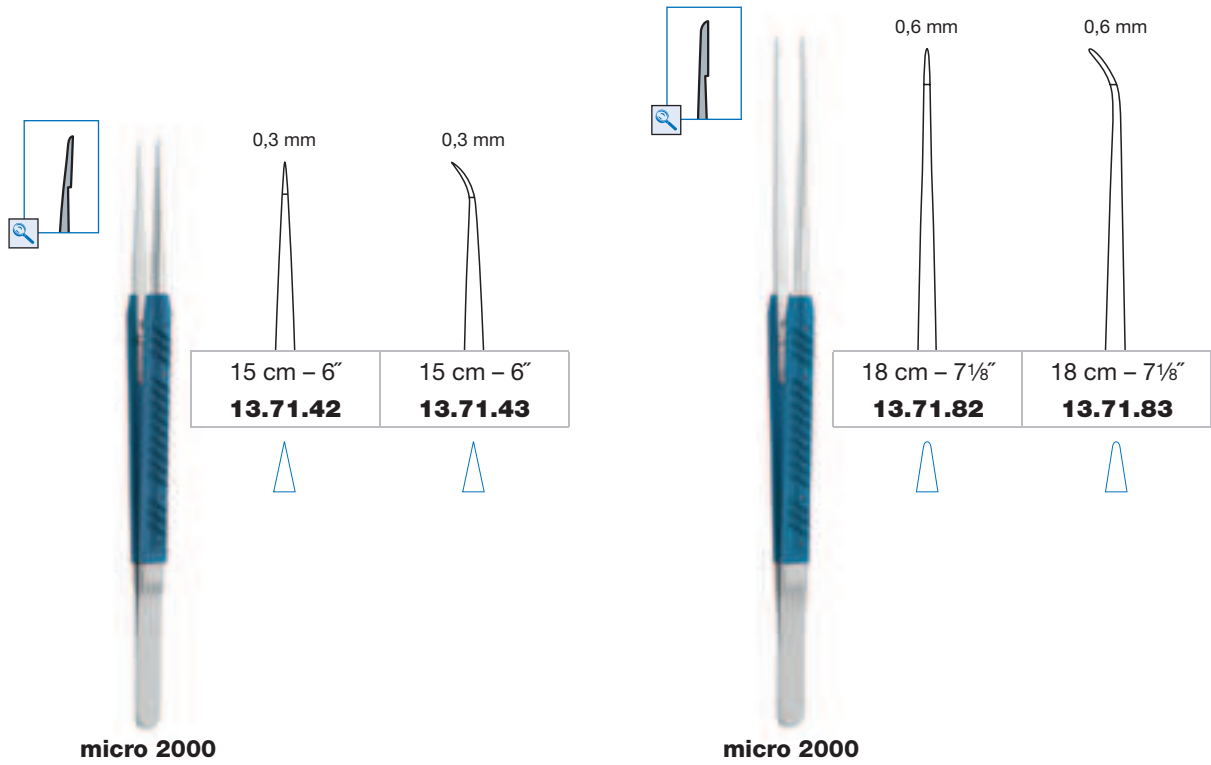
spitz
sharp
aguda
pointu
acuta



Vergrößerung
Magnification
Engrandecimiento
Agrandissement
Ingrandimento

Nahtpinzetten
Suturing Forceps
Pinzas para sutura
Pinces à suture
Pinze per sutura

A03



micro 2000

micro 2000



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spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa

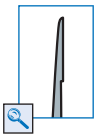


Vergrößerung
Magnification
Engrandecimiento
Agrandissement
Ingrandimento



Nahtpinzetten
Suturing Forceps
Pinzas para sutura
Pinces à suture
Pinze per sutura

A03



0,5 mm

0,8 mm

14 cm – 5½"

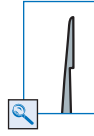
14 cm – 5½"

13.70.72

13.70.74



micro 2000



0,3 mm

0,3 mm

12 cm – 4¾"

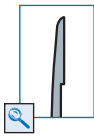
12 cm – 4¾"

13.71.22

13.71.23



micro 2000



0,6 mm

23 cm – 9"

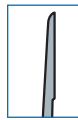
13.71.84



8 mm



Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo



0,8 mm

18 cm – 7½"

13.71.86



Austin



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa



Vergrößerung
Magnification
Engrandecimiento
Agrandissement
Ingrandimento

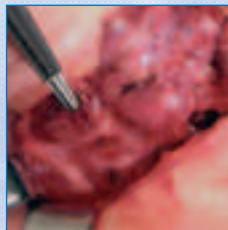
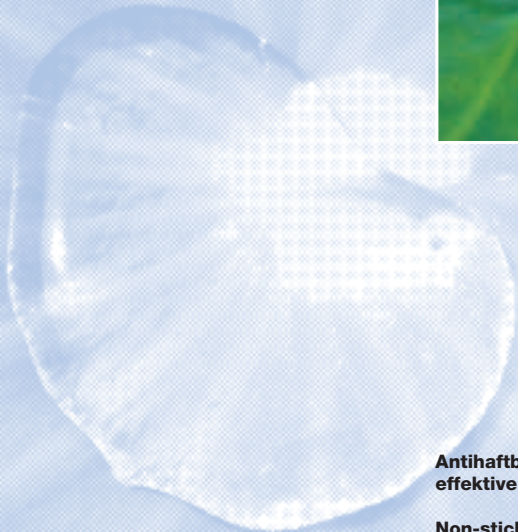
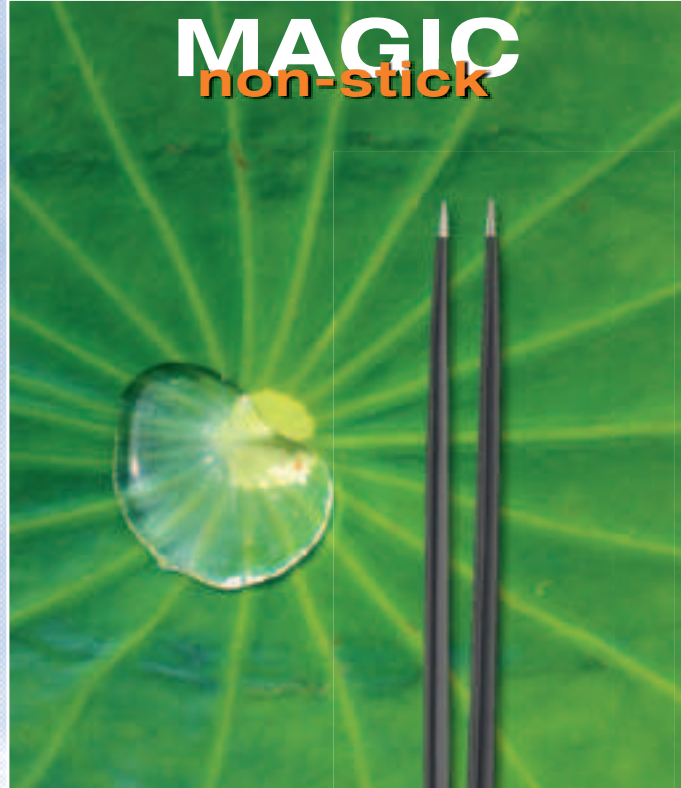
Kein Anhaften von Biogewebe ◀
 Schnelle Wärme- und Stromableitung ◀
 Einfache Reinigung ◀

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 collent pas 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 ◀



Antihftbeschichtung sorgt für eine effektive Koagulation

Non-stick coating assures an effective coagulation

El recubrimiento no adherente permite una coagulación eficaz

Grâce à ses pointes anti-adhésives, la pince bipolaire permet une meilleure coagulation

Il rivestimento antiaderente permette una coagulazione effettiva





Bipolare Antihaft-Pinzetten
Bipolar Non-stick Forceps
Pinzas bipolares no adherentes
Pinces bipolaires anti-adhésives
Pinze bipolari antiaderenti

A04

MAGIC
non-stick

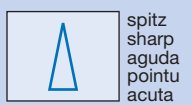


	0,6 mm	1,0 mm	
	15 cm – 6"	15 cm – 6"	
	88.07.02	88.07.03	
	0,6 mm	1,0 mm	
	18 cm – 7 1/8"	18 cm – 7 1/8"	
	88.07.07	88.07.08	
0,6 mm	1,0 mm		
20 cm – 8"	20 cm – 8"		
88.07.12	88.07.13		

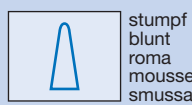
	1,3 mm	
	20 cm – 8"	
	88.07.14	
	2,0 mm	
	20 cm – 8"	
	88.07.15	

Juwelierpinzetten
Jeweler's forceps
Pinzas para joyero/relojero
Pinces pour joaillier/horloger
Pinze per gioielliere/orologiaio

	0,25 mm	0,6 mm	1,0 mm
	11 cm – 4 3/8"	11 cm – 4 3/8"	11 cm – 4 3/8"
	88.07.81	88.07.82	88.07.83



spitz
sharp
aguda
pointu
acuta

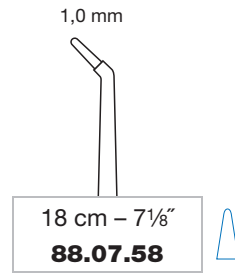
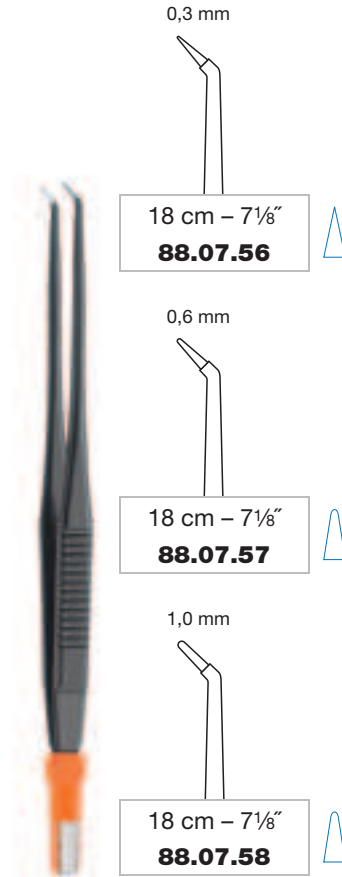
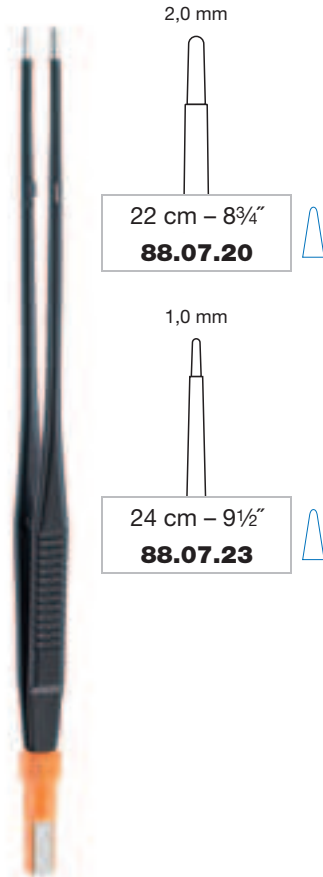


stumpf
blunt
roma
mousse
smussa

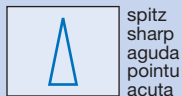
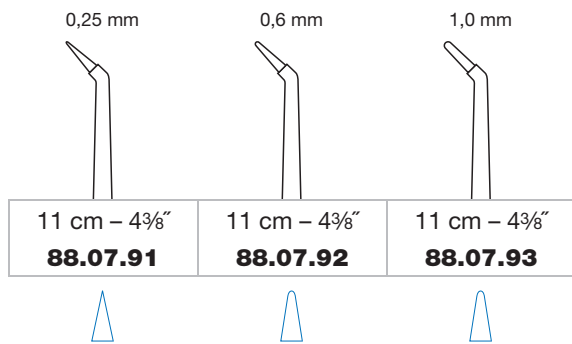
Bipolare Antihaft-Pinzetten
Bipolar Non-stick Forceps
Pinzas bipolares no adherentes
Pinces bipolaires anti-adhésives
Pinze bipolari antiaderenti

A04

MAGIC
 non-stick



Juwelierpinzetten
 Jeweler's forceps
 Pinzas para joyero/relojero
 Pinces pour joaillier/horloger
 Pinze per gioielliere/orologiaio



spitz
 sharp
 aguda
 pointu
 acuta



stumpf
 blunt
 roma
 mousse
 smussa

**A04**

Bipolare Antihaft-Pinzetten
Bipolar Non-stick Forceps
Pinzas bipolares no adherentes
Pinces bipolaires anti-adhésives
Pinze bipolari antiaderenti

MAGIC
non-stick

Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pinces en forme baïonnette
 Pinze a forma di baionetta



a

0,3 mm	0,6 mm	1,0 mm	1,3 mm	2,0 mm
a = 100 mm 20 cm – 8"	a = 100 mm 20 cm – 8"	a = 100 mm 20 cm – 8"	a = 100 mm 20 cm – 8"	a = 100 mm 20 cm – 8"
88.08.01	88.08.02	88.08.03	88.08.04	88.08.05
0,3 mm	0,6 mm	1,0 mm	1,3 mm	2,0 mm
a = 130 mm 22 cm – 8¾"	a = 130 mm 22 cm – 8¾"	a = 130 mm 22 cm – 8¾"	a = 130 mm 22 cm – 8¾"	a = 130 mm 22 cm – 8¾"
88.08.06	88.08.07	88.08.08	88.08.09	88.08.10
0,3 mm	0,6 mm	1,0 mm	1,3 mm	2,0 mm
a = 150 mm 24 cm – 9½"	a = 150 mm 24 cm – 9½"	a = 150 mm 24 cm – 9½"	a = 150 mm 24 cm – 9½"	a = 150 mm 24 cm – 9½"
88.08.11	88.08.12	88.08.13	88.08.14	88.08.15



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa




MAGIC non-stick




Bipolare Antihaft-Pinzetten
Bipolar Non-stick Forceps
Pinzas bipolares no adherentes
Pinces bipolaires anti-adhésives
Pinze bipolari antiaderenti



A04



Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pinces en forme baïonnette
 Pinze a forma di baionetta

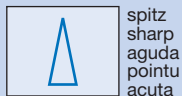


0,3 mm 	0,6 mm 	1,0 mm 
a = 80 mm 18 cm – 7 1/8"	a = 80 mm 18 cm – 7 1/8"	a = 80 mm 18 cm – 7 1/8"
88.08.91	88.08.92	88.08.93

0,3 mm 	0,6 mm 	1,0 mm 
a = 100 mm 20 cm – 8"	a = 100 mm 20 cm – 8"	a = 100 mm 20 cm – 8"
88.08.71	88.08.72	88.08.73

0,3 mm 	0,6 mm 
a = 120 mm 22 cm – 8 3/4"	a = 120 mm 22 cm – 8 3/4"
88.08.76	88.08.77

0,3 mm 	0,6 mm 
a = 140 mm 24 cm – 9 1/2"	a = 140 mm 24 cm – 9 1/2"
88.08.81	88.08.82



spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa

**A04**

Bipolare Pinzetten
Bipolar Forceps
Pinzas bipolares
Pinces bipolaires
Pinze bipolari



0,15 mm	0,6 mm	0,15 mm	0,6 mm
16,5 cm – 6½"	16,5 cm – 6½"	16,5 cm – 6½"	16,5 cm – 6½"
88.17.05	88.17.06	88.17.07	88.17.08
0,15 mm	0,6 mm	0,15 mm	0,6 mm
20 cm – 8"	20 cm – 8"	20 cm – 8"	20 cm – 8"
88.20.05	88.20.06	88.20.07	88.20.08

Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pinces en forme baïonnette
 Pinze a forma di baionetta



1,0 mm	1,0 mm
a = 90 mm	a = 90 mm
19 cm – 7½"	19 cm – 7½"
88.70.38	88.70.39



spitz
 sharp
 aguda
 pointu
 acuta



stumpf
 blunt
 roma
 mousse
 smussa

Bipolare Pinzetten
Bipolar Forceps
Pinzas bipolares
Pinces bipolaires
Pinze bipolari

A04



0,15 mm	0,6 mm	0,15 mm	0,6 mm
11 cm – 4 ³ / ₈ "	11 cm – 4 ³ / ₈ "	11 cm – 4 ³ / ₈ "	11 cm – 4 ³ / ₈ "
88.12.05	88.12.06	88.12.07	88.12.08

Bajonettpinzetten
 Bayonet forceps
 Pinzas en forma bayoneta
 Pinces en forme baïonnette
 Pinze a forma di baionetta



0,3 mm	0,7 mm	1,2 mm
a = 95 mm	a = 95 mm	a = 95 mm
19 cm – 7 ¹ / ₂ "	19 cm – 7 ¹ / ₂ "	19 cm – 7 ¹ / ₂ "
88.70.05	88.70.06	88.70.16
0,3 mm	0,7 mm	1,2 mm
a = 125 mm	a = 125 mm	a = 125 mm
22,5 cm – 9"	22,5 cm – 9"	22,5 cm – 9"
88.23.03	88.23.07	88.23.12
0,3 mm	0,7 mm	1,2 mm
a = 145 mm	a = 145 mm	a = 145 mm
24 cm – 9 ¹ / ₂ "	24 cm – 9 ¹ / ₂ "	24 cm – 9 ¹ / ₂ "
88.24.03	88.24.07	88.24.12



spitz
 sharp
 aguda
 pointu
 acuta



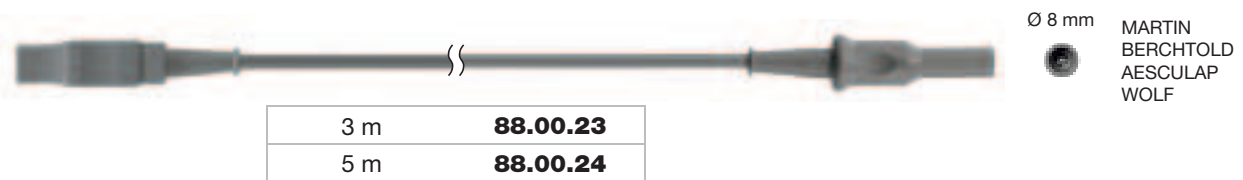
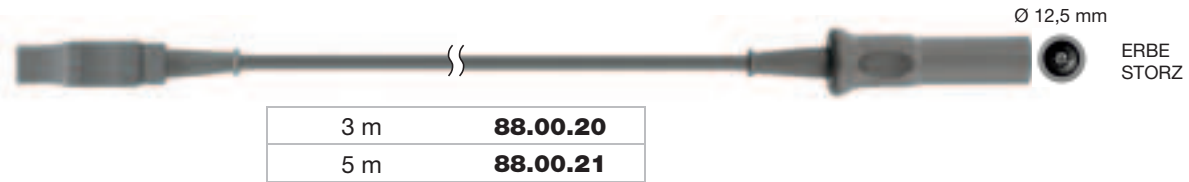
stumpf
 blunt
 roma
 mousse
 smussa

**A04**

Bipolare Anschlusskabel und Halteklammer
Bipolar Connecting Cables and Bracket
Cables de conexión bipolar y dispositivo
Câbles connecteurs bipolaires et dispositif
Cavi di connessione bipolari e dispositivo di tenuta

Stecker für Instrumente (siehe Seite 58-63)
 Connector for instruments (see page 58-63)
 Enchufe para instrumentos (véase página 58-63)
 Fiche pour instruments (voir page 58-63)
 Attacco per strumenti (vedi pagina 58-63)

Stecker für Geräte von:
 Connector for generator of:
 Enchufe para equipos de:
 Fiche pour appareils de:
 Attacco per apparecchi:



Halteklammer für ein Hochfrequenzkabel mit Knickschutz
Bracket for one high frequency cable with bend protection
Dispositivo para un cable de alta frecuencia con protección contra pliegues de cables
Dispositif pour un câble à haute fréquence avec protection contre plis de câble
Dispositivo di tenuta 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 serves 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 per 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**



Nadelhalter
Needle Holders
Porta-agujas
Porte-aiguilles
Portaghi

A05



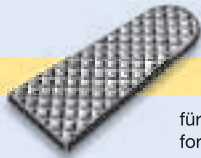
A05

“HM”

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

N 0,5 mm

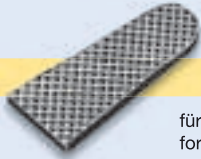
normal
 regular
 normal
 normale
 normale



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

F 0,4 mm

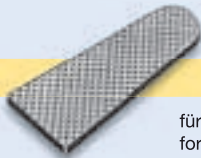
fein
 fine
 fine
 fine
 fine



für feine Nadeln und Nahtmaterial in der 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 di 5-0 e 6-0

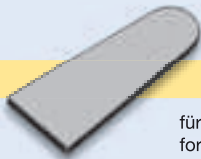
EF 0,3 mm

extra-fein
 extra-fine
 extra-fino
 extra-fine
 extra-fine

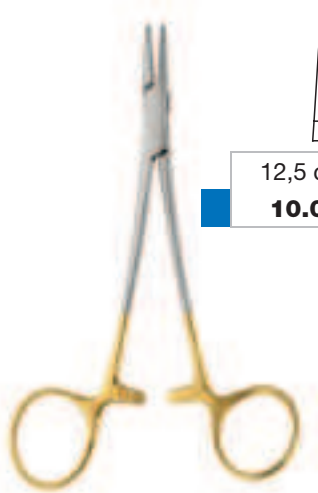


für Mikro-Nadeln und Nahtmaterial bis Stärke 10-0
 for micro-needles and sutures up to size 10-0
 para micro-agujas y material de sutura hasta el espesor de 10-0
 pour micro-aiguilles et matériel à suture jusqu'à une épaisseur de 10-0
 per aghi micro e materiale per sutura fino ad uno spessore di 10-0

glatt
 smooth
 liso
 lisse
 liscia

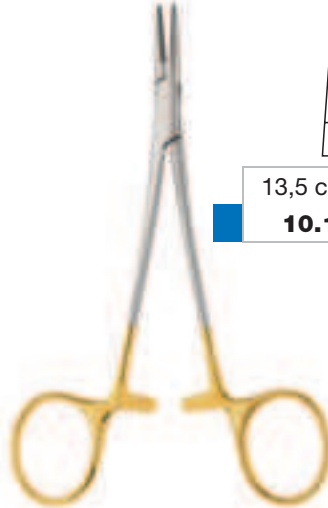


für feine Nadeln und Nahtmaterial in der Stärke 7-0 bis 10-0
 for delicate needles and sutures from sizes 7-0 to 10-0
 para agujas finas y material de sutura para espesores 7-0 y 10-0
 pour aiguilles fines et matériel à suture d'une épaisseur de 7-0 à 10-0
 per aghi fini e materiale per sutura fino ad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



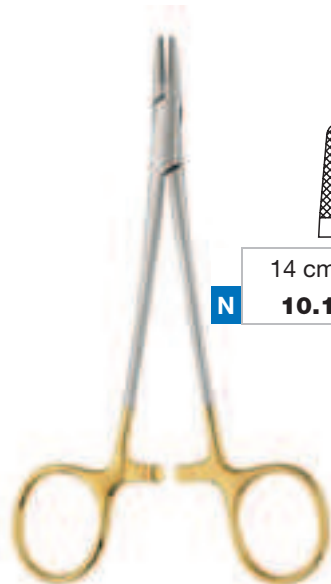
12,5 cm – 5"
10.08.62

Neivert "HM"



13,5 cm – 5 3/8"
10.10.63

Halsey "HM"



N 14 cm – 5 1/2"
10.14.64

Baumgartner "HM"



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

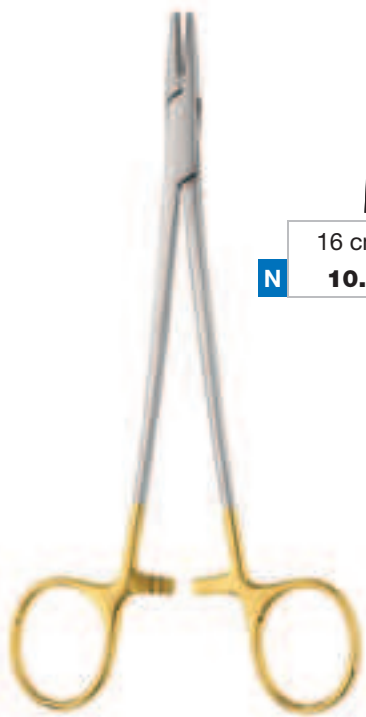
N 4-0
 normal
 regular
 normal
 normale
 normale

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



Nadelhalter
Needle Holders
Porta-agujas
Porte-aiguilles
Portaghi

A05



Mayo-Hegar "HM"

N

16 cm – 6¼"
10.18.65

18 cm – 7⅛"
10.18.68

20 cm – 8"
10.18.70

23 cm – 9"
10.18.73

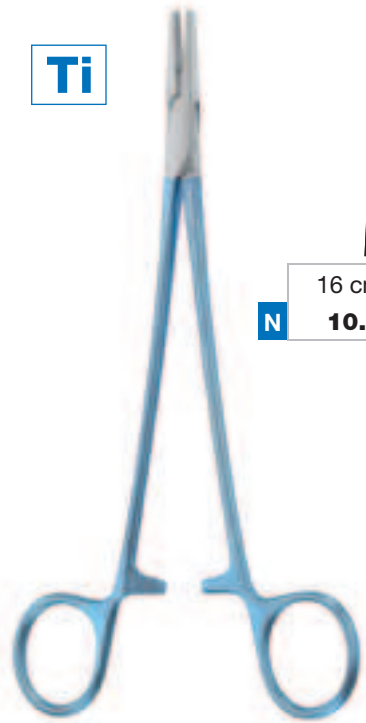
N

24 cm – 9½"
10.18.74

26 cm – 10¼"
10.18.76

30 cm – 11¾"
10.18.80

Ti



Mayo-Hegar "HM"

N

16 cm – 6¼"
10.18.85

18 cm – 7⅛"
10.18.88

20 cm – 8"
10.18.90

23 cm – 9"
10.18.93

"HM"

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

Ti

Titan
Titanium
Titanio
Titane
Titano

N
4-0

normal
regular
normal
normale
normale



Nadelhalter
Needle Holders
Porta-agujas
Porte-aiguilles
Portaghi

A05



15 cm – 6"
10.20.14

Baby-Crile-Wood



15 cm – 6" **10.20.15** 18 cm – 7 1/8" **10.20.18**

20 cm – 8" **10.20.20** 23 cm – 9" **10.20.23**

Crile-Wood



Crile-Wood "HM"
(DeBakey "HM")

F 15 cm – 6" **10.20.65** 18 cm – 7 1/8" **10.20.68** 20 cm – 8" **10.20.70** 23 cm – 9" **10.20.73**

F 25 cm – 10" **10.20.75** 26 cm – 10 1/4" **10.20.76** 30 cm – 11 3/4" **10.20.80**

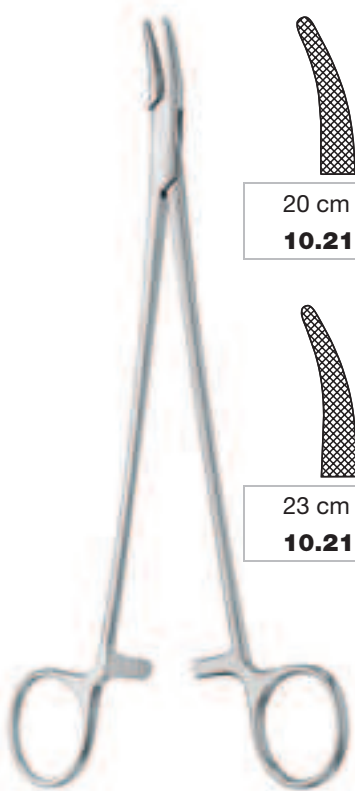
"HM"
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno

F
 fein
 fine
 fino
 fine
 fine




Nadelhalter
Needle Holders
Porta-agujas
Porte-aiguilles
Portaghi


A05



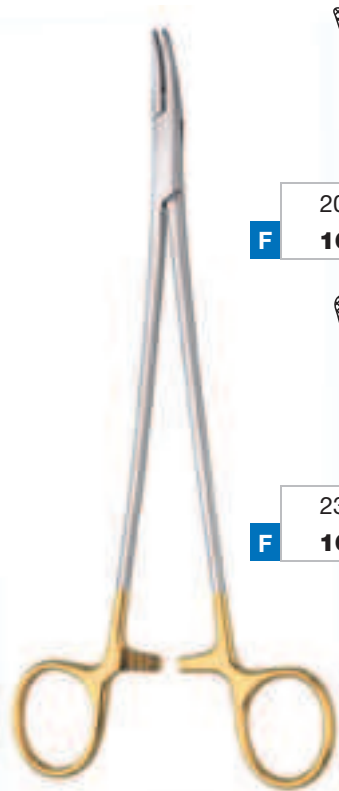
Julian




20 cm – 8"
10.21.20




23 cm – 9"
10.21.23



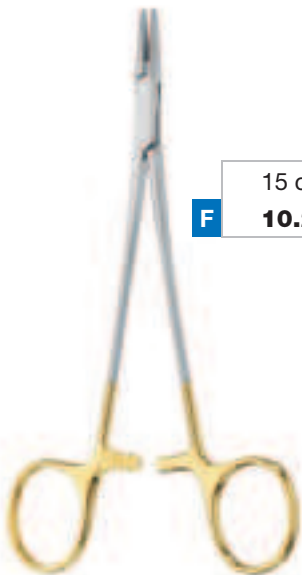
Julian "HM"




F 20 cm – 8"
10.21.70



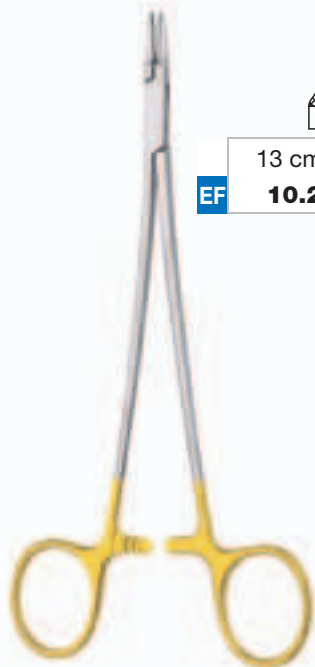
F 23 cm – 9"
10.21.73




Baby-Crile-Wood "HM"




F 15 cm – 6"
10.20.64




Mini-Ryder "HM"




EF 13 cm – 5 1/8"
10.28.63




15 cm – 6"
10.28.65



18 cm – 7 1/8"
10.28.68



EF 20 cm – 8"
10.28.70

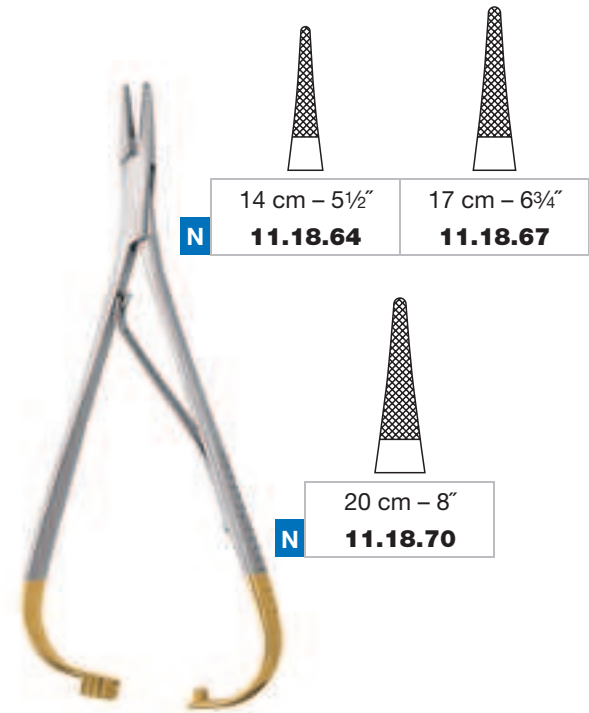


23 cm – 9"
10.28.73

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

EF
10-0
extra-fein
extra-fine
extra-fino
extra-fine
extra-fine

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

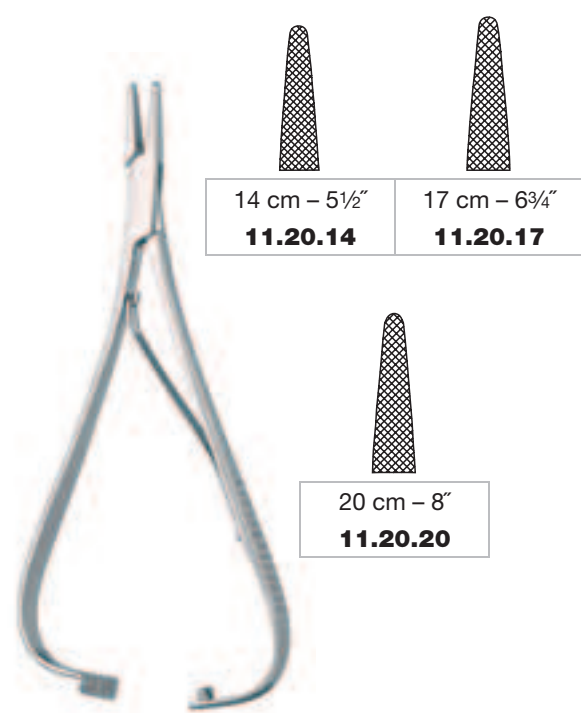


N

14 cm – 5½"
11.18.64

17 cm – 6¾"
11.18.67

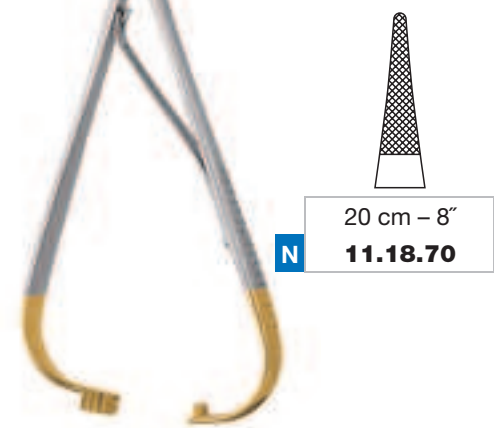
Mathieu-Kocher "HM"



14 cm – 5½"
11.20.14

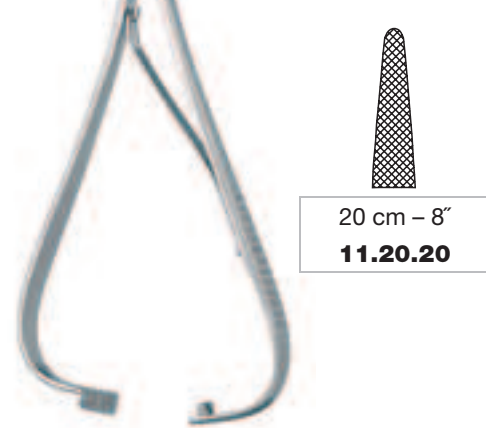
17 cm – 6¾"
11.20.17

Mathieu



N

20 cm – 8"
11.18.70



20 cm – 8"
11.20.20

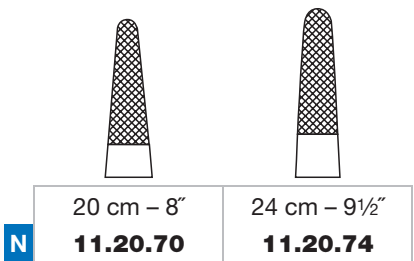


N

14 cm – 5½"
11.20.64

17 cm – 6¾"
11.20.67

Mathieu "HM"



N

20 cm – 8"
11.20.70

24 cm – 9½"
11.20.74

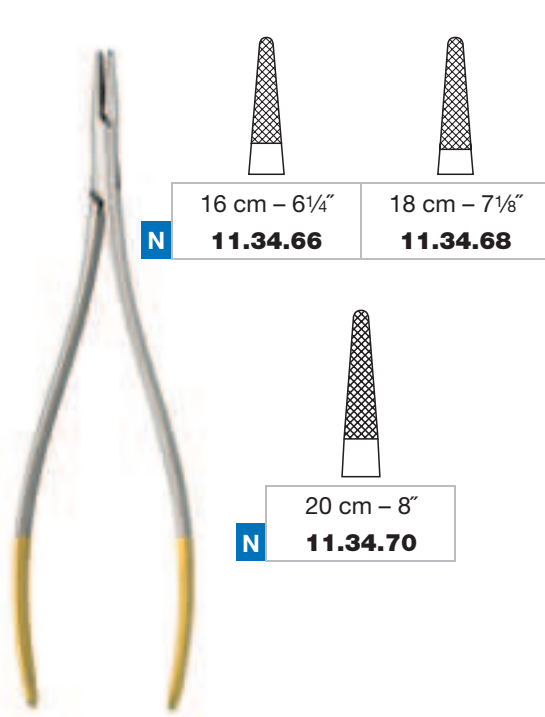
"HM"
 Hartmetall
 Tungsten carbide
 Carburo de tungsteno
 Carbure de tungstène
 Carburo di tungsteno

N
 4-0
 normal
 regular
 normal
 normale
 normale

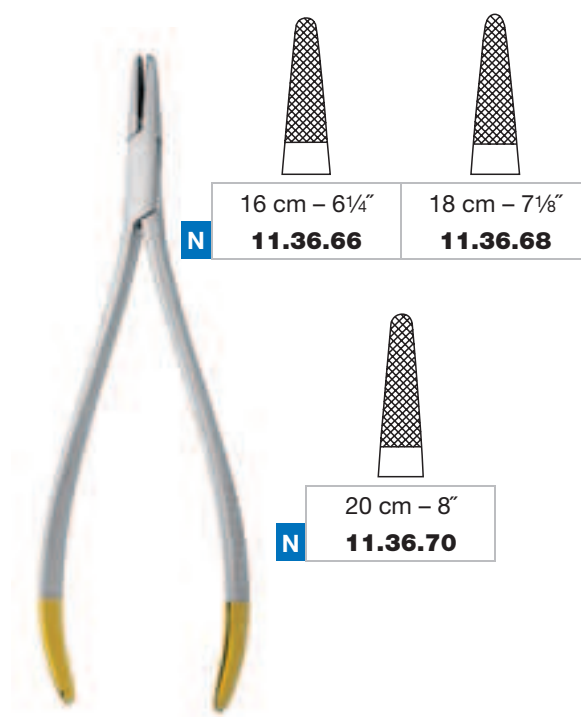


A05

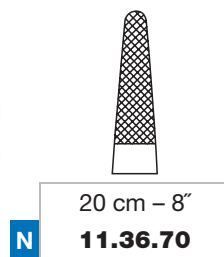
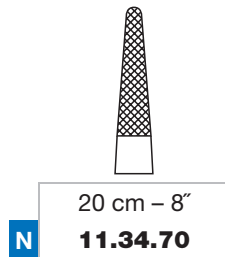
Nadelhalter und Mikro-Nadelhalter
Needle Holders and Micro Needle Holders
Porta-agujas y micro porta-agujas
Porte-aiguilles et micro porte-aiguilles
Portaghi e micro portaghi



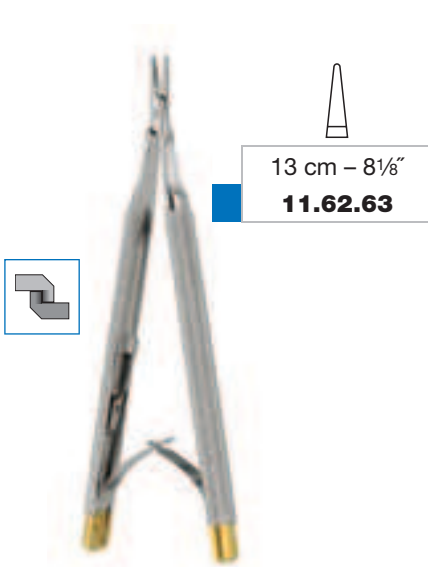
Toennis "HM"



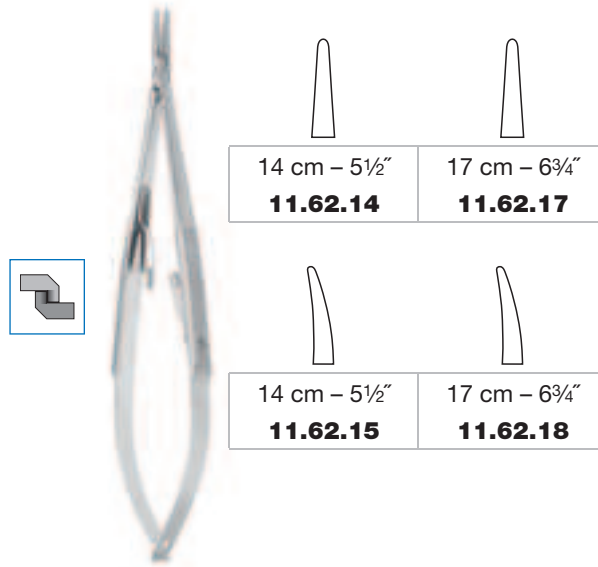
Langenbeck "HM"



Mikro-Nadelhalter
 Micro needle holders
 Micro porta-agujas
 Micro porte-aiguilles
 Micro portaghi



Castroviejo "HM"



Castroviejo



Castroviejo-micro



14,5 cm – 5¾"
11.70.22



14,5 cm – 5¾"
11.70.23



14,5 cm – 5¾"
11.70.24



14,5 cm – 5¾"
11.70.25



11,5 cm – 4½"
11.74.13



14 cm – 5½"
11.74.23



11,5 cm – 4½"
11.74.15



14 cm – 5½"
11.74.25



Barraquer



14 cm – 5½"
11.62.64



17 cm – 6¾"
11.62.67



14 cm – 5½"
11.62.84



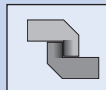
17 cm – 6¾"
11.62.87



Castroviejo "HM"

"HM"

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



mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera

EF

10-0

extra-fein
 extra-fine
 extra-fino
 extra-fine
 extra-fine

7-0 to 10-0

glatt
 smooth
 liso
 lisse
 liscia



A05

Mikro-Nadelhalter
Micro Needle Holders
Micro porta-agujas
Micro porte-aiguilles
Micro portaghi



Jacobson



18,5 cm – 7¼"
11.82.18



21 cm – 8¼"
11.82.21



Jacobson "HM"



18,5 cm – 7¼"
11.80.68



21 cm – 8¼"
11.80.71



18,5 cm – 7¼"
11.82.68



21 cm – 8¼"
11.82.71



Yasargil



16 cm – 6¼"
12.15.50



16 cm – 6¼"
12.15.51



Jacobson "HM"



18 cm – 7⅛"
11.84.68



18 cm – 7⅛"
11.85.68





18 cm – 7⅛"
11.86.68




18 cm – 7⅛"
11.87.68



 glatt
smooth
liso
liscia

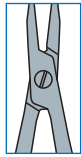
 fein
fine
fino
fine

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

 mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Mikro-Nadelhalter
Micro Needle Holders
Micro porta-agujas
Micro porte-aiguilles
Micro portaghi

A05



0,4 mm



0,4 mm



0,5 mm

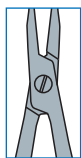


0,5 mm



13 cm – 5 1/8"	12.12.54	12.12.55		12.12.59
15 cm – 6"	12.15.76	12.15.77		
18 cm – 7 1/8"	12.18.76	12.18.77	12.18.80	12.18.81
21 cm – 8 1/4"	12.21.76	12.21.77	12.21.80	12.21.81

15 cm – 6"	12.15.56	12.15.57			
18 cm – 7 1/8"	12.18.56	12.18.57	12.18.60	12.18.61	
21 cm – 8 1/4"	12.21.56	12.21.57	12.21.60	12.21.61	



0,4 mm



0,4 mm



0,5 mm



0,5 mm



13 cm – 5 1/8"	12.12.56	12.12.57		12.12.61
15 cm – 6"	12.15.78	12.15.79		
18 cm – 7 1/8"	12.18.78	12.18.79	12.18.82	12.18.83
21 cm – 8 1/4"	12.21.78	12.21.79	12.21.82	12.21.83

15 cm – 6"	12.15.66	12.15.67			
18 cm – 7 1/8"	12.18.66	12.18.67	12.18.68	12.18.69	
21 cm – 8 1/4"	12.21.66	12.21.67	12.21.70	12.21.71	

mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera

Beschichtung mit Diamantstaub
Coating with diamond dust
Recubierto con polvo de diamante
Revêtement avec de poussière de diamant
Rivestito con polvere di diamante

Rundgriff
Round handle
Mango redondo
Manche rond
Manico rotondo

**A05**

Mikro-Nadelhalter
Micro Needle Holders
Micro porta-agujas
Micro porte-aiguilles
Micro portaghi

**micro 2000**

15 cm – 6"
12.15.70



15 cm – 6"
12.15.71



18 cm – 7 1/8"
12.18.70



18 cm – 7 1/8"
12.18.71

**micro 2000**

15 cm – 6"
12.15.72



15 cm – 6"
12.15.73



18 cm – 7 1/8"
12.18.72



18 cm – 7 1/8"
12.18.73



18 cm – 7 1/8"
12.18.74



18 cm – 7 1/8"
12.18.75



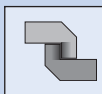
Instrumente mit blau eloxierten
 Leichtmetall-Griffen für höchste
 Präzision und Arbeitskomfort.

Instruments with blue anodized light
 metal handles for maximum precision
 and working convenience.

Instrumentos con mangos de metal
 ligero anodizados en azul para la
 precisión y el confort de trabajo
 máximo.

Instruments avec manches en métal
 léger anodisés en bleu pour un
 maximum de précision et de confort
 à l'utilisation.

Strumenti con manici di metallo
 leggero anodizzati blu per una
 precisione massima e conforto
 lavorativo.



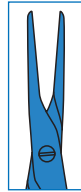
mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera



Beschichtung mit Diamantstaub
 Coating with diamond dust
 Recubierto con polvo de diamante
 Revêtement avec de poussière de diamant
 Rivestito con polvere di diamante

Mikro-Nadelhalter
Micro Needle Holders
Micro porta-agujas
Micro porte-aiguilles
Micro portaghi

A05



Ti

8 mm



15 cm – 6"
12.16.75



18 cm – 7 1/8"
12.18.85



21 cm – 8 1/4"
12.21.95



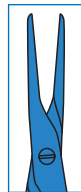
15 cm – 6"
12.16.77



18 cm – 7 1/8"
12.18.87



21 cm – 8 1/4"
12.21.97



Ti

8 mm



15 cm – 6"
12.16.76



18 cm – 7 1/8"
12.18.86



21 cm – 8 1/4"
12.21.96



15 cm – 6"
12.16.78



18 cm – 7 1/8"
12.18.88



21 cm – 8 1/4"
12.21.98



A05

Mikro-Nadelhalter
Micro Needle Holders
Micro porta-agujas
Micro porte-aiguilles
Micro portaghi



micro 2000

12 cm - 4¾"	12 cm - 4¾"
12.12.40	12.12.41

12 cm - 4¾"	12 cm - 4¾"
12.12.42	12.12.43

12 cm - 4¾"
12.12.48



micro 2000

15 cm - 6"	15 cm - 6"
12.15.30	12.15.31

15 cm - 6"	15 cm - 6"
12.15.32	12.15.33



Yasargil

a = 70 mm 16 cm - 6¼"	a = 90 mm 18,5 cm - 7¼"
58.16.45	58.19.45

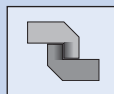
a = 70 mm 16 cm - 6¼"	a = 90 mm 18,5 cm - 7¼"
58.16.48	58.19.40



Yasargil

a = 85 mm 20 cm - 8"	a = 100 mm 23 cm - 9"
59.20.40	59.23.42

a = 85 mm 20 cm - 8"	a = 100 mm 23 cm - 9"
59.20.45	59.23.45



mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera

Saug- und Spülinstrumente
Suction and Irrigating Instruments
Instrumentos de aspiración y de lavado
Instruments à aspiration et à irrigation
Strumenti per aspirazione e lavaggio

A06

Konisches Saugrohr verhindert ein Verstopfen der Kanüle
 Bajonettverschluss für schnellen Kanülenwechsel
 Einfache Zerlegbarkeit für optimale Reinigung

Conical suction tube prevents clogging of the cannula
 Bayonet joint for quick cannula changes
 Easy dismantling for best possible cleaning

La cánula cónica de succión evita la obstrucción de la misma
 Cierre de bayoneta para el cambio rápido de las cánulas
 Fácil desmontaje para una limpieza óptima

Un tuyau conique prévient le colmatage de la canule
 Fermeture de type baïonnette pour un remplacement rapide de la canule
 Démontage facile pour un nettoyage optimal

Cannule d'aspirazione coniche per evitare che si otturino
 Attacco a baionetta per una rapida sostituzione della cannula
 Facile da smontare per una pulizia ottimale



Progressive und ergonomische Regulierung der Saugkraft
Progressive and ergonomic adjustment of the suction power
Regulación progresiva y ergonómica de la potencia de aspiración
Réglage progressif et ergonomique de la puissance d'aspiration
Regolazione progressiva ed ergonomica dell'intensità d'aspirazione

entwickelt in Zusammenarbeit mit:
 developed in cooperation with:
 desarrollado en colaboración con:
 développée en collaboration avec:
 sviluppato in collaborazione con:

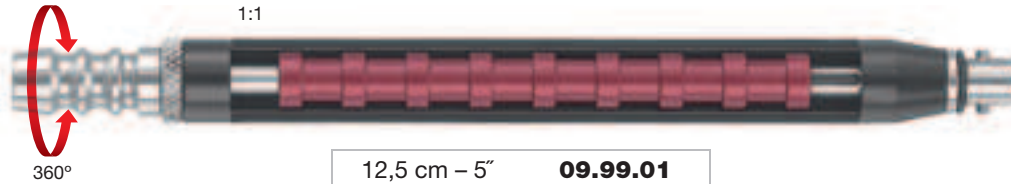
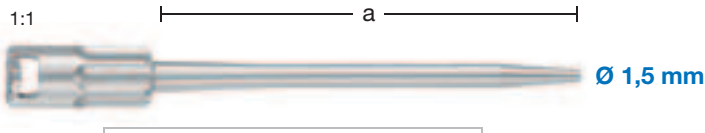
Prof. Marco Cenzato
 Head of Department Neuro Surgery
 Hospital Niguarda Ca' Granda - Milan

**A06**

Saug- und Spülinstrumente
Suction and Irrigating Instruments
Instrumentos de aspiración y de lavado
Instrumenti à aspiration et à irrigation
Strumenti per aspirazione e lavaggio

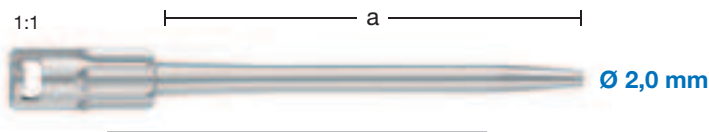
P ♦ E ♦ N

Handgriff mit drehbarem Schlauchansatz
 Handle with rotatable tube connection
 Mango con empalme giratorio para tubo
 Manche avec embout de tuyau pivotant
 Manico con attacco girevole per tubo

12,5 cm – 5" **09.99.01**

a = 55 mm	09.99.07
a = 90 mm	09.99.08
a = 110 mm	09.99.09

Saugkanülen (biegbar)
 Suction cannulas (malleable)
 Cánulas de aspiración (maleables)
 Canules à aspiration (malléables)
 Cannule per aspirazione (malleabili)



a = 55 mm	09.99.11
a = 90 mm	09.99.12
a = 110 mm	09.99.13

Ersatz-O-Ring
 Replacement O-ring
 Anillo tórico de repuesto
 Joint torique de rechange
 Guarnizione circolare di ricambio

P  **909.81.01**

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



Saugkanülenrohre sind konisch
 Conical shape of the suction cannules
 Forma cónica de la cánulas
 Canules de forme conique
 Cannule di forma conica



biegbar
 malleable
 maleables
 malléables
 malleabili



Saug- und Spülinstrumente
Suction and Irrigating Instruments
Instrumentos de aspiración y de lavado
Instrumenti à aspiration et à irrigation
Strumenti per aspirazione e lavaggio

A06

Punktionskanülen
 Puncture cannulas
 Cánulas para punción
 Canules à ponction
 Cannule per puntura



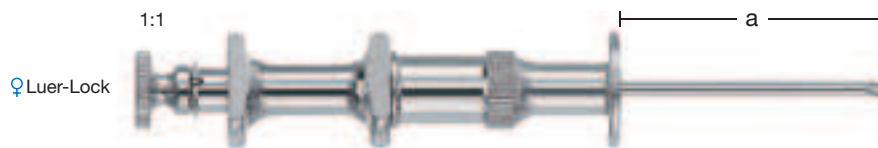
Quincke		
a = 80 mm	09.72.07	Ø 0,7 mm
a = 90 mm	09.72.08	Ø 0,7 mm
a = 80 mm	09.72.10	Ø 1,0 mm
a = 90 mm	09.72.11	Ø 1,0 mm
a = 90 mm	09.72.12	Ø 1,2 mm
a = 100 mm	09.72.13	Ø 1,2 mm
a = 150 mm	09.72.14	Ø 1,2 mm



Tuohy		
a = 80 mm	09.73.12	Ø 1,30 mm
a = 80 mm	09.73.14	Ø 1,50 mm
a = 80 mm	09.73.16	Ø 1,65 mm



Bier		
a = 80 mm	09.73.92	Ø 1,2 mm
a = 90 mm	09.73.93	Ø 1,2 mm



Klima-Rosegger		
a = 35 mm	09.70.18	Ø 1,8 mm

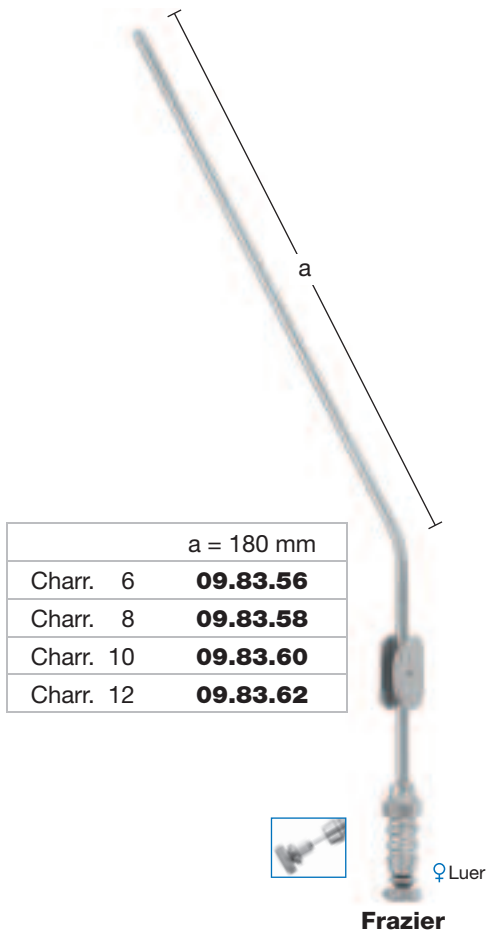
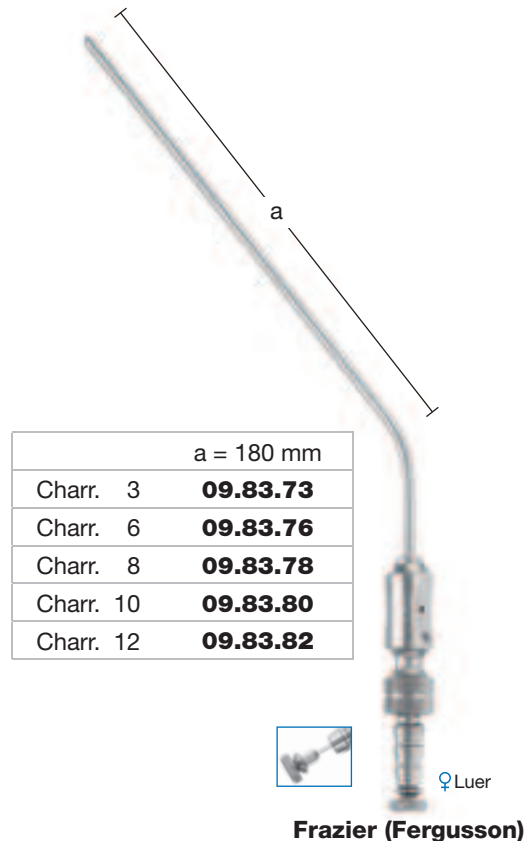
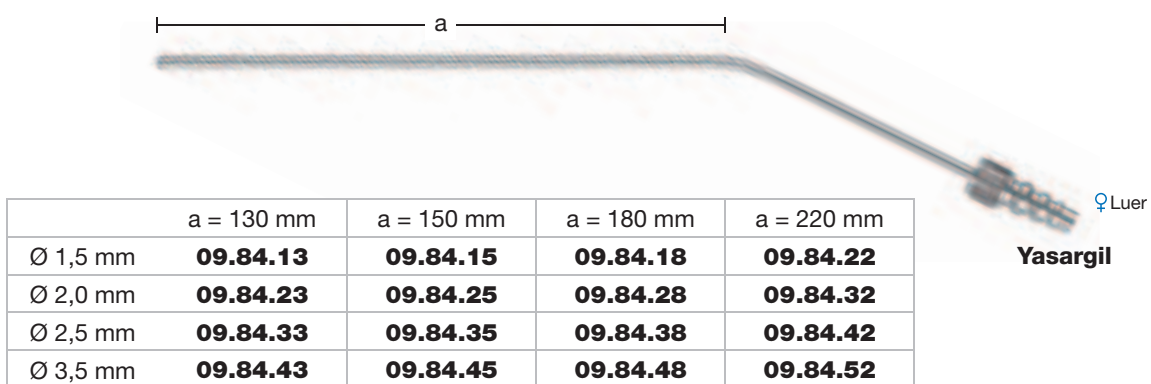
graduiert in cm
 graduated in cms
 graduado en cm
 graduée en cm
 graduato in cm



Frazier		
a = 100 mm	57.39.02	Ø 2,0 mm

**A06**

Saug- und Spülinstrumente
Suction and Irrigating Instruments
Instrumentos de aspiración y de lavado
Instrumenti à aspiration et à irrigation
Strumenti per aspirazione e lavaggio

**Frazier****Frazier (Fergusson)****Yasargil**

mit Mandrin
 with guide
 con mandril
 avec mandril
 con mandrino

Saug- und Spülinstrumente
Suction and Irrigating Instruments
Instrumentos de aspiración y de lavado
Instruments à aspiration et à irrigation
Strumenti per aspirazione e lavaggio

A06

Bajonett-Saugkanüle
 Bayonet suction cannula
 Cánula de aspiración en forma bayoneta
 Canule à aspiration en forme baïonnette
 Cannula per aspirazione a forma di baionetta



Charr.	9	09.83.99	22,5 cm – 9"
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„Tropfen“-Saugkanülen (biegbar)
 “Drop-shape design” suction cannulas (malleable)
 Cánulas de aspiración con dispositivo en forma de “gota” (maleables)
 Canules à aspiration avec dispositif en forme de “goutte” (malléables)
 Cannule per aspirazione con dispositivo a forma di “goccia” (malleabili)



Saugkraft ist durch die Saugunterbrechung regulierbar
 Interruption of suction power by taking off the thumb
 Interrupción de la fuerza de succión al destapar la apertura
 Réglage de la succion en retirant le doigt du dispositif
 Controllo della capacità di aspirazione tramite il dispositivo



	a = 120 mm	a = 150 mm
Ø 1,0 mm	58.24.15	58.24.21
Ø 1,5 mm	58.24.16	58.24.22
Ø 2,0 mm	58.24.17	58.24.23
Ø 2,5 mm	58.24.18	58.24.24
Ø 3,0 mm	58.24.19	58.24.25
Ø 4,0 mm	58.24.20	58.24.26
Ø 5,0 mm	58.24.30	58.24.31



Saugkanülenrohre sind konisch
 Conical shape of the suction cannules
 Forma cónica de la cánula
 Canules de forme conique
 Cannule di forma conica



mit Mandrin
 with guide
 con mandril
 avec mandrin
 con mandrino



biegbar
 malleable
 maleables
 malléables
 malleabili

medicon-cat NEURO

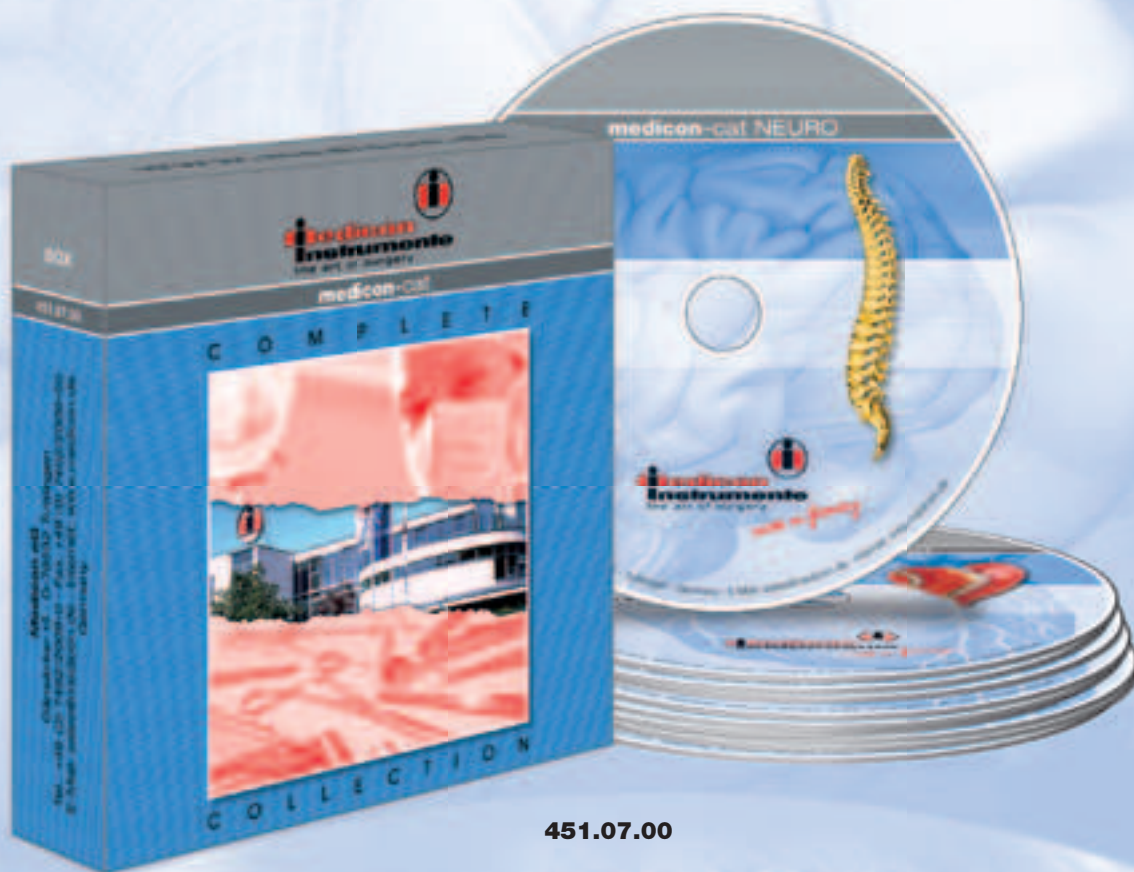
Für unsere Partner organisieren wir Fortbildungsveranstaltungen und bieten Seminare an. Auch weiterbildende Literatur und CD's stellen wir gerne zur Verfügung.

We organise training courses and offer seminars for our business partners. We also assist our clients with sales tools like literature and CDs.

Ofrecemos seminarios y organizamos cursillos de perfeccionamiento para nuestros clientes. También ponemos a su disposición literatura y CDs.

Pour nos partenaires, nous organisons des séminaires de formation continue. Nous proposons également des livres et des CDRoms de perfectionnement, car, comme nous le savons, le service relie les hommes.

Organizziamo corsi di perfezionamento professionale per i nostri partner ed offriamo seminari. Mettiamo a disposizione volentieri anche letteratura di perfezionamento professionale e CD.



