

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



# neuro CRANIALIS

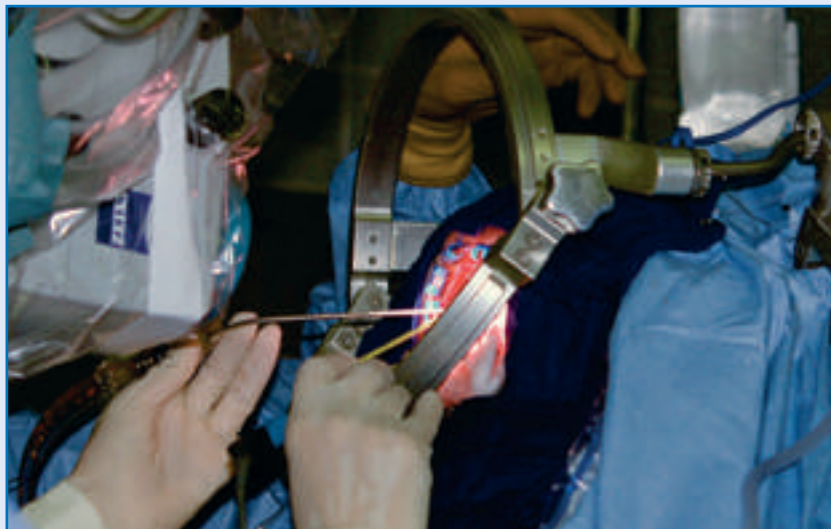
Instrumente für die kraniale Neurochirurgie  
Instruments for Cranial Neurosurgery  
Instrumentos para la neurocirugía craneal  
Instruments pour la neurochirurgie crânienne  
Strumenti per la neurochirurgia cranica

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# 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

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.

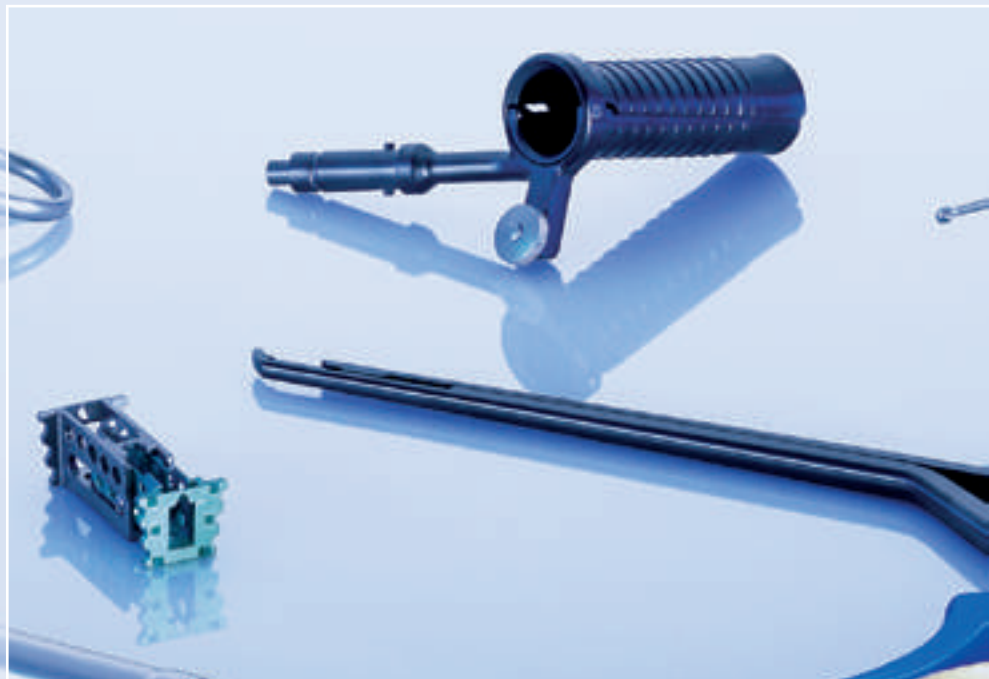
Wir haben es uns zur Aufgabe gemacht, Chirurgen und OP-Personal der Neurochirurgie mit innovativen Implantaten und Instrumenten zu versorgen, welche die Fortschritte der operativen Behandlung unterstützen.

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**

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

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Proposiciones de juegos  
Propositions pour boîtes  
Proposte di set**

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

**D**

# A

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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)

50 % = 7 cm

**Mayo**


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"	
<b>03.50.14</b>	<b>03.51.14</b>	<b>standard</b>
<b>203.50.14</b>	<b>203.51.14</b>	<b>supercut</b>
<b>213.50.14</b>	<b>213.51.14</b>	<b>blackline</b>
<b>03.50.64</b>	<b>03.51.64</b>	<b>"HM"</b>
<b>203.50.64</b>	<b>202.51.64</b>	<b>supercut plus</b>
<b>223.50.64</b>	<b>222.51.64</b>	<b>magiccut</b>

Artikelnummer  
 Item number  
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 Référence  
 Codice



Standardinstrumente  
Basic Instruments  
Instrumentos básicos  
Instruments de base  
Strumenti di base

A

neuro  
**CRANIALIS**

**Standardinstrumente**  
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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**



Unser komplettes Skalpells-Programm finden Sie in unserem Hauptkatalog.  
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El programa completo de bisturís se encuentra en nuestro catálogo general.  
Vous trouverez notre gamme complète de bistouris dans notre catalogue général.  
Troverete il nostro programma completo di bisturi nel nostro catalogo generale.




**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. 10 **01.22.10** P<sub>100</sub>




Fig. 11 **01.22.11** P<sub>100</sub>




Fig. 12 **01.22.12** P<sub>100</sub>




Fig. 12d **01.22.32** P<sub>100</sub>




Fig. 15 **01.22.15** P<sub>100</sub>




Fig. 15c **01.22.35** P<sub>100</sub>




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


 Einmalprodukt  
 Single use product  
 Prodotto 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

**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 



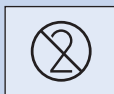
13,5 cm – 5<sup>3</sup>/<sub>8</sub>" **01.28.04** no. 4



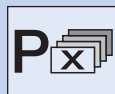
21 cm – 8<sup>1</sup>/<sub>4</sub>" **01.28.14** no. 4L



22,5 cm – 9" **01.28.45**



Einmalprodukt  
 Single use product  
 Prodotto 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



**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** P<sub>12</sub>




Fig. 64 **01.30.64** P<sub>12</sub>




Fig. 65 **01.30.65** P<sub>12</sub>




Fig. 67 **01.30.67** P<sub>12</sub>







Fig. 69 **01.30.69** P<sub>12</sub>


 **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**

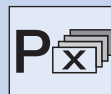


140 mm

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 Chirurgiemechanikern 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.

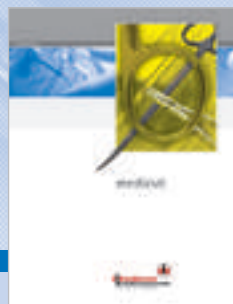
Desde tijeras "standard" hasta "magic cut" – todas las tijeras son fabricadas por expertos competentes. Las tijeras son templadas e investigadas respecto la calidad para un durable rendimiento.

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



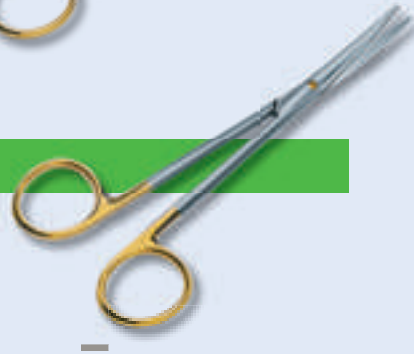
## "HM"

Goldene Ringgriffe  
Golden rings  
Anillos dorados  
Anneaux dorés  
Anelli dorati



## supercut plus

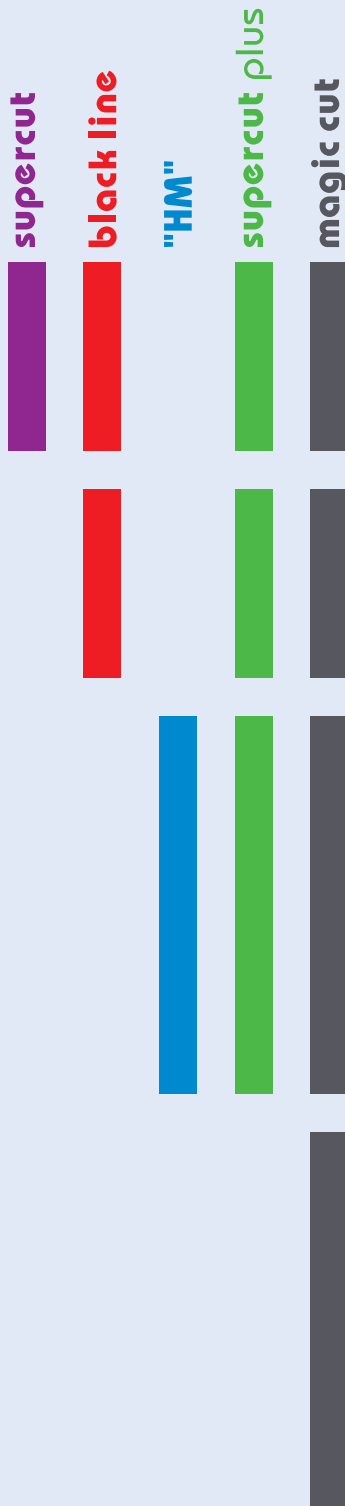
Goldene Schraube und goldene Ringgriffe  
Golden screw and golden rings  
Tornillo dorado y anillos dorados  
Vis dorée et anneaux dorés  
Vite dorata e anelli dorati



## 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

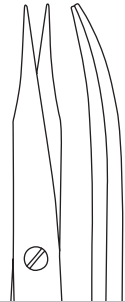
**Keramikbeschichtung:** Lange Standzeit · Hohe Oberflächenhärte · Blendfreie Oberfläche · Hervorragende Gleitfähigkeit  
**Ceramic coating:** Long lasting cutting ability · High surface hardness · Non-dazzling surface · Excellent sliding capacity  
**Recubrimiento de cerámica:** Máxima duración del 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

**A02**

**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**



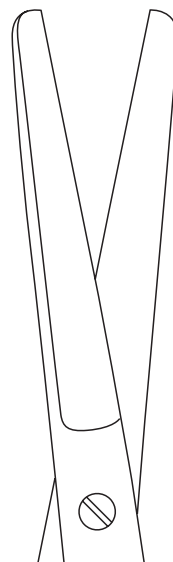
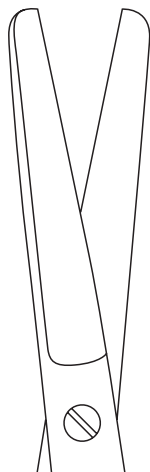
Feine Schere  
 Delicate scissors  
 Tijera fina  
 Ciseaux délicat  
 Forbice delicata



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"

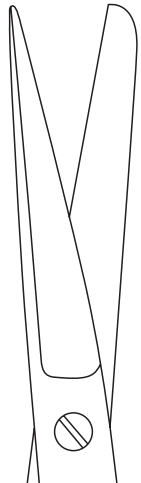

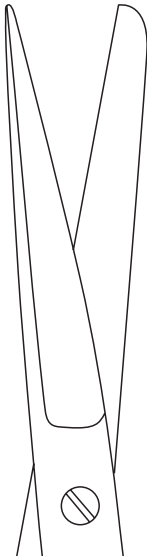

**03.02.14****03.03.14****03.02.16****03.03.16****standard****203.02.14****203.03.14****203.02.16****203.03.16****supercut****213.02.14****213.03.14****black line****03.02.64****03.03.64****"HM"**



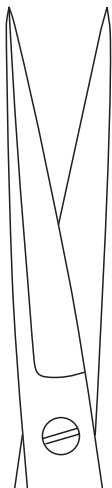

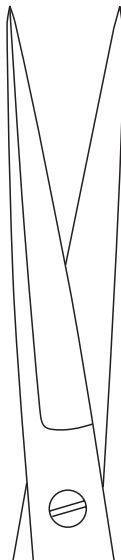

**Chirurgische Scheren**  
**Operating Scissors**  
**Tijeras quirúrgicas**  
**Ciseaux chirurgicaux**  
**Forbici chirurgiche**

**A02**



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



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



**Chirurgische Scheren**  
**Operating Scissors**  
**Tijeras quirúrgicas**  
**Ciseaux chirurgicaux**  
**Forbici chirurgiche**

**A02**

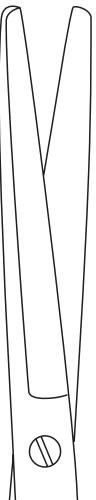



14,5 cm – 5¾"	14,5 cm – 5¾"	
<b>03.04.84</b>	<b>03.05.84</b>	<b>standard</b>



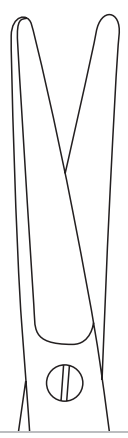

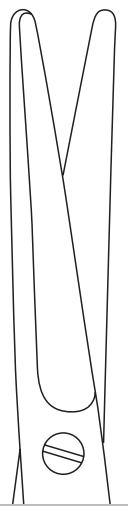

14,5 cm – 5¾"	14,5 cm – 5¾"	
<b>03.06.84</b>	<b>03.07.84</b>	<b>standard</b>



		
14,5 cm – 5¾"	14,5 cm – 5¾"	
<b>03.02.84</b>	<b>03.03.84</b>	<b>standard</b>



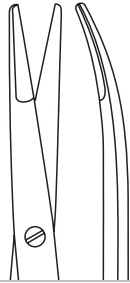
**Mayo**

				
14,5 cm – 5¾"	14,5 cm – 5¾"	17 cm – 6¾"	17 cm – 6¾"	
<b>03.50.14</b>	<b>03.51.14</b>	<b>03.50.17</b>	<b>03.51.17</b>	<b>standard</b>
<b>203.50.14</b>	<b>203.51.14</b>	<b>203.50.17</b>	<b>203.51.17</b>	<b>supercut</b>
<b>213.50.14</b>	<b>213.51.14</b>	<b>213.50.17</b>	<b>213.51.17</b>	<b>black line</b>
<b>03.50.64</b>	<b>03.51.64</b>	<b>03.50.67</b>	<b>03.51.67</b>	<b>"HM"</b>
<b>203.50.64</b>	<b>203.51.64</b>	<b>203.50.67</b>	<b>203.51.67</b>	<b>supercut plus</b>

**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  
11  
4  
10  
9  
3  
8  
7  
6  
2  
5  
4  
3  
1  
2  
1  
cm | inch

**Greenberg PAR**

11,5 cm – 4½"	
<b>204.13.62</b>	<b>supercut plus</b>
<b>224.13.62</b>	<b>magic cut</b>

**Shea**

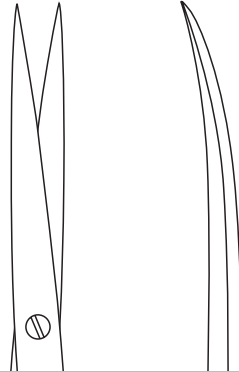
12 cm – 4¾"	
<b>04.13.12</b>	<b>standard</b>
<b>204.13.12</b>	<b>supercut</b>
<b>214.13.12</b>	<b>black line</b>

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

**A02**



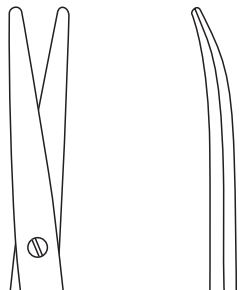
**"slim"**



14 cm – 5½"	14 cm – 5½"	
<b>04.24.14</b>	<b>04.25.14</b>	standard
<b>204.24.14</b>	<b>204.25.14</b>	supercut
<b>04.24.64</b>	<b>04.25.64</b>	"HM"
<b>204.24.64</b>	<b>204.25.64</b>	supercut plus



**Baby-Metzenbaum**



11,5 cm – 4½"	11,5 cm – 4½"	
<b>04.32.11</b>	<b>04.33.11</b>	standard
<b>204.32.11</b>	<b>204.33.11</b>	supercut
<b>214.32.11</b>	<b>214.33.11</b>	black line
<b>04.32.61</b>	<b>04.33.61</b>	"HM"
<b>204.32.61</b>	<b>204.33.61</b>	supercut plus

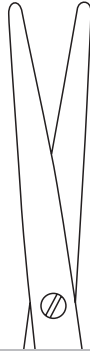


**Präparierscheren**  
**Dissecting Scissors**  
**Tijeras para disección**  
**Ciseaux pour dissection**  
**Forbici per dissezione**

A02



Metzenbaum



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



Metzenbaum



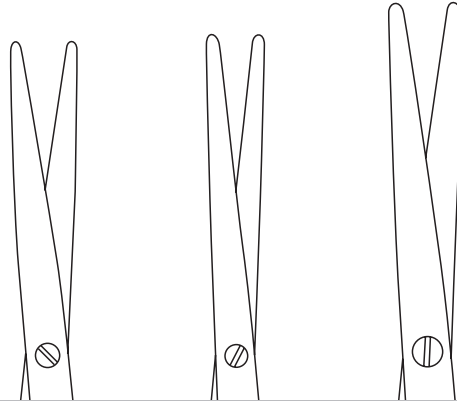
14 cm – 5½"	18 cm – 7⅛"	20 cm – 8"	
<b>04.33.14</b>	<b>04.33.18</b>	<b>04.33.20</b>	standard
<b>204.33.14</b>	<b>204.33.18</b>	<b>204.33.20</b>	supercut
<b>214.33.14</b>	<b>214.33.18</b>	<b>214.33.20</b>	black line
<b>04.33.64</b>	<b>04.33.68</b>	<b>04.33.70</b>	"HM"
<b>204.33.64</b>	<b>204.33.68</b>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

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

**A02**



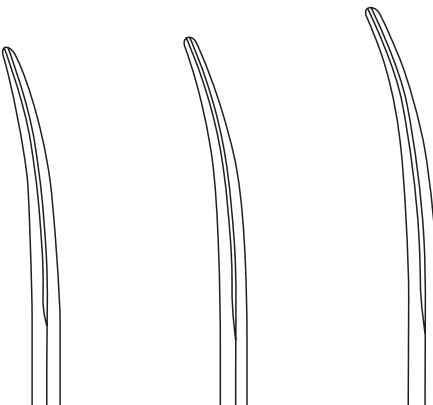
**Metzenbaum-slim**



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



**Metzenbaum-slim**



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

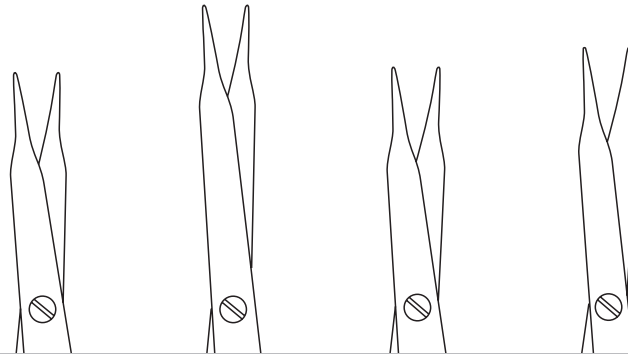


**Präparierscheren**  
**Dissecting Scissors**  
**Tijeras para disección**  
**Ciseaux pour dissection**  
**Forbici per dissezione**

**A02**



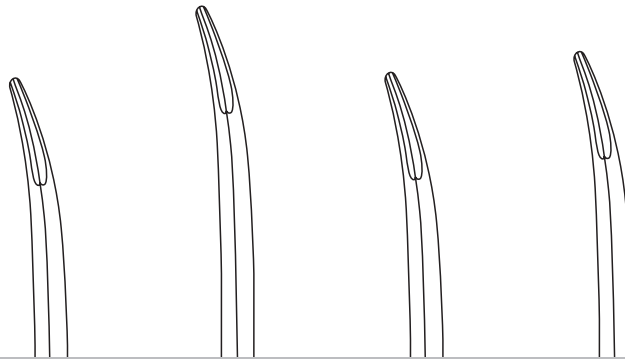
**Reynolds (Jameson)**



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

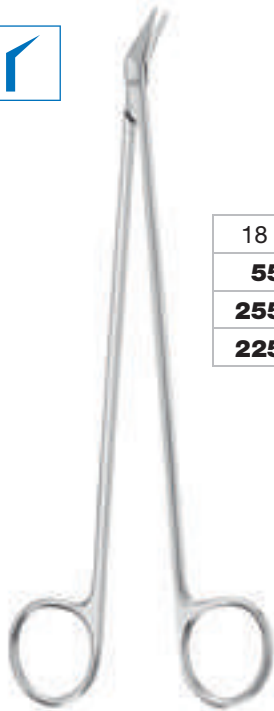


**Reynolds (Jameson)**

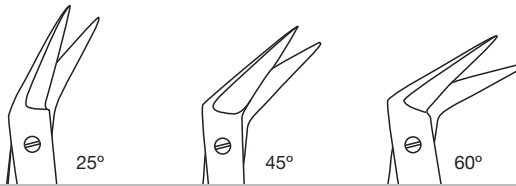


12 cm – 4¾"	14 cm – 5½"	16 cm – 6¼"	18 cm – 7⅛"	
<b>04.67.12</b>	<b>04.67.14</b>	<b>04.67.16</b>	<b>04.67.18</b>	<b>standard</b>
<b>204.67.12</b>		<b>204.67.16</b>	<b>204.67.18</b>	<b>supercut</b>
<b>214.67.12</b>		<b>214.67.16</b>	<b>214.67.18</b>	<b>black line</b>
		<b>224.67.66</b>	<b>224.67.68</b>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





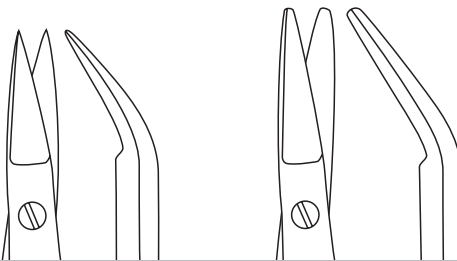
Hegemann-Diethrich



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



Potts-Smith



19 cm – 7 1/2"	19 cm – 7 1/2"	
<b>55.15.50</b>	<b>55.15.51</b>	standard

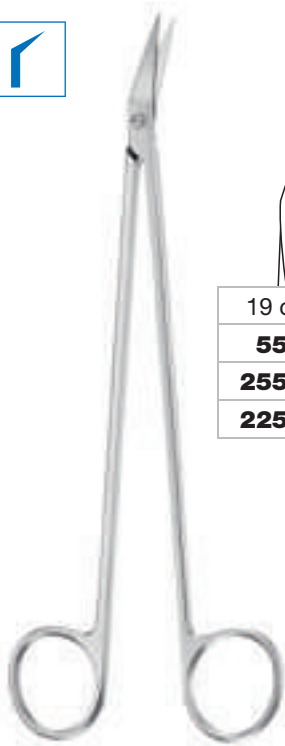


seitwärts gewinkelt  
 angled to side  
 acodadas lateralmente  
 coudés latéralement  
 angolata lateralmente



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

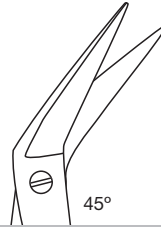
A02



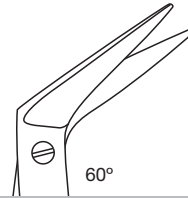
Potts-Smith



25°



45°



60°

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

## VANNAS



8 mm



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**

15 cm - 6"	15 cm - 6"	15 cm - 6"	15 cm - 6"	
<b>05.15.74</b>	<b>05.15.75</b>	<b>05.15.76</b>	<b>05.15.77</b>	<b>standard</b>
<b>205.15.74</b>				<b>supercut</b>



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"	
<b>05.15.70</b>	<b>05.15.71</b>	<b>05.18.70</b>	<b>05.18.71</b>	<b>standard</b>
		<b>205.18.70</b>	<b>205.18.71</b>	<b>supercut</b>



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



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



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

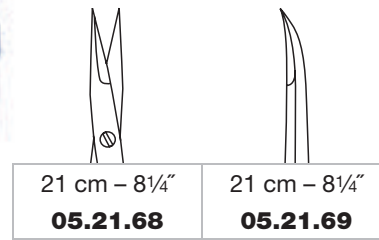
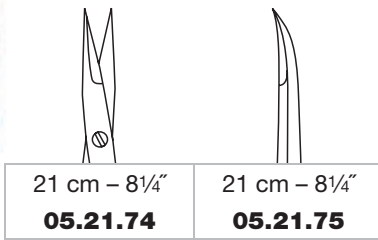
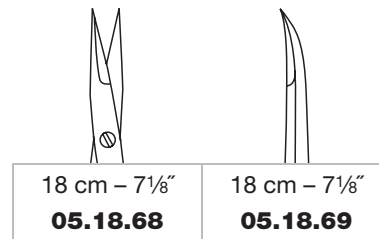
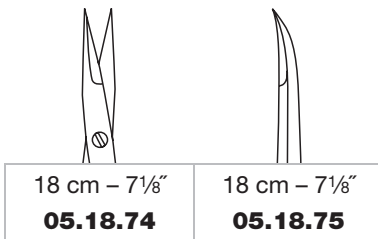
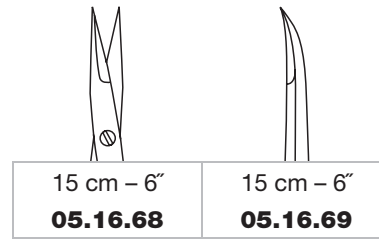
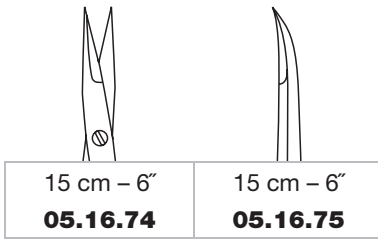


stumpf  
 blunt  
 roma  
 mousse  
 smussa



**Mikro-Scheren**  
**Micro Scissors**  
**Micro tijeras**  
**Micro ciseaux**  
**Micro forbici**

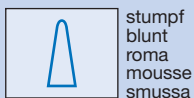
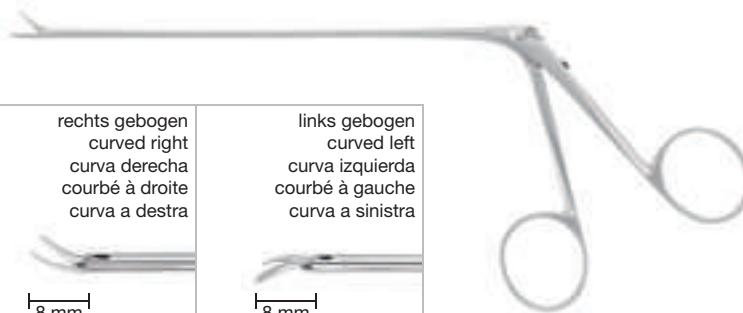
**A02**



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"
<b>58.46.40</b>	<b>58.46.42</b>	<b>58.46.43</b>



stumpf  
blunt  
roma  
mousse  
smussa







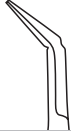





Rundgriff  
Round handle  
Mango redondo  
Manche rond  
Manico rotondo



Titan  
Titanium  
Titanio  
Titane  
Titanio









**VANNAS**




				
12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"	12 cm – 4¾"
<b>05.18.84</b>	<b>05.18.85</b>	<b>05.18.86</b>	<b>05.18.87</b>	<b>05.18.89</b>
				

**VANNAS**



			
16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"
<b>05.18.92</b>	<b>05.18.93</b>	<b>05.18.94</b>	<b>05.18.95</b>
			




13 cm – 5¼"
<b>05.18.90</b>

**Biemer**



spitz  
sharp  
aguda  
pointu  
acuta



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

**Mikro-Scheren**  
**Micro Scissors**  
**Micro tijeras**  
**Micro ciseaux**  
**Micro forbici**

**A02**



23 cm - 9"  
**05.19.02**



8 mm



18,5 cm - 7¼"  
**05.19.10**



18 cm - 7⅞"  
**05.19.25**  
**225.19.25**



18 cm - 7⅞"  
**05.19.45**  
**225.19.45**



18 cm - 7⅞"  
**05.19.60**  
**225.19.60**



18 cm - 7⅞"	18 cm - 7⅞"	18 cm - 7⅞"	
<b>05.19.25</b>	<b>05.19.45</b>	<b>05.19.60</b>	<b>"HM"</b>
<b>225.19.25</b>	<b>225.19.45</b>	<b>225.19.60</b>	<b>magic cut</b>

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**



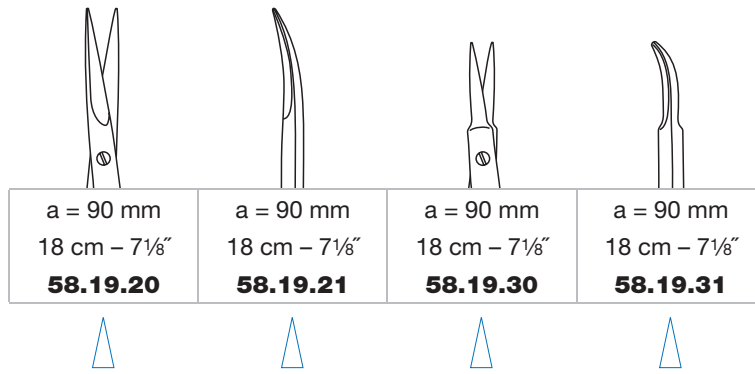
Instrumente mit blau eloxierten Leichtmetall-Griffen für höchste Präzision und Arbeitskomfort.

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.

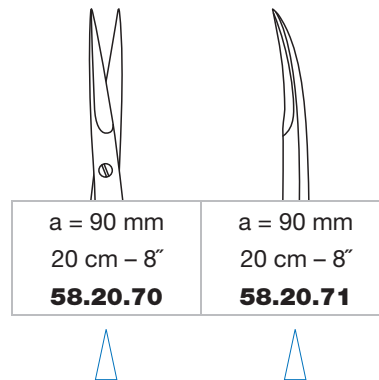
Strumenti con manici di metallo leggero anodizzati blu per una precisione massima e conforto lavorativo.



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"
<b>58.19.20</b>	<b>58.19.21</b>	<b>58.19.30</b>	<b>58.19.31</b>



**micro 2000**



a = 90 mm 20 cm - 8"	a = 90 mm 20 cm - 8"
<b>58.20.70</b>	<b>58.20.71</b>





spitz  
sharp  
aguda  
pointu  
acuta








**Yasargil**



	
a = 55 mm 16 cm – 6¼"	a = 55 mm 16 cm – 6¼"
<b>59.16.20</b>	<b>59.16.21</b>

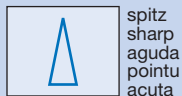


**Yasargil**

		
a = 85 mm 20 cm – 8"	a = 85 mm 20 cm – 8"	a = 85 mm 20 cm – 8"
<b>59.20.20</b>	<b>59.20.21</b>	<b>59.20.23</b>



	
a = 85 mm 20 cm – 8"	a = 85 mm 20 cm – 8"
<b>59.20.30</b>	<b>59.20.31</b>



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**



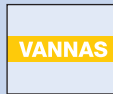
a = 105 mm  
23 cm - 9"  
**59.23.41**



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

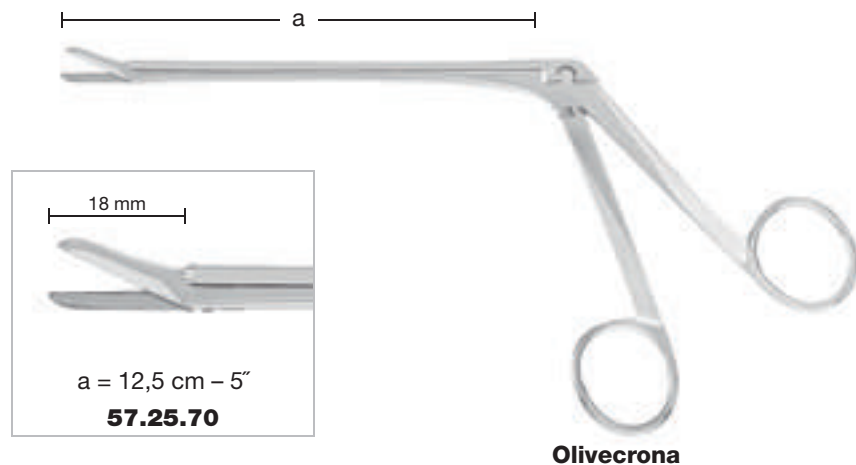


**Schmieden (Taylor)**



**Strully**

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



**Olivecrona**

seitwärts gewinkelt  
 angled to side  
 acodadas lateralmente  
 coudés latéralement  
 angolata lateralmente



A02

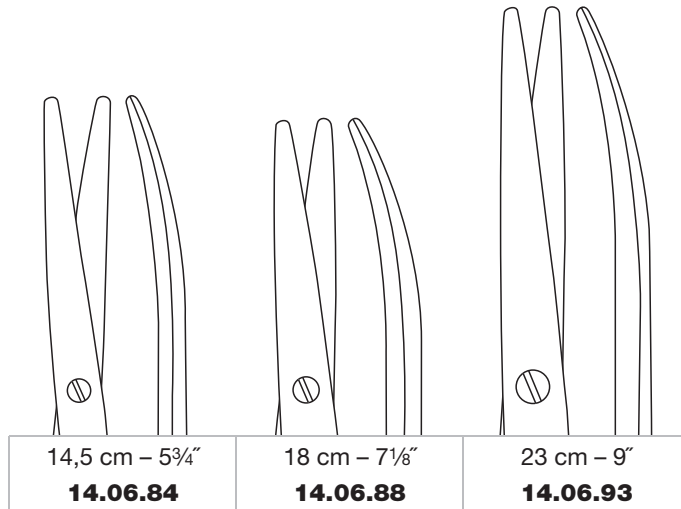
**Ligaturscheren, Draht- und Mesh-Plattenscheren**  
**Ligature Scissors, Wire and Mesh Plate Cutting Scissors**  
**Tijeras para ligaduras, tijeras para cortar alambre y placas Mesh**  
**Ciseaux à ligature, ciseaux coupe-fil et coupe-plaques Mesh**  
**Forbici per legature, forbici per fili d'acciaio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

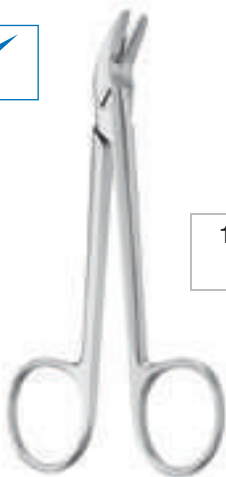


"HM"

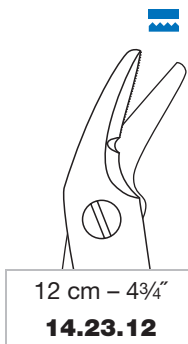


mit Mikroverzahnung und Hartmetallschneiden  
 with micro serration and tungsten carbide edges  
 con micro dientes y hojas de carburo tungsteno  
 avec denture micro et lames en carbure tungstène  
 con dentellatura micro e lame in carburo di tungsteno

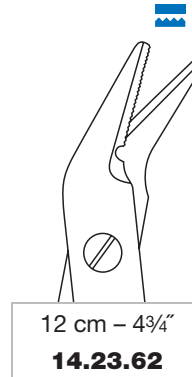
Draht- und Mesh-Plattenscheren  
 Wire and Mesh plate cutting scissors  
 Tijeras para cortar alambre y placas Mesh  
 Ciseaux coupe-fil et coupe-plaques Mesh  
 Forbici per fili d'acciaio e placche Mesh



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

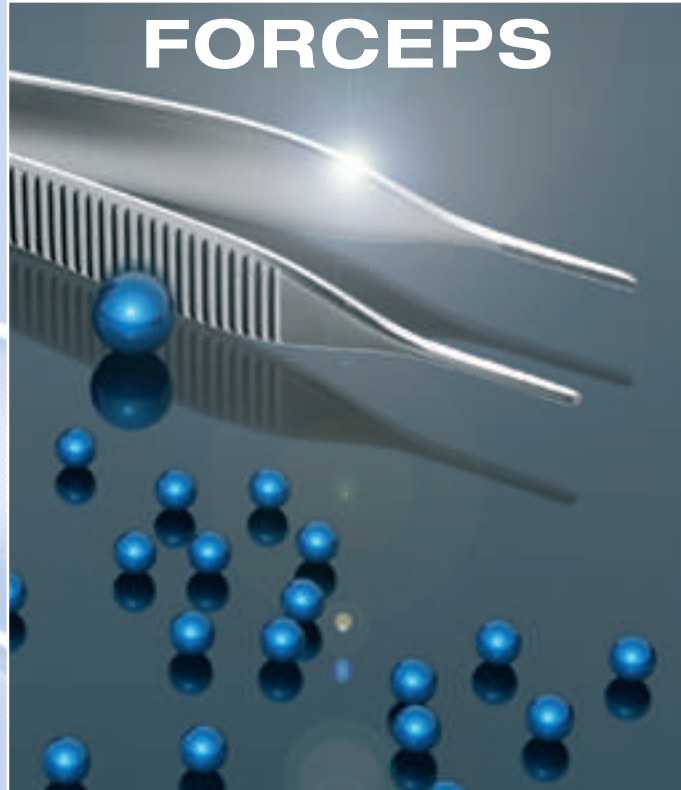


Eine Schneide gezahnt  
 One blade serrated  
 Una hoja dentada  
 Une lame dentelée  
 Una lama dentellata



**Pinzetten**  
**Forceps**  
**Pinzas**  
**Pinces**  
**Pinze**

**A03**



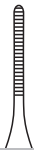


# A03

**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**



**Adson**



12 cm – 4¾"  
**06.20.12**



**Adson**



12 cm – 4¾"  
**06.21.12**



12 cm – 4¾"  
**06.21.13**



**Adson "HM"**



12 cm – 4¾"  
**06.20.62**



12 cm – 4¾"  
**06.21.62**



**Adson "HM"**



15 cm – 6"  
**06.20.65**



15 cm – 6"  
**06.21.65**



**Micro-Adson**



12 cm – 4¾"  
**06.22.12**



12 cm – 4¾"  
**06.23.12**



**Micro-Adson**



15 cm – 6"  
**06.22.15**



15 cm – 6"  
**06.23.15**

**"HM"**


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






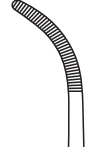
Vergrößerung  
 Magnification  
 Engrandecimiento  
 Agrandissement  
 Ingrandimento


**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**








**Semken**

	
12,5 cm – 5" <b>06.30.12</b>	12,5 cm – 5" <b>06.30.22</b>
	
15 cm – 6" <b>06.30.15</b>	15 cm – 6" <b>06.30.25</b>





**Semken**

	
12,5 cm – 5" <b>06.31.12</b>	12,5 cm – 5" <b>06.31.22</b>
	
15 cm – 6" <b>06.31.15</b>	15 cm – 6" <b>06.31.25</b>

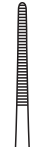

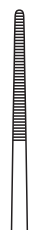





**Semken**


12,5 cm – 5" <b>06.31.32</b>



**"Select"**

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

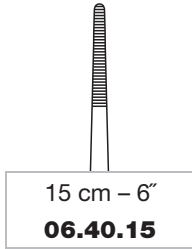


**Anatomische und chirurgische Pinzetten**  
**Dressing and Tissue Forceps**  
**Pinzas anatómicas y quirúrgicas**  
**Pinces anatomiques et chirurgicales**  
**Pinze anatomiche e chirurgiche**

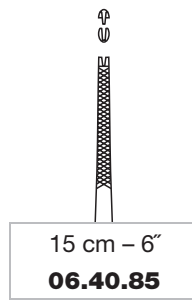
**A03**



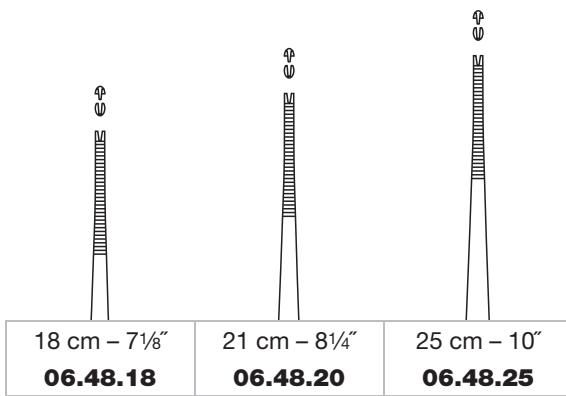
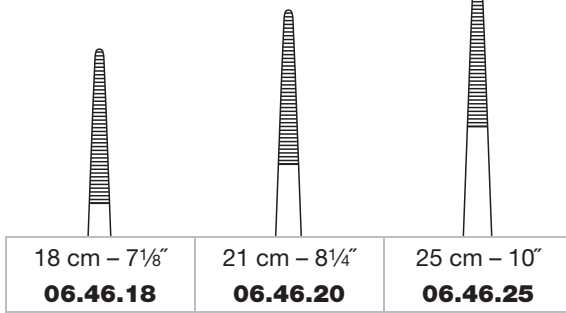
**McIndoe**



**Gillies**



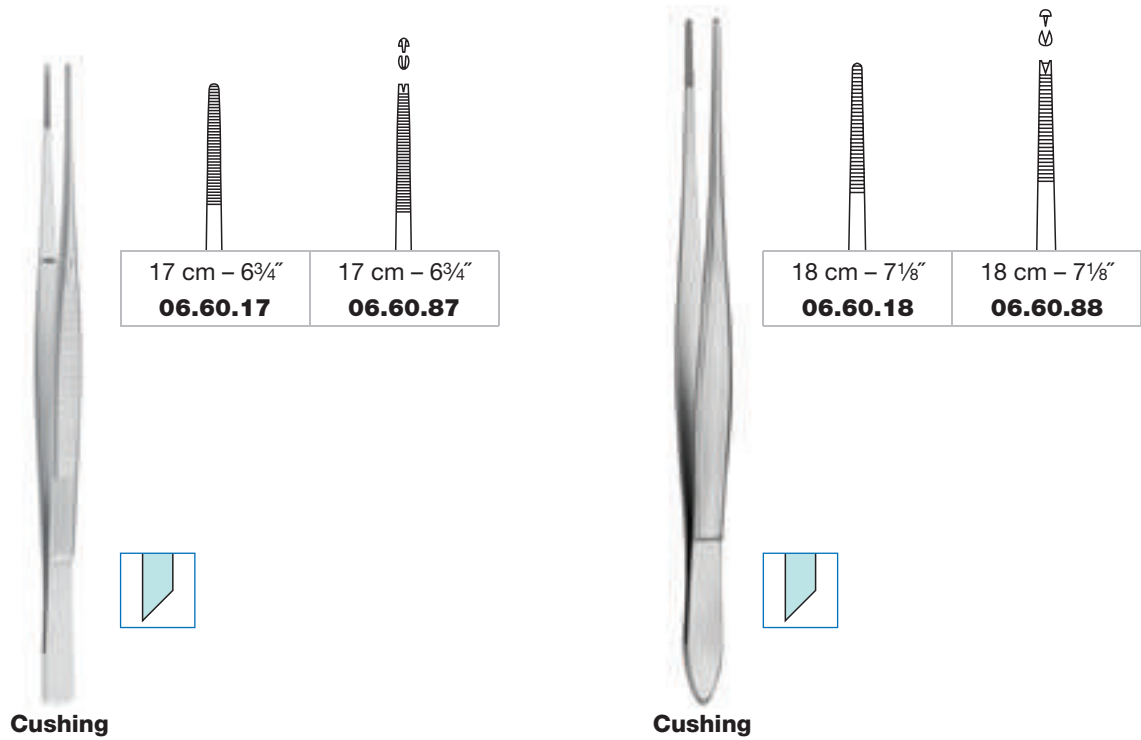
**Potts-Smith**





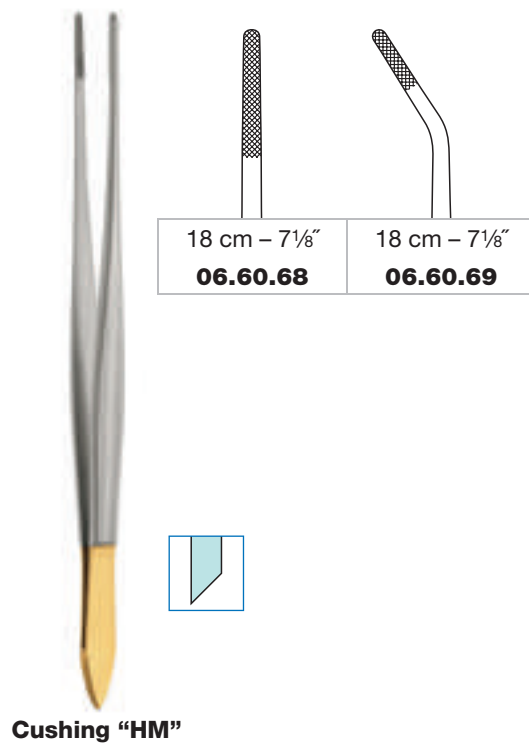
Anatomische und chirurgische Pinzetten  
 Dressing and Tissue Forceps  
 Pinzas anatómicas y quirúrgicas  
 Pinces anatomiques et chirurgicales  
 Pinze anatomiche e chirurgiche

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



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

**A03**



**DeBakey "AT"**

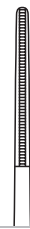
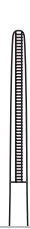
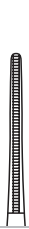


1,5 mm

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**

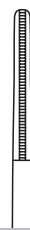
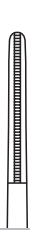
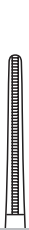
30 cm – 11¾"  
**06.50.30**

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**

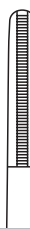
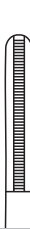
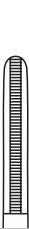
30 cm – 11¾"  
**06.54.30**

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  
 Estriás atraumáticas  
 Striure atraumatique  
 Zigrinatura atraumatica

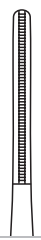
**Atraumatische Gefäßpinzetten**  
**Atraumatic Vascular Forceps**  
**Pinzas vasculares atraumáticas**  
**Pinces vasculaires atraumatiques**  
**Pinze vascolari atraumatiche**

**A03**



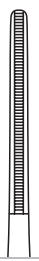


2,4 mm



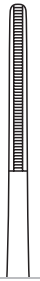
15 cm – 6"  
**06.62.15**

2,4 mm



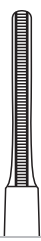
20 cm – 8"  
**06.62.19**

2,4 mm



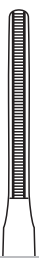
24 cm – 9½"  
**06.62.24**

2,8 mm



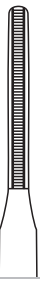
15 cm – 6"  
**06.64.15**

2,8 mm



20 cm – 8"  
**06.64.19**

2,8 mm





24 cm – 9½"  
**06.64.24**

**DeBakey "AT"**

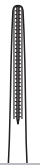
Atraumatische Gefäßpinzetten  
 Atraumatic vascular forceps  
 Pinzas vasculares atraumáticas  
 Pinces vasculaires atraumatiques  
 Pinze vascolari atraumatiche

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**



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**



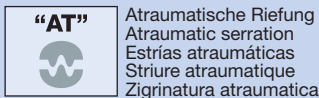
**DeBakey "AT"**

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

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



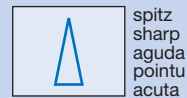
11,5 cm – 4 1/2" <b>07.60.03</b>	11,5 cm – 4 1/2" <b>07.60.04</b>	11,5 cm – 4 1/2" <b>07.60.05</b>	11,5 cm – 4 1/2" <b>07.60.07</b>
no. 3	no. 4	no. 5	no. 7



**"AT"**  
 Atraumatische Riefung  
 Atraumatic serration  
 Estrias atraumáticas  
 Striure atraumatique  
 Zigrinatura atraumatica



**Ti**  
 Titan  
 Titanium  
 Titano  
 Titane  
 Titanio

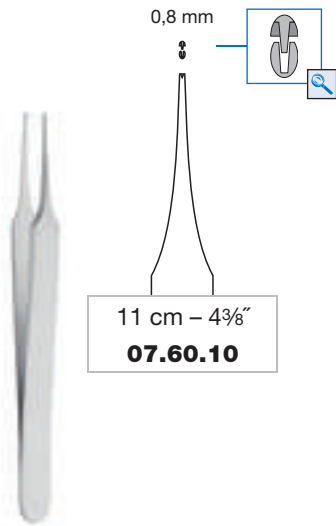


spitz  
 sharp  
 aguda  
 pointu  
 acuta

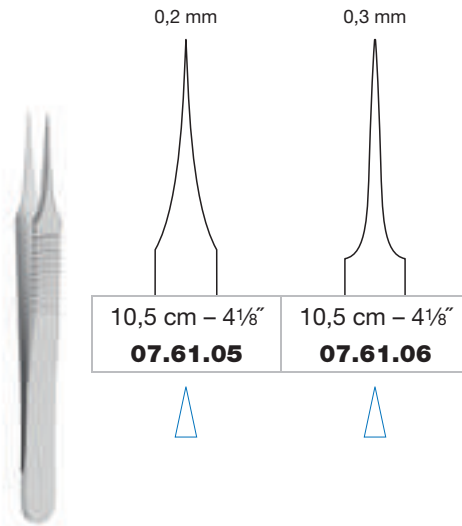


**Mikro-Pinzetten**  
**Micro Forceps**  
**Micro pinzas**  
**Micro pinces**  
**Micro pinze**

**A03**

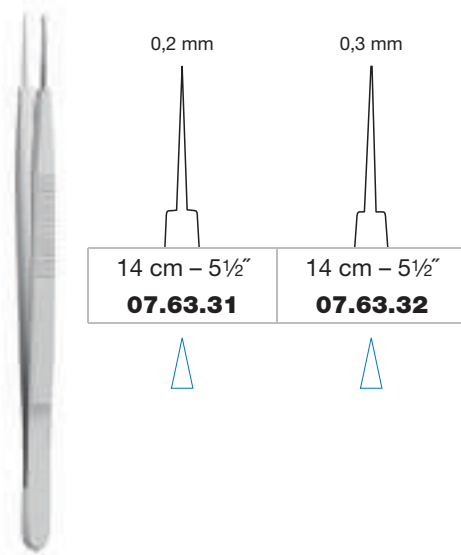


11 cm - 4<sup>3</sup>/<sub>8</sub>"  
**07.60.10**



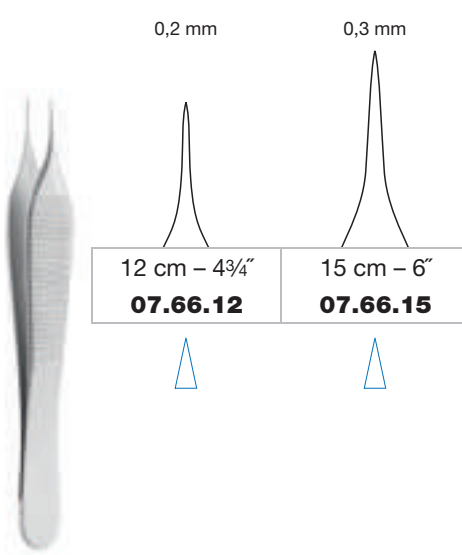
10,5 cm - 4<sup>1</sup>/<sub>8</sub>" **07.61.05**  
10,5 cm - 4<sup>1</sup>/<sub>8</sub>" **07.61.06**

**micro 2000**



14 cm - 5<sup>1</sup>/<sub>2</sub>" **07.63.31**  
14 cm - 5<sup>1</sup>/<sub>2</sub>" **07.63.32**

**micro 2000**



12 cm - 4<sup>3</sup>/<sub>4</sub>" **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"
<b>07.64.03</b>	<b>07.64.13</b>	<b>07.64.04</b>	<b>07.64.14</b>

**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"
<b>07.61.11</b>	<b>07.61.12</b>	<b>07.61.14</b>	<b>07.72.19</b>

**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"
<b>07.64.63</b>	<b>07.64.73</b>	<b>07.64.64</b>	<b>07.64.74</b>
			



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"
<b>07.64.83</b>	<b>07.64.93</b>	<b>07.64.84</b>	<b>07.64.94</b>
			



spitz  
sharp  
aguda  
pointu  
acuta




stumpf  
blunt  
roma  
mousse  
smussa



0,4 mm	0,4 mm	0,5 mm
11 cm – 4 <sup>3</sup> / <sub>8</sub> "	15 cm – 6"	18 cm – 7 <sup>1</sup> / <sub>8</sub> "
<b>07.70.11</b>	<b>07.70.15</b>	<b>07.70.18</b>

**Jacobson**

0,8 mm	1,2 mm	1,0 mm
16,5 cm – 6 <sup>1</sup> / <sub>2</sub> "	16,5 cm – 6 <sup>1</sup> / <sub>2</sub> "	19 cm – 7 <sup>1</sup> / <sub>2</sub> "
<b>07.75.30</b>	<b>07.75.31</b>	<b>07.75.32</b>

 spitz  
sharp  
aguda  
pointu  
acuta



**Mikro-Pinzetten**  
**Micro Forceps**  
**Micro pinzas**  
**Micro pinces**  
**Micro pinze**

**A03**



**Ti**

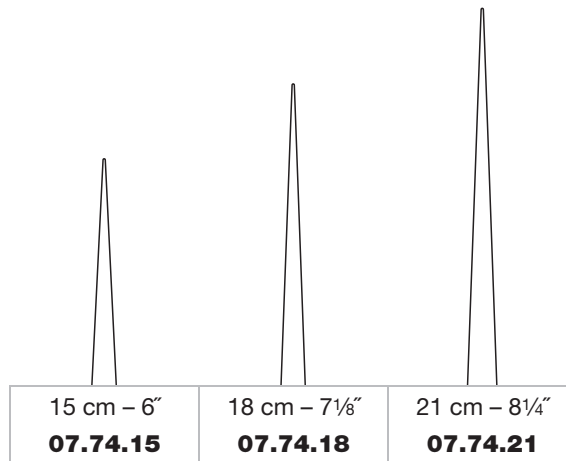
8 mm



0,4 mm

0,4 mm

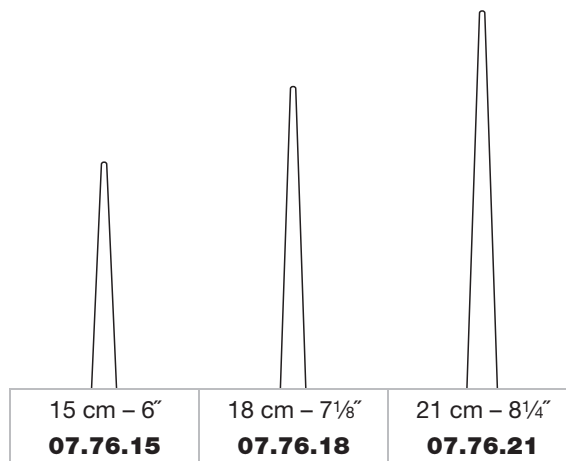
0,4 mm



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



18,5 cm – 7¼"  
**59.19.10**

Ø 1,0 mm



18,5 cm – 7¼"  
**59.19.11**

Ø 1,0 mm



21 cm – 8¼"  
**59.19.12**

Ø 1,0 mm



21 cm – 8¼"  
**59.19.13**



Ø 1,0 mm



18 cm – 7⅛"  
**59.19.14**

Ø 1,0 mm



21 cm – 8¼"  
**59.19.15**

Ø 1,0 mm



21 cm – 8¼"  
**59.19.16**



0,4 mm



18 cm – 7⅛"  
**59.19.17**

0,4 mm



21 cm – 8¼"  
**59.19.18**

0,4 mm



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"  
**59.45.15**

18 cm – 7 1/8"  
**59.45.18**

21 cm – 8 1/4"  
**59.45.21**

Ø 2,0 mm

Ø 2,0 mm

Ø 2,0 mm



15 cm – 6"  
**59.46.15**

18 cm – 7 1/8"  
**59.46.18**

21 cm – 8 1/4"  
**59.46.21**



Ø 1,0 mm

Ø 1,0 mm

Ø 1,0 mm



15 cm – 6"  
**59.47.15**

18 cm – 7 1/8"  
**59.47.18**

21 cm – 8 1/4"  
**59.47.21**



Ø 2,0 mm

Ø 2,0 mm

Ø 2,0 mm



15 cm – 6"  
**59.48.15**


18 cm – 7 1/8"  
**59.48.18**

21 cm – 8 1/4"  
**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



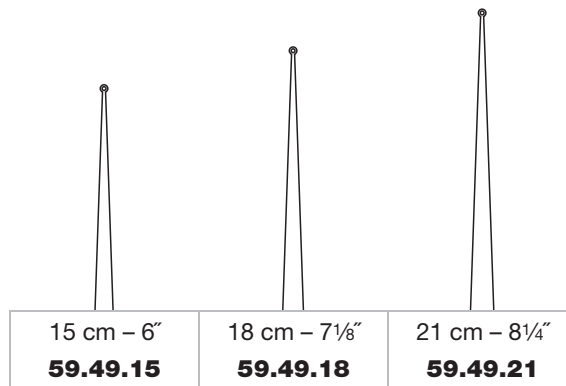
mit Gewicht  
 with weight  
 con peso  
 avec poids  
 con peso



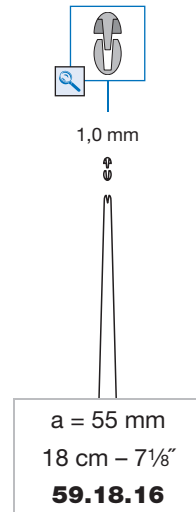
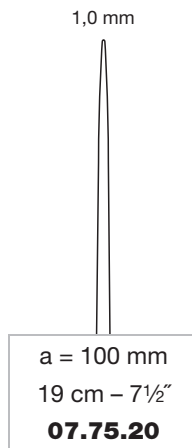
Ø 1,0 mm

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

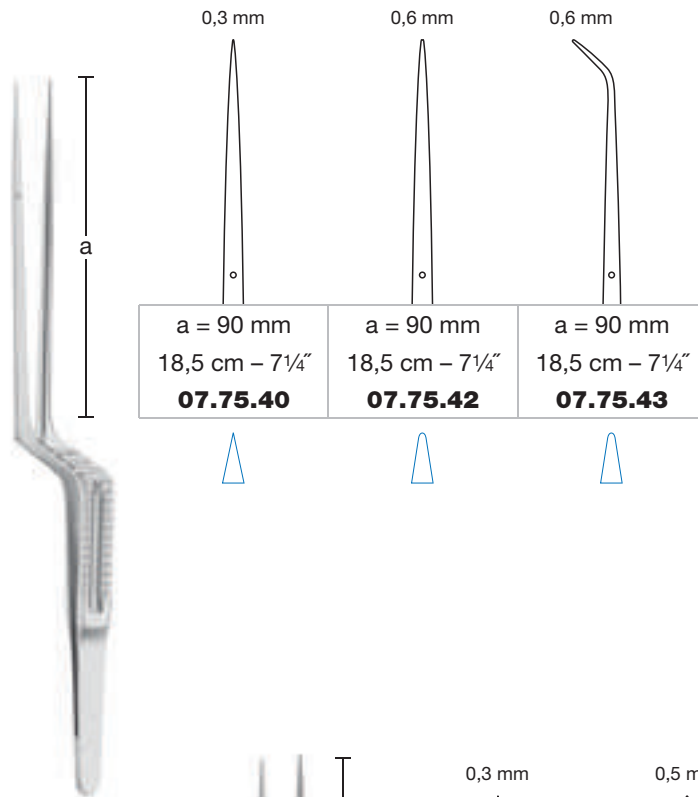


**Mikro-Pinzetten**  
**Micro Forceps**  
**Micro pinzas**  
**Micro pinces**  
**Micro pinze**

# 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



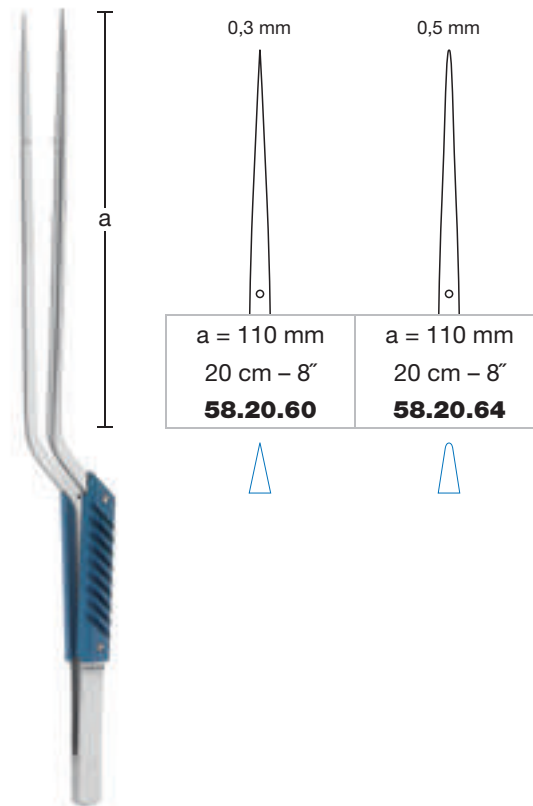
Instrumente mit blau eloxierten  
 Leichtmetall-Griffen für höchste  
 Präzision und Arbeitskomfort.

