

NEUROCHIRURGIE

NEUROSURGERY



NEUROCHIRURGIA

NEUROCIRUGÍA

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29



Dieser Katalog bleibt ausschließliches Eigentum von CEATEC.
Lieferbedingungen finden Sie in unserer jeweilig gültigen Preisliste.

*This Catalogue remains exclusive property of CEATEC.
Our "Terms of Sale" are listed in our latest price list.*

Questo catalogo rimane esclusivamente proprietà di CEATEC.
Le condizioni di fornitura sono contenute nell'ultimo listino prezzi.

*Este Catálogo queda exclusiva propiedad de CEATEC.
Nuestras condiciones de venta están incluidas en la lista de precios actual.*

© CEATEC Medizintechnik GmbH & Co. KG / 11-2010
Technische Änderungen vorbehalten.
Gedruckt in der Bundesrepublik Deutschland.

© CEATEC Medizintechnik GmbH & Co. KG / 11-2010
*We reserve the right of technical modifications.
Printed in Germany.*

© CEATEC Medizintechnik GmbH & Co. KG / 11-2010
Con riserve di modifiche tecniche.
Stampato nella Repubblica Federale Tedesca.

© CEATEC Medizintechnik GmbH & Co. KG / 11-2010
*Reservado el derecho de efectuar modificaciones técnicas.
Impreso en Alemania.*

Tuttlingen, eine idyllische Kreisstadt (mit ca. 34.500 Einwohnern), gelegen zwischen dem Schwarzwald im Westen und dem Bodensee im Südosten.

Tuttlingen wurde im Jahre 797 n. Chr. zum ersten Mal urkundlich erwähnt.

Tuttlingen, is a small city with a population of 34.500, located between the Black Forest to the west and the Lake of Constance to the south-east.

Tuttlingen was officially first mentioned in 797 a.C.

Tuttlingen, una città idillica (capoluogo con ca. 34.500 abitanti) situata tra la Foresta Nera ad ovest ed il Lago di Costanza a sudest.

Tuttlingen, fu per la prima volta documentata nell'anno 797 d.C.

Tuttlingen, una ciudad idílica, capital de distrito (con aproximadamente 34.500 habitantes), situada entre la Selva Negra al oeste y el Lago de Constanza al sureste.

Tuttlingen fue citad por primera vez en documentos en el año 797 D.C.



Kurze Wegbeschreibung:

Von Süden kommend, erreichen Sie uns über Zürich - Autobahn (A 81) Richtung Stuttgart - Abfahrt Geisingen (B 311), oder von Westen, über Freiburg - Bundesstraße (B 31/B 311).

How to find us:

Coming from the South, you can reach us from Zurich - Motorway/Highway (A 81) - direction Stuttgart, Motorway/Highway exit Geisingen - direction Tuttlingen (B 311), Coming from the West, you can reach us from Freiburg direction Titisee-Neustadt (B 31), Geisingen (B 311), Tuttlingen/Wurmlingen.

Come raggiungerci:

Da sud attraversando Zürich - ed imboccando l'autostrada (A 81) in direzione Stuttgart - uscita Geisingen - (B 311), oppure attraverso Freiburg percorrendo la statale (B 31/B 311).

Descripción corta:

Llegando por el sur, usted nos encuentra a través de la autopista-Zürich - en dirección a Stuttgart (A 81) - salida Geisingen - (B 311), o viniendo del oeste por Freiburg - carretera federal (B 31/B 311).





Unsere Firmenphilosophie

Für alle verpflichtend:

Der Kunde steht im Mittelpunkt

- ★ Der Kunde ist die wichtigste Person für unser Unternehmen, egal ob er anwesend ist, ob er schreibt oder anruft.
- ★ Er ist nicht von uns abhängig, sondern wir von ihm.
- ★ Er stört uns nicht bei der Arbeit, sondern ist in Sinn und Zweck ihr Inhalt.
- ★ Er ist kein Fremder, sondern ein lebender Bestandteil unseres Geschäfts. Wenn wir seine Wünsche erfüllen, tun wir ihm keinen Gefallen. Er tut uns einen Gefallen, wenn er sich seine Wünsche durch uns erfüllen läßt.
- ★ Er ist keine Nummer, sondern ein Mensch aus Fleisch und Blut. Mit Eigenschaften und Stimmungen, wie auch wir sie haben.
- ★ Er kommt nicht zu uns, um Streitgespräche zu führen oder seine Intelligenz messen zu lassen. Aber er hat das Recht, seine Meinung zu äußern.
- ★ Er legt uns seine Wünsche vor. Unsere Aufgabe ist es, diese Wünsche sowohl für ihn als auch für uns gewinnbringend zu erfüllen.

Our Company Philosophy

Our obligations:

The customer is the our first priority

- ★ *The customer is the most important person for our company, whether he is present, writes or calls.*
- ★ *He is not dependent on us - we depend on him.*
- ★ *He does not interrupt our work, but is the reason and purpose of it.*
- ★ *He is not a stranger, but a living part of our business. If we comply with his requests, we are not doing him a favour. He is doing us a favour in letting us fulfill his wishes.*
- ★ *He is not just a number, but a person with characteristics and moods, just like us.*
- ★ *He doesn't come to us to argue or to partake in a combat of intelligence. However, he has the right to voice his opinion.*
- ★ *He presents his case and requirements. It is our job to fulfill his requirements profitably - for him and for us.*

Filosofia della nostra impresa

Vale per tutti:

Il cliente é al centro della nostra attenzione

- ★ Il cliente é la persona piú importante per la nostra azienda - che sia presente, che telefoni o che scriva.
- ★ Il cliente non dipende da noi, ma noi dal nostro cliente.
- ★ Il cliente non ci disturba durante il nostro lavoro, ma lui é l'obiettivo e la ragione per il nostro lavoro.
- ★ Il cliente non é un estraneo, ma un componente vivo dei nostri affari. Se noi soddisfacciamo i suoi desideri, non gli facciamo un favore. Lui fa un favore a noi, se ci permette di soddisfare le sue esigenze.
- ★ Il cliente non é un numero, ma un essere umano fatto di carne e sangue. Ha delle caratteristiche ed umori come l'abbiamo anche noi.
- ★ Il cliente non viene da noi per fare dibattiti o per misurare la sua intelligenza. Però lui ha il diritto di esprimere la sua opinione.
- ★ Il cliente ci sottopone le sue esigenze. È il nostro obbligo di soddisfare queste esigenze in modo fruttuoso per ambedue le parti.

Nuestra filosofía de empresa

Válido para todos:

El cliente: nuestro centro de atencion

- ★ *El cliente es la persona más importante para nuestra empresa, sea por teléfono, por correspondencia o personalmente.*
- ★ *Él no depende de nosotros, sino que somos nosotros los que dependemos de él.*
- ★ *No nos molesta en nuestro trabajo, sino que es el sentido y la finalidad de éste.*
- ★ *Él no es ningún extranjero, sino un componente vivo de nuestro negocio. Cuando cumplimos sus deseos no le estamos haciendo ningún favor. Él nos hace un favor cuando nos deja ser los que cumplamos sus deseos.*
- ★ *El cliente no es ningún número. Es una person de carne y hueso. Con cualidades y estados de ánimo, como nosotros también tenemos.*
- ★ *Él no se dirige a nosotros para mantener discusiones o medir su in teligencia. Pero, tiene todo el derecho a darnos su opinión.*
- ★ *Nuestro cliente nos muestra sus deseos. Nuestra tarea es cuplir éstos de forma provechosa tanto para él como para nosotros.*



CEATEC ist ein kleines Familienunternehmen (gegründet 1995) mit Sitz in Wurmlingen bei Tuttlingen. CEATEC hat sich auf den Vertrieb von hochwertigen Instrumenten "Made in Germany" spezialisiert. Der Gründer und seine Mitarbeiter können auf eine 30jährige Erfahrung in der Medizintechnik im internationalen Wettbewerb zurückblicken. Unsere Prämissen sind:

- QUALITÄT - SICHERHEIT - VERTRAUEN - SERVICE -

Durch unsere hohen Qualitätsansprüche garantieren wir eine Langlebigkeit und ein im Preis - Leistungsverhältnis kostengünstiges Produkt. In den Mittelpunkt unserer Tätigkeit setzen wir die Forderungen und Notwendigkeiten unserer Kunden.

CEATEC is a small family company (founded in 1995) located in Wurmlingen close to Tuttlingen. CEATEC is specialized in the distribution of high quality surgical instruments "Made in Germany". The company's founder, and also the members of staff, can look back on more than 30 years of experience in the international market. Our objectives are:

- QUALITY - PRODUCT SAFETY - TRUST - SERVICE -

In consideration of our high quality expectations, we are in a position to guarantee, constitutes a longlife, quality product at a low price. Our activities revolve around our customers demands and requirements.

CEATEC è una piccola impresa familiare (fondata nel 1995) con sede a Wurmlingen, vicino a Tuttlingen la quale si è specializzata nella vendita di strumenti ad alto livello "Made in Germany". Il suo fondatore ed i suoi collaboratori vantano una trentennale esperienza nel campo tecnico medicale a livello internazionale. I nostri obiettivi sono:

- QUALITÀ - SICUREZZA - FIDUCIA - SERVIZIO -

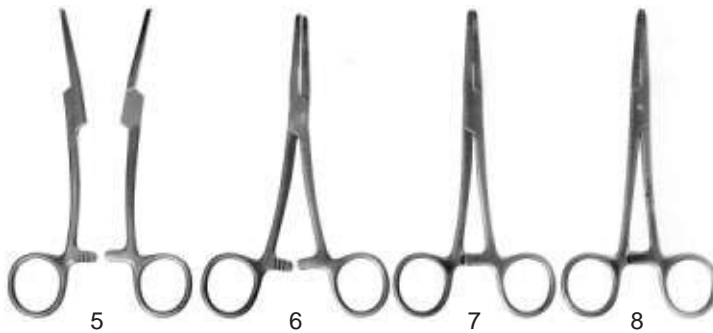
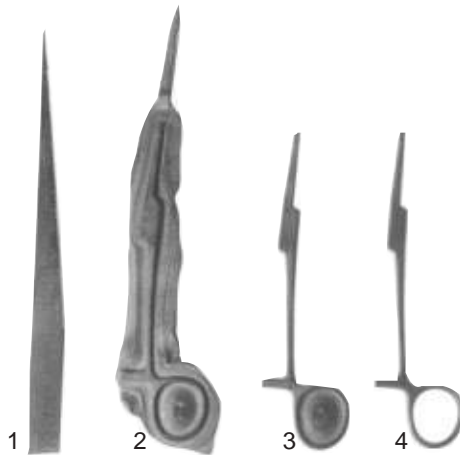
Grazie all'alto livello qualitativo dei nostri prodotti ne assicuriamo una lunga durata nel tempo e di conseguenza ne garantiamo la convenienza in un ottimale rapporto qualità prezzo. Nel centro delle nostre attività mettiamo le richieste e le necessità dei nostri clienti.

CEATEC es una pequeña empresa familiar (fundada en el año 1995) con sede en Wurmlingen al lado de Tuttlingen. Se ha especializado en la distribución de instrumental quirúrgico de alta calidad "Made in Germany". El fundador y sus colaboradores tienen una experiencia de más de treinta años en el sector de equipos médicos a nivel internacional. Nuestros objetivos son:

- CALIDAD - SEGURIDAD - SERVICIO - CONFIANZA -

Gracias al alto nivel de calidad de nuestros productos, les aseguramos una larga duración de vida y por consecuencia les garantizamos la ventaja de una óptima relación entre calidad y precio de nuestros productos. En el centro de nuestras actividades ponemos las exigencias y las necesidades de nuestros clientes.

Werdegang eines Instrumentes (z.B. Arterienklemme)
 Stages of an instrument (using a haemostatic forceps as an example)
 Fasi di produzione di uno strumento (p.e. Pinza Emostatica)
 El proceso de fabricación de un instrumento (p.e. Pinza Hemostática)



1. Spalten von flachen Stahlstangen.
Splitting of a flat steel rod.
 Spaccare le barre di ferro.
El partir barras de acero planas.
2. Abgraten: Instrument wird ausgestochen.
Removal of flash: Instrument is stamped out.
 Lo strumento: Materia prima.
Instrumento: Materias primas.
3. Rohling.
Raw instrument.
 Lo strumento grezzo - senza bordi.
La pieza de partida.
4. Fräsen: Sperre, Schluß, Maul.
Milling: ratchet, box lock, jaw area.
 Fresature: cremagliera, incastro, morso.
El fresado: cremallera, engaste, boca.
5. Zusammenfügen der beiden Instrumententeile.
Both parts fitted together.
 Collegamento delle due parti dello strumento.
El ensamblar las dos partes del instrumento.
6. Verschiedene Handarbeiten.
Instrument adjusted by hand.
 Vari lavorazioni a mano.
Diversos procesos manuales.
7. Feilen.
Filing.
 Limare.
Limar.
8. Schleifen.
Grinding.
 Affilare.
Afilar.
9. Schluß vorbohren für Stift oder Schraube.
Joint drilled for screw or rivet.
 Forare l'incastro per un perno o vite.
Perforación previa para espiga o tornillo.
10. Härten.
Hardening.
 Tempra.
Templar.
11. Polieren.
Polishing.
 Prima brunitura.
Pulir.
12. Mattieren (bürsten oder sandstrahlen).
Satin finish (brushed or sand blasted).
 Opachizzare (spazzolare o sabbiare).
Matear (cepillar o arenar).
13. Elektropolieren.
Electro polishing.
 Brunitura ad ultrasuono.
Pulimentación electrolítica.
14. Auswaschen.
Washing.
 Pulire.
Lavar.
15. Ölen.
Oiling.
 Lubrificare.
Aceitar.
16. Fertiges Instrument.
Finished instrument.
 Strumento finito.
Instrumento terminado.

Fabrikneue chirurgische Instrumente sind vor der ersten Sterilisation zu reinigen.

Arterienklemmen müssen im geöffnetem Zustand gereinigt werden.

Vor dem Sterilisieren, d.h. beim Zusammenstellen der Operationssiebe sollte die Rastensperre nur im ersten Zahn geschlossen werden, dadurch wird vermieden, daß die Instrumente während der Sterilisation (Temperaturerhöhung auf 134°C) unter Spannung stehen und Spannungsrisse im Schluß auftreten.

Das Zureichen während der OP wird erleichtert.

Sterilisation ist kein Ersatz für Sauberkeit!

Brand new surgical instruments should be cleaned before they are sterilized.

Haemostatic forceps should be open at the jaw end when they are cleaned.

Before the instruments are put into the sterilization tray, the ratchet should be fixed into the first notch. This is done to prevent tension or even tension cracks in the joint area during sterilization (temperatures of up to 134°C).

Serving the instruments during the operation is made easier.

Sterilization does not replace cleanliness!

Nuovi strumenti chirurgici, primo della prima sterilizzazione debbono essere lavati.

Le pinze emostatiche debbono essere pulite in posizione aperta.

Prima della sterilizzazione, quindi durante la composizione dei set operativi, la cremagliera delle pinze emostatiche dovrebbe essere chiusa solo nel primo scatto. Così, si evita che gli strumenti siano sotto pressione durante la sterilizzazione (aumento di temperatura fino a 134°C) e ciò potrebbe infatti causare delle screpolature di tensione sull'incastro dello strumento.

Durante l'intervento, il passaggio degli strumenti al chirurgo é piu facile.

La sterilizzazione non sostituisce la pulizia!

Los instrumentos quirúrgicos nuevos deben ser limpiados antes de la primera esterilización.

Las pinzas hemostáticas deben ser limpiadas abiertas.

Antes de la esterilización, es decir al colocar juntos los tamicos de operación, se debe colocar la muesca de retención en el primer diente, para eviar que durante la esterilización los instrumentos (elevación de la temperatura a 134°C) estén bajo tensión y se presenten rajaduras.

El pasar los instrumentos durante la operación es facilitado.

La esterilización no es sustituto de la limpieza!

**Resultate unsachgemäßer Behandlungen - Results for improper preparation -
Risultati di trattamenti non conformi - Resultados del tratamiento inadecuado**



Internal korrodierender Spannungsriß
Internal corroding tension crack
Incrinatura da tensioni interne corrosa
Corrosión en grietas internas por tensión



Perforierende Korrosion verursacht durch Chloride
Perforating corrosion due to chloride
Corrosione perforante causata da cloruri
Corrosión perforante causada por cloruro



Es gibt kaum etwas auf dieser Welt, das nicht irgend jemand ein wenig schlechter machen und etwas billiger verkaufen könnte, und die Menschen, die sich nur am Preis orientieren, werden die gerechte Beute solcher Machenschaften.

Es ist unklug, zu viel zu bezahlen, aber es ist noch schlechter, zu wenig zu bezahlen. Wenn Sie zu viel bezahlen, verlieren Sie etwas Geld, das ist alles. Wenn Sie dagegen zu wenig bezahlen, verlieren Sie manchmal alles, da der gekaufte Gegenstand die ihm zugedachte Aufgabe nicht erfüllen kann.

Das Gesetz der Wirtschaft verbietet es, für wenig Geld viel Wert zu erhalten. Nehmen Sie das niedrigste Angebot an, müssen Sie für das Risiko, das Sie eingehen, etwas hinzurechnen. Und wenn Sie das tun, dann haben Sie auch genug Geld, um für etwas Besseres zu bezahlen.

John Ruskin
engl. Sozialreformer (1819-1900)

There is nothing in this world, that someone could not make worse to enable it to be sold for less, and thus people who orientate themselves solely by price, are worthy victims of this phenomenon.

It is unwise, to pay too much, but it is even worse to pay too little. If you pay too much, you loose a little money, that is all. If you pay too little, you sometimes loose everything, as the purchased item does not fulfill the purpose it was originally purchased for.

The law of economics forbids us to obtain high value for a low price. If you accept the lowest offer, you have to accept the risk that you may have to pay more. Should you accept this risk, then you certainly have enough money to purchase something better to begin with.

John Ruskin
engl. social reformer (1819-1900)

Non esiste cosa a questo mondo che non possa essere offerta in qualità inferiore e che possa essere venduta ad un prezzo più conveniente. Le persone, che si orientano solo secondo il prezzo, diventano la giusta preda di queste macchinazioni.

Non è intelligente, pagare troppo, ma è ancora peggio pagare troppo poco. Quando pagate troppo, perdete un po' di denaro, questo è tutto. Quando al contrario pagate troppo poco perdete talvolta tutto, perchè l'oggetto comprato non soddisfa i fini per cui era stato concepito.

Le leggi dell'economia proibiscono di ottenere molto valore in cambio di poco denaro. Quando scegliete l'offerta più bassa, dovete calcolare sempre qualcosa in più per il rischio a cui andate incontro.

E, se fate questo, allora avete abbastanza denaro per pagare qualcosa di miglior qualità.

John Ruskin
Riformatore Sociale ingl. (1819-1900)

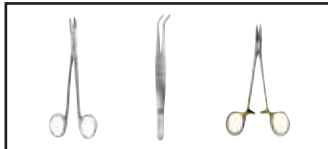







Non existe apenas ninguna cosa en este mundo que no se pueda ofrecer en calidad inferior y que no se pueda vender a un precio más conveniente. Las personas que sólomente se orientan por el precio, serán la justa presa de estas maquinaciones.

No es inteligente pagar demasiado, pero es aún peor pagar demasiado poco. Cuando pagáis demasiado, perdéis un poco de dinero, esto es todo. Cuando al contrario pagáis demasiado poco, perdéis a veces todo, porque el objeto comprado no puede satisfacer el fin para el cual era destinado.

La ley de la economía prohíbe obtener mucho valor al cambio de poco dinero. Si aceptáis la oferta más baja, siempre teneis que calcular un poco más alto para cubrir el riesgo que enfrentáis.

Y si actuáis de esta manera, entonces tenéis bastante dinero para pagar una cosa de mejor calidad.

John Ruskin
Reformador social ingl. (1819-1900)

<p>ALLGEMEINES INSTRUMENTARIUM <i>GENERAL INSTRUMENTS</i> STRUMENTARIO GENERALE <i>INSTRUMENTAL GENERAL</i></p>	<p>Seite 1 - 74 Page 1 - 74 Pagina 1 - 74 Páginas 1 - 74</p>	
<p>KOPF-SCHÄDEL INSTRUMENTE <i>HEAD-CRANIO INSTRUMENTS</i> STRUMENTI PER IL CRANIO <i>INSTRUMENTAL PARA EL CRANIO</i></p>	<p>Seite 75 - 98 Page 75 - 98 Pagina 85 - 98 Páginas 75 - 98</p>	
<p>ANEURYSMEN CLIP SYSTEM <i>ANEURYSM CLIP SYSTEM</i> CLIP PER ANEURISMA <i>CLIP PARA ANEURISMA</i></p>	<p>Seite 99 - 124 Page 99 - 124 Pagina 99 - 124 Páginas 99 - 124</p>	
<p>HYPOPHYSEKTOMIE INSTRUMENTE <i>PITUITARY INSTRUMENTS</i> STRUMENTI PER IPOFISECTOMIA <i>INSTRUMENTAL PARA HIPOFISECTOMIA</i></p>	<p>Seite 125 - 140 Page 125 - 140 Pagina 125 - 140 Páginas 125 - 140</p>	
<p>MICRO INSTRUMENTE <i>MICRO INSTRUMENTS</i> STRUMENTI PER MICROCHIRURGIA <i>INSTRUMENTAL PARA MICROCHIRURGÍA</i></p>	<p>Seite 141 - 214 Page 141 - 214 Pagina 141 - 214 Páginas 141 - 214</p>	
<p>NEUROCHIRURGISCHE INSTRUMENTE <i>NEUROSURGICAL INSTRUMENTS</i> STRUMENTI PER NEUROCHIRURGIA <i>INSTRUMENTAL PARA NEUROCHIRURGÍA</i></p>	<p>Seite 215 - 256 Page 215 - 256 Pagina 215 - 256 Páginas 215 - 256</p>	
<p>LAMINEKTOMIE STANZEN & RONGEURS <i>LAMINECTOMY PUNCHES & RONGEURS</i> PINZE PER LAMINECTOMIA & RONGEURS <i>PINZAS PARA LAMINECTOMÍA & RONGEURS</i></p>	<p>Seite 257 - 292 Page 257 - 292 Pagina 257 - 292 Páginas 257 - 292</p>	
<p>WIRBELSÄULENINSTRUMENTE & IMPLANTATE <i>SPINE INSTRUMENTS & IMPLANTS</i> STRUMENTI PER COLONNA VERTEBRALE & IMPIANTATI <i>INSTRUMENTAL PARA COLUMNA VERTEBRAL & IMPLANTES</i></p>	<p>Seite 293 - 332 Page 293 - 332 Pagina 293 - 332 Páginas 293 - 332</p>	
<p>SET VORSCHLÄGE <i>PROPOSALS FOR SETS</i> PROPOSTA PER SET <i>PROPUESTAS PARA JUEGOS</i></p>	<p>Seite 333 - 342 Page 333 - 342 Pagina 333 - 342 Páginas 333 - 342</p>	<p>SETS</p>



ALLGEMEINES INSTRUMENTARIUM
GENERAL INSTRUMENTS



STRUMENTARIO GENERALE
INSTRUMENTAL GENERAL



Chirurgische Scheren
Operating Scissors
Forbici per chirurgia
Tijeras para cirugía



STANDARD
AA 100.10 - AA 100.20

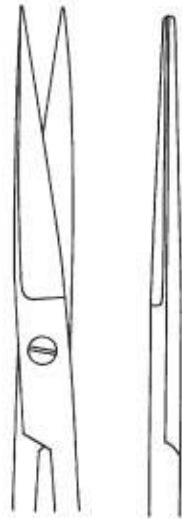
AA 100.10 100mm / 4"	AA 100.11 110mm / 4"	AA 100.13 130mm / 5"	AA 100.14 140mm / 5"
AA 100.15 150mm / 6"	AA 100.16 160mm / 6"	AA 100.18 180mm / 7"	AA 100.20 200mm / 8"



STANDARD
AA 102.10 - AA 102.20

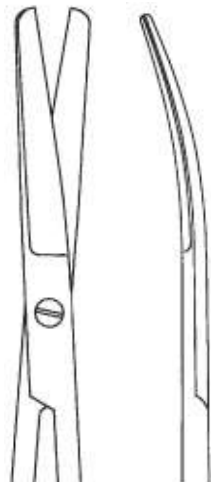
AA 102.10 100mm / 4"	AA 102.11 110mm / 4"	AA 102.13 130mm / 5"	AA 102.14 140mm / 5"
AA 102.15 150mm / 6"	AA 102.16 160mm / 6"	AA 102.18 180mm / 7"	AA 102.20 200mm / 8"





STANDARD
 AA 104.10 - AA 104.20

AA 104.10 100mm / 4"	AA 104.11 110mm / 4½"	AA 104.13 130mm / 5"	AA 104.14 140mm / 5½"
AA 104.15 150mm / 6"	AA 104.16 160mm / 6½"	AA 104.18 180mm / 7"	AA 104.20 200mm / 8"



STANDARD
 AA 105.10 - AA 105.20

AA 105.10 100mm / 4"	AA 105.11 110mm / 4½"	AA 105.13 130mm / 5"	AA 105.14 140mm / 5½"
AA 105.15 150mm / 6"	AA 105.16 160mm / 6½"	AA 105.18 180mm / 7"	AA 105.20 200mm / 8"



Chirurgische Scheren
Operating Scissors
Forbici per chirurgia
Tijeras para cirugía



General Instruments



STANDARD
AA 107.11 - AA 107.20

AA 107.11 110mm / 4½"	AA 107.13 130mm / 5"	AA 107.14 140mm / 5½"	AA 107.15 150mm / 6"
AA 107.16 160mm / 6½"	AA 107.18 180mm / 7"	AA 107.20 200mm / 8"	

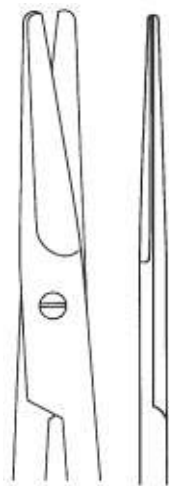


STANDARD
AA 109.11 - AA 109.20

AA 109.11 110mm / 4½"	AA 109.13 130mm / 5"	AA 109.14 140mm / 5½"	AA 109.15 150mm / 6"
AA 109.16 160mm / 6½"	AA 109.18 180mm / 7"	AA 109.20 200mm / 8"	



MAYO
AA 170.14 - AA 171.23

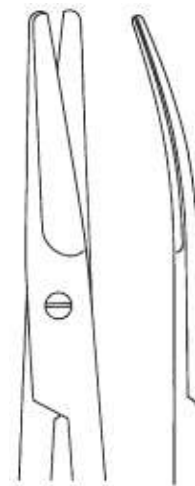


AA 170.14
 140mm / 5½"

AA 170.15
 150mm / 6"

AA 170.17
 170mm / 6¾"

AA 170.23
 230mm / 9"



AA 171.14
 140mm / 5½"

AA 171.15
 150mm / 6"

AA 171.17
 170mm / 6¾"

AA 171.23
 230mm / 9"

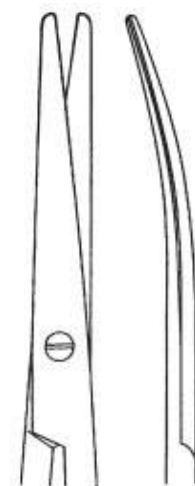


MAYO - STILLE
AA 180.15 - AA 181.17



AA 180.15
 150mm / 6"

AA 180.17
 170mm / 6¾"



AA 181.15
 150mm / 6"

AA 181.17
 170mm / 6¾"

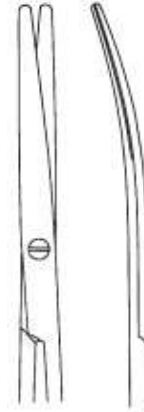




Präparierscheren
Operating Scissors
Forbici per dissezione
Tijeras para preparaciones

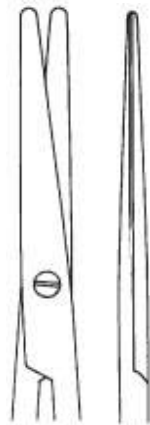


AA 250.14
140mm / 5½"



AA 255.14
140mm / 5½"

METZENBAUM
AA 250.14 - AA 255.14



AA 280.18
180mm / 7"

AA 280.20
200mm / 8"

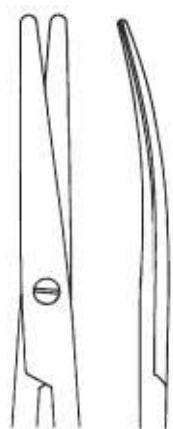
AA 280.23
230mm / 9"

AA 280.25
250mm / 10"

AA 280.28
280mm / 11"

AA 280.30
300mm / 12"

METZENBAUM - NELSON
AA 280.18 - AA 280.30



AA 285.18
180mm / 7"

AA 285.20
200mm / 8"

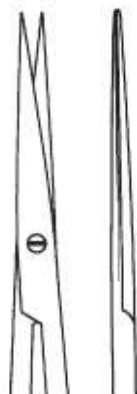
AA 285.23
230mm / 9"

AA 285.25
250mm / 10"

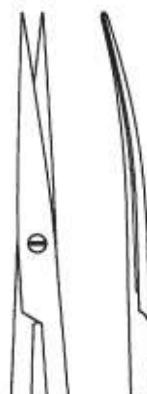
AA 285.28
280mm / 11"

AA 285.30
300mm / 12"

METZENBAUM - NELSON
AA 285.18 - AA 285.30



AA 300.15
150mm / 6"



AA 301.15
150mm / 6"

Nerv - Präparierscheren
Nerve Dissecting Scissors
 Forbici per nervi
 Tijeras para nervios

AA 300.15 - AA 301.15



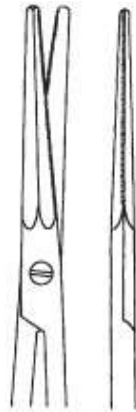


Präparierscheren, feine Modelle
Operating Scissors, fine pattern
Forbici per dissezione, modelli delicati
Tijeras para preparaciones, modelos delgados

Schneiden sind außen halbscharf und Innenseite gezahnt.
Blades are outside semi-sharp and inside serrated.
 Le lame sono esternamente semitaglienti mentre internamente dentellate.
 Los filos son semi-cortantes en el exterior y dentados en el interior.

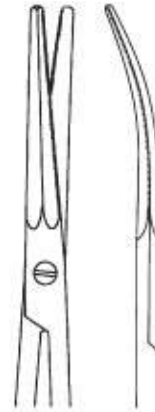


GORNEY
 AA 306.12 - AA 307.19



AA 306.12
 120mm / 4 $\frac{3}{4}$ "

AA 306.19
 190mm / 7 $\frac{1}{2}$ "

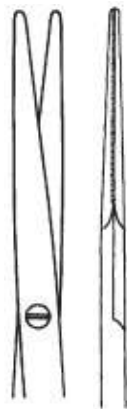


AA 307.12
 120mm / 4 $\frac{3}{4}$ "

AA 307.19
 190mm / 7 $\frac{1}{2}$ "



METZENBAUM
 AA 326.14 - AA 331.23



AA 326.14
 140mm / 5 $\frac{1}{2}$ "

AA 330.20
 200mm / 8"

AA 330.18
 180mm / 7"

AA 330.23
 230mm / 9"



AA 327.14
 140mm / 5 $\frac{1}{2}$ "

AA 331.20
 200mm / 8"

AA 331.18
 180mm / 7"

AA 331.23
 230mm / 9"

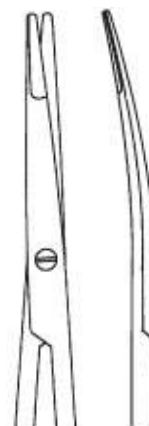
Feine chirurgische Scheren
Fine operating Scissors
Forbici fine per chirurgia
Tijeras finas para cirugía



KILNER (RAGNELL)
AA 358.12 - AA 359.18



AA 358.12
120mm / 4 3/4"



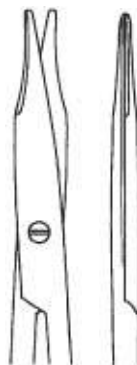
AA 359.12
120mm / 4 3/4"

AA 359.15
150mm / 6"

AA 359.18
180mm / 7"



REYNOLDS
AA 364.15 - AA 365.18



AA 364.15
150mm / 6"

AA 364.18
180mm / 7"



AA 365.15
150mm / 6"

AA 365.18
180mm / 7"



Scheren für die Gefäßchirurgie
Vascular Scissors
Forbici per la chirurgia vascolare
Tijeras para la cirugía vascular



DIETRICH
AA 380.25 - AA 381.00

25°



AA 380.25
180mm / 7"

45°



AA 380.45
180mm / 7"

60°



AA 380.60
180mm / 7"

90°



AA 380.90
170mm / 6 3/4"

125°

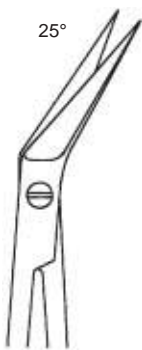


AA 381.00
170mm / 6 3/4"



POTTS - SMITH
AA 391.25 - AA 397.60

25°



AA 391.25
190mm / 7 1/2"

40°



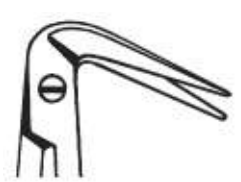
AA 391.40
190mm / 7 1/2"

60°



AA 391.60
190mm / 7 1/2"

125°



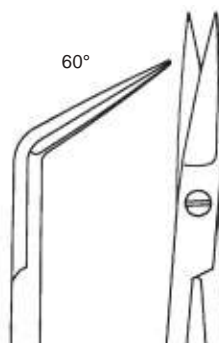
AA 393.00
190mm / 7 1/2"

60°



AA 395.60
190mm / 7 1/2"

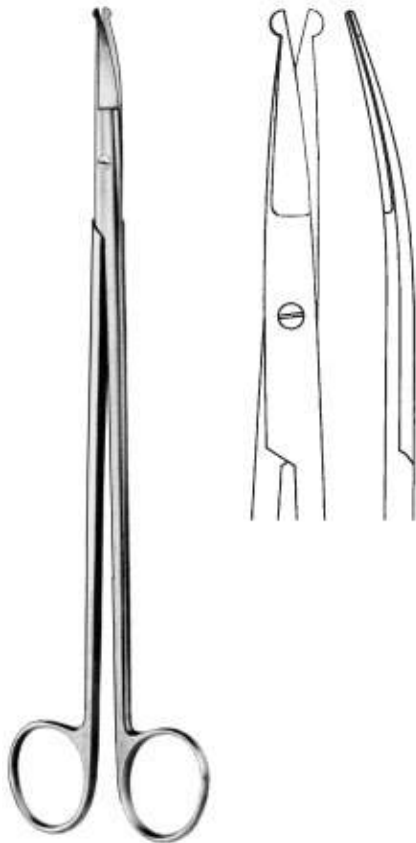
60°



AA 397.60
190mm / 7 1/2"

General Instruments





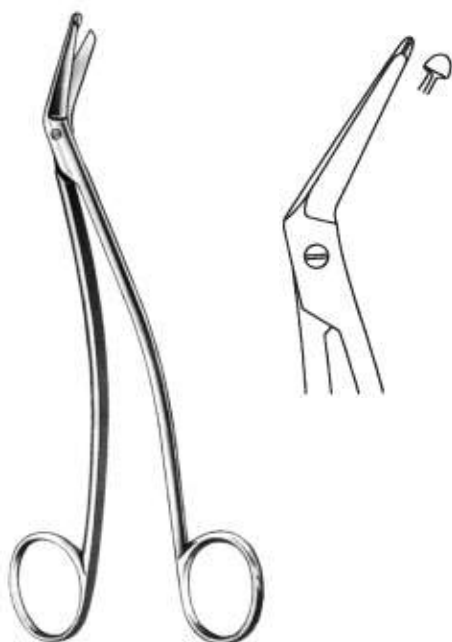
AA 445.22
220mm / 8 3/4"

STRULLY
AA 445.22



AA 451.17
170mm / 6 3/4"

DANDY
AA 451.17



AA 455.17
170mm / 6 3/4"

SCHMIEDEN - TAYLOR
AA 455.17



AA 457.15
150mm / 6"

JAMESON
AA 457.15





Scheren für die Neurochirurgie
Neurosurgical Scissors
Forbici per neurochirurgia
Tijeras para neurocirugia



AA 459.17
170mm / 6 $\frac{3}{4}$ "

TOENNIS - ADSON
AA 459.17

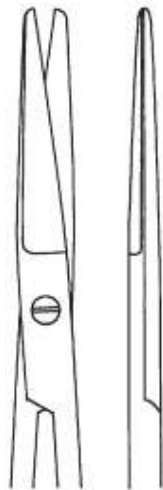


AA 475.23
230mm / 9"

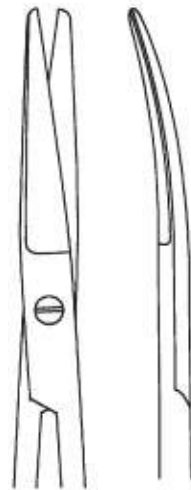
OLIVECRONA
AA 475.23



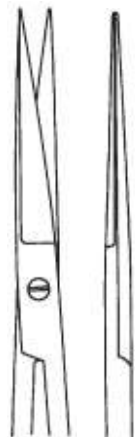
TOENNIS
AA 466.18 - AA 467.18



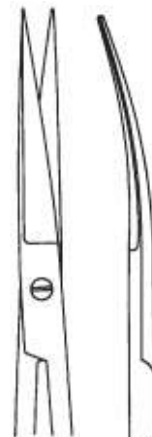
AA 466.18
180mm / 7"



AA 467.18
180mm / 7"

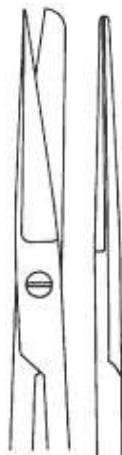


AA 570.12
 120mm / 4 3/4"

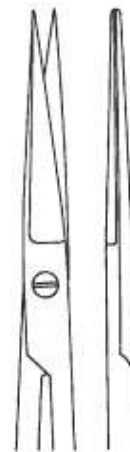


AA 571.12
 120mm / 4 3/4"

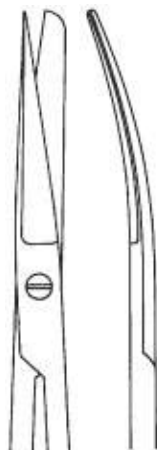
WAGNER
 AA 570.12 - AA 571.12



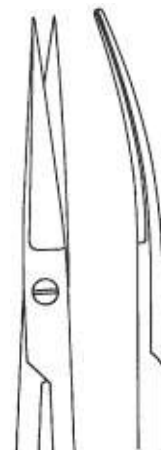
AA 582.12
 120mm / 4 3/4"



AA 584.12
 120mm / 4 3/4"



AA 587.12
 120mm / 4 3/4"



AA 589.12
 120mm / 4 3/4"

AA 582.12 - AA 589.12



Feine chirurgische Scheren
Fine operating Scissors
Forbici fine per chirurgia
Tijeras finas para cirugía



AA 620.09 - AA 621.10



AA 620.09
90mm / 3½"

AA 620.10
100mm / 4"



AA 621.09
90mm / 3½"

AA 621.10
100mm / 4"



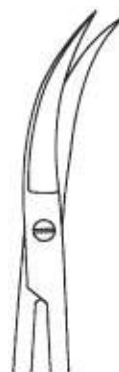
AA 630.11 - AA 635.11



AA 630.11
110mm / 4½"



AA 631.11
110mm / 4½"



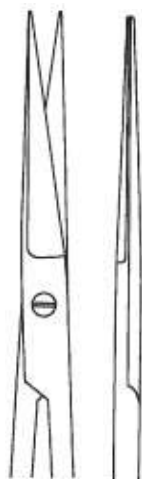
AA 633.11
110mm / 4½"



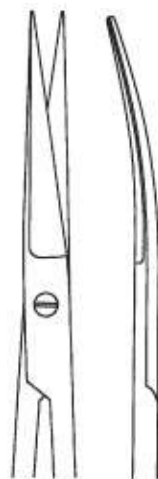
AA 635.11
110mm / 4½"



AA 640.12 - AA 641.12



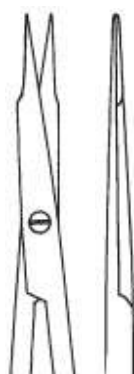
AA 640.12
 120mm / 4¾"



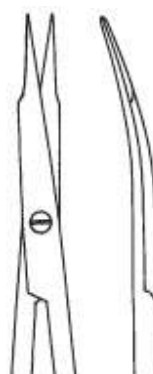
AA 641.12
 120mm / 4¾"



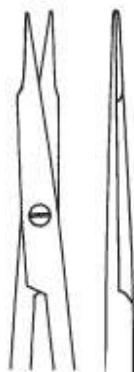
STEVENS
 AA 680.11 - AA 683.11



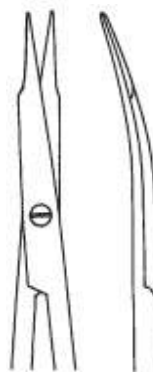
AA 680.11
 110mm / 4½"
 spitz, *pointed*
 acute, *agudas*



AA 681.11
 110mm / 4½"
 spitz, *pointed*
 acute, *agudas*



AA 682.11
 110mm / 4½"
 stumpf, *blunt*
 smusse, *romas*



AA 683.11
 110mm / 4½"
 stumpf, *blunt*
 smusse, *romas*



Feine chirurgische Scheren, Strabismusscheren
Fine operating Scissors, Strabismus Scissors
Forbici fine per chirurgia, Strabismo
Tijeras finas para cirugía, Estrabismo



AA 690.11
110mm / 4½"



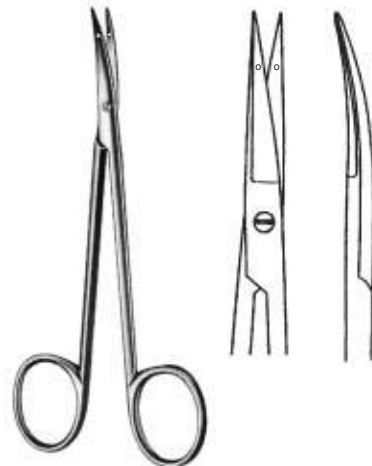
AA 691.11
110mm / 4½"

GRAZIL
AA 690.11 - AA 691.11



AA 692.11
110mm / 4½"

KILNER
AA 692.11



AA 821.11
110mm / 4½"

LITTLER
AA 821.11



UNIVERSAL
 AA 806.14 - AA 809.14
 140mm / 5½"



UNIVERSAL
 AA 806.18 - AA 809.18
 180mm / 7"

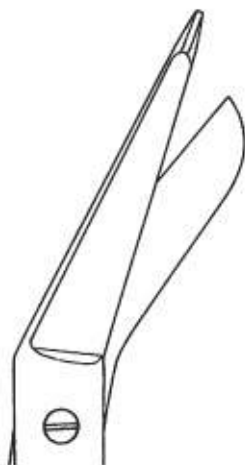
schwarz *black* nero *negro*
 blau *blue* blu *azul*
 rot *red* rosso *rojo*
 grün *green* verde *verde*

AA 806.14
 AA 807.14
 AA 808.14
 AA 809.14

AA 806.18
 AA 807.18
 AA 808.18
 AA 809.18



LISTER
 AA 835.14 - AA 835.20



AA 835.14
 140mm / 5½"

AA 835.18
 180mm / 7"

AA 835.20
 200mm / 8"



CT - ORO Wissenswertes über "Tungsten Carbide"
CT - ORO Worth knowing about "Tungsten Carbide"
CT - ORO Notizie degne di essere citate su: "Carburo di Tungsteno"
CT - ORO Valores de conocimiento sobre: "Carburo de Tungsteno"

CT - ORO

C = carbide T = tungsten

C = carburo T = tungsteno

Tungsten oder Wolfram ist ein metallisches Element, welches im Jahre 1783 durch den schwedischen Chemiker Karl Wilhelm Scheele entdeckt wurde.

Elementsymbol = W, Ordnungszahl = 74, Atomgewicht = 183,86, Schmelzpunkt liegt bei ca. 3380°C, also höher als bei allen anderen bekannten Metallen, der Siedepunkt liegt bei 5500°C.

In Legierung mit metallischen Carbiden liegt die Härte annähernd beim Diamanten.

Tungsten Carbide ist das härteste von menschenhand geschaffene Metall.

Tungsten or Wolfram is a metal element that was discovered in 1783 by the Swedish chemist Karl Wilhelm Scheele.

Element symbol = W, Ident. Number = 74, Atom weight = 183,86. Melting point is approx. 3380°C, (higher than all other know metals), boiling point is 5500°C.

When combined as an alloy with metal carbides, it achieves nearly diamond hardness.

Tungsten Carbide is the hardes man-made material.

Tungsteno o Wolfram é un elemento metallico, che fu scoperto nell'anno 1783 dal Chimico svedese Karl Wilhelm Scheele.

Simbolo d'elemento = W, numero ordinale = 74, peso atomico = 183,86, il punto di fusione si trova a ca. 3380°C, quindi piú alto di tutti gli altri metalli conosciuti, il punto d'ebolizione si trova a 5500°C.

Il tungsteno in lega con il carburo raggiunge un grado di durezza vicino a quello del diamante.

Carburo di tungsteno é la lega di metallo piú dura fino ad ora sviluppata da mani umane.

Tungsteno o Wolfram es un elemento metálico, descubierto en el ano 1783 por el químico sueco Karl Wilhelm Scheele.

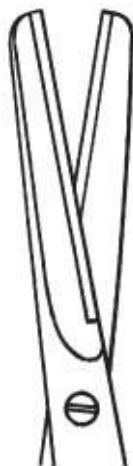
Símbolo del elemento = W, número ordinal = 74, peso atómico 183,86, el punto de fusión es aproximadamente de 3380°C, es decir mas alto que él de todos los metales conocidos, el punto de ebullición es aproximadamente 5500°C.

En aleación con carburos metálicos la dureza es parecida a la del diamante.

Carburo de tungsteno es el metal más duro creado por el hombre.