451.07.00

Atraumatische Bulldog-Klemmen
Atraumatic Bulldog Clamps
Clamps Bulldog atraumáticas
Clamps Bulldog atraumatiques
Pinze Bulldog atraumatiche

A07

- ▶ Delikate Modelle mit geringem Gewicht und differenzierter Schließkraft für Vene und Arterie
- ▶ Delicate types with light weight and different closing pressure for veins and arteries
- ▶ Modelos delicados con peso mínimo y fuerza de cierre diferenciada para venas y arterias
- ▶ Modèles délicats avec poids réduit et forces différentes de fermeture pour veines et pour artères
- ▶ Modelli delicati con peso minimo e forza di chiusura differenziata per vene ed arterie

Ti

1:1

3 cm – 1 1/8" 15.04.30	3,5 cm – 1 3/8" 15.04.35	4 cm – 1 1/2" 15.04.40	5 cm – 2" 15.04.50	
3 cm – 1 1/8" 15.04.31	3,5 cm – 1 3/8" 15.04.36	4 cm – 1 1/2" 15.04.41	5 cm – 2" 15.04.51	

Ti

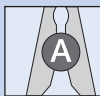
1:1

3 cm – 1 1/8" 15.05.30	3,5 cm – 1 3/8" 15.05.35	4 cm – 1 1/2" 15.05.40	5 cm – 2" 15.05.50	
3 cm – 1 1/8" 15.05.31	3,5 cm – 1 3/8" 15.05.36	4 cm – 1 1/2" 15.05.41	5 cm – 2" 15.05.51	

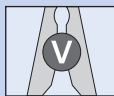
Ti

1:1

3 cm – 1 1/8" 15.07.30	3,5 cm – 1 3/8" 15.07.35	4 cm – 1 1/2" 15.07.40	5 cm – 2" 15.07.50	
3 cm – 1 1/8" 15.07.31	3,5 cm – 1 3/8" 15.07.36	4 cm – 1 1/2" 15.07.41	5 cm – 2" 15.07.51	



starke Schließkraft, für Arterien
 strong closing pressure, for arteries
 fuerza de cierre alta, para arterias
 force de fermeture forte, pour artères
 forza di chiusura forte, per arterie



schwache Schließkraft, für Venen
 soft closing pressure, for veins
 fuerza de cierre baja, para venas
 force de fermeture faible, pour veines
 forza di chiusura debole, per vene



Titan
 Titanium
 Titano
 Titane
 Titanio



Bulldog-Klemmen
Bulldog Clamps
Clamps Bulldog
Clamps Bulldog
Pinze Bulldog

A07

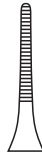


1:1

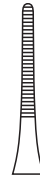
Diethrich



4,5 cm – 1¾"
F = 100 g
15.10.08



5 cm – 2"
F = 100 g
15.10.12



5,5 cm – 2⅛"
F = 100 g
15.10.16

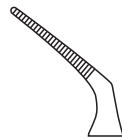


1:1

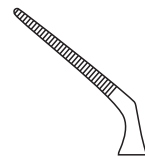
Diethrich



4,5 cm – 1¾"
F = 100 g
15.11.08



5 cm – 2"
F = 100 g
15.11.12



5,5 cm – 2⅛"
F = 100 g
15.11.16



1:1

Dieffenbach



3,8 cm – 1½"
15.10.38



5,1 cm – 2"
15.10.51



1:1

Dieffenbach



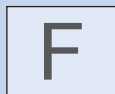
3,8 cm – 1½"
15.11.38



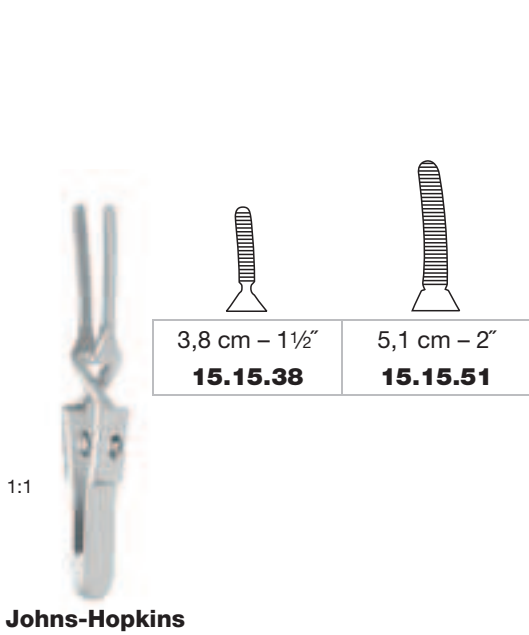
5,1 cm – 2"
15.11.51



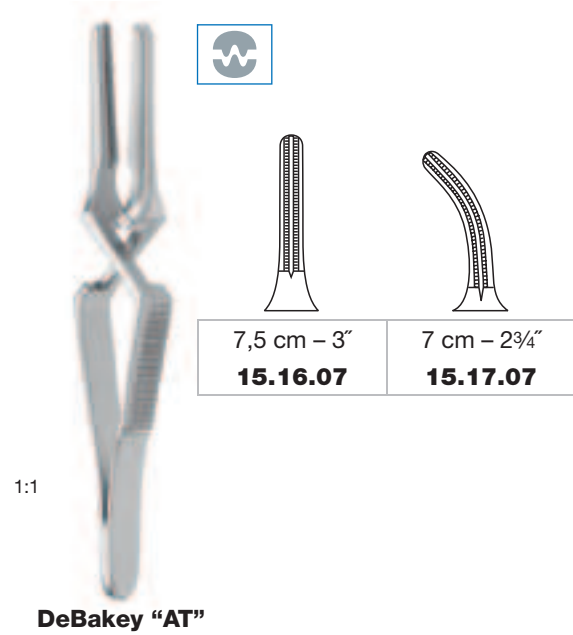
Gewicht
Weight
Peso
Poids
Peso



Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura



Johns-Hopkins

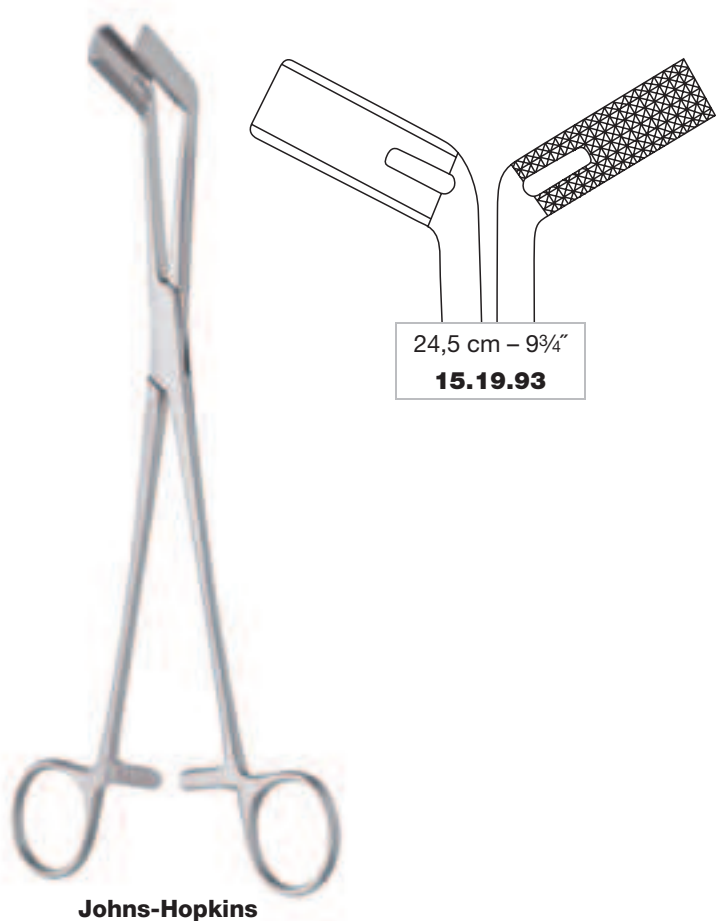


DeBakey "AT"

Anlege- und Entnahmezange
 Applying and removing forceps
 Pinza para aplicar y quitar
 Pince à poser et retirer
 Pinza per applicare e togliere

für Bulldog-Klemmen:
 for Bulldog clamps:
 para clamps Bulldog:
 pour clamps Bulldog:
 per pinze Bulldog:

Johns-Hopkins
DeBakey "AT"



Johns-Hopkins

"AT"

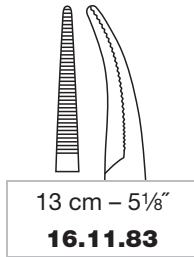
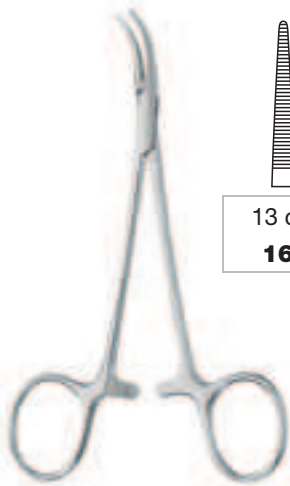
 Atraumatiche Riefung
 Atraumatic serration
 Estrías atraumáticas
 Striure atraumatique
 Zigrinatura atraumatica



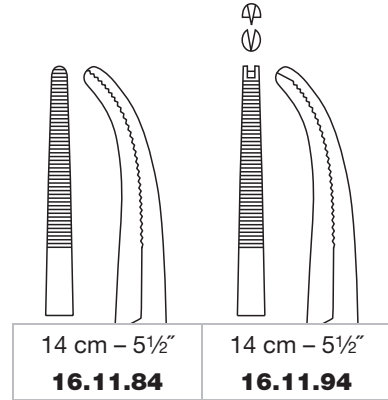
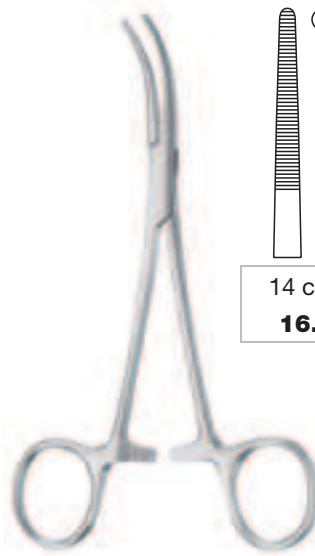
A07

Arterienklemmen
Hemostatic Forceps and Scalp Forceps
Pinzas hemostáticas y pinzas para cuero cabelludo
Pinces hémostatiques et pinces pour cuir chevelu
Pinze emostatiche e pinze per cuoio capelluto

Arterienklemmen
 Hemostatic forceps
 Pinzas hemostáticas
 Pinces hémostatiques
 Pinze emostatiche

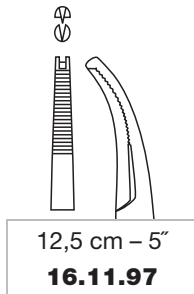
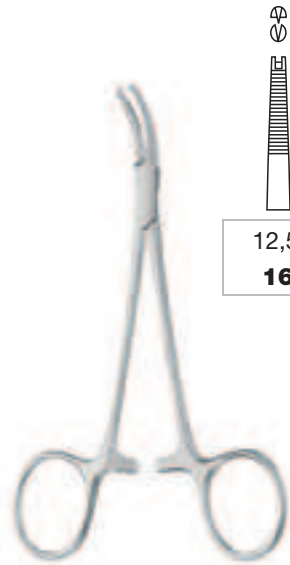


Dandy-Baby

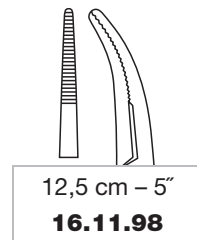
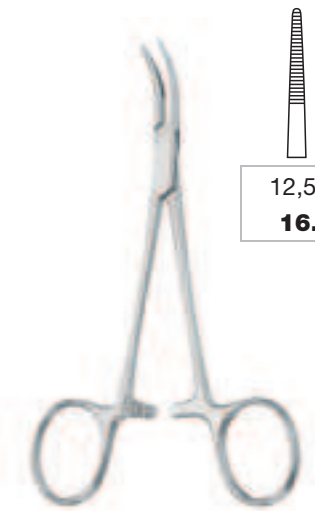


Dandy

Kopfhautklemmen
 Scalp forceps
 Pinzas para cuero cabelludo
 Pinces pour cuir chevelu
 Pinze per cuoio capelluto



Raimondi



Hoen



Gefäßclips
Vessel Clips
Clips vasculares
Clips vasculaires
Clip vascolari

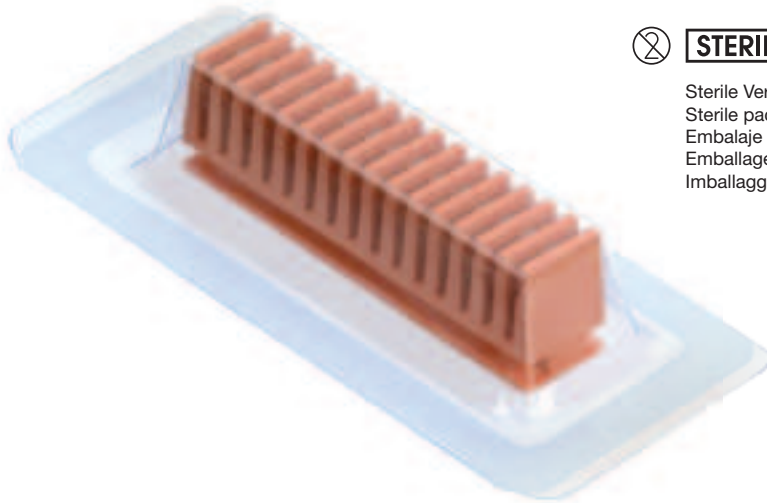
A08





A08

Titan-Clips
Titanium Clips
Clips de titanio
Clips en titane
Clip di titanio



STERILE

Sterile Verpackung
 Sterile packaging
 Embalaje estéril
 Emballage stérile
 Imballaggio sterile

Titan-Clips
 Titanium clips
 Clips de titanio
 Clips en titane
 Clip di titanio

1:1

klein
 small
 pequeño
 petit
 piccolo

P₃₀₀

12 × 25



56.50.01



mittel
 medium
 mediano
 moyen
 medio

P₂₅₀

10 × 25



56.50.02



mittelgroß
 medium large
 medio grande
 moyen grand
 medio grande

P₁₆₀

16 × 10



56.50.03



groß
 large
 grande
 grand
 grande

P₁₅₀

10 × 15



56.50.04

1:1

klein
 small
 pequeño
 petit
 piccolo

P₂₄₀

24 × 10



56.50.11



mittel
 medium
 mediano
 moyen
 medio

P₂₀₀

20 × 10



56.50.12



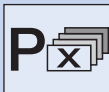
groß
 large
 grande
 grand
 grande

P₁₂₀

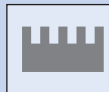
12 × 10



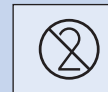
56.50.14



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



Magazine × Clips
 Storage tray × clips
 Cartucho × clips
 Cartouche × clips
 Cartuccia × clip



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



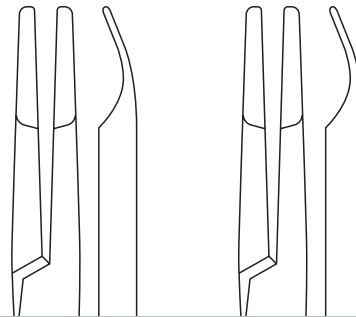
Anlegezangen für Titan-Clips
Applying Forceps for Titanium Clips
Pinzas para aplicar para clips de titanio
Pinces à poser pour clips en titane
Pinze per applicare per clip di titanio

A08

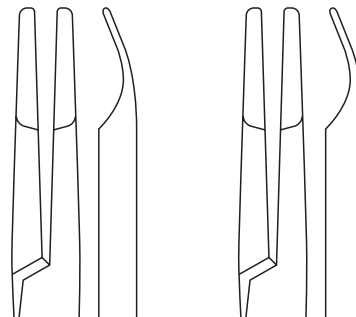


Clipmagazine und Anlegezangen mit gleicher Farbcodierung
Clip storage trays and applying forceps with matching color code
Dispositivo de clips y pinzas aplicadoras con la misma codificación de color
Magasins de clips et pinces à appliquer avec le même code couleur
Cartucce per clip e pinze per applicare con codice colore uguale

Anlegezangen
 Applying forceps
 Pinzas para aplicar
 Pinces à appliquer
 Pinze per applicare



15 cm – 6"	15 cm – 6"
56.50.15	56.50.25
19,5 cm – 7¾"	19,5 cm – 7¾"
56.50.19	56.50.29



20,5 cm – 8⅛"	20,5 cm – 8⅛"
56.50.30	56.50.40

**A08**

Mikro-Gefäßclips und Anlegepinzette
Micro Vessel Clips and Applying Forceps
Micro clips vasculares y pinza para aplicar
Micro clips vasculaires et pince à appliquer
Micro clip vascolari e pinza per applicare

Clips (einzeln)
 Clips (single)
 Clips (singular)
 Clips (seuls)
 Clip (singola)




2:1

Mehdorn

1,0 mm




a = 4,0 mm
 F = 10-15 g

 2,5 mm
56.80.04

1,4 mm




a = 4,0 mm
 F = 15-20 g

 5,0 mm
56.81.04

1,0 mm




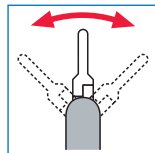
a = 6,0 mm
 F = 10-15 g

 3,0 mm
56.80.06

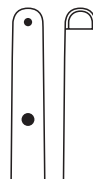
1,4 mm



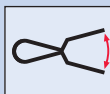
a = 6,0 mm
 F = 15-20 g

 3,0 mm
56.81.06

Anlegepinzette
 Applying forceps
 Pinza para aplicar
 Pince à appliquer
 Pinza per applicare



14,5 cm – 5¾"
56.80.14

Mehdorn

Öffnungsweite
 Opening width
 Apertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura

F

Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura

P






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





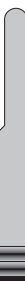


Mikro-Gefäßclips und Anlegepinzetten
Micro Vessel Clips and Applying Forceps
Micro clips vasculares y pinzas para aplicar
Micro clips vasculaires et pinces à appliquer
Micro clip vascolari e pinze per applicare

A08




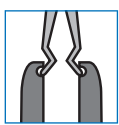
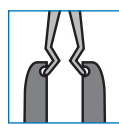
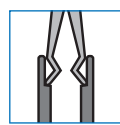
Clips (einzeln)
 Clips (single)
 Clips (singular)
 Clips (seuls)
 Clip (singola)

			
	a = 8 mm ∅ 0,4 - 1,0 mm	a = 11 mm ∅ 0,6 - 1,5 mm	a = 14 mm ∅ 1,0 - 2,25 mm
P 	56.85.07	A 56.85.10	A 56.85.13 A
P 	56.85.08	V 56.85.11	V 56.85.14 V



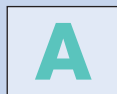
			
	a = 17 mm ∅ 1,0 - 2,25 mm	a = 25 mm ∅ 1,5 - 3,5 mm	a = 36 mm ∅ 2,0 - 5,0 mm
P 	56.85.16	A 56.85.18	A 56.86.36 A
P 	56.85.17	V 56.85.19	V 56.86.37 V

Anlegepinzetten
 Applying forceps
 Pinzas para aplicar
 Pincès à appliquer
 Pinze per applicare

		
8 - 11 mm	14 - 36 mm	8 - 36 mm
14,5 cm - 5¾"	14,5 cm - 5¾"	11 cm - 4½"
56.85.91	56.85.93	56.85.98
		
Acland	Acland	Acland



Gefäßdurchmesser
 Vessel diameter
 Diámetro del vaso
 Diamètre du vaisseau
 Diametro del vaso



für Arterien
 for arteries
 para arterias
 pour artères
 per arterie



für Venen
 for veins
 para venas
 pour veines
 per vene

**A08**


Mikro-Gefäßclips und Anlegepinzetten
Micro Vessel Clips and Applying Forceps
Micro clips vasculares y pinzas para aplicar
Micro clips vasculaires et pinces à appliquer
Micro clip vascolari e pinze per applicare

Clips (einzeln)
 Clips (single)
 Clips (singular)
 Clips (seuls)
 Clip (singola)


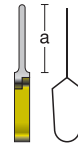
2:1

**Biemer**


a = 6,0 mm
 F = 30-40 g

 4,0 mm
56.87.05

a = 9,0 mm
 F = 30-40 g

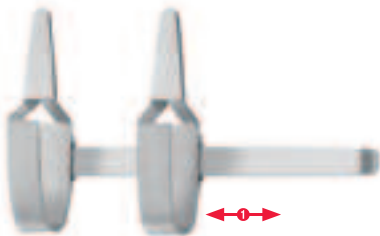
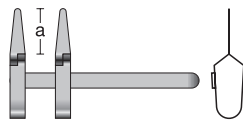
 5,0 mm
56.87.08

a = 9,0 mm
 F = 20-25 g

 5,0 mm
56.87.18

Approximator (1 Clip beweglich)
 Approximator (1 clip mobile)
 Aproximador (1 clip móvil)
 Approximateur (1 clip mobile)
 Approssimatore (1 clip mobile)

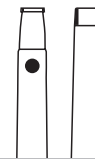
2:1

**Biemer**

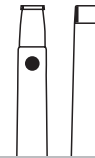
a = 6,0 mm
 F = 30-40 g

 4,0 mm
56.87.35

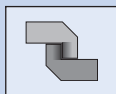
Anlegepinzetten
 Applying forceps
 Pinzas para aplicar
 Pincès à appliquer
 Pinze per applicare

**Biemer**

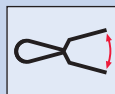
14,5 cm – 5¾"
56.87.45



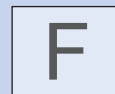
14,5 cm – 5¾"
56.87.46



mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera



Öffnungsweite
 Opening width
 Apertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura

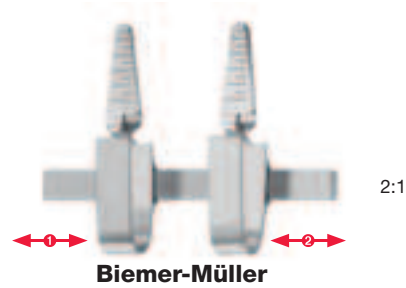


Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura

Mikro-Gefäßclips und Anlegepinzetten
Micro Vessel Clips and Applying Forceps
Micro clips vasculares y pinzas para aplicar
Micro clips vasculaires et pinces à appliquer
Micro clip vascolari e pinze per applicare

A08

Approximatoren (2 Clips beweglich)
 Approximators (2 clips mobile)
 Aproximadores (2 clips móviles)
 Approximateurs (2 clip mobiles)
 Approssimatori (2 clip mobili)



a = 6,0 mm
 F = 25-30 g
 3,0 mm
56.74.06

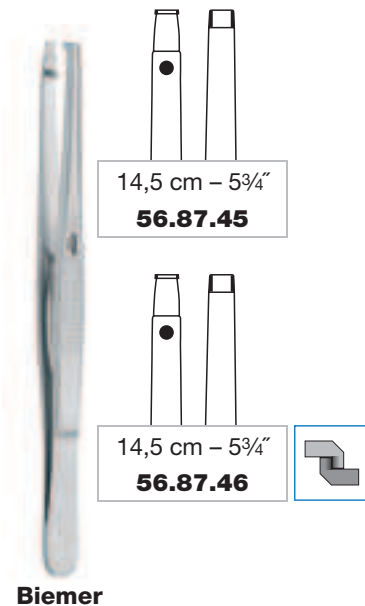
a = 9,0 mm
 F = 25-30 g
 5,0 mm
56.74.09

a = 7,5 mm
 F = 25-30 g
 5,0 mm
56.75.09

a = 7,0 mm
 F = 25-30 g
 5,0 mm
56.76.09

a = 7,0 mm
 F = 25-30 g
 5,0 mm
56.77.09

Anlegepinzetten
 Applying forceps
 Pinzas para aplicar
 Pinces à appliquer
 Pinze per applicare



mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera

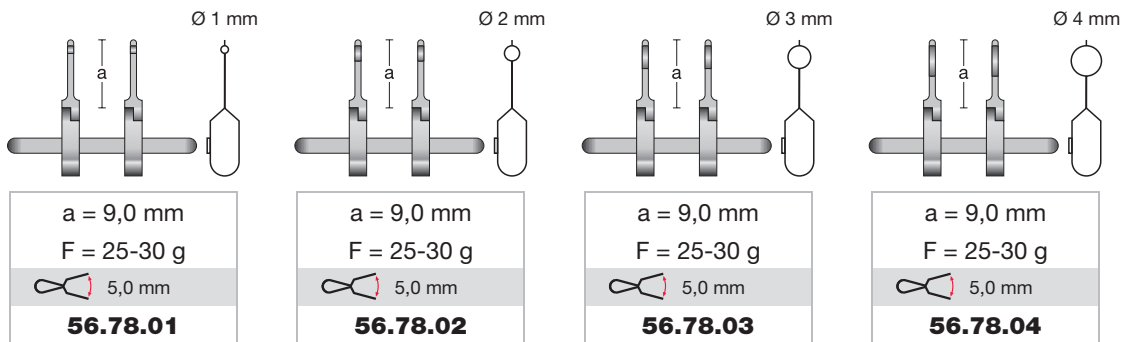
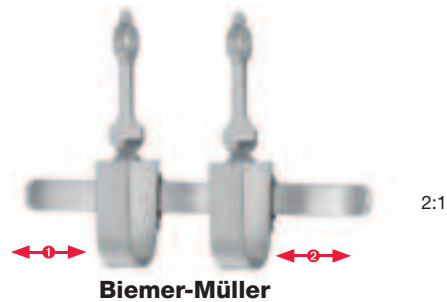
Öffnungswite
 Opening width
 Apertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura

Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura

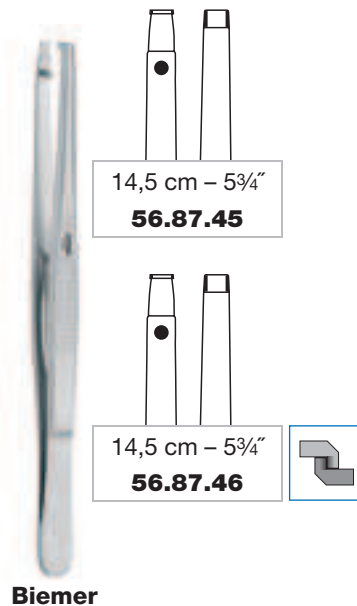
**A08**

Mikro-Gefäßclips und Anlegepinzetten
Micro Vessel Clips and Applying Forceps
Micro clips vasculares y pinzas para aplicar
Micro clips vasculaires et pinces à appliquer
Micro clip vascolari e pinze per applicare

Approximatoren (2 Clips beweglich)
 Approximators (2 clips mobile)
 Aproximadores (2 clips móviles)
 Approximateurs (2 clip mobiles)
 Approssimatori (2 clip mobili)

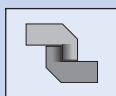


Anlegepinzetten
 Applying forceps
 Pinzas para aplicar
 Pincés à appliquer
 Pinze per applicare

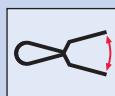


14,5 cm – 5¾"
56.87.45

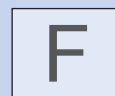
14,5 cm – 5¾"
56.87.46



mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera



Öffnungsweite
 Opening width
 Apertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura



Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura

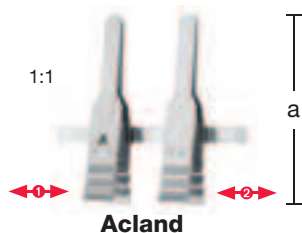
Mikro-Gefäßclips und Anlegepinzetten
Micro Vessel Clips and Applying Forceps
Micro clips vasculares y pinzas para aplicar
Micro clips vasculaires et pinces à appliquer
Micro clip vascolari e pinze per applicare

A08

Approximatoren (2 Clips beweglich)
 Approximators (2 clips mobile)
 Aproximadores (2 clips móviles)
 Approximateurs (2 clip mobiles)
 Approssimatori (2 clip mobili)

a = 8 mm ∅ 0,4 - 1,0 mm	a = 11 mm ∅ 0,6 - 1,5 mm	a = 14 mm ∅ 1,0 - 2,25 mm
A 56.85.47	A 56.85.50	A 56.85.53
V 56.85.48	V 56.85.51	V 56.85.54

a = 17 mm ∅ 1,0 - 2,25 mm	a = 25 mm ∅ 1,5 - 3,5 mm	a = 36 mm ∅ 2,0 - 5,0 mm
A 56.85.56	A 56.85.58	A 56.86.58
V 56.85.57	V 56.85.59	V 56.86.59

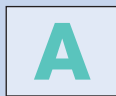


Anlegepinzetten
 Applying forceps
 Pinzas para aplicar
 Pincés à appliquer
 Pinze per applicare

8 - 11 mm	14 - 36 mm	8 - 36 mm
14,5 cm – 5 3/4"	14,5 cm – 5 3/4"	11 cm – 4 1/2"
56.85.91	56.85.93	56.85.98
Acland	Acland	Acland



Gefäßdurchmesser
 Vessel diameter
 Diámetro del vaso
 Diamètre du vaisseau
 Diametro del vaso



für Arterien
 for arteries
 para arterias
 pour artères
 per arterie



für Venen
 for veins
 para venas
 pour veines
 per vene

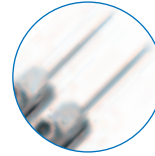


A08

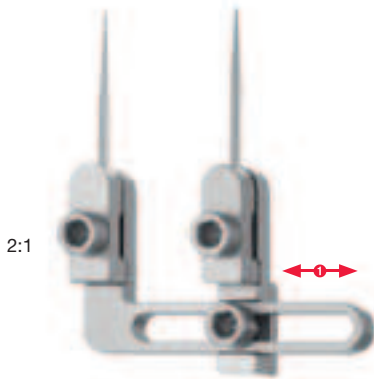
Mikro-Gefäßclips
Micro Vessel Clips
Micro clips vasculares
Micro clips vasculaires
Micro clip vascolari

Nerv-Approximator (1 Clip beweglich)
Approximator for nerves (1 clip mobile)
Aproximador para nervios (1 clip móvil)
Approximateur pour nerfs (1 clip mobile)
Approssimatore per nervi (1 clip mobile)

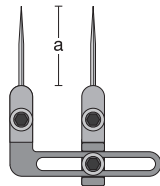
Ersatznadeln
Spare needles
Agujas de repuesto
Aiguilles de rechange
Aghi di ricambio



P₂ **56.79.01**



Biemer



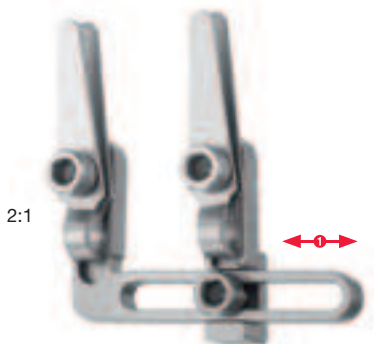
a = 10 mm
56.79.00

mit Schlüssel
with wrench
con llave
avec clé
con chiave

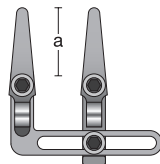


56.87.49

Approximator (1 Clip beweglich)
Approximator (1 clip mobile)
Aproximador (1 clip móvil)
Approximateur (1 clip mobile)
Approssimatore (1 clip mobile)



Biemer



a = 10 mm
3,0 mm
56.87.38

mit Schlüssel
with wrench
con llave
avec clé
con chiave

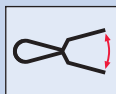


56.87.49

Ersatzschlüssel
Replacement wrench
Llave de repuesto
Clé de rechange
Chiave di ricambio



7,5 cm – 3" **Biemer** **56.87.49**



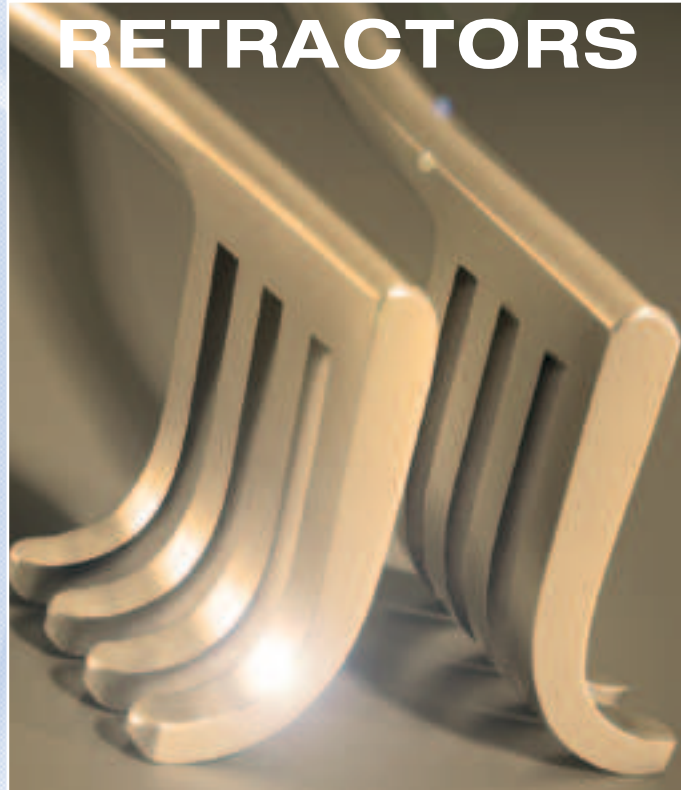
Öffnungsweite
Opening width
Apertura de ancho
Largeur d'ouverture
Larghezza dell'apertura



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

Wundhaken und Wundspreizer
Retractors and Self-retaining Retractors
Separadores y separadores autoestáticos
Ecarteurs et ecarteurs autostatiques
Divaricatori e divaricatori autostatici

A09





Feine Wundhaken
Delicate Retractors
Separadores finos
Ecarteurs fins
Divaricatori delicati

A09



9 x 2 mm	9 x 8 mm	9 x 10 mm	9 x 14 mm	
16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	
20.64.01	20.64.02	20.64.03	20.64.04	

9 x 2 mm	9 x 8 mm	9 x 10 mm	9 x 14 mm	
16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	
20.65.01	20.65.02	20.65.03	20.65.04	

7 x 1 mm	7 x 5 mm	7 x 8 mm	7 x 11 mm	
16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	
20.66.01	20.66.02	20.66.03	20.66.04	

7 x 1 mm	7 x 5 mm	7 x 8 mm	7 x 11 mm	
16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	16 cm - 6 1/4"	
20.67.01	20.67.02	20.67.03	20.67.04	



spitz
sharp
aguda
pointu
acuta



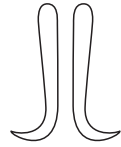
stumpf
blunt
roma
mousse
smussa

Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Ecarteurs autostatiques
Divaricatori autostatici

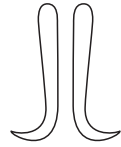
A09



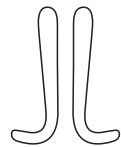
Weitlaner



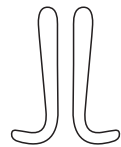
a = 18 mm
 13 cm – 5 1/8" **24.22.13**



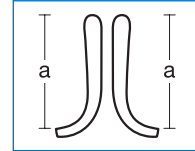
a = 18 mm
 16,5 cm – 6 1/2" **24.22.16**



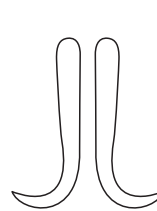
a = 18 mm
 13 cm – 5 1/8" **24.22.14**



a = 18 mm
 16,5 cm – 6 1/2" **24.22.17**



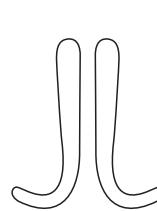
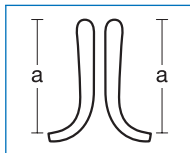
Weitlaner



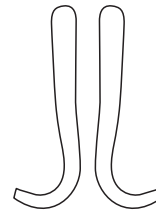
a = 20 mm
 20 cm – 8" **24.22.20**



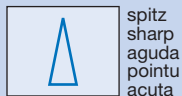
a = 25 mm
 24 cm – 9 1/2" **24.22.24**



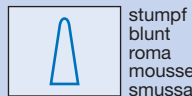
a = 20 mm
 20 cm – 8" **24.22.21**



a = 25 mm
 24 cm – 9 1/2" **24.22.25**



spitz
 sharp
 aguda
 pointu
 acuta



stumpf
 blunt
 roma
 mousse
 smussa

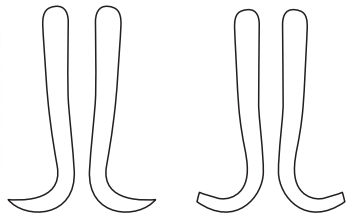


A09

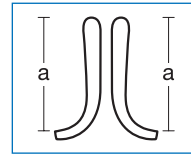
Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Ecarteurs autostatiques
Divaricatori autostatici



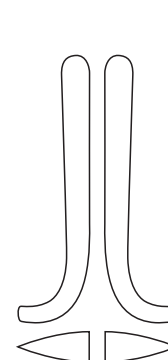
Weitlaner



a = 25 mm 25,5 cm – 10"	a = 25 mm 25,5 cm – 10"
24.22.26	24.22.27



Miskimon



a = 33 mm 22 cm – 8¾"
24.28.10



spitz
sharp
aguda
pointu
acuta

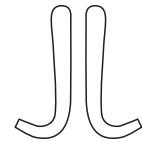
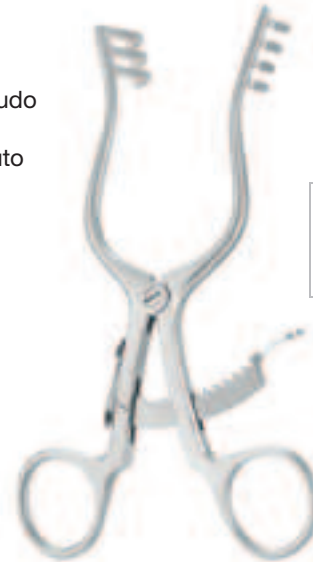
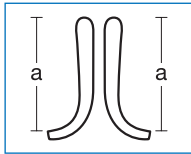


stumpf
blunt
roma
mousse
smussa

Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Ecarteurs autostatiques
Divaricatori autostatici

A09

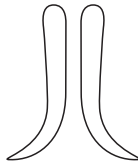
Kopfhautspreizer
 Scalp retractor
 Separador para el cuero cabelludo
 Ecarteur pour le cuir chevelu
 Divaricatore per il cuoio capelluto



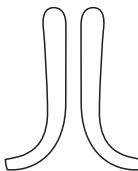
a = 16 mm
 14 cm – 5½”
24.26.70



Contour



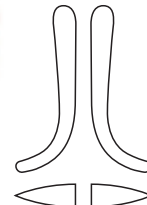
a = 20 mm
 20 cm – 8”
24.28.01



a = 20 mm
 20 cm – 8”
24.28.03



Adson



a = 20 mm
 19 cm – 7½”
24.28.02



Adson-Anderson



spitz
 sharp
 aguda
 pointu
 acuta



stumpf
 blunt
 roma
 mousse
 smussa

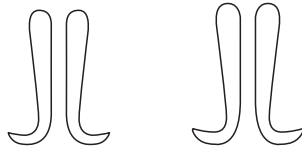


Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Ecarteurs autostatiques
Divaricatori autostatici

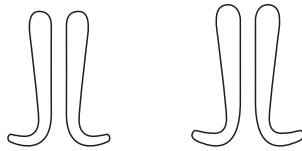
A09



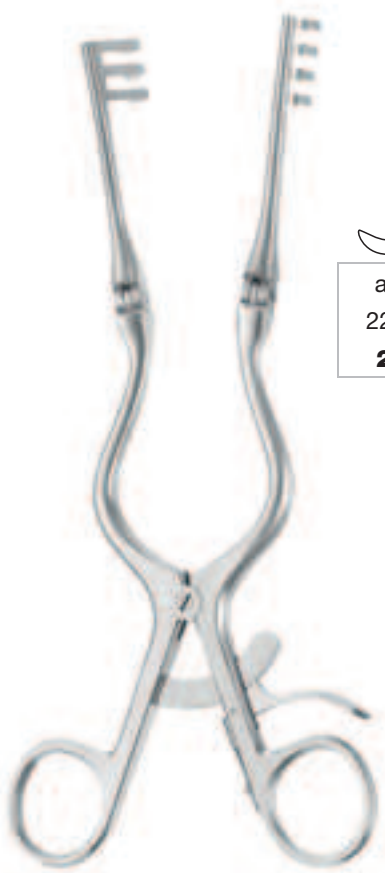
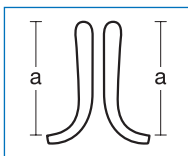
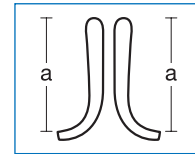
Weitlaner-Beckmann



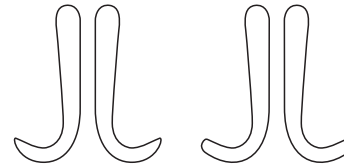
a = 16 mm 14,5 cm - 5 ³ / ₈ "	a = 17 mm 17 cm - 6 ³ / ₄ "
24.30.13	24.30.16



a = 16 mm 14,5 cm - 5 ³ / ₈ "	a = 17 mm 17 cm - 6 ³ / ₄ "
24.30.14	24.30.17



Weitlaner-Beckmann



a = 19 mm 22 cm - 8 ³ / ₄ "	a = 19 mm 22 cm - 8 ³ / ₄ "
24.30.20	24.30.21

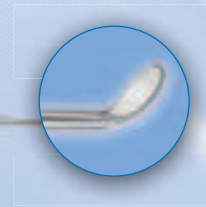


spitz
sharp
aguda
pointu
acuta



stumpf
blunt
roma
mousse
smussa

ELEVATORS AND RASPATORIES



MICRO RASPATORIES

Mikro-Raspatorien (siehe Seite 190-192)
Micro raspatories (see page 190-192)
Micro legras (véase página 190-192)
Micro rugines (voir page 190-192)
Micro periostotomi (vedi pagina 190-192)

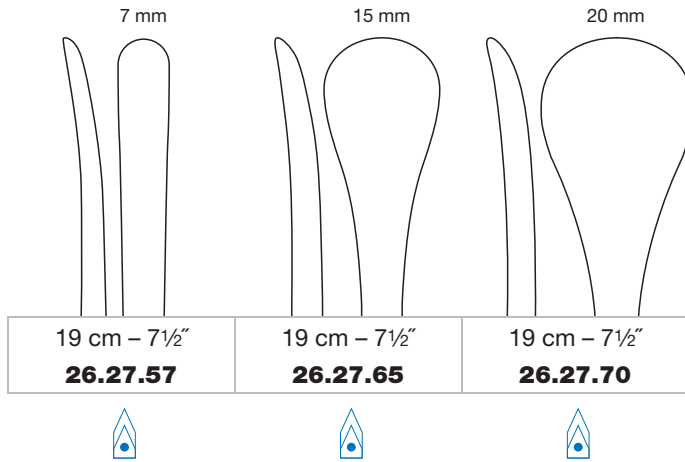


A10

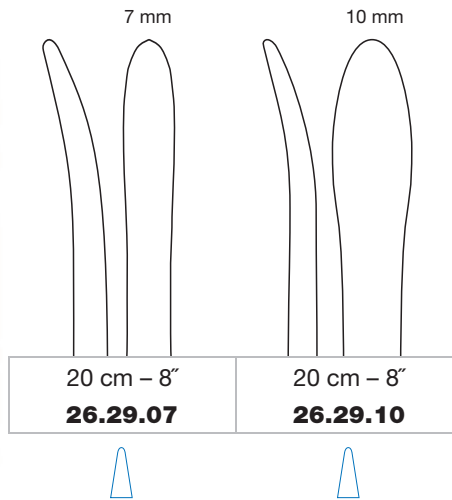
**Elevatori
Elevators
Elevadores
Elévateurs
Elevatori**



Hoen



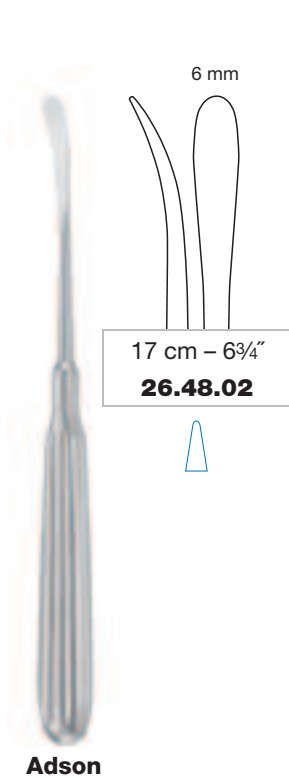
Langenbeck



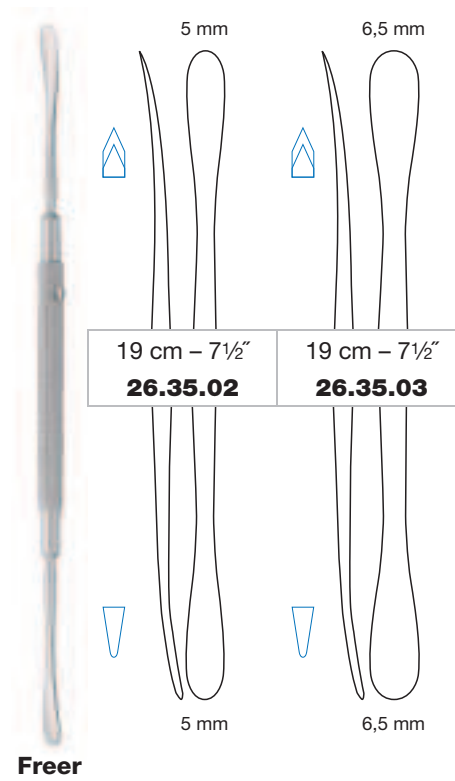
halbscharf
semi sharp
semi cortante
semi tranchant
semi tagliente



stumpf
blunt
roma
mousse
smussa

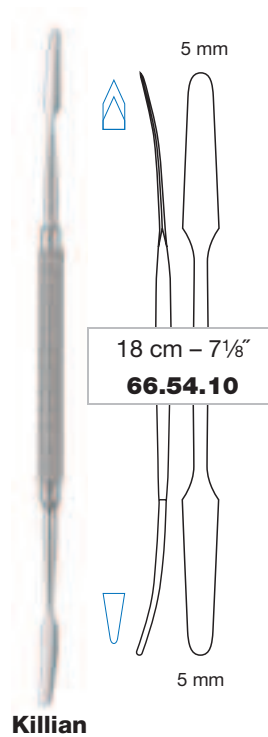


Adson



Freer

Septum-Elevatorium
Septum elevator
Elevador para el tabique nasal
Elévateur pour la cloison nasale
Elevatore per il setto nasale



Killian



scharf
sharp
cortante
tranchant
tagliente

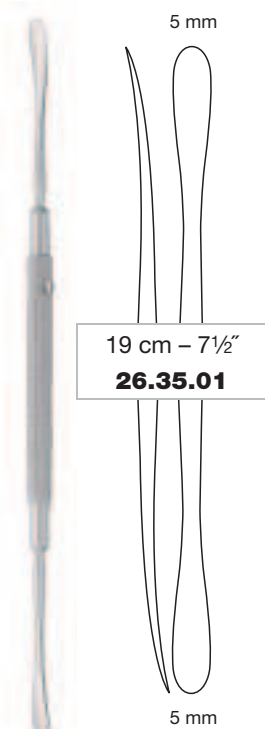


stumpf
blunt
roma
mousse
smussa

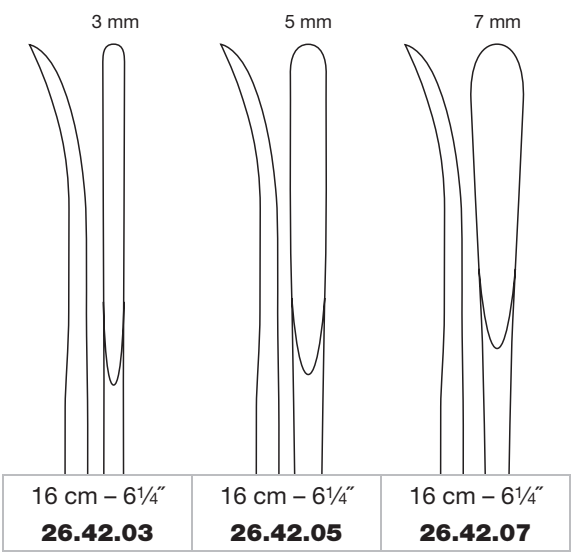


Raspatorien
Raspatories
Legras
Rugines
Periostotomi

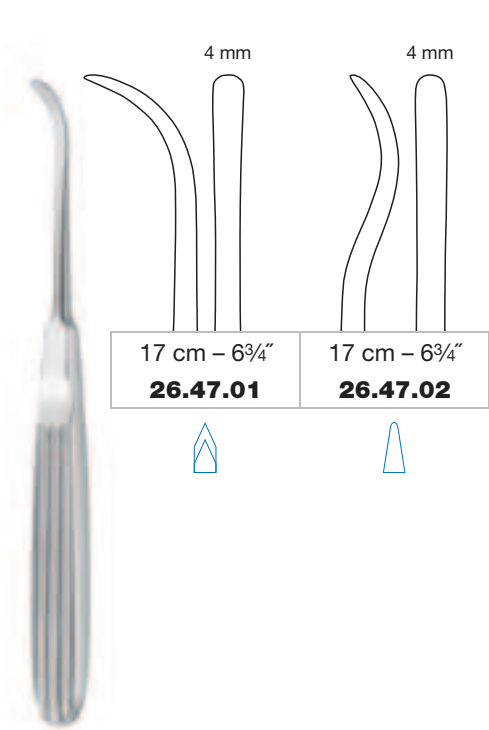
A10



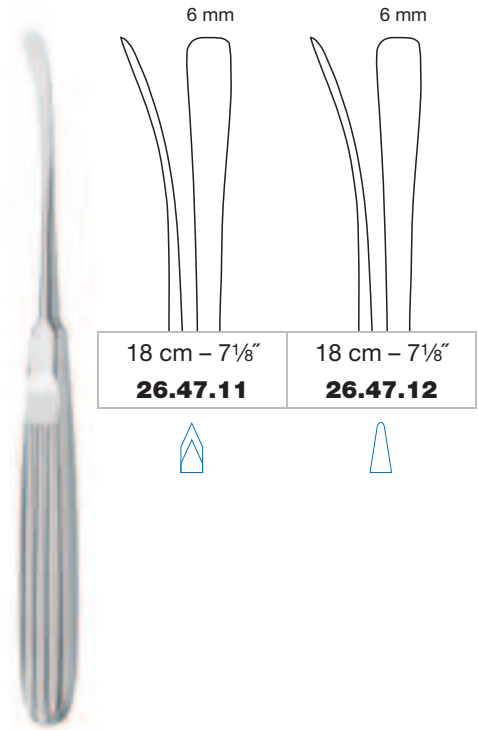
Freer



Williger



Mühling



Caspar



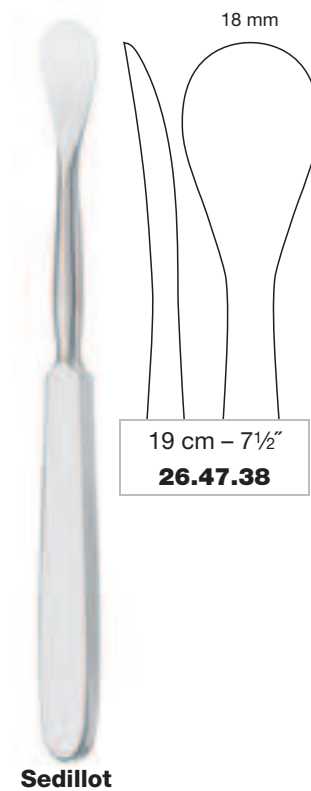
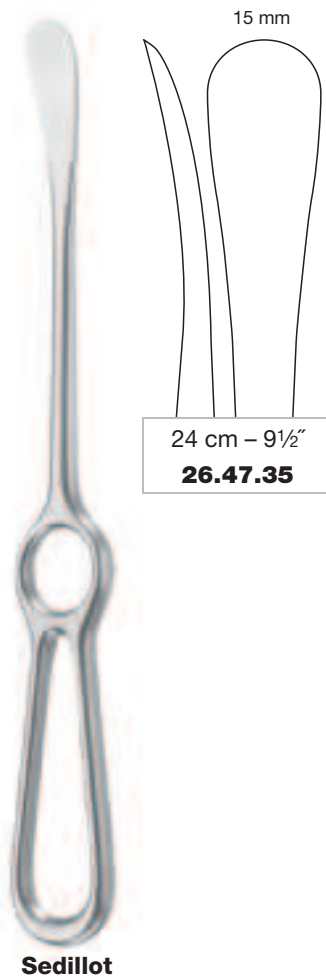
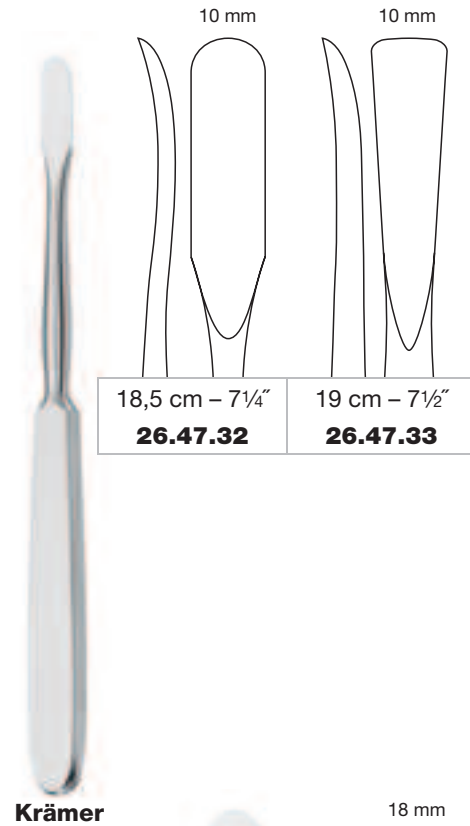
scharf
sharp
cortante
tranchant
tagliente



stumpf
blunt
roma
mousse
smussa

MICRO RASPATORIES

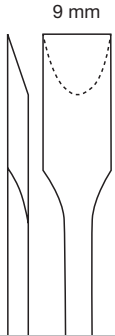
Mikro-Raspatorien (siehe Seite 190-192)
Micro raspatories (see page 190-192)
Micro legras (véase página 190-192)
Micro rugines (voir page 190-192)
Micro periostotomi (vedi pagina 190-192)





Raspatorien
Raspatories
Legras
Rugines
Periostotomi

A10



17 cm - 6¾"
26.48.01

Adson



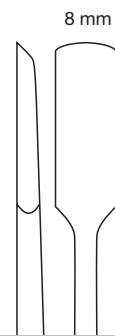
17 cm - 6¾"
26.48.03

Adson

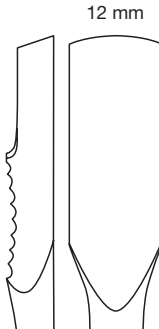


17 cm - 6¾"
26.48.04

Olivecrona

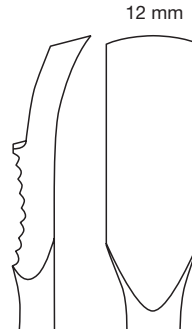


19 cm - 7½"
26.50.58



15 cm - 6"
26.53.13

Farabeuf



15 cm - 6"
26.53.23



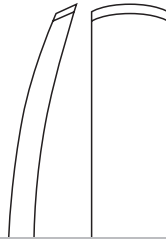
Raspatorien
Raspatories
Legras
Rugines
Periostotomi

A10



Lambotte

10 mm



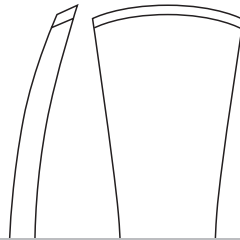
22 cm – 8³/₄"
26.54.10

15 mm



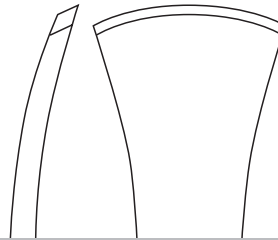
22 cm – 8³/₄"
26.54.15

20 mm



22 cm – 8³/₄"
26.54.20

25 mm



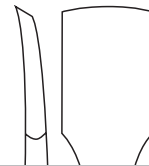
22 cm – 8³/₄"
26.54.25

6 mm



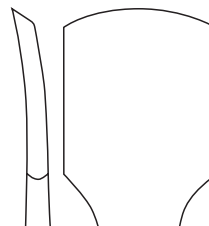
18 cm – 7¹/₈"
26.56.06

12 mm



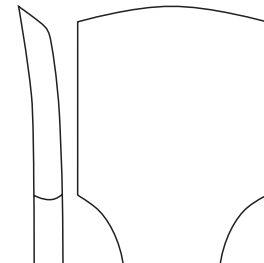
19 cm – 7¹/₂"
26.56.12

20 mm



20 cm – 8"
26.56.20

25 mm



21 cm – 8¹/₄"
26.56.25

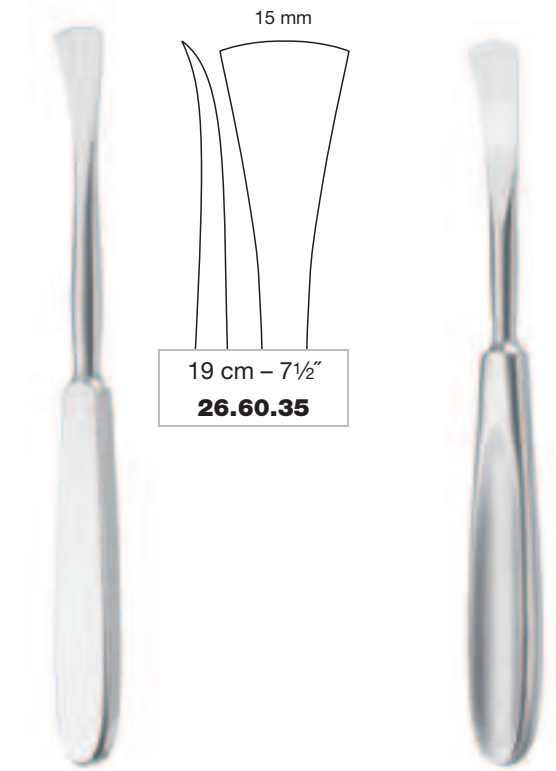
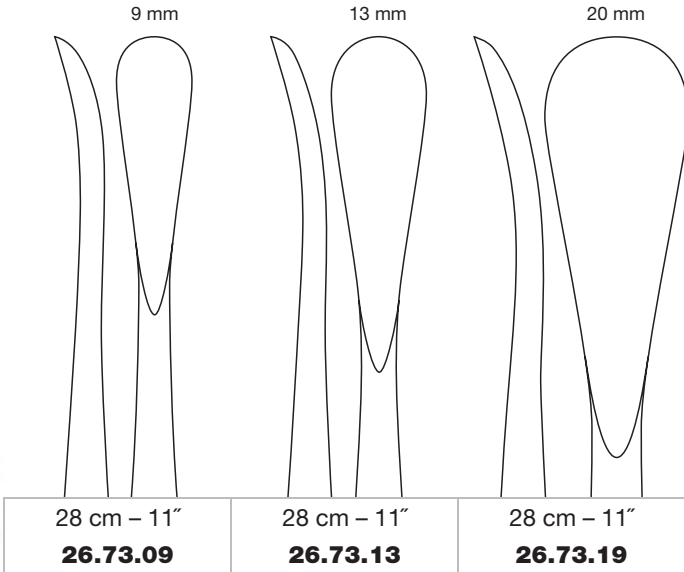


Key



**Raspatorien
Raspatories
Legras
Rugines
Periostotomi**

A10



PROPYLUX

- ▶ Ein biokompatibler Kunststoff der neuesten Thermoplast-Generation
- ▶ Extrem formbeständig bei häufiger Autoklavierung
- ▶ A biocompatible plastic from the latest generation of thermoplastics
- ▶ Extremely high dimensional stability even when frequently autoclaved
- ▶ Un plástico biocompatible de la última generación de termoplásticos
- ▶ Extremadamente resistente a deformaciones en esterilizaciones en autoclave frecuentes
- ▶ Un plastique biocompatible de la toute dernière génération des thermoplastiques
- ▶ Extrêmement résistant aux déformations en cas de passages fréquents à l'autoclave
- ▶ Una plastica biocompatibile della più recente generazione di termoplastiche
- ▶ Estremamente resistente a deformazioni anche con trattamento frequente in autoclave

NOVOTEX

- ▶ Ein duroplastischer Kunststoff aus der Familie der Phenoplaste
- ▶ Sehr hart und bruchbeständig
- ▶ Thermosetting plastics of the range of phenol formaldehyde resins
- ▶ Very hard and break resistant
- ▶ Plástico termoendurecible de la familia de resina fenol-formaldehído
- ▶ Muy duro y resistente a la rotura
- ▶ Plastique thermodurcissable de la famille des résines phénol-formaldéhyde
- ▶ Très dur et résistant à la casse
- ▶ Materia plastica termoindurente della famiglia di resine fenoliche
- ▶ Molto duro e resistente alla rottura

3 mm

18,5 cm – 7¼"	26.64.13P	
26.64.13		

6 mm

18,5 cm – 7¼"	26.64.06P	
26.64.06		

6 mm

18,5 cm – 7¼"	26.64.16P	
26.64.16		

6 mm

18,5 cm – 7¼"	26.64.26P	
26.64.26		

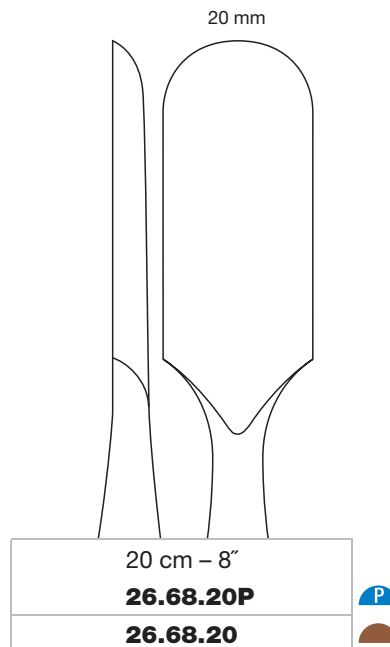
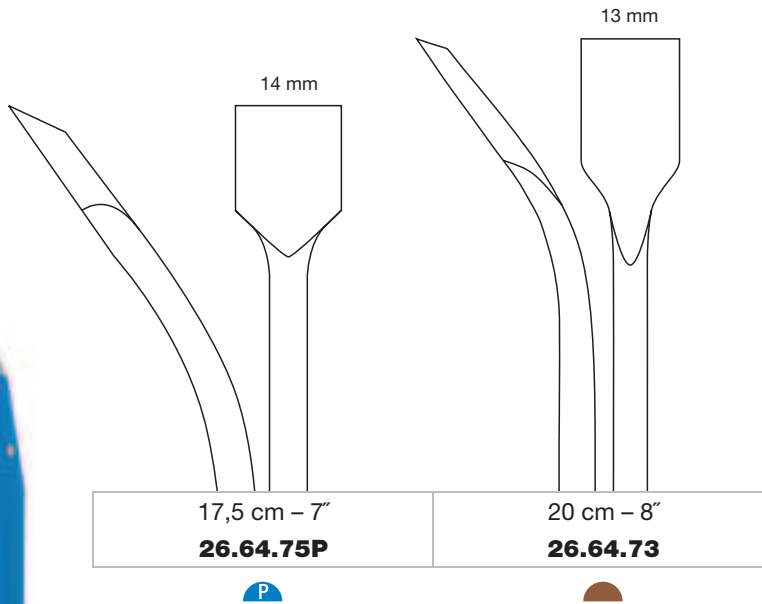


Kunststoffgriff (autoklavierbar bis 134 °C bei 3 bar)
 Plastic handle (autoclavable up to 134 °C at 3 bar)
 Mango de plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
 Manche en plastique (autoclavable à 134 °C sous pression de 3 bars)
 Manico di plastica (autoclavabile fino a 134 °C sotto pressione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

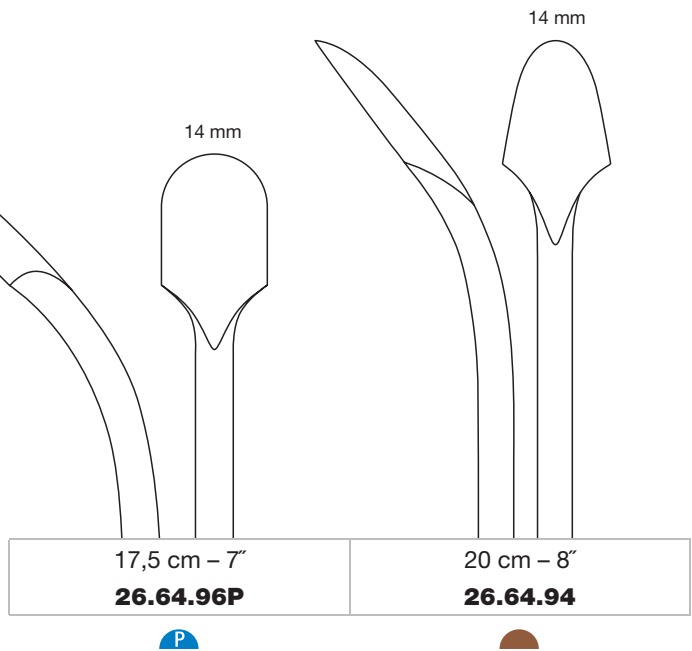
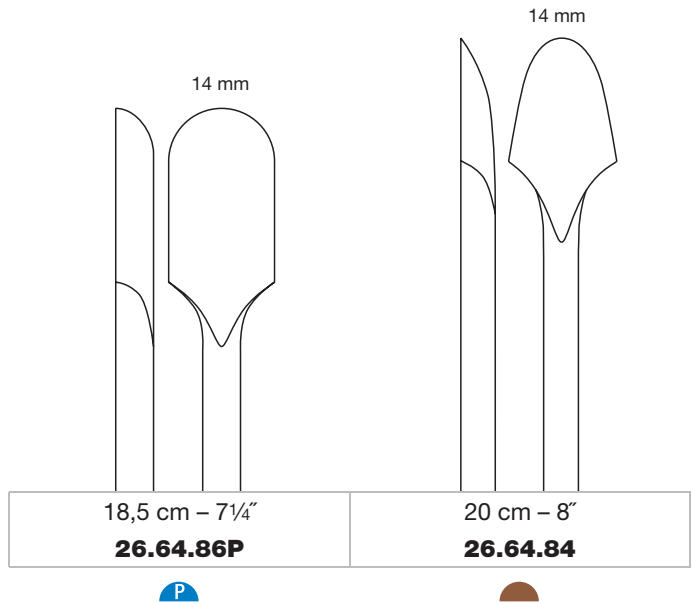


Raspatorien
Raspatories
Legras
Rugines
Periostotomi

A10



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



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



Raspatorien
Raspatories
Legras
Rugines
Periostotomi

A10



Cobb

10 mm	13 mm
25 cm – 10"	25 cm – 10"
26.65.10P	26.65.13P
26.65.10	26.65.13



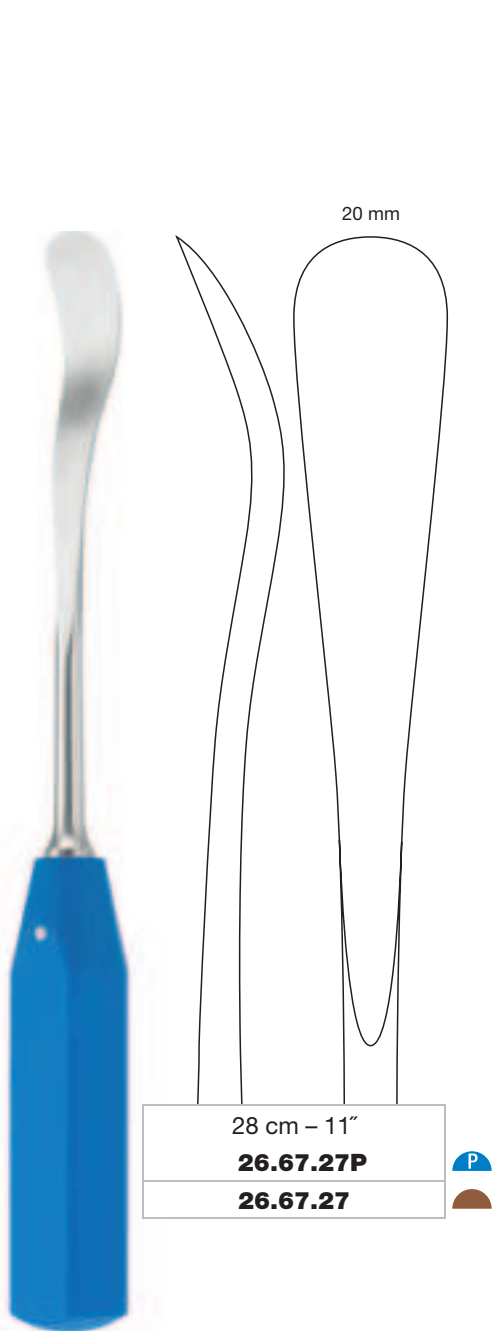
19 mm	25 mm
25 cm – 10"	25 cm – 10"
26.65.19P	26.65.25P
26.65.19	26.65.25



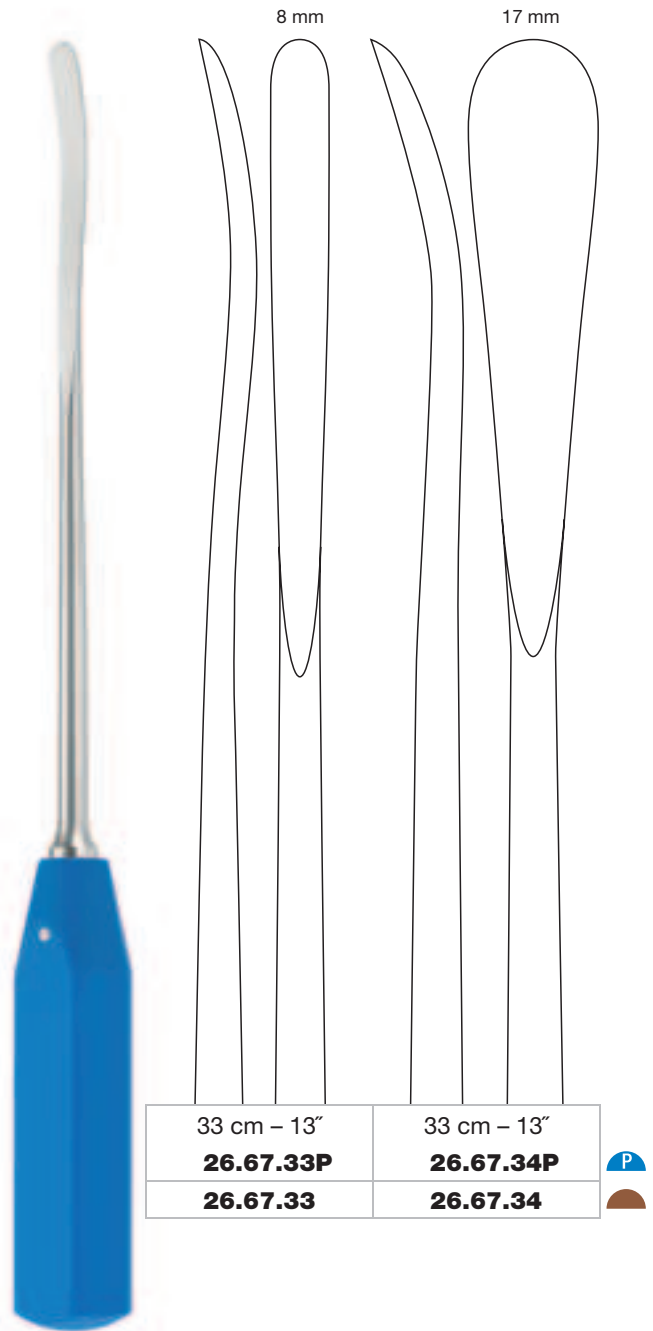
Kunststoffgriff (autoklavierbar bis 134 °C bei 3 bar)
 Plastic handle (autoclavable up to 134 °C at 3 bar)
 Mango de plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
 Manche en plastique (autoclavable à 134 °C sous pression de 3 bars)
 Manico di plastica (autoclavabile fino a 134 °C sotto pressione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



halbscharf
 semi sharp
 semi cortante
 semi tranchant
 semi tagliente



28 cm – 11"	
26.67.27P	
26.67.27	



33 cm – 13"	33 cm – 13"	
26.67.33P	26.67.34P	
26.67.33	26.67.34	

Wagner



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

www.medicon.de

Einen Überblick über das MEDICON-Gesamtprogramm finden Sie im Internet.

For general information on the complete MEDICON product range please refer to the Internet.

Una vista general de la gama completa de productos MEDICON puede encontrar en el Internet.

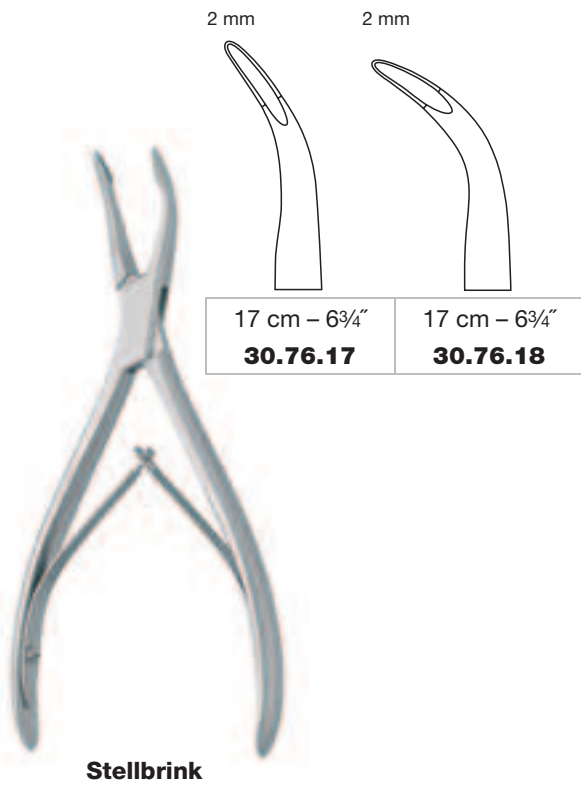
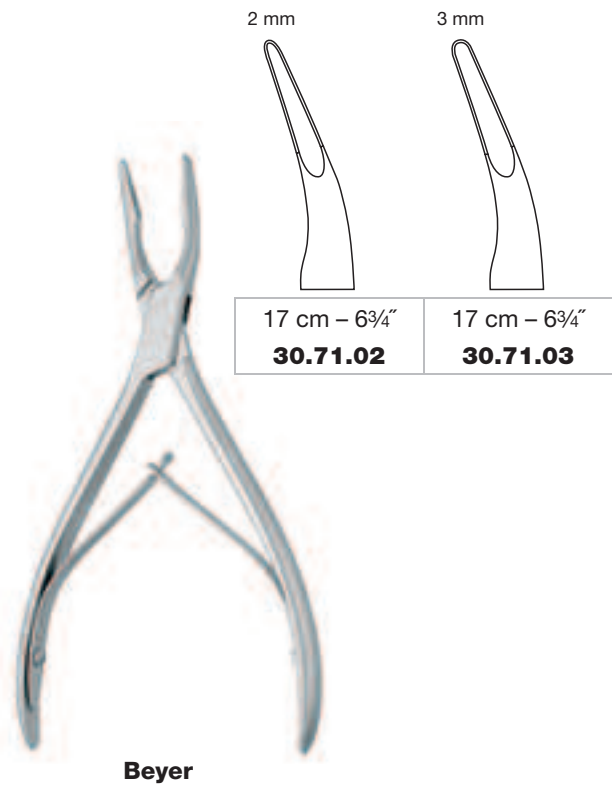
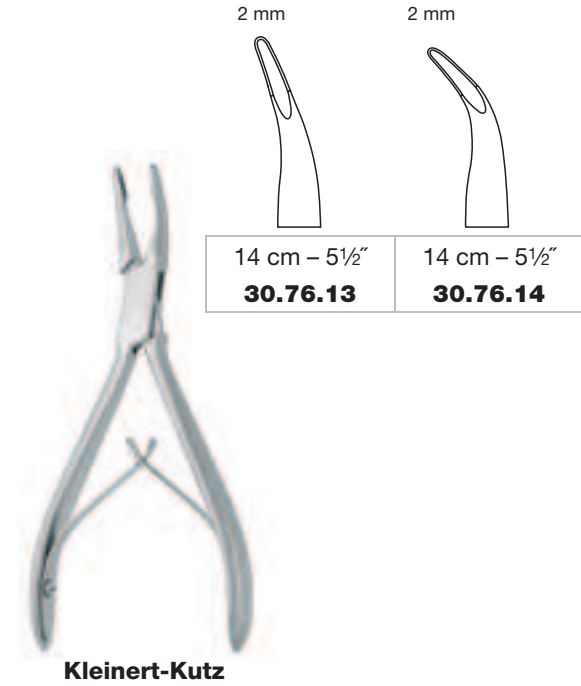
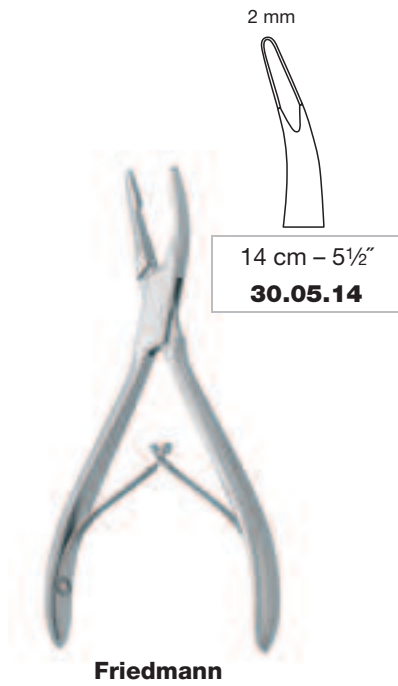
Pour une vue d'ensemble de la gamme complète des produits MEDICON nous vous prions de bien vouloir vous référer sur notre site Internet.

Una visione generale della completa gamma dei prodotti MEDICON la trovate nell'Internet.



Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze sgorbie

A11



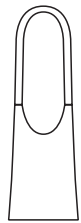


Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze sgorbie

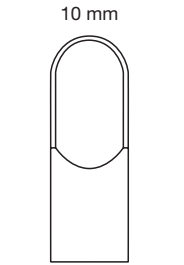
A11



7 mm



18 cm – 7 1/8"
30.52.17



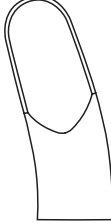
10 mm

18 cm – 7 1/8"
30.52.18

Luer

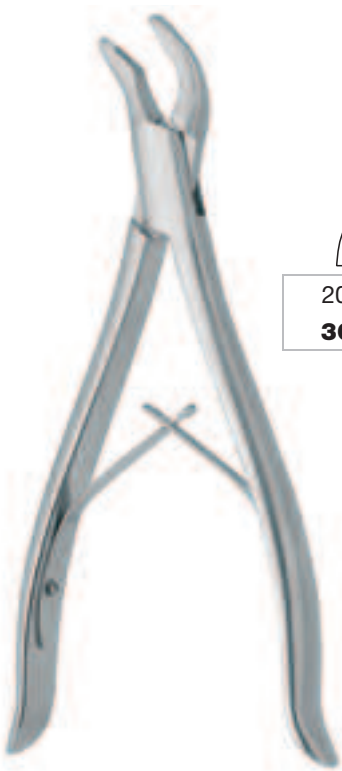


9 mm



18 cm – 7 1/8"
30.53.18

Luer

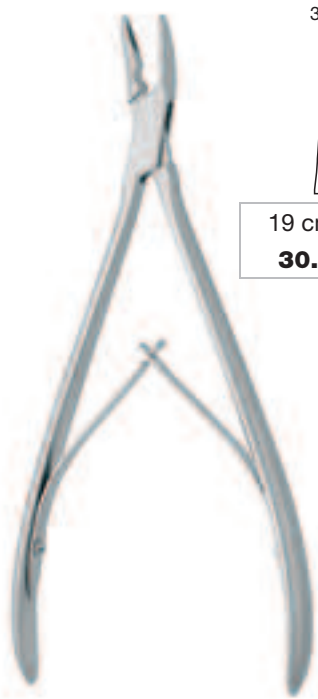


4 mm



20 cm – 8"
30.54.70

Bacon



3 mm



19 cm – 7 1/2"
30.76.19

3 mm

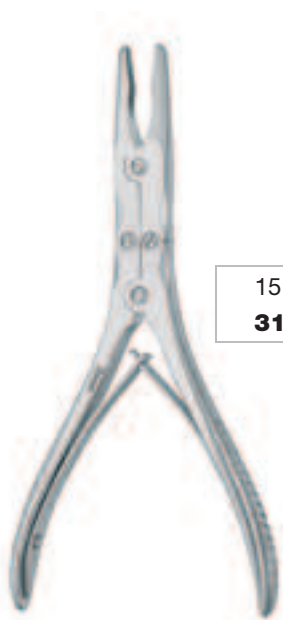


19 cm – 7 1/2"
30.76.29





Lempert

Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze sgorbie

A11





Ruskin-Mini

	2 mm	3 mm	2 mm	3 mm
				
	15 cm – 6"	15 cm – 6"	15 cm – 6"	15 cm – 6"
	31.04.02	31.04.03	31.05.02	31.05.03



Ruskin

	5 mm	5 mm
		
	18 cm – 7 1/8"	18 cm – 7 1/8"
	31.06.05	31.07.05



Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze sgorbie

A11



Smith-Petersen

2 mm



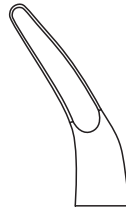
24 cm - 9½"
31.09.03

3 mm



24 cm - 9½"
31.09.13

3 mm



24 cm - 9½"
31.09.23



Ruskin

5 mm



24 cm - 9½"
31.06.25

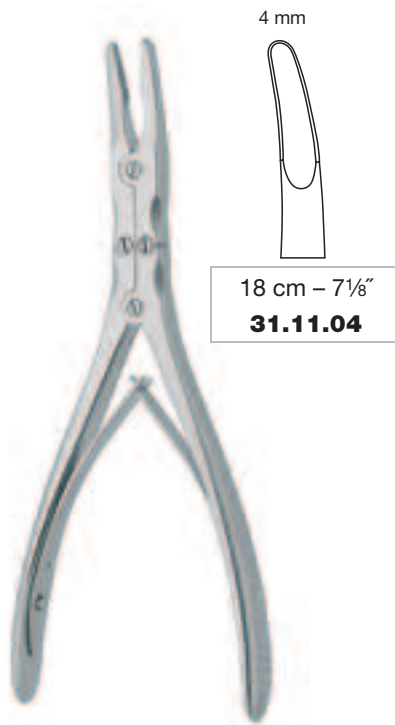
5 mm



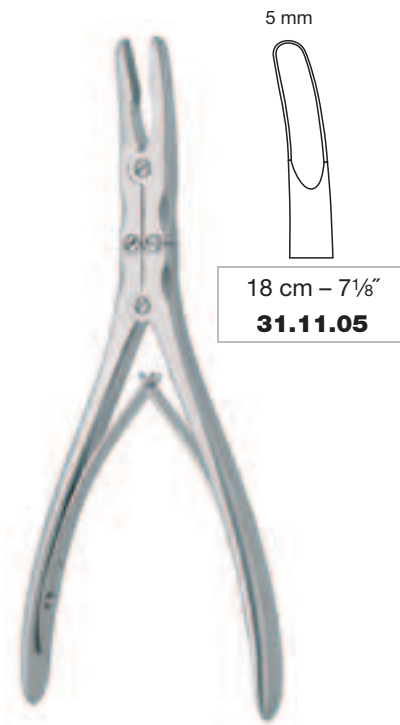
24 cm - 9½"
31.07.25

Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pincès-gouges
Pinze sgorbie

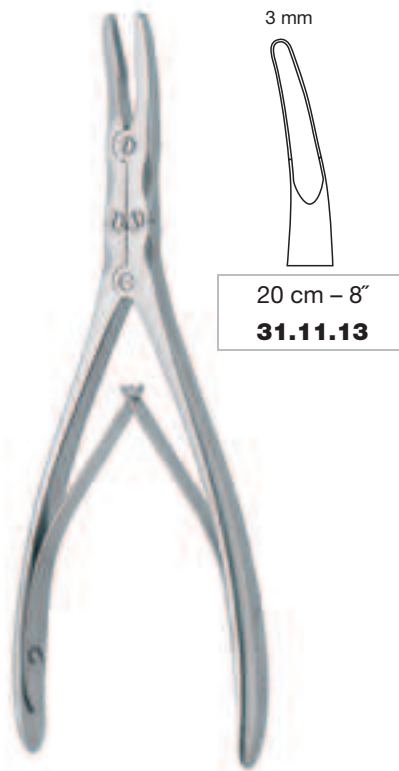
A11



Beyer



Zaufal-Jansen

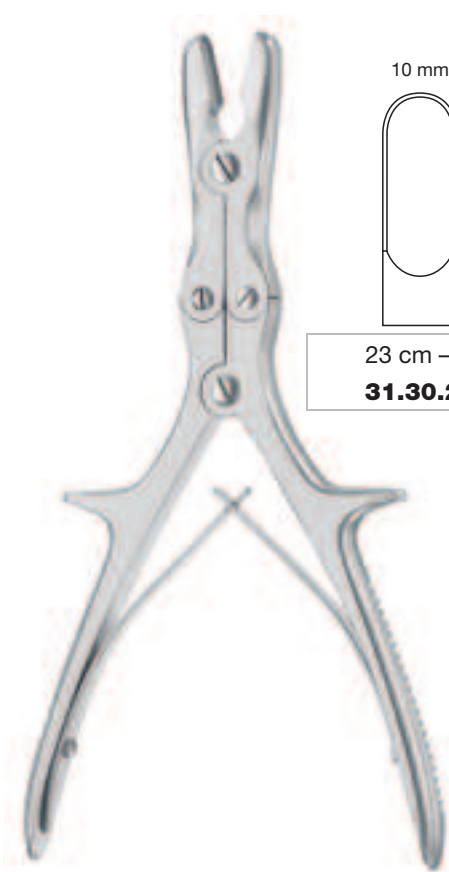


Marquardt



Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze sgorbie

A11



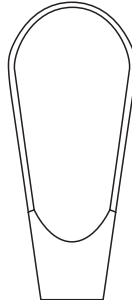
Stille-Luer

10 mm



23 cm - 9"
31.30.23

17 mm



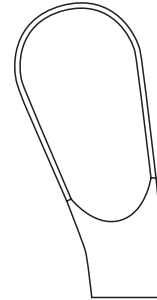
23 cm - 9"
31.30.24

10 mm

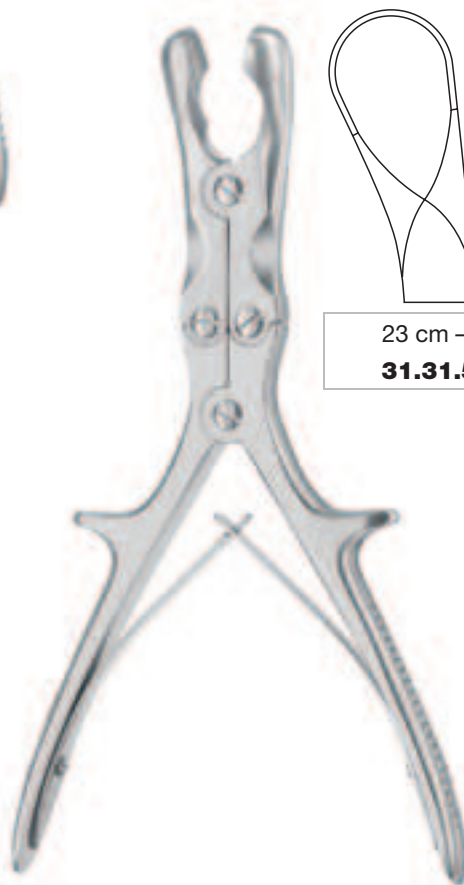


23 cm - 9"
31.31.23

17 mm



23 cm - 9"
31.31.24



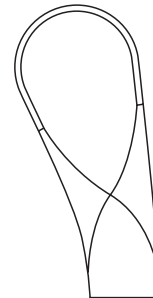
Semb-Stille

16 mm



23 cm - 9"
31.31.53

16 mm



27 cm - 10 3/4"
31.31.57

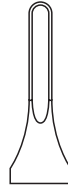
Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze sgorbie

A11



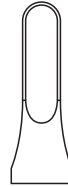
Leksell

3 mm



23 cm - 9"
31.53.03

5 mm



23 cm - 9"
31.53.05

8 mm

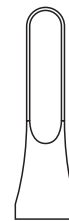


23 cm - 9"
31.53.08



Leksell

5 mm



23 cm - 9"
31.51.05

8 mm

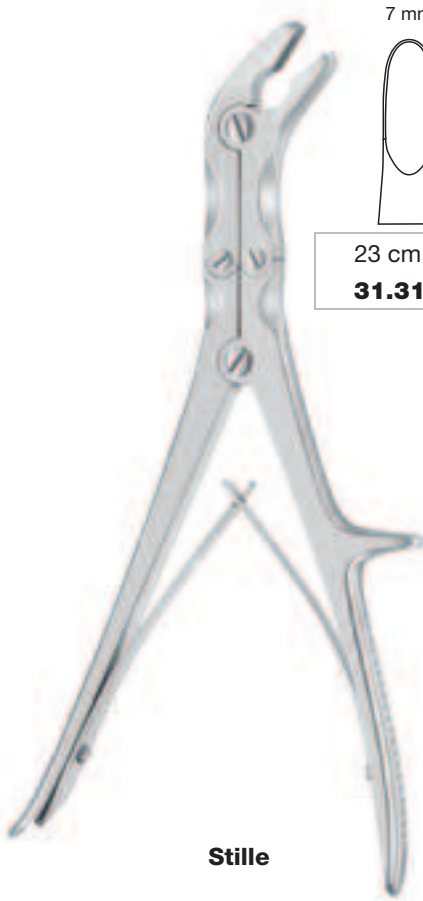


23 cm - 9"
31.51.08



Hohlmeißelzangen
Bone Rongeurs
Pinzas gubias
Pinces-gouges
Pinze sgorbie

A11



Stille

7 mm

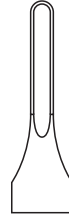


23 cm - 9"
31.31.83



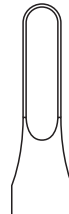
Leksell

3 mm



36 cm - 14 1/8"
31.54.03

5 mm



36 cm - 14 1/8"
31.54.05

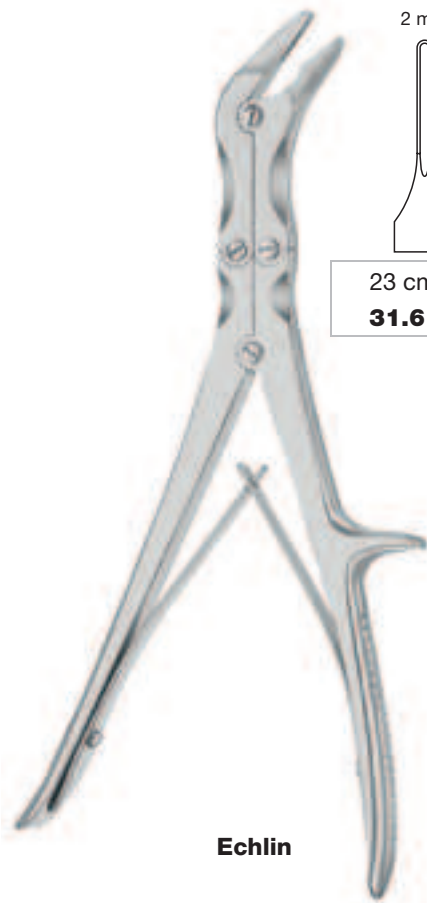
8 mm



36 cm - 14 1/8"
31.54.08

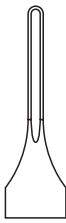
Hohlmeißelzangen und Knochensplitterzange
Bone Rongeurs and Bone Cutting Forceps
Pinzas gubias y pinza cortante para huesos
Pinces-gouges et pince coupante à os
Pinze sgorbie e pinza ossivora

A11



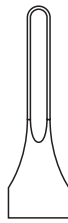
Echlin

2 mm



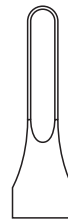
23 cm – 9"
31.61.02

3 mm



23 cm – 9"
31.61.03

4 mm



23 cm – 9"
31.61.04



Liston-Key

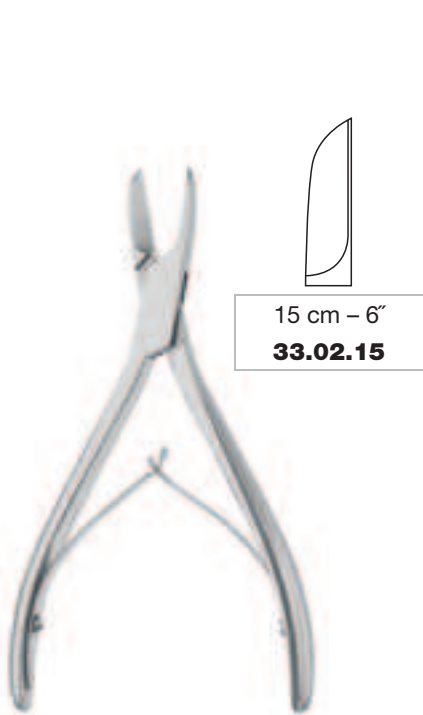
26 cm – 10¼"
33.75.27

Knochensplitterzange
 Bone cutting forceps
 Pinza cortante para huesos
 Pince coupante à os
 Pinza ossivora



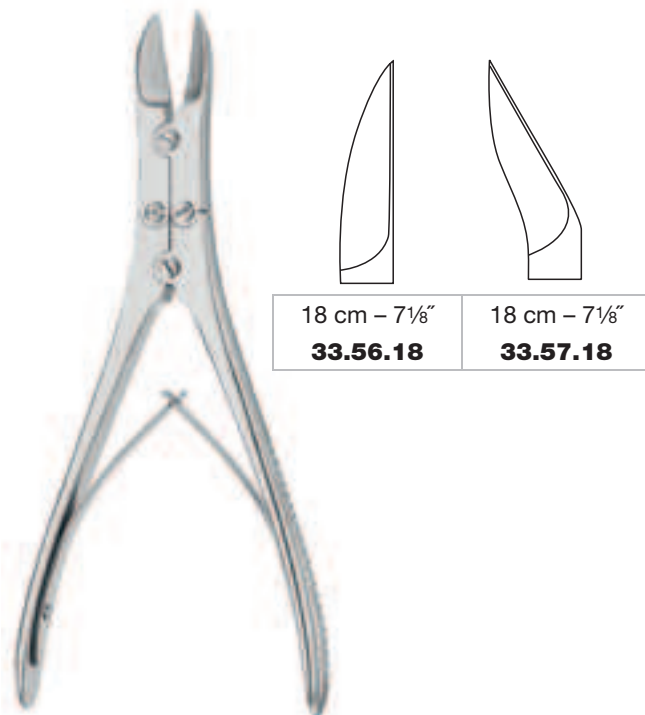
Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos
Pinces coupantes à os
Pinze ossivore

A11



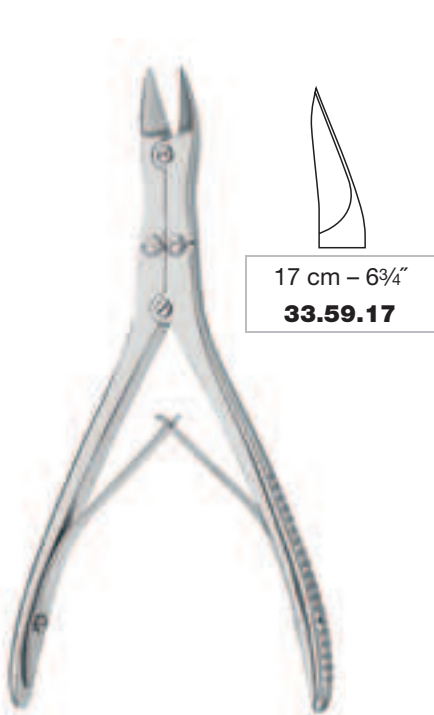
15 cm – 6"
33.02.15

Littauer-Liston



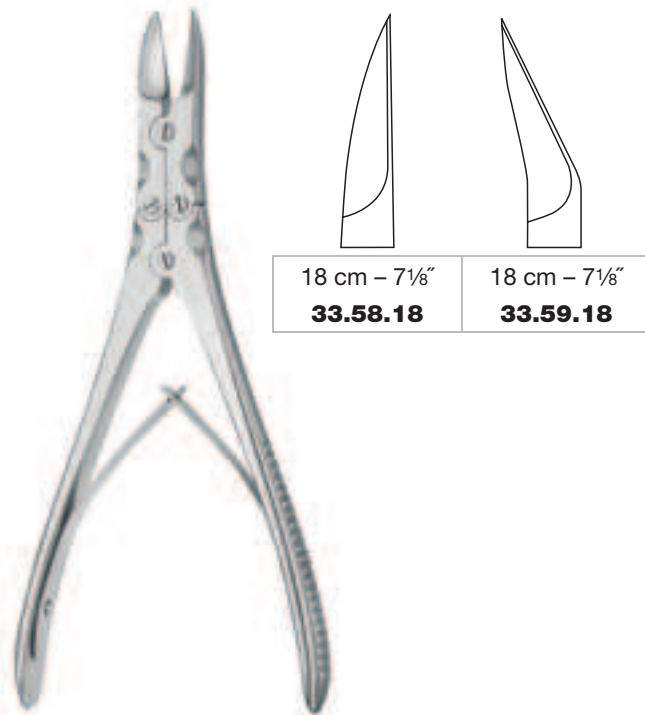
18 cm – 7 1/8" 18 cm – 7 1/8"
33.56.18 **33.57.18**

Ruskin-Liston




17 cm – 6 3/4"
33.59.17

McIndoe



18 cm – 7 1/8" 18 cm – 7 1/8"
33.58.18 **33.59.18**

McIndoe



Instrumente für die kraniale Neurochirurgie
Instruments for Cranial Neurosurgery
Instrumentos para neurocirugía craneal
Instruments pour la neurochirurgie crânienne
Strumenti per la neurochirurgia cranica

B

neuro
CRANIALIS

Instrumente für die kraniale Neurochirurgie
Instruments for Cranial Neurosurgery
Instrumentos para neurocirugía craneal
Instruments pour la neurochirurgie crânienne
Strumenti per la neurochirurgia cranica

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B06	Diamantmesser und Mikro-Instrumente Diamond knives and micro instruments Cuchillos de diamante y micro instrumentos Couteau de diamant et micro-instruments Bisturi diamantati e strumenti micro	185
B07	Hirnspatel und Hirnspatelhalter Brain spatulas and brain spatula retractors Espátulas cerebrales y separadores para espátulas cerebrales Spatules cérébrales et ecarteurs pour des spatules cérébrales Spatole cerebrali e divaricatori cerebrali	199
B08	Zerebrovaskuläre Clips Cerebrovascular clips Clips cerebrovascular Clips vasculaires cérébraux Clip cerebrovascolari	207
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B11	Druckluftmotorensystem Pneumatic high speed system Sistema de motor neumático Système de moteur pneumatique Sistema motore pneumatico	265

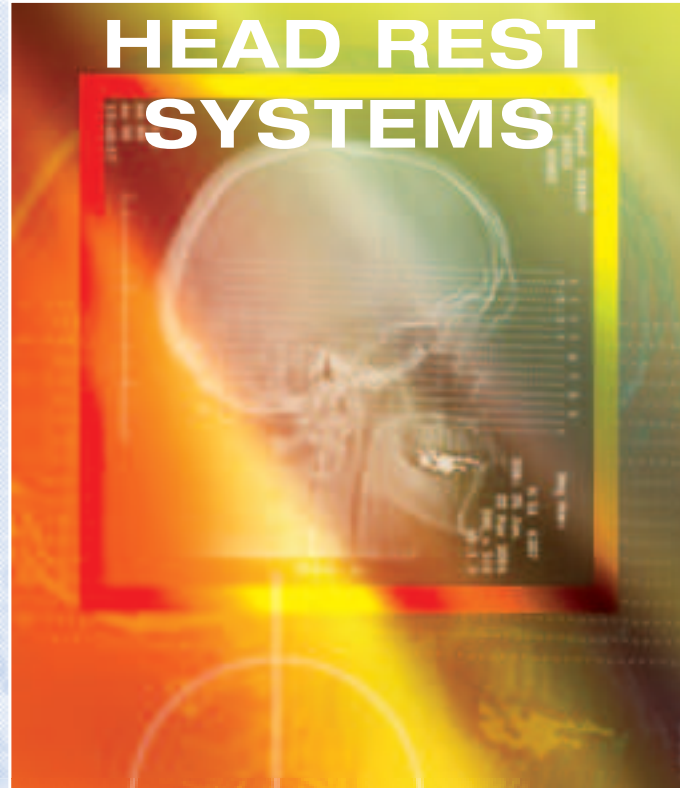
Die Medicon Schädelklemmen wurden entsprechend den speziellen Anforderungen im OP entwickelt. In Verbindung mit der Grundeinheit bietet das innovative Kopfhaltungssystem ein Maximum an Sicherheit und Stabilität.

The Medicon head rests were developed to meet the special demands in the operating theatre. In combination with the basic unit this innovative head rest system offers a maximum of safety and stability.

Los fijadores craneal fueron concebidos de Medicon para responder a las exigencias especiales en los quirófanos. En combinación con la unidad básica el sistema innovador de fijación craneal presenta un máximo de seguridad y estabilidad.

Le système de maintien crânien de Medicon a été développé conformément aux demandes des chirurgiens. Notre système novateur de maintien crânien en combinaison avec l'unité de base offre le maximum de stabilité et de sécurité.

Il sistema di fissazione cranica è stato sviluppato in base alle esigenze specifiche della sala operatoria. Grazie all'unità di base, l'innovativo sistema di fissazione cranica offre maggior sicurezza e stabilità.



entwickelt in Zusammenarbeit mit:
 developed in cooperation with:
 desarrollado en colaboración con:
 développée en collaboration avec:
 sviluppato in collaborazione con:

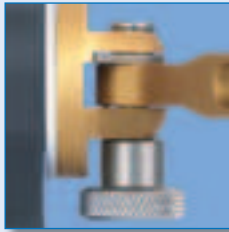
Prof. Dr. Sörensen
 Neurochirurgische Klinik, Würzburg



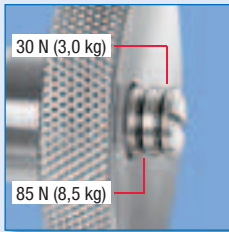
B01

FiXiT

HEAD REST SYSTEM



Spielfreie Schraubverbindung
Zero-backlash screw assembly
Conexión de tornillo sin juego
Assemblage vissé sans jeu
Connessione a vite senza gioco



Druckkraftanzeige
Pressing power indicator
Indicación de la fuerza de compresión
Indicateur de la pression
Indicatore della forza di compressione



Doppeltgesicherte Verriegelung
Double-secured locking
Cierre de doble seguridad
Un seul verrouillage deux fois plus sûr
Chiusura con doppia sicurezza



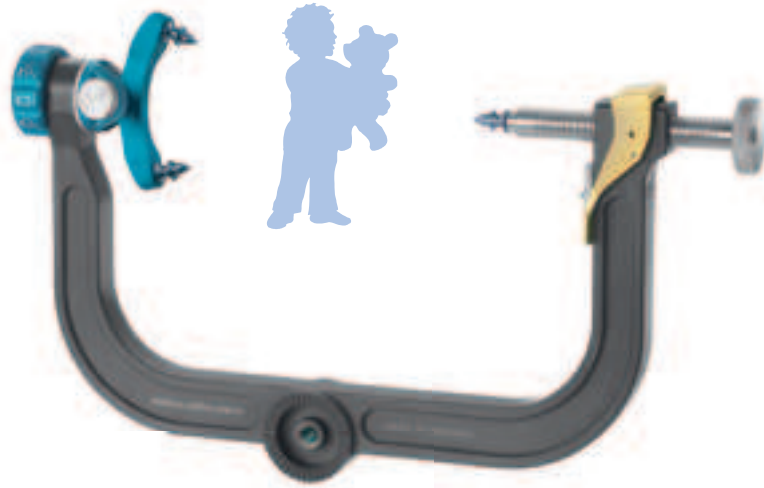
Verschleißfreier Gewindeinsatz
Wear-resistant thread insert
Inserto de rosca sin desgaste
Filetage sans usure
Inserto di filettatura non usurabile



Sehr gute Einhandbedienung
Excellent one-hand operation
Muy bueno con una sola mano
Très bien d'une seule main
Molto buona con una sola mano

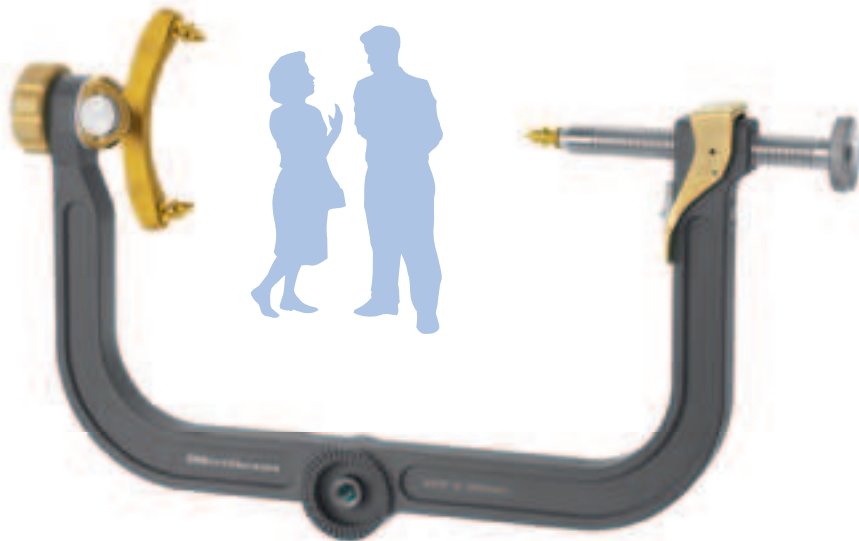
Kopfhaltungssysteme
Head Rest Systems
Sistemas de fijación craneal
Systèmes de maintien crânien
Sisteme di fissazione cranica

B01



Satz (klein)
 Set (small)
 Juego (pequeño)
 Jeu (petit)
 Set (piccolo)

300 × 180 mm		57.70.60	
Satz bestehend aus:	57.70.00 Head rest (small) with fixing screw	1x	
Set consisting of:	57.70.12 Skull pin holder (87 mm)	1x	
Juego compuesto por:	57.70.40 Skull pin (packing unit 5 pieces)	1x	
Jeu composé de:			
Set composto da:			



Satz (groß)
 Set (large)
 Juego (grande)
 Jeu (grand)
 Set (grande)

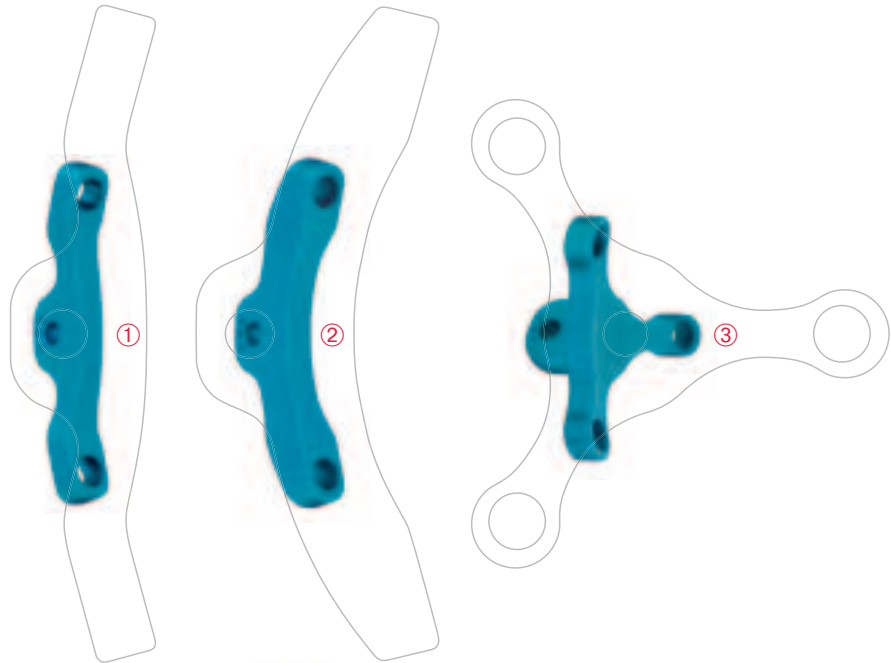
340 × 200 mm		57.70.50	
Satz bestehend aus:	57.70.02 Head rest (small) with fixing screw	1x	
Set consisting of:	57.70.16 Skull pin holder (105 mm)	1x	
Juego compuesto por:	57.70.44 Skull pin (packing unit 5 pieces)	1x	
Jeu composé de:			
Set composto da:			

**B01**

Kopfhaltungssystem (klein)
Head Rest System (Small)
Sistema de fijación craneal (pequeño)
Système de maintien crânien (petit)
Sistema di fissazione cranica (piccolo)

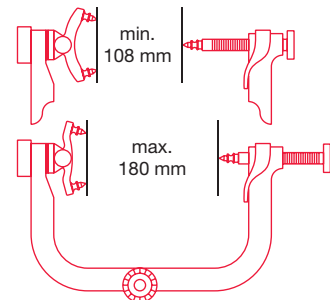
Dornaufnahmen
 Skull pin holders
 Soportes para pernos
 Porte-épines
 Braccetti per punte

①	87 mm	57.70.10
②	87 mm	57.70.12
③	62 mm	57.70.14
④	67 mm	57.70.20
⑤	62 mm	57.70.24
⑥	37 mm	57.70.30
⑦	34 mm	57.70.34



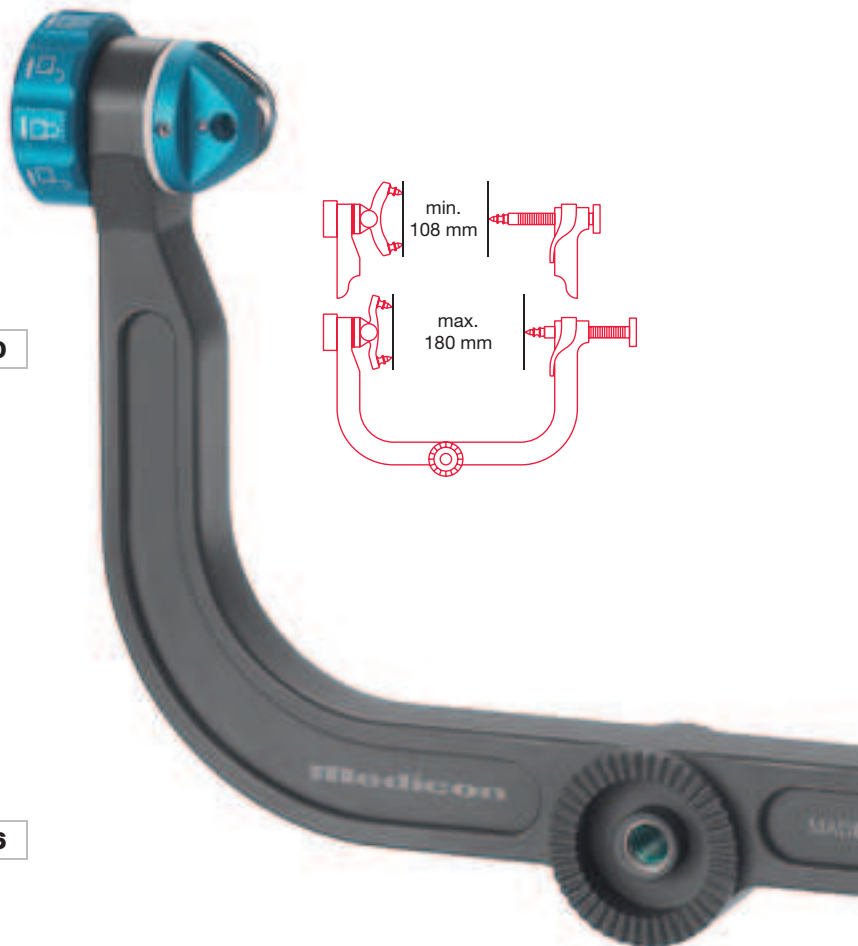
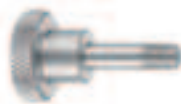
Schädelklemme (klein) mit Fixierschraube
 Head rest (small) with fixing screw
 Fijador craneal (pequeño) con tornillo de fijación
 Maintien crânien (petit) avec vis de fixation
 Testiera (piccolo) con vite di fissaggio

Sörensen 57.70.00



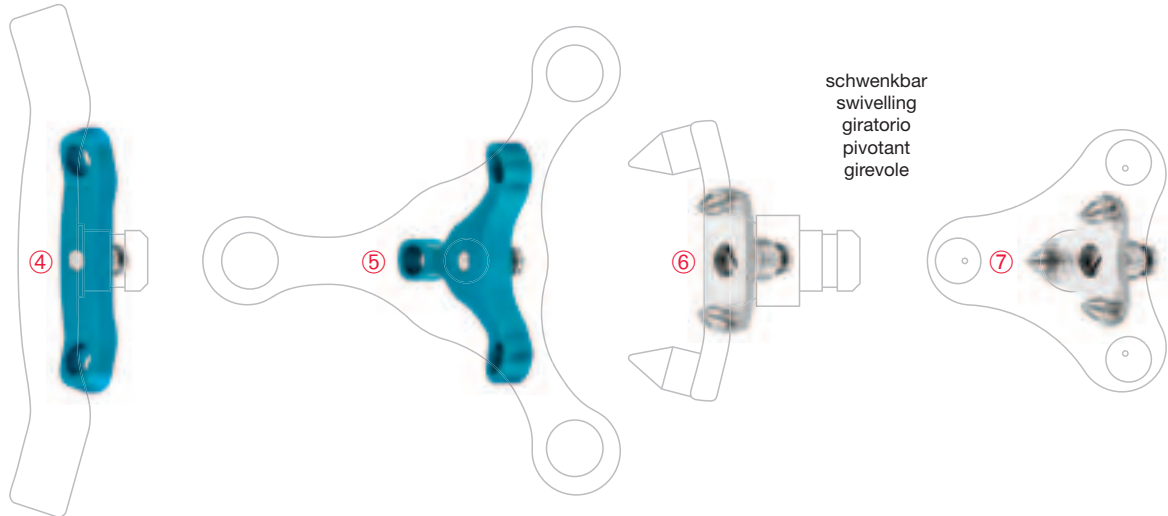
Fixierschraube
 Fixing screw
 Tornillo de fijación
 Vis de fixation
 vite di fissaggio

40 mm 57.70.06



Kopfhaltungssystem (klein)
Head Rest System (Small)
Sistema de fijación craneal (pequeño)
Système de maintien crânien (petit)
Sistema di fissazione cranica (piccolo)

B01



schwenkbar
 swivelling
 giratorio
 pivotant
 girevole



Dorne (wenig traumatisierend)
 Skull pins (hardly traumatic)
 Pernos (poco traumatica)
 Epines (peu traumatisante)
 Punte (minimamente traumatica)



1:1

25 mm **57.70.40** P₅ **Ti**



1:1

25 mm **57.70.42** P_{12x3}

STERILE

Verpackungseinheit 12 Pack mit je 3 Stück, steril
 Packing unit 12 packages of 3 pieces each, sterile
 Caja con 12 paquetes incluyendo 3 piezas, estériles
 Emballage de 12 paquets comportant chacun 3 pièce, stériles
 Scatola da 12 confezioni da 3 pezzi, sterili

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

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

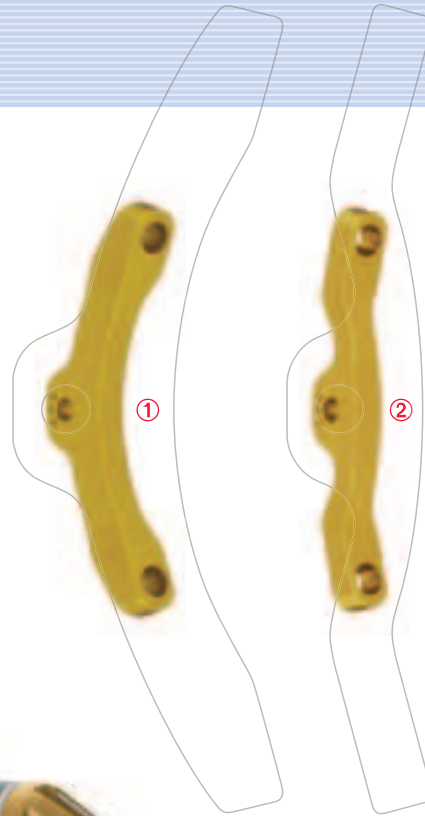
Titan
 Titanium
 Titanio
 Titane
 Titanio

**B01**

Kopfhaltungssystem (groß)
Head Rest System (Large)
Sistema de fijación craneal (grande)
Système de maintien crânien (grand)
Sistema di fissazione cranica (grande)

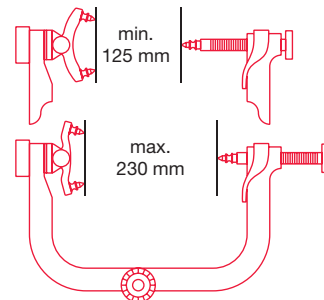
Dornaufnahmen
 Skull pin holders
 Soportes para pernos
 Porte-épines
 Braccetti per punte

①	105 mm	57.70.16
②	105 mm	57.70.18

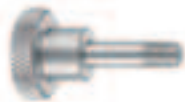


Schädelklemme (groß) mit Fixierschraube
 Head rest (large) with fixing screw
 Fijador craneal (grande) con tornillo de fijación
 Maintien crânien (grand) avec vis de fixation
 Testiera (grande) con vite di fissaggio

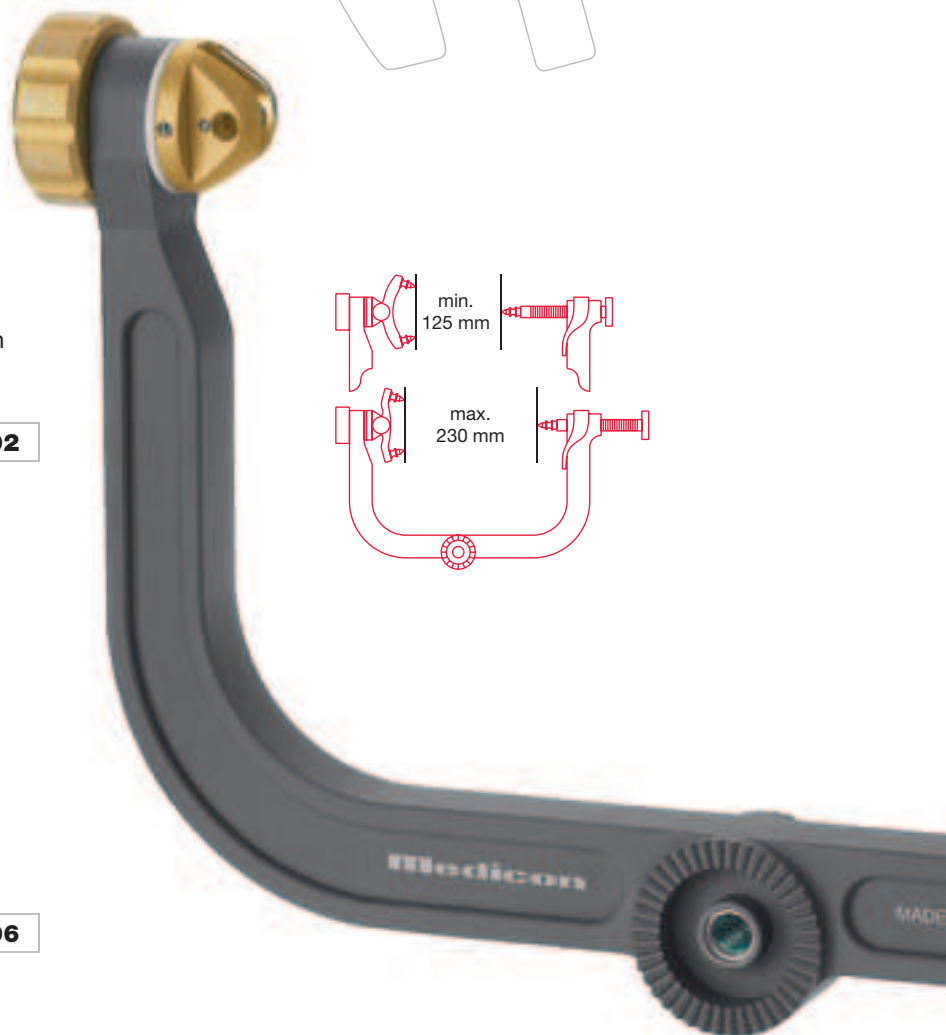
Sörensen 57.70.02



Fixierschraube
 Fixing screw
 Tornillo de fijación
 Vis de fixation
 Vite di fissaggio



40 mm 57.70.06





B01

Kopfhalterungssystem (groß)
Head Rest System (Large)
Sistema de fijación craneal (grande)
Système de maintien crânien (grand)
Sistema di fissazione cranica (grande)



1:1



25 mm **57.70.44** P₅ **Ti**

Dorne (wenig traumatisierend)
 Skull pins (hardly traumatic)
 Pernos (poco traumatica)
 Epines (peu traumatisante)
 Punte (minimamente traumatica)

1:1



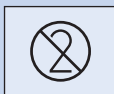
25 mm **57.70.46** P_{12x3}

STERILE

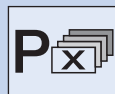
Verpackungseinheit 12 Pack mit je 3 Stück, steril
 Packing unit 12 packages of 3 pieces each, sterile
 Caja con 12 paquetes incluyendo 3 piezas, estériles
 Emballage de 12 paquets comportant chacun 3 pièce, stériles
 Scatola da 12 confezioni da 3 pezzi, sterili



IN GERMANY



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



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



Titan
 Titanium
 Titanio
 Titane
 Titanio

**B01**

Adapter für Grundeinheit
Connectors for Basic Unit
Adaptadors per unidad básica
Adaptateurs pour unité de base
Adattatori per unità die base

Verbindungsadapter
 Connector for adaption
 Adaptador per conexión
 Adaptateur pour connexion
 Adattatore per raccordo

zur Adaption der Schädelklemme mit der Grundeinheit
 to connect head rest to basic unit
 para la conexión del cabezal con el unidad básica
 pour connexion du maintien crânién avec unité de base
 per il raccordo della testiera con l'unità di base

**57.70.65**

Universaladapter
 Universal connector
 Adaptador universal
 Adaptateur universel
 Adattatore universale

zur Adaption der Schädelklemme mit der Grundeinheit und weiterem operativen Zubehör

to connect head rest to basic unit as well as to further operative accessories

para la conexión del cabezal con el unidad básica y más accesorios operativos

pour connexion du maintien crânién avec unité de base et accessoires supplémentaires

adattatore universale per il raccordo della testiera con l'unità di base e ulteriori accessori

**57.70.66****451.02.17**

Unser komplettes FIXIT-Programm finden Sie in unserem Sonderprospekt.
 For our complete line of FIXIT, see our special brochure.
 El programa completo de FIXIT se encuentra en nuestro folleto especial.
 Vous trouverez notre programme complet de FIXIT dans notre brochure spécial.
 Troverete il nostro programma completo di FIXIT nel nostro depliant speciale.

Kopfhautklammern
Scalp Clips
Clips hemostáticos para cuero cabelludo
Clips hémostatiques pour cuir chevelu
Clip emostatiche per cuoio capelluto

B02

Biokompatibles Material ◀
 Atraumatische Verzahnung ◀
 Zuverlässige Blutstillung ◀

Biocompatible material ◀
 Atraumatic dovetailing ◀
 Reliable hemostasis ◀

Material biocompatible ◀
 Dentado atraumático ◀
 Hemostasis fiable ◀

Matériel biocompatible ◀
 Denture atraumatique ◀
 L'hémostase éprouvée ◀

Materiale biocompatibile ◀
 Dentellatura atraumatica ◀
 Emostasi affidabile ◀



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Kopfhautklammer und Zange

Scalp Clip and Forceps

Clip hemostático para cuero cabelludo y pinza

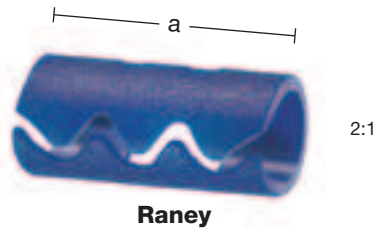
Clip hémostatique pour cuir chevelu et pince

Clip emostatiche per cuoio capelluto e pinza

B02

SCALP CLIPS
RANEY
shark

Kopfhautklammer aus Kunststoff
Plastic scalp clip
Clip hemostático de plástico para cuero cabelludo
Clip hémostatique en plastique pour cuir chevelu
Clip emostatiche in plastica per cuoio capelluto



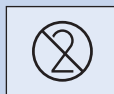
Raney
a = 16 mm **57.85.03A** P_{20x10}

⊗ **STERILE**

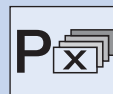
Anlege- und Entnahmezange
Applying and removing forceps
Pinza para aplicar y quitar
Pince à appliquer et retirer
Pinza per applicare e togliere



16 cm – 6¼"
57.85.07



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



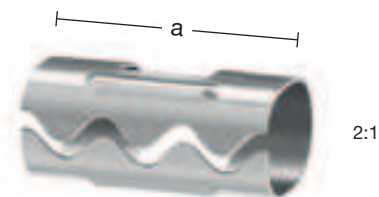
Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi



Kopfhautklammer und Zange
Scalp Clip and Forceps
Clip hemostático para cuero cabelludo y pinza
Clip hémostatique pour cuir chevelu et pince
Clip emostatiche per cuoio capelluto e pinza

B02

Kopfhautklammer aus Stahl
 Steel scalp clip
 Clip hemostático de acero para cuero cabelludo
 Clip hémostatique en acier pour cuir chevelu
 Clip emostatiche in acciaio per cuoio capelluto



Raney

a = 16 mm **57.85.01** P₁₀

Anlege- und Entnahmezange
 Applying and removing forceps
 Pinza para aplicar y quitar
 Pince à appliquer et retirer
 Pinza per applicare e togliere



16 cm - 6 1/4"
57.85.05



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



B02

Galeahaken und Kopfhautklammer

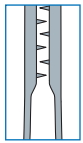
Galea Hooks and Scalp Clip

Ganchos para galea y clip hemostático para cuero cabelludo

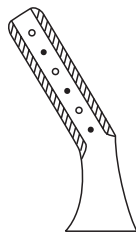
Crochets de galea et clip hémostatique pour cuir chevelu

Uncini per galea e clip emostatica per cuoio capelluto

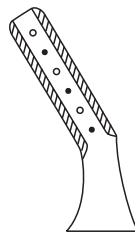
Galeahaken
Galea hooks
Ganchos para galea
Crochets de galea
Uncini per galea



Yasargil



31 cm - 12 1/8"
57.85.10



41 cm - 16"
57.85.11

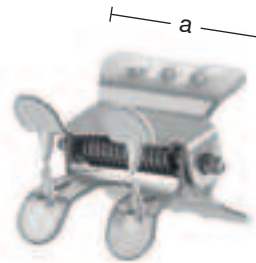
Kopfhautklammer aus Stahl

Steel scalp clip

Clip hemostático de acero para cuero cabelludo

Clip hémostatique en acier pour cuir chevelu

Clip emostatica in acciaio per cuoio capelluto



2:1

Mod. Köln

a = 10 mm

57.85.50



Instrumente für die Trepanation und Kraniotomie
Instruments for the Trepanation and Craniotomy
Instrumentos para la trepanación y craneotomía
Instruments pour la trépanation et craniotomie
Strumenti per la trapanazione e craniotomia

B03

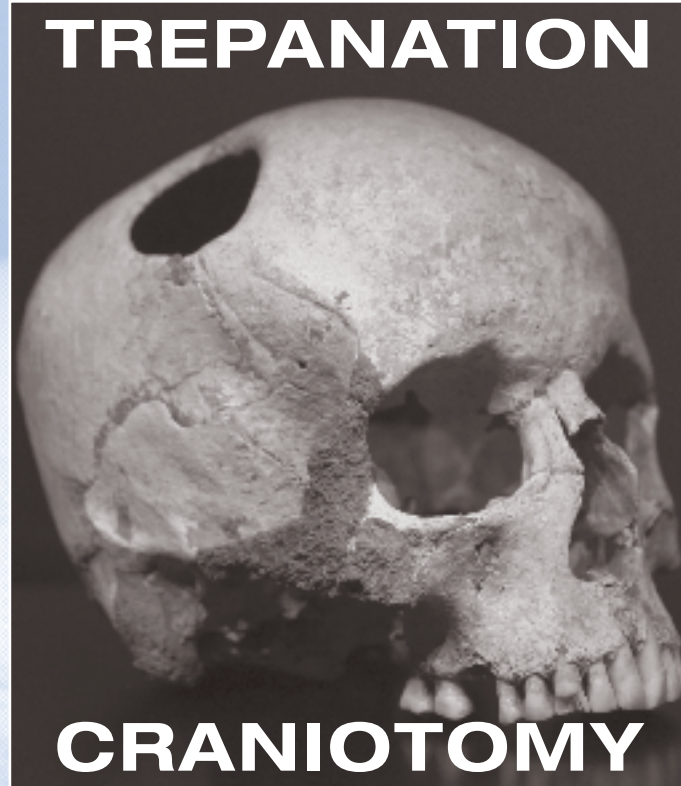
Trepanationen können bereits um 10.000 v. Chr. nachgewiesen werden. In Südamerika wurden mehrere Gräber (etwa 2000 Jahre alt) mit trepanierten Schädeln und chirurgischen Werkzeugen gefunden.

There is evidence of trepanations as early as 10,000 BC. Several graves (around 2000 years old) with trepanned skulls and surgical instruments were found in South America.

Existen pruebas de que ya se realizaban trepanaciones por el año 10.000 a. de C. En Sudamérica se han encontrado varias tumbas (de alrededor de 2000 años de antigüedad) con cráneos trepanados y herramientas quirúrgicas.

On retrouve des traces de trépanation dès 10 000 av.J.C. environ. Plusieurs tombes (vieilles d'environ 2 000 ans) contenant des crânes trépanés et des instruments chirurgicaux ont été retrouvées en Amérique du Sud.

Già dal 10.000 a.C. si hanno dimostrazioni di trapanazioni. In Sudamerica sono state ritrovate tombe (di circa 2000 anni fa) con crani trapanati e strumenti chirurgici.



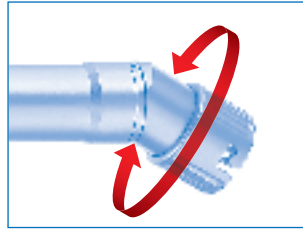
Vip Air
PNEUMATIC HIGH SPEED SYSTEM

**B03**

Druckluftmotoren
Pneumatic High Speed Motors
Motores neumáticos
Moteurs pneumatiques
Motori pneumatici

VipAir
 PNEUMATIC HIGH SPEED SYSTEM

Winkelmotor
 Angled motor
 Motor angulado
 Moteur angulaire
 Motore angolato

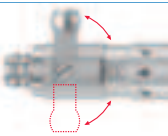


Das drehbare Winkelstück verhindert ein Verwinden des Motorschlauches
 The rotatable elbow avoids a torsion of the motor tube
 La pieza de mano giratoria evita una torsión del tubo de motor
 Le coude à plat pivotant empêche une torsion du tuyau moteur
 Il raccordo girevole impedisce una torsione del tubo motore



11 cm - 4 $\frac{3}{8}$ " **93.00.20**

entsichert
 unlocked
 desasegurado
 déverrouillé
 sbloccare



gesichert
 locked
 asegurado
 verrouillé
 bloccare



Sicherungsriegel der Kupplung
 Safety lock of coupling
 Pasador de seguridad del acoplamiento
 Embrayage à verrou de sécurité
 Chiusura di sicurezza dell'accoppiamento

Trepanmotor
 Trepan motor
 Motor de trépano
 Moteur à trépan
 Motore trapano



15,5 cm - 6 $\frac{1}{8}$ " **93.00.25**

Mit niedriger Drehzahl, hohem Drehmoment und HUDSON-Anschluß
 With low speed, high torque and HUDSON connection
 Con un número de revoluciones bajo, un momento de giro alto y conexión HUDSON
 Avec régime faible, rotation rapide et raccord HUDSON
 Con a basso numero di giri, elevato momento torcente ed attacco HUDSON

Technische Daten Technical data Especificaciones técnicas Caractéristiques techniques Dati tecnici	Drehzahl bei 8 bar Revolutions per minute at 8 bar Número de revoluciones a 8 bar Nombre de tours à 8 bar Numero di giri a 8 bar	Drehmoment bei 8 bar Torque at 8 bar Momento de giro a 8 bar Moment de rotation à 8 bar Momento torcente a 8 bar	Leistung bei 8 bar Output at 8 bar Potencia a 8 bar Puissance à 8 bar Potenza a 8 bar	Empfohlener Druck Recommended pressure Presión recomendada Pression recommandée Pressione raccomandata	Freigegebener Druck Approved pressure Presión permitida Pression libérée Pressione permessa
93.00.20	100.000 U/min	2,8 Ncm	60 Watt	6-8 bar	8±2 bar
93.00.25	950 U/min	45,0 Ncm	88 Watt	8 bar	8±2 bar

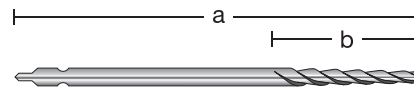
Kraniotome
 Craniotomes
 Cráneotomos
 Crâniotomes
 Craniotomi



1:1

a = 10 mm	a = 15 mm	a = 20 mm
S	M	L
93.00.30	93.00.32	93.00.34

Kraniotomfräser
 Craniotome burrs
 Fresas para craneotomo
 Fraises pour crâniotome
 Frese per craniotomo



1:1

STERILE

Ø 1,5 mm	Ø 1,5 mm	Ø 1,5 mm
a = 48 mm	a = 52 mm	a = 66 mm
b = 12 mm	b = 16 mm	b = 20 mm
S	M	L
93.01.15	93.03.37	93.03.38

Trepanfräser
 Trepanation burrs
 Fresas de trépano
 Fraises à trépan
 Punta per perforatore



1:1

HUDSON-Anschluß
 HUDSON connection
 Conexión HUDSON
 Raccord HUDSON
 Attacco HUDSON

mit Montageschlüssel
 with mounting wrench
 con llave de ensamblaje
 avec clé de montage
 con chiave di assemblaggio

a = Ø 7 mm	a = Ø 11 mm	a = Ø 16 mm
93.04.00	93.04.05	93.04.10



VipAir

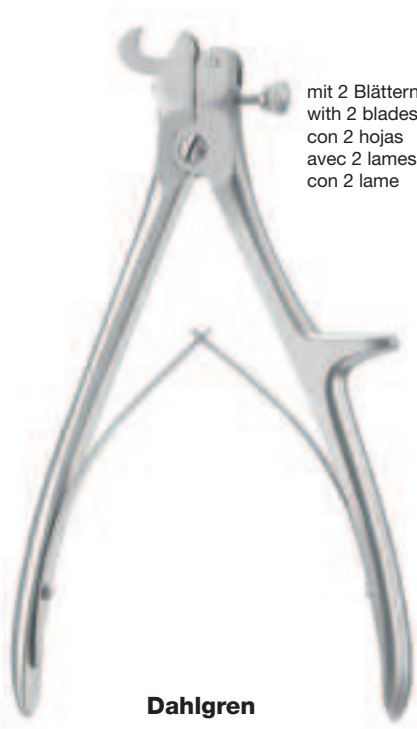
PNEUMATIC HIGH SPEED SYSTEM

Das komplette Druckluftmotorensystem finden sie auf den Seiten 265-276.
 The complete pneumatic high speed system can be found on pages 265-276.
 El sistema completo de motor neumático se describe en las páginas 265-276.
 Vous trouverez le système de moteur à air comprimé complet aux pages 265-276.
 Il sistema completo di motore pneumatico si trova alle pagine 265-276.

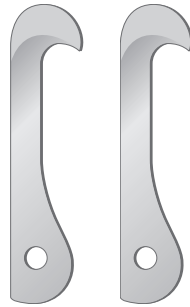


Schädelstanzen
Skull Punches
Pinzas saca-bocadas para craneotomía
Pinces emporte-pièce crâniennes
Pinze per craniotomia

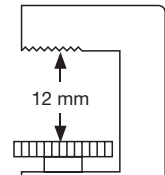
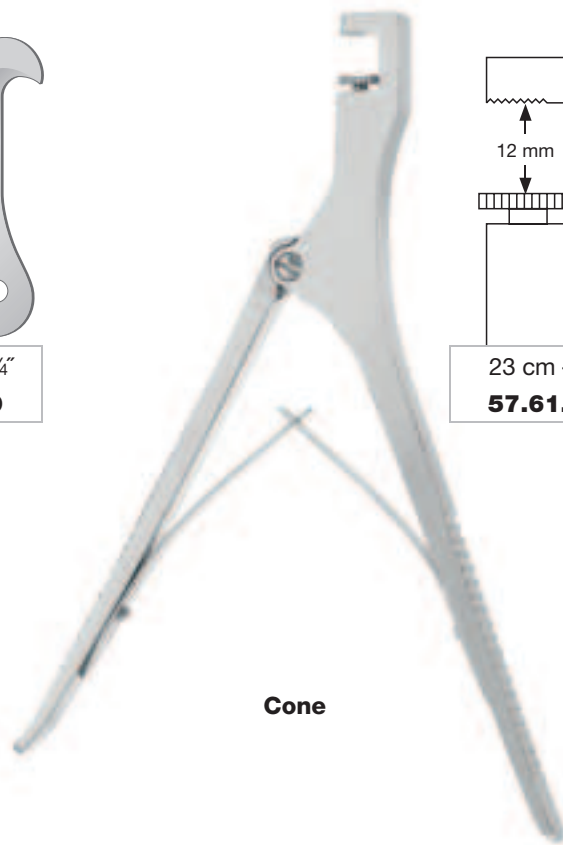
B03



mit 2 Blättern
 with 2 blades
 con 2 hojas
 avec 2 lames
 con 2 lame



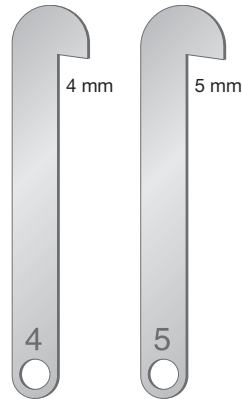
21 cm – 8¼"
57.01.20



23 cm – 9"
57.61.11



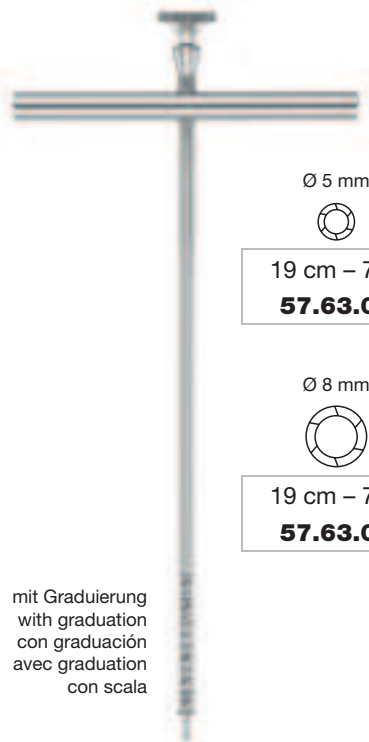
mit 2 Blättern
 with 2 blades
 con 2 hojas
 avec 2 lames
 con 2 lame



21 cm – 8¼"
57.01.21

Schädeltrephinen und Bohrerführungszange
Skull Trephines and Drill Guide Forceps
Trépanos craneales y pinza guía de taladros
Tréphines crâniennes et pince guide-forêt
Trapano cranico e pinza guida-perforatore

B03



Ø 5 mm



19 cm – 7½"

57.63.05

Ø 8 mm



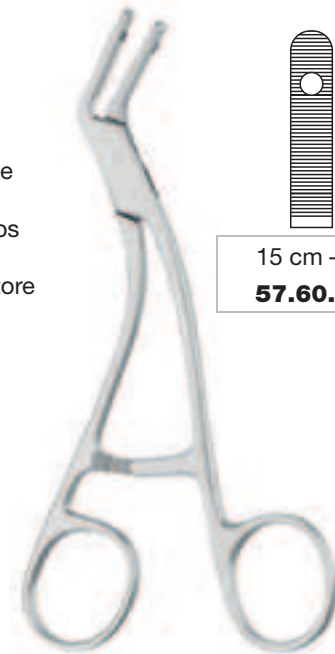
19 cm – 7½"

57.63.08

mit Graduierung
 with graduation
 con graduación
 avec graduation
 con scala

Michele

Bohrerführungszange
 Drill guide forceps
 Pinza guía de taladros
 Pince guide-forêt
 Pinza guida-perforatore



15 cm – 6"

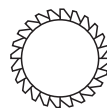
57.60.95

Adson



mit verstellbarem Dorn und abnehmbarem Quergriff
 with adjustable centering point and detachable cross-bar handle
 con guía-central ajustable y mango transversal desmontable
 avec pointe ajustable et manche transversal démontable
 con punta regolibile e manico trasversale smontabile

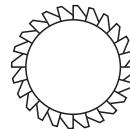
Ø 13 mm



11 cm – 4¾"

57.63.13

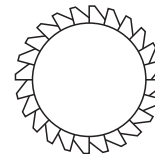
Ø 16 mm



11 cm – 4¾"

57.63.16

Ø 19 mm



11 cm – 4¾"

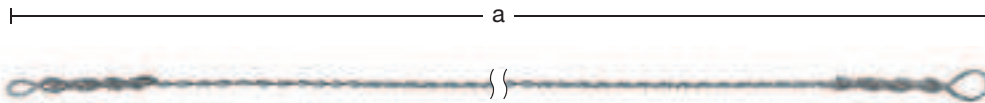
57.63.19

Galt

**B03**

Drahtsägen und Zubehör
Wire Saws and Accessories
Sierras de hilo de acero y accesorios
Scies en fil d'acier et accessoires
Seghe di filo d'acciaio e accessori

Drahtsägen
 Wire saws
 Sierras de hilo de acero
 Scies en fil d'acier
 Seghe di filo d'acciaio



1:1

Gigli (Olivecrona)

Ø 1 mm	57.64.30	a = 300 mm
Ø 1 mm	57.64.40	a = 400 mm
Ø 1 mm	57.64.50	a = 500 mm
Ø 1 mm	57.64.60	a = 600 mm
Ø 1 mm	57.64.70	a = 700 mm

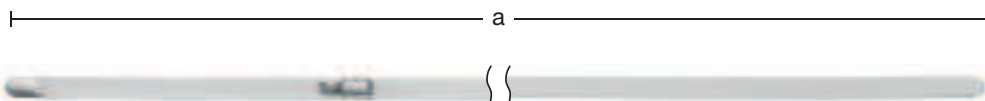
Handgriffe
 Handle
 Mango
 Manche
 Manico

**Gigli**

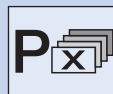
57.64.02
**Gigli**

57.64.06

Einführungsinstrument (flexibel)
 Guiding instrument (flexible)
 Instrumento para la introducción (flexible)
 Instrument à introduire (flexible)
 Strumento introduttore (flessibile)

**De Martel (Bailey)**

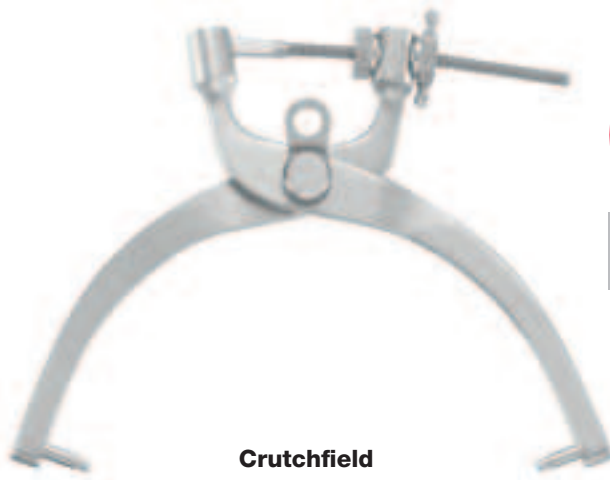
6 mm	57.64.90	a = 330 mm
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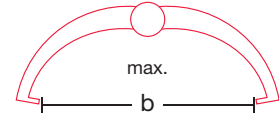
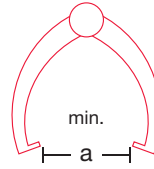


Schädelhalter
Skull Traction Tongs
Pinzas craneales de tracción
Pinces de traction crâne
Pinze di trazione per cranio

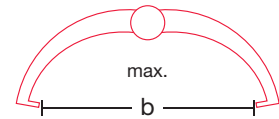
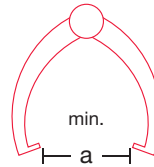
B03



Crutchfield



a = 65 mm	57.67.01	b = 115 mm
a = 90 mm	57.67.02	b = 180 mm



a = 30 mm	57.68.02	b = 155 mm
-----------	-----------------	------------

Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:	57.68.12 Wrench	1x
	57.68.13 Skull pins	2x

Dorn
Skull pin
Perno
Epine
Punta



57.68.12

Schlüssel
Wrenches
Llaves
Clés
Chiave



57.68.13



Handbohrapparat und Werkzeuge
Hand Drill and Tools
Perforador de mano y terminales
Perforateur à main et outils
Trapano a mano e punte

B03

Bogenkurbel
 Brace
 Berbiqui
 Vilebrequin
 Manovella

27,5 cm – 10¾"
57.60.03

Verlängerungsstück
 Extension piece
 Pieza de prolongación
 Rallonge
 Pezzo di prolungamento

9 cm – 3½"
57.60.05

Hudson**Hudson****57.60.00**

Satz bestehend aus:
 Set consisting of:
 Juego compuesto por:
 Jeu composé de:
 Set composto da:

57.60.03 Hand drill	1x
57.60.05 Extension piece	1x
57.60.09 Burr	1x
57.60.14 Burr	1x
57.60.16 Dust burr	1x
57.60.22 Dust burr	1x

Flachbohrer
 Flat drill
 Broca plano
 Fraise en plat
 Perforatore piatto



Cushing 57.60.34 Ø 14 mm



57.60.09 Ø 9 mm



57.60.14 Ø 14 mm

Fräser
 Burrs
 Fresas
 Fraises
 Frese



57.60.16 Ø 16 mm



57.60.22 Ø 22 mm

Kugelfräser
 Spherical burrs
 Fresas redondas
 Fraises forme boule
 Frese a pallina



McKenzie 57.60.43 Ø 13 mm



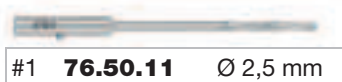
D'Errico 57.60.76 Ø 16 mm

Perforationsbohrer
 Perforators
 Brocas helicoidales
 Fraises hélicoïdales
 Perforatori elicoidali

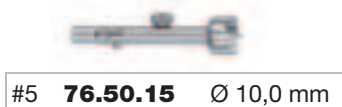
Handbohrapparate und Werkzeuge
Hand Drills and Tools
Perforadores de mano y terminales
Perforateurs à main et outils
Trapani a mano e punte

B03

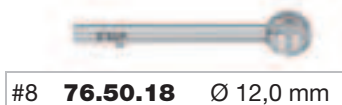
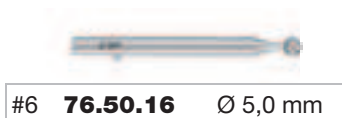
Spiralbohrer
 Twist drills
 Brocas espirales
 Fraises en spirale
 Perforatori a spirale



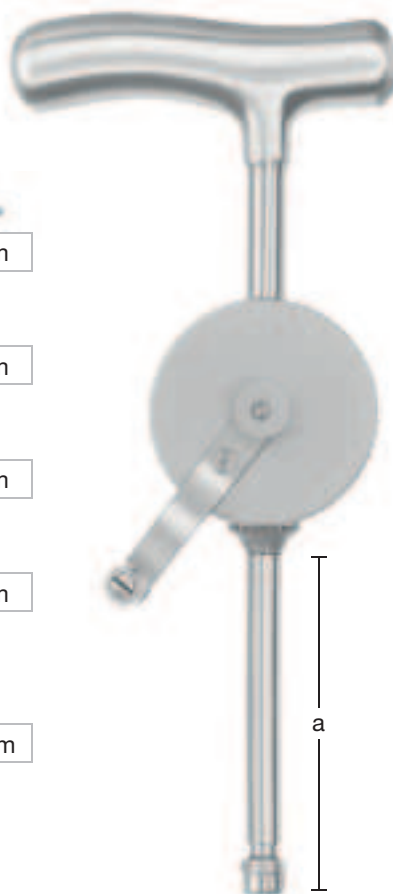
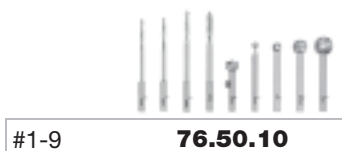
Trepine
 Trepine
 Trépano
 Tréphine
 Trapano



Fräser
 Burrs
 Fresas
 Fraises
 Frese



Satz komplett
 Set complete
 Juego completo
 Jeu complet
 Set completo



Handbohrapparate (allein)
 Hand drills (only)
 Perforadores de mano (solo)
 Perforateurs à main (seul)
 Trapani a mano (solo)

Stille	
76.50.01	a = 50 mm
Stille-Sherman	
76.50.31	a = 100 mm

Vorbohrer
 Reamer
 Perforador
 Alésoir
 Perforatore



	Stille	76.50.00
Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:	76.50.01	Hand drill (a = 50 mm) 1x
	76.50.11	Twist drill 1x
	76.50.12	Twist drill 1x
	76.50.13	Twist drill 1x
	76.50.14	Twist drill 1x
	76.50.15	Trepine 1x
	76.50.16	Burr 1x
	76.50.17	Burr 1x
	76.50.18	Burr 1x
76.50.19	Burr 1x	

	Stille-Sherman	76.50.30
Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:	76.50.31	Hand drill (a = 100 mm) 1x
	76.50.11	Twist drill 1x
	76.50.12	Twist drill 1x
	76.50.13	Twist drill 1x



Handbohrapparate und Spiralbohrer
Hand Drills and Twist Drills
Perforadores de mano y brocas espirales
Perforateurs à main et forets hélicoïdaux
Trapani a mano e perforatori elicoidali

B03

mit verstellbarem Griff, Dreibackenspannfutter und Schlüssel
 with adjustable handle, three-jaw chuck and wrench
 con mango ajustable, porta-brocas de trimandibular y llave
 avec manche ajustable, mandrin trois mâchoires et clé
 con manico regolabile, mandrino a tre ganasce e chiave

76.50.80

Schlüssel
 Wrench
 Llave
 Clé
 Chiave

**76.50.81**

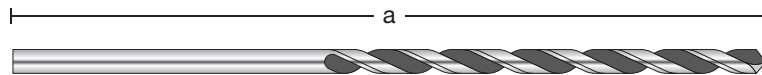
mit Dreibackenspannfutter und Schlüssel
 with three-jaw chuck and wrench
 con porta-brocas de trimandibular y llave
 avec mandrin trois mâchoires et clé
 con mandrino a tre ganasce e chiave

76.51.20

Schlüssel
 Wrench
 Llave
 Clé
 Chiave

**76.51.21****Ralk**

Spiralbohrer
 Twist drills
 Brocas espirales
 Forets hélicoïdaux
 Perforatori elicoidali



1:1

Ø 1,5 mm	76.69.15	a = 7,0 cm
Ø 2,0 mm	76.69.20	a = 8,5 cm
Ø 2,5 mm	76.69.25	a = 9,5 cm
Ø 3,0 mm	76.69.30	a = 10,0 cm
Ø 3,2 mm	76.69.32	a = 10,0 cm

Ø 3,5 mm	76.69.35	a = 11,0 cm
Ø 4,0 mm	76.69.40	a = 12,0 cm
Ø 4,5 mm	76.69.45	a = 13,0 cm
Ø 5,0 mm	76.69.50	a = 13,0 cm
Ø 6,0 mm	76.69.60	a = 14,0 cm

Stanzen
Rongeurs
Pinzas saca-bocadas
Pinces emporte-pièce
Laminotomi

B04

Flacher Schieber ◀
 Ergonomisches Design und Balance ◀
 Einteilige Zerlegetechnik ◀

Flat upper slide ◀
 Ergonomic design and balance ◀
 One piece dismantable rongeur ◀

Corredera plana ◀
 Diseño ergonómico e equilibrado ◀
 Pinza saca-bocada desmontable de
 una sola pieza

Coulisse plate ◀
 Design et équilibre ergonomiques ◀
 Technique de démontage en une pièce ◀

Asta piatta ◀
 Design ed equilibrio ergonomici ◀
 Tecnica di smontaggio monopezzo ◀



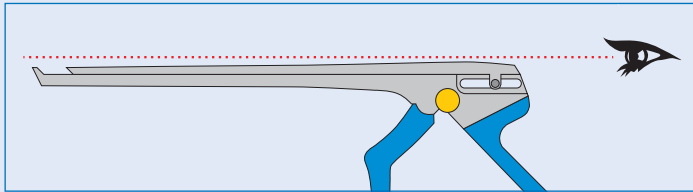
Kerrison
 ...DieBLAUEN.