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



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



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 - 8 3/4"

**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 – 7¼"	a = 95 mm 19,5 cm – 7¾"	a = 80 mm 18,5 cm – 7¼"
<b>07.26.18</b>	<b>07.26.19</b>	<b>07.27.18</b>



**Cushing (Taylor)**



a = 95 mm 18,5 cm – 7¼"
<b>07.26.68</b>



**Cushing (Taylor) "HM"**



a = 85 mm 16 cm – 6¼"	a = 95 mm 19,5 cm – 7¾"
<b>07.30.16</b>	<b>07.30.19</b>
a = 85 mm 16 cm – 6¼"	a = 95 mm 19,5 cm – 7¾"
<b>07.31.16</b>	<b>07.31.19</b>

**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

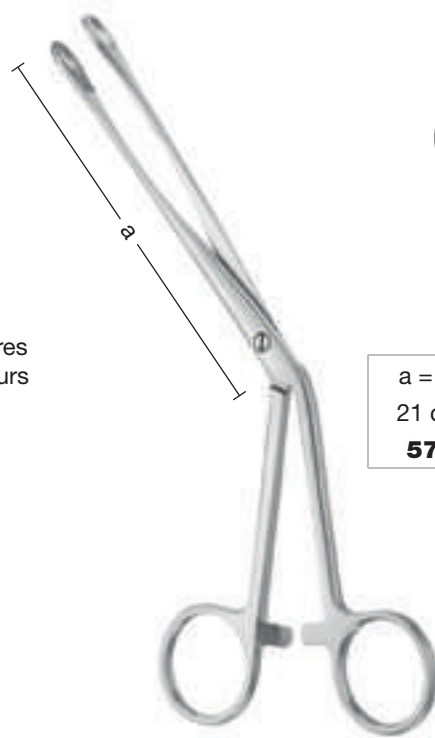


a = 40 mm  
 16,5 cm – 6½”  
**59.44.43**

Ø 5 mm



a = 40 mm  
 16,5 cm – 6½”  
**59.44.45**



**Toennis**

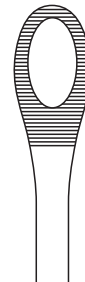
Tumorfasszangen  
 Tumor grasping forceps  
 Pinzas para agarrar tumores  
 Pinces à saisir pour tumeurs  
 Pinze per afferrare tumori

7 mm



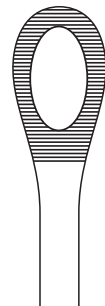
a = 100 mm  
 21 cm – 8¼”  
**57.29.07**

10 mm



a = 105 mm  
 21 cm – 8¼”  
**57.29.10**

12 mm

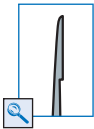


a = 110 mm  
 21 cm – 8¼”  
**57.29.12**



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

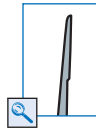
**A03**



0,3 mm

10,5 cm - 4 1/8"  
**13.70.42**

**micro 2000**



8 mm



0,3 mm



12 cm - 4 3/4"  
**13.71.50**



0,3 mm



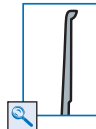
15 cm - 6"  
**13.71.60**



0,3 mm



18 cm - 7 1/8"  
**13.71.70**



8 mm



0,3 mm



12 cm - 4 3/4"  
**13.71.52**

0,3 mm



15 cm - 6"  
**13.71.62**

0,3 mm



18 cm - 7 1/8"  
**13.71.72**



Vergrößerung  
Magnification  
Engrandecimiento  
Agrandissement  
Ingrandimento



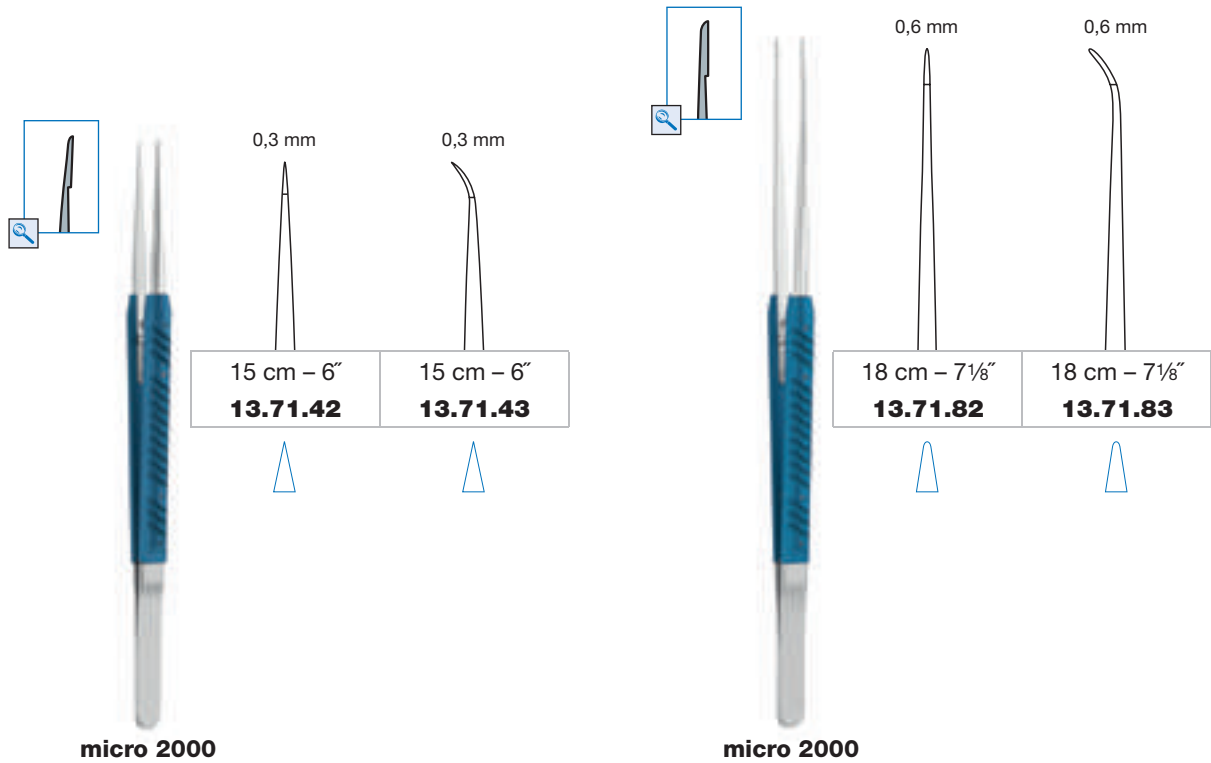
Rundgriff  
Round handle  
Mango redondo  
Manche rond  
Manico rotondo



spitz  
sharp  
aguda  
pointu  
acuta

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

**A03**



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.



spitz  
sharp  
aguda  
pointu  
acuta



stumpf  
blunt  
roma  
mousse  
smussa

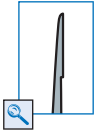


Vergrößerung  
Magnification  
Engrandecimiento  
Agrandissement  
Ingrandimento



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

**A03**



0,5 mm

0,8 mm

14 cm – 5½"

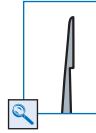
14 cm – 5½"

**13.70.72**

**13.70.74**



**micro 2000**



0,3 mm

0,3 mm

12 cm – 4¾"

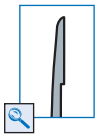
12 cm – 4¾"

**13.71.22**

**13.71.23**



**micro 2000**



0,6 mm

23 cm – 9"

**13.71.84**



8 mm



0,8 mm

18 cm – 7½"

**13.71.86**



**Austin**



Rundgriff  
Round handle  
Mango redondo  
Manche rond  
Manico rotondo



spitz  
sharp  
aguda  
pointu  
acuta



stumpf  
blunt  
roma  
mousse  
smussa



Vergrößerung  
Magnification  
Engrandecimiento  
Agrandissement  
Ingrandimento

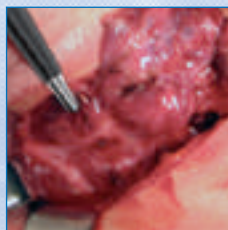
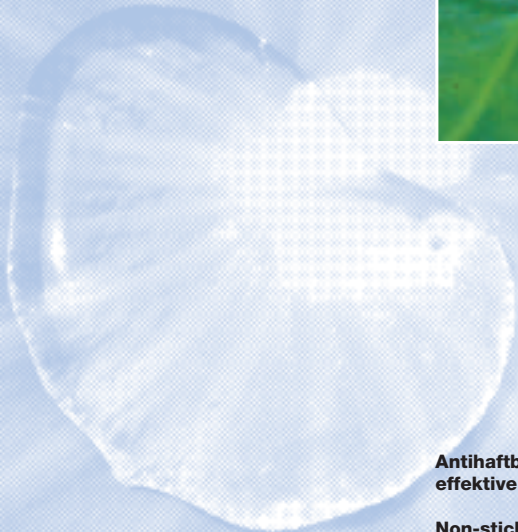
Kein Anhaften von Biogewebe ◀  
 Schnelle Wärme- und Stromableitung ◀  
 Einfache Reinigung ◀

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**





A04

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

**MAGIC**  
non-stick



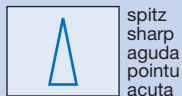
	0,6 mm	1,0 mm	
	15 cm – 6"	15 cm – 6"	
	<b>88.07.02</b>	<b>88.07.03</b>	
	0,6 mm	1,0 mm	
18 cm – 7 1/8"	18 cm – 7 1/8"		
<b>88.07.07</b>	<b>88.07.08</b>		
0,6 mm	1,0 mm		
20 cm – 8"	20 cm – 8"		
<b>88.07.12</b>	<b>88.07.13</b>		

	1,3 mm	
	20 cm – 8"	
	<b>88.07.14</b>	
	2,0 mm	
20 cm – 8"		
<b>88.07.15</b>		

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"
	<b>88.07.81</b>	<b>88.07.82</b>	<b>88.07.83</b>



spitz  
sharp  
aguda  
pointu  
acuta



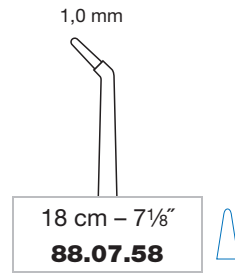
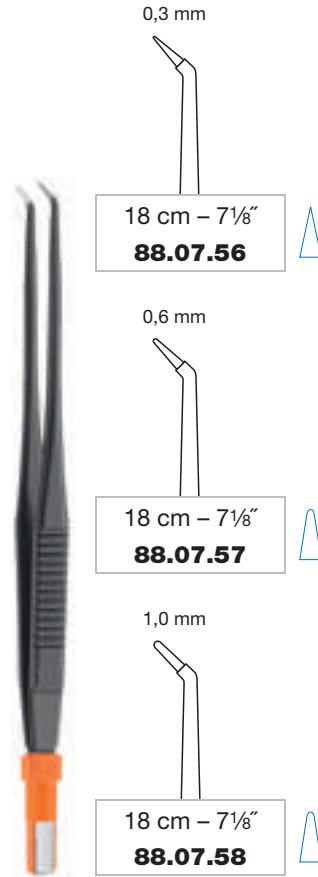
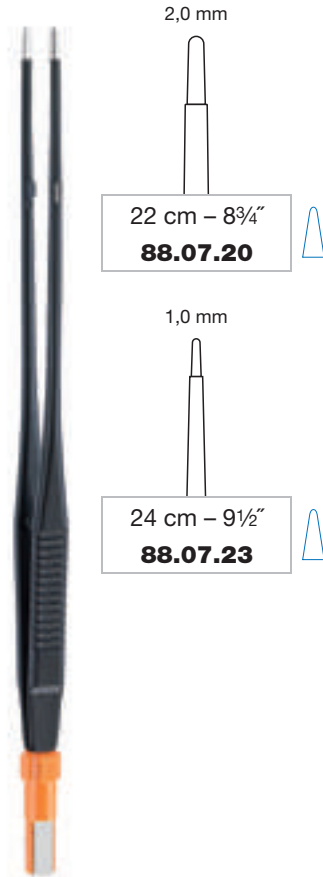
stumpf  
blunt  
roma  
mousse  
smussa



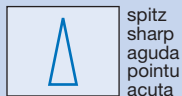
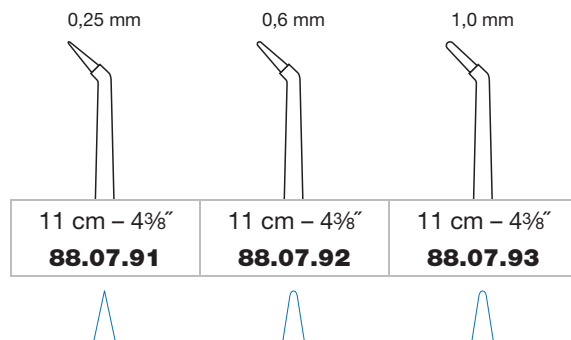
**MAGIC**  
non-stick

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

**A04**



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"
<b>88.08.01</b>	<b>88.08.02</b>	<b>88.08.03</b>	<b>88.08.04</b>	<b>88.08.05</b>
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"
<b>88.08.06</b>	<b>88.08.07</b>	<b>88.08.08</b>	<b>88.08.09</b>	<b>88.08.10</b>
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"
<b>88.08.11</b>	<b>88.08.12</b>	<b>88.08.13</b>	<b>88.08.14</b>	<b>88.08.15</b>



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

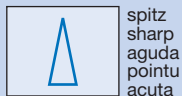


0,3 mm 	0,6 mm 	1,0 mm 
a = 80 mm 18 cm – 7 1/8"	a = 80 mm 18 cm – 7 1/8"	a = 80 mm 18 cm – 7 1/8"
<b>88.08.91</b>	<b>88.08.92</b>	<b>88.08.93</b>

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"
<b>88.08.71</b>	<b>88.08.72</b>	<b>88.08.73</b>

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

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



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"
<b>88.17.05</b>	<b>88.17.06</b>	<b>88.17.07</b>	<b>88.17.08</b>
0,15 mm	0,6 mm	0,15 mm	0,6 mm
20 cm – 8"	20 cm – 8"	20 cm – 8"	20 cm – 8"
<b>88.20.05</b>	<b>88.20.06</b>	<b>88.20.07</b>	<b>88.20.08</b>

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



1,0 mm	1,0 mm
a = 90 mm	a = 90 mm
19 cm – 7½"	19 cm – 7½"
<b>88.70.38</b>	<b>88.70.39</b>



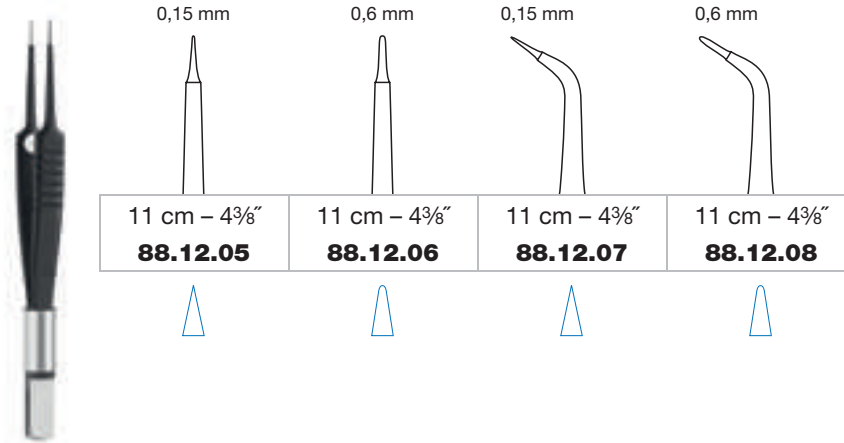
spitz  
 sharp  
 aguda  
 pointu  
 acuta



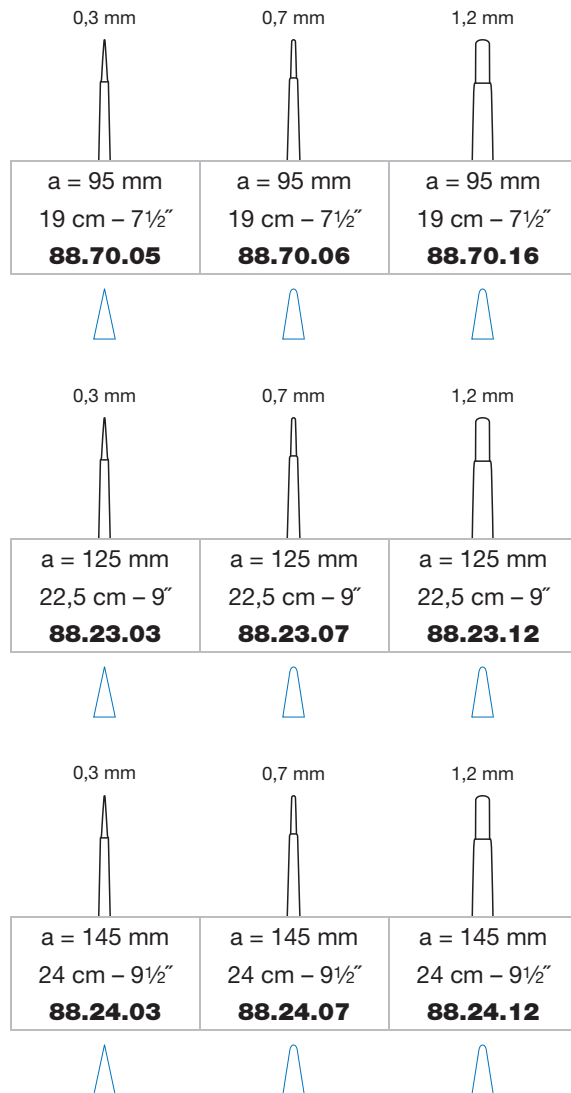
stumpf  
 blunt  
 roma  
 mousse  
 smussa

**Bipolare Pinzetten**  
**Bipolar Forceps**  
**Pinzas bipolares**  
**Pinces bipolaires**  
**Pinze bipolari**

**A04**



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



spitz  
 sharp  
 aguda  
 pointu  
 acuta



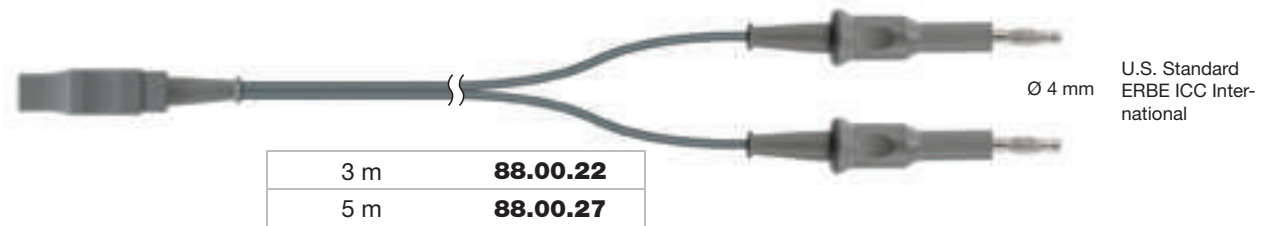
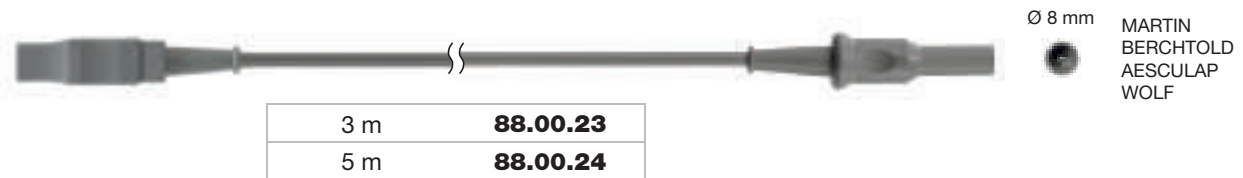
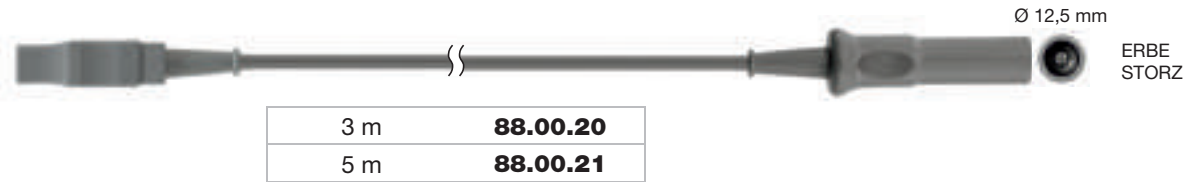
stumpf  
 blunt  
 roma  
 mousse  
 smussa

**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**



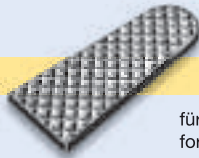
A05

## “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**

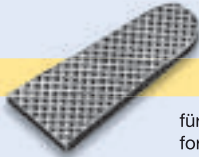
normal  
 regular  
 normal  
 normale  
 normale



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**

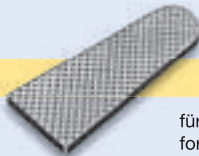
fein  
 fine  
 fine  
 fine  
 fine



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

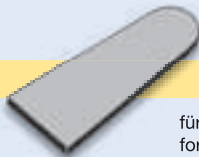
**EF 0,3 mm**

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



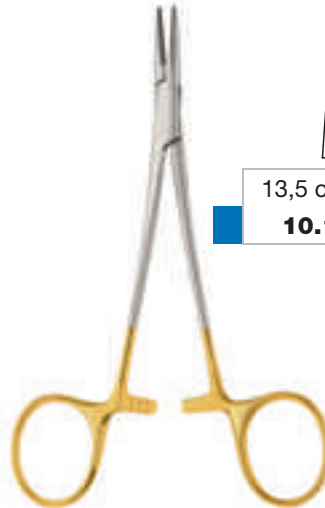
für feine Nadeln und Nahtmaterial in der Stärke 7-0 bis 10-0  
 for delicate needles and sutures from sizes 7-0 to 10-0  
 para agujas finas y material de sutura para espesores 7-0 y 10-0  
 pour aiguilles fines et matériel à suture d'une épaisseur de 7-0 à 10-0  
 per aghi fini e materiale per sutura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





12,5 cm – 5"  
**10.08.62**

**Neivert "HM"**



13,5 cm – 5<sup>3</sup>/<sub>8</sub>"  
**10.10.63**

**Halsey "HM"**



**N** 14 cm – 5<sup>1</sup>/<sub>2</sub>"  
**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



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**

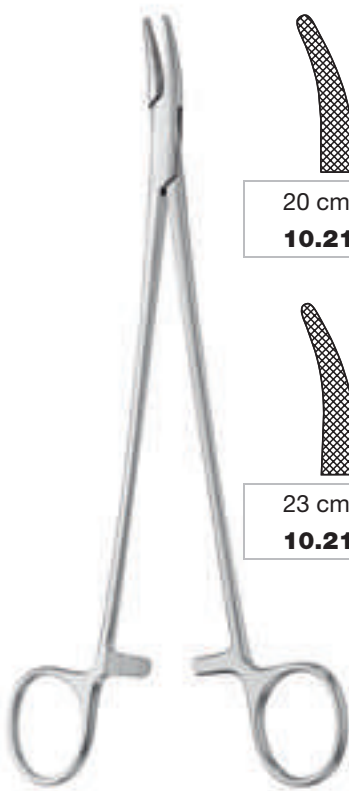
**"HM"**  
 Hartmetall  
 Tungsten carbide  
 Carburo de tungsteno  
 Carbure de tungstène  
 Carburo di tungsteno

**F**  
 fein  
 fine  
 fino  
 fine  
 fine

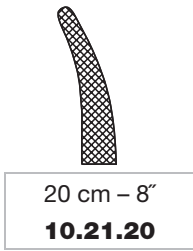


**Nadelhalter**  
**Needle Holders**  
**Porta-agujas**  
**Porte-aiguilles**  
**Portaghi**

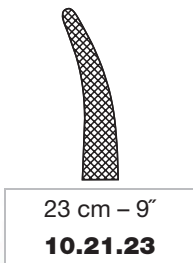
**A05**



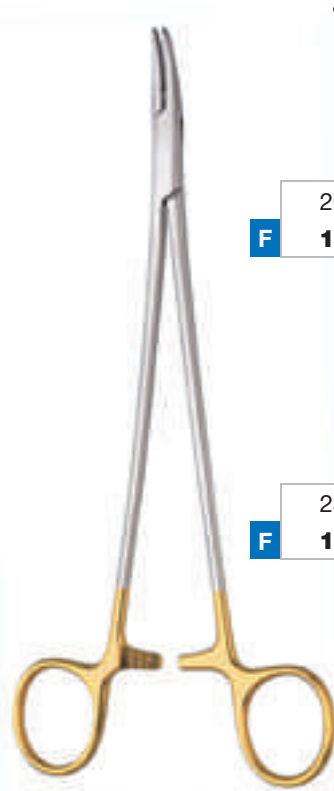
**Julian**



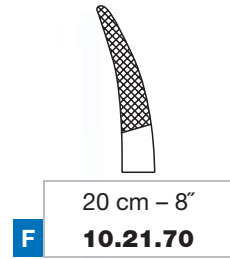
20 cm – 8"  
**10.21.20**



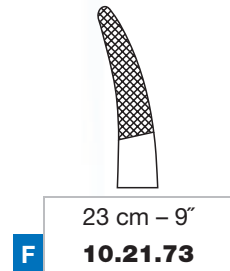
23 cm – 9"  
**10.21.23**



**Julian "HM"**



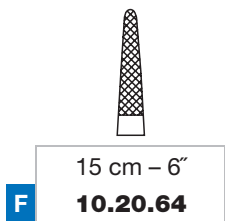
**F** 20 cm – 8"  
**10.21.70**



**F** 23 cm – 9"  
**10.21.73**



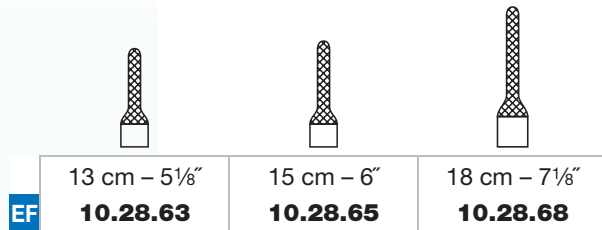
**Baby-Crile-Wood "HM"**



**F** 15 cm – 6"  
**10.20.64**



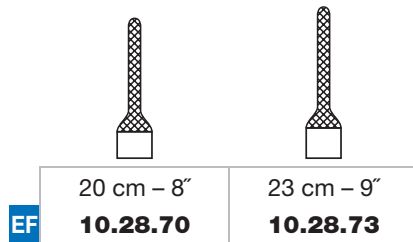
**Mini-Ryder "HM"**



**EF** 13 cm – 5 1/8"  
**10.28.63**

**15 cm – 6"**  
**10.28.65**

**18 cm – 7 1/8"**  
**10.28.68**



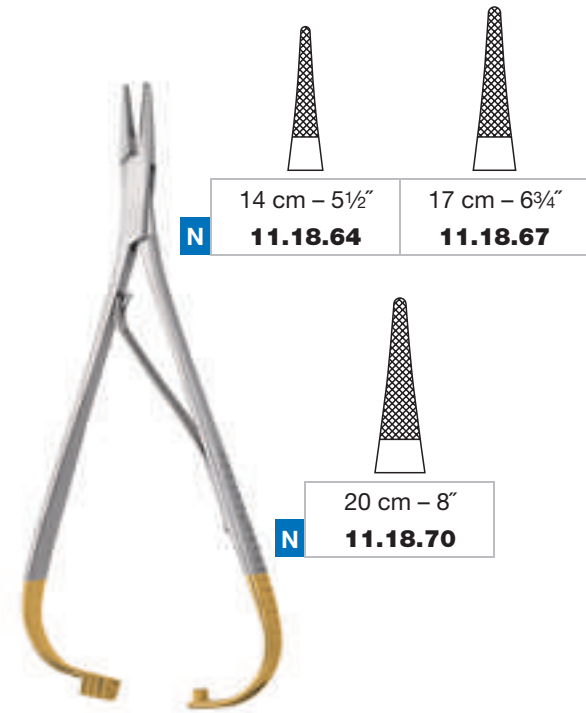
**EF** 20 cm – 8"  
**10.28.70**

**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

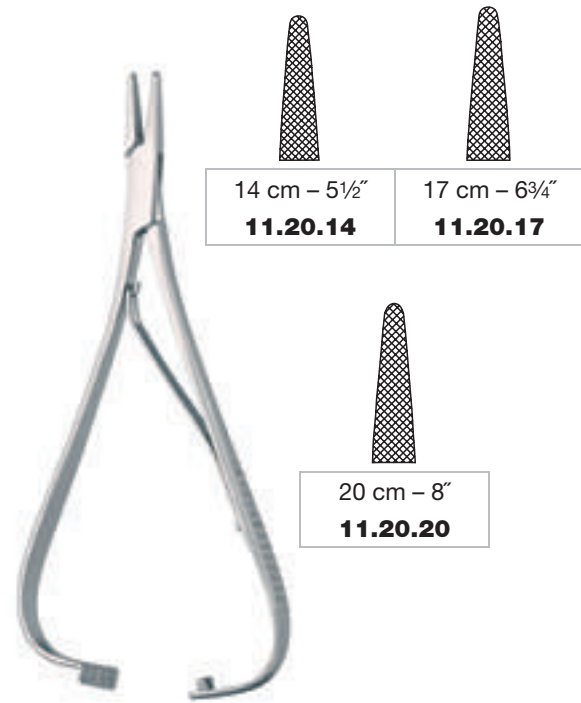
**"HM"**  
Hartmetall  
Tungsten carbide  
Carburo de tungsteno  
Carbure de tungstène  
Carburo di tungsteno



<b>N</b>	14 cm – 5½"	17 cm – 6¾"
	<b>11.18.64</b>	<b>11.18.67</b>

<b>N</b>	20 cm – 8"
	<b>11.18.70</b>

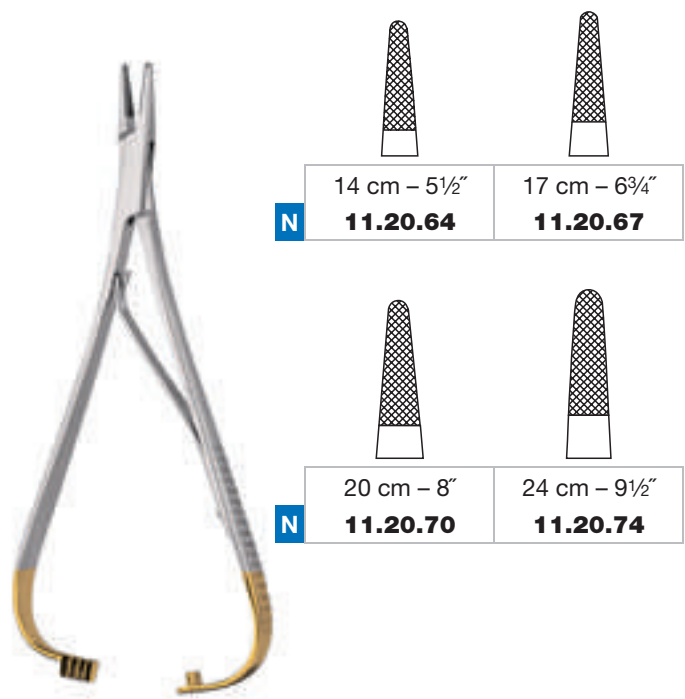
**Mathieu-Kocher "HM"**



14 cm – 5½"	17 cm – 6¾"
<b>11.20.14</b>	<b>11.20.17</b>

20 cm – 8"
<b>11.20.20</b>

**Mathieu**



<b>N</b>	14 cm – 5½"	17 cm – 6¾"
	<b>11.20.64</b>	<b>11.20.67</b>

<b>N</b>	20 cm – 8"	24 cm – 9½"
	<b>11.20.70</b>	<b>11.20.74</b>

**Mathieu "HM"**

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

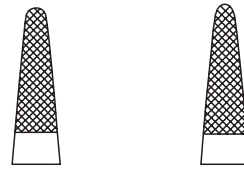
**N**  
 4-0  
 normal  
 regular  
 normal  
 normale  
 normale

**A05**

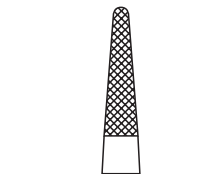
**Nadelhalter und Mikro-Nadelhalter**  
**Needle Holders and Micro Needle Holders**  
**Porta-agujas y micro porta-agujas**  
**Porte-aiguilles et micro porte-aiguilles**  
**Portaghi e micro portaghi**



<b>N</b>	16 cm – 6¼"	18 cm – 7½"
	<b>11.34.66</b>	<b>11.34.68</b>



<b>N</b>	16 cm – 6¼"	18 cm – 7½"
	<b>11.36.66</b>	<b>11.36.68</b>



<b>N</b>	20 cm – 8"
	<b>11.34.70</b>



<b>N</b>	20 cm – 8"
	<b>11.36.70</b>

**Toennis "HM"****Langenbeck "HM"**

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



	13 cm – 8½"
	<b>11.62.63</b>

**Castroviejo "HM"**

	14 cm – 5½"	17 cm – 6¾"
	<b>11.62.14</b>	<b>11.62.17</b>



	14 cm – 5½"	17 cm – 6¾"
	<b>11.62.15</b>	<b>11.62.18</b>

**Castroviejo**

	glatt smooth liso liscia
7-0 to 10-0	

<b>N</b>	normal regular normal normale normale
4-0	

<b>"HM"</b>	Hartmetall Tungsten carbide Carburo de tungsteno Carbure de tungstène Carburo di tungsteno
-------------	--

	mit Sperre with catch con cremallera avec crémaillère con cremagliera
--	---



**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**



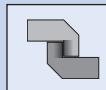
17 cm – 6¾"  
**11.62.87**



**Castroviejo "HM"**

**"HM"**

Hartmetall  
 Tungsten carbide  
 Carburo de tungsteno  
 Carbone 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**



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**



**Jacobson "HM"**



16 cm – 6¼"  
**12.15.50**



16 cm – 6¼"  
**12.15.51**



18 cm – 7⅛"  
**11.84.68**



18 cm – 7⅛"  
**11.85.68**



18 cm – 7⅛"  
**11.86.68**




18 cm – 7⅛"  
**11.87.68**




**Yasargil**




**Jacobson "HM"**

 glatt  
smooth  
liso  
liscia

 fein  
fine  
fino  
fine

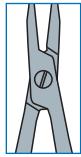
**"HM"**  
Hartmetall  
Tungsten carbide  
Carburo de tungsteno  
Carbure de tungstène  
Carburo di tungsteno

 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

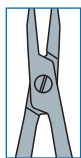


0,5 mm



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

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



0,4 mm



0,4 mm



0,5 mm



0,5 mm



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

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

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**



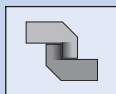
18 cm – 7 1/8"  
**12.18.73**



18 cm – 7 1/8"  
**12.18.74**



18 cm – 7 1/8"  
**12.18.75**



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



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

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

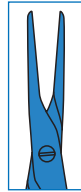
Instrumentos con mangos de metal  
 ligero anodizados en azul para la  
 precisión y el confort de trabajo  
 máximo.

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.

**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**



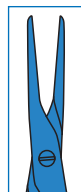
15 cm – 6"  
**12.16.77**



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"
<b>12.12.40</b>	<b>12.12.41</b>

12 cm - 4¾"	12 cm - 4¾"
<b>12.12.42</b>	<b>12.12.43</b>

12 cm - 4¾"
<b>12.12.48</b>



micro 2000

15 cm - 6"	15 cm - 6"
<b>12.15.30</b>	<b>12.15.31</b>

15 cm - 6"	15 cm - 6"
<b>12.15.32</b>	<b>12.15.33</b>



Yasargil

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

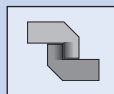
a = 70 mm 16 cm - 6¼"	a = 90 mm 18,5 cm - 7¼"
<b>58.16.48</b>	<b>58.19.40</b>



Yasargil

a = 85 mm 20 cm - 8"	a = 100 mm 23 cm - 9"
<b>59.20.40</b>	<b>59.23.42</b>

a = 85 mm 20 cm - 8"	a = 100 mm 23 cm - 9"
<b>59.20.45</b>	<b>59.23.45</b>



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**

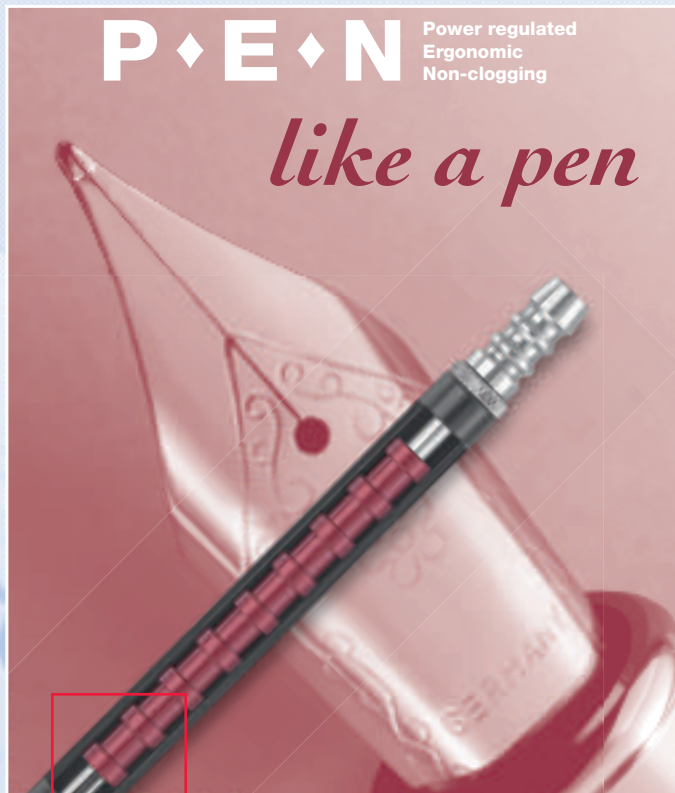
Konisches Saugrohr verhindert ein Verstopfen der Kanüle  
 Bajonettverschluss für schnellen Kanülenwechsel  
 Einfache Zerlegbarkeit für optimale Reinigung

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



**P♦E♦N** Power regulated  
 Ergonomic  
 Non-clogging

*like a pen*

**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:

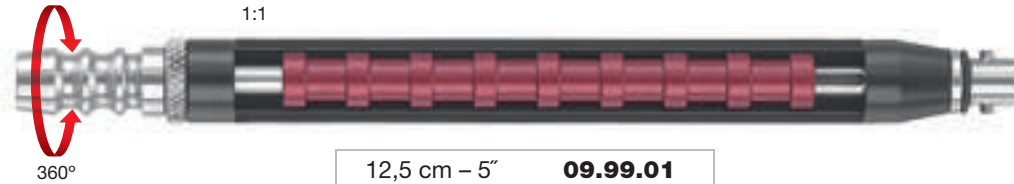
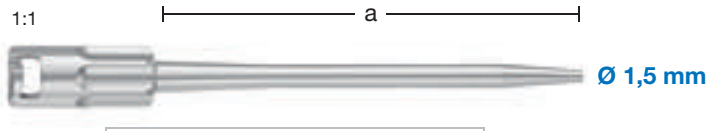
**Prof. Marco Cenzato**  
 Head of Department Neuro Surgery  
 Hospital Niguarda Ca' Granda - Milan

**A06**

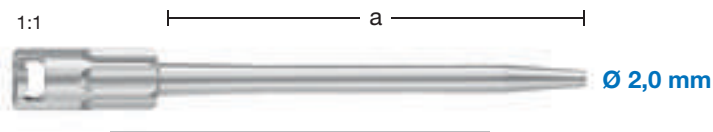
**Saug- und Spülinstrumente**  
**Suction and Irrigating Instruments**  
**Instrumentos de aspiración y de lavado**  
**Instrumenti à aspiration et à irrigation**  
**Strumenti per aspirazione e lavaggio**

**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**

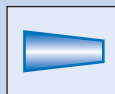
Saugkanülen (biegbar)  
 Suction cannulas (malleable)  
 Cánulas de aspiración (maleables)  
 Canules à aspiration (malléables)  
 Cannule per aspirazione (malleabili)

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**<sub>10</sub>**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

1:1

♀ Luer-Lock

**Quincke**

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

1:1

♀ Luer-Lock

**Tuohy**

a = 80 mm	<b>09.73.12</b>	Ø 1,30 mm
a = 80 mm	<b>09.73.14</b>	Ø 1,50 mm
a = 80 mm	<b>09.73.16</b>	Ø 1,65 mm

1:1

♀ Luer

**Bier**

a = 80 mm	<b>09.73.92</b>	Ø 1,2 mm
a = 90 mm	<b>09.73.93</b>	Ø 1,2 mm

1:1

♀ Luer-Lock

**Klima-Rosegger**

a = 35 mm	<b>09.70.18</b>	Ø 1,8 mm
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graduiert in cm  
 graduated in cms  
 graduado en cm  
 graduée en cm  
 graduato in cm

1:1

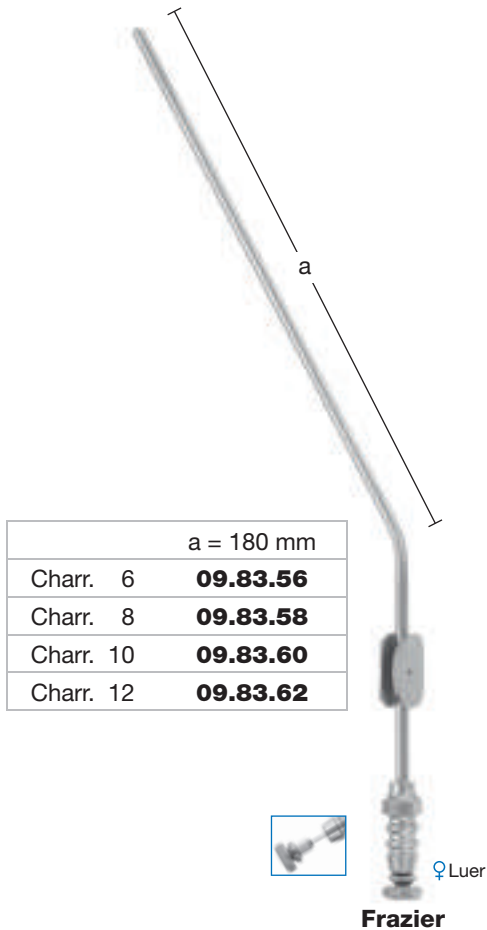
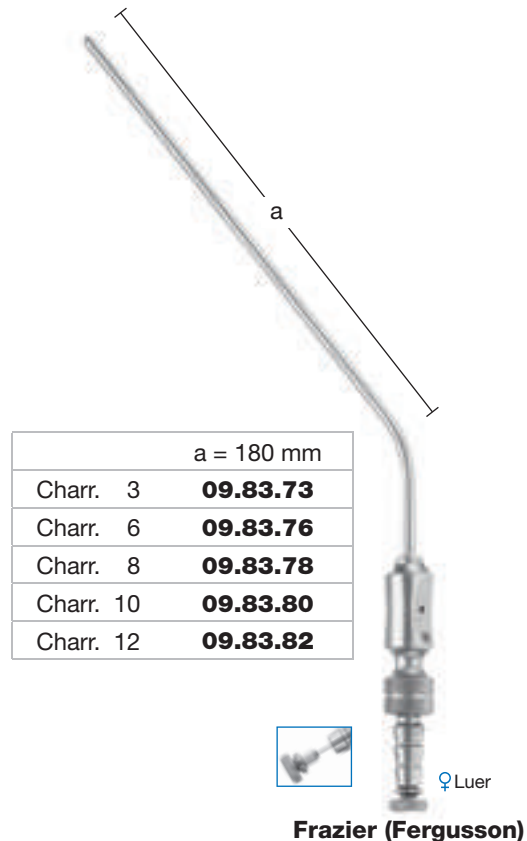
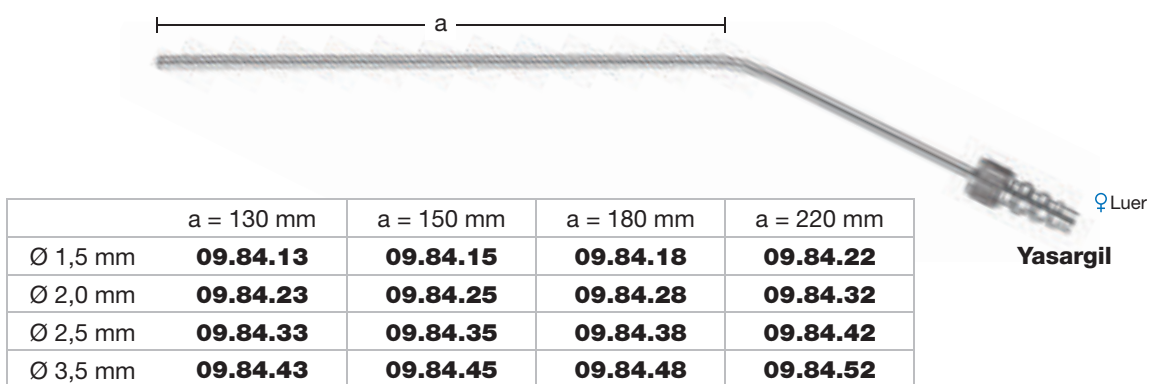
♀ Luer-Lock

**Frazier**

a = 100 mm	<b>57.39.02</b>	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 mandrin  
 con mandrino



**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**

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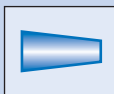
„Tropfen“-Saugkanülen (biegbar)  
 “Drop-shape design” suction cannulas (malleable)  
 Cánulas de aspiración con dispositivo en forma de “gota” (maleables)  
 Canules à aspiration avec dispositif en forme de “goutte” (malléables)  
 Cannule per aspirazione con dispositivo a forma di “goccia” (malleabili)



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	<b>58.24.15</b>	<b>58.24.21</b>
Ø 1,5 mm	<b>58.24.16</b>	<b>58.24.22</b>
Ø 2,0 mm	<b>58.24.17</b>	<b>58.24.23</b>
Ø 2,5 mm	<b>58.24.18</b>	<b>58.24.24</b>
Ø 3,0 mm	<b>58.24.19</b>	<b>58.24.25</b>
Ø 4,0 mm	<b>58.24.20</b>	<b>58.24.26</b>
Ø 5,0 mm	<b>58.24.30</b>	<b>58.24.31</b>



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

**Ti**

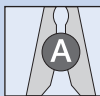
1:1

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

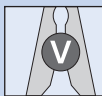
**Ti**

1:1

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



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**

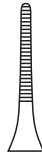


1:1

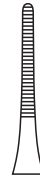
**Diethrich**



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**

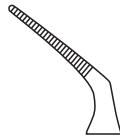


1:1

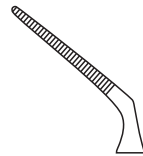
**Diethrich**



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**



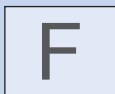
3,8 cm – 1½"  
**15.11.38**



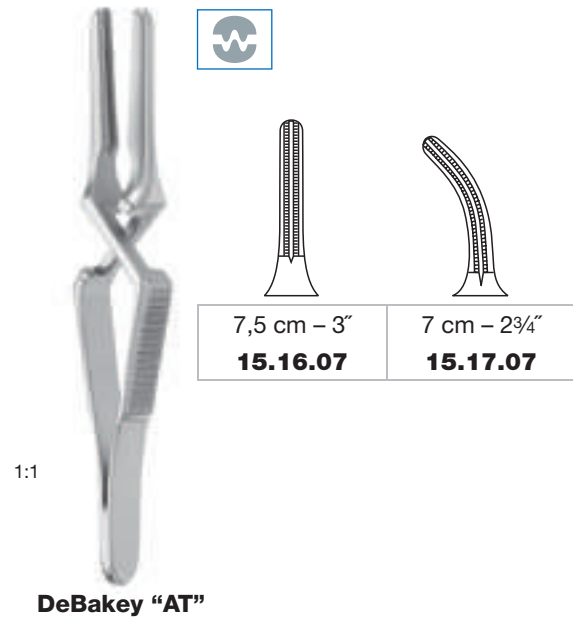
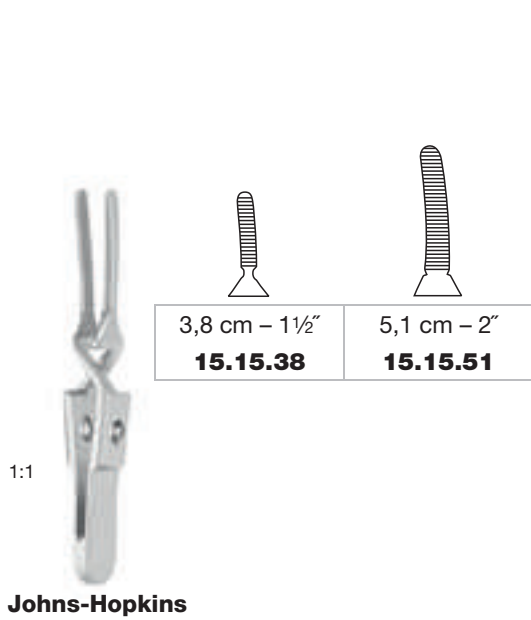
5,1 cm – 2"  
**15.11.51**



Gewicht  
Weight  
Peso  
Poids  
Peso



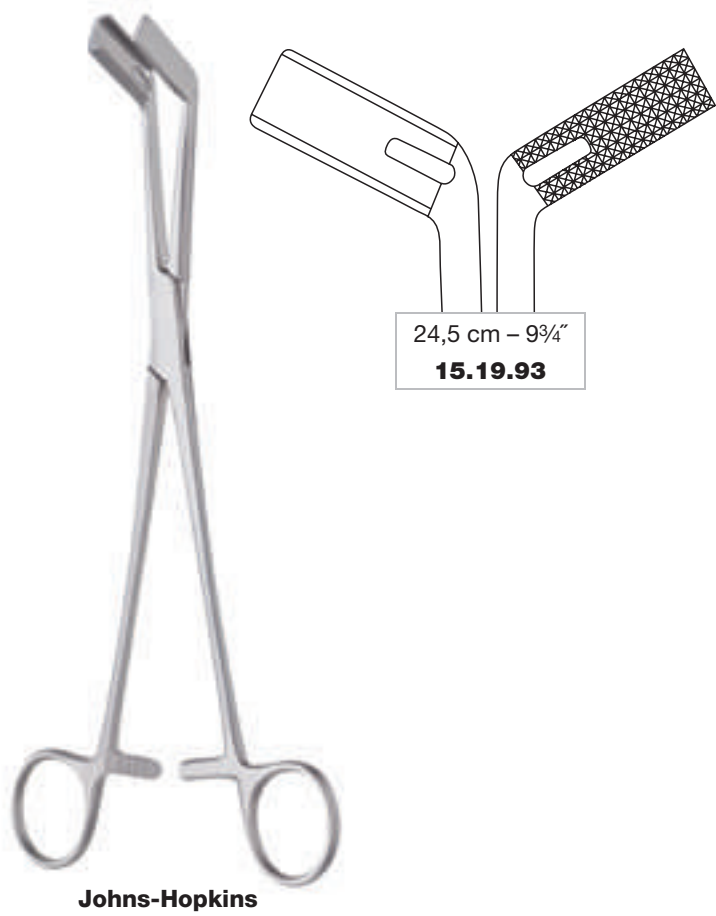
Schließkraft  
Closing pressure  
Fuerza de cierre  
Force de fermeture  
Forza di chiusura



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"**



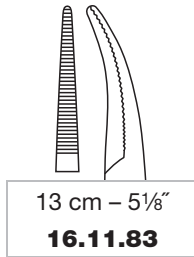
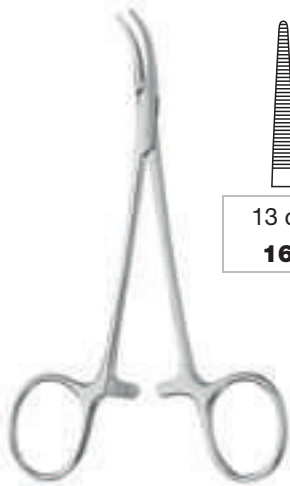
**"AT"**  
  
 Atraumatiche Riefung  
 Atraumatic serration  
 Estrías atraumáticas  
 Striure atraumatique  
 Zigrinatura atraumatica



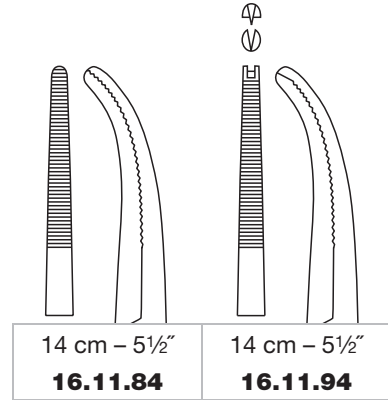
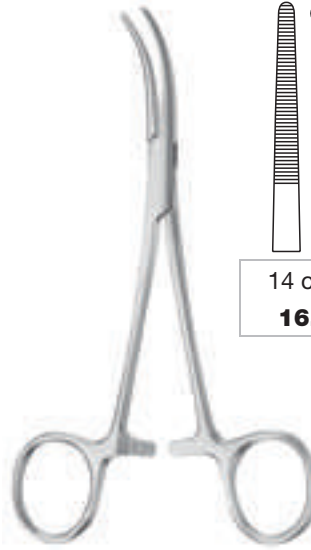
A07

**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

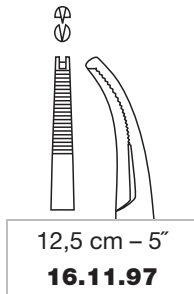


**Dandy-Baby**

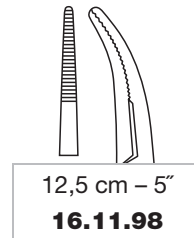
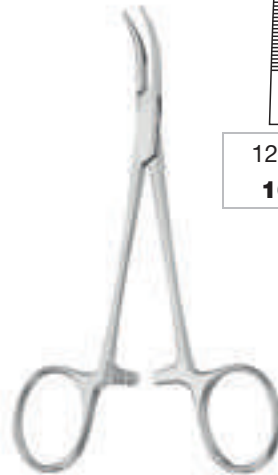


**Dandy**

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



**Raimondi**

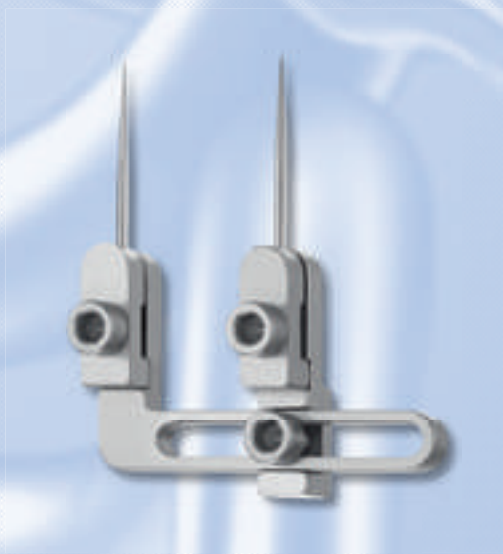


**Hoen**



**Gefäßclips**  
**Vessel Clips**  
**Clips vasculares**  
**Clips vasculaires**  
**Clip vascolari**

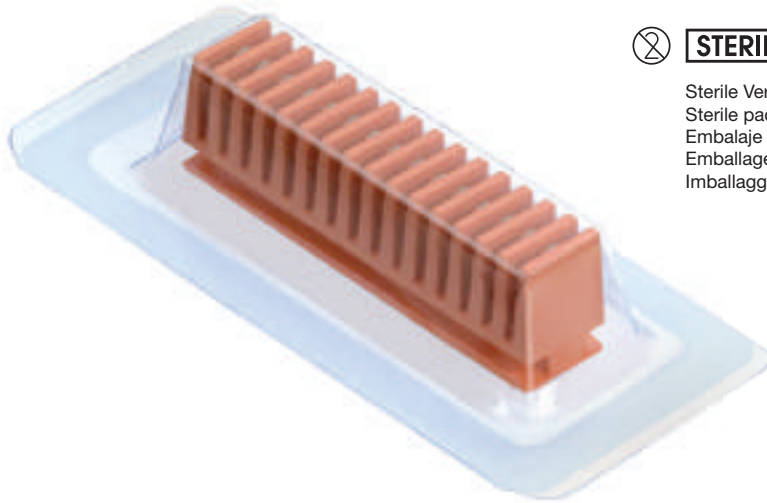
**A08**





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

**A08**




 **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

 **P<sub>300</sub>**

12 × 25



**56.50.01**

  
mittel  
medium  
mediano  
moyen  
medio

 **P<sub>250</sub>**

10 × 25



**56.50.02**

  
mittelgroß  
medium large  
medio grande  
moyen grand  
medio grande

 **P<sub>160</sub>**

16 × 10



**56.50.03**

  
groß  
large  
grande  
grand  
grande


 **P<sub>150</sub>**

10 × 15



**56.50.04**

1:1

  
klein  
small  
pequeño  
petit  
piccolo

 **P<sub>240</sub>**

24 × 10



**56.50.11**

  
mittel  
medium  
mediano  
moyen  
medio

 **P<sub>200</sub>**

20 × 10



**56.50.12**

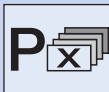
  
groß  
large  
grande  
grand  
grande

 **P<sub>120</sub>**

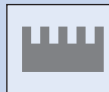
12 × 10



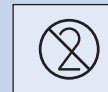
**56.50.14**



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



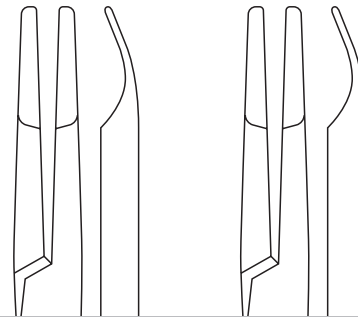
**Anlegezangen für Titan-Clips**  
**Applying Forceps for Titanium Clips**  
**Pinzas para aplicar para clips de titanio**  
**Pinces à poser pour clips en titane**  
**Pinze per applicare per clip di titanio**

**A08**

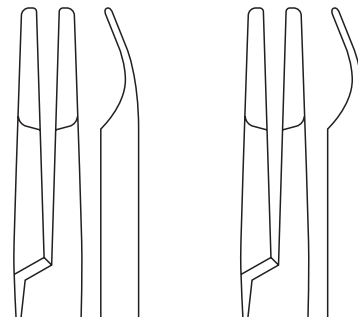


**Clipmagazine und Anlegezangen mit gleicher Farbcodierung**  
**Clip storage trays and applying forceps with matching color code**  
**Dispositivo de clips y pinzas aplicadoras con la misma codificación de color**  
**Magasins de clips et pinces à appliquer avec le même code couleur**  
**Cartucce per 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"
<b>56.50.15</b>	<b>56.50.25</b>
19,5 cm – 7¾"	19,5 cm – 7¾"
<b>56.50.19</b>	<b>56.50.29</b>



20,5 cm – 8⅛"	20,5 cm – 8⅛"
<b>56.50.30</b>	<b>56.50.40</b>



# 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)



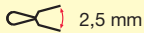
2:1

Mehdorn

1,0 mm



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

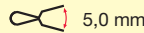


**56.80.04**

1,4 mm



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

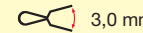


**56.81.04**

1,0 mm



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

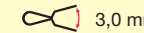


**56.80.06**

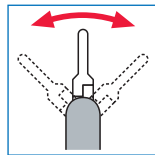
1,4 mm



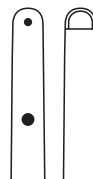
a = 6,0 mm  
 F = 15-20 g



**56.81.06**

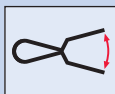


Anlegepinzette  
 Applying forceps  
 Pinza para aplicar  
 Pince à appliquer  
 Pinza per applicare



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



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

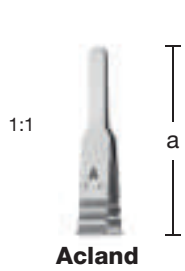


**Mikro-Gefäßclips und Anlegepinzetten**  
**Micro Vessel Clips and Applying Forceps**  
**Micro clips vasculares y pinzas para aplicar**  
**Micro clips vasculaires et pinces à appliquer**  
**Micro clip vascolari e pinze per applicare**

**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
<b>P</b>	<b>56.85.07</b>	<b>A</b> <b>56.85.10</b>	<b>A</b> <b>56.85.13</b>
<b>P</b>	<b>56.85.08</b>	<b>V</b> <b>56.85.11</b>	<b>V</b> <b>56.85.14</b>



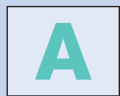
	a = 17 mm ∅ 1,0 - 2,25 mm	a = 25 mm ∅ 1,5 - 3,5 mm	a = 36 mm ∅ 2,0 - 5,0 mm
<b>P</b>	<b>56.85.16</b>	<b>A</b> <b>56.85.18</b>	<b>A</b> <b>56.86.36</b>
<b>P</b>	<b>56.85.17</b>	<b>V</b> <b>56.85.19</b>	<b>V</b> <b>56.86.37</b>

Anlegepinzetten  
 Applying forceps  
 Pinzas para aplicar  
 Pincés 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"
<b>56.85.91</b>	<b>56.85.93</b>	<b>56.85.98</b>
<b>Acland</b>	<b>Acland</b>	<b>Acland</b>



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

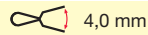
**A08**

**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)



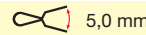
a = 6,0 mm  
 F = 30-40 g



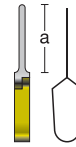
**56.87.05**



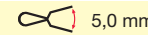
a = 9,0 mm  
 F = 30-40 g



**56.87.08**

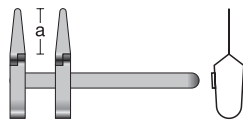
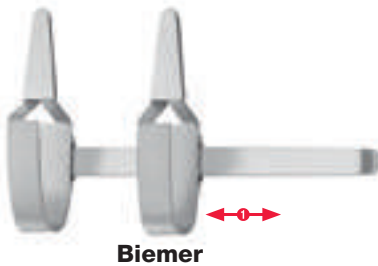


a = 9,0 mm  
 F = 20-25 g



**56.87.18**

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

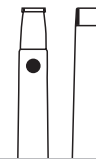


a = 6,0 mm  
 F = 30-40 g

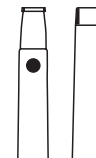


**56.87.35**

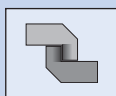
Anlegepinzetten  
 Applying forceps  
 Pinzas para aplicar  
 Pincès à appliquer  
 Pinze per applicare



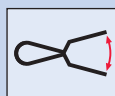
14,5 cm – 5¾"  
**56.87.45**



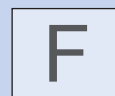
14,5 cm – 5¾"  
**56.87.46**



mit Sperre  
 with catch  
 con cremallera  
 avec crémaillère  
 con cremagliera



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

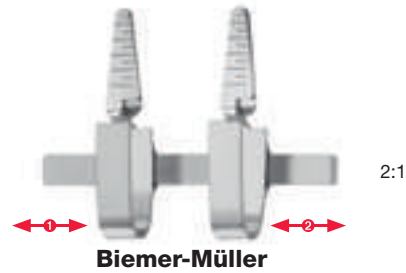


Schließkraft  
 Closing pressure  
 Fuerza de cierre  
 Force de fermeture  
 Forza di chiusura

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

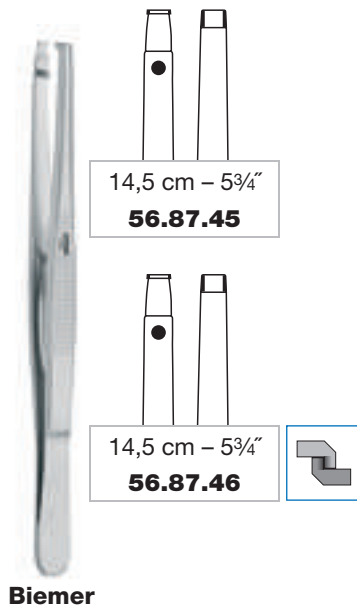
a = 9,0 mm  
 F = 25-30 g  
 5,0 mm  
**56.74.09**

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  
 Pince à appliquer  
 Pinze per applicare



mit Sperre  
 with catch  
 con cremallera  
 avec crémaillère  
 con cremagliera