CT - ORO



AA 902.14
140mm / 5½"



AA 904.14
140mm / 5½"



AA 906.14
140mm / 5½"

STANDARD
AA 902.14 - AA 906.14



AA 903.14
140mm / 5½"



AA 905.14
140mm / 5½"



AA 907.14
140mm / 5½"

STANDARD
AA 903.14 - AA 907.14

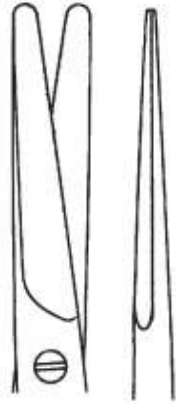




CT - ORO



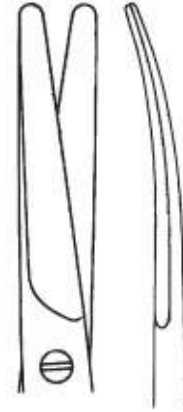
MAYO
 AA 910.14 - AA 911.23



AA 910.14
 140mm / 5½"

AA 910.17
 170mm / 6"

AA 910.23
 230mm / 9"



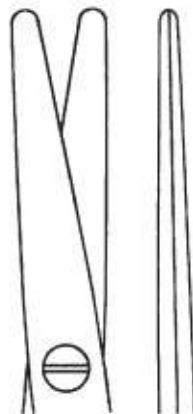
AA 911.14
 140mm / 5½"

AA 911.17
 170mm / 6"

AA 911.23
 230mm / 9"

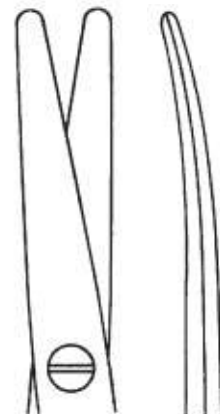


MAYO - STILLE
 AA 930.15 - AA 931.17



AA 930.15
 150mm / 6"

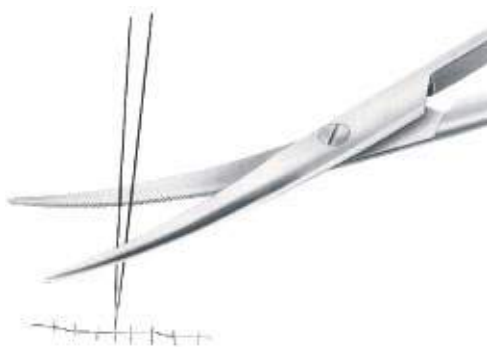
AA 930.17
 170mm / 6¾"



AA 931.15
 150mm / 6"

AA 931.17
 170mm / 6¾"

CT - ORO



Nahtschere
Suture Scissors
Forbici per sutura
Tijeras para sutura



AA 915.14
140mm / 5½"



AA 915.18
180mm / 7"



AA 915.14 - AA 915.26



AA 915.23
230mm / 9"



AA 915.26
260mm / 10¼"

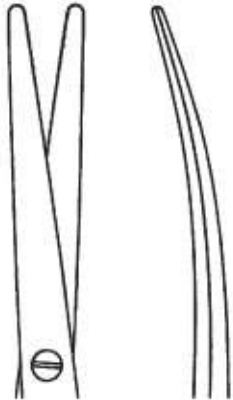




CT - ORO



MAYO - LEXER
 AA 935.16



AA 935.16
 160mm / 6½"



METZENBAUM
 AA 936.11 - AA 939.14



AA 936.11
 110mm / 4½"

AA 938.14
 140mm / 5½"



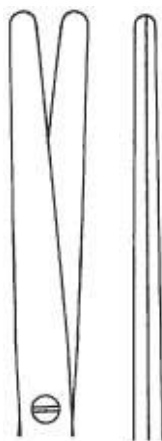
AA 937.11
 110mm / 4½"

AA 939.14
 140mm / 5½"

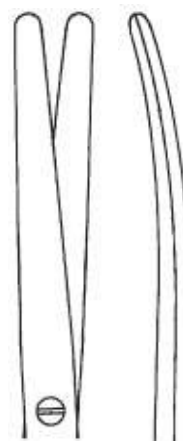
CT - ORO



METZENBAUM
 AA 942.18 - AA 943.30



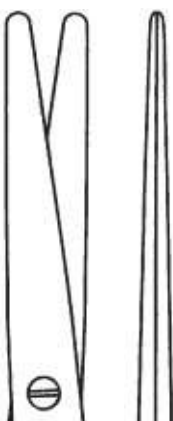
- AA 942.18
180mm / 7"
- AA 942.20
200mm / 8"
- AA 942.23
230mm / 9"
- AA 942.25
250mm / 10"
- AA 942.28
280mm / 11"
- AA 942.30
300mm / 12"



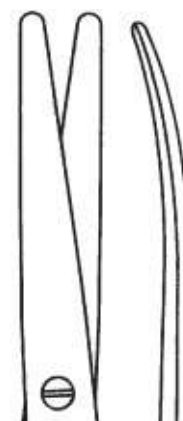
- AA 943.18
180mm / 7"
- AA 943.20
200mm / 8"
- AA 943.23
230mm / 9"
- AA 943.25
250mm / 10"
- AA 943.28
280mm / 11"
- AA 943.30
300mm / 12"



LEXER
 AA 950.16 - AA 951.23



- AA 950.16
160mm / 6½"
- AA 950.21
210mm / 8¼"



- AA 951.16
160mm / 6½"
- AA 951.21
210mm / 8¼"
- AA 951.23
230mm / 9"





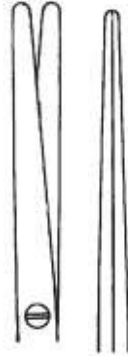
Scheren mit Hartmetalleinsätzen
Scissors with Tungsten Carbide Inserts
Forbici con inserti al carburo di tungsteno
Tijeras con filos de carburo de tungsteno



CT - ORO



METZENBAUM - FINO
AA 954.14 - AA 960.28



AA 954.14
140mm / 5½"

AA 960.18
180mm / 7"

AA 960.20
200mm / 8"

AA 960.23
230mm / 9"

AA 960.25
250mm / 10"

AA 960.28
280mm / 11"



METZENBAUM - FINO
AA 955.14 - AA 961.28



AA 955.14
140mm / 5½"

AA 961.18
180mm / 7"

AA 961.20
200mm / 8"

AA 961.23
230mm / 9"

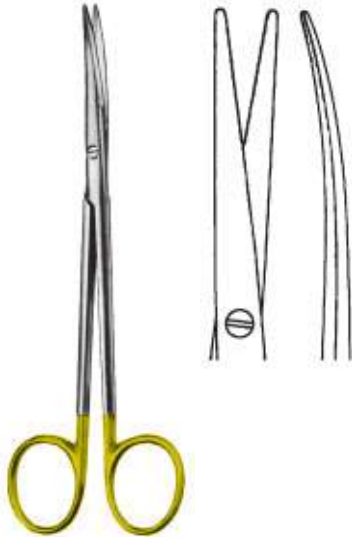
AA 961.25
250mm / 10"

AA 961.28
280mm / 11"

Scheren mit Hartmetalleinsätzen
Scissors with Tungsten Carbide Inserts
 Forbici con inserti al carburo di tungsteno
 Tijeras con filos de carburo de tungsteno



CT - ORO



TOENNIS - ADSON
AA 965.17
 170mm / 6 $\frac{3}{4}$ "



GOLDMANN - FOX
AA 980.13 - AA 981.13



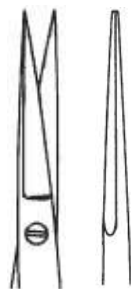
AA 980.13
 130mm / 5"



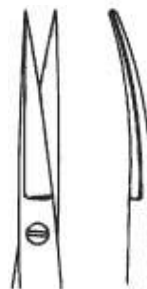
AA 981.13
 130mm / 5"



AA 982.11 - AA 983.11



AA 982.11
 110mm / 4 $\frac{1}{2}$ "



AA 983.11
 110mm / 4 $\frac{1}{2}$ "

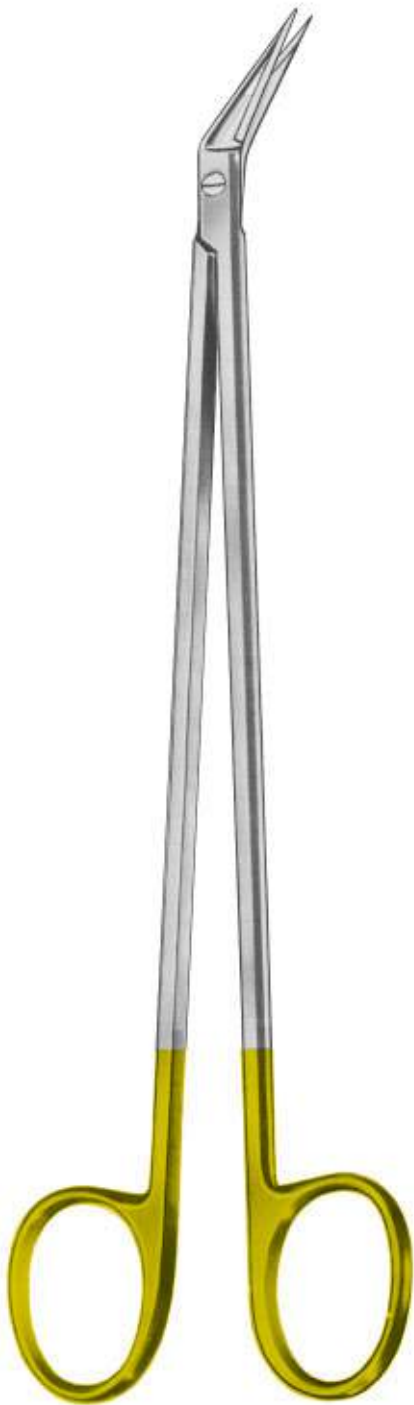




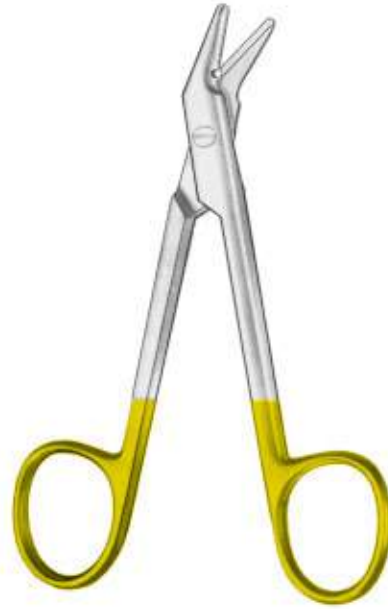
Scheren mit Hartmetalleinsätzen
Scissors with Tungsten Carbide Inserts
Forbici con inserti al carburo di tungsteno
Tijeras con filos de carburo de tungsteno



CT - ORO



DE BAKEY (POTTS - SMITH)
AA 985.25 - AA 987.60



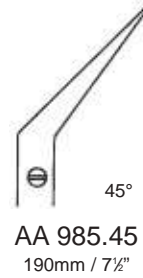
UNIVERSAL
AA 995.12



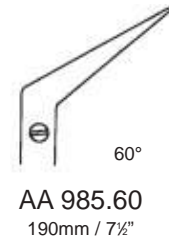
AA 995.12
120mm / 4¾"



AA 985.25
190mm / 7½"



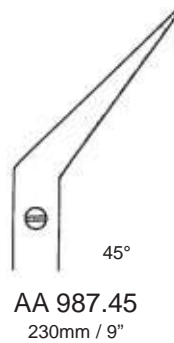
AA 985.45
190mm / 7½"



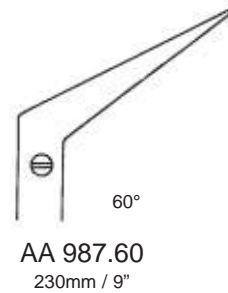
AA 985.60
190mm / 7½"



AA 987.25
230mm / 9"



AA 987.45
230mm / 9"



AA 987.60
230mm / 9"



WA 378.10
100mm / 4 $\frac{1}{4}$ "

WA 378.10



WA 379.10
100mm / 4 $\frac{1}{4}$ "

WA 379.10



Anatomische Pinzetten
Dressing Forceps
 Pinze anatomiche per dissezione
 Pinzas de disección



Schmal
 Narrow
 Strette
 Estrechas

AB 100.11
 110mm / 4½"

AB 100.13
 130mm / 5"

AB 100.14
 140mm / 5½"

AB 100.16
 160mm / 6½"

AB 100.18
 180mm / 7"

AB 100.20
 200mm / 8"

AB 100.25
 250mm / 10"

AB 100.30
 300mm / 12"

STANDARD
 AB 100.14 - AB 100.25



AB 140.09
 90mm / 3½"

AB 140.10
 100mm / 4"

AB 140.11
 110mm / 4½"

AB 140.13
 130mm / 5"

AB 140.14
 140mm / 5½"

AB 141.09
 90mm / 3½"

AB 141.10
 100mm / 4"

AB 141.11
 110mm / 4½"

AB 141.13
 130mm / 5"

AB 141.14
 140mm / 5½"

AB 140.09 - AB 141.14



AB 168.12
120mm / 4 $\frac{3}{4}$ "

AB 168.15
150mm / 6"

ADSON
AB 168.12 - AB 168.15



AB 170.15
150mm / 6"

MC INDOE
AB 170.15



AB 172.12
120mm / 4 $\frac{3}{4}$ "

AB 172.15
150mm / 6"

SEMKEN
AB 172.12 - AB 172.15



AB 176.18
180mm / 7"

AB 176.18



AB 186.18
180mm / 7"

AB 186.23
230mm / 9"



AB 187.18
180mm / 7"

AB 187.23
230mm / 9"

GERALD
AB 186.18 - AB 187.23



AB 192.18
180mm / 7"

AB 192.21
210mm / 8 1/4"

AB 192.25
250mm / 10"

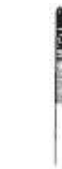


AB 193.18
180mm / 7"

AB 193.21
210mm / 8 1/4"

AB 193.25
250mm / 10"

POTTS - SMITH
AB 192.18 - AB 193.25



AB 196.20
200mm / 8"



AB 197.20
200mm / 8"

BROPHY
AB 196.20 - AB 197.20



AB 210.20
200mm / 8"

DUEHRSEN
AB 210.20

CT - ORO

Normalprofil
Normal profile
 Profilo normale
 Perfil normal



- | | |
|--------------------------|--------------------------|
| AB 200.11
110mm / 4½" | AB 200.13
30mm / 5" |
| AB 200.14
140mm / 5½" | AB 200.16
160mm / 6½" |
| AB 200.18
180mm / 7" | AB 200.20
200mm / 8" |
| AB 200.25
250mm / 10" | AB 200.30
300mm / 12" |

STANDARD
 AB 200.11 - AB 200.30



- | |
|--------------------------|
| AB 250.12
120mm / 4¾" |
| AB 250.15
150mm / 6" |
| AB 252.12
120mm / 4¾" |
| AB 252.15
150mm / 6" |

ADSON
 AB 250.12 - AB 252.15

Normalprofil
Normal profile
 Profilo normale
 Perfil normal



- | |
|--------------------------|
| AB 254.17
170mm / 6¾" |
|--------------------------|

CUSHING
 AB 254.17

Normalprofil
Normal profile
 Profilo normale
 Perfil normal



- | | |
|--------------------------|-------------------------|
| AB 258.15
150mm / 6" | AB 258.18
180mm / 7" |
| AB 258.20
200mm / 8" | AB 258.23
230mm / 9" |
| AB 258.25
250mm / 10" | |

POTTS - SMITH
 AB 258.15 - AB 258.25



Pinzetten
Dissecting Forceps
 Pinze per dissezione
 Pinzas de disección

CT - ORO



AB 259.19
 190mm / 7½"

GRUENWALD
 AB 259.19



AB 266.15
 150mm / 6"

AB 266.23
 230mm / 9"

AB 266.25
 250mm / 10"

WANGENSTEEN
 AB 266.15 - AB 266.25

Mikroprofil
Micro profile
 Profilo micro
 Perfil micro



AB 270.15
 150mm / 6"

AB 270.19
 190mm / 7½"

AB 270.24
 240mm / 9½"

DE BAKEY
 AB 270.15 - AB 272.24

Miniprofil
Mini profile
 Profilo mini
 Perfil mini



AB 272.15
 150mm / 6"

AB 272.19
 190mm / 7½"

AB 272.24
 240mm / 9½"



AB 322.14
 140mm / 5½"

AB 322.16
 160mm / 6½"

AB 322.18
 180mm / 7"

AB 322.20
 200mm / 8"

AB 322.25
 250mm / 10"

AB 322.14 - AB 322.25
 1:2 Zähne, Teeth, Denti, Dientes



AB 358.12
 120mm / 4¾"

AB 358.15
 150mm / 6"

ADSON
AB 358.12 - AB 358.15
 1:2 Zähne, Teeth, Denti, Dientes



AB 368.12
 120mm / 4¾"

AB 368.15
 150mm / 6"

ADSON
AB 368.12 - AB 368.15
 1:2 Zähne, Teeth, Denti, Dientes



AB 370.15
 150mm / 6"

GILLIES
AB 370.15
 1:2 Zähne, Teeth, Denti, Dientes



Chirurgische Pinzetten
Tissue Forceps
Pinze chirurgiche
Pinzas de disección con dientes



AB 378.15
150mm / 6"



MC INDOE
AB 378.15

1:2 Zähne, *Teeth, Denti, Dientes*



AB 385.16
160mm / 6½"



AB 385.16

1:2 Zähne, *Teeth, Denti, Dientes*



AB 386.17
170mm / 6¾"

AB 386.23
230mm / 9"

GERALD

AB 386.17 - AB 386.23

1:2 Zähne, *Teeth, Denti, Dientes*



AB 387.17
170mm / 6¾"

GERALD

AB 387.17

1:2 Zähne, *Teeth, Denti, Dientes*



AB 390.18
180mm / 7"

AB 390.20
200mm / 8"

AB 390.25
250mm / 10"

AB 390.30
300mm / 12"



WAUGH

AB 390.18 - AB 390.30

1:2 Zähne, *Teeth, Denti, Dientes*



AB 402.12
 120mm / 4 $\frac{3}{4}$ "

MINI - ADSON
AB 402.12

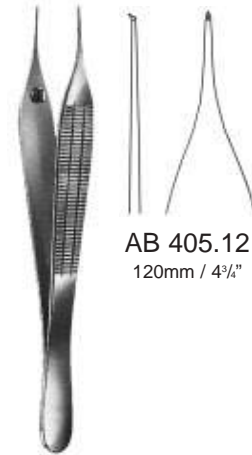
1:2 Zähne, Teeth, Denti, Dientes



AB 404.12
 120mm / 4 $\frac{3}{4}$ "

MICRO - ADSON
AB 404.12

1:2 Zähne, Teeth, Denti, Dientes



AB 405.12
 120mm / 4 $\frac{3}{4}$ "

MICRO-ADSON-BIEMER
AB 405.12

1:2 Zähne, Teeth, Denti, Dientes



AB 406.15
 150mm / 6"

MICRO - ADSON
AB 406.15

1:2 Zähne, Teeth, Denti, Dientes



AB 407.15
 150mm / 6"

MICRO-ADSON
AB 407.15



AB 416.12
 120mm / 4 $\frac{3}{4}$ "

ADSON
AB 416.12

1:2 Zähne, Teeth, Denti, Dientes



Chirurgische Pinzetten
Tissue Forceps
Pinze chirurgiche
Pinzas de disección con dientes



AB 518.12
120mm / 4¾"

AB 518.15
150mm / 6"

SEMKEN

AB 518.12 - AB 518.15

1:2 Zähne, *Teeth, Denti, Dientes*



AB 691.14
140mm / 5½"

AB 692.14
140mm / 5½"
1:2 Zähne, *Teeth, Denti, Dientes*

LUCAE

AB 691.14 - AB 692.14



AB 695.16
160mm / 6½"

AB 695.20
200mm / 8"

JANSEN

AB 695.16 - AB 695.20



AB 698.19
190mm / 7½"

GRÜNWALD

AB 698.19

1:2 Zähne, *Teeth, Denti, Dientes*

Pinzetten
Dissecting Forceps
Pinze per dissezione
Pinzas de disección



FB 360.10
100mm / 4"



FB 361.10
100mm / 4"



FB 362.10
100mm / 4"

GRAEFE
FB 360.10 - FB 362.10



RB 731.14
140mm / 5½"

COTTLE
RB 731.14





Atraumatic - Pinzetten
Atraumatic - Tissue Forceps
Atraumatic - Pinze
Atraumatic - Pinzas de disección



1,5 mm



CB

CB 386.20
200mm / 8"

DE BAKEY
CB 386.16 - CB 386.20



2,0 mm



CB 388.16
160mm / 6½"

CB 388.20
200mm / 8"

DE BAKEY
CB 388.16 - CB 388.20



2,0 mm



CB 389.16
160mm / 6½"

CB 389.20
200mm / 8"

DE BAKEY
CB 389.16 - CB 389.20





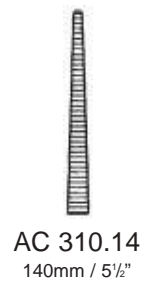
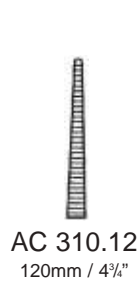
CARREL
 AC 150.08



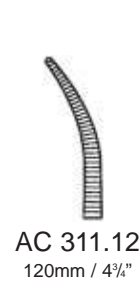
HARTMANN
 AC 306.10 - AC 307.10



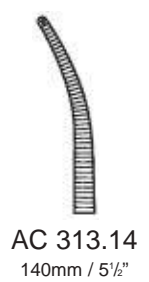
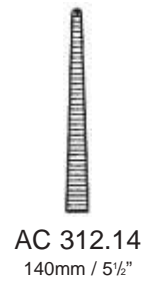
HALSTED - MOSQUITO
 AC 310.12 - AC 313.14



1:2 Zähne, *Teeth, Denti, Dientes*



1:2 Zähne, *Teeth, Denti, Dientes*





HALSTED - MOSQUITO
 AC 320.10 - AC 323.12



AC 320.10
 100mm / 4 1/4"



AC 320.12
 120mm / 4 3/4"

1:2 Zähne, *Teeth, Denti, Dientes*



AC 321.10
 100mm / 4 1/4"



AC 321.12
 120mm / 4 3/4"

1:2 Zähne, *Teeth, Denti, Dientes*



AC 322.10
 100mm / 4 1/4"



AC 322.12
 120mm / 4 3/4"



AC 323.10
 100mm / 4 1/4"



AC 323.12
 120mm / 4 3/4"



PROVIDENCE - HOSPITAL
 AC 324.14 - AC 325.14



AC 324.14
 140mm / 5 1/2"



AC 325.14
 140mm / 5 1/2"



LERICHE
 AC 326.15 - AC 329.15



AC 326.15
 150mm / 6"



AC 327.15
 150mm / 6"

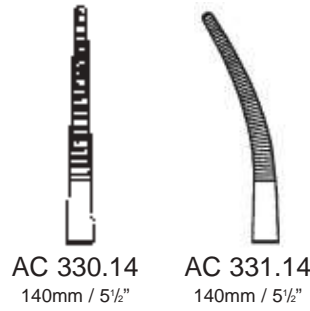
1:2 Zähne, *Teeth, Denti, Dientes*



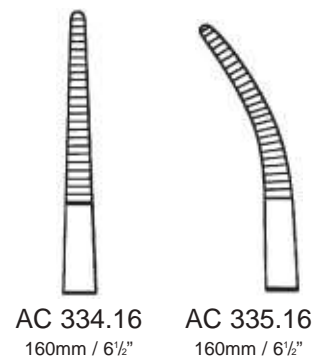
AC 328.15
 150mm / 6"



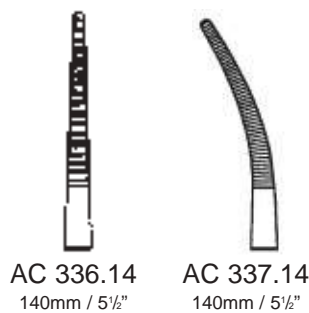
AC 329.15
 150mm / 6"



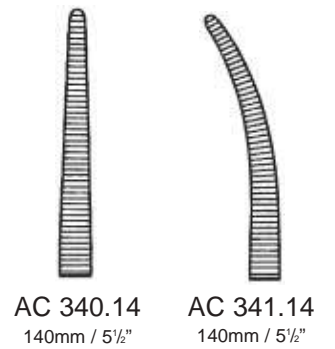
KELLY
 AC 330.14 - AC 331.14



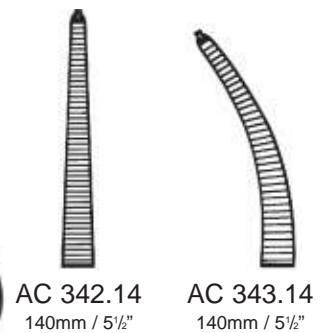
KELLY - RANKIN
 AC 334.16 - AC 335.16



BABY-CRILE
 AC 336.14 - AC 337.14



1:2 Zähne, Teeth, Denti, Dientes



CRILE
 AC 340.14 - AC 343.14



CRILE - RANKIN
 AC 346.16 - AC 347.16



AC 346.16
 160mm / 6½"



AC 347.16
 160mm / 6½"

1:2 Zähne, *Teeth*,
 Denti, *Dientes*



LOVELACE
 AC 348.15 - AC 350.15



AC 348.15
 150mm / 6"



AC 350.15
 150mm / 6"

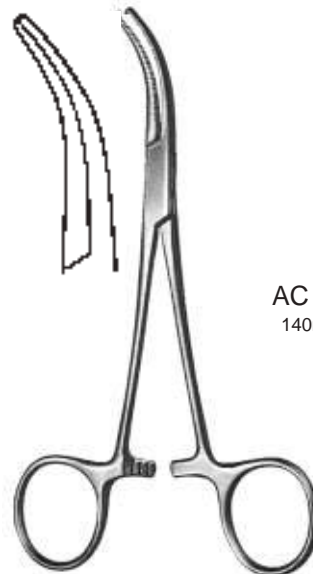


DUNHILL
 AC 353.12



AC 353.12
 120mm / 5"

1:2 Zähne, *Teeth*,
 Denti, *Dientes*



DANDY
 AC 355.14 - AC 357.14



AC 355.14
 140mm / 5½"



AC 357.14
 140mm / 5½"



grazil, *delicate*, *delicato*, *delgado*



PEAN
 AC 374.14 - AC 375.16



AC 374.14
 140mm / 5½"



AC 374.16
 160mm / 6"



AC 375.14
 140mm / 5½"



AC 375.16
 160mm / 6"

grazil, *delicate*, *delicato*, *delgado*

1:2 Zähne, *Teeth*, *Denti*, *Dientes*

1:2 Zähne, *Teeth*, *Denti*, *Dientes*



KOCHER
 AC 384.14 - AC 385.16



AC 384.14
 140mm / 5½"



AC 384.16
 160mm / 6"



AC 385.14
 140mm / 5½"



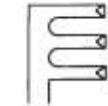
AC 385.16
 160mm / 6"





3:3 Zähne, *Teeth, Denti, Dientes*

4:4 Zähne, *Teeth, Denti, Dientes*



AD 700.05
50mm / 2"
scharf
sharp
acuto
agudo



AD 701.05
50mm / 2"
stumpf
blunt
smusso
romo



AD 702.07
70mm / 2¾"
scharf
sharp
acuto
agudo



AD 703.07
70mm / 2¾"
stumpf
blunt
smusso
romo

3:3 Zähne, *Teeth, Denti, Dientes*



AD 708.04
40mm / 1½"

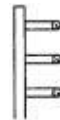
FINSEN
AD 700.05 - AD 703.07

LOGAN
AD 708.04

4:4 Zähne, *Teeth, Denti, Dientes*



AD 714.07
70mm / 2¾"



AD 714.10
100mm / 4¼"



AD 715.07
70mm / 2¾"



AD 715.10
100mm / 4¼"

scharf, *sharp*, acuto, *agudo*

stumpf, *blunt*, smusso, *romo*

ALM
AD 714.07 - AD 715.10

3:4 Zähne, *Teeth, Denti, Dientes*

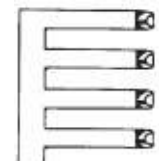


AD 728.14
140mm / 5½"

Adson
AD 728.14



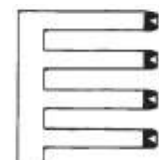
WEITLANER
AD 750.13 - AD 751.16



AD 750.13
130mm / 5"
stumpf, *blunt*,
smusso, *romo*



AD 751.13
130mm / 5"
scharf, *sharp*,
acuto, *agudo*



AD 750.16
160mm / 6½"
scharf, *sharp*,
acuto, *agudo*



AD 751.16
160mm / 6½"
stumpf, *blunt*,
smusso, *romo*



MOLLISON
AD 754.14

AD 754.14
140mm / 5½"
scharf, *sharp*,
acuto, *agudo*



JEFFERSON
AD 761.14

AD 761.14
140mm / 5½"
stumpf, *blunt*,
smusso, *romo*

CT - ORO



Miniprofil
Mini profile
Profilo mini
Perfil mini

AE 638.15
150mm / 6"

AE 638.18
180mm / 7"

CRILE - WOOD
AE 638.15 - AE 638.18



AE 639.15
150mm / 6"

AE 639.18
180mm / 7"

CRILE - WOOD
AE 639.15 - AE 639.18



Miniprofil
Mini profile
Profilo mini
Perfil mini

AE 646.15
150mm / 6"

AE 646.18
180mm / 7"

DE BAKEY
AE 646.15 - AE 646.18



Mikroprofil
Micro profile
Profilo micro
Perfil micro

AE 658.14
140mm / 5½"

AE 658.18
180mm / 7"

AE 658.20
200mm / 8"

AE 658.23
230mm / 9"

HEGAR - VASCULAR
AE 658.14 - AE 658.18



AE 660.15
150mm / 6"

BABY-CRILE-WOOD
AE 660.15



AE 647.16
160mm / 6½"

DE BAKEY
AE 647.16





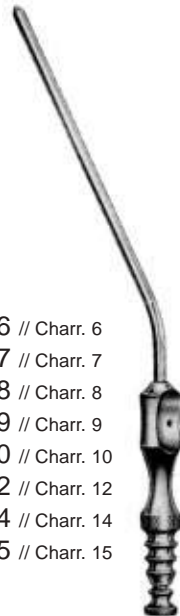
Saugrohre
Suction Tubes
Tubi d'aspirazione
Tubos de aspiración

Ø 4mm

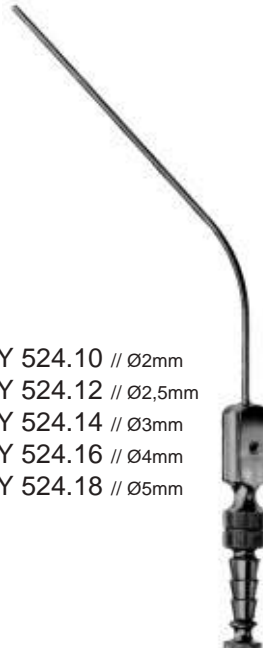


- AY 523.06 // Charr. 6
- AY 523.07 // Charr. 7
- AY 523.08 // Charr. 8
- AY 523.09 // Charr. 9
- AY 523.10 // Charr. 10
- AY 523.12 // Charr. 12
- AY 523.14 // Charr. 14
- AY 523.15 // Charr. 15

ADSON
AY 521.21
 210mm / 8 1/4"

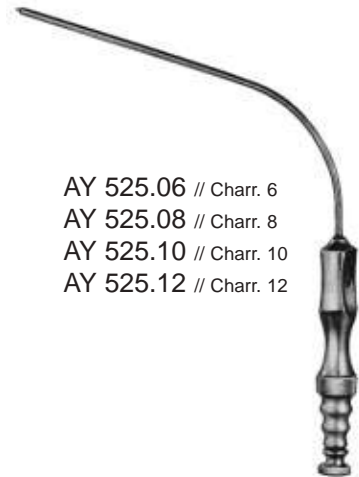


FRAZIER
AY 523.06 - AY 523.15
 190mm / 7 1/2"



- AY 524.10 // Ø2mm
- AY 524.12 // Ø2,5mm
- AY 524.14 // Ø3mm
- AY 524.16 // Ø4mm
- AY 524.18 // Ø5mm

FERGUSON
AY 524.10 - AY 524.18
 180mm / 7"



- AY 525.06 // Charr. 6
- AY 525.08 // Charr. 8
- AY 525.10 // Charr. 10
- AY 525.12 // Charr. 12

POPPEN
AY 525.06 - AY 525.12
 130mm / 5"



WULLSTEIN
AY 527.00
 140mm / 5 1/2"
 Satz, Serie, Set, Juego

Ø 0,4mm



AY 527.04

Ø 0,6mm



AY 527.06

Ø 0,8mm



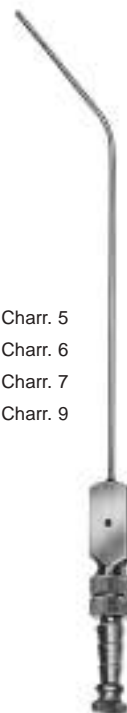
AY 527.08

Ø 7mm

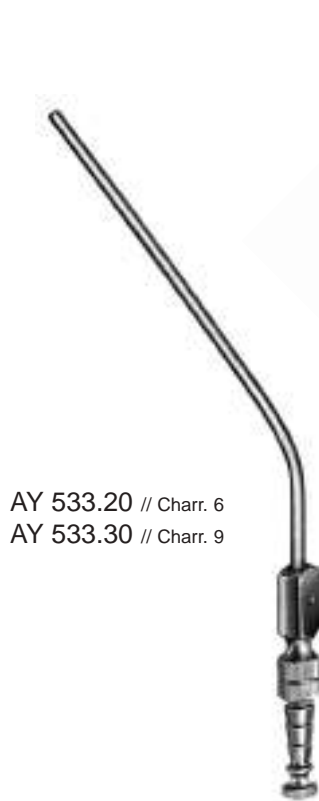


HOUSE
AY 528.55
 55mm / 2 1/8"

- AY 529.05 // Charr. 5
- AY 529.06 // Charr. 6
- AY 529.07 // Charr. 7
- AY 529.09 // Charr. 9

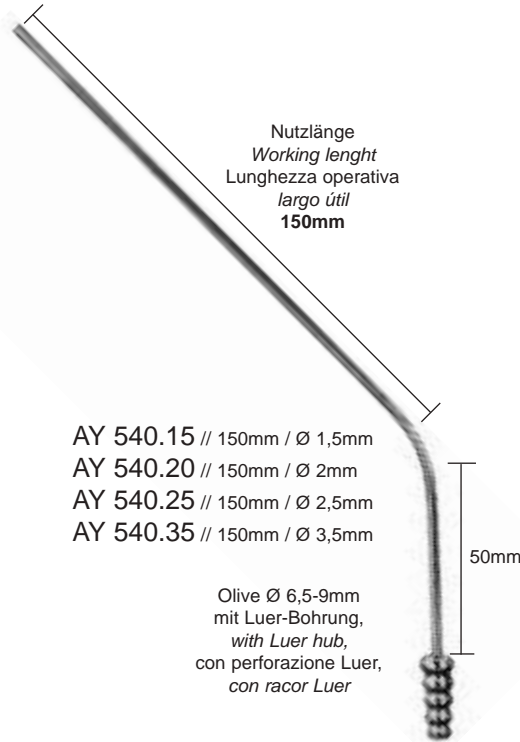


PLESTER
AY 529.05 - AY 529.09
 200mm / 8"



AY 533.20 // Charr. 6
AY 533.30 // Charr. 9

FERGUSSON
AY 533.20 - AY 533.30
200mm / 8"



Nutzlänge
Working length
Lunghezza operativa
largo útil
150mm

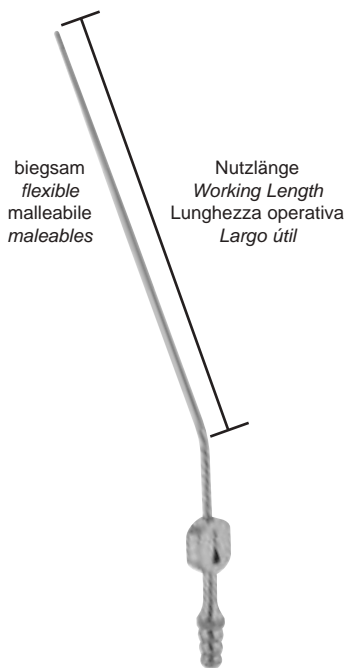
AY 540.15 // 150mm / Ø 1,5mm
AY 540.20 // 150mm / Ø 2mm
AY 540.25 // 150mm / Ø 2,5mm
AY 540.35 // 150mm / Ø 3,5mm

Olive Ø 6,5-9mm
mit Luer-Bohrung,
with Luer hub,
con perforazione Luer,
con racor Luer

YASARGIL
AY 540.15 - AY 540.35
210mm / 8 1/4"



YANKAUER
AY 543.27
270mm / 10 1/2"



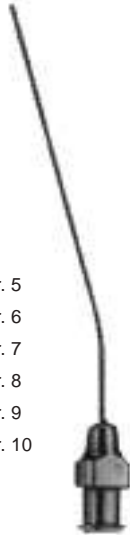
biegsam
flexible
malleabile
maleables

Nutzlänge
Working Length
Lunghezza operativa
Largo útil

FUKUSHIMA
NY 340.03 - NY 346.10

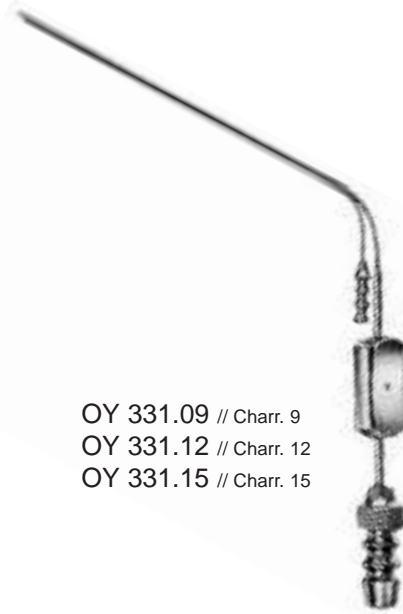
	100mm / 4"	115mm / 4 1/2"	140mm / 5 1/2"	165mm / 6 1/2"
Ø 1,0mm / Charr. 3	NY 340.03	NY 342.03	NY 344.03	NY 346.03
Ø 1,3mm / Charr. 4	NY 340.04	NY 342.04	NY 344.04	NY 346.04
Ø 1,6mm / Charr. 5	NY 340.05	NY 342.05	NY 344.05	NY 346.05
Ø 2,0mm / Charr. 6	NY 340.06	NY 342.06	NY 344.06	NY 346.06
Ø 2,3mm / Charr. 7	NY 340.07	NY 342.07	NY 344.07	NY 346.07
Ø 2,6mm / Charr. 8	NY 340.08	NY 342.08	NY 344.08	NY 346.08
Ø 3,0mm / Charr. 9	NY 340.09	NY 342.09	NY 344.09	NY 346.09
Ø 3,3mm / Charr. 10	NY 340.10	NY 342.10	NY 344.10	NY 346.10

OY 330.05 // Charr. 5
 OY 330.06 // Charr. 6
 OY 330.07 // Charr. 7
 OY 330.08 // Charr. 8
 OY 330.09 // Charr. 9
 OY 330.10 // Charr. 10



ROSEN
 OY 330.05 - OY 330.10
 65mm / 2³/₈"

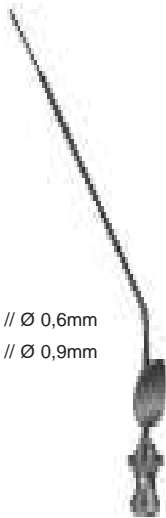
OY 331.09 // Charr. 9
 OY 331.12 // Charr. 12
 OY 331.15 // Charr. 15



HOUSE
 OY 331.09 - OY 331.15
 90mm / 3¹/₂"

Ø 2,5mm

OY 335.06 // Ø 0,6mm
 OY 335.09 // Ø 0,9mm



SCHUHKNECHT
 OY 335.06 - OY 335.09
 130mm / 5¹/₈"

OY 526.13 // Ø 1,3mm
 OY 526.20 // Ø 2,0mm



BARRON
 OY 526.13 - OY 526.20
 160mm / 6¹/₄"



OY 541.17
 175mm / 7"

Ø3mm



FRAZIER
NY 318.03
 100mm / 4"

NY 319.20 // Ø2mm
 NY 319.25 // Ø2,5mm



NY 319.20 - NY 319.25
 70mm / 2¾"

Ø1,7mm



NY 320.08 - NY 320.10

NY 322.09 // Ø0,9mm
 NY 322.12 // Ø1,2mm
 NY 322.14 // Ø1,4mm
 NY 322.16 // Ø1,6mm
 NY 322.18 // Ø1,8mm
 NY 322.20 // Ø2,0mm
 NY 322.24 // Ø2,4mm
 NY 322.28 // Ø2,8mm



CONE
NY 322.09 - NY 322.28
 90mm / 3½"

NY 324.07 // 80mm / 3⅛" // Ø0,7mm
 NY 325.07 // 90mm / 3½" // Ø0,7mm
 NY 324.10 // 80mm / 3⅛" // Ø1,0mm
 NY 325.10 // 90mm / 3½" // Ø1,0mm
 NY 325.12 // 90mm / 3⅛" // Ø1,2mm
 NY 326.12 // 100mm / 3½" // Ø1,2mm
 NY 327.12 // 150mm / 3⅛" // Ø1,2mm



QUINKE
NY 324.07 - NY 327.12

NY 328.13 // Ø1,3mm
 NY 328.15 // Ø1,5mm
 NY 328.17 // Ø17mm



TUOHY
NY 328.13 - NY 328.17
 80mm / 3⅛"



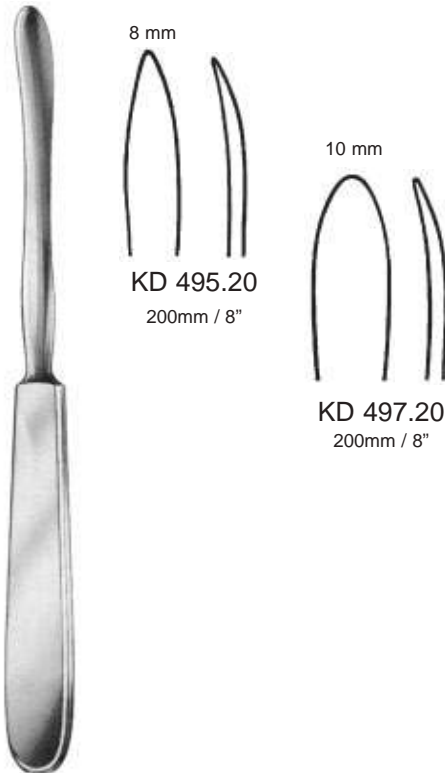
5 mm
KD 490.17
170mm / 6 $\frac{3}{4}$ "

SEBILEAU
KD 490.17



11 mm
KD 492.23
230mm / 9"

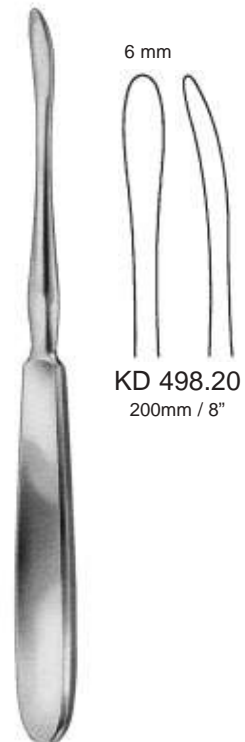
LANGENBECK
KD 492.23



8 mm
KD 495.20
200mm / 8"

10 mm
KD 497.20
200mm / 8"

LANGENBECK
KD 495.20 - KD 497.20



6 mm
KD 498.20
200mm / 8"

QUERVAIN
KD 498.20



KD 510.17
170mm / 6 $\frac{3}{4}$ "

KD 513.16
160mm / 6 $\frac{1}{2}$ "

WILLIGER
KD 510.17 - KD 513.16



KD 520.15
150mm / 6"

KD 521.15
150mm / 6"

KÖNIG
KD 520.15 - KD 521.15



KD 523.16
160mm / 6 $\frac{1}{2}$ "

KD 523.16



KD 527.19
190mm / 7 $\frac{1}{2}$ "

MC DONALD
KD 527.19

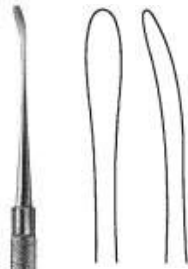


KD 529.13
130mm / 5"

KD 529.18
180mm / 7"

WATSON - CHEYNE
KD 529.13 - KD 529.18

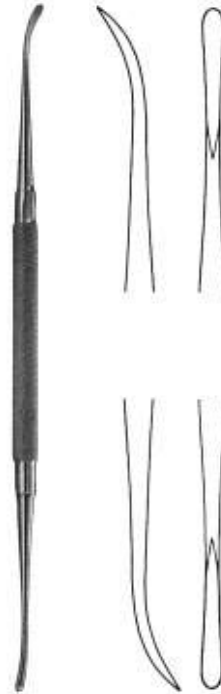
4 mm



RD 541.19
190mm / 7½"
scharf
sharp
acuto
agudo

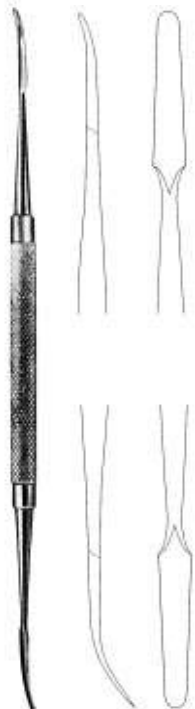
RD 543.19
190mm / 7½"
stumpf
blunt
smusso
romo

FREER
RD 541.19 - RD 543.19



RD 544.18
180mm / 7"
scharf / stumpf
sharp / blunt
acuto / smusso
agudo / romo

FREER - YASARGIL
RD 544.18



RD 545.18
180mm / 7"
scharf / stumpf
sharp / blunt
acuto / smusso
agudo / romo

KILLIAN
RD 545.18



RD 546.18
180mm / 7"
scharf / scharf
sharp / sharp
acuto / acuto
agudo / agudo

FREER
RD 546.18



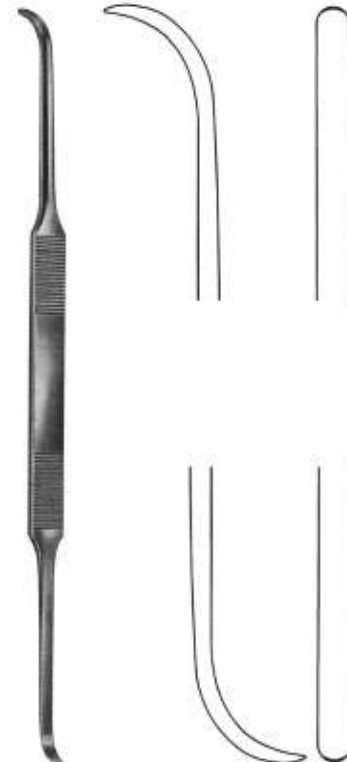
KILLIAN
RD 556.22

RD 556.22
220mm / 8³/₄"
scharf / stumpf
sharp / blunt
acuto / smusso
agudo / romo



COTTLE
RD 557.20

RD 557.20
200mm / 8"



COTTLE
RD 559.23

RD 559.23
230mm / 9"
scharf / scharf
sharp / sharp
acuto / acuto
agudo / agudo



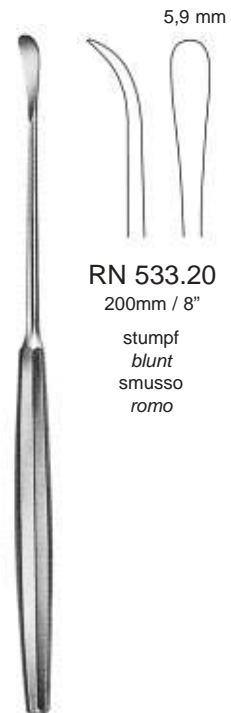
HOWARTH
RD 573.21

RD 573.21
210mm / 8¹/₄"
scharf / stumpf
sharp / blunt
acuto / smusso
agudo / romo



HALLE
RN 525.16

RN 525.16
160mm / 6¹/₂"
stumpf
blunt
smusso
romo



SEWALL
RN 533.20

RN 533.20
200mm / 8"
stumpf
blunt
smusso
romo



KM 120.10
 10mm // 200mm / 8"

KM 120.15
 12mm // 200mm / 8"

WALTER
 KM 120.10 - KM 120.15



KM 122.06
 6mm // 200mm / 8"

KM 122.08
 8mm // 200mm / 8"

KM 122.10
 10mm // 200mm / 8"

KM 122.12
 12mm // 200mm / 8"

KM 122.15
 15mm // 200mm / 8"

KM 122.20
 20mm // 200mm / 8"

KM 122.25
 25mm // 200mm / 8"

STILLE
 KM 122.06 - KM 122.25



KM 123.06
 6mm // 200mm / 8"

KM 123.08
 8mm // 200mm / 8"

KM 123.10
 10mm // 200mm / 8"

KM 123.12
 12mm // 200mm / 8"

KM 123.15
 15mm // 200mm / 8"

KM 123.20
 20mm // 200mm / 8"

KM 123.25
 25mm // 200mm / 8"

STILLE
 KM 123.06 - KM 123.25



KM 124.06
 6mm // 200mm / 8"

KM 124.08
 8mm // 200mm / 8"

KM 124.10
 10mm // 200mm / 8"

KM 124.12
 12mm // 200mm / 8"

KM 124.15
 15mm // 200mm / 8"

KM 124.20
 20mm // 200mm / 8"

KM 124.25
 25mm // 200mm / 8"

STILLE
 KM 124.06 - KM 124.25



feines Modell
fine pattern
 modelli delicati
modelos delgados

KM 125.10
 10mm // 200mm / 8"

KM 125.12
 12mm // 200mm / 8"

KM 125.15
 15mm // 200mm / 8"

KM 125.20
 20mm // 200mm / 8"

KM 125.25
 25mm // 200mm / 8"

STILLE
KM 125.10 - KM 125.25



KM 126.06
 6mm // 200mm / 8"

KM 126.08
 8mm // 200mm / 8"

KM 126.10
 10mm // 200mm / 8"

KM 126.12
 12mm // 200mm / 8"

KM 126.15
 15mm // 200mm / 8"

KM 126.20
 20mm // 200mm / 8"

KM 126.25
 25mm // 200mm / 8"

STILLE
KM 126.06 - KM 126.25



KM 134.05
 5mm // 220mm / 8 3/4"

KM 134.07
 7mm // 220mm / 8 3/4"

KM 134.10
 10mm // 220mm / 8 3/4"

KM 134.15
 15mm // 220mm / 8 3/4"

KM 134.20
 20mm // 220mm / 8 3/4"

KM 134.25
 25mm // 220mm / 8 3/4"

KM 134.30
 30mm // 220mm / 8 3/4"

Ferrozellgriff,
Handle from artificial wood,
 Manico in "Ferrozell",
Mango de madera artificial

LEXER
KM 134.05 - KM 134.30



KM 135.05
 5mm // 220mm / 8 3/4"

KM 135.07
 7mm // 220mm / 8 3/4"

KM 135.10
 10mm // 220mm / 8 3/4"

KM 135.15
 15mm // 220mm / 8 3/4"

KM 135.20
 20mm // 220mm / 8 3/4"

KM 135.25
 25mm // 220mm / 8 3/4"

KM 135.30
 30mm // 220mm / 8 3/4"

Ferrozellgriff,
Handle from artificial wood,
 Manico in "Ferrozell",
Mango de madera artificial

LEXER
KM 135.05 - KM 135.30



KM 138.04
4mm // 240mm / 9½"

KM 138.06
6mm // 240mm / 9½"

KM 138.10
10mm // 240mm / 9½"

KM 138.13
13mm // 240mm / 9½"

KM 138.15
15mm // 240mm / 9½"

KM 138.18
18mm // 240mm / 9½"



KM 138.25
25mm // 240mm / 9½"

KM 138.30
30mm // 240mm / 9½"

KM 138.38
38mm // 240mm / 9½"

KM 138.44
44mm // 240mm / 9½"

KM 138.50
50mm // 240mm / 9½"

LAMBOTTE
KM 138.04 - KM 138.50



KM 139.04
4mm // 240mm / 9½"

KM 139.06
6mm // 240mm / 9½"

KM 139.10
10mm // 240mm / 9½"

KM 139.13
13mm // 240mm / 9½"

KM 139.15
15mm // 240mm / 9½"

KM 139.18
18mm // 240mm / 9½"



KM 139.25
25mm // 240mm / 9½"

KM 139.30
30mm // 240mm / 9½"

KM 139.38
38mm // 240mm / 9½"

KM 139.44
44mm // 240mm / 9½"

KM 139.50
50mm // 240mm / 9½"

LAMBOTTE
KM 139.04 - KM 139.50



KM 141.06
6mm // 230mm / 9"

KM 141.08
8mm // 230mm / 9"

KM 141.11
11mm // 230mm / 9"

KM 141.16
16mm // 230mm / 9"

KM 141.06 - KM 141.16



KM 142.08
8mm // 250mm / 10"

KM 142.10
10mm // 250mm / 10"

NIEDERDELLMANN
KM 142.08 - KM 142.10



KM 179.05
5,5mm // 230mm / 9"

KM 179.09
9mm // 230mm / 9"

ZIELKE
KM 179.05 - KM 179.09





COBB
KM 180.28
280mm / 11"



COBB
KM 181.28
280mm / 11"



COBB
KM 182.28
280mm / 11"



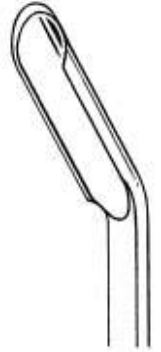
COBB
KM 183.28
280mm / 11"

Ferrozellgriff, *Handle from artificial wood*, Manico in "Ferrozell", *Mango de madera artificial*





Meißel und Osteotome
Bone Chisels and Gouges
Scalpelli ed Osteotomi
Cinceles y gubias para huesos



KM 192.04
4mm // 300mm / 12"

KM 193.04
4mm // 300mm / 12"

KM 194.04
4mm // 300mm / 12"

KM 195.04
4mm // 300mm / 12"



KM 192.05
5mm // 300mm / 12"

KM 193.05
5mm // 300mm / 12"

KM 194.05
5mm // 300mm / 12"

KM 195.05
5mm // 300mm / 12"



KM 192.06
6mm // 300mm / 12"

KM 193.06
6mm // 300mm / 12"

KM 194.06
6mm // 300mm / 12"

KM 195.06
6mm // 300mm / 12"



KM 192.08
8mm // 300mm / 12"

KM 193.08
8mm // 300mm / 12"

KM 194.08
8mm // 300mm / 12"

KM 195.08
8mm // 300mm / 12"



KM 192.10
10mm // 300mm / 12"

KM 193.10
10mm // 300mm / 12"

KM 194.10
10mm // 300mm / 12"

KM 195.10
10mm // 300mm / 12"



KM 192.12
12mm // 300mm / 12"

KM 193.12
12mm // 300mm / 12"

KM 194.12
12mm // 300mm / 12"

KM 195.12
12mm // 300mm / 12"



KM 192.15
15mm // 300mm / 12"

KM 193.15
15mm // 300mm / 12"

KM 194.15
15mm // 300mm / 12"

KM 195.15
15mm // 300mm / 12"



KM 192.20
20mm // 300mm / 12"

KM 193.20
20mm // 300mm / 12"

KM 194.20
20mm // 300mm / 12"

KM 195.20
20mm // 300mm / 12"



KM 192.22
22mm // 300mm / 12"

KM 193.22
22mm // 300mm / 12"

KM 194.22
22mm // 300mm / 12"

KM 195.22
22mm // 300mm / 12"



KM 192.25
25mm // 300mm / 12"

KM 193.25
25mm // 300mm / 12"

KM 194.25
25mm // 300mm / 12"

KM 195.25
25mm // 300mm / 12"