B04

Kerrison ...DieBLAUEN.

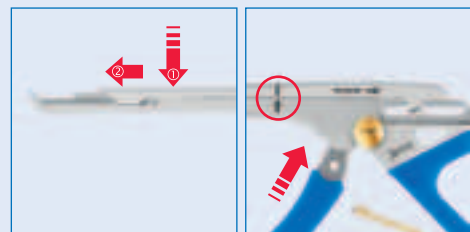
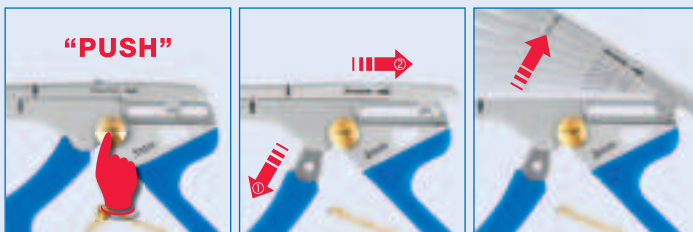
Zerlegbare Stanzen mit Silikon Griff
Dismantable Rongeurs with Silicone Handle
Pinzas saca-bocadas desmontables con mango de silicona
Pinces emporte-pièce démontables avec manche en silicone
Laminotomi smontabili con manico in silicone



Flacher Schieber für optimale Sicht bei minimal-invasiven Eingriffen
Flat upper slide allows ideal visibility for minimally invasive surgery
Corredera plana posibilita una visión óptimal en intervenciones minimamente invasivas
Coulisse plate pour une visibilité optimale lors des interventions minimales invasives
L'asta piatta permette una vista ottimale per interventi mini-invasivi



Ergonomisches Design und Balance für höchste Präzision und Arbeitskomfort
Ergonomic design and balance for high precision and working comfort
Diseño ergonómico e equilibrado para la máxima precisión y confort de trabajo
Design et équilibre ergonomique pour une précision et un confort de travail maximal
Design ed equilibrio ergonomici per un'altissima precisione e comfort di lavorativo



Einteilige Zerlegetechnik für einfache Demontage und Montage
One piece dismantable rongeur for easy disassembling and assembling
Pinza saca-bocada desmontable de una sola pieza para un desmontaje/montaje sencillo
Technique de démontage d'une pièce pour un montage et un démontage facile
Tecnica di smontaggio monopezzo per un smontaggio e montaggio facile

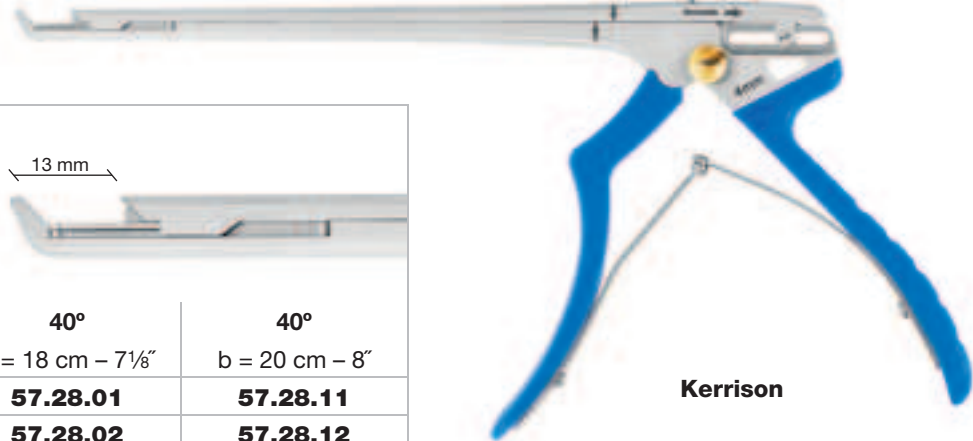
Kerrison
...DieBLAUEN.

Zerlegbare Stanzen mit Silikongriff
Dismantable Rongeurs with Silicone Handle
Pinzas saca-bocadas desmontables con mango de silicona
Pinces emporte-pièce démontables avec manche en silicone
Laminotomi smontabili con manico in silicone

B04



— b —



Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	40°	40°
a	b = 18 cm – 7 1/8"	b = 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

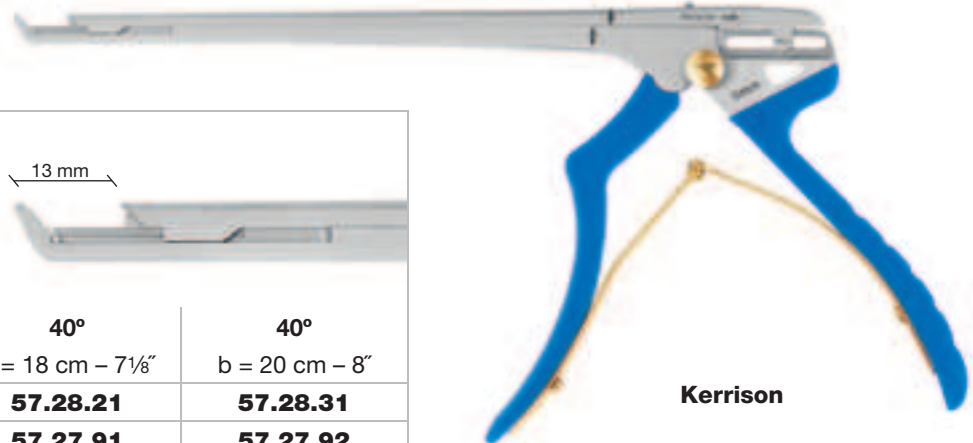
Kerrison



mit Auswerfer
with ejector
con expulsor
avec éjecteur
con espulsore

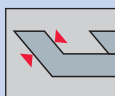


— b —

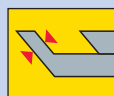


Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	40°	40°
a	b = 18 cm – 7 1/8"	b = 20 cm – 8"
1,0 mm	57.28.21	57.28.31
1,5 mm	57.27.91	57.27.92
2,0 mm	57.28.22	57.28.32
3,0 mm	57.28.23	57.28.33
4,0 mm	57.28.24	57.28.34
5,0 mm	57.28.25	57.28.35
6,0 mm	57.28.26	57.28.36

Kerrison



Breite Stanzplatte = graue Feder
 Thick footplate = gray spring
 Lámina de punzonar ancha = muelle gris
 Plaque de poinçonnage large= ressort gris
 Morso largo = molla grigia



Schmale Stanzplatte = goldene Feder
 Narrow footplate = golden spring
 Lámina de punzonar estrecha = muelle dorada
 Plaque de poinçonnage étroite= ressort doré
 Morso sottile = molla dorata

**B04**

Zerlegbare Stanzen mit Silikongriff
Dismantable Rongeurs with Silicone Handle
Pinzas saca-bocadas desmontables con mango de silicona
Pinces emporte-pièce démontables avec manche en silicone
Laminotomi smontabili con manico in silicone

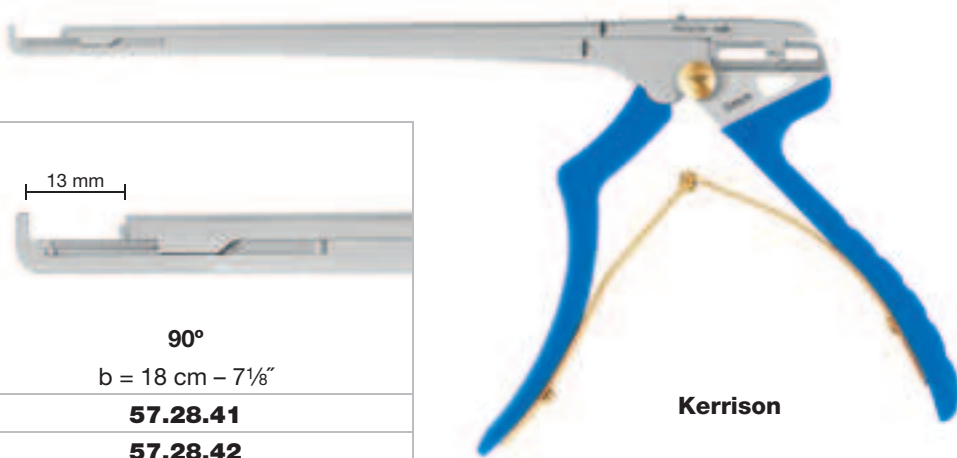
Kerrison
...DieBLAUEN.

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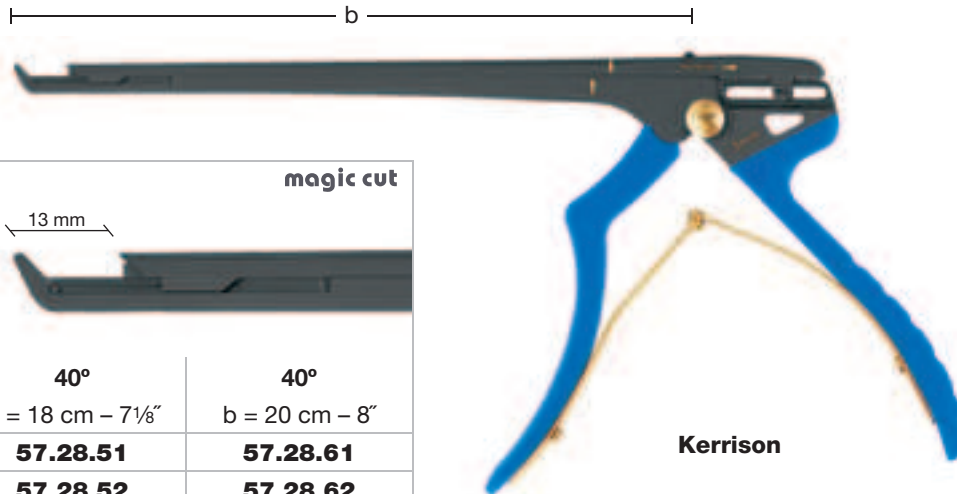
b

Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	a	13 mm	90°	b = 18 cm – 7 1/8"
1 mm				57.28.41
2 mm				57.28.42
3 mm				57.28.43
4 mm				57.28.44
5 mm				57.28.45
6 mm				57.28.46

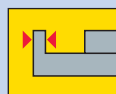
**Kerrison**

b

Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	a	magic cut	
		40°	40°
		b = 18 cm – 7 1/8"	b = 20 cm – 8"
1 mm		57.28.51	57.28.61
2 mm		57.28.52	57.28.62
3 mm		57.28.53	57.28.63
4 mm		57.28.54	57.28.64
5 mm		57.28.55	57.28.65
6 mm		57.28.56	57.28.66

**Kerrison**

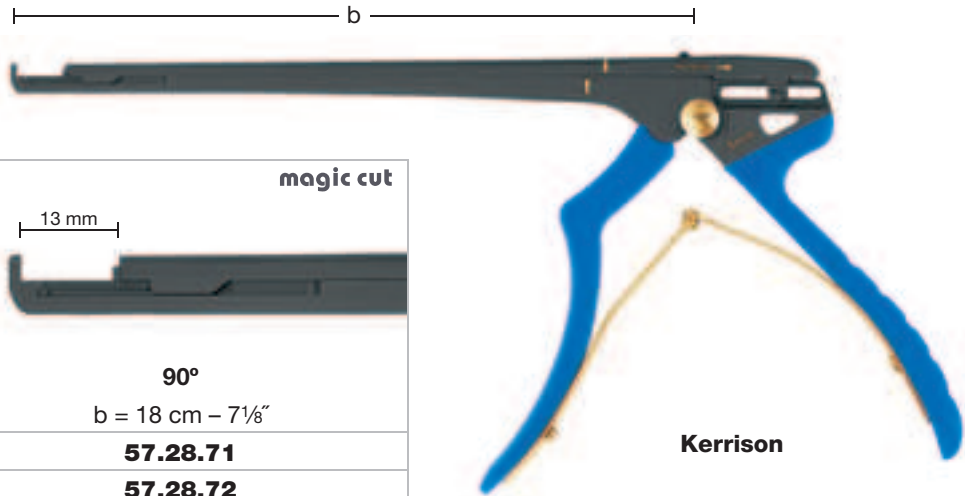
mit Auswerfer
with ejector
con espulsor
avec éjecteur
con espulsore



Schmale Stanzplatte = goldene Feder
Narrow footplate = golden spring
Lámina de punzonar estrecha = muelle dorada
Plaque de poinçonnage étroite = ressort doré
Morso sottile = molla dorata



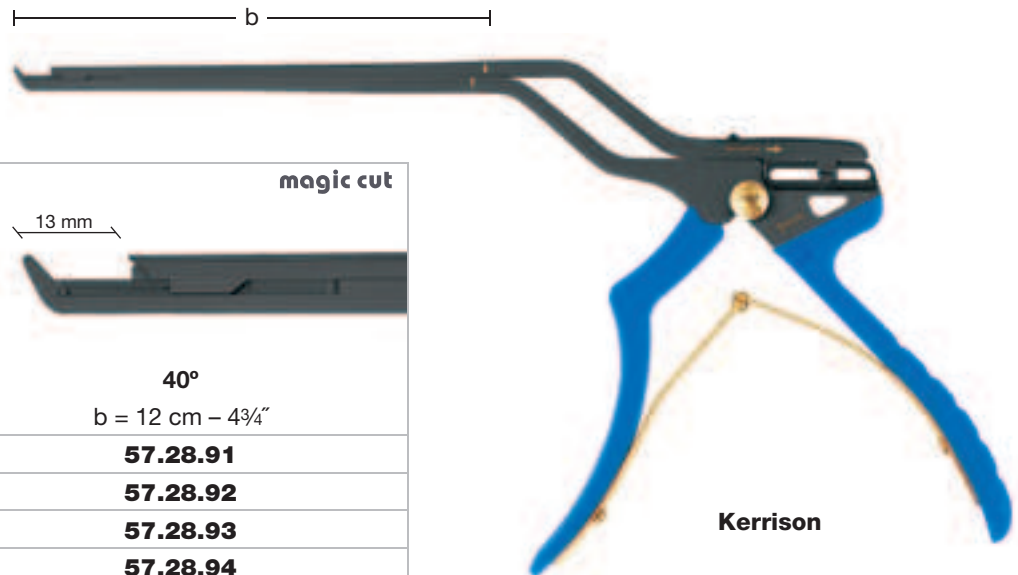
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	a	magic cut	
		13 mm	90° b = 18 cm - 7 1/8"
1 mm			57.28.71
2 mm			57.28.72
3 mm			57.28.73
4 mm			57.28.74
5 mm			57.28.75
6 mm			57.28.76



Lange Standzeit, hohe Oberflächenhärte und blendfreie Oberfläche
Long lasting cutting ability, high surface hardness and non-dazzling surface
Máxima duración del corte, alta dureza de la superficie y superficie antideslumbrante
Longue durée de vie, grande dureté de la surface et surface non-éblouissante
Massima durata del taglio, alta durezza della superficie e superficie antiriflesso



Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	a	magic cut	
		13 mm	40° b = 12 cm - 4 3/4"
1 mm			57.28.91
2 mm			57.28.92
3 mm			57.28.93
4 mm			57.28.94
5 mm			57.28.95
6 mm			57.28.96



mit Auswerfer
with ejector
con espulsor
avec éjecteur
con espulsore



Schmale Stanzplatte = goldene Feder
Narrow footplate = golden spring
Lámina de punzonar estrecha = muelle dorada
Plaque de poinçonnage étroite= ressort doré
Morso sottile = molla dorata

**B04**

Stanzen
Rongeurs
Pinzas saca-bocadas
Pinces emporte-pièce
Laminotomi

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Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	a	b
	90°	90°
	b = 18 cm - 7 1/8"	b = 20 cm - 8"
3 mm	57.06.57	57.06.53
5 mm	57.06.59	57.06.55

b

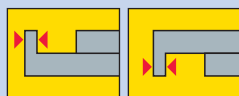
**Kerrison (Spurling)**

Griff (groß)
 Handle (large)
 Mango (grande)
 Manche (grand)
 Manico (grande)



Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	a	b
	90°	90°
	b = 18 cm - 7 1/8"	b = 20 cm - 8"
3 mm	57.06.67	57.06.63
5 mm	57.06.69	57.06.65

b

**Kerrison (Spurling)**

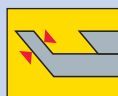
Schmale Stanzplatte = goldene Feder
 Narrow footplate = golden spring
 Lámina de punzonar estrecha = muelle dorada
 Plaque de poinçonnage étroite = ressort doré
 Morso sottile = molla dorata

Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	40°	
	a	b = 18 cm - 7 1/8"
	3 mm	57.06.93
	40°	
a	b = 20 cm - 8"	
5 mm	57.06.75	

Kerrison (Schlesinger)

Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	40°	
	a	b = 18 cm - 7 1/8"
	3 mm	57.06.43
	40°	
a	b = 20 cm - 8"	
5 mm	57.06.45	

Kerrison (Schlesinger)



Schmale Stanzplatte = goldene Feder
 Narrow footplate = golden spring
 Lámina de punzonar estrecha = muelle dorada
 Plaque de poinçonnage étroite = ressort doré
 Morso sottile = molla dorata

**B04**

Stanzen
Rongeurs
Pinzas saca-bocadas
Pinces emporte-pièce
Laminotomi

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b

Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D a I	
	90° b = 18 cm - 7 1/8"	90° b = 20 cm - 8"
1 mm	57.07.01	57.07.41
2 mm	57.07.02	57.07.42
3 mm	57.07.03	57.07.43
4 mm	57.07.04	57.07.44
5 mm	57.07.05	57.07.45
6 mm	57.07.06	57.07.46



10 mm

90°
b = 18 cm - 7 1/8"

90°
b = 20 cm - 8"

b



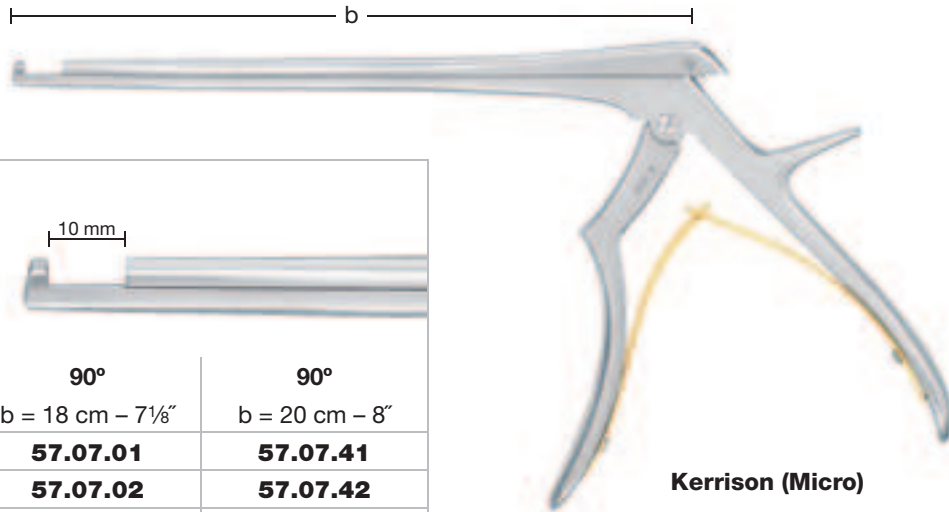
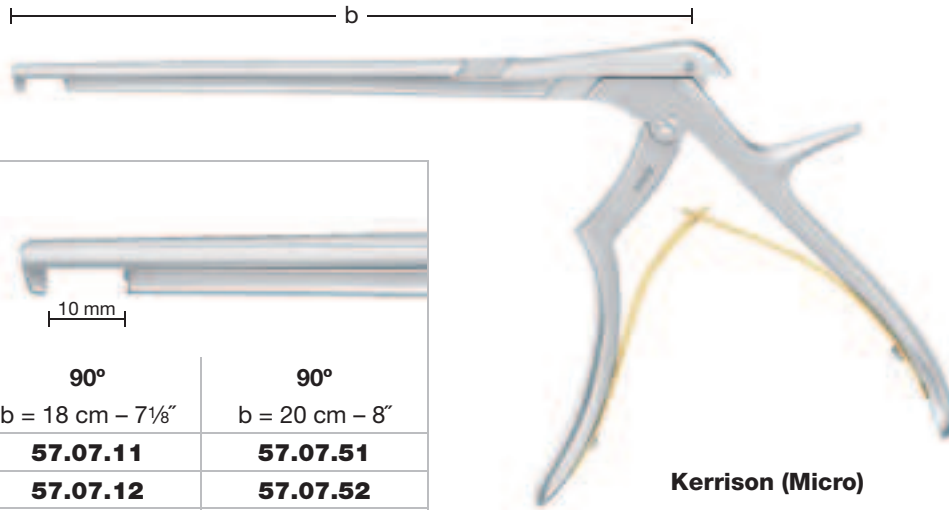
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	T a I	
	90° b = 18 cm - 7 1/8"	90° b = 20 cm - 8"
1 mm	57.07.11	57.07.51
2 mm	57.07.12	57.07.52
3 mm	57.07.13	57.07.53
4 mm	57.07.14	57.07.54
5 mm	57.07.15	57.07.55
6 mm	57.07.16	57.07.56



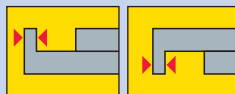
10 mm

90°
b = 18 cm - 7 1/8"

90°
b = 20 cm - 8"

**Kerrison (Micro)****Kerrison (Micro)**

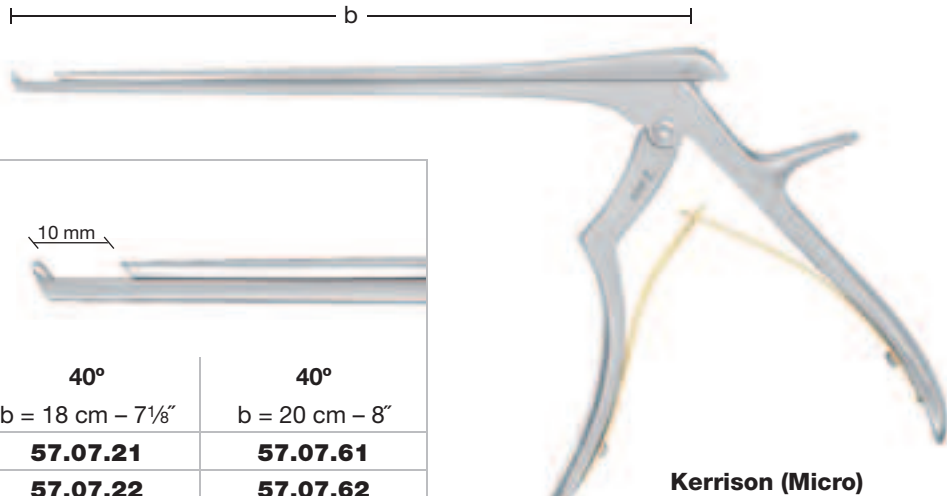
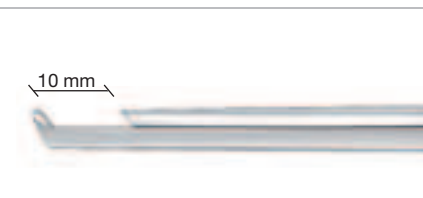
Griff (klein)
 Handle (small)
 Mango (pequeño)
 Manche (petit)
 Manico (piccolo)



Schmale Stanzplatte = goldene Feder
 Narrow footplate = golden spring
 Lámina de punzonar estrecha = muelle dorada
 Plaque de poinçonnage étroite= ressort doré
 Morso sottile = molla dorata

Stanzen
Rongeurs
Pinzas saca-bocadas
Pinces emporte-pièce
Laminotomi

B04

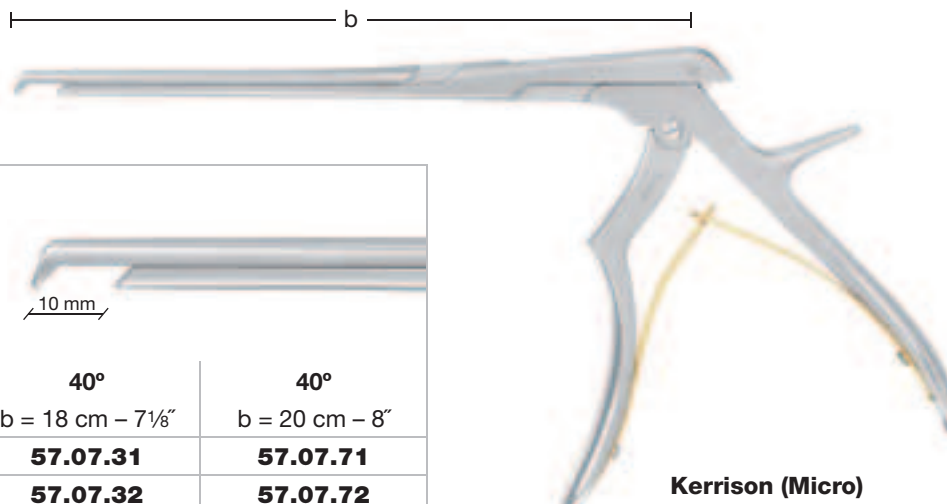




Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	40°	
	a	b = 18 cm - 7 1/8"
1 mm	57.07.21	57.07.61
2 mm	57.07.22	57.07.62
3 mm	57.07.23	57.07.63
4 mm	57.07.24	57.07.64
5 mm	57.07.25	57.07.65
6 mm	57.07.26	57.07.66

Kerrison (Micro)

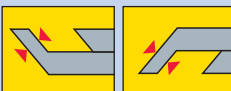


Griff (klein)
 Handle (small)
 Mango (pequeño)
 Manche (petit)
 Manico (piccolo)

Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	40°	
	a	b = 18 cm - 7 1/8"
1 mm	57.07.31	57.07.71
2 mm	57.07.32	57.07.72
3 mm	57.07.33	57.07.73
4 mm	57.07.34	57.07.74
5 mm	57.07.35	57.07.75
6 mm	57.07.36	57.07.76

Kerrison (Micro)



Schmale Stanzplatte = goldene Feder
 Narrow footplate = golden spring
 Lámina de punzonar estrecha = muelle dorada
 Plaque de poinçonnage étroite = ressort doré
 Morso sottile = molla dorata

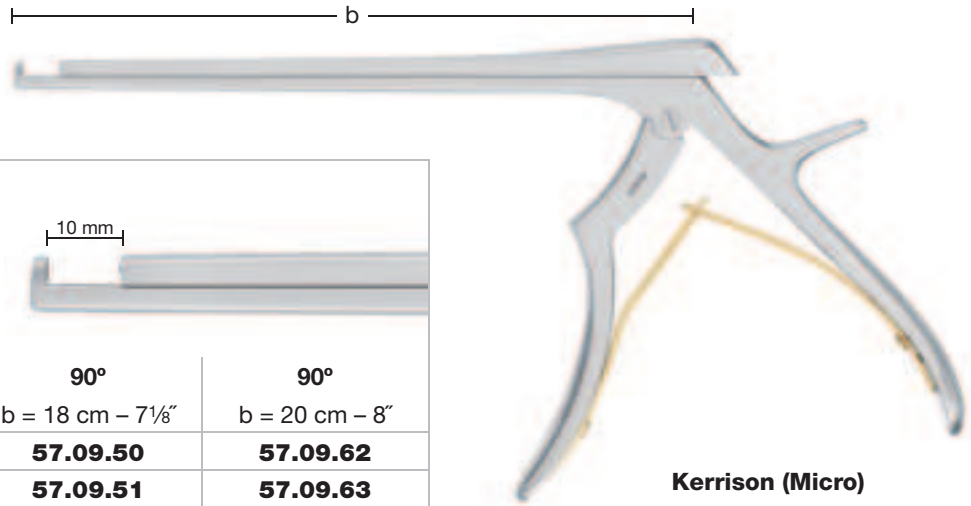
**B04**

Stanzen
Rongeurs
Pinzas saca-bocadas
Pinces emporte-pièce
Laminotomi

21
8
20
19
18
7
17
6
16
15
6
14
13
5
12
11
4
10
9
3
8
7
6
2
5
4
3
1
2
1
cm
inch



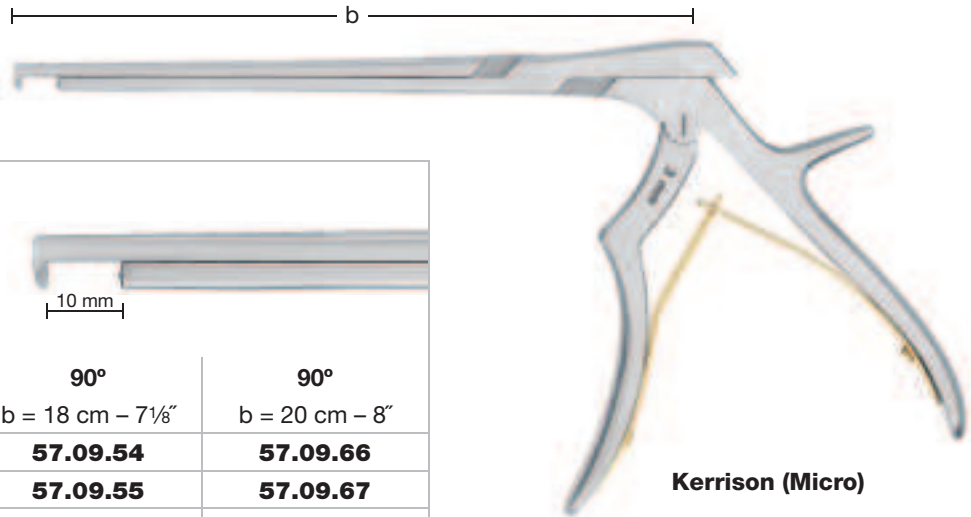
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	90°	90°
a	b = 18 cm – 7 1/8"	b = 20 cm – 8"
2 mm	57.09.50	57.09.62
3 mm	57.09.51	57.09.63
4 mm	57.09.52	57.09.64
5 mm	57.09.53	57.09.65

**Kerrison (Micro)**

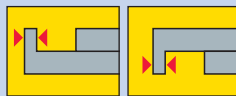
Griff (klein)
 Handle (small)
 Mango (pequeño)
 Manche (petit)
 Manico (piccolo)



Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	90°	90°
a	b = 18 cm – 7 1/8"	b = 20 cm – 8"
2 mm	57.09.54	57.09.66
3 mm	57.09.55	57.09.67
4 mm	57.09.56	57.09.68
5 mm	57.09.57	57.09.69

**Kerrison (Micro)**

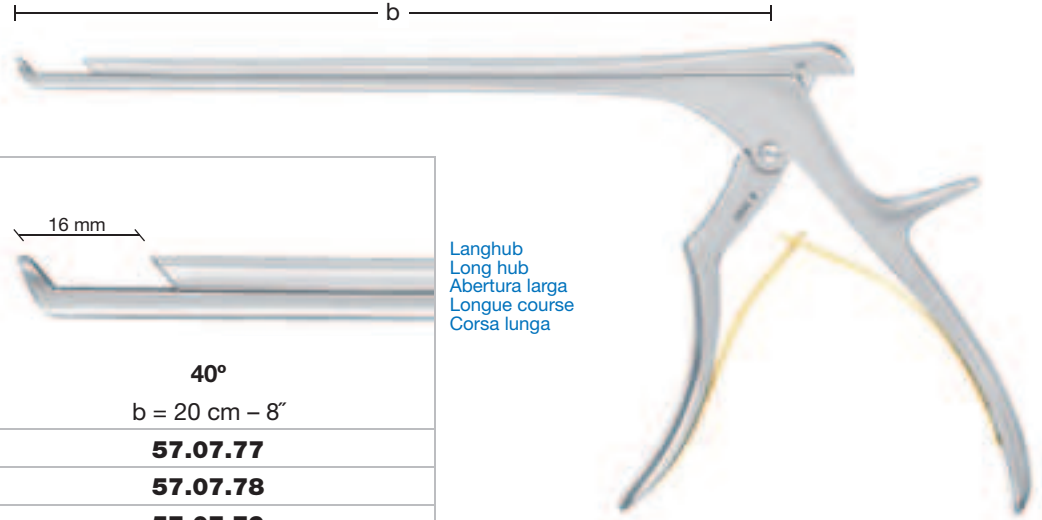
mit Auswerfer
 with ejector
 con expulsor
 avec éjecteur
 con espulsore



Schmale Stanzplatte = goldene Feder
 Narrow footplate = golden spring
 Lámina de punzonar estrecha = muelle dorada
 Plaque de poinçonnage étroite = ressort doré
 Morso sottile = molla dorata

Stanzen
Rongeurs
Pinzas saca-bocadas
Pinces emporte-pièce
Laminotomi

B04



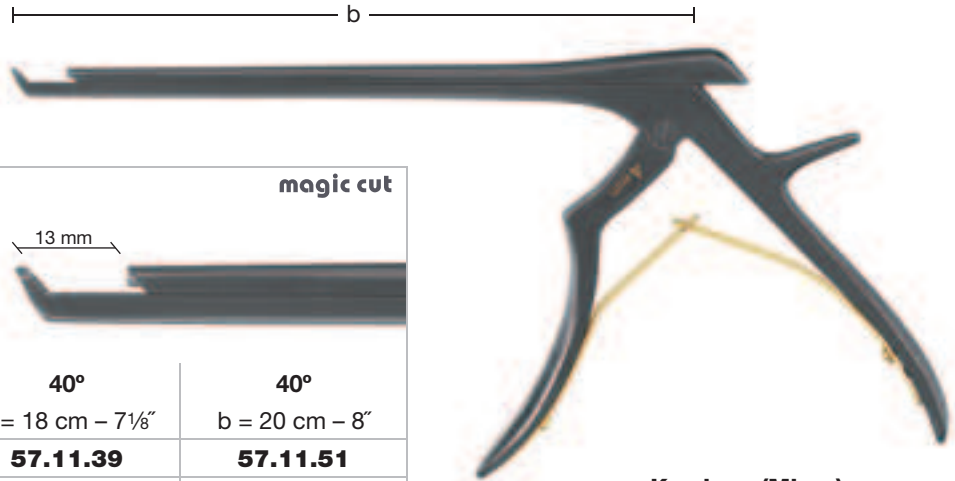
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso D a		
	40° b = 20 cm - 8"	
1 mm	57.07.77	
2 mm	57.07.78	
3 mm	57.07.79	
4 mm	57.07.80	
5 mm	57.07.81	
6 mm	57.07.82	

Langhub
Long hub
Abertura larga
Longue course
Corsa lunga

Kerrison (Micro)



Griff (klein)
Handle (small)
Mango (pequeño)
Manche (petit)
Manico (piccolo)



Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso D a		
	magic cut 40° b = 18 cm - 7 1/8" b = 20 cm - 8"	
2 mm	57.11.39	57.11.51
3 mm	57.11.40	57.11.52
4 mm	57.11.41	57.11.53
5 mm	57.11.42	57.11.54

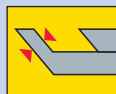
Kerrison (Micro)



Lange Standzeit, hohe Oberflächenhärte und blendfreie Oberfläche
Long lasting cutting ability, high surface hardness and non-dazzling surface
Máxima duración del corte, alta dureza de la superficie y superficie antideslumbrante
Longue durée de vie, grande dureté de la surface et surface non-éblouissante
Massima durata del taglio, alta durezza della superficie e superficie antiriflesso



mit Auswerfer
with ejector
con espulsor
avec éjecteur
con espulsore





Schmale Stanzplatte = goldene Feder
Narrow footplate = golden spring
Lámina de punzonar estrecha = muelle dorada
Plaque de poinçonnage étroite = ressort doré
Morso sottile = molla dorata



B04

Stanzen
Rongeurs
Pinzas saca-bocadas
Pinces emporte-pièce
Laminotomi



Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso 	 10 mm 90° b = 18 cm - 7 1/8"
5 mm	57.10.05

— b —





Kerrison (Ferris-Smith)



Griff (klein)
 Handle (small)
 Mango (pequeño)
 Manche (petit)
 Manico (piccolo)

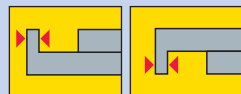


Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso 	 10 mm 90° b = 18 cm - 7 1/8"
5 mm	57.10.15

— b —



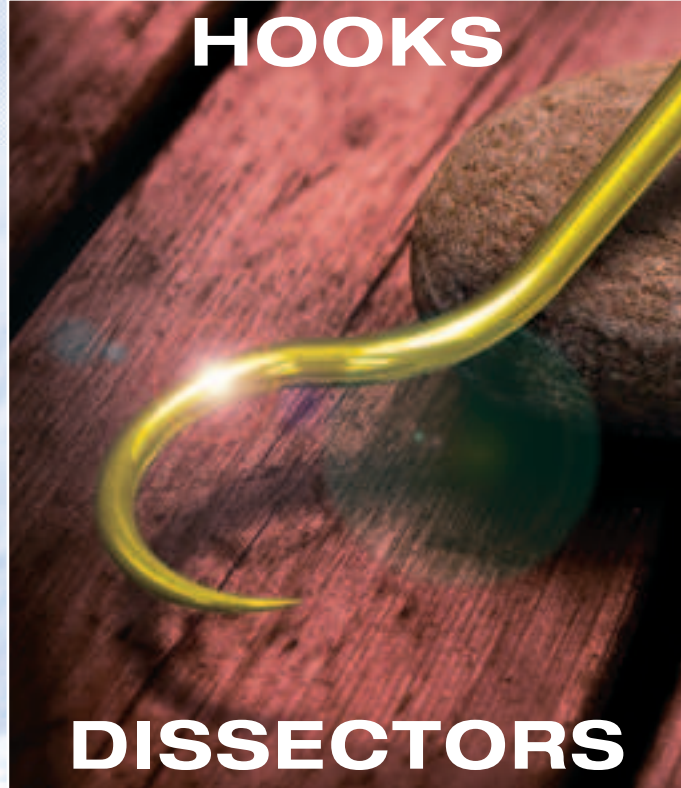
Kerrison (Ferris-Smith)



Schmale Stanzplatte = goldene Feder
 Narrow footplate = golden spring
 Lámina de punzonar estrecha = muelle dorada
 Plaque de poinçonnage étroite = ressort doré
 Morso sottile = molla dorata

Haken und Dissektoren
Hooks and Dissectors
Ganchos y disectores
Crochets et dissecteurs
Uncini e dissectori

B05





B05

Haken
Hooks
Ganchos
Crochets
Uncini

Nervhäkchen
Nerve hooks
Ganchitos para nervios
Crochets à nerfs
Uncini per nervi



7 mm



9 mm



16 cm – 6¼"
20.20.57

16 cm – 6¼"
20.20.59



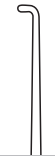
4 mm



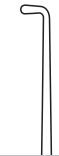
16 cm – 6¼"
20.20.34



2 mm



3 mm



4 mm



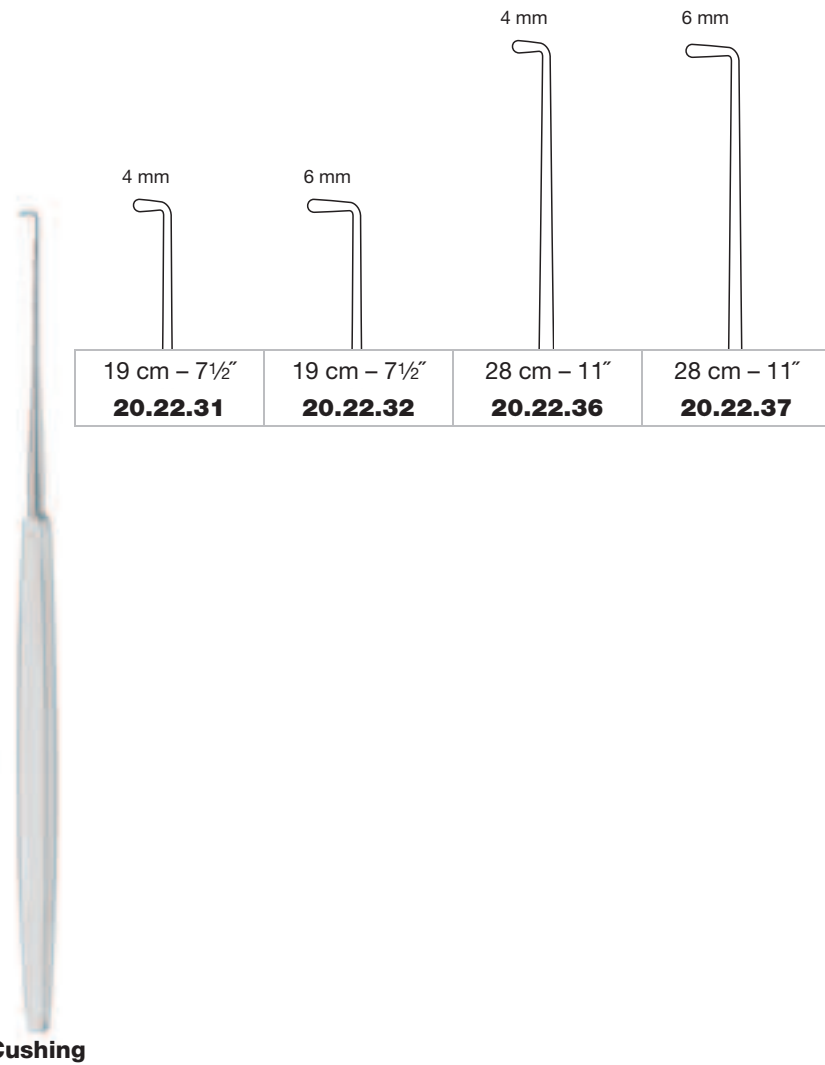
14 cm – 5½"
20.22.01

14 cm – 5½"
20.22.02

14 cm – 5½"
20.22.03

Lucae

Nervhäkchen
Nerve hooks
Ganchitos para nervios
Crochets à nerfs
Uncini per nervi





B05

- Haken**
- Hooks**
- Ganchos**
- Crochets**
- Uncini**



2 mm

19 cm – 7½"
57.49.19

5 mm

19 cm – 7½"
57.49.20

8 mm

19 cm – 7½"
57.49.21



a

3 mm

a = 110 mm
 24 cm – 9½"
57.50.24

4 mm

a = 110 mm
 24 cm – 9½"
57.50.25

5 mm

a = 110 mm
 24 cm – 9½"
57.50.26

Nervhäkchen
 Nerve hooks
 Ganchitos para nervios
 Crochets à nerfs
 Uncini per nervi

Nerv- und Gefäßhäkchen
Nerve and vessel hooks
Ganchitos para nervios y vasos
Crochets à nerfs et vaisseaux
Uncini per nervi e vasi



mit scharfer Schneide
with sharp cutting edge
con corte afilado
avec tranchant aigu
con tagliente affilato



Eif

2,0 mm



24 cm – 9½”
57.49.10



Krayenbühl

3,0 mm



18,5 cm – 7¼”
58.30.31

3,5 mm



18,5 cm – 7¼”
58.30.32

2,0 mm



18,5 cm – 7¼”
58.30.35

2,5 mm



18,5 cm – 7¼”
58.30.36



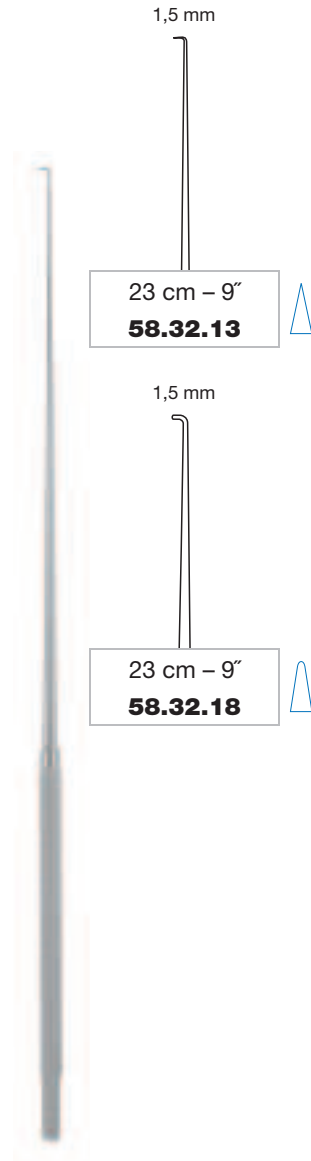
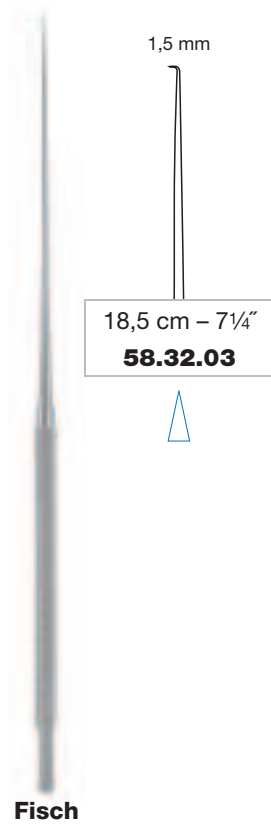
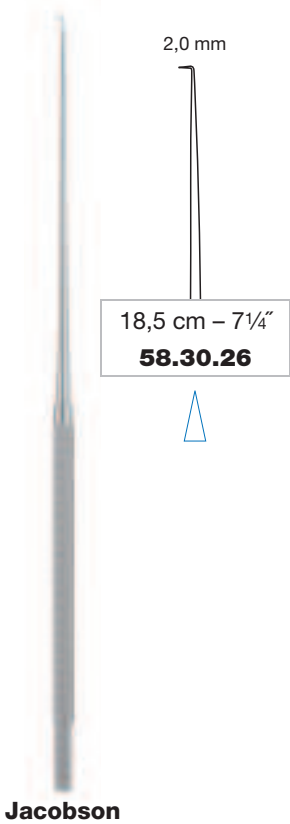
Vergrößerung
Magnification
Engrandecimiento
Agrandissement
Ingrandimento



B05

Haken
Hooks
Ganchos
Crochets
Uncini

Häkchen
Hooks
Ganchos
Crochets
Uncini

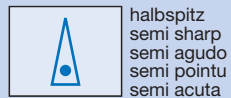
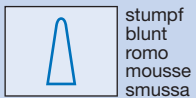
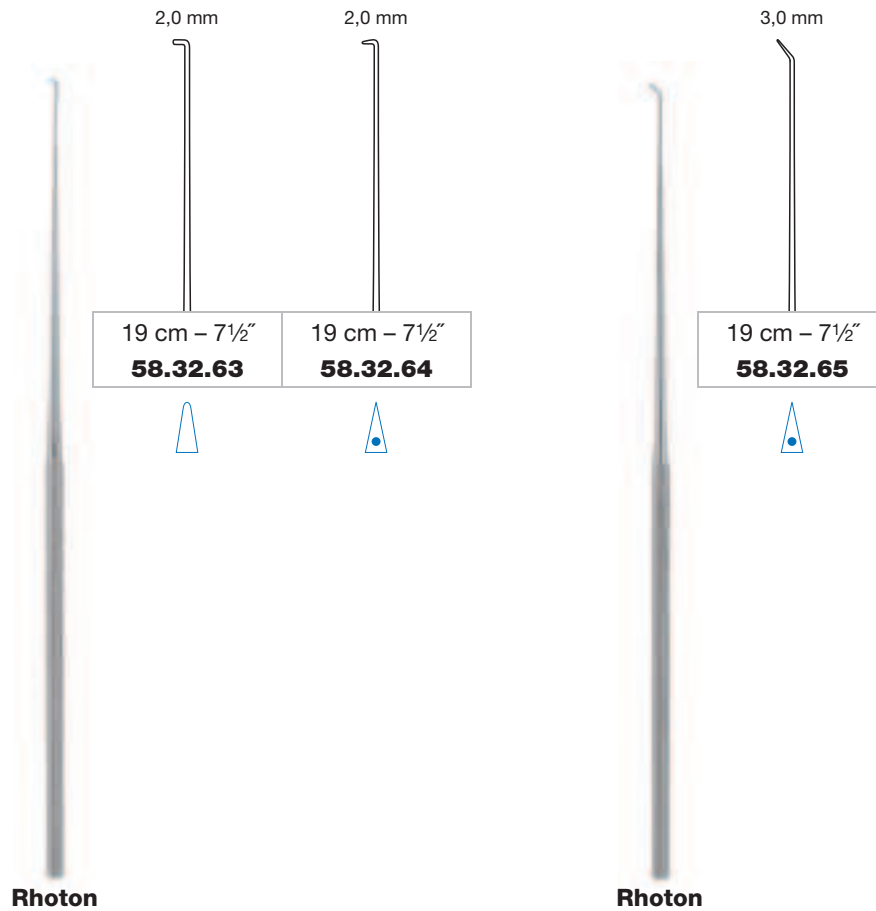


spitz
sharp
agudo
pointu
acuta



stumpf
blunt
romo
mousse
smussa

Häkchen
Hooks
Ganchos
Crochets
Uncini

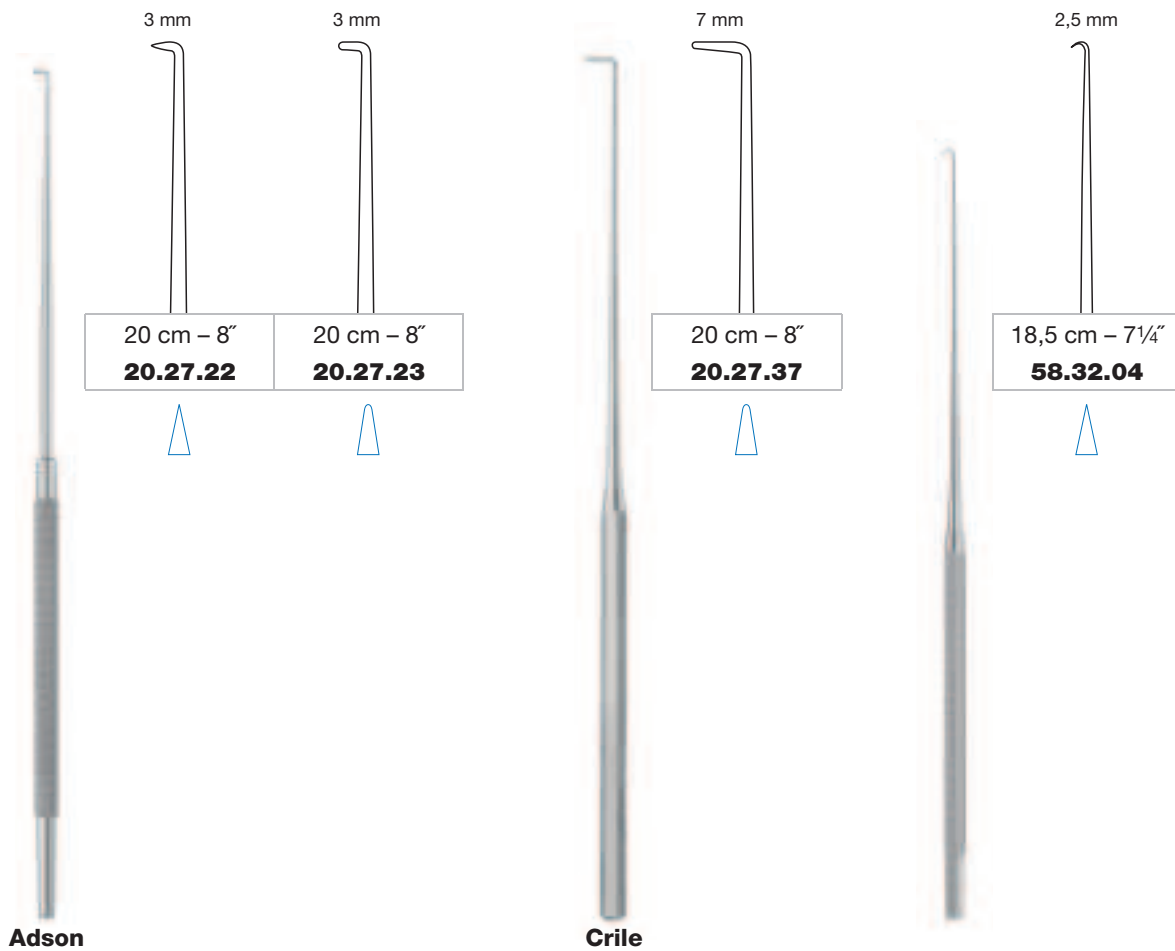




B05

Haken
Hooks
Ganchos
Crochets
Uncini

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



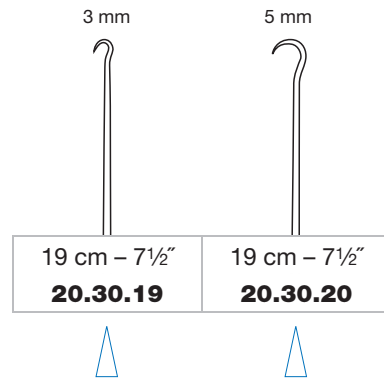
spitz
sharp
agudo
pointu
acuta



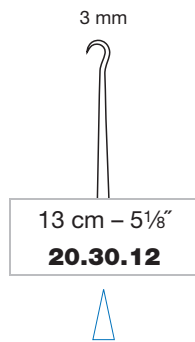
stumpf
blunt
romo
mousse
smussa

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

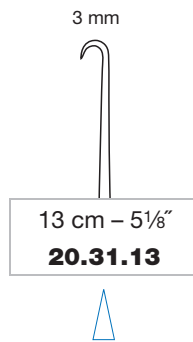
Gillies



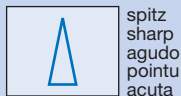
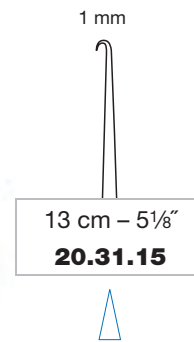
Frazier



Straight



Lahey-Clinic

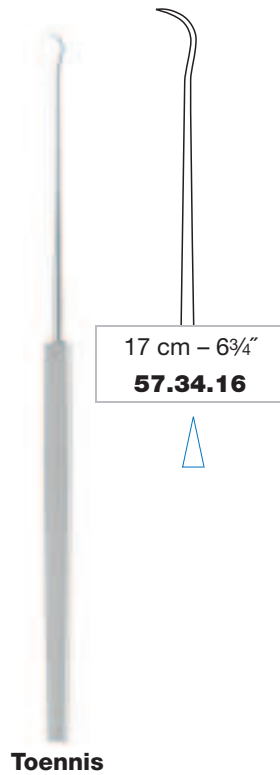




B05

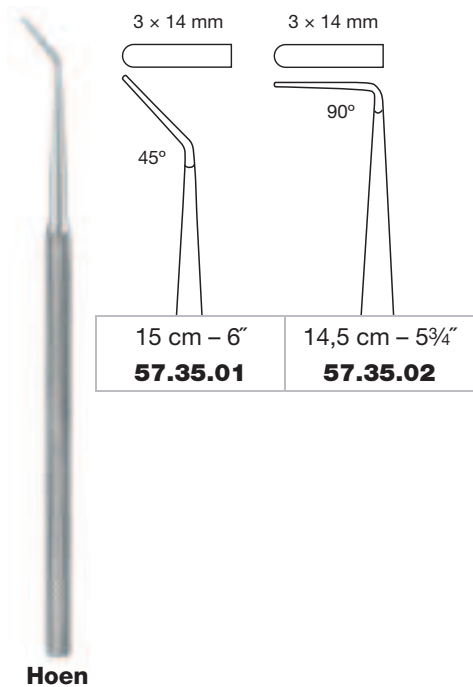
Haken
Hooks
Ganchos
Crochets
Uncini

Dura- und Nerv-Separatoren
Dura and nerve separators
Separadores para duramadre y nervios
Séparateurs pour dure-mère et nerfs
Separatori per dura-madre e nervi



17 cm – 6¾"
57.34.16

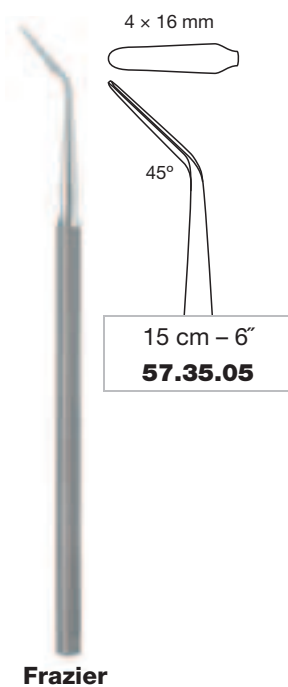
Toennis



15 cm – 6"
57.35.01

14,5 cm – 5¾"
57.35.02

Hoer



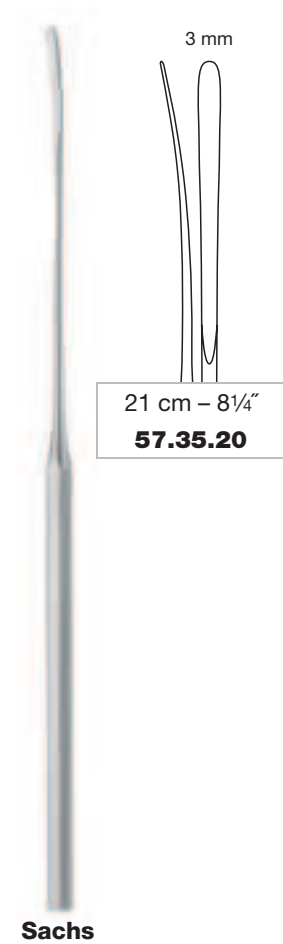
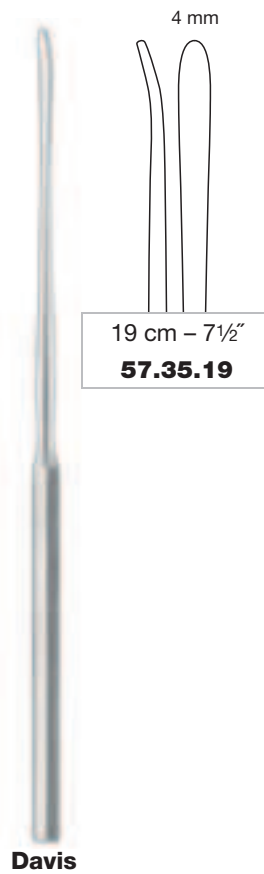
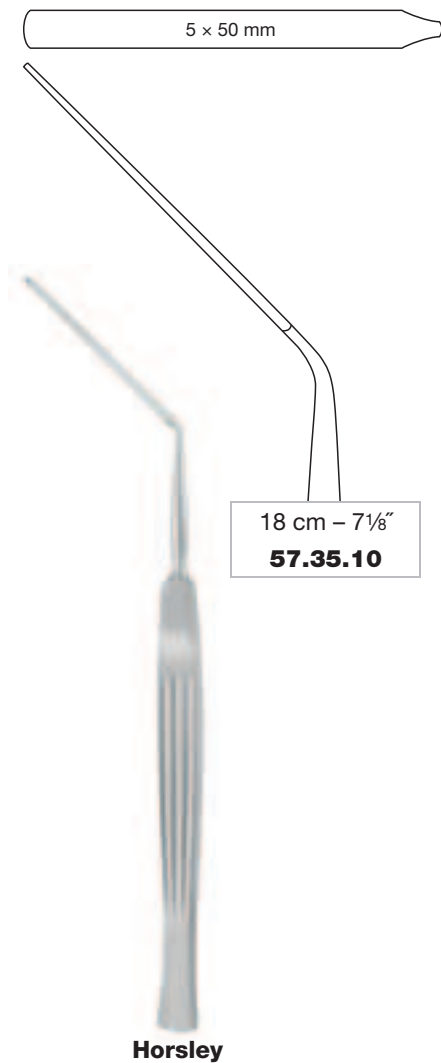
15 cm – 6"
57.35.05

Frazier



spitz
sharp
agudo
pointu
acuta

Dura- und Nerv-Separatoren
Dura and nerve separators
Separadores para duramadre y nervios
Séparateurs pour dure-mère et nerfs
Separatori per dura-madre e nervi



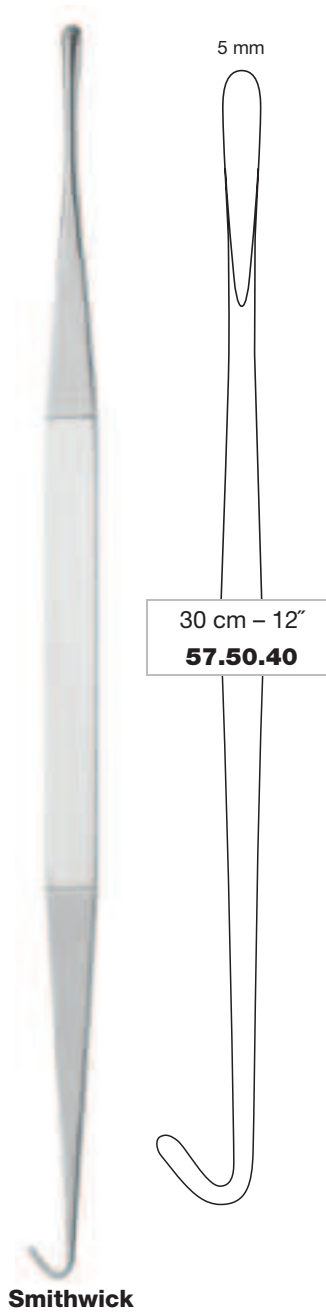
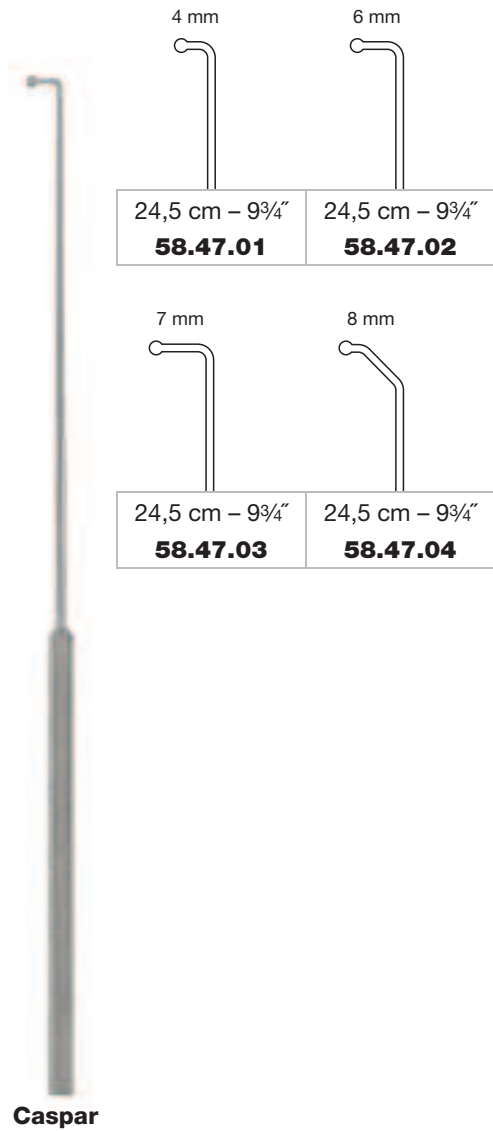


B05

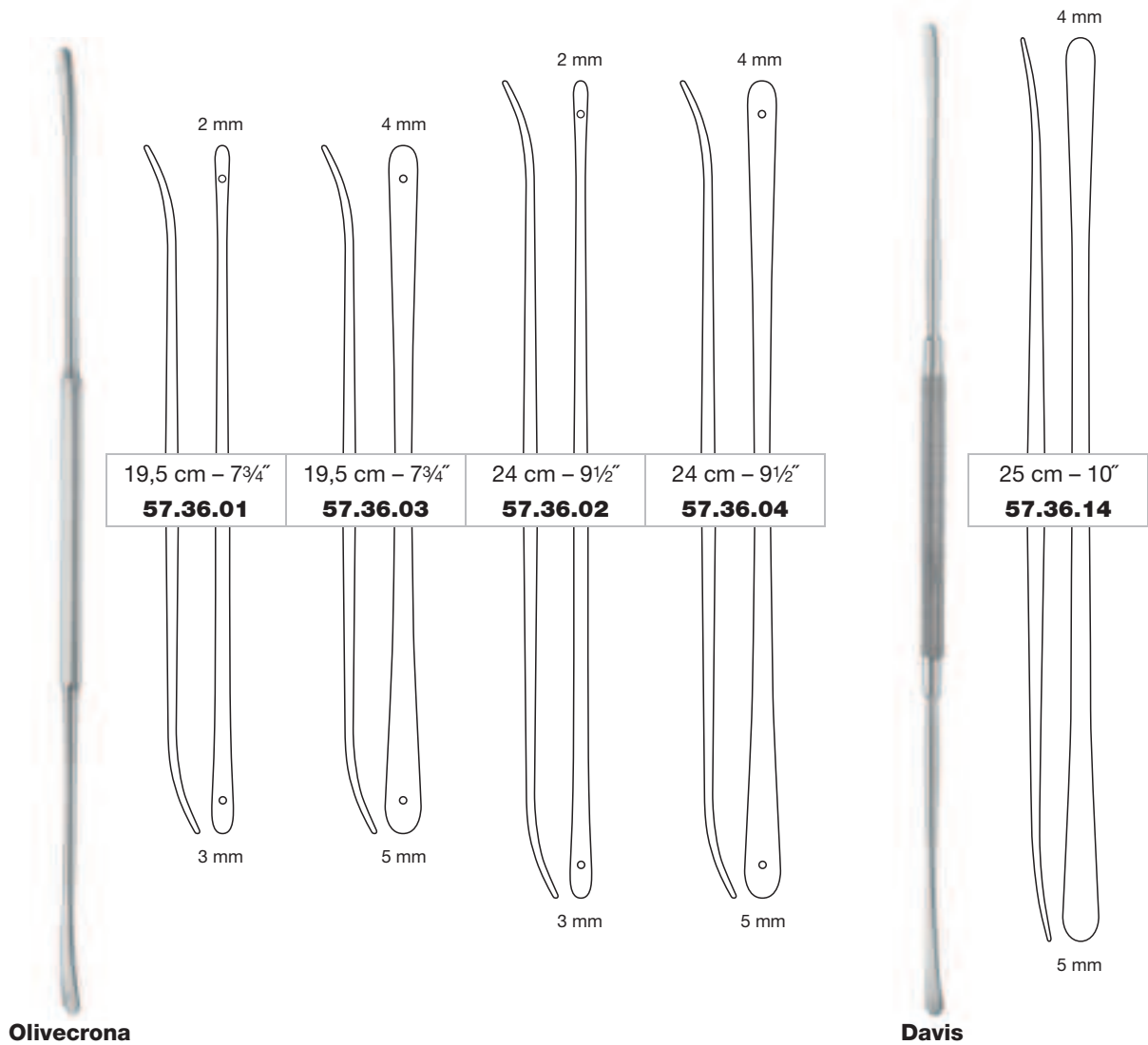
Haken
Hooks
Ganchos
Crochets
Uncini

Explorationshäkchen
Exploration hooks
Ganchitos para exploración
Crochets pour exploration
Uncini per esplorazione

Sympathektomie-Haken
Sympathectomy hook
Gancho simpatectomia
Crochet sympathectome
Uncino per simpatectomia



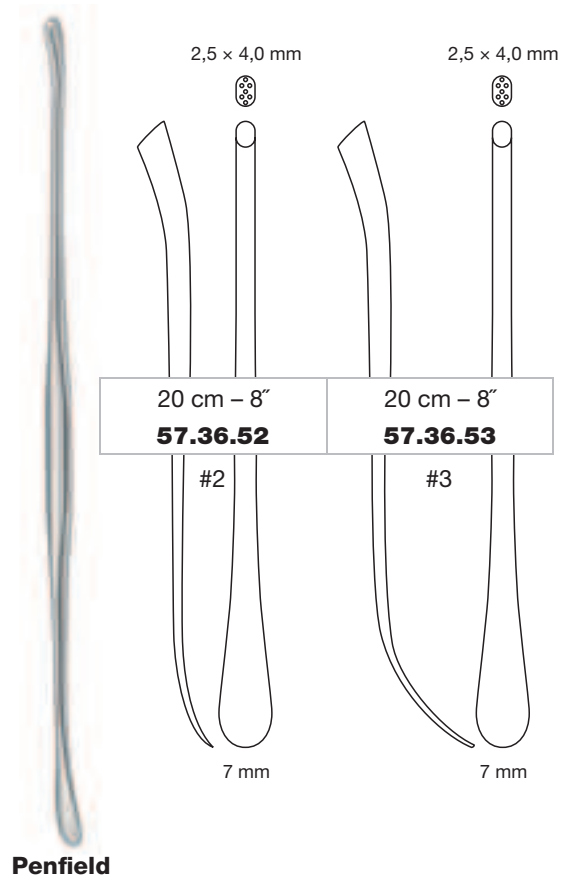
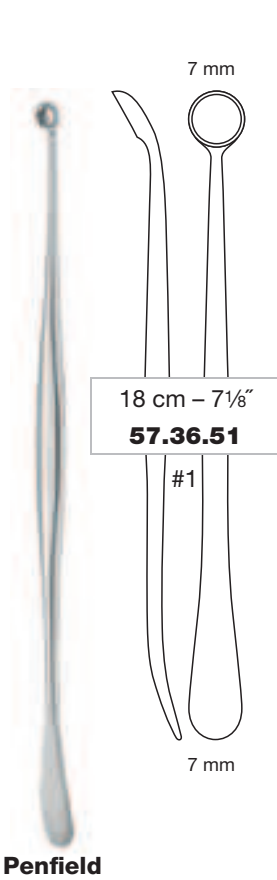
Dura-Dissektoren
Dura dissectors
Dissectores para duramadre
Dissecteurs pour dure-mère
Dissettori per dura-madre