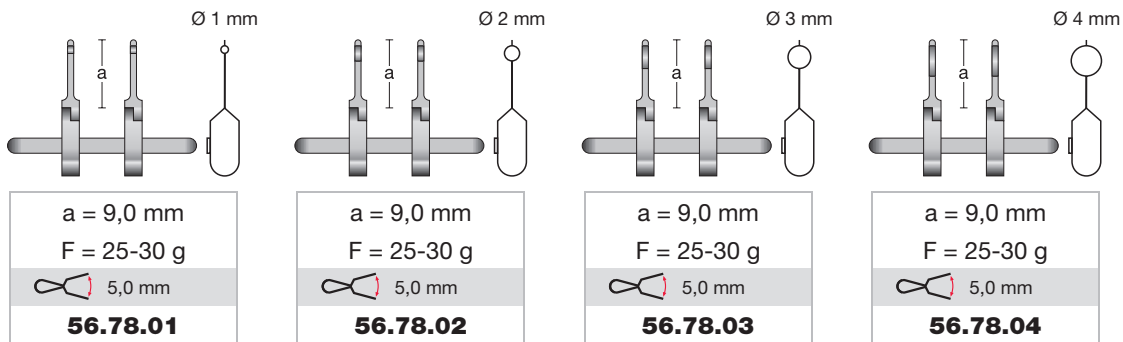
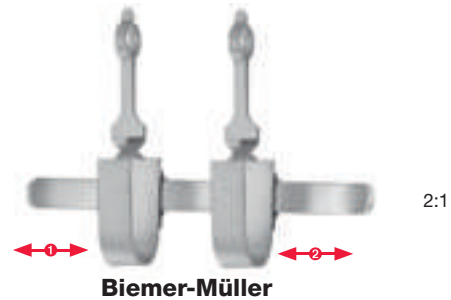
Öffnungsweite  
 Opening width  
 Apertura de ancho  
 Largeur d'ouverture  
 Larghezza dell'apertura

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

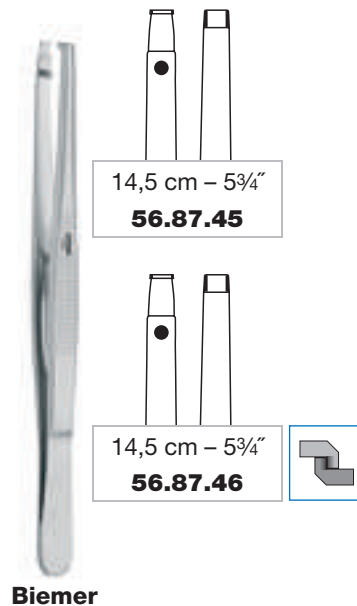
**A08**

**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)

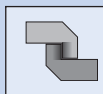


Anlegepinzetten  
 Applying forceps  
 Pinzas para aplicar  
 Pince à appliquer  
 Pinze per applicare

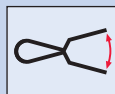


14,5 cm – 5¾"  
**56.87.45**

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**

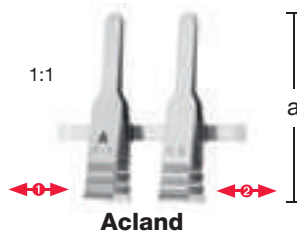
**A08**

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

a = 8 mm Ø 0,4 - 1,0 mm	a = 11 mm Ø 0,6 - 1,5 mm	a = 14 mm Ø 1,0 - 2,25 mm
<b>A</b> 56.85.47	<b>A</b> 56.85.50	<b>A</b> 56.85.53
<b>V</b> 56.85.48	<b>V</b> 56.85.51	<b>V</b> 56.85.54

a = 17 mm Ø 1,0 - 2,25 mm	a = 25 mm Ø 1,5 - 3,5 mm	a = 36 mm Ø 2,0 - 5,0 mm
<b>A</b> 56.85.56	<b>A</b> 56.85.58	<b>A</b> 56.86.58
<b>V</b> 56.85.57	<b>V</b> 56.85.59	<b>V</b> 56.86.59

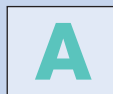


Anlegepinzetten  
 Applying forceps  
 Pinzas para aplicar  
 Pincès à appliquer  
 Pinze per applicare

8 - 11 mm 14,5 cm – 5¾"	14 - 36 mm 14,5 cm – 5¾"	8 - 36 mm 11 cm – 4½"
<b>56.85.91</b>	<b>56.85.93</b>	<b>56.85.98</b>
<b>Acland</b>	<b>Acland</b>	<b>Acland</b>



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



für Arterien  
 for arteries  
 para arterias  
 pour artères  
 per arterie



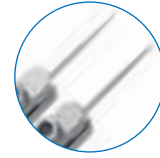
für Venen  
 for veins  
 para venas  
 pour veines  
 per vene

**A08**

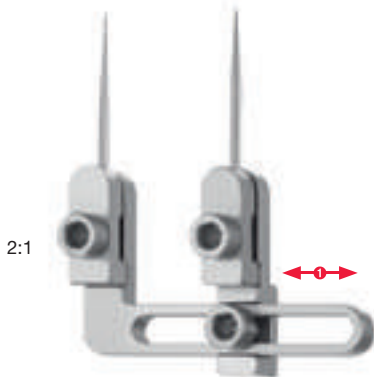
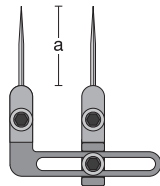
**Mikro-Gefäßclips**  
**Micro Vessel Clips**  
**Micro clips vasculares**  
**Micro clips vasculaires**  
**Micro clip vascolari**

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



**P**<sub>2</sub> **56.79.01**

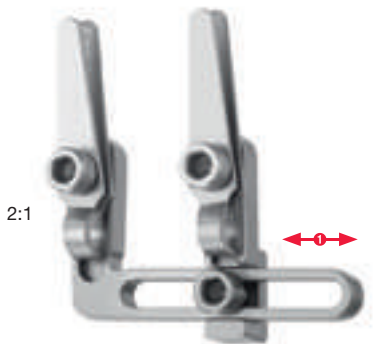
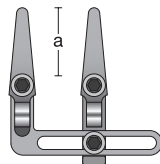
**Biemer**

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**

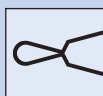
mit Schlüssel  
 with wrench  
 con llave  
 avec clé  
 con chiave

**56.87.49**

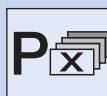
Ersatzschlüssel  
 Replacement wrench  
 Llave de repuesto  
 Clé de rechange  
 Chiave di ricambio



7,5 cm – 3"

**Biemer****56.87.49**

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

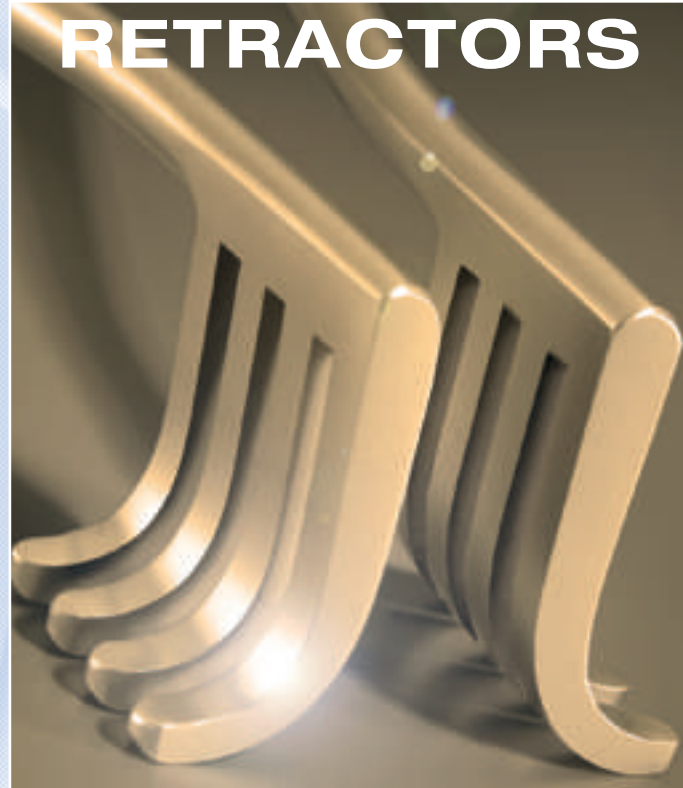


Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi



**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 × 2 mm	9 × 8 mm	9 × 10 mm	9 × 14 mm	
16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	▲
<b>20.64.01</b>	<b>20.64.02</b>	<b>20.64.03</b>	<b>20.64.04</b>	

9 × 2 mm	9 × 8 mm	9 × 10 mm	9 × 14 mm	
16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	▲
<b>20.65.01</b>	<b>20.65.02</b>	<b>20.65.03</b>	<b>20.65.04</b>	

7 × 1 mm	7 × 5 mm	7 × 8 mm	7 × 11 mm	
16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	▲
<b>20.66.01</b>	<b>20.66.02</b>	<b>20.66.03</b>	<b>20.66.04</b>	

7 × 1 mm	7 × 5 mm	7 × 8 mm	7 × 11 mm	
16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	16 cm – 6¼"	▲
<b>20.67.01</b>	<b>20.67.02</b>	<b>20.67.03</b>	<b>20.67.04</b>	



spitz  
sharp  
aguda  
pointu  
acuta



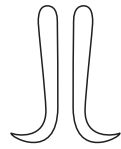
stumpf  
blunt  
roma  
mousse  
smussa

**Wundspreizer**  
**Self-retaining Retractors**  
**Separadores autoestáticos**  
**Ecarteurs autostatiques**  
**Divaricatori autostatici**

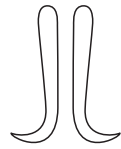
**A09**



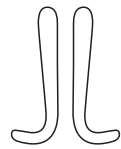
**Weitlaner**



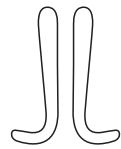
a = 18 mm  
 13 cm – 5 1/8" **24.22.13**



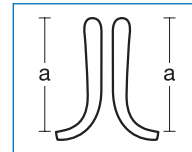
a = 18 mm  
 16,5 cm – 6 1/2" **24.22.16**



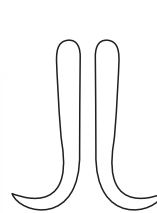
a = 18 mm  
 13 cm – 5 1/8" **24.22.14**



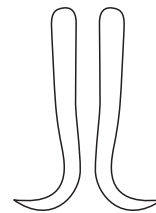
a = 18 mm  
 16,5 cm – 6 1/2" **24.22.17**



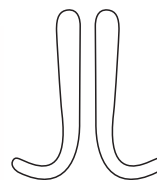
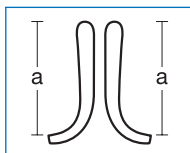
**Weitlaner**



a = 20 mm  
 20 cm – 8" **24.22.20**



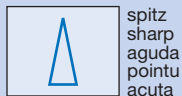
a = 25 mm  
 24 cm – 9 1/2" **24.22.24**



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

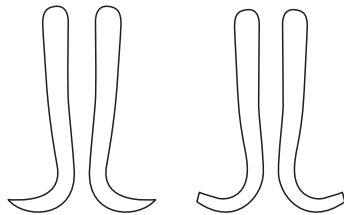


A09

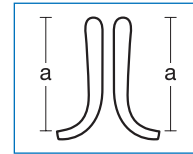
**Wundspreizer**  
**Self-retaining Retractors**  
**Separadores autoestáticos**  
**Ecarteurs autostatiques**  
**Divaricatori autostatici**



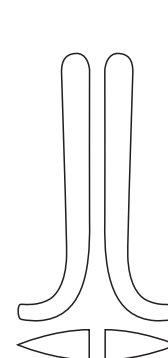
**Weitlaner**



a = 25 mm 25,5 cm – 10"	a = 25 mm 25,5 cm – 10"
<b>24.22.26</b>	<b>24.22.27</b>



**Miskimon**



a = 33 mm 22 cm – 8¾"
<b>24.28.10</b>



spitz  
sharp  
aguda  
pointu  
acuta

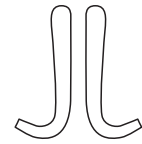
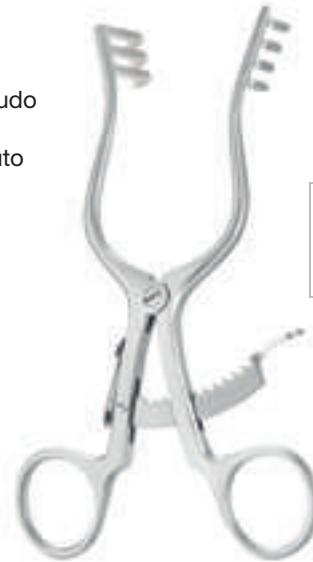
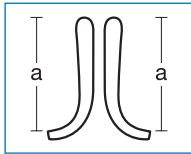


stumpf  
blunt  
roma  
mousse  
smussa

**Wundspreizer**  
**Self-retaining Retractors**  
**Separadores autoestáticos**  
**Ecarteurs autostatiques**  
**Divaricatori autostatici**

**A09**

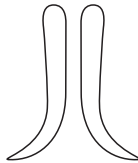
Kopfhautspreizer  
 Scalp retractor  
 Separador para el cuero cabelludo  
 Ecarteur pour le cuir chevelu  
 Divaricatore per il cuoio capelluto



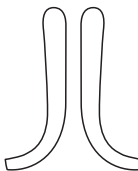
a = 16 mm  
 14 cm – 5½”  
**24.26.70**



**Contour**



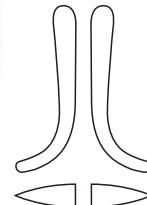
a = 20 mm  
 20 cm – 8”  
**24.28.01**



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

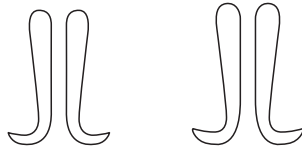


**Wundspreizer**  
**Self-retaining Retractors**  
**Separadores autoestáticos**  
**Ecarteurs autostatiques**  
**Divaricatori autostatici**

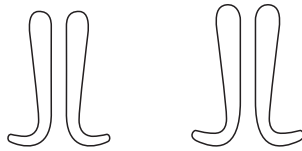
**A09**



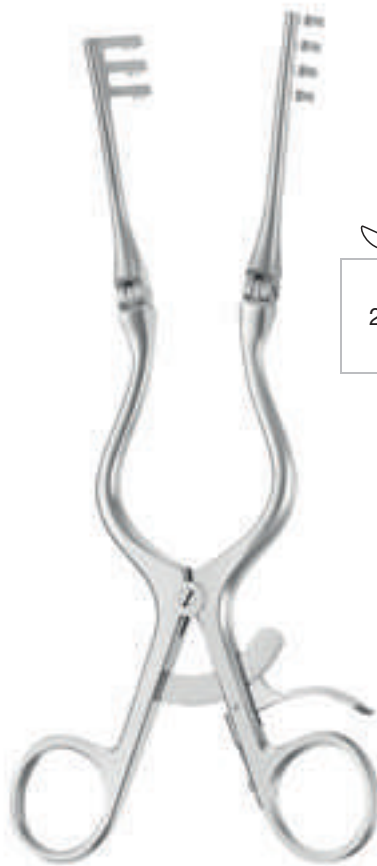
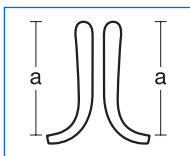
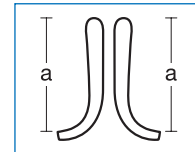
**Weitlaner-Beckmann**



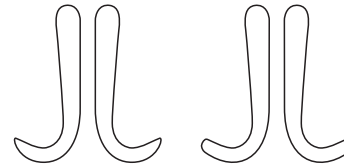
a = 16 mm 14,5 cm - 5 <sup>3</sup> / <sub>8</sub> "	a = 17 mm 17 cm - 6 <sup>3</sup> / <sub>4</sub> "
<b>24.30.13</b>	<b>24.30.16</b>



a = 16 mm 14,5 cm - 5 <sup>3</sup> / <sub>8</sub> "	a = 17 mm 17 cm - 6 <sup>3</sup> / <sub>4</sub> "
<b>24.30.14</b>	<b>24.30.17</b>



**Weitlaner-Beckmann**



a = 19 mm 22 cm - 8 <sup>3</sup> / <sub>4</sub> "	a = 19 mm 22 cm - 8 <sup>3</sup> / <sub>4</sub> "
<b>24.30.20</b>	<b>24.30.21</b>



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)

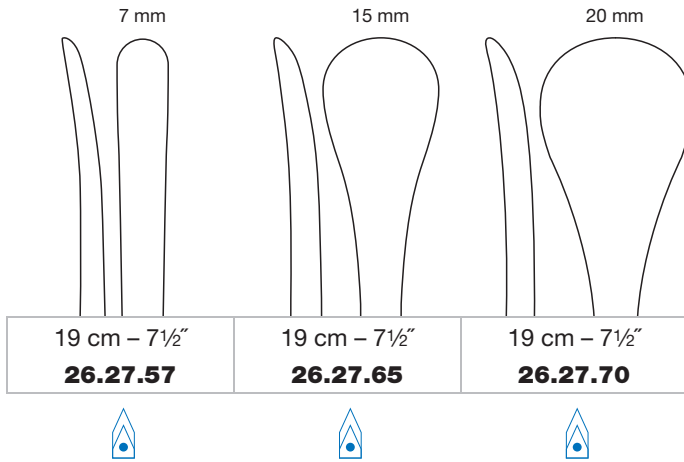


**Elevatorien**  
**Elevators**  
**Elevadores**  
**Elévateurs**  
**Elevatori**

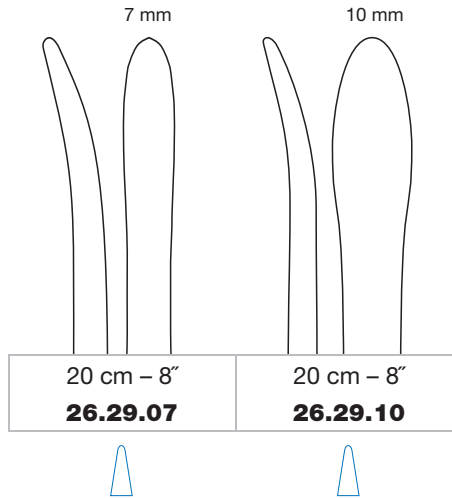
# A10



**Hoen**



**Langenbeck**

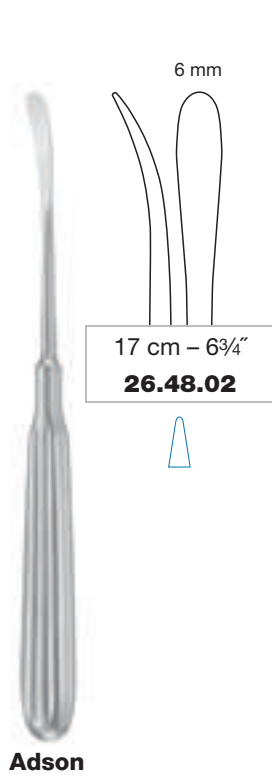


halbscharf  
semi sharp  
semi cortante  
semi tranchant  
semi tagliente

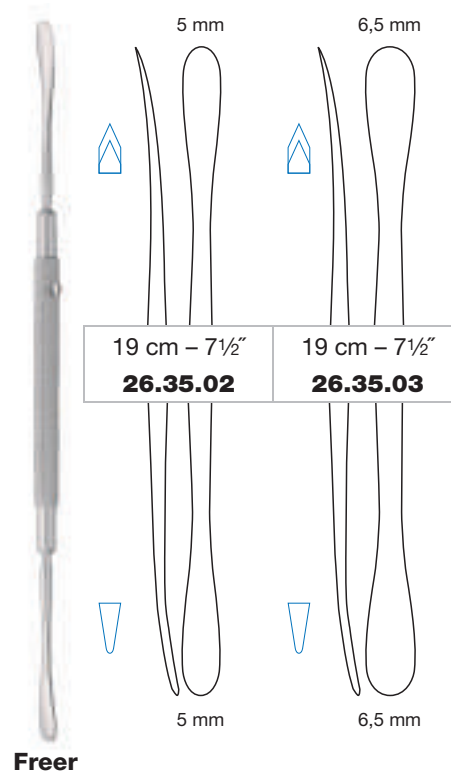


stumpf  
blunt  
roma  
mousse  
smussa



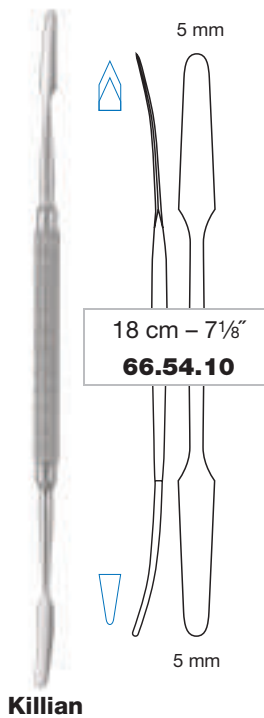


**Adson**



**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

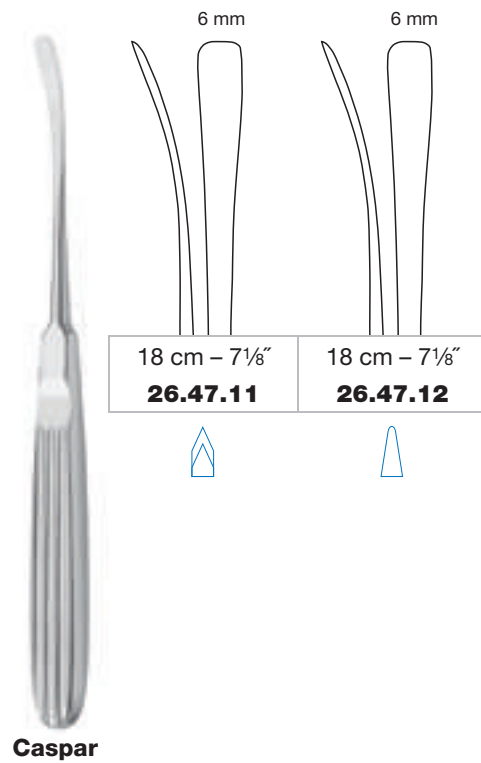
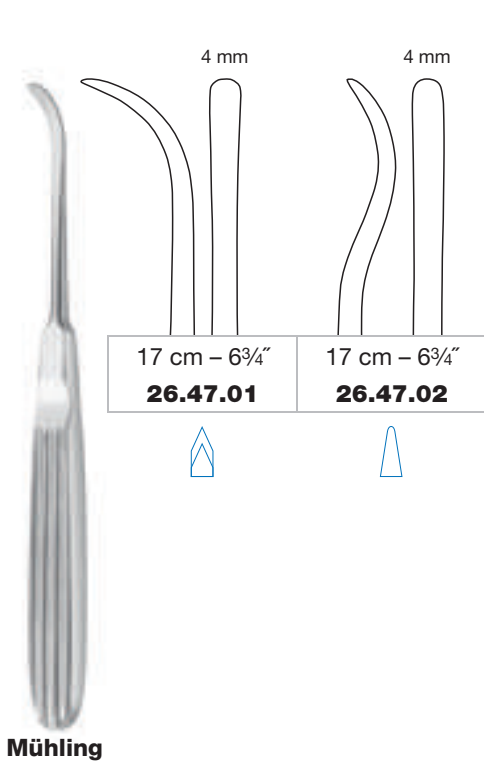
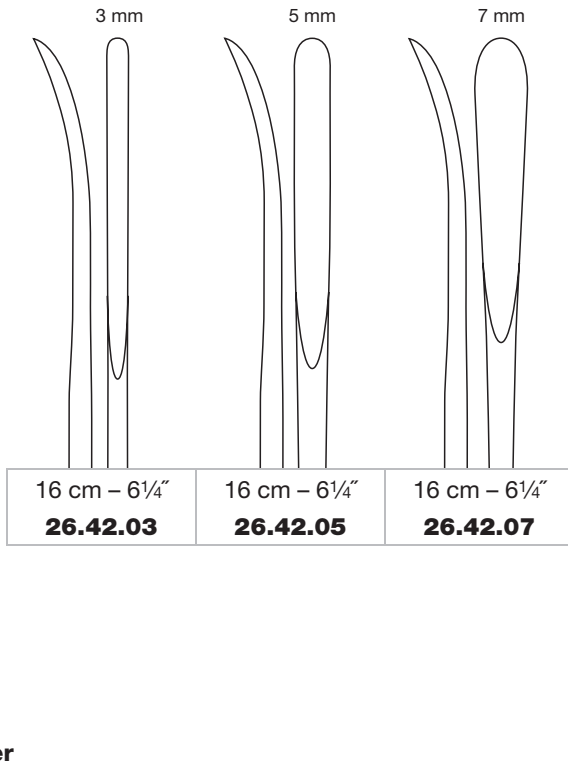
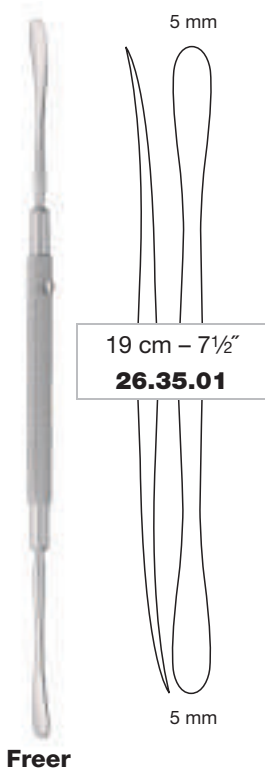


stumpf  
blunt  
roma  
mousse  
smussa



Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi

A10



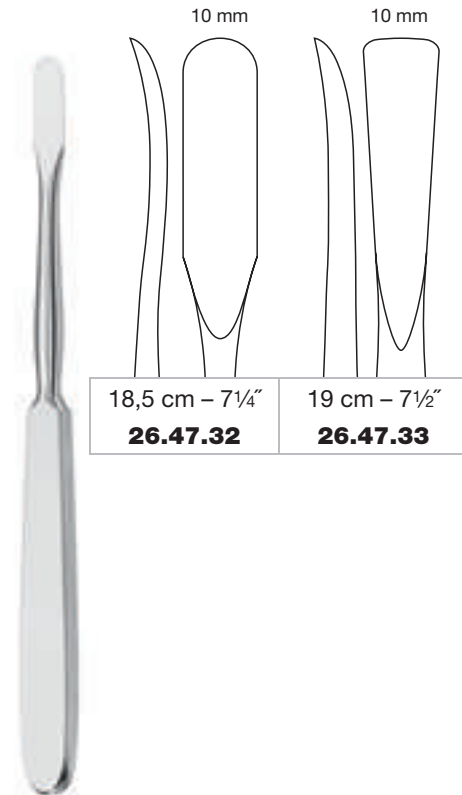
scharf  
sharp  
cortante  
tranchant  
tagliente



stumpf  
blunt  
roma  
mousse  
smussa

## MICRO RASPATORIES

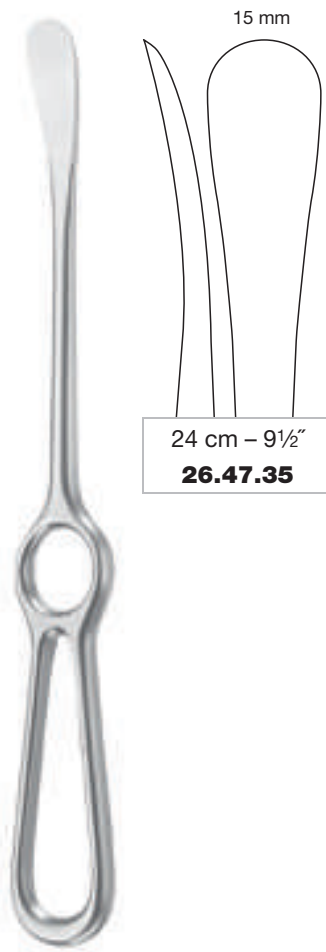
Mikro-Raspatorien (siehe Seite 190-192)  
Micro raspatories (see page 190-192)  
Micro legras (véase página 190-192)  
Micro rugines (voir page 190-192)  
Micro periostotomi (vedi pagina 190-192)



18,5 cm – 7¼"  
**26.47.32**

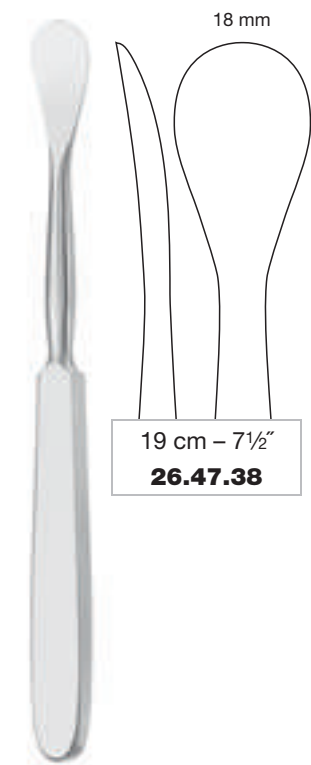
19 cm – 7½"  
**26.47.33**

**Krämer**



24 cm – 9½"  
**26.47.35**

**Sedillot**



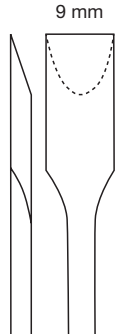
19 cm – 7½"  
**26.47.38**

**Sedillot**



Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi

A10



17 cm - 6¾"  
**26.48.01**

**Adson**



**Adson**



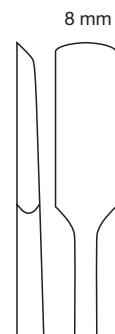
17 cm - 6¾"  
**26.48.03**



17 cm - 6¾"  
**26.48.04**



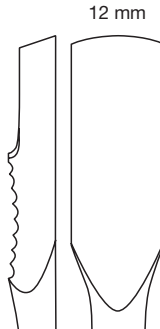
**Olivecrona**



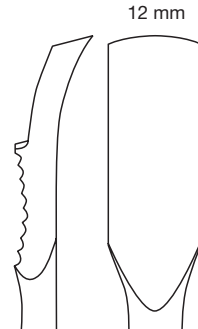
19 cm - 7½"  
**26.50.58**



**Farabeuf**



15 cm - 6"  
**26.53.13**



15 cm - 6"  
**26.53.23**



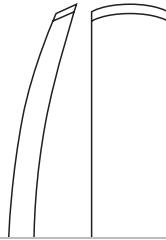
Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi

A10



Lambotte

10 mm



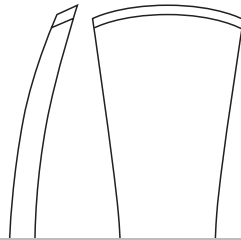
22 cm – 8<sup>3</sup>/<sub>4</sub>"  
**26.54.10**

15 mm



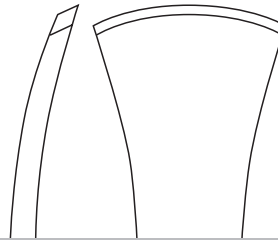
22 cm – 8<sup>3</sup>/<sub>4</sub>"  
**26.54.15**

20 mm



22 cm – 8<sup>3</sup>/<sub>4</sub>"  
**26.54.20**

25 mm



22 cm – 8<sup>3</sup>/<sub>4</sub>"  
**26.54.25**



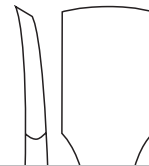
Key

6 mm



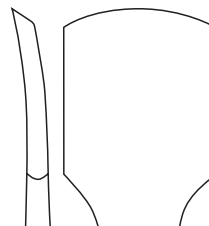
18 cm – 7<sup>1</sup>/<sub>8</sub>"  
**26.56.06**

12 mm



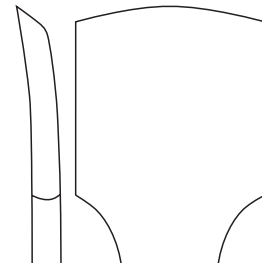
19 cm – 7<sup>1</sup>/<sub>2</sub>"  
**26.56.12**

20 mm



20 cm – 8"  
**26.56.20**

25 mm

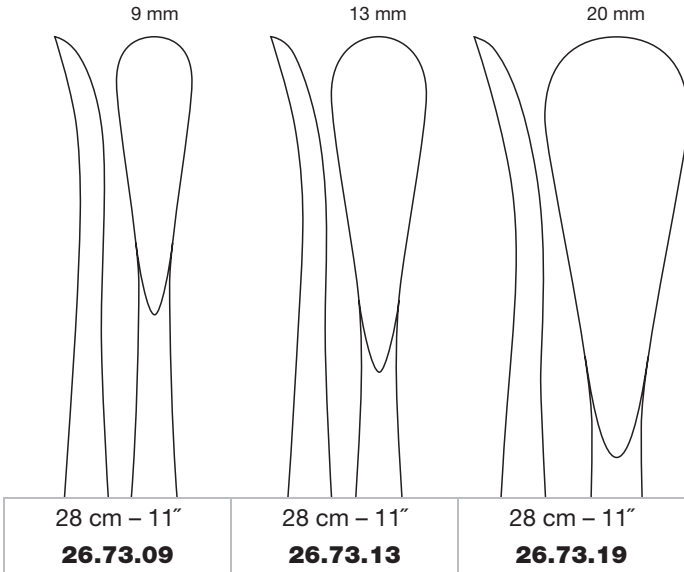


21 cm – 8<sup>1</sup>/<sub>4</sub>"  
**26.56.25**

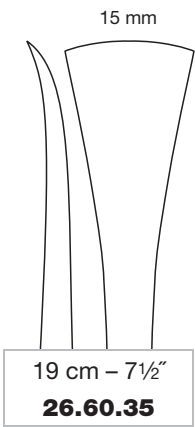


**Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi**

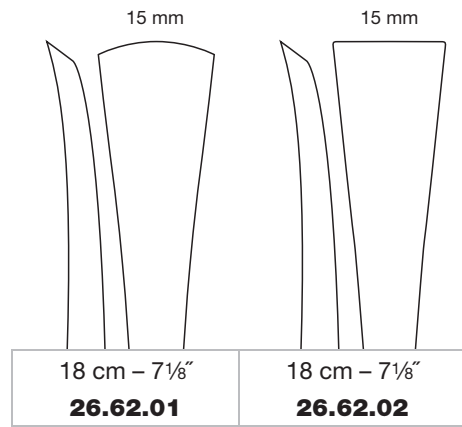
# A10




**Langenbeck**




**Cushing**






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"	<b>26.64.13P</b>	
	<b>26.64.13</b>	



6 mm

18,5 cm – 7¼"	<b>26.64.06P</b>	<b>26.64.16P</b>	<b>26.64.26P</b>	
	<b>26.64.06</b>	<b>26.64.16</b>	<b>26.64.26</b>	

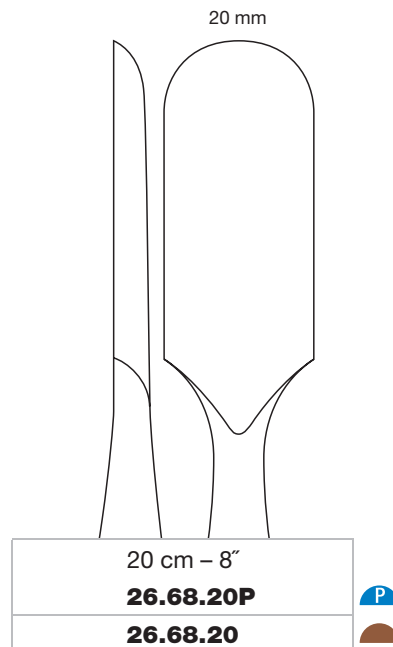
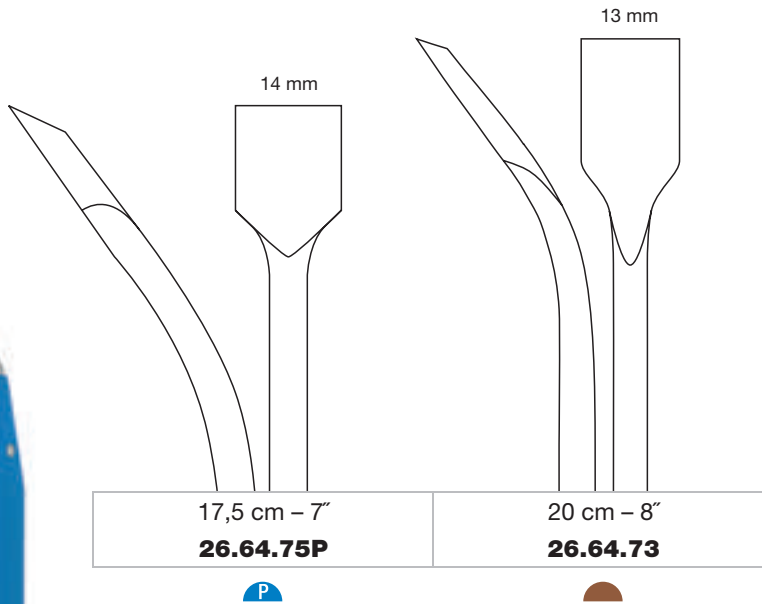


Kunststoffgriff (autoklavierbar bis 134 °C bei 3 bar)  
 Plastic handle (autoclavable up to 134 °C at 3 bar)  
 Mango de plástico (autoclavable hasta 134 °C bajo presión de 3 bar)  
 Manche en plastique (autoclavable à 134 °C sous pression de 3 bars)  
 Manico di plastica (autoclavabile fino a 134 °C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

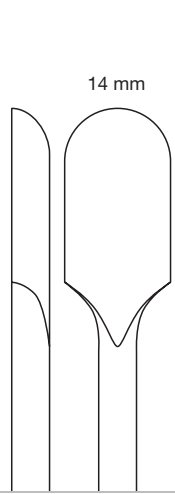


Raspatorien  
Raspatories  
Legras  
Rugines  
Periostotomi

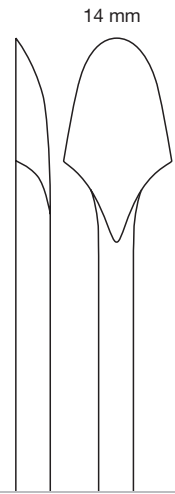
A10



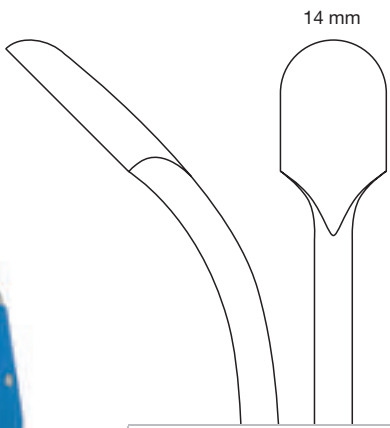




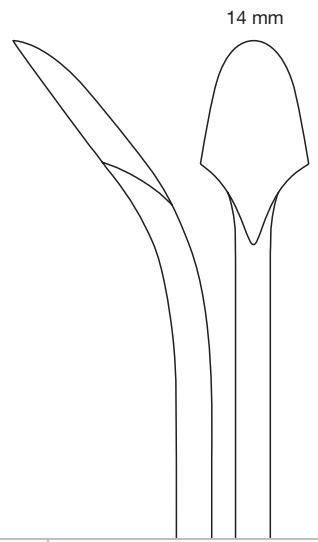
18,5 cm – 7 1/4"  
**26.64.86P**



20 cm – 8"  
**26.64.84**



17,5 cm – 7"  
**26.64.96P**



20 cm – 8"  
**26.64.94**



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 bars)  
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)

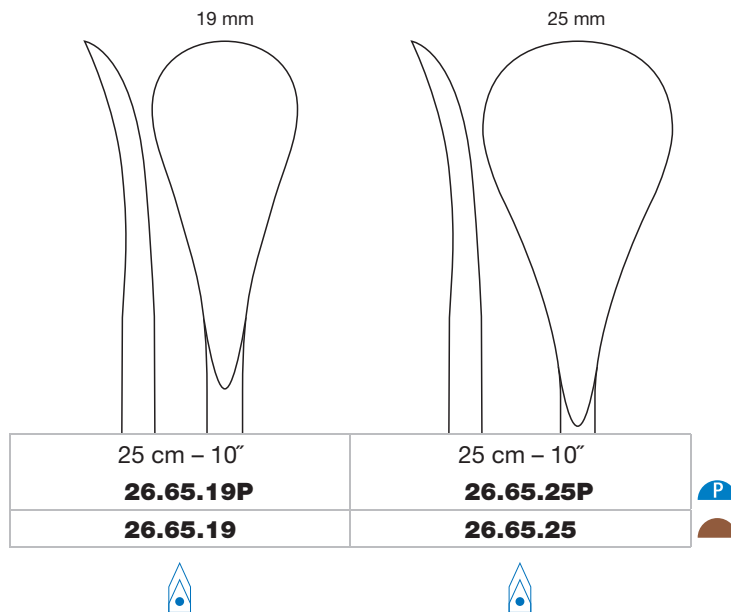
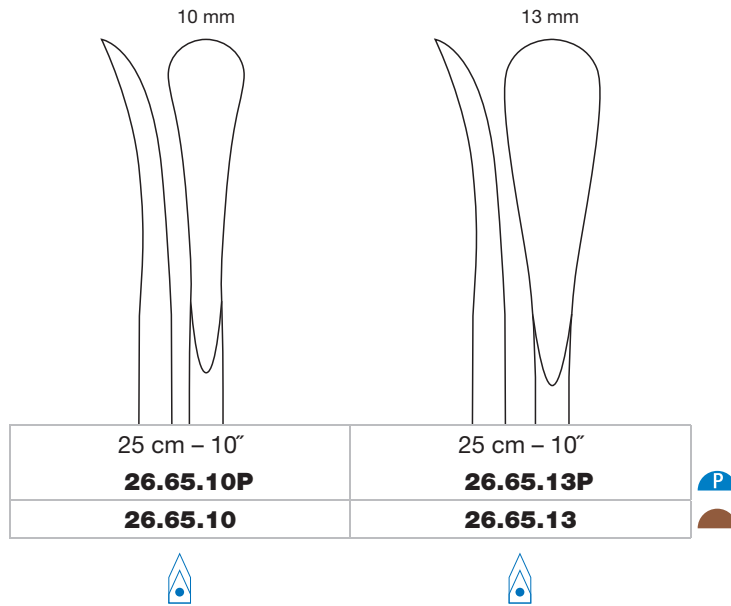


**Raspatorien**  
**Raspatories**  
**Legras**  
**Rugines**  
**Periostotomi**

# A10

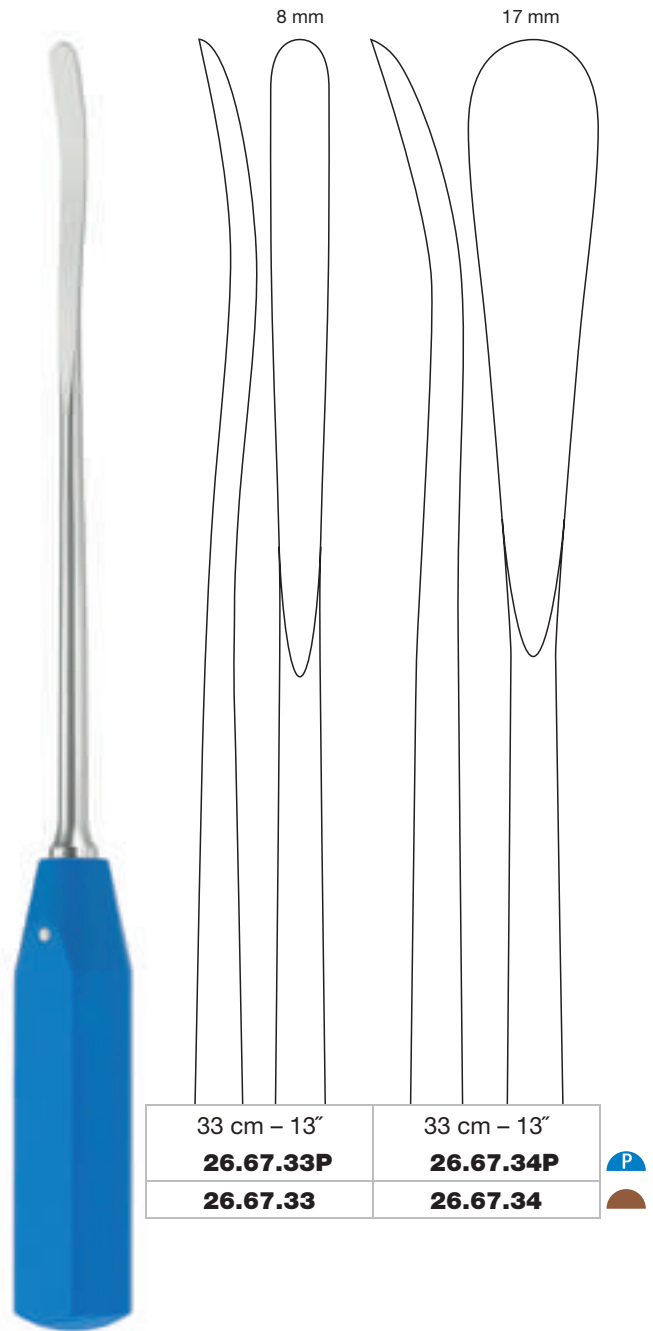


**Cobb**





28 cm – 11"
<b>26.67.27P</b>
<b>26.67.27</b>



33 cm – 13"
<b>26.67.33P</b>
<b>26.67.33</b>

33 cm – 13"
<b>26.67.34P</b>
<b>26.67.34</b>



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.

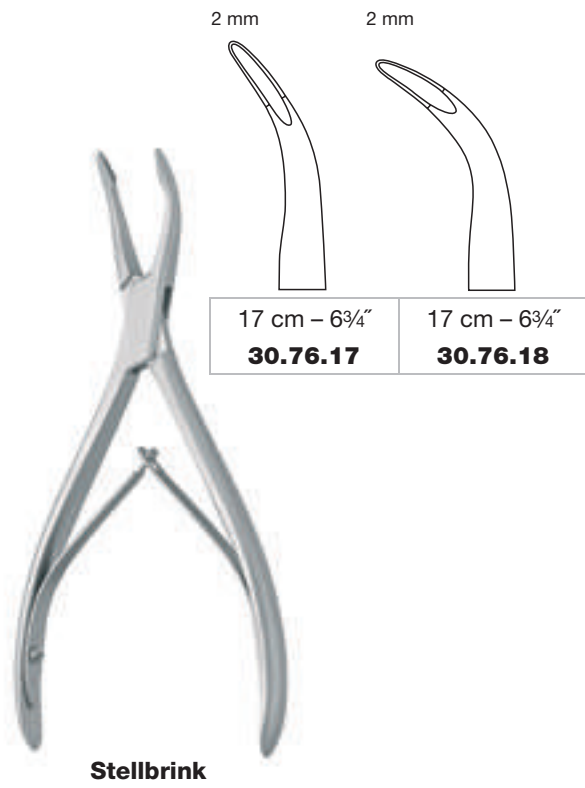
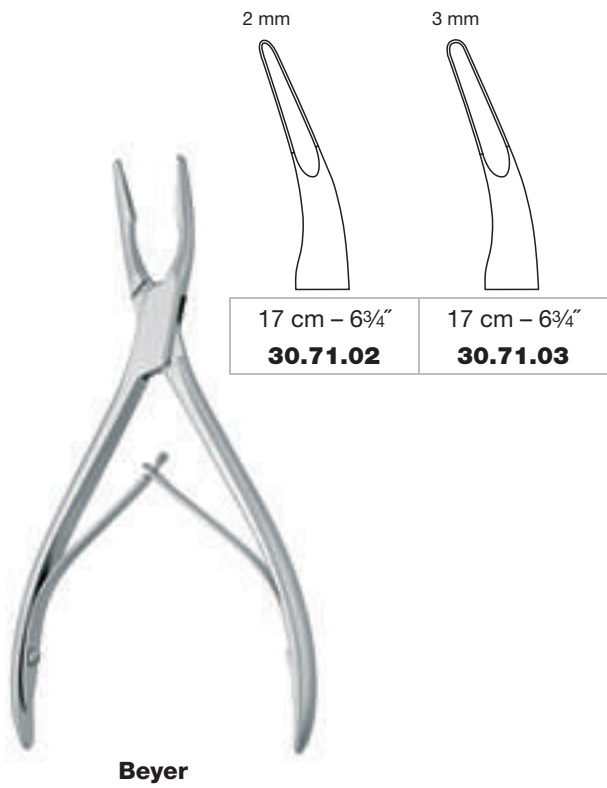
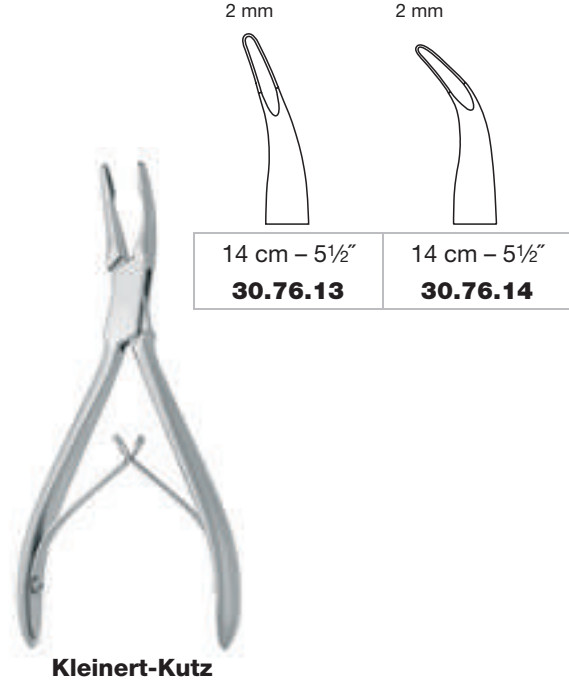
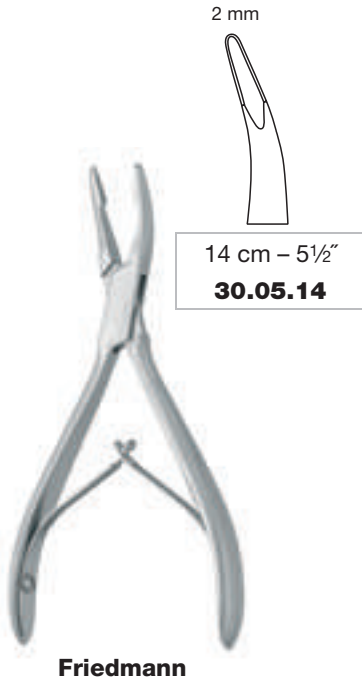
Pour une vue d'ensemble de la gamme complète des produits MEDICON nous vous prions de bien vouloir vous référer sur notre site Internet.

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



**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

**A11**



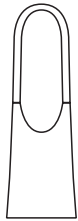


**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

**A11**

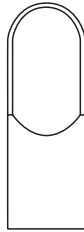


7 mm



18 cm – 7 1/8"  
**30.52.17**

10 mm



18 cm – 7 1/8"  
**30.52.18**

**Luer**



9 mm

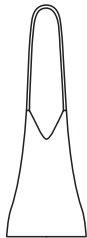


18 cm – 7 1/8"  
**30.53.18**

**Luer**

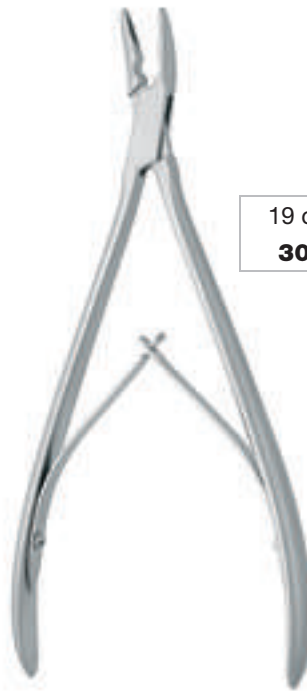


4 mm



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" <b>31.04.02</b>	15 cm – 6" <b>31.04.03</b>	15 cm – 6" <b>31.05.02</b>	15 cm – 6" <b>31.05.03</b>



**Ruskin**

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



**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

**A11**



**Smith-Petersen**

2 mm



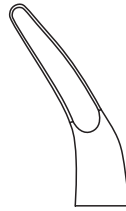
24 cm - 9½"  
**31.09.03**

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

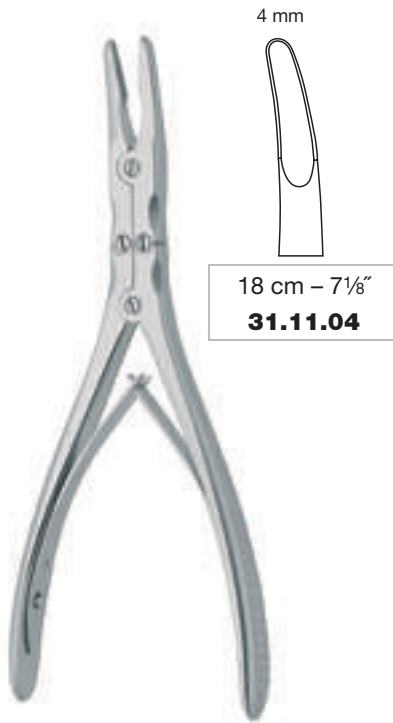


24 cm - 9½"  
**31.07.25**

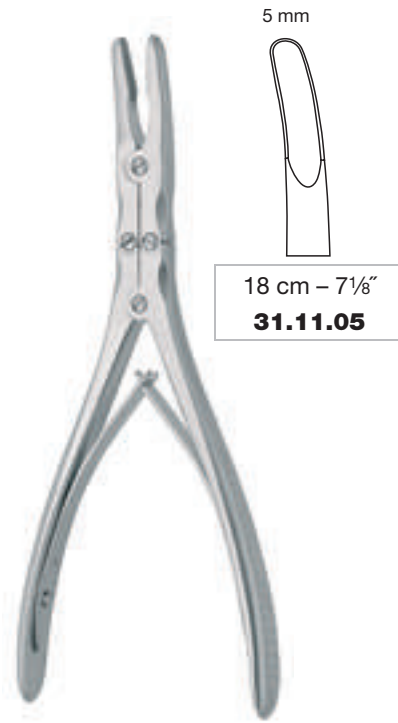


**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

**A11**



**Bayer**



**Zaufal-Jansen**



**Marquardt**



**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

**A11**



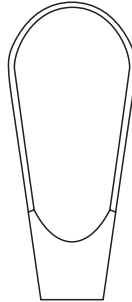
**Stille-Luer**

10 mm



23 cm - 9"  
**31.30.23**

17 mm



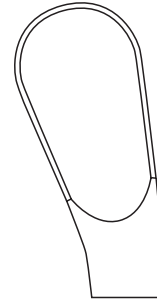
23 cm - 9"  
**31.30.24**

10 mm



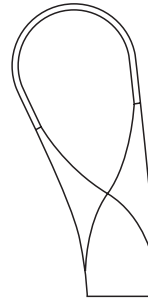
23 cm - 9"  
**31.31.23**

17 mm



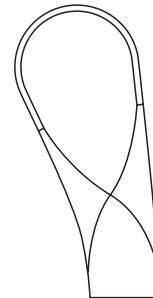
23 cm - 9"  
**31.31.24**

16 mm



23 cm - 9"  
**31.31.53**

16 mm



27 cm - 10 3/4"  
**31.31.57**



**Semb-Stille**

**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

**A11**



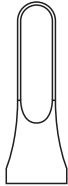
**Leksell**

3 mm



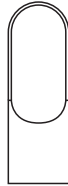
23 cm - 9"  
**31.53.03**

5 mm



23 cm - 9"  
**31.53.05**

8 mm

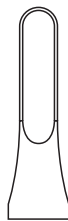


23 cm - 9"  
**31.53.08**



**Leksell**

5 mm



23 cm - 9"  
**31.51.05**

8 mm



23 cm - 9"  
**31.51.08**



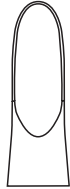
**Hohlmeißelzangen**  
**Bone Rongeurs**  
**Pinzas gubias**  
**Pinces-gouges**  
**Pinze sgorbie**

**A11**



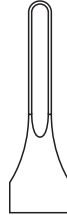
**Stille**

7 mm



23 cm - 9"  
**31.31.83**

3 mm



36 cm - 14 1/8"  
**31.54.03**

5 mm



36 cm - 14 1/8"  
**31.54.05**

8 mm



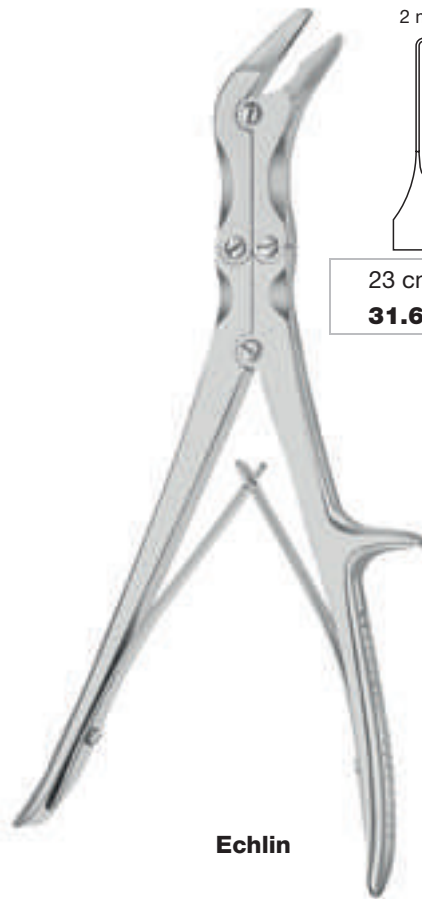
36 cm - 14 1/8"  
**31.54.08**



**Leksell**

**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**



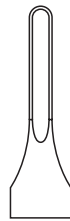
**Echlin**

2 mm



23 cm – 9"  
**31.61.02**

3 mm



23 cm – 9"  
**31.61.03**

4 mm



23 cm – 9"  
**31.61.04**

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



**Liston-Key**

26 cm – 10¼"  
**33.75.27**



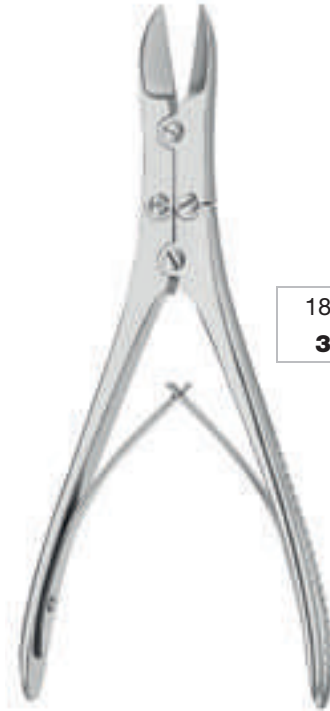
**Knochensplitterzangen**  
**Bone Cutting Forceps**  
**Pinzas cortantes para huesos**  
**Pinces coupantes à os**  
**Pinze ossivore**

**A11**



15 cm – 6"  
**33.02.15**

**Littauer-Liston**



18 cm – 7 1/8"  
**33.56.18**



18 cm – 7 1/8"  
**33.57.18**

**Ruskin-Liston**



17 cm – 6 3/4"  
**33.59.17**

**McIndoe**




18 cm – 7 1/8"  
**33.58.18**



18 cm – 7 1/8"  
**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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<b>B07</b>	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
<b>B08</b>	Zerebrovaskuläre Clips Cerebrovascular clips Clips cerebrovascular Clips vasculaires cérébraux Clip cerebrovascolari	207
<b>B09</b>	Neuro-Fixationssystem Neuro-fixation system Sistema para neuro-fijación Système de neuro-fixation Sistema di neuro-fissaggio	233
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<b>B11</b>	Druckluftmotorensystem Pneumatic high speed system Sistema de motor neumático Système de moteur pneumatique Sistema motore pneumatico	265



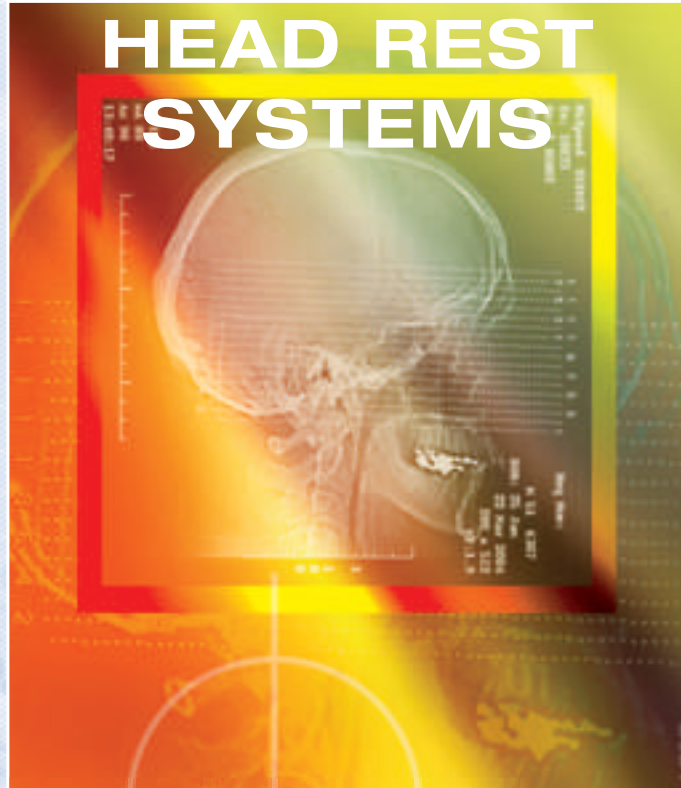
Die Medicon Schädelklemmen wurden entsprechend den speziellen Anforderungen im OP entwickelt. In Verbindung mit der Grundeinheit bietet das innovative Kopfhaltungssystem ein Maximum an Sicherheit und Stabilität.