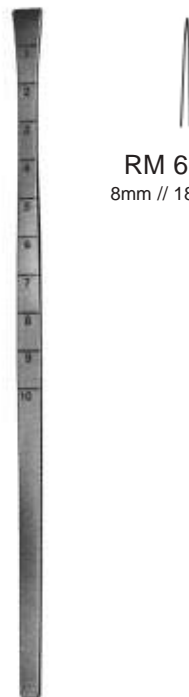


DAHMEN
KM 192.04 - KM 195.25



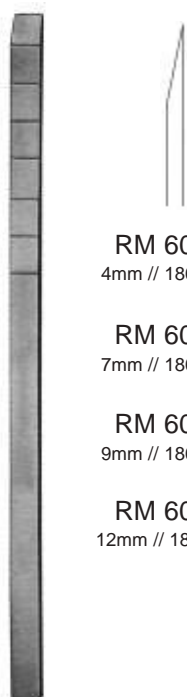
QN 656.24
 11mm // 240mm / 9½"

OBWEGESER
QN 656.24



RM 603.08
 8mm // 180mm / 7"

COTTLE
RM 603.08



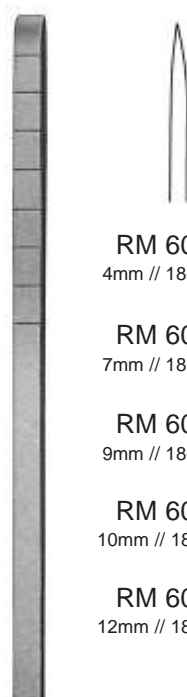
RM 604.04
 4mm // 180mm / 7"

RM 604.07
 7mm // 180mm / 7"

RM 604.09
 9mm // 180mm / 7"

RM 604.12
 12mm // 180mm / 7"

COTTLE
RM 604.04 - RM 604.12



RM 606.04
 4mm // 180mm / 7"

RM 606.06
 7mm // 180mm / 7"

RM 606.08
 9mm // 180mm / 7"

RM 606.10
 10mm // 180mm / 7"

RM 606.12
 12mm // 180mm / 7"

COTTLE
RM 606.04 - RM 606.12



Raspatorien
 Periosteal Raspatories
 Periostotomi
 Legras - Periostótomos



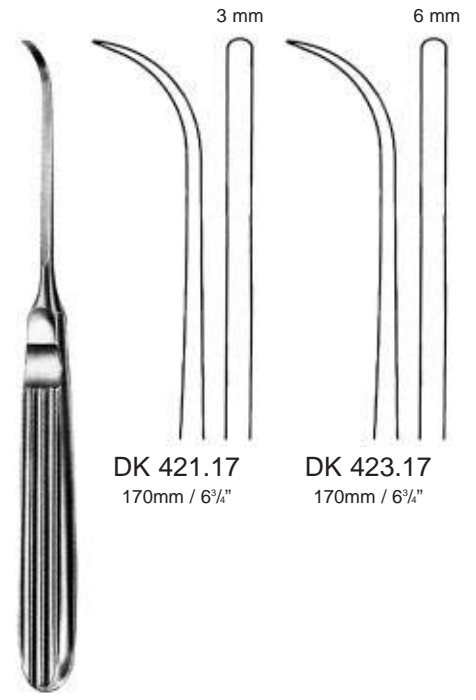
DK 418.19
 190mm / 7½"

BÜCHS
 DK 418.19



DK 420.16
 165mm / 6¼"

MEAD
 DK 420.16



DK 421.17
 170mm / 6¾"

DK 423.17
 170mm / 6¾"

DK 421.17 - DK 423.17



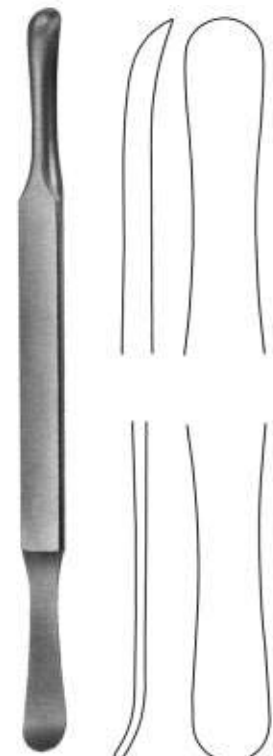
DK 448.19
 190mm / 7½"

MOLT
 DK 448.19



DK 452.15
 150mm / 6"

PARTSCH Mod. LANGE
 DK 452.15



DK 453.19
 190mm / 7½"

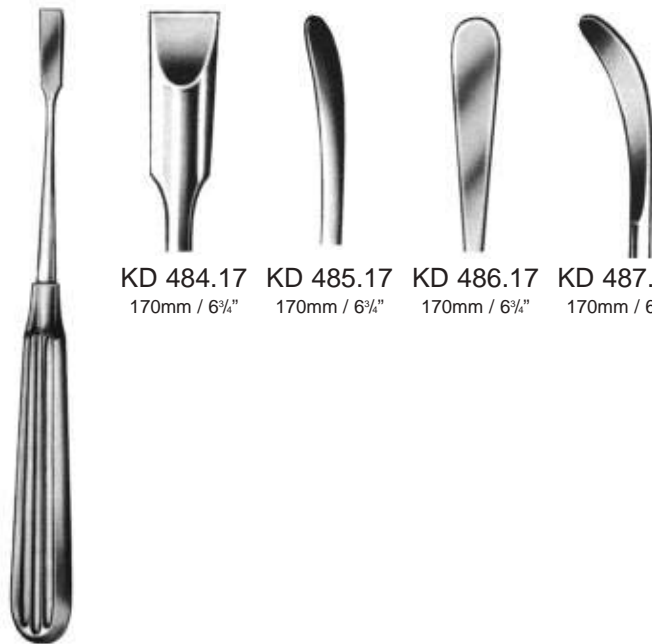
SELDIN
 DK 453.19



DN 314.14
 140mm / 5½"

DN 315.14
 140mm / 5½"

DN 314.14 - DN 315.14



KD 484.17 170mm / 6¾"
 KD 485.17 170mm / 6¾"
 KD 486.17 170mm / 6¾"
 KD 487.17 170mm / 6¾"

ADSON
 KD 484.17 - KD 487.17



KEY
 KD 519.06 - KD 519.25

6 mm
 KD 519.06
 180mm / 6"

19 mm
 KD 519.19
 200mm / 8"

12 mm
 KD 519.12
 190mm / 7½"

25 mm
 KD 519.25
 210mm / 8¼"



LANGENBECK
 KN 401.18

14 mm
 KN 401.18
 180mm / 7"



Raspatorien
Periosteal Raspatories
Periostotomi
Legras - Periostótomos



KN 402.19
190mm / 7½"

LANGENBECK
KN 402.19



KN 403.19
190mm / 7½"

McKISSOCK
KN 403.19



KN 405.16
165mm / 6½"

JANSEN
KN 405.16



KN 408.18
185mm / 7¼"

KRÄMER
KN 408.18



KN 409.19
190mm / 7½"

KRÄMER
KN 409.19



KN 413.15
150mm / 6"

TRELAT
KN 413.15

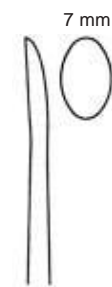
Raspatorien
Periosteal Raspatories
 Periostotomi
Legras - Periostótomos



MANNERFELT
 KN 414.07 - KN 414.86



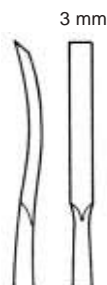
KN 414.04
 155mm / 6"



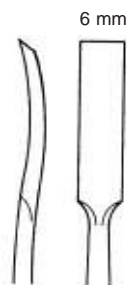
KN 414.07
 155mm / 6"



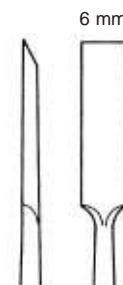
KN 414.09
 155mm / 6"



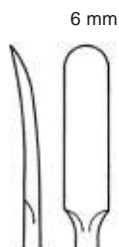
KN 414.23
 155mm / 6"



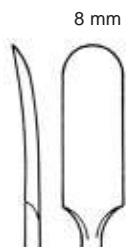
KN 414.26
 155mm / 6"



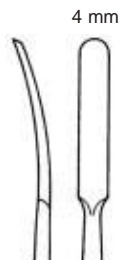
KN 414.36
 155mm / 6"



KN 414.46
 155mm / 6"



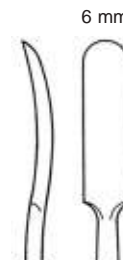
KN 414.48
 155mm / 6"



KN 414.64
 155mm / 6"



KN 414.65
 155mm / 6"



KN 414.66
 155mm / 6"



KN 414.84
 155mm / 6"



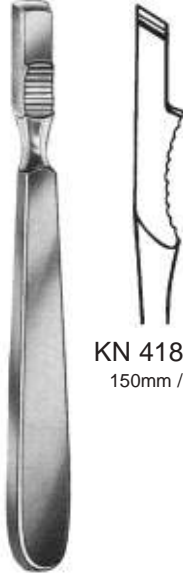
KN 414.86
 155mm / 6"



KN 414.93
 155mm / 6"



12,5 mm



KN 418.15
150mm / 6"

FARABEUF
KN 418.15

12,5 mm



KN 419.15
150mm / 6"

FARABEUF
KN 419.15

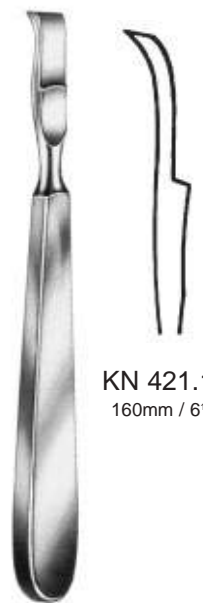
11 mm



KN 420.16
160mm / 6½"

FARABEUF - COLLIN
KN 420.16

11 mm



KN 421.16
160mm / 6½"

FARABEUF - COLLIN
KN 421.16

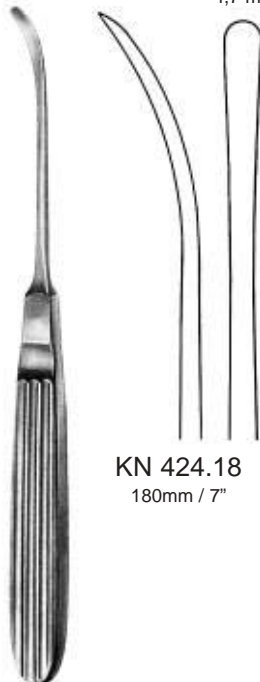
15 mm



KN 427.21
210mm / 8¼"

SEDILLOT
KN 427.21

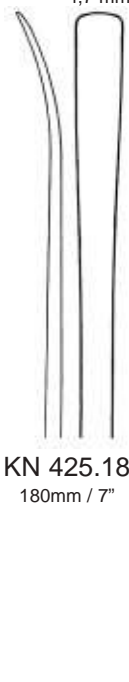
4,7 mm



KN 424.18
180mm / 7"

LANDOLT
KN 424.18

4,7 mm



KN 425.18
180mm / 7"

CASPAR
KN 425.18

18 mm



KN 429.18
180mm / 7"

SEDILLOT
KN 429.18

Raspatorien
Periosteal Raspatories
 Periostotomi
Legras - Periostótomos



KN 428.18
 180mm / 7"



KN 430.20
 200mm / 8"



KN 431.20
 200mm / 8"



KN 432.20
 200mm / 8"

Ferrozellgriff, Handle from artificial wood, Manico in "Ferrozell", Mango de madera artificial



KN 432.18
 180mm / 7"



KN 433.18
 180mm / 7"



KN 435.18
 180mm / 7"



KN 438.19
 190mm / 7½"

Ferrozellgriff, Handle from artificial wood, Manico in "Ferrozell", Mango de madera artificial



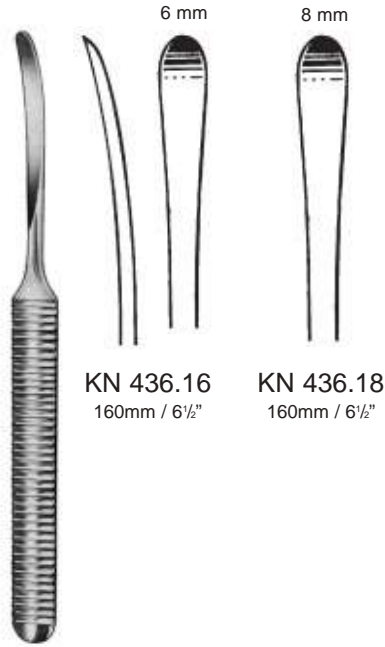


Raspatorien
Periosteal Raspatories
Periostotomi
Legras - Periostótomos



KN 434.13
130mm / 5"

WILLIGER
KN 434.13



KN 436.16
160mm / 6 1/2"

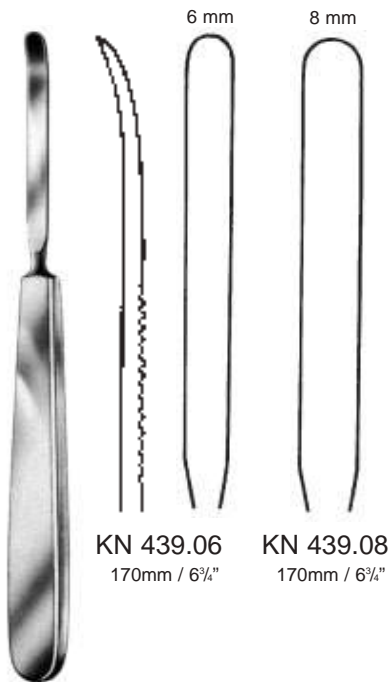
KN 436.18
160mm / 6 1/2"

WILLIGER
KN 436.16 - KN 436.18



KN 437.15
155mm / 6"

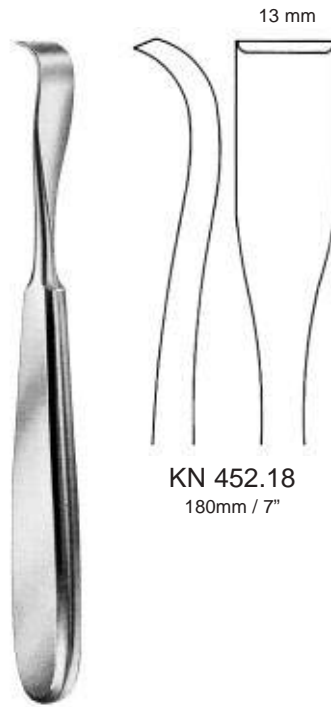
KÖNIG
KN 437.15



KN 439.06
170mm / 6 3/4"

KN 439.08
170mm / 6 3/4"

KN 439.06 - KN 439.08



KN 452.18
180mm / 7"

SCHNEIDER
KN 452.18



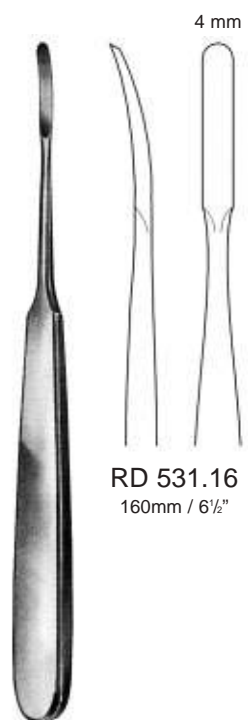
KN 453.19
190mm / 7 1/2"

SCHNEIDER - SAUERBRUCH
KN 453.19



- KN 461.05 // 5 mm
210mm / 8¹/₄"
- KN 461.10 // 10 mm
210mm / 8¹/₄"
- KN 461.15 // 15 mm
210mm / 8¹/₄"
- KN 461.20 // 20 mm
210mm / 8¹/₄"
- KN 461.25 // 25mm
210mm / 8¹/₄"

LAMBOTTE
KN 461.05 - KN 461.25



- 4 mm
- RD 531.16
160mm / 6¹/₂"

JOSEPH
RD 531.16



- 4,4 mm
- RN 521.04
155mm / 6"

McKENTY
RN 521.04



Raspatorien
Periosteal Raspatories
Periostotomi
Legras - Periostótomos

4 mm



KN 471.04
240mm / 9½"

6 mm



KN 471.06
240mm / 9½"

8 mm



KN 471.08
240mm / 9½"

10 mm



KN 471.10
240mm / 9½"

13 mm



KN 471.13
240mm / 9½"

19 mm



KN 471.19
240mm / 9½"

25 mm



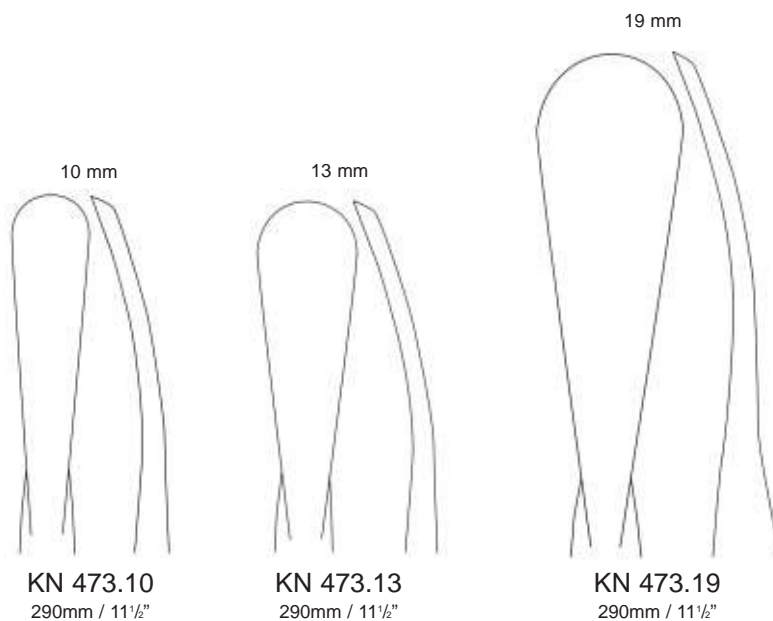
KN 471.25
240mm / 9½"



COBB
KN 471.04 - KN 471.25



COBB
 KN 473.10 - KN 473.19



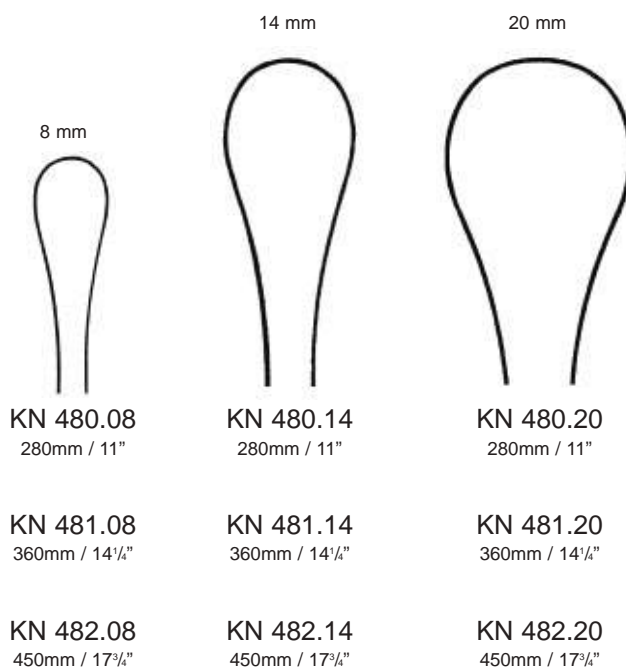
KN 473.10
 290mm / 11½"

KN 473.13
 290mm / 11½"

KN 473.19
 290mm / 11½"



COBB
 KN 480.08 - KN 482.20



KN 480.08
 280mm / 11"

KN 480.14
 280mm / 11"

KN 480.20
 280mm / 11"

KN 481.08
 360mm / 14¼"

KN 481.14
 360mm / 14¼"

KN 481.20
 360mm / 14¼"

KN 482.08
 450mm / 17¾"

KN 482.14
 450mm / 17¾"

KN 482.20
 450mm / 17¾"



KOPF-SCHÄDEL INSTRUMENTE
HEAD-CRANIO INSTRUMENTS



STRUMENTI PER IL CRANIO
INSTRUMENTAL PARA EL CRANIO



LEYLA
NV 250.00

LEYLA-Retraktor System zum Fixieren am OP-Tisch komplett, bestehend aus:
 LEYLA Self Retraining Retractor for fixation to operating table complete, consisting of:
 LEYLA Sistema divaricatore completo di:
 LEYLA Sistema de separadores completo de:

LEYLA		Kugelgelenkkloben
NV 250.00:	NV 250.02	Ball and socket joint
		Giunto a sfera ad incastro
		Articulación esférica
	NV 250.04	Haltearm
		Holding Rod
		Porta asta
		Brazo de apoyo
	NV 250.06	Kupplungskopf
		Coupling Head
		Testa accoppiamento
		Acoplamiento
	NV 251.02	Flexibler Spannarm (2x)
		Flexible arm (2x)
		Braccio flessibile (2x)
		Brazo flexible (2x)
	NV 251.12	Spatelhalter für flache Spatel (2x)
		Support for flat brain spatula (2x)
		Supporto per spatola cervicale piatto (2x)
		Porta-espátula para espátulas planas (2x)
	NQ 721.09	Hirnspatel, 9mm
		Brain spatula, 9mm
		Spatola cerebrale, 9mm
		Espátula cerebro, 9mm
	NQ 721.12	Hirnspatel, 12mm
		Brain spatula, 12mm
		Spatola cerebrale, 12mm
		Espátula cerebro, 12mm



LEYLE NV 250.02

Kugelgelenkkloben
 Ball and socket joint
 Giunto a sfera ad incastro
 Articulación esférica



LEYLE NV 250.04

Haltearm, zerlegbar
 Holding Rod, detachable
 Porta asta, smontabile
 Brazo de apoyo, desmontable



LEYLE NV 250.06

Kupplungskopf
 Coupling Head
 Testa accoppiamento
 Acoplamiento

für max. 5 Spannarme
 to hold max. 5 flexible arms
 per mas. 5 braccio flessibile
 para máx. 5 brazo flexible



LEYLE NV 250.08

Kupplungskopf, drehbar
 Coupling Head, turnable
 Testa accoppiamento, giratorio
 Acoplamiento, girable

für 1 Spannarm
 to hold 1 flexible arm
 per 1 braccio flessibile
 para 1 brazo flexible

LEYLE NV 250.09

Kupplungskopf, seitlich offen
 Coupling Head, lateral open
 Testa accoppiamento, laterale aperto
 Acoplamiento, lateralmente abierto



YASARGIL
NV 251.01



YASARGIL	NV 251.00:	Hirnspatelhalter, flexibel, für 1 flachen Spatel, komplett: <i>Brain retractor, flexible, for 1 flat spatula, complete:</i> Supporto, flessibile, per 1 spatola cervicale piatta, completa: <i>Porta-espátula, flexible para 1 espátula plana, completa:</i>
	NV 251.02	Flexibler Spannarm, allein <i>Flexible arm, only</i> Braccio flessibile, solo <i>Brazo flexible, suelto</i>
	NV 251.04	Fixiervorrichtung für 1 Spannarm <i>Fixation base for 1 flexible arm</i> Base di fissaggio per 1 braccio fless. <i>Dispositivo para 1 brazo flexible</i>
	NV 251.12	Halter für flache Spatel <i>Support for flat brain spatula</i> Supporto per spatola cervicale piatt <i>Porta-espátula para espátulas planas</i>

YASARGIL	NV 251.01:	Hirnspatelhalter, flexibel, für 2 flache Spatel, komplett: <i>Brain retractor, flexible, for 2 flat spatulas, complete:</i> Supporto, flessibile, per 2 spatola cervicale piatta, completa: <i>Porta-espátula, flexible para 2 espátulas planas, completa:</i>
	NV 251.02 (2X)	Flexibler Spannarm, allein <i>Flexible arm, only</i> Braccio flessibile, solo <i>Brazo flexible, suelto</i>
	NV 251.06	Fixiervorrichtung für 2 Spannarme <i>Fixation base for 2 flexible arms</i> Base di fissaggio per 2 bracci fless. <i>Dispositivo para 2 brazos flexible</i>
	NV 251.12 (2x)	Halter für flache Spatel <i>Support for flat brain spatula</i> Supporto per spatola cervicale piatt <i>Porta-espátula para espátulas planas</i>

YASARGIL	NV 251.02	Flexibler Spannarm, allein <i>Flexible arm, only</i> Braccio flessibile, solo <i>Brazo flexible, suelto</i>
----------	-----------	--

	NV 252.00:	Ohrspekulahalter, komplett: <i>Ear Specula Holder, complete:</i> Supporto p.Specula orecc., completa: <i>Porta-Espéculo auricular, completa:</i>
	NV 251.02	Flexibler Spannarm, allein <i>Flexible arm, only</i> Braccio flessibile, solo <i>Brazo flexible, suelto</i>
	NV 251.08	Fixiervorrichtung an Rohrteilen Ø16 <i>Fixation base for bars up to Ø16mm</i> Base d.fissaggio p.asta de racc.Ø16 <i>Dispositivo para tubos hasta Ø16mm</i>
	NV 252.01	Ohrspekulahalter, allein <i>Ear Specula Holder, only</i> Supporto p.Specula orecchia, solo <i>Porta-Espéculo auricular, suelto</i>



NV 251.04

Fixiervorrichtung am Schädel für 1
flexiblen Spannarm
*Fixation base for skull mounting,
holding 1 flexible arm*
Base d.fissaggio per 1 braccio
flessibile, per il supporto del cranio
*Dispositivo para 1 brazo flexible,
para fijar en el craneo*



NV 251.06

Fixiervorrichtung am Schädel für 2
flexible Spannarme
*Fixation base for skull mounting,
holding 2 flexible arms*
Base d.fissaggio per 2 bracci
flessibile, per il supporto del cranio
*Dispositivo para 1 brazos flexible,
para fijar en el craneo*



NV 251.08

Fixiervorrichtung an Rohrteilen bis
Ø16mm, für 1 flexiblen Spannarm
*Fixation base for mounting on bars up to
Ø16mm, for 1 flexible arm*
Base d.fissaggio per 1 braccio flessi.,
p.supporto di asta de raccordo Ø16
*Dispositivo para 1 brazo flexible, para fijar
en tubos hasta Ø16mm*



NV 251.10

Halter für Spatel mit rundem Schaft
Support for brain spatula w.round shaft
Supporto p.spatola c.manico rotondo
Porta-espátula con vástago redondo



NV 251.12

Halter für flachen Spatel
Support for flat brain spatula
Supporto per spatola cervicale piatt
Porta-espátula para espátulas planas





Hirnspatel
Brain Spatulas
Spatola cerebrale
Espátula cerebral



NQ 700.20
200mm / 8" // 20mm

NQ 700.14 200mm / 8"	14mm	
NQ 700.17 200mm / 8"	17mm	biegsam malleable malleabile maleable
NQ 700.20 200mm / 8"	20mm	



HEIFETZ
NQ 701.14
155mm / 6" // 14mm

HEIFETZ	NQ 701.08 155mm / 6"	8mm	
	NQ 701.11 155mm / 6"	11mm	biegsam malleable malleabile maleable
	NQ 701.14 155mm / 6"	14mm	
	NQ 701.17 155mm / 6"	17mm	



CUSHING
NQ 702.11
180mm / 7" // 11 + 13mm

CUSHING	NQ 702.07 180mm / 7"	7 + 9mm	
	NQ 702.11 180mm / 7"	11 + 13mm	biegsam <i>malleable</i>
	NQ 702.15 180mm / 7"	15 + 18mm	<i>malleabile</i> <i>malleable</i>
	NQ 702.18 180mm / 7"	18 + 22mm	



OLIVECRONA
NQ 703.11
180mm / 7" // 11 + 13mm

OLIVECRONA	NQ 703.07 180mm / 7"	7 + 9mm	
	NQ 703.11 180mm / 7"	11 + 13mm	biegsam, konkav <i>malleable, concave</i>
	NQ 703.15 180mm / 7"	15 + 18mm	<i>malleabile, concava</i> <i>malleable, concave</i>
	NQ 703.18 180mm / 7"	18 + 22mm	

OLIVECRONA	NQ 704.07 180mm / 7"	7 + 9mm	
	NQ 704.11 180mm / 7"	11 + 13mm	biegsam, konvex <i>malleable, convex</i>
	NQ 704.15 180mm / 7"	15 + 18mm	<i>malleabile, convessa</i> <i>malleable, convexa</i>
	NQ 704.18 180mm / 7"	18 + 22mm	





Hirnspatel
Brain Spatulas
Spatola cerebrale
Espátula cerebral



AACHEN
NQ 720.07
200mm / 8" // 7 + 8mm

AACHEN	NQ 720.07 200mm / 8"	7 + 8mm	
	NQ 720.10 200mm / 8"	10 + 11mm	
	NQ 720.13 200mm / 8"	13 + 14mm	biegsam <i>malleable</i> malleabile <i>maleable</i>
	NQ 720.16 200mm / 8"	16 + 17mm	
	NQ 720.19 200mm / 8"	19 + 20mm	
	NQ 720.22 200mm / 8"	22 + 25mm	



NQ 721.09
200mm / 8" // 9mm

	NQ 721.09 200mm / 8"	9mm	
	NQ 721.12 200mm / 8"	12mm	gerieft, biegsam <i>serrated, malleable</i> zigrinato, malleabile <i>estrías, maleable</i>
	NQ 722.12 250mm / 10"	12mm	



NQ 723.17
200mm / 8" // 17mm

NQ 723.06 200mm / 8"	6mm	
NQ 723.08 200mm / 8"	8mm	
NQ 723.10 200mm / 8"	10mm	
NQ 723.12 200mm / 8"	12mm	biegsam malleable malleabile maleable
NQ 723.14 200mm / 8"	14mm	
NQ 723.17 200mm / 8"	17mm	
NQ 723.20 200mm / 8"	20mm	
NQ 723.25 200mm / 8"	25mm	



MEMORY
NQ 724.09
200mm / 8" // 9mm

NQ 724.09 200mm / 8"	9mm	
NQ 724.12 200mm / 8"	12mm	
NQ 724.14 200mm / 8"	14mm	biegsam malleable malleabile maleable
MEMORY NQ 724.18 200mm / 8"	18mm	
NQ 724.20 200mm / 8"	20mm	
NQ 724.25 200mm / 8"	25mm	

Aus spezieller Legierung mit **MEMORY Effekt**: verformt sich bei der Sterilisation automatisch in den ursprünglich geraden Zustand.

*Out of special alloy with **MEMORY effect**: straightens out automatically under sterilisation process.*

Lega speciale con **effetto MEMORY**: durante le sterilizzazione si sforma automaticamente nel suo stato originale retto.

*Aleación especial con **efecto MEMORY**: durante la esterilización vuelve automáticamente a su estado originario recto.*





Schädelstanzen
Cranial Rongeurs
Pinze per cranio
Pinza saca-bocado craneal



DAHLGREN

NL 654.21
210mm / 8¹/₄"

Schädelstanze, mit 2 Reserveblättern
Cranial Punch Rongeur, with 2 spare blades
Pinza per cranio, con 2 gancio
Pinza saca-bocado craneal, con 2 gancho

DAHLGREN
NL 654.21
210mm / 8¹/₄"



DE VILBISS

NL 658.21
210mm / 8¹/₄"

Schädelstanze, mit 1 großen & kleinem Blatt
Cranial Punch Rongeur, with 1 large & small blade
Pinza per cranio, con 1 gancio piccolo e grande
Pinza saca-bocado cr., con 1 ganc. peq. y grande

DE VILBISS
NL 658.21
210mm / 8¹/₄"

Schädelstanzen
Cranial Rongeurs
Pinze per cranio
Pinza saca-bocado craneal



NL 659.20
200mm / 8"

NL 659.20
200mm / 8"

Bohrloch Schutzzange
Bore Hole Protection Forceps
Pinza protettiva trivella
Pinza protección taladro



CONE
NL 661.12
225mm / 9"

CONE

NL 661.07
225mm / 9"

Schädelstanze, bis 7mm Schädelstärke
Cranial Punch Rongeur, for skull thickn. up to 7mm
Pinza per cranio, per spessore-cranio fino a 7mm
Pinza saca-boca.cran., hasta espes.de hueso 7mm

NL 661.12
225mm / 9"

Schädelstanze, bis 12mm Schädelstärke
Cranial Punch Rongeur, for skull thick. up to 12mm
Pinza per cranio, per spessore-cranio fino a 12mm
Pinza saca-boca.cran., hast.espes.de hueso 12mm

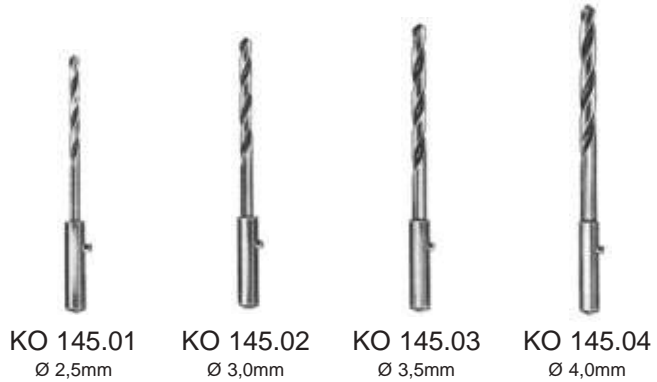




Handbohrapparate
Bone Hand Drills
Perforatori, Trapani a mano
Perforadores manuales



STILLE
KO 144.00
 200mm / 8"



KO 145.01 Ø 2,5mm
KO 145.02 Ø 3,0mm
KO 145.03 Ø 3,5mm
KO 145.04 Ø 4,0mm



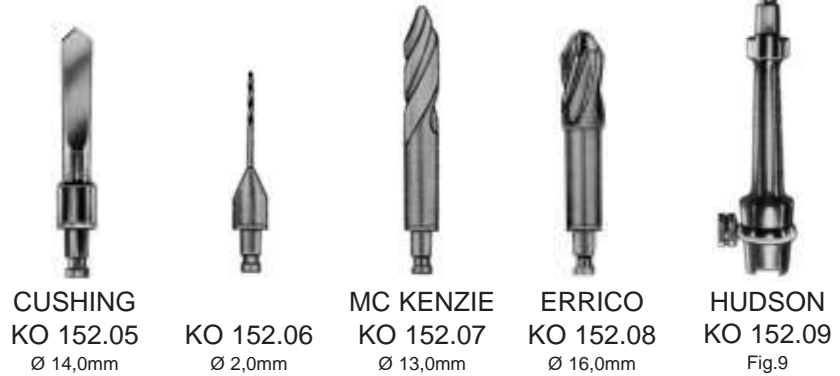
KO 145.05 Ø 10,0mm
KO 145.06 Ø 5,0mm
KO 145.07 Ø 8,0mm
KO 145.08 Ø 12,0mm
KO 145.09 Ø 16,0mm



HUDSON
KO 152.00
 270mm / 10½"



KO 152.01 Ø 9,0mm
KO 152.02 Ø 14,0mm
KO 152.03 Ø 16,0mm
KO 152.04 Ø 22,0mm



CUSHING
KO 152.05 Ø 14,0mm
KO 152.06 Ø 2,0mm
MC KENZIE
KO 152.07 Ø 13,0mm
ERRICO
KO 152.08 Ø 16,0mm
HUDSON
KO 152.09 Fig.9

Einfacher Handbohrapparat mit Fräsern Fig. 1-4 und Verlängerungsstück Fig.9,
 Hand drill, with 4 burrs, fig.1-4 and extension piece fig.9,
 Perforatore a mano con 4 frese fig.1-4 e giunto di prolungamento fig.9,
 Perforador manual, con 4 fresas fig.1-4 y pieza alargadera fig.9



MOORE

KO 156.00

Handbohrapparat mit 3 Spiralbohrern
Hand drill, with 3 drills
 Perforatore a mano con 3 punte a spirale
 Perforador manual, con 3 taladros espirales



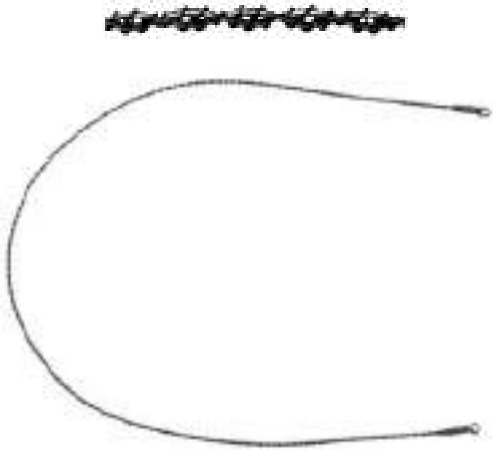
KO 156.08

1 Bohrer 90mm/Ø 3,2mm und 2 Bohrer 70mm/Ø 3,2mm
1 drill 90mm/Ø 3,2mm and 2 drills 70mm/Ø 3,2mm
 1 punta 90mm/Ø 3,2mm e 2 punte 70mm/Ø 3,2mm
 1 taladro 90mm/Ø 3,2mm y 2 taladros 70mm/Ø 3,2mm



KO 158.00

Handbohrapparat mit umstellbarem Handgriff, mit Jacobs
 Dreibacken-Spannfutter & Schlüssel, Spannweite bis 6,35mm
*Hand drill with adjustable handle, with Jacobs three-jaw-chuck
 and wrench, accomodating up to 6,35mm*
 Perforatore a mano con manico regolabile, con mandrino a tre
 ganasce di Jacobs e chiave, apertura 6,35mm
 Perforador de mano en T con cierre Jacobs de 3 mordazas y
 llave de ajuste, abriendo hasta 6,35mm



	NV 600.30	300mm / 12"	
	NV 600.40	400mm / 16"	
OLIVERCRONA	NV 600.50	500mm / 20"	Drahtsäge Wire saw Sega di filo Sierra de hilo
	NV 600.60	600mm / 24"	
	NV 600.70	700mm / 28"	



	NV 601.30	300mm / 12"	
GIGLI	NV 601.40	400mm / 16"	Drahtsäge, fein Wire saw, fine Sega di filo, fina Sierra de hilo, fina
	NV 601.50	500mm / 20"	



LEBSCHÉ
NV 620.25
 250mm / 10"



GIGLI	NV 603.50	500mm / 20"	Drahtsäge, grob Wire saw, coarse Sega di filo, grossa Sierra de hilo, gruesa
--------------	-----------	-------------	---

GIGLI	NV 602.01		Handgriff für Drahtsägen Handle for wire saws Manico ed uncino per seghe di fili Mango c. gancho para sierras de hilo
--------------	-----------	--	--



DE MARTEL
NV 618.33
 330mm / 13"

DE MARTEL	NV 618.33	330mm / 13"	Einföhrungsinstrument für Drahtsägen, flexibel Guiding instrument for wire saws, flexible Strum.introduttori per seghe in filo d'acciaio, fles. Instr.p.la introducción de las sierras de hilo, flex.
------------------	-----------	-------------	--

LEBSCHÉ	NV 620.25	250mm / 10"	Einföhrungsinstrument für Drahtsägen, flexibel Guiding instrument for wire saws, flexible Strum.introduttori per seghe in filo d'acciaio, fles. Instr.p.la introducción de las sierras de hilo, flex.
----------------	-----------	-------------	--

Kopfhautklammern und Klammer-Anlegezangen
Scalp haemostasis clips and clip applying forceps
Agrafes per il cranio e pinza per applicare
Grapas para cuero cabelludo y pinza para aplicar clips



McKENZIE NC 662.15
150mm / 6"

McKENZIE NC 662.19
190mm / 7½"

McKENZIE NC 663.15
150mm / 6"

McKENZIE NC 663.19
190mm / 7½"



NV 670.01 Klammerblock mit 1 Klam.bügel
148x40x6mm *Clip Rack with 1 clip holder*
Supporto porta-agrafes con 1 fila
Porta-grapas con 1 riel de grapas

NV 670.02 Klammerblock mit 2 Klam.bügel
190x48x13mm *Clip Rack with 2 clip holder*
Supporto porta-agrafes con 2 fili
Porta-grapas con 2 rieles d.grap.



McKENZIE NC 668.00 Silberklammern (100 Stück)
Silver Brain Clips (100 pieces)
Agrafes di argento (100 pz.)
Grapas de plata (100 piezas)



OLIVECRONA-TOENNIS NC 670.14
140mm / 5½" Klammer-Anlegezangen
Clip applying forceps
Pinza per applicare
Pinza para aplicar clips

OLIVECRONA-TOENNIS NC 670.20
200mm / 8"





Kopfhautklammern und Klammer-Anlegezangen
Scalp haemostasis clips and clip applying forceps
Agrafes per il cranio e pinza per applicare
Grapas para cuero cabelludo y pinza para aplicar clips



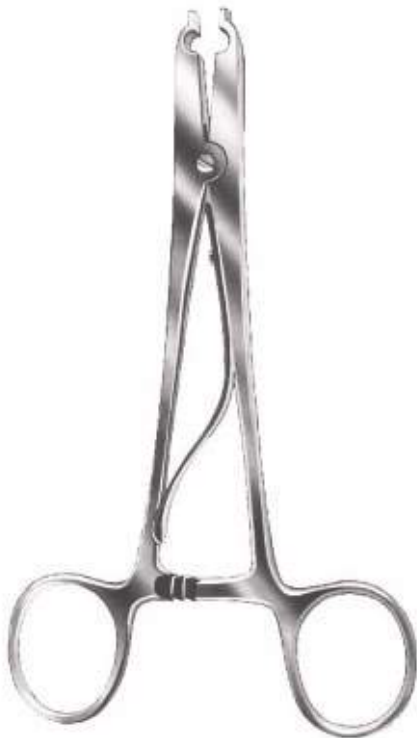
KÖLNER NC 674.00

Kopfhautklammer (50 Stück)
Hemostasis Clips (50 pieces)
 Agrafes per il cranio (50 pezzi)
 Grapas para cefálico (50 piezas)



RANEY NC 675.00

Kopfhautklammer (50 Stück)
Hemostasis Clips (50 pieces)
 Agrafes per il cranio (50 pezzi)
 Grapas para cefálico (50 piezas)



RANEY NC 676.00
 160mm / 6 1/4"

für Kopfhautklammer NC 675.00
for Hemostasis Clips NC 675.00
 Agrafes p. il cuoio capelluto NC 675.00
 Grapas para cefálico p. NC 675.00



JACOBS KO 158.06
 Ø6,35mm

Vorbohrer für Crutchfield-Schädelhalter
Drill point for Crutchfield cervic.traction tongs
 Alesatore per pinze di trazione craniale di
 Crutchfield
 Perforador inicial para pinzas de tracción
 craneal seg. Crutchfield



KO 641.04
 70mm // Ø3,5mm



KO 641.05
 70mm // Ø5,0mm

Schädelhalter
 Skull traction tongs
 Pinze p.trazi.craniale
 Estribo para tracción craneal



CRUTCH-FIELD

KO 641.01

Schädelhalter für Kinder
 Skull traction tongs for children
 Pinze p.trazi.craniale per bambini
 Estribo para tracción craneal para niños



CRUTCH-FIELD

KO 641.02

Schädelhalter, mittlere Größe
 Skull traction tongs, medium size
 Pinze p.trazi.craniale, medio
 Estribo para tracción craneal, mediano



CRUTCH-FIELD

KO 645.01

Schädelhalter, großes Modell
 Skull traction tongs, large type
 Pinze p.trazi.craniale, modello grande
 Estribo p.tracción craneal, grande mod.

KO 645.02

Gabelschlüssel für Schädelhalter
 Wrench for skull traction tongs
 Chiave a forcel. p.pinze p.trazi.craniale
 Llave de boca fija p.estribo p.trac.craneal.

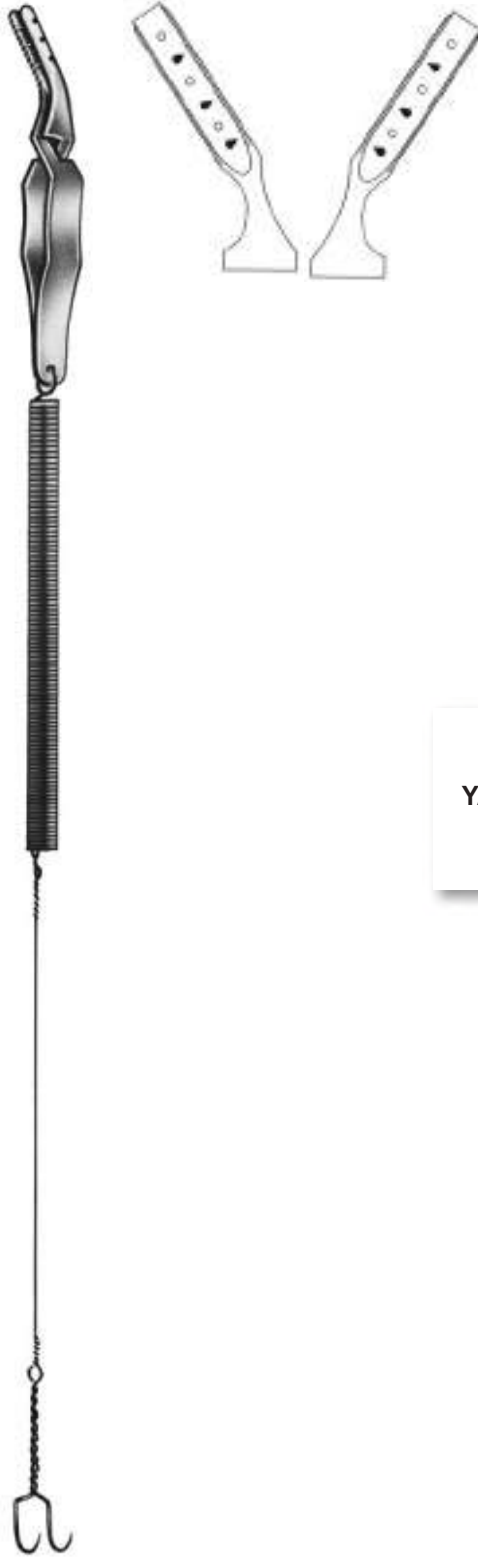
KO 645.03

Ersatzdom für Schädelhalter
 Spare pin for skull traction tongs
 Mandrino di ricam.p.pinze p.trazi.crania.
 Mandril sustituta p.estribo p.trac.craneal





Galeahaken
Galea Hook
Ganci Galea
Gancho Galea



YASARGIL	ND 678.01 310mm / 12 $\frac{1}{4}$ "
	ND 678.02 410mm / 16"

YASARGIL
ND 678.02
410mm / 16"





Kopf-Schädel Instrumente
Head-cranio instruments
Strumenti per il cranio
Instrumental para el cráneo



NV 500.01
100mm / 4"

Griff alleine
Handle single
Manico solo
Mango suelto



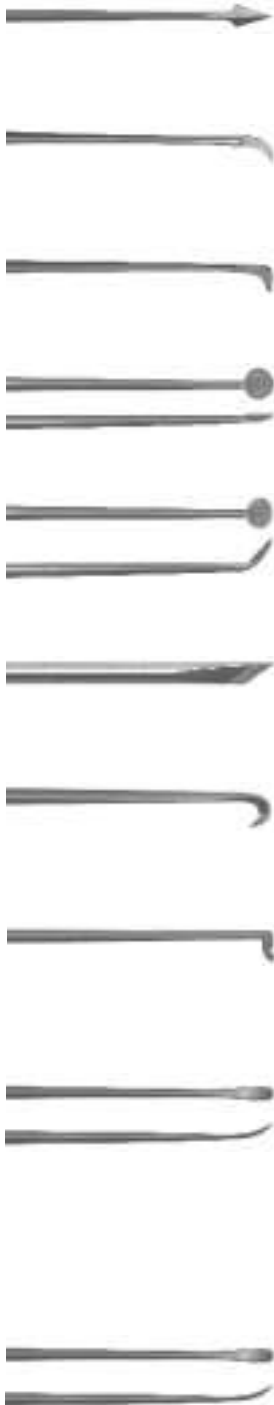
NV 500.02
100mm / 4"

Sterilisation-Behälter
Sterilisation-Tray
Tray per sterilizzazione
Soporte para esterilización



NV 550.18
210x180mm

NV 550.23
210x230mm



	160mm / 6¼"	210mm / 8¼"	
	NA 580.16	NA 580.21	Lanzettenmesser Lancet knife Coltello a lancetta Cuchillo lanceolar
	NA 581.16	NA 581.21	Sichelmesser Sickle knife Coltello falcato come sinecchia Cuchillo en forma de hoz
3,5mm	NA 582.16	NA 582.21	Zugmesser Pulling knife Coltello per estensione Cuchillo para extension
4mm	NA 583.16	NA 583.21	Tellermesser Disc knife Coltello a forma di piatto Cuchillo en forma de plato
2mm	NA 584.16	NA 584.21	Tellermesser 45° Disc knife 45°
4mm	NA 585.16	NA 585.21	Coltello a forma di piatto 45° Cuchillo en forma de plato 45°
	NA 586.16		Mikromesser Micro knife Micro Coltello Micro Cuchillo
4mm	NA 587.16		Polytom Messer Polytom knife
5mm	NA 588.16		Coltello Polytom Cuchillo Polytom
4,5mm	NA 589.16		Polytom Messer Polytom knife Coltello Polytom Cuchillo Polytom
1mm	ND 530.01	ND 540.01	Dissektor gebogen, scharf Dissector curved, sharp
2mm	ND 530.02	ND 540.02	Dissetore curva, actua
3mm	ND 530.03	ND 540.03	Disector curva, aguda
1mm	ND 531.01	ND 541.01	Dissektor gebogen, stumpf Dissector curved, blunt
1,5mm	ND 531.15	ND 541.15	Dissetore curva, smusso
2mm	ND 531.02	ND 541.02	Disector curva, roma
3mm	ND 531.03	ND 541.03	
4mm	ND 531.04	ND 541.04	

NA 582.16
160mm / 6¼"



Kopf-Schädel Instrumente, Schafteinsatz alleine
Head-cranio instruments, insert single
Strumenti per il cranio, inserto solo
Instrumental para el cráneo, pieza sólo



ND 534.04
160mm / 6 1/4"



	160mm / 6 1/4" 210mm / 8 1/4"		
4mm	ND 532.04	ND 542.04	Dissektor gerade, stumpf Dissector straight, blunt Dissetore retta, smusso Disector recta, roma
2mm	ND 534.02		Tellerdissektor 45°, stumpf Disc dissector 45°, blunt
4mm	ND 534.04		Disset. a form.piatto 45°,smusso Dissector en form.plato 45°, roma
1x2mm	ND 550.02	ND 560.02	Nervhaken 45° Nerv Hook 45°
1x3mm	ND 550.03	ND 560.03	Uncino per nervi 45° Gancho para nervios 45°
1x4mm	ND 550.04	ND 560.04	
1x2mm	ND 551.02	ND 561.02	
1x3mm	ND 551.03	ND 561.03	
1x4mm	ND 551.04	ND 561.04	Nervhaken 90° Nerv Hook 90°
1x5mm	ND 551.05	ND 561.05	Uncino per nervi 90° Gancho para nervios 90°
1x8mm	ND 551.08	ND 561.08	
0,4x2mm	ND 552.02	ND 562.02	Nervhaken 90° Nerv Hook 90°
0,4x3mm	ND 552.03	ND 562.03	Uncino per nervi 90° Gancho para nervios 90°
1x3mm	ND 554.03	ND 564.03	
1x5mm	ND 554.05	ND 564.05	Nervhaken 90° Nerv Hook 90°
1x8mm	ND 554.08	ND 564.08	Uncino per nervi 90° Gancho para nervios 90°
1x5mm	ND 556.05	ND 566.05	Nervhaken Nerv Hook Uncino per nervi Gancho para nervios
3mm	ND 558.03	ND 568.03	Nervhaken 90°, spitz Nerv Hook 90°, pointed Uncino per nervi 90°, acuto Gancho para nervios 90°, agudo
	NE 570.16	NE 570.21	Nadel Needle Ago Aguja
1mm	NQ 572.16	NQ 572.21	Knopfsonde Ball probe Specillo bottonuto Estilite abotonado