B05

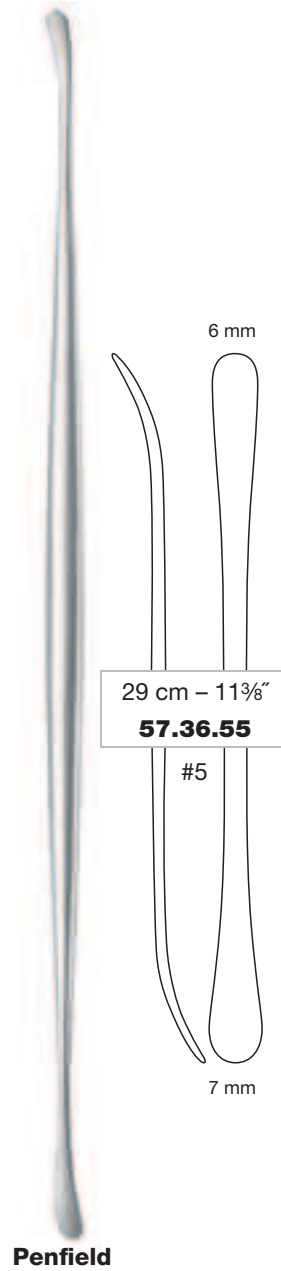
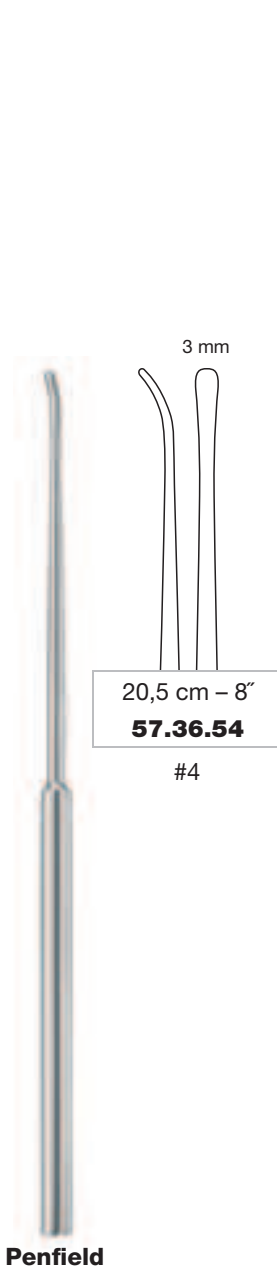
Dissektoren
Dissectors
Disectores
Dissecteurs
Dissettori





Dissektoren
Dissectors
Disectores
Dissecteurs
Dissettori

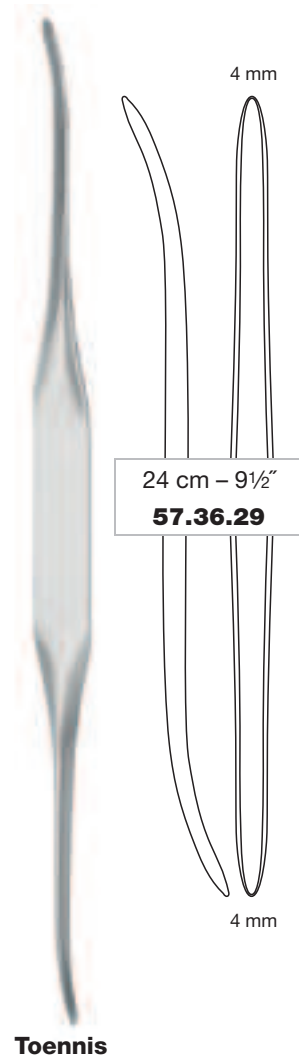
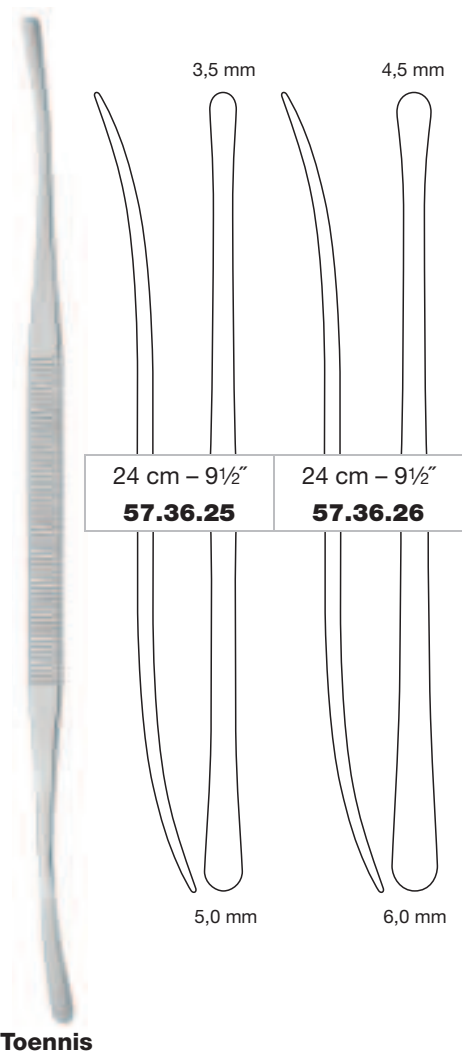
B05





B05

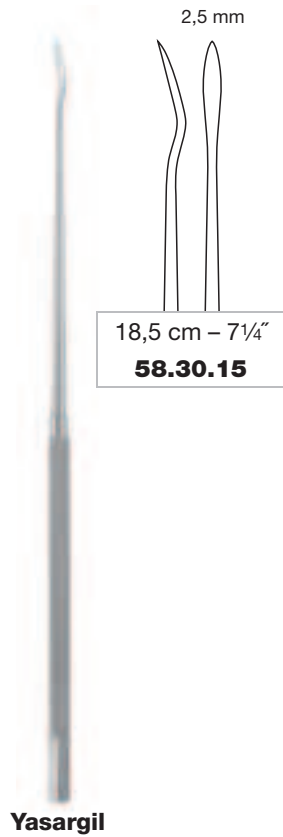
Dissektoren
Dissectors
Disectores
Dissecteurs
Dissettori



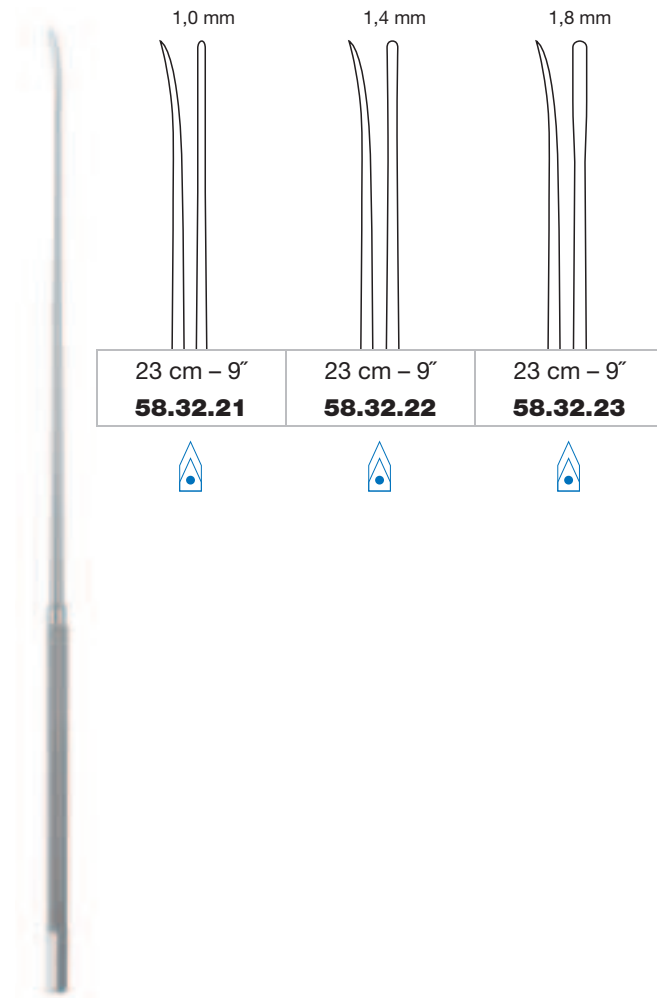


Dissektoren
Dissectors
Disectores
Dissecteurs
Dissettori

B05



Yasargil



halbscharf
 semi sharp
 semi cortante
 semi tranchant
 semi acuta



**Dissektoren
Dissectors
Disectores
Dissecteurs
Dissettori**

B05



1,0 mm



19 cm - 7½"
58.32.57

1,5 mm



19 cm - 7½"
58.32.58

2,0 mm



19 cm - 7½"
58.32.59

Rhoton

1,2 mm



19 cm - 7½"
58.32.60

Rhoton

2,8 mm



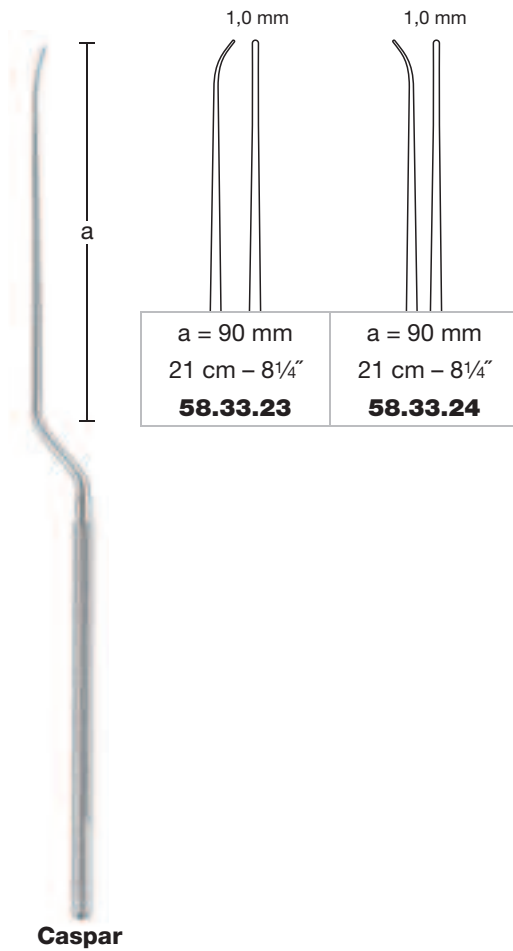
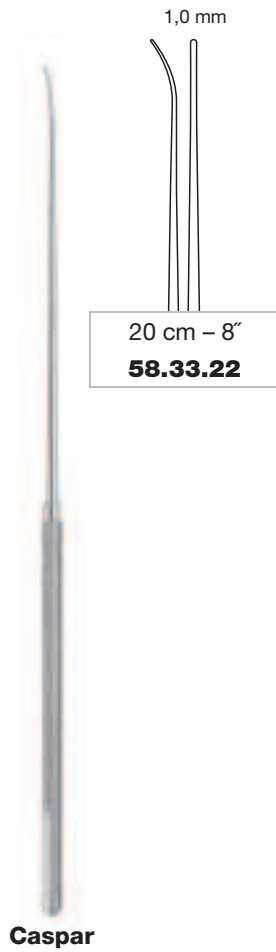
19 cm - 7½"
58.32.61

Rhoton



Dissektoren
Dissectors
Disectores
Dissecteurs
Dissettori

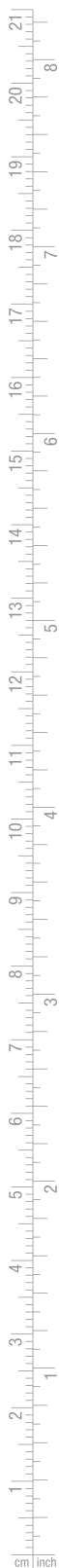
B05





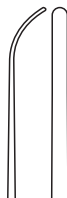
**Dissektoren
Dissectors
Disectores
Dissecteurs
Dissettori**

B05



Caspar

2,0 mm



a = 110 mm
23 cm - 9"
58.33.25

4,5 mm



a = 110 mm
23 cm - 9"
58.33.26

4,5 mm



23 cm - 9"
58.33.27



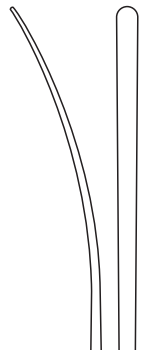
Caspar

3,0 mm



18,5 cm - 7¼"
58.36.02

3,0 mm



21,5 cm - 8½"
58.36.03

Diamantmesser und Mikro-Instrumente
Diamond Knives and Micro Instruments
Cuchillos de diamante y micro instrumentos
Couteaux de diamant et micro instruments
Bisturi diamantati e micro strumenti

B06

Klinge aus Naturdiamant ◀
 Extreme und lang anhaltende Schärfe ◀
 Gute Sichtkontrolle während der Inzision ◀
 Präzise und kraftfreie Schnittführung ◀
 Kein Einreißen des Gewebes während des Schneidens ◀

Blade made of natural diamond ◀
 Extreme and long lasting sharpness ◀
 Excellent visual control during incision ◀
 Precise and force-free incision ◀
 No tissue tearing during the incision ◀

Hoja de diamante natural ◀
 Filo extraordinario y constante ◀
 Buen control de la visión durante la incisión ◀
 Corte preciso y libre de fuerza ◀
 El tejido no rasga durante el corte ◀

Lame de diamant naturel ◀
 Aiguisage soit exceptionnel et de longue durée ◀
 Bon contrôle visuel pendant l'incision ◀
 Coupe précise et sans effort ◀
 Pas de déchirure du tissu pendant la coupe ◀

Lama di diamante naturale ◀
 Affilatura straordinaria e di lunga durata ◀
 Buon controllo visivo durante l'incisione ◀
 Guida da taglio precisa e senza forza ◀
 Nessun strappo del tessuto durante il taglio ◀



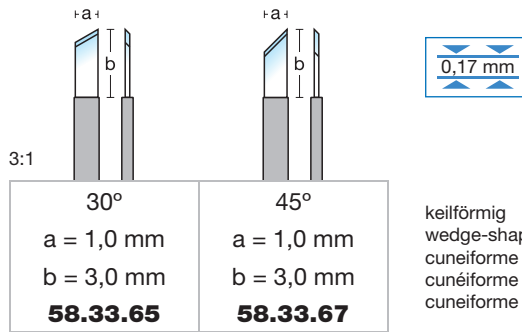
Bajonettverschluss zum Ein- und Ausfahren des Diamantmessers
 Bayonet lock for flexion and extension of the diamond knife
 Cierre en forma bayoneta para inserir y extraer el cuchillo de diamante
 Verrouillage en forme baïonnette pour rentrer et sortir le couteau diamant
 Chiusura a forma di baionetta per ritirare e far uscire il bisturi di diamante

**B06**

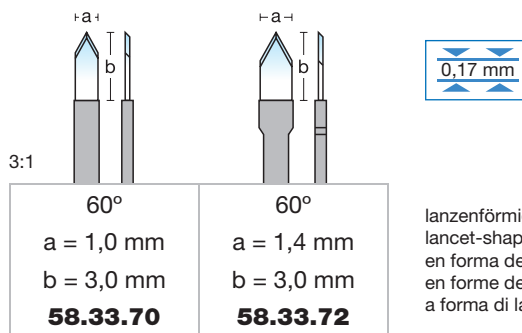
Diamantmesser mit geradem Klingenhalter
Diamond Knives with Straight Blade Holder
Cuchillos de diamante con mango recto para hojas
Couteaux de diamant avec porte-lame droit
Bisturi diamantati con portalama retto



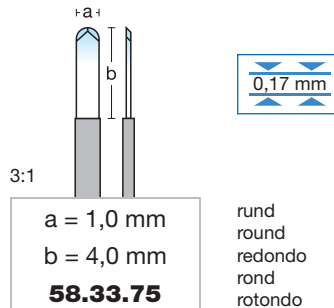
mit Spülbohrungen
 with irrigation holes
 con orificios de irrigación
 avec trous de lavage
 con fori di lavaggio



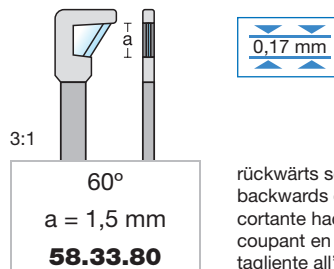
keilförmig
 wedge-shaped
 cuneiforme
 cunéiforme
 cuneiforme



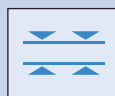
lanzenförmig
 lancet-shaped
 en forma de lanceta
 en forme de lance
 a forma di lancetta



rund
 round
 redondo
 rond
 rotondo



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

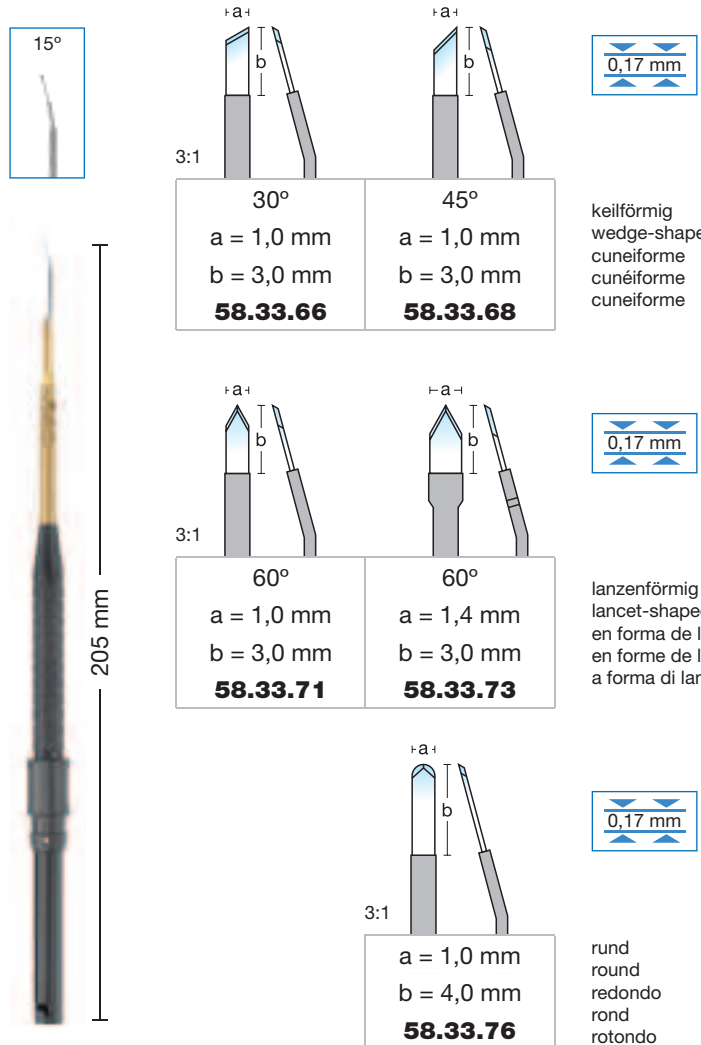


Messerdicke
 Thickness of knives
 Grosor de los cuchillos
 Epaisseur de la lame
 Spessore dei bisturi



Diamantmesser mit gewinkeltem Klingenhalter
Diamond Knives with Angled Blade Holder
Cuchillos de diamante con mango angulado para hojas
Couteaux de diamant avec porte-lame coudé
Bisturi diamantati con portalama angolato

B06



mit Spülbohrungen
with irrigation holes
con orificios de irrigación
avec trous de lavage
con fori di lavaggio



Kassette für 12 Instrumente
Tray for 12 instruments
Caja 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 fixation pour une fixation sûre
con dispositivo di fissaggio per un fissaggio sicuro

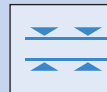


49.90.04

203 × 114 × 30 mm



Kunststoff (autoklavierbar bis 134 °C bei 3 bar)
Plastic (autoclavable up to 134 °C at 3 bar)
Plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
Plastique (autoclavable à 134 °C sous pression de 3 bars)
Plastica (autoclavabile fino a 134 °C sotto pressione di 3 bar)



Messerdicke
Thickness of knives
Grosor de los cuchillos
Epaisseur de la lame
Spessore dei bisturi

the art of surgery

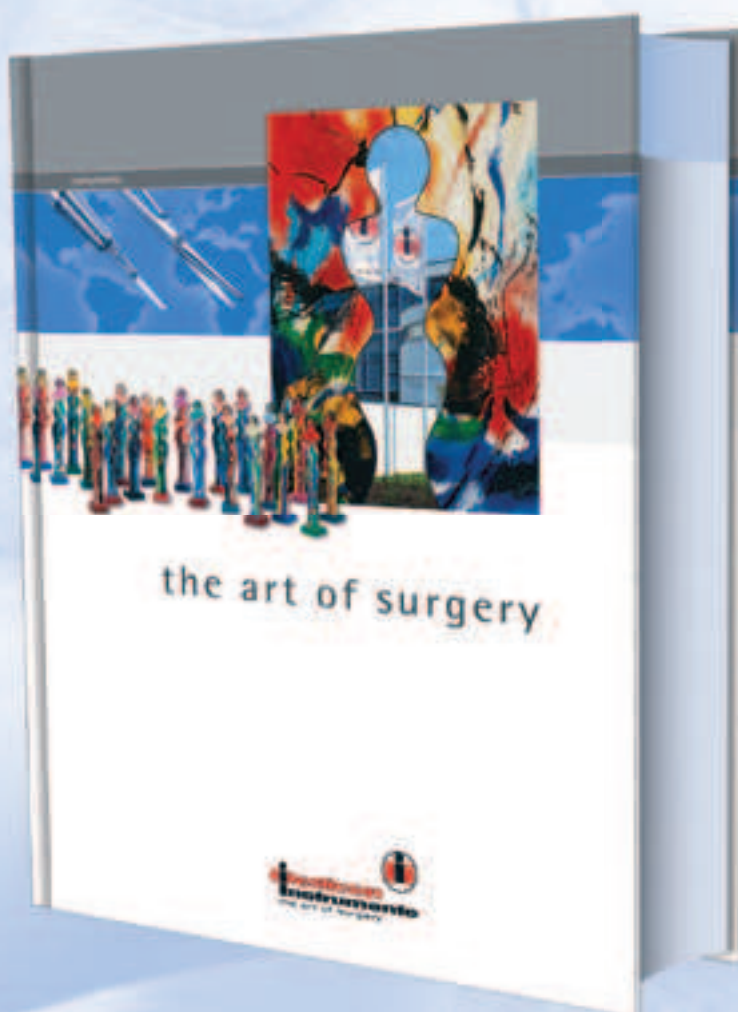
Weitere MEDICON-Produkte finden Sie in unserem Hauptkatalog.

You will find further MEDICON products in our main catalogue.

Más productos de MEDICON se encuentra en nuestro catálogo general.

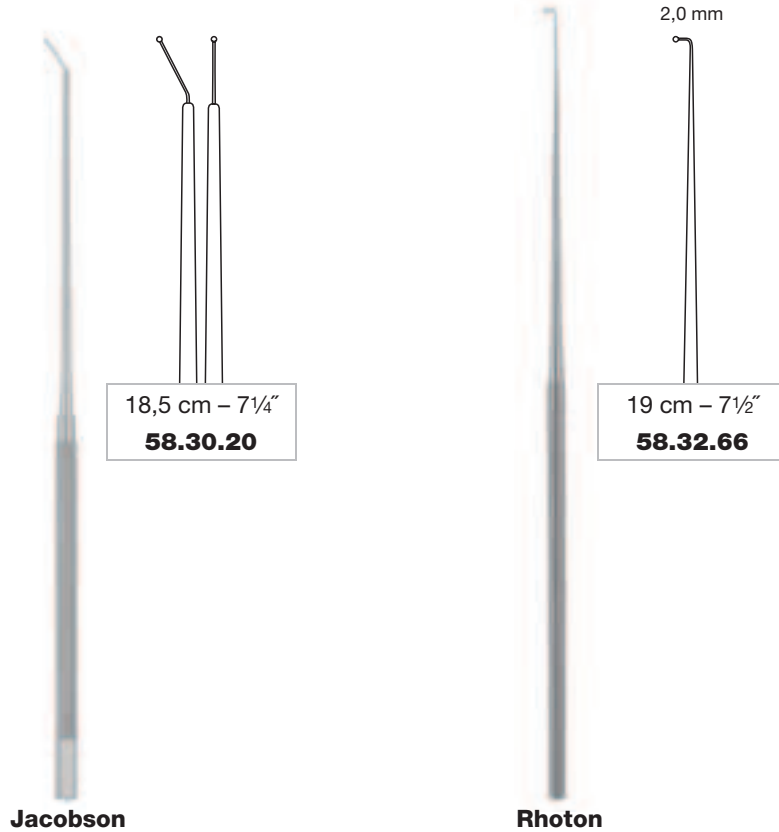
Vous trouverez d'autres produits MEDICON dans notre catalogue général.

Altri prodotti MEDICON si trovano nel nostro catalogo generale.

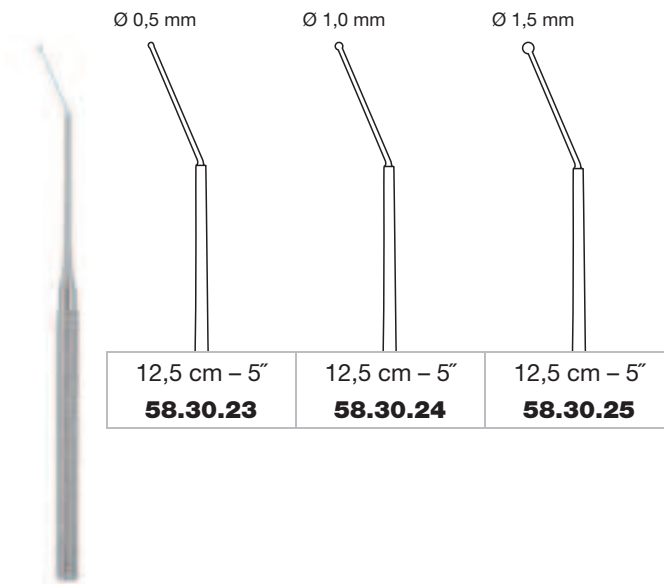


450.00.03

Knopfsonden
 Button probes
 Sondas abotonadas
 Sondes boutonnées
 Sonde bottonute



Gefäßdilatoren
 Vessel dilators
 Dilatadores vasculares
 Dilatateurs vasculaires
 Dilatatori vascolari



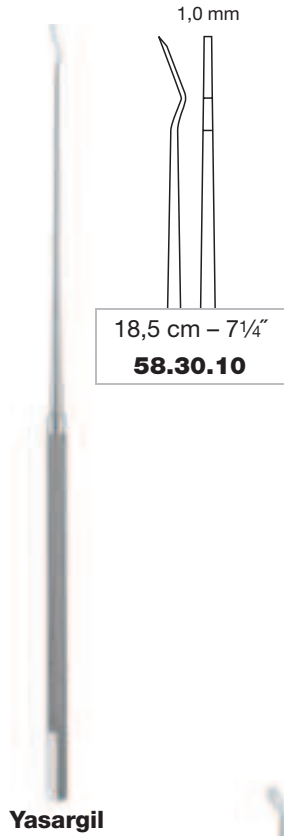


B06

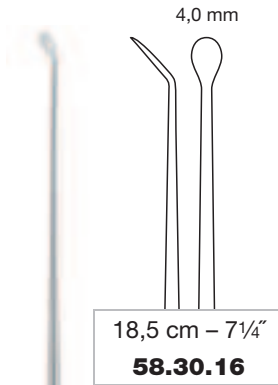
Mikro-Instrumente
Micro Instruments
Micro instrumentos
Micro instruments
Micro strumenti



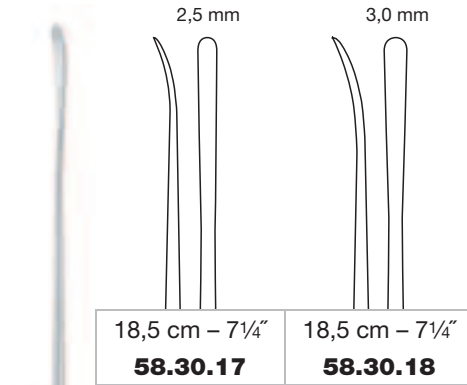
Raspatorien
 Raspatories
 Legras
 Rugines
 Periostotomi



Yasargil



Yasargil



Yasargil



Raspatorien
 Raspatories
 Legras
 Rugines
 Periostotomi



Rhoton

Ø 1,0 mm



Ø 2,0 mm



Ø 3,0 mm



19 cm – 7½"

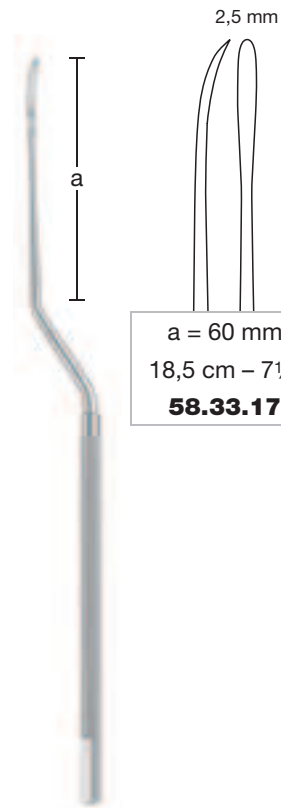
58.32.54

19 cm – 7½"

58.32.55

19 cm – 7½"

58.32.56



Yasargil

2,5 mm

a

a = 60 mm

18,5 cm – 7¼"

58.33.17



B06

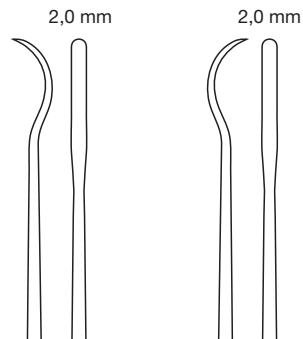
Mikro-Instrumente
Micro Instruments
Micro instrumentos
Micro instruments
Micro strumenti

Raspatorien
 Raspatories
 Legras
 Rugines
 Periostotomi

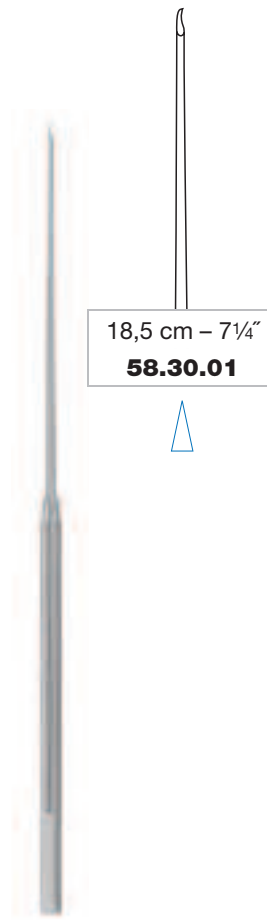
Gefäßmesser
 Vessel knife
 Cuchillo para vaso
 Couteau pour vaisseaux
 Coltello per vasi



Yasargil



a = 60 mm 18,5 cm – 7¼"	a = 60 mm 18,5 cm – 7¼"
58.33.18	58.33.19



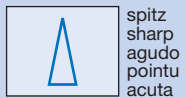
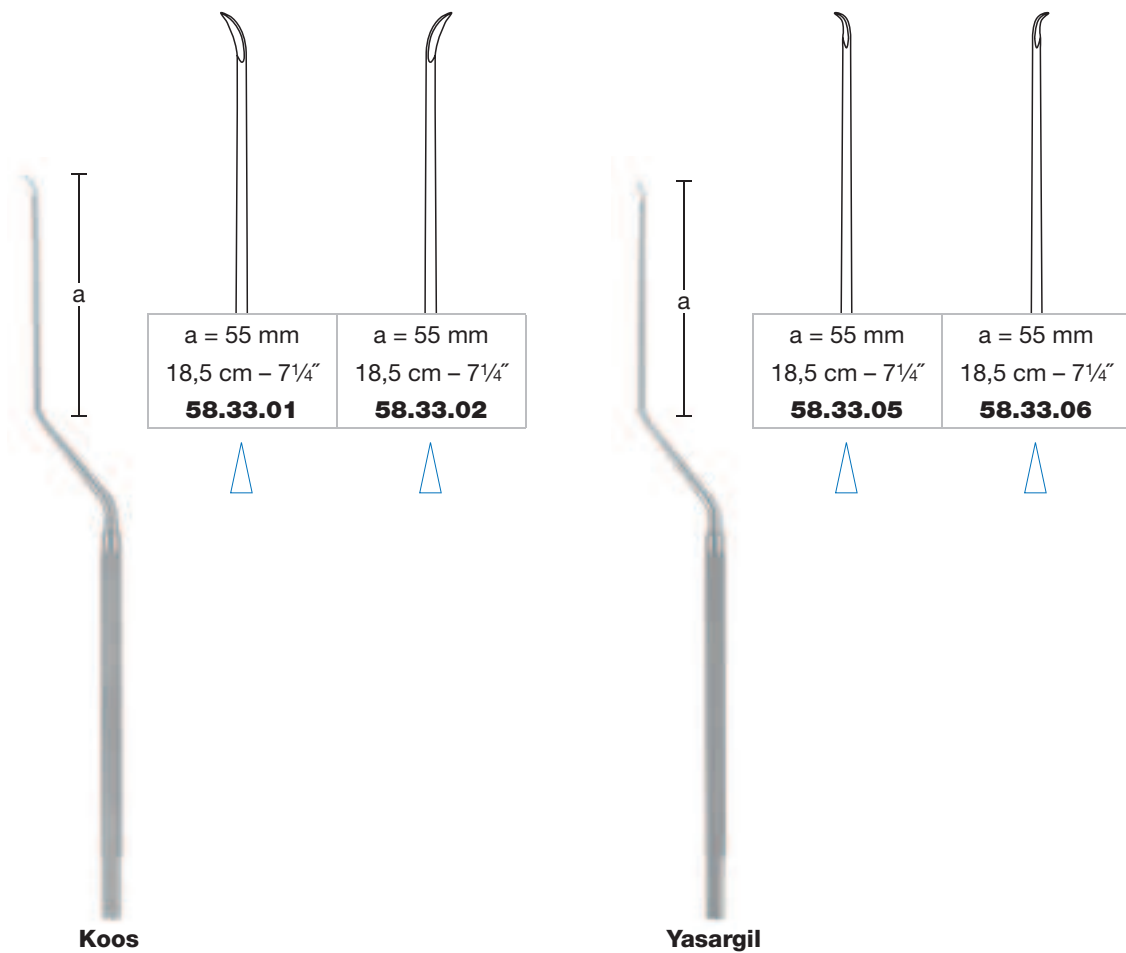
Jacobson

18,5 cm – 7¼"
58.30.01



spitz
 sharp
 agudo
 pointu
 acuta

Gefäßmesser
 Vessel knives
 Cuchillos para vasos
 Couteaux pour vaisseaux
 Coltelli per vasi

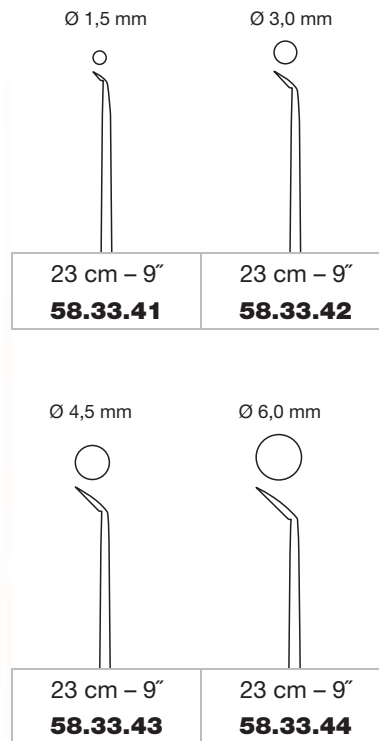
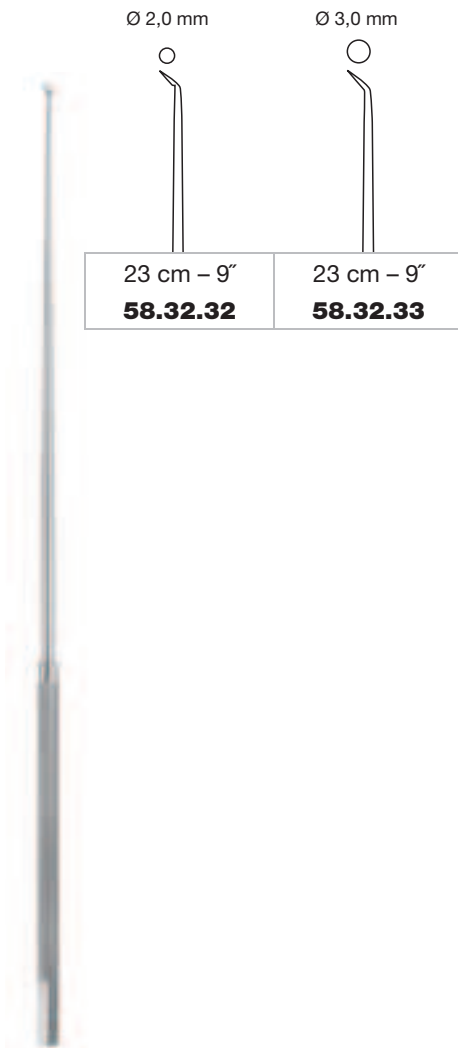




B06

Mikro-Instrumente
Micro Instruments
Micro instrumentos
Micro instruments
Micro strumenti

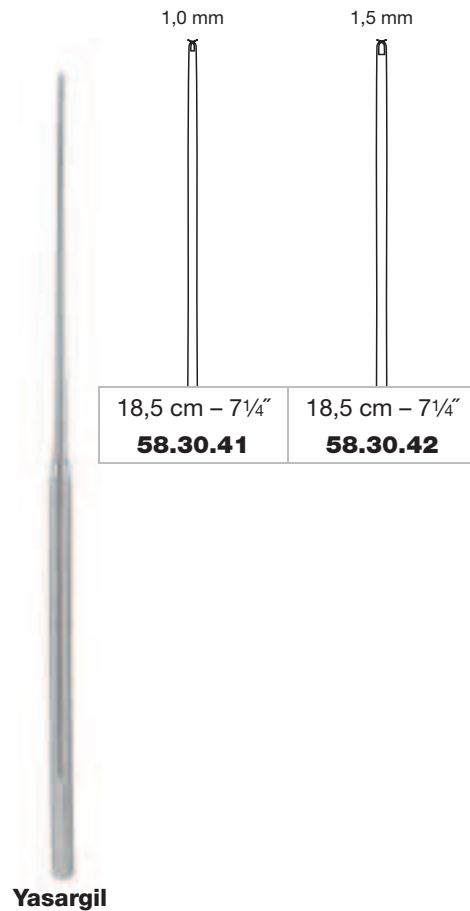
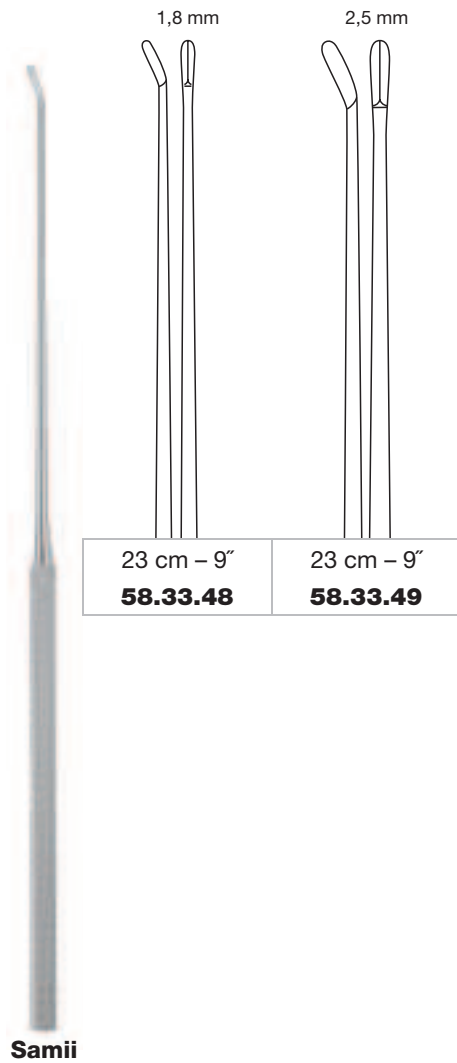
Tumormesser
 Tumor knives
 Cuchillos para tumores
 Couteaux à tumeurs
 Coltelli per tumori



Samii

Lanzettenmesser
 Lancet knives
 Cuchillos en forma de lanceta
 Couteaux lancéolaires
 Coltelli lanceolati

Gewebekrallen
 Tissue claws
 Garras para tejido
 Griffes tissulaires
 Artigli per tessuti



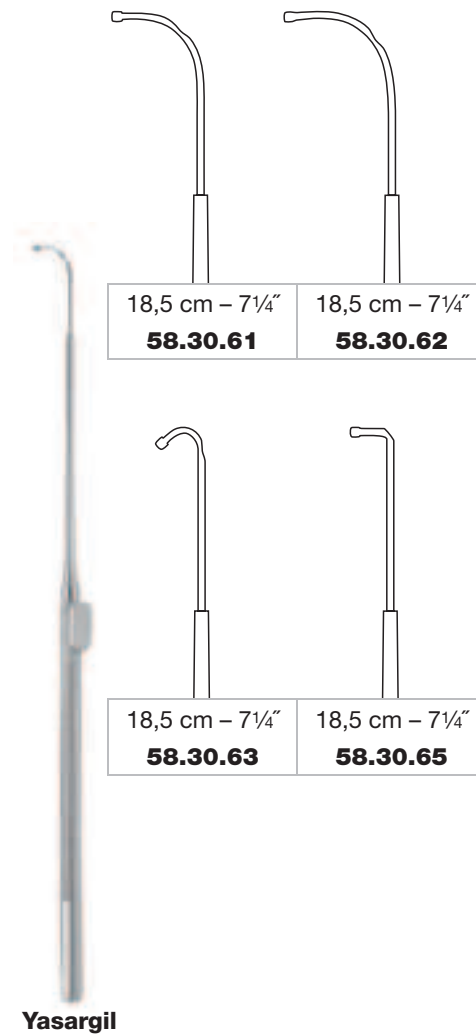
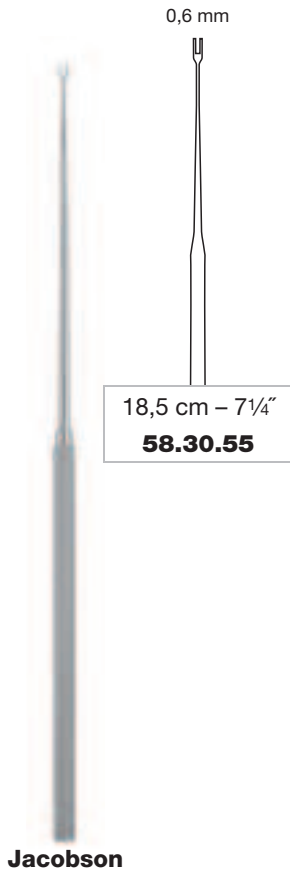
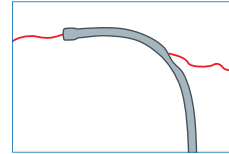


B06

Mikro-Instrumente
Micro Instruments
Micro instrumentos
Micro instruments
Micro strumenti

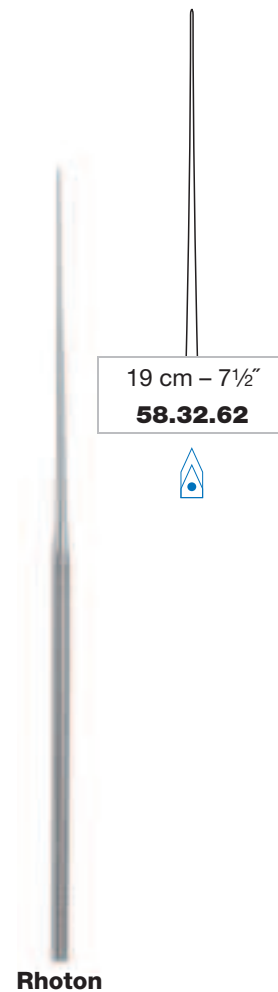
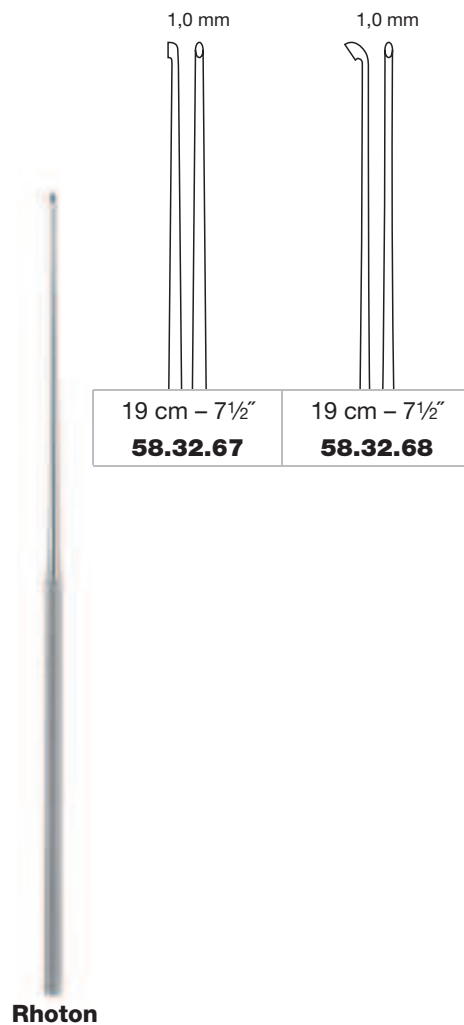
Fadengabel
 Ligature fork
 Horquilla de hilos
 Pousse-fil
 Forchetta da sutura

Fadenführer
 Ligature guides
 Guía-ligadura
 Guide-fils
 Passafilo



Scharfe Löffel
 Sharp curettes
 Cucharillas cortantes
 Curettes tranchantes
 Cucchiali taglienti

Nadel
 Needle
 Aguja
 Aiguille
 Ago



halbscharf
 semi sharp
 semi cortante
 semi tranchant
 semi acuta

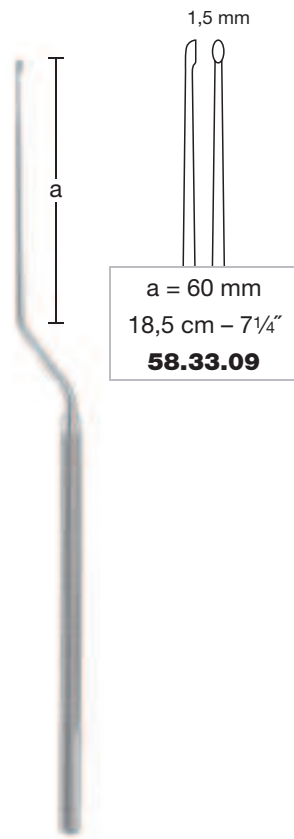
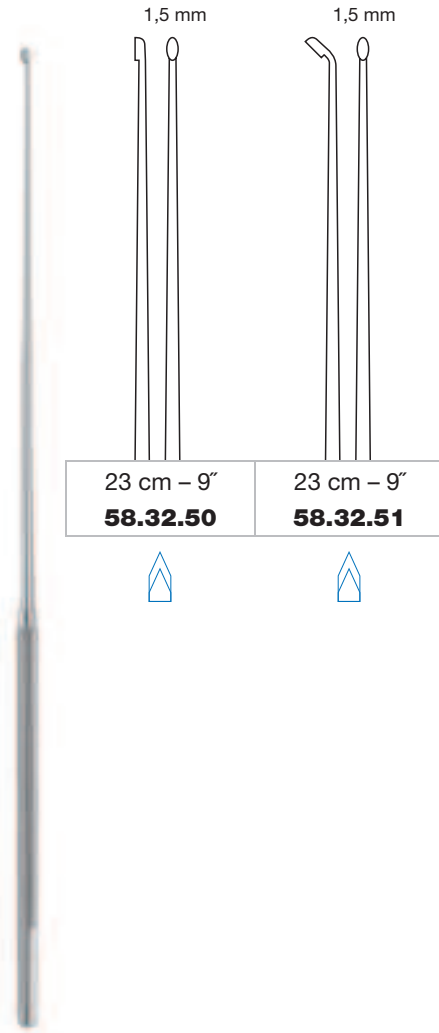


B06

Mikro-Instrumente
Micro Instruments
Micro instrumentos
Micro instruments
Micro strumenti

Küretten
 Curettes
 Curetas
 Curettes
 Curette

Scharfer Löffel
 Sharp curette
 Cucharilla cortante
 Curette tranchante
 Cucchiaino tagliente



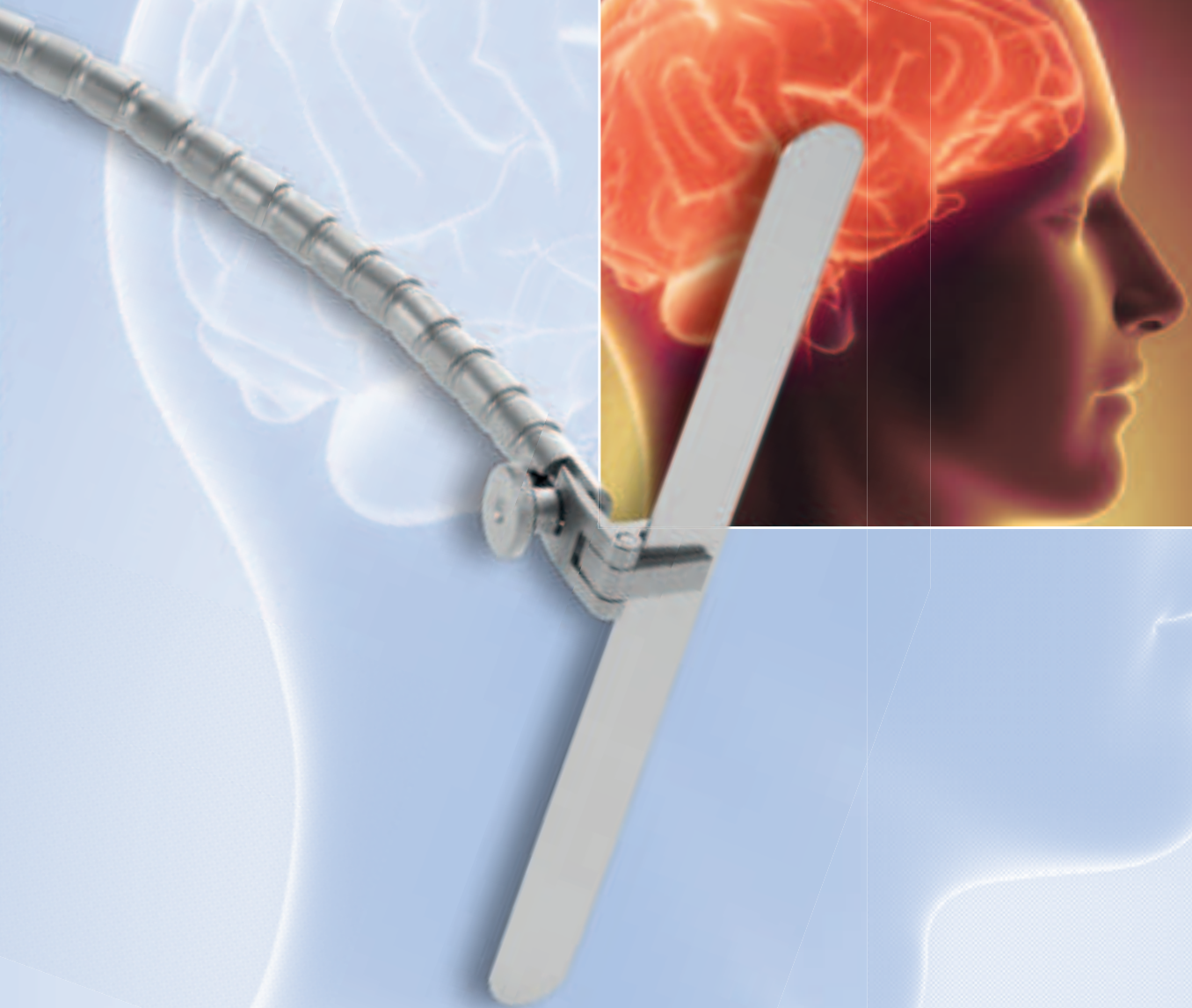
scharf
 sharp
 cortante
 tranchant
 acuta



Hirnspatel und Hirnspatelhalter
Brain Spatulas and Brain Spatula Retractors
Espátulas cerebrales y separadores para espátulas cerebrales
Spatules cérébrales et ecarteurs pour des spatules cérébrales
Spatole cerebrali e divaricatori cerebrali

B07

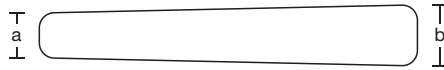
BRAIN SPATULAS



**B07**

Hirnspatel
Brain Spatulas
Espátulas cerebrales
Spatulas cérébrales
Spatole cerebrali

21
8
20
19
18
7
17
16
6
15
14
5
13
12
11
4
10
9
3
7
6
2
5
4
3
1
2
1
cm inch

**Davis**

a = 13 mm	18 cm - 7 1/8"	57.29.19	b = 13 mm
a = 16 mm	18 cm - 7 1/8"	57.29.20	b = 16 mm

100 mm



	20 cm - 8"	57.32.14	b = 14 mm
	20 cm - 8"	57.32.17	b = 17 mm
	20 cm - 8"	57.32.20	b = 20 mm

100 mm



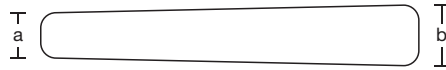
	15,5 cm - 6 1/8"	57.33.08	b = 8 mm
	15,5 cm - 6 1/8"	57.33.11	b = 11 mm
	15,5 cm - 6 1/8"	57.33.14	b = 14 mm
	15,5 cm - 6 1/8"	57.33.17	b = 17 mm

**Mod. Aachen**

a = 7 mm	20 cm - 8"	57.33.07	b = 8 mm
a = 10 mm	20 cm - 8"	57.33.10	b = 11 mm
a = 13 mm	20 cm - 8"	57.33.13	b = 14 mm
a = 16 mm	20 cm - 8"	57.33.16	b = 17 mm
a = 19 mm	20 cm - 8"	57.33.19	b = 20 mm
a = 22 mm	20 cm - 8"	57.33.22	b = 25 mm

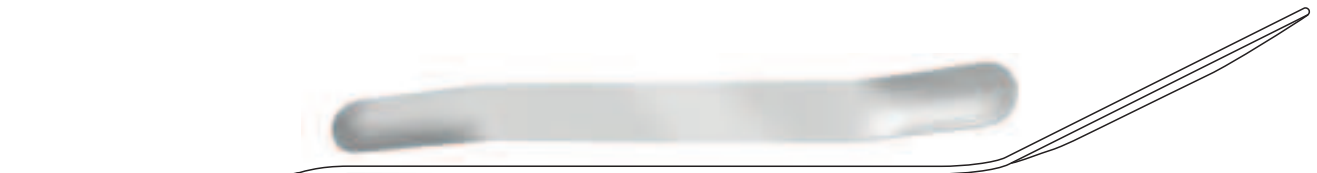


biegbar
 malleable
 maleables
 malléables
 malleabili



Olivecrona

a = 7 mm	18 cm - 7 1/8"	57.31.09	b = 9 mm
a = 11 mm	18 cm - 7 1/8"	57.31.13	b = 13 mm
a = 15 mm	18 cm - 7 1/8"	57.31.18	b = 18 mm
a = 18 mm	18 cm - 7 1/8"	57.31.22	b = 22 mm



Olivecrona

a = 7 mm	18 cm - 7 1/8"	57.31.39	b = 9 mm
a = 11 mm	18 cm - 7 1/8"	57.31.43	b = 13 mm
a = 15 mm	18 cm - 7 1/8"	57.31.48	b = 18 mm
a = 18 mm	18 cm - 7 1/8"	57.31.52	b = 22 mm



Olivecrona




a = 7 mm	18 cm - 7 1/8"	57.31.59	b = 9 mm
a = 11 mm	18 cm - 7 1/8"	57.31.63	b = 13 mm
a = 15 mm	18 cm - 7 1/8"	57.31.68	b = 18 mm
a = 18 mm	18 cm - 7 1/8"	57.31.72	b = 22 mm

**B07**

Hirnspatelhalter (selbsthaltend)
Brain Spatula Retractors (Self-Retaining)
Separadores para espátulas cerebrales (autoestático)
Ecarteurs pour des spatules cérébrales (autostatique)
Divaricatori cerebrale (autostatico)

Hirnspatelhalter (selbsthaltend) mit einem flexiblen Spannarm
 Brain spatula retractor (self-retaining) with one flexible tension arm
 Separador para espátulas cerebrales (autoestático) con uno brazo tensor flexible
 Ecarteur pour des spatules cérébrales (autostatique) avec un bras tendeur flexibles
 Divaricatore cerebrale (autostatico) con uno braccio tenditore flessibile

**Leyla**

57.59.01			
Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:		57.59.10 Flexibler Spannarm Flexible tension arm Brazo tensor flexible Bras tendeur flexible Braccio tenditore flessibile	1x
		57.59.21 Fixiervorrichtung am Schädel für einen Spannarm Fixation base at skull for one tension arm Fijador al craneo para uno brazo tensor Base de fixation au crâne pour un bras tendeur Fissaggio al cranio per un braccio tenditore	1x
		57.59.30 Halter für flache Hirnspatel Holder for flat brain spatulas Soporte para espátulas cerebrales planas Support pour des spatules cérébrales plates Sostegno per spatole cerebrali piate	1x



Hirnspatelhalter (selbsthaltend)
Brain Spatula Retractors (Self-Retaining)
Separadores para espátulas cerebrales (autoestático)
Ecarteurs pour des spatules cérébrales (autostatique)
Divaricatori cerebrale (autostatico)

B07

Hirnspatelhalter (selbsthaltend) mit zwei flexiblen Spannarmen
 Brain spatula retractor (self-retaining) with two flexible arms
 Separador para espátulas cerebrales (autoestático) con dos brazos tensores flexible
 Ecarteur pour des spatules cérébrales (autostatique) avec deux bras tendeurs flexibles
 Divaricatore cerebrale (autostatico) con due bracci tenditori flessibile



Leyla

57.59.02			
Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:	 Leyla	57.59.10 Flexibler Spannarm Flexible tension arm Brazo tensor flexible Bras tendeur flexible Braccio tenditore flessibile	1x
	 Riechert	57.59.22 Fixiervorrichtung am Schädel für zwei Spannarme Fixation base at skull for two tension arms Fijador al craneo para dos brazos tensores Base de fixation au crâne pour deux bras tendeurs Fissaggio al cranio per due bracci tenditori	1x
	 Riechert	57.59.30 Halter für flache Hirnspatel Holder for flat brain spatulas Soporte para espátulas cerebrales planas Support pour des spatules cérébrales plates Sostegno per spatole cerebrali piate	1x



Einzelkomponente (siehe Seite 205)
 Single components (see page 205)
 Componentes individuales (véase página 205)
 Composants individuels (voir page 205)
 Componenti singoli (vedi pagina 205)

**B07****Hirnspatelhalter (Einzelkomponente)****Brain Spatula Retractors (Single Components)****Separadores para espátulas cerebrales (componentes individuales)****Ecarteurs pour des spatules cérébrales (composants individuels)****Divaricatori cerebrale (componenti singoli)**

Flexibler Spannarm
Flexible tension arm
Brazo tensor flexible
Bras tendeur flexible
Braccio tenditore flessibile

**Leyla****57.59.10**

Fixiervorrichtung am Schädel für einen Spannarm
Fixation base at skull for one tension arm
Fijador al craneo para uno brazo tensor
Base de fixation au crâne pour un bras tendeur
Fissaggio al cranio per un braccio tenditore

**Riechert****57.59.21**

Fixiervorrichtung am Schädel für zwei Spannarme
Fixation base at skull for two tension arms
Fijador al craneo para dos brazos tensores
Base de fixation au crâne pour deux bras tendeurs
Fissaggio al cranio per due bracci tenditori

**Riechert****57.59.22**

Halter für flache Hirnspatel
Holder for flat brain spatulas
Soporte para espátulas cerebrales planas
Support pour des spatules cérébrales plates
Sostegno per spatole cerebrali piate

**Riechert****57.59.30**

Die abgebildeten Instrumente stehen in keinem Größenverhältnis zueinander.

The instruments shown do not represent the actual dimensions.

Los instrumentos representados se relacionan entre sí en cualquier proporción de tamaño.

Les illustrations des instruments ne sont pas à l'échelle.

Gli strumenti illustrati non rappresentano le reali dimensioni.

Fixiervorrichtung am OP-Tisch oder "FIXIT"-Schädelklemme
 Fixation base at operating table or "FIXIT" head rest
 Fijador para la mesa operatoria o fijador craneal "FIXIT"
 Base de fixation au table d'opération ou maintien crânien "FIXIT"
 Fissaggio al tavolo operatorio o testiera "FIXIT"



FiXiT
 HEAD REST SYSTEM



57.59.26

Halter für flache Hirnspatel mit Rundgriff
 Holder for flat brain spatulas with round handle
 Soporte para espátulas cerebrales planas con mango redondo
 Support pour des spatules cérébrales plates avec manche rond
 Sostegno per spatole cerebrali piatte con manico rotondo



57.59.32



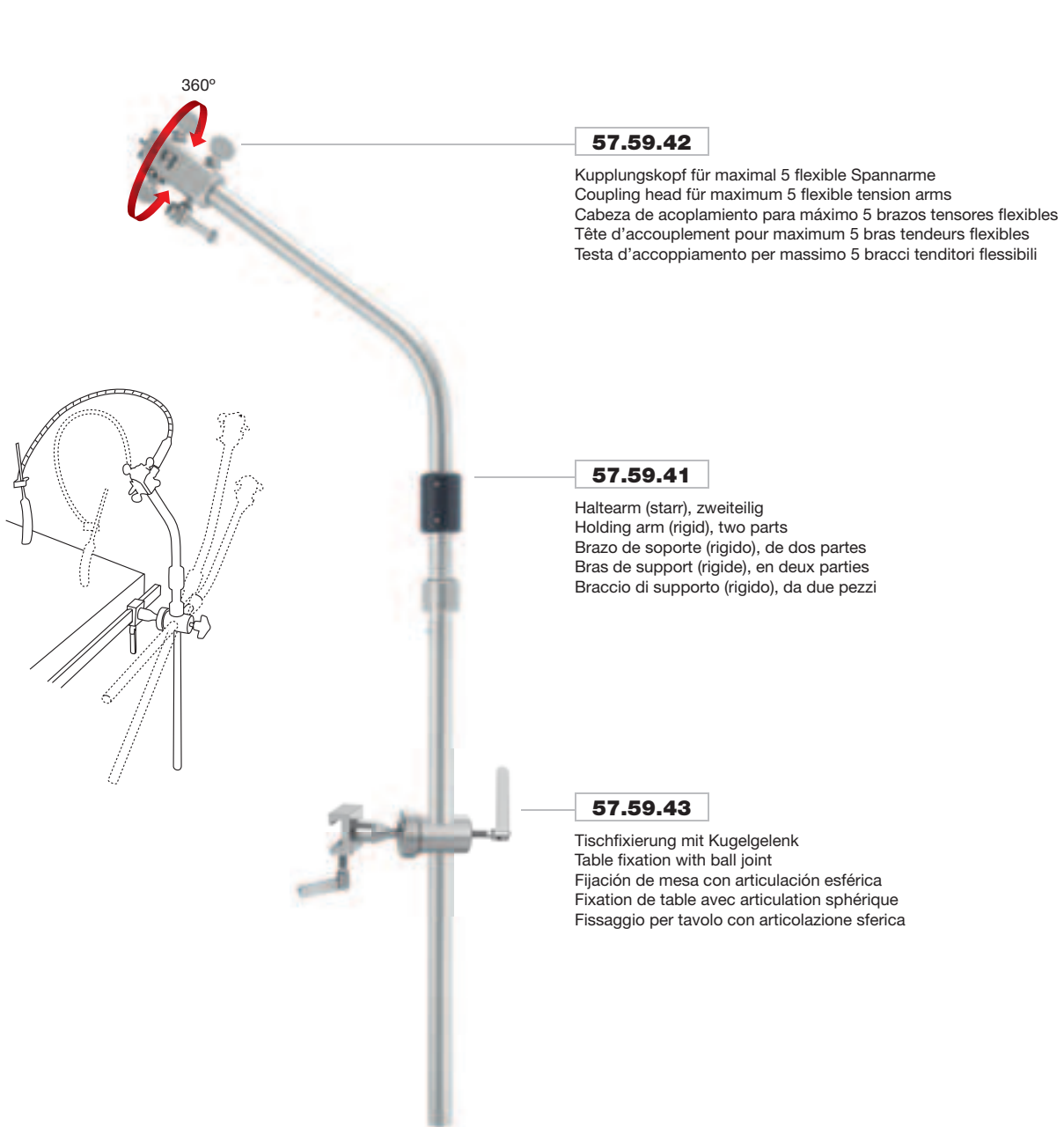
Ø ≤ 5,5 mm



Auch geeignet für Instrumente mit Rundgriff
 Also suitable for instruments with round handle
 Recomendado también para instrumentos con mangos redondos
 Convientent aussi pour instruments à manche rond
 Anche adatto per strumenti con manico rotondo



Die abgebildeten Instrumente stehen in keinem Größenverhältnis zueinander.
 The instruments shown do not represent the actual dimensions.
 Los instrumentos representados se relacionan entre sí en cualquier proporción de tamaño.
 Les illustrations des instruments ne sont pas à l'échelle.
 Gli strumenti illustrati non rappresentano le reali dimensioni.

**B07****Haltearm (starr) für LEYLA Hirnspatelhalter****Holding Arm (rigid) for LEYLA Brain Retractors****Brazo de soporte (rigido) para LEYLA separador para espátulas cerebrales****Bras de support (rigide) pour LEYLA écarteur pour des spatules cérébrales****Braccio di supporto (rigido) per LEYLA divaricatore per spatole cerebrali****57.59.42**

Kupplungskopf für maximal 5 flexible Spannarme
 Coupling head für maximum 5 flexible tension arms
 Cabeza de acoplamiento para máximo 5 brazos tensores flexibles
 Tête d'accouplement pour maximum 5 bras tendeurs flexibles
 Testa d'accoppiamento per massimo 5 bracci tenditori flessibili

57.59.41

Haltearm (starr), zweiteilig
 Holding arm (rigid), two parts
 Brazo de soporte (rigido), de dos partes
 Bras de support (rigide), en deux parties
 Braccio di supporto (rigido), da due pezzi

57.59.43

Tischfixierung mit Kugelgelenk
 Table fixation with ball joint
 Fijación de mesa con articulación esférica
 Fixation de table avec articulation sphérique
 Fissaggio per tavolo con articolazione sferica

57.59.45

Satz bestehend aus:	57.59.41 Coupling head für maximum 5 flexible tension arms	1x
Set consisting of:	57.59.42 Holding arm (rigid), two parts	1x
Juego compuesto por:	57.59.43 Table fixation with ball joint	1x
Jeu composé de:		
Set composto da:		

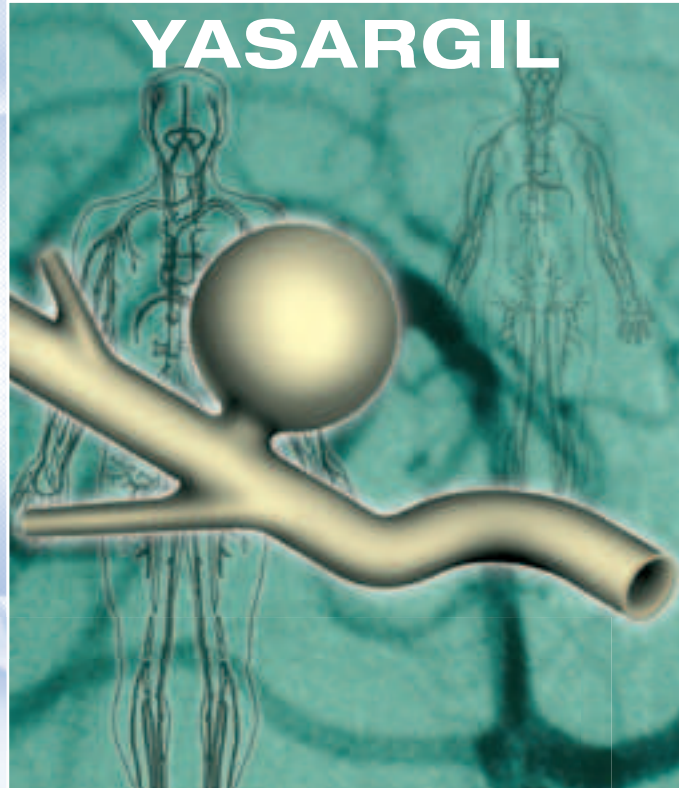
Die Farbliche Kennzeichnung ermöglicht eine gute Identifikation der permanenten und temporären Clips. Die Clips sind aus TITAN oder PHYNOX hergestellt und besitzen eine MRT-Kompatibilität bis zu einer Feldstärke von 3 Tesla.

The colour markings allow good identification of permanent and temporary clips. The clips are made of TITANIUM or PHYNOX and have an MRT compatibility up to a field strength of 3 Tesla.

El código de color permite identificar fácilmente los clips permanentes y temporales. Los clips están fabricados en TITANIO o PHYNOX y son compatibles para TRM con intensidades de campo de hasta 3 Teslas.

Le code couleur utilisé permet de parfaitement identifier les clips temporaires et permanents. Les clips sont fabriqués en TITANE ou PHYNOX et sont compatibles avec les TRM jusqu'à une puissance de champ de 3 Tesla.

La marcatura colorata rende possibile una buona identificazione delle clip permanenti e temporanee. Le clip sono realizzate in TITANIO o PHYNOX e sono compatibili con la risonanza magnetica fino ad una intensità di campo magnetico di 3 Tesla.