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:

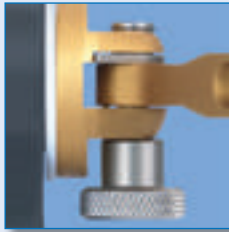
**Prof. Dr. Sörensen**  
 Neurochirurgische Klinik, Würzburg



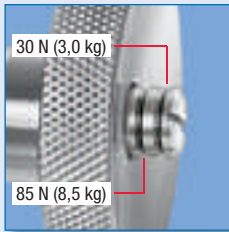
B01

# FiXiT

## HEAD REST SYSTEM



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



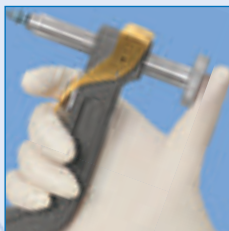
**Druckkraftanzeige**  
**Pressing power indicator**  
**Indicación de la fuerza de compresión**  
**Indicateur de la pression**  
**Indicatore della forza di compressione**



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



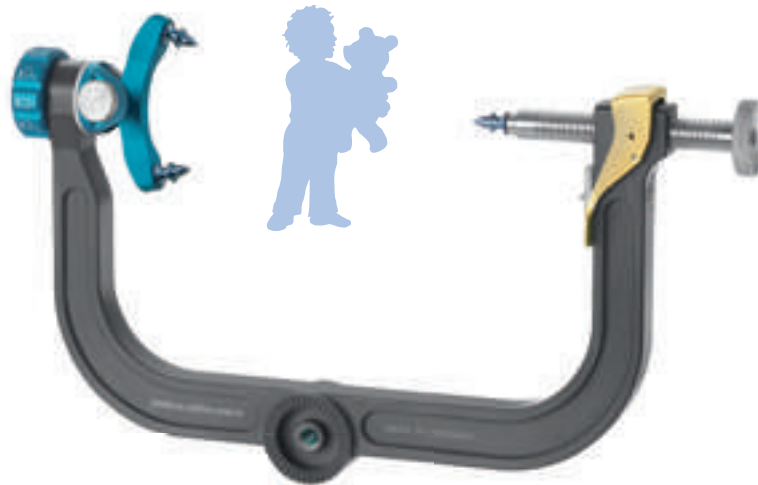
**Verschleißfreier Gewindeinsatz**  
**Wear-resistant thread insert**  
**Inserto de rosca sin desgaste**  
**Filetage sans usure**  
**Inserto di filettatura non usurabile**



**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**

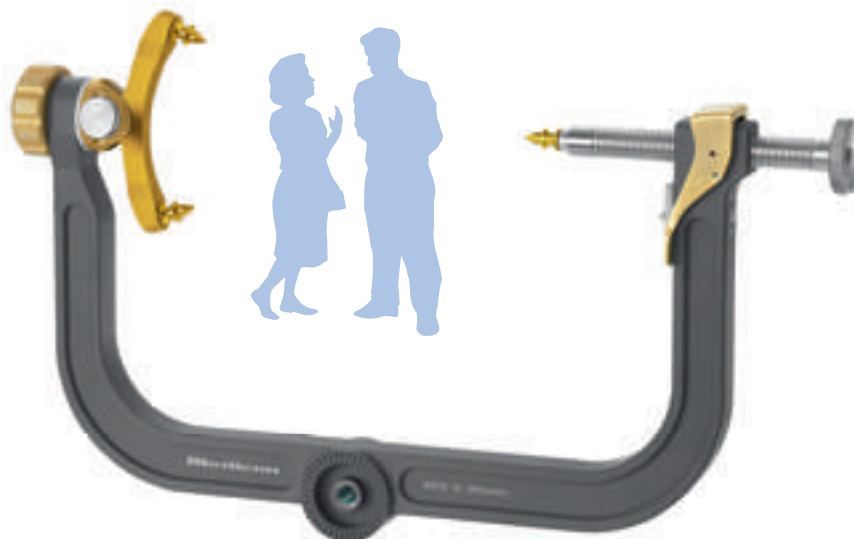
**Kopfhaltungssysteme**  
**Head Rest Systems**  
**Sistemas de fijación craneal**  
**Systèmes de maintien crânien**  
**Sisteme di fissazione cranica**

**B01**



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

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



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

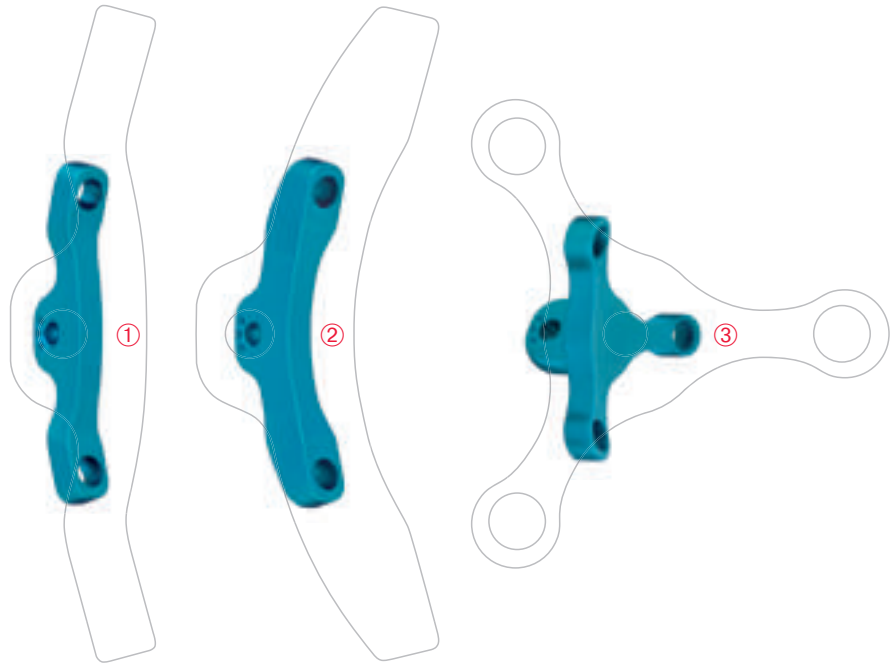
340 × 200 mm		<b>57.70.50</b>	
Satz bestehend aus:	<b>57.70.02</b> Head rest (small) with fixing screw	1x	
Set consisting of:	<b>57.70.16</b> Skull pin holder (105 mm)	1x	
Juego compuesto por:	<b>57.70.44</b> Skull pin (packing unit 5 pieces)	1x	
Jeu composé de:			
Set composto da:			

**B01**

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

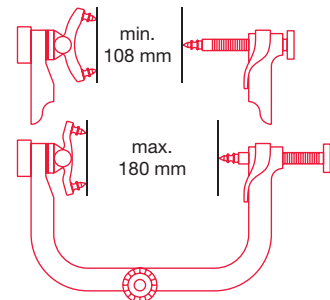
Dornaufnahmen  
 Skull pin holders  
 Soportes para pernos  
 Porte-épines  
 Braccetti per punte

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



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

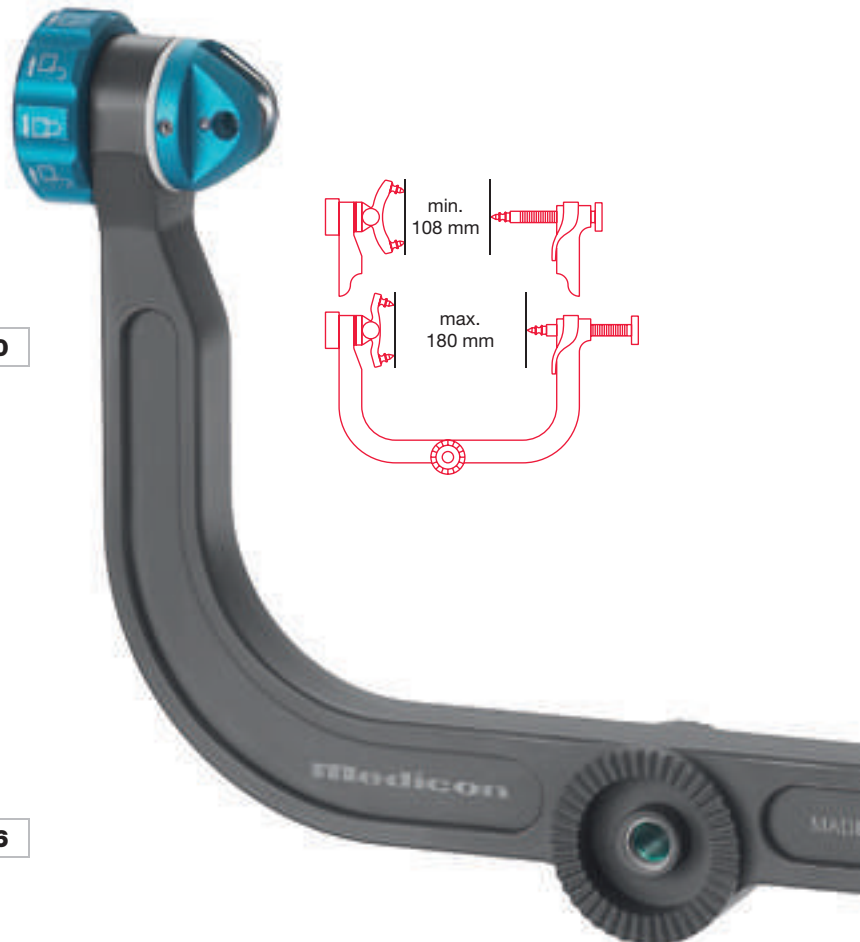
**Sörensen 57.70.00**



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

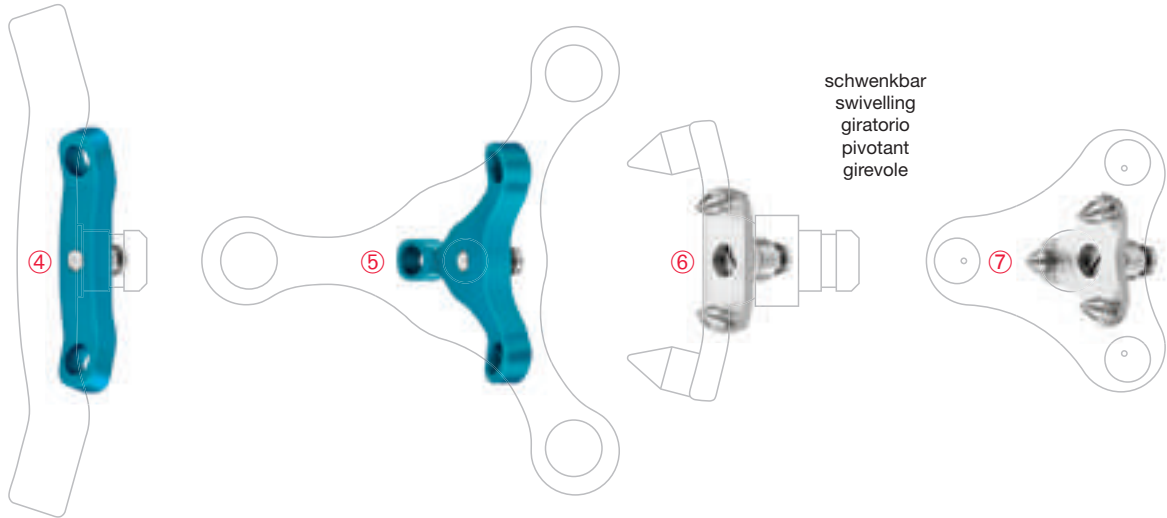


**40 mm 57.70.06**



**Kopfhalterungssystem (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)



25 mm **57.70.40** P<sub>5</sub> **Ti**



25 mm **57.70.42** P<sub>12x3</sub>

**STERILE**

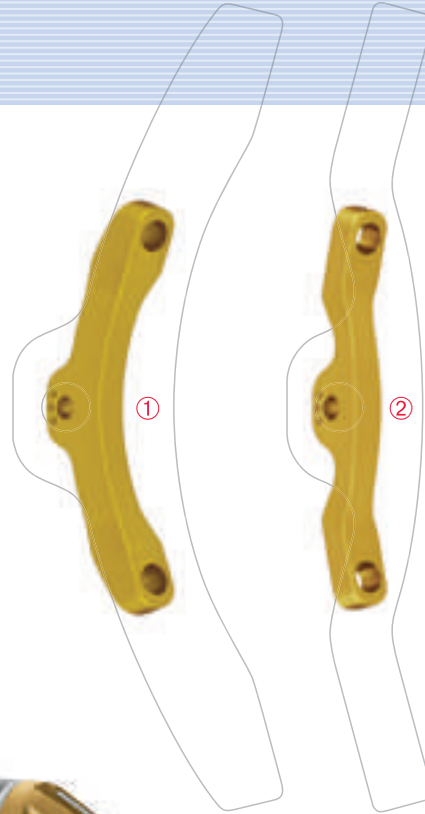
Verpackungseinheit 12 Pack mit je 3 Stück, steril  
 Packing unit 12 packages of 3 pieces each, sterile  
 Caja con 12 paquetes incluyendo 3 piezas, estériles  
 Emballage de 12 paquets comportant chacun 3 pièce, stériles  
 Scatola da 12 confezioni da 3 pezzi, sterili

**B01**

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

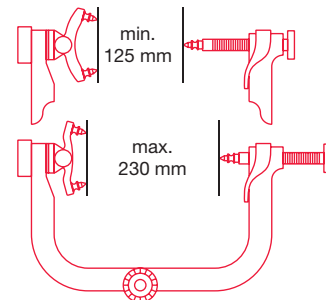
Dornaufnahmen  
 Skull pin holders  
 Soportes para pernos  
 Porte-épines  
 Braccetti per punte

①	105 mm	<b>57.70.16</b>
②	105 mm	<b>57.70.18</b>



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

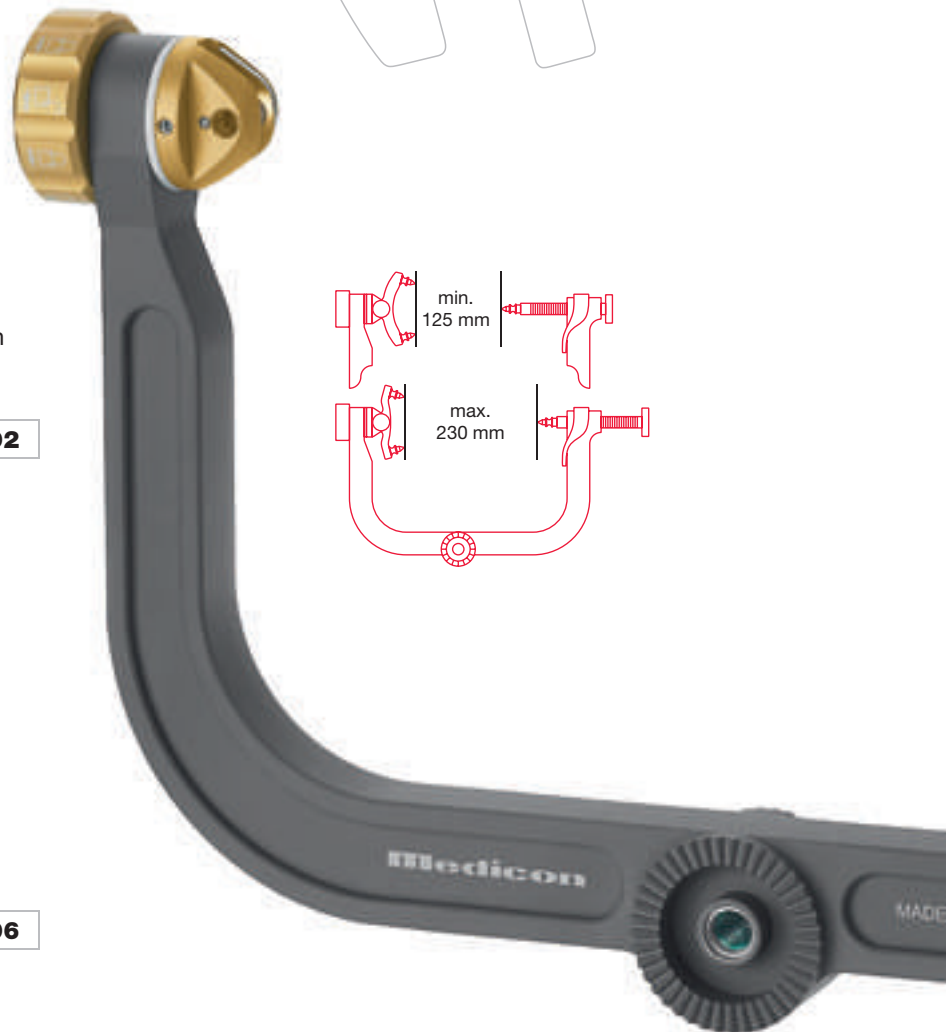
**Sörensen 57.70.02**



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



**40 mm 57.70.06**



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

**B01**



1:1



25 mm **57.70.44** P<sub>5</sub> **Ti**

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

1:1



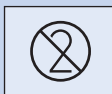
25 mm **57.70.46** P<sub>12x3</sub>

**STERILE**

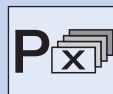
Verpackungseinheit 12 Pack mit je 3 Stück, steril  
 Packing unit 12 packages of 3 pieces each, sterile  
 Caja con 12 paquetes incluyendo 3 piezas, estériles  
 Emballage de 12 paquets comportant chacun 3 pièce, stériles  
 Scatola da 12 confezioni da 3 pezzi, sterili



IN GERMANY



Einmalprodukt  
 Single use product  
 Prodotto 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 di 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 crânien 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

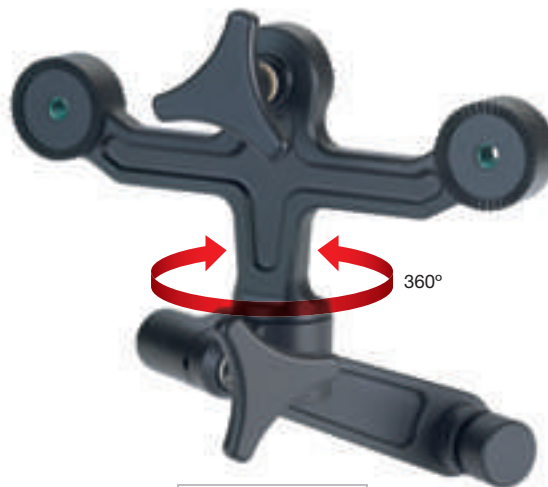
zur Adaption der Schädelklemme mit der Grundeinheit und weiterem operativen Zubehör

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 crânien 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 ◀



**B02****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**SCALP CLIPS  
**RANEY**  
*shark*

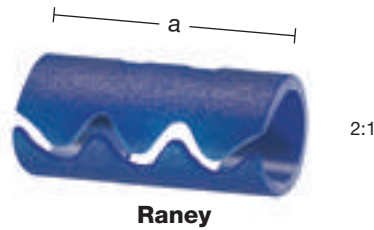
Kopfhautklammer aus Kunststoff

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<sub>[20x10]</sub>**STERILE**

Anlege- und Entnahmezange

Applying and removing forceps

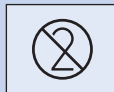
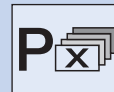
Pinza para aplicar y quitar

Pince à appliquer et retirer

Pinza per applicare e togliere



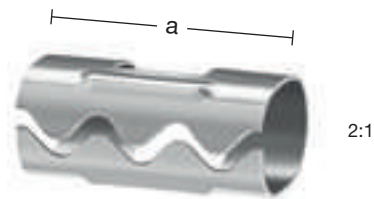
16 cm - 6 1/4"

**57.85.07**Einmalprodukt  
Single use product  
Producto para un solo uso  
Produit à usage unique  
Prodotto monousoVerpackungseinheit "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**



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"

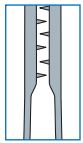
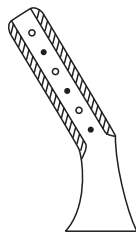
**57.85.05**



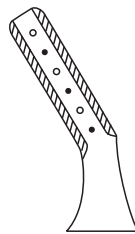
Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

**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**

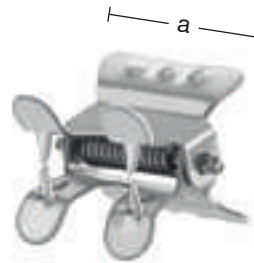
Kopfhautklammer aus Stahl

Steel scalp clip

Clip hemostático de acero para cuero cabelludo

Clip hémostatique en acier pour cuir chevelu

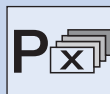
Clip emostatica in acciaio per cuoio capelluto



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**

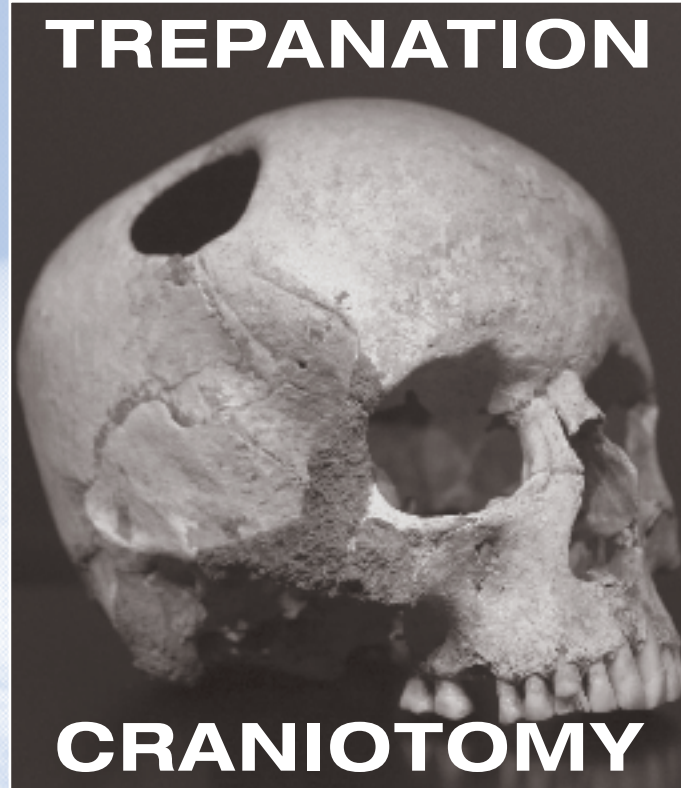
Trepanationen können bereits um 10.000 v. Chr. nachgewiesen werden. In Südamerika wurden mehrere Gräber (etwa 2000 Jahre alt) mit trepanierten Schädeln und chirurgischen Werkzeugen gefunden.

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.



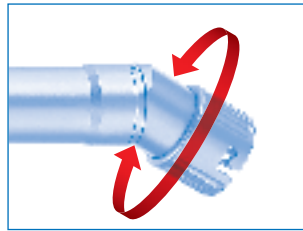
**Vip Air**  
PNEUMATIC HIGH SPEED SYSTEM

**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

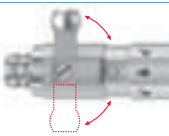


Das drehbare Winkelstück verhindert ein Verwinden des Motorschlauches  
 The rotatable elbow avoids a torsion of the motor tube  
 La pieza de mano giratoria evita una torsión del tubo de motor  
 Le coude à plat pivotant empêche une torsion du tuyau moteur  
 Il raccordo girevole impedisce una torsione 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
<b>93.00.20</b>	100.000 U/min	2,8 Ncm	60 Watt	6-8 bar	8±2 bar
<b>93.00.25</b>	950 U/min	45,0 Ncm	88 Watt	8 bar	8±2 bar

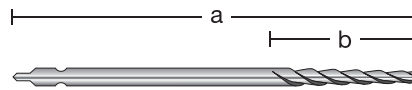
Kraniotome  
 Craniotomes  
 Cráneotomos  
 Crâniotomes  
 Craniotomi



1:1

a = 10 mm	a = 15 mm	a = 20 mm
<b>S</b>	<b>M</b>	<b>L</b>
<b>93.00.30</b>	<b>93.00.32</b>	<b>93.00.34</b>

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
<b>S</b>	<b>M</b>	<b>L</b>
<b>93.01.15</b>	<b>93.03.37</b>	<b>93.03.38</b>

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



HUDSON-Anschluß  
 HUDSON connection  
 Conexión HUDSON  
 Raccord HUDSON  
 Attacco HUDSON

1:1

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
<b>93.04.00</b>	<b>93.04.05</b>	<b>93.04.10</b>



# 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.

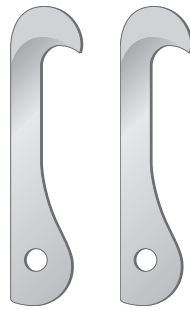


**Schädelstanzen**  
**Skull Punches**  
**Pinzas saca-bocadas para craneotomía**  
**Pinces emporte-pièce crâniennes**  
**Pinze per craniotomia**

**B03**

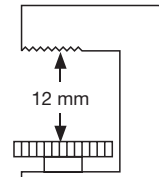
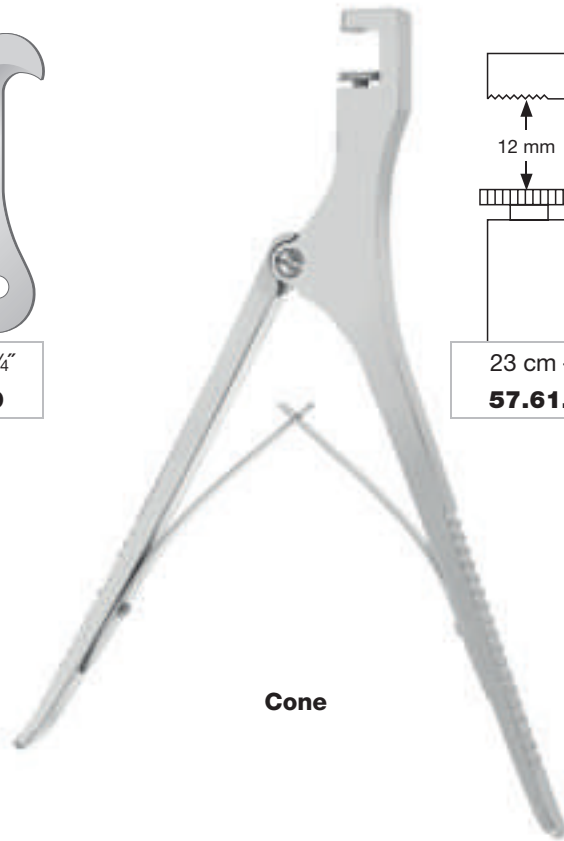


mit 2 Blättern  
 with 2 blades  
 con 2 hojas  
 avec 2 lames  
 con 2 lame



21 cm – 8¼"  
**57.01.20**

**Dahlgren**

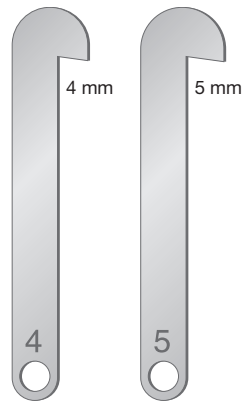


23 cm – 9"  
**57.61.11**

**Cone**



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



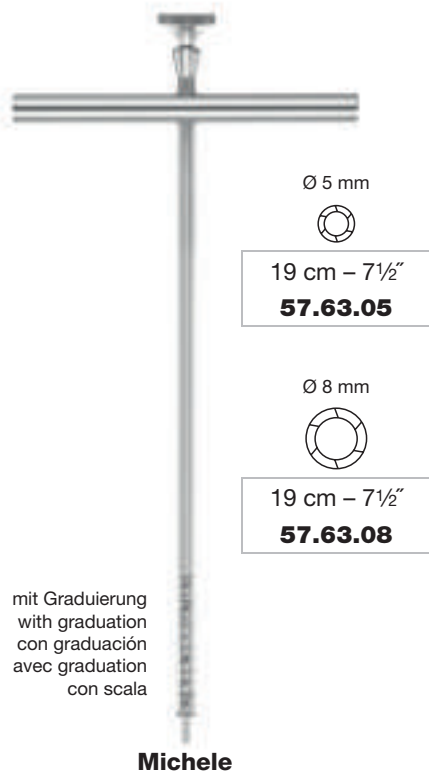
21 cm – 8¼"  
**57.01.21**

**DeVilbiss**

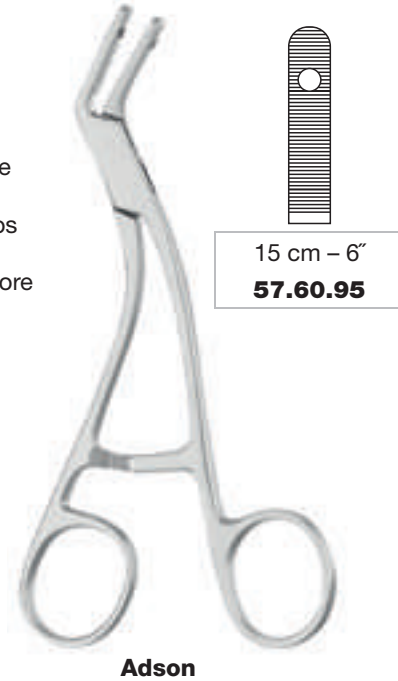


**Schädeltrephinen und Bohrerführungszange**  
**Skull Trephines and Drill Guide Forceps**  
**Trépanos craneales y pinza guía de taladros**  
**Tréphines crâniennes et pince guide-forêt**  
**Trapano cranico e pinza guida-perforatore**

**B03**



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

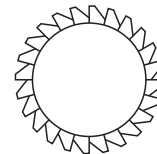
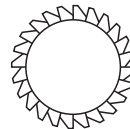
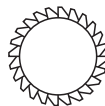


mit verstellbarem Dorn und abnehmbarem Quergriff  
 with adjustable centering point and detachable cross-bar handle  
 con guía-central ajustable y mango transversal desmontable  
 avec pointe ajustable et manche transversal démontable  
 con punta regolibile e manico trasversale smontabile

Ø 13 mm

Ø 16 mm

Ø 19 mm



11 cm – 4¾”

11 cm – 4¾”

11 cm – 4¾”

**57.63.13**

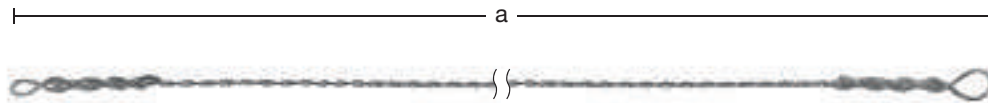
**57.63.16**

**57.63.19**

**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	<b>57.64.30</b>	a = 300 mm
Ø 1 mm	<b>57.64.40</b>	a = 400 mm
Ø 1 mm	<b>57.64.50</b>	a = 500 mm
Ø 1 mm	<b>57.64.60</b>	a = 600 mm
Ø 1 mm	<b>57.64.70</b>	a = 700 mm

Handgriffe  
 Handle  
 Mango  
 Manche  
 Manico

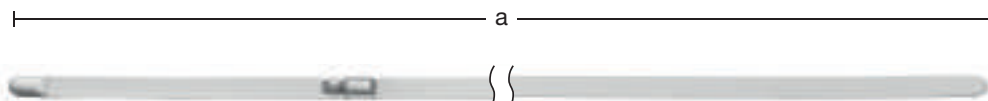
**Gigli**

**57.64.02**

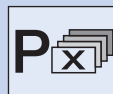
**Gigli**

**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	<b>57.64.90</b>	a = 330 mm
------	-----------------	------------

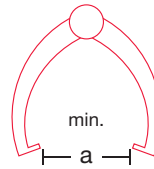


**Schädelhalter**  
**Skull Traction Tongs**  
**Pinzas craneales de tracción**  
**Pinces de traction crâne**  
**Pinze di trazione per cranio**

**B03**

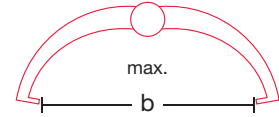


**Crutchfield**



min.

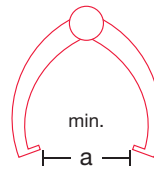
a



max.

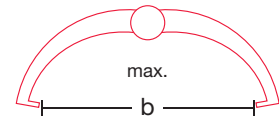
b

a = 65 mm	<b>57.67.01</b>	b = 115 mm
a = 90 mm	<b>57.67.02</b>	b = 180 mm



min.

a



max.

b

a = 30 mm	<b>57.68.02</b>	b = 155 mm
-----------	-----------------	------------

Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:	<b>57.68.12</b> Wrench	1x
	<b>57.68.13</b> 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 – 10<sup>3</sup>/<sub>4</sub>”  
**57.60.03**

Verlängerungsstück  
 Extension piece  
 Pieza de prolongación  
 Rallonge  
 Pezzo di prolungamento

9 cm – 3<sup>1</sup>/<sub>2</sub>”  
**57.60.05**

**Hudson****Hudson****57.60.00**

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

<b>57.60.03</b>	Hand drill	1x
<b>57.60.05</b>	Extension piece	1x
<b>57.60.09</b>	Burr	1x
<b>57.60.14</b>	Burr	1x
<b>57.60.16</b>	Dust burr	1x
<b>57.60.22</b>	Dust burr	1x

Flachbohrer  
 Flat drill  
 Broca plano  
 Fraise en plat  
 Perforatore piatto



**Cushing 57.60.34** Ø 14 mm

Fräser  
 Burrs  
 Fresas  
 Fraises  
 Frese



**57.60.09** Ø 9 mm



**57.60.14** Ø 14 mm

Kugelfräser  
 Spherical burrs  
 Fresas redondas  
 Fraises forme boule  
 Frese a pallina



**57.60.16** Ø 16 mm



**57.60.22** Ø 22 mm

Perforationsbohrer  
 Perforators  
 Brocas helicoidales  
 Fraises hélicoïdales  
 Perforatori elicoidali



**McKenzie 57.60.43** Ø 13 mm

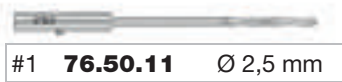


**D'Errico 57.60.76** Ø 16 mm

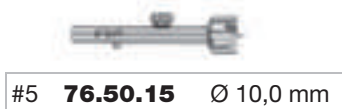
**Handbohrapparate und Werkzeuge**  
**Hand Drills and Tools**  
**Perforadores de mano y terminales**  
**Perforateurs à main et outils**  
**Trapani a mano e punte**

**B03**

Spiralbohrer  
 Twist drills  
 Brocas espirales  
 Fraises en spirale  
 Perforatori a spirale



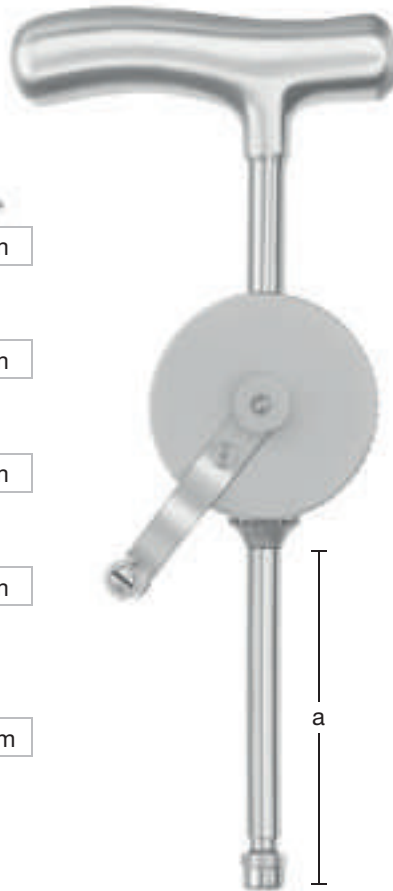
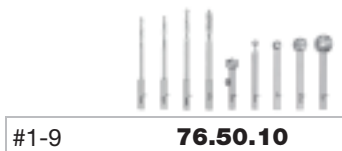
Trephine  
 Trephine  
 Trépano  
 Tréphine  
 Trapano



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	
<b>76.50.01</b>	a = 50 mm
Stille-Sherman	
<b>76.50.31</b>	a = 100 mm

Vorbohrer  
 Reamer  
 Perforador  
 Alésoir  
 Perforatore



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

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

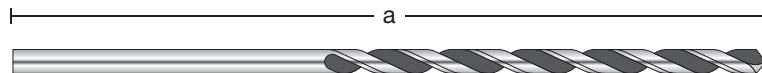
mit Dreibackenspannfutter und Schlüssel  
 with three-jaw chuck and wrench  
 con porta-brocas de trimandibular y llave  
 avec mandrin trois mâchoires et clé  
 con mandrino a tre ganasce e chiave

**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	<b>76.69.15</b>	a = 7,0 cm
Ø 2,0 mm	<b>76.69.20</b>	a = 8,5 cm
Ø 2,5 mm	<b>76.69.25</b>	a = 9,5 cm
Ø 3,0 mm	<b>76.69.30</b>	a = 10,0 cm
Ø 3,2 mm	<b>76.69.32</b>	a = 10,0 cm

Ø 3,5 mm	<b>76.69.35</b>	a = 11,0 cm
Ø 4,0 mm	<b>76.69.40</b>	a = 12,0 cm
Ø 4,5 mm	<b>76.69.45</b>	a = 13,0 cm
Ø 5,0 mm	<b>76.69.50</b>	a = 13,0 cm
Ø 6,0 mm	<b>76.69.60</b>	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 mono pezzo ◀



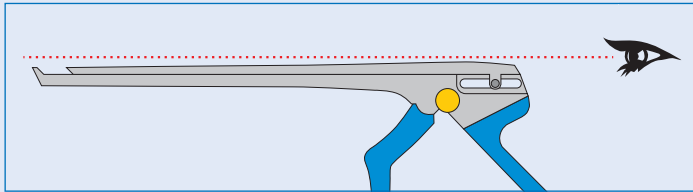
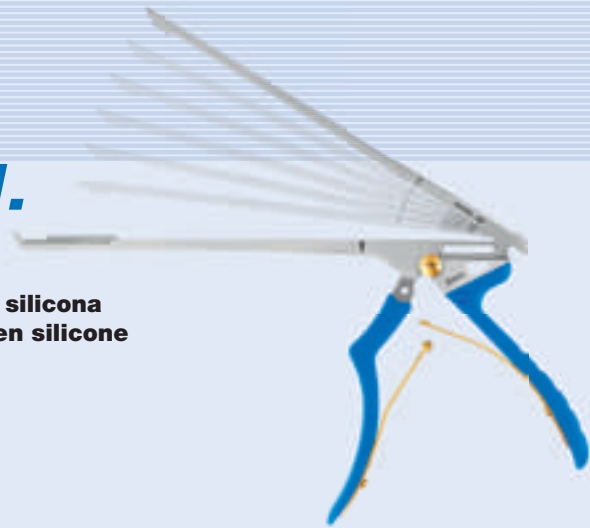
Kerrison  
 ...DieBLAUEN.



B04

# Kerrison ...DieBLAUEN.

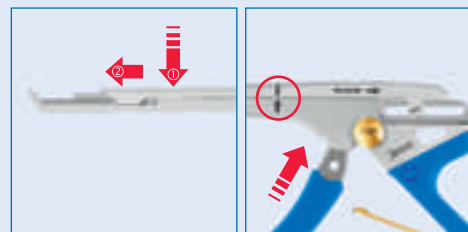
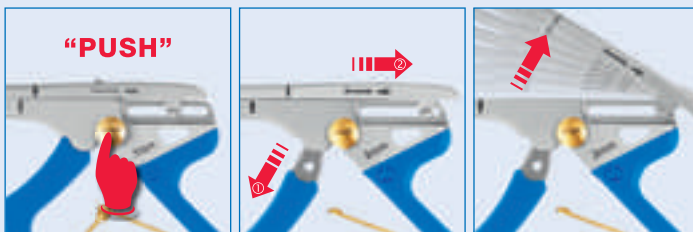
**Zerlegbare Stanzen mit Silikon Griff**  
**Dismantable Rongeurs with Silicone Handle**  
**Pinzas saca-bocadas desmontables con mango de silicona**  
**Pinces emporte-pièce démontables avec manche en silicone**  
**Laminotomi smontabili con manico in silicone**



**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 confort 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**



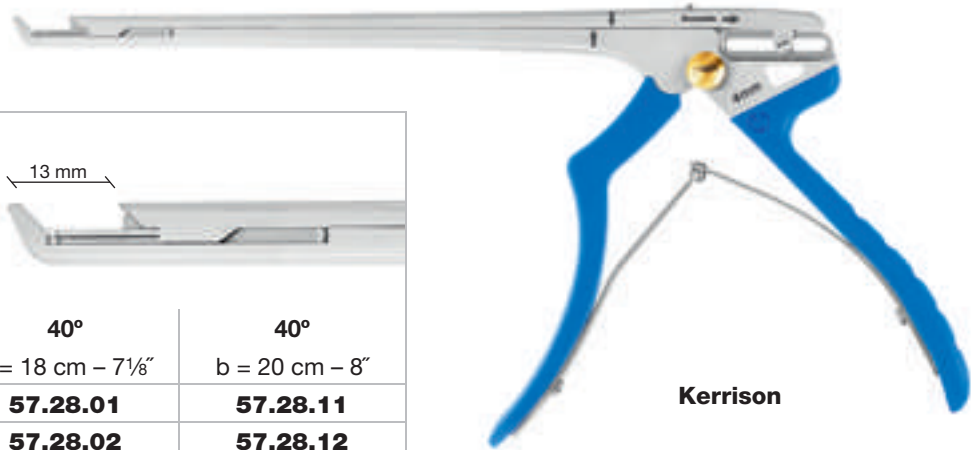
Kerrison  
...DieBLAUEN.

**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	<b>57.28.01</b>	<b>57.28.11</b>
2 mm	<b>57.28.02</b>	<b>57.28.12</b>
3 mm	<b>57.28.03</b>	<b>57.28.13</b>
4 mm	<b>57.28.04</b>	<b>57.28.14</b>
5 mm	<b>57.28.05</b>	<b>57.28.15</b>
6 mm	<b>57.28.06</b>	<b>57.28.16</b>

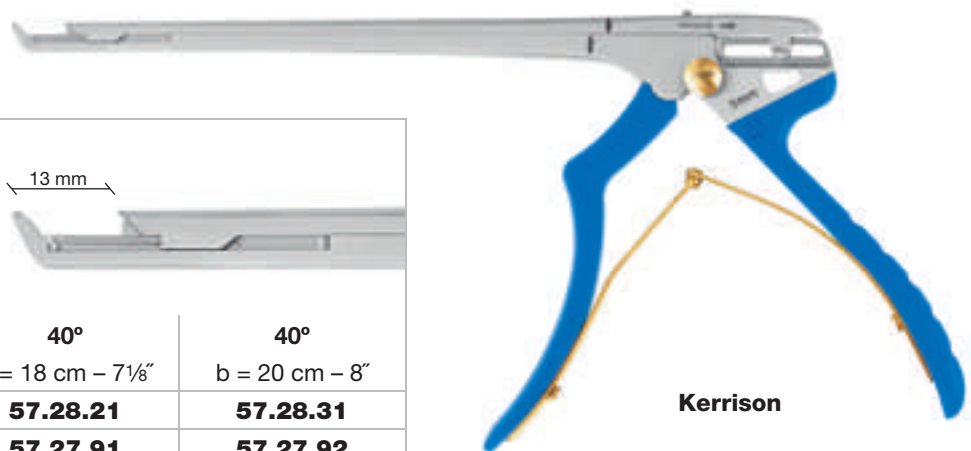
Kerrison



mit Auswerfer  
with ejector  
con espulsor  
avec éjecteur  
con espulsore

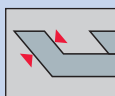


— b —

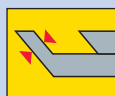


Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	40°	40°
a	b = 18 cm – 7 1/8"	b = 20 cm – 8"
1,0 mm	<b>57.28.21</b>	<b>57.28.31</b>
1,5 mm	<b>57.27.91</b>	<b>57.27.92</b>
2,0 mm	<b>57.28.22</b>	<b>57.28.32</b>
3,0 mm	<b>57.28.23</b>	<b>57.28.33</b>
4,0 mm	<b>57.28.24</b>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

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.

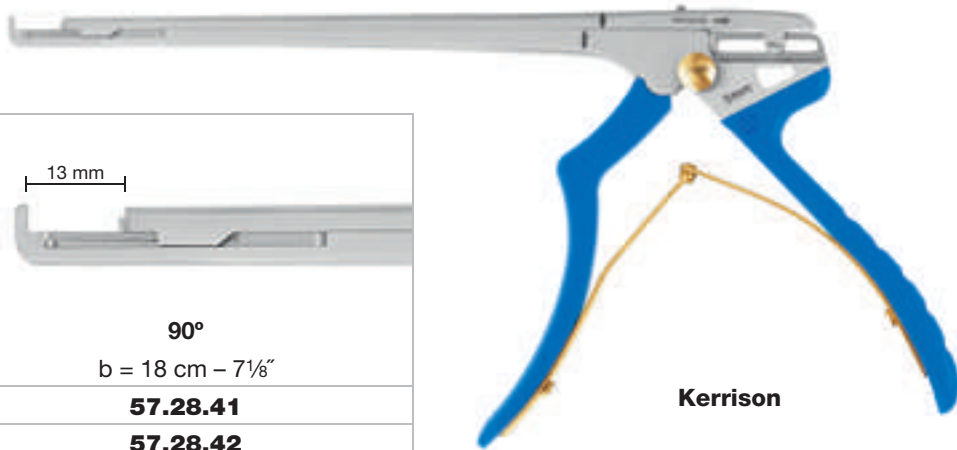
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EJECTOR

b

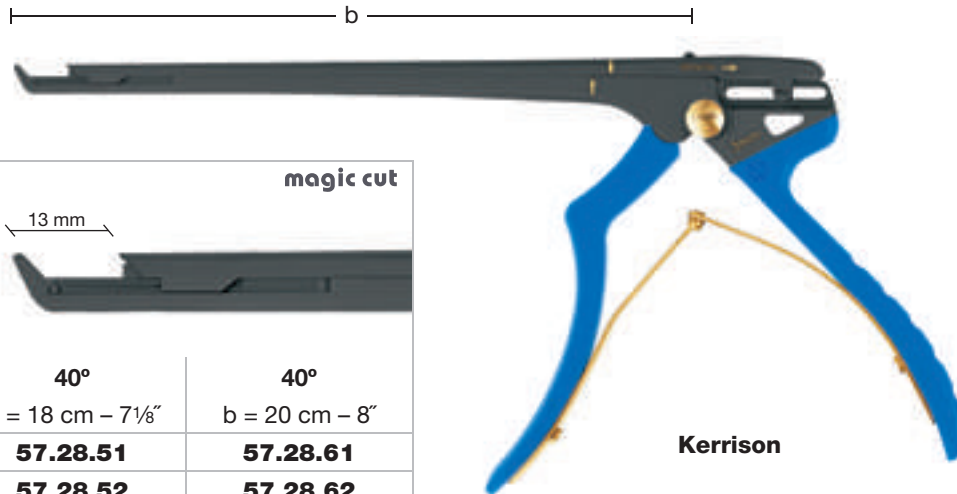
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	a	D	13 mm	90°	
				b = 18 cm - 7 1/8"	
1 mm				<b>57.28.41</b>	
2 mm				<b>57.28.42</b>	
3 mm				<b>57.28.43</b>	
4 mm				<b>57.28.44</b>	
5 mm				<b>57.28.45</b>	
6 mm				<b>57.28.46</b>	

**Kerrison**

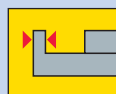
EJECTOR

b

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

**Kerrison**

mit Auswerfer  
with ejector  
con espulsor  
avec éjecteur  
con espulsore

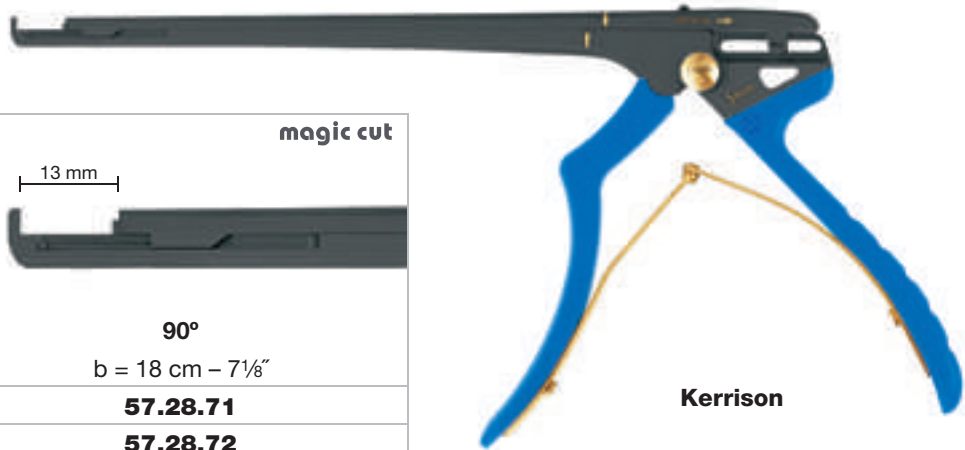
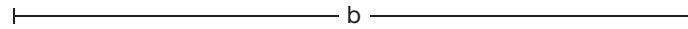


Schmale Stanzplatte = goldene Feder  
Narrow footplate = golden spring  
Lámina de punzonar estrecha = muelle dorada  
Plaque de poinçonnage étroite = ressort doré  
Morso sottile = molla dorata

Kerrison  
...DieBLAUEN.

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

**B04**

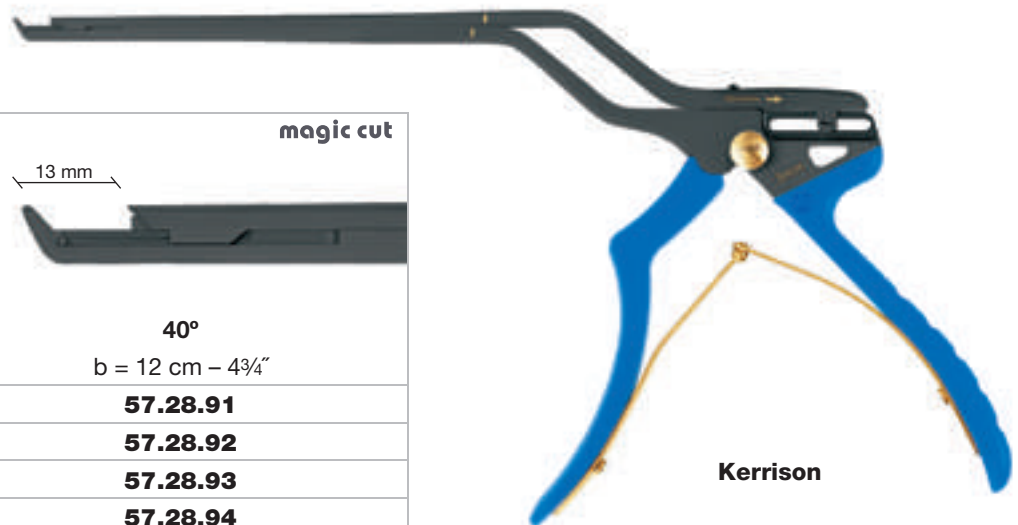
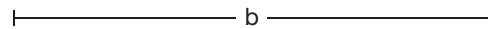


Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	magic cut	
		13 mm	90° b = 18 cm - 7 1/8"
1 mm	a		<b>57.28.71</b>
2 mm			<b>57.28.72</b>
3 mm			<b>57.28.73</b>
4 mm			<b>57.28.74</b>
5 mm			<b>57.28.75</b>
6 mm			<b>57.28.76</b>

**Kerrison**



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	D	magic cut	
		13 mm	40° b = 12 cm - 4 3/4"
1 mm	a		<b>57.28.91</b>
2 mm			<b>57.28.92</b>
3 mm			<b>57.28.93</b>
4 mm			<b>57.28.94</b>
5 mm			<b>57.28.95</b>
6 mm			<b>57.28.96</b>

**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

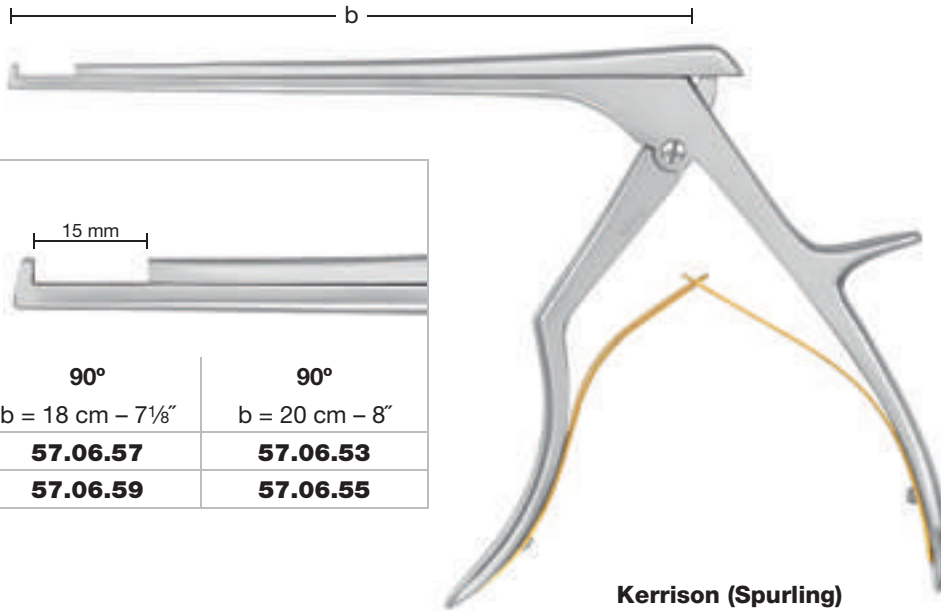
**B04**

**Stanzen**  
**Rongeurs**  
**Pinzas saca-bocadas**  
**Pinces emporte-pièce**  
**Laminotomi**

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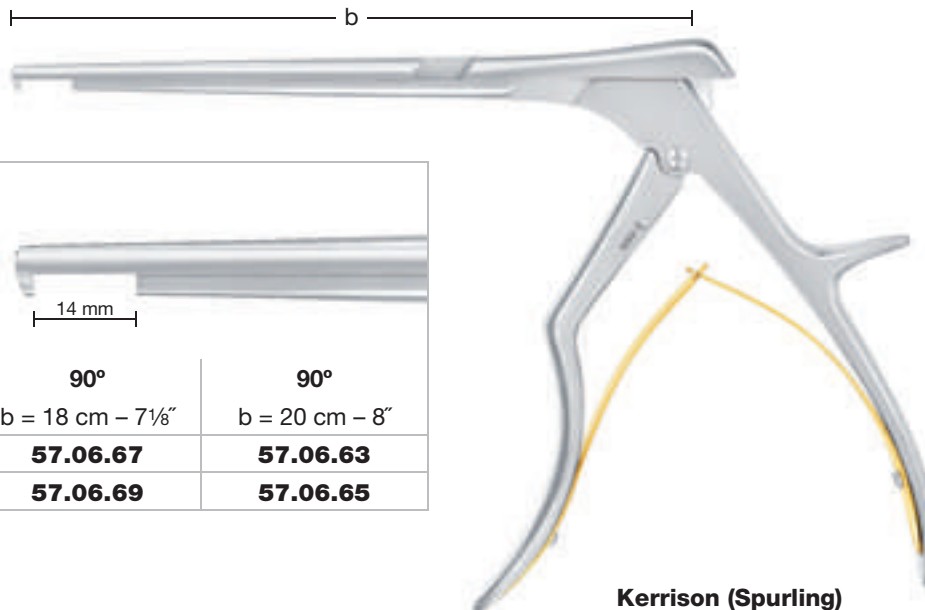
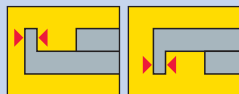
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	a	
	90°	90°
	b = 18 cm - 7 1/8"	b = 20 cm - 8"
3 mm	<b>57.06.57</b>	<b>57.06.53</b>
5 mm	<b>57.06.59</b>	<b>57.06.55</b>

**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	
	90°	90°
	b = 18 cm - 7 1/8"	b = 20 cm - 8"
3 mm	<b>57.06.67</b>	<b>57.06.63</b>
5 mm	<b>57.06.69</b>	<b>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° b = 18 cm - 7 1/8"	40° b = 20 cm - 8"
	3 mm <b>57.06.93</b>	5 mm <b>57.06.95</b>

**Kerrison (Schlesinger)**

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

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

**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

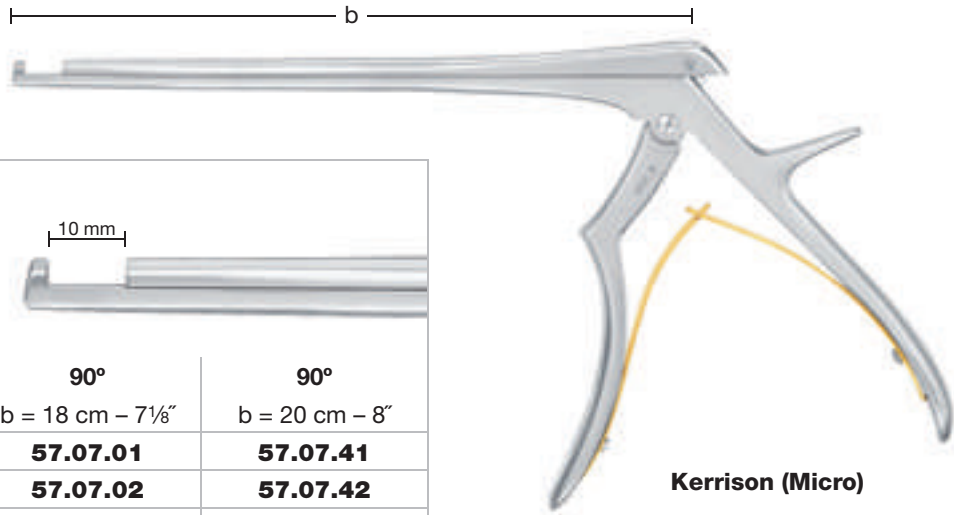
**B04**

**Stanzen**  
**Rongeurs**  
**Pinzas saca-bocadas**  
**Pinces emporte-pièce**  
**Laminotomi**

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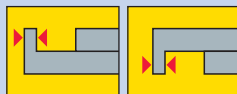
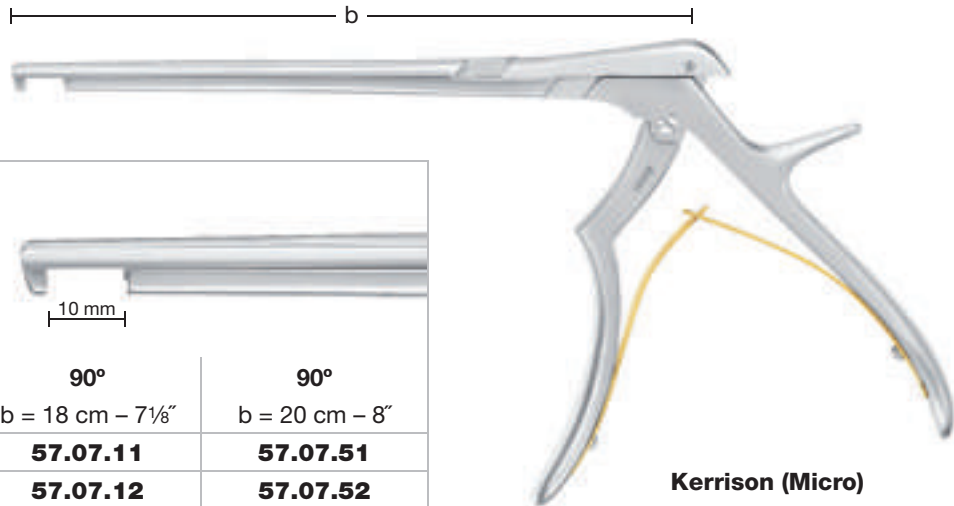
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D a I	
	90° b = 18 cm - 7 1/8"	90° b = 20 cm - 8"
1 mm	<b>57.07.01</b>	<b>57.07.41</b>
2 mm	<b>57.07.02</b>	<b>57.07.42</b>
3 mm	<b>57.07.03</b>	<b>57.07.43</b>
4 mm	<b>57.07.04</b>	<b>57.07.44</b>
5 mm	<b>57.07.05</b>	<b>57.07.45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



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



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	<b>57.07.11</b>	<b>57.07.51</b>
2 mm	<b>57.07.12</b>	<b>57.07.52</b>
3 mm	<b>57.07.13</b>	<b>57.07.53</b>
4 mm	<b>57.07.14</b>	<b>57.07.54</b>
5 mm	<b>57.07.15</b>	<b>57.07.55</b>
6 mm	<b>57.07.16</b>	<b>57.07.56</b>



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

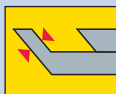
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso a	40° b = 18 cm - 7 1/8"	40° b = 20 cm - 8"
	1 mm	<b>57.07.21</b>
2 mm	<b>57.07.22</b>	<b>57.07.62</b>
3 mm	<b>57.07.23</b>	<b>57.07.63</b>
4 mm	<b>57.07.24</b>	<b>57.07.64</b>
5 mm	<b>57.07.25</b>	<b>57.07.65</b>
6 mm	<b>57.07.26</b>	<b>57.07.66</b>

**Kerrison (Micro)**



Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso a	40° b = 18 cm - 7 1/8"	40° b = 20 cm - 8"
	1 mm	<b>57.07.31</b>
2 mm	<b>57.07.32</b>	<b>57.07.72</b>
3 mm	<b>57.07.33</b>	<b>57.07.73</b>
4 mm	<b>57.07.34</b>	<b>57.07.74</b>
5 mm	<b>57.07.35</b>	<b>57.07.75</b>
6 mm	<b>57.07.36</b>	<b>57.07.76</b>

**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

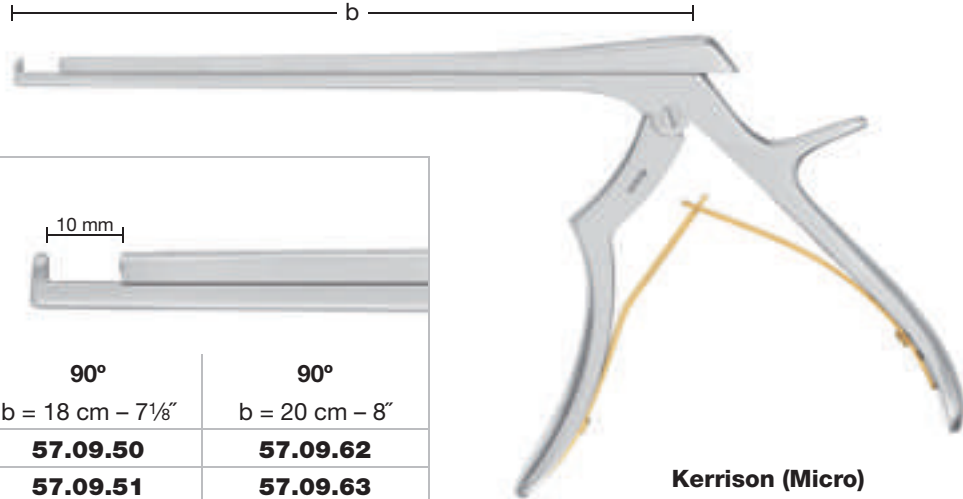
**B04**

**Stanzen**  
**Rongeurs**  
**Pinzas saca-bocadas**  
**Pinces emporte-pièce**  
**Laminotomi**

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



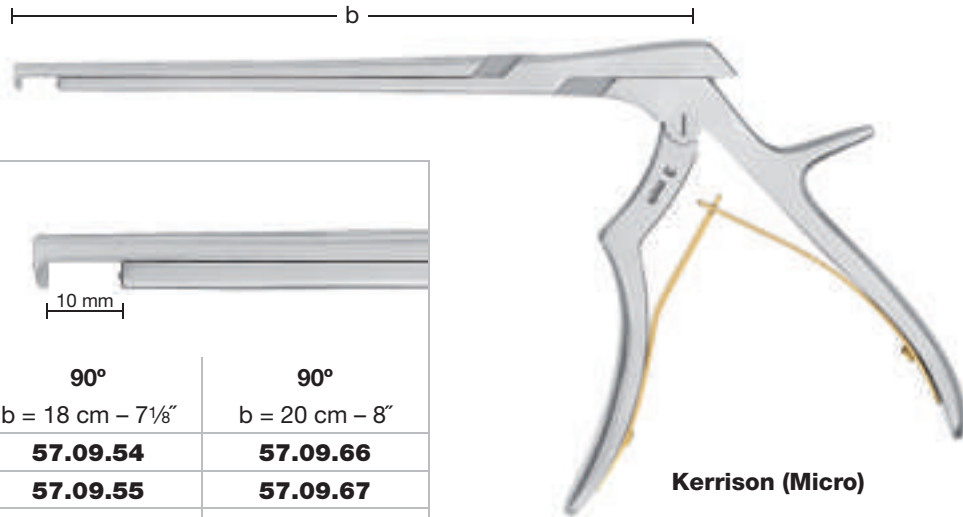
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	D	
	90°	90°
a	b = 18 cm - 7 1/8"	b = 20 cm - 8"
2 mm	<b>57.09.50</b>	<b>57.09.62</b>
3 mm	<b>57.09.51</b>	<b>57.09.63</b>
4 mm	<b>57.09.52</b>	<b>57.09.64</b>
5 mm	<b>57.09.53</b>	<b>57.09.65</b>