160mm / 6¼" 210mm / 8¼"

2mm NK 510.02 NK 520.02

4mm NK 510.04 NK 520.04

6mm NK 510.06 NK 520.06

Ringkürette 90°
 Ring curette 90°
 Curetta d'anella 90°
 Cureta de anillo 90°



2mm NK 511.02 NK 521.02

4mm NK 511.04 NK 521.04

6mm NK 511.06 NK 521.06

Ringkürette 45°
 Ring curette 45°
 Curetta d'anella 45°
 Cureta de anillo 45°



2mm NK 512.02 NK 522.02

4mm NK 512.04 NK 522.04

6mm NK 512.06 NK 521.06

Ringkürette 45°
 Ring curette 45°
 Curetta d'anella 45°
 Cureta de anillo 45°



2mm NK 513.02 NK 523.02

4mm NK 513.04 NK 523.04

6mm NK 513.06 NK 523.06

Ringkürette 45°
 Ring curette 45°
 Curetta d'anella 45°
 Cureta de anillo 45°



2mm NK 514.02 NK 524.02

4mm NK 514.04 NK 524.04

6mm NK 514.06 NK 524.06

Ringkürette 60°
 Ring curette 60°
 Curetta d'anella 60°
 Cureta de anillo 60°



2mm NK 517.02 NK 527.02

3mm NK 517.03 NK 527.03

4mm NK 517.04 NK 527.04

Kürette
 Curette
 Curetta
 Cureta



2mm NK 518.02 NK 528.02

3mm NK 518.03 NK 528.03

4mm NK 518.04 NK 528.04

Kürette 45°
 Curette 45°
 Curetta 45°
 Cureta 45°



NK 512.04
 160mm / 6¼"



ANEURYSMEN CLIP SYSTEM
ANEURYSM CLIP SYSTEM



CLIPS PER ANEURISMA
CLIPS PARA ANEURISMA









Aneurysm Clip System



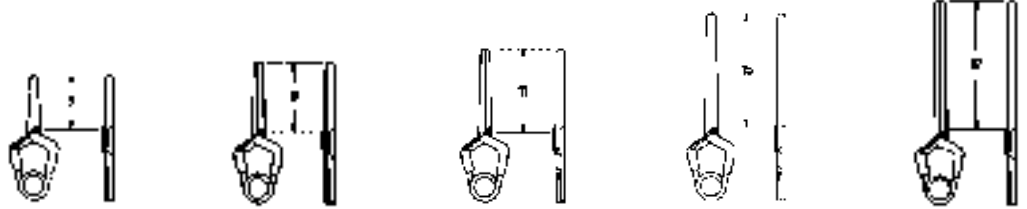
Materialien und Farbcodierung
Materials and Colour Coding
 Materiale ed identificazione sec. colore
Material e identificación de color

Titan / <i>Titanium</i> Titanio / <i>Titanio</i>	Ti 6 Al 4V (ISO 5832-3)
Phynox / <i>Phynox</i> Phynox / <i>Phynox</i>	Cobalt-base-alloy (ISO 5832-7)

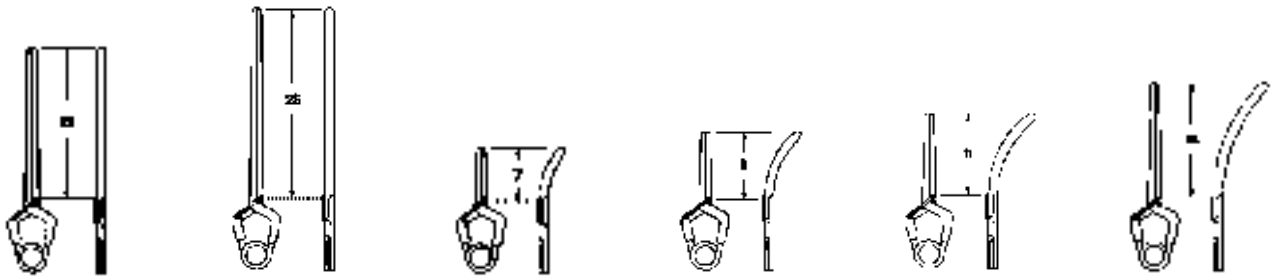
	permanent / <i>permanent</i> permanente / <i>permanente</i>	temporär / <i>temporary</i> temporaneamente / <i>temporal</i>
Titan / <i>Titanium</i> Titanio / <i>Titanio</i> STANDARD Farbliche Kennzeichnung <i>Colour Coding</i> Identificazione sec. colore <i>Identificación de color</i>	 blau / <i>blue</i> blu / <i>azul</i>	 gold / <i>gold</i> oro / <i>oro</i>
Titan / <i>Titanium</i> Titanio / <i>Titanio</i> MINI Farbliche Kennzeichnung <i>Colour Coding</i> Identificazione sec. colore <i>Identificación de color</i>	 pink / <i>pink</i> rosa fucsia / <i>fucsia</i>	 gold / <i>gold</i> oro / <i>oro</i>
Phynox / <i>Phynox</i> Phynox / <i>Phynox</i> MINI/STANDARD Farbliche Kennzeichnung <i>Colour Coding</i> Identificazione sec. colore <i>Identificación de color</i>	 silber / <i>silver</i> argento / <i>plata</i>	 goldenes Ende / <i>gold ended</i> finale oro / <i>final oro</i>



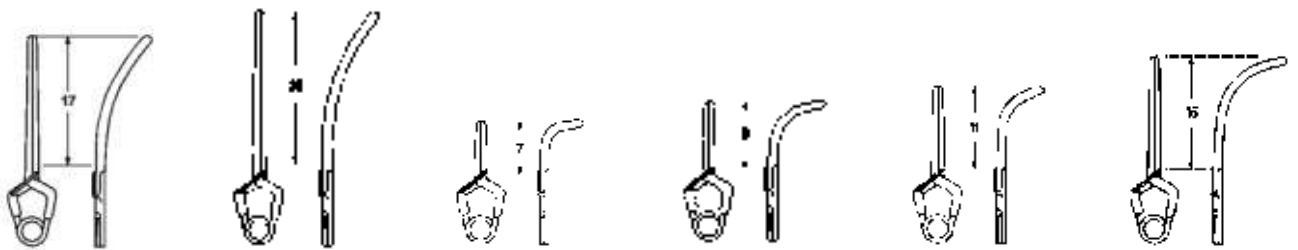
YASARGIL Aneurysmen Clips, Standard permanent
YASARGIL Aneurysm Clips, Standard permanent
YASARGIL Clips per Aneurisma, Standard permanente
YASARGIL Clips para Aneurisma, Standard permanente



Titan / Titanium Titanio / Titanio	NC 657.40 T	NC 657.50 T	NC 657.60 T	NC 657.80 T	NC 657.92 T
Phynox / Phynox Phynox / Phynox	NC 657.40	NC 657.50	NC 657.60	NC 657.80	NC 657.92
Öffnung / Opening Apertura / Apertura	6,2mm	7mm	7,8mm	9,2mm	10,6mm
Druck / Force Pressione / Presión	150gms	180gms	180gms	200gms	200gms

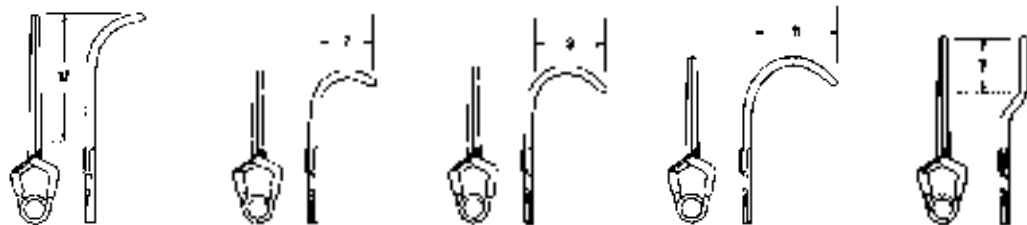


NC 657.90 T	NC 658.40 T	NC 657.42 T	NC 657.52 T	NC 657.62 T	NC 657.82 T
NC 657.90	NC 658.40	NC 657.42	NC 657.52	NC 657.62	NC 657.82
11,4mm	13,3mm	6mm	6,8mm	7,5mm	8,7mm
200gms	200gms	150gms	180gms	180gms	200gms

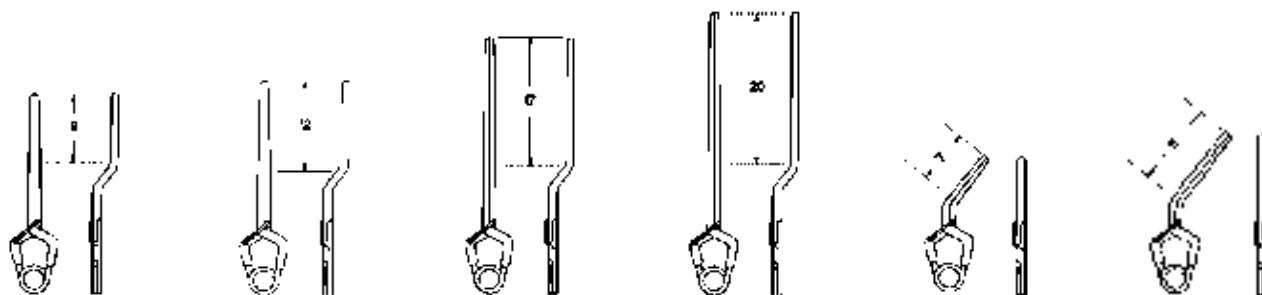


NC 657.86 T	NC 658.95 T	NC 657.44 T	NC 657.54 T	NC 657.64 T	NC 657.84 T
NC 657.86	NC 658.95	NC 657.44	NC 657.54	NC 657.64	NC 657.84
10mm	11mm	5,5mm	6,1mm	6,5mm	7,4mm
180gms	200gms	150gms	180gms	180gms	200gms

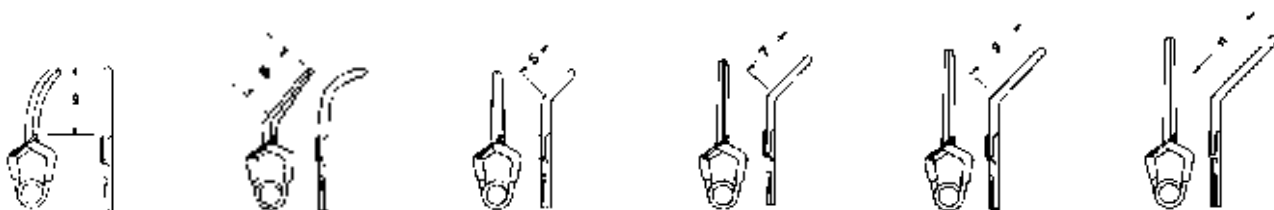
YASARGIL Aneurysmen Clips, Standard permanent
YASARGIL Aneurysm Clips, Standard permanent
YASARGIL Clips per Aneurisma, Standard permanente
YASARGIL Clips para Aneurisma, Standard permanente



Titan / Titanium Titanio / Titanio	NC 658.96 T	NC 658.23 T	NC 658.24 T	NC 658.25 T	NC 657.48 T
Phynox / Phynox Phynox / Phynox	NC 658.96	NC 658.23	NC 658.24	NC 658.25	NC 657.48
Öffnung / Opening Apertura / Apertura	9,9mm	5,4mm	5,8mm	6,2mm	7,9mm
Druck / Force Pressione / Presión	200gms	180gms	180gms	180gms	200gms



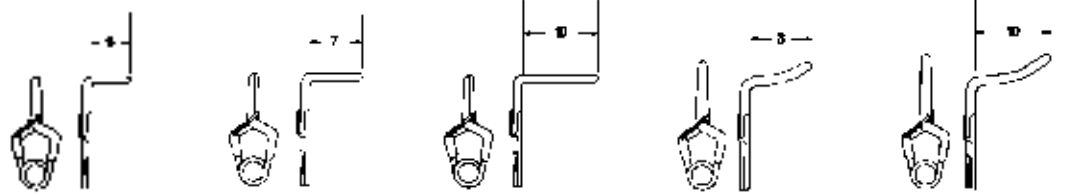
NC 657.58 T	NC 657.59 T	NC 657.97 T	NC 657.98 T	NC 657.46 T	NC 657.61 T
NC 657.58	NC 657.59	NC 657.97	NC 657.98	NC 657.46	NC 657.61
8,7mm	10,2mm	11,9mm	13mm	5,7mm	8mm
200gms	200gms	180gms	180gms	200gms	200gms



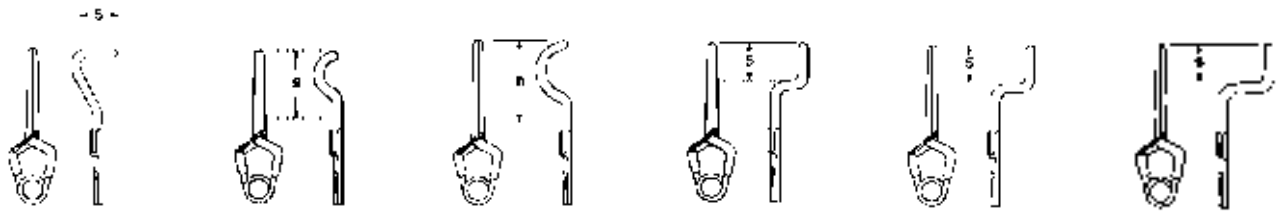
NC 657.47 T	NC 657.73 T	NC 656.03 T	NC 656.13 T	NC 656.23 T	NC 657.63 T
NC 657.47	NC 657.73	NC 656.03	NC 656.13	NC 656.23	NC 657.63
6,2mm	6,5mm	6,2mm	6,5mm	7,8mm	8,4mm
200gms	180gms	200gms	200gms	200gms	200gms



YASARGIL Aneurysmen Clips, Standard permanent
YASARGIL Aneurysm Clips, Standard permanent
YASARGIL Clips per Aneurisma, Standard permanente
YASARGIL Clips para Aneurisma, Standard permanente



Titan / Titanium Titanio / Titanio	NC 658.19 T	NC 658.20 T	NC 658.22 T	NC 658.50 T	NC 658.51 T
Phynox / Phynox Phynox / Phynox	NC 658.19	NC 658.20	NC 658.22	NC 658.50	NC 658.51
Öffnung / Opening Apertura / Apertura	5,6mm	5,6mm	5,6mm	5,4mm	5,6mm
Druck / Force Pressione / Presión	200gms	200gms	200gms	200gms	200gms

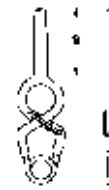
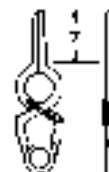
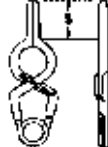


NC 658.30 T	NC 658.32 T	NC 658.33 T	NC 657.70 T	NC 657.71 T	NC 657.72 T
NC 658.30	NC 658.32	NC 658.33	NC 657.70	NC 657.71	NC 657.72
7,2mm	7,2mm	8,2mm	8mm	8mm	8mm
200gms	200gms	200gms	200gms	200gms	200gms

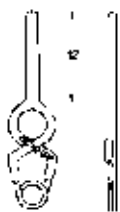


NC 658.97 T					
NC 658.97					
7,5mm					
200gms					

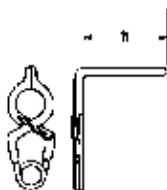
YASARGIL Aneurysmen Clips, Standard permanent, gefenstert 3,5mm
YASARGIL Aneurysm Clips, Standard permanent, fenestrated 3,5mm
YASARGIL Clips per Aneurisma, Standard permanente, fenestrato 3,5mm
YASARGIL Clips para Aneurisma, Standard permanente, fenestrado 3,5mm



Titan / Titanium Titanio / Titanio	NC 655.97 T	NC 655.98 T	NC 655.99 T	NC 656.00 T	NC 656.10 T
Phynox / Phynox Phynox / Phynox	NC 655.97	NC 655.98	NC 655.99	NC 656.00	NC 656.10
Öffnung / Opening Apertura / Apertura	7,4mm	7,4mm	7,4mm	7,4mm	8,4mm
Druck / Force Pressione / Presión	150gms	150gms	150gms	150gms	150gms



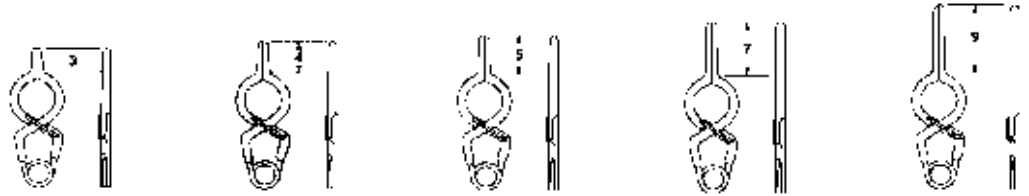
NC 656.20 T	NC 656.02 T	NC 656.12 T	NC 656.22 T	NC 656.04 T	NC 656.14 T
NC 656.20	NC 656.02	NC 656.12	NC 656.22	NC 656.04	NC 656.14
9,6mm	5,8mm	6,5mm	7,2mm	4,9mm	4,9mm
180gms	150gms	150gms	180gms	150gms	150gms



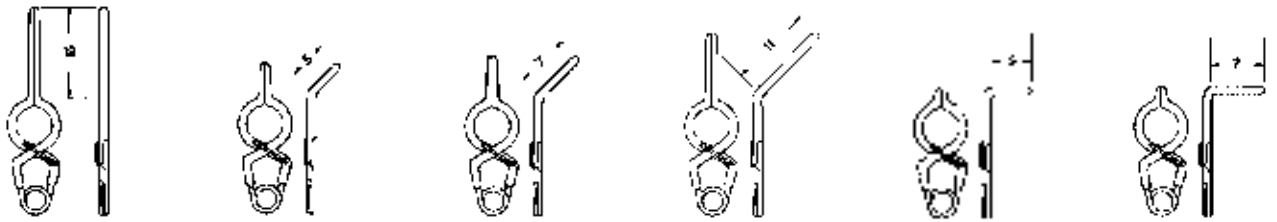
NC 656.24 T					
NC 656.24					
4,9mm					
180gms					



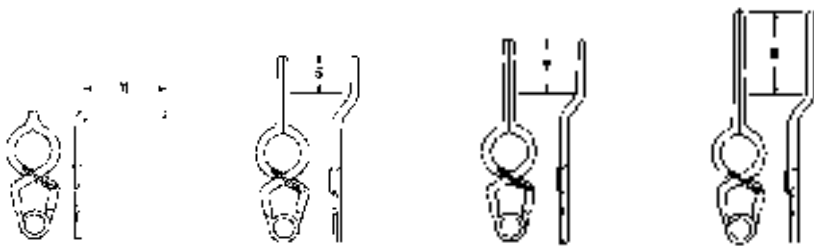
YASARGIL Aneurysmen Clips, Standard permanent, gefenstert 5mm
YASARGIL Aneurysm Clips, Standard permanent, fenestrated 5mm
YASARGIL Clips per Aneurisma, Standard permanente, fenestrato 5mm
YASARGIL Clips para Aneurisma, Standard permanente, fenestrado 5mm



Titan / Titanium Titanio / Titanio	NC 656.37 T	NC 656.38 T	NC 656.39 T	NC 656.40 T	NC 656.50 T
Phynox / Phynox Phynox / Phynox	NC 656.37	NC 656.38	NC 656.39	NC 656.40	NC 656.50
Öffnung / Opening Apertura / Apertura	7,4mm	7,4mm	7,4mm	7,9mm	9,1mm
Druck / Force Presione / Presión	150gms	150gms	150gms	150gms	150gms

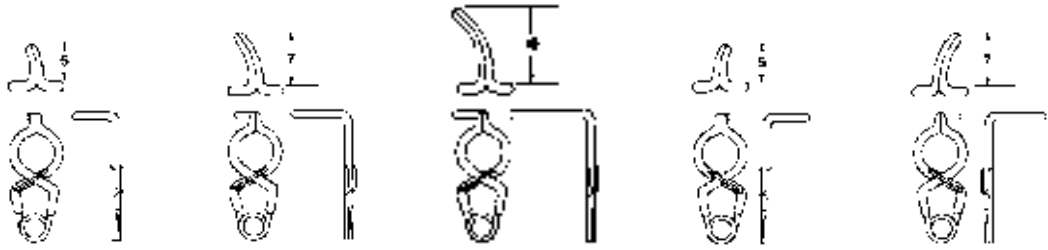


NC 656.60 T	NC 656.42 T	NC 656.52 T	NC 656.62 T	NC 656.44 T	NC 656.54 T
NC 656.60	NC 656.42	NC 656.52	NC 656.62	NC 656.44	NC 656.54
10,3mm	6,5mm	7,2mm	7,8mm	5,5mm	5,5mm
180gms	150gms	150gms	180gms	150gms	150gms

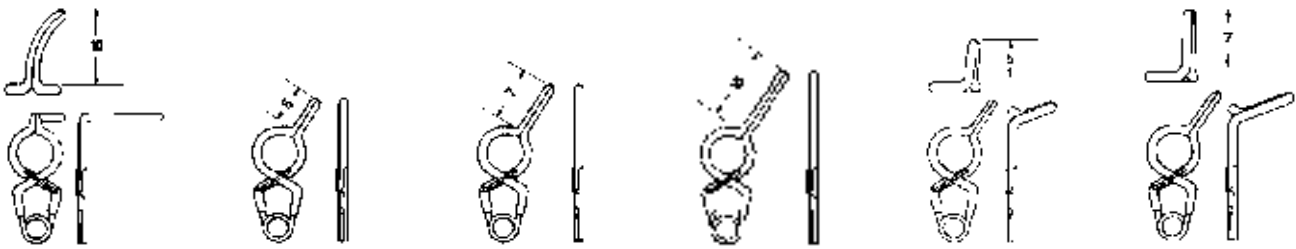


NC 656.64 T	NC 656.48 T	NC 656.58 T	NC 656.68 T		
NC 656.64	NC 656.48	NC 656.58	NC 656.68		
5,5mm	7,9mm	8,8mm	10mm		
180gms	150gms	150gms	180gms		

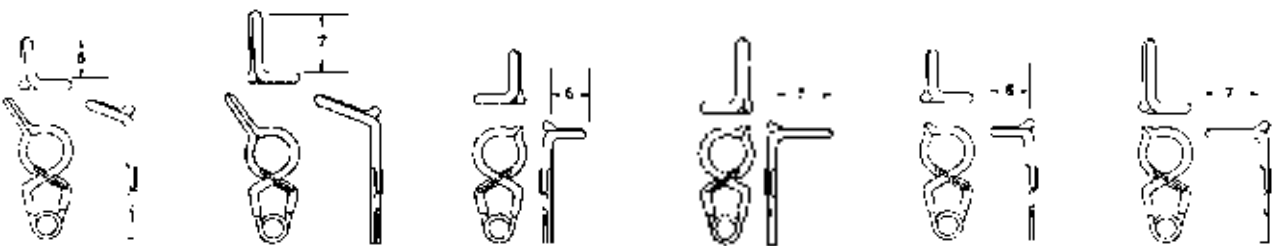
YASARGIL Aneurysmen Clips, Standard permanent, gefenstert 5mm
YASARGIL Aneurysm Clips, Standard permanent, fenestrated 5mm
YASARGIL Clips per Aneurisma, Standard permanente, fenestrato 5mm
YASARGIL Clips para Aneurisma, Standard permanente, fenestrado 5mm



Titan / Titanium Titanio / Titanio	NC 657.74 T	NC 657.75 T	NC 657.76 T	NC 657.77 T	NC 657.78 T
Phynox / Phynox Phynox / Phynox	NC 657.74	NC 657.75	NC 657.76	NC 657.77	NC 657.78
Öffnung / Opening Apertura / Apertura	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm
Druck / Force Pressione / Presión	150gms	150gms	150gms	150gms	150gms



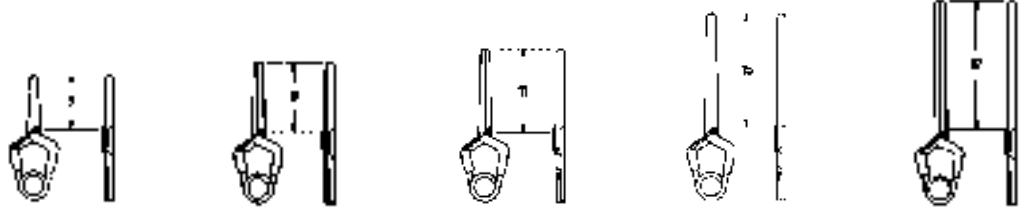
NC 657.79 T	NC 658.81 T	NC 658.82 T	NC 658.83 T	NC 658.86 T	NC 658.87 T
NC 657.79	NC 658.81	NC 658.82	NC 658.83	NC 658.86	NC 658.87
5,8mm	7mm	7,8mm	8,8mm	5,8mm	6,2mm
150gms	150gms	150gms	150gms	150gms	150gms



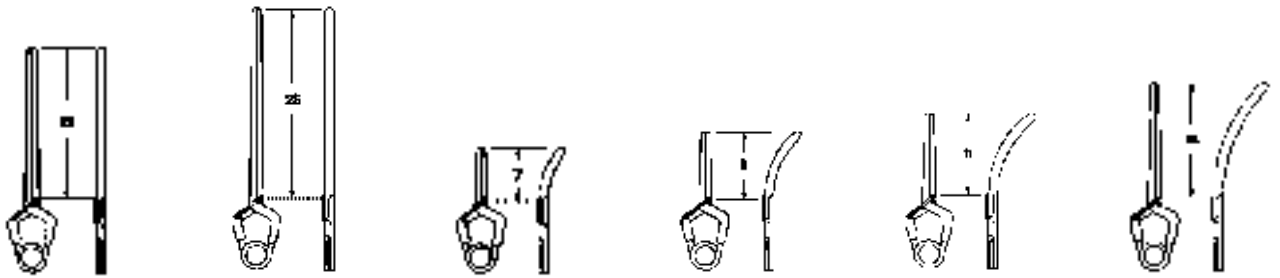
NC 658.88 T	NC 658.89 T	NC 658.91 T	NC 658.92 T	NC 658.93 T	NC 658.94 T
NC 658.88	NC 658.89	NC 658.91	NC 658.92	NC 658.93	NC 658.94
5,8mm	6,2mm	5,6mm	5,6mm	5,6mm	5,6mm
150gms	150gms	150gms	150gms	150gms	150gms



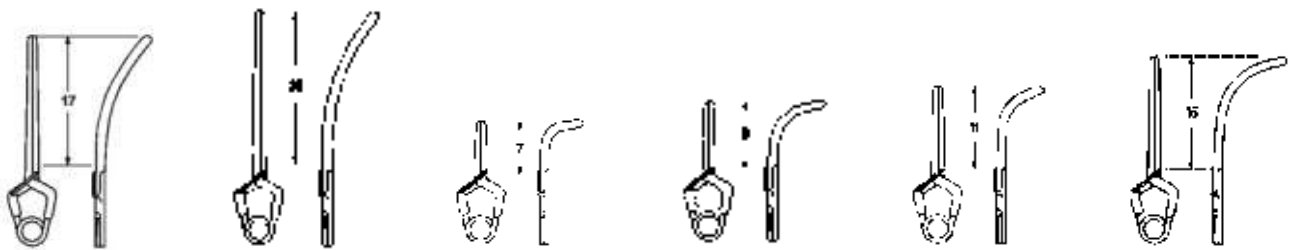
YASARGIL Aneurysmen Clips, Standard temporär
YASARGIL Aneurysm Clips, Standard temporary
YASARGIL Clips per Aneurisma, Standard temporaneamente
YASARGIL Clips para Aneurisma, Standard temporal



Titan / Titanium Titanio / Titanio	NC 652.40 T	NC 652.50 T	NC 652.60 T	NC 652.80 T	NC 652.92 T
Phynox / Phynox Phynox / Phynox	NC 652.40	NC 652.50	NC 652.60	NC 652.80	NC 652.92
Öffnung / Opening Apertura / Apertura	6,2mm	7mm	7,8mm	9,2mm	10,6mm
Druck / Force Pressione / Presión	110gms	90gms	90gms	90gms	90gms

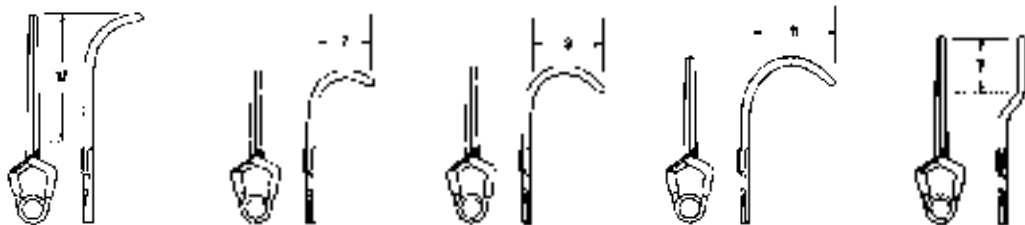


NC 652.90 T	NC 653.40 T	NC 652.42 T	NC 652.52 T	NC 652.62 T	NC 652.82 T
NC 652.90	NC 653.40	NC 652.42	NC 652.52	NC 652.62	NC 652.82
11,4mm	13,3mm	6mm	6,8mm	7,5mm	8,7mm
110gms	110gms	110gms	90gms	90gms	110gms

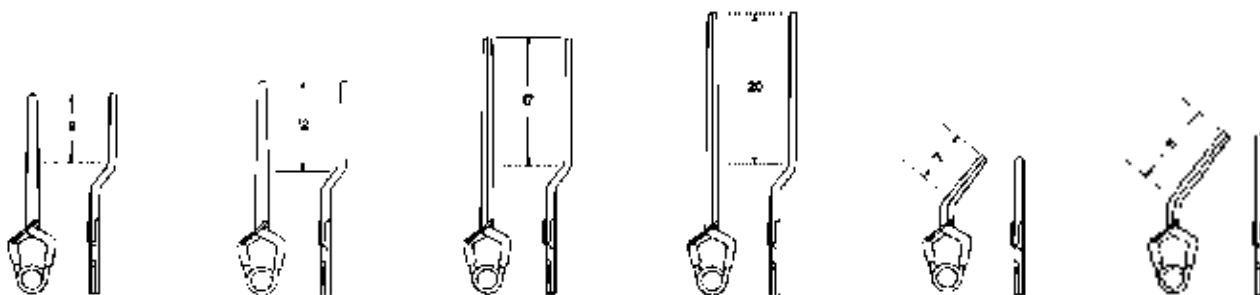


NC 652.86 T	NC 653.95 T	NC 652.44 T	NC 652.54 T	NC 652.64 T	NC 652.84 T
NC 652.86	NC 653.95	NC 652.44	NC 652.54	NC 652.64	NC 652.84
10mm	11mm	5,5mm	6,1mm	6,5mm	7,4mm
110gms	90gms	110gms	110gms	110gms	110gms

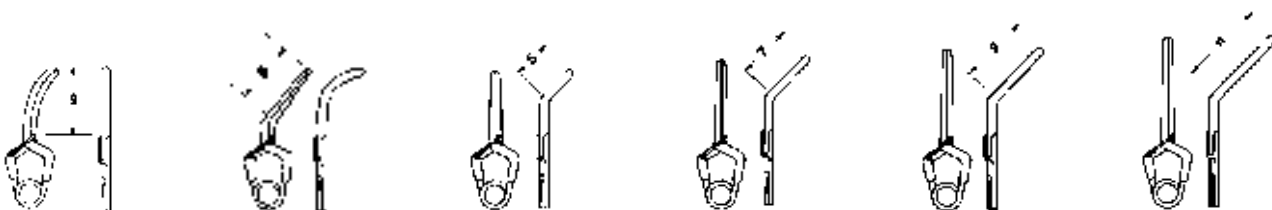
YASARGIL Aneurysmen Clips, Standard temporär
YASARGIL Aneurysm Clips, Standard temporary
YASARGIL Clips per Aneurisma, Standard temporaneamente
YASARGIL Clips para Aneurisma, Standard temporal



Titan / Titanium Titanio / Titanio	NC 653.96 T	NC 653.23 T	NC 653.24 T	NC 653.25 T	NC 652.48 T
Phynox / Phynox Phynox / Phynox	NC 653.96	NC 653.23	NC 653.24	NC 653.25	NC 652.48
Öffnung / Opening Apertura / Apertura	9,9mm	5,4mm	5,8mm	6,2mm	7,9mm
Druck / Force Pressione / Presión	90gms	110gms	110gms	110gms	90gms



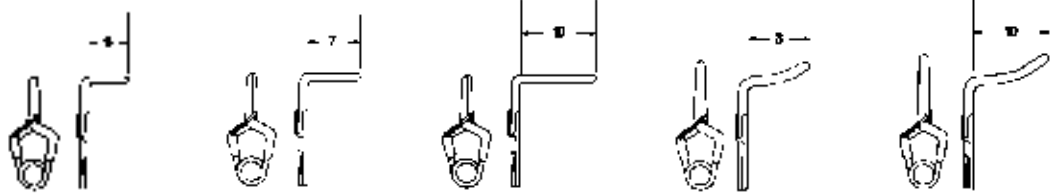
NC 652.58 T	NC 652.59 T	NC 652.97 T	NC 652.98 T	NC 652.46 T	NC 652.61 T
NC 652.58	NC 652.59	NC 652.97	NC 652.98	NC 652.46	NC 652.61
8,7mm	10,2mm	11,9mm	13mm	5,7mm	8mm
90gms	90gms	90gms	90gms	90gms	90gms



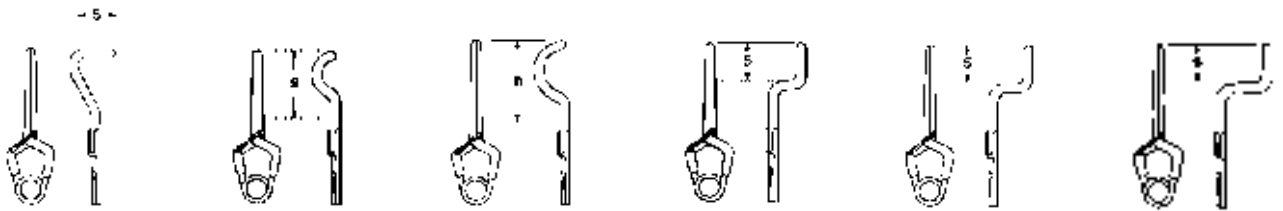
NC 652.47 T	NC 652.73 T	NC 651.03 T	NC 651.13 T	NC 651.23 T	NC 652.63 T
NC 652.47	NC 652.73	NC 65.103	NC 651.13	NC 651.23	NC 652.63
6,2mm	6,5mm	6,2mm	6,5mm	7,8mm	8,4mm
90gms	90gms	110gms	110gms	110gms	110gms



YASARGIL Aneurysmen Clips, Standard temporär
YASARGIL Aneurysm Clips, Standard temporary
YASARGIL Clips per Aneurisma, Standard temporaneamente
YASARGIL Clips para Aneurisma, Standard temporal



Titan / Titanium Titanio / Titanio	NC 653.19 T	NC 653.20 T	NC 653.22 T	NC 653.50 T	NC 653.51 T
Phynox / Phynox Phynox / Phynox	NC 653.19	NC 653.20	NC 653.22	NC 653.50	NC 653.51
Öffnung / Opening Apertura / Apertura	5,6mm	5,6mm	5,6mm	5,4mm	5,6mm
Druck / Force Pressione / Presión	130gms	130gms	110gms	130gms	130gms

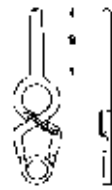


NC 653.30 T	NC 653.32 T	NC 653.33 T	NC 652.70 T	NC 652.71 T	NC 652.72 T
NC 653.30	NC 653.32	NC 653.33	NC 652.70	NC 652.71	NC 652.72
7,2mm	7,2mm	8,2mm	8mm	8mm	8mm
90gms	90gms	90gms	90gms	90gms	90gms

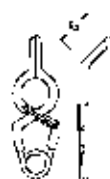
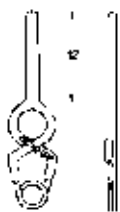


NC 653.97 T					
NC 653.97					
7,5mm					
90gms					

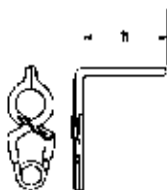
YASARGIL Aneurysmen Clips, Standard temporär, gefenestert 3,5mm
YASARGIL Aneurysm Clips, Standard temporary, fenestrated 3,5mm
YASARGIL Clips per Aneurisma, Standard tempor., fenestrato 3,5mm
YASARGIL Clips para Aneurisma, Standard temporal, fenestrado 3,5mm



Titan / Titanium Titanio / Titanio	NC 650.97 T	NC 650.98 T	NC 650.99 T	NC 651.00 T	NC 651.10 T
Phynox / Phynox Phynox / Phynox	NC 650.97	NC 650.98	NC 650.99	NC 651.00	NC 651.10
Öffnung / Opening Apertura / Apertura	7,4mm	7,4mm	7,4mm	7,4mm	8,4mm
Druck / Force Pressione / Presión	110gms	110gms	110gms	110gms	110gms



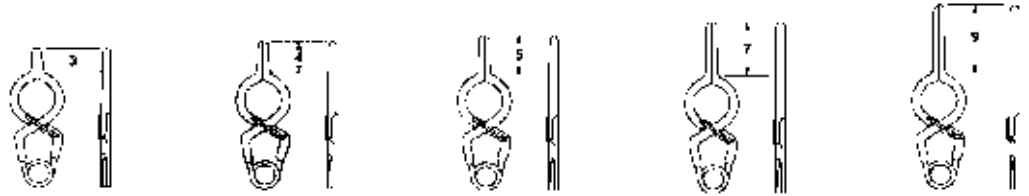
NC 651.20 T	NC 651.02 T	NC 651.12 T	NC 651.22 T	NC 651.04 T	NC 651.14 T
NC 651.20	NC 651.02	NC 651.12	NC 651.22	NC 651.04	NC 651.14
9,6mm	5,8mm	6,5mm	7,2mm	4,9mm	4,9mm
90gms	110gms	110gms	110gms	110gms	110gms



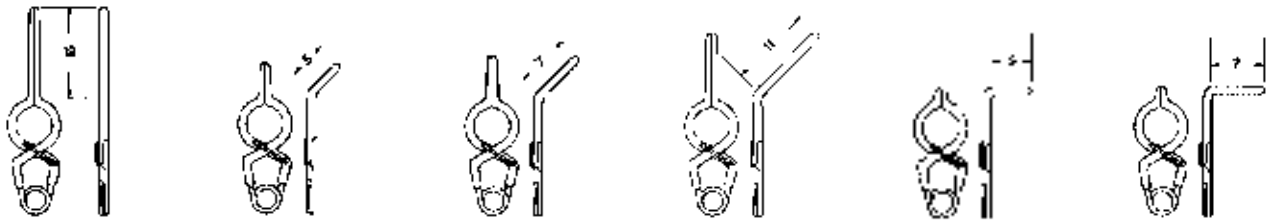
NC 651.24 T					
NC 651.24					
4,9mm					
110gms					



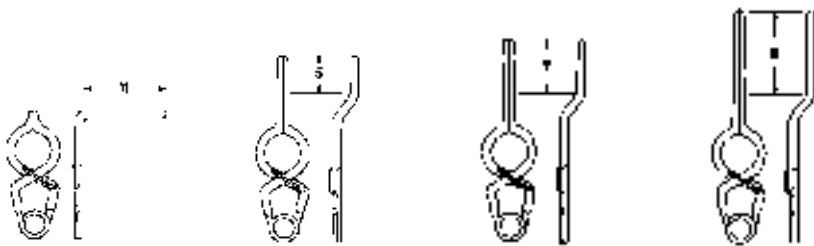
YASARGIL Aneurysmen Clips, Standard temporär, gefenstert 5mm
YASARGIL Aneurysm Clips, Standard temporary, fenestrated 5mm
YASARGIL Clips per Aneurisma, Standard tempor., fenestrato 5mm
YASARGIL Clips para Aneurisma, Standard temporal, fenestrado 5mm



Titan / Titanium Titanio / Titanio	NC 651.37 T	NC 651.38 T	NC 651.39 T	NC 651.40 T	NC 651.50 T
Phynox / Phynox Phynox / Phynox	NC 651.37	NC 651.38	NC 651.39	NC 651.40	NC 651.50
Öffnung / Opening Apertura / Apertura	7,4mm	7,4mm	7,4mm	7,9mm	9,1mm
Druck / Force Pressione / Presión	110gms	110gms	110gms	110gms	100gms

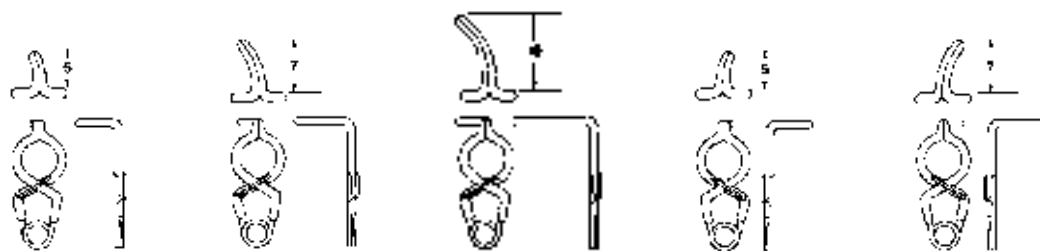


NC 651.60 T	NC 651.42 T	NC 651.52 T	NC 651.62 T	NC 651.44 T	NC 651.54 T
NC 651.60	NC 651.42	NC 651.52	NC 651.62	NC 651.44	NC 651.54
10,3mm	6,5mm	7,2mm	7,8mm	5,5mm	5,5mm
90gms	110gms	110gms	110gms	110gms	110gms

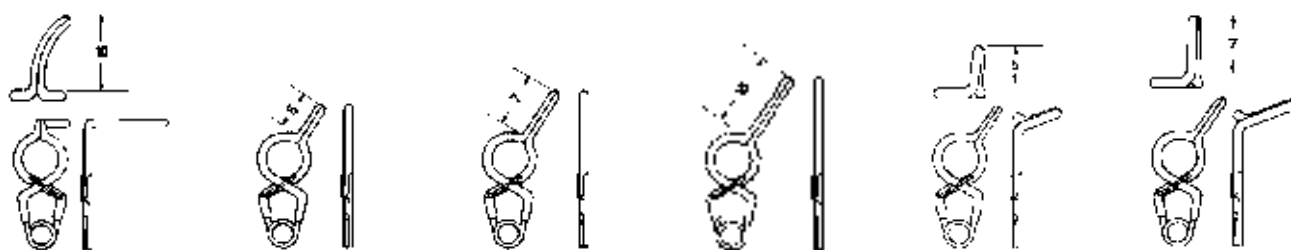


NC 651.64 T	NC 651.48 T	NC 651.58 T	NC 651.68 T		
NC 651.64	NC 651.48	NC 651.58	NC 651.68		
5,5mm	7,9mm	8,8mm	10mm		
90gms	90gms	90gms	90gms		

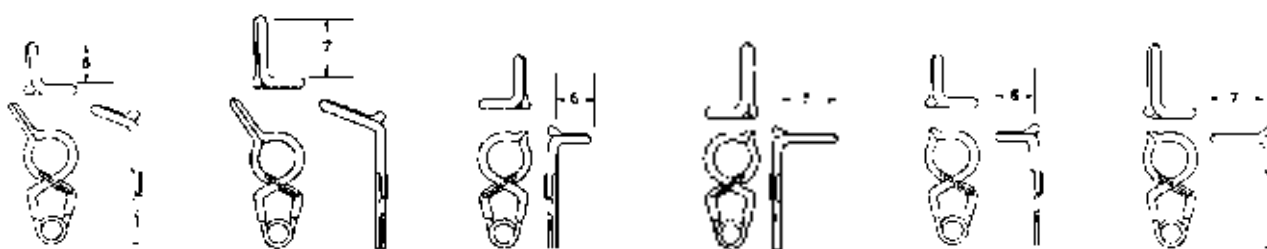
YASARGIL Aneurysmen Clips, Standard temporär, gefenstert 5mm
YASARGIL Aneurysm Clips, Standard temporary, fenestrated 5mm
YASARGIL Clips per Aneurisma, Standard tempor., fenestrato 5mm
YASARGIL Clips para Aneurisma, Standard temporal, fenestrado 5mm



Titan / Titanium Titanio / Titanio	NC 652.74 T	NC 652.75 T	NC 652.76 T	NC 652.77 T	NC 652.78 T
Phynox / Phynox Phynox / Phynox	NC 652.74	NC 652.75	NC 652.76	NC 652.77	NC 652.78
Öffnung / Opening Apertura / Apertura	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm
Druck / Force Pressione / Presión	110gms	110gms	110gms	110gms	110gms



NC 652.79 T	NC 653.81 T	NC 653.82 T	NC 653.83 T	NC 653.86 T	NC 653.87 T
NC 652.79	NC 653.81	NC 653.82	NC 653.83	NC 653.86	NC 653.87
5,8mm	7mm	7,8mm	8,8mm	5,8mm	6,2mm
110gms	110gms	110gms	110gms	110gms	110gms



NC 653.88 T	NC 653.89 T	NC 653.91 T	NC 653.92 T	NC 653.93 T	NC 653.94 T
NC 653.88	NC 653.89	NC 653.91	NC 653.92	NC 653.93	NC 653.94
5,8mm	6,2mm	5,6mm	5,6mm	5,6mm	5,6mm
110gms	110gms	110gms	110gms	110gms	110gms



YASARGIL Aneurysmen Clips, MINI permanent
 YASARGIL Aneurysm Clips, MINI permanent
 YASARGIL Clips per Aneurisma, MINI permanente
 YASARGIL Clips para Aneurisma, MINI permanente



Aneurysm Clip System



NC 656.80 T	NC 656.90 T	NC 657.00 T	NC 657.10 T	NC 657.20 T	NC 656.82 T	NC 656.92 T
NC 656.80	NC 656.90	NC 657.00	NC 657.10	NC 657.20	NC 656.82	NC 656.92
3,3mm	4mm	3,3mm	4mm	4,6mm	3,2mm	3,8mm
110gms	110gms	110gms	110gms	110gms	110gms	110gms




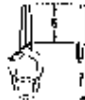
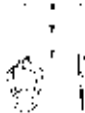







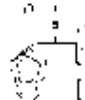



NC 657.11 T	NC 657.12 T	NC 657.13 T	NC 657.26 T	NC 657.22 T	NC 656.94 T	NC 657.14 T
NC 657.11	NC 657.12	NC 657.13	NC 657.26	NC 657.22	NC 656.94	NC 657.14
3,6mm	3,8mm	3,6mm	4mm	4,4mm	3,6mm	3,5mm
110gms	110gms	110gms	110gms	110gms	110gms	110gms










NC 657.24 T	NC 657.16 T	NC 657.17 T	NC 657.27 T	NC 657.28 T	NC 658.06 T	NC 658.07 T
NC 657.24	NC 657.16	NC 657.17	NC 657.27	NC 657.28	NC 658.06	NC 658.07
4mm	3,5mm	6mm	7mm	5,7mm	4,5mm	4mm
110gms	130gms	130gms	130gms	130gms	130gms	130gms



						
NC 651.80 T	NC 651.90 T	NC 652.00 T	NC 652.10 T	NC 652.20 T	NC 651.82 T	NC 651.92 T
NC 651.80	NC 651.90	NC 652.00	NC 652.10	NC 652.20	NC 651.82	NC 651.92
3,3mm	4mm	3,3mm	4mm	4,6mm	3,2mm	3,8mm
90gms	70gms	90gms	70gms	70gms	90gms	70gms

						
NC 652.11 T	NC 652.12 T	NC 652.13 T	NC 652.26 T	NC 652.22 T	NC 651.94 T	NC 652.14 T
NC 652.11	NC 652.12	NC 652.13	NC 652.26	NC 652.22	NC 651.94	NC 652.14
3,6mm	3,8mm	3,6mm	4mm	4,4mm	3,6mm	3,5mm
80gms	70gms	80gms	70gms	70gms	80gms	80gms

						
NC 652.24 T	NC 652.16 T	NC 652.17 T	NC 652.27 T	NC 652.28 T	NC 653.06 T	NC 653.07 T
NC 652.24	NC 652.16	NC 652.17	NC 652.27	NC 652.28	NC 653.06	NC 653.07
4mm	3,5mm	6mm	7mm	5,7mm	4,5mm	4mm
70gms	70gms	70gms	70gms	70gms	70gms	70gms



YASARGIL Aneurysmen Anlegezangen
YASARGIL Aneurysm Applying Forceps
YASARGIL Pinze per Aneurisma
YASARGIL Pinzas para Aneurisma



Für Phynox Aneurysmen Clips
 For Phynox Aneurysm Clips
 Per Phynox Aneurisma Clip
 Para Phynox Aneurisma Clip



NC 655.58
 180mm / 7"



YASARGIL
STANDARD

NC 655.58
 180mm / 7"

Maul starr
 Mouth fixed
 Morso rigido
 Boca rígida



YASARGIL
STANDARD

NC 655.59
 180mm / 7"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria



YASARGIL
MINI

NC 655.48
 180mm / 7"

Maul starr
 Mouth fixed
 Morso rigido
 Boca rígida



YASARGIL
MINI

NC 655.49
 180mm / 7"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria

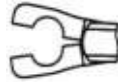


YASARGIL Aneurysmen Anlegezangen, bajonett
YASARGIL Aneurysm Applying Forceps, bayonet
YASARGIL Pinze per Aneurisma, baionetta
YASARGIL Pinzas para Aneurisma, bayoneta



NC 655.52
 210mm / 8¼"

Für Phynox Aneurysmen Clips
 For Phynox Aneurysm Clips
 Per Phynox Aneurisma Clip
 Para Phynox Aneurisma Clip



**YASARGIL
STANDARD**

NC 655.50
 170mm / 6¾"
NC 655.52
 210mm / 8¼"
NC 655.54
 230mm / 9"

Maul starr
 Mouth fixed
 Morso rigido
 Boca rígida



**YASARGIL
STANDARD**

NC 655.51
 170mm / 6¾"
NC 655.53
 210mm / 8¼"
NC 655.55
 230mm / 9"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria



**YASARGIL
STANDARD**

NC 620.09
 210mm / 8¼"
NC 620.11
 230mm / 9"

Maul drehbar und abwinkelbar
 Mouth rotating, can be swiveled out
 Morso girabile e angolabile
 Boca giratoria y angulable



**YASARGIL
MINI**

NC 655.40
 170mm / 6¾"
NC 655.42
 210mm / 8¼"
NC 655.44
 230mm / 9"

Maul starr
 Mouth fixed
 Morso rigido
 Boca rígida



**YASARGIL
MINI**

NC 655.41
 170mm / 6¾"
NC 655.43
 210mm / 8¼"
NC 655.45
 230mm / 9"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria



**YASARGIL
MINI**

NC 610.09
 210mm / 8¼"
NC 610.11
 230mm / 9"

Maul drehbar und abwinkelbar
 Mouth rotating, can be swiveled out
 Morso girabile e angolabile
 Boca giratoria y angulable



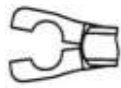


YASARGIL Aneurysmen Anlegezangen, bajonett
YASARGIL Aneurysm Applying Forceps, bayonet
YASARGIL Pinze per Aneurisma, baionetta
YASARGIL Pinzas para Aneurisma, bayoneta



NC 620.04 T
 230mm / 9"

Für Titan Aneurysmen Clips
 For Titanium Aneurysm Clips
 Per Titanio Aneurisma Clip
 Para Titanio Aneurisma Clip



YASARGIL
STANDARD

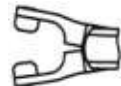
NC 620.02 T

210mm / 8 1/4"

NC 620.04 T

230mm / 9"

Maul starr
 Mouth fixed
 Morso rigido
 Boca rígida



YASARGIL
STANDARD

NC 620.03 T

210mm / 8 1/4"

NC 620.05 T

230mm / 9"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria



YASARGIL
STANDARD

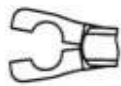
NC 620.09 T

210mm / 8 1/4"

NC 620.11 T

230mm / 9"

Maul drehbar und abwinkelbar
 Mouth rotating, can be swiveled out
 Morso girabile e angolabile
 Boca giratoria y angulable



YASARGIL
MINI

NC 610.02 T

210mm / 8 1/4"

NC 610.04 T

230mm / 9"

Maul starr
 Mouth fixed
 Morso rigido
 Boca rígida



YASARGIL
MINI

NC 610.03 T

210mm / 8 1/4"

NC 610.05 T

230mm / 9"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria



YASARGIL
MINI

NC 610.09 T

210mm / 8 1/4"

NC 610.11 T

230mm / 9"

Maul drehbar und abwinkelbar
 Mouth rotating, can be swiveled out
 Morso girabile e angolabile
 Boca giratoria y angulable

YASARGIL Aneurysmen Anlegezangen, bajonett
 YASARGIL Aneurysm Applying Forceps, bayonet
 YASARGIL Pinze per Aneurisma, baionetta
 YASARGIL Pinzas para Aneurisma, bayoneta



Für Phynox Aneurysmen Clips
 For Phynox Aneurysm Clips
 Per Phynox Aneurisma Clip
 Para Phynox Aneurisma Clip

Für Titan Aneurysmen Clips
 For Titanium Aneurysm Clips
 Per Titanio Aneurisma Clip
 Para Titanio Aneurisma Clip



NC 682.71
 70mm / 2 3/4"



**YASARGIL
 STANDARD**

NC 682.71

70mm / 2 3/4"

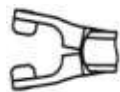
NC 682.91

90mm / 3 1/2"

NC 682.11

110mm / 4 1/3"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria



**YASARGIL
 STANDARD**

NC 682.71 T

70mm / 2 3/4"

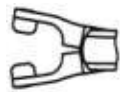
NC 682.91 T

90mm / 3 1/2"

NC 682.11 T

110mm / 4 1/3"

Maul Titan und drehbar
 Mouth Titanium and rotating
 Morso Titanio e girabile
 Boca Titanio y giratoria



**YASARGIL
 MINI**

NC 672.71

70mm / 2 3/4"

NC 672.91

90mm / 3 1/2"

NC 672.11

110mm / 4 1/3"

Maul drehbar
 Mouth rotating
 Morso girabile
 Boca giratoria



**YASARGIL
 MINI**

NC 672.71 T

70mm / 2 3/4"

NC 672.91 T

90mm / 3 1/2"

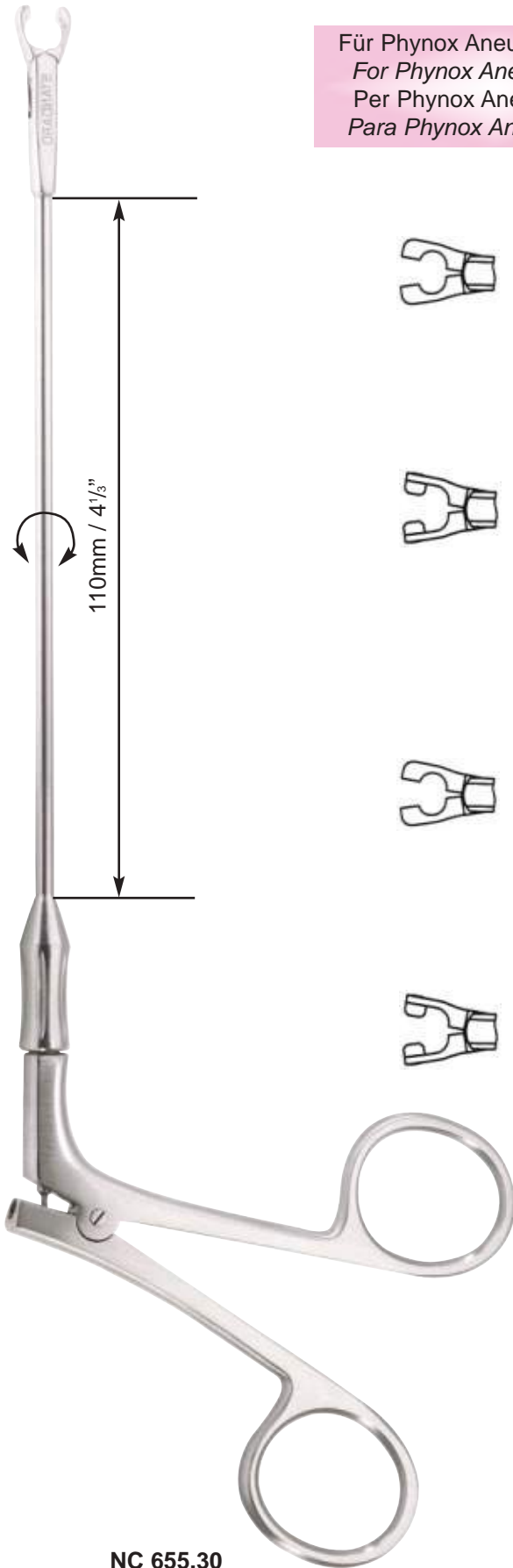
NC 672.11 T

110mm / 4 1/3"

Maul Titan und drehbar
 Mouth Titanium and rotating
 Morso Titanio e girabile
 Boca Titanio y giratoria



YASARGIL Aneurysmen Anlegezangen
YASARGIL Aneurysm Applying Forceps
YASARGIL Pinze per Aneurisma
YASARGIL Pinzas para Aneurisma



NC 655.30
110mm / 4 1/8"

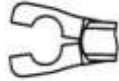
Für Phynox Aneurysmen Clips
For Phynox Aneurysm Clips
 Per Phynox Aneurisma Clip
Para Phynox Aneurisma Clip

Für Titan Aneurysmen Clips
For Titanium Aneurysm Clips
 Per Titanio Aneurisma Clip
Para Titanio Aneurisma Clip

YASARGIL STANDARD

- NC 655.28
70mm / 2 3/4"
- NC 655.29
90mm / 3 1/2"
- NC 655.30
110mm / 4 1/8"
- NC 655.34
130mm / 4 1/8"

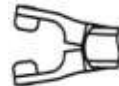
Maul starr
Mouth fixed
 Morso rigido
Boca rígida



YASARGIL STANDARD

- NC 655.31
70mm / 2 3/4"
- NC 655.32
90mm / 3 1/2"
- NC 655.33
110mm / 4 1/8"
- NC 655.35
130mm / 4 1/8"

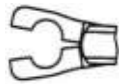
Maul drehbar
Mouth rotating
 Morso girabile
Boca giratoria



YASARGIL STANDARD

- NC 655.28 T
70mm / 2 3/4"
- NC 655.29 T
90mm / 3 1/2"
- NC 655.30 T
110mm / 4 1/8"
- NC 655.34 T
130mm / 4 1/8"

Maul Titan und starr
Mouth Titanium and fixed
 Morso Titanio e rigido
Boca Titanio y rígida

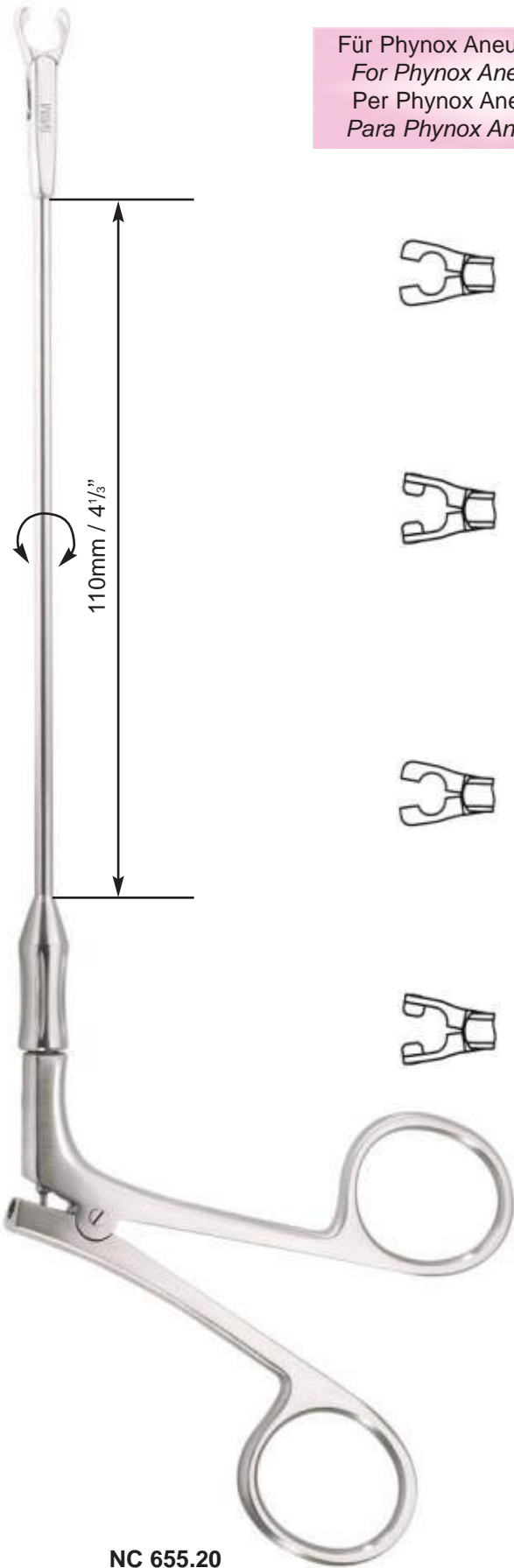


YASARGIL STANDARD

- NC 655.31 T
70mm / 2 3/4"
- NC 655.32 T
90mm / 3 1/2"
- NC 655.33 T
110mm / 4 1/8"
- NC 655.35 T
130mm / 4 1/8"

Maul Titan und drehbar
Mouth Titanium and rotating
 Morso Titanio e girabile
Boca Titanio y giratoria





NC 655.20
 110mm / 4 1/3"

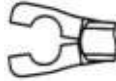
Für Phynox Aneurysmen Clips
For Phynox Aneurysm Clips
 Per Phynox Aneurisma Clip
Para Phynox Aneurisma Clip

Für Titan Aneurysmen Clips
For Titanium Aneurysm Clips
 Per Titanio Aneurisma Clip
Para Titanio Aneurisma Clip

YASARGIL MINI

- NC 655.18
70mm / 2 3/4"
- NC 655.19
90mm / 3 1/2"
- NC 655.20
110mm / 4 1/3"
- NC 655.24
130mm / 4 1/3"

Maul starr
Mouth fixed
 Morso rigido
Boca rigida



YASARGIL MINI

- NC 655.21
70mm / 2 3/4"
- NC 655.22
90mm / 3 1/2"
- NC 655.23
110mm / 4 1/3"
- NC 655.25
130mm / 4 1/3"

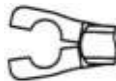
Maul drehbar
Mouth rotating
 Morso girabile
Boca giratoria



YASARGIL MINI

- NC 655.18 T
70mm / 2 3/4"
- NC 655.19 T
90mm / 3 1/2"
- NC 655.20 T
110mm / 4 1/3"
- NC 655.24 T
130mm / 4 1/3"

Maul Titan und starr
Mouth Titanium and fixed
 Morso Titanio e rigido
Boca Titanio y rigida



YASARGIL MINI

- NC 655.21 T
70mm / 2 3/4"
- NC 655.22 T
90mm / 3 1/2"
- NC 655.23 T
110mm / 4 1/3"
- NC 655.25 T
130mm / 4 1/3"

Maul Titan und drehbar
Mouth Titanium and rotating
 Morso Titanio e girabile
Boca Titanio y giratoria



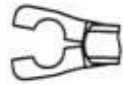


YASARGIL Clip-Entnahmezangen, bajonett
YASARGIL Clip Removing Forceps, bayonet
YASARGIL Pinza per prelevare Clips, baionetta
YASARGIL Pinza para deducir Clips, bayoneta



Für Phynox Aneurysmen Clips
For Phynox Aneurysm Clips
 Per Phynox Aneurisma Clip
Para Phynox Aneurisma Clip

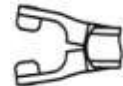
Für Titan Aneurysmen Clips
For Titanium Aneurysm Clips
 Per Titanio Aneurisma Clip
Para Titanio Aneurisma Clip



**YASARGIL
STANDARD**

NC 650.82
210mm / 8¹/₄"

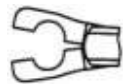
Maul starr
Mouth fixed
 Morso rigido
 Boca rígida



**YASARGIL
STANDARD**

NC 650.82 T
210mm / 8¹/₄"

Maul starr
Mouth fixed
 Morso rigido
 Boca rígida



**YASARGIL
MINI**

NC 650.72
210mm / 8¹/₄"

Maul starr
Mouth fixed
 Morso rigido
 Boca rígida



**YASARGIL
MINI**

NC 650.72 T
210mm / 8¹/₄"

Maul starr
Mouth fixed
 Morso rigido
 Boca rígida

NC 650.82 T
210mm / 8¹/₄"

Lagerungs- und Sterilisiercontainer für Aneurysmen-Clips
Utility tray for storage and sterilization for Aneurysm Clips
Container per magazzino e sterilizzazione clips per aneurisma
Bandeja de almacenaje y esterilización para Aneurisma Clip



NC 650.01

Lagerungs- und Sterilisiertray aus PPSU Kunststoff, sterilisierbar bis 3 bar (143°C / 289°F) mit 32 Unterteilungen, bestehend aus:

- 1 Deckel, perforiert
- 1 Mittelteil mit 16 Fächern für Aneurysmen Clips
- 1 Bodenteil mit 16 Fächern für Aneurysmen Clips

Utility and sterilization tray made of Plastic PPSU, sterilizable up to 3 bar (143°C / 289°F) with space for 32 Clips, consisting of:

- 1 lid, perforated*
- 1 inlay for 16 Aneurysm Clips*
- 1 bottom for Aneurysm Clips*

Container per magazzino e sterilizzazione, in materia plastica PPSU, sterilizzabile fino a 3 bar (143°C / 289°F) con 32 divisori, composto da:

- 1 coperchio perforato
- 1 parte centrale con 16 divisori per clips aneurisma
- 1 parte fondo con 16 divisori per clips aneurisma

Bandeja de almacenaje y esterilización de PPSU, esterilizable hasta 3 bar (134°C / 289 °F) con 32 segmentos, compuesto de:

- 1 tapa perforada*
- 1 parte central con 16 segmentos para para Aneurisma Clips*
- 1 fondo con 16 segmentos para para Aneurisma Clips*



NC 650.02
(150x95x13mm)

Lagerungs- und Sterilisiertray aus Edelstahl mit 18 Unterteilungen für Aneurysmen Clips

Utility and sterilization tray made of stainless steel with space for 18 Aneurysm Clips

Container per magazzino e sterilizzazione clips aneurisma, in acciaio inossidabile, con 18 divisori

Bandeja de almacenaje y esterilización de acero fino con 18 segmentos para Aneurisma Clips



NC 650.03
(210x125x17mm)

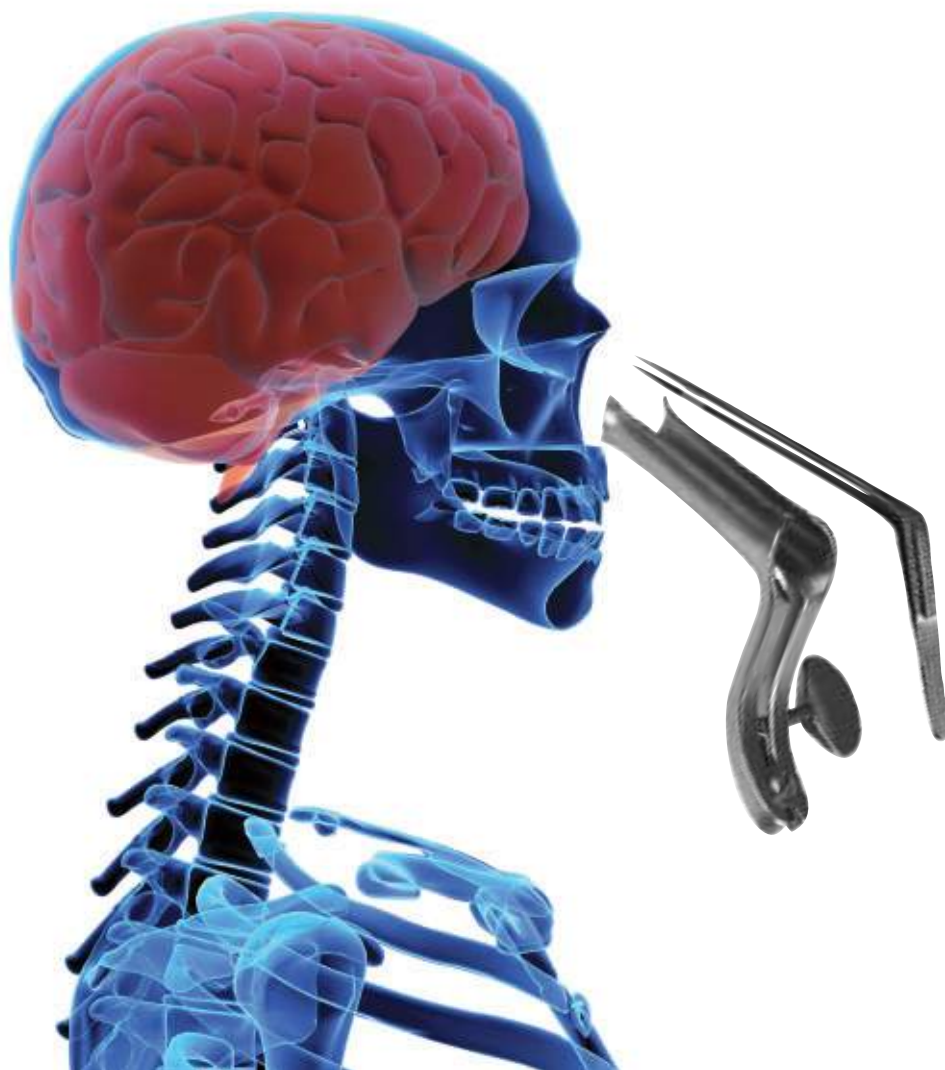
Lagerungs- und Sterilisiertray aus Edelstahl mit 42 Unterteilungen für Aneurysmen Clips

Utility and sterilization tray made of stainless steel with space for 42 Aneurysm Clips

Container per magazzino e sterilizzazione clips aneurisma, in acciaio inossidabile, con 42 divisori

Bandeja de almacenaje y esterilización de acero fino con 42 segmentos para Aneurisma Clips

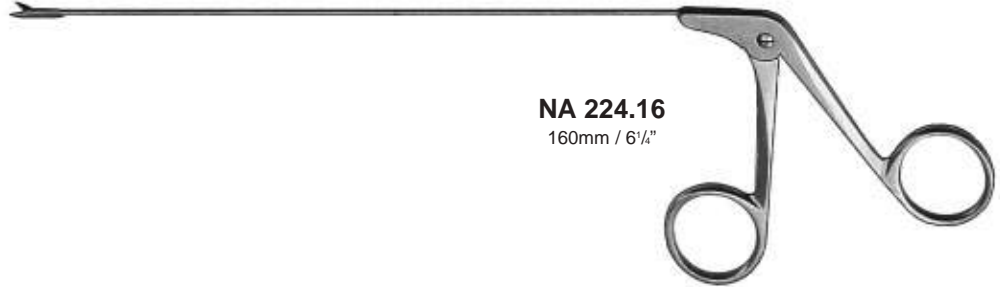




HYPOPHYSEKTOMIE INSTRUMENTE
PITUITARY INSTRUMENTS



STRUMENTI PER IPOFISECTOMIA
INSTRUMENTAL PARA HIPOFISECTOMIA



NA 224.16
 160mm / 6¼"



FAHLBUSCH

NA 220.16
 160mm / 6¼"

Mikro-Schere, gebogen, horizontal
Micro-Scissors, curved, horizontal
 Micro-Forbice, curva, orizzontale
 Micro-Tijera, curva, horizontal



NICOLA

NA 222.11
 110mm / 4¼"

Mikro-Schere, gebogen, horizontal
Micro-Scissors, curved, horizontal
 Micro-Forbice, curva, orizzontale
 Micro-Tijera, curva, horizontal



NICOLA

NA 224.16
 160mm / 6¼"

Mikro-Schere, gerade
Micro-Scissors, straight
 Micro-Forbice, retta
 Micro-Tijera, recta



**YASARGIL-
 NICOLA**

NL 822.16
 160mm / 6¼"

scharfe Löffelzange, gerade
Forceps scoop-shaped, straight
 Pinza forma di cucchiaio, retta
 Pinza forma cuchara, recta



CASPAR

NL 824.16
 160mm / 6¼"

Faßzange, gerade
Grasping Forceps, straight
 Pinza, retta
 Pinza, recta



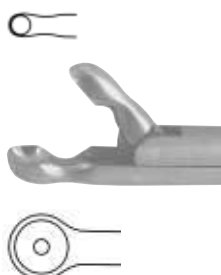
NL 996.88
 180mm / 7"



OLDBERG	NL 996.86	6mm
	180mm / 7"	
	NL 996.87	7mm
	180mm / 7"	
	NL 996.88	8mm
	180mm / 7"	
	NL 996.89	9mm
	180mm / 7"	



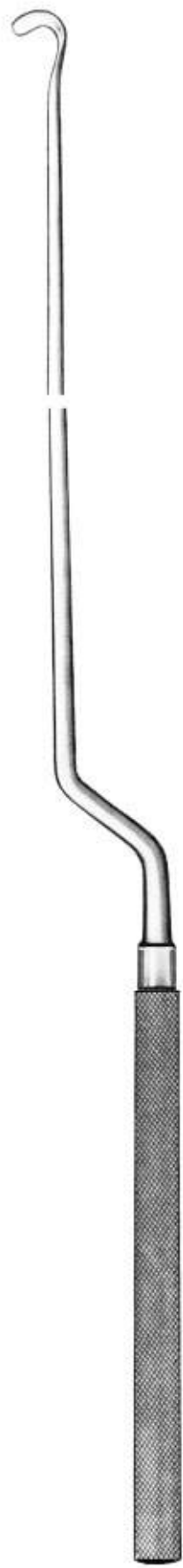
NL 996.93
 180mm / 7"



YASARGIL	NL 996.92	2,2mm
	180mm / 7"	
	NL 996.93	3,0mm
	180mm / 7"	
	NL 996.94	3,5mm
	180mm / 7"	
LANDOLT	NL 996.99	9mm, stumpf
	200mm / 8"	9mm, blunt
		9mm, smussa
		9mm, roma



Hyophysektomie Instrumente
Pituitary Instruments
Strumenti per Ipofisectomia
Instrumental para Hipofisectomía



ND 932.10
 240mm / 9½"



HARDY ND 932.10
 240mm / 9½"
 Sicheldissektor, aufgebogen, scharf
Sicle-dissector, curved up, sharp
 Dissetore falcetto, cv.vs alto, tagliente
Dissector falciform., cv.hc arriba, cort.



HARDY ND 932.11
 240mm / 9½"
 Sicheldissektor, abgebogen, scharf
Sicle-dissector, curved down, sharp
 Dissetore falcetto, cv.vs bas., tagliente
Dissector falciform., cv.hc abajo, cort.



HARDY ND 932.12
 240mm / 9½"
 Sicheldissektor, re. gebogen, scharf
Sicle-dissector, curved right, sharp
 Dissetore falcetto, cv.vs dx, tagliente
Dissector falciform., cv.a derech., cort.



HARDY ND 933.12
 240mm / 9½"
 Sicheldissektor, re. gebogen, stumpf
Sicle-dissector, curved right, blunt
 Dissetore falcetto, cv.vs dx, smusso
Dissector falciform., cv.a derech., romo



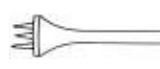
HARDY ND 932.13
 240mm / 9½"
 Sicheldissektor, li. gebogen, scharf
Sicle-dissector, curved left, sharp
 Dissetore falcetto, cv.vs sx, tagliente
Dissector falciform., cv.a izquier., cort.



HARDY ND 933.13
 240mm / 9½"
 Sicheldissektor, li. gebogen, stumpf
Sicle-dissector, curved left, blunt
 Dissetore falcetto, cv.vs sx, smusso
Dissector falciform., cv.a izqui., romo



HARDY-FAHLBUSCH ND 932.14
 240mm / 9½"
 Dissektor, aufgebogen, scharf
Dissector, curved up, sharp
 Dissetore, cv. verso l'alto, tagliente
Dissector, cv. hacia arriba, cortante



HARDY-FAHLBUSCH ND 932.15
 240mm / 9½"
 Dissektor, abgebogen, scharf
Dissector, curved down, sharp
 Dissetore, cv. verso il basso, tagliente
Dissector, cv. hacia abajo, cortante



HARDY ND 932.16
 240mm / 9½"
 Implantationsgabel
Implant Fork
 Forchetta per implantazione
Horquilla para implantación



ND 934.02
 260mm / 10 1/4"



HOSOBUCHI

ND 934.02
 260mm / 10 1/4"

Gabelspatel, fest
Fork Spatula, rigid
 Spatula forme di Forchetta, rigida
 Espatula en forma de horquilla, rígida



LANDOLT

ND 934.04
 260mm / 10 1/4"

Stumpfes Häckchen, biegsam
Blunt Hook, malleable
 Uncino smusso, malleabile
 Gancho romo, maleable



LANDOLT

ND 934.06
 260mm / 10 1/4"

Enukleator, rechts gebogen, stumpf
Enucleator, curved right, blunt
 Enucleatore, curva verso dx, smusso
 Enucleadores, curva a derecha, romo



LANDOLT

ND 934.07
 260mm / 10 1/4"

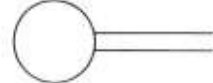
Enukleator, links gebogen, stumpf
Enucleator, curved left, blunt
 Enucleatore, curva verso sx, smusso
 Enucleadores, curva a izquierda, romo



LANDOLT

NK 934.03
 260mm / 10 1/4"

Löffel, biegsam
Curette, malleable
 Curetta, malleabile
 Cureta, maleable



LANDOLT

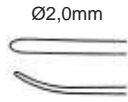
NK 934.05
 260mm / 10 1/4"

Kürette, biegsam
Curette, malleable
 Curetta, malleabile
 Cureta, maleable





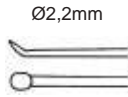
NK 936.03
 260mm / 10 1/4"



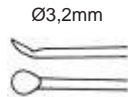
LANDOLT-REULEN ND 936.01
 260mm / 10 1/4" // Ø2,0mm
 Dissektor, fest
Dissector, rigid
 Dissetore, rigida
Dissector, rígido



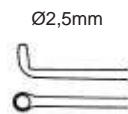
LANDOLT-REULEN ND 936.02
 260mm / 10 1/4"
 Stumpfes Häckchen, fest
Blunt Hook, rigid
 Uncino smusso, rigida
Gancho romo, rígido



LANDOLT-REULEN ND 936.06
 260mm / 10 1/4" // Ø2,2mm
 Raspatorium, fest
Raspatory, rigid
 Periostotomi., rigida
Periostótomo, rígido



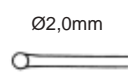
LANDOLT-REULEN ND 936.07
 260mm / 10 1/4" // Ø3,2mm
 Raspatorium, fest
Raspatory, rigid
 Periostotomi., rigida
Periostótomo, rígido



FAHLBUSCH NK 936.03
 260mm / 10 1/4" // Ø2,5mm
 Kürette, biegsam
Curette, malleable
 Curetta, malleabile
Cureta, maleable



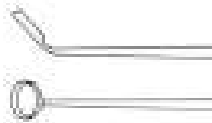
LANDOLT-REULEN NK 936.04
 260mm / 10 1/4" // Ø2,5mm
 Kürette, fest
Curette, rigid
 Curetta, rigida
Cureta, rígida



FAHLBUSCH NK 936.05
 260mm / 10 1/4" // Ø2,0mm
 Löffel, biegsam
Curette, malleable
 Curetta, malleabile
Cureta, maleable



Ø4,0mm



RAY

NK 911.04

180mm / 7 1/8" // Ø4,0mm

Kürette, horizontal 45°
Curette, horizontal 45°
Curetta, orizzontale 45°
Cureta, horizontal 45°

Ø4,0mm



RAY

NK 913.04

180mm / 7 1/8" // Ø4,0mm

Kürette, vertikal 45°
Curette, vertical 45°
Curetta, verticale 45°
Cureta, vertical 45°

NK 911.04
180mm / 7 1/8"



Hyophysektomie Instrumente
Pituitary Instruments
Strumenti per Ipofisectomia
Instrumental para Hipofisectomiá



NK 926.01
260mm / 10 1/4"

Ø4,0mm



HARDY NK 926.01
260mm / 10 1/4" // Ø4,0mm
Kürette, biegsam, aufwärts gewinkelt
Curette, malleable, angled up
Curetta, malleabile, angolato vs. l'alto
Cureta, maleable, angulada hc. arriba

Ø6,0mm



HARDY NK 926.02
260mm / 10 1/4" // Ø6,0mm
Kürette, biegsam, aufwärts gewinkelt
Curette, malleable, angled up
Curetta, malleabile, angolato vs. l'alto
Cureta, maleable, angulada hc. arriba



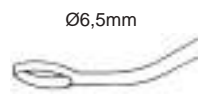
NK 927.01
 215mm / 8 1/4"



NICOLA

NK 927.01
 220mm / 8 1/2" // Ø6,5mm

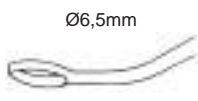
Kürette, biegsam, aufw. re.schneidend
Curette, malleable, cv.up, cutting right
 Curetta, malleabile, cv.vs alto, tagl.dx
 Cureta, maleable, cv.hc arriba, cort.de



NICOLA

NK 927.02
 220mm / 8 1/2" // Ø6,5mm

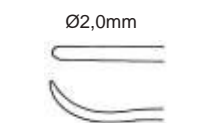
Kürette, biegsam, aufw. li.schneidend
Curette, malleable, cv.up, cutting left
 Curetta, malleabile, cv.vs alto, tagl.sx
 Cureta, maleable, cv.hc arriba, cort.iz



NICOLA

NK 927.03
 220mm / 8 1/2" // Ø6,5mm

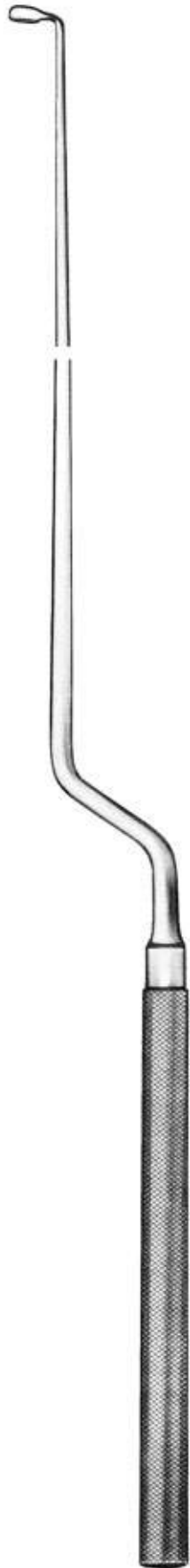
Kürette, biegsam, aufwärts gebogen
Curette, malleable, curved up
 Curetta, malleabile, curva verso l'alto
 Cureta, maleable, curva da hc. arriba



NICOLA

NN 960.22
 220mm / 8 1/2" // Ø2,0mm

Raspatorium, abwärts gebogen
Raspatory, curved down
 Periostotomi, curva verso il basso
 Periostótomos, curva da hacia abajo



NK 938.11
 240mm / 9½"



HARDY

NK 938.01
 240mm / 9½" // Ø2,5mm

NK 938.11
 240mm / 9½" // Ø3,0mm

NK 938.21
 240mm / 9½" // Ø4,0mm

NK 938.31
 240mm / 9½" // Ø5,0mm

Kürette, 90° aufgewinkelt
Curette, 90° angled up
 Curetta, 90° angolata verso l'alto
Cureta, 90° angulada hacia arriba



HARDY

NK 938.02
 240mm / 9½" // Ø2,5mm

NK 938.12
 240mm / 9½" // Ø3,0mm

NK 938.22
 240mm / 9½" // Ø4,0mm

NK 938.32
 240mm / 9½" // Ø5,0mm

Kürette, 90° abgewinkelt
Curette, 90° angled down
 Curetta, 90° angolata verso il basso
Cureta, 90° angulada hacia abajo



HARDY

NK 938.03
 240mm / 9½" // Ø2,5mm

NK 938.13
 240mm / 9½" // Ø3,0mm

NK 938.23
 240mm / 9½" // Ø4,0mm

NK 938.33
 240mm / 9½" // Ø5,0mm

Kürette, 90° rechts gebogen
Curette, 90° curved right
 Curetta, 90° curva verso destra
Cureta, 90° currada hacia derecha



HARDY

NK 938.04
 240mm / 9½" // Ø2,5mm

NK 938.14
 240mm / 9½" // Ø3,0mm

NK 938.24
 240mm / 9½" // Ø4,0mm

NK 938.34
 240mm / 9½" // Ø5,0mm

Kürette, 90° links gebogen
Curette, 90° curved left
 Curetta, 90° curva verso sinistra
Cureta, 90° currada hacia izquierda



NK 938.15
 240mm / 9½"



HARDY

NK 938.05
 240mm / 9½" // Ø2,5mm

NK 938.15
 240mm / 9½" // Ø3,0mm

NK 938.25
 240mm / 9½" // Ø4,0mm

NK 938.35
 240mm / 9½" // Ø5,0mm

Kürette, 45° aufgewinkelt
 Curette, 45° angled up
 Curetta, 45° angolata verso l'alto
 Cureta, 45° angulada hacia arriba



HARDY

NK 938.06
 240mm / 9½" // Ø2,5mm

NK 938.16
 240mm / 9½" // Ø3,0mm

NK 938.26
 240mm / 9½" // Ø4,0mm

NK 938.36
 240mm / 9½" // Ø5,0mm

Kürette, 45° abgewinkelt
 Curette, 45° angled down
 Curetta, 45° angolata verso il basso
 Cureta, 45° angulada hacia abajo



HARDY

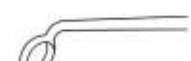
NK 938.07
 240mm / 9½" // Ø2,5mm

NK 938.17
 240mm / 9½" // Ø3,0mm

NK 938.27
 240mm / 9½" // Ø4,0mm

NK 938.37
 240mm / 9½" // Ø5,0mm

Kürette, 45° rechts gebogen
 Curette, 45° curved right
 Curetta, 45° curva verso destra
 Cureta, 45° currada hacia derecha



HARDY

NK 938.08
 240mm / 9½" // Ø2,5mm

NK 938.18
 240mm / 9½" // Ø3,0mm

NK 938.28
 240mm / 9½" // Ø4,0mm

NK 938.38
 240mm / 9½" // Ø5,0mm

Kürette, 45° links gebogen
 Curette, 45° curved left
 Curetta, 45° curva verso sinistra
 Cureta, 45° currada hacia izquierda





Hyophysektomie Instrumente
Pituitary Instruments
Strumenti per Ipofisectomia
Instrumental para Hipofisectomiá



NB 283.21
210mm / 8 1/4"

Hypophysektomie Pinzette
Pituitary Forceps
Pinza per Ipofisectomia
Pinza para hipofisectomia



NU 157.02
90 x 15mm

CUSHING-
LANDOLT

NU 157.01

70 x 15mm

CUSHING-
LANDOLT

NU 157.02

90 x 15mm

CUSHING-
LANDOLT

NU 157.03

110 x 15mm



NL 161.21
210mm / 8 1/4"

LANDOLT

NL 161.21
210mm / 8 1/4"

Spreizange für Spekula NU 157.xx
Spreader for Specula NU 157.xx
Pinza p.allargare specula NU 157.xx
Pinza de expansión espéc. NU 157.xx

Spekula für die Hypophysektomie
Specula for Hypophysectomy
 Specoli per Ipofisectomia
 Espéculos para Hipofisectomía



NU 159.02
 90 x 13mm



ND 968.02
 Spanschlüssel f. Spekula NU 159.xx
Key for specula NU 159.xx
 Chiave p.le vite-snodo sp. NU 159.xx
 Clave p. tornillos espéc. NU 159.xx



PAPAVERO-HARTMANN NU 159.95
 Spreizer für Spekula NU 159.xx
Retractor for Specula NU 159.xx
 Divaricatori per Specolo NU 159.xx
 Separadores p. Espéculo NU 159.xx



NU 160.02
 90 x 7mm

COTTLE NU 160.01 80 x 7mm

COTTLE NU 160.02 90 x 7mm

COTTLE NU 160.03 100 x 7mm





Hyophysektomie Instrumente
Pituitary Instruments
 Strumenti per Ipofisectomia
 Instrumental para Hipofisectomiá



PAPAVERO	RM 602.04 220mm / 8 ³ / ₄ "	Meißel, 4mm Chisel, 4mm Osteotom, 4mm Osteótomo, 4mm
-----------------	--	---



COTTLE	RM 604.04 180mm / 7"	Meißel, 4mm Chisel, 4mm Osteotom, 4mm Osteótomo, 4mm
---------------	-------------------------	---

COTTLE	RM 604.07 180mm / 7"	Meißel, 7mm Chisel, 7mm Osteotom, 7mm Osteótomo, 7mm
---------------	-------------------------	---

COTTLE	RM 604.09 180mm / 7"	Meißel, 9mm Chisel, 9mm Osteotom, 9mm Osteótomo, 9mm
---------------	-------------------------	---

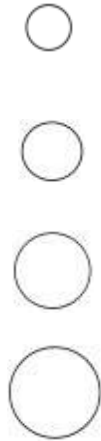
COTTLE	RM 604.12 180mm / 7"	Meißel, 12mm Chisel, 12mm Osteotom, 12mm Osteótomo, 12mm
---------------	-------------------------	---



RM 604.04
180mm / 7" // 4mm

COTTLE	KV 234.19 190mm / 7 ¹ / ₂ "	Ø 30mm, 240g - flach // convex Ø 30mm, 240g - flat // convex Ø 30mm, 240g - piatta // convessa Ø 30mm, 240g - plana // convexa
---------------	--	---

NV 945.12
 135mm / 5 1/4"



NV 945.06
 135mm / 5 1/4"

Spiegel 6mm, passend für NV 945.00
Mirror 6mm, for handle NV 945.00
 Specchio 6mm, p.manico NV 945.00
 Espejo 6mm, para mango NV 945.00

NV 945.08
 135mm / 5 1/4"

Spiegel 8mm, passend für NV 945.00
Mirror 8mm, for handle NV 945.00
 Specchio 8mm, p.manico NV 945.00
 Espejo 8mm, para mango NV 945.00

NV 945.10
 135mm / 5 1/4"

Spiegel 10mm, passend f. NV 945.00
Mirror 10mm, for handle NV 945.00
 Specchio 10mm, p.manico NV 945.00
 Espejo 10mm, p.mango NV 945.00

NV 945.12
 135mm / 5 1/4"

Spiegel 12mm, passend f. NV 945.00
Mirror 12mm, for handle NV 945.00
 Specchio 12mm, p.manico NV 945.00
 Espejo 12mm, p.mango NV 945.00

NV 945.00
 150mm / 6"

Griff für Spiegel NV 945.06 - .12
Handle f. mirrors NV 945.06 - .12
 Manico p. specchio NV 945.06 - .12
 Mango porta-espejos NV 945.06 - .12





MIKRO INSTRUMENTE
MICRO INSTRUMENTS



STRUMENTI PER MICROCHIRURGIA
INSTRUMENTAL PARA MICROCIURUGÍA



Mikro-Instrumente
Micro-Instruments
Strumenti per Microchirurgia
Instrumental para Microcirugía






MICRO Neurosurgical Instruments

Wenn Sie in unserem Katalog ein gewünschtes Instrument (andere Variante oder Länge) nicht finden, fragen Sie dieses bitte bei uns an.

If you can't find a specific instrument (other variant or length) in our catalogue, please don't hesitate to send your inquiry to us.

Sè nel ns. catalogo non trovate un'strumento richiesto da parte del Vs. cliente (p.e. con misure diverse ecc.), Vi preghiamo di contattarci.

Caso de que el instrumento deseado (material o medida diferente etc.) no se puede encontrar en nuestro catálogo, por favor no duden en contactarnos cuando sea.

Abkürzung Abbreviation Abbreviatura Abreviación	Erläuterung Explanation Illustrazione Explanación	Bestellbeispiel How to order Per ordinare Ejemplo para pedido
B = 'BLACK'	Schwarz beschichtetes Instrument <i>Black coated instrument</i> Strumento superficie nera <i>Instrumento recubierto negro</i>	MA 230.19 --> MA 230B19
SL = 'STREAMLINED'	 gedrehter Schluß <i>turned ending</i> parte finale attorcigliato <i>aguda currentilínea</i>	ME 212.18 --> ME 212.18SL
D = 'DIAMOND'	 diamantiertes Maul <i>diamond coated jaw</i> morso diamantata <i>boca diamantada</i>	MB 016.14 --> MB 016D14
T = 'TITAN'	 Titanium <i>Titanium</i> Titanio <i>Titanio</i>	MA 256.22 --> MA 256T22



MA 015.16
 160mm / 6¹/₄"



MILESSI
YASARGIL

MA 010.12
 120mm / 4³/₄"
 MA 010.16
 160mm / 6¹/₄"
 AA 773.04
 160mm / 6¹/₄"
 AA 736.19
 190mm / 7¹/₂"

Schneide gezahnt / *blade saw edge*
 lama dentellata / *hoja dentada*



MILESSI
JACOBSON

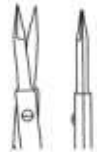
MA 011.12
 120mm / 4³/₄"
 MA 011.16
 160mm / 6¹/₄"
 AA 773.05
 160mm / 6¹/₄"
 AA 737.19
 190mm / 7¹/₂"

Schneide gezahnt / *blade saw edge*
 lama dentellata / *hoja dentada*



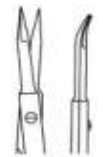
MA 012.18
 180mm / 7"

Präparierschere
Operating Scissor
 Forbice per dissezione
 Tijera para preparaciones



VANNAS

MA 014.12
 120mm / 4³/₄"
 MA 014.16
 160mm / 6¹/₄"



VANNAS

MA 015.12
 120mm / 4³/₄"
 MA 015.16
 160mm / 6¹/₄"



VANNAS

MA 017.12
 120mm / 4³/₄"

seitwärts gebogen
curved to side
 curva laterale
 acodado lateral



BIEMER

MA 021.13
 130mm / 5¹/₈"

Venenschere
Vein Scissors
 Forbice per veni
 Tijera para venas



POTTS-
YASARGIL

AA 739.19
 190mm / 7¹/₂"

seitwärts gebogen
curved to side
 curva laterale
 acodado lateral

T = 'TITAN'



Titanium
 Titanium
 Titanio
 Titanio



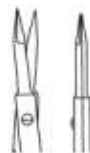
MA 030.14
 140mm / 5½"



MA 030.14
 140mm / 5½"
MA 030.18
 180mm / 7"



MA 031.14
 140mm / 5½"
MA 031.18
 180mm / 7"



VANNAS **MA 034.14**
 140mm / 5½"
MA 034.18
 180mm / 7"
MA 034.23
 230mm / 9"



VANNAS **MA 035.14**
 140mm / 5½"
MA 035.18
 180mm / 7"



HEPP-SCHIEDEL **AA 759.14**
 140mm / 5½"
AA 759.16
 160mm / 6¼"
AA 759.18
 180mm / 7"



Präparierschere / Operating Scissor
 Forbice per dissez. / Tijera para prep.