**B08****Clipausführungen: STANDARD und MINI****Typ of clip: STANDARD and MINI****Modelos de clip: STANDARD y MINI****Types de clips: STANDARD et MINI****Modello clip: STANDARD e MINI**

STANDARD			permanent permanent permanente permanent permanente
	TITANIUM	PHYNOX	
			temporär temporary temporal temporaire temporaneo

STANDARD gefenstert fenestrated fenestrado fenêtré fenestrato			permanent permanent permanente permanent permanente
	TITANIUM	PHYNOX	
			temporär temporary temporal temporaire temporaneo

MINI			permanent permanent permanente permanent permanente
	TITANIUM	PHYNOX	
			temporär temporary temporal temporaire temporaneo



Verpackungseinheit 1 Clip (nicht steril). Verpackung mit Clip-Identifikation.
 Packing unit 1 clip (non-sterile). Packing with clip identification.
 Paquete de 1 clip (no estéril). Paquete con identificación del clip.
 Emballage unitaire de 1 clip (non stérile). Emballage avec identification du clip.
 Confezione da 1 clip (non sterile). Confezione con identificazione della clip.



atraumatische Maulteile
 atraumatic jaws
 boca atraumatica
 mors atraumatiques
 morsi atraumatici

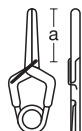
YASARGIL





STANDARD

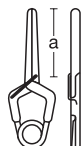
**Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovasculares
Clips vasculaires cérébraux
Clip cerebrovascolari**

B08





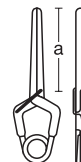
a = 7 mm

TITANIUM		PHYNOX	
 6,2 mm		 6,2 mm	
permanent	F = 150 g 58.60.08	permanent	F = 150 g 58.54.08
temporary	F = 110 g 58.60.58	temporary	F = 110 g 58.54.58





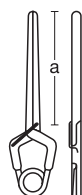
a = 9 mm

TITANIUM		PHYNOX	
 7,0 mm		 7,0 mm	
permanent	F = 180 g 58.60.10	permanent	F = 180 g 58.54.10
temporary	F = 90 g 58.60.60	temporary	F = 90 g 58.54.60





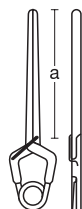
a = 11 mm

TITANIUM		PHYNOX	
 7,8 mm		 7,8 mm	
permanent	F = 180 g 58.60.12	permanent	F = 180 g 58.54.12
temporary	F = 90 g 58.60.62	temporary	F = 90 g 58.54.62





a = 15 mm

TITANIUM		PHYNOX	
 9,2 mm		 9,2 mm	
permanent	F = 200 g 58.60.16	permanent	F = 200 g 58.54.16
temporary	F = 90 g 58.60.66	temporary	F = 90 g 58.54.66





a = 17 mm

TITANIUM		PHYNOX	
 10,6 mm		 10,6 mm	
permanent	F = 200 g 58.60.18	permanent	F = 200 g 58.54.18
temporary	F = 90 g 58.60.67	temporary	F = 90 g 58.54.67





a = 20 mm

TITANIUM		PHYNOX	
 11,4 mm		 11,4 mm	
permanent	F = 200 g 58.60.21	permanent	F = 200 g 58.54.21
temporary	F = 110 g 58.60.71	temporary	F = 110 g 58.54.71





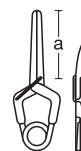
a = 25 mm

TITANIUM		PHYNOX	
 13,3 mm		 13,3 mm	
permanent	F = 200 g 58.60.26	permanent	F = 200 g 58.54.26
temporary	F = 110 g 58.60.72	temporary	F = 110 g 58.54.72





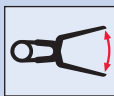
a = 7 mm

TITANIUM		PHYNOX	
 6,0 mm		 6,0 mm	
permanent	F = 110 g 58.61.08	permanent	F = 110 g 58.55.08
temporary	F = 150 g 58.61.58	temporary	F = 150 g 58.55.58

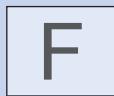


a = 9 mm

TITANIUM		PHYNOX	
 6,8 mm		 6,8 mm	
permanent	F = 180 g 58.61.10	permanent	F = 180 g 58.55.10
temporary	F = 90 g 58.61.60	temporary	F = 90 g 58.55.60



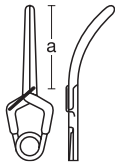
Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura









Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura

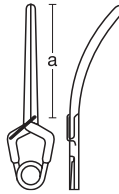
**B08**

Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascular
Clips vasculaires cérébraux
Clip cerebrovascolari







YASARGIL**STANDARD**

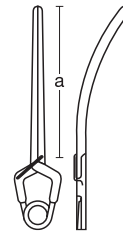
a = 11 mm

TITANIUM		PHYNIX	
 7,5 mm		 7,5 mm	
permanent 	F = 180 g	permanent 	F = 180 g
58.61.12		58.55.12	
temporary 	F = 90 g	temporary 	F = 90 g
58.61.64		58.55.64	









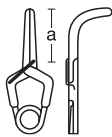
a = 15 mm

TITANIUM		PHYNIX	
 8,7 mm		 8,7 mm	
permanent 	F = 200 g	permanent 	F = 200 g
58.61.16		58.55.16	
temporary 	F = 110 g	temporary 	F = 110 g
58.61.66		58.55.66	









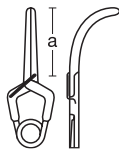
a = 20 mm

TITANIUM		PHYNIX	
 11,0 mm		 11,0 mm	
permanent 	F = 200 g	permanent 	F = 200 g
58.61.20		58.55.20	
temporary 	F = 90 g	temporary 	F = 90 g
58.61.71		58.55.71	









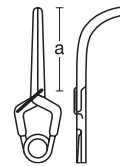
a = 7 mm

TITANIUM		PHYNIX	
 5,5 mm		 5,5 mm	
permanent 	F = 110 g	permanent 	F = 110 g
58.61.28		58.55.28	
temporary 	F = 150 g	temporary 	F = 150 g
58.61.72		58.55.72	









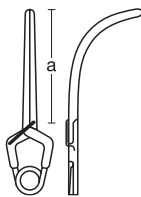
a = 9 mm

TITANIUM		PHYNIX	
 6,1 mm		 6,1 mm	
permanent 	F = 180 g	permanent 	F = 180 g
58.61.30		58.55.30	
temporary 	F = 110 g	temporary 	F = 110 g
58.61.80		58.55.80	









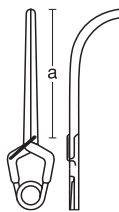
a = 11 mm

TITANIUM		PHYNIX	
 6,5 mm		 6,5 mm	
permanent 	F = 180 g	permanent 	F = 180 g
58.61.32		58.55.32	
temporary 	F = 110 g	temporary 	F = 110 g
58.61.81		58.55.81	









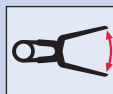
a = 15 mm

TITANIUM		PHYNIX	
 7,4 mm		 7,4 mm	
permanent 	F = 110 g	permanent 	F = 110 g
58.61.36		58.55.36	
temporary 	F = 200 g	temporary 	F = 200 g
58.61.86		58.55.86	



a = 17 mm

TITANIUM		PHYNIX	
 9,9 mm		 9,9 mm	
permanent 	F = 200 g	permanent 	F = 110 g
58.61.17		58.55.17	
temporary 	F = 90 g	temporary 	F = 90 g
58.61.91		58.55.91	



Öffnungsweite
 Opening width
 Abertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura

F

Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura



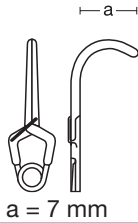
YASARGIL



STANDARD

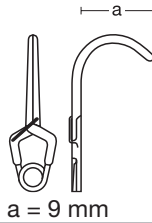
**Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascolari
Clips vasculaires cérébraux
Clip cerebrovascolari**

B08



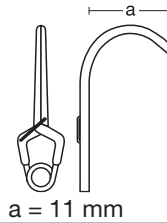
a = 7 mm

TITANIUM		PHYNOX	
	5,4 mm		5,4 mm
permanent	F = 180 g 58.61.37	permanent	F = 180 g 58.55.37
temporary	F = 110 g 58.61.92	temporary	F = 110 g 58.55.92



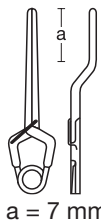
a = 9 mm

TITANIUM		PHYNOX	
	5,8 mm		5,8 mm
permanent	F = 180 g 58.61.38	permanent	F = 180 g 58.55.38
temporary	F = 110 g 58.61.94	temporary	F = 110 g 58.55.94



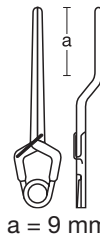
a = 11 mm

TITANIUM		PHYNOX	
	6,2 mm		6,2 mm
permanent	F = 180 g 58.61.39	permanent	F = 180 g 58.55.39
temporary	F = 110 g 58.61.95	temporary	F = 110 g 58.55.95



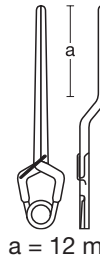
a = 7 mm

TITANIUM		PHYNOX	
	7,9 mm		7,9 mm
permanent	F = 200 g 58.61.43	permanent	F = 200 g 58.55.43
temporary	F = 90 g 58.63.06	temporary	F = 90 g 58.59.06



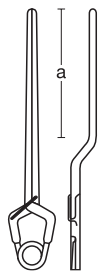
a = 9 mm

TITANIUM		PHYNOX	
	8,7 mm		8,7 mm
permanent	F = 200 g 58.61.45	permanent	F = 200 g 58.55.45
temporary	F = 90 g 58.63.09	temporary	F = 90 g 58.59.09



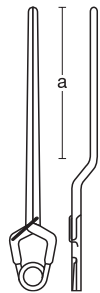
a = 12 mm

TITANIUM		PHYNOX	
	10,2 mm		10,2 mm
permanent	F = 200 g 58.61.44	permanent	F = 200 g 58.55.44
temporary	F = 90 g 58.63.12	temporary	F = 90 g 58.59.12



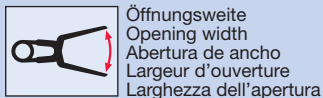
a = 17 mm

TITANIUM		PHYNOX	
	11,9 mm		11,9 mm
permanent	F = 180 g 58.61.47	permanent	F = 180 g 58.55.47
temporary	F = 90 g 58.63.17	temporary	F = 90 g 58.59.17

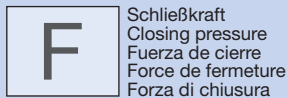


a = 20 mm

TITANIUM		PHYNOX	
	13,0 mm		13,0 mm
permanent	F = 180 g 58.61.46	permanent	F = 180 g 58.55.46
temporary	F = 90 g 58.63.20	temporary	F = 90 g 58.59.20



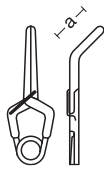
Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura









Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura

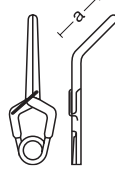
**B08**

Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascular
Clips vasculaires cérébraux
Clip cerebrovascolari







YASARGIL**STANDARD**

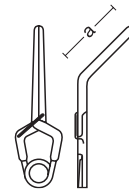
a = 5 mm

TITANIUM		PHYNOX	
 6,2 mm		 6,2 mm	
permanent 	F = 200 g 58.61.50	permanent 	F = 200 g 58.55.50
temporary 	F = 110 g 58.61.85	temporary 	F = 110 g 58.59.85









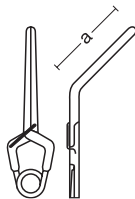
a = 7 mm

TITANIUM		PHYNOX	
 6,5 mm		 6,5 mm	
permanent 	F = 200 g 58.61.51	permanent 	F = 200 g 58.55.51
temporary 	F = 110 g 58.61.87	temporary 	F = 110 g 58.55.87









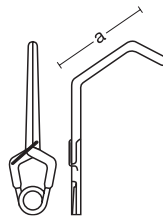
a = 9 mm

TITANIUM		PHYNOX	
 7,8 mm		 7,8 mm	
permanent 	F = 110 g 58.61.48	permanent 	F = 110 g 58.55.48
temporary 	F = 200 g 58.61.89	temporary 	F = 200 g 58.55.89









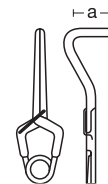
a = 11 mm

TITANIUM		PHYNOX	
 8,4 mm		 8,4 mm	
permanent 	F = 200 g 58.61.52	permanent 	F = 200 g 58.55.52
temporary 	F = 110 g 58.61.90	temporary 	F = 110 g 58.55.90









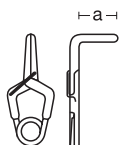
a = 13 mm

TITANIUM		PHYNOX	
 7,5 mm		 7,5 mm	
permanent 	F = 200 g 58.61.96	permanent 	F = 200 g 58.55.96
temporary 	F = 90 g 58.61.93	temporary 	F = 90 g 58.55.93









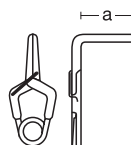
a = 5 mm

TITANIUM		PHYNOX	
 7,2 mm		 7,2 mm	
permanent 	F = 200 g 58.61.65	permanent 	F = 200 g 58.55.65
temporary 	F = 90 g 58.65.25	temporary 	F = 90 g 58.63.25









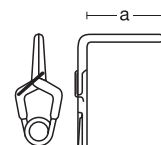
a = 5 mm

TITANIUM		PHYNOX	
 5,6 mm		 5,6 mm	
permanent 	F = 200 g 58.61.55	permanent 	F = 200 g 58.55.55
temporary 	F = 130 g 58.65.05	temporary 	F = 130 g 58.63.05









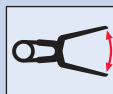
a = 7 mm

TITANIUM		PHYNOX	
 5,6 mm		 5,6 mm	
permanent 	F = 200 g 58.61.49	permanent 	F = 200 g 58.55.49
temporary 	F = 130 g 58.65.07	temporary 	F = 130 g 58.63.07



a = 10 mm

TITANIUM		PHYNOX	
 5,6 mm		 5,6 mm	
permanent 	F = 200 g 58.61.57	permanent 	F = 200 g 58.55.57
temporary 	F = 130 g 58.65.10	temporary 	F = 130 g 58.63.10



Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura

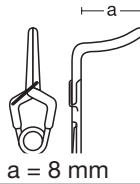
F

Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura

**YASARGIL
STANDARD**

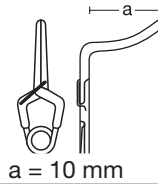
**Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovasculari
Clips vasculaires cérébraux
Clip cerebrovascolari**

B08



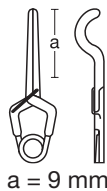
a = 8 mm

TITANIUM		PHYNOX	
5,4 mm		5,4 mm	
permanent	F = 200 g 58.61.62	permanent	F = 200 g 58.55.62
temporary	F = 130 g 58.65.08	temporary	F = 130 g 58.63.08



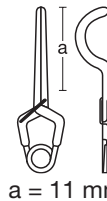
a = 10 mm

TITANIUM		PHYNOX	
5,6 mm		5,6 mm	
permanent	F = 200 g 58.61.63	permanent	F = 200 g 58.55.63
temporary	F = 130 g 58.65.21	temporary	F = 130 g 58.63.21



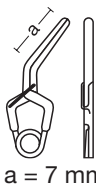
a = 9 mm

TITANIUM		PHYNOX	
7,2 mm		7,2 mm	
permanent	F = 200 g 58.61.68	permanent	F = 200 g 58.55.68
temporary	F = 90 g 58.65.29	temporary	F = 90 g 58.63.29



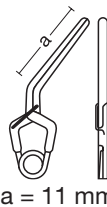
a = 11 mm

TITANIUM		PHYNOX	
8,2 mm		8,2 mm	
permanent	F = 200 g 58.61.67	permanent	F = 200 g 58.55.67
temporary	F = 90 g 58.65.31	temporary	F = 90 g 58.63.31



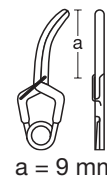
a = 7 mm

TITANIUM		PHYNOX	
5,7 mm		5,7 mm	
permanent	F = 200 g 58.61.40	permanent	F = 200 g 58.55.40
temporary	F = 90 g 58.65.37	temporary	F = 90 g 58.63.37



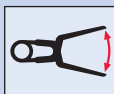
a = 11 mm

TITANIUM		PHYNOX	
8,0 mm		8,0 mm	
permanent	F = 200 g 58.61.41	permanent	F = 200 g 58.55.41
temporary	F = 90 g 58.65.41	temporary	F = 90 g 58.63.41



a = 9 mm

TITANIUM		PHYNOX	
6,2 mm		6,2 mm	
permanent	F = 200 g 58.61.42	permanent	F = 200 g 58.55.42
temporary	F = 90 g 58.65.49	temporary	F = 90 g 58.63.49



Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura



Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura

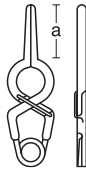


Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascular
Clips vasculaires cérébraux
Clip cerebrovascolari

gefenstert
fenestrated
fenestrado
fenêtré
fenestrato

YASARGIL
3,5 mm
STANDARD

B08



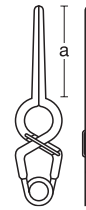
a = 7 mm

	TITANIUM	PHYNOX
	7,4 mm	7,4 mm
permanent	F = 150 g 58.59.50	F = 150 g 58.53.50
temporary	F = 110 g 58.64.07	F = 110 g 58.58.07



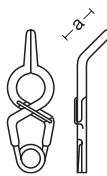
a = 9 mm

	TITANIUM	PHYNOX
	8,4 mm	8,4 mm
permanent	F = 150 g 58.59.51	F = 150 g 58.53.51
temporary	F = 110 g 58.64.09	F = 110 g 58.58.09



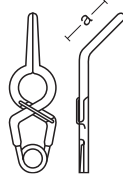
a = 12 mm

	TITANIUM	PHYNOX
	9,6 mm	9,6 mm
permanent	F = 180 g 58.59.52	F = 180 g 58.53.52
temporary	F = 90 g 58.64.12	F = 90 g 58.58.12



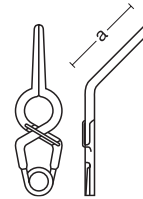
a = 5 mm

	TITANIUM	PHYNOX
	5,8 mm	5,8 mm
permanent	F = 150 g 58.59.53	F = 150 g 58.53.53
temporary	F = 110 g 58.64.15	F = 110 g 58.58.15



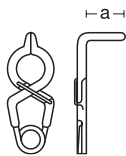
a = 7 mm

	TITANIUM	PHYNOX
	6,5 mm	6,5 mm
permanent	F = 150 g 58.59.54	F = 150 g 58.53.54
temporary	F = 110 g 58.64.17	F = 110 g 58.58.17



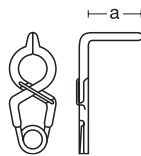
a = 11 mm

	TITANIUM	PHYNOX
	7,2 mm	7,2 mm
permanent	F = 180 g 58.59.55	F = 180 g 58.53.55
temporary	F = 110 g 58.64.21	F = 110 g 58.58.21



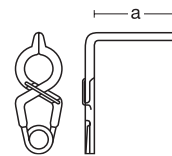
a = 5 mm

	TITANIUM	PHYNOX
	4,9 mm	4,9 mm
permanent	F = 150 g 58.59.56	F = 150 g 58.53.56
temporary	F = 110 g 58.64.25	F = 110 g 58.58.25



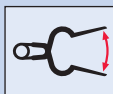
a = 7 mm

	TITANIUM	PHYNOX
	4,9 mm	4,9 mm
permanent	F = 150 g 58.59.57	F = 150 g 58.53.57
temporary	F = 110 g 58.64.27	F = 110 g 58.58.27



a = 11 mm

	TITANIUM	PHYNOX
	4,9 mm	4,9 mm
permanent	F = 180 g 58.59.58	F = 180 g 58.53.58
temporary	F = 110 g 58.64.31	F = 110 g 58.58.31



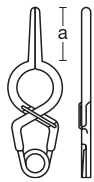
Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura





Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura

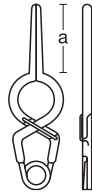
YASARGIL
5,0 mm
STANDARD

gefenstert
fenestrado
fenêtré
fenestrato





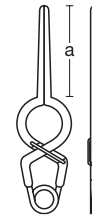
a = 7 mm

	TITANIUM	PHYNOX
	 7,9 mm	 7,9 mm
permanent	F = 150 g 58.59.60	F = 150 g 58.53.60
temporary	F = 110 g 58.64.37	F = 110 g 58.58.37





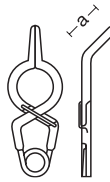
a = 9 mm

	TITANIUM	PHYNOX
	 9,1 mm	 9,1 mm
permanent	F = 150 g 58.59.61	F = 150 g 58.53.61
temporary	F = 100 g 58.64.39	F = 100 g 58.58.39





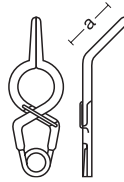
a = 12 mm

	TITANIUM	PHYNOX
	 10,3 mm	 10,3 mm
permanent	F = 180 g 58.59.62	F = 180 g 58.53.62
temporary	F = 90 g 58.64.42	F = 90 g 58.58.42





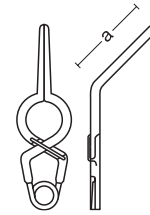
a = 5 mm

	TITANIUM	PHYNOX
	 6,5 mm	 6,5 mm
permanent	F = 150 g 58.59.63	F = 150 g 58.53.63
temporary	F = 110 g 58.64.45	F = 110 g 58.58.45





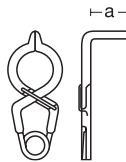
a = 7 mm

	TITANIUM	PHYNOX
	 7,2 mm	 7,2 mm
permanent	F = 150 g 58.59.64	F = 150 g 58.53.64
temporary	F = 110 g 58.64.47	F = 110 g 58.58.47





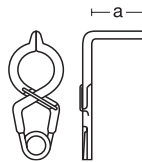
a = 11 mm

	TITANIUM	PHYNOX
	 7,8 mm	 7,8 mm
permanent	F = 180 g 58.59.65	F = 180 g 58.53.65
temporary	F = 110 g 58.64.51	F = 110 g 58.58.51





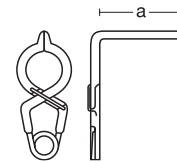
a = 5 mm

	TITANIUM	PHYNOX
	 5,5 mm	 5,5 mm
permanent	F = 150 g 58.59.66	F = 150 g 58.53.66
temporary	F = 110 g 58.64.55	F = 110 g 58.58.55





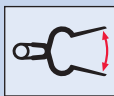
a = 7 mm

	TITANIUM	PHYNOX
	 5,5 mm	 5,5 mm
permanent	F = 150 g 58.59.67	F = 150 g 58.53.67
temporary	F = 110 g 58.64.57	F = 110 g 58.58.57



a = 11 mm

	TITANIUM	PHYNOX
	 5,5 mm	 5,5 mm
permanent	F = 180 g 58.59.68	F = 180 g 58.53.68
temporary	F = 90 g 58.64.61	F = 90 g 58.58.61



Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura



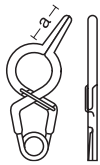
Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura

**B08**

Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascular
Clips vasculaires cérébraux
Clip cerebrovascolari

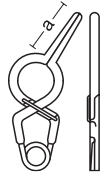
gefenstert
 fenestrated
 fenestrado
 fenêtré
 fenestrato

YASARGIL
5,0 mm
STANDARD



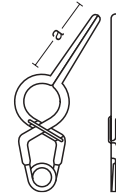
a = 5 mm

TITANIUM		PHYNIX	
7,0 mm		7,0 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.81		58.53.81
temporary	F = 110 g	temporary	F = 110 g
	58.47.25		58.41.25



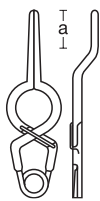
a = 7 mm

TITANIUM		PHYNIX	
7,8 mm		7,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.82		58.53.82
temporary	F = 110 g	temporary	F = 110 g
	58.47.27		58.41.27



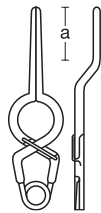
a = 10 mm

TITANIUM		PHYNIX	
8,8 mm		8,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.83		58.53.83
temporary	F = 110 g	temporary	F = 110 g
	58.47.30		58.41.30



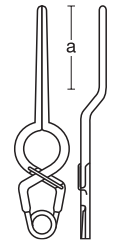
a = 5 mm

TITANIUM		PHYNIX	
7,9 mm		7,9 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.69		58.53.69
temporary	F = 90 g	temporary	F = 90 g
	58.64.65		58.58.65



a = 7 mm

TITANIUM		PHYNIX	
8,8 mm		8,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.70		58.53.70
temporary	F = 90 g	temporary	F = 90 g
	58.64.67		58.58.67



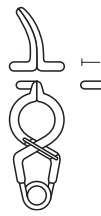
a = 11 mm

TITANIUM		PHYNIX	
10,0 mm		10,0 mm	
permanent	F = 180 g	permanent	F = 180 g
	58.59.71		58.53.71
temporary	F = 90 g	temporary	F = 90 g
	58.64.71		58.58.71



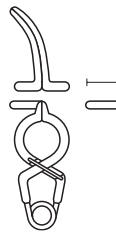
a = 5 mm

TITANIUM		PHYNIX	
5,8 mm		5,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.74		58.53.74
temporary	F = 110 g	temporary	F = 110 g
	58.47.05		58.41.05



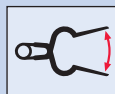
a = 7 mm

TITANIUM		PHYNIX	
5,8 mm		5,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.75		58.53.75
temporary	F = 110 g	temporary	F = 110 g
	58.47.07		58.41.07

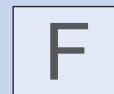


a = 11 mm

TITANIUM		PHYNIX	
5,8 mm		5,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	58.59.76		58.53.76
temporary	F = 110 g	temporary	F = 110 g
	58.47.10		58.41.10



Öffnungsweite
 Opening width
 Abertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura



Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura

YASARGIL
5,0 mm
STANDARD

gefenstert
fenestrado
fenêtré
fenestrato

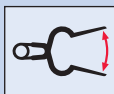
Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascular
Clips vasculaires cérébraux
Clip cerebrovascolari

B08

<p>a = 5 mm</p>		<p>a = 7 mm</p>		<p>a = 10 mm</p>	
TITANIUM 5,8 mm	PHYNOX 5,8 mm	TITANIUM 5,8 mm	PHYNOX 5,8 mm	TITANIUM 5,8 mm	PHYNOX 5,8 mm
permanent F = 150 g 58.59.77	permanent F = 150 g 58.53.77	permanent F = 150 g 58.59.78	permanent F = 150 g 58.53.78	permanent F = 150 g 58.59.79	permanent F = 150 g 58.53.79
temporary F = 110 g 58.47.15	temporary F = 110 g 58.41.15	temporary F = 110 g 58.47.17	temporary F = 110 g 58.41.17	temporary F = 110 g 58.47.20	temporary F = 110 g 58.41.20

<p>a = 5 mm</p>		<p>a = 7 mm</p>	
TITANIUM 5,8 mm	PHYNOX 5,8 mm	TITANIUM 6,2 mm	PHYNOX 6,2 mm
permanent F = 150 g 58.59.86	permanent F = 150 g 58.53.86	permanent F = 150 g 58.59.87	permanent F = 150 g 58.53.87
temporary F = 110 g 58.47.35	temporary F = 110 g 58.41.35	temporary F = 110 g 58.47.37	temporary F = 110 g 58.41.37

<p>a = 5 mm</p>		<p>a = 7 mm</p>	
TITANIUM 5,8 mm	PHYNOX 5,8 mm	TITANIUM 6,2 mm	PHYNOX 6,2 mm
permanent F = 150 g 58.59.88	permanent F = 150 g 58.53.88	permanent F = 150 g 58.59.89	permanent F = 150 g 58.53.89
temporary F = 110 g 58.47.45	temporary F = 110 g 58.41.45	temporary F = 110 g 58.47.47	temporary F = 110 g 58.41.47



Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura



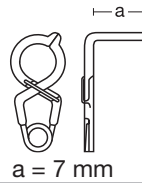
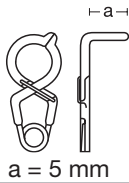
Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura







**B08**







Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascular
Clips vasculaires cérébraux
Clip cerebrovascolari

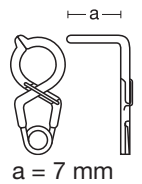
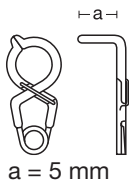
gefenestert
 fenestrated
 fenestrado
 fenêtré
 fenestrato







YASARGIL
5,0 mm
STANDARD









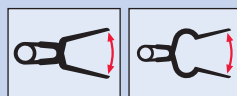
	TITANIUM	PHYNOX
	 5,6 mm	 5,6 mm
permanent	 F = 150 g 58.59.91	 F = 150 g 58.53.91
temporary	 F = 110 g 58.47.55	 F = 110 g 58.41.55

	TITANIUM	PHYNOX
	 5,6 mm	 5,6 mm
permanent	 F = 150 g 58.59.92	 F = 150 g 58.53.92
temporary	 F = 110 g 58.47.57	 F = 110 g 58.41.57

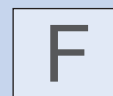


	TITANIUM	PHYNOX
	 5,6 mm	 5,6 mm
permanent	 F = 150 g 58.59.93	 F = 150 g 58.53.93
temporary	 F = 110 g 58.47.65	 F = 110 g 58.41.65

	TITANIUM	PHYNOX
	 5,6 mm	 5,6 mm
permanent	 F = 150 g 58.59.94	 F = 150 g 58.53.94
temporary	 F = 110 g 58.47.67	 F = 110 g 58.41.67



Öffnungsweite
 Opening width
 Abertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura



Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura

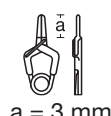
YASARGIL



MINI

**Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovascolari
Clips vasculaires cérébraux
Clip cerebrovascolari**

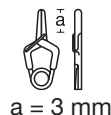
B08



TITANIUM		PHYNOX	
3,3 mm		3,3 mm	
permanent	F = 110 g 58.42.03	permanent	F = 110 g 58.56.03
temporary	F = 90 g 58.42.53	temporary	F = 90 g 58.56.53



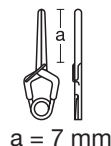
TITANIUM		PHYNOX	
4,0 mm		4,0 mm	
permanent	F = 110 g 58.42.05	permanent	F = 110 g 58.56.05
temporary	F = 70 g 58.42.55	temporary	F = 70 g 58.56.55



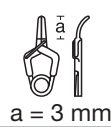
TITANIUM		PHYNOX	
3,3 mm		3,3 mm	
permanent	F = 110 g 58.42.04	permanent	F = 110 g 58.56.04
temporary	F = 90 g 58.42.63	temporary	F = 90 g 58.56.63



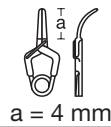
TITANIUM		PHYNOX	
4,0 mm		4,0 mm	
permanent	F = 110 g 58.42.06	permanent	F = 110 g 58.56.06
temporary	F = 70 g 58.42.65	temporary	F = 70 g 58.56.65



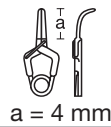
TITANIUM		PHYNOX	
4,6 mm		4,6 mm	
permanent	F = 110 g 58.42.07	permanent	F = 110 g 58.56.07
temporary	F = 70 g 58.42.58	temporary	F = 70 g 58.56.58



TITANIUM		PHYNOX	
3,2 mm		3,2 mm	
permanent	F = 110 g 58.43.03	permanent	F = 110 g 58.57.03
temporary	F = 90 g 58.43.53	temporary	F = 90 g 58.57.53



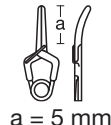
TITANIUM		PHYNOX	
3,8 mm		3,8 mm	
permanent	F = 110 g 58.43.05	permanent	F = 110 g 58.57.05
temporary	F = 70 g 58.43.55	temporary	F = 70 g 58.57.55



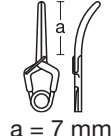
TITANIUM		PHYNOX	
3,6 mm		3,6 mm	
permanent	F = 110 g 58.43.15	permanent	F = 110 g 58.57.15
temporary	F = 80 g 58.43.65	temporary	F = 80 g 58.57.65



TITANIUM		PHYNOX	
3,6 mm		3,6 mm	
permanent	F = 110 g 58.43.08	permanent	F = 110 g 58.57.08
temporary	F = 80 g 58.43.57	temporary	F = 80 g 58.57.57



TITANIUM		PHYNOX	
3,8 mm		3,8 mm	
permanent	F = 110 g 58.43.06	permanent	F = 110 g 58.57.06
temporary	F = 70 g 58.43.59	temporary	F = 70 g 58.57.59



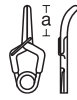
TITANIUM		PHYNOX	
4,4 mm		4,4 mm	
permanent	F = 110 g 58.43.07	permanent	F = 110 g 58.57.07
temporary	F = 70 g 58.43.58	temporary	F = 70 g 58.57.58

Öffnungsweite
Opening width
Abertura de ancho
Largeur d'ouverture
Larghezza dell'apertura

F Schließkraft
Closing pressure
Fuerza de cierre
Force de fermeture
Forza di chiusura

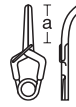
**B08**

Zerebrovaskuläre Clips
Cerebrovascular Clips
Clips cerebrovasculares
Clips vasculaires cérébraux
Clip cerebrovascolari

YASARGIL**MINI**

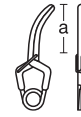
a = 4 mm

TITANIUM		PHYNOX	
	3,6 mm		3,6 mm
permanent	F = 110 g 58.43.09	permanent	F = 110 g 58.57.09
temporary	F = 80 g 58.43.61	temporary	F = 80 g 58.57.61



a = 5 mm

TITANIUM		PHYNOX	
	4,0 mm		4,0 mm
permanent	F = 110 g 58.43.10	permanent	F = 110 g 58.57.10
temporary	F = 70 g 58.43.63	temporary	F = 70 g 58.57.63



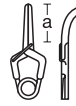
a = 6 mm

TITANIUM		PHYNOX	
	6,0 mm		6,0 mm
permanent	F = 130 g 58.43.41	permanent	F = 130 g 58.57.41
temporary	F = 70 g 58.43.70	temporary	F = 70 g 58.57.70



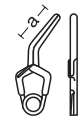
a = 4 mm

TITANIUM		PHYNOX	
	3,5 mm		3,5 mm
permanent	F = 110 g 58.43.16	permanent	F = 110 g 58.57.16
temporary	F = 80 g 58.43.67	temporary	F = 80 g 58.57.67



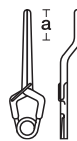
a = 5 mm

TITANIUM		PHYNOX	
	4,0 mm		4,0 mm
permanent	F = 110 g 58.43.17	permanent	F = 110 g 58.57.17
temporary	F = 70 g 58.43.68	temporary	F = 70 g 58.57.68



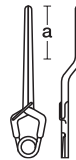
a = 5 mm

TITANIUM		PHYNOX	
	3,5 mm		3,5 mm
permanent	F = 130 g 58.43.40	permanent	F = 130 g 58.57.40
temporary	F = 70 g 58.43.69	temporary	F = 70 g 58.57.69



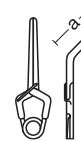
a = 4 mm

TITANIUM		PHYNOX	
	7,0 mm		7,0 mm
permanent	F = 130 g 58.43.43	permanent	F = 130 g 58.57.43
temporary	F = 70 g 58.43.71	temporary	F = 70 g 58.57.71



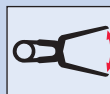
a = 7 mm

TITANIUM		PHYNOX	
	5,7 mm		5,7 mm
permanent	F = 130 g 58.43.42	permanent	F = 130 g 58.57.42
temporary	F = 70 g 58.43.72	temporary	F = 70 g 58.57.72



a = 7 mm

TITANIUM		PHYNOX	
	4,5 mm		4,5 mm
permanent	F = 130 g 58.43.48	permanent	F = 130 g 58.57.48
temporary	F = 70 g 58.43.73	temporary	F = 70 g 58.57.73



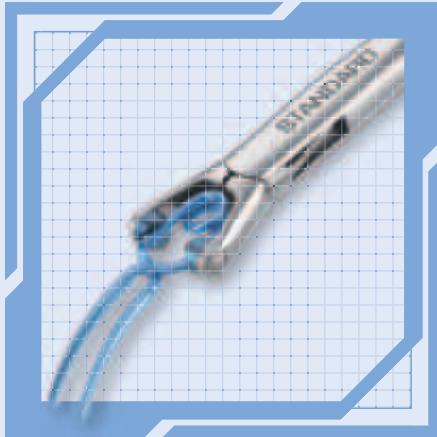
Öffnungsweite
 Opening width
 Abertura de ancho
 Largeur d'ouverture
 Larghezza dell'apertura

F

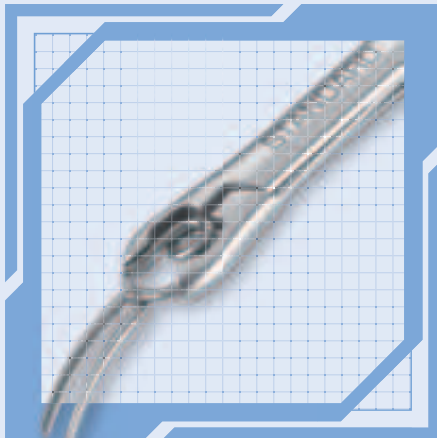
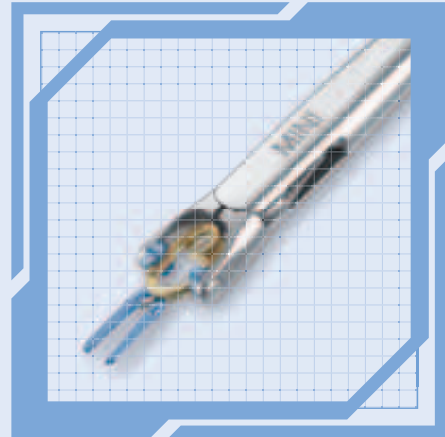
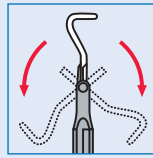
Schließkraft
 Closing pressure
 Fuerza de cierre
 Force de fermeture
 Forza di chiusura

Anlegezangen und Zubehör
Applying Forceps and Accessories
Pinzas para aplicar y accesorios
Pinces à appliquer et accessoires
Pinze per applicare ed accessori

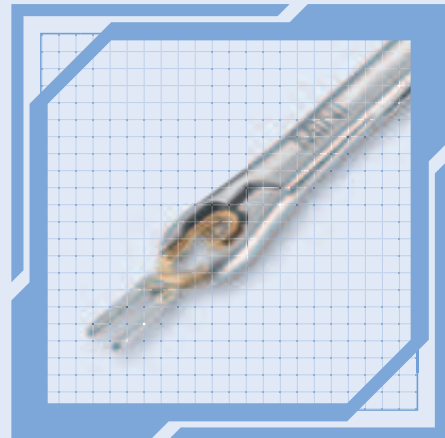
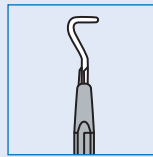
B08



Maul mit drehbarer Clip-Aufnahme
 Rotatable jaw for clip application
 Boca con acogida giratoria para clips
 Mors avec prise pivotante pour clips
 Morso da presa girevole per clip



Maul mit starrer Clip-Aufnahme
 Rigid jaw for clip application
 Boca con acogida rígida para clips
 Mors avec prise rigide pour clips
 Morso da presa rigido per clip



Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme
 Accessories for all clip applying forceps with rotatable clip application
 Accesorios para todas las pinzas aplicadoras con acogida giratoria
 Accessoires pour toutes les pinces à appliquer les clips avec prise pivotante
 Accessori per tutti i posacclip con presa girevole



Einstellschlüssel
 Adjustment wrenches
 Llaves de ajuste
 Clés de réglage
 Chiave di regolazione



1:1

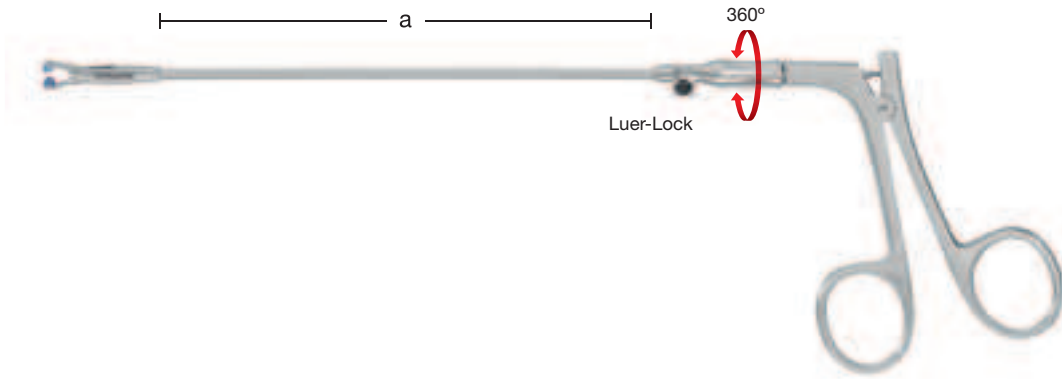


TITANIUM	58.60.45
PHYNOX	58.60.46

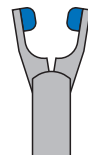
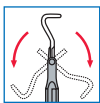
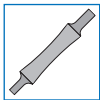


Anlegezangen
Applying Forceps
Pinzas para aplicar
Pinces à appliquer
Pinze per applicare

B08



Yasargil

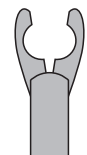
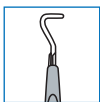


PHYNOX

a = 7 cm – 2¾"	58.30.91
a = 9 cm – 3½"	58.30.92
a = 11 cm – 4¾"	58.30.93
a = 13 cm – 5½"	58.30.94

TITANIUM

a = 7 cm – 2¾"	58.31.91
a = 9 cm – 3½"	58.31.92
a = 11 cm – 4¾"	58.31.93
a = 13 cm – 5½"	58.31.94

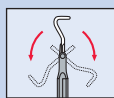


PHYNOX

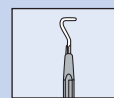
a = 7 cm – 2¾"	58.32.91
a = 9 cm – 3½"	58.32.92
a = 11 cm – 4¾"	58.32.93
a = 13 cm – 5½"	58.32.94

TITANIUM

a = 7 cm – 2¾"	58.33.91
a = 9 cm – 3½"	58.33.92
a = 11 cm – 4¾"	58.33.93
a = 13 cm – 5½"	58.33.94

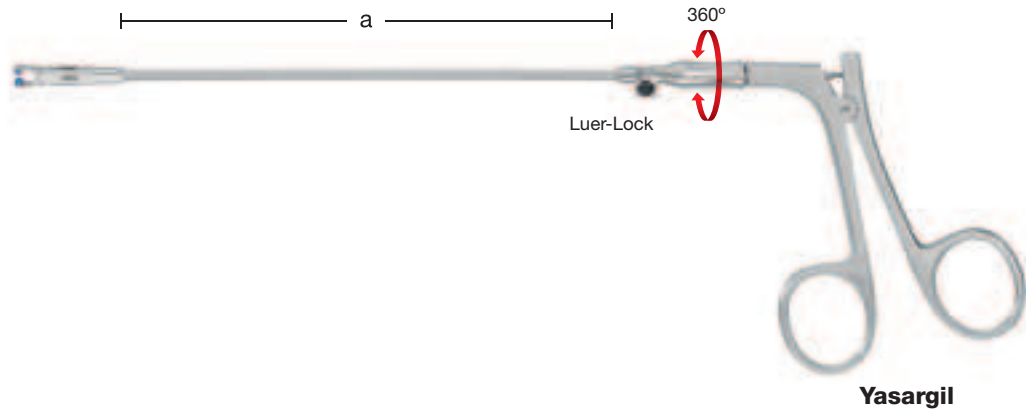


Maul mit drehbarer Clip-Aufnahme
Rotatable jaw for clip application
Boca con acogida giratoria para clips
Mors avec prise pivotante pour clips
Morso da presa girevole per clip

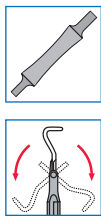


Maul mit starrer Clip-Aufnahme
Rigid jaw for clip application
Boca con acogida rígida para clips
Mors avec prise rigide pour clips
Morso da presa rigido per clip



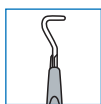


Yasargil



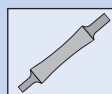
PHYNOX	
a = 7 cm – 2¾"	58.34.91
a = 9 cm – 3½"	58.34.92
a = 11 cm – 4¾"	58.34.93
a = 13 cm – 5½"	58.34.94

TITANIUM	
a = 7 cm – 2¾"	58.36.91
a = 9 cm – 3½"	58.36.92
a = 11 cm – 4¾"	58.36.93
a = 13 cm – 5½"	58.36.94



PHYNOX	
a = 7 cm – 2¾"	58.37.91
a = 9 cm – 3½"	58.37.92
a = 11 cm – 4¾"	58.37.93
a = 13 cm – 5½"	58.37.94

TITANIUM	
a = 7 cm – 2¾"	58.38.91
a = 9 cm – 3½"	58.38.92
a = 11 cm – 4¾"	58.38.93
a = 13 cm – 5½"	58.38.94



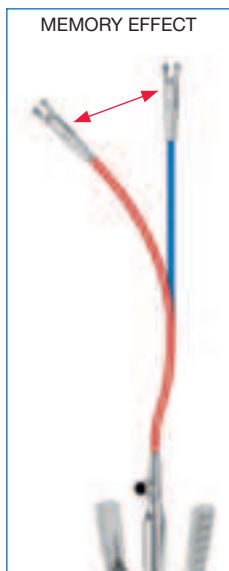
Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme (siehe Seite 221)
Accessories for all clip applying forceps with rotatable clip application (see page 221)
Accesorios para todas las pinzas aplicadoras con acogida giratoria (véase página 221)
Accessoires pour toutes les pinces à appliquer les clips avec prise pivotante (voir page 221)
Accessori per tutti i posacclip con presa girevole (vedi pagina 221)

**B08**

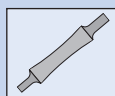
Anlegezangen (biegbar) mit Memory-Effekt
Applying Forceps (flexible) with Memory Effect
Pinzas para aplicar (flexible) con efecto de memoria
Pinces à appliquer (flexible) avec effet de mémoire
Pinze per applicare (flessibili) con effetto di memoria

Anlegezangen mit Memory-Effekt
 Applying forceps with memory effect
 Pinzas para aplicar con efecto de memoria
 Pinces à appliquer avec effet de mémoire
 Pinze per applicare con effetto di memoria

- ▶ für die individuelle Anpassung an den OP-Situs
- ▶ beim Sterilisieren wird der Schaft in die gerade Ausgangsposition zurückgeführt
- ▶ for an individual adaptation to the operating situs
- ▶ during sterilization the shaft turns back into its initial straight position
- ▶ para una adaptación individual al sito operatorio
- ▶ durante la esterilización el vástago vuelve a su posición recta inicial
- ▶ pour une adaptation individuelle au site opératoire
- ▶ le tige reprend sa position initiale lors de la stérilisation
- ▶ per un'adattazione individuale al sito operatorio
- ▶ durante il processo di sterilizzazione l'asta viene ricondotta nella posizione iniziale

**Yasargil**

biegbar
malleable
maleables
malleables
malleabili

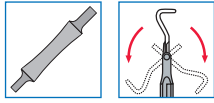


Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme (siehe Seite 221)
 Accessories for all clip applying forceps with rotatable clip application (see page 221)
 Accesorios para todas las pinzas aplicadoras con acogida giratoria (véase página 221)
 Accessoires pour toutes les pincés à appliquer les clips avec prise pivotante (voir page 221)
 Accessori per tutti i posacclip con presa girevole (vedi pagina 221)

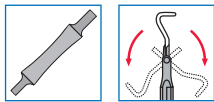


Anlegezangen (biegsam) mit Memory-Effekt
Applying Forceps (flexible) with Memory Effect
Pinzas para aplicar (flexible) con efecto de memoria
Pinces à appliquer (flexible) avec effet de mémoire
Pinze per applicare (flessibili) con effetto di memoria

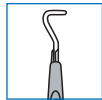
B08



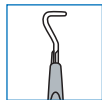
	STANDARD
TITANIUM	PHYNOX
a = 9 cm – 3½" 58.58.01	a = 9 cm – 3½" 58.58.02
a = 11 cm – 4¾" 58.58.03	a = 11 cm – 4¾" 58.58.04



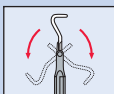
	MINI
TITANIUM	PHYNOX
a = 9 cm – 3½" 58.60.41	a = 9 cm – 3½" 58.60.42
a = 11 cm – 4¾" 58.60.43	a = 11 cm – 4¾" 58.60.44



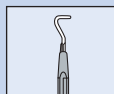
	STANDARD
TITANIUM	PHYNOX
a = 9 cm – 3½" 58.60.31	a = 9 cm – 3½" 58.60.32
a = 11 cm – 4¾" 58.60.33	a = 11 cm – 4¾" 58.60.34



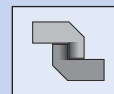
	MINI
TITANIUM	PHYNOX
a = 9 cm – 3½" 58.60.51	a = 9 cm – 3½" 58.60.52
a = 11 cm – 4¾" 58.60.53	a = 11 cm – 4¾" 58.60.54



Maul mit drehbarer Clip-Aufnahme
 Rotatable jaw for clip application
 Boca con acogida giratoria para clips
 Mors avec prise pivotante pour clips
 Morso da presa girevole per clip



Maul mit starrer Clip-Aufnahme
 Rigid jaw for clip application
 Boca con acogida rígida para clips
 Mors avec prise rigide pour clips
 Morso da presa rigido per clip



mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera

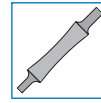
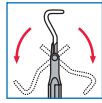


Anlegezangen
Applying Forceps
Pinzas para aplicar
Pinces à appliquer
Pinze per applicare

B08



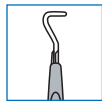
Yasargil



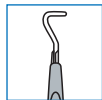
PHYNOX
18 cm - 7 1/8" **58.54.36**



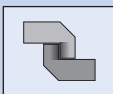
Yasargil



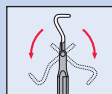
PHYNOX
18 cm - 7 1/8" **58.54.96**



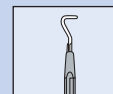
PHYNOX
18 cm - 7 1/8" **58.56.96**



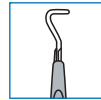
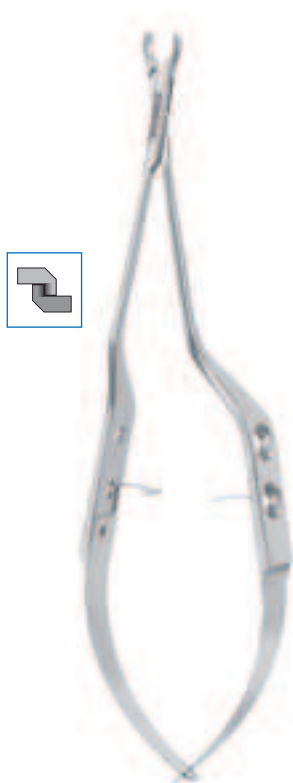
mit Sperre
with catch
con cremallera
avec crémaillère
con cremagliera



Maul mit drehbarer Clip-Aufnahme
Rotatable jaw for clip application
Boca con acogida giratoria para clips
Mors avec prise pivotante pour clips
Morso da presa girevole per clip

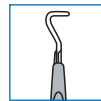


Maul mit starrer Clip-Aufnahme
Rigid jaw for clip application
Boca con acogida rígida para clips
Mors avec prise rigide pour clips
Morso da presa rigido per clip



STANDARD

PHYNOX	
17 cm – 6¾"	58.54.97
21 cm – 8¼"	58.54.98
23 cm – 9"	58.54.99

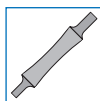


MINI

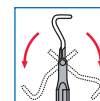
PHYNOX	
17 cm – 6¾"	58.56.97
21 cm – 8¼"	58.56.98
23 cm – 9"	58.56.99

Yasargil

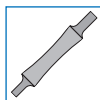
doppelt übersetzt
double action
doble acción
à double articulation
doppia articolazione



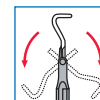
STANDARD



TITANIUM	
21 cm – 8¼"	58.58.98
23 cm – 9"	58.58.99



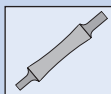
MINI



TITANIUM	
21 cm – 8¼"	58.61.98
23 cm – 9"	58.61.99



Yasargil



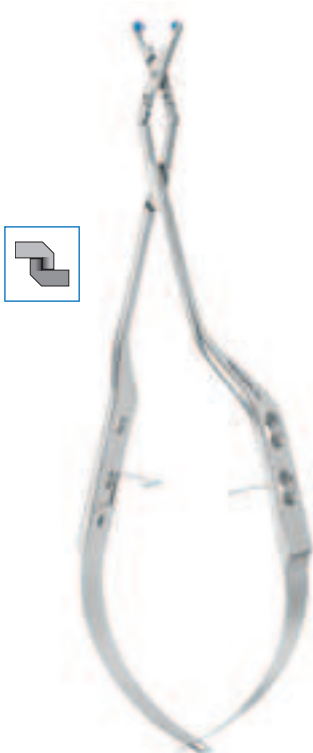
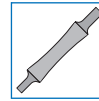
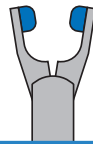
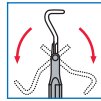
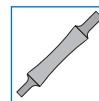
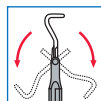
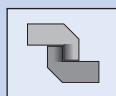
Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme (siehe Seite 221)
Accessories for all clip applying forceps with rotatable clip application (see page 221)
Accesorios para todas las pinzas aplicadoras con acogida giratoria (véase página 221)
Accessoires pour toutes les pinces à appliquer les clips avec prise pivotante (voir page 221)
Accessori per tutti i posacclip con presa girevole (vedi pagina 221)



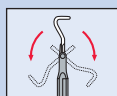
Anlegezangen
Applying Forceps
Pinzas para aplicar
Pinces à appliquer
Pinze per applicare

B08

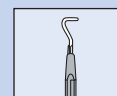
doppelt übersetzt und schwenkbar
 double action and swivelling
 doble acción y giratorio
 à double articulation et pivotant
 doppia articolazione e orientabile

**Yasargil****TITANIUM**21 cm – 8¼" **58.56.91**23 cm – 9" **58.56.92****TITANIUM**21 cm – 8¼" **58.59.98**23 cm – 9" **58.59.99**

mit Sperre
 with catch
 con cremallera
 avec crémaillère
 con cremagliera



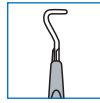
Maul mit drehbarer Clip-Aufnahme
 Rotatable jaw for clip application
 Boca con acogida giratoria para clips
 Mors avec prise pivotante pour clips
 Morso da presa girevole per clip



Maul mit starrer Clip-Aufnahme
 Rigid jaw for clip application
 Boca con acogida rígida para clips
 Mors avec prise rigide pour clips
 Morso da presa rigido per clip

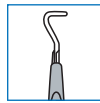


Yasargil



STANDARD

PHYNOX
 21 cm – 8¼" **58.66.03**

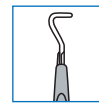


MINI

PHYNOX
 21 cm – 8¼" **58.66.00**



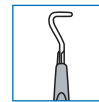
STANDARD



TITANIUM
 21 cm – 8¼" **58.66.09**



MINI

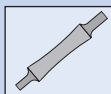


TITANIUM
 21 cm – 8¼" **58.66.06**



Yasargil

doppelt übersetzt
 double action
 doble acción
 à double articulation
 doppia articolazione



Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme (siehe Seite 221)
 Accessories for all clip applying forceps with rotatable clip application (see page 221)
 Accesorios para todas las pinzas aplicadoras con acogida giratoria (véase página 221)
 Accessoires pour toutes les pincas à appliquer les clips avec prise pivotante (voir page 221)
 Accessori per tutti i posacclip con presa girevole (vedi pagina 221)

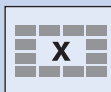
**B08**

Kassette (ohne Clips und Kennzeichnungsschilder)
Tray (without Clips and Identification Labels)
Caja (sin clips y placas de identificación)
Cassette (sans clips et étiquettes d'identification)
Cassetta (senza clip e etichette d'identificazione)

Die farbliche Kennzeichnung unterstützt die schnelle Identifikation und vereinfacht die Zuordnung untereinander.
 The color coding scheme makes rapid identification of the parts very easy and simplifies parts matching.
 La codificación con diferentes colores apoya la identificación y facilita la asignación entre sí.
 Le marquage couleur permet une identification rapide et simplifie la recherche des pièces correspondantes.
 Il codice colore facilita la rapida identificazione e agevola l'assegnazione reciproca.



52,8 × 25,4 × 4,0 cm

**58.60.01****STANDARD****MINI**

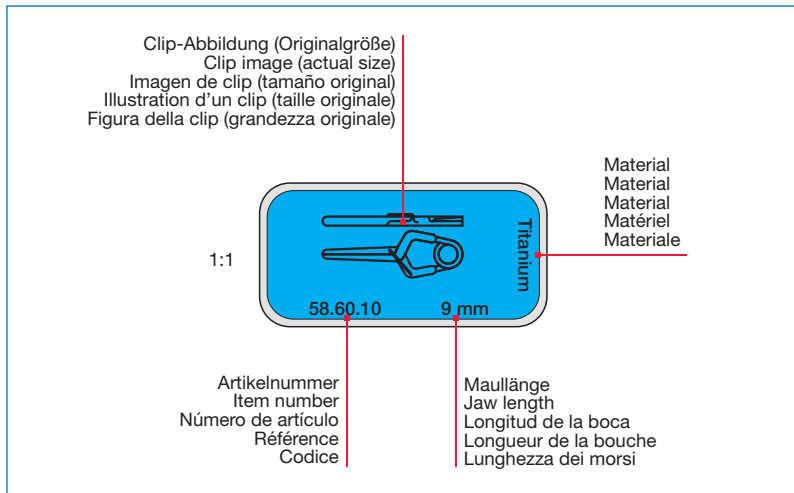
Anzahl der Fächer
 Number of compartments
 Número de compartimentos
 Nombre de compartiments
 Numero dei scompartimenti



Kunststoff (autoklavierbar bis 134 °C bei 3 bar)
 Plastic (autoclavable up to 134 °C at 3 bar)
 Plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
 Plastique (autoclavable à 134 °C sous pression de 3 bars)
 Plastica (autoclavabile fino a 134 °C sotto pressione di 3 bar)

Kennzeichnungsschilder
Identification Labels
Placas de identificación
Etiquettes d'identification
Etichette d'identificazione

B08



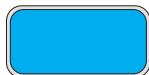
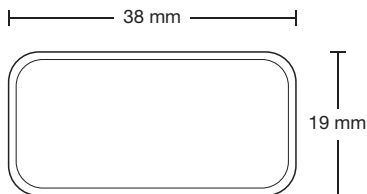
Die Beschriftung der Kennzeichnungsschilder erfolgt separat auf Bestellung!

Identification labels have to be ordered separately!

La inscripción de las placas de identificación se realiza de manera separada por pedido!

Les inscriptions sur les étiquettes sont déterminées séparément, sur commande!

La scritta sulla targhetta identificativa viene eseguita separatamente su ordinazione!



PERMANENT
58.60.02

TEMPORARY
58.60.03



PERMANENT
58.60.04

TEMPORARY
58.60.03




Kunststoff (autoklavierbar bis 134 °C bei 3 bar)
 Plastic (autoclavable up to 134 °C at 3 bar)
 Plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
 Plastique (autoclavable à 134 °C sous pression de 3 bars)
 Plastica (autoclavabile fino a 134 °C sotto pressione di 3 bar)



B08

Kassetten (ohne Clips und Kennzeichnungsschilder)
Trays (without Clips and Identification Labels)
Cajas (sin clips y placas de identificación)
Cassettes (sans clips et étiquettes d'identification)
Cassette (senza clip e etichette d'identificazione)



 66 55,6 × 25,0 × 3,3 cm  **58.60.00**

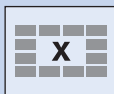
STANDARD
MINI

stapelbar
stackable
apilable
empilable
impilabile



 28 25,0 × 26,0 × 3,3 cm  **58.60.05**

STANDARD
MINI



Anzahl der Fächer
Number of compartments
Número de compartimentos
Nombre de compartiments
Numero dei scompartimenti



Kunststoff (autoklavierbar bis 134 °C bei 3 bar)
Plastic (autoclavable up to 134 °C at 3 bar)
Plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
Plastique (autoclavable à 134 °C sous pression de 3 bars)
Plastica (autoclavabile fino a 134 °C sotto pressione di 3 bar)

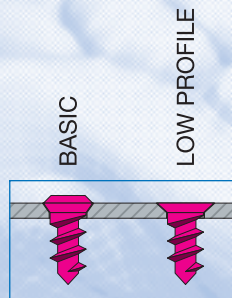
Das 1,5 mm Neuro-Fixationssystem wurde zur Fixierung von kranialen Knochen entwickelt. Das System beinhaltet die Produktlinie "BASIC" und die in Zusammenarbeit mit Dr. David L. Masel, El Paso, Texas (USA) entwickelte Produktlinie "LOW PROFILE".

The 1.5 mm Neuro-fixation system was specially developed for fixation of cranial bone. The system includes the "BASIC" product line and the "LOW PROFILE" product line developed in collaboration with Dr. David L. Masel, El Paso, Texas (USA).

El sistema para neuro-fijación de 1,5 mm se desarrolló especialmente para la fijación de huesos del cráneo. El sistema incluye la línea de productos "BASIC" y la línea de productos "LOW PROFILE" desarrollada con la cooperación del Dr. David L. Masel, El Paso, Texas (USA).

Le système de fixation Neuro 1,5 mm a été spécialement développé pour fixer la os crâniens. Ce système comprend la ligne de produits "BASIC" et la ligne de produits "LOW PROFILE" développée en collaboration avec le Dr. David L. Masel, El Paso, Texas (USA).

Il sistema di neuro-fissaggio da 1,5 mm è stato appositamente sviluppato per il fissaggio dell'osso cranico. Il sistema include la linea di prodotti "BASIC" e la linea di prodotti "LOW PROFILE" sviluppata in collaborazione con il Dr. David L. Masel, El Paso, Texas (USA).



Die sehr flachen Köpfe der "Low Profile"-Schrauben lassen sich komplett in die Platten versenken.

The "Low Profile" screw heads are very flat and can be completely sunk into the plates.

Las cabezas extremadamente planas de los tornillos "Low Profile" pueden embutirse completamente en las placas.

Les têtes de vis très plates "Low Profile" s'enfoncent complètement dans les plaques.

Le teste estremamente piatte delle viti "Low Profile" sono completamente inseribili a scomparsa nelle placche.

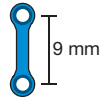
**B09**

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

BASIC
1.5 mm

Titan-Platten
 Titanium plates
 Placas de titanio
 Plaques en titane
 Placche in titanio

"I-Form"
 P



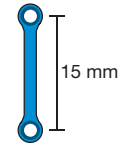
②
68.87.02

 0,6 mm



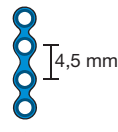
②
68.87.07

 0,6 mm



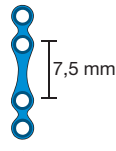
②
68.87.03

 0,6 mm



④
68.87.14

 0,6 mm



④
68.87.34

 0,6 mm



④
68.87.44

 0,6 mm



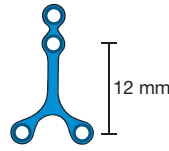
⑥
68.87.46

 0,6 mm



④
68.87.70

 0,6 mm



④
68.87.72

 0,6 mm



⑥
68.87.74

 0,6 mm



⑦
68.87.75

 0,6 mm



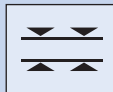
"I-Form"
 P

①6
68.87.59

 0,6 mm



Anzahl der Löcher
 Number of holes
 Número de orificios
 Nombre de trous
 Numero dei fori



Plattenstärke
 Thickness of plates
 Grosor de las placas
 Epaisseur des plaques
 Spessore delle placche



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



BASIC 1.5 mm

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

B09

Titan-Platten
Titanium plates
Placas de titanio
Plaques en titane
Placche in titanio

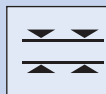
	 (4) 68.87.77 0,6 mm			
"X-Form" 				
	 (4) 68.86.11 0,6 mm	 (4) 68.86.12 0,6 mm	 (6) 68.86.13 0,6 mm	 (8) 68.86.14 0,6 mm
"Multi Grid" 				

Bohrlochabdeckplatten
Burr hole plates
Placas para tapar los orificios perforados
Plaques pour trous de forage
Placche di copertura per fori

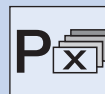
	Ø 13 mm (5) 68.86.60 0,4 mm	Ø 18,5 mm (5) 68.86.61 0,4 mm	Ø 22 mm (6) 68.86.62 0,4 mm	Ø 29 mm (5) 68.86.63 0,4 mm
"Burr Hole" 				



Anzahl der Löcher
Number of holes
Número de orificios
Nombre de trous
Numero dei fori



Plattenstärke
Thickness of plates
Grosor de las placas
Epaisseur des plaques
Spessore delle placche



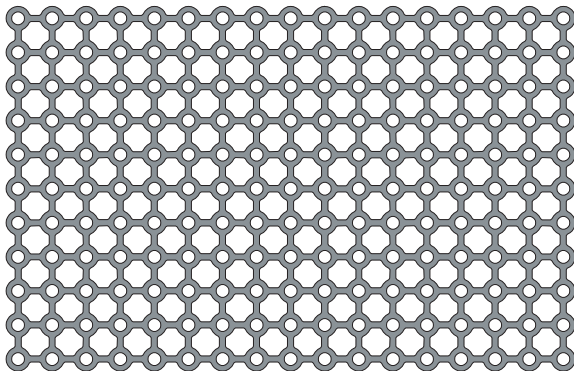
Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi

**B09**

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

BASIC
1.5 mm

Titan-Platten
 Titanium plates
 Placas de titanio
 Plaques en titane
 Placche in titanio



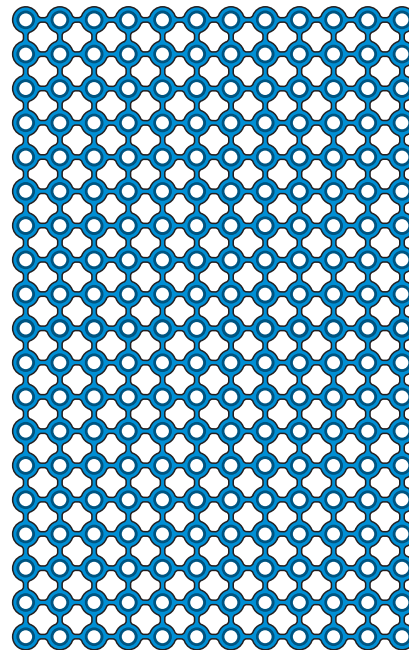
"Multi Grid Mesh"



74 x 50 mm

68.86.88

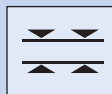
"Multi Grid Mesh"



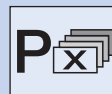
53 x 85 mm

68.86.89

53 x 85 mm

68.86.90

Plattenstärke
 Thickness of plates
 Grosor de las placas
 Epaisseur des plaques
 Spessore delle placche



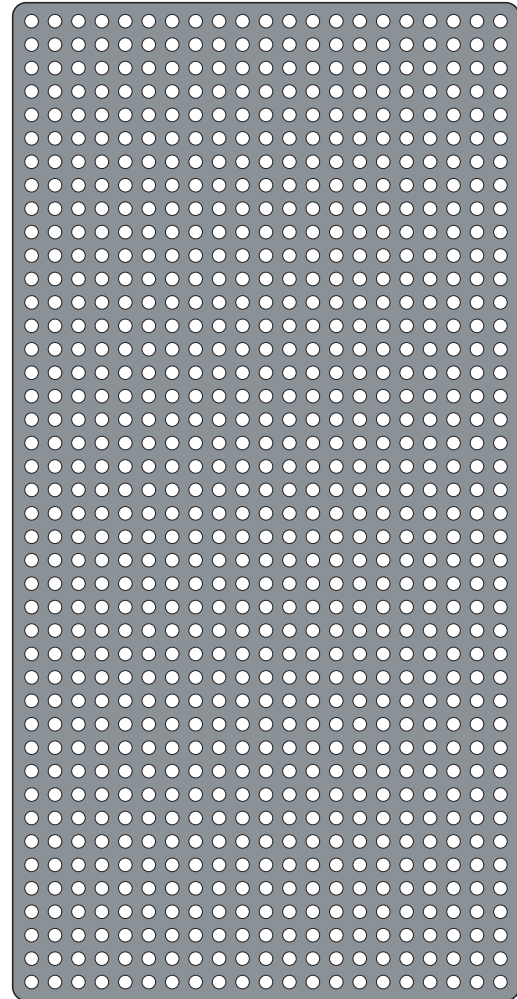
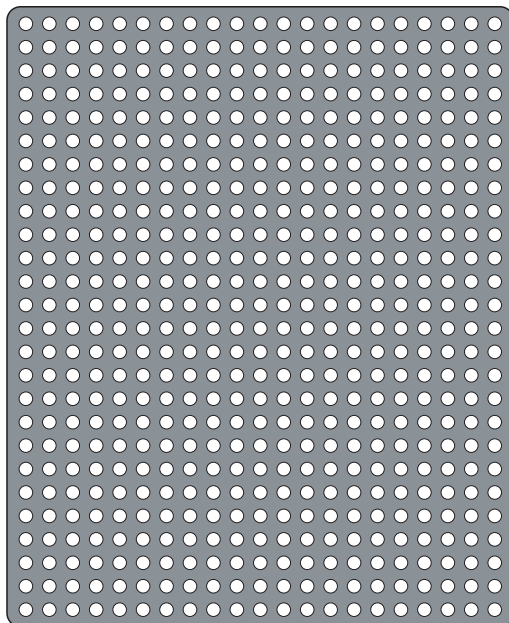
Verpackungseinheit "X" Stück
 Packing unit "X" pieces
 Paquete de "X" unidades
 Emballage de "X" pièces
 Confezione da "X" pezzi

BASIC
1.5 mm

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

B09

Titan-Platten
Titanium plates
Placas de titanio
Plaques en titane
Placche in titanio



"Multi Grid Mesh" 	82 × 67 mm	82 × 67 mm
	68.86.91	68.86.92

"Multi Grid Mesh" 	132 × 67 mm	132 × 67 mm
	68.86.93	68.86.94



Plattenstärke
Thickness of plates
Grosor de las placas
Epaisseur des plaques
Spessore delle placche



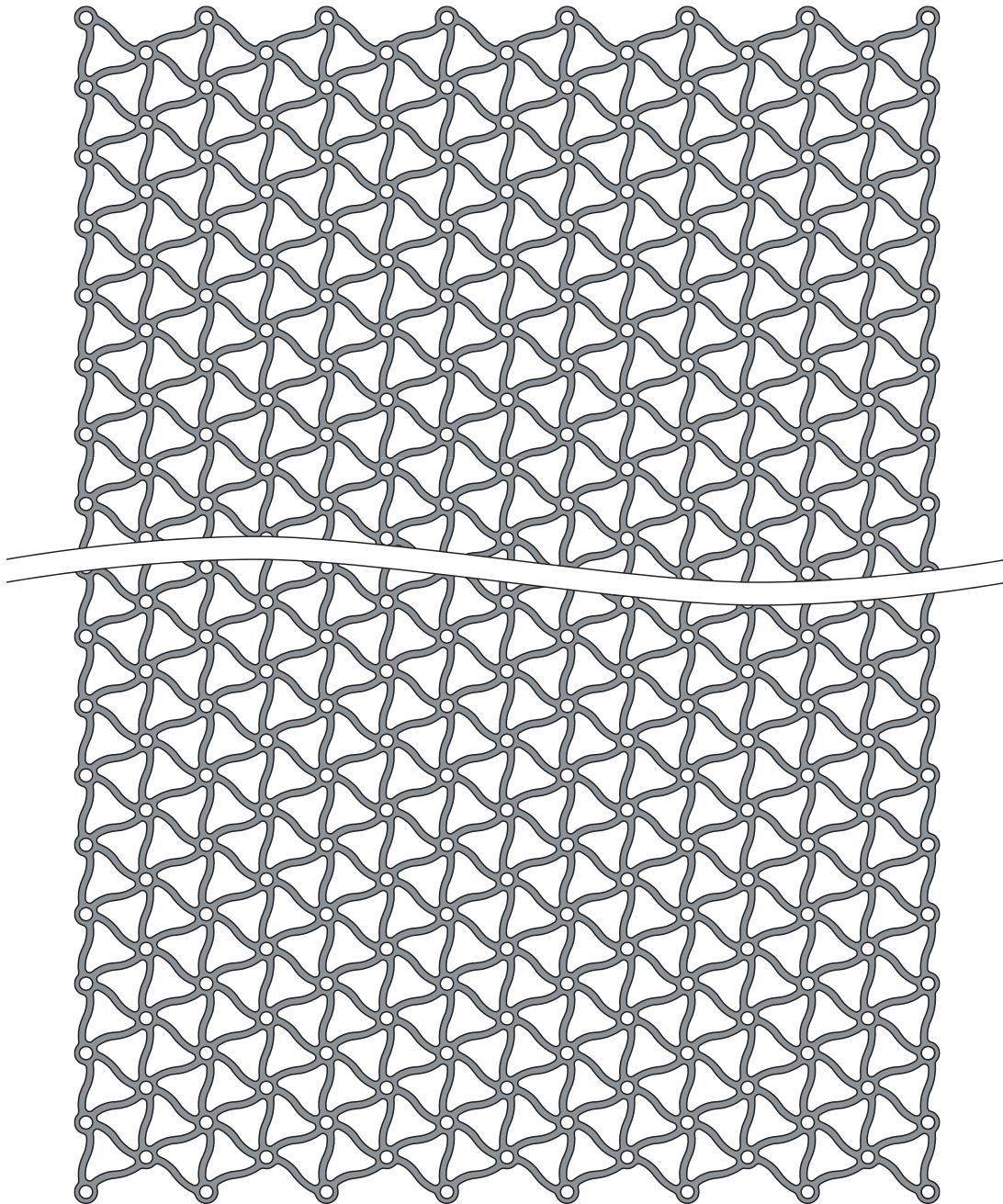
Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi







Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio


B09

BASIC
1.5 mm



"Mesh" 	125 x 203 mm	125 x 203 mm
	68.87.00	68.87.01
	 0.4 mm	 0.6 mm

 Plattenstärke
 Thickness of plates
 Grosor de las placas
 Epaisseur des plaques
 Spessore delle placche

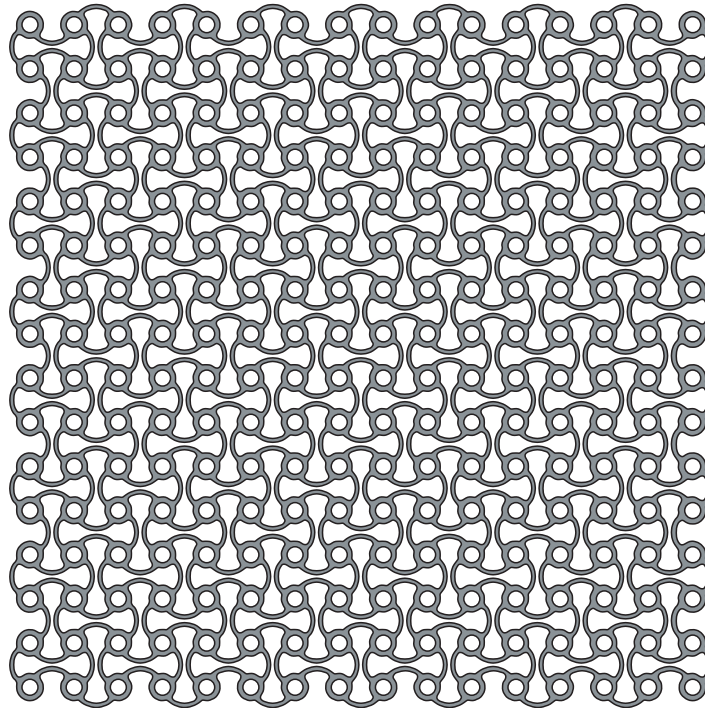
 Verpackungseinheit "X" Stück
 Packing unit "X" pieces
 Paquete de "X" unidades
 Emballage de "X" pièces
 Confezione da "X" pezzi

BASIC 1.5 mm

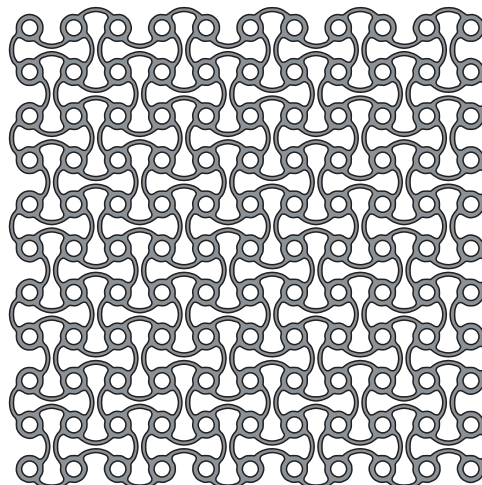
Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

B09

Titan-Platten
 Titanium plates
 Placas de titanio
 Plaques en titane
 Placche in titanio



"Mesh" 	90 × 90 mm 68.87.27 0,4 mm	90 × 90 mm 68.87.28 0,6 mm
------------	---	---



"Mesh" 	61 × 61 mm 68.87.29 0,4 mm	61 × 61 mm 68.87.30 0,6 mm
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Plattenstärke
 Thickness of plates
 Grosor de las placas
 Epaisseur des plaques
 Spessore delle placche

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

**B09**

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

BASIC
1.5 mm

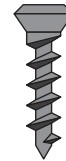
Titan-Schrauben
 Titanium screws
 Tornillos de titanio
 Vis en titane
 Viti in titanio



10 Schrauben im Magazin (nicht steril)
 10 screws in storage tray (non-sterile)
 10 tornillos en cartucho (no estéril)
 10 vis en cartouche (non stériles)
 10 viti nella cartuccia (non sterile)



Self-drilling



Self-tapping



Emergency screw

a	Ø 1,5 mm	Ø 1,5 mm	Ø 1,9 mm
3,5 mm	68.83.73A	68.83.53A	
4,0 mm	68.83.74A	68.83.54A	68.83.84A
5,0 mm	68.83.75A	68.83.55A	
6,0 mm			68.83.86A

a	Ø 1,5 mm	Ø 1,5 mm	Ø 1,9 mm
3,5 mm		68.83.03A	
4,0 mm		68.83.04A	68.83.34A
5,0 mm		68.83.05A	
6,0 mm			68.83.36A

a	Ø 1,5 mm	Ø 1,5 mm	Ø 1,9 mm
3,5 mm	68.85.83A	68.85.43A	
4,0 mm	68.85.84A	68.85.44A	68.85.64A
5,0 mm	68.85.85A	68.85.45A	
6,0 mm			68.85.66A

a	Ø 1,5 mm	Ø 1,5 mm	Ø 1,9 mm
3,5 mm	68.85.73A	68.85.03A	
4,0 mm	68.85.74A	68.85.04A	68.85.24A
5,0 mm	68.85.75A	68.85.05A	
6,0 mm			68.85.26A

**“EASY GRIP”**

Schraubenkopf mit konischem Innenvierkant
 Screw head with tapered inside square
 Tornillo de cabeza con cuadrado interior cónico
 Tête de vis avec quatre-pans intérieur conique
 Testa della vite con quadrangolo interno conico

**“MASTER GRIP”**

Schraubenkopf mit einem Schlitz
 Screw head with slot
 Tornillo de cabeza ranurada
 Tête de vis avec fente
 Testa della vite ad intaglio

**“POWER GRIP”**

Schraubenkopf mit kreuzförmigem Schlitz
 Screw head with cross slot
 Tornillo de cabeza ranurada en cruz
 Tête de vis avec fente cruciforme
 Testa della vite a croce

**“STAR GRIP”**

Schraubenkopf mit sternförmigem Schlitz
 Screw head with star slot
 Tornillo de cabeza ranurada en estrella
 Tête de vis avec fente forme d'étoile
 Testa della vite a stella



SELF-DRILLING

Bei harter Kortikalis oder Fixation kleiner Knochenfragmente wird ein Vorbohren empfohlen.