**Kerrison (Micro)**

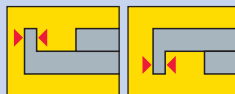
Griff (klein)  
 Handle (small)  
 Mango (pequeño)  
 Manche (petit)  
 Manico (piccolo)



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	<b>57.09.54</b>	<b>57.09.66</b>
3 mm	<b>57.09.55</b>	<b>57.09.67</b>
4 mm	<b>57.09.56</b>	<b>57.09.68</b>
5 mm	<b>57.09.57</b>	<b>57.09.69</b>

**Kerrison (Micro)**

mit Auswerfer  
 with ejector  
 con espulsor  
 avec éjecteur  
 con espulsore



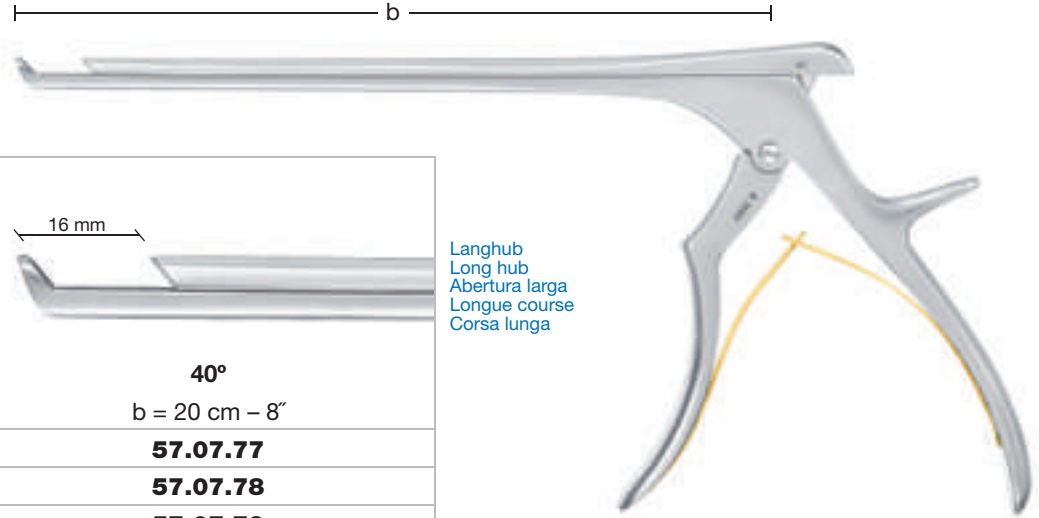
Schmale Stanzplatte = goldene Feder  
 Narrow footplate = golden spring  
 Lámina de punzonar estrecha = muelle dorada  
 Plaque de poinçonnage étroite = ressort doré  
 Morso sottile = molla dorata





**Stanzen**  
**Rongeurs**  
**Pinzas saca-bocadas**  
**Pinces emporte-pièce**  
**Laminotomi**

**B04**



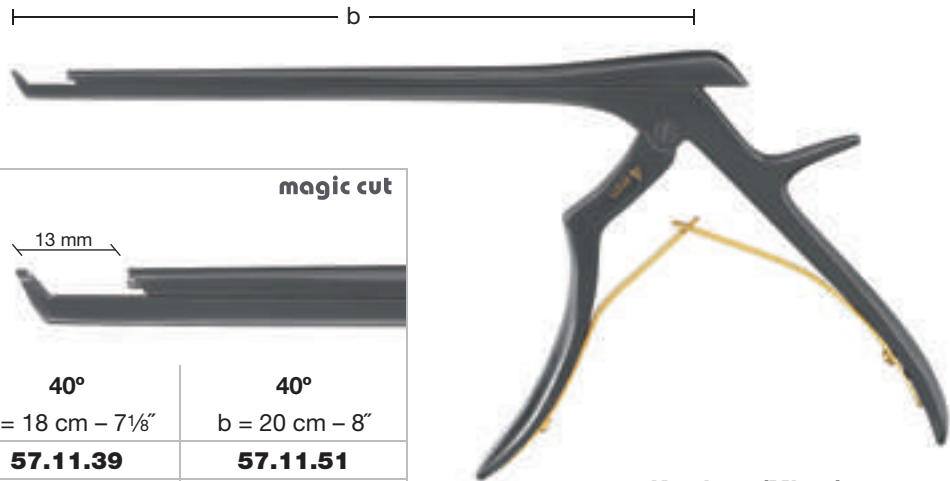
Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso	 16 mm 40° b = 20 cm - 8"
1 mm	<b>57.07.77</b>
2 mm	<b>57.07.78</b>
3 mm	<b>57.07.79</b>
4 mm	<b>57.07.80</b>
5 mm	<b>57.07.81</b>
6 mm	<b>57.07.82</b>

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	magic cut	
	 13 mm 40° b = 18 cm - 7 1/8"	40° b = 20 cm - 8"
2 mm	<b>57.11.39</b>	<b>57.11.51</b>
3 mm	<b>57.11.40</b>	<b>57.11.52</b>
4 mm	<b>57.11.41</b>	<b>57.11.53</b>
5 mm	<b>57.11.42</b>	<b>57.11.54</b>

**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° $b = 18 \text{ cm} - 7\frac{1}{8}''$
5 mm	<b>57.10.05</b>

— b —





**Kerrison (Ferris-Smith)**



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

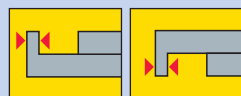


Stanzbreite Jaw width Ancho del corte Largeur des mors Larghezza de morso 	 10 mm 90° $b = 18 \text{ cm} - 7\frac{1}{8}''$
5 mm	<b>57.10.15</b>

— b —



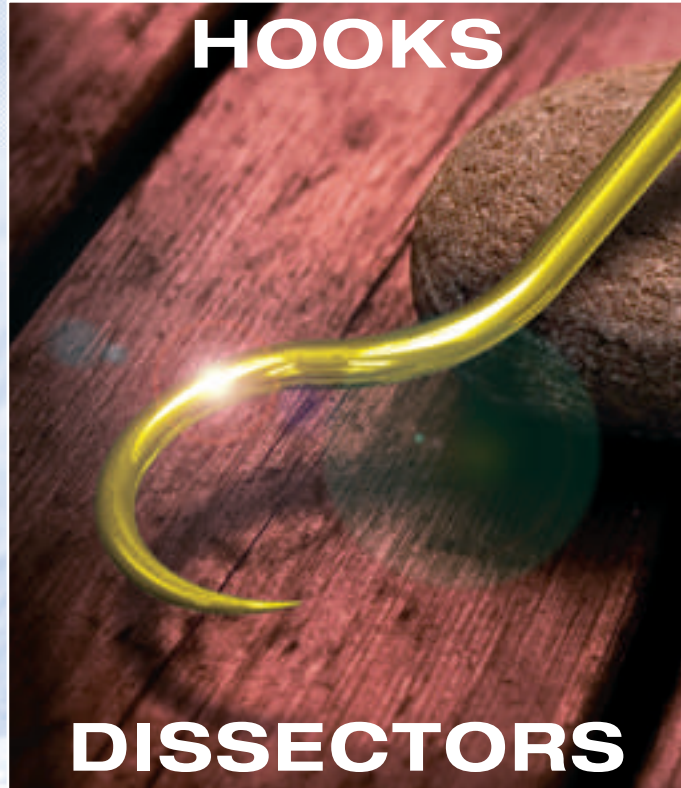
**Kerrison (Ferris-Smith)**



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



16 cm – 6¼"  
**20.20.57**

9 mm



16 cm – 6¼"  
**20.20.59**



4 mm



16 cm – 6¼"  
**20.20.34**



2 mm



14 cm – 5½"  
**20.22.01**

3 mm



14 cm – 5½"  
**20.22.02**

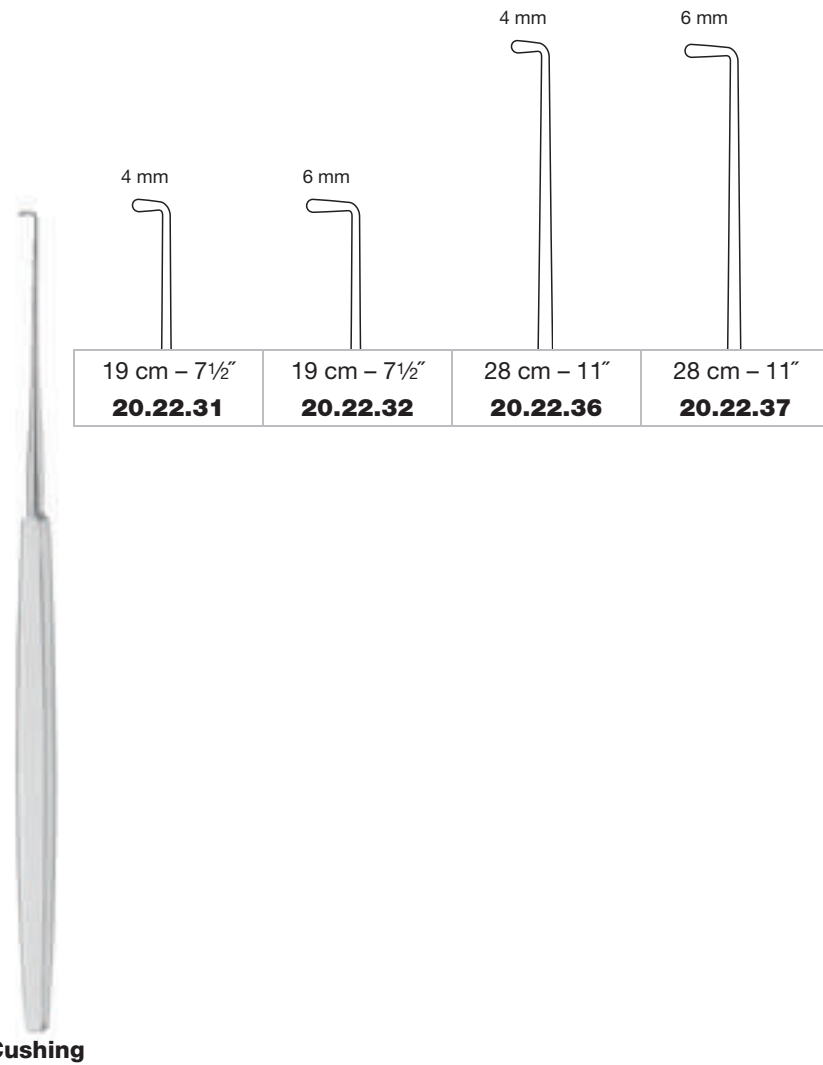
4 mm



14 cm – 5½"  
**20.22.03**

**Lucae**

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





# B05

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



2 mm

5 mm

8 mm

19 cm – 7½"  
**57.49.19**

19 cm – 7½"  
**57.49.20**

19 cm – 7½"  
**57.49.21**



3 mm

4 mm

5 mm

a = 110 mm  
 24 cm – 9½"  
**57.50.24**

a = 110 mm  
 24 cm – 9½"  
**57.50.25**

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**

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**



**Krayenbühl**



Vergrößerung  
Magnification  
Engrandecimiento  
Agrandissement  
Ingrandimento



# B05

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

Häkchen  
Hooks  
Ganchos  
Crochets  
Uncini



**Jacobson**

2,0 mm

18,5 cm - 7 1/4"  
**58.30.26**



**Fisch**

1,5 mm

18,5 cm - 7 1/4"  
**58.32.03**



1,5 mm

23 cm - 9"  
**58.32.13**



1,5 mm

23 cm - 9"  
**58.32.18**



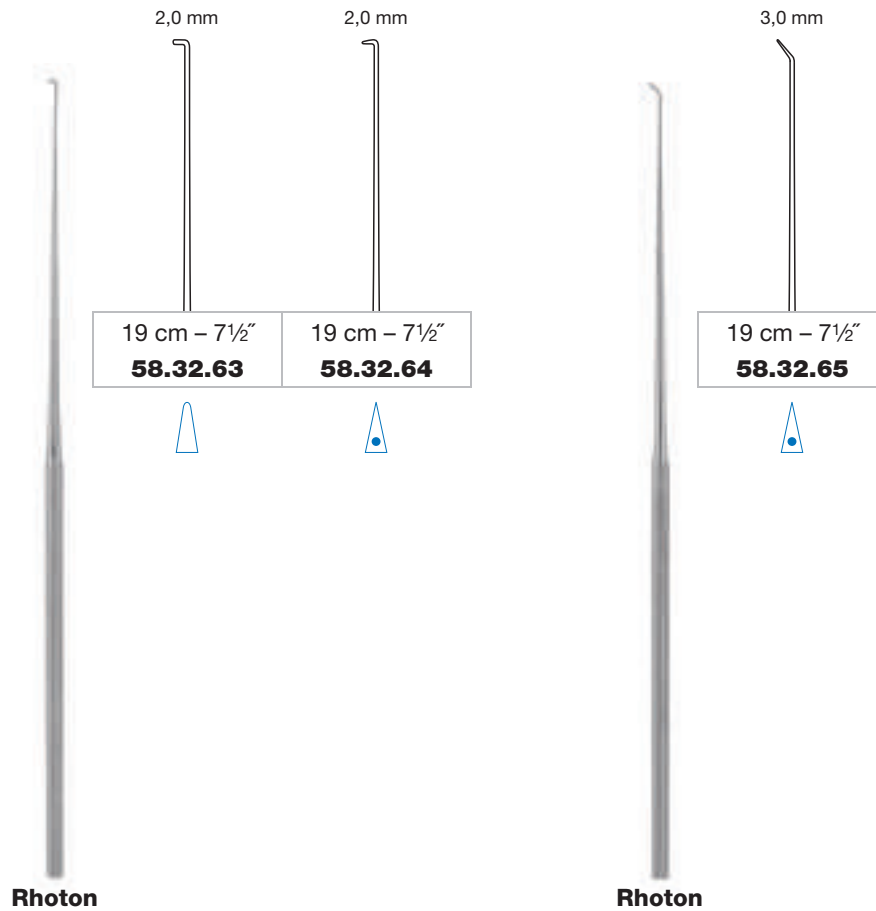
spitz  
sharp  
agudo  
pointu  
acuta



stumpf  
blunt  
romo  
mousse  
smussa



Häkchen  
Hooks  
Ganchos  
Crochets  
Uncini



stumpf  
blunt  
romo  
mousse  
smussa

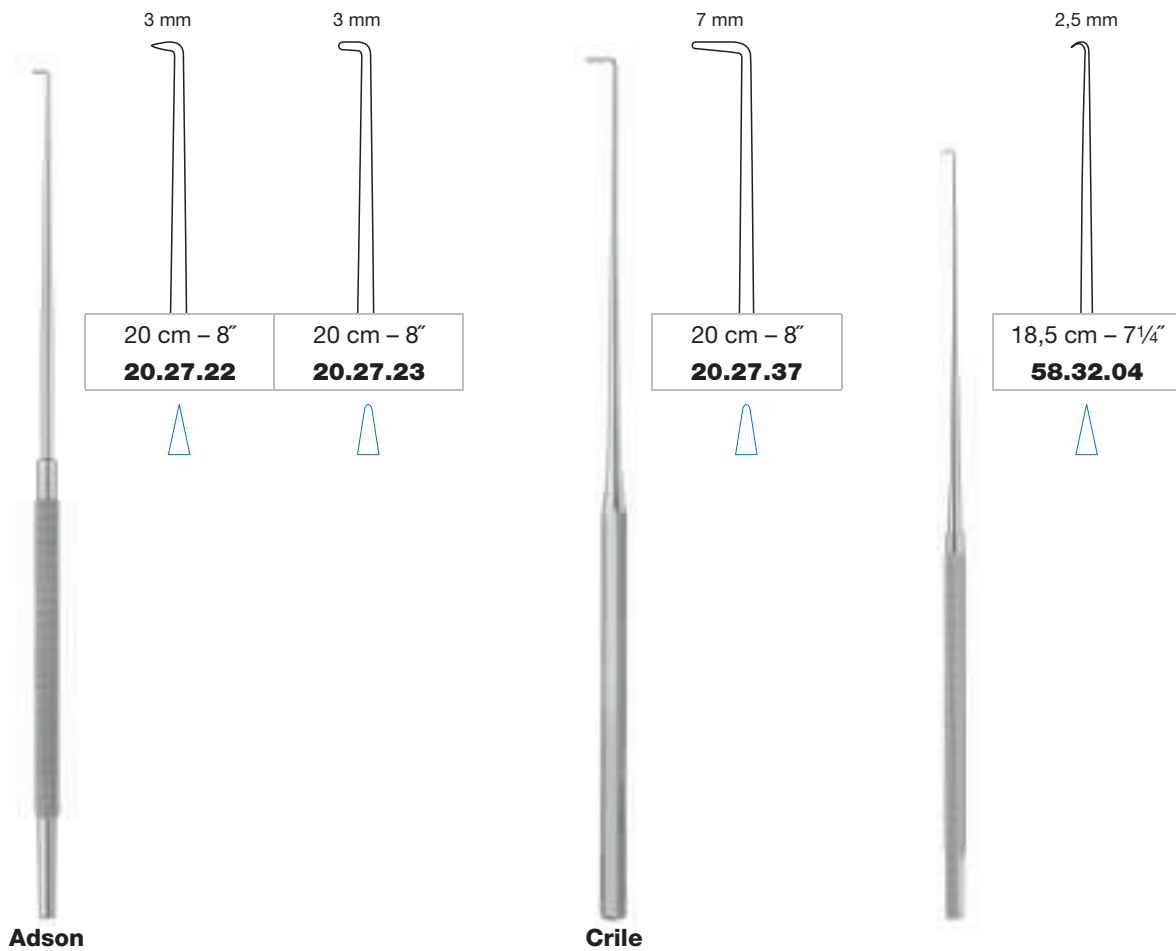
halbspitz  
semi sharp  
semi agudo  
semi pointu  
semi acuta



# 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

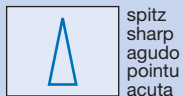
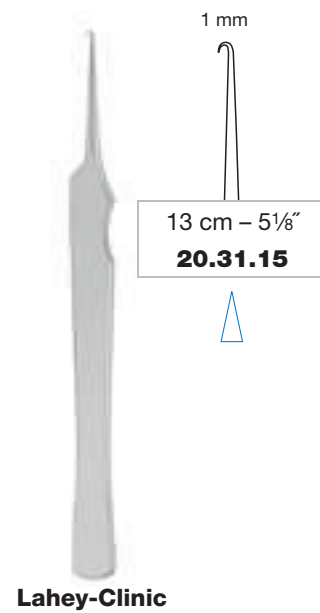
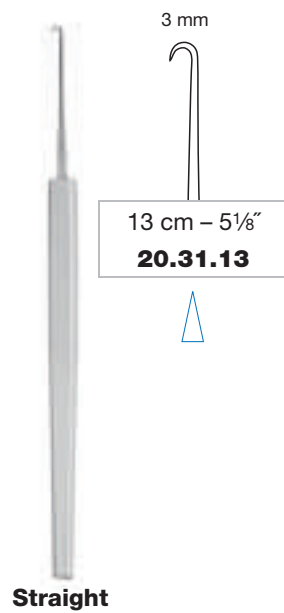
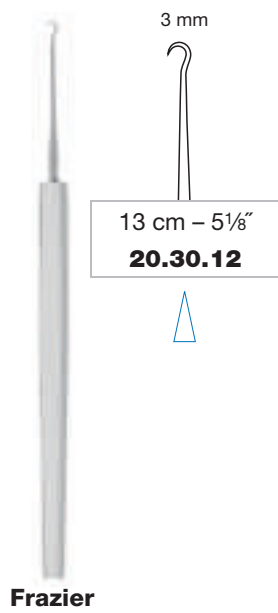
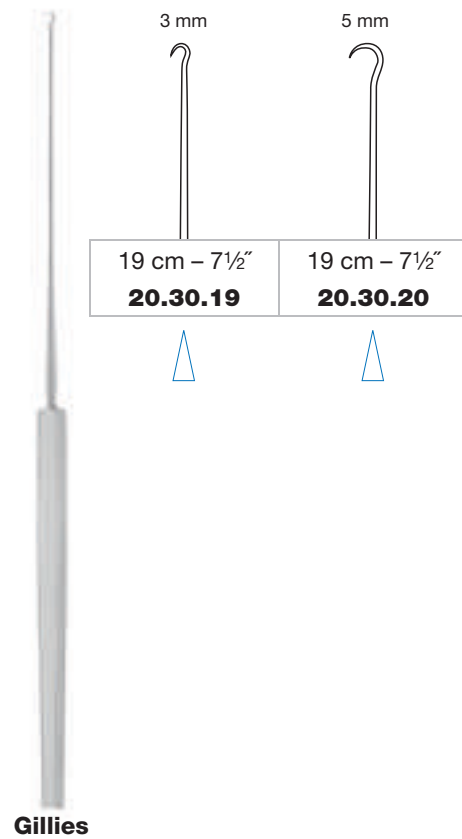


spitz  
 sharp  
 agudo  
 pointu  
 acuta



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

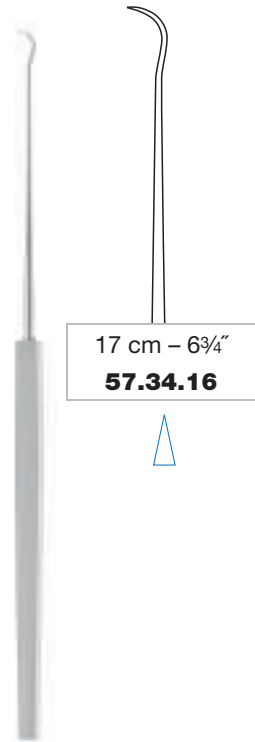




# B05

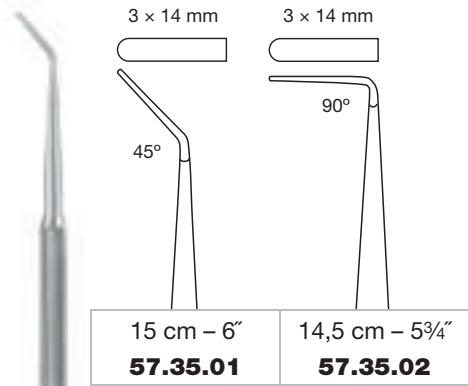
**Haken**  
**Hooks**  
**Ganchos**  
**Crochets**  
**Uncini**

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



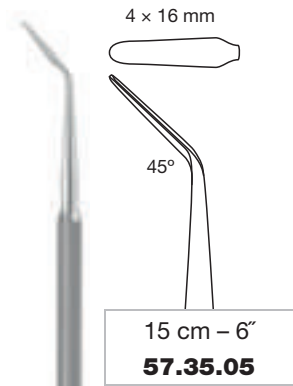
17 cm – 6¾"  
**57.34.16**

**Toennis**



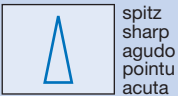
3 x 14 mm      3 x 14 mm  
45°      90°  
15 cm – 6"      14,5 cm – 5¾"  
**57.35.01**      **57.35.02**

**Hoen**



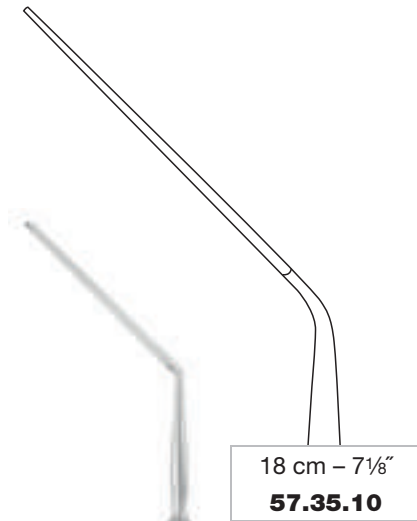
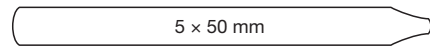
4 x 16 mm  
45°  
15 cm – 6"  
**57.35.05**

**Frazier**

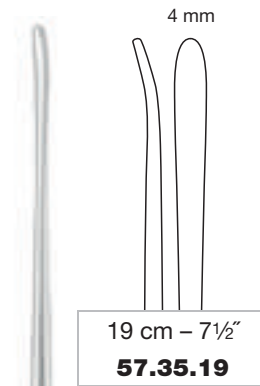


spitz  
sharp  
agudo  
pointu  
acuta

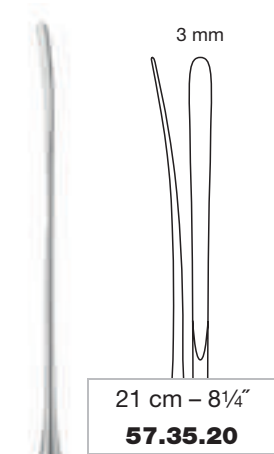
Dura- und Nerv-Separatoren  
Dura and nerve separators  
Separadores para duramadre y nervios  
Séparateurs pour dure-mère et nerfs  
Separatori per dura-madre e nervi



**Horsley**



**Davis**



**Sachs**

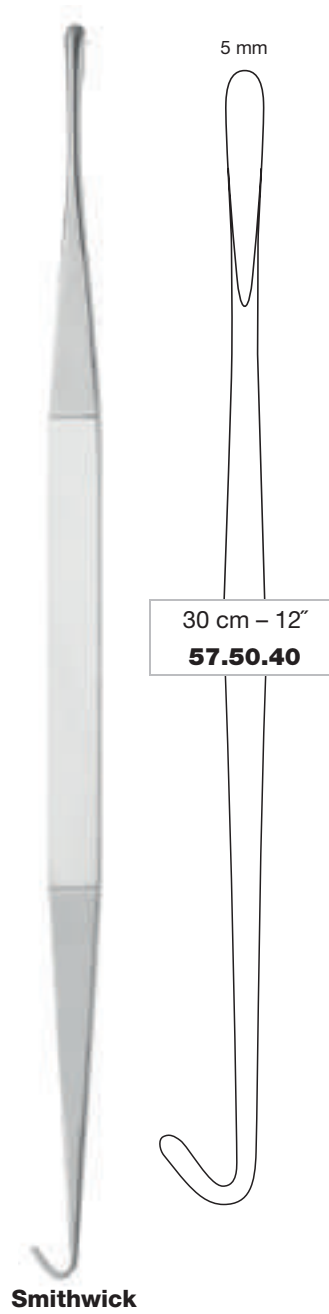
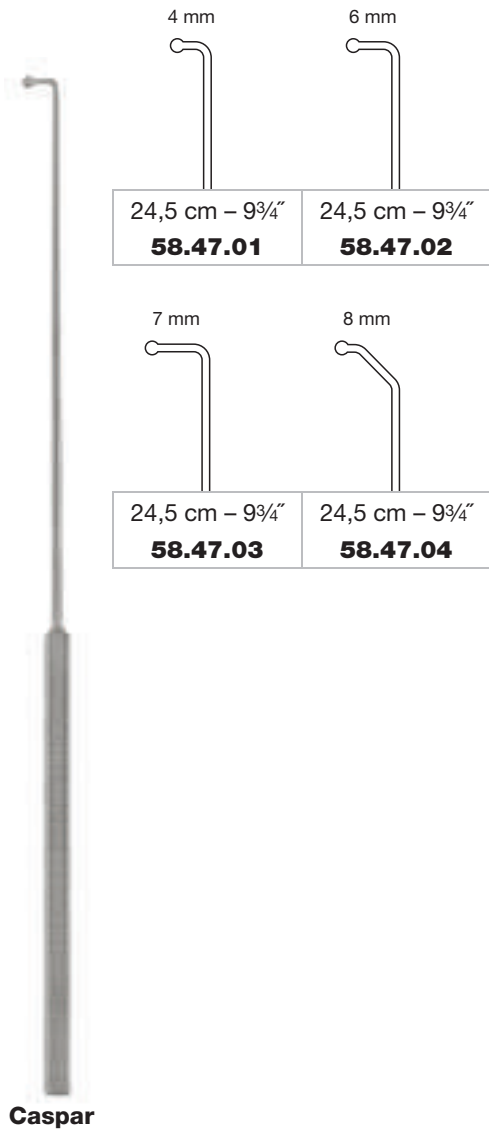


# B05

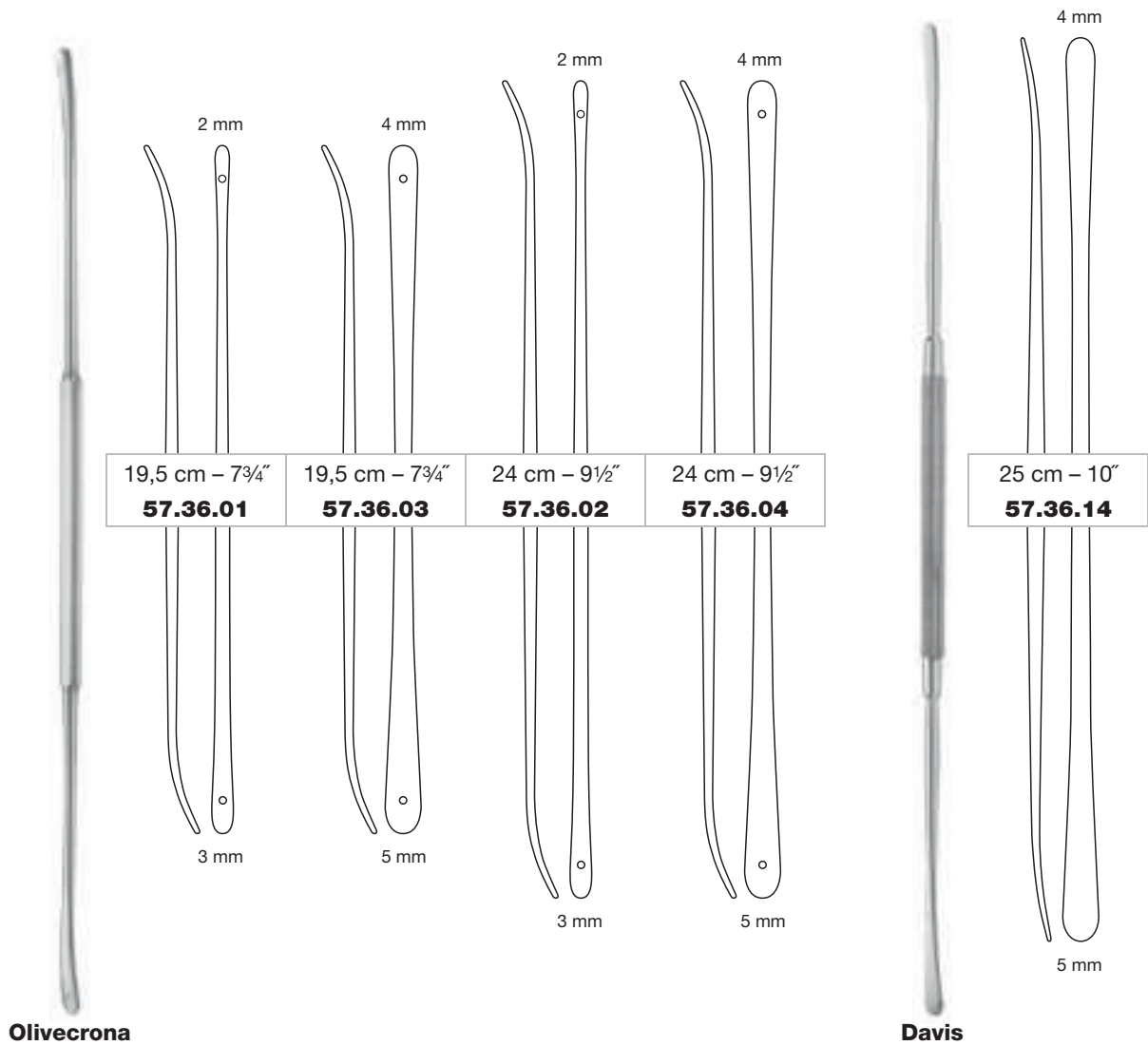
**Haken**  
**Hooks**  
**Ganchos**  
**Crochets**  
**Uncini**

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

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



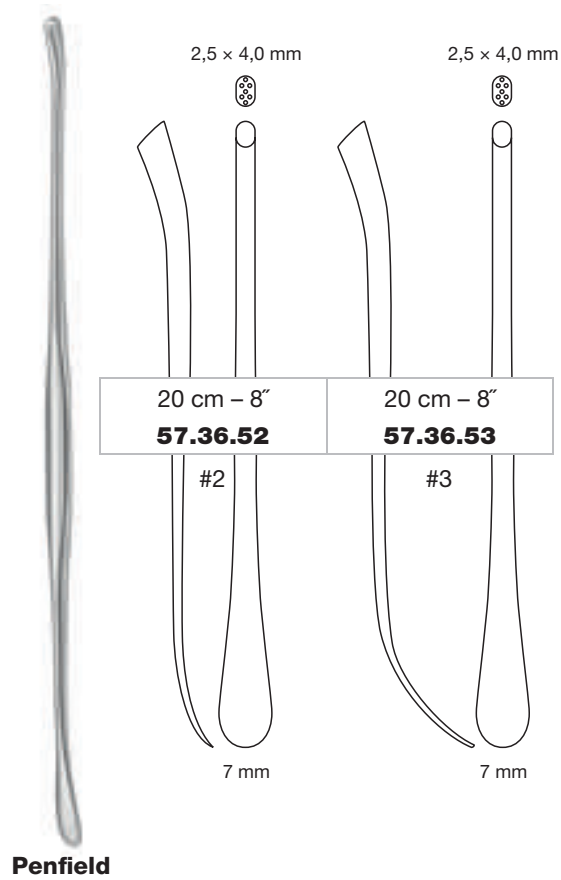
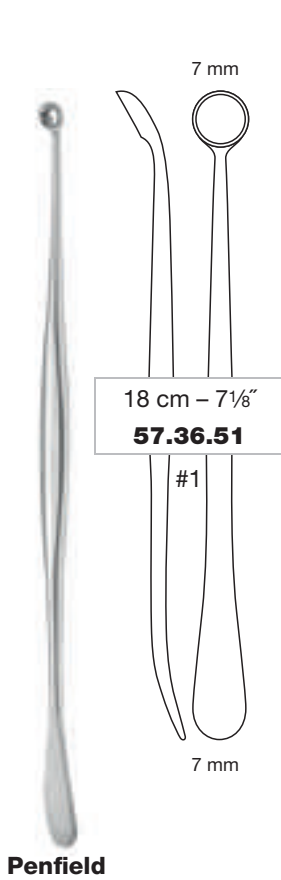
Dura-Dissektoren  
Dura dissectors  
Disectores para duramadre  
Dissecteurs pour dure-mère  
Dissettori per dura-madre





**B05**

**Dissektoren  
Dissectors  
Disectores  
Dissecteurs  
Dissettori**

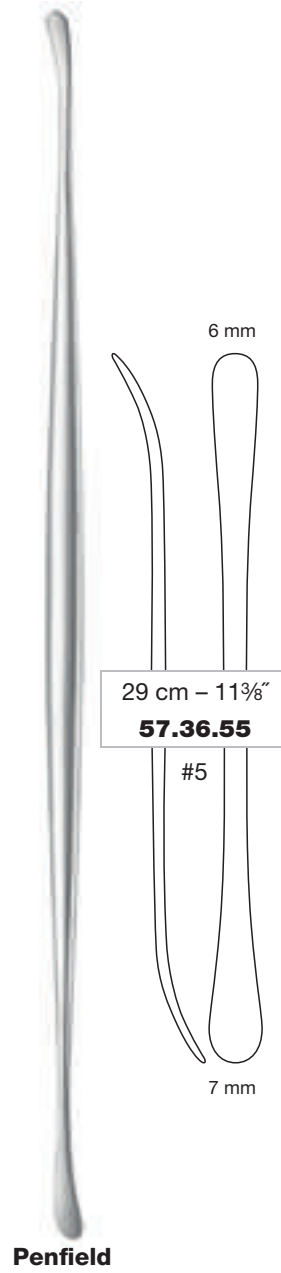
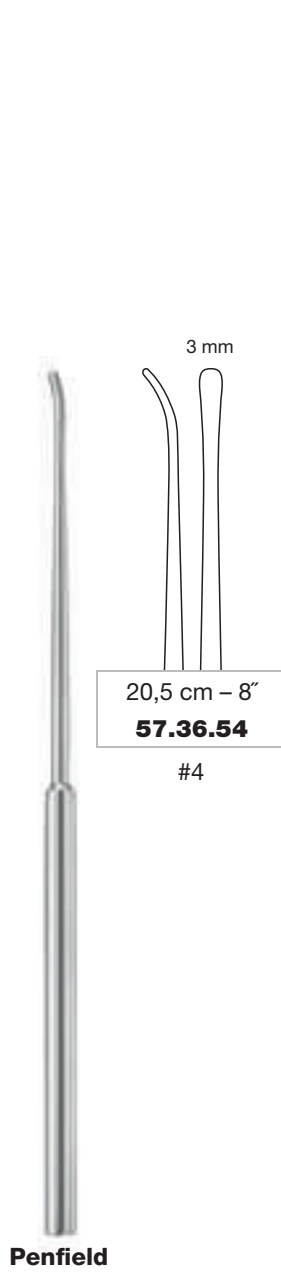






**Dissektoren**  
**Dissectors**  
**Disectores**  
**Dissecteurs**  
**Dissettori**

**B05**



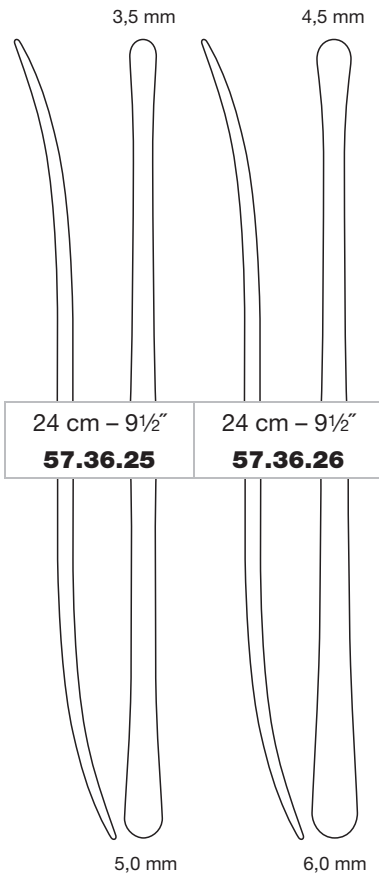


**B05**

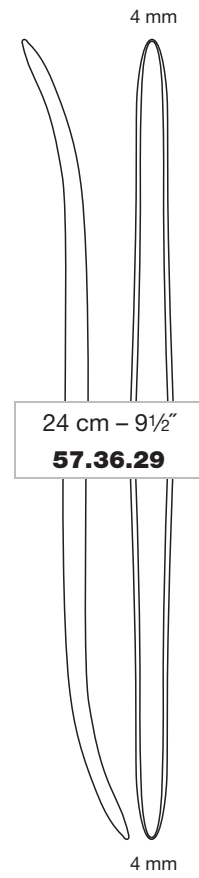
**Dissektoren  
Dissectors  
Disectores  
Dissecteurs  
Dissettori**

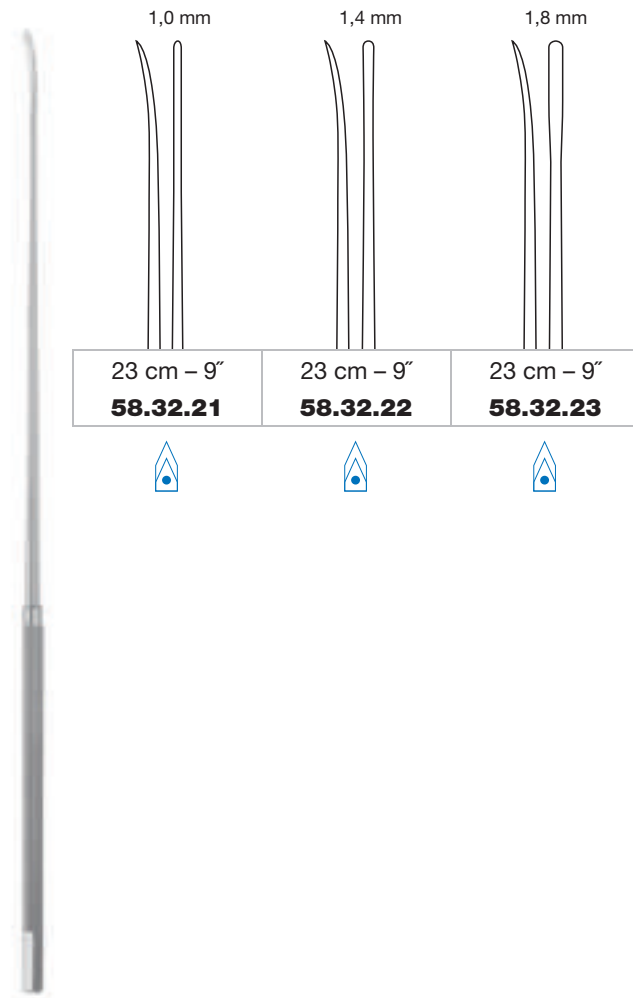
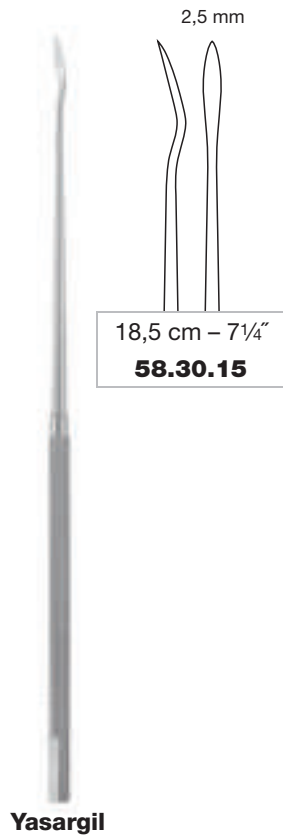


**Toennis**



**Toennis**







**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**

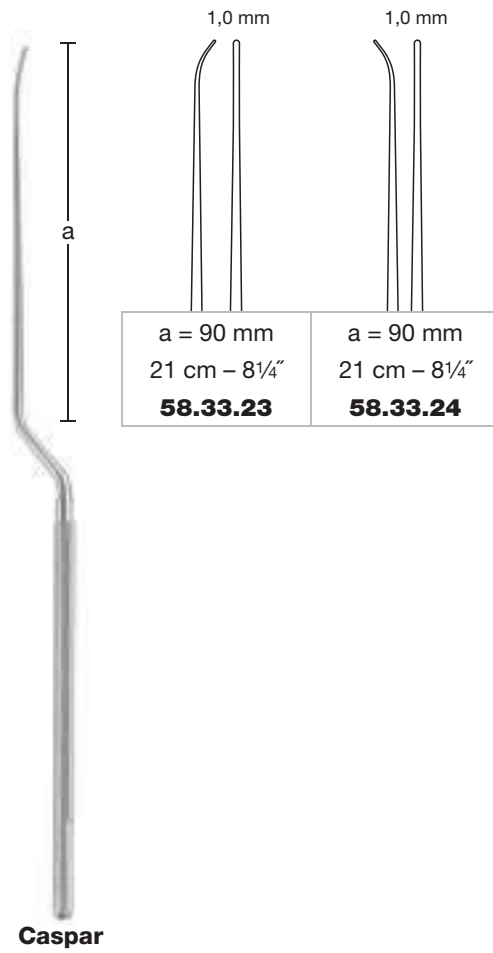
**Rhoton**

2,8 mm



19 cm - 7½"  
**58.32.61**

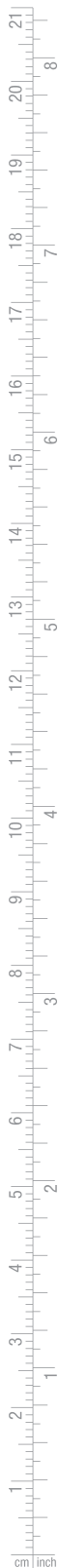
**Rhoton**





**Dissektoren  
Dissectors  
Disectores  
Dissecteurs  
Dissettori**

**B05**



**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



21,5 cm - 8½"  
**58.36.03**

3,0 mm



18,5 cm - 7¼"  
**58.36.02**



**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 ◀



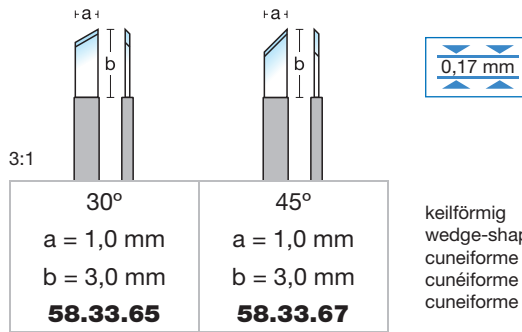
Bajonettverschluss zum Ein- und Ausfahren des Diamantmessers  
 Bayonet lock for flexion and extension of the diamond knife  
 Cierre en forma bayoneta para inserir y extraer el cuchillo de diamante  
 Verrouillage en forme baïonnette pour rentrer et sortir le couteau diamant  
 Chiusura a forma di baionetta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

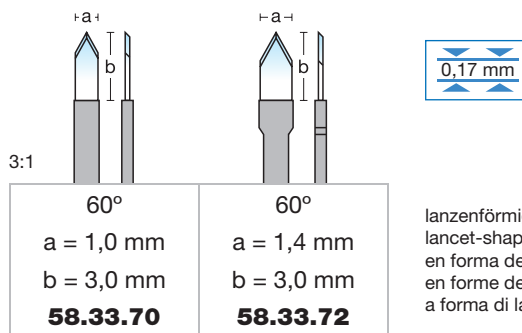


mit Spülbohrungen  
 with irrigation holes  
 con orificios de irrigación  
 avec trous de lavage  
 con fori di lavaggio



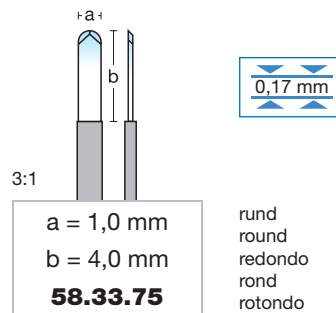
0,17 mm

keilförmig  
 wedge-shaped  
 cuneiforme  
 cunéiforme  
 cuneiforme



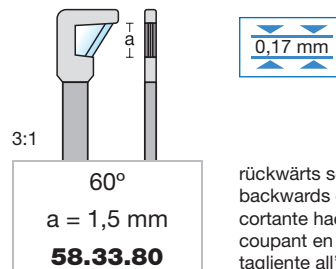
0,17 mm

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



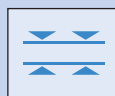
0,17 mm

rund  
 round  
 redondo  
 rond  
 rotondo



0,17 mm

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

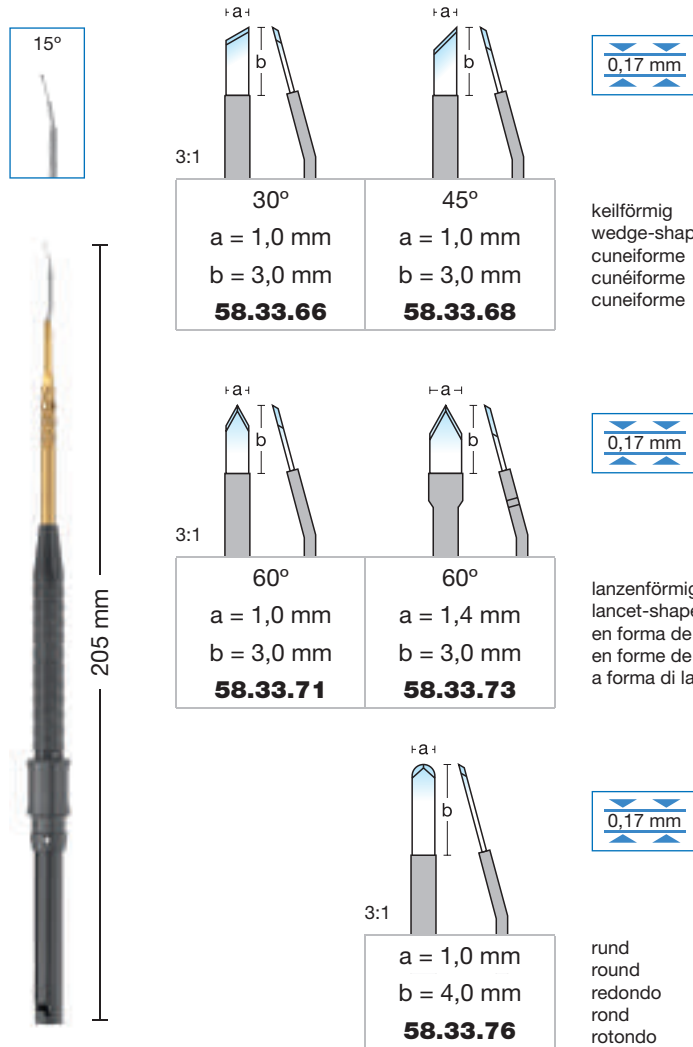


Messerdicke  
 Thickness of knives  
 Grosor de los cuchillos  
 Epaisseur de la lame  
 Spessore dei bisturi



**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

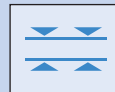


**49.90.04**

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

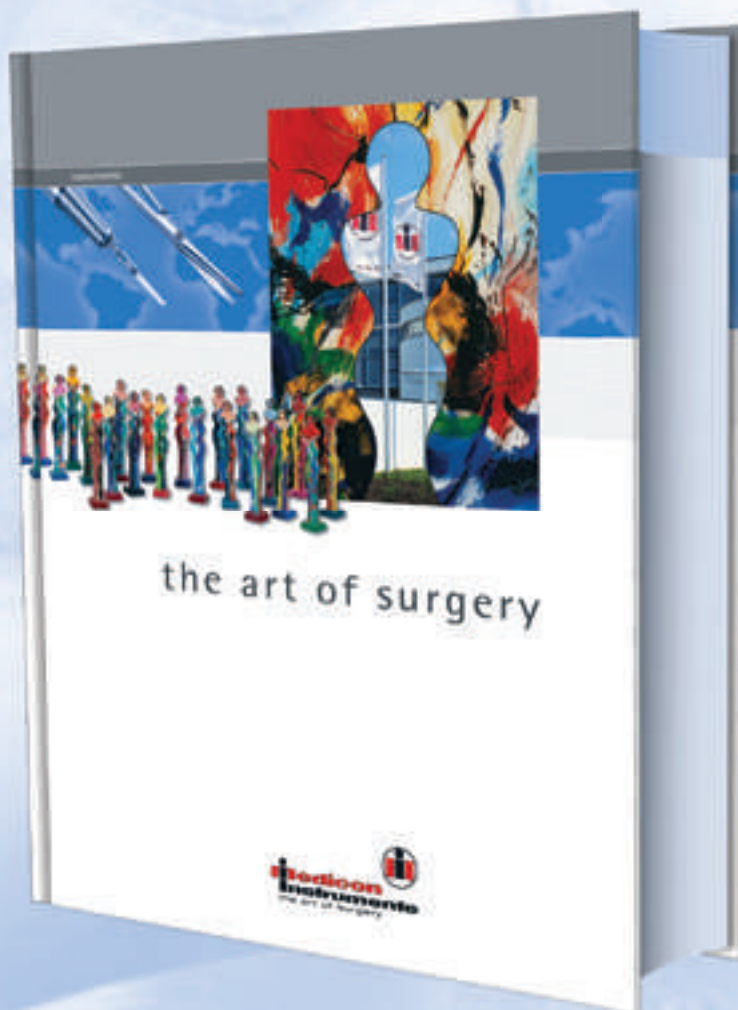
Weitere MEDICON-Produkte finden Sie in unserem Hauptkatalog.

You will find further MEDICON products in our main catalogue.

Más productos de MEDICON se encuentra en nuestro catálogo general.

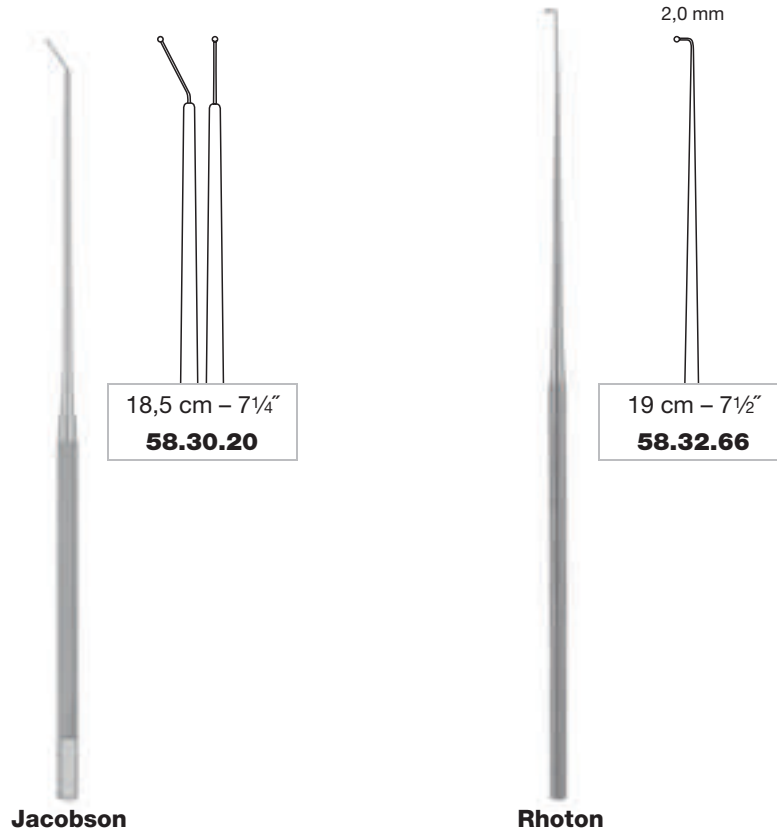
Vous trouverez d'autres produits MEDICON dans notre catalogue général.

Altri prodotti MEDICON si trovano nel nostro catalogo generale.