MA 230.19
 190mm / 7½"



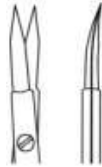
MA 226.19
 190mm / 7½"



MA 227.19
 190mm / 7½"
 aufwärts gebogen / *curved up*
 curvo verso il alto / *curvada hacia arriba*



VANNAS
MA 229.16
 160mm / 6¼"
MA 229.19
 190mm / 7½"
MA 229.22
 220mm / 8¾"



VANNAS
MA 230.16
 160mm / 6¼"
 aufwärts gebogen / *curved up*
 curvo verso il alto / *curva. hacia arriba*
MA 230.19
 190mm / 7½"
 aufwärts gebogen / *curved up*
 curvo verso il alto / *curva. hacia arriba*
MA 230.22
 220mm / 8¾"
 aufwärts gebogen / *curved up*
 curvo verso il alto / *curva. hacia arriba*



VANNAS
MA 231.01
 190mm / 7½"
 links gewinkelt / *angled left*
 anoglata sinistra / *acodada izquierda*



VANNAS
MA 231.02
 190mm / 7½"
 rechts gewinkelt / *angled right*
 anoglata destra / *acodada derecha*

VANNAS
MA 231.03
 190mm / 7½"
 aufwärts gewinkelt / *angled up*
 anoglata verso il alto / *acodada hacia arriba*



MA 241.20
 200mm / 8"



YASARGIL MA 240.16
 160mm / 6 1/4"
 MA 240.20
 200mm / 8"

YASARGIL MA 241.16
 160mm / 6 1/4"
 MA 241.20
 200mm / 8" aufwärts gebogen / *curved up*
 curvo verso il alto / *curva. hacia arriba*

YASARGIL MA 242.20
 200mm / 8" abwärts gebogen
curved down
 curvo verso il basso
curva hacia abajo

YASARGIL MA 244.16
 160mm / 6 1/4"
 MA 244.18
 180mm / 7"
 MA 244.20
 200mm / 8" Präparierschere / *Operating Scissor*
 Forbice per dissez. / *Tjera para prep.*

YASARGIL MA 245.20
 200mm / 8" Präparierschere / *Operating Scissor*
 Forbice per dissez. / *Tjera para prep.*

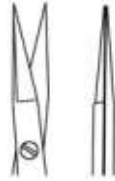




Mikro-Federscheren
Micro-Scissors
Micro-Forbici
Micro-Tijeras



MA 247.22
 220mm / 8³/₄"



YASARGIL

MA 246.22

220mm / 8³/₄"

MA 246S22

220mm / 8³/₄"

MA 246.24

240mm / 9¹/₂"

Schneiden gezahnt / *blade saw edge*
 lama dentellata / *hoja dentada*



YASARGIL

MA 247.22

220mm / 8³/₄"

MA 247S22

220mm / 8³/₄"

MA 247.24

240mm / 9¹/₂"

aufwärts gebogen / *curved up*
 curvo verso il alto / *curva. hacia arriba*

Schneiden gezahnt / *blade saw edge*
 lama dentellata / *hoja dentada*

aufwärts gebogen / *curved up*
 curvo verso il alto / *curva. hacia arriba*

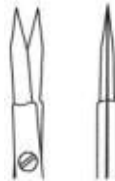


YASARGIL

MA 248.22

220mm / 8³/₄"

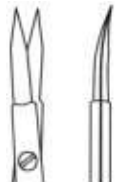
abwärts gebogen / *curved down*
 curvo verso il basso / *curva hacia abajo*



VANNAS

MA 250.22

220mm / 8³/₄"



VANNAS

MA 251.22

220mm / 8³/₄"

aufwärts gebogen / *curved up*
 curvo verso il alto / *curvada hacia arriba*



YASARGIL

MA 256.22

220mm / 8³/₄"

Präparierschere / *Operating Scissor*
 Forbice per dissez. / *Tjera para prep.*



YASARGIL

MA 257.22

220mm / 8³/₄"

Präparierschere / *Operating Scissor*
 Forbice per dissez. / *Tjera para prep.*
 aufwärts gebogen / *curved up*
 curvo verso il alto / *curva. hacia arriba*





MA 260.20
200mm / 8"



NAGEL

MA 260.20
200mm / 8"

seitwärts gebogen
curved to side
curva laterale
curvada lateralmente



MA 261.20
200mm / 8"

mit Knopf, seitwärts gebogen
ball-pointed, curved to side
con bottone, curva laterale
abotonada, curvada lateralmente



MA 262.19
190mm / 7½"

seitwärts gebogen
curved to side
curva laterale
curvada lateralmente





Mikro-Federscheren, gedrehter Schluß
Micro-Scissors, turned ending
Micro-Forbici, parte finale attorcigliato
Micro-Tijeras, aguda currentilínea

D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada

SL = 'STREAMLINED'

gedrehter Schluß
 turned ending
 parte finale attorcigliato
 aguda currentilínea



MA 361.18
 180mm / 7"



- MA 360.15SL
150mm / 6"
- MA 360.18SL
180mm / 7"
- MA 360.21SL
210mm / 8 1/4"
- MA 360.23SL
230mm / 9"

Schneide 10mm
 Blade 10mm
 Lama 10mm
 Hoja 10mm



- MA 361.15SL
150mm / 6"
- MA 361.18SL
180mm / 7"
- MA 361.21SL
210mm / 8 1/4"
- MA 361.23SL
230mm / 9"

Schneide 10mm
 Blade 10mm
 Lama 10mm
 Hoja 10mm



- MA 360D15SL
150mm / 6"
- MA 360D18SL
180mm / 7"
- MA 360D21SL
210mm / 8 1/4"
- MA 360D23SL
230mm / 9"

Schneide 10mm
 Blade 10mm
 Lama 10mm
 Hoja 10mm



- MA 361D15SL
150mm / 6"
- MA 361D18SL
180mm / 7"
- MA 361D21SL
210mm / 8 1/4"
- MA 361D23SL
230mm / 9"

Schneide 10mm
 Blade 10mm
 Lama 10mm
 Hoja 10mm

Mikro-Federschere, gedrehter Schluß
Micro-Scissors, turned ending
Micro-Forbici, parte finale attorcigliata
Micro-Tijeras, aguda currentilínea



MA 366.45
 180mm / 7"



25°

MA 366.25SL ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

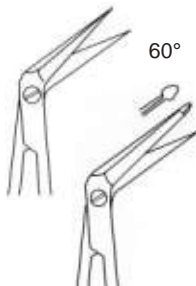
MA 367.25SL mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



45°

MA 366.45SL ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

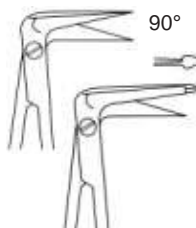
MA 367.45SL mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



60°

MA 366.60SL ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

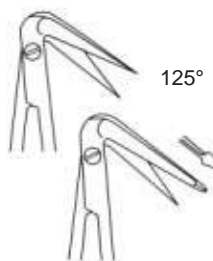
MA 367.60SL mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



90°

MA 366.90SL ohne Knopf / *without ball*
 180mm / 8³/₄" senza bottone / *sin botón*

MA 367.90SL mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



125°

MA 367.00SL ohne Knopf / *without ball*
 180mm / 8³/₄" senza bottone / *sin botón*

MA 368.00SL mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*





AA 770.60
 180mm / 7"



25°

AA 770.25
 180mm / 7"

ohne Knopf / *without ball*
 senza bottone / *sin botón*

AA 771.25
 180mm / 7"

mit Knopf / *with ball*
 con bottone / *con botón*



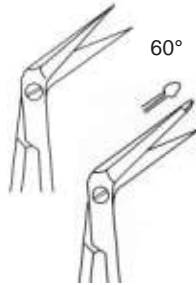
45°

AA 770.45
 180mm / 7"

ohne Knopf / *without ball*
 senza bottone / *sin botón*

AA 771.45
 180mm / 7"

mit Knopf / *with ball*
 con bottone / *con botón*



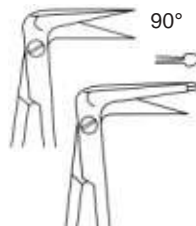
60°

AA 770.60
 180mm / 7"

ohne Knopf / *without ball*
 senza bottone / *sin botón*

AA 771.60
 180mm / 7"

mit Knopf / *with ball*
 con bottone / *con botón*



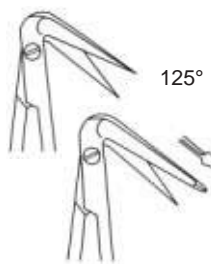
90°

AA 770.90
 180mm / 7"

ohne Knopf / *without ball*
 senza bottone / *sin botón*

AA 771.90
 180mm / 7"

mit Knopf / *with ball*
 con bottone / *con botón*



125°

AA 771.00
 180mm / 7"

ohne Knopf / *without ball*
 senza bottone / *sin botón*

AA 772.00
 180mm / 7"

mit Knopf / *with ball*
 con bottone / *con botón*



MA 371.60
 180mm / 7"



25°

MA 370.25 ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

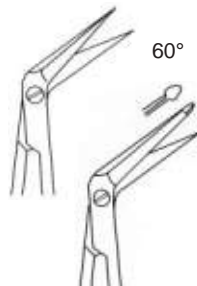
MA 371.25 mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



45°

MA 370.45 ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

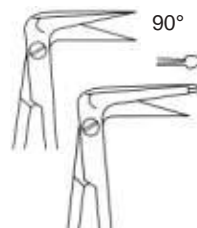
MA 371.45 mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



60°

MA 370.60 ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

MA 371.60 mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



90°

MA 370.90 ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

MA 371.90 mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



125°

MA 371.00 ohne Knopf / *without ball*
 180mm / 7" senza bottone / *sin botón*

MA 372.00 mit Knopf / *with ball*
 180mm / 7" con bottone / *con botón*



Mikro-Knüpfpinzetten
Micro-Suture forceps
Micro-Pinze per sutura
Micro-Pinzas para sutura



MB 005.08
155mm / 6"



LAZAR

MB 005.05
155mm / 6"

Spitzen 0,5mm
Tips 0,5mm
Punta 0,5mm
Punta 0,5mm



LAZAR

MB 005.08
155mm / 6"

Spitzen 0,8mm
Tips 0,8mm
Punta 0,8mm
Punta 0,8mm



MB 005.35
185mm / 7 1/2"

Spitzen 0,5mm
Tips 0,5mm
Punta 0,5mm
Punta 0,5mm

Mikro-Knüpfpinzetten
Micro-Suture forceps
 Micro-Pinze per sutura
 Micro-Pinzas para sutura



MB 007.13
 135mm / 5 1/4"



MB 007.12
 120mm / 4 3/4"

Spitzen 0,3mm
Tips 0,3mm
 Punta 0,3mm
Punta 0,3mm



WISE

MB 007.13
 135mm / 5 1/4"

Spitzen 0,3mm
Tips 0,3mm
 Punta 0,3mm
Punta 0,3mm



WISE

MB 007.23
 135mm / 5 1/4"

1:2 Zähne
1:2 teeth
 1:2 denti
1:2 diente



WISE

MB 007.33
 135mm / 5 1/4"

Spitzen 0,3mm
Tips 0,3mm
 Punta 0,3mm
Punta 0,3mm



Mikro-Knüpfpinzetten
Micro-Suture forceps
Micro-Pinze per sutura
Micro-Pinzas para sutura

D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada



MB 010.12
 120mm / 4³/₄"



MB 010.12 120mm / 4 ³ / ₄ "	Fadenplatte 6x0,3mm Tying platform 6x0,3mm
MB 016.14 140mm / 5 ¹ / ₄ "	Piattaforma 6x0,3mm Plataforma 6x0,3mm

MB 011.12 120mm / 4 ³ / ₄ "	Fadenplatte 6x0,3mm Tying platform 6x0,3mm
MB 017.14 140mm / 5 ¹ / ₄ "	Piattaforma 6x0,3mm Plataforma 6x0,3mm

MB 013.12 120mm / 4 ³ / ₄ "	Fadenplatte 6x0,3mm Tying platform 6x0,3mm
MB 019.14 140mm / 5 ¹ / ₄ "	Piattaforma 6x0,3mm Plataforma 6x0,3mm

	MB 010D12 120mm / 4 ³ / ₄ "	Fadenplatte 6x0,3mm Tying platform 6x0,3mm
	MB 016D14 140mm / 5 ¹ / ₄ "	Piattaforma 6x0,3mm Plataforma 6x0,3mm

	MB 011D12 120mm / 4 ³ / ₄ "	Fadenplatte 6x0,3mm Tying platform 6x0,3mm
	MB 017D14 140mm / 5 ¹ / ₄ "	Piattaforma 6x0,3mm Plataforma 6x0,3mm

	MB 013D12 120mm / 4 ³ / ₄ "	Fadenplatte 6x0,3mm Tying platform 6x0,3mm
	MB 019D14 140mm / 5 ¹ / ₄ "	Piattaforma 6x0,3mm Plataforma 6x0,3mm

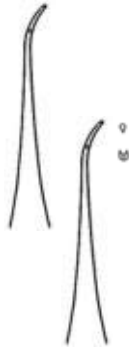


MB 022.15
 150mm / 6"



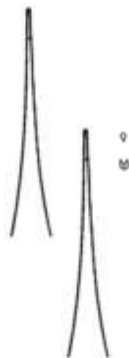
MB 022.15
 150mm / 6"
MB 024.15
 150mm / 6"

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
 Plataforma 6x0,3mm



MB 023.15
 150mm / 6"
MB 025.15
 150mm / 6"

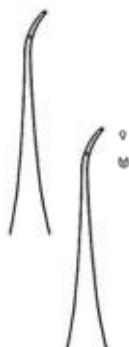
Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
 Plataforma 6x0,3mm



MB 022D15
 150mm / 6"
MB 024D15
 150mm / 6"



Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
 Plataforma 6x0,3mm



MB 023D15
 150mm / 6"
MB 025D15
 150mm / 6"



Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
 Plataforma 6x0,3mm



Mikro-Knüpfpinzetten
Micro-Suture forceps
Micro-Pinze per sutura
Micro-Pinzas para sutura



MB 030.18
180mm / 7"



MB 030.18
180mm / 7"

Fadenplatte / Tying platform 6x0,4mm
Piattaforma / Plataforma



MB 031.18
180mm / 7"

Fadenplatte / Tying platform 6x0,4mm
Piattaforma / Plataforma



MB 034.18
180mm / 7"

Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
Piattaforma 6x0,8mm
Plataforma 6x0,8mm

MB 034.21

210mm / 8 1/4"

MB 034.23

230mm / 9"



MB 035.18
180mm / 7"

Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
Piattaforma 6x0,8mm
Plataforma 6x0,8mm

MB 035.21

210mm / 8 1/4"

MB 035.23

230mm / 9"



MB 040.18
180mm / 7"

Fadenplatte / Tying platform 1:2
Piattaforma / Plataforma 6x0,4mm



MB 041.18
180mm / 7"

Fadenplatte / Tying platform 1:2
Piattaforma / Plataforma 6x0,4mm



MB 042.18
180mm / 7"

Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeth
Piattaforma 6x0,8mm, 1:2 denti
Plataforma 6x0,8mm, 1:2 dientes

MB 042.21

210mm / 8 1/4"

MB 042.23

230mm / 9"



MB 043.18
180mm / 7"

Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeth
Piattaforma 6x0,8mm, 1:2 denti
Plataforma 6x0,8mm, 1:2 dientes

MB 043.21

210mm / 8 1/4"

MB 043.23

230mm / 9"

Mikro-Knüpfpinzetten
Micro-Suture forceps
Micro-Pinze per sutura
Micro-Pinzas para sutura



D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada



MB 034D18
 180mm / 7"



MB 030D18
 180mm / 7"

Fadenplatte / *Tying platform* 6x0,4mm
 Piattaforma / *Plataforma*



MB 031D18
 180mm / 7"

Fadenplatte / *Tying platform* 6x0,4mm
 Piattaforma / *Plataforma*



MB 034D18
 180mm / 7"
MB 034D21
 210mm / 8 1/4"
MB 034D23
 230mm / 9"

Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
 Piattaforma 6x0,8mm
Plataforma 6x0,8mm



MB 035D18
 180mm / 7"
MB 035D21
 210mm / 8 1/4"
MB 035D23
 230mm / 9"

Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
 Piattaforma 6x0,8mm
Plataforma 6x0,8mm



MB 040D18
 180mm / 7"

Fadenplatte / *Tying platform* 1:2
 Piattaforma / *Plataforma* 6x0,4mm



MB 041D18
 180mm / 7"

Fadenplatte / *Tying platform* 1:2
 Piattaforma / *Plataforma* 6x0,4mm



MB 042D18
 180mm / 7"
MB 042D21
 210mm / 8 1/4"
MB 042D23
 230mm / 9"

Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeth
 Piattaforma 6x0,8mm, 1:2 denti
Plataforma 6x0,8mm, 1:2 dientes



MB 043D18
 180mm / 7"
MB 043D21
 210mm / 8 1/4"
MB 043D23
 230mm / 9"

Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeth
 Piattaforma 6x0,8mm, 1:2 denti
Plataforma 6x0,8mm, 1:2 dientes



Mikro-Pinzetten
 Micro-Forceps
 Micro-Pinze
 Micro-Pinzas



T = 'TITAN'



Titanium
 Titanium
 Titanio
 Titinio



MB 060.63
 150mm / 6"



MB 060.03
 150mm / 6"
MB 066.03
 180mm / 7"
MB 070.03
 210mm / 8 1/4"
MB 076.03
 230mm / 9"

glatt 0,3mm
smooth 0,3mm
 liscia 0,3mm
lisa 0,3mm



MB 061.03
 150mm / 6"
MB 067.03
 180mm / 7"
MB 071.03
 210mm / 8 1/4"
MB 077.03
 230mm / 9"

glatt 0,3mm
smooth 0,3mm
 liscia 0,3mm
lisa 0,3mm



MB 060.07
 150mm / 6"
MB 066.07
 180mm / 7"
MB 070.07
 210mm / 8 1/4"
MB 076.07
 230mm / 9"

glatt 0,7mm
smooth 0,7mm
 liscia 0,7mm
lisa 0,7mm



MB 061.07
 150mm / 6"
MB 067.07
 180mm / 7"
MB 071.07
 210mm / 8 1/4"
MB 077.07
 230mm / 9"

glatt 0,7mm
smooth 0,7mm
 liscia 0,7mm
lisa 0,7mm



MB 060.63
 150mm / 6"
MB 066.63
 180mm / 7"
MB 070.63
 210mm / 8 1/4"
MB 076.63
 230mm / 9"

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
Plataforma 6x0,3mm



MB 061.63
 150mm / 6"
MB 067.63
 180mm / 7"
MB 071.63
 210mm / 8 1/4"
MB 077.63
 230mm / 9"

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
Plataforma 6x0,3mm





MB 070.63
 210mm / 8 1/4"



MB 060.67
 150mm / 6"
MB 066.67
 180mm / 7"
MB 070.67
 210mm / 8 1/4"
MB 076.67
 230mm / 9"

Fadenplatte 6x0,7mm
 Tying platform 6x0,7mm
 Piattaforma 6x0,7mm
 Plataforma 6x0,7mm



MB 061.67
 150mm / 6"
MB 067.67
 180mm / 7"
MB 071.67
 210mm / 8 1/4"
MB 077.67
 230mm / 9"

Fadenplatte 6x0,7mm
 Tying platform 6x0,7mm
 Piattaforma 6x0,7mm
 Plataforma 6x0,7mm



MB 062.63
 150mm / 6"
MB 068.63
 180mm / 7"
MB 072.63
 210mm / 8 1/4"
MB 078.63
 230mm / 9"

Fadenplatte 6x0,3mm, 1:2 Zähne
 Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
 Plataforma 6x0,3mm, 1:2 dientes



MB 063.63
 150mm / 6"
MB 069.63
 180mm / 7"
MB 073.63
 210mm / 8 1/4"
MB 079.63
 230mm / 9"

Fadenplatte 6x0,3mm, 1:2 Zähne
 Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
 Plataforma 6x0,3mm, 1:2 dientes



MB 062.67
 150mm / 6"
MB 068.67
 180mm / 7"
MB 072.67
 210mm / 8 1/4"
MB 078.67
 230mm / 9"

Fadenplatte 6x0,7mm, 1:2 Zähne
 Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
 Plataforma 6x0,7mm, 1:2 dientes



MB 063.67
 150mm / 6"
MB 069.67
 180mm / 7"
MB 073.67
 210mm / 8 1/4"
MB 079.67
 230mm / 9"

Fadenplatte 6x0,7mm, 1:2 Zähne
 Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
 Plataforma 6x0,7mm, 1:2 dientes





Mikro-Pinzetten
Micro-Forceps
Micro-Pinze
Micro-Pinzas

D = 'DIAMOND'



diamantiert
diamond coated
 diamantata
 diamantada

T = 'TITAN'



Titanium
Titanium
 Titanio
 Titanio

MICRO Neurosurgical Instruments



MB 060D63
 150mm / 6"

	MB 060D03 150mm / 6" MB 066D03 180mm / 7" MB 070D03 210mm / 8 1/4" MB 076D03 230mm / 9"	Maul 0,3mm <i>Jaws 0,3mm</i> Morso 0,3mm Boca 0,3mm
--	--	--

T

	MB 061D03 150mm / 6" MB 067D03 180mm / 7" MB 071D03 210mm / 8 1/4" MB 077D03 230mm / 9"	Maul 0,3mm <i>Jaws 0,3mm</i> Morso 0,3mm Boca 0,3mm
--	--	--

T

	MB 060D07 150mm / 6" MB 066D07 180mm / 7" MB 070D07 210mm / 8 1/4" MB 076D07 230mm / 9"	Maul 0,7mm <i>Jaws 0,7mm</i> Morso 0,7mm Boca 0,7mm
--	--	--

T

	MB 061D07 150mm / 6" MB 067D07 180mm / 7" MB 071D07 210mm / 8 1/4" MB 077D07 230mm / 9"	Maul 0,7mm <i>Jaws 0,7mm</i> Morso-- 0,7mm Boca 0,7mm
--	--	--

T

	MB 060D63 150mm / 6" MB 066D63 180mm / 7" MB 070D63 210mm / 8 1/4" MB 076D63 230mm / 9"	Fadenplatte 6x0,3mm <i>Tying platform 6x0,3mm</i> Piattaforma 6x0,3mm Plataforma 6x0,3mm
--	--	---

T

	MB 061D63 150mm / 6" MB 067D63 180mm / 7" MB 071D63 210mm / 8 1/4" MB 077D63 230mm / 9"	Fadenplatte 6x0,3mm <i>Tying platform 6x0,3mm</i> Piattaforma 6x0,3mm Plataforma 6x0,3mm
--	--	---

T



MB 070D63
 210mm / 8 1/4"



MB 060D67
 150mm / 6"
MB 066D67
 180mm / 7"
MB 070D67
 210mm / 8 1/4"
MB 076D67
 230mm / 9"

Fadenplatte 6x0,7mm
 Tying platform 6x0,7mm
 Piattaforma 6x0,7mm
 Plataforma 6x0,7mm



MB 061D67
 150mm / 6"
MB 067D67
 180mm / 7"
MB 071D67
 210mm / 8 1/4"
MB 077D67
 230mm / 9"

Fadenplatte 6x0,7mm
 Tying platform 6x0,7mm
 Piattaforma 6x0,7mm
 Plataforma 6x0,7mm



MB 062D63
 150mm / 6"
MB 068D63
 180mm / 7"
MB 072D63
 210mm / 8 1/4"
MB 078D63
 230mm / 9"

Fadenplatte 6x0,3mm, 1:2 Zähne
 Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
 Plataforma 6x0,3mm, 1:2 dientes



MB 063D63
 150mm / 6"
MB 069D63
 180mm / 7"
MB 073D63
 210mm / 8 1/4"
MB 079D63
 230mm / 9"

Fadenplatte 6x0,3mm, 1:2 Zähne
 Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
 Plataforma 6x0,3mm, 1:2 dientes



MB 062D67
 150mm / 6"
MB 068D67
 180mm / 7"
MB 072D67
 210mm / 8 1/4"
MB 078D67
 230mm / 9"

Fadenplatte 6x0,7mm, 1:2 Zähne
 Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
 Plataforma 6x0,7mm, 1:2 dientes



MB 063D67
 150mm / 6"
MB 069D67
 180mm / 7"
MB 073D67
 210mm / 8 1/4"
MB 079D67
 230mm / 9"

Fadenplatte 6x0,7mm, 1:2 Zähne
 Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
 Plataforma 6x0,7mm, 1:2 dientes





Mikro-Ring-Pinzetten
Micro Ring Forceps
Micro-Pinze
Micro-Pinzas

D = 'DIAMOND'



diamantiert
diamond coated
 diamantata
 diamantada



MB 082.18
 180mm / 7"



MB 080.15

150mm / 6"

MB 080.18

180mm / 7"

MB 080.21

210mm / 8 1/4"

MB 080.23

230mm / 9"

Ring 1x0,5mm, glatt
Jaws 1x0,5mm, smooth
 Morso 1x0,5mm, liscia
 Boca 1x0,5mm, lisa



MB 081.15

150mm / 6"

MB 081.18

180mm / 7"

MB 081.21

210mm / 8 1/4"

MB 081.23

230mm / 9"

Ring 1x0,5mm, gerieft
Jaws 1x0,5mm, serrated
 Morso 1x0,5mm, zigrinata
 Boca 1x0,5mm, ranuras



MB 082.15

150mm / 6"

MB 082.18

180mm / 7"

MB 082.21

210mm / 8 1/4"

MB 082.23

230mm / 9"

Ring 2x1mm, glatt
Jaws 2x1mm, smooth
 Morso 2x1mm, liscia
 Boca 2x1mm, lisa



MB 083.15

150mm / 6"

MB 083.18

180mm / 7"

MB 083.21

210mm / 8 1/4"

MB 083.23

230mm / 9"

Ring 2x1mm, gerieft
Jaws 2x1mm, serrated
 Morso 2x1mm, zigrinata
 Boca 2x1mm, ranuras



MB 080D15

150mm / 6"

MB 080D18

180mm / 7"

MB 080D21

210mm / 8 1/4"

MB 080D23

230mm / 9"



Ring 1x0,5mm
Jaws 1x0,5mm
 Morso 1x0,5mm
 Boca 1x0,5mm



MB 082D15

150mm / 6"

MB 082D18

180mm / 7"

MB 082D21

210mm / 8 1/4"

MB 082D23

230mm / 9"



Ring 2x1mm
Jaws 2x1mm
 Morso 2x1mm
 Boca 2x1mm



T = 'TITAN'



Titanium
 Titanium
 Titanio
 Titanio



MB 086.18
 180mm / 7"



DE BAKEY

MB 085.15

150mm / 6"

MB 085.18

180mm / 7"

MB 085.21

210mm / 8 1/4"

MB 085.23

230mm / 9"

Maulbreite 1,2mm
 Jaws 1,2mm
 Morso 1,2mm
 Boca 1,2mm



DE BAKEY

MB 086.15

150mm / 6"

MB 086.18

180mm / 7"

MB 086.21

210mm / 8 1/4"

MB 086.23

230mm / 9"

Maulbreite 2mm
 Jaws 2mm
 Morso 2mm
 Boca 2mm



DE BAKEY

MB 087.15

150mm / 6"

MB 087.18

180mm / 7"

MB 087.21

210mm / 8 1/4"

MB 087.23

230mm / 9"

Maulbreite 1,2mm
 Jaws 1,2mm
 Morso 1,2mm
 Boca 1,2mm



DE BAKEY

MB 088.15

150mm / 6"

MB 088.18

180mm / 7"

MB 088.21

210mm / 8 1/4"

MB 088.23

230mm / 9"

Maulbreite 2mm
 Jaws 2mm
 Morso 2mm
 Boca 2mm





CT-ORO

C = carbide T = tungsten
 C = carburo T = tungsteno



MB 095.18
180mm / 7"



DE BAKAY	MB 095.18 180mm / 7"	Maulbreite 1,2mm
	MB 095.21 210mm / 8¼"	Jaws 1,2mm
	MB 095.23 230mm / 9"	Morso 1,2mm Boca 1,2mm



DE BAKAY	MB 096.18 180mm / 7"	Maulbreite 2mm
	MB 096.21 210mm / 8¼"	Jaws 2mm
	MB 096.23 230mm / 9"	Morso 2mm Boca 2mm



DE BAKAY	MB 097.18 180mm / 7"	Maulbreite 1,2mm
	MB 097.21 210mm / 8¼"	Jaws 1,2mm
	MB 097.23 230mm / 9"	Morso 1,2mm Boca 1,2mm



DE BAKAY	MB 098.18 180mm / 7"	Maulbreite 2mm
	MB 098.21 210mm / 8¼"	Jaws 2mm
	MB 098.23 230mm / 9"	Morso 2mm Boca 2mm

Mikro-Pinzetten bajonett
Micro-Forceps bayonet
 Micro-Pinze baionetta
 Micro-Pinzas bayoneta



T = 'TITAN'



Titanium
Titanium
 Titanio
Titanio



MB 145.20
 200mm / 8"



YASARGIL

MB 145.16
 160mm / 6 1/4"
 MB 145.18
 180mm / 7"
 MB 145.20
 200mm / 8"
 MB 145.22
 220mm / 8 3/4"
 MB 145.24
 240mm / 9 1/2"

Spitzen 0,6mm
Tips 0,6mm
 Punta 0,6mm
Punta 0,6mm



YASARGIL

MB 147.16
 160mm / 6 1/4"
 MB 147.18
 180mm / 7"
 MB 147.20
 200mm / 8"
 MB 147.22
 220mm / 8 3/4"
 MB 147.24
 240mm / 9 1/2"

Spitzen 0,9mm
Tips 0,9mm
 Punta 0,9mm
Punta 0,9mm



YASARGIL

MB 148.18
 180mm / 7"

1:2 Zähne
1:2 teeth
 1:2 denti
1:2 diente



Mikro-Ligaturpinzetten bajonett
Micro-Ligature Forceps bayonet
Micro-Pinze per Legature baionetta
Micro-Pinzas para Ligaduras bayoneta



MB 162.18
180mm / 7"

Aufwärts gebogen
Curved up
Curvo verso il alto
Curvada hacia arriba

MB 162.18
180mm / 7"

Mikro-Pinzetten bajonett
Micro-Forceps bayonet
Micro-Pinze baionetta
Micro-Pinzas bayoneta



D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada



MB 170D18
 180mm / 7"



MB 170.16 spitz
 160mm / 6 1/2" sharp
AB 019.01 acuta
 180mm / 7" aguda



MB 172.16 spitz
 160mm / 6 1/2" sharp
MB 172.18 acuta
 180mm / 7" aguda



MB 171.16 stumpf
 160mm / 6 1/2" blunt
AB 019.02 roma
 180mm / 7" smussa



MB 173.16 stumpf
 160mm / 6 1/2" blunt
AB 019.03 roma
 180mm / 7" smussa



MB 170D16 spitz
 160mm / 6 1/2" sharp
MB 170D18 acuta
 180mm / 7" aguda



MB 172D16 spitz
 160mm / 6 1/2" sharp
MB 172D18 acuta
 180mm / 7" aguda



MB 171D16 stumpf
 160mm / 6 1/2" blunt
MB 171D18 roma
 180mm / 7" smussa



MB 173D16 stumpf
 160mm / 6 1/2" blunt
MB 173D18 roma
 180mm / 7" smussa





Mikro-Pinzetten bajonett
Micro-Forceps bayonet
 Micro-Pinze baionetta
 Micro-Pinzas bayoneta



MB 191.21
 210mm / 8¹/₄"



MB 190.21
 210mm / 8¹/₄"
MB 190.23
 230mm / 9"

spitz
 sharp
 acuta
 aguda



MB 192.21
 210mm / 8¹/₄"
MB 192.23
 230mm / 9"

spitz
 sharp
 acuta
 aguda



MB 191.21
 210mm / 8¹/₄"
MB 191.23
 230mm / 9"

stumpf
 blunt
 smussa
 roma



MB 193.21
 210mm / 8¹/₄"
MB 193.23
 230mm / 9"

stumpf
 blunt
 smussa
 roma



MB 190D21
 210mm / 8¹/₄"
MB 190D23
 230mm / 9"

spitz
 sharp
 acuta
 aguda



MB 192D21
 210mm / 8¹/₄"
MB 192D23
 230mm / 9"

spitz
 sharp
 acuta
 aguda



MB 191D21
 210mm / 8¹/₄"
MB 191D23
 230mm / 9"

stumpf
 blunt
 smussa
 roma



MB 193D21
 210mm / 8¹/₄"
MB 193D23
 230mm / 9"

stumpf
 blunt
 smussa
 roma



Mikro-Ring Pinzetten bajonett
Micro-Ring Forceps bayonet
 Micro-Pinze ad anello baionetta
Micro-Pinzas anillo bayoneta



MB 197.21
 210mm / 8 1/4"

D = 'DIAMOND'



diamantiert
diamond coated
 diamantata
 diamantada

T = 'TITAN'



Titanium
Titanium
 Titanio
 Titanio



MB 195.21
 210mm / 8 1/4"
MB 195.23
 230mm / 9"

Ring 1x0,5mm, glatt
Jaws 1x0,5mm, smooth
 Morso 1x0,5mm, liscia
Boca 1x0,5mm, lisa



MB 196.21
 210mm / 8 1/4"
MB 196.23
 230mm / 9"

Ring 1x0,5mm, gerieft
Jaws 1x0,5mm, serrated
 Morso 1x0,5mm, zigrinata
Boca 1x0,5mm, ranuras



MB 197.21
 210mm / 8 1/4"
MB 197.23
 230mm / 9"

Ring 2x1mm, glatt
Jaws 2x1mm, smooth
 Morso 2x1mm, liscia
Boca 2x1mm, lisa



MB 198.21
 210mm / 8 1/4"
MB 198.23
 230mm / 9"

Ring 2x1mm, gerieft
Jaws 2x1mm, serrated
 Morso 2x1mm, zigrinata
Boca 2x1mm, ranuras



MB 195D21
 210mm / 8 1/4"
MB 195D23
 230mm / 9"

Ring 1x0,5mm
Jaws 1x0,5mm
 Morso 1x0,5mm
Boca 1x0,5mm



MB 197D21
 210mm / 8 1/4"
MB 197D23
 230mm / 9"

Ring 2x1mm
Jaws 2x1mm
 Morso 2x1mm
Boca 2x1mm





Mikro-Knüpf Pinzetten
Micro-Suture Forceps
Micro-Pinze per suture
Micro-Pinzas para sutura

T = 'TITAN'



Titanium
 Titanium
 Titanio
 Titano

MICRO Neurosurgical Instruments



MB 220.15
 150mm / 6"



MB 220.15
 150mm / 6"
MB 220.18
 180mm / 7"
MB 220.21
 210mm / 8 1/4"

Maulbreite 0,3mm, glatt
 Jaws 0,3mm, smooth
 Morso 0,3mm, liscia
 Boca 0,3mm, lisa



MB 221.15
 150mm / 6"
MB 221.18
 180mm / 7"
MB 221.21
 210mm / 8 1/4"

Maulbreite 0,3mm, glatt
 Jaws 0,3mm, smooth
 Morso 0,3mm, liscia
 Boca 0,3mm, lisa



MB 222.15
 150mm / 6"
MB 222.18
 180mm / 7"
MB 222.21
 210mm / 8 1/4"

Maulbreite 0,7mm, glatt
 Jaws 0,7mm, smooth
 Morso 0,7mm, liscia
 Boca 0,7mm, lisa



MB 223.15
 150mm / 6"
MB 223.18
 180mm / 7"
MB 223.21
 210mm / 8 1/4"

Maulbreite 0,7mm, glatt
 Jaws 0,7mm, smooth
 Morso 0,7mm, liscia
 Boca 0,7mm, lisa



MB 224.15
 150mm / 6"
MB 224.18
 180mm / 7"
MB 224.21
 210mm / 8 1/4"

Fadenplatte 6x0,3mm
 Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
 Plataforma 6x0,3mm



MB 225.15
 150mm / 6"
MB 225.18
 180mm / 7"
MB 225.21
 210mm / 8 1/4"

Fadenplatte 6x0,3mm
 Tying platform 6x0,3mm
 Piattaforma 6x0,3mm
 Plataforma 6x0,3mm



MB 226.15
 150mm / 6"
MB 226.18
 180mm / 7"
MB 226.21
 210mm / 8 1/4"

Fadenplatte 6x0,7mm
 Tying platform 6x0,7mm
 Piattaforma 6x0,7mm
 Plataforma 6x0,7mm



MB 227.15
 150mm / 6"
MB 227.18
 180mm / 7"
MB 227.21
 210mm / 8 1/4"

Fadenplatte 6x0,7mm
 Tying platform 6x0,7mm
 Piattaforma 6x0,7mm
 Plataforma 6x0,7mm





MB 228.21
 210mm / 8 1/4"



MB 228.15
 150mm / 6"
MB 228.18
 180mm / 7"
MB 228.21
 210mm / 8 1/4"

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
Plataforma 6x0,3mm, 1:2 dientes



MB 229.15
 150mm / 6"
MB 229.18
 180mm / 7"
MB 229.21
 210mm / 8 1/4"

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
Plataforma 6x0,3mm, 1:2 dientes



MB 230.15
 150mm / 6"
MB 230.18
 180mm / 7"
MB 230.21
 210mm / 8 1/4"

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
Plataforma 6x0,7mm, 1:2 dientes



MB 231.15
 150mm / 6"
MB 231.18
 180mm / 7"
MB 231.21
 210mm / 8 1/4"

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
Plataforma 6x0,7mm, 1:2 dientes





Mikro-Knüpf Pinzetten, diamantiert
Micro-Suture Forceps, diamond coated
Micro-Pinze per suture, diamantata
Micro-Pinzas para sutura, diamantada

D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada

T = 'TITAN'



Titanium
 Titanium
 Titanio
 Titanio



MB 220.15
 150mm / 6"



	MB 220D15 150mm / 6"	Maulbreite 0,3mm, glatt	T
	MB 220D18 180mm / 7"	Jaws 0,3mm, smooth	
	MB 220D21 210mm / 8 1/4"	Morso 0,3mm, liscia Boca 0,3mm, lisa	



	MB 221D15 150mm / 6"	Maulbreite 0,3mm, glatt	T
	MB 221D18 180mm / 7"	Jaws 0,3mm, smooth	
	MB 221D21 210mm / 8 1/4"	Morso 0,3mm, liscia Boca 0,3mm, lisa	



	MB 222D15 150mm / 6"	Maulbreite 0,7mm, glatt	T
	MB 222D18 180mm / 7"	Jaws 0,7mm, smooth	
	MB 222D21 210mm / 8 1/4"	Morso 0,7mm, liscia Boca 0,7mm, lisa	



	MB 223D15 150mm / 6"	Maulbreite 0,7mm, glatt	T
	MB 223D18 180mm / 7"	Jaws 0,7mm, smooth	
	MB 223D21 210mm / 8 1/4"	Morso 0,7mm, liscia Boca 0,7mm, lisa	



	MB 224D15 150mm / 6"	Fadenplatte 6x0,3mm	T
	MB 224D18 180mm / 7"	Tying platform 6x0,3mm	
	MB 224D21 210mm / 8 1/4"	Piattaforma 6x0,3mm Plataforma 6x0,3mm	



	MB 225D15 150mm / 6"	Fadenplatte 6x0,3mm	T
	MB 225D18 180mm / 7"	Tying platform 6x0,3mm	
	MB 225D21 210mm / 8 1/4"	Piattaforma 6x0,3mm Plataforma 6x0,3mm	



	MB 226D15 150mm / 6"	Fadenplatte 6x0,7mm	T
	MB 226D18 180mm / 7"	Tying platform 6x0,7mm	
	MB 226D21 210mm / 8 1/4"	Piattaforma 6x0,7mm Plataforma 6x0,7mm	



	MB 227D15 150mm / 6"	Fadenplatte 6x0,7mm	T
	MB 227D18 180mm / 7"	Tying platform 6x0,7mm	
	MB 227D21 210mm / 8 1/4"	Piattaforma 6x0,7mm Plataforma 6x0,7mm	

Mikro-Knüpff Pinzetten, diamantiert
Micro-Suture Forceps, diamond coated
Micro-Pinze per sutura, diamantata
Micro-Pinzas para sutura, diamantada



MB 228.21
 210mm / 8 1/4"



MB 228D15
 150mm / 6"
MB 228D18
 180mm / 7"
MB 228D21
 210mm / 8 1/4"

Fadenplatte 6x0,3mm, 1:2 Zähne
 Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
 Plataforma 6x0,3mm, 1:2 dientes



MB 229D15
 150mm / 6"
MB 229D18
 180mm / 7"
MB 229D21
 210mm / 8 1/4"

Fadenplatte 6x0,3mm, 1:2 Zähne
 Tying platform 6x0,3mm, 1:2 teeth
 Piattaforma 6x0,3mm, 1:2 denti
 Plataforma 6x0,3mm, 1:2 dientes



MB 230D15
 150mm / 6"
MB 230D18
 180mm / 7"
MB 230D21
 210mm / 8 1/4"

Fadenplatte 6x0,7mm, 1:2 Zähne
 Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
 Plataforma 6x0,7mm, 1:2 dientes



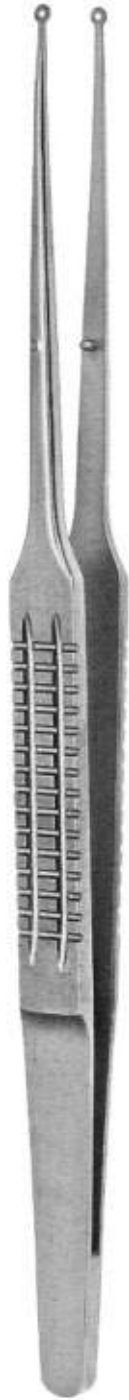
MB 231D15
 150mm / 6"
MB 231D18
 180mm / 7"
MB 231D21
 210mm / 8 1/4"

Fadenplatte 6x0,7mm, 1:2 Zähne
 Tying platform 6x0,7mm, 1:2 teeth
 Piattaforma 6x0,7mm, 1:2 denti
 Plataforma 6x0,7mm, 1:2 dientes





Mikro-Ring Pinzetten
Micro-Ring Forceps
Micro-Pinze ad anello
Micro-Pinzas anillo



MB 260.18
180mm / 7"



MB 260.15

150mm / 6"

MB 260.18

180mm / 7"

MB 260.21

210mm / 8 1/4"

Ring 1x0,5mm, glatt
Jaws 1x0,5mm, smooth
Morso 1x0,5mm, liscia
Boca 1x0,5mm, lisa



MB 262.15

150mm / 6"

MB 262.18

180mm / 7"

MB 262.21

210mm / 8 1/4"

Ring 1x0,5mm, fein gerieft
Jaws 1x0,5mm, fine serrated
Morso 1x0,5mm, zigrinata fina
Boca 1x0,5mm, ranura fina



MB 264.15

150mm / 6"

MB 264.18

180mm / 7"

MB 264.21

210mm / 8 1/4"

Ring 2x1mm, glatt
Jaws 2x1mm, smooth
Morso 2x1mm, liscia
Boca 2x1mm, lisa



MB 266.15

150mm / 6"

MB 266.18

180mm / 7"

MB 266.21

210mm / 8 1/4"

Ring 2x1mm, fein gerieft
Jaws 2x1mm, fine serrated
Morso 2x1mm, zigrinata fina
Boca 2x1mm, ranura fina



MB 260D15

150mm / 6"

MB 260D18

180mm / 7"

MB 260D21

210mm / 8 1/4"



Ring 1x0,5mm
Jaws 1x0,5mm
Morso 1x0,5mm
Boca 1x0,5mm



MB 264D15

150mm / 6"

MB 264D18

180mm / 7"

MB 264D21

210mm / 8 1/4"



Ring 2x1mm
Jaws 2x1mm
Morso 2x1mm
Boca 2x1mm



Mikro-Ring Pinzetten
Micro-Ring Forceps
Micro-Pinze ad anello
Micro-Pinzas anillo



MB 280.18
 180mm / 7"

	GERALD	MB 280.18 180mm / 7"	Ring 1x0,5mm, glatt Jaws 1x0,5mm, smooth Morso 1x0,5mm, liscia Boca 1x0,5mm, lisa
	GERALD 	MB 281.18 180mm / 7"	Ring 1x0,5mm, fein gerieft Jaws 1x0,5mm, fine serrated Morso 1x0,5mm, zigrinata fina Boca 1x0,5mm, ranuras fina
	GERALD 	MB 282.18 180mm / 7"	Maul 1mm, glatt, gerade Jaws 1mm, smooth, straight Morso 1mm, liscia, retta Boca 1mm, lisa, recta
	GERALD 	MB 283.18 180mm / 7"	Maul 1mm, glatt, gebogen Jaws 1mm, smooth, curved Morso 1mm, liscia, curva Boca 1mm, lisa, curva
	GERALD 	MB 286.18 180mm / 7"	Fadenplatte 6x1mm, gerade Tying platform 6x1mm, straight Piattaforma 6x1mm, retta Plataforma 6x1mm, recta
	GERALD 	MB 287.18 180mm / 7"	Fadenplatte 6x1mm, gebogen Tying platform 6x1mm, curved Piattaforma 6x1mm, curva Plataforma 6x1mm, curva
	DE BAKEY	MB 288.18 180mm / 7"	Maulbreite 1,2mm, gerade Jaws 1,2mm, straight Morso 1,2mm, retta Boca 1,2mm, recta
	DE BAKEY	MB 289.18 180mm / 7"	Maulbreite 2mm, gerade Jaws 2mm, straight Morso 2mm, retta Boca 2mm, recta



Tumorfaßpinzette
Tumor Grasping Forceps
Pinze per tumori
Pinzas para tumores



HUNT

AB 001.02
180mm / 7" // Ø 5mm

flachgezahnt
jaws flat serrated
dentellate
dentadas

AB 001.02
200mm / 8"

Tumorfaßpinzette bajonett
Tumor Grasping Forceps bayonet
Pinze per tumori baionetta
Pinzas para tumores bayoneta



AB 009.03
220mm / 8³/₄"



YASARGIL

AB 009.03
220mm / 8³/₄"

Maulbreite 3mm
Jaws 3mm
Morso 3mm
Boca 3mm



YASARGIL

AB 009.05
220mm / 8³/₄"

Maulbreite 5mm
Jaws 5mm
Morso 5mm
Boca 5mm





Tumorfaßpinzette bajonett
Tumor Grasping Forceps bayonet
Pinze per tumori baiionetta
Pinzas para tumores bayoneta



AB 011.03
230mm / 9"



SAMII

AB 011.03
230mm / 9" // Ø 3mm

löffelförmig, aufwärts gebogen
jaws spoon-shaped, curved up
a forma di cucchiaio, curva verso l'alto
forma de cucharilla, curvada hc.arriba



SAMII

AB 011.04
230mm / 9" // Ø 4mm

löffelförmig, aufwärts gebogen
jaws spoon-shaped, curved up
a forma di cucchiaio, curva verso l'alto
forma de cucharilla, curvada hc.arriba



SAMII

AB 011.05
230mm / 9" // Ø 5mm

löffelförmig, aufwärts gebogen
jaws spoon-shaped, curved up
a forma di cucchiaio, curva verso l'alto
forma de cucharilla, curvada hc.arriba



SAMII

AB 011.13
230mm / 9" // Ø 3mm

löffelförmig, abwärts gebogen
jaws spoon-shaped, curved down
a forma di cucchiaio, curva vs.il basso
forma de cucharilla, curvada hc. abajo



SAMII

AB 011.14
230mm / 9" // Ø 4mm

löffelförmig, abwärts gebogen
jaws spoon-shaped, curved down
a forma di cucchiaio, curva vs.il basso
forma de cucharilla, curvada hc. abajo



SAMII

AB 011.15
230mm / 9" // Ø 5mm

löffelförmig, abwärts gebogen
jaws spoon-shaped, curved down
a forma di cucchiaio, curva vs.il basso
forma de cucharilla, curvada hc. abajo



SAMII

AB 013.03
230mm / 9" // Ø 3mm

flachgezahnt, aufwärts gebogen
jaws flat serrated, curved up
dentellate, curva verso l'alto
dentadas, curvada hacia arriba



SAMII

AB 014.03
230mm / 9" // Ø 3mm

flachgezahnt, aufwärts gebogen
jaws flat serrated, curved up
dentellate, curva verso l'alto
dentadas, curvada hacia arriba

Tumorfaßpinzette bajonett
Tumor Grasping Forceps bayonet
 Pinze per tumori baionetta
 Pinzas para tumores bayoneta



AB 003.05
 220mm / 8³/₄"

○	YASARGIL	AB 001.03	löffelförmig
		220mm / 8 ³ / ₄ " // Ø 3mm	<i>jaws spoon-shaped</i>
○	YASARGIL	AB 001.05	a forma di cucchiaio
		220mm / 8 ³ / ₄ " // Ø 5mm	<i>a forma de cucharilla</i>
○	YASARGIL	AB 003.03	flachgezahnt
		220mm / 8 ³ / ₄ " // Ø 3mm	<i>jaws flat serrated</i>
○	YASARGIL	AB 003.05	dentellate
		220mm / 8 ³ / ₄ " // Ø 5mm	<i>dentadas</i>
○	YASARGIL	AB 005.03	kürettenförmig
		220mm / 8 ³ / ₄ " // Ø 3mm	<i>jaws curette toothed</i>
○	YASARGIL	AB 005.05	a forma di curetta
		220mm / 8 ³ / ₄ " // Ø 5mm	<i>forma de cureta</i>





Tumorfaßpinzette bajonett
Tumor Grasping Forceps bayonet
Pinze per tumori baionetta
Pinzas para tumores bayoneta



MB 413T22
 220mm / 8³/₄"

○	YASARGIL	MB 410.22 220mm / 8 ³ / ₄ " // Ø 3mm	löffelförmig jaws spoon-shaped a forma di cucchiaio	T
	YASARGIL-SAMII	MB 410.24 240mm / 9 ¹ / ₂ " // Ø 3mm	forma de cucharilla	
○	YASARGIL	MB 411.22 220mm / 8 ³ / ₄ " // Ø 5mm	löffelförmig jaws spoon-shaped a forma di cucchiaio	T
	YASARGIL-SAMII	MB 411.24 240mm / 9 ¹ / ₂ " // Ø 5mm	forma de cucharilla	
○	YASARGIL	MB 412.22 220mm / 8 ³ / ₄ " // Ø 7mm	löffelförmig jaws spoon-shaped a forma di cucchiaio	T
	YASARGIL-SAMII	MB 412.24 240mm / 9 ¹ / ₂ " // Ø 7mm	forma de cucharilla	
○	YASARGIL	MB 413.22 220mm / 8 ³ / ₄ " // Ø 3mm	flachgezahnt jaws flat serrated dentellate	T
		MB 413.24 240mm / 9 ¹ / ₂ " // Ø 3mm	dentadas	
○	YASARGIL	MB 414.22 220mm / 8 ³ / ₄ " // Ø 5mm	flachgezahnt jaws flat serrated dentellate	T
		MB 414.24 240mm / 9 ¹ / ₂ " // Ø 5mm	dentadas	
○	HEIFETZ	MB 416.22 220mm / 8 ³ / ₄ " // Ø 3mm	kürettenförmig jaws curette toothed a forma di curetta	T
		MB 416.24 240mm / 9 ¹ / ₂ " // Ø 3mm	forma de cureta	
○	HEIFETZ	MB 417.22 220mm / 8 ³ / ₄ " // Ø 5mm	kürettenförmig jaws curette toothed a forma di curetta	T
		MB 417.24 240mm / 9 ¹ / ₂ " // Ø 5mm	forma de cureta	

Wenn Sie in unserem Katalog einen gewünschten Mikro-Nadelhalter nicht finden, wir gehen auf Ihre Wünsche ein. Sie können bei uns verschiedene Maulbreiten, Längen und schwarz beschichtete Instrumente bestellen.
 Bestellbeispiel: AE 210.21 --> AE 210**B23-2** = Mikro-Nadelhalter, **schwarz beschichtet**, **23cm**, Maulbreite **2mm**

*If you can't find a specific micro needle holder in our catalogue, we care about your wishes.
 You can order different width of jaws, length and black coated instruments.*

How to order: AE 210.21 --> AE 210**B23-2** = Micro-Needle Holder, **black coated**, **23cm**, width of jaw **2mm**

Sè non trovate un portaghi micro nel ns. catalogo, p.e. con misure diverse ecc., Vi preghiamo di contattarci per soddisfare le Vs. richieste. Potete ordinare portaghi con morsi e lunghezze differenti, com'anche strumenti superficie nera.

Per ordinare: AE 210.21 --> AE 210**B23-2** = Portaghi Micro, **con superficie nera**, **23cm**, larghezza morso **2mm**

Caso de que Ud. no puede encontrar el Micro porta-agujas deseado, por favor no dude en contactarnos cuando sea.

Ud. puede solicitar modelos de diferentes medidas de boca, longitudes e instrumentos con recubrimiento negro.

*Ejemplo p.pedido: AE 210.21 --> AE 210**B23-2** = Porta-aguja micro, **recubierto negro**, **23cm**, anch. de la boca **2mm***

Maulbreiten für die Verwendung an folgenden Nadeln (unverbindliche Empfehlung):

Width of jaws for using of following needles (non-committal recommendation):

Misura del morso per l'uso del ago (i dati sono indicativi):

Anchura de la boca para el relativo aguja (los datos no están obligatorios):



Maulbreite Width of jaw Larghezza del morso Anchura de la boca		Nadel Needle Ago Aguja
~2,0mm	→	~3/0-4/0
~1,5mm	→	~4/0-5/0
~1,2mm	→	~5/0-6/0
~1,0mm	→	~6/0-7/0
~0,8mm	→	~7/0-8/0
~0,5mm	→	~8/0-9/0
~0,3mm	→	~9/0-10/0





Mikro-Nadelhalter
Micro-Needle-Holder
Micro-Portaghi
Micro-Porta-Agujas

D = 'DIAMOND'



diamantiert
diamond coated
 diamantata
 diamantada

T = 'TITAN'



Titanium
Titanium
 Titanio
 Titanio



ME 212.15
 150mm / 6"



ME 210.15
 150mm / 6"
ME 210.18
 180mm / 7" // 0,3mm
ME 210.21
 210mm / 8 1/4" // 1mm

Maul delikat, gerade, ohne Sperre
Delicate jaws, straight, without ratchet
 Morso delicato, retto, senza cremagl.
 Boca delicada, recta, sin cremallera



ME 211.15
 150mm / 6"
ME 211.18
 180mm / 7" // 0,3mm
ME 211.21
 210mm / 8 1/4" // 1mm

Maul delikat, gebogen, ohne Sperre
Delicate jaws, curved, without ratchet
 Morso delicato, curvo, senza cremagl.
 Boca delicada, curva, sin cremallera



ME 212.15
 150mm / 6"
ME 212.18
 180mm / 7" // 0,3mm
ME 212.21
 210mm / 8 1/4" // 1mm

Maul delikat, gerade, mit Sperre
Delicate jaws, straight, with ratchet
 Morso delicato, retto, con cremagl.
 Boca delicada, recto, con cremallera



ME 213.15
 150mm / 6"
ME 213.18
 180mm / 7" // 0,3mm
ME 213.21
 210mm / 8 1/4" // 1mm

Maul delikat, gebogen, mit Sperre
Delicate jaws, curved, with ratchet
 Morso delicato, curvo, con cremagl.
 Boca delicada, curva, con cremallera



ME 210D15
 150mm / 6"
ME 214D18
 180mm / 7"
ME 210D21
 210mm / 8 1/4"



gerade, ohne Sperre
straight, without ratchet
 retto, senza cremagliera
 recta, sin cremallera



ME 211D15
 150mm / 6"
ME 215D18
 180mm / 7"
ME 211D21
 210mm / 8 1/4"



gebogen, ohne Sperre
curved, without ratchet
 curvo, senza cremagliera
 curva, sin cremallera



ME 212D15
 150mm / 6"
ME 216D18
 180mm / 7"
ME 212D21
 210mm / 8 1/4"



gerade, mit Sperre
straight, with ratchet
 retto, con cremagliera
 recta, con cremallera



ME 213D15
 150mm / 6"
ME 217D18
 180mm / 7"
ME 213D21
 210mm / 8 1/4"



gebogen, mit Sperre
curved, with ratchet
 curvo, con cremagliera
 curva, con cremallera





ME 216.18
 180mm / 7"



ME 214T15

150mm / 6"

ME 214.18

180mm / 7"

ME 214T21

210mm / 8 1/4"

Maul 11x0,8mm, gerade, ohne Sperre
 Jaws 11x0,8mm, str., without ratchet
 Morso 11x0,8mm, retto, senza cremal.
 Boca 11x0,8mm, recta, sin cremallera



ME 215T15

150mm / 6"

ME 215.18

180mm / 7"

ME 215T21

210mm / 8 1/4"

Maul 11x0,8mm, gebog., ohne Sperre
 Jaws 11x0,8mm, cvd., without ratchet
 Morso 11x0,8mm, curvo, senza crem.
 Boca 11x0,8mm, curva, sin cremallera



ME 216T15

150mm / 6"

ME 216.18

180mm / 7"

ME 216T21

210mm / 8 1/4"

Maul 11x0,8mm, gerade, mit Sperre
 Jaws 11x0,8mm, straight, with ratchet
 Morso 11x0,8mm, retto, con cremagl.
 Boca 11x0,8mm, recta, con cremall.



ME 217T15

150mm / 6"

ME 217.18

180mm / 7"

ME 217T21

210mm / 8 1/4"

Maul 11x0,8mm, gebogen, mit Sperre
 Jaws 11x0,8mm, curved, with ratchet
 Morso 11x0,8mm, curvo, con cremagl.
 Boca 11x0,8mm, curva, con cremall.