In case of hard cortical bone substance or fixation of small bone fragments we recommend pre-drilling.

En caso de una cortical muy dura o de la fijación de fragmentos pequeños recomendamos la perforación previa.

Pour le cas où la corticale serait trop dure ou pour la fixation de petits fragments osseux, nous recommandons un préforage.

In presenza di una corticale molto dura oppure per la fissazione di piccoli frammenti consigliamo di perforare prima dell'inserimento della vite.



Selbstbohrend
Self-drilling
 Auto perforante
 Auto perforante
 Auto perforante



Selbstschneidend
Self-tapping
 Autoroscante
 Autotaraudeuse
 Autofilettante



Notfallschraube (selbstschneidend)
Emergency screw (self-tapping)
 Tornillo de emergencia (autoroscante)
 Vis d'urgence (autotaraudeuse)
 Vite d'emergenza (autofilettante)

BASIC 1.5 mm

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

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Schraubendrehergriffe
Screwdriver handles
Mangos para atornillador
Manches de tournevis
Manici per cacciavite

Schraubendreherklingen
Screwdriver blades
Hojas para atornillador
Lames de tournevis
Lame per cacciavite



10 cm - 4" **75.23.50**



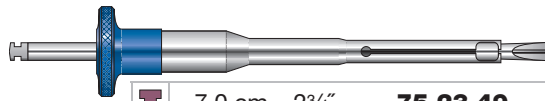
10 cm - 4" **75.23.52**



10 cm - 4" **75.23.78A**



I 5,5 cm - 2 1/8" **75.23.41** 1:1



I 7,0 cm - 2 3/4" **75.23.49** 1:1



mit Greifvorrichtung
with gripping device
con garra
avec préhenseur
con dispositivo da presa



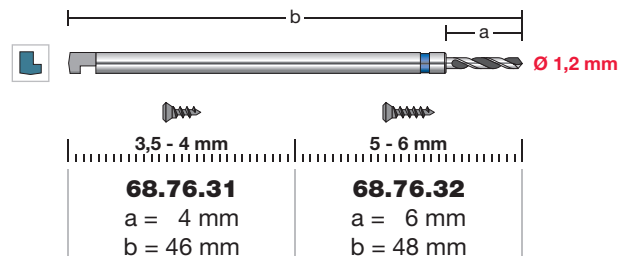
I 5,5 cm - 2 1/8" **75.23.19** 1:1



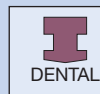
I 5,5 cm - 2 1/8" **75.23.16** 1:1



Spiralbohrer
Twist drills
Brocas espirales
Forets hélicoïdaux
Perforatori elicoidali



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



Ansatz
Shank end
Talón
Embout
Attacco



Ansatz
Shank end
Talón
Embout
Attacco

**B09**

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

LOW PROFILE
1.5 mm

Die 0,4 mm "Low Profile"-Platten ermöglichen eine der Knochenkontur angepaßte Fixierung in kranialen Regionen mit geringer Weichteildecke.

The 0.4 mm "Low Profile" plates allow fixation matched to the bone contour in cranial regions with low soft tissue coverage.

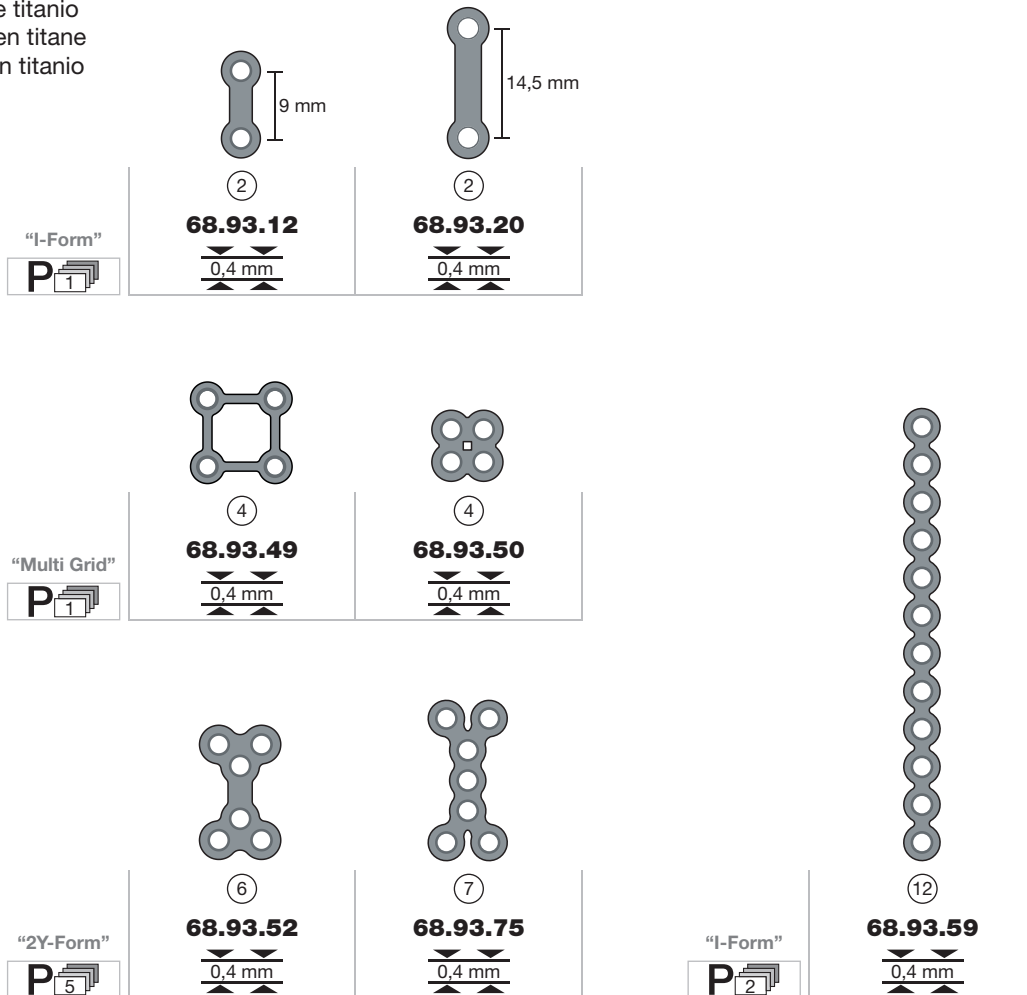
Las placas "Low Profile" de 0,4 mm permiten la fijación adaptada al contorno óseo en las regiones craneales con una capa delgada de partes blandas.

Les plaques "Low Profile" de 0,4 mm permettent une fixation adaptée aux contours osseux dans la zone crânienne, avec une couverture minimale des tissus mous.

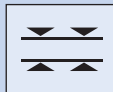
Le placche "Low Profile" da 0,4 mm consentono un fissaggio che si adatta al profilo dell'osso delle regioni craniche con ridotta copertura del tessuto molle.



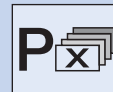
Titan-Platten
 Titanium plates
 Placas de titanio
 Plaques en titane
 Placche in titanio



Anzahl der Löcher
 Number of holes
 Número de orificios
 Nombre de trous
 Numero dei fori



Plattenstärke
 Thickness of plates
 Grosor de las placas
 Epaisseur des plaques
 Spessore delle placche



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



**LOW PROFILE
1.5 mm**

**Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio**

B09



- ▶ Ermöglicht die sichere Liquorpassage eines Katheters
- ▶ Keine scharfen Kanten
- ▶ Kein Einschneiden der Platte notwendig
- ▶ Keine Schwächung der Platte

- ▶ Allows a safe smooth passage of an underlying catheter
- ▶ No sharp edges
- ▶ No cutting of the plate necessary
- ▶ No degradation of the plate

- ▶ Facilita el seguro pasaje del catéter a través del licar
- ▶ Sin bordes cortantes
- ▶ No existe la necesidad de entallar las placas
- ▶ No debilitar las placas

- ▶ Permet un meilleur passage du cathéter dans le liquide cérébro-spinal
- ▶ Pas d'arrête coupante
- ▶ Prédécoupage de la plaque non nécessaire
- ▶ Plaque non fragilisée

- ▶ Permette la sicura circolazione del liquido cerebrospinale
- ▶ Senza bordi taglienti
- ▶ Non è necessario incidere la placca
- ▶ Nessun indebolimento della placca

Bohrlochabdeckplatten
Burr hole plates
Placas para tapar los orificios perforados
Plaques pour trous de forage
Placche di copertura per fori

	Ø 13 mm	Ø 18,5 mm
	(5)	(5)
	68.93.54	68.93.53
	0,4 mm	0,4 mm
	Masel	Masel

	Ø 13 mm	Ø 18,5 mm	Ø 22 mm
	(5)	(5)	(6)
	68.93.60	68.93.51	68.93.62
	0,4 mm	0,4 mm	0,4 mm

(X)
Anzahl der Löcher
Number of holes
Número de orificios
Nombre de trous
Numero dei fori

≡
Plattenstärke
Thickness of plates
Grosor de las placas
Epaisseur des plaques
Spessore delle placche

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

**B09**

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

LOW PROFILE
1.5 mm

Die sehr flachen Köpfe der "Low Profile"-Schrauben lassen sich komplett in die Platten versenken.

The "Low Profile" screw heads are very flat and can be completely sunk into the plates.

Las cabezas extremadamente planas de los tornillos "Low Profile" pueden embutirse completamente en las placas.

Les têtes de vis très plates "Low Profile" s'enfoncent complètement dans les plaques.

Le teste estremamente piatte delle viti "Low Profile" sono completamente inseribili a scomparsa nelle placche.



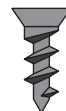
Titan-Schrauben
 Titanium screws
 Tornillos de titanio
 Vis en titane
 Viti in titanio



10 Schrauben im Magazin (nicht steril)
 10 screws in storage tray (non-sterile)
 10 tornillos en cartucho (no estéril)
 10 vis en cartouche (non stériles)
 10 viti nella cartuccia (non sterile)

"EASY GRIP"

Schraubenkopf mit konischem Innenvierkant
 Screw head with tapered inside square
 Tornillo de cabeza con cuadrado interior cónico
 Tête de vis avec quatre-pans intérieur conique
 Testa della vite con quadrangolo interno conico



Self-tapping



Emergency screw

a	Ø 1,5 mm	Ø 1,9 mm
4,0 mm	68.93.00A	68.93.05A

"POWER GRIP"

Schraubenkopf mit kreuzförmigem Schlitz
 Screw head with cross slot
 Tornillo de cabeza ranurada en cruz
 Tête de vis avec fente cruciforme
 Testa della vite a croce



Self-drilling



Emergency screw

a	Ø 1,5 mm	Ø 1,9 mm
3,5 mm	68.93.23A	
4,0 mm	68.93.24A	68.93.34A



SELF-DRILLING

Bei harter Kortikalis oder Fixation kleiner Knochenfragmente wird ein Vorbohren empfohlen.
 In case of hard cortical bone substance or fixation of small bone fragments we recommend pre-drilling.
 En caso de una cortical muy dura o de la fijación de fragmentos pequeños recomendamos la perforación previa.
 Pour le cas où la corticale serait trop dure ou pour la fixation de petits fragments osseux, nous recommandons un préforage.
 In presenza di una corticale molto dura oppure per la fissazione di piccoli frammenti consigliamo di perforare prima dell'inserimento della vite.



Selbstbohrend
Self-drilling
 Auto perforante
 Auto perforante
 Auto perforante



Selbstschneidend
Self-tapping
 Autoroscante
 Autotaraudeuse
 Autofilettante



Notfallschraube (selbstschneidend)
Emergency screw (self-tapping)
 Tornillo de emergencia (autoroscante)
 Vis d'urgence (autotaraudeuse)
 Vite d'emergenza (autofilettante)

LOW PROFILE 1.5 mm

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

B09

Schraubendrehergriffe
Screwdriver handles
Mangos para atornillador
Manches de tournevis
Manici per cacciavite

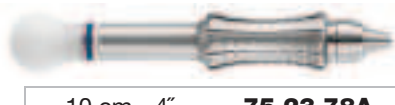
Schraubendreherklingen
Screwdriver blades
Hojas para atornillador
Lames de tournevis
Lame per cacciavite



10 cm - 4" **75.23.50**



10 cm - 4" **75.23.52**



10 cm - 4" **75.23.78A**



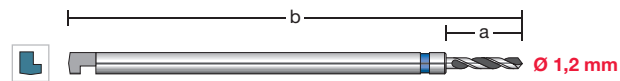
I 5,5 cm - 2 1/8" **75.23.41** 1:1



I 5,5 cm - 2 1/8" **75.23.19** 1:1



Spiralbohrer
Twist drill
Broca espiral
Foret hélicoïdal
Perforatore elicoidale



3,5 - 4 mm
68.76.31
a = 4 mm
b = 46 mm



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



Ansatz
Shank end
Talón
Embout
Attacco



Ansatz
Shank end
Talón
Embout
Attacco

**B09**

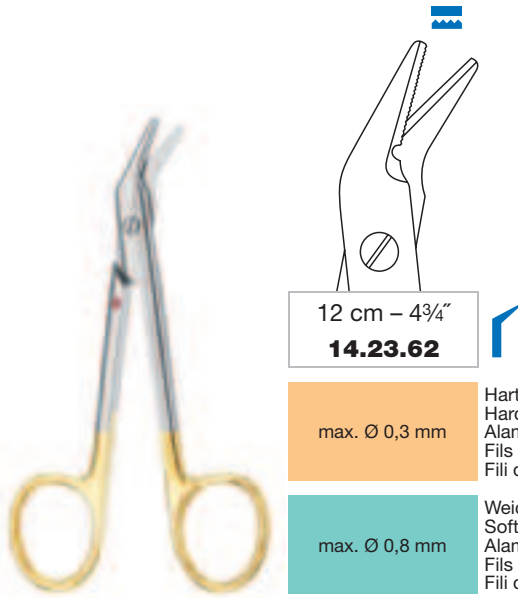
Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

Draht- und Mesh-Plattenschere
 Wire and Mesh plate cutting scissors
 Tijera para cortar alambre y placas Mesh
 Ciseaux coupe-fil et coupe-plaques Mesh
 Forbice per fili d'acciaio e placche Mesh



12 cm - 4¾"
14.26.72

"HM"



12 cm - 4¾"
14.23.62

max. Ø 0,3 mm

Harte Drähte
 Hard wires
 Alambres duros
 Fils durs
 Fili duri

max. Ø 0,8 mm

Weiche Drähte
 Soft wires
 Alambres blandos
 Fils mous
 Fili dolci

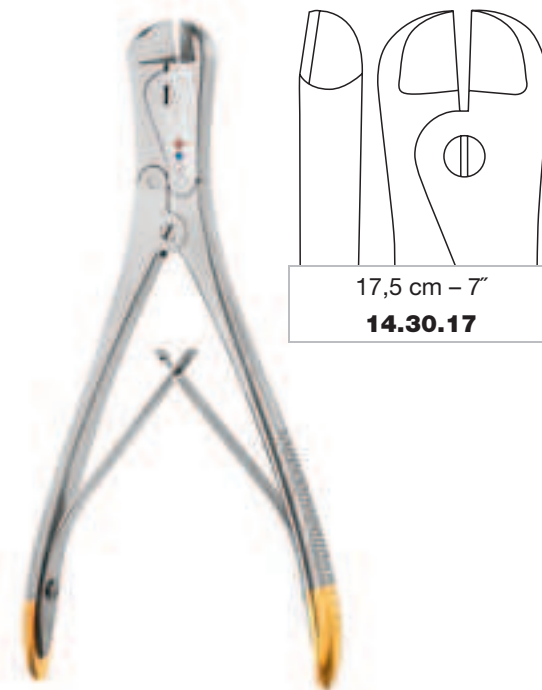
Universal "HM"

Draht- und Plattenschneidezangen
 Wire and plate cutting pliers
 Alicates para cortar alambre y placas
 Pincés coupe-fils et coupe-plaques
 Pinze per tagliare fili e placche



13 cm - 5½"
14.30.13

"HM"



17,5 cm - 7"
14.30.17

"HM"

"HM"

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



seitwärts gewinkelt
 angled to side
 acodadas hacia et lado
 coudés latéralement
 angolata lateralment



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

Plattenbiegeezangen
 Plate bending pliers
 Pinzas para doblar placas
 Pincas pour plier les plaques
 Pinze piegaplacche



13 cm – 5 1/8"
68.76.41

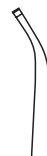


13 cm – 5 1/8"
68.76.52

Schraubenhaltepinzette
 Screw holding forceps
 Pinza de agarre para tornillos
 Pince pour tenir les vis
 Pinza da presa per viti



18 cm – 7 1/8"
68.76.53



13 cm – 5 1/8"
68.76.06



15,5 cm – 6 1/8"
68.76.54

Plattenhaltepinzetten
 Plate holding forceps
 Pinzas de agarre para placas
 Pincas pour tenir les plaques
 Pinze da presa per placche

**B09**

Neuro-Fixationssystem
Neuro-Fixation System
Sistema para neuro-fijación
Système de neuro-fixation
Sistema di neuro-fissaggio

Bohrlochtiefenlehre
 Depth gauge for drill-holes
 Instrumento para medir la profundidad
 Instrument pour mesurer la profondeur
 Strumento per misurare la profondità



20 cm – 8" **68.76.56**

Adaptionsinstrument
 Applying instrument
 Instrumento de adaptación
 Instrument d'adaptation
 Strumento per adattamento



14 cm – 5½" **68.76.44**

Kassette (ohne Implantate, Schrauben und Werkzeuge)
 Tray (without implants, screws and tools)
 Caja (sin implantes, tornillos y sus respectivos instrumentos)
 Cassette (sans implants, vis et outils)
 Cassetta (senza impianti, viti e strumentario)



230 x 235 x 55 mm **69.02.40**

Empfohlene Bestückung
 Recommended set
 Recomendación de equipamiento
 Recommendation d'équipement
 Raccomandazione per la dotazione

14.26.72	Wire and Mesh plate cutting scissors	1x
68.76.31	Twist drill (4/46 mm)	2x
68.76.32	Twist drill (6/48 mm)	2x
68.76.54	Plate holding forceps	1x
75.23.19	Screwdriver blades	2x
75.23.50	Screwdriver handles	2x
	<i>Instrumente, optional Instruments, optional Instrumentos, opcional Instruments, optionnel Strumenti, opzionale</i>	
75.23.16	Screwdriver blades	2x
75.23.41	Screwdriver blades	2x
75.23.49	Screwdriver blades	2x
75.23.52	Screwdriver handles	2x
75.23.78A	Screwdriver handles	2x

Mit Universal-Fächern zur individuellen Bestückung
 With universal compartments for individual equipment
 Con compartimentos universales para una composición individual
 Avec compartiments universels pour équipement individuel
 Con scomparti universali per la dotazione individuale

Sterilgut-Container aus Aluminium
 Aluminium container for sterilization
 Contenedor de aluminio para la esterilización
 Container en aluminium pour la stérilisation
 Contenitore in alluminio per sterilizzazione

silber eloxiert, mit Papierfilter
 silver anodized, with paper filter
 anodizado en plata, con filtro de papel
 couleur argent anodisé, avec filtre de papier
 color argento anodizzato, con filtri di cartace



290 × 290 × 135 mm

49.50.13

Siebkorb
 Wire basket
 Cestilla
 Panier
 Cestello



240 × 255 × 50 mm

49.97.02



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 MEDICONTAINER dans notre prospectus spécial.
 Il nostro programma completo di MEDICONTAINER si trova nel catalogo speciale.



Deckel gelocht
 Lid perforated
 Tapa perforada
 Couvercle perforé
 Coperchio forato





**B09**

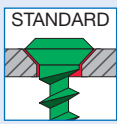
Sets zur Fixierung des kranialen Knochendeckels
Sets for Fixation of Cranial Bone Flap
Juegos para la fijación de la calota craneal
Jeux pour la fixation du couvercle osseux crânien
Set per il fissaggio della calotta cranica

**1.5 MICRO NEURO FLAP SET**

Sterile Verpackung
Sterile packaging
Embalaje estéril
Emballage stérile
Imballaggio sterile



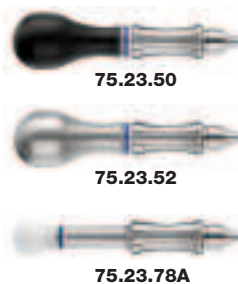
		68.85.98S	68.85.99S
Sets bestehend aus: Sets consisting of: Juegos compuestos por: Jeux composés de: Set composti da:	"POWER GRIP" Ø 1,5 mm Titan-Schrauben mit kreuzförmigem Schlitz (selbstbohrend) Titanium screws with cross slot (self-drilling) Tornillos de titanio ranurada en cruz (autoperforante) Vis en titane avec fente cruciforme (autoperforante) Viti in titanio con intaglio a croce (autoperforante)	 a = 4 mm	 a = 4 mm
	"RIGID" 0,6 mm Titan-Platten zur Fixierung des kranialen Knochendeckels Titanium plates for fixation of cranial bone flap Placas de titanio para la fijación de la calota craneal Plaques en titane pour la fixation du couvercle osseux crânien Placche in titanio per il fissaggio della calotta cranica	 a = 12 mm	 a = 10 mm

"RIGID"

Die vergrößerte Senkbohrung lässt den Schraubenkopf tiefer in die Platte einsinken.
The enlarged lower borehole permits a deeper sinking of the screwhead into the plate.
El hundimiento mayor permite que el tornillo profundiza en la placa.
Le plus gros forage permet à la tête de vis d'être plus profondément insérée dans la plaque.
L'incavo ingrandito permette alla testa della vite di infossarsi più profondamente.

Zubehör (nicht im Set enthalten)
Accessory (not included in set)
Accesorios (no forman parte del set)
Accessoires (non inclus dans le set)
Accessori (non incluso nel set)


Schraubendrehergriffe
Screwdriver handles
Mangos para atornillador
Manches de tournevis
Manici per cacciavite



Spiralbohrer
Twist drill
Broca espiral
Foret hélicoïdal
Perforatore elicoidale

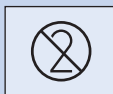
STRYKER  **68.76.31**

Schraubendreherklinge
Screwdriver blade
Hoja para atornillador
Lame de tournevis
Lama per cacciavite

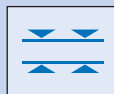
DENTAL  **75.23.19**



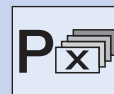
Bei harter Kortikalis oder Fixation kleiner Knochenfragmente wird ein Vorbohren empfohlen.
In case of hard cortical bone substance or fixation of small bone fragments we recommend pre-drilling.
En caso de una cortical muy dura o de la fijación de fragmentos pequeños recomendamos la perforación previa.
Pour le cas où la corticale serait trop dure ou pour la fixation de petits fragments osseux, nous recommandons un préforage.
In presenza di una corticale molto dura oppure per la fissazione di piccoli frammenti consigliamo di perforare prima dell'inserimento della vite.



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



Plattenstärke
Thickness of plates
Grosor de las placas
Épaisseur des plaques
Spessore delle placche

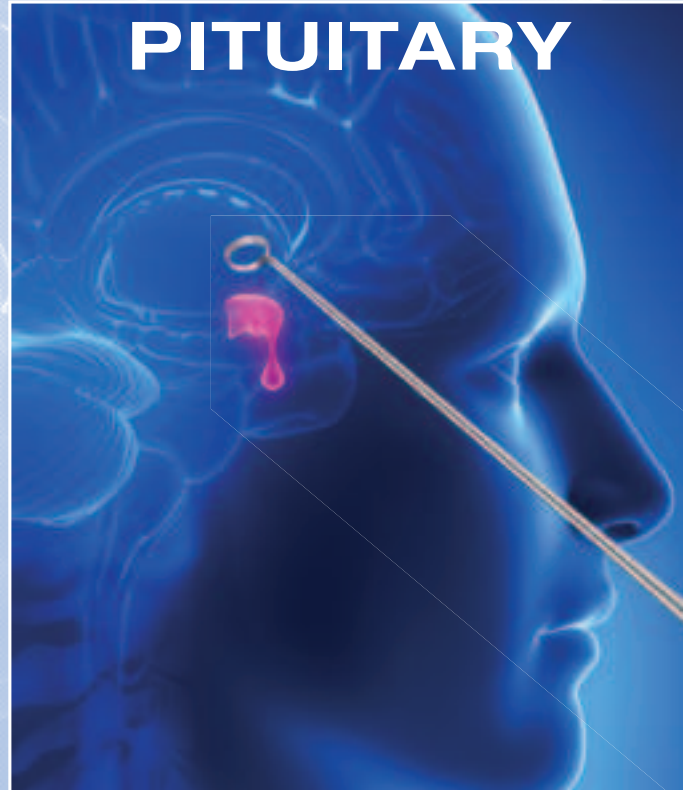


Verpackungseinheit "X" Stück
Packing unit "X" pieces
Paquete de "X" unidades
Emballage de "X" pièces
Confezione da "X" pezzi



Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentos pour l'hypophysectomie
Strumenti per ipofisectomia

B10





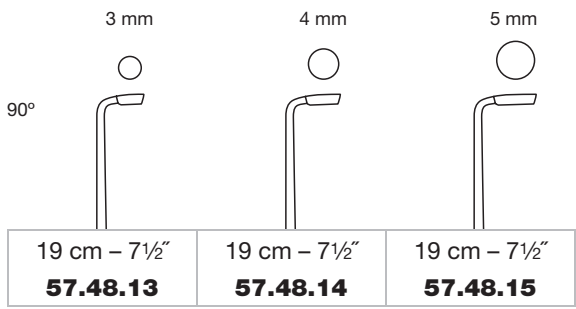
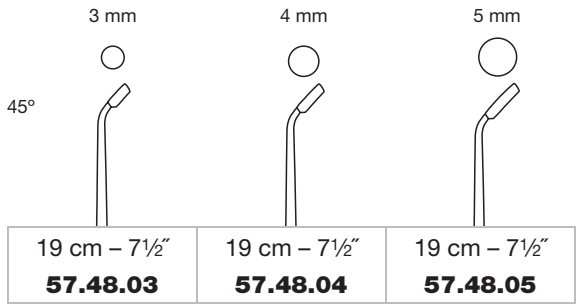
Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentes pour l'hypophysectomie
Strumenti per ipofisectomia

B10

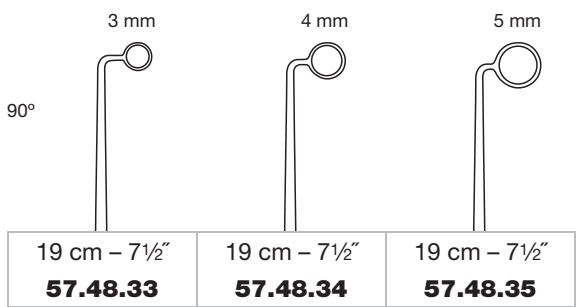
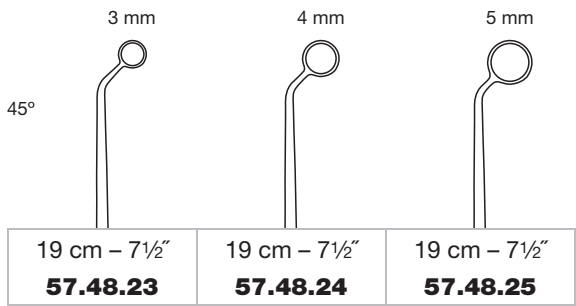
Küretten
 Curettes
 Curetas
 Curettes
 Curette



Ray



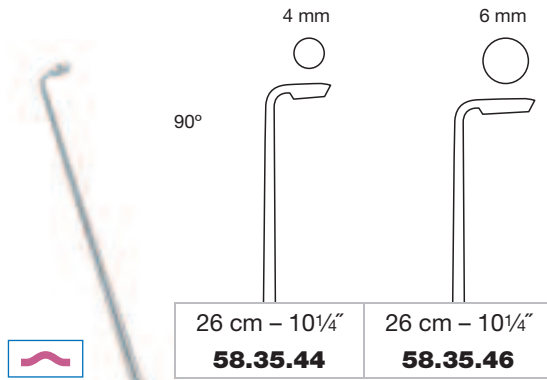
Ray



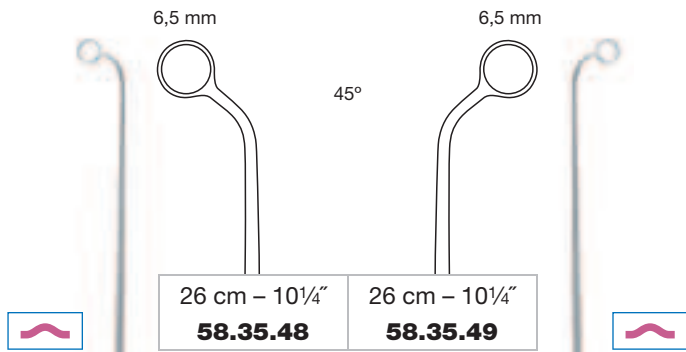
Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumenti per l'ipofisectomia

B10

Küretten
 Currettes
 Curetas
 Curettes
 Curette



Hardy



(L)

(R)



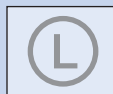
Nicola



Nicola



biegbar
 malleable
 maleables
 malleábiles
 malleabili



links schneidend
 left side cutting
 cortante hacia izquierda
 coupante à gauche
 tagliente a sinistra



rechts schneidend
 right side cutting
 cortante hacia derecha
 coupante à droite
 tagliente a destra

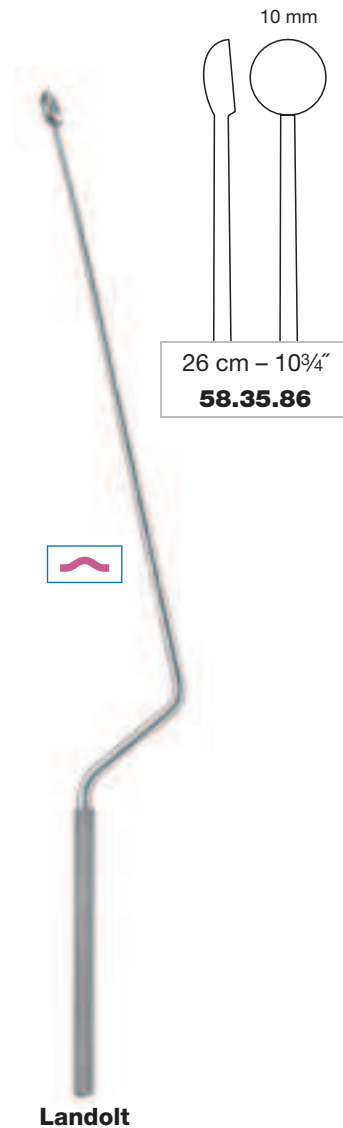
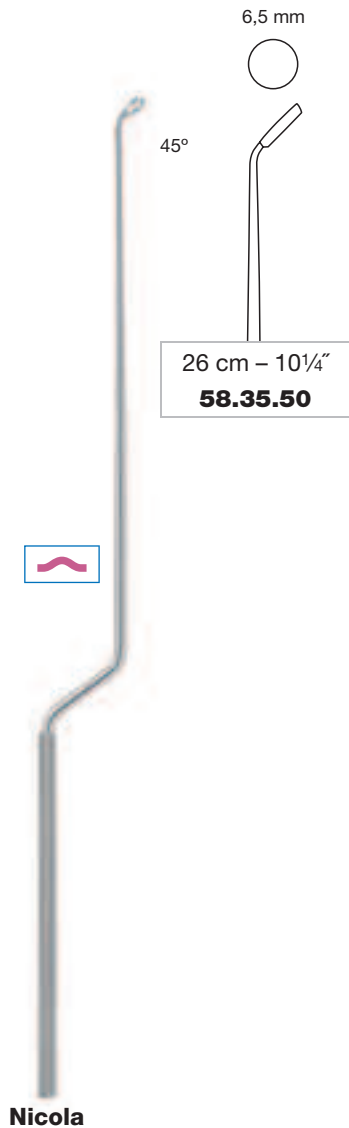


Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentos pour l'hypophysectomie
Strumenti per ipofisectomia

B10

Küretten
 Currettes
 Curetas
 Curettes
 Curette

Löffel
 Curette
 Cucharilla
 Curette
 Cucchiaino



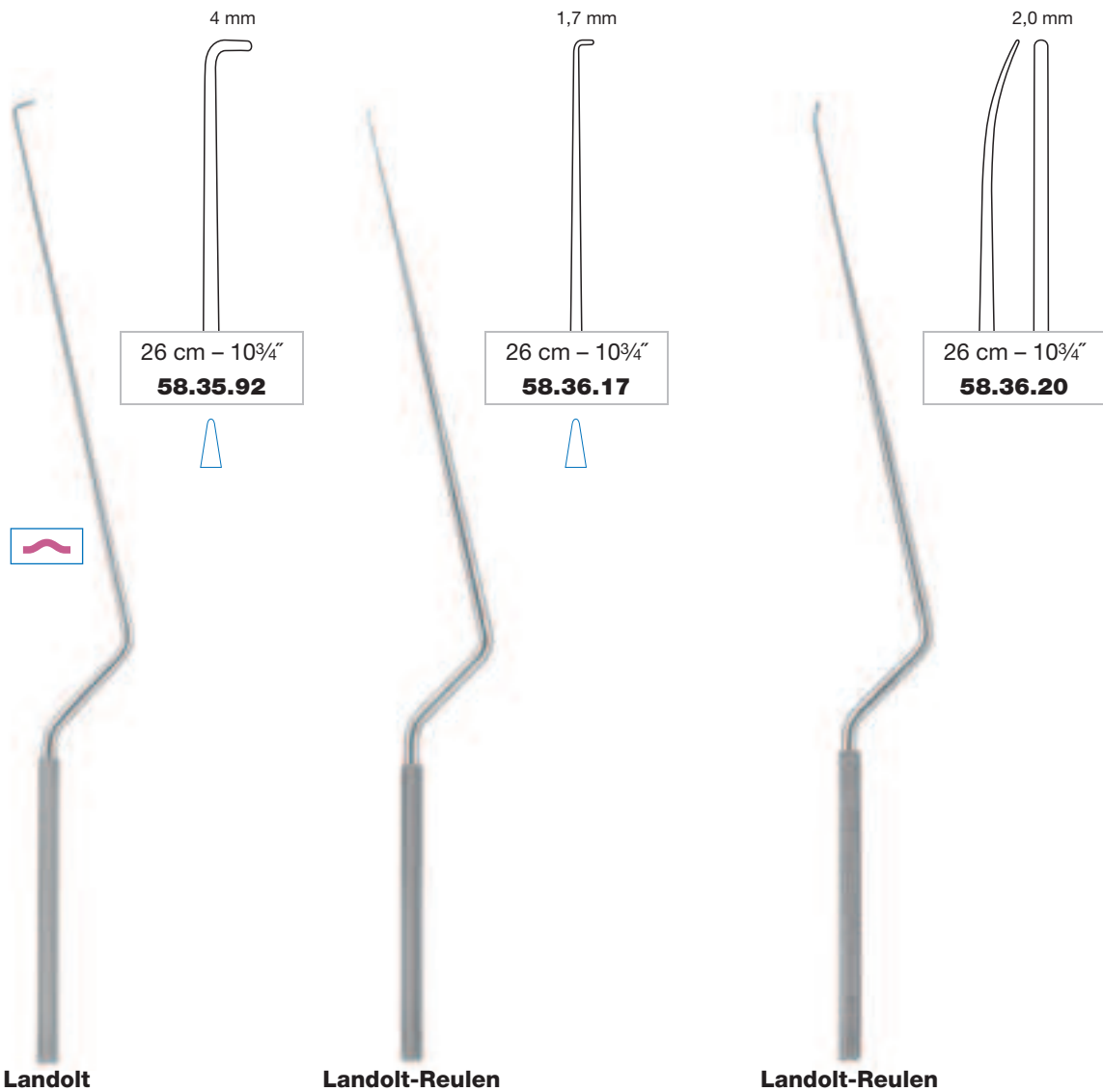
biegbar
 malleable
 maleables
 malléables
 malleabili

Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentos pour l'hypophysectomie
Strumenti per ipofisectomia

B10

Häkchen
 Hooks
 Ganchitos
 Crochets
 Uncini

Dissektor
 Dissector
 Disector
 Dissecteur
 Dissettore



stumpf
 blunt
 romo
 mousse
 smussa



biegbar
 malleable
 maleables
 malleables
 malleabili

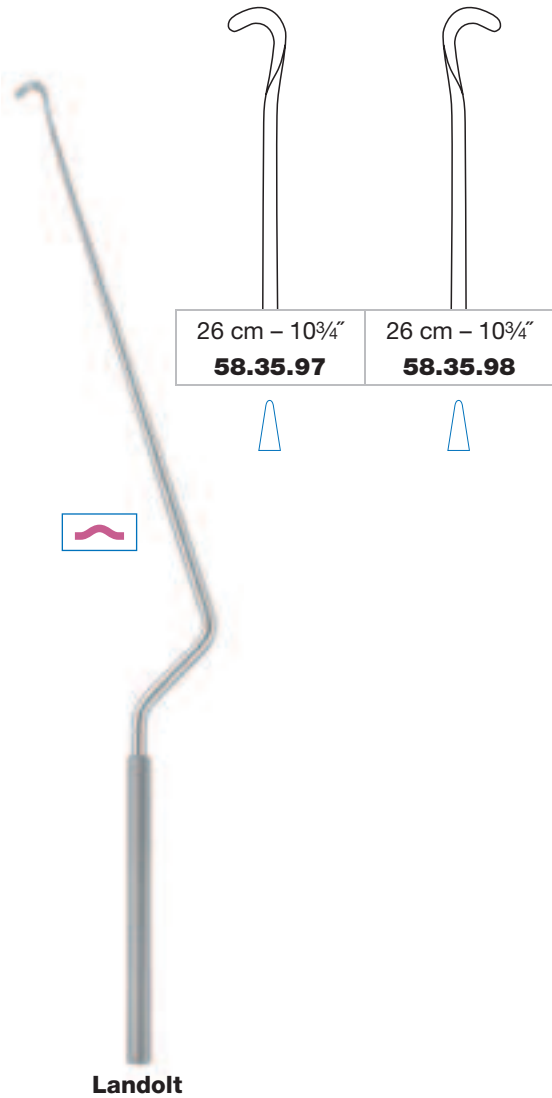


Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentos pour l'hypophysectomie
Strumenti per ipofisectomia

B10

Enukleatoren
 Enucleators
 Enucleadores
 Enucleateurs
 Enucleatori

Raspatorium
 Raspatory
 Legras
 Rugine
 Periostotomo



stumpf
 blunt
 romo
 mousse
 smussa

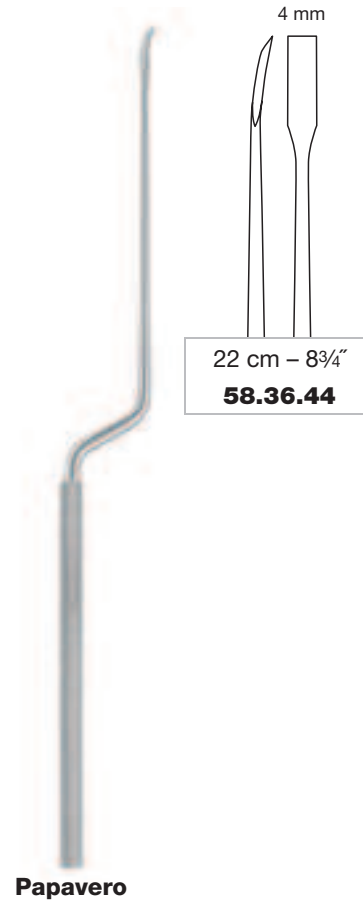


biegbar
 malleable
 maleables
 malleables
 malleabili

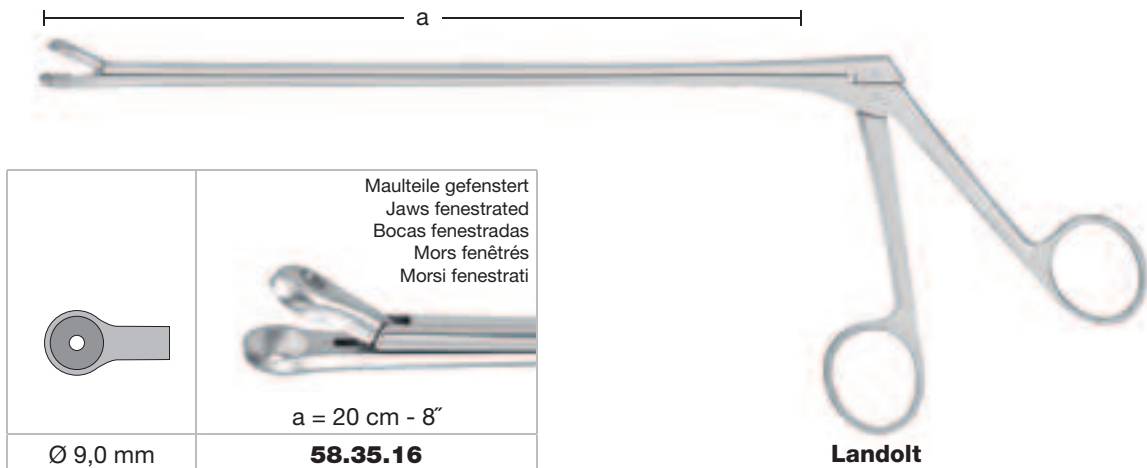
Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentos pour l'hypophysectomie
Strumenti per ipofisectomia

B10

Meißel für die Lamina
 Lamina chisel
 Cincel para lámina
 Ciseau burin pour les lames
 Scalpello per lamina



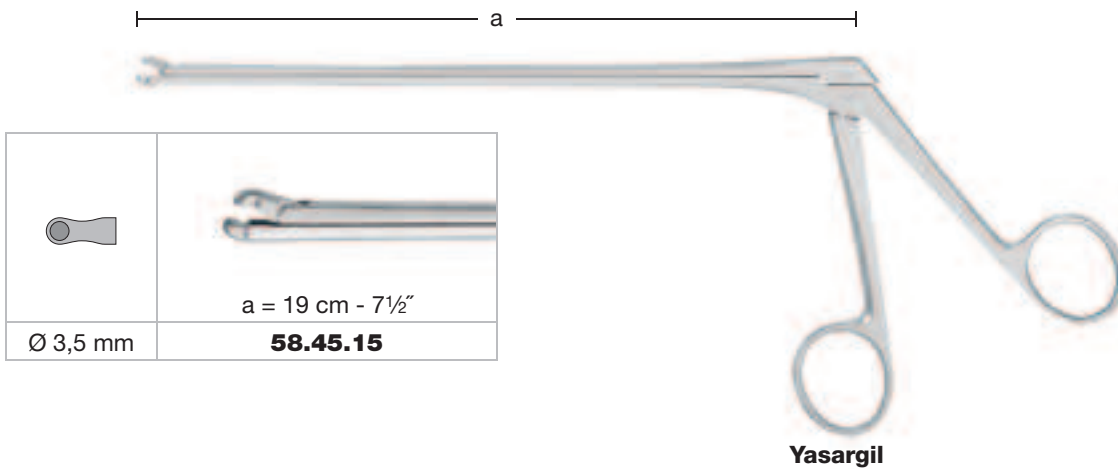
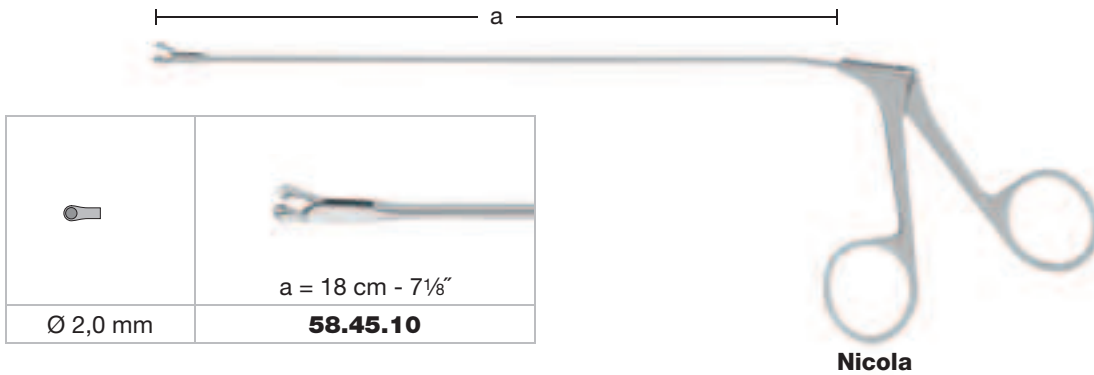
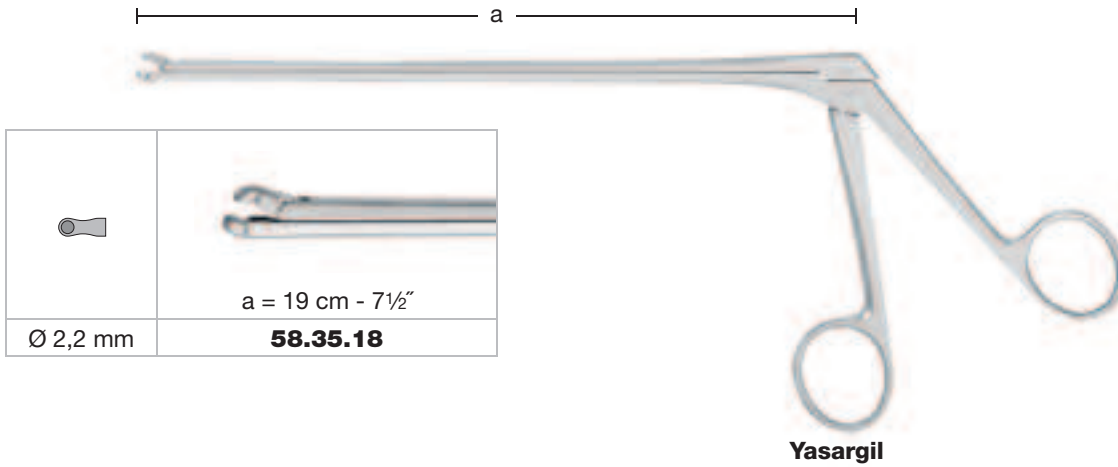
Tumorfasszange
 Tumor grasping forceps
 Pinza para agarrar tumores
 Pince à saisir pour tumeurs
 Pinza per afferrare tumori



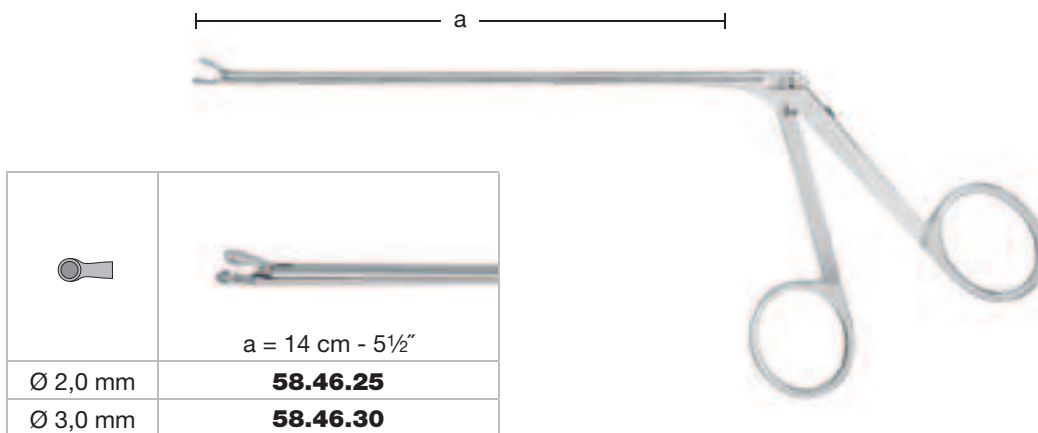
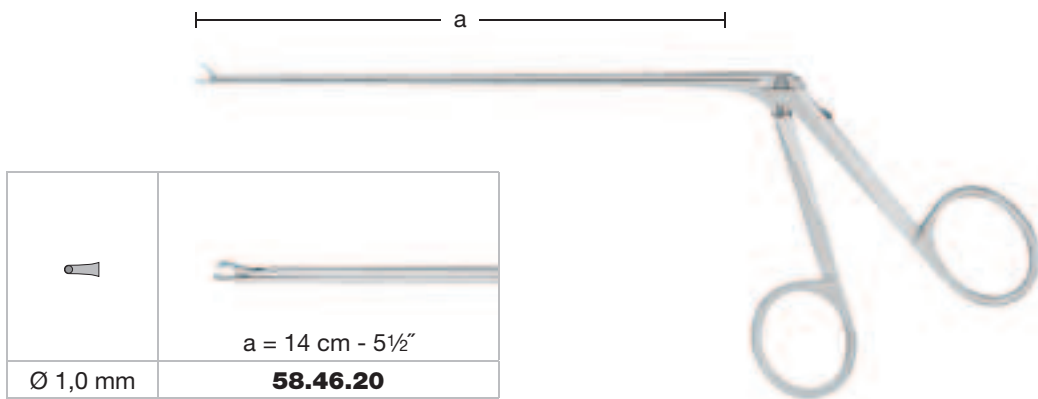
**B10**

Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentos pour l'hypophysectomie
Strumenti per ipofisectomia

Löffelzangen
 Forceps cup jaws
 Pinzas con boca de cucharilla
 Pincers mors cuillère
 Pinze con morso a cucchiaio



Mikro-Löffelzangen
 Micro forceps cup jaws
 Micro pinzas con boca de cucharilla
 Micro pinces mors cuillère
 Micro pinze con morso a cucchiaio

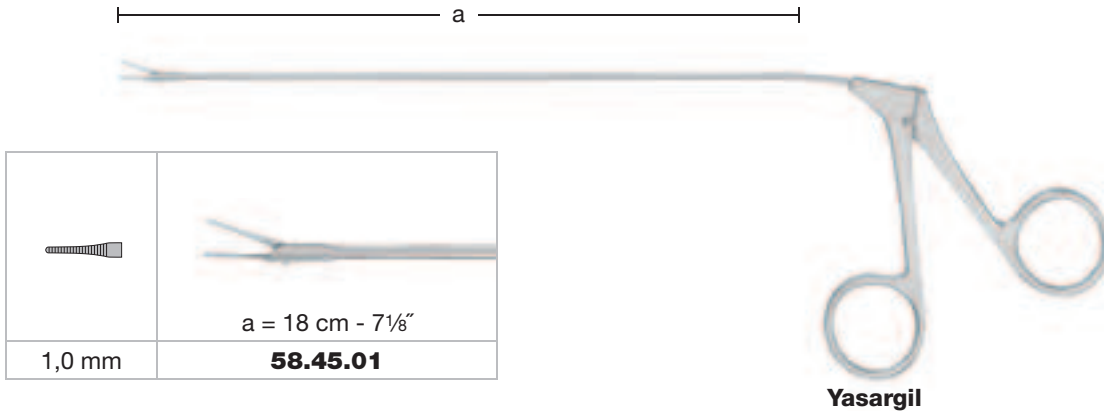




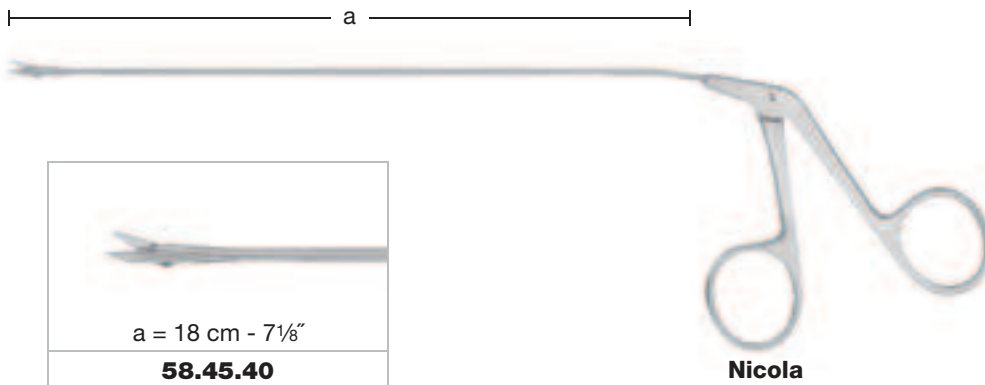
Instrumente für die Hypophysektomie
Instruments for Hypophysectomy
Instrumentos para la hipofisectomía
Instrumentos pour l'hypophysectomie
Strumenti per ipofisectomia

B10

Fasszange
 Grasping forceps
 Pinza para agarrar
 Pince à saisir
 Pinza per afferrare



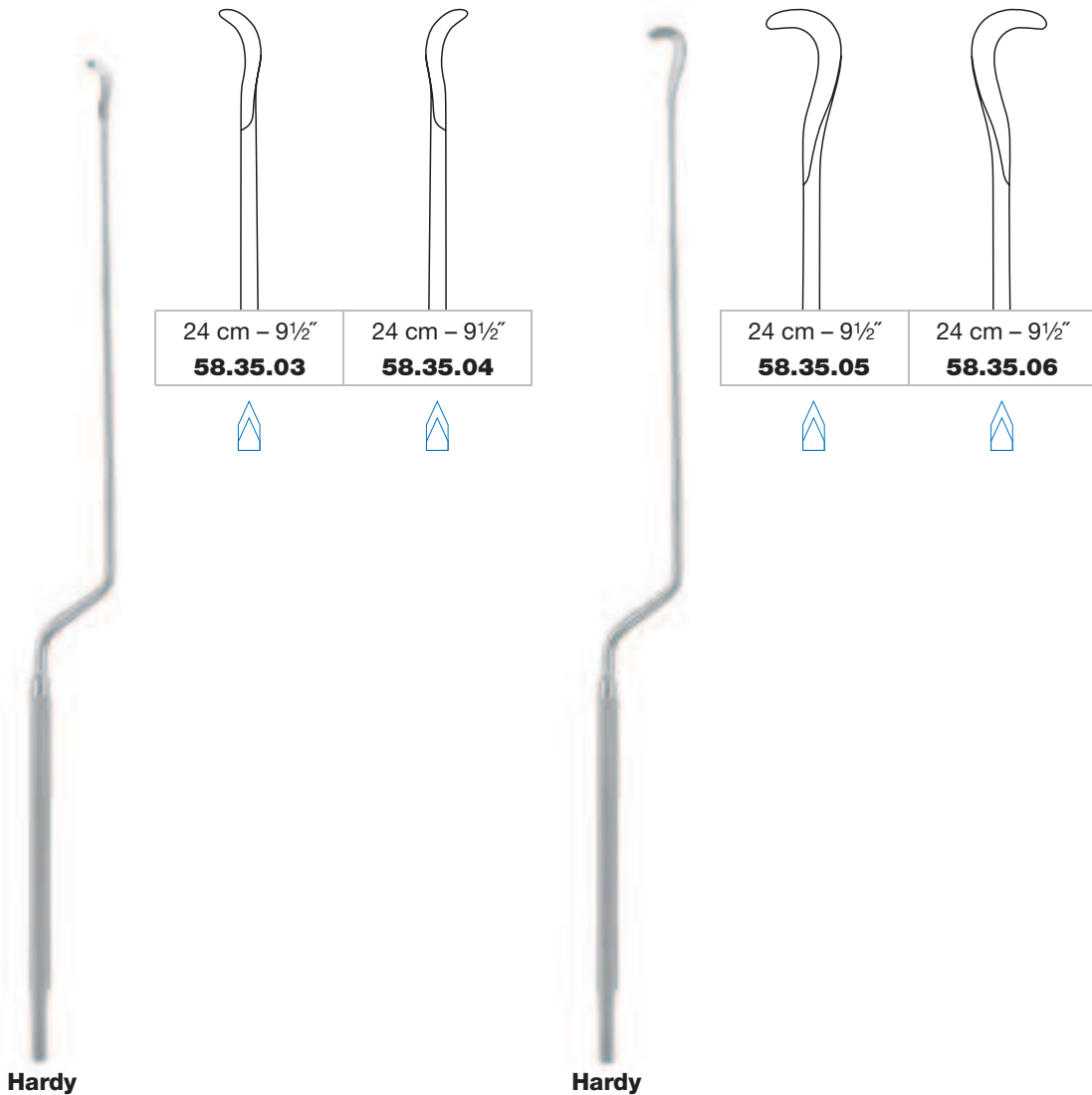
Mikro-Schere
 Micro scissors
 Micro tijera
 Micro ciseaux
 Micro forbice



Instrumente für die transssphenoidale Hypophysektomie
Instruments for Transssphenoidal Hypophysectomy
Instrumentos para la hipofisectomía transesfenoidal
Instrumentos pour l'hypophysectomie transsphénoïdale
Strumenti per ipofisectomia transfenoidale

B10

Dissektoren
 Dissectors
 Disectores
 Dissecteurs
 Dissettori





Instrumente für die transspheoidale Hypophysektomie
Instruments for Transspheoidal Hypophysectomy
Instrumentos para la hipofisectomía transesfenoidal
Instrumentos pour l'hypophysectomie transsphénoïdale
Strumenti per ipofisectomia transfenoidale

B10

Enukleatoren
 Eucleators
 Enucleadores
 Enucléateurs
 Eucleatori

Implantationsgabel
 Implant fork
 Horquilla para implantar
 Fourchette pour implants
 Forchetta per trapianto



Hardy



24 cm – 9½"
58.35.07



24 cm – 9½"
58.35.08



24 cm – 9½"
58.35.19



Hardy

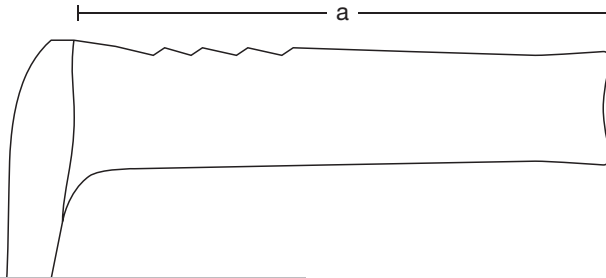


stumpf
 blunt
 romo
 mousse
 smussa

Instrumente für die transssphenoidale Hypophysektomie
Instruments for Transssphenoidal Hypophysectomy
Instrumentos para la hipofisectomía transesfenoidal
Instrumentos pour l'hypophysectomie transsphénoïdale
Strumenti per ipofisectomia transfenoidale

B10

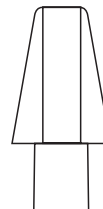
Spekula
 Specula
 Espéculos
 Spéculums
 Specoli



a = 70 mm	58.35.70
a = 90 mm	58.35.90
a = 110 mm	58.35.91

Cushing-Landolt

Spreizzange für Spekula
 Spreading forceps for specula
 Pinza dilatador para espéculos
 Pince écartante pour spéculums
 Pinza divaricatrice per specoli



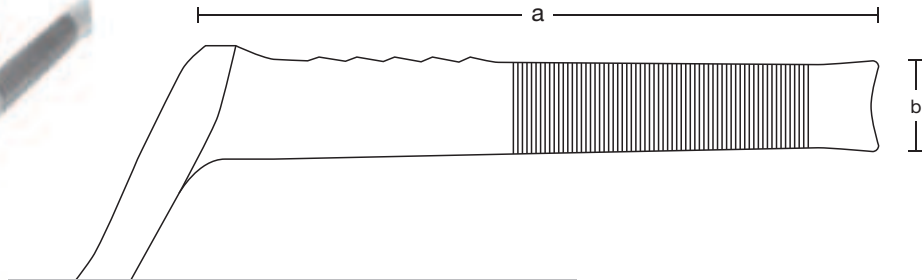
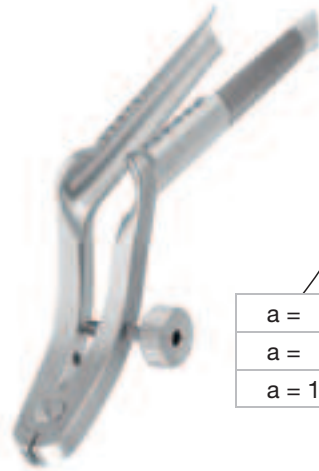
21 cm - 8 1/4"	58.35.99
----------------	-----------------

Landolt

**B10**

Instrumente für die transspheoidale Hypophysektomie
Instruments for Transsphenoidal Hypophysectomy
Instrumentos para la hipofisectomía transesfenoidal
Instruments pour l'hypophysectomie transsphénoïdale
Strumenti per ipofisectomia transfenoidale

Spekula
 Specula
 Espéculos
 Spéculums
 Specoli



a = 80 mm	b = 11 mm	58.36.40
a = 90 mm	b = 13 mm	58.36.41
a = 100 mm	b = 15 mm	58.36.42

Papavero-Caspar

Spreizer für Spekula
 Spreader for specula
 Separador para espéculos
 Ecarteur pour spéculums
 Divaricatore per specoli



14 cm - 5 1/2"
58.36.43

Papavero-Hartmann

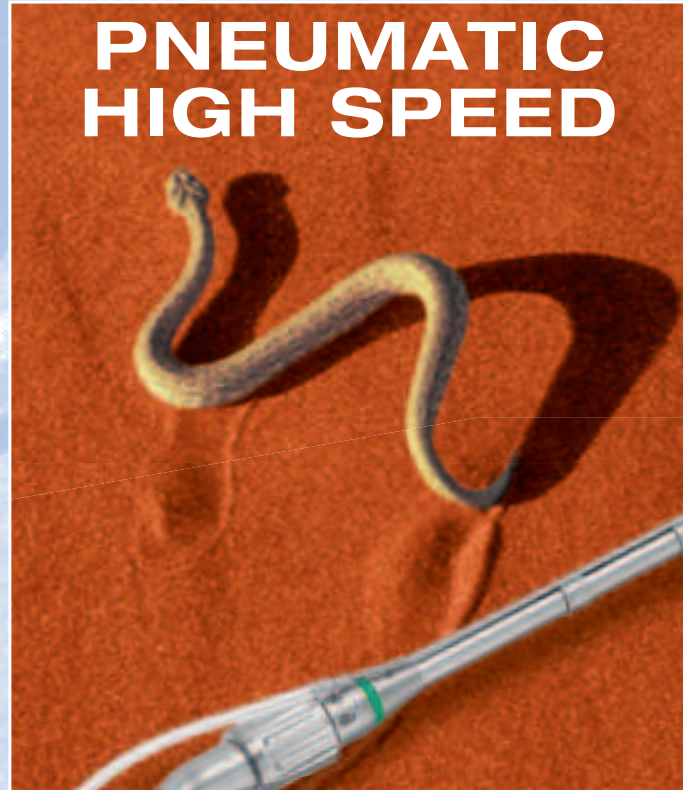
Das Druckluft-Motorensystem "VipAir" von Medicon wurde speziell für das Fräsen und Bohren an Schädel- bzw. Wirbelsäulenknöcheln konzipiert. Das System kombiniert Sicherheit und Präzision in einem ergonomischen Design mit maximaler Leistung bei kleinstmöglicher Bauweise.

The Medicon pneumatic high speed system "VipAir" was specially designed for reaming and drilling procedures at bones of the skull or spine. The system combines safety and precision in an ergonomic design with maximal power in a unit of minimal dimensions.

El sistema de motor neumático "VipAir" de Medicon ha sido concebido específicamente para el fresado y la perforación de huesos del cráneo y de la columna vertebral. El sistema concentra seguridad, precisión y la máxima potencia en un diseño ergonómico y extremadamente compacto.

Le système de moteur pneumatique "VipAir" de Medicon a été spécialement conçu pour le fraisage et le forage des os du crâne et de la colonne vertébrale. Le système allie sécurité, précision et design ergonomique à une performance maximale pour des dimensions aussi compactes que possible.

Il sistema motore pneumatico "VipAir" Medicon è ideato in particolare per fresare e perforare le ossa craniche e della colonna vertebrale. Il sistema combina sicurezza e precisione con un design ergonomico e massime prestazioni, il tutto in una struttura estremamente compatta.