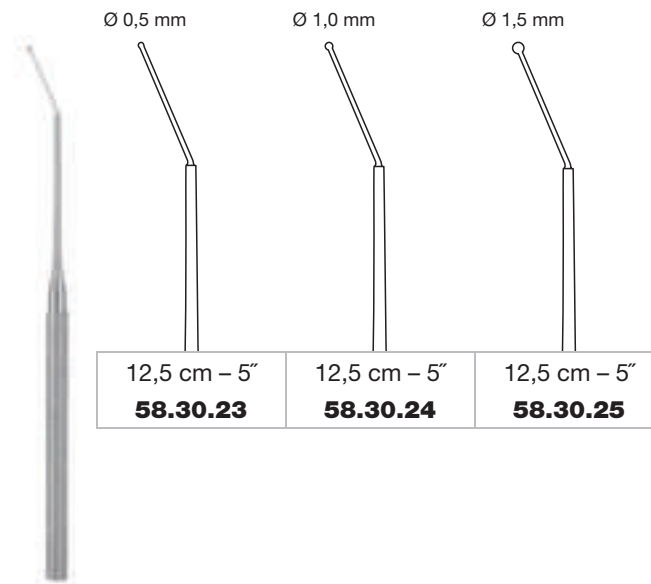


**450.00.03**

Knopfsonden  
 Button probes  
 Sondas abotonadas  
 Sondes boutonnées  
 Sonde bottonute



Gefäßdilatoren  
 Vessel dilators  
 Dilatadores vasculares  
 Dilatateurs vasculaires  
 Dilatatori vascolari



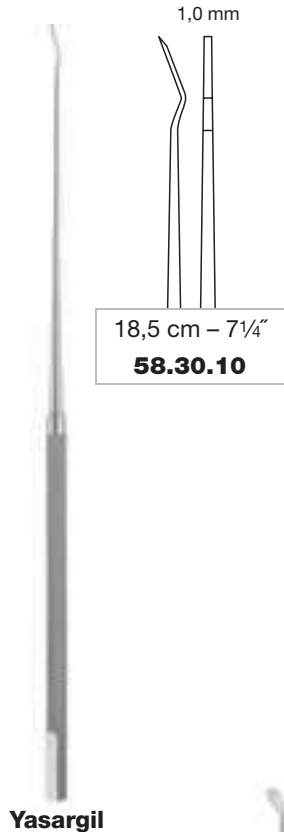


# B06

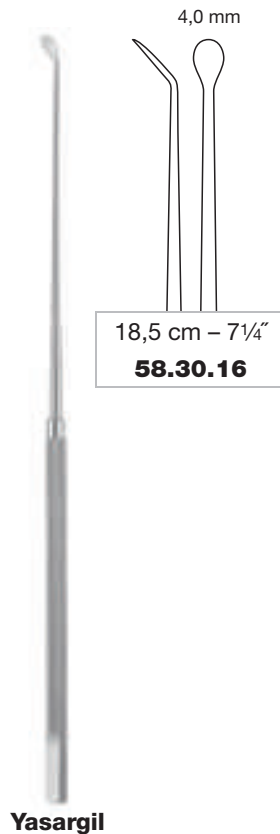
**Mikro-Instrumente**  
**Micro Instruments**  
**Micro instrumentos**  
**Micro instruments**  
**Micro strumenti**



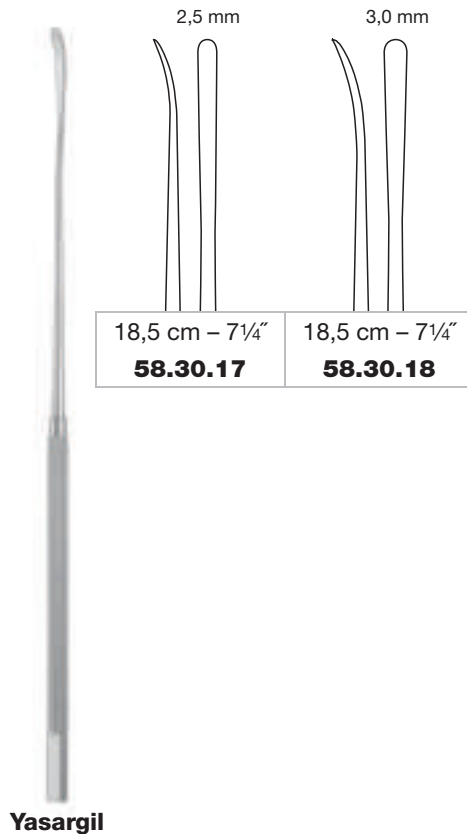
Raspatorien  
 Raspatories  
 Legras  
 Rugines  
 Periostotomi



**Yasargil**



**Yasargil**



**Yasargil**

Raspatorien  
 Raspatories  
 Legras  
 Rugines  
 Periostotomi



**Rhoton**

Ø 1,0 mm



19 cm – 7½"

**58.32.54**

Ø 2,0 mm



19 cm – 7½"

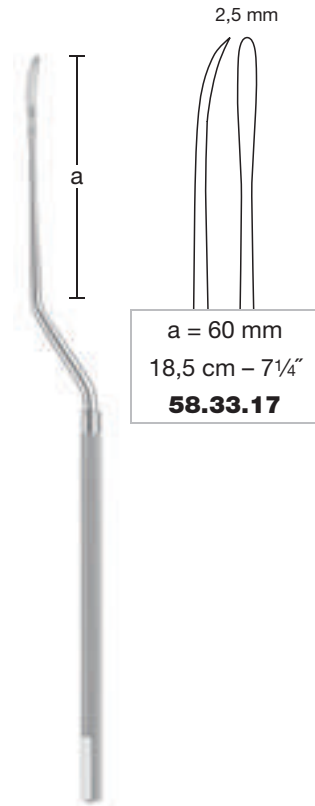
**58.32.55**

Ø 3,0 mm



19 cm – 7½"

**58.32.56**



**Yasargil**

2,5 mm

a

a = 60 mm

18,5 cm – 7¼"

**58.33.17**



# B06

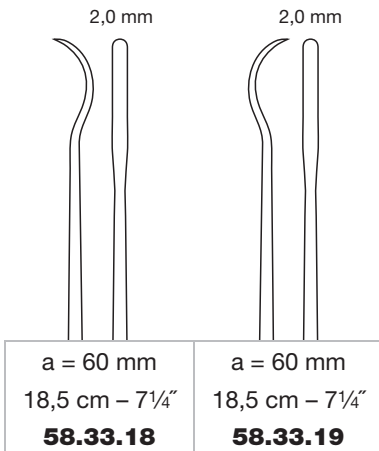
**Mikro-Instrumente**  
**Micro Instruments**  
**Micro instrumentos**  
**Micro instruments**  
**Micro strumenti**

Raspatorien  
 Raspatories  
 Legras  
 Rugines  
 Periostotomi

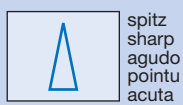
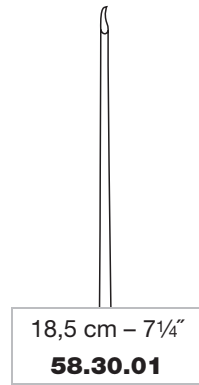
Gefäßmesser  
 Vessel knife  
 Cuchillo para vaso  
 Couteau pour vaisseaux  
 Coltello per vasi



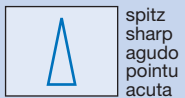
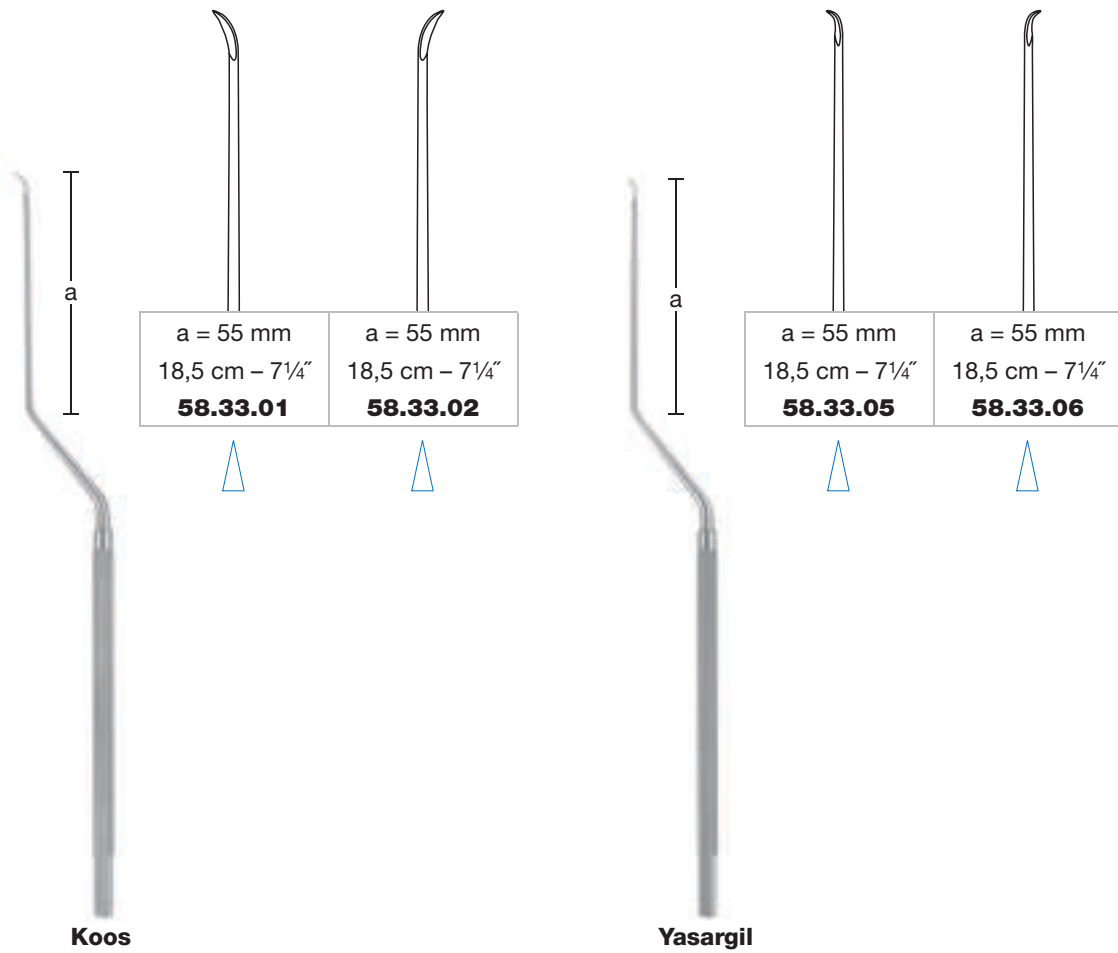
**Yasargil**



**Jacobson**



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

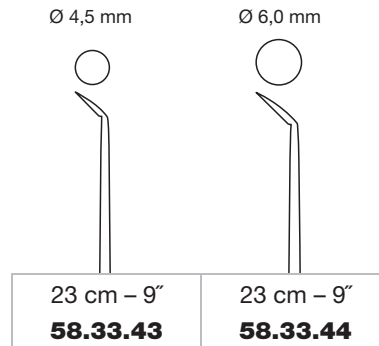
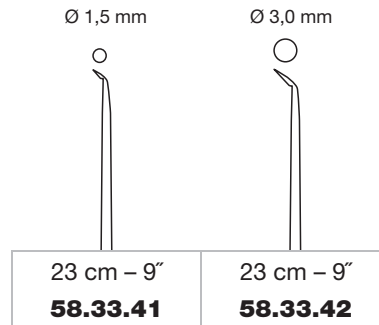
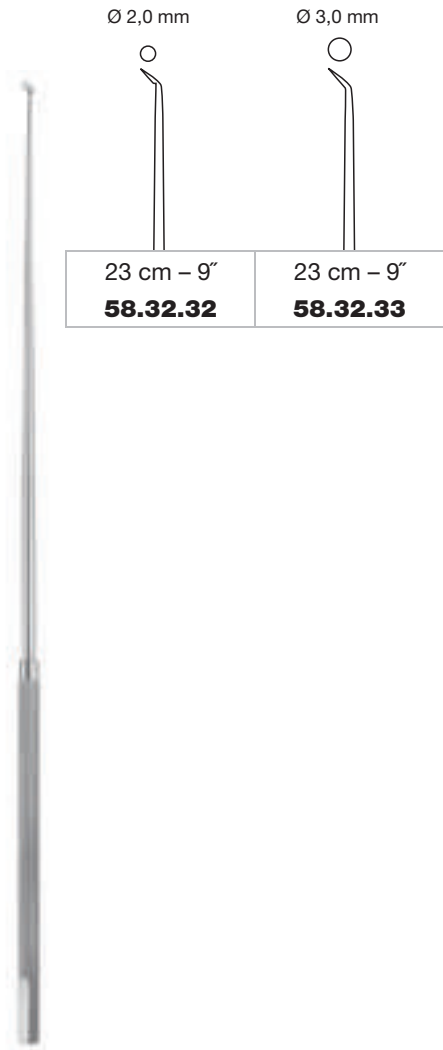




# B06

**Mikro-Instrumente**  
**Micro Instruments**  
**Micro instrumentos**  
**Micro instruments**  
**Micro strumenti**

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

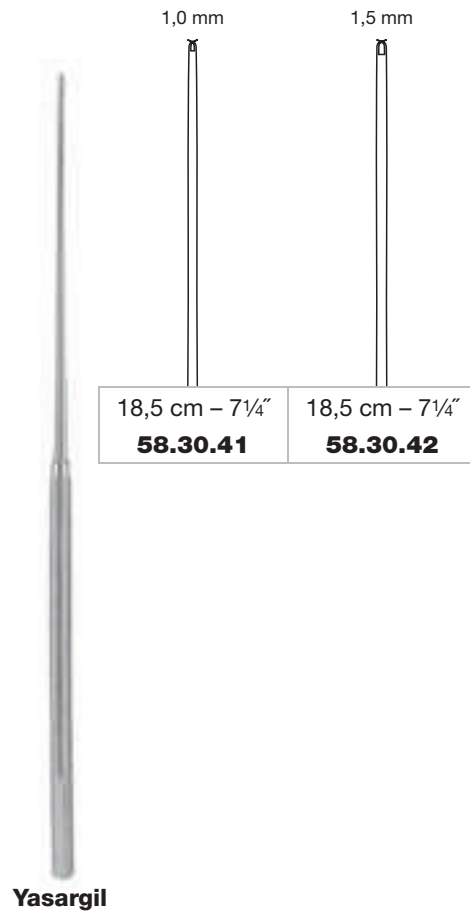
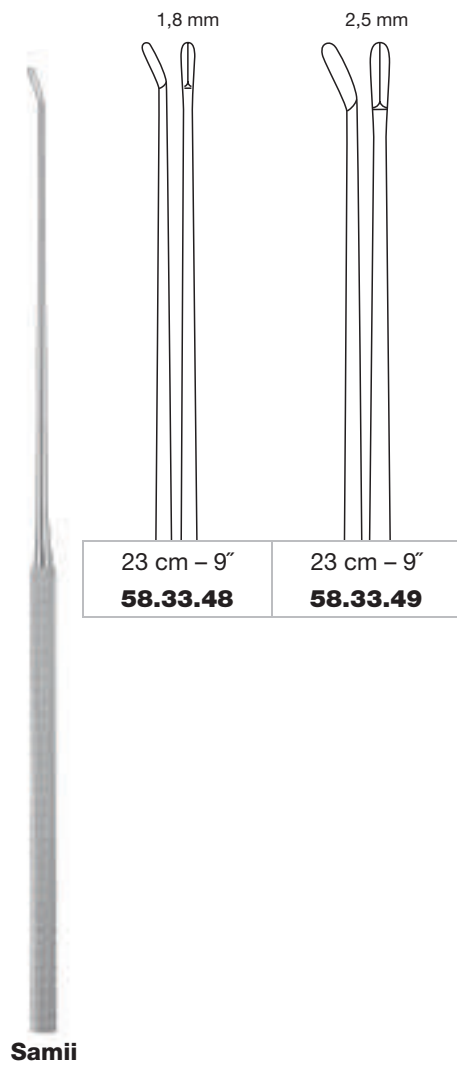


**Samii**



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

Gewebekrallen  
 Tissue claws  
 Garras para tejido  
 Griffes tissulaires  
 Artigli per tessuti



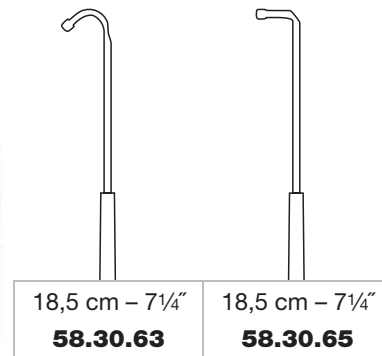
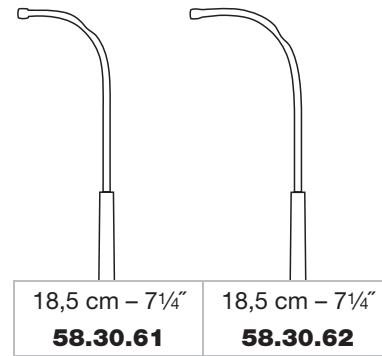
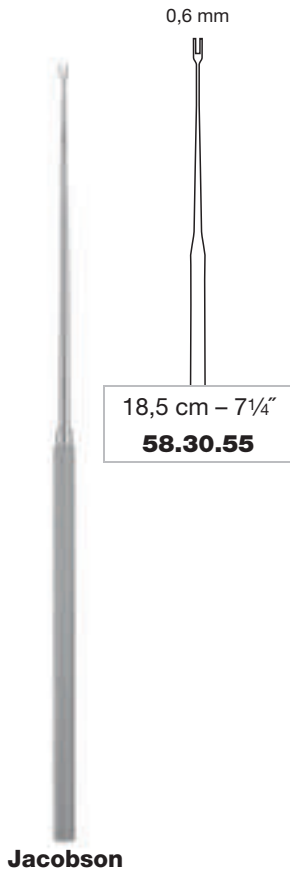
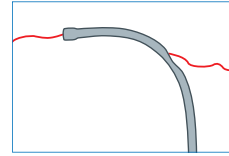


# B06

**Mikro-Instrumente**  
**Micro Instruments**  
**Micro instrumentos**  
**Micro instruments**  
**Micro strumenti**

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

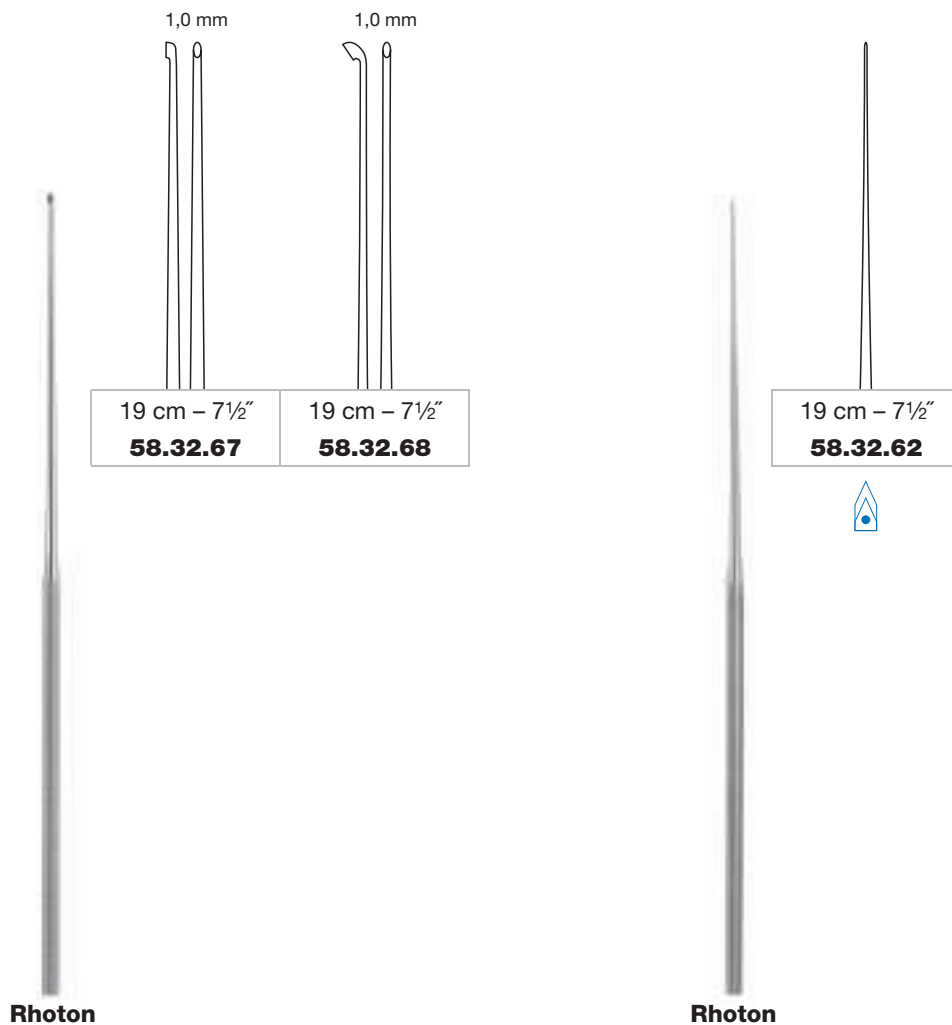
Fadenführer  
 Ligature guides  
 Guía-ligadura  
 Guide-fils  
 Passafilo



**Yasargil**

Scharfe Löffel  
 Sharp curettes  
 Cucharillas cortantes  
 Curettes tranchantes  
 Cucchiari taglienti

Nadel  
 Needle  
 Aguja  
 Aiguille  
 Ago



halbscharf  
 semi sharp  
 semi cortante  
 semi tranchant  
 semi acuta

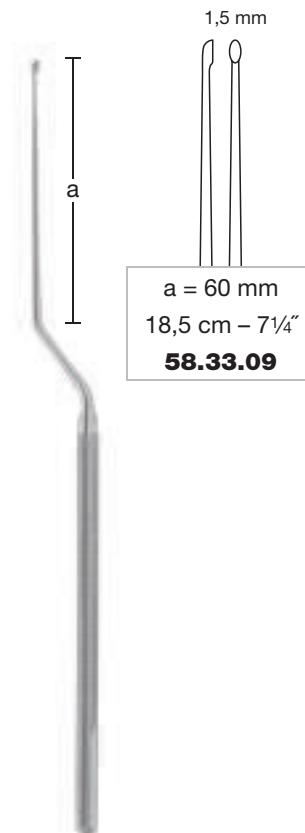
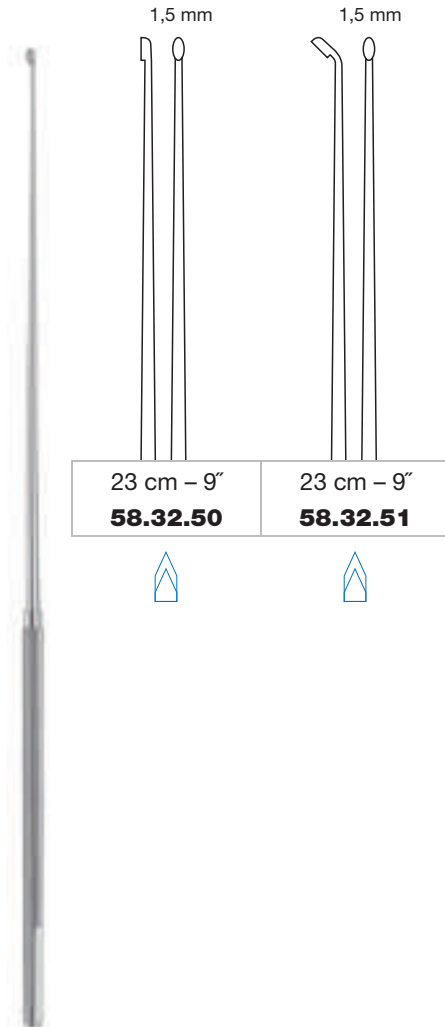


# B06

**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



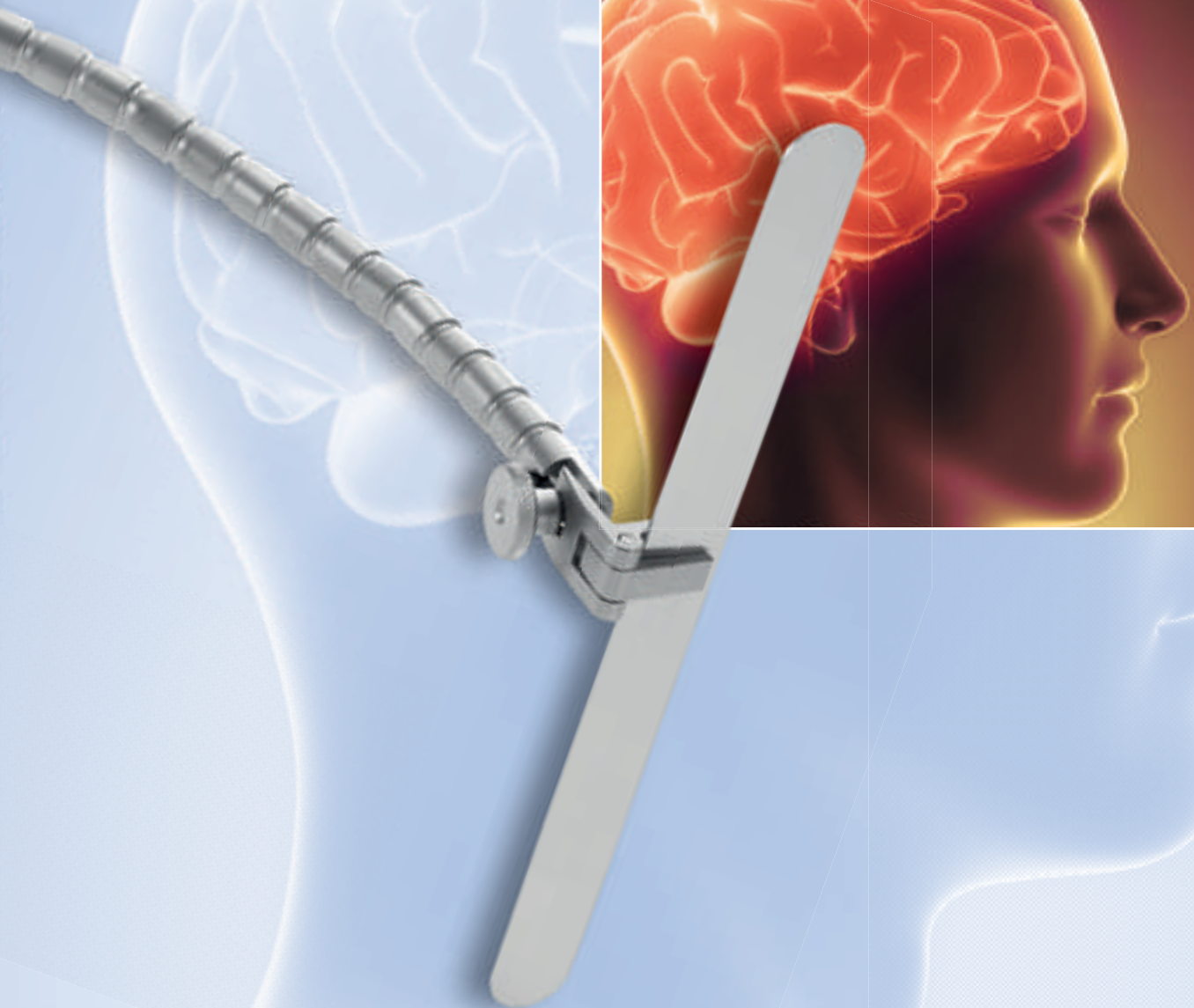
scharf  
 sharp  
 cortante  
 tranchant  
 acuta



**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  
5  
2  
4  
3  
1  
2  
1  
cm inch

**Davis**

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



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



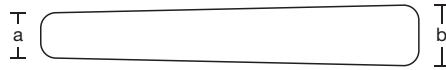
15,5 cm - 6 1/8"	<b>57.33.08</b>	b = 8 mm
15,5 cm - 6 1/8"	<b>57.33.11</b>	b = 11 mm
15,5 cm - 6 1/8"	<b>57.33.14</b>	b = 14 mm
15,5 cm - 6 1/8"	<b>57.33.17</b>	b = 17 mm

**Mod. Aachen**

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



biegbar  
malleable  
maleables  
malléables  
malleabili



**Olivecrona**

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



**Olivecrona**

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



**Olivecrona**

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

<b>57.59.01</b>			
Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:		<b>57.59.10</b> Flexibler Spannarm Flexible tension arm Brazo tensor flexible Bras tendeur flexible Braccio tenditore flessibile	1x
		<b>57.59.21</b> 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
		<b>57.59.30</b> 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**

<b>57.59.02</b>	
Satz bestehend aus: Set consisting of: Juego compuesto por: Jeu composé de: Set composto da:	 Leyla <b>57.59.10</b> Flexibler Spannarm Flexible tension arm Brazo tensor flexible Bras tendeur flexible Braccio tenditore flessibile 1x
	 Riechert <b>57.59.22</b> 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 <b>57.59.30</b> 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



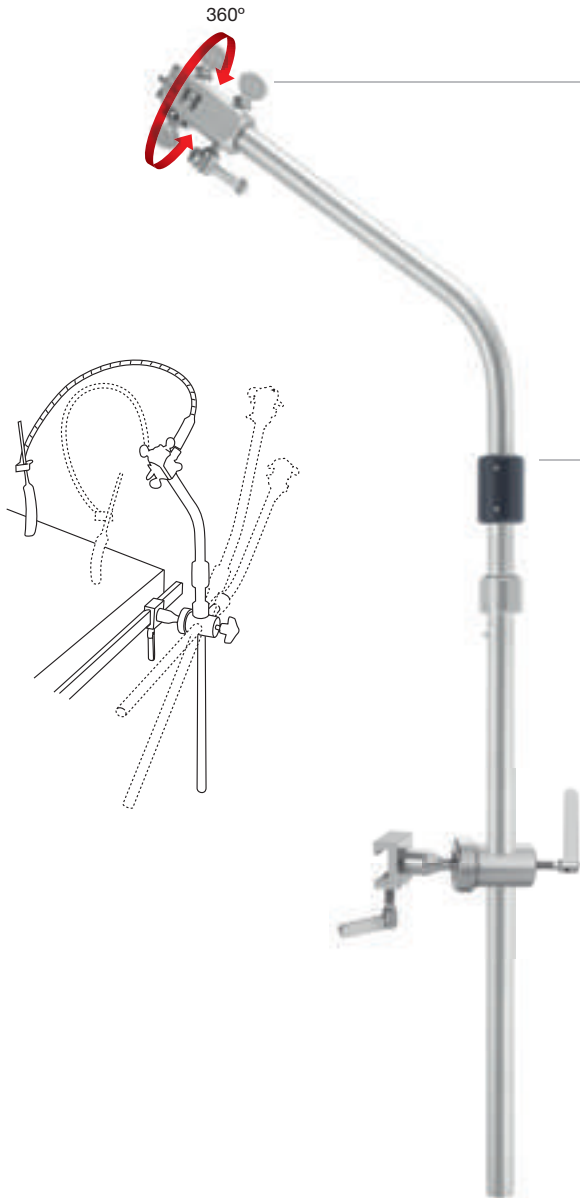
Auch geeignet für Instrumente mit Rundgriff  
 Also suitable for instruments with round handle  
 Recomendado también para instrumentos con mangos redondos  
 Convientent aussi pour instruments à manche rond  
 Anche adatto per strumenti con manico rotondo



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**

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

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

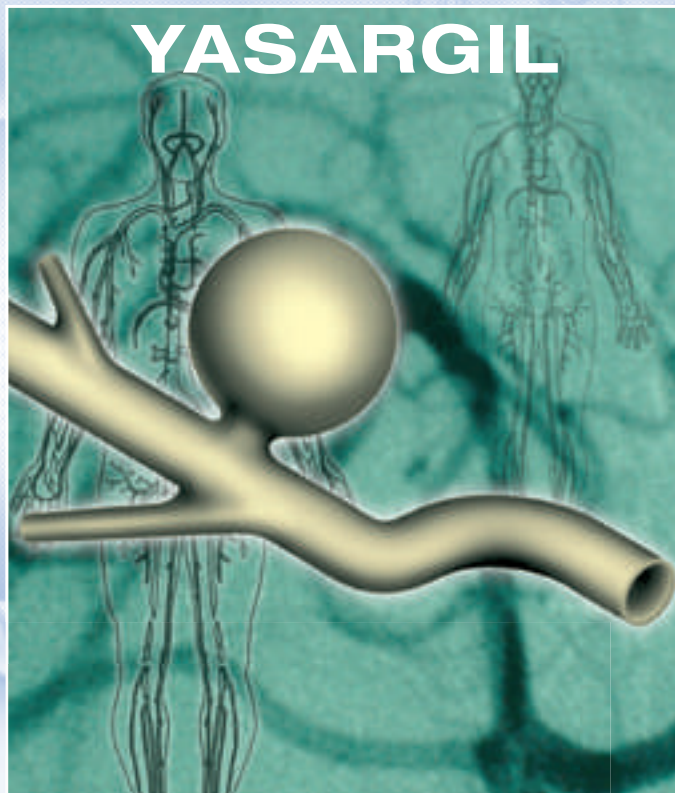
Die Farbliche Kennzeichnung ermöglicht eine gute Identifikation der permanenten und temporären Clips. Die Clips sind aus TITAN oder PHYNOX hergestellt und besitzen eine MRT-Kompatibilität bis zu einer Feldstärke von 3 Tesla.

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**

<b>STANDARD</b>			permanent permanent permanente permanent permanente
	<b>TITANIUM</b>	<b>PHYNOX</b>	
			temporär temporary temporal temporaire temporaneo

<b>STANDARD</b> gefenstert fenestrated fenestrado fenêtré fenestrato			permanent permanent permanente permanent permanente
	<b>TITANIUM</b>	<b>PHYNOX</b>	
			temporär temporary temporal temporaire temporaneo

<b>MINI</b>			permanent permanent permanente permanent permanente
	<b>TITANIUM</b>	<b>PHYNOX</b>	
			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**

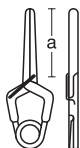
**Zerebrovaskuläre Clips  
Cerebrovascular Clips  
Clips cerebrovascolari  
Clips vasculaires cérébraux  
Clip cerebrovascolari**

**B08**





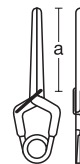
a = 7 mm

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





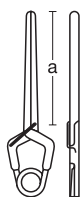
a = 9 mm

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





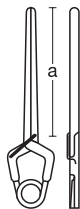
a = 11 mm

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





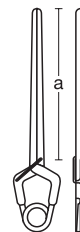
a = 15 mm

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





a = 17 mm

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





a = 20 mm

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





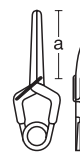
a = 25 mm

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





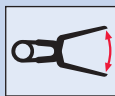
a = 7 mm

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



a = 9 mm

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



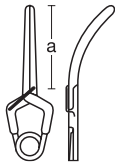
Öffnungsweite  
Opening width  
Abertura de ancho  
Largeur d'ouverture  
Larghezza dell'apertura









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

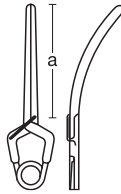
**B08**

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







**YASARGIL****STANDARD**

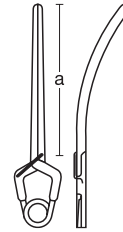
a = 11 mm

TITANIUM		PHYNOX	
 7,5 mm		 7,5 mm	
permanent 	F = 180 g	permanent 	F = 180 g
<b>58.61.12</b>		<b>58.55.12</b>	
temporary 	F = 90 g	temporary 	F = 90 g
<b>58.61.64</b>		<b>58.55.64</b>	









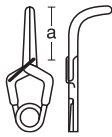
a = 15 mm

TITANIUM		PHYNOX	
 8,7 mm		 8,7 mm	
permanent 	F = 200 g	permanent 	F = 200 g
<b>58.61.16</b>		<b>58.55.16</b>	
temporary 	F = 110 g	temporary 	F = 110 g
<b>58.61.66</b>		<b>58.55.66</b>	









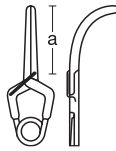
a = 20 mm

TITANIUM		PHYNOX	
 11,0 mm		 11,0 mm	
permanent 	F = 200 g	permanent 	F = 200 g
<b>58.61.20</b>		<b>58.55.20</b>	
temporary 	F = 90 g	temporary 	F = 90 g
<b>58.61.71</b>		<b>58.55.71</b>	









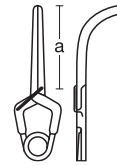
a = 7 mm

TITANIUM		PHYNOX	
 5,5 mm		 5,5 mm	
permanent 	F = 110 g	permanent 	F = 110 g
<b>58.61.28</b>		<b>58.55.28</b>	
temporary 	F = 150 g	temporary 	F = 150 g
<b>58.61.72</b>		<b>58.55.72</b>	









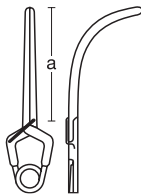
a = 9 mm

TITANIUM		PHYNOX	
 6,1 mm		 6,1 mm	
permanent 	F = 180 g	permanent 	F = 180 g
<b>58.61.30</b>		<b>58.55.30</b>	
temporary 	F = 110 g	temporary 	F = 110 g
<b>58.61.80</b>		<b>58.55.80</b>	









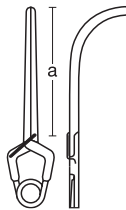
a = 11 mm

TITANIUM		PHYNOX	
 6,5 mm		 6,5 mm	
permanent 	F = 180 g	permanent 	F = 180 g
<b>58.61.32</b>		<b>58.55.32</b>	
temporary 	F = 110 g	temporary 	F = 110 g
<b>58.61.81</b>		<b>58.55.81</b>	









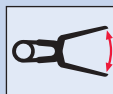
a = 15 mm

TITANIUM		PHYNOX	
 7,4 mm		 7,4 mm	
permanent 	F = 110 g	permanent 	F = 110 g
<b>58.61.36</b>		<b>58.55.36</b>	
temporary 	F = 200 g	temporary 	F = 200 g
<b>58.61.86</b>		<b>58.55.86</b>	



a = 17 mm

TITANIUM		PHYNOX	
 9,9 mm		 9,9 mm	
permanent 	F = 200 g	permanent 	F = 110 g
<b>58.61.17</b>		<b>58.55.17</b>	
temporary 	F = 90 g	temporary 	F = 90 g
<b>58.61.91</b>		<b>58.55.91</b>	



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



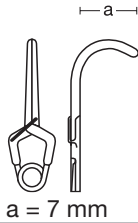
**YASARGIL**





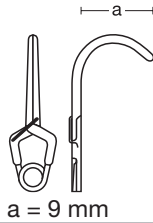
**STANDARD**



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

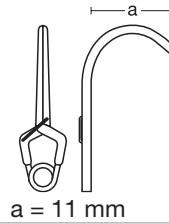
**B08**





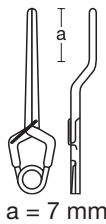
TITANIUM		PHYNOX	
 5,4 mm		 5,4 mm	
permanent	F = 180 g <b>58.61.37</b>	permanent	F = 180 g <b>58.55.37</b>
temporary	F = 110 g <b>58.61.92</b>	temporary	F = 110 g <b>58.55.92</b>





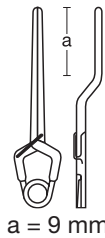
TITANIUM		PHYNOX	
 5,8 mm		 5,8 mm	
permanent	F = 180 g <b>58.61.38</b>	permanent	F = 180 g <b>58.55.38</b>
temporary	F = 110 g <b>58.61.94</b>	temporary	F = 110 g <b>58.55.94</b>





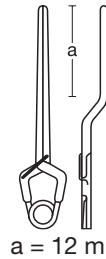
TITANIUM		PHYNOX	
 6,2 mm		 6,2 mm	
permanent	F = 180 g <b>58.61.39</b>	permanent	F = 180 g <b>58.55.39</b>
temporary	F = 110 g <b>58.61.95</b>	temporary	F = 110 g <b>58.55.95</b>





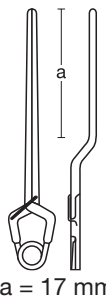
TITANIUM		PHYNOX	
 7,9 mm		 7,9 mm	
permanent	F = 200 g <b>58.61.43</b>	permanent	F = 200 g <b>58.55.43</b>
temporary	F = 90 g <b>58.63.06</b>	temporary	F = 90 g <b>58.59.06</b>





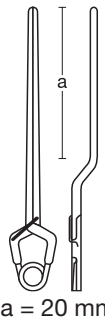
TITANIUM		PHYNOX	
 8,7 mm		 8,7 mm	
permanent	F = 200 g <b>58.61.45</b>	permanent	F = 200 g <b>58.55.45</b>
temporary	F = 90 g <b>58.63.09</b>	temporary	F = 90 g <b>58.59.09</b>





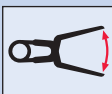
TITANIUM		PHYNOX	
 10,2 mm		 10,2 mm	
permanent	F = 200 g <b>58.61.44</b>	permanent	F = 200 g <b>58.55.44</b>
temporary	F = 90 g <b>58.63.12</b>	temporary	F = 90 g <b>58.59.12</b>



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



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



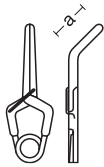
Öffnungsweite  
Opening width  
Abertura de ancho  
Largeur d'ouverture  
Larghezza dell'apertura









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

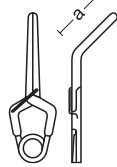
**B08**

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







**YASARGIL****STANDARD**

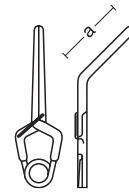
a = 5 mm

TITANIUM		PHYNIX	
 6,2 mm		 6,2 mm	
permanent 	F = 200 g <b>58.61.50</b>	permanent 	F = 200 g <b>58.55.50</b>
temporary 	F = 110 g <b>58.61.85</b>	temporary 	F = 110 g <b>58.59.85</b>









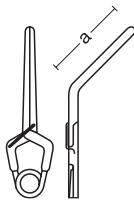
a = 7 mm

TITANIUM		PHYNIX	
 6,5 mm		 6,5 mm	
permanent 	F = 200 g <b>58.61.51</b>	permanent 	F = 200 g <b>58.55.51</b>
temporary 	F = 110 g <b>58.61.87</b>	temporary 	F = 110 g <b>58.55.87</b>









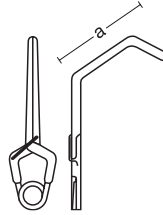
a = 9 mm

TITANIUM		PHYNIX	
 7,8 mm		 7,8 mm	
permanent 	F = 110 g <b>58.61.48</b>	permanent 	F = 110 g <b>58.55.48</b>
temporary 	F = 200 g <b>58.61.89</b>	temporary 	F = 200 g <b>58.55.89</b>









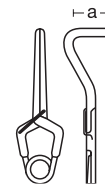
a = 11 mm

TITANIUM		PHYNIX	
 8,4 mm		 8,4 mm	
permanent 	F = 200 g <b>58.61.52</b>	permanent 	F = 200 g <b>58.55.52</b>
temporary 	F = 110 g <b>58.61.90</b>	temporary 	F = 110 g <b>58.55.90</b>









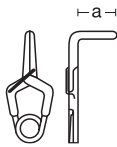
a = 13 mm

TITANIUM		PHYNIX	
 7,5 mm		 7,5 mm	
permanent 	F = 200 g <b>58.61.96</b>	permanent 	F = 200 g <b>58.55.96</b>
temporary 	F = 90 g <b>58.61.93</b>	temporary 	F = 90 g <b>58.55.93</b>









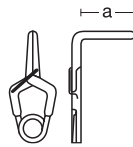
a = 5 mm

TITANIUM		PHYNIX	
 7,2 mm		 7,2 mm	
permanent 	F = 200 g <b>58.61.65</b>	permanent 	F = 200 g <b>58.55.65</b>
temporary 	F = 90 g <b>58.65.25</b>	temporary 	F = 90 g <b>58.63.25</b>









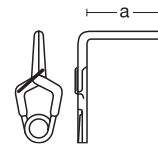
a = 5 mm

TITANIUM		PHYNIX	
 5,6 mm		 5,6 mm	
permanent 	F = 200 g <b>58.61.55</b>	permanent 	F = 200 g <b>58.55.55</b>
temporary 	F = 130 g <b>58.65.05</b>	temporary 	F = 130 g <b>58.63.05</b>









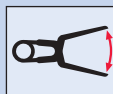
a = 7 mm

TITANIUM		PHYNIX	
 5,6 mm		 5,6 mm	
permanent 	F = 200 g <b>58.61.49</b>	permanent 	F = 200 g <b>58.55.49</b>
temporary 	F = 130 g <b>58.65.07</b>	temporary 	F = 130 g <b>58.63.07</b>



a = 10 mm

TITANIUM		PHYNIX	
 5,6 mm		 5,6 mm	
permanent 	F = 200 g <b>58.61.57</b>	permanent 	F = 200 g <b>58.55.57</b>
temporary 	F = 130 g <b>58.65.10</b>	temporary 	F = 130 g <b>58.63.10</b>



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

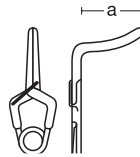
**F**

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

**YASARGIL  
STANDARD**

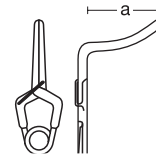
**Zerebrovaskuläre Clips  
Cerebrovascular Clips  
Clips cerebrovasculari  
Clips vasculaires cérébraux  
Clip cerebrovascolari**

**B08**



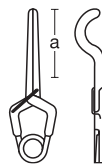
a = 8 mm

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



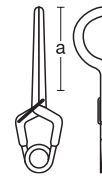
a = 10 mm

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



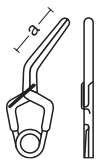
a = 9 mm

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



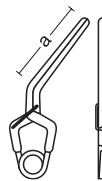
a = 11 mm

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



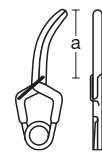
a = 7 mm

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



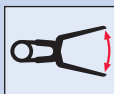
a = 11 mm

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



a = 9 mm

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



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



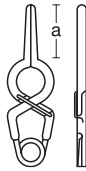
Schließkraft  
Closing pressure  
Fuerza de cierre  
Force de fermeture  
Forza di chiusura

**B08**







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

gefenstert  
fenestrated  
fenestrado  
fenêtré  
fenestrato

**YASARGIL**  
**3,5 mm**  
**STANDARD**









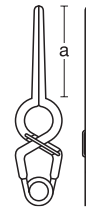
a = 7 mm

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









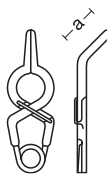
a = 9 mm

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









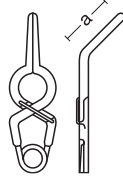
a = 12 mm

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









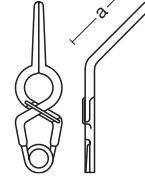
a = 5 mm

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









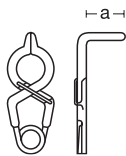
a = 7 mm

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









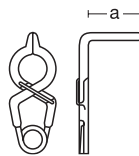
a = 11 mm

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









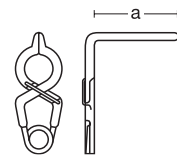
a = 5 mm

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









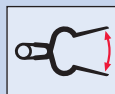
a = 7 mm

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

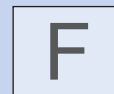


a = 11 mm

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



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



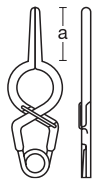
Schließkraft  
Closing pressure  
Fuerza de cierre  
Force de fermeture  
Forza di chiusura

**YASARGIL**  
**5,0 mm**  
**STANDARD**

gefenstert  
fenestrado  
fenêtré  
fenestrato

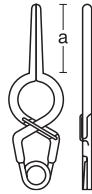
**Zerebrovaskuläre Clips**  
**Cerebrovascular Clips**  
**Clips cerebrovascular**  
**Clips vasculaires cérébraux**  
**Clip cerebrovascolari**

**B08**



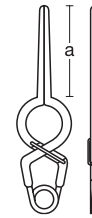
a = 7 mm

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



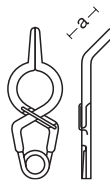
a = 9 mm

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



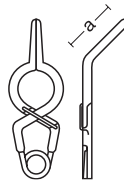
a = 12 mm

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



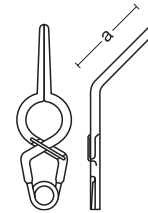
a = 5 mm

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



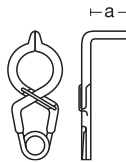
a = 7 mm

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



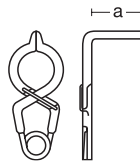
a = 11 mm

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



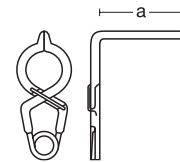
a = 5 mm

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



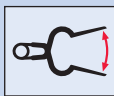
a = 7 mm

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



a = 11 mm

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



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



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

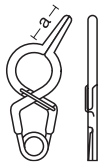


**Zerebrovaskuläre Clips**  
**Cerebrovascular Clips**  
**Clips cerebrovascular**  
**Clips vasculaires cérébraux**  
**Clip cerebrovascolari**

gefenstert  
fenestrated  
fenestrado  
fenêtré  
fenestrato

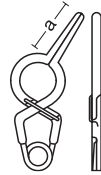
**YASARGIL**  
**5,0 mm**  
**STANDARD**

**B08**



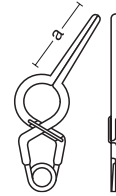
a = 5 mm

TITANIUM		PHYNOX	
7,0 mm		7,0 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.81</b>		<b>58.53.81</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.25</b>		<b>58.41.25</b>



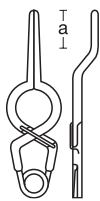
a = 7 mm

TITANIUM		PHYNOX	
7,8 mm		7,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.82</b>		<b>58.53.82</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.27</b>		<b>58.41.27</b>



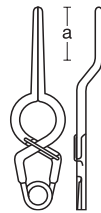
a = 10 mm

TITANIUM		PHYNOX	
8,8 mm		8,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.83</b>		<b>58.53.83</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.30</b>		<b>58.41.30</b>



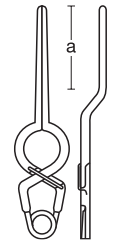
a = 5 mm

TITANIUM		PHYNOX	
7,9 mm		7,9 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.69</b>		<b>58.53.69</b>
temporary	F = 90 g	temporary	F = 90 g
	<b>58.64.65</b>		<b>58.58.65</b>



a = 7 mm

TITANIUM		PHYNOX	
8,8 mm		8,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.70</b>		<b>58.53.70</b>
temporary	F = 90 g	temporary	F = 90 g
	<b>58.64.67</b>		<b>58.58.67</b>



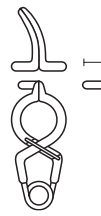
a = 11 mm

TITANIUM		PHYNOX	
10,0 mm		10,0 mm	
permanent	F = 180 g	permanent	F = 180 g
	<b>58.59.71</b>		<b>58.53.71</b>
temporary	F = 90 g	temporary	F = 90 g
	<b>58.64.71</b>		<b>58.58.71</b>



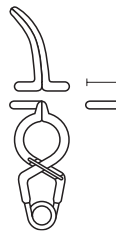
a = 5 mm

TITANIUM		PHYNOX	
5,8 mm		5,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.74</b>		<b>58.53.74</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.05</b>		<b>58.41.05</b>



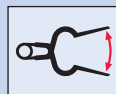
a = 7 mm

TITANIUM		PHYNOX	
5,8 mm		5,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.75</b>		<b>58.53.75</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.07</b>		<b>58.41.07</b>

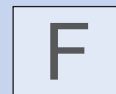


a = 11 mm

TITANIUM		PHYNOX	
5,8 mm		5,8 mm	
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.76</b>		<b>58.53.76</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.10</b>		<b>58.41.10</b>



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

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

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

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

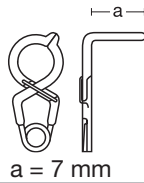
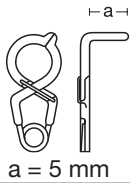


Zerebrovaskuläre Clips  
Cerebrovascular Clips  
Clips cerebrovascular  
Clips vasculaires cérébraux  
Clip cerebrovascolari

gefenstert  
fenestrated  
fenestrado  
fenêtré  
fenestrato

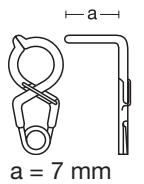
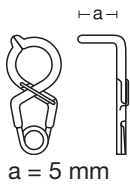
**YASARGIL**  
**5,0 mm**  
**STANDARD**

**B08**



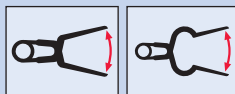
TITANIUM		PHYNOX	
	5,6 mm		5,6 mm
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.91</b>		<b>58.53.91</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.55</b>		<b>58.41.55</b>

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

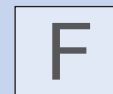


TITANIUM		PHYNOX	
	5,6 mm		5,6 mm
permanent	F = 150 g	permanent	F = 150 g
	<b>58.59.93</b>		<b>58.53.93</b>
temporary	F = 110 g	temporary	F = 110 g
	<b>58.47.65</b>		<b>58.41.65</b>

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



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**

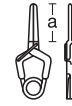
**Zerebrovaskuläre Clips  
Cerebrovascular Clips  
Clips cerebrovascolari  
Clips vasculaires cérébraux  
Clip cerebrovascolari**

**B08**



a = 3 mm

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



a = 5 mm

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



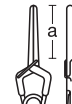
a = 3 mm

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



a = 5 mm

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



a = 7 mm

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



a = 3 mm

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



a = 4 mm

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



a = 4 mm

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



a = 4 mm

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



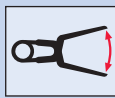
a = 5 mm

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



a = 7 mm

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



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



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

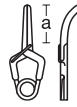
**B08**

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

**YASARGIL****MINI**

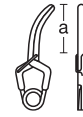
a = 4 mm

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



a = 5 mm

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



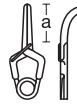
a = 6 mm

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



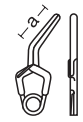
a = 4 mm

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



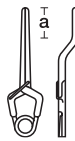
a = 5 mm

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



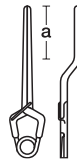
a = 5 mm

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



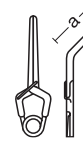
a = 4 mm

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



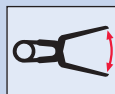
a = 7 mm

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



a = 7 mm

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



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

**F**

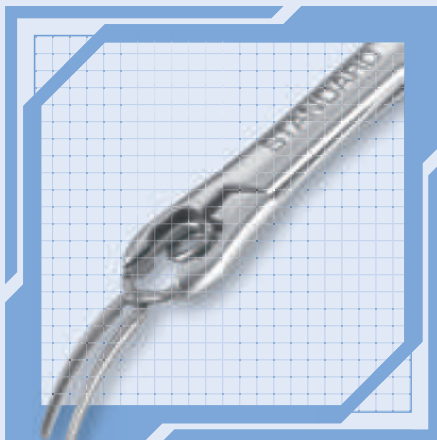
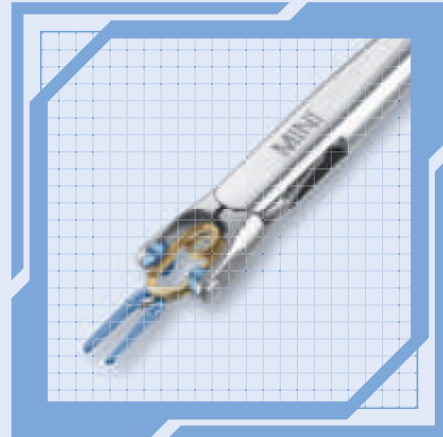
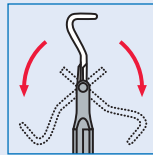
Schließkraft  
Closing pressure  
Fuerza de cierre  
Force de fermeture  
Forza di chiusura

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

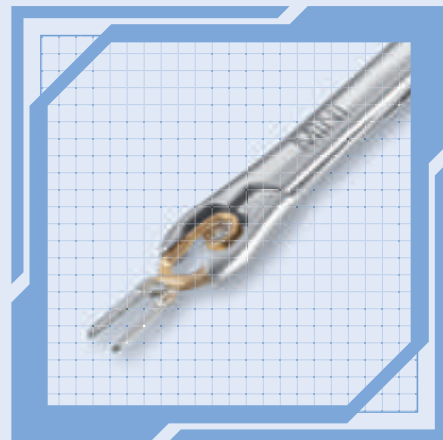
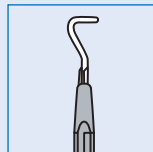
**B08**



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

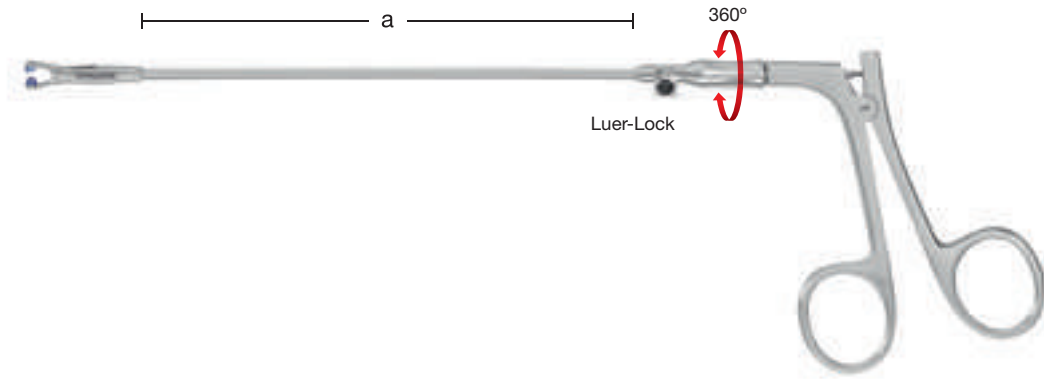


TITANIUM	<b>58.60.45</b>
PHYNOX	<b>58.60.46</b>

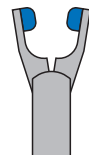
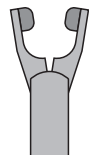
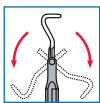
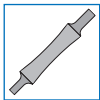


**Anlegezangen**  
**Applying Forceps**  
**Pinzas para aplicar**  
**Pinces à appliquer**  
**Pinze per applicare**

**B08**



**Yasargil**

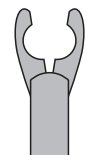
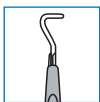


**PHYNOX**

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

**TITANIUM**

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

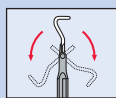


**PHYNOX**

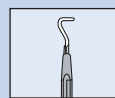
a = 7 cm – 2¾"	<b>58.32.91</b>
a = 9 cm – 3½"	<b>58.32.92</b>
a = 11 cm – 4¾"	<b>58.32.93</b>
a = 13 cm – 5½"	<b>58.32.94</b>

**TITANIUM**

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

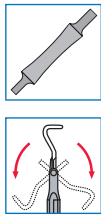
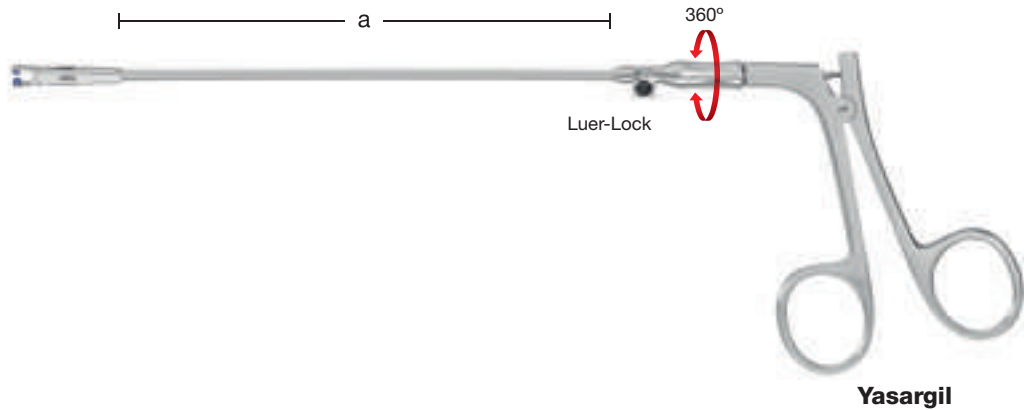


Maul mit drehbarer Clip-Aufnahme  
Rotatable jaw for clip application  
Boca con acogida giratoria para clips  
Mors avec prise pivotante pour clips  
Morso da presa girevole per clip



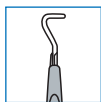
Maul mit starrer Clip-Aufnahme  
Rigid jaw for clip application  
Boca con acogida rígida para clips  
Mors avec prise rigide pour clips  
Morso da presa rigido per clip





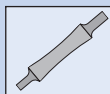
PHYNOX	
a = 7 cm – 2¾"	<b>58.34.91</b>
a = 9 cm – 3½"	<b>58.34.92</b>
a = 11 cm – 4¾"	<b>58.34.93</b>
a = 13 cm – 5½"	<b>58.34.94</b>

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



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

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



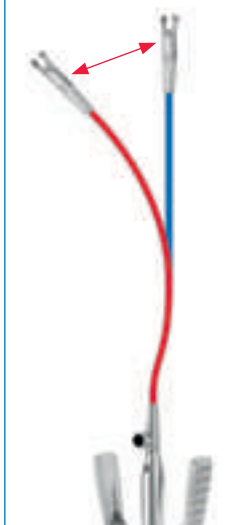
Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme (siehe Seite 221)  
Accessories for all clip applying forceps with rotatable clip application (see page 221)  
Accesorios para todas las pinzas aplicadoras con acogida giratoria (véase página 221)  
Accessoires pour toutes les pinces à appliquer 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

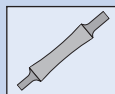
- ▶ für die individuelle Anpassung an den OP-Situs
- ▶ beim Sterilisieren wird der Schaft in die gerade Ausgangsposition zurückgeführt
- ▶ for an individual adaptation to the operating situs
- ▶ during sterilization the shaft turns back into its initial straight position
- ▶ para una adaptación individual 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

**MEMORY EFFECT**

Luer-Lock

**Yasargil**

biegbar  
malleable  
maleables  
malleables  
malleabili

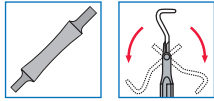


Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme (siehe Seite 221)  
 Accessories for all clip applying forceps with rotatable clip application (see page 221)  
 Accesorios para todas las pinzas aplicadoras con acogida giratoria (véase página 221)  
 Accessoires pour toutes les pincés à appliquer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



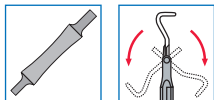
**Anlegezangen (biegsam) mit Memory-Effekt**  
**Applying Forceps (flexible) with Memory Effect**  
**Pinzas para aplicar (flexible) con efecto de memoria**  
**Pinces à appliquer (flexible) avec effet de mémoire**  
**Pinze per applicare (flessibili) con effetto di memoria**

**B08**



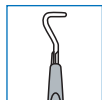
**STANDARD**

TITANIUM		PHYNOX	
a = 9 cm – 3½"	<b>58.58.01</b>	a = 9 cm – 3½"	<b>58.58.02</b>
a = 11 cm – 4¾"	<b>58.58.03</b>	a = 11 cm – 4¾"	<b>58.58.04</b>



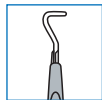
**MINI**

TITANIUM		PHYNOX	
a = 9 cm – 3½"	<b>58.60.41</b>	a = 9 cm – 3½"	<b>58.60.42</b>
a = 11 cm – 4¾"	<b>58.60.43</b>	a = 11 cm – 4¾"	<b>58.60.44</b>



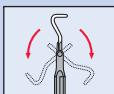
**STANDARD**

TITANIUM		PHYNOX	
a = 9 cm – 3½"	<b>58.60.31</b>	a = 9 cm – 3½"	<b>58.60.32</b>
a = 11 cm – 4¾"	<b>58.60.33</b>	a = 11 cm – 4¾"	<b>58.60.34</b>

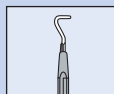


**MINI**

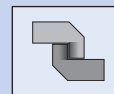
TITANIUM		PHYNOX	
a = 9 cm – 3½"	<b>58.60.51</b>	a = 9 cm – 3½"	<b>58.60.52</b>
a = 11 cm – 4¾"	<b>58.60.53</b>	a = 11 cm – 4¾"	<b>58.60.54</b>



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

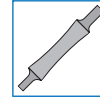
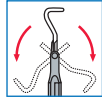


**Anlegezangen**  
**Applying Forceps**  
**Pinzas para aplicar**  
**Pinces à appliquer**  
**Pinze per applicare**

**B08**



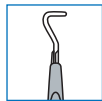
**Yasargil**



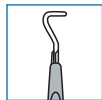
**PHYNOX**  
18 cm - 7 1/8" **58.54.36**



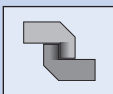
**Yasargil**



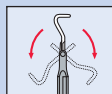
**PHYNOX**  
18 cm - 7 1/8" **58.54.96**



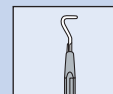
**PHYNOX**  
18 cm - 7 1/8" **58.56.96**



mit Sperre  
with catch  
con cremallera  
avec crémaillère  
con cremagliera

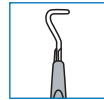


Maul mit drehbarer Clip-Aufnahme  
Rotatable jaw for clip application  
Boca con acogida giratoria para clips  
Mors avec prise pivotante pour clips  
Morso da presa girevole per clip



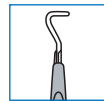
Maul mit starrer Clip-Aufnahme  
Rigid jaw for clip application  
Boca con acogida rígida para clips  
Mors avec prise rigide pour clips  
Morso da presa rigido per clip





STANDARD

PHYNOX	
17 cm – 6¾"	<b>58.54.97</b>
21 cm – 8¼"	<b>58.54.98</b>
23 cm – 9"	<b>58.54.99</b>

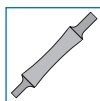


MINI

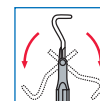
PHYNOX	
17 cm – 6¾"	<b>58.56.97</b>
21 cm – 8¼"	<b>58.56.98</b>
23 cm – 9"	<b>58.56.99</b>

Yasargil

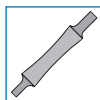
doppelt übersetzt  
double action  
doble acción  
à double articulation  
doppia articolazione



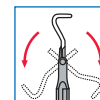
STANDARD



TITANIUM	
21 cm – 8¼"	<b>58.58.98</b>
23 cm – 9"	<b>58.58.99</b>



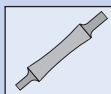
MINI



TITANIUM	
21 cm – 8¼"	<b>58.61.98</b>
23 cm – 9"	<b>58.61.99</b>



Yasargil



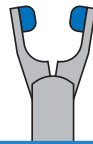
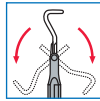
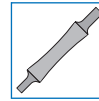
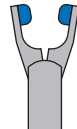
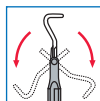
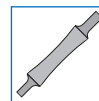
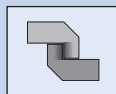
Zubehör für alle Anlegezangen mit drehbarer Clip-Aufnahme (siehe Seite 221)  
Accessories for all clip applying forceps with rotatable clip application (see page 221)  
Accesorios para todas las pinzas aplicadoras con acogida giratoria (véase página 221)  
Accessoires pour toutes les pinces à appliquer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



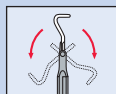
**Anlegezangen**  
**Applying Forceps**  
**Pinzas para aplicar**  
**Pinces à appliquer**  
**Pinze per applicare**

**B08**

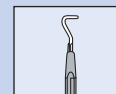
doppelt übersetzt und schwenkbar  
 double action and swivelling  
 doble acción y giratorio  
 à double articulation et pivotant  
 doppia articolazione e orientabile

**Yasargil****STANDARD****TITANIUM**21 cm – 8¼" **58.56.91**23 cm – 9" **58.56.92****MINI****TITANIUM**21 cm – 8¼" **58.59.98**23 cm – 9" **58.59.99**

mit Sperre  
 with catch  
 con cremallera  
 avec crémaillère  
 con cremagliera



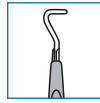
Maul mit drehbarer Clip-Aufnahme  
 Rotatable jaw for clip application  
 Boca con acogida giratoria para clips  
 Mors avec prise pivotante pour clips  
 Morso da presa girevole per clip



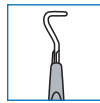
Maul mit starrer Clip-Aufnahme  
 Rigid jaw for clip application  
 Boca con acogida rígida para clips  
 Mors avec prise rigide pour clips  
 Morso da presa rigido per clip



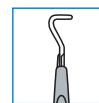
Yasargil



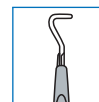
**PHYNOX**  
 21 cm – 8¼" **58.66.03**



**PHYNOX**  
 21 cm – 8¼" **58.66.00**



**TITANIUM**  
 21 cm – 8¼" **58.66.09**

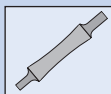


**TITANIUM**  
 21 cm – 8¼" **58.66.06**



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)

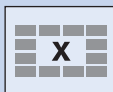
**B08**

**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 x 25,4 x 4,0 cm  **58.60.01**

**STANDARD****MINI**

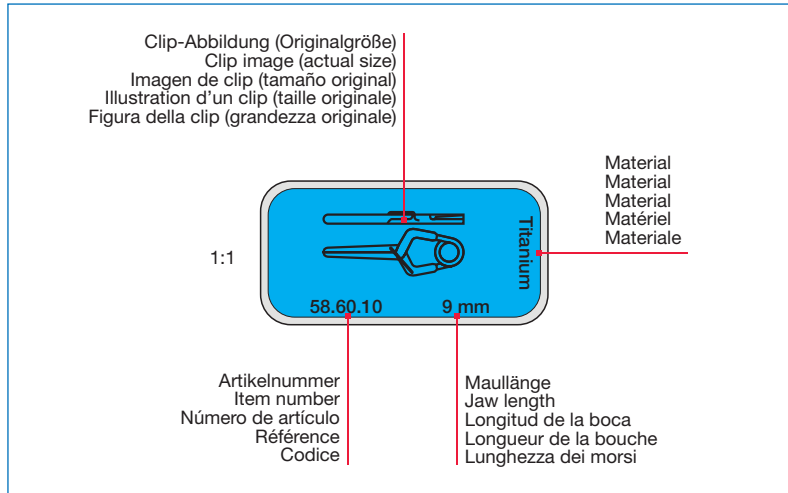
Anzahl der Fächer  
 Number of compartments  
 Número de compartimentos  
 Nombre de compartiments  
 Numero dei scompartimenti



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**



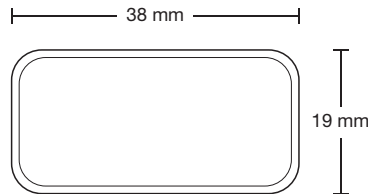
Die Beschriftung der Kennzeichnungsschilder erfolgt separat auf Bestellung!

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**

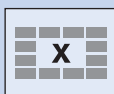
**STANDARD**  
**MINI**

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)

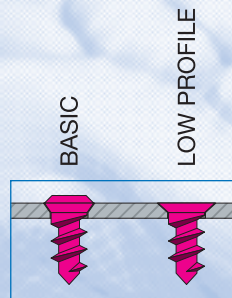
Das 1,5 mm Neuro-Fixationssystem wurde zur Fixierung von kranialen Knochen entwickelt. Das System beinhaltet die Produktlinie "BASIC" und die in Zusammenarbeit mit Dr. David L. Masel, El Paso, Texas (USA) entwickelte Produktlinie "LOW PROFILE".

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 crânién. 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.