Mikro-Nadelhalter, gedrehter Schluß
Micro-Needle-Holder, turned ending
Micro-Portaghi, parte finale attorcigliato
Micro-Porta-Agujas, aguda currentilínea



ME 216.21SL
210mm / 8¼"



ME 210.15SL
150mm / 6"
ME 210.18SL
180mm / 7"
ME 210.21SL
210mm / 8¼"

Maul 11x0,4mm, gerade, ohne Sperre
Jaws 11x0,4mm, strg., without ratchet
 Morso 11x0,4mm, retto, senza crema.
 Boca 11x0,4mm, recta, sin cremallera



ME 211.15SL
150mm / 6"
ME 211.18SL
180mm / 7"
ME 211.21SL
210mm / 8¼"

Maul 11x0,4mm, geb., ohne Sperre
Jaws 11x0,4mm, cvd., without ratchet
 Morso 11x0,4mm, cv., senza cremagl.
 Boca 11x0,4mm, cv., sin cremallera



ME 212.15SL
150mm / 6"
ME 212.18SL
180mm / 7"
ME 212.21SL
210mm / 8¼"

Maul 11x0,4mm, gerade, mit Sperre
Jaws 11x0,4mm, strg., with ratchet
 Morso 11x0,4mm, retto, con cremagl.
 Boca 11x0,4mm, recta, con cremalle.



ME 213.15SL
150mm / 6"
ME 213.18SL
180mm / 7"
ME 213.21SL
210mm / 8¼"

Maul 11x0,4mm, geb., mit Sperre
Jaws 11x0,4mm jaws, cvd., with ratch.
 Morso 11x0,4mm, cv., con cremagl.
 Boca 11x0,4mm, cv., con cremallera



ME 214.15SL
150mm / 6"
ME 214.18SL
180mm / 7"
ME 214.21SL
210mm / 8¼"

Maul 11x0,8mm, gerade, ohne Sperre
Jaws 11x0,8mm, strg., without ratchet
 Morso 11x0,8mm, retto, senza crema.
 Boca 11x0,8mm, recta, sin cremallera



ME 215.15SL
150mm / 6"
ME 215.18SL
180mm / 7"
ME 215.21SL
210mm / 8¼"

Maul 11x0,8mm, geb., ohne Sperre
Jaws 11x0,8mm, cvd., without ratchet
 Morso 11x0,8mm, cv., senza cremagl.
 Boca 11x0,8mm, cv., sin cremallera



ME 216.15SL
150mm / 6"
ME 216.18SL
180mm / 7"
ME 216.21SL
210mm / 8¼"

Maul 11x0,8mm, gerade, mit Sperre
Jaws 11x0,8mm, strg., with ratchet
 Morso 11x0,8mm, retto, con cremagl.
 Boca 11x0,8mm, recta, con cremalle.



ME 217.15SL
150mm / 6"
ME 217.18SL
180mm / 7"
ME 217.21SL
210mm / 8¼"

Maul 11x0,8mm, geb., mit Sperre
Jaws 11x0,8mm jaws, cvd., with ratch.
 Morso 11x0,8mm, cv., con cremagl.
 Boca 11x0,8mm, cv., con cremallera



Mikro-Nadelhalter, gedrehter Schluß
Micro-Needle-Holder, turned ending
Micro-Portaghi, parte finale attorcigliato
Micro-Porta-Agujas, aguda currentilínea



D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada



ME 212DT18SL
 180mm / 7"



ME 210D15SL
 150mm / 6"
ME 210D18SL
 180mm / 7"
ME 210D21SL
 210mm / 8 1/4"

Maul 11x0,4mm, gerade, ohne Sperre
 Jaws 11x0,4mm, strg., without ratchet
 Morso 11x0,4mm, retto, senza crema.
 Boca 11x0,4mm, recta, sin cremallera



ME 211D15SL
 150mm / 6"
ME 211D18SL
 180mm / 7"
ME 211D21SL
 210mm / 8 1/4"

Maul 11x0,4mm, geb., ohne Sperre
 Jaws 11x0,4mm, cvd., without ratchet
 Morso 11x0,4mm, cv., senza cremagl.
 Boca 11x0,4mm, cv., sin cremallera



ME 212D15SL
 150mm / 6"
ME 212D18SL
 180mm / 7"
ME 212D21SL
 210mm / 8 1/4"

Maul 11x0,4mm, gerade, mit Sperre
 Jaws 11x0,4mm, strg., with ratchet
 Morso 11x0,4mm, retto, con cremagl.
 Boca 11x0,4mm, recta, con cremalle.



ME 213D15SL
 150mm / 6"
ME 213D18SL
 180mm / 7"
ME 213D21SL
 210mm / 8 1/4"

Maul 11x0,4mm, geb., mit Sperre
 Jaws 11x0,4mm jaws, cvd., with ratch.
 Morso 11x0,4mm, cv., con cremagl.
 Boca 11x0,4mm, cv., con cremallera



ME 214D15SL
 150mm / 6"
ME 214D18SL
 180mm / 7"
ME 214D21SL
 210mm / 8 1/4"

Maul 11x0,8mm, gerade, ohne Sperre
 Jaws 11x0,8mm, strg., without ratchet
 Morso 11x0,8mm, retto, senza crema.
 Boca 11x0,8mm, recta, sin cremallera



ME 215D15SL
 150mm / 6"
ME 215D18SL
 180mm / 7"
ME 215D21SL
 210mm / 8 1/4"

Maul 11x0,8mm, geb., ohne Sperre
 Jaws 11x0,8mm, cvd., without ratchet
 Morso 11x0,8mm, cv., senza cremagl.
 Boca 11x0,8mm, cv., sin cremallera



ME 216D15SL
 150mm / 6"
ME 216D18SL
 180mm / 7"
ME 216D21SL
 210mm / 8 1/4"

Maul 11x0,8mm, gerade, mit Sperre
 Jaws 11x0,8mm, strg., with ratchet
 Morso 11x0,8mm, retto, con cremagl.
 Boca 11x0,8mm, recta, con cremalle.



ME 217D15SL
 150mm / 6"
ME 217D18SL
 180mm / 7"
ME 217D21SL
 210mm / 8 1/4"

Maul 11x0,8mm, geb., mit Sperre
 Jaws 11x0,8mm jaws, cvd., with ratch.
 Morso 11x0,8mm, cv., con cremagl.
 Boca 11x0,9mm, cv., con cremallera





Mikro TC-Nadelhalter
Micro TC-Needle-Holder
Micro TC-Portaghi
Micro TC-Porta-Agujas



ME 224.18
180mm / 7"



ME 220.15

150mm / 6"

ME 220.18

180mm / 7"

ME 210.21

210mm / 8 1/4"

TC glatt, gerade, ohne Sperre
TC smooth, straight, without ratchet
 TC liscia, retta, senza cremagliera
TC lisa, recta, sin cremallera



ME 221.15

150mm / 6"

ME 221.18

180mm / 7"

ME 221.21

210mm / 8 1/4"

TC glatt, gebogen, ohne Sperre
TC smooth, curved, without ratchet
 TC liscia, curva, senza cremagliera
TC lisa, curva, sin cremallera



ME 222.15

150mm / 6"

ME 222.18

180mm / 7"

ME 222.21

210mm / 8 1/4"

TC glatt, gerade, mit Sperre
TC smooth, straight, with ratchet
 TC liscia, retta, con cremagliera
TC lisa, recta, con cremallera



ME 223.15

150mm / 6"

ME 223.18

180mm / 7"

ME 223.21

210mm / 8 1/4"

TC glatt, gebogen, mit Sperre
TC smooth, curved, with ratchet
 TC liscia, curva, con cremagliera
TC lisa, curva, con cremallera



ME 224.15

150mm / 6"

ME 224.18

180mm / 7"

ME 214.21

210mm / 8 1/4"

TC gerieft, gerade, ohne Sperre
TC serrated, straight, without ratchet
 TC dentellate, retta, senza cremagl.
TC dentadas, recta, sin cremallera



ME 225.15

150mm / 6"

ME 225.18

180mm / 7"

ME 225.21

210mm / 8 1/4"

TC gerieft, gebogen, ohne Sperre
TC serrated, curved, without ratchet
 TC dentellate, curva, senza cremagl.
TC dentadas, curva, sin cremallera



ME 226.15

150mm / 6"

ME 226.18

180mm / 7"

ME 226.21

210mm / 8 1/4"

TC gerieft, gerade, mit Sperre
TC serrated, straight, with ratchet
 TC dentellate, retta, con cremagliera
TC dentadas, recta, con cremallera



ME 227.15

150mm / 6"

ME 227.18

180mm / 7"

ME 227.21

210mm / 8 1/4"

TC gerieft, gebogen, mit Sperre
TC serrated, curved, with ratchet
 TC dentellate, curva, con cremagliera
TC dentadas, curva, con cremallera

D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada



ME 240.15
 150mm / 6"



REILL

ME 240.15
 150mm / 6"

gerade, ohne Sperre
 straight, without ratchet
 retta, senza cremagliera
 recta, sin cremallera



REILL

ME 241.15
 150mm / 6"

gebogen, ohne Sperre
 curved, without ratchet
 curva, senza cremagliera
 curva, sin cremallera



REILL

ME 242.15
 150mm / 6"

gerade, mit Sperre
 straight, with ratchet
 retta, con cremagliera
 recta, con cremallera



REILL

ME 243.15
 150mm / 6"

gebogen, mit Sperre
 curved, with ratchet
 curva, con cremagliera
 curva, con cremallera





AE 210.14
 150mm / 6"



CASTROVIEJO	AE 208.14 140mm / 5½"	Maul 1mm, gerade, ohne Sperre <i>Jaws 1mm, straight, without ratchet</i> Morso 1mm, retto, senza cremagl. <i>Boca 1mm, recta, sin cremallera</i>	T
	AE 208.16 160mm / 6¼"		
JACOBSON	AE 208.18 180mm / 7"		
	AE 208.21 210mm / 8¼"		



CASTROVIEJO	AE 209.14 140mm / 5½"	Maul 1mm, gebogen, ohne Sperre <i>Jaws 1mm, curved, without ratchet</i> Morso 1mm, curvo, senza cremagl. <i>Boca 1mm, curva, sin cremallera</i>	T
	AE 209.16 160mm / 6¼"		
JACOBSON	AE 209.18 180mm / 7"		
	AE 209.21 210mm / 8¼"		



CASTROVIEJO	AE 210.14 140mm / 5½"	Maul 1mm, gerade, mit Sperre <i>Jaws 1mm, straight, with ratchet</i> Morso 1mm, retto, con cremagl. <i>Boca 1mm, recta, con cremallera</i>	T
	AE 210.16 160mm / 6¼"		
JACOBSON	AE 210.18 180mm / 7"		
	AE 210.21 210mm / 8¼"		



CASTROVIEJO	AE 211.14 140mm / 5½"	Maul 1mm, gebogen, mit Sperre <i>Jaws 1mm, curved, with ratchet</i> Morso 1mm, curvo, con cremagl. <i>Boca 1mm, curva, con cremallera</i>	T
	AE 211.16 160mm / 6¼"		
JACOBSON	AE 211.18 180mm / 7"		
	AE 211.21 210mm / 8¼"		

D = 'DIAMOND'



diamantiert
 diamond coated
 diamantata
 diamantada

T = 'TITAN'



Titanium
 Titanium
 Titanio
 Titanio



AE 210D18
 180mm / 7"



CASTROVIEJO

AE 208D14

140mm / 5½"



AE 208D16

160mm / 6¼"

JACOBSON

AE 208D18

180mm / 7"

AE 208D21

210mm / 8¼"

Maul 1mm, gerade, ohne Sperre
 Jaws 1mm, straight, without ratchet
 Morso 1mm, retto, senza cremagl.
 Boca 1mm, recta, sin cremallera



CASTROVIEJO

AE 209D14

140mm / 5½"



AE 209D16

160mm / 6¼"

JACOBSON

AE 209D18

180mm / 7"

AE 209D21

210mm / 8¼"

Maul 1mm, gebogen, ohne Sperre
 Jaws 1mm, curved, without ratchet
 Morso 1mm, curvo, senza cremagl.
 Boca 1mm, curva, sin cremallera



CASTROVIEJO

AE 210D14

140mm / 5½"



AE 210D16

160mm / 6¼"

JACOBSON

AE 210D18

180mm / 7"

AE 210D21

210mm / 8¼"

Maul 1mm, gerade, mit Sperre
 Jaws 1mm, straight, with ratchet
 Morso 1mm, retto, con cremagl.
 Boca 1mm, recta, con cremallera



CASTROVIEJO

AE 211D14

140mm / 5½"



AE 211D16

160mm / 6¼"

JACOBSON

AE 211D18

180mm / 7"

AE 211D21

210mm / 8¼"

Maul 1mm, gebogen, mit Sperre
 Jaws 1mm, curved, with ratchet
 Morso 1mm, curvo, con cremagl.
 Boca 1mm, curva, con cremallera





AE 218.18
 180mm / 7"

D = 'DIAMOND'



diamantiert
diamond coated
 diamantata
 diamantada

T = 'TITAN'



Titanium
Titanium
 Titanio
 Titanio



CASTROVIEJO

AE 218.14

140mm / 5½"

AE 218.16

160mm / 6¼"

JACOBSON

AE 218.18

180mm / 7"

AE 218.21

210mm / 8¼"

TC glatt, gerade, ohne Sperre
TC smooth, straight, without ratchet
 TC liscio, retto, senza cremagliera
TC lisa, recta, sin cremallera



CASTROVIEJO

AE 219.14

140mm / 5½"

AE 219.16

160mm / 6¼"

JACOBSON

AE 219.18

180mm / 7"

AE 219.21

210mm / 8¼"

TC glatt, gebogen, ohne Sperre
TC smooth, curved, without ratchet
 TC liscio, curvo, senza cremagliera
TC lisa, curva, sin cremallera



CASTROVIEJO

AE 220.14

140mm / 5½"

AE 220.16

160mm / 6¼"

JACOBSON

AE 220.18

180mm / 7"

AE 220.21

210mm / 8¼"

TC glatt, gerade, mit Sperre
TC smooth, straight, with ratchet
 TC liscio, retto, con cremagliera
TC lisa, recta, con cremallera



CASTROVIEJO

AE 221.14

140mm / 5½"

AE 221.16

160mm / 6¼"

JACOBSON

AE 221.18

180mm / 7"

AE 221.21

210mm / 8¼"

TC glatt, gebogen, mit Sperre
TC smooth, curved, with ratchet
 TC liscio, curvo, con cremagliera
TC lisa, curva, con cremallera





AE 224.18
 180mm / 7"



CASTROVIEJO	AE 222.14	140mm / 5½"	TC gerieft, gerade, ohne Sperre TC serrated, straight, without ratchet TC zigrinato, retto, senza cremagl. TC estriada, recta, sin cremallera	
	AE 222.16	160mm / 6¼"		
JACOBSON	AE 222.18	180mm / 7"		
	AE 222.21	210mm / 8¼"		



CASTROVIEJO	AE 223.14	140mm / 5½"	TC gerieft, gebogen, ohne Sperre TC serrated, curved, without ratchet TC zigrinato, curvo, senza cremagl. TC estriada, curva, sin cremallera	
	AE 223.16	160mm / 6¼"		
JACOBSON	AE 223.18	180mm / 7"		
	AE 223.21	210mm / 8¼"		



CASTROVIEJO	AE 224.14	140mm / 5½"	TC gerieft, gerade, mit Sperre TC serrated, straight, with ratchet TC zigrinato, retto, con cremagliera TC estriada, recta, con cremallera	
	AE 224.16	160mm / 6¼"		
JACOBSON	AE 224.18	180mm / 7"		
	AE 224.21	210mm / 8¼"		



CASTROVIEJO	AE 225.14	140mm / 5½"	TC gerieft, gebogen, mit Sperre TC serrated, curved, with ratchet TC zigrinato, curvo, con cremagliera TC estriada, curva, con cremallera	
	AE 225.16	160mm / 6¼"		
JACOBSON	AE 225.18	180mm / 7"		
	AE 225.21	210mm / 8¼"		

D = 'DIAMOND'



diamantiert
diamond coated
 diamantata
 diamantada



ME 252.20
 200mm / 8"



YASARGIL

ME 250.18

180mm / 7"

ME 250.20

200mm / 8"

gerade, ohne Sperre
straight, without ratchet
 retto, senza cremagliera
 recta, sin cremallera



YASARGIL

ME 251.18

180mm / 7"

ME 251.20

200mm / 8"

gebogen, ohne Sperre
curved, without ratchet
 curvo, senza cremagliera
 curva, sin cremallera



YASARGIL

ME 252.18

180mm / 7"

ME 252.20

200mm / 8"

gerade, mit Sperre
straight, with ratchet
 retto, con cremagliera
 recta, con cremallera



YASARGIL

ME 253.18

180mm / 7"

ME 253.20

200mm / 8"

gebogen, mit Sperre
curved, with ratchet
 curvo, con cremagliera
 curva, con cremallera



YASARGIL

ME 250D18

180mm / 7"

ME 250D20

200mm / 8"

gerade, ohne Sperre
straight, without ratchet
 retto, senza cremagliera
 recta, sin cremallera



YASARGIL

ME 251D18

180mm / 7"

ME 251D20

200mm / 8"

gebogen, ohne Sperre
curved, without ratchet
 curvo, senza cremagliera
 curva, sin cremallera



YASARGIL

ME 252D18

180mm / 7"

ME 252D20

200mm / 8"

gerade, mit Sperre
straight, with ratchet
 retto, con cremagliera
 recta, con cremallera



YASARGIL

ME 253D18

180mm / 7"

ME 253D20

200mm / 8"

gebogen, mit Sperre
curved, with ratchet
 curvo, con cremagliera
 curva, con cremallera

Mikro-Nadelhalter, bajonett
Micro-Needle-Holder, bayonet
 Mikro-Portaghi, baionetta
Micro-Porta-Agujas, bayoneta



ME 270.21
 210mm / 8¹/₄"



ME 270.21

210mm / 8¹/₄"

Maul 1mm, gerade, ohne Sperre
Jaws 1mm, straight, without ratchet
 Morso 1mm, retto, senza cremagliera
 Boca 1mm, recta, sin cremallera

ME 270.23

230mm / 9"



ME 271.21

210mm / 8¹/₄"

Maul 1mm, gebogen, ohne Sperre
Jaws 1mm, curved, without ratchet
 Morso 1mm, curvo, senza cremagliera
 Boca 1mm, curva, sin cremallera

ME 271.23

230mm / 9"



ME 272.21

210mm / 8¹/₄"

Maul 1mm, gerade, mit Sperre
Jaws 1mm, straight, with ratchet
 Morso 1mm, retto, con cremagliera
 Boca 1mm, recta, con cremallera

ME 272.23

230mm / 9"



ME 273.21

210mm / 8¹/₄"

Maul 1mm, gebogen, mit Sperre
Jaws 1mm, curved, with ratchet
 Morso 1mm, curvo, con cremagliera
 Boca 1mm, curva, con cremallera

ME 273.23

230mm / 9"



ME 270D21

210mm / 8¹/₄"



Maul 1mm, gerade, ohne Sperre
Jaws 1mm, straight, without ratchet
 Morso 1mm, retto, senza cremagliera
 Boca 1mm, recta, sin cremallera

ME 270D23

230mm / 9"



ME 271D21

210mm / 8¹/₄"



Maul 1mm, gebogen, ohne Sperre
Jaws 1mm, curved, without ratchet
 Morso 1mm, curvo, senza cremagliera
 Boca 1mm, curva, sin cremallera

ME 271D23

230mm / 9"



ME 272D21

210mm / 8¹/₄"



Maul 1mm, gerade, mit Sperre
Jaws 1mm, straight, with ratchet
 Morso 1mm, retto, con cremagliera
 Boca 1mm, recta, con cremallera

ME 272D23

230mm / 9"



ME 273D21

210mm / 8¹/₄"



Maul 1mm, gebogen, mit Sperre
Jaws 1mm, curved, with ratchet
 Morso 1mm, curvo, con cremagliera
 Boca 1mm, curva, con cremallera

ME 273D23

230mm / 9"



Mikro TC-Nadelhalter, bajonett
Micro TC-Needle-Holder, bayonet
Micro TC-Portaghi, baionetta
Micro TC-Porta-Agujas, bayoneta



ME 274.21
210mm / 8 1/4"



ME 274.21
210mm / 8 1/4"
ME 274.23
230mm / 9"

TC glatt, gerade, ohne Sperre
TC smooth, straight, without ratchet
 TC liscio, retto, senza cremagliera
TC lisa, recta, sin cremallera



ME 275.21
210mm / 8 1/4"
ME 275.23
230mm / 9"

TC glatt, gebogen, ohne Sperre
TC smooth, curved, without ratchet
 TC liscio, curvo, senza cremagliera
TC lisa, curva, sin cremallera



ME 276.21
210mm / 8 1/4"
ME 276.23
230mm / 9"

TC glatt, gerade, mit Sperre
TC smooth, straight, with ratchet
 TC liscio, retto, con cremagliera
TC lisa, recta, con cremallera



ME 277.21
210mm / 8 1/4"
ME 277.23
230mm / 9"

TC glatt, gebogen, mit Sperre
TC smooth, curved, with ratchet
 TC liscio, curvo, con cremagliera
TC lisa, curva, con cremallera



ME 278.21
210mm / 8 1/4"
ME 278.23
230mm / 9"

TC gerieft, gerade, ohne Sperre
TC serrated, straight, without ratchet
 TC zigrinato, retto, senza cremagl.
TC estriada, recta, sin cremallera



ME 279.21
210mm / 8 1/4"
ME 279.23
230mm / 9"

TC gerieft, gebogen, ohne Sperre
TC serrated, curved, without ratchet
 TC zigrinato, curvo, senza cremagl.
TC estriada, curva, sin cremallera



ME 280.21
210mm / 8 1/4"
ME 280.23
230mm / 9"

TC gerieft, gerade, mit Sperre
TC serrated, straight, with ratchet
 TC zigrinato, retto, con cremagliera
TC estriada, recta, con cremallera



ME 281.21
210mm / 8 1/4"
ME 281.23
230mm / 9"

TC gerieft, gebogen, mit Sperre
TC serrated, curved, with ratchet
 TC zigrinato, curvo, con cremagliera
TC estriada, curva, con cremallera

Mikro-Nadelhalter, bajonett
Micro-Needle-Holder, bayonet
 Mikro-Portaghi, baionetta
Micro-Porta-Agujas, bayoneta



AE 318.18
 180mm / 7"



JACOBSON AE 318.16
 160mm / 6 1/2"
JACOBSON AE 318.18
 180mm / 7"
YASARGIL AE 320.23
 230mm / 9"

gerade, ohne Sperre
straight, without ratchet
 retto, senza cremagliera
recta, sin cremallera



JACOBSON AE 319.16
 160mm / 6 1/2"
JACOBSON AE 319.18
 180mm / 7"
YASARGIL AE 321.23
 230mm / 9"

gebogen, ohne Sperre
curved, without ratchet
 curva, senza cremagliera
curva, sin cremallera



JACOBSON AE 318.66
 160mm / 6 1/2"
JACOBSON AE 318.68
 180mm / 7"
YASARGIL AE 320.73
 230mm / 9"

gerade, mit Sperre
straight, with ratchet
 retto, con cremagliera
recta, con cremallera



JACOBSON AE 319.66
 160mm / 6 1/2"
JACOBSON AE 319.68
 180mm / 7"
YASARGIL AE 321.73
 230mm / 9"

gebogen, mit Sperre
curved, with ratchet
 curva, con cremagliera
curva, con cremallera



JACOBSON AE 318D16
 160mm / 6 1/2"
JACOBSON AE 318D18
 180mm / 7"
YASARGIL AE 320D23
 230mm / 9"

gerade, ohne Sperre
straight, without ratchet
 retto, senza cremagliera
recta, sin cremallera



JACOBSON AE 319D16
 160mm / 6 1/2"
JACOBSON AE 319D18
 180mm / 7"
YASARGIL AE 321D23
 230mm / 9"

gebogen, ohne Sperre
curved, without ratchet
 curva, senza cremagliera
curva, sin cremallera



JACOBSON AE 318D66
 160mm / 6 1/2"
JACOBSON AE 318D68
 180mm / 7"
YASARGIL AE 320D73
 230mm / 9"

gerade, mit Sperre
straight, with ratchet
 retto, con cremagliera
recta, con cremallera



JACOBSON AE 319D66
 160mm / 6 1/2"
JACOBSON AE 319D68
 180mm / 7"
YASARGIL AE 321D73
 230mm / 9"

gebogen, mit Sperre
curved, with ratchet
 curva, con cremagliera
curva, con cremallera





Mikro TC-Nadelhalter, bajonett
Micro TC-Needle-Holder, bayonet
 Mikro TC-Portaghi, baionetta
Micro TC-Porta-Agujas, bayoneta



ME 320.23
 230mm / 9"



YASARGIL

ME 320.23
 230mm / 9"

TC glatt, gerade, ohne Sperre
TC smooth, straight, without ratchet
 TC liscio, retto, senza cremagliera
TC lisa, recta, sin cremallera



YASARGIL

ME 321.23
 230mm / 9"

TC glatt, gebogen, ohne Sperre
TC smooth, curved, without ratchet
 TC liscio, curvo, senza cremagliera
TC lisa, curva, sin cremallera



YASARGIL

ME 322.23
 230mm / 9"

TC glatt, gerade, mit Sperre
TC smooth, straight, with ratchet
 TC liscio, retto, con cremagliera
TC lisa, recta, con cremallera



YASARGIL

ME 323.23
 230mm / 9"

TC glatt, gebogen, mit Sperre
TC smooth, curved, with ratchet
 TC liscio, curvo, con cremagliera
TC lisa, curva, con cremallera



YASARGIL

ME 324.23
 230mm / 9"

TC gerieft, gerade, ohne Sperre
TC serrated, straight, without ratchet
 TC zigrinato, retto, senza cremagl.
TC estriada, recta, sin cremallera



YASARGIL

ME 325.23
 230mm / 9"

TC gerieft, gebogen, ohne Sperre
TC serrated, curved, without ratchet
 TC zigrinato, curvo, senza cremagl.
TC estriada, curva, sin cremallera



YASARGIL

ME 326.23
 230mm / 9"

TC gerieft, gerade, mit Sperre
TC serrated, straight, with ratchet
 TC zigrinato, retto, con cremagliera
TC estriada, recta, con cremallera



YASARGIL

ME 327.23
 230mm / 9"

TC gerieft, gebogen, mit Sperre
TC serrated, curved, with ratchet
 TC zigrinato, curvo, con cremagliera
TC estriada, curva, con cremallera

Mikro-Nadelhalter, bajonett
 Micro-Needle-Holder, bayonet
 Micro-Portaghi, baionetta
 Micro-Porta-Agujas, bayoneta



ME 260.22
 220mm / 8³/₄"



YASARGIL	ME 260.20 200mm / 8"	spitz 0,4mm, gerade <i>pointed 0,4mm, straight</i> acuta 0,4mm, retto <i>aguda 0,4mm, recta</i>	
	ME 260.22 220mm / 8 ³ / ₄ "		
	ME 260.24 240mm / 9 ¹ / ₂ "		



YASARGIL	ME 261.20 200mm / 8"	spitz 0,4mm, gebogen <i>pointed 0,4mm, curved</i> acuta 0,4mm, curvo <i>aguda 0,4mm, curva</i>	
	ME 261.22 220mm / 8 ³ / ₄ "		
	ME 261.24 240mm / 9 ¹ / ₂ "		



YASARGIL	ME 262.20 200mm / 8"	stumpf 0,9mm, gerade <i>blunt 0,9mm, straight</i> smussa 0,9mm, retto <i>roma 0,9mm, recta</i>	
	ME 262.22 220mm / 8 ³ / ₄ "		
	ME 262.24 240mm / 9 ¹ / ₂ "		



YASARGIL	ME 263.20 200mm / 8"	stumpf 0,9mm, gebogen <i>blunt 0,9mm, curved</i> smussa 0,9mm, curvo <i>roma 0,9mm, curva</i>	
	ME 263.22 220mm / 8 ³ / ₄ "		
	ME 263.24 240mm / 9 ¹ / ₂ "		



YASARGIL	ME 260D20 200mm / 8"	spitz 0,4mm, gerade <i>pointed 0,4mm, straight</i> acuta 0,4mm, retto <i>aguda 0,4mm, recta</i>		
	ME 260D22 220mm / 8 ³ / ₄ "			
	ME 260D24 240mm / 9 ¹ / ₂ "			



YASARGIL	ME 261D20 200mm / 8"	spitz 0,4mm, gebogen <i>pointed 0,4mm, curved</i> acuta 0,4mm, curvo <i>aguda 0,4mm, curva</i>		
	ME 261D22 220mm / 8 ³ / ₄ "			
	ME 261D24 240mm / 9 ¹ / ₂ "			



YASARGIL	ME 262D20 200mm / 8"	stumpf 0,9mm, gerade <i>blunt 0,9mm, straight</i> smussa 0,9mm, retto <i>roma 0,9mm, recta</i>		
	ME 262D22 220mm / 8 ³ / ₄ "			
	ME 262D24 240mm / 9 ¹ / ₂ "			



YASARGIL	ME 263D20 200mm / 8"	stumpf 0,9mm, gebogen <i>blunt 0,9mm, curved</i> smussa 0,9mm, curvo <i>roma 0,9mm, curva</i>		
	ME 263D22 220mm / 8 ³ / ₄ "			
	ME 263D24 240mm / 9 ¹ / ₂ "			



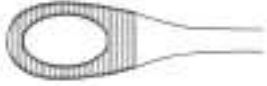
Tumorfaßzange
Tumor Grasping Forceps
Pinze per tumori
Pinzas para tumores



TOENNIS

NF 341.01
200mm / 8"

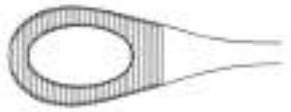
klein
small
piccola
pequeña



TOENNIS

NF 341.02
200mm / 8"

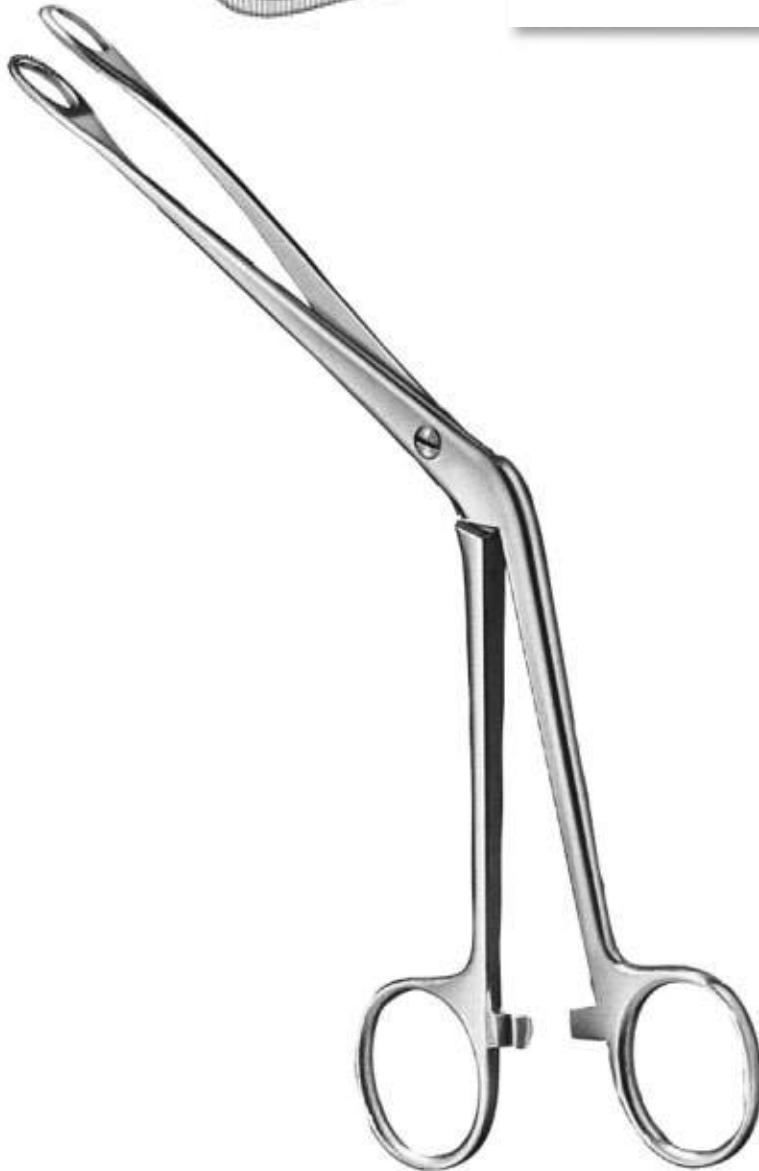
mittel
medium
media
mediana



TOENNIS

NF 341.02
200mm / 8"

groß
large
grande
grande



TOENNIS
NF 341.01 - NF 341.03
200mm / 8"

Mikro-Scheren, Rohrschaft
Micro-Scissor, Tube Shaft
Micro-Forbici, asta tubo
Micro-Tjiera, vástago tubular



MA 050.18
180mm / 7"



MA 050.18
180mm / 7"

gerade
straight
retta
recta



MA 060.18
180mm / 7"

gerade, fein
straight, delicate
retta, fine
recta, fina



MA 051.18
180mm / 7"

aufgebogen
curved up
curva verso l'alto
curvada hacia l'arriba



MA 061.18
180mm / 7"

aufgebogen, fein
curved up, delicate
curva verso l'alto, fine
curvada hacia l'arriba, fina



MA 052.18
180mm / 7"

rechts gebogen
curved right
curva a destra
curvada hacia la derecha



MA 062.18
180mm / 7"

rechts gebogen, fein
curved right, delicate
curva a destra, fine
curvada hacia la derecha, fina



MA 053.18
180mm / 7"

links gebogen
curved left
curva a sinistra
curvada hacia la izquierda



MA 063.18
180mm / 7"

links gebogen, fein
curved left, delicate
curva a sinistra, fine
curvada hacia la izquierda, fina



MA 054.18
180mm / 7"

gerade, horizontal
straight, horizontal
retta, orizzontale
recta, horizontal



MA 064.18
180mm / 7"

gerade, horizontal, fein
straight, horizontal, delicate
retta, orizzontale, fine
recta, horizontal, fina



MA 055.18
180mm / 7"

aufgebogen, horizontal
curved up, horizontal
curva verso l'alto, orizzontale
curvada hacia l'arriba, horizontal



MA 065.18
180mm / 7"

aufgebogen, horizontal, fein
curved up, horizontal, delicate
curva verso l'alto, orizzontale, fine
curvada hacia l'arriba, horizontal, fina

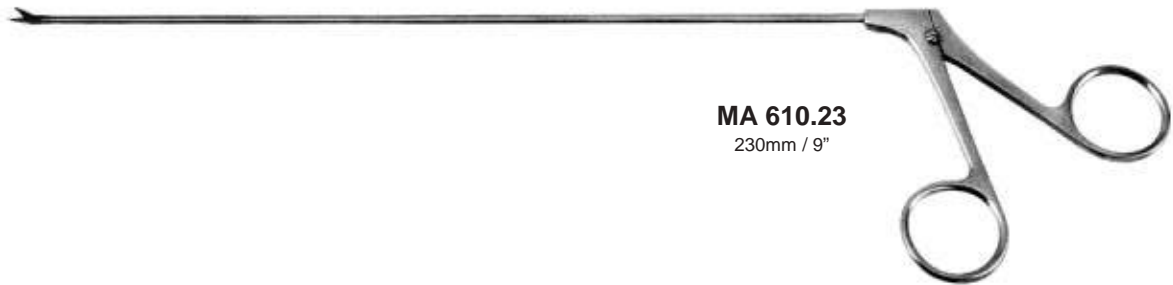


MA 056.18
180mm / 7"

gerade, 8mm
straight, 8mm
retta, 8mm
recta, 8mm



Mikro-Scheren, konisch Ø 2-1mm
Micro-Scissor, conical Ø 2-1mm
 Micro-Forbici, conica Ø 2-1mm
 Micro-Tjiera, cónica Ø 2-1mm



MA 610.23
 230mm / 9"



OPPEL

MA 610.16
 160mm / 6¼"

gerade, für Akustikusneurinom
straight, for Acoustic Neurinoma
 retta, per Acoustic Neurinoma
recta, per Acoustic Neurinoma



KLEIN-SASSER

MA 610.23
 230mm / 9"

gerade
straight
 retta
recta



KLEIN-SASSER

MA 611.23
 230mm / 9"

aufgebogen
curved up
 curva verso l'alto
curvada hacia l'arriba



KLEIN-SASSER

MA 612.23
 230mm / 9"

rechts gebogen
curved right
 curva a destra
curvada hacia la derecha



KLEIN-SASSER

MA 613.23
 230mm / 9"

links gebogen
curved left
 curva a sinistra
curvada hacia la izquierda



KLEIN-SASSER

MA 614.23
 230mm / 9"

gerade, horizontal
straight, horizontal
 retta, orizzontale
recta, horizontal



KLEIN-SASSER

MA 615.23
 230mm / 9"

aufgebogen, horizontal
curved up, horizontal
 curva verso l'alto, orizzontale
curvada hacia l'arriba, horizontal

Mikro-Scheren, konisch Ø 3-2mm
 Micro-Scissor, conical Ø 3-2mm
 Micro-Forbici, conica Ø 3-2mm
 Micro-Tjiera, cónica Ø 3-2mm



MA 650.23
 230mm / 9"



KLEIN-SASSER

MA 650.23
 230mm / 9"

gerade
straight
 retta
recta



KLEIN-SASSER

MA 651.23
 230mm / 9"

aufgebogen
curved up
 curva verso l'alto
curvada hacia l'arriba



KLEIN-SASSER

MA 652.23
 230mm / 9"

rechts gebogen
curved right
 curva a destra
curvada hacia la derecha



KLEIN-SASSER

MA 653.23
 230mm / 9"

links gebogen
curved left
 curva a sinistra
curvada hacia la izquierda



KLEIN-SASSER

MA 654.23
 230mm / 9"

gerade, horizontal
straight, horizontal
 retta, orizzontale
recta, horizontal



KLEIN-SASSER

MA 655.23
 230mm / 9"

aufgebogen, horizontal
curved up, horizontal
 curva verso l'alto, orizzontale
curvada hacia l'arriba, horizontal



KLEIN-SASSER

MA 656.23
 230mm / 9"

15° aufgebogen
15° curved up
 15° curva verso l'alto
15° curvada hacia l'arriba



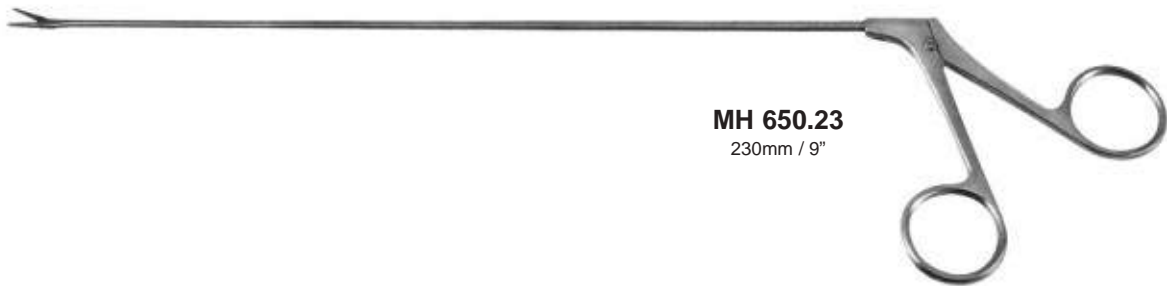
Mikro-Faßzangen, konisch Ø 2-1mm
 Micro-Grasping Forceps, conical Ø 2-1mm
 Micro-Pinza, conica Ø 2-1mm
 Micro-Pinza, cónica Ø 2-1mm



MH 610.23
 230mm / 9"

	OPPEL	MH 610.16 160mm / 6 1/4"	gerieft, gerade, für Akustikusneurinom <i>serrated, str., for Acoustic Neurinoma</i> zigrinato, retta, per Acoustic Neurin. <i>estriada, recta, per Acoustic Neurin.</i>
	KLEIN-SASSER	MH 610.23 230mm / 9"	gerieft, gerade <i>serrated, straight</i> zigrinato, retta <i>estriada, recta</i>
	KLEIN-SASSER	MH 611.23 230mm / 9"	gerieft, aufgebogen <i>serrated, curved up</i> zigrinato, curva verso l'alto <i>estriada, curvada hacia l'arriba</i>
	KLEIN-SASSER	MH 612.23 230mm / 9"	gerieft, rechts gebogen <i>serrated, curved right</i> zigrinato, curva a destra <i>estriada, curvada hacia la derecha</i>
	KLEIN-SASSER	MH 613.23 230mm / 9"	gerieft, links gebogen <i>serrated, curved left</i> zigrinato, curva a sinistra <i>estriada, curvada hacia la izquierda</i>
	KLEIN-SASSER	MH 614.23 230mm / 9"	Alligator, gerade <i>Alligator, straight</i> Alligator, retta <i>Alligator, recta</i>
	KLEIN-SASSER	MH 615.23 230mm / 9"	Alligator, aufgebogen <i>Alligator, curved up</i> Alligator, curva verso l'alto <i>Alligator, curvada hacia l'arriba</i>
	KLEIN-SASSER	MH 616.23 230mm / 9"	Alligator, rechts gebogen <i>Alligator, curved right</i> Alligator, curva a destra <i>Alligator, curvada hacia la derecha</i>
	KLEIN-SASSER	MH 617.23 230mm / 9"	Alligator, links gebogen <i>Alligator, curved left</i> Alligator curva a sinistra <i>Alligator, curvada hacia la izquierda</i>
	KLEIN-SASSER	MH 618.23 230mm / 9"	Herzform, aufgebogen, 45° rechts <i>Heart shape, angled up, 45° right</i> Forma di cuore, cv.vs l'alto, 45° dx <i>Forma corazón, cv.hc.l'arriba, 45° der.</i>
	KLEIN-SASSER	MH 619.23 230mm / 9"	Herzform, aufgebogen, 45° links <i>Heart shape, angled up, 45° left</i> Forma di cuore, cv.vs l'alto, 45° sx <i>Forma corazón, cv.hc.l'arriba, 45° izq.</i>

Mikro-Faßzangen, konisch Ø 3-2mm
 Micro-Grasping Forceps, conical Ø 3-2mm
 Micro-Pinza, conica Ø 3-2mm
 Micro-Pinza, cónica Ø 3-2mm

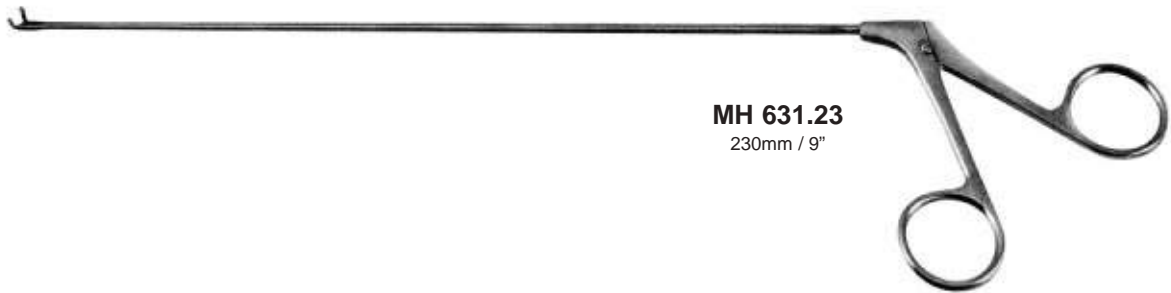


MH 650.23
230mm / 9"

	KLEIN-SASSER	MH 650.23 230mm / 9"	Alligator, gerade Alligator, straight Alligator, retta Alligator, recta
	KLEIN-SASSER	MH 651.23 230mm / 9"	Alligator, aufgebogen Alligator, curved up Alligator, curva verso l'alto Alligator, curvada hacia l'arriba
	KLEIN-SASSER	MH 652.23 230mm / 9"	Alligator, rechts gebogen Alligator, curved right Alligator, curva a destra Alligator, curvada hacia la derecha
	KLEIN-SASSER	MH 653.23 230mm / 9"	Alligator, links gebogen Alligator, curved left Alligator curva a sinistra Alligator, curvada hacia la izquierda
	KLEIN-SASSER	MH 654.23 230mm / 9"	gerade, horizontal straight, horizontal retta, orizzontale recta, horizontal
	KLEIN-SASSER	MH 655.23 230mm / 9"	aufgebogen, horizontal curved up, horizontal curva verso l'alto, orizzontale curvada hacia l'arriba, horizontal
	KLEIN-SASSER	MH 656.23 230mm / 9"	Herzform, gerade Heart shape, straight Forma di cuore, retta Forma corazón, recta
	KLEIN-SASSER	MH 657.23 230mm / 9"	Herzform, aufgebogen Heart shape, angled up Forma di cuore, cv.vs l'alto Forma corazón, curvada hacia l'arriba
	KLEIN-SASSER	MH 658.23 230mm / 9"	Herzform, aufgebogen, 45° rechts Heart shape, angled up, 45° right Forma di cuore, cv.vs l'alto, 45° dx Forma corazón, cv.hc.l'arriba, 45° der.
	KLEIN-SASSER	MH 659.23 230mm / 9"	Herzform, aufgebogen, 45° links Heart shape, angled up, 45° left Forma di cuore, cv.vs l'alto, 45° sx Forma corazón, cv.hc.l'arriba, 45° izq.
	KLEIN-SASSER	MH 660.23 230mm / 9"	Herzform, rechts gebogen Heart shape, curved right Forma di cuore, curva a destra Forma corazón, curv.hacia la derecha
	KLEIN-SASSER	MH 661.23 230mm / 9"	Herzform, links gebogen Heart shape, curved left Forma di cuore, curva a sinistra Forma corazón, curv.hacia la izquierda



Mikro-Löffelzangen, konisch Ø 2-1mm
Micro cup-shaped Forceps, conical Ø 2-1mm
Micro-Pinza forma di cucchiaio, conica Ø 2-1mm
Micro-Pinza forma cuchara, cónica Ø 2-1mm



MH 631.23
230mm / 9"

	OPPEL	MH 630.16 160mm / 6 1/4"	gerade, für Akustikusn., 1mm oval <i>str., for Acoustic Neurin., 1mm oval</i> retta, per Acoustic Neur., 1mm ovale <i>recta, per Acoustic Neur., 1mm oval</i>
	KLEIN-SASSER	MH 630.23 230mm / 9"	gerade, 1mm rund <i>straight, 1mm round</i> retta, 1mm rotonda <i>recta, 1mm redonda</i>
	KLEIN-SASSER	MH 631.23 230mm / 9"	aufgebogen, 1mm rund <i>curved up, 1mm round</i> curva verso l'alto, 1mm rotonda <i>curvada hacia arriba, 1mm redonda</i>
	KLEIN-SASSER	MH 632.23 230mm / 9"	rechts gebogen, 1mm rund <i>curved right, 1mm round</i> curva a destra, 1mm rotonda <i>curvada hacia derecha, 1mm redonda</i>
	KLEIN-SASSER	MH 633.23 230mm / 9"	links gebogen, 1mm rund <i>curved left, 1mm round</i> curva a sinistra, 1mm rotonda <i>curva. hacia izquierda, 1mm redonda</i>
	KLEIN-SASSER	MH 634.23 230mm / 9"	aufgebogen, 45° rechts, 1mm rund <i>angled up, 45° right, 1mm round</i> cv.vs l'alto, 45° destra, 1mm rotonda <i>cv.hc arriba, 45° der., 1mm redonda</i>
	KLEIN-SASSER	MH 635.23 230mm / 9"	aufgebogen, 45° links, 1mm rund <i>angled up, 45° left, 1mm round</i> cv.vs l'alto, 45° sinistra, 1mm rotonda <i>cv.hc arriba, 45° izqu., 1mm redonda</i>
	KLEIN-SASSER	MH 636.23 230mm / 9"	gerade, 1mm oval <i>straight, 1mm oval</i> retta, 1mm ovale <i>recta, 1mm oval</i>
	KLEIN-SASSER	MH 637.23 230mm / 9"	aufgebogen, 1mm oval <i>curved up, 1mm oval</i> curva verso l'alto, 1mm ovale <i>curvada hacia arriba, 1mm oval</i>
	KLEIN-SASSER	MH 638.23 230mm / 9"	rechts gebogen, 1mm oval <i>curved right, 1mm oval</i> curva a destra, 1mm ovale <i>curvada hacia derecha, 1mm oval</i>
	KLEIN-SASSER	MH 639.23 230mm / 9"	links gebogen, 1mm oval <i>curved left, 1mm oval</i> curva a sinistra, 1mm ovale <i>curvada hacia izquierda, 1mm oval</i>

Mikro-Löffelzangen, konisch Ø 3-2mm
Micro cup-shaped Forceps, conical Ø 3-2mm
 Micro-Pinza forma di cucchiaio, conica Ø 3-2mm
 Micro-Pinza forma cuchara, cónica Ø 3-2mm



MH 691.23
 230mm / 9"

	KLEIN-SASSER	MH 690.23 230mm / 9"	gerade, 2,5mm rund <i>straight, 2,5mm round</i> retta, 2,5mm rotonda <i>recta, 2,5mm redonda</i>
	KLEIN-SASSER	MH 691.23 230mm / 9"	aufgebogen, 2,5mm rund <i>curved up, 2,5mm round</i> curva verso l'alto, 2,5mm rotonda <i>curvada hacia arriba, 2,5mm redonda</i>
	KLEIN-SASSER	MH 692.23 230mm / 9"	rechts gebogen, 2,5mm rund <i>curved right, 2,5mm round</i> curva a destra, 2,5mm rotonda <i>curva.hc. la derecha, 2,5mm redonda</i>
	KLEIN-SASSER	MH 693.23 230mm / 9"	links gebogen, 2,5mm rund <i>curved left, 2,5mm round</i> curva a sinistra, 2,5mm rotonda <i>curva.hc. la izquierda, 2,5mm redonda</i>
	KLEIN-SASSER	MH 694.23 230mm / 9"	aufgebogen, 45° rechts, 2,5mm rund <i>angled up, 45° right, 2,5mm round</i> cv.vs l'alto, 45° destra, 2,5mm rotonda <i>cv.hc. arriba, 45° der., 2,5mm redonda</i>
	KLEIN-SASSER	MH 695.23 230mm / 9"	aufgebogen, 45° links, 2,5mm rund <i>angled up, 45° left, 2,5mm round</i> cv.vs l'alto, 45° sinistra, 2,5mm roton. <i>cv.hc. arriba, 45° izqu., 2,5mm redon.</i>
	KLEIN-SASSER	MH 696.23 230mm / 9"	aufgebogen, horizontal, 2,5mm rund <i>curved up, horizontal, 2,5mm round</i> cv.vs l'alto, orizzontale, 2,5mm roton. <i>cv.hc arriba, horizontal, 2,5mm redon.</i>

20



Mikro-Löffelzangen, konisch Ø 3-2mm
Micro cup-shaped Forceps, conical Ø 3-2mm
 Micro-Pinza forma di cucchiaio, conica Ø 3-2mm
 Micro-Pinza forma cuchara, cónica Ø 3-2mm