VipAir

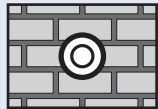
PNEUMATIC HIGH SPEED SYSTEM



B11

Systemübersicht
System Overview
Vista general al sistema
Aperçu du système
Visione generale del sistema

VipAir
 PNEUMATIC HIGH SPEED SYSTEM



Druckluft
 Compressed air
 Aire comprimido
 Air comprimé
 Aria compressa



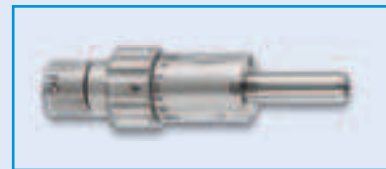
Fußpedal
 Foot switch
 Interruptor a pedal
 Interrupteur à pédale
 Interruttore a pedale



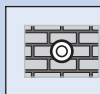
Trepanmotor (siehe Seite 144)
 Trepan motor (see page 144)
 Motor de trépano (véase página 144)
 Moteur à trépan (voir page 144)
 Motore trapano (vedi pagina 144)



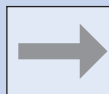
Winkelmotor
 Angled motor
 Motor angulado
 Moteur angulaire
 Motore angolato



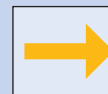
Motor mit INTRA-Kupplung
 Motor with INTRA coupling
 Motor con acoplamiento INTRA
 Moteur avec embrayage INTRA
 Motore con accoppiamento INTRA



Wandanschluss
 Wall connection
 Pared de conexión
 Connexion au mur
 Attacco parete



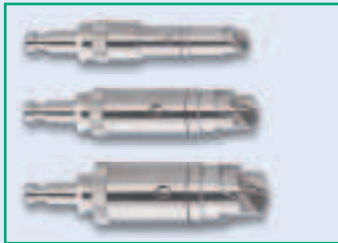
Wandschlauch
 Wall tube
 Tubo mural
 Tuyau mural
 Tubo parete



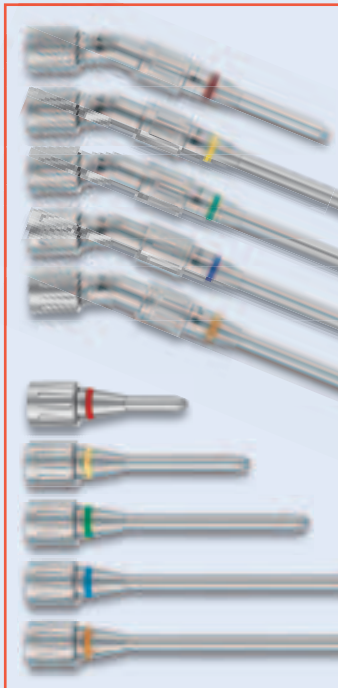
Motorschlauch
 Motor tube
 Tubo de motor
 Tuyau moteur
 Tubo motore

Systemübersicht
System Overview
Vista general al sistema
Aperçu du système
Visione generale del sistema

B11



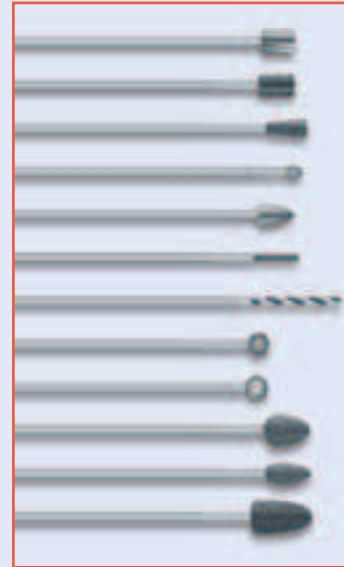
Trepanfräser (siehe Seite 145)
 Trepanation burrs (see page 145)
 Fresas de trépano (véase página 145)
 Fraises à trépan (voir page 145)
 Punta per perforatore (vedi pagina 145)



Arbeitsaufsätze
 Hand pieces
 Cabezales de trabajo
 Pièces à main
 Inserti lavorativi

gewinkelt
 angled
 anguladas
 angulaires
 angolati

gerade
 straight
 rectas
 droites
 retti



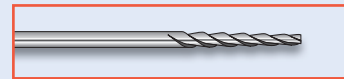
Werkzeuge
 Tools
 Terminales
 Outils
 Punta



Spülrohre
 Irrigation tubes
 Tubos de irrigación
 Tuyaux d'irrigation
 Tubi d'irrigazione



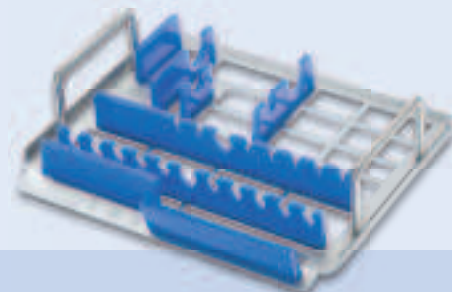
Kraniotome (siehe Seite 145)
 Craniotomes (see page 145)
 Crâneotomos (véase página 145)
 Crâniotomes (voir page 145)
 Craniotomi (vedi pagina 145)



Kraniotomfräser (siehe Seite 145)
 Craniotome burrs (see page 145)
 Fresas para craneotomo (véase página 145)
 Fraises pour crâniotome (voir page 145)
 Frese per craniotomo (vedi pagina 145)



Chirurgische Handstücke und Mikrosägen
 Surgical hand pieces and micro saws
 Piezas de mano quirúrgicas y micro sierras
 Pièces à main chirurgicales et micro scies
 Manipoli chirurgici e micro seghe



**B11**

Vorteile
Advantages
Ventajas
Avantages
Vantaggi

VipAir
 PNEUMATIC HIGH SPEED SYSTEM

Klein und handlich
small and handy
pequeño y manejable
petit et maniable
piccolo e maneggevole

ergonomisch
ergonomic
ergonómico
ergonomique
ergonomico

ölfrei
oil free
libre de aceite
sans huile
senza olio

leise
quiet
silencioso
silencieux
silenzioso

sicher
secure
seguro
sûr
sicuro

luftgekühlt
air-cooled
refrigerado por aire
refroidissement
raffreddato ad aria



Maximale Leistung bei kleinstmöglicher Bauweise
 Maximum performance using the smallest possible construction
 Rendimiento máximo con una construcción compacta
 Puissance maximale pour la plus petite construction possible
 Rendimento massimo grazie ad una costruzione il più possibile ridotta

Ergonomie und Balance garantieren Präzision und Instrumentenkontrolle
 Ergonomy and balance guarantee precision and instrument control
 Ergonomía y equilibrio garantizan precisión y el control sobre el instrumento
 Ergonomie et balance garantissant la précision et le contrôle des instruments
 Ergonomia ed equilibrio garantiscono precisione e controllo sullo strumento

Ölfreier und wartungsfreundlicher Motor
 Oil free motor and easy to maintain
 Motor libre de aceite que requiere poco mantenimiento
 Moteurs sans huile et entretien facile
 Motore senza olio che non richiede manutenzione

Leise Motorengeräusche ermöglichen ein stressfreies Arbeiten
 A low-noise motor ensures stressfree working environment
 Un motor silencioso posibilita un trabajo sin estrés
 Moteurs silencieux permettant un travail sans stress
 Il motore silenzioso rende possibile un lavoro senza stress

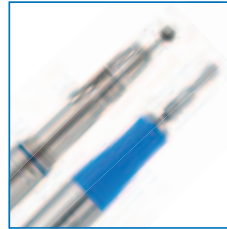
Sichere und schnelle Bedienbarkeit durch MEDICON-Spezialkupplung
 Secure and quick handling due to the MEDICON special coupling
 Manejo rápido y seguro mediante el acoplamiento MEDICON
 Maniement sûr et rapide par accouplement MEDICON spécial
 Utilizzo sicuro e veloce grazie all'accoppiamento speciale MEDICON

Kühlwirkung der Druckluft verhindert ein Erwärmen des Motors
 Cooling effect of compressed air avoids warming up of the motor
 Refrigeración por aire comprimido evita el calentamiento del motor
 L'effet de refroidissement par l'air comprimé empêche la surchauffe du moteur
 L'azione refrigerante dell'aria compressa impedisce il surriscaldamento del motore

**Druckluftmotoren
Pneumatic High Speed Motors
Motores neumáticos
Moteurs pneumatiques
Motori pneumatici**

B11

Motor mit INTRA-Kupplung
Motor with INTRA coupling
Motor con acoplamiento INTRA
Moteur avec embrayage INTRA
Motore con accoppiamento INTRA



Für Standard-Chirurgiehandstücke und Mikro-Sägen
For standard surgical hand pieces and micro saws
Para piezas de mano quirúrgicas estándar y micro sierras
Pour pièces à main chirurgicales standard et de micro scies
Per l'utilizzo di manipoli chirurgici standard e micro seghe

DIN 13940
ISO 3964



1:1

10 cm - 4" **93.00.22**

links
left
izquierda
gauche
sinistra

rechts
right
derecha
droite
destra

1. = 20.000 U/min

2. = 25.000 U/min

Zweistufiger Rechts- und Linkslauf
Two-stage clockwise/counter clockwise motion
Dos etapas de funcionamiento (derecha/izquierda)
Deux vitesses possibles tant à droite que à gauche
Funzionamento in senso orario ed antiorario a due velocità

- ▶ Sehr leiser und vibrationsfreier Lauf
- ▶ Kleine Bauweise, geringes Gewicht und stark im Durchzug
- ▶ Zweistufiger Rechts- und Linkslauf

- ▶ Quiet and without vibrations
- ▶ Small, lightweight construction and powerful torque
- ▶ Two-stage clockwise/counter clockwise motion

- ▶ Muy silencioso y sin vibraciones durante el uso
- ▶ Construcción ergonómica, poco peso y momento de giro muy elevado
- ▶ Dos etapas de funcionamiento (derecha/izquierda)

- ▶ Silencieux et sans vibration
- ▶ Construction micro, poids léger et puissance de rotation élevée
- ▶ Deux vitesses possibles tant à droite que à gauche

- ▶ Funzionamento molto silenzioso e privo di vibrazioni
- ▶ Dimensioni ridotte, peso minimo ed elevato momento torcente
- ▶ Funzionamento in senso orario ed antiorario a due velocità

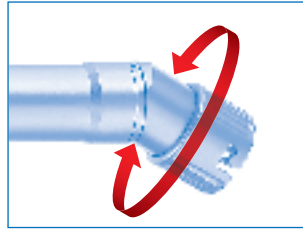
Technische Daten Technical data Especificaciones técnicas Caractéristiques techniques Dati tecnici	Drehzahl bei 8 bar Revolutions per minute at 8 bar Número de revoluciones a 8 bar Nombre de tours à 8 bar Numero di giri a 8 bar	Drehmoment bei 8 bar Torque at 8 bar Momento de giro a 8 bar Couple à 8 bar Momento torcente a 8 bar	Leistung bei 8 bar Output at 8 bar Potencia a 8 bar Puissance à 8 bar Potenza a 8 bar	Empfohlener Druck Recommended pressure Presión recomendada Pression recommandée Pressione raccomandata	Freigegebener Druck Approved pressure Presión permitida Pression libérée Pressione permessa
93.00.22	20.000-25.000 U/min	4,0 Ncm	44 Watt	8 bar	8±2 bar

**B11**

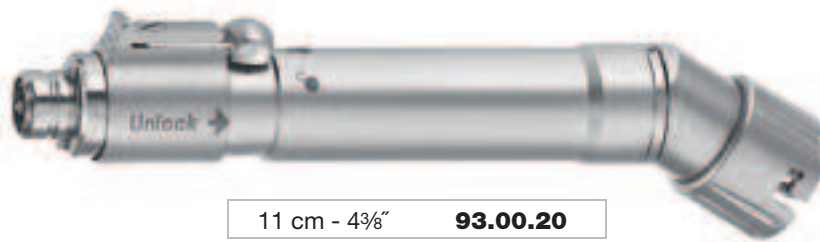
Druckluftmotoren
Pneumatic High Speed Motors
Motores neumáticos
Moteurs pneumatiques
Motori pneumatici

VipAir
 PNEUMATIC HIGH SPEED SYSTEM

Winkelmotor
 Angled motor
 Motor angulado
 Moteur angulaire
 Motore angolato

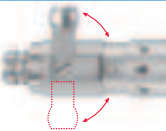


Das drehbare Winkelstück verhindert ein Verwinden des Motorschlauches
 The rotatable elbow avoids a torsion of the motor tube
 La pieza de mano giratoria evita una torsión del tubo de motor
 Le coude à plat pivotant empêche une torsion du tuyau moteur
 Il raccordo girevole impedisce una torsione del tubo motore



11 cm - 4 $\frac{3}{8}$ " **93.00.20**

entsichert
 unlocked
 desasegurado
 déverrouillé
 sbloccare



gesichert
 locked
 asegurado
 verrouillé
 bloccare



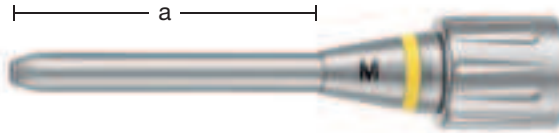
Sicherungsriegel der Kupplung
 Safety lock of coupling
 Pasador de seguridad del acoplamiento
 Embrayage à verrou de sécurité
 Chiusura di sicurezza dell'accoppiamento

Technische Daten Technical data Especificaciones técnicas Caractéristiques techniques Dati tecnici	Drehzahl bei 8 bar Revolutions per minute at 8 bar Número de revoluciones a 8 bar Nombre de tours à 8 bar Numero di giri a 8 bar	Drehmoment bei 8 bar Torque at 8 bar Momento de giro a 8 bar Couple à 8 bar Momento torcente a 8 bar	Leistung bei 8 bar Output at 8 bar Potencia a 8 bar Puissance à 8 bar Potenza a 8 bar	Empfohlener Druck Recommended pressure Presión recomendada Pression recommandée Pressione raccomandata	Freigegebener Druck Approved pressure Presión permitida Pression libérée Pressione permessa
93.00.20	100.000 U/min	2,8 Ncm	60 Watt	6-8 bar	8±2 bar

Arbeitsaufsätze und Spülrohre
Hand Pieces and Irrigation Tubes
Cabezales de trabajo y tubos de irrigación
Pièces à main et tuyaux d'irrigation
Inserti lavorativi e tubi d'irrigazione

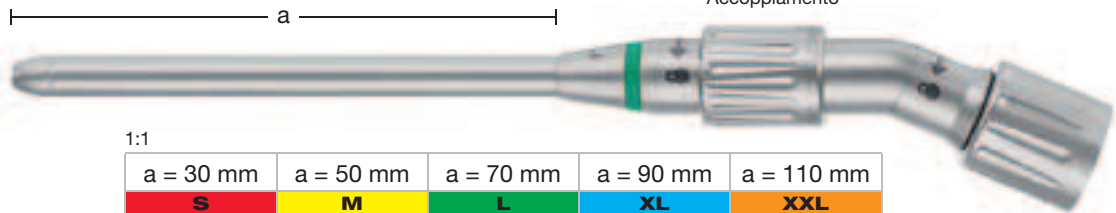
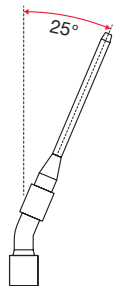
B11

Arbeitsaufsätze
 Hand pieces
 Cabezales de trabajo
 Pièces à main
 Inserti lavorativi



1:1

a = 20 mm	a = 40 mm	a = 60 mm	a = 80 mm	a = 100 mm
S	M	L	XL	XXL
93.00.40	93.00.42	93.00.44	93.00.46	93.00.48



Kupplung
 Coupling
 Acoplamiento
 Embrayage
 Accoppiamento

1:1

a = 30 mm	a = 50 mm	a = 70 mm	a = 90 mm	a = 110 mm
S	M	L	XL	XXL
93.00.50	93.00.52	93.00.54	93.00.55	93.00.56



Spülrohre
 Irrigation tubes
 Tubos de irrigación
 Tuyaux d'irrigation
 Tubi d'irrigazione



1:1

a = 45 mm	a = 55 mm	a = 75 mm	a = 90 mm	a = 115 mm
S	M	L	XL	XXL
93.00.70	93.00.72	93.00.74	93.00.76	93.00.78



Werkzeuge
Tools
Terminales
Outils
Punte

B11

VipAir
PNEUMATIC HIGH SPEED SYSTEM

Diamant-Kugelfräser
Diamond dust burrs
Fresas redondas de diamante
Fraises forme boule diamantées
Frese a pallina diamantate

STERILE | R

normal
regular
normal
normale
normale



1:1

S	M	L	XL	XXL	
93.01.20	93.02.01	93.03.01	93.06.01	93.04.01	Ø 1,0 mm
93.01.22	93.02.03	93.03.03			Ø 1,8 mm
			93.06.03	93.04.03	Ø 2,0 mm
	93.02.05	93.03.05			Ø 2,3 mm
93.01.01	93.02.07	93.03.07	93.06.07	93.04.07	Ø 3,1 mm
93.01.03	93.02.09	93.03.09	93.06.09	93.04.09	Ø 4,0 mm
93.01.05	93.02.11	93.03.08	93.06.11	93.04.21	Ø 5,0 mm
93.01.07	93.02.13	93.03.10	93.06.13	93.04.23	Ø 6,0 mm

grob
abrasivo
abrasivo
abrasivo
abrasivo



1:1

S	M	L	XL	XXL	
	93.02.66	93.03.66			Ø 5,0 mm
	93.02.68	93.03.68			Ø 6,0 mm

Diamant-Walzenfräser
Diamond cutting burrs, barrel style
Fresas cilíndricas de diamante
Fraises cylindriques diamantées
Frese cilindriche diamantate

STERILE | R

1:1

S	M	L	XL	XXL	
	93.02.54				Ø 3,0 mm
	93.02.52	93.03.50			Ø 6,0 mm

Rosenbohrer
Rosen burrs
Brocas Rosen
Fraises Rosen
Perforatori di Rosen

STERILE | R

1:1

S	M	L	XL	XXL	
	93.02.45				Ø 1,0 mm
	93.02.17	93.03.11			Ø 1,8 mm
			93.07.03	93.05.03	Ø 2,0 mm
	93.02.19	93.03.13			Ø 2,3 mm
93.01.09	93.02.21	93.03.15	93.07.05	93.05.07	Ø 3,1 mm
93.01.11	93.02.23	93.03.17	93.07.07	93.05.09	Ø 4,0 mm
93.01.13	93.02.25	93.03.19	93.07.08	93.05.11	Ø 5,0 mm
93.01.23	93.02.30	93.03.20	93.07.09	93.05.13	Ø 6,0 mm



mit Diamantkörnung
with diamond grit
con granulación de diamante
avec grains de diamant
con granulazione di diamante



mit blanker Stirnfläche
with polished front part
con superficie frontal lisa
avec partie frontale lisse
con superficie frontale liscia



Walzenfräser
Cutting burrs, barrel style
Fresas cilíndricas
Fraises cylindriques
Frese cilindriche

STERILE | R



1:1

S	M	L	XL	
	93.02.41			Ø 3,0 mm
	93.02.43	93.03.23		Ø 6,0 mm

Wirbelkörperfräser
Vertebra burrs
Fresas para vértebras
Fraises vertébrales
Frese per vertebre

STERILE | R



1:1

S	M	L	XL	
	93.02.35	93.03.35		Ø 5,0 mm

Neurofräser
Neuro burrs
Fresas neuro
Fraises neuro
Frese neuro

STERILE | R



1:1

S	M	L	XL	
	93.02.31	93.03.21		Ø 2,1 mm
	93.02.32	93.03.22	93.06.30	Ø 3,0 mm

Fräser
Burrs
Fresas "Flameshape"
Fraises
Frese

STERILE | R



1:1

S	M	L	XL	
	93.02.37			Ø 3,0 mm
	93.02.39			Ø 6,0 mm

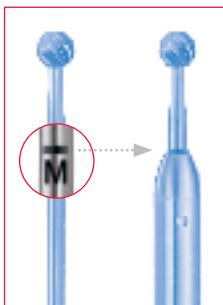
Zementbohrer
Cement drill
Broca para cemento
Fraise à ciment
Perforatore per cemento

STERILE | R



1:1

S	M	L	XL	
	93.02.33			Ø 2,4 mm



Alle Werkzeuge besitzen eine Markierung zur schnellen und sicheren Positionierung des Werkzeuges im Arbeitsaufsatz und eine Längenangabe (S, M, L, XL, XXL) zur besseren Unterscheidung.

All tools have a marking for a quick and secure positioning of the tool into the hand piece as well as an indication of length (S, M, L, XL, XXL) for a better distinction.

Los terminales disponen de una marca para el posicionamiento rápido y seguro en el cabezal. Esta marca sirve también como indicación de longitud (S, M, L, XL, XXL).

Tous les outils ont un marquage permettant une positionnement sûre et rapide dans les inserts, et un marquage de taille (S, M, L, XL, XXL) pour un meilleur choix.

Tutte le punte presentano una marcatura per posizionarle velocemente ed in modo sicuro negli inserti. La stessa marcatura serve anche a distinguere meglio la lunghezza (S, M, L, XL, XXL).



mit Diamantkörnung
with diamond grit
con granulación de diamante
avec grains de diamant
con granulazione di diamante



Werkzeuge
Tools
Terminales
Outils
Punte

B11

VipAir
PNEUMATIC HIGH SPEED SYSTEM

Spiralbohrer
Twist drills
Brocas espirales
Fraises en spirale
Perforatori a spirale

STERILE | R

1:1

S	M	L	XL	
93.01.17	93.02.47	93.03.40	93.06.08	Ø 1,5 mm
93.01.19	93.02.49			Ø 2,0 mm

Dermabrasionsfräser
Burs for dermabrasion
Fresas para la dermoabrasión
Fraises à dermabrasion
Frese per la dermoabrasione

STERILE | R

feinkörnig
fine-grained
de grano fino
à grains fins
granuloso



1:1

M	
93.02.20	Ø 9 mm

feinkörnig
fine-grained
de grano fino
à grains fins
granuloso



1:1

M	
93.02.22	Ø 6 mm

grobkörnig
coarse-grained
de grano grueso
à gros grains
grossolano



1:1

M	
93.02.24	Ø 10 mm

Spritzschutz für die Dermabrasion
Splash guard for dermabrasion
Protección contra riego para la dermoabrasión
Protection anti-projections à dermabrasion
Protezione antispruzzo per la dermoabrasione

Luer-Lock



1:1

4,5 cm - 1¾" **93.00.60**

Schützt das Operationsfeld vor Verunreinigung
Protects the operation area from contamination
Protege el campo operatorio de ensuciamiento
Protège le champ opératoire des projections
Protegge il campo operatorio dalle impurità



mit Diamantkörnig
with diamond grit
con granulacion de diamante
avec grains de diamant
con granulazione di diamante

Fußpedal und Schläuche
Foot Switch and Tubes
Interruptor a pedal y tubos
Interrupteur à pédale et tuyaux
Interruttore a pedale e tubi

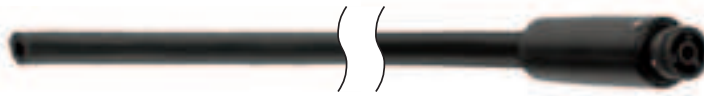
B11

Fußpedal
 Foot switch
 Interruptor a pedal
 Interrupteur à pédale
 Interruttore a pedale



110 × 200 × 140 mm
93.00.10

Wandschläuche
 Wall tubes
 Tubos murales
 Tuyaux muraux
 Tubi parete



 "OPEN-END" **93.00.00** 4,5 m 

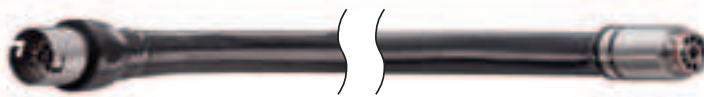


 "DRAEGER" **93.00.02** 4,5 m 



 "SYNTHEs" **93.00.04** 4,5 m 

Motorschlauch
 Motor tube
 Tubo de motor
 Tuyau moteur
 Tubo motore



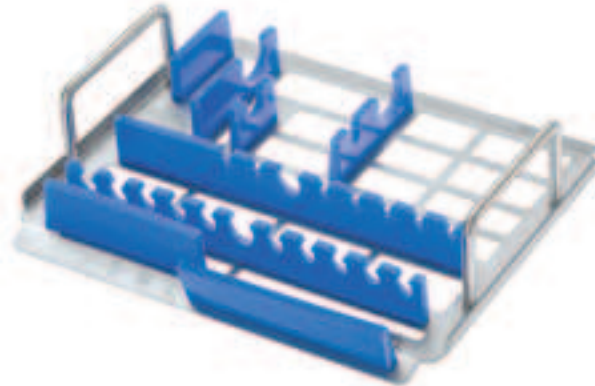
 **93.00.15** 2,5 m 

**B11**

Zubehör
Accessories
Accesorios
Accessoires
Accessori

VipAir
 PNEUMATIC HIGH SPEED SYSTEM

Reinigungs-Tray für die maschinelle Reinigung
 Cleaning tray for mechanical cleaning
 Bandeja de limpieza para la limpieza automática
 Tray de nettoyage pour nettoyage en machine
 Supporto di pulizia per la pulizia a macchina

240 × 200 × 60 mm **93.00.83**

Doppelcontainer
 Double container
 Contenedor doble
 Container double
 Contenitore doppio



Werkzeugkassette mit Silikonmatte
 Tools tray including silicon mat
 Caja para terminales con estera de silicona
 Cassette pour outils avec tapis en silicone
 Cassetta per attrezzi con tappetino in silicone

502 × 239 × 102 mm **93.00.85**190 × 102 × 19 mm **49.90.00**

Motorschmiermittel
 Lubrication of the motor
 Lubrificante para el motor
 Lubrifiant pour le moteur
 Lubrificante per motore

500 ml **63.69.96**


Sprühadapter
 Spray adaptor
 Adaptador de spray
 Adaptateur du spray
 Adattatore per spray



1:1

35 mm / Ø 9 mm **93.00.80**

Kunststoff (autoklavierbar bis 134 °C bei 3 bar)
 Plastic (autoclavable up to 134 °C at 3 bar)
 Plástico (autoclavable hasta 134 °C bajo presión de 3 bar)
 Plastique (autoclavable à 134 °C sous pression de 3 bars)
 Plastica (autoclavabile fino a 134 °C sotto pressione di 3 bar)



Siebvorschläge
Set Suggestions
Proposiciones de juegos
Propositions pour boîtes
Proposte di set

C

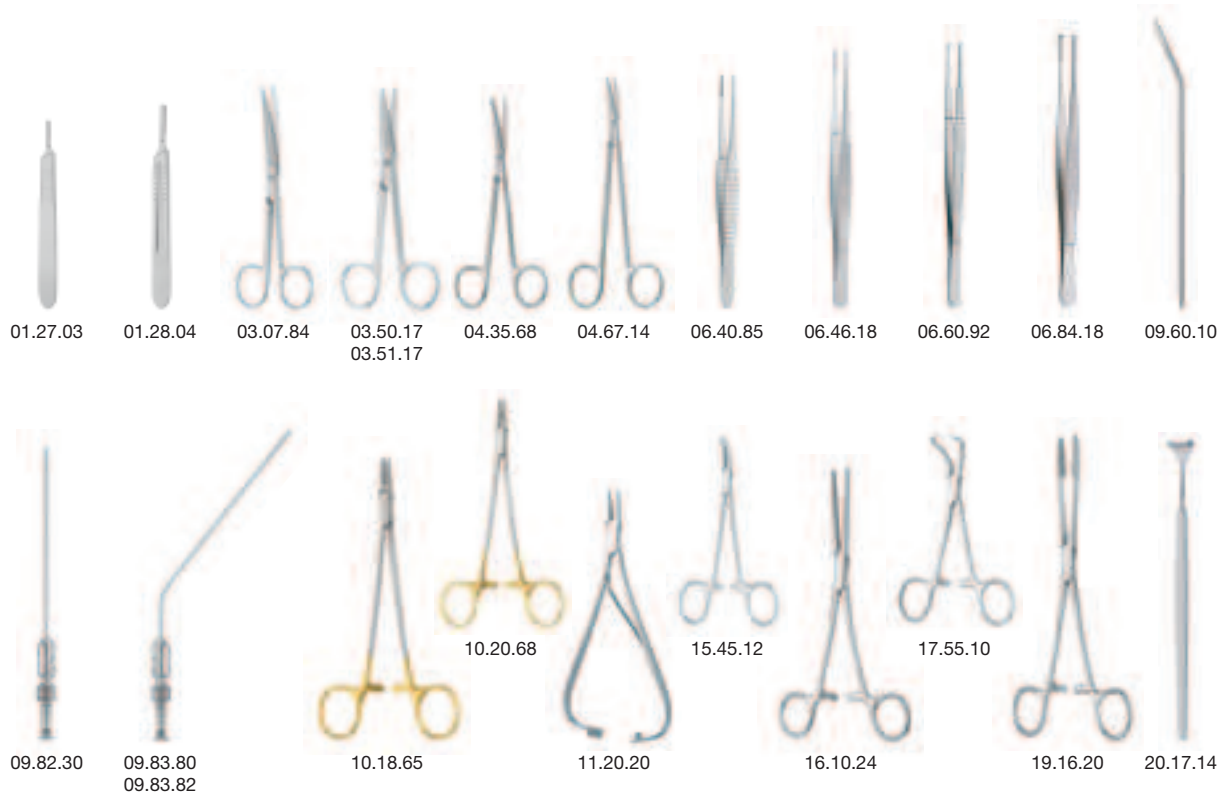
neuro
CRANIALIS

Siebvorschläge
Set Suggestions
Proposiciones de juegos
Propositions pour boîtes
Proposte di set

C01	Siebvorschlag für die Schädelöffnung Set Suggestion for craniotomy Proposición de juego para la apertura del cráneo Proposition à boîte pour l'ouverture du crâne Proposta di set per l'apertura del cranio	279
C02	Siebvorschlag für Eingriffe an der hinteren Schädelgrube Set suggestion for procedures of the posterior cranial fossa Proposición de juego para los procedimientos en la fosa posterior del cráneo Proposition pour boîte pour les procédures sur fosse postérieure du crâne Proposta di set per le procedure sulla fossa cranica posteriore	281
C03	Siebvorschlag für Eingriffe am Schädel Set suggestion for procedures of the skull Proposición de juego para los procedimientos en el cráneo Proposition à boîte pour les procédures sur le crâne Proposta di set per le procedure sul cranio	282
C04	Siebvorschlag für die kraniale Mikrochirurgie Set suggestion for cranial microsurgery Proposición de juego para microcirugía craneal Proposition à boîte de microchirurgie crânienne Proposta di set per la microchirurgia cranica	285
C05	Siebvorschlag für Hydrocephalus Shunt Set suggestion for hydrocephalus shunt Proposición de juego de Shunt para hidrocefalia Proposition à boîte pour Shunt hydrocéphalie Proposta di set per l'idrocefalo Shunt	286
C06	Siebvorschlag für Handinstrumente der peripheren Nerven Set suggestion for hand instruments of the peripheral nerves Proposición de juego para instrumentos de mano de los nervios periféricos Proposition à boîte pour instruments à main des nerfs périphériques Proposta di set per strumenti della mano dei nervi periferici	288
C07	Siebvorschlag für die transspheoidale Hypophysektomie Set suggestion for transspheoidal hypophysectomy Proposición de juego para la hipofisectomía transesfenoidal Proposition à boîte pour l'hypophysectomie transsphénoïdale Proposta di set per l'ipofisectomia transfenoidale	290

Siebvorschlag für die Schädelöffnung
Set Suggestion for Craniotomy
Proposición de juego para la apertura del cráneo
Proposition à boîte pour l'ouverture du crâne
Proposta di set per l'apertura del cranio

C01



PART 1

Item number	Description	Quantity
01.27.03	Scalpel handle · no 3 · standard · 12.5 cm	1
01.28.04	Scalpel handle · no 4 · standard · 13.5 cm	2
03.07.84	Surgical scissors · delicate · curved · blunt / sharp · 14.5 cm	1
03.50.17	MAYO Scissors · straight · 17 cm	1
03.51.17	MAYO Scissors · curved · 17 cm	1
04.35.68	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	1
04.67.14	REYNOLDS (JAMESON) Scissors · curved · 14 cm	1
06.40.85	GILLIES Tissue forceps · 1 × 2 teeth · 15 cm	1
06.46.18	POTTS-SMITH Dressing forceps · serrated · 18 cm	2
06.60.92	GERALD Tissue forceps · straight · 1 × 2 teeth · 18 cm	1
06.84.18	STILLE-BARRAYA Tissue forceps · 18 cm	1
09.60.10	REDON Guide needle · slightly curved · knife tip · threaded end · 10 French	1
09.82.30	FRAZIER Suction cannula · straight · 10 French · 12.5 cm	2
09.83.80	FRAZIER (FERGUSON) Suction cannula · angled · 10 French · 18 cm	1
09.83.82	FRAZIER (FERGUSON) Suction cannula · angled · 12 French · 18 cm	1
10.18.65	MAYO-HEGAR "HM" Needle holder · 16 cm	1
10.20.68	CRILE-WOOD "HM" (DEBAKEY "HM") Needle holder · 18 cm	1
11.20.20	MATHIEU Needle holder · 20 cm	1
15.45.12	HALSTED-MOSQUITO Forceps · curved · 12.5 cm	5
16.10.24	ROCHESTER-PEAN Hemostatic forceps · straight · 24 cm	3
17.55.10	BACKHAUS Towel clamp · 10.5 cm	10
19.16.20	GROSS Dressing forceps · straight · 20 cm	3
20.17.14	CUSHING Vein hook · 14 mm · 20 cm	2





C01

Siebvorschlag für die Schädelöffnung
Set Suggestion for Craniotomy
Proposición de juego para la apertura del cráneo
Proposition à boîte pour l'ouverture du crâne
Proposta di set per l'apertura del cranio

**PART 2**

Item number	Description	Quantity
20.65.03	Tracheal retractor · 3 teeth · blunt · 10 mm · 16 cm	1
22.42.04	KOCHER Retractor · 4 teeth · sharp · 18 mm · 22 cm	1
24.22.14	WEITLANER Retractor · 3 × 4 teeth · blunt · 13 cm	1
24.30.14	WEITLANER-BECKMANN Retractor · blunt · 14.5 cm	1
26.54.10	LAMBOTTE Raspatory · 10 mm · 22 cm	1
29.52.42	SCHEDE Sharp curette · figure 2/0 · 17 cm	1
31.09.93	Bone rongeur · slender pattern · angled sideways · 23 cm	1
31.11.13	MARQUARDT Bone rongeur · curved · 20 cm	1
57.34.16	TOENNIS Hook · 17 cm	1
57.36.14	DAVIS Dissector · double-ended · 4 / 5 mm · 25 cm	1
57.64.02	GIGLI Wire saw handles · solid · packing unit 2 pieces	2
57.64.30	GIGLI (OLIVECRONA) Wire saw · packing unit 5 pieces · 30 cm	2
57.64.90	DEMARTEL (BAILEY) Wire saw guide · 33 cm	1
57.85.03A	RANEY Scalp clip · packing unit 200 pieces	1
57.85.07	RANEY Scalp clip forceps · 16 cm	1
→ 57.85.50	MOD. KÖLN Clip · packing unit 10 pieces	1
67.15.35	YANKAUER Septum elevator · 6 mm · 18 cm	1
49.60.17	Medicontainer · silver · 590 × 290 × 170 mm	1
49.97.12	Wire basket · 480 × 255 × 50 mm	3



Das komplette Instrumentarium für die Trepanation und Kraniotomie finden Sie im Abschnitt B03
 For the complete range of instruments for trepanation and craniotomy please see section B03
 El instrumental completo para la trepanación y la craneotomía se encuentra en la sección B03
 Vous trouverez l'instrument complet pour la trépanation et la craniotomie dans la section B03
 Troverete lo strumentario completo per la trapanazione e la craniotomia nella sezione B03



Instrumente, optional
 Instruments optional
 Instrumentos opcional
 Instruments optionnel
 Strumenti opzionale

Siebvorschlag für Eingriffe an der hinteren Schädelgrube
Set Suggestion for Procedures of the Posterior Cranial Fossa
Proposición de juego para los procedimientos en la fosa posterior del cráneo
Proposition pour boîte pour les procédures sur fosse postérieure du crâne
Proposta di set per le procedure sulla fossa cranica posteriore

C02



Item number	Description	Quantity
07.31.19	GRUENWALD Bayonet forceps · 1 x 2 teeth · 19.5 cm	2
09.83.76	FRAZIER (FERGUSSON) Suction cannula · angled · 6 French · 18 cm	1
20.30.19	GILLIES Hook · small · 19 cm	1
24.28.02	ADSON-ANDERSON Retractor · angled · sharp · 19 cm	2
24.30.14	WEITLANER-BECKMANN Retractor · blunt · 14.5 cm	2
24.34.26	BECKMANN-ADSON Retractor · blunt · 25 mm · 31 cm	2
57.28.14	KERRISON Rongeur · dismantable · angled upwards 40° · 4 mm · 20 cm	1
57.28.16	KERRISON Rongeur · dismantable · angled upwards 40° · 6 mm · 20 cm	1
58.32.21	Micro dissector · 1.0 mm · 23 cm	1
58.32.23	Micro dissector · 1.8 mm · 23 cm	1
58.32.32	Micro tumor knife · Ø 2 mm · 23 cm	1
58.33.43	SAMII Tumor knife · Ø 4.5 mm · 23 cm	1
59.23.20	YASARGIL Micro scissors · bayonet · straight · 23 cm	1
59.23.21	YASARGIL Micro scissors · bayonet · angled · 23 cm	1
49.50.10	Medicontainer · silver · 290 x 290 x 100 mm	1
49.97.01	Wire basket · 240 x 255 x 30 mm	1
49.97.02	Wire basket · 240 x 255 x 50 mm	1

**C03**

Siebvorschlag für Eingriffe am Schädel
Set Suggestion for Procedures of the Skull
Proposición de juego para los procedimientos en el cráneo
Proposition à boîte pour les procédures sur le crâne
Proposta di set per le procedure sul cranio

**PART 1**

Item number	Description	Quantity
01.27.03	Scalpel handle · no 3 · standard · 12.5 cm	1
01.28.04	Scalpel handle · no 4 · standard · 13.5 cm	2
03.07.84	Operating scissors · delicate · curved · sharp / blunt · 14.5 cm	1
03.50.17	MAYO Scissors · straight · 17 cm	1
03.51.17	MAYO Scissors · curved · 17 cm	1
04.35.68	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	1
04.67.14	REYNOLDS (JAMESON) Scissors · curved · 14 cm	1
06.05.20	Tissue forceps · standard · 1 × 2 teeth · 20 cm	1
06.23.15	MICRO-ADSON Tissue forceps · 1 × 2 teeth · 15 cm	1
06.43.15	WAUGH Tissue forceps · cross threads · 1 × 2 teeth · 15 cm	2
06.46.18	POTTS-SMITH Dressing forceps · serrated · 18 cm	2
06.48.18	POTTS-SMITH Tissue forceps · 1 × 2 teeth · 18 cm	1
06.60.92	GERALD Tissue forceps · straight · 1 × 2 teeth · 18 cm	2
06.84.18	STILLE-BARRAYA Tissue forceps · 18 cm	2
09.60.10	REDON Guide needle · slight curved · knife tip · threaded end · 10 French	1
09.82.30	FRAZIER Suction cannula · 10 French · straight · 12.5 cm	2
09.83.78	FRAZIER (FERGUSON) Suction cannula · 8 French · angled · 18 cm	1
09.83.80	FRAZIER (FERGUSON) Suction cannula · 10 French · angled · 18 cm	1
09.83.82	FRAZIER (FERGUSON) Suction cannula · 12 French · angled · 18 cm	2
10.18.65	MAYO-HEGAR "HM" Needle holder · 16 cm	1
10.20.68	CRILE-WOOD "HM" (DEBAKEY "HM") Needle holder · fine · 18 cm	1



Siebvorschlag für Eingriffe am Schädel
Set Suggestion for Procedures of the Skull
Proposición de juego para los procedimientos en el cráneo
Proposition à boîte pour les procédures sur le crâne
Proposta di set per le procedure sul cranio

C03



PART 2

Item number	Description	Quantity
11.20.70	MATHIEU "HM" Needle holder · 20 cm	1
15.45.12	HALSTED-MOSQUITO Forceps · curved · 12.5 cm	10
16.10.24	ROCHESTER-PEAN Hemostatic forceps · straight · 24 cm	6
16.11.84	DANDY Hemostatic forceps · curved sideways · 14 cm	15
16.85.14	MIKULICZ-BABY Peritoneum forceps · 14.5 cm	15
17.55.10	BACKHAUS Towel clamp · 10.5 cm	10
19.16.20	GROSS Dressing forceps · straight · 20 cm	2
19.17.26	MAIER Dressing forceps · curved · 26 cm	6
20.65.03	Tracheal retractor · 3 teeth · blunt · 10 mm · 16 cm	1
22.42.04	KOCHER Retractor · 4 teeth · sharp · 18 mm · 22 cm	2
24.22.14	WEITLANER Retractor · 3 × 4 teeth · sharp · 13 cm	2
26.23.04	SEBILEAU Elevator · 4 mm · 16.5 cm	1
26.44.25	LEMPERT Raspatory · 5 mm · 17 cm	1
26.54.10	LAMBOTTE Raspatory · 10 mm · 22 cm	1
26.54.15	LAMBOTTE Raspatory · 15 mm · 22 cm	1
29.52.42	SCHEDÉ Sharp curette · figure 2/0 · 17 cm	1
46.28.15	BUNT Instrument holder · 12 cm	4
46.37.50	Needle case · Ø 65 mm	1
46.37.51	Inner case only · for 46.37.50	1
57.29.20	DAVIS Brain spatula · malleable · 16 mm · 19 cm	1
57.31.59	OLIVECRONA Spatula · straight · 7 mm / 9 mm · 18 cm	1
57.34.16	TOENNIS Hook · 17 cm	1



**C03**

Siebvorschlag für Eingriffe am Schädel
Set Suggestion for Procedures of the Skull
Proposición de juego para los procedimientos en el cráneo
Proposition à boîte pour les procédures sur le crâne
Proposta di set per le procedure sul cranio

**PART 3**

Item number	Description	Quantity
57.34.16	TOENNIS Hook · 17 cm	1
57.36.14	DAVIS Dissector · double-ended · 4 mm / 5 mm · 25 cm	1
57.64.02	GIGLI Wire saw handles · solid · packing unit 2 pieces	2
57.64.30	GIGLI (OLIVECRONA) Wire saw · packing unit 5 pieces · 30 cm	2
57.64.90	DE MARTEL (BAILEY) Wire saw guide · 33 cm	1
57.85.03A	RANEY Scalp clip · packing unit 200 pieces	1
57.85.07	RANEY Scalp clip forceps · 16 cm	1
57.85.10	YASARGIL Galea hook · 31 cm	5
57.85.11	YASARGIL Galea hook · 41 cm	5
→ 57.85.50	MOD. KÖLN Clip · packing unit 10 pieces	1
59.44.05	YASARGIL Grasping forceps · Ø 5 mm · 22 cm	1
59.44.73	YASARGIL Grasping forceps · Ø 3 mm · 22 cm	1
59.44.75	YASARGIL Grasping forceps · Ø 5 mm · 22 cm	1
67.15.35	YANKAUER Septum elevator · 6 mm · 18 cm	1
49.60.17	Medicontainer · silver · 590 × 290 × 170 mm	1
49.97.12	Wire basket · 480 × 255 × 50 mm	3



Das komplette Instrumentarium für die Trepanation und Kraniotomie finden Sie im Abschnitt B03
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 Troverete lo strumentario completo per la trapanazione e la craniotomia nella sezione B03



Instrumente, optional
 Instruments optional
 Instrumentos opcional
 Instruments optionnel
 Strumenti opzionale

Siebvorschlag für die kraniale Mikrochirurgie
Set Suggestion for Cranial Microsurgery
Proposición de juego para microcirugía craneal
Proposition à boîte de microchirurgie crânienne
Proposta di set per la microchirurgia cranica

C04



Item number	Description	Quantity
09.83.76	FRAZIER (FERGUSSON) Suction cannula · angled · 6 French · 18 cm	1
58.19.27	YASARGIL Micro scissors · angled · buttoned · 18 cm	1
58.30.01	JACOBSON Vessel knife · 18.5 cm	1
58.30.10	YASARGIL Raspatory · angled · 1 mm · 18.5 cm	1
58.30.17	YASARGIL Raspatory · slightly curved · 2.5 mm · 18.5 cm	1
58.30.20	JACOBSON Probe · ball tip · angled · 18.5 cm	1
58.30.32	KRAYENBÜHL Hook · 3.5 mm · 18.5 cm	1
58.30.35	KRAYENBÜHL Hook · 2.0 mm · 18.5 cm	1
58.30.36	KRAYENBÜHL Hook · 2.5 mm · 18.5 cm	1
58.32.04	Hook · sharp · 2.5 mm · 18.5 cm	1
58.32.21	Micro dissector · 1.0 mm · 23 cm	1
58.32.22	Micro dissector · 1.4 mm · 23 cm	1
58.32.23	Micro dissector · 1.8 mm · 23 cm	1
58.33.35	SAMII Tumor knife · 3.0 mm · 23 cm	1
58.33.42	SAMII Tumor knife · Ø 3.0 mm · 23 cm	1
59.20.20	YASARGIL Micro scissors · bayonet · straight · 20 cm	1
59.20.21	YASARGIL Micro scissors · bayonet · angled · 20 cm	1
59.23.10	YASARGIL Micro forceps · bayonet · sharp · 0.6 mm · 23 cm	1
59.23.14	YASARGIL Micro forceps · bayonet · blunt · 0.9 mm · 23 cm	1
49.50.10	Medicontainer · silver · 290 × 290 × 100 mm	1
49.97.02	Wire basket · 240 × 255 × 50 mm	2
49.97.72	Silicon mat · distance between naps 3 mm · 240 × 220 mm	2

**C05**

Siebvorschlag für Hydrocephalus Shunt
Set Suggestion for Hydrocephalus Shunt
Proposición de juego de Shunt para hidrocefalia
Proposition à boîte pour Shunt hydrocéphalie
Proposta di set per l'idrocefalo Shunt

**PART 1**

Item number	Description	Quantity
01.28.04	Scalpel handle · no 4 · standard · 13.5 cm	2
03.07.84	Surgical scissors · delicate · curved · sharp / blunt · 14.5 cm	1
04.35.14	METZENBAUM-SLIM Scissors · curved · 14 cm	1
04.35.68	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	1
04.67.14	REYNOLDS (JAMESON) Scissors · curved · 14 cm	1
06.07.16	Tissue forceps · slim · 1 x 2 teeth · 16 cm	2
06.46.18	POTTS-SMITH Dressing forceps · serrated · 18 cm	2
07.63.32	MICRO 2000 Forceps · straight · blunt · 0.3 mm · 14 cm	2
09.60.10	REDON Guide needle · slight curved · knife tip · threaded end · 10 French	1
09.82.30	FRAZIER Suction cannula · 10 French · straight · 12.5 cm	1
09.83.80	FRAZIER (FERGUSSON) Suction cannula · 10 French · angled · 18 cm	1
09.83.82	FRAZIER (FERGUSSON) Suction cannula · 12 French · angled · 18 cm	1
10.18.65	MAYO-HEGAR "HM" Needle holder · 16 cm	1
10.20.68	CRILE-WOOD "HM" (DEBAKEY HM) Needle holder · 18 cm	1
11.18.70	MATHIEU-KOCHER "HM" Needle holder · 20 cm	1
15.32.09	HARTMANN (BABY MOSQUITO) Hemostatic forceps · straight · 10 cm	2
15.45.12	HALSTED-MOSQUITO Forceps · curved · 12.5 cm	5
16.40.18	HALSTED (ADSON) Hemostatic forceps · straight · 18 cm	2
16.85.18	MIKULICZ Peritoneum forceps · 18 cm	4
17.06.14	MIXTER BABY Forceps · 14 cm	1
17.06.19	MIXTER BABY Forceps · 19 cm	1
19.16.20	GROSS Dressing forceps · straight · 20 cm	2



Siebvorschlag für Hydrocephalus Shunt
Set Suggestion for Hydrocephalus Shunt
Proposición de juego de Shunt para hidrocefalia
Proposition à boîte pour Shunt hydrocéphalie
Proposta di set per l'idrocefalo Shunt

C05

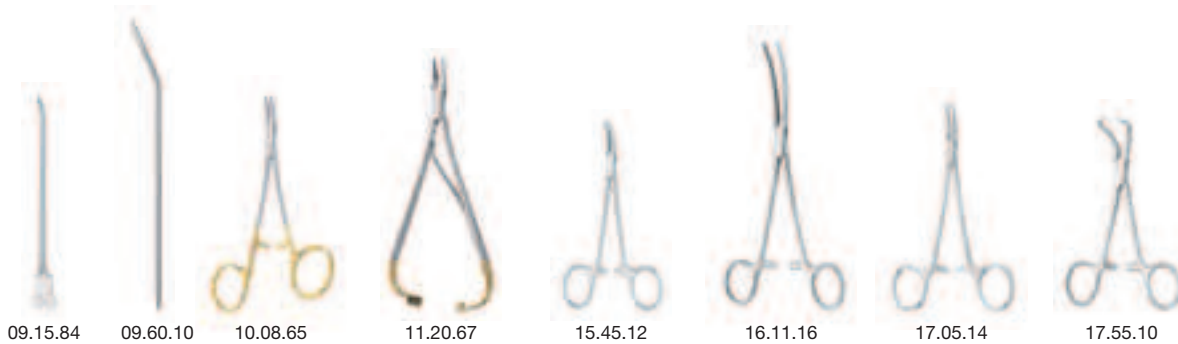
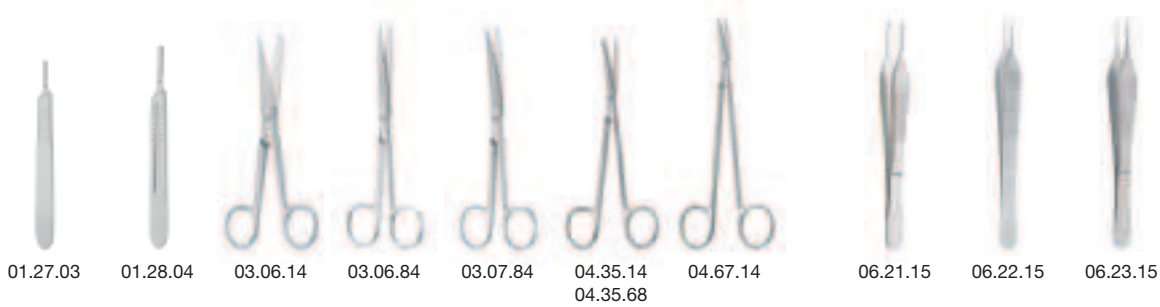


PART 2

Item number	Description	Quantity
19.17.26	MAIER Dressing forceps · curved · 26 cm	4
19.19.25	PELKMANN Dressing forceps · curved · 25 cm	1
20.30.12	FRAZIER Dura and skin hook · 12.5 cm	1
20.64.03	Tracheal retractor · 3 teeth · sharp · 10 mm · 16 cm	2
22.16.13	ROUX-BABY Retractor · double-ended · 15 × 15 mm / 21 × 18 mm · figure 0 · 13 cm	2
23.15.01	SAUERBRUCH Retractor · 18 × 45 mm · 23 cm	1
24.04.07	FINSEN Retractor · sharp · 7 cm	1
24.22.11	WEITLANER Retractor · 2 × 3 teeth · blunt · 10.5 cm	1
24.30.13	WEITLANER-BECKMANN Retractor · sharp · 14.5 cm	1
24.30.14	WEITLANER-BECKMANN Retractor · blunt · 14.5 cm	1
26.54.10	LAMBOTTE Raspatory · 10 mm · 22 cm	1
29.52.42	SCHEDE Sharp curette · figure 2/0 · 17 cm	1
31.11.13	MARQUARDT Bone rongeur · curved · 20 cm	1
46.28.15	BUNT Instrument holder · 12 cm	1
55.39.20	Neonatal vascular clamp · medium · 12 cm	1
57.36.14	DAVIS Dissector · double-ended · 4 / 5 mm · 25 cm	1
57.39.06	CONE Ventricular needle · 1.2 × 90 mm	1
57.39.07	CONE Ventricular needle · 1.4 × 90 mm	1
67.15.35	YANKAUER Septum elevator · 6 mm · 18 cm	1
49.60.13	Medicontainer · silver · 590 × 290 × 135 mm	1
49.97.12	Wire basket · 480 × 255 × 50 mm	2

**C06**

Siebvorschlag für Handinstrumente der peripheren Nerven
Set Suggestion for Hand Instruments of the Peripheral Nerves
Proposición de juego para instrumentos de manos de los nervios periféricos
Proposition à boîte pour instruments à main des nerfs périphériques
Proposta di set per strumenti della mano dei nervi periferici

**PART 1**

Item number	Description	Quantity
01.27.03	Scalpel handle · no 3 · standard · 12.5 cm	2
01.28.04	Scalpel handle · no 4 · standard · 13.5 cm	1
03.06.14	Operating scissors · straight · sharp / blunt · 14.5 cm	1
03.06.84	Operating scissors · delicate · straight · sharp / blunt · 14.5 cm	1
03.07.84	Operating scissors · delicate · curved · sharp / blunt · 14.5 cm	1
04.35.14	METZENBAUM-SLIM Scissors · curved · 14 cm	1
04.35.68	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	1
04.67.14	REYNOLDS (JAMESON) Scissors · curved · 14 cm	1
06.21.15	ADSON Tissue forceps · smooth · 1 × 2 teeth · 15 cm	2
06.22.15	MICRO-ADSON Dressing forceps · serrated · 15 cm	2
06.23.15	MICRO-ADSON Tissue forceps · 1 × 2 teeth · 15 cm	2
09.15.84	Grooved director · curved · 14 cm	1
09.60.10	REDON Guide needle · slight curved · knife tip · threaded end · 10 French	1
10.08.65	CONVERSE "HM" Needle holder · 15 cm	1
11.20.67	MATHIEU "HM" Needle holder · 17 cm	1
15.45.12	HALSTED-MOSQUITO Forceps · curved · 12.5 cm	6
16.11.16	ROCHESTER-PEAN Hemostatic forceps · curved · 16 cm	2
17.05.14	ADSON-BABY Forceps · 14 cm	1
17.55.10	BACKHAUS Towel clamp · 10.5 cm	6



Siebvorschlag für Handinstrumente der peripheren Nerven
Set Suggestion for Hand Instruments of the Peripheral Nerves
Proposición de juego para instrumentos de manos de los nervios periféricos
Proposition à boîte pour instruments à main des nerfs périphériques
Proposta di set per strumenti della mano dei nervi periferici

C06



PART 2

Item number	Description	Quantity
19.16.20	GROSS Dressing forceps · straight · 20 cm	3
19.17.26	MAIER Dressing forceps · curved · 26 cm	2
19.19.25	PELKMANN Dressing forceps · curved · 25 cm	1
20.17.14	CUSHING Vein hook · 14 mm · 20 cm	2
20.64.04	Tracheal retractor · 4 teeth · sharp · 14 mm · 16 cm	2
20.65.03	Tracheal retractor · 3 teeth · blunt · 10 mm · 16 cm	1
20.65.04	Tracheal retractor · 4 teeth · blunt · 14 mm · 16 cm	1
24.05.57	FINSEN Retractor with catch · sharp · 7 cm	1
24.30.14	WEITLANER-BECKMANN Retractor · blunt · 14.5 cm	1
46.37.50	Needle case · Ø 65 mm	1
46.37.51	Inner case only for 46.37.50	1
49.50.10	Medicontainer · silver · 290 × 290 × 100 mm	1
49.97.01	Wire basket · 240 × 255 × 30 mm	1
49.97.02	Wire basket · 240 × 255 × 50 mm	1
49.97.72	Silicon mat · distance between naps 3 mm · 240 × 220 mm	2

**C07**

Siebvorschlag für die transspheoidale Hypophysektomie
Set Suggestion for Transspheoidal Hypophysectomy
Proposición de juego para la hipofisectomía transesfenoidal
Proposition à boîte pour l'hypophysectomie transsphénoïdale
Proposta di set per l'ipofisectomia transfenoidale

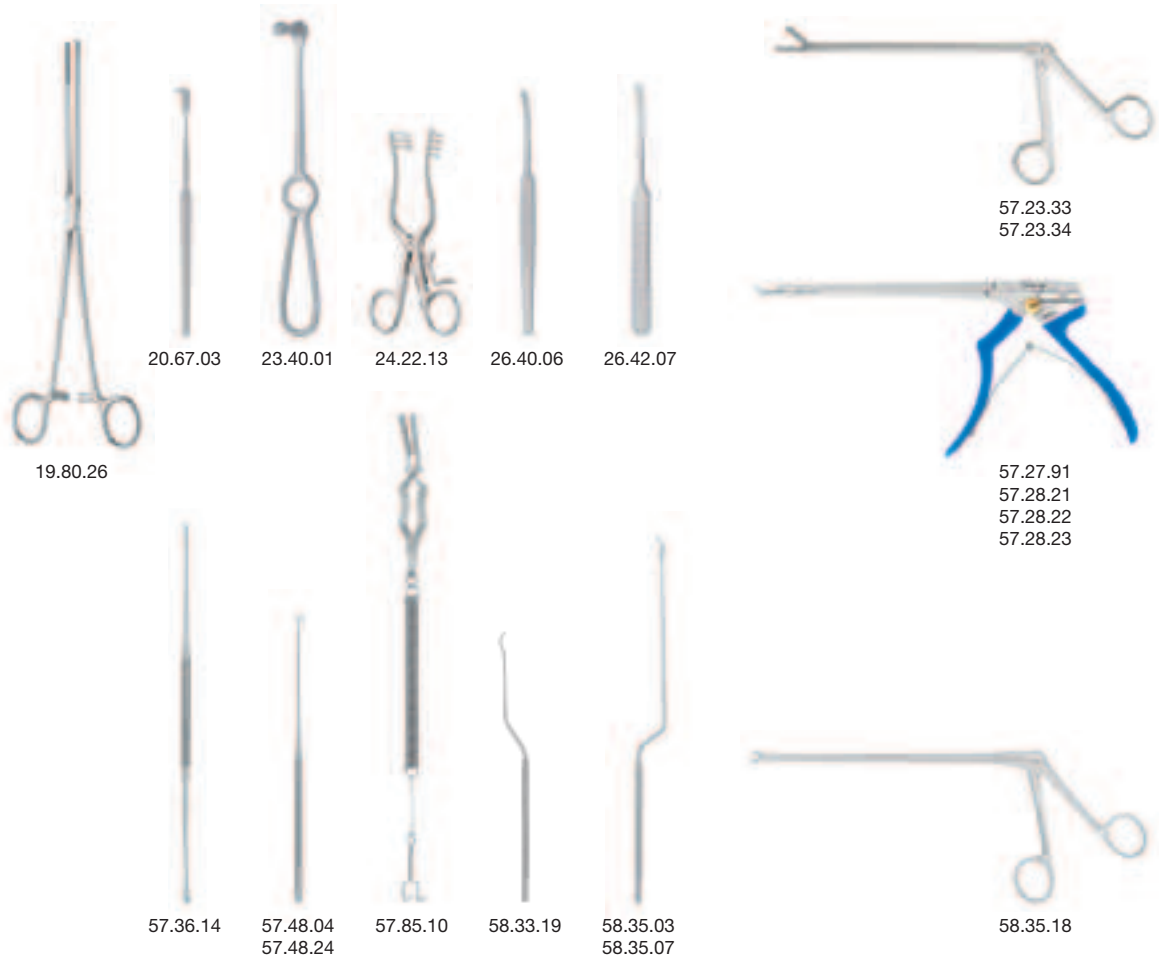
**PART 1**

Item number	Description	Quantity
01.27.03	Scalpel handle · no 3 · standard · 12.5 cm	2
01.27.07	Scalpel handle · no 7 · long · 16.5 cm	1
01.27.21	LANDOLT Scalpel handle · bayonet · 21 cm	1
03.06.16	Operating scissors · straight · sharp / blunt · 16.5 cm	1
03.06.84	Operating scissors · delicate · straight · sharp / blunt · 14.5 cm	1
03.07.84	Operating scissors · delicate · curved · sharp / blunt · 14.5 cm	1
04.35.14	METZENBAUM-SLIM Scissors · curved · 14 cm	1
04.35.68	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	2
06.07.16	Tissue forceps · slim · 1 × 2 teeth · 16 cm	2
06.23.15	MICRO-ADSON Tissue forceps · 1 × 2 teeth · 15 cm	1
06.46.18	POTTS-SMITH Dressing forceps · serrated · 18 cm	2
06.60.92	GERALD Tissue forceps · straight · 1 × 2 teeth · 18 cm	2
07.35.17	TROELTSCH Nasal forceps · serrated · 17 cm	1
09.82.30	FRAZIER Suction cannula · straight · 10 French · 12.5 cm	2
09.83.76	FRAZIER (FERGUSSON) Suction cannula · angled · 6 French · 18 cm	1
09.83.78	FRAZIER (FERGUSSON) Suction cannula · angled · 8 French · 18 cm	1
09.83.80	FRAZIER (FERGUSSON) Suction cannula · angled · 10 French · 18 cm	1
09.83.82	FRAZIER (FERGUSSON) Suction cannula · angled · 12 French · 18 cm	1
11.18.67	MATHIEU-KOCHER "HM" Needle holder · 17 cm	1
15.45.12	HALSTED-MOSQUITO Forceps · curved · 12.5 cm	5
17.55.08	BACKHAUS Towel clamp · 8.5 cm	5
17.55.10	BACKHAUS Towel clamp · 10.5 cm	5
19.16.20	GROSS Dressing forceps · straight · 20 cm	6
19.17.26	MAIER Dressing forceps · curved · 26 cm	2



Siebvorschlag für die transsphenoïdale Hypophysektomie
Set Suggestion for Transsphenoidal Hypophysectomy
Proposición de juego para la hipofisectomía transesfenoidal
Proposition à boîte pour l'hypophysectomie transsphénoïdale
Proposta di set per 'ipofisectomia transfenoidale

C07



PART 2

Item number	Description	Quantity
19.80.26	BOZEMANN Dressing forceps · straight · 27 cm	1
20.67.03	Tracheal retractor · 3 teeth · blunt · 8 mm · 16 cm	2
23.40.01	KOCHER Retractor · 12 × 19 mm · 20 cm	2
24.22.13	WEITLANER Retractor · 3 × 4 teeth · sharp · 13 cm	1
26.40.06	KÖNIG Raspatory · 5 mm · 15 cm	1
26.42.07	WILLIGER Raspatory · 7 mm · 16 cm	1
57.23.33	CASPAR Rongeur · straight · 3 × 12 mm · 16 cm	1
57.23.34	CASPAR Rongeur · straight · 4 × 14 mm · 16 cm	1
57.27.91	KERRISON Rongeur · dismantable · angled upwards 40° · 1.5 mm · 18 cm	1
57.28.21	KERRISON Rongeur · dismantable · angled upwards 40° · 1 mm · 18 cm	1
57.28.22	KERRISON Rongeur · dismantable · angled upwards 40° · 2 mm · 18 cm	1
57.28.23	KERRISON Rongeur · dismantable · angled upwards 40° · 3 mm · 18 cm	1
57.36.14	DAVIS Dissector · double-ended · 4 mm / 5 mm · 25 cm	1
57.48.04	RAY Curette · 45° · Ø 4 mm · 19 cm	1
57.48.24	RAY Curette · 45° · offset · Ø 4 mm · 19 cm	1
57.85.10	YASARGIL Galea hook · 31 cm	15
58.33.19	YASARGIL Raspatory · curved down · 2 mm · 18.5 cm	1
58.35.03	HARDY Dissector · bayonet · left · 24 cm	1
58.35.07	HARDY Enucleator · bayonet · left · 24 cm	1
58.35.18	YASARGIL Forceps cup jaws · Ø 2.2 mm · 19 cm	1




**C07**

Siebvorschlag für die transspheoidale Hypophysektomie
Set Suggestion for Transspheoidal Hypophysectomy
Proposición de juego para la hipofisectomía transesfenoidal
Proposition à boîte pour l'hypophysectomie transsphénoïdale
Proposta di set per ipofisectomia transfenoidale

**PART 3**

Item number	Description	Quantity
58.35.44	HARDY Curette · malleable · Ø 4 mm · 26 cm	1
58.35.46	HARDY Curette · malleable · Ø 6 mm · 26 cm	1
58.35.49	NICOLA Curette · malleable · bayonet · right side cutting · Ø 6.5 mm · 26 cm	1
58.35.50	NICOLA Curette · malleable · bayonet · Ø 6.5 mm · 26 cm	1
58.35.90	CUSHING-LANDOLT Specula · 90 mm	1
58.35.92	LANDOLT Hook · malleable · 26 cm	1
58.35.99	LANDOLT Spreader · 21 cm	1
58.36.20	LANDOLT-REULEN Dissector · 2 mm · 26 cm	1
58.36.25	LANDOLT-REULEN Curette · Ø 2.5 mm · 26 cm	1
58.36.26	FAHLBUSCH Spoon · malleable · Ø 2.5 mm · 26 cm	1
58.36.27	FAHLBUSCH Curette · malleable · Ø 2.5 mm · 26 cm	1
58.45.10	NICOLA Forceps cup jaws · Ø 2 mm · 18 cm	1
58.45.40	NICOLA Alligator type scissors · 18 cm	1
59.24.14	YASARGIL Micro Forceps · bayonet · blunt · 0.9 mm · 24 cm	1
59.44.73	YASARGIL Grasping forceps · Ø 3 mm · 22 cm	1
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57.06.67	158	57.07.66	161	57.28.06	155	57.29.07	53
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57.06.93	159	57.07.76	161	57.28.16	155	57.31.13	201
57.06.95	159	57.07.77	163	57.28.21	155	57.31.18	201
57.07.01	160	57.07.78	163	57.28.22	155	57.31.22	201
57.07.02	160	57.07.79	163	57.28.23	155	57.31.39	201
57.07.03	160	57.07.80	163	57.28.24	155	57.31.43	201
57.07.04	160	57.07.81	163	57.28.25	155	57.31.48	201
57.07.05	160	57.07.82	163	57.28.26	155	57.31.52	201
57.07.06	160	57.09.50	162	57.28.31	155	57.31.59	201
57.07.11	160	57.09.51	162	57.28.32	155	57.31.63	201
57.07.12	160	57.09.52	162	57.28.33	155	57.31.68	201
57.07.13	160	57.09.53	162	57.28.34	155	57.31.72	201
57.07.14	160	57.09.54	162	57.28.35	155	57.32.14	200
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57.48.15	252	57.64.60	148	58.24.16	83	58.32.23	181
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58.33.09	198	58.35.70	263	58.42.04	219	58.46.43	22
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58.33.24	183	58.35.97	256	58.42.58	219	58.47.07	216
58.33.25	184	58.35.98	256	58.42.63	219	58.47.10	216
58.33.26	184	58.35.99	263	58.42.65	219	58.47.15	217
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58.33.65	186	58.36.42	264	58.43.15	219	58.47.45	217
58.33.66	187	58.36.43	264	58.43.16	220	58.47.47	217
58.33.67	186	58.36.44	257	58.43.17	220	58.47.55	218
58.33.68	187	58.36.91	223	58.43.40	220	58.47.57	218
58.33.70	186	58.36.92	223	58.43.41	220	58.47.65	218
58.33.71	187	58.36.93	223	58.43.42	220	58.47.67	218
58.33.72	186	58.36.94	223	58.43.43	220	58.53.50	214
58.33.73	187	58.37.91	223	58.43.48	220	58.53.51	214
58.33.75	186	58.37.92	223	58.43.53	219	58.53.52	214
58.33.76	187	58.37.93	223	58.43.55	219	58.53.53	214
58.33.80	186	58.37.94	223	58.43.57	219	58.53.54	214
58.33.91	222	58.38.91	223	58.43.58	219	58.53.55	214
58.33.92	222	58.38.92	223	58.43.59	219	58.53.56	214
58.33.93	222	58.38.93	223	58.43.61	220	58.53.57	214
58.33.94	222	58.38.94	223	58.43.63	220	58.53.58	214
58.34.91	223	58.41.05	216	58.43.65	219	58.53.60	215
58.34.92	223	58.41.07	216	58.43.67	220	58.53.61	215
58.34.93	223	58.41.10	216	58.43.68	220	58.53.62	215
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58.53.66	215	58.55.30	210	58.56.53	219	58.58.17	214
58.53.67	215	58.55.32	210	58.56.55	219	58.58.21	214
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58.53.70	216	58.55.38	211	58.56.65	219	58.58.31	214
58.53.71	216	58.55.39	211	58.56.91	228	58.58.37	215
58.53.74	216	58.55.40	213	58.56.92	228	58.58.39	215
58.53.75	216	58.55.41	213	58.56.96	226	58.58.42	215
58.53.76	216	58.55.42	213	58.56.97	227	58.58.45	215
58.53.77	217	58.55.43	211	58.56.98	227	58.58.47	215
58.53.78	217	58.55.44	211	58.56.99	227	58.58.51	215
58.53.79	217	58.55.45	211	58.57.03	219	58.58.55	215
58.53.81	216	58.55.46	211	58.57.05	219	58.58.57	215
58.53.82	216	58.55.47	211	58.57.06	219	58.58.61	215
58.53.83	216	58.55.48	212	58.57.07	219	58.58.65	216
58.53.86	217	58.55.49	212	58.57.08	219	58.58.67	216
58.53.87	217	58.55.50	212	58.57.09	220	58.58.71	216
58.53.88	217	58.55.51	212	58.57.10	220	58.58.98	227
58.53.89	217	58.55.52	212	58.57.15	219	58.58.99	227
58.53.91	218	58.55.55	212	58.57.16	220	58.59.06	211
58.53.92	218	58.55.57	212	58.57.17	220	58.59.09	211
58.53.93	218	58.55.58	209	58.57.40	220	58.59.12	211
58.53.94	218	58.55.60	209	58.57.41	220	58.59.17	211
58.54.08	209	58.55.62	213	58.57.42	220	58.59.20	211
58.54.10	209	58.55.63	213	58.57.43	220	58.59.50	214
58.54.12	209	58.55.64	210	58.57.48	220	58.59.51	214
58.54.16	209	58.55.65	212	58.57.53	219	58.59.52	214
58.54.18	209	58.55.66	210	58.57.55	219	58.59.53	214
58.54.21	209	58.55.67	213	58.57.57	219	58.59.54	214
58.54.26	209	58.55.68	213	58.57.58	219	58.59.55	214
58.54.36	226	58.55.71	210	58.57.59	219	58.59.56	214
58.54.58	209	58.55.72	210	58.57.61	220	58.59.57	214
58.54.60	209	58.55.80	210	58.57.63	220	58.59.58	214
58.54.62	209	58.55.81	210	58.57.65	219	58.59.60	215
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58.54.72	209	58.55.90	212	58.57.70	220	58.59.64	215
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58.54.99	227	58.55.94	211	58.58.01	225	58.59.68	215
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58.59.81	216	58.61.10	209	58.61.95	211	58.65.37	213
58.59.82	216	58.61.12	210	58.61.96	212	58.65.41	213
58.59.83	216	58.61.16	210	58.61.98	227	58.65.49	213
58.59.85	212	58.61.17	210	58.61.99	227	58.66.00	229
58.59.86	217	58.61.20	210	58.63.05	212	58.66.03	229
58.59.87	217	58.61.28	210	58.63.06	211	58.66.06	229
58.59.88	217	58.61.30	210	58.63.07	212	58.66.09	229
58.59.89	217	58.61.32	210	58.63.08	213	59.16.20	27
58.59.91	218	58.61.36	210	58.63.09	211	59.16.21	27
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58.59.94	218	58.61.39	211	58.63.17	211	59.18.16	47
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58.60.04	231	58.61.46	211	58.63.41	213	59.19.16	45
58.60.05	232	58.61.47	211	58.63.49	213	59.19.17	45
58.60.08	209	58.61.48	212	58.64.07	214	59.19.18	45
58.60.10	209	58.61.49	212	58.64.09	214	59.19.19	45
58.60.12	209	58.61.50	212	58.64.12	214	59.20.10	49
58.60.16	209	58.61.51	212	58.64.15	214	59.20.14	49
58.60.18	209	58.61.52	212	58.64.17	214	59.20.16	49
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58.60.26	209	58.61.57	212	58.64.25	214	59.20.20	27
58.60.31	225	58.61.58	209	58.64.27	214	59.20.21	27
58.60.32	225	58.61.60	209	58.64.31	214	59.20.23	27
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58.60.41	225	58.61.64	210	58.64.42	215	59.20.40	78
58.60.42	225	58.61.65	212	58.64.45	215	59.20.45	78
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58.60.44	225	58.61.67	213	58.64.51	215	59.23.14	50
58.60.45	221	58.61.68	213	58.64.55	215	59.23.20	28
58.60.46	221	58.61.71	210	58.64.57	215	59.23.21	28
58.60.51	225	58.61.72	210	58.64.61	215	59.23.30	28
58.60.52	225	58.61.80	210	58.64.65	216	59.23.31	28
58.60.53	225	58.61.81	210	58.64.67	216	59.23.40	28
58.60.54	225	58.61.85	212	58.64.71	216	59.23.41	28
58.60.58	209	58.61.86	210	58.65.05	212	59.23.42	78
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68.76.44	248	68.86.93	237	76.50.10	151	88.07.58	59
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68.83.03A	240	68.87.03	234	76.50.15	151	88.07.92	59
68.83.04A	240	68.87.07	234	76.50.16	151	88.07.93	59
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68.83.53A	240	68.87.29	239	76.50.30	151	88.08.04	60
68.83.54A	240	68.87.30	239	76.50.31	151	88.08.05	60
68.83.55A	240	68.87.34	234	76.50.80	152	88.08.06	60
68.83.73A	240	68.87.44	234	76.50.81	152	88.08.07	60
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