**Neuro-Fixationssystem**  
**Neuro-Fixation System**  
**Sistema para neuro-fijación**  
**Système de neuro-fixation**  
**Sistema di neuro-fissaggio**

**B09**

**BASIC**  
**1.5 mm**

Titan-Platten  
Titanium plates  
Placas de titanio  
Plaques en titane  
Placche in titanio

<p>"I-Form" P 2</p>	<p>9 mm</p> <p>②</p> <p><b>68.87.02</b></p> <p>0,6 mm</p>	<p>12 mm</p> <p>②</p> <p><b>68.87.07</b></p> <p>0,6 mm</p>	<p>15 mm</p> <p>②</p> <p><b>68.87.03</b></p> <p>0,6 mm</p>
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<p>"I-Form" P 5</p>	<p>4,5 mm</p> <p>④</p> <p><b>68.87.14</b></p> <p>0,6 mm</p>	<p>7,5 mm</p> <p>④</p> <p><b>68.87.34</b></p> <p>0,6 mm</p>	<p>9 mm</p> <p>④</p> <p><b>68.87.44</b></p> <p>0,6 mm</p>	<p>⑥</p> <p><b>68.87.46</b></p> <p>0,6 mm</p>
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<p>"Y-Form" P 5</p>	<p>8 mm</p> <p>④</p> <p><b>68.87.70</b></p> <p>0,6 mm</p>	<p>12 mm</p> <p>④</p> <p><b>68.87.72</b></p> <p>0,6 mm</p>
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<p>"2Y-Form" P 5</p>	<p>⑥</p> <p><b>68.87.74</b></p> <p>0,6 mm</p>	<p>⑦</p> <p><b>68.87.75</b></p> <p>0,6 mm</p>	<p>"I-Form" P 2</p>	<p>⑩⑥</p> <p><b>68.87.59</b></p> <p>0,6 mm</p>
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**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** 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**

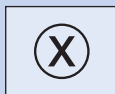
# B09

Titan-Platten  
Titanium plates  
Placas de titanio  
Plaques en titane  
Placche in titanio

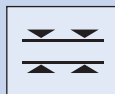
	 (4) <b>68.87.77</b> 0,6 mm			
"X-Form" 				
	 (4) <b>68.86.11</b> 0,6 mm	 (4) <b>68.86.12</b> 0,6 mm	 (6) <b>68.86.13</b> 0,6 mm	 (8) <b>68.86.14</b> 0,6 mm
"Multi Grid" 				

Bohrlochabdeckplatten  
Burr hole plates  
Placas para tapar los orificios perforados  
Plaques pour trous de forage  
Placche di copertura per fori

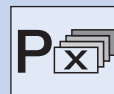
	Ø 13 mm  (5) <b>68.86.60</b> 0,4 mm	Ø 18,5 mm  (5) <b>68.86.61</b> 0,4 mm	Ø 22 mm  (6) <b>68.86.62</b> 0,4 mm	Ø 29 mm  (5) <b>68.86.63</b> 0,4 mm
"Burr Hole" 				



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



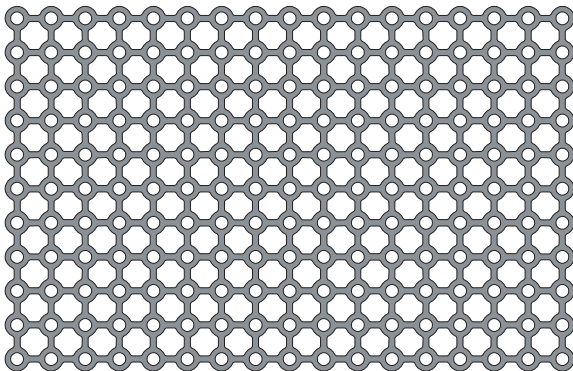
Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi

**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



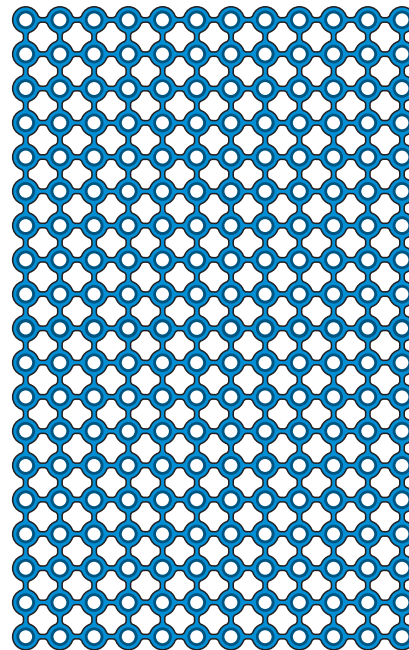
"Multi Grid Mesh"



74 x 50 mm

**68.86.88**

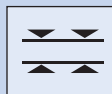
"Multi Grid Mesh"



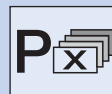
53 x 85 mm

**68.86.89**

53 x 85 mm

**68.86.90**

Plattenstärke  
 Thickness of plates  
 Grosor de las placas  
 Epaisseur des plaques  
 Spessore delle placche



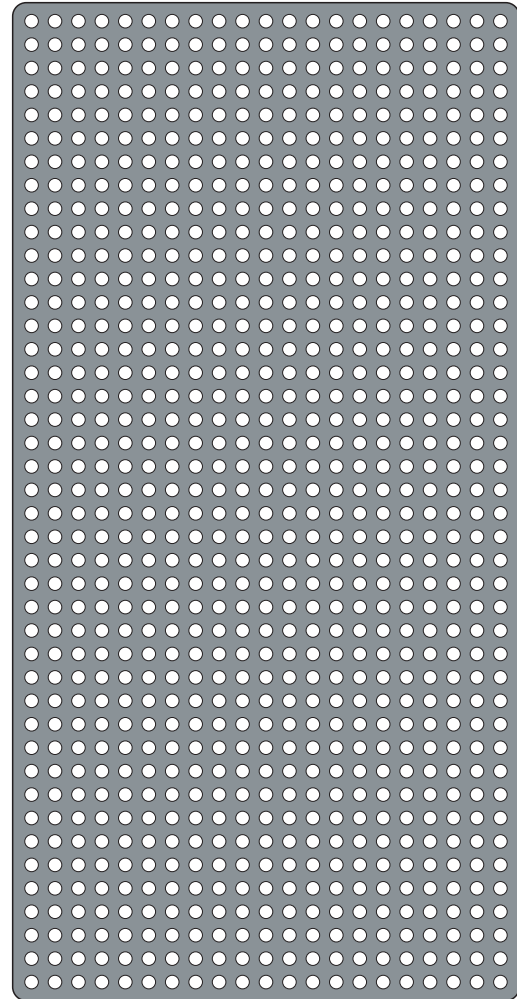
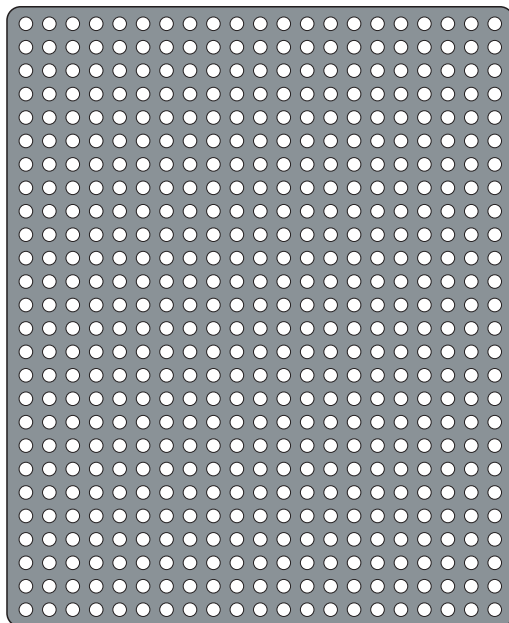
Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

**BASIC**  
**1.5 mm**

**Neuro-Fixationssystem**  
**Neuro-Fixation System**  
**Sistema para neuro-fijación**  
**Système de neuro-fixation**  
**Sistema di neuro-fissaggio**

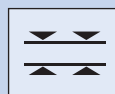
**B09**

Titan-Platten  
Titanium plates  
Placas de titanio  
Plaques en titane  
Placche in titanio

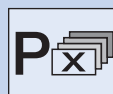


"Multi Grid Mesh"	82 × 67 mm	82 × 67 mm
	<b>68.86.91</b>	<b>68.86.92</b>

"Multi Grid Mesh"	132 × 67 mm	132 × 67 mm
	<b>68.86.93</b>	<b>68.86.94</b>



Plattenstärke  
Thickness of plates  
Grosor de las placas  
Epaisseur des plaques  
Spessore delle placche



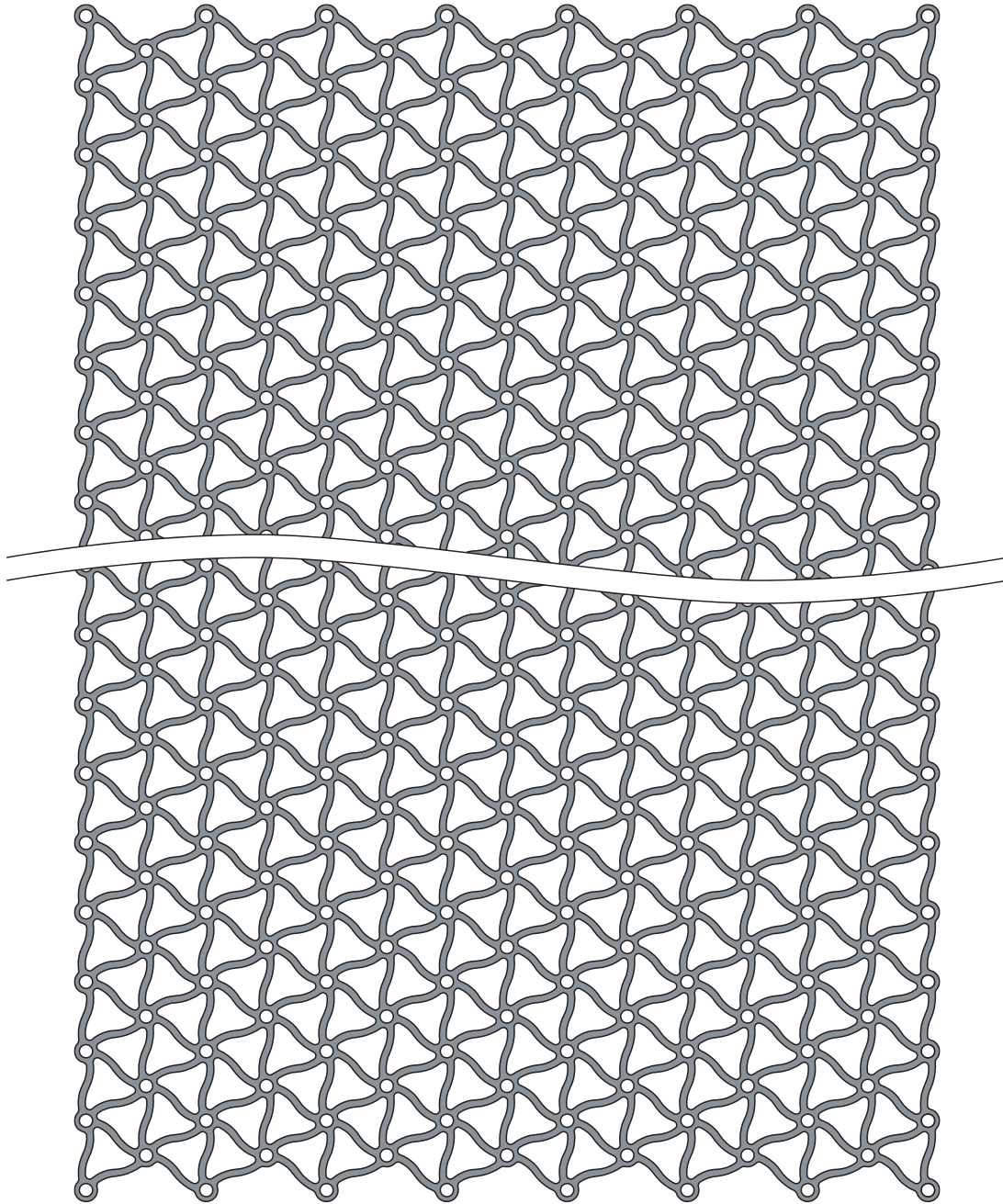
Verpackungseinheit "X" Stück  
Packing unit "X" pieces  
Paquete de "X" unidades  
Emballage de "X" pièces  
Confezione da "X" pezzi



**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
	<b>68.87.00</b>	<b>68.87.01</b>
	$\frac{0.4 \text{ mm}}{\text{---}}$	$\frac{0.6 \text{ mm}}{\text{---}}$

Plattenstärke  
 Thickness of plates  
 Grosor de las placas  
 Epaisseur des plaques  
 Spessore delle placche

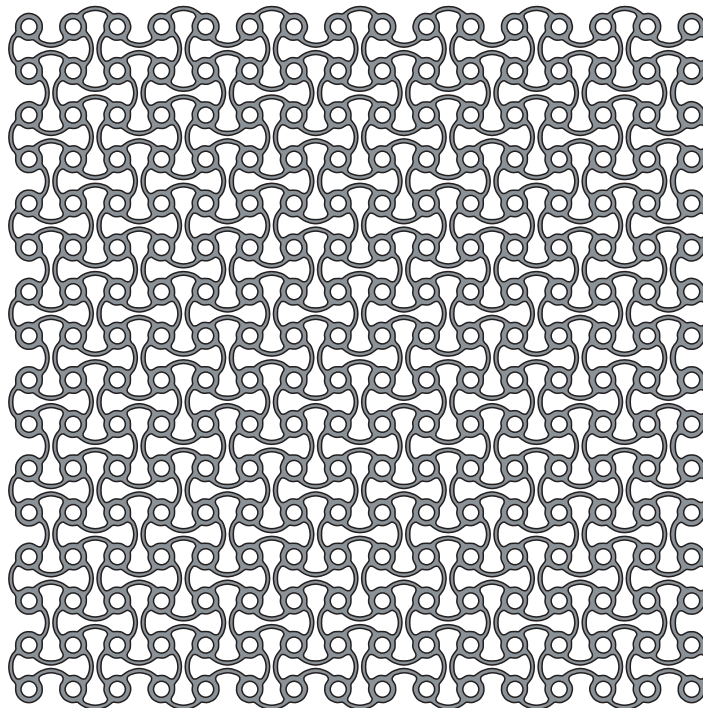
Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi

**BASIC**  
1.5 mm

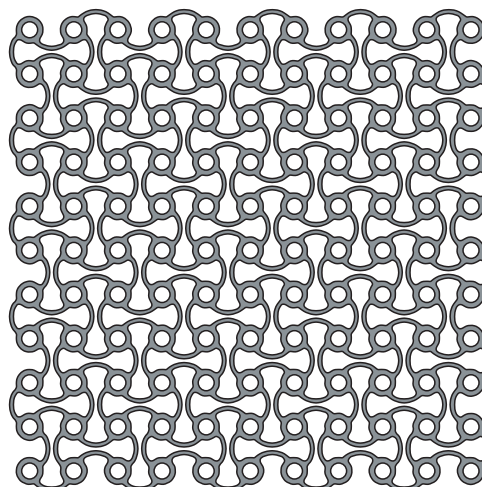
**Neuro-Fixationssystem**  
**Neuro-Fixation System**  
**Sistema para neuro-fijación**  
**Système de neuro-fixation**  
**Sistema di neuro-fissaggio**

**B09**

Titan-Platten  
Titanium plates  
Placas de titanio  
Plaques en titane  
Placche in titanio



"Mesh" 	90 × 90 mm <b>68.87.27</b>  0,4 mm	90 × 90 mm <b>68.87.28</b>  0,6 mm
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"Mesh" 	61 × 61 mm <b>68.87.29</b>  0,4 mm	61 × 61 mm <b>68.87.30</b>  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**

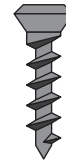
Titan-Schrauben  
 Titanium screws  
 Tornillos de titanio  
 Vis en titane  
 Viti in titanio



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	<b>68.83.73A</b>	<b>68.83.53A</b>	
4,0 mm	<b>68.83.74A</b>	<b>68.83.54A</b>	<b>68.83.84A</b>
5,0 mm	<b>68.83.75A</b>	<b>68.83.55A</b>	
6,0 mm			<b>68.83.86A</b>

a	Ø 1,5 mm	Ø 1,5 mm	Ø 1,9 mm
3,5 mm		<b>68.83.03A</b>	
4,0 mm		<b>68.83.04A</b>	<b>68.83.34A</b>
5,0 mm		<b>68.83.05A</b>	
6,0 mm			<b>68.83.36A</b>

a	Ø 1,5 mm	Ø 1,5 mm	Ø 1,9 mm
3,5 mm	<b>68.85.83A</b>	<b>68.85.43A</b>	
4,0 mm	<b>68.85.84A</b>	<b>68.85.44A</b>	<b>68.85.64A</b>
5,0 mm	<b>68.85.85A</b>	<b>68.85.45A</b>	
6,0 mm			<b>68.85.66A</b>

a	Ø 1,5 mm	Ø 1,5 mm	Ø 1,9 mm
3,5 mm	<b>68.85.73A</b>	<b>68.85.03A</b>	
4,0 mm	<b>68.85.74A</b>	<b>68.85.04A</b>	<b>68.85.24A</b>
5,0 mm	<b>68.85.75A</b>	<b>68.85.05A</b>	
6,0 mm			<b>68.85.26A</b>

**“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**

# 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



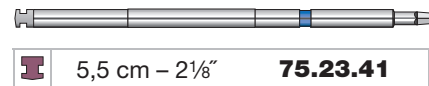
10 cm - 4" **75.23.50**



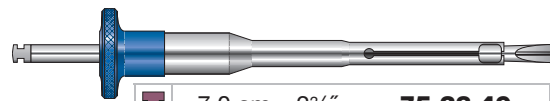
10 cm - 4" **75.23.52**



10 cm - 4" **75.23.78A**

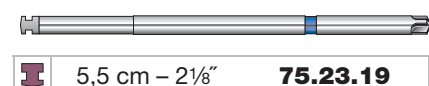


**I** 5,5 cm - 2 1/8" **75.23.41** 1:1

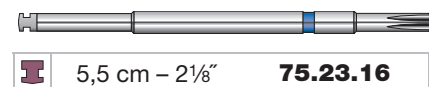


**I** 7,0 cm - 2 3/4" **75.23.49** 1:1

mit Greifvorrichtung  
with gripping device  
con garra  
avec préhenseur  
con dispositivo da presa

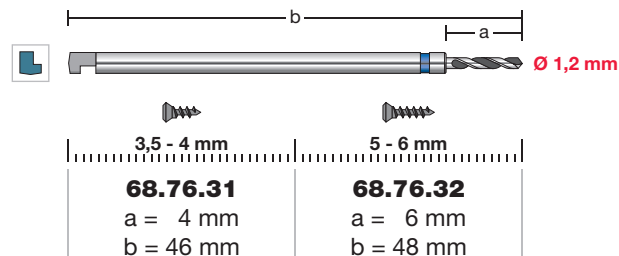


**I** 5,5 cm - 2 1/8" **75.23.19** 1:1



**I** 5,5 cm - 2 1/8" **75.23.16** 1:1

Spiralbohrer  
Twist drills  
Brocas espirales  
Forets hélicoïdaux  
Perforatori elicoidali



**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.

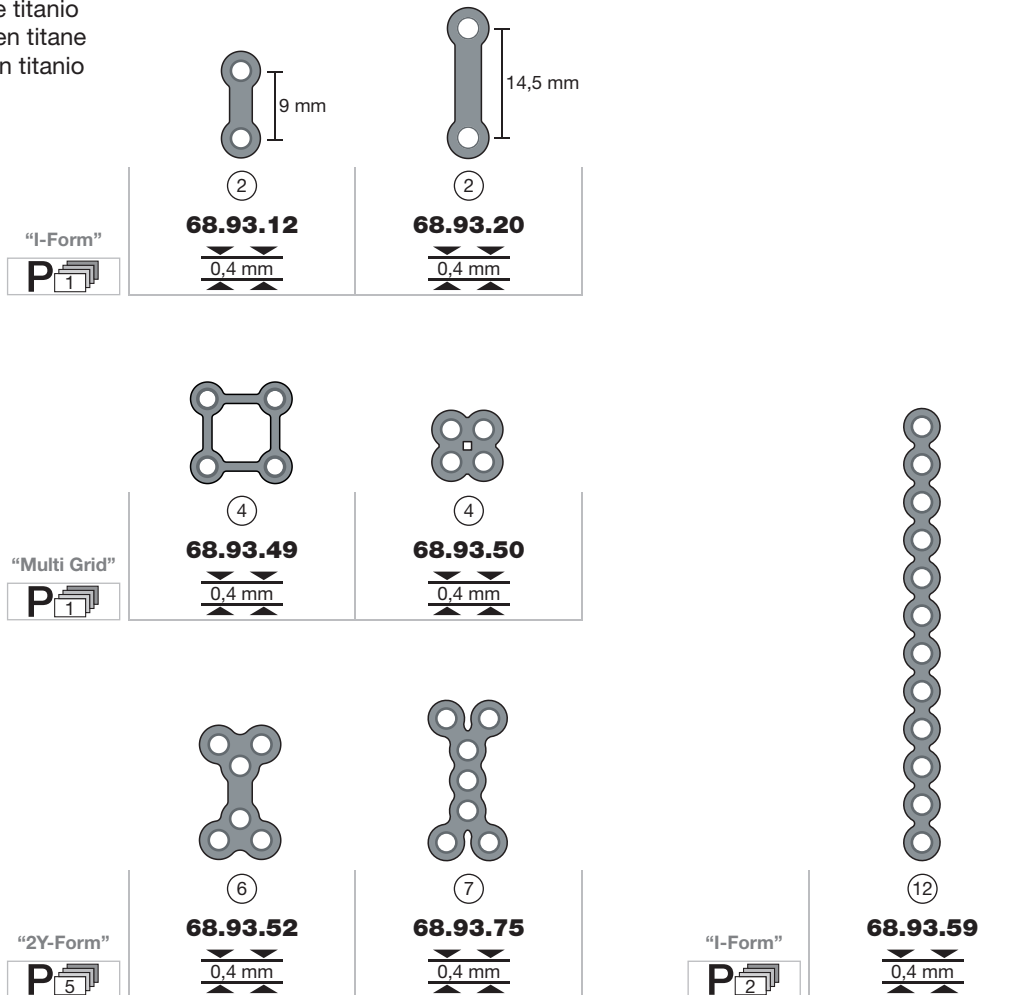
Las placas "Low Profile" de 0,4 mm permiten la fijación adaptada al contorno óseo en las regiones craneales con una capa delgada de partes blandas.

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.

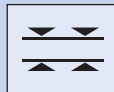
Le placche "Low Profile" da 0,4 mm consentono un fissaggio che si adatta al profilo dell'osso delle regioni craniche con ridotta copertura del tessuto molle.



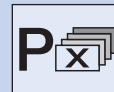
Titan-Platten  
 Titanium plates  
 Placas de titanio  
 Plaques en titane  
 Placche in titanio



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)
	<b>68.93.54</b>	<b>68.93.53</b>
	<b>Masel</b>	<b>Masel</b>
"Shunt" 		

	Ø 13 mm	Ø 18,5 mm	Ø 22 mm
	(5)	(5)	(6)
	<b>68.93.60</b>	<b>68.93.51</b>	<b>68.93.62</b>
"Burr Hole" 			

**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.



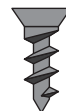
Titan-Schrauben  
 Titanium screws  
 Tornillos de titanio  
 Vis en titane  
 Viti in titanio



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	<b>68.93.00A</b>	<b>68.93.05A</b>

**"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	<b>68.93.23A</b>	
4,0 mm	<b>68.93.24A</b>	<b>68.93.34A</b>



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**



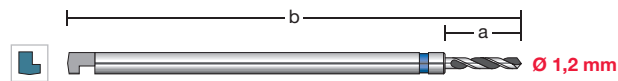
**I** 5,5 cm - 2 1/8" **75.23.41** 1:1



**I** 5,5 cm - 2 1/8" **75.23.19** 1:1



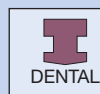
Spiralbohrer  
Twist drill  
Broca espiral  
Foret hélicoïdal  
Perforatore elicoidale



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

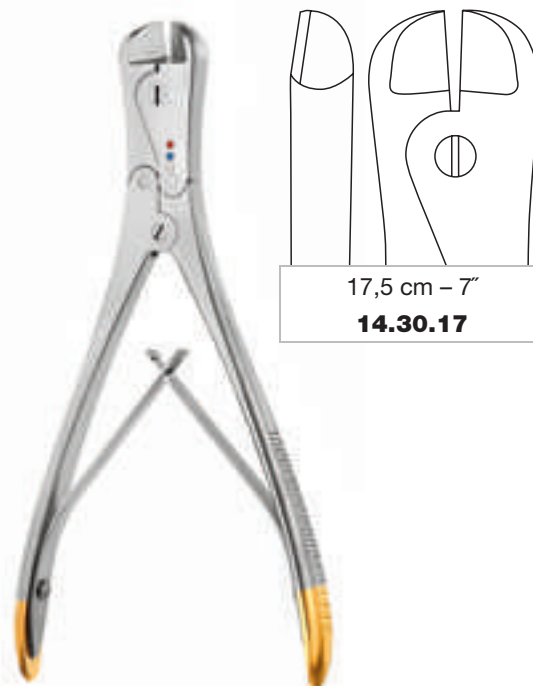
Universal "HM"

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

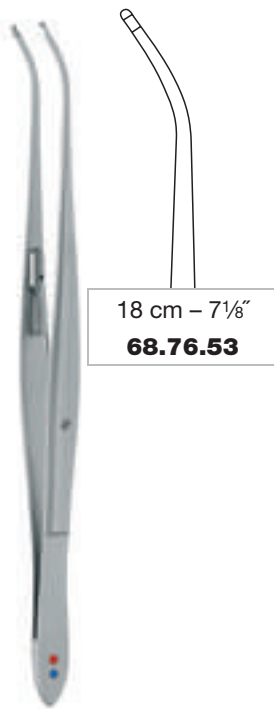


13 cm – 5 1/8"  
**68.76.41**



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

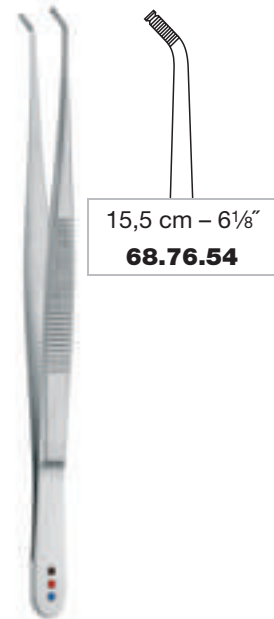


18 cm – 7 1/8"  
**68.76.53**

Plattenhaltepinzetten  
 Plate holding forceps  
 Pinzas de agarre para placas  
 Pincas pour tenir les plaques  
 Pinze da presa per placche



13 cm – 5 1/8"  
**68.76.06**



15,5 cm – 6 1/8"  
**68.76.54**

**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

<b>14.26.72</b>	Wire and Mesh plate cutting scissors	1x
<b>68.76.31</b>	Twist drill (4/46 mm)	2x
<b>68.76.32</b>	Twist drill (6/48 mm)	2x
<b>68.76.54</b>	Plate holding forceps	1x
<b>75.23.19</b>	Screwdriver blades	2x
<b>75.23.50</b>	Screwdriver handles	2x
Instrumente, optional Instruments, optional Instrumentos, opcional Instruments, optionnel Strumenti, opzionale		
<b>75.23.16</b>	Screwdriver blades	2x
<b>75.23.41</b>	Screwdriver blades	2x
<b>75.23.49</b>	Screwdriver blades	2x
<b>75.23.52</b>	Screwdriver handles	2x
<b>75.23.78A</b>	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**

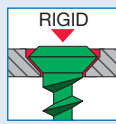
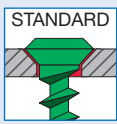
**Sets zur Fixierung des kranialen Knochendeckels**  
**Sets for Fixation of Cranial Bone Flap**  
**Juegos para la fijación de la calota craneal**  
**Jeux pour la fixation du couvercle osseux crânien**  
**Set per il fissaggio della calotta cranica**

**1.5 MICRO NEURO FLAP SET****STERILE**

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:	<b>“POWER GRIP”</b> <b>Ø 1,5 mm</b> 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
	<b>“RIGID”</b> <b>0,6 mm</b> 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 (not inclus dans le set)  
 Accessori (non incluso nel set)


Schraubendrehergriffe  
 Screwdriver handles  
 Mangos para atornillador  
 Manches de tournevis  
 Manici per cacciavite

**75.23.50****75.23.52****75.23.78A**

Spiralbohrer  
 Twist drill  
 Broca espiral  
 Foret hélicoïdal  
 Perforatore elicoidale

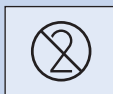
STRYKER  **68.76.31**

Schraubendreherklinge  
 Screwdriver blade  
 Hoja para atornillador  
 Lame de tournevis  
 Lama per cacciavite

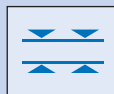
DENTAL  **75.23.19**



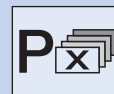
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 Pour le cas où la corticale serait trop dure ou pour la fixation de petits fragments osseux, nous recommandons un préforage.  
 In presenza di una corticale molto dura oppure per la fissazione di piccoli frammenti consigliamo di perforare prima dell'inserimento 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  
 Epaisseur des plaques  
 Spessore delle placche



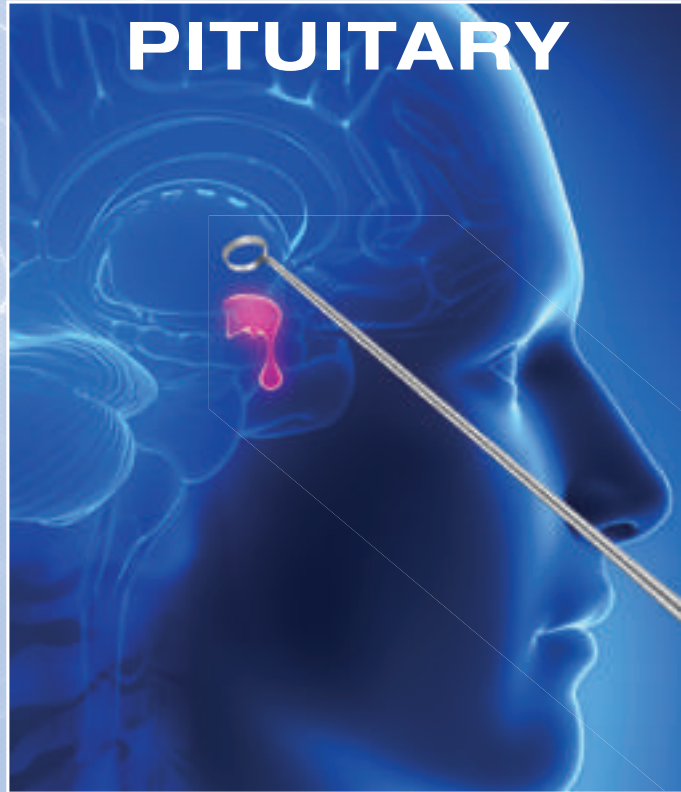
Verpackungseinheit "X" Stück  
 Packing unit "X" pieces  
 Paquete de "X" unidades  
 Emballage de "X" pièces  
 Confezione da "X" pezzi





**Instrumente für die Hypophysektomie**  
**Instruments for Hypophysectomy**  
**Instrumentos para la hipofisectomía**  
**Instrumentos pour l'hypophysectomie**  
**Strumenti per ipofisectomia**

**B10**

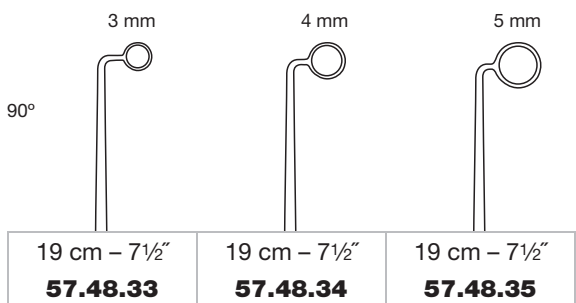
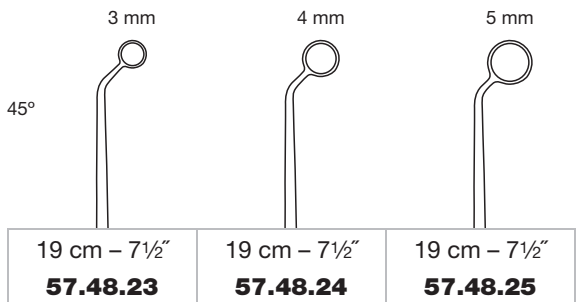
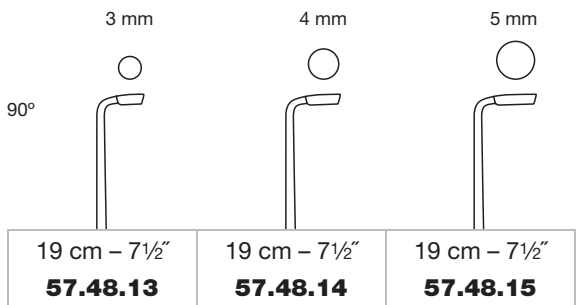
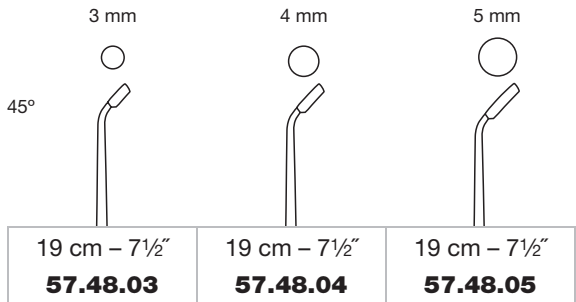




**Instrumente für die Hypophysektomie**  
**Instruments for Hypophysectomy**  
**Instrumentos para la hipofisectomía**  
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**Strumenti per ipofisectomia**

# B10

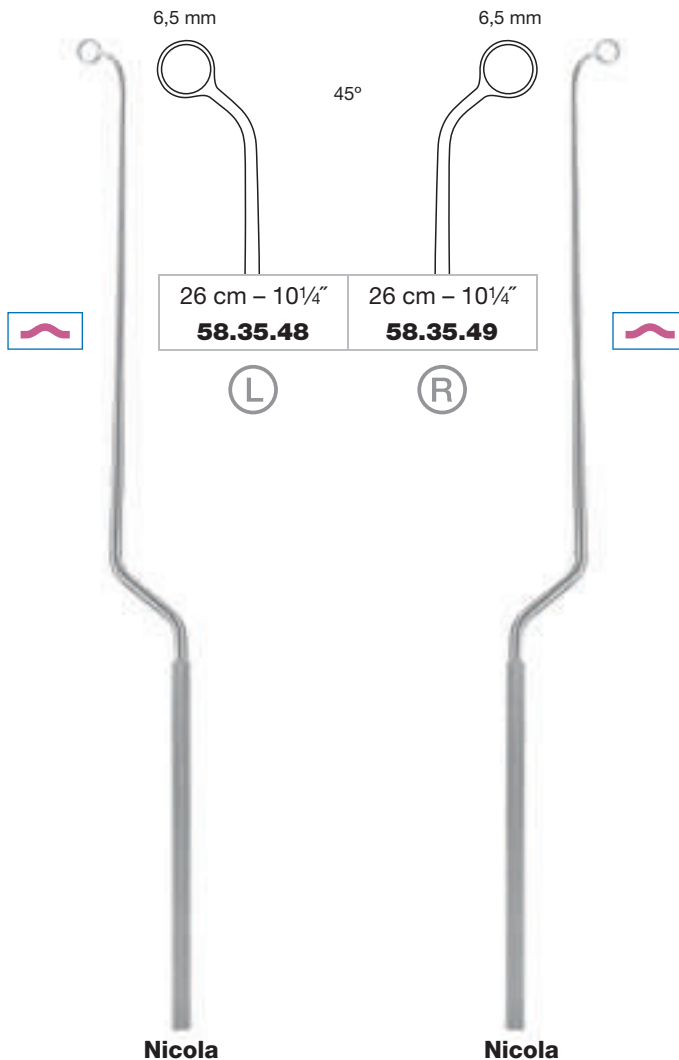
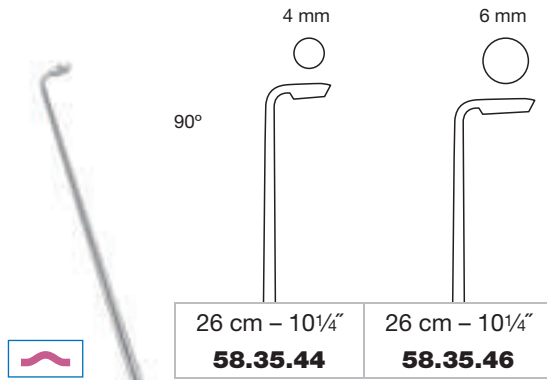
Küretten  
 Curettes  
 Curetas  
 Curettes  
 Curette




**Instrumente für die Hypophysektomie**  
**Instruments for Hypophysectomy**  
**Instrumentos para la hipofisectomía**  
**Instrumenti per l'ipofisectomia**


**B10**

Küretten  
 Currettes  
 Curetas  
 Curettes  
 Curette



 biegsam  
 malleable  
 maleables  
 malleables  
 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

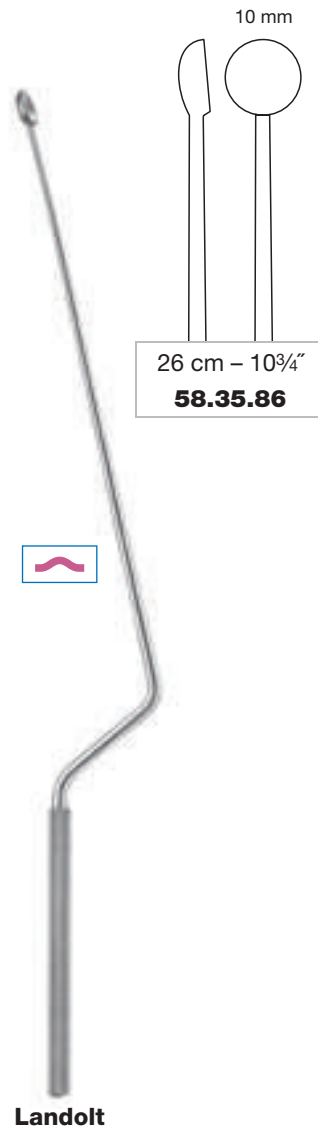
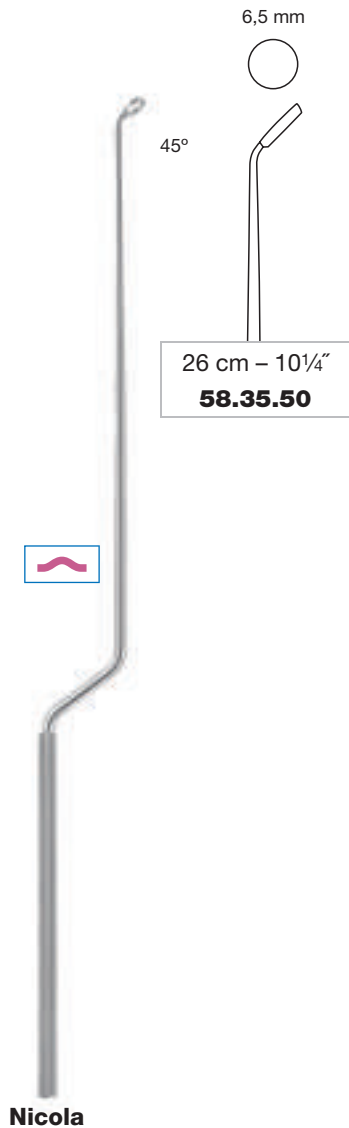


**Instrumente für die Hypophysektomie**  
**Instruments for Hypophysectomy**  
**Instrumentos para la hipofisectomía**  
**Instrumentos pour l'hypophysectomie**  
**Strumenti per ipofisectomia**

# 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  
 malléables  
 malleabili

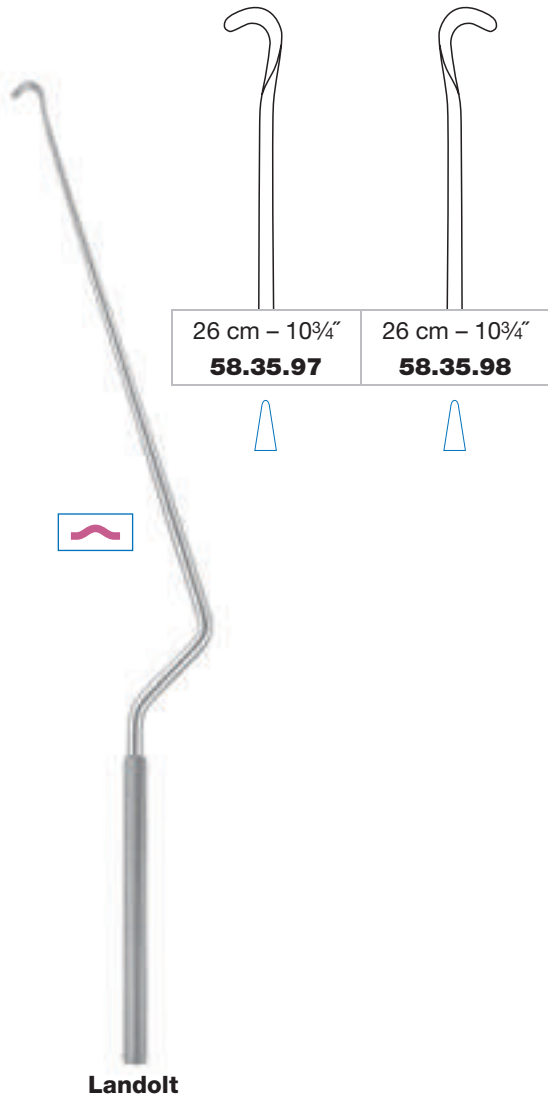


**Instrumente für die Hypophysektomie**  
**Instruments for Hypophysectomy**  
**Instrumentos para la hipofisectomía**  
**Instrumentos pour l'hypophysectomie**  
**Strumenti per ipofisectomia**

# B10

Enukleatoren  
 Eucleators  
 Enucleadores  
 Enucleateurs  
 Enucleatori

Raspatorium  
 Raspatory  
 Legras  
 Rugine  
 Periostotomo



**Landolt**



**Landolt-Reulen**



stumpf  
 blunt  
 romo  
 mousse  
 smussa



biegbar  
 malleable  
 malleables  
 malleables  
 malleabili

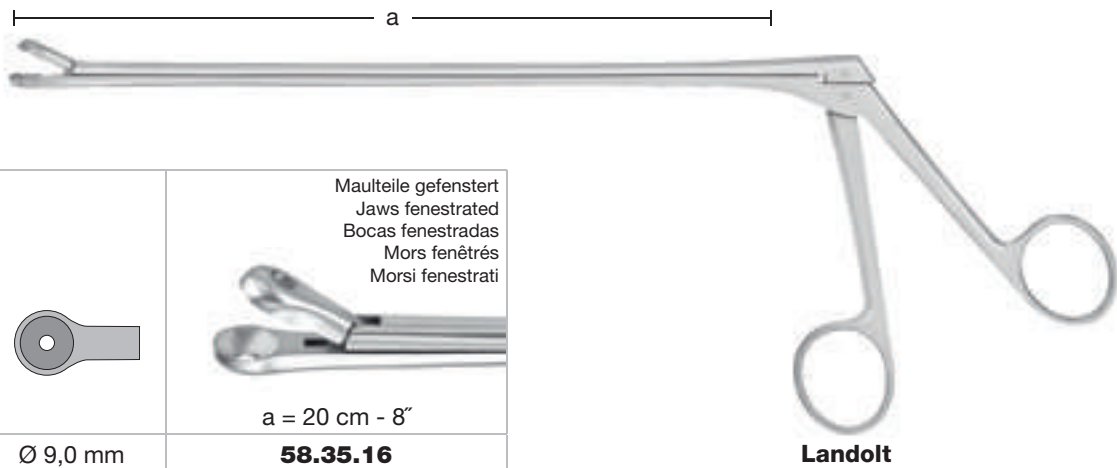
**Instrumente für die Hypophysektomie**  
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**Instrumentos para la hipofisectomía**  
**Instrumentos pour l'hypophysectomie**  
**Strumenti per ipofisectomia**

**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

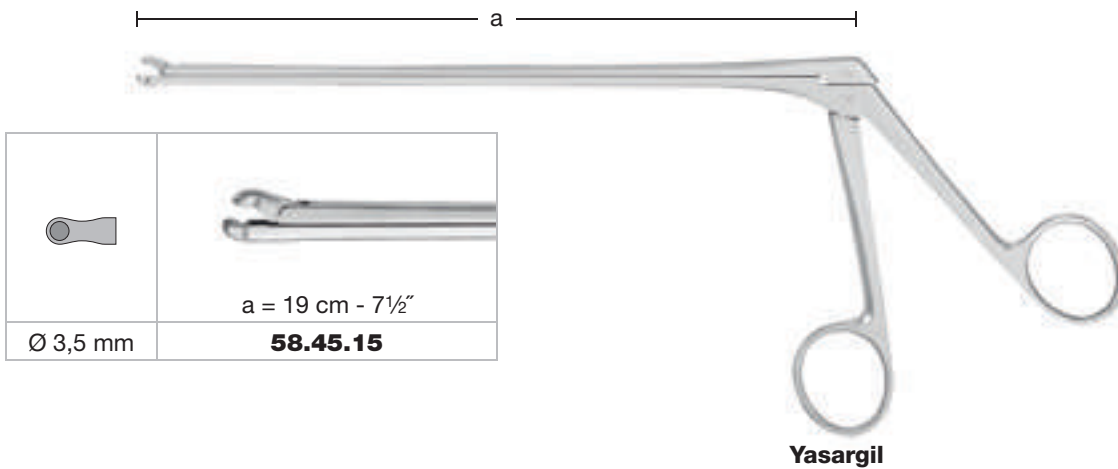
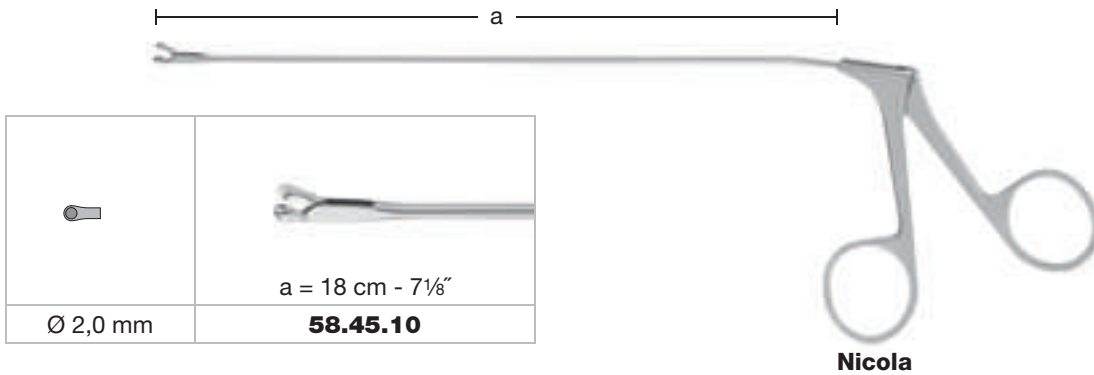
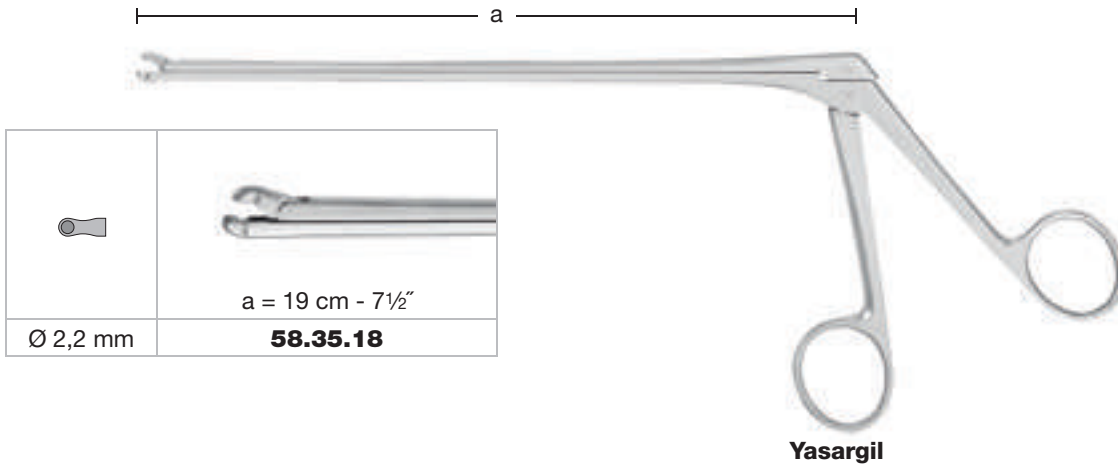


	<p>Maulteile gefenstert                  Jaws fenestrated                  Bocas fenestradas                  Mors fenêtrés                  Morsi fenestrati</p>
<p>Ø 9,0 mm</p>	<p>a = 20 cm - 8"  <b>58.35.16</b></p>

**B10**

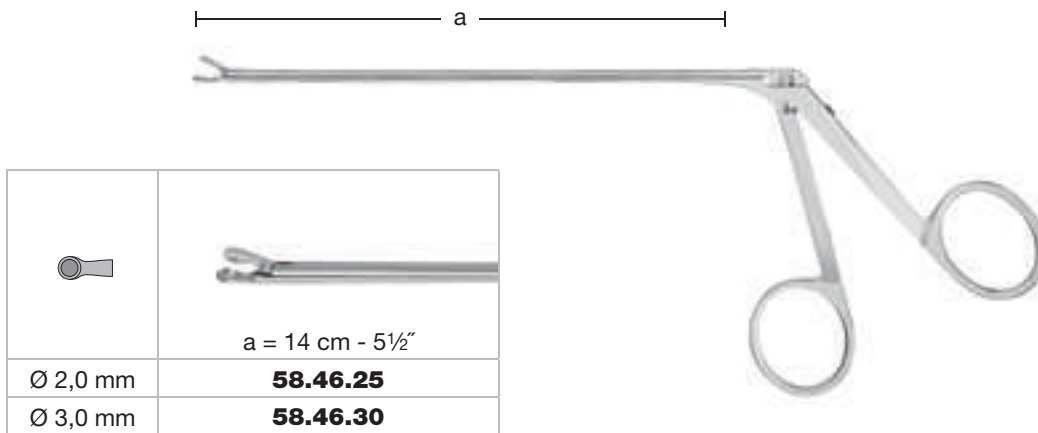
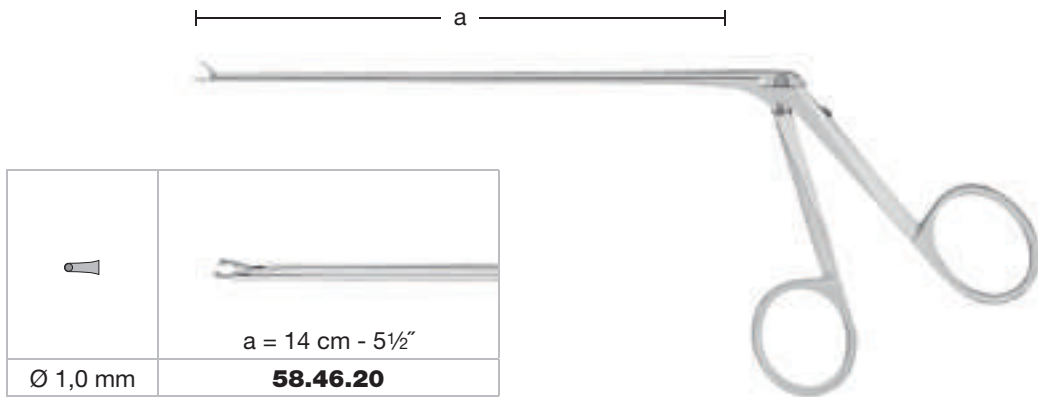
**Instrumente für die Hypophysektomie**  
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**Instrumentos para la hipofisectomía**  
**Instrumentes pour l'hypophysectomie**  
**Strumenti per ipofisectomia**

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

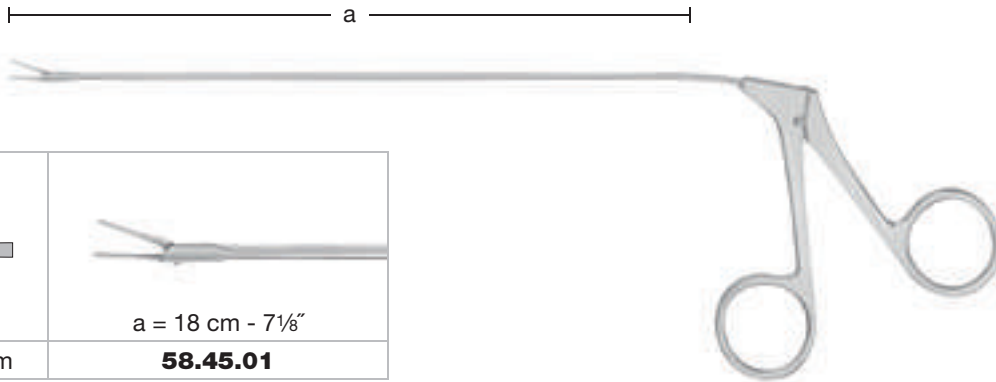




**Instrumente für die Hypophysektomie**  
**Instruments for Hypophysectomy**  
**Instrumentos para la hipofisectomía**  
**Instrumentos pour l'hypophysectomie**  
**Strumenti per ipofisectomia**

**B10**

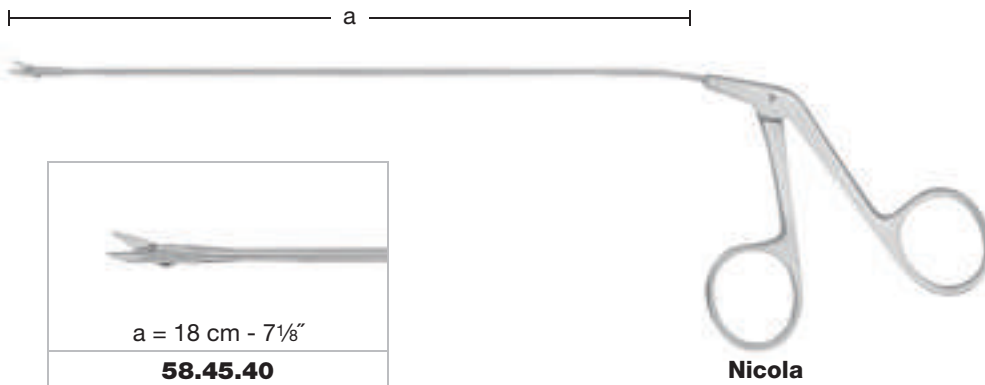
Fasszange  
 Grasping forceps  
 Pinza para agarrar  
 Pince à saisir  
 Pinza per afferrare



1,0 mm	a = 18 cm - 7 1/8"
	<b>58.45.01</b>

**Yasargil**

Mikro-Schere  
 Micro scissors  
 Micro tijera  
 Micro ciseaux  
 Micro forbice



	a = 18 cm - 7 1/8"
	<b>58.45.40</b>

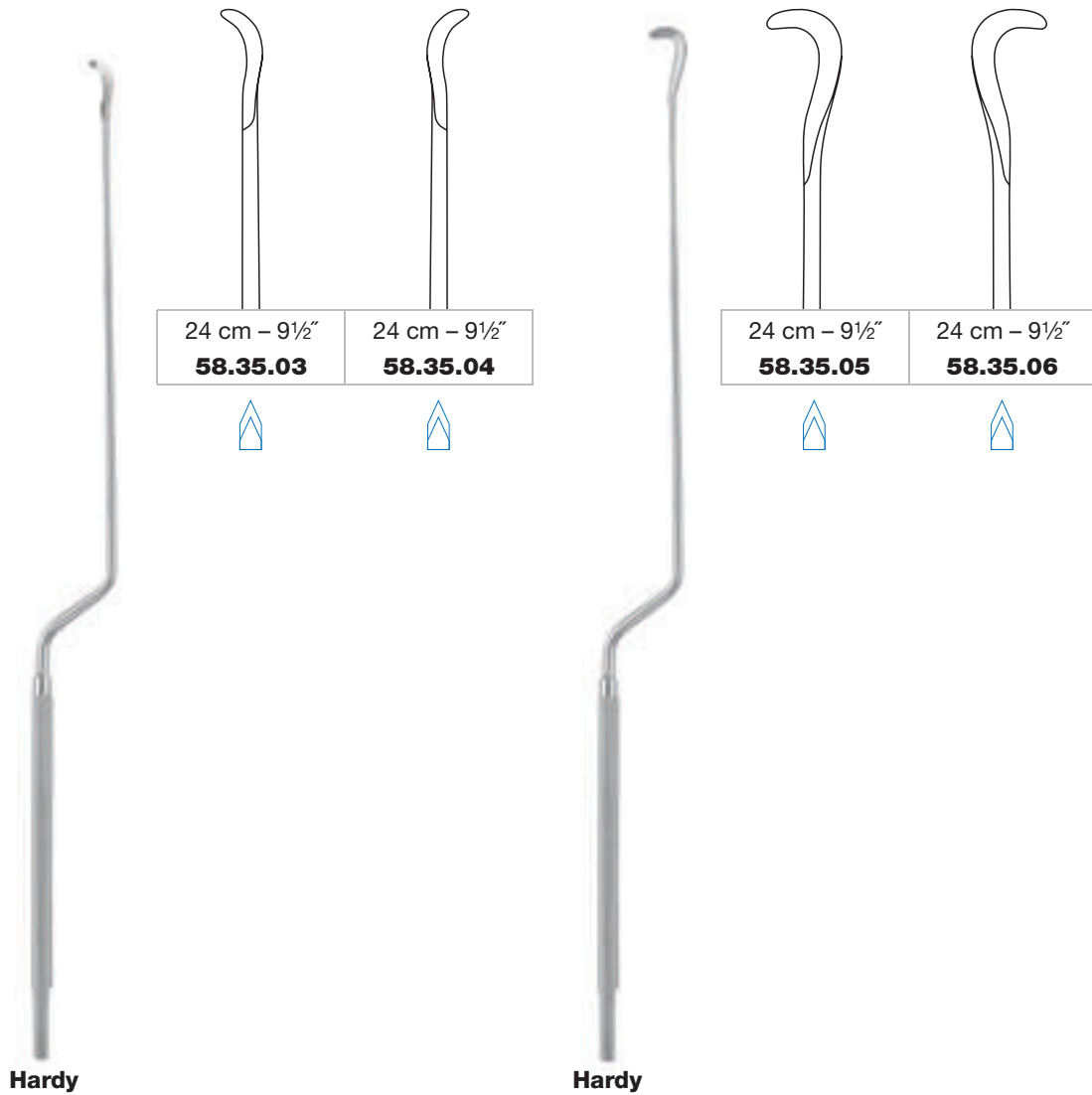
**Nicola**



**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



scharf  
 sharp  
 cortante  
 tranchant  
 acuta



**Instrumente für die transspheoidale Hypophysektomie**  
**Instruments for Transsphenoidal Hypophysectomy**  
**Instrumentos para la hipofisectomía transesfenoidal**  
**Instrumentos pour l'hypophysectomie transsphénoïdale**  
**Strumenti per ipofisectomia transfenoidale**

**B10**

Enukleatoren  
 Eucleators  
 Eucleadores  
 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**



**Hardy**



24 cm – 9½"  
**58.35.19**

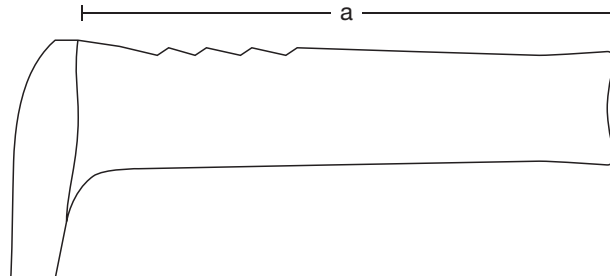


stumpf  
 blunt  
 romo  
 mousse  
 smussa

**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	<b>58.35.70</b>
a = 90 mm	<b>58.35.90</b>
a = 110 mm	<b>58.35.91</b>

**Cushing-Landolt**

Spreizzange für Spekula  
 Spreading forceps for specula  
 Pinza dilatador para espéculos  
 Pince écartante pour spéculums  
 Pinza divaricatrice per specoli



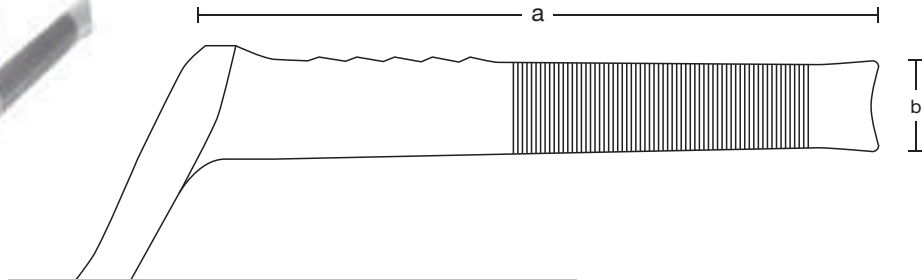
21 cm – 8¼"	<b>58.35.99</b>
-------------	-----------------

**Landolt**

**B10**

**Instrumente für die transsphenoïdale Hypophysektomie**  
**Instruments for Transsphenoidal Hypophysectomy**  
**Instrumentos para la hipofisectomía transesfenoidal**  
**Instrumentos pour l'hypophysectomie transsphénoïdale**  
**Strumenti per ipofisectomia transfenoidale**

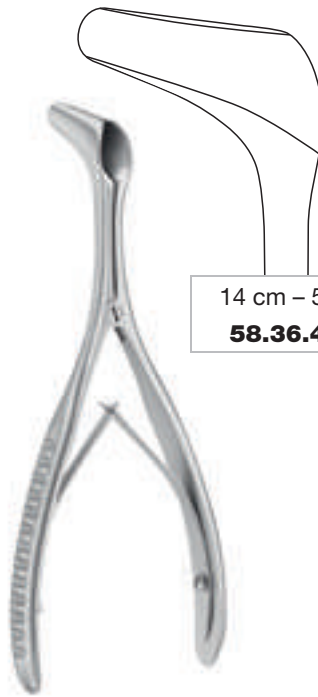
Spekula  
 Specula  
 Espéculos  
 Spéculums  
 Specoli



a = 80 mm	b = 11 mm	<b>58.36.40</b>
a = 90 mm	b = 13 mm	<b>58.36.41</b>
a = 100 mm	b = 15 mm	<b>58.36.42</b>

**Papavero-Caspar**

Spreizer für Spekula  
 Spreader for specula  
 Separador para espéculos  
 Ecarteur pour spéculums  
 Divaricatore per specoli



14 cm - 5½"  
**58.36.43**

**Papavero-Hartmann**

**Druckluftmotorensystem  
Pneumatic High Speed System  
Sistema de motor neumático  
Système de moteur pneumatique  
Sistema motore pneumatico**

**B11**

Das Druckluft-Motorensystem "VipAir" von Medicon wurde speziell für das Fräsen und Bohren an Schädel- bzw. Wirbelsäulenknochen 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.



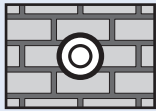
**VipAir**  
PNEUMATIC HIGH SPEED SYSTEM



# 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



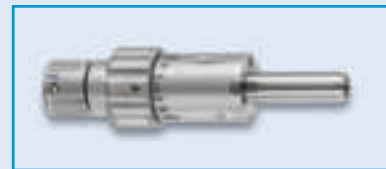
Fußpedal  
 Foot switch  
 Interruptor a pedal  
 Interrupteur à pédale  
 Interruttore a pedale



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)



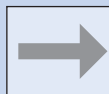
Winkelmotor  
 Angled motor  
 Motor angulado  
 Moteur angulaire  
 Motore angolato



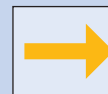
Motor mit INTRA-Kupplung  
 Motor with INTRA coupling  
 Motor con acoplamiento INTRA  
 Moteur avec embrayage INTRA  
 Motore con accoppiamento INTRA



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**



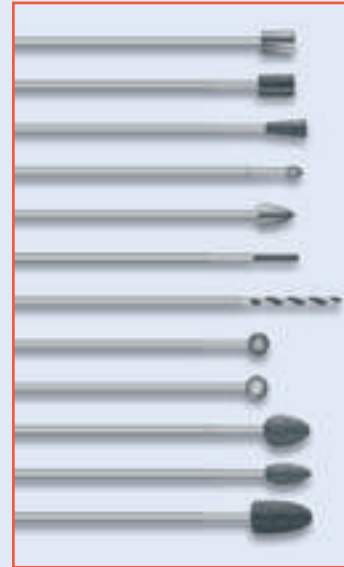
Trepanfräser (siehe Seite 145)  
 Trepanation burrs (see page 145)  
 Fresas de trépano (véase página 145)  
 Fraises à trépan (voir page 145)  
 Punta per perforatore (vedi pagina 145)



Arbeitsaufsätze  
 Hand pieces  
 Cabezales de trabajo  
 Pièces à main  
 Inserti lavorativi

gewinkelt  
 angled  
 anguladas  
 angulaires  
 angolati

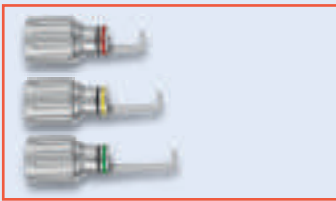
gerade  
 straight  
 rectas  
 droites  
 retti



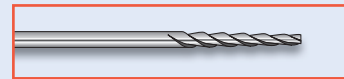
Werkzeuge  
 Tools  
 Terminales  
 Outils  
 Punte



Spülrohre  
 Irrigation tubes  
 Tubos de irrigación  
 Tuyaux d'irrigation  
 Tubi d'irrigazione



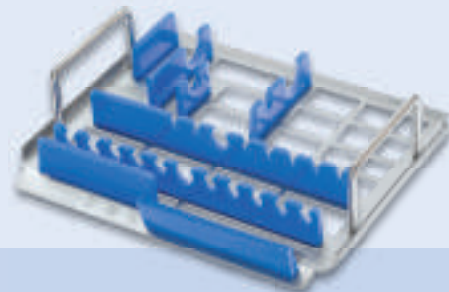
Kraniotome (siehe Seite 145)  
 Craniotomes (see page 145)  
 Cráneotomos (véase página 145)  
 Crâniotomes (voir page 145)  
 Craniotomi (vedi pagina 145)



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





**Vorteile**  
**Advantages**  
**Ventajas**  
**Avantages**  
**Vantaggi**

**B11**

**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

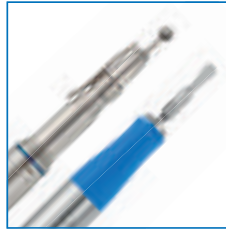
Sichere und schnelle Bedienbarkeit durch MEDICON-Spezialkupplung  
 Secure and quick handling due to the MEDICON special coupling  
 Manejo rápido y seguro mediante el acoplamiento MEDICON  
 Maniement sûr et rapide par accouplement MEDICON spécial  
 Utilizzo sicuro e veloce grazie all'accoppiamento 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

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

1. = 20.000 U/min

2. = 25.000 U/min

- ▶ 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

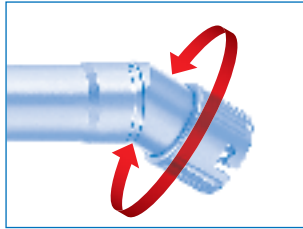
Technische Daten Technical data Especificaciones técnicas Caractéristiques techniques Dati tecnici	Drehzahl bei 8 bar Revolutions per minute at 8 bar Número de revoluciones a 8 bar Nombre de tours à 8 bar Numero di giri a 8 bar	Drehmoment bei 8 bar Torque at 8 bar Momento de giro a 8 bar Couple à 8 bar 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
<b>93.00.22</b>	20.000-25.000 U/min	4,0 Ncm	44 Watt	8 bar	8±2 bar

**B11**

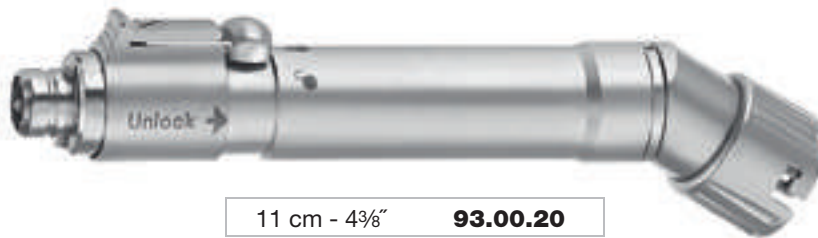
**Druckluftmotoren**  
**Pneumatic High Speed Motors**  
**Motores neumáticos**  
**Moteurs pneumatiques**  
**Motori pneumatici**

**VipAir**  
 PNEUMATIC HIGH SPEED SYSTEM

Winkelmotor  
 Angled motor  
 Motor angulado  
 Moteur angulaire  
 Motore angolato

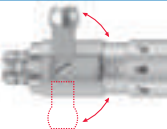


Das drehbare Winkelstück verhindert ein Verwinden des Motorschlauches  
 The rotatable elbow avoids a torsion of the motor tube  
 La pieza de mano giratoria evita una torsión del tubo de motor  
 Le coude à plat pivotant empêche une torsion du tuyau moteur  
 Il raccordo girevole impedisce una torsione 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  
 Embayage 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
<b>93.00.20</b>	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**

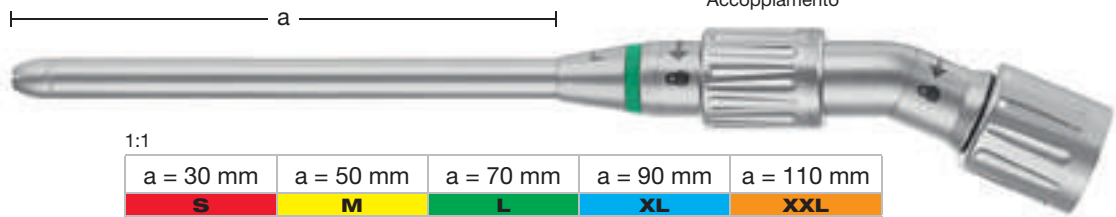
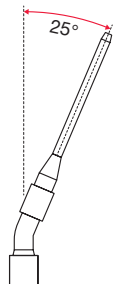
**B11**

Arbeitsaufsätze  
 Hand pieces  
 Cabezales de trabajo  
 Pièces à main  
 Inserti lavorativi



1:1

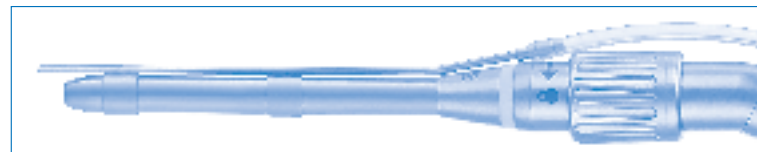
a = 20 mm	a = 40 mm	a = 60 mm	a = 80 mm	a = 100 mm
<b>S</b>	<b>M</b>	<b>L</b>	<b>XL</b>	<b>XXL</b>
<b>93.00.40</b>	<b>93.00.42</b>	<b>93.00.44</b>	<b>93.00.46</b>	<b>93.00.48</b>



Kupplung  
 Coupling  
 Acoplamiento  
 Embrayage  
 Accoppiamento

1:1

a = 30 mm	a = 50 mm	a = 70 mm	a = 90 mm	a = 110 mm
<b>S</b>	<b>M</b>	<b>L</b>	<b>XL</b>	<b>XXL</b>
<b>93.00.50</b>	<b>93.00.52</b>	<b>93.00.54</b>	<b>93.00.55</b>	<b>93.00.56</b>



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
<b>S</b>	<b>M</b>	<b>L</b>	<b>XL</b>	<b>XXL</b>
<b>93.00.70</b>	<b>93.00.72</b>	<b>93.00.74</b>	<b>93.00.76</b>	<b>93.00.78</b>



**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	
	<b>93.02.41</b>			Ø 3,0 mm
	<b>93.02.43</b>	<b>93.03.23</b>		Ø 6,0 mm

Wirbelkörperfräser  
Vertebra burrs  
Fresas para vértebras  
Fraises vertébrales  
Frese per vertebre

**STERILE | R**



1:1

S	M	L	XL	
	<b>93.02.35</b>	<b>93.03.35</b>		Ø 5,0 mm

Neurofräser  
Neuro burrs  
Fresas neuro  
Fraises neuro  
Frese neuro

**STERILE | R**



1:1

S	M	L	XL	
	<b>93.02.31</b>	<b>93.03.21</b>		Ø 2,1 mm
	<b>93.02.32</b>	<b>93.03.22</b>	<b>93.06.30</b>	Ø 3,0 mm

Fräser  
Burrs  
Fresas "Flameshape"  
Fraises  
Frese

**STERILE | R**



1:1

S	M	L	XL	
	<b>93.02.37</b>			Ø 3,0 mm
	<b>93.02.39</b>			Ø 6,0 mm

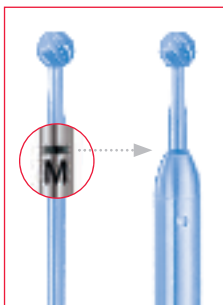
Zementbohrer  
Cement drill  
Broca para cemento  
Fraise à ciment  
Perforatore per cemento

**STERILE | R**



1:1

S	M	L	XL	
	<b>93.02.33</b>			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 sûr 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



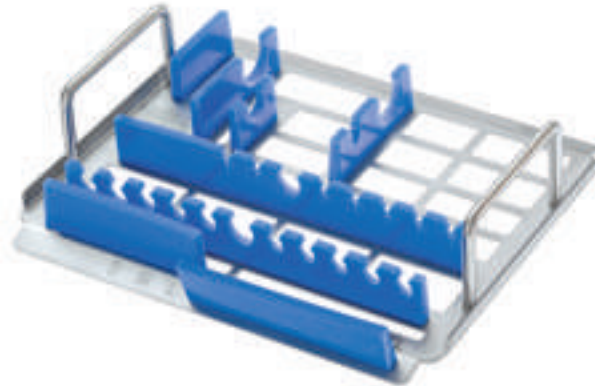
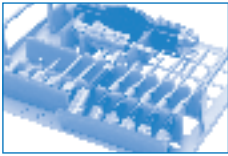
 **93.00.15** 2,5 m 

**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

502 × 239 × 102 mm **93.00.85**

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

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

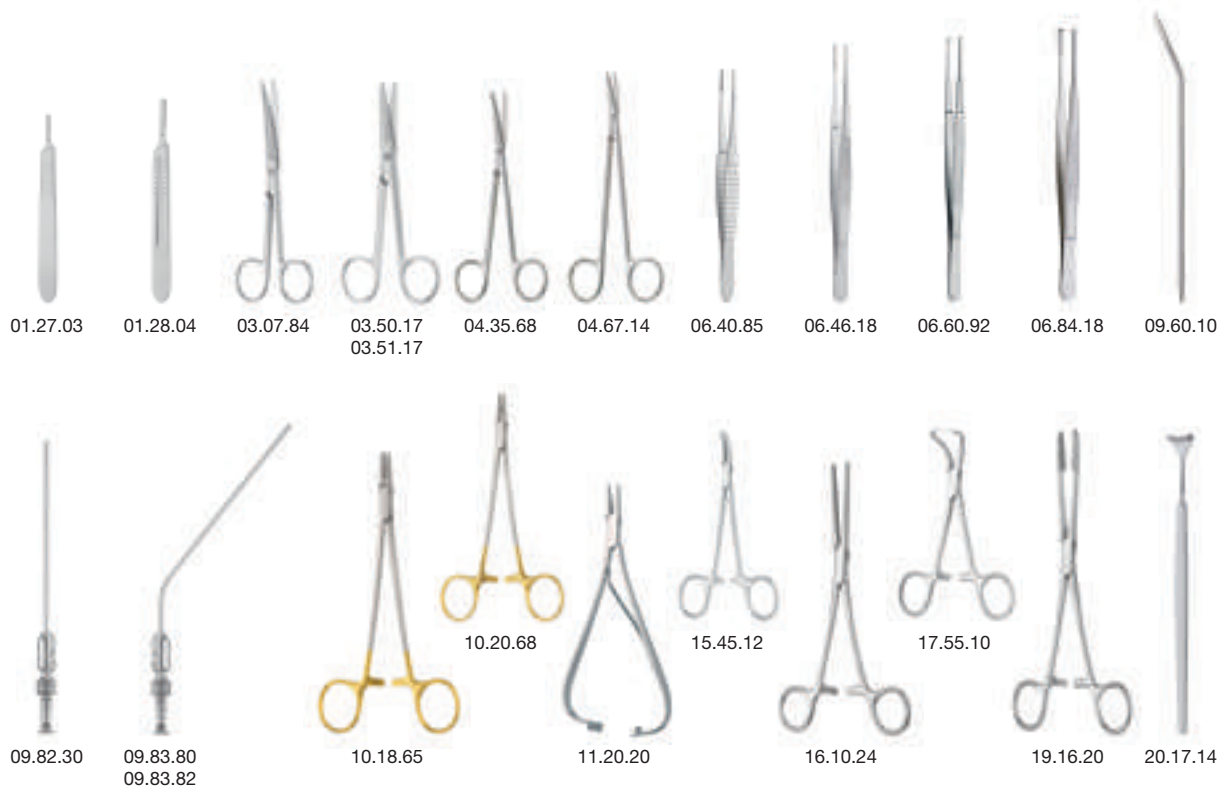
neuro  
**CRANIALIS**

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

<b>C01</b>	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
<b>C02</b>	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
<b>C03</b>	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
<b>C04</b>	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
<b>C05</b>	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
<b>C06</b>	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
<b>C07</b>	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 x 2 teeth · 15 cm	1
06.46.18	POTTS-SMITH Dressing forceps · serrated · 18 cm	2
06.60.92	GERALD Tissue forceps · straight · 1 x 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
<b>20.65.03</b>	Tracheal retractor · 3 teeth · blunt · 10 mm · 16 cm	1
<b>22.42.04</b>	KOCHER Retractor · 4 teeth · sharp · 18 mm · 22 cm	1
<b>24.22.14</b>	WEITLANER Retractor · 3 × 4 teeth · blunt · 13 cm	1
<b>24.30.14</b>	WEITLANER-BECKMANN Retractor · blunt · 14.5 cm	1
<b>26.54.10</b>	LAMBOTTE Raspatory · 10 mm · 22 cm	1
<b>29.52.42</b>	SCHEDE Sharp curette · figure 2/0 · 17 cm	1
<b>31.09.93</b>	Bone rongeur · slender pattern · angled sideways · 23 cm	1
<b>31.11.13</b>	MARQUARDT Bone rongeur · curved · 20 cm	1
<b>57.34.16</b>	TOENNIS Hook · 17 cm	1
<b>57.36.14</b>	DAVIS Dissector · double-ended · 4 / 5 mm · 25 cm	1
<b>57.64.02</b>	GIGLI Wire saw handles · solid · packing unit 2 pieces	2
<b>57.64.30</b>	GIGLI (OLIVECRONA) Wire saw · packing unit 5 pieces · 30 cm	2
<b>57.64.90</b>	DEMARTEL (BAILEY) Wire saw guide · 33 cm	1
<b>57.85.03A</b>	RANEY Scalp clip · packing unit 200 pieces	1
<b>57.85.07</b>	RANEY Scalp clip forceps · 16 cm	1
<b>→ 57.85.50</b>	<b>MOD. KÖLN Clip · packing unit 10 pieces</b>	<b>1</b>
<b>67.15.35</b>	YANKAUER Septum elevator · 6 mm · 18 cm	1
<b>49.60.17</b>	Medicontainer · silver · 590 × 290 × 170 mm	1
<b>49.97.12</b>	Wire basket · 480 × 255 × 50 mm	3



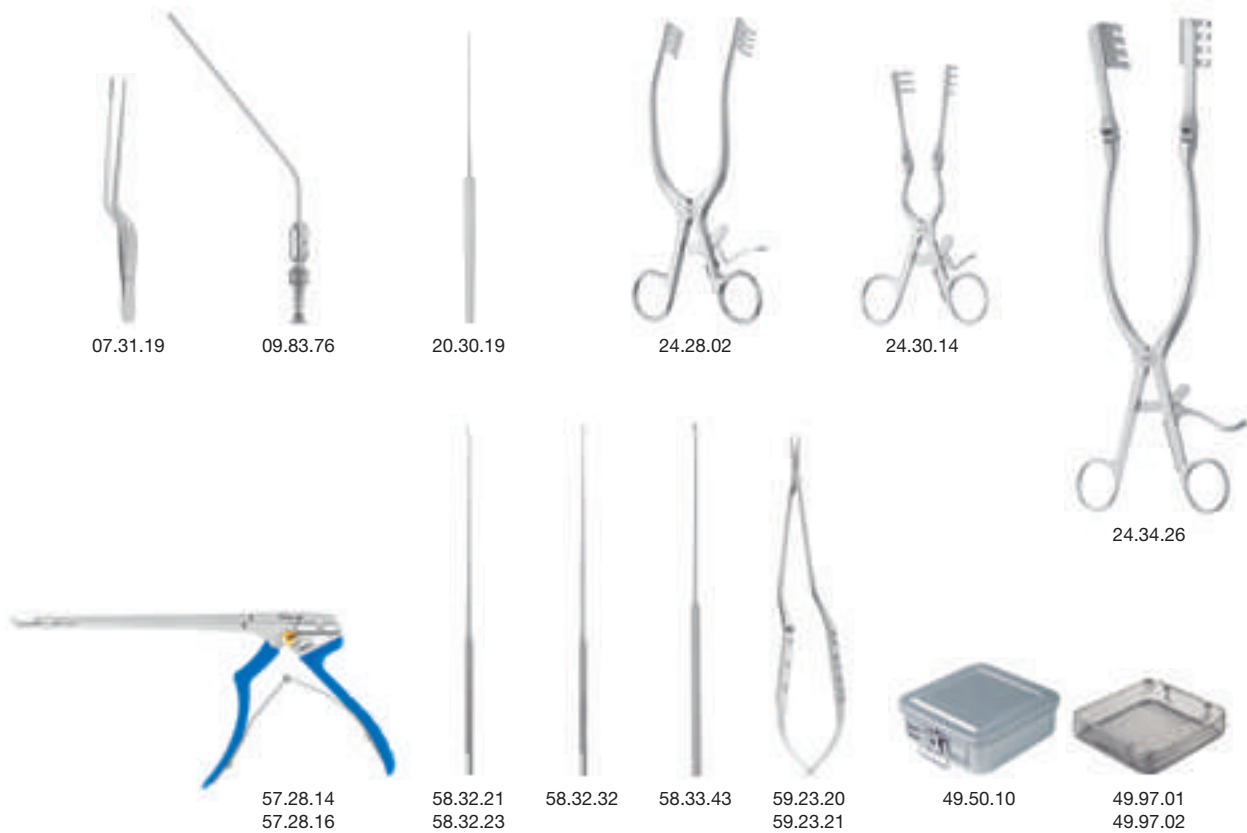
Das komplette Instrumentarium für die Trepanation und Kraniotomie finden Sie im Abschnitt B03  
 For the complete range of instruments for trepanation and craniotomy please see section B03  
 El instrumental completo para la trepanación y la craneotomía se encuentra en la sección B03  
 Vous trouverez 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
<b>07.31.19</b>	GRUENWALD Bayonet forceps · 1 x 2 teeth · 19.5 cm	2
<b>09.83.76</b>	FRAZIER (FERGUSSON) Suction cannula · angled · 6 French · 18 cm	1
<b>20.30.19</b>	GILLIES Hook · small · 19 cm	1
<b>24.28.02</b>	ADSON-ANDERSON Retractor · angled · sharp · 19 cm	2
<b>24.30.14</b>	WEITLANER-BECKMANN Retractor · blunt · 14.5 cm	2
<b>24.34.26</b>	BECKMANN-ADSON Retractor · blunt · 25 mm · 31 cm	2
<b>57.28.14</b>	KERRISON Rongeur · dismantable · angled upwards 40° · 4 mm · 20 cm	1
<b>57.28.16</b>	KERRISON Rongeur · dismantable · angled upwards 40° · 6 mm · 20 cm	1
<b>58.32.21</b>	Micro dissector · 1.0 mm · 23 cm	1
<b>58.32.23</b>	Micro dissector · 1.8 mm · 23 cm	1
<b>58.32.32</b>	Micro tumor knife · Ø 2 mm · 23 cm	1
<b>58.33.43</b>	SAMII Tumor knife · Ø 4.5 mm · 23 cm	1
<b>59.23.20</b>	YASARGIL Micro scissors · bayonet · straight · 23 cm	1
<b>59.23.21</b>	YASARGIL Micro scissors · bayonet · angled · 23 cm	1
<b>49.50.10</b>	Medicontainer · silver · 290 x 290 x 100 mm	1
<b>49.97.01</b>	Wire basket · 240 x 255 x 30 mm	1
<b>49.97.02</b>	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
<b>01.27.03</b>	Scalpel handle · no 3 · standard · 12.5 cm	1
<b>01.28.04</b>	Scalpel handle · no 4 · standard · 13.5 cm	2
<b>03.07.84</b>	Operating scissors · delicate · curved · sharp / blunt · 14.5 cm	1
<b>03.50.17</b>	MAYO Scissors · straight · 17 cm	1
<b>03.51.17</b>	MAYO Scissors · curved · 17 cm	1
<b>04.35.68</b>	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	1
<b>04.67.14</b>	REYNOLDS (JAMESON) Scissors · curved · 14 cm	1
<b>06.05.20</b>	Tissue forceps · standard · 1 × 2 teeth · 20 cm	1
<b>06.23.15</b>	MICRO-ADSON Tissue forceps · 1 × 2 teeth · 15 cm	1
<b>06.43.15</b>	WAUGH Tissue forceps · cross threads · 1 × 2 teeth · 15 cm	2
<b>06.46.18</b>	POTTS-SMITH Dressing forceps · serrated · 18 cm	2
<b>06.48.18</b>	POTTS-SMITH Tissue forceps · 1 × 2 teeth · 18 cm	1
<b>06.60.92</b>	GERALD Tissue forceps · straight · 1 × 2 teeth · 18 cm	2
<b>06.84.18</b>	STILLE-BARRAYA Tissue forceps · 18 cm	2
<b>09.60.10</b>	REDON Guide needle · slight curved · knife tip · threaded end · 10 French	1
<b>09.82.30</b>	FRAZIER Suction cannula · 10 French · straight · 12.5 cm	2
<b>09.83.78</b>	FRAZIER (FERGUSON) Suction cannula · 8 French · angled · 18 cm	1
<b>09.83.80</b>	FRAZIER (FERGUSON) Suction cannula · 10 French · angled · 18 cm	1
<b>09.83.82</b>	FRAZIER (FERGUSON) Suction cannula · 12 French · angled · 18 cm	2
<b>10.18.65</b>	MAYO-HEGAR "HM" Needle holder · 16 cm	1
<b>10.20.68</b>	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
<b>57.34.16</b>	TOENNIS Hook · 17 cm	1
<b>57.36.14</b>	DAVIS Dissector · double-ended · 4 mm / 5 mm · 25 cm	1
<b>57.64.02</b>	GIGLI Wire saw handles · solid · packing unit 2 pieces	2
<b>57.64.30</b>	GIGLI (OLIVECRONA) Wire saw · packing unit 5 pieces · 30 cm	2
<b>57.64.90</b>	DE MARTEL (BAILEY) Wire saw guide · 33 cm	1
<b>57.85.03A</b>	RANEY Scalp clip · packing unit 200 pieces	1
<b>57.85.07</b>	RANEY Scalp clip forceps · 16 cm	1
<b>57.85.10</b>	YASARGIL Galea hook · 31 cm	5
<b>57.85.11</b>	YASARGIL Galea hook · 41 cm	5
<b>→ 57.85.50</b>	MOD. KÖLN Clip · packing unit 10 pieces	1
<b>59.44.05</b>	YASARGIL Grasping forceps · Ø 5 mm · 22 cm	1
<b>59.44.73</b>	YASARGIL Grasping forceps · Ø 3 mm · 22 cm	1
<b>59.44.75</b>	YASARGIL Grasping forceps · Ø 5 mm · 22 cm	1
<b>67.15.35</b>	YANKAUER Septum elevator · 6 mm · 18 cm	1
<b>49.60.17</b>	Medicontainer · silver · 590 × 290 × 170 mm	1
<b>49.97.12</b>	Wire basket · 480 × 255 × 50 mm	3



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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
<b>09.83.76</b>	FRAZIER (FERGUSSON) Suction cannula · angled · 6 French · 18 cm	1
<b>58.19.27</b>	YASARGIL Micro scissors · angled · buttoned · 18 cm	1
<b>58.30.01</b>	JACOBSON Vessel knife · 18.5 cm	1
<b>58.30.10</b>	YASARGIL Raspatory · angled · 1 mm · 18.5 cm	1
<b>58.30.17</b>	YASARGIL Raspatory · slightly curved · 2.5 mm · 18.5 cm	1
<b>58.30.20</b>	JACOBSON Probe · ball tip · angled · 18.5 cm	1
<b>58.30.32</b>	KRAYENBÜHL Hook · 3.5 mm · 18.5 cm	1
<b>58.30.35</b>	KRAYENBÜHL Hook · 2.0 mm · 18.5 cm	1
<b>58.30.36</b>	KRAYENBÜHL Hook · 2.5 mm · 18.5 cm	1
<b>58.32.04</b>	Hook · sharp · 2.5 mm · 18.5 cm	1
<b>58.32.21</b>	Micro dissector · 1.0 mm · 23 cm	1
<b>58.32.22</b>	Micro dissector · 1.4 mm · 23 cm	1
<b>58.32.23</b>	Micro dissector · 1.8 mm · 23 cm	1
<b>58.33.35</b>	SAMII Tumor knife · 3.0 mm · 23 cm	1
<b>58.33.42</b>	SAMII Tumor knife · Ø 3.0 mm · 23 cm	1
<b>59.20.20</b>	YASARGIL Micro scissors · bayonet · straight · 20 cm	1
<b>59.20.21</b>	YASARGIL Micro scissors · bayonet · angled · 20 cm	1
<b>59.23.10</b>	YASARGIL Micro forceps · bayonet · sharp · 0.6 mm · 23 cm	1
<b>59.23.14</b>	YASARGIL Micro forceps · bayonet · blunt · 0.9 mm · 23 cm	1
<b>49.50.10</b>	Medicontainer · silver · 290 × 290 × 100 mm	1
<b>49.97.02</b>	Wire basket · 240 × 255 × 50 mm	2
<b>49.97.72</b>	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
<b>01.28.04</b>	Scalpel handle · no 4 · standard · 13.5 cm	2
<b>03.07.84</b>	Surgical scissors · delicate · curved · sharp / blunt · 14.5 cm	1
<b>04.35.14</b>	METZENBAUM-SLIM Scissors · curved · 14 cm	1
<b>04.35.68</b>	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	1
<b>04.67.14</b>	REYNOLDS (JAMESON) Scissors · curved · 14 cm	1
<b>06.07.16</b>	Tissue forceps · slim · 1 x 2 teeth · 16 cm	2
<b>06.46.18</b>	POTTS-SMITH Dressing forceps · serrated · 18 cm	2
<b>07.63.32</b>	MICRO 2000 Forceps · straight · blunt · 0.3 mm · 14 cm	2
<b>09.60.10</b>	REDON Guide needle · slight curved · knife tip · threaded end · 10 French	1
<b>09.82.30</b>	FRAZIER Suction cannula · 10 French · straight · 12.5 cm	1
<b>09.83.80</b>	FRAZIER (FERGUSSON) Suction cannula · 10 French · angled · 18 cm	1
<b>09.83.82</b>	FRAZIER (FERGUSSON) Suction cannula · 12 French · angled · 18 cm	1
<b>10.18.65</b>	MAYO-HEGAR "HM" Needle holder · 16 cm	1
<b>10.20.68</b>	CRILE-WOOD "HM" (DEBAKEY HM) Needle holder · 18 cm	1
<b>11.18.70</b>	MATHIEU-KOCHER "HM" Needle holder · 20 cm	1
<b>15.32.09</b>	HARTMANN (BABY MOSQUITO) Hemostatic forceps · straight · 10 cm	2
<b>15.45.12</b>	HALSTED-MOSQUITO Forceps · curved · 12.5 cm	5
<b>16.40.18</b>	HALSTED (ADSON) Hemostatic forceps · straight · 18 cm	2
<b>16.85.18</b>	MIKULICZ Peritoneum forceps · 18 cm	4
<b>17.06.14</b>	MIXTER BABY Forceps · 14 cm	1
<b>17.06.19</b>	MIXTER BABY Forceps · 19 cm	1
<b>19.16.20</b>	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
<b>01.27.03</b>	Scalpel handle · no 3 · standard · 12.5 cm	2
<b>01.28.04</b>	Scalpel handle · no 4 · standard · 13.5 cm	1
<b>03.06.14</b>	Operating scissors · straight · sharp / blunt · 14.5 cm	1
<b>03.06.84</b>	Operating scissors · delicate · straight · sharp / blunt · 14.5 cm	1
<b>03.07.84</b>	Operating scissors · delicate · curved · sharp / blunt · 14.5 cm	1
<b>04.35.14</b>	METZENBAUM-SLIM Scissors · curved · 14 cm	1
<b>04.35.68</b>	METZENBAUM-SLIM "HM" Scissors · curved · 18 cm	1
<b>04.67.14</b>	REYNOLDS (JAMESON) Scissors · curved · 14 cm	1
<b>06.21.15</b>	ADSON Tissue forceps · smooth · 1 × 2 teeth · 15 cm	2
<b>06.22.15</b>	MICRO-ADSON Dressing forceps · serrated · 15 cm	2
<b>06.23.15</b>	MICRO-ADSON Tissue forceps · 1 × 2 teeth · 15 cm	2
<b>09.15.84</b>	Grooved director · curved · 14 cm	1
<b>09.60.10</b>	REDON Guide needle · slight curved · knife tip · threaded end · 10 French	1
<b>10.08.65</b>	CONVERSE "HM" Needle holder · 15 cm	1
<b>11.20.67</b>	MATHIEU "HM" Needle holder · 17 cm	1
<b>15.45.12</b>	HALSTED-MOSQUITO Forceps · curved · 12.5 cm	6
<b>16.11.16</b>	ROCHESTER-PEAN Hemostatic forceps · curved · 16 cm	2
<b>17.05.14</b>	ADSON-BABY Forceps · 14 cm	1
<b>17.55.10</b>	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**

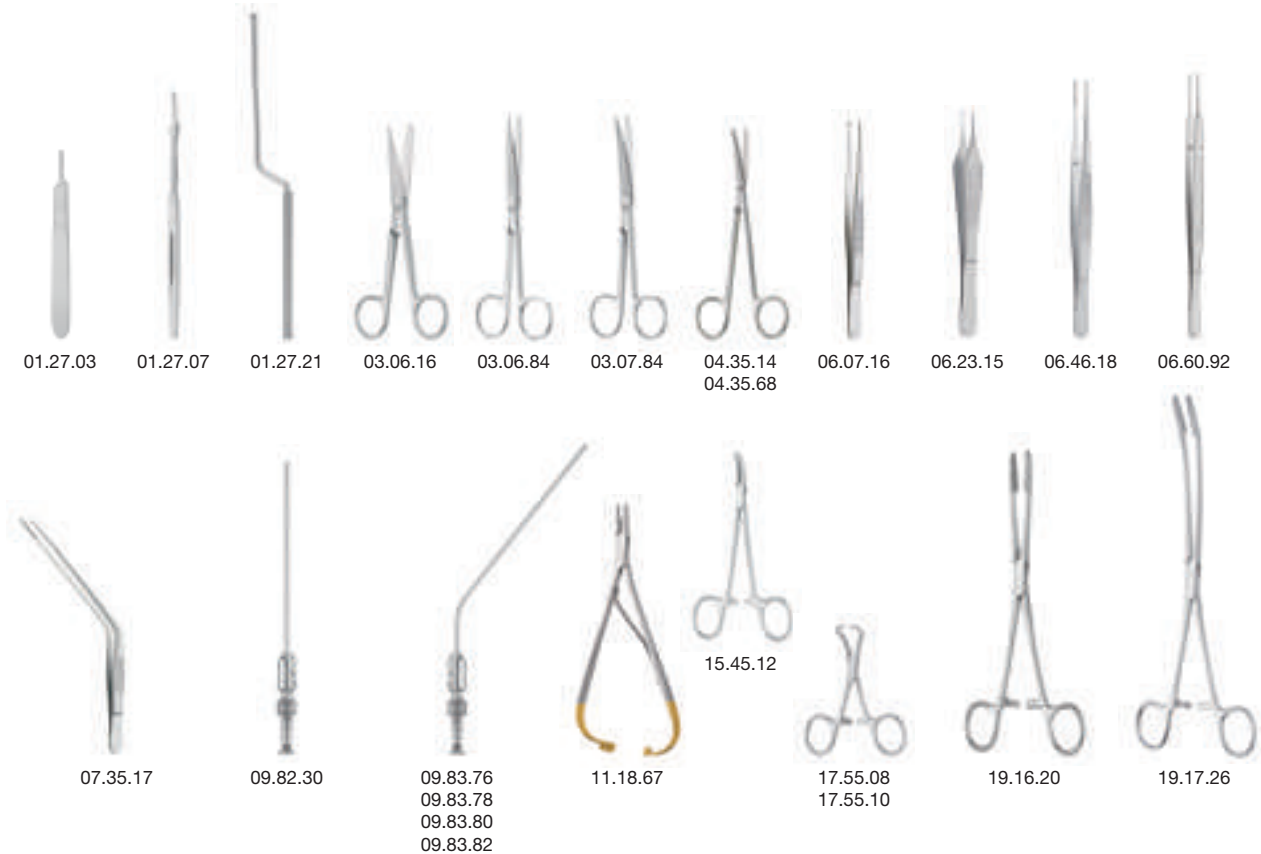


Item number	Description	Quantity
<b>19.16.20</b>	GROSS Dressing forceps · straight · 20 cm	3
<b>19.17.26</b>	MAIER Dressing forceps · curved · 26 cm	2
<b>19.19.25</b>	PELKMANN Dressing forceps · curved · 25 cm	1
<b>20.17.14</b>	CUSHING Vein hook · 14 mm · 20 cm	2
<b>20.64.04</b>	Tracheal retractor · 4 teeth · sharp · 14 mm · 16 cm	2
<b>20.65.03</b>	Tracheal retractor · 3 teeth · blunt · 10 mm · 16 cm	1
<b>20.65.04</b>	Tracheal retractor · 4 teeth · blunt · 14 mm · 16 cm	1
<b>24.05.57</b>	FINSEN Retractor with catch · sharp · 7 cm	1
<b>24.30.14</b>	WEITLANER-BECKMANN Retractor · blunt · 14.5 cm	1
<b>46.37.50</b>	Needle case · Ø 65 mm	1
<b>46.37.51</b>	Inner case only for 46.37.50	1
<b>49.50.10</b>	Medicontainer · silver · 290 × 290 × 100 mm	1
<b>49.97.01</b>	Wire basket · 240 × 255 × 30 mm	1
<b>49.97.02</b>	Wire basket · 240 × 255 × 50 mm	1
<b>49.97.72</b>	Silicon mat · distance between naps 3 mm · 240 × 220 mm	2

**PART 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**

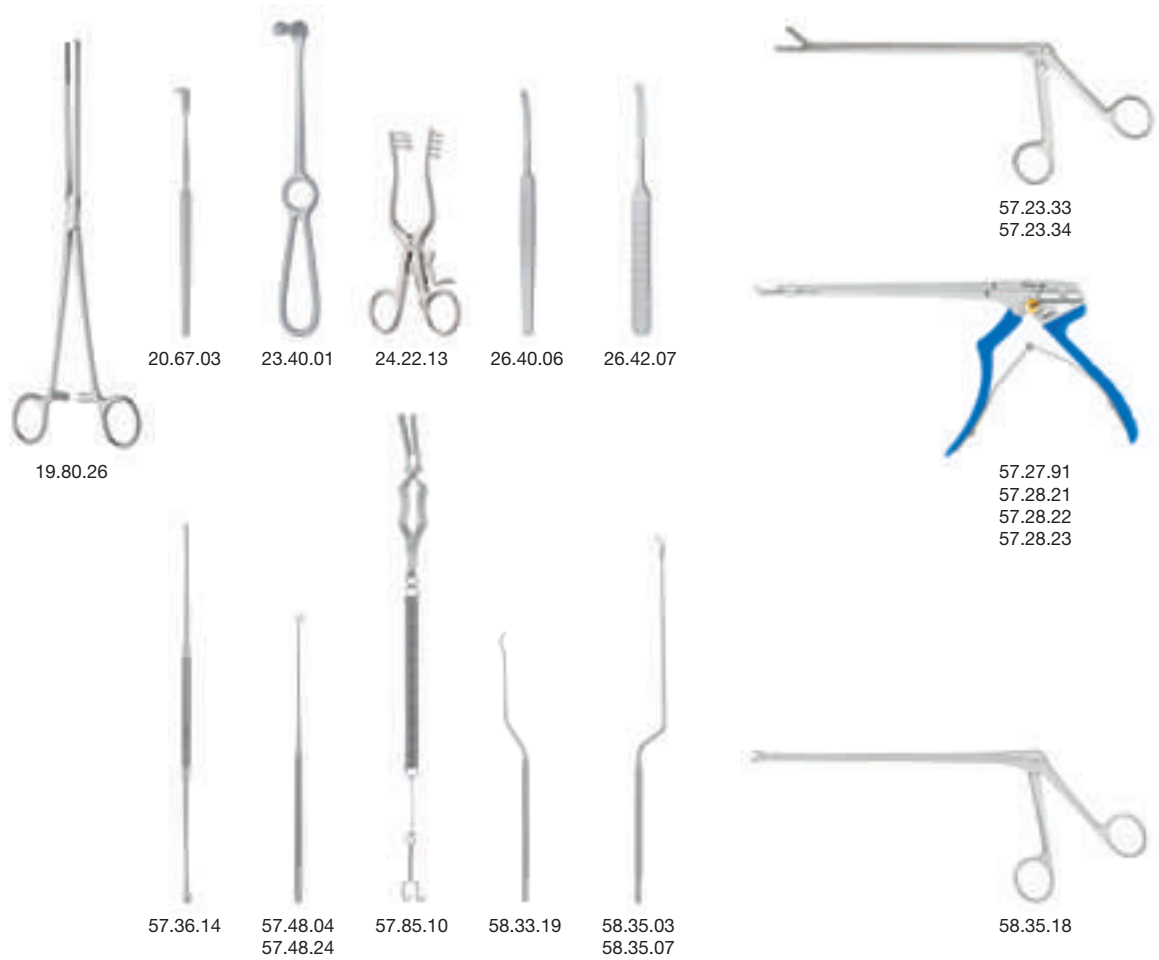
Item number	Description	Quantity
01.27.03	Scalpel handle · no 3 · standard · 12.5 cm	2
01.27.07	Scalpel handle · no 7 · long · 16.5 cm	1
01.27.21	LANDOLT Scalpel handle · bayonet · 21 cm	1
03.06.16	Operating scissors · straight · sharp / blunt · 16.5 cm	1
03.06.84	Operating scissors · delicate · straight · 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 (FERGUSON) Suction cannula · angled · 6 French · 18 cm	1
09.83.78	FRAZIER (FERGUSON) Suction cannula · angled · 8 French · 18 cm	1
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
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 transssphenoidale Hypophysektomie**  
**Set Suggestion for Transssphenoidal Hypophysectomy**  
**Proposición de juego para la hipofisectomía transesfenoidal**  
**Proposition à boîte pour l'hypophysectomie transssphénoïdale**  
**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**

58.35.44  
58.35.4658.35.49  
58.35.50

58.35.90

58.35.92

58.35.99

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58.36.27

58.45.10

58.45.40

59.24.14

59.44.73  
59.44.75

62.23.25

66.08.07


67.02.35  
67.02.55  
67.02.75

49.60.22

49.97.12

**PART 3**

Item number	Description	Quantity
<b>58.35.44</b>	HARDY Curette · malleable · Ø 4 mm · 26 cm	1
<b>58.35.46</b>	HARDY Curette · malleable · Ø 6 mm · 26 cm	1
<b>58.35.49</b>	NICOLA Curette · malleable · bayonet · right side cutting · Ø 6.5 mm · 26 cm	1
<b>58.35.50</b>	NICOLA Curette · malleable · bayonet · Ø 6.5 mm · 26 cm	1
<b>58.35.90</b>	CUSHING-LANDOLT Specula · 90 mm	1
<b>58.35.92</b>	LANDOLT Hook · malleable · 26 cm	1
<b>58.35.99</b>	LANDOLT Spreader · 21 cm	1
<b>58.36.20</b>	LANDOLT-REULEN Dissector · 2 mm · 26 cm	1
<b>58.36.25</b>	LANDOLT-REULEN Curette · Ø 2.5 mm · 26 cm	1
<b>58.36.26</b>	FAHLBUSCH Spoon · malleable · Ø 2.5 mm · 26 cm	1
<b>58.36.27</b>	FAHLBUSCH Curette · malleable · Ø 2.5 mm · 26 cm	1
<b>58.45.10</b>	NICOLA Forceps cup jaws · Ø 2 mm · 18 cm	1
<b>58.45.40</b>	NICOLA Alligator type scissors · 18 cm	1
<b>59.24.14</b>	YASARGIL Micro Forceps · bayonet · blunt · 0.9 mm · 24 cm	1
<b>59.44.73</b>	YASARGIL Grasping forceps · Ø 3 mm · 22 cm	1
<b>59.44.75</b>	YASARGIL Grasping forceps · Ø 5 mm · 22 cm	1
<b>62.23.25</b>	Suction and irrigation tube · Ø 2.5 mm / Ø 2 mm	1
<b>66.08.07</b>	KILIAN Nasal speculum · figure 3 · 75 mm · 14 cm	1
<b>67.02.35</b>	COTTLE Nasal speculum · figure 1 · 35 mm · 14 cm	1
<b>67.02.55</b>	COTTLE Nasal speculum · figure 2 · 55 mm · 14 cm	1
<b>67.02.75</b>	COTTLE Nasal speculum · figure 3 · 75 mm · 14 cm	1
<b>49.60.22</b>	Medicontainer · silver · 590 × 290 × 220 mm	1
<b>49.97.12</b>	Wire basket · 480 × 255 × 50 mm	4



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

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**CRANIALIS**

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# MEDICONTAINER CONTAINER System



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12.16.76	77	13.70.42	54	15.10.08	86	20.66.04	100
12.16.77	77	13.70.72	56	15.10.12	86	20.67.01	100
12.16.78	77	13.70.74	56	15.10.16	86	20.67.02	100
12.18.56	75	13.71.22	56	15.10.38	86	20.67.03	100
12.18.57	75	13.71.23	56	15.10.51	86	20.67.04	100
12.18.60	75	13.71.42	55	15.11.08	86	24.22.13	101
12.18.61	75	13.71.43	55	15.11.12	86	24.22.14	101
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<b>58.32.66</b>	189	<b>58.35.06</b>	261	<b>58.41.27</b>	216	<b>58.43.73</b>	220
<b>58.32.67</b>	197	<b>58.35.07</b>	262	<b>58.41.30</b>	216	<b>58.44.05</b>	52
<b>58.32.68</b>	197	<b>58.35.08</b>	262	<b>58.41.35</b>	217	<b>58.45.01</b>	260
<b>58.32.91</b>	222	<b>58.35.16</b>	257	<b>58.41.37</b>	217	<b>58.45.10</b>	258
<b>58.32.92</b>	222	<b>58.35.18</b>	258	<b>58.41.45</b>	217	<b>58.45.15</b>	258
<b>58.32.93</b>	222	<b>58.35.19</b>	262	<b>58.41.47</b>	217	<b>58.45.40</b>	260
<b>58.32.94</b>	222	<b>58.35.44</b>	253	<b>58.41.55</b>	218	<b>58.46.20</b>	259
<b>58.33.01</b>	193	<b>58.35.46</b>	253	<b>58.41.57</b>	218	<b>58.46.25</b>	259
<b>58.33.02</b>	193	<b>58.35.48</b>	253	<b>58.41.65</b>	218	<b>58.46.30</b>	259
<b>58.33.05</b>	193	<b>58.35.49</b>	253	<b>58.41.67</b>	218	<b>58.46.40</b>	22
<b>58.33.06</b>	193	<b>58.35.50</b>	254	<b>58.42.03</b>	219	<b>58.46.42</b>	22
<b>58.33.09</b>	198	<b>58.35.70</b>	263	<b>58.42.04</b>	219	<b>58.46.43</b>	22
<b>58.33.17</b>	191	<b>58.35.86</b>	254	<b>58.42.05</b>	219	<b>58.47.01</b>	176
<b>58.33.18</b>	192	<b>58.35.90</b>	263	<b>58.42.06</b>	219	<b>58.47.02</b>	176
<b>58.33.19</b>	192	<b>58.35.91</b>	263	<b>58.42.07</b>	219	<b>58.47.03</b>	176
<b>58.33.22</b>	183	<b>58.35.92</b>	255	<b>58.42.53</b>	219	<b>58.47.04</b>	176
<b>58.33.23</b>	183	<b>58.35.96</b>	254	<b>58.42.55</b>	219	<b>58.47.05</b>	216
<b>58.33.24</b>	183	<b>58.35.97</b>	256	<b>58.42.58</b>	219	<b>58.47.07</b>	216
<b>58.33.25</b>	184	<b>58.35.98</b>	256	<b>58.42.63</b>	219	<b>58.47.10</b>	216
<b>58.33.26</b>	184	<b>58.35.99</b>	263	<b>58.42.65</b>	219	<b>58.47.15</b>	217
<b>58.33.27</b>	184	<b>58.36.02</b>	184	<b>58.43.03</b>	219	<b>58.47.17</b>	217
<b>58.33.41</b>	194	<b>58.36.03</b>	184	<b>58.43.05</b>	219	<b>58.47.20</b>	217
<b>58.33.42</b>	194	<b>58.36.17</b>	255	<b>58.43.06</b>	219	<b>58.47.25</b>	216
<b>58.33.43</b>	194	<b>58.36.20</b>	255	<b>58.43.07</b>	219	<b>58.47.27</b>	216
<b>58.33.44</b>	194	<b>58.36.32</b>	256	<b>58.43.08</b>	219	<b>58.47.30</b>	216
<b>58.33.48</b>	195	<b>58.36.40</b>	264	<b>58.43.09</b>	220	<b>58.47.35</b>	217
<b>58.33.49</b>	195	<b>58.36.41</b>	264	<b>58.43.10</b>	220	<b>58.47.37</b>	217
<b>58.33.65</b>	186	<b>58.36.42</b>	264	<b>58.43.15</b>	219	<b>58.47.45</b>	217
<b>58.33.66</b>	187	<b>58.36.43</b>	264	<b>58.43.16</b>	220	<b>58.47.47</b>	217
<b>58.33.67</b>	186	<b>58.36.44</b>	257	<b>58.43.17</b>	220	<b>58.47.55</b>	218
<b>58.33.68</b>	187	<b>58.36.91</b>	223	<b>58.43.40</b>	220	<b>58.47.57</b>	218
<b>58.33.70</b>	186	<b>58.36.92</b>	223	<b>58.43.41</b>	220	<b>58.47.65</b>	218
<b>58.33.71</b>	187	<b>58.36.93</b>	223	<b>58.43.42</b>	220	<b>58.47.67</b>	218
<b>58.33.72</b>	186	<b>58.36.94</b>	223	<b>58.43.43</b>	220	<b>58.53.50</b>	214
<b>58.33.73</b>	187	<b>58.37.91</b>	223	<b>58.43.48</b>	220	<b>58.53.51</b>	214
<b>58.33.75</b>	186	<b>58.37.92</b>	223	<b>58.43.53</b>	219	<b>58.53.52</b>	214
<b>58.33.76</b>	187	<b>58.37.93</b>	223	<b>58.43.55</b>	219	<b>58.53.53</b>	214
<b>58.33.80</b>	186	<b>58.37.94</b>	223	<b>58.43.57</b>	219	<b>58.53.54</b>	214
<b>58.33.91</b>	222	<b>58.38.91</b>	223	<b>58.43.58</b>	219	<b>58.53.55</b>	214
<b>58.33.92</b>	222	<b>58.38.92</b>	223	<b>58.43.59</b>	219	<b>58.53.56</b>	214
<b>58.33.93</b>	222	<b>58.38.93</b>	223	<b>58.43.61</b>	220	<b>58.53.57</b>	214
<b>58.33.94</b>	222	<b>58.38.94</b>	223	<b>58.43.63</b>	220	<b>58.53.58</b>	214
<b>58.34.91</b>	223	<b>58.41.05</b>	216	<b>58.43.65</b>	219	<b>58.53.60</b>	215
<b>58.34.92</b>	223	<b>58.41.07</b>	216	<b>58.43.67</b>	220	<b>58.53.61</b>	215
<b>58.34.93</b>	223	<b>58.41.10</b>	216	<b>58.43.68</b>	220	<b>58.53.62</b>	215
<b>58.34.94</b>	223	<b>58.41.15</b>	217	<b>58.43.69</b>	220	<b>58.53.63</b>	215



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<b>58.53.64</b>	215	<b>58.55.20</b>	210	<b>58.56.06</b>	219	<b>58.58.12</b>	214
<b>58.53.65</b>	215	<b>58.55.28</b>	210	<b>58.56.07</b>	219	<b>58.58.15</b>	214
<b>58.53.66</b>	215	<b>58.55.30</b>	210	<b>58.56.53</b>	219	<b>58.58.17</b>	214
<b>58.53.67</b>	215	<b>58.55.32</b>	210	<b>58.56.55</b>	219	<b>58.58.21</b>	214
<b>58.53.68</b>	215	<b>58.55.36</b>	210	<b>58.56.58</b>	219	<b>58.58.25</b>	214
<b>58.53.69</b>	216	<b>58.55.37</b>	211	<b>58.56.63</b>	219	<b>58.58.27</b>	214
<b>58.53.70</b>	216	<b>58.55.38</b>	211	<b>58.56.65</b>	219	<b>58.58.31</b>	214
<b>58.53.71</b>	216	<b>58.55.39</b>	211	<b>58.56.91</b>	228	<b>58.58.37</b>	215
<b>58.53.74</b>	216	<b>58.55.40</b>	213	<b>58.56.92</b>	228	<b>58.58.39</b>	215
<b>58.53.75</b>	216	<b>58.55.41</b>	213	<b>58.56.96</b>	226	<b>58.58.42</b>	215
<b>58.53.76</b>	216	<b>58.55.42</b>	213	<b>58.56.97</b>	227	<b>58.58.45</b>	215
<b>58.53.77</b>	217	<b>58.55.43</b>	211	<b>58.56.98</b>	227	<b>58.58.47</b>	215
<b>58.53.78</b>	217	<b>58.55.44</b>	211	<b>58.56.99</b>	227	<b>58.58.51</b>	215
<b>58.53.79</b>	217	<b>58.55.45</b>	211	<b>58.57.03</b>	219	<b>58.58.55</b>	215
<b>58.53.81</b>	216	<b>58.55.46</b>	211	<b>58.57.05</b>	219	<b>58.58.57</b>	215
<b>58.53.82</b>	216	<b>58.55.47</b>	211	<b>58.57.06</b>	219	<b>58.58.61</b>	215
<b>58.53.83</b>	216	<b>58.55.48</b>	212	<b>58.57.07</b>	219	<b>58.58.65</b>	216
<b>58.53.86</b>	217	<b>58.55.49</b>	212	<b>58.57.08</b>	219	<b>58.58.67</b>	216
<b>58.53.87</b>	217	<b>58.55.50</b>	212	<b>58.57.09</b>	220	<b>58.58.71</b>	216
<b>58.53.88</b>	217	<b>58.55.51</b>	212	<b>58.57.10</b>	220	<b>58.58.98</b>	227
<b>58.53.89</b>	217	<b>58.55.52</b>	212	<b>58.57.15</b>	219	<b>58.58.99</b>	227
<b>58.53.91</b>	218	<b>58.55.55</b>	212	<b>58.57.16</b>	220	<b>58.59.06</b>	211
<b>58.53.92</b>	218	<b>58.55.57</b>	212	<b>58.57.17</b>	220	<b>58.59.09</b>	211
<b>58.53.93</b>	218	<b>58.55.58</b>	209	<b>58.57.40</b>	220	<b>58.59.12</b>	211
<b>58.53.94</b>	218	<b>58.55.60</b>	209	<b>58.57.41</b>	220	<b>58.59.17</b>	211
<b>58.54.08</b>	209	<b>58.55.62</b>	213	<b>58.57.42</b>	220	<b>58.59.20</b>	211
<b>58.54.10</b>	209	<b>58.55.63</b>	213	<b>58.57.43</b>	220	<b>58.59.50</b>	214
<b>58.54.12</b>	209	<b>58.55.64</b>	210	<b>58.57.48</b>	220	<b>58.59.51</b>	214
<b>58.54.16</b>	209	<b>58.55.65</b>	212	<b>58.57.53</b>	219	<b>58.59.52</b>	214
<b>58.54.18</b>	209	<b>58.55.66</b>	210	<b>58.57.55</b>	219	<b>58.59.53</b>	214
<b>58.54.21</b>	209	<b>58.55.67</b>	213	<b>58.57.57</b>	219	<b>58.59.54</b>	214
<b>58.54.26</b>	209	<b>58.55.68</b>	213	<b>58.57.58</b>	219	<b>58.59.55</b>	214
<b>58.54.36</b>	226	<b>58.55.71</b>	210	<b>58.57.59</b>	219	<b>58.59.56</b>	214
<b>58.54.58</b>	209	<b>58.55.72</b>	210	<b>58.57.61</b>	220	<b>58.59.57</b>	214
<b>58.54.60</b>	209	<b>58.55.80</b>	210	<b>58.57.63</b>	220	<b>58.59.58</b>	214
<b>58.54.62</b>	209	<b>58.55.81</b>	210	<b>58.57.65</b>	219	<b>58.59.60</b>	215
<b>58.54.66</b>	209	<b>58.55.86</b>	210	<b>58.57.67</b>	220	<b>58.59.61</b>	215
<b>58.54.67</b>	209	<b>58.55.87</b>	212	<b>58.57.68</b>	220	<b>58.59.62</b>	215
<b>58.54.71</b>	209	<b>58.55.89</b>	212	<b>58.57.69</b>	220	<b>58.59.63</b>	215
<b>58.54.72</b>	209	<b>58.55.90</b>	212	<b>58.57.70</b>	220	<b>58.59.64</b>	215
<b>58.54.96</b>	226	<b>58.55.91</b>	210	<b>58.57.71</b>	220	<b>58.59.65</b>	215
<b>58.54.97</b>	227	<b>58.55.92</b>	211	<b>58.57.72</b>	220	<b>58.59.66</b>	215
<b>58.54.98</b>	227	<b>58.55.93</b>	212	<b>58.57.73</b>	220	<b>58.59.67</b>	215
<b>58.54.99</b>	227	<b>58.55.94</b>	211	<b>58.58.01</b>	225	<b>58.59.68</b>	215
<b>58.55.08</b>	209	<b>58.55.95</b>	211	<b>58.58.02</b>	225	<b>58.59.69</b>	216
<b>58.55.10</b>	209	<b>58.55.96</b>	212	<b>58.58.03</b>	225	<b>58.59.70</b>	216
<b>58.55.12</b>	210	<b>58.56.03</b>	219	<b>58.58.04</b>	225	<b>58.59.71</b>	216
<b>58.55.16</b>	210	<b>58.56.04</b>	219	<b>58.58.07</b>	214	<b>58.59.74</b>	216
<b>58.55.17</b>	210	<b>58.56.05</b>	219	<b>58.58.09</b>	214	<b>58.59.75</b>	216

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<b>58.59.76</b>	216	<b>58.60.67</b>	209	<b>58.61.91</b>	210	<b>58.65.21</b>	213
<b>58.59.77</b>	217	<b>58.60.71</b>	209	<b>58.61.92</b>	211	<b>58.65.25</b>	212
<b>58.59.78</b>	217	<b>58.60.72</b>	209	<b>58.61.93</b>	212	<b>58.65.29</b>	213
<b>58.59.79</b>	217	<b>58.61.08</b>	209	<b>58.61.94</b>	211	<b>58.65.31</b>	213
<b>58.59.81</b>	216	<b>58.61.10</b>	209	<b>58.61.95</b>	211	<b>58.65.37</b>	213
<b>58.59.82</b>	216	<b>58.61.12</b>	210	<b>58.61.96</b>	212	<b>58.65.41</b>	213
<b>58.59.83</b>	216	<b>58.61.16</b>	210	<b>58.61.98</b>	227	<b>58.65.49</b>	213
<b>58.59.85</b>	212	<b>58.61.17</b>	210	<b>58.61.99</b>	227	<b>58.66.00</b>	229
<b>58.59.86</b>	217	<b>58.61.20</b>	210	<b>58.63.05</b>	212	<b>58.66.03</b>	229
<b>58.59.87</b>	217	<b>58.61.28</b>	210	<b>58.63.06</b>	211	<b>58.66.06</b>	229
<b>58.59.88</b>	217	<b>58.61.30</b>	210	<b>58.63.07</b>	212	<b>58.66.09</b>	229
<b>58.59.89</b>	217	<b>58.61.32</b>	210	<b>58.63.08</b>	213	<b>59.16.20</b>	27
<b>58.59.91</b>	218	<b>58.61.36</b>	210	<b>58.63.09</b>	211	<b>59.16.21</b>	27
<b>58.59.92</b>	218	<b>58.61.37</b>	211	<b>58.63.10</b>	212	<b>59.18.10</b>	49
<b>58.59.93</b>	218	<b>58.61.38</b>	211	<b>58.63.12</b>	211	<b>59.18.14</b>	49
<b>58.59.94</b>	218	<b>58.61.39</b>	211	<b>58.63.17</b>	211	<b>59.18.16</b>	47
<b>58.59.98</b>	228	<b>58.61.40</b>	213	<b>58.63.20</b>	211	<b>59.19.10</b>	45
<b>58.59.99</b>	228	<b>58.61.41</b>	213	<b>58.63.21</b>	213	<b>59.19.11</b>	45
<b>58.60.00</b>	232	<b>58.61.42</b>	213	<b>58.63.25</b>	212	<b>59.19.12</b>	45
<b>58.60.01</b>	230	<b>58.61.43</b>	211	<b>58.63.29</b>	213	<b>59.19.13</b>	45
<b>58.60.02</b>	231	<b>58.61.44</b>	211	<b>58.63.31</b>	213	<b>59.19.14</b>	45
<b>58.60.03</b>	231	<b>58.61.45</b>	211	<b>58.63.37</b>	213	<b>59.19.15</b>	45
<b>58.60.04</b>	231	<b>58.61.46</b>	211	<b>58.63.41</b>	213	<b>59.19.16</b>	45
<b>58.60.05</b>	232	<b>58.61.47</b>	211	<b>58.63.49</b>	213	<b>59.19.17</b>	45
<b>58.60.08</b>	209	<b>58.61.48</b>	212	<b>58.64.07</b>	214	<b>59.19.18</b>	45
<b>58.60.10</b>	209	<b>58.61.49</b>	212	<b>58.64.09</b>	214	<b>59.19.19</b>	45
<b>58.60.12</b>	209	<b>58.61.50</b>	212	<b>58.64.12</b>	214	<b>59.20.10</b>	49
<b>58.60.16</b>	209	<b>58.61.51</b>	212	<b>58.64.15</b>	214	<b>59.20.14</b>	49
<b>58.60.18</b>	209	<b>58.61.52</b>	212	<b>58.64.17</b>	214	<b>59.20.16</b>	49
<b>58.60.21</b>	209	<b>58.61.55</b>	212	<b>58.64.21</b>	214	<b>59.20.18</b>	49
<b>58.60.26</b>	209	<b>58.61.57</b>	212	<b>58.64.25</b>	214	<b>59.20.20</b>	27
<b>58.60.31</b>	225	<b>58.61.58</b>	209	<b>58.64.27</b>	214	<b>59.20.21</b>	27
<b>58.60.32</b>	225	<b>58.61.60</b>	209	<b>58.64.31</b>	214	<b>59.20.23</b>	27
<b>58.60.33</b>	225	<b>58.61.62</b>	213	<b>58.64.37</b>	215	<b>59.20.30</b>	27
<b>58.60.34</b>	225	<b>58.61.63</b>	213	<b>58.64.39</b>	215	<b>59.20.31</b>	27
<b>58.60.41</b>	225	<b>58.61.64</b>	210	<b>58.64.42</b>	215	<b>59.20.40</b>	78
<b>58.60.42</b>	225	<b>58.61.65</b>	212	<b>58.64.45</b>	215	<b>59.20.45</b>	78
<b>58.60.43</b>	225	<b>58.61.66</b>	210	<b>58.64.47</b>	215	<b>59.23.10</b>	50
<b>58.60.44</b>	225	<b>58.61.67</b>	213	<b>58.64.51</b>	215	<b>59.23.14</b>	50
<b>58.60.45</b>	221	<b>58.61.68</b>	213	<b>58.64.55</b>	215	<b>59.23.20</b>	28
<b>58.60.46</b>	221	<b>58.61.71</b>	210	<b>58.64.57</b>	215	<b>59.23.21</b>	28
<b>58.60.51</b>	225	<b>58.61.72</b>	210	<b>58.64.61</b>	215	<b>59.23.30</b>	28
<b>58.60.52</b>	225	<b>58.61.80</b>	210	<b>58.64.65</b>	216	<b>59.23.31</b>	28
<b>58.60.53</b>	225	<b>58.61.81</b>	210	<b>58.64.67</b>	216	<b>59.23.40</b>	28
<b>58.60.54</b>	225	<b>58.61.85</b>	212	<b>58.64.71</b>	216	<b>59.23.41</b>	28
<b>58.60.58</b>	209	<b>58.61.86</b>	210	<b>58.65.05</b>	212	<b>59.23.42</b>	78
<b>58.60.60</b>	209	<b>58.61.87</b>	212	<b>58.65.07</b>	212	<b>59.23.45</b>	78
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