MH 699.23
230mm / 9"

	KLEIN-SASSER	MH 698.23 230mm / 9"	gerade, 2,5x4mm oval <i>straight, 2,5x4mm oval</i> retta, 2,5x4mm ovale <i>recta, 2,5x4mm oval</i>
	KLEIN-SASSER	MH 699.23 230mm / 9"	aufgebogen 45°, 2,5x4mm oval <i>curved up 45°, 2,5x4mm oval</i> cv. verso l'alto 45°, 2,5x4mm ovale <i>cv. hacia arriba 45°, 2,5x4mm oval</i>
	KLEIN-SASSER	MH 700.23 230mm / 9"	rechts gebogen, 2,5x4mm oval <i>curved right, 2,5x4mm oval</i> curva a destra, 2,5x4mm ovale <i>curva. hc. la derecha, 2,5x4mm oval</i>
	KLEIN-SASSER	MH 701.23 230mm / 9"	links gebogen, 2,5x4mm oval <i>curved left, 2,5x4mm oval</i> curva a sinistra, 2,5x4mm ovale <i>curva. hc. la izquierda, 2,5x4mm oval</i>
	KLEIN-SASSER	MH 702.23 230mm / 9"	spitz, aufgebogen 45°, 2,5x4mm oval <i>pointed, angled up 45°, 2,5x4mm oval</i> acuta, cv.vs l'alto 45°, 2,5x4mm ovale <i>aguda, cv.hc. arriba 45°, 2,5x4mm ov.</i>
	KLEIN-SASSER	MH 703.23 230mm / 9"	spitz, aufgeb. rechts, 2,5x4mm oval <i>pointed, angled up right, 2,5x4mm ov.</i> acuta, cv.vs l'alto dx, 2,5x4mm ovale <i>aguda, cv.hc. arriba der., 2,5x4mm ov.</i>
	KLEIN-SASSER	MH 704.23 230mm / 9"	spitz, aufgebogen links, 2,5x4mm ov. <i>pointed, angled up left, 2,5x4mm ov.</i> acuta, cv.vs l'alto sx, 2,5x4mm ovale <i>aguda, cv.hc. arriba izq., 2,5x4mm ov.</i>
	KLEIN-SASSER	MH 705.23 230mm / 9"	gefenestert, aufgeb., 2,5x5mm oval <i>fenestrated, curved up, 2,5x5mm oval</i> finestrato, cv.vs l'alto, 2,5x5mm ovale <i>fenestr., cv.hc. arriba, 2,5x5mm oval</i>



wechselbarer Schaft
shaft exchangeable
 inserto intercambiabile
pieza intercambiable

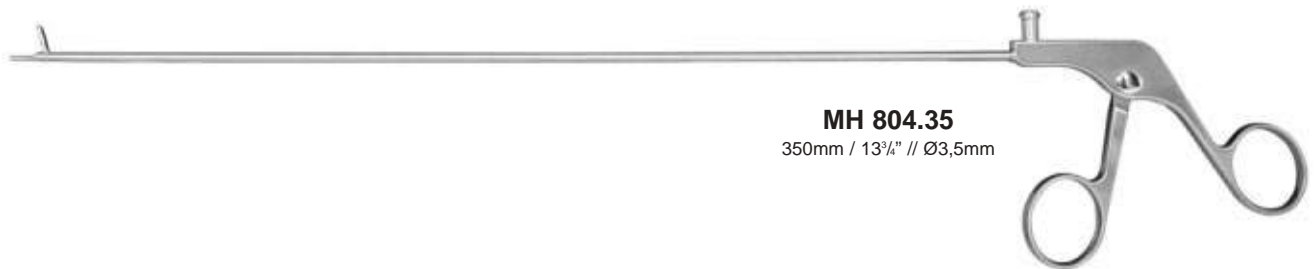


360° drehbar
 360° rotatable
 360° girabile
 360° giratoria



BILLY I		Griff / Handle / Manico / Mango
seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>		NL 970.00
schwarz / <i>black coated</i> / superficie nera / <i>recubrim. negro</i>		NL 970B00

BILLY I			
Laminektomiestanze, 360° drehbar, wechselbarer Schaft <i>Laminectomy Punch, 360° rotatable, shaft exchangeable</i> Pinza Laminectomia, 360° girevole, inserto intercambiabile <i>Pinza Osteótomo, 360° giratoria, pieza intercambiable</i>			
Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	36cm seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>	36cm schwarz / <i>black coated</i> / superficie nera / <i>recubrim. negro</i>	
90° 	3mm	NL 962.03T	NL 962B03T
	3,5mm	NL 962.35T	NL 962B35T
	4mm	NL 962.04T	NL 962B04T
130° 	3mm	NL 964.03T	NL 964B03T
	3,5mm	NL 964.35T	NL 964B35T
	4mm	NL 964.04T	NL 964B04T



MH 804.35
 350mm / 13³/₄" // Ø3,5mm



MH 802.35
 350mm / 13³/₄" // Ø3,5mm
 Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
 Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm

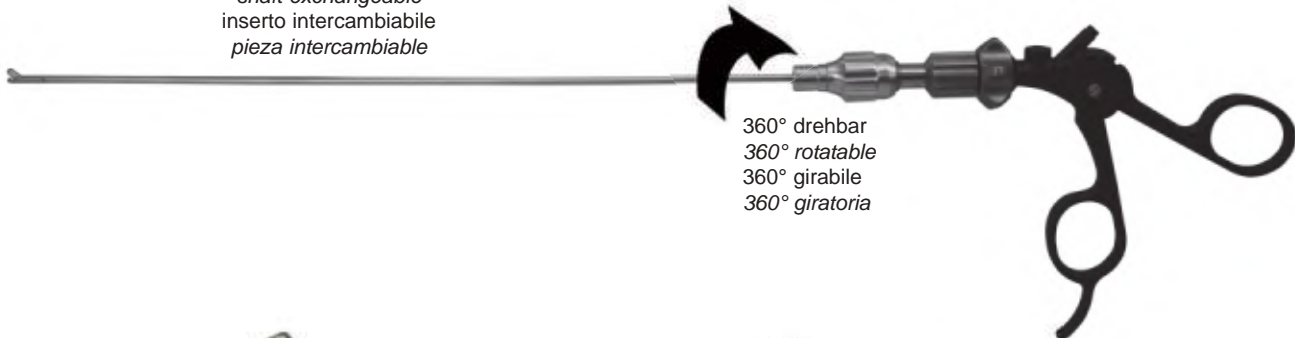


MH 804.35
 350mm / 13³/₄" // Ø3,5mm
 Fasszange
Grasping Forceps
 Pinza
Pinza



MA 800.35
 350mm / 13³/₄" // Ø3,5mm
 Hakenschere
Scissor
 Forbici
Tijera

wechselbarer Schaft
shaft exchangeable
 inserto intercambiabile
pieza intercambiable



360° drehbar
 360° rotatable
 360° girabile
 360° giratoria



MH 810.00



MH 811.00



MH 822.33
 330mm / 13" // Ø3,5mm

Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
 Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm



MH 824.33
 330mm / 13" // Ø3,5mm

Fasszange
Grasping Forceps
 Pinza
Pinza



MA 820.33
 330mm / 13" // Ø3,5mm

Hakenschere
Scissors
 Forbici
Tijera



MH 823.33
 330mm / 13" // Ø3,5mm

Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
 Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm



MH 825.33
 330mm / 13" // Ø3,5mm

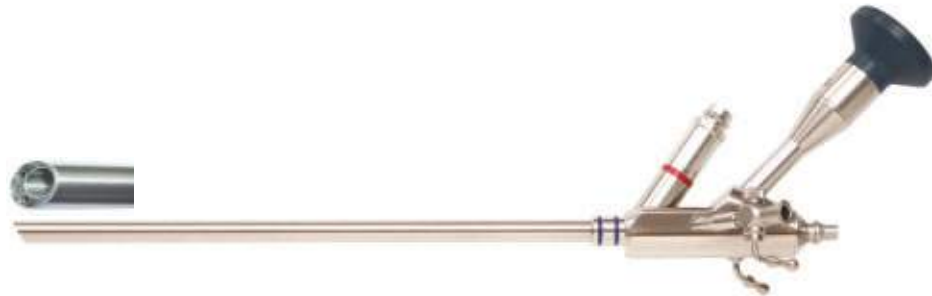
Fasszange
Grasping Forceps
 Pinza
Pinza



MA 821.33
 330mm / 13" // Ø3,5mm

Hakenschere
Scissors
 Forbici
Tijera

abwinkelbar
can be angled
 angolabile
angulable



	Ø außen Ø outside Ø esterno Ø exterior	Ø innen Ø inside Ø dentro Ø interior	Arbeitslänge Working Length Lunghezza Longitud	Blickrichtung Direction of view Angolo di visualizzazione Ángulo de visualización
NV 063 15 177	6,3mm	3,7mm	177mm	15°
NV 063 20 177	6,3mm	3,7mm	177mm	20°
NV 063 30 177	6,3mm	3,7mm	177mm	30°
NV 070 15 177	7,0mm	4,1mm	177mm	15°
NV 070 20 177	7,0mm	4,1mm	177mm	20°
NV 070 30 177	7,0mm	4,1mm	177mm	30°



mit Absperrhahn with stop-cock con rubinetto cierre con llave	Ø außen Ø outside Ø esterno Ø exterior	Ø innen Ø inside Ø dentro Ø interior	Arbeitslänge Working Length Lunghezza Longitud	Blickrichtung Direction of view Angolo di visualizzazione Ángulo de visualización
NV 070 15 177SC	7,0mm	4,1mm	177mm	15°
NV 070 20 177SC	7,0mm	4,1mm	177mm	20°
NV 070 30 177SC	7,0mm	4,1mm	177mm	30°





NEUROCHIRURGISCHE INSTRUMENTE
NEUROSURGICAL INSTRUMENTS



STRUMENTI PER NEUROCHIRURGIA
INSTRUMENTAL PARA NEUROCIRUGÍA



Dura Messer
Dura Knifes
Bisturi per la dura-madre
Bisturí para dura-madre



TOENNIS
NA 806.13
130mm / 5 1/8"



TOENNIS
NA 806.19
190mm / 7 1/2"



HALLE
NA 810.20
200mm / 8"



JACOBSON
NA 910.19
190mm / 7 1/2"

Gefäßmesser
Vessel Knife
Coltello per vasi
Cuchillo para vasos

Skalpelli Griff für mikrochirurgische Klengen
Scalpel handle for microsurgery blades
Manico per bisturi micro
Mango de bisturí micro



NA 912.13
130mm / 5 1/4"



NA 912.15
150mm / 6"



**CASPAR
NA 912.18**
180mm / 7"



NA 912.20
200mm / 8"



Skalpelli Griff für mikrochirurgische Klingen
Scalpel handle for microsurgery blades
Manico per bisturi micro
Mango de bisturíes micro

Mikrochirurgische Klingen
Microsurgery blades
Lame da bisturi micro
Hojas de bisturí micro



NA 913.21
210mm / 8 1/4"

NA 913.25
250mm / 10"

LANDOLT
NA 913.21 - NA 913.25



NA 912.61
No.61



NA 912.62
No.62



NA 912.63
No.63



NA 912.64
No.64



NA 912.65
No.65



NA 912.66
No.66



NA 912.67
No.67



NA 912.68
No.68



NA 912.69
No.69

Für Skalpellklingen Fig. 10-17
For scalpel blades Fig. 10-17
Per lama da bisturi Fig. 10-17
Para hojas de bisturí Fig. 10-17



vertikal
vertical
verticale
vertical

NA 914.01

210mm / 8¹/₄"

NA 914.11

240mm / 9¹/₂"

HARDY
NA 914.01 - NA 914.11



horizontal
horizontal
orizzontale
horizontal

NA 914.02

210mm / 8¹/₄"

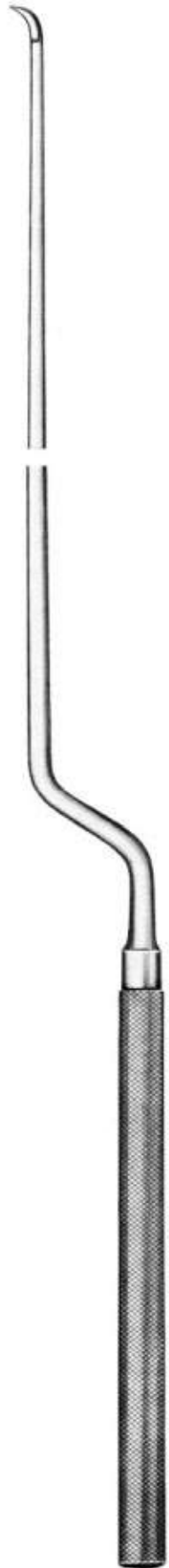
NA 914.12

240mm / 9¹/₂"

HARDY
NA 914.02 - NA 914.12



Sichelmesser
Sickle Knifes
Coltello falcato come sinea
Cuchillo en forma de hoz



NA 842.01
240mm / 9½"



NA 842.01
240mm / 9½"

aufwärts gebogen
curved up
curva verso l'alto
curvado hacia arriba



NA 842.02
240mm / 9½"

abwärts gebogen
curved down
curva verso il basso
curvado hacia abajo



NA 842.03
240mm / 9½"

rechts gebogen
curved right
curva a destra
curvado hacia la derecha










NA 842.04
240mm / 9½"

links gebogen
curved left
curva a sinistra
curvado hacia l'izquierda



NA 915.02
 185mm / 7 1/4"

	KOOS	NA 915.01 185mm / 7 1/4"	aufwärts gebogen <i>curved up</i> curva verso l'alto <i>curvado hacia arriba</i>
	KOOS	NA 915.02 185mm / 7 1/4"	abwärts gebogen <i>curved down</i> curva verso il basso <i>curvado hacia abajo</i>
	KOOS	NA 915.03 185mm / 7 1/4"	aufwärts gebogen <i>curved up</i> curva verso l'alto <i>curvado hacia arriba</i>
	KOOS	NA 915.04 185mm / 7 1/4"	abwärts gebogen <i>curved down</i> curva verso il basso <i>curvado hacia abajo</i>
	KOOS	NA 915.05 185mm / 7 1/4"	aufwärts gebogen <i>curved up</i> curva verso l'alto <i>curvado hacia arriba</i>
	KOOS	NA 915.06 185mm / 7 1/4"	abwärts gebogen <i>curved down</i> curva verso il basso <i>curvado hacia abajo</i>
	YASARGIL	NA 915.21 185mm / 7 1/4"	aufwärts gebogen <i>curved up</i> curva verso l'alto <i>curvado hacia arriba</i>
	YASARGIL	NA 915.22 185mm / 7 1/4"	abwärts gebogen <i>curved down</i> curva verso il basso <i>curvado hacia abajo</i>



Tumormesser
Tumor Knifes
Coltello per tumori
Cuchillo para tumores



NA 916.07
200mm / 8"



SAMII

NA 916.02
200mm / 8"
NA 916.12
230mm / 9"

1,0mm



SAMII

NA 916.03
200mm / 8"
NA 916.13
230mm / 9"

1,5mm



SAMII

NA 916.04
200mm / 8"
NA 916.14
230mm / 9"

2,0mm



SAMII

NA 916.05
200mm / 8"
NA 916.15
230mm / 9"

2,5mm



SAMII

NA 916.06
200mm / 8"
NA 916.16
230mm / 9"

3,0mm



SAMII

NA 916.07
200mm / 8"
NA 916.17
230mm / 9"

3,5mm



SAMII

NA 916.08
200mm / 8"
NA 916.18
230mm / 9"

4,0mm



SAMII

NA 916.10
200mm / 8"
NA 916.20
230mm / 9"

5,0mm



NA 917.16
 230mm / 9"



SAMII	NA 917.03 200mm / 8"	Ø1,5mm
	NA 917.13 230mm / 9"	
SAMII	NA 917.06 200mm / 8"	Ø3,0mm
	NA 917.16 230mm / 9"	
SAMII	NA 917.09 200mm / 8"	Ø4,5mm
	NA 917.19 230mm / 9"	
SAMII	NA 917.22 200mm / 8"	Ø6,0mm
	NA 917.32 230mm / 9"	
SAMII	NA 917.64 230mm / 9"	1,8mm, Lanzettenmesser 1,8mm, Lancet knife 1,8mm, Coltello a lancetta 1,8mm, Cuchillo lanceolar
	NA 917.65 230mm / 9"	
SAMII	NA 917.64 230mm / 9"	2,5mm, Lanzettenmesser 2,5mm, Lancet knife 2,5mm, Coltello a lancetta 2,5mm, Cuchillo lanceolar
	NA 917.65 230mm / 9"	
OPPEL	NA 917.84 230mm / 9"	2,0mm, Lanzettenmesser, biegsam 2,0mm, Lancet knife, malleable 2,0mm, Coltello a lancetta, malleab. 2,0mm, Cuchillo lanceolar, maleable



Dura Dissektoren
Dura Dissectors
Dissettori per la dura-madre
Disecadores para duramadre



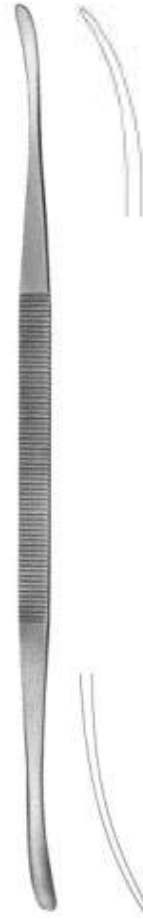
leichtes Modell
light pattern
 modello leggero
 modelo ligero

ND 679.18
 180mm / 7"

SWEDISH
ND 679.18
 180mm / 7"

kräftiges Modell
heavy pattern
 modello grosso
 modelo fuerte

ND 679.20
 200mm / 8"

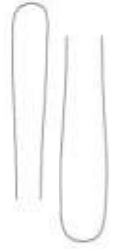


TOENNIS
ND 680.01
 240mm / 9½"



3+5mm

ND 680.01
 240mm / 9½"



4,5+6mm

ND 680.02
 240mm / 9½"



mit Öhr, 2+3mm
with eye, 2+3mm
 con cruna, 2+3mm
 con ojete, 2+3mm

ND 681.18
 180mm / 7"

OLIVERCONA
ND 681.18
 180mm / 7"



mit Öhr, 2+3mm
with eye, 2+3mm
 con cruna, 2+3mm
 con ojete, 2+3mm

ND 681.24
 240mm / 9½"



2+3mm

ND 682.18
 180mm / 7"

OLIVERCONA
ND 682.18
 180mm / 7"



2+3mm

ND 682.24
 240mm / 9½"



mit Öhr, 4+5mm
with eye, 4+5mm
 con cruna, 4+5mm
 con ojete, 4+5mm

ND 683.18
 180mm / 7"



mit Öhr, 4+5mm
with eye, 4+5mm
 con cruna, 4+5mm
 con ojete, 4+5mm

ND 683.24
 240mm / 9½"



4+5mm

ND 684.20
 200mm / 8"



4+5mm

ND 684.24
 240mm / 9½"

Dura Dissektoren
Dura Dissectors
Dissettori per la dura-madre
Disecadores para duramadre



3mm, scharf
 3mm, sharp
 3mm, acuto
 3mm, agudo

SACHS
ND 685.21
 210mm / 8 1/4"



1,5+2mm

MILLIGAN
ND 686.21
 210mm / 8 1/4"



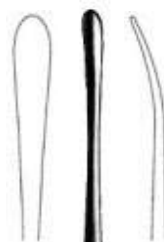
3,5mm, scharf
 3,5mm, sharp
 3,5mm, acuto
 3,5mm, agudo

DAVIS
ND 687.21
 210mm / 8 1/4"



6+6mm

ND 688.22
 220mm / 8 3/4"



5+5mm

DAVIS
ND 691.24
 240mm / 9 1/2"



Dura Dissektoren
Dura Dissectors
Dissettori per la dura-madre
Disecadores para duramadre



**PENFIELD
ND 690.01**

170mm / 6 $\frac{1}{2}$ "

Fig.1



**PENFIELD
ND 690.02**

190mm / 7 $\frac{1}{2}$ "

Fig.2



**PENFIELD
ND 690.03**

190mm / 7 $\frac{1}{2}$ "

Fig.3



**PENFIELD
ND 690.04**

200mm / 8"

Fig.4



**PENFIELD
ND 690.05**

290mm / 11 $\frac{1}{2}$ "

Fig.5

Dura Seperator
Dura Separator
Dissetto per dura
Separador dural



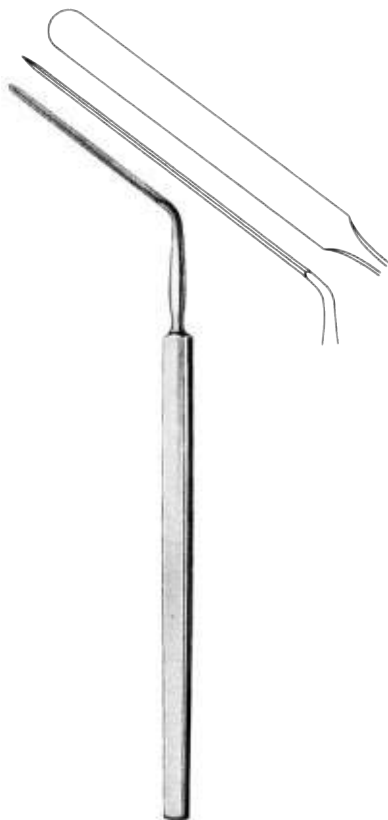
FRAZIER
ND 693.01
160mm / 6 1/4"



HOEN
ND 693.02
150mm / 6"



HOEN
ND 693.03
150mm / 6"



HORSLEY
ND 698.20
200mm / 8"



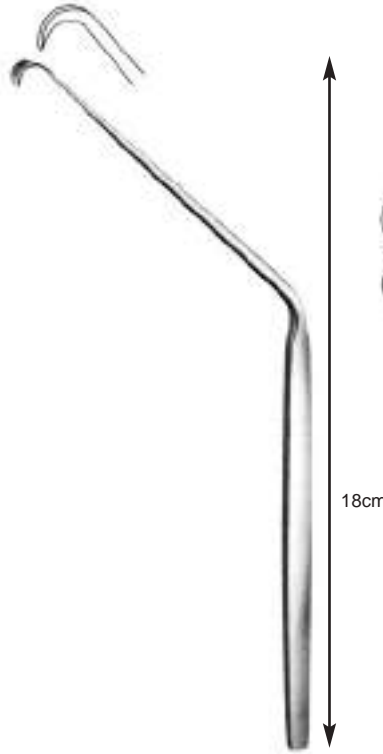
Nervwurzelnhaken
Nerv Root Retractors
Uncini per le radici di nervi
Separadores para la raiz de nervio



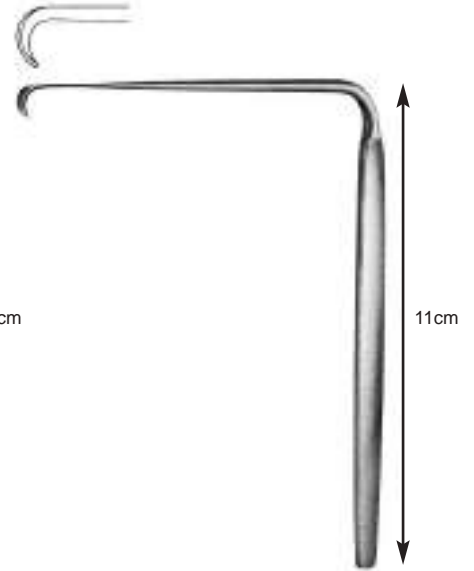
LOVE
ND 692.21
 210mm / 8¼"



LOVE
ND 694.19
 190mm / 7½"



LOVE
ND 695.19
 190mm / 7½"



LOVE
ND 697.19
 190mm / 7½"



D'ERRICO
ND 699.23
 230mm / 9"



CASPAR
ND 701.04 - ND 701.10
 240mm / 9½"

4mm



ND 701.04
 240mm / 9½"

6mm



ND 701.06
 240mm / 9½"

8mm



ND 701.08
 240mm / 9½"

10mm



ND 701.10
 240mm / 9½"

Nervwurzelnhaken
Nerv Root Retractors
Uncini per le radici di nervi
Separadores para la raiz de nervio



3mm



ND 723.03
180mm / 7"

4mm



ND 723.04
180mm / 7"

5mm



ND 723.05
180mm / 7"

7mm



ND 723.07
180mm / 7"

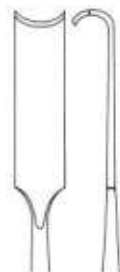
HESS
ND 723.03 - ND 723.07
 180mm / 7"

8mm



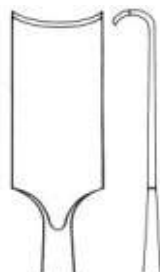
SCOVILLE
ND 724.23
 230mm / 9"

7mm



ND 725.07
240mm / 9½"

13mm



ND 725.13
240mm / 9½"



HOLSHER
ND 725.07 - ND 725.13
 240mm / 9½"

7mm



SCOVILLE
ND 727.19
 190mm / 7½"



Explorations- und Koagulationshäkchen, isoliert
Exploration and Coagulation Hook, insulated
Uncini per esplorazione e coagulazione, isolato
Ganchos para exploración y coagulación, aislados



**CASPAR
ND 750.01**
240mm / 9½"



**CASPAR
ND 750.02**
240mm / 9½"

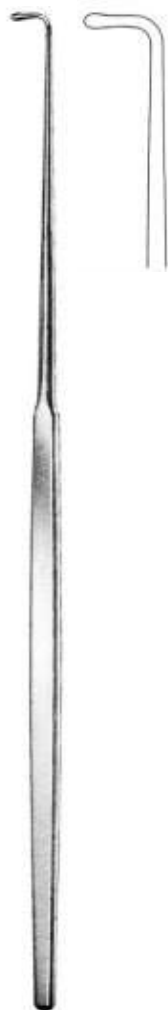


**CASPAR
ND 750.03**
240mm / 9½"

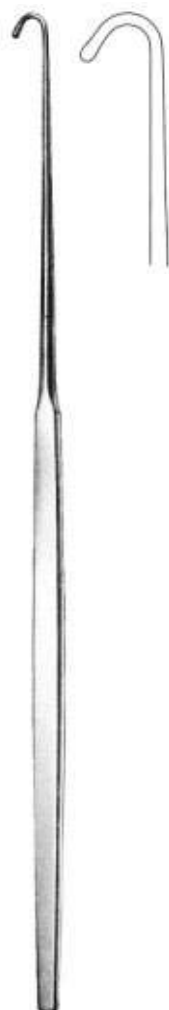


**CASPAR
ND 750.04**
240mm / 9½"

Nervhaken
Nerv Hooks
Uncini per nervi
Ganchos para nervios



GRONINGEN
ND 738.26
260mm / 10¹/₄"



GRONINGEN
ND 740.26
260mm / 10¹/₄"



CUSHING
ND 742.19 - ND 744.28

ND 742.19
190mm / 7¹/₂"

ND 742.28
280mm / 11"



ND 744.19
190mm / 7¹/₂"

ND 744.28
280mm / 11"



Ganglionhaken
Ganglion Hook
Uncino per ganglio
Gancho para ganglio

CUSHING
ND 745.23
230mm / 9"



Nervhaken
Nerv Hooks
Uncini per nervi
Ganchos para nervios



Venenhaken
Vein Hook
 Divaricatore per veni
Ganchito para venas

BROM
ND 746.17
 170mm / 6³/₄"



ND 748.17
 170mm / 6³/₄"

ND 748.21
 210mm / 8¹/₄"

SMITHWICK
ND 748.17 - ND 748.21



scharf
sharp
 acuto
agudo

EIF
ND 756.24
 240mm / 9¹/₂"



DANDY
ND 758.20
 200mm / 8"



3mm
 Maul ballförmig
Tip ball pointed
 Punta a pallina
Punta en forma de bola

ND 761.01
 200mm / 8"

2mm
 Maul stumpf
Tip blunt
 Punta smussa
Punta roma

ND 761.02
 200mm / 8"

3mm
 Maul stumpf
Tip blunt
 Punta smussa
Punta roma

ND 761.03
 200mm / 8"

Griff aus Titan
Handle in titanium
 Manico in titanio
Mango de titanio

MALIS
ND 761.01 - ND 761.03
 200mm / 8"



ND 771.20
 200mm / 8"

ND 773.20
 200mm / 8"

ND 771.20 - ND 773.20
 200mm / 8"



spitz
sharp
acuto
agudo

ADSON
 ND 821.20
 200mm / 8"



stumpf
blunt
smussa
roma

ADSON
 ND 823.20
 200mm / 8"



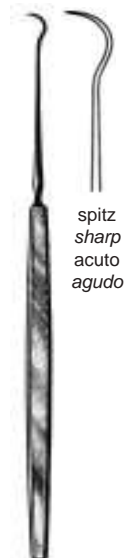
stumpf
blunt
smussa
roma

GRAHAM
 ND 825.16
 160mm / 6 1/4"



spitz
sharp
acuto
agudo

SACHS
 ND 827.18
 180mm / 7"



spitz
sharp
acuto
agudo

TOENNIS
 ND 829.15
 150mm / 6"



spitz
sharp
acuto
agudo

CLOWARD
 ND 831.16
 160mm / 6 1/4"



scharf
sharp
acuto
agudo

CUSHING
 ND 833.14
 140mm / 5 1/2"



ND 835.13
 130mm / 5"
 spitz
sharp
acuto
agudo

FRAZIER
 ND 835.13 - ND 836.13
 130mm / 5"

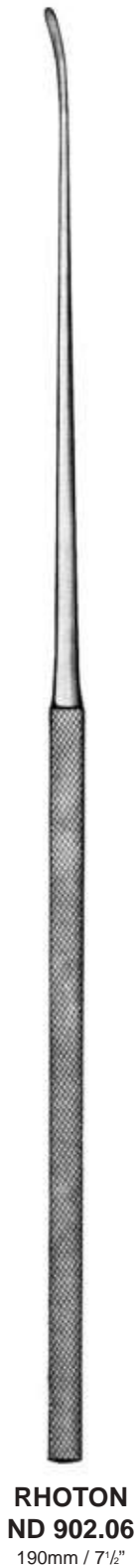


ND 836.13
 130mm / 5"
 stumpf
blunt
smussa
roma



stumpf
blunt
smussa
roma

CRILE
 ND 841.20
 200mm / 8"



RHOTON

ND 902.01
 190mm / 7½"

1mm, rund
 1mm, round
 1mm, rotondo
 1mm, redondo



RHOTON

ND 902.02
 190mm / 7½"

2mm, rund
 2mm, round
 2mm, rotondo
 2mm, redondo



RHOTON

ND 902.03
 190mm / 7½"

3mm, rund
 3mm, round
 3mm, rotondo
 3mm, redondo



RHOTON

ND 902.04
 190mm / 7½"

1mm, spatelförmig
 1mm, spatula shaped
 1mm, forma spatula
 1mm, forma espátula



RHOTON

ND 902.05
 190mm / 7½"

1,5mm, spatelförmig
 1,5mm, spatula shaped
 1,5mm, forma spatula
 1,5mm, forma espátula



RHOTON

ND 902.06
 190mm / 7½"

2mm, spatelförmig
 2mm, spatula shaped
 2mm, forma spatula
 2mm, forma espátula



RHOTON

ND 902.16
 190mm / 7½"

5mm, spatelförmig
 5mm, spatula shaped
 5mm, forma spatula
 5mm, forma espátula



RHOTON

ND 902.07
 190mm / 7½"

1,2mm, Elevator, gewinkelt
 1,2mm, Elevator, angled
 1,2mm, Elevatore, angolato
 1,2mm, Elevador, acodado



RHOTON
NK 902.15
 190mm / 7½"



RHOTON

ND 902.08
 190mm / 7½"

2,8mm, Elevator, gebogen
 2,8mm, Elevator, curved
 2,8mm, Elevatore, curvo
 2,8mm, Elevador, curvo



RHOTON

ND 902.09
 190mm / 7½"

Nadel, halbscharf
 Needle, semi-sharp
 Ago, semi-acuto
 Aguja, semi-aguda



RHOTON

ND 902.10
 190mm / 7½"

Häkchen, 90°/2mm, stumpf
 Hook 90°/2mm, blunt
 Gancho 90°/2mm, smusso
 Gancho 90°/2mm, romo



RHOTON

ND 902.11
 190mm / 7½"

Häkchen, 90°/2mm, halbscharf
 Hook 90°/2mm, semi-sharp
 Gancho 90°/2mm, semi-acuto
 Gancho 90°/2mm, semi-agudo



RHOTON

ND 902.12
 190mm / 7½"

Häkchen, 45°/3mm, halbscharf
 Hook 45°/3mm, semi-sharp
 Gancho 45°/3mm, semi-acuto
 Gancho 45°/3mm, semi-agudo



RHOTON

ND 902.13
 190mm / 7½"

Kugelsonde, 90° gewinkelt
 Ball-pointed Probe, 90° angled
 Sonda a sfera, angolata 90°
 Sonda en forma de bola, 90° angul.



RHOTON

NK 902.14
 190mm / 7½"

Löffel, 1x2mm, scharf
 Scoop, 1x2mm, sharp
 Curetta, 1x2mm, acuto
 Cureta, 1x2mm, aguda



RHOTON

NK 902.15
 190mm / 7½"

Löffel, 45°/1x2mm, scharf
 Scoop, 45°/1x2mm, sharp
 Curetta, 45°/1x2mm, acuto
 Cureta, 45°/1x2mm, aguda



Mikro-Häkchen
Micro-Hook
Micro-Gancio
Micro-Ganchito



ND 917.02
 230mm / 9"



OPPEL

ND 901.02
 230mm / 9" // Ø2mm

90°, biegsam, für Akustikusneurinom
 90°, malleable, f. Acoust. Neurinoma
 90°, malleabile, p. Acoust. Neurinoma
 90°, maleable, p. Acoust. Neurinoma



OPPEL

ND 901.03
 230mm / 9" // Ø2mm

45°, biegsam, für Akustikusneurinom
 45°, malleable, f. Acoust. Neurinoma
 45°, malleabile, p. Acoust. Neurinoma
 45°, maleable, p. Acoust. Neurinoma



OPPEL

ND 901.04
 230mm / 9" // Ø3mm

90°, biegsam, für Akustikusneurinom
 90°, malleable, f. Acoust. Neurinoma
 90°, malleabile, p. Acoust. Neurinoma
 90°, maleable, p. Acoust. Neurinoma



OPPEL

ND 901.05
 230mm / 9" // Ø3mm

45°, biegsam, für Akustikusneurinom
 45°, malleable, f. Acoust. Neurinoma
 45°, malleabile, p. Acoust. Neurinoma
 45°, maleable, p. Acoust. Neurinoma



ND 917.01
 230mm / 9"

scharf
 sharp
 acuto
 agudo



ND 917.02
 230mm / 9"

stumpf
 blunt
 smusso
 romo



ND 930.19
 190mm / 7 1/2"

scharf, gebogen
 sharp, curved
 acuto, curvo
 agudo, curvo



FISCH

ND 932.19
 190mm / 7 1/2"

scharf, 90°
 sharp, 90°
 acuto, 90°
 agudo, 90°



ND 914.03
 190mm / 7½"



ND 914.03
 190mm / 7½"

Mikro-Häkchen, 3mm, 90°gewinkelt
Micro Hook, 3mm, 90° angled
 Micro Gancio, 3mm, 90°acodado
Micro Ganchito, 3mm, 90°angulado



ND 914.05
 190mm / 7½"

Mikro-Häkchen, 5mm, 90°gewinkelt
Micro Hook, 5mm, 90° angled
 Micro Gancio, 5mm, 90°acodado
Micro Ganchito, 5mm, 90°angulado



ND 914.08
 190mm / 7½"

Mikro-Häkchen, 8mm, 90°gewinkelt
Micro Hook, 8mm, 90° angled
 Micro Gancio, 8mm, 90°acodado
Micro Ganchito, 8mm, 90°angulado



ND 915.02
 190mm / 7½"

Mikro-Dissektor, 2mm, gebogen
Micro Dissector, 2mm, curved
 Micro Dissettore, 2mm, curvo
Micro Disecador, 2mm, curvo



ND 915.05
 190mm / 7½"

Nervhäkchen, 5mm, gebogen
Nerve hook, 5mm, curved
 Gancio per nervi, 5mm, curvo
Gancho para nervios, 5mm, curvo



ND 915.08
 190mm / 7½"

Nervhäkchen, 8mm, gebogen
Nerve hook, 8mm, curved
 Gancio per nervi, 8mm, curvo
Gancho para nervios, 8mm, curvo



ND 916.03
 190mm / 7½"

Mikro-Umführungsnadel, 3mm
Micro Ligature Needle, 3mm
 Micro Ago per legatura, 3mm
Micro-Aguja para ligaduras, 3mm



ND 916.05
 190mm / 7½"

Mikro-Umführungsnadel, 5mm
Micro Ligature Needle, 5mm
 Micro Ago per legatura, 5mm
Micro-Aguja para ligaduras, 5mm



Fadenführer, Nerv- und Gefäßhäkchen
Ligature Guides, Nerve and Vessel Hooks
Guida legatura, Uncini per nervi e vasi
Guía-ligadura, Gancho para nervios y vasos



YASARGIL
ND 916.23
 190mm / 7½"



YASARGIL

ND 916.21
 190mm / 7½"

Fadenführer geknöpft
Ligature Guides, probe pointed
 Guida legatura, bottonuta
 Guía-ligadura, abotonada



YASARGIL

ND 916.22
 190mm / 7½"

Fadenführer geknöpft
Ligature Guides, probe pointed
 Guida legatura, bottonuta
 Guía-ligadura, abotonada



YASARGIL

ND 916.23
 190mm / 7½"

Fadenführer geknöpft
Ligature Guides, probe pointed
 Guida legatura, bottonuta
 Guía-ligadura, abotonada



YASARGIL

ND 916.24
 190mm / 7½"

Fadenführer geknöpft
Ligature Guides, probe pointed
 Guida legatura, bottonuta
 Guía-ligadura, abotonada



**KRAYEN-
 BÜHL**

ND 940.01
 190mm / 7½"

Nerv- und Gefäßhäkchen
Nerve and Vessel hook
 Gancio per nervi e vasi
 Gancho para nervios y vasos



**KRAYEN-
 BÜHL**

ND 940.02
 190mm / 7½"

Nerv- und Gefäßhäkchen
Nerve and Vessel hook
 Gancio per nervi e vasi
 Gancho para nervios y vasos



**KRAYEN-
 BÜHL**

ND 940.03
 190mm / 7½"

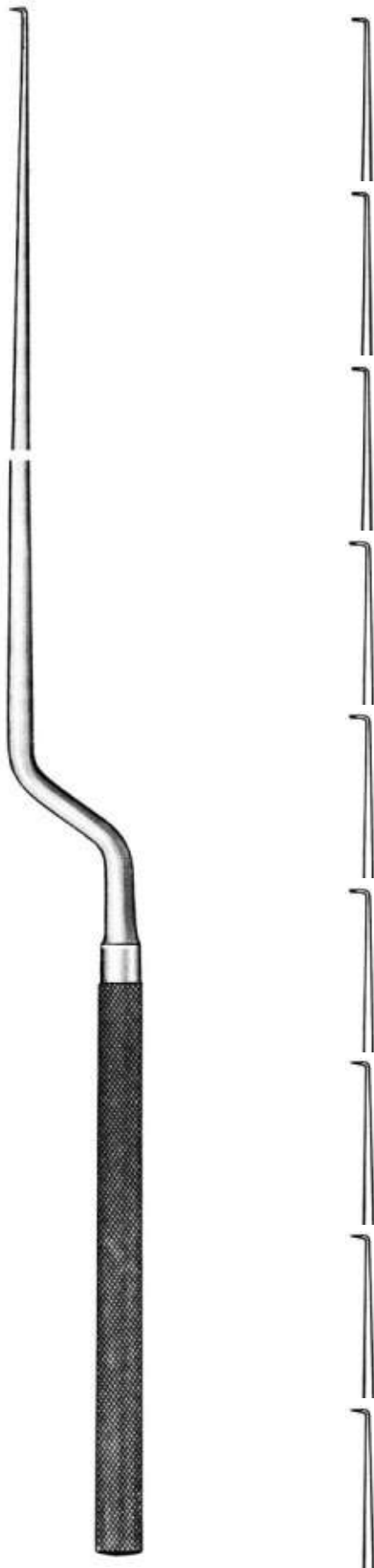
Nerv- und Gefäßhäkchen
Nerve and Vessel hook
 Gancio per nervi e vasi
 Gancho para nervios y vasos



**KRAYEN-
 BÜHL**

ND 940.04
 190mm / 7½"

Nerv- und Gefäßhäkchen
Nerve and Vessel hook
 Gancio per nervi e vasi
 Gancho para nervios y vasos



ND 930.01
 240mm / 9½"

ND 930.01
 240mm / 9½"

stumpf, aufgebogen, 90°, 2mm
blunt, angled up, 90°, 2mm
 smusso, curvo verso il alto, 90°, 2mm
romo, curvado hacia arriba, 90°, 2mm

ND 930.02
 240mm / 9½"

stumpf, rechts gebogen, 90°, 2mm
blunt, curved right, 90°, 2mm
 smusso, curvo verso destra, 90°, 2mm
romo, curvado hacia derecha, 90°, 2mm

ND 930.03
 240mm / 9½"

stumpf, links gebogen, 90°, 2mm
blunt, curved left, 90°, 2mm
 smusso, curvo verso sinistra, 90°, 2mm
romo, curva. hacia izquierda, 90°, 2mm

ND 930.04
 240mm / 9½"

stumpf, aufgebogen, 90°, 2,5mm
blunt, angled up, 90°, 2,5mm
 smusso, curvo verso il alto, 90°, 2,5mm
romo, curva. hacia arriba, 90°, 2,5mm

ND 930.05
 240mm / 9½"

stumpf, rechts gebogen, 90°, 2,5mm
blunt, curved right, 90°, 2,5mm
 smusso, curvo vs. destra, 90°, 2,5mm
romo, curva. hacia derecha, 90°, 2,5mm

ND 930.06
 240mm / 9½"

stumpf, links gebogen, 90°, 2,5mm
blunt, curved left, 90°, 2,5mm
 smusso, curvo vs. sinistra, 90°, 2,5mm
romo, curva. hc. izquierda, 90°, 2,5mm

ND 930.07
 240mm / 9½"

halbscharf, aufgebogen, 90°, 2mm
semi-sharp, angled up, 90°, 2mm
 semi-affilato, curvo vs. il alto, 90°, 2mm
semi-agudo, curva.hc. arriba, 90°, 2mm

ND 930.08
 240mm / 9½"

halbscharf, rechts gebogen, 90°, 2mm
semi-sharp, curved right, 90°, 2mm
 semi-affilato, cv. vs. destra, 90°, 2mm
semi-agudo, cv.hc.la derecha, 90°, 2mm

ND 930.09
 240mm / 9½"

halbscharf, links gebogen, 90°, 2mm
semi-sharp, curved left, 90°, 2mm
 semi-affilato, cv. vs. sinistra, 90°, 2mm
semi-agudo, cv.hc.l'izquierda, 90°, 2mm



ND 930.10
 240mm / 9½"



ND 930.10
 240mm / 9½"

stumpf, aufgebogen, 90°, 3mm
blunt, angled up, 90°, 3mm
 smusso, curvo verso il alto, 90°, 3mm
 romo, curvado hacia arriba, 90°, 3mm

ND 930.11
 240mm / 9½"

stumpf, rechts gebogen, 90°, 3mm
blunt, curved right, 90°, 3mm
 smusso, curvo verso destra, 90°, 3mm
 romo, curvado hacia derecha, 90°, 3mm

ND 930.12
 240mm / 9½"

stumpf, links gebogen, 90°, 3mm
blunt, curved left, 90°, 3mm
 smusso, curvo verso sinistra, 90°, 3mm
 romo, curva. hacia izquierda, 90°, 3mm

ND 930.13
 240mm / 9½"

stumpf, aufgebogen, 3mm, mit Knopf
blunt, angled up, 3mm, ball pointed
 smusso, curvo verso il alto, 3mm, boto.
 romo, curva. hacia arriba, 3mm, aboton.

ND 930.14
 240mm / 9½"

stumpf, rechts geb., 3mm, mit Knopf
blunt, curved right, 3mm, ball pointed
 smusso, curvo vs. destra, 3mm, boto.
 romo, curva.hc.la derecha, 3mm, aboto.

ND 930.15
 240mm / 9½"

stumpf, links gebogen, 3mm, mit Knopf
blunt, curved left, 3mm, ball pointed
 smusso, curvo vs. sinistra, 3mm, boto.
 romo, curva.hc. l'izquierda, 3mm, aboto.

ND 930.16
 240mm / 9½"

stumpf, aufgebogen, 30°, 3mm
blunt, angled up, 30°, 3mm
 smusso, curvo verso il alto, 30°, 3mm
 romo, curvado hacia arriba, 30°, 3mm

ND 930.17
 240mm / 9½"

stumpf, rechts gebogen, 30°, 3mm
blunt, curved right, 30°, 3mm
 smusso, curvo verso destra, 30°, 3mm
 romo, curva.hacia la derecha, 30°, 3mm

ND 930.18
 240mm / 9½"

stumpf, links gebogen, 30°, 3mm
blunt, curved left, 30°, 3mm
 smusso, curvo verso sinistra, 30°, 3mm
 romo, curva.hacia l'izquierda, 30°, 3mm

Nervhäkchen
Nerve hook
Gancio per nervi
Ganchos para nervios



ND 932.03
240mm / 9½"



ND 932.01
240mm / 9½" 5mm



ND 932.02
240mm / 9½" 8mm



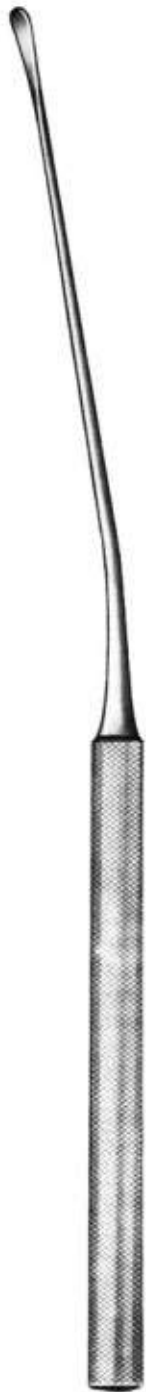
ND 932.03
240mm / 9½" 90°, 3mm



ND 932.04
240mm / 9½" 90°, 4mm



ND 932.05
240mm / 9½" 90°, 5mm



JANNETTA
ND 912.02
 190mm / 7½"



JANNETTA

ND 912.01
 190mm / 7½"

Dissektor, klein
Dissector, small
 Dissettore, piccolo
Disecador, pequeño



JANNETTA

ND 912.02
 190mm / 7½"

Dissektor, groß
Dissector, large
 Dissettore, grande
Disecador, grande



JANNETTA

ND 912.03
 190mm / 7½"

Raspatorium
Raspatory
 Periostotomi
Periostótomo



JANNETTA

ND 912.04
 190mm / 7½"

Häkchen, 90°, klein
Hook, 90°, small
 Gancio, 90°, piccolo
Gancho, 90°, pequeño



JANNETTA

ND 912.05
 190mm / 7½"

Häkchen, 90°, mittel
Hook, 90°, medium
 Gancio, 90°, medio
Gancho, 90°, medio



JANNETTA

ND 912.06
 190mm / 7½"

Häkchen, 90°, groß
Hook, 90°, large
 Gancio, 90°, grande
Gancho, 90°, grande



JANNETTA

ND 912.07
 190mm / 7½"

Häkchen, 45° gewinkelt, klein
Hook, 45° angular, small
 Gancio, 45° angolato, piccolo
Gancho, 45° angulado, pequeño



JANNETTA

ND 912.08
 190mm / 7½"

Häkchen, 45° gewinkelt, mittel
Hook, 45° angular, medium
 Gancio, 45° angolato, medio
Gancho, 45° angulado, medio



JANNETTA

ND 912.09
 190mm / 7½"

Elevator, gewinkelt
Elevator, angular
 Elevatore, angolato
Elevador, angulado



JANNETTA

NA 912.10
 190mm / 7½"

Hohlmesser, klein
Knife hollow, small
 Bisturi concavo, piccolo
Bisturí acodado, pequeño



JANNETTA

NA 912.11
 190mm / 7½"

Hohlmesser, groß
Knife hollow, large
 Bisturi concavo, grande
Bisturí acodado, grande



JANNETTA

NQ 912.12
 190mm / 7½"

Kugelsonde
Ball-pointed Probe
 Sonda bottonuta
Sonda abotanada



JANNETTA

ND 912.13
 190mm / 7½"

Ligaturnadel, links
Ligature carrier, left
 Aguja per ligadura, sinistra
Aguja para ligaduras, izquierda



JANNETTA

ND 912.14
 190mm / 7½"

Ligaturnadel, rechts
Ligature carrier, right
 Aguja per ligadura, destra
Aguja para ligaduras, derecha



JANNETTA

ND 912.15
 190mm / 7½"

Gabel, 30°, klein
Fork, 30°, small
 Forchetta, 30°, piccola
Horquilla, 30°, pequeña



JANNETTA

ND 912.16
 190mm / 7½"

Gabel, 30°, groß
Fork, 30°, large
 Forchetta, 30°, grande
Horquilla, 30°, grande



Mikro-Dissektoren
Micro-Dissectors
Micro-Dissettori
Micro-Disecadores



CASPAR
ND 920.07
 230mm / 9"



OPPEL

ND 901.01
 230mm / 9"

1mm, biegsam, für Akustikusneurinom
 1mm, malleable, f. Acoust. Neurinoma
 1mm, malleabile, p. Acoust. Neurinoma
 1mm, maleables, p. Acoust. Neurinoma



CASPAR

ND 920.01
 200mm / 8"

1mm



CASPAR

ND 920.02
 230mm / 9"

1,4mm



CASPAR

ND 920.03
 230mm / 9"

2mm



CASPAR

ND 920.04
 230mm / 9"

1,8mm



CASPAR

ND 920.05
 190mm / 7 1/2"

3mm



CASPAR

ND 920.06
 210mm / 8 1/4"

3mm

CASPAR

ND 920.07
 230mm / 9"

4,5mm



CASPAR
ND 922.07
 230mm / 9"



CASPAR	ND 922.01 230mm / 9"	1mm, aufwärts gebogen <i>1mm, curved up</i> 1mm, curvo verso il alto <i>1mm, curvo hacia arriba</i>
CASPAR	ND 922.02 230mm / 9"	1mm, abwärts gebogen <i>1mm, curved down</i> 1mm, curvo verso il basso <i>1mm, curvo hacia abajo</i>
CASPAR	ND 922.03 230mm / 9"	1,8mm, aufwärts gebogen <i>1,8mm, curved up</i> 1,8mm, curvo verso il alto <i>1,8mm, curvo hacia arriba</i>
CASPAR	ND 922.04 230mm / 9"	1,8mm, abwärts gebogen <i>1,8mm, curved down</i> 1,8mm, curvo verso il basso <i>1,8mm, curvo hacia abajo</i>
CASPAR	ND 922.05 230mm / 9"	2mm, aufwärts gebogen <i>2mm, curved up</i> 2mm, curvo verso il alto <i>2mm, curvo hacia arriba</i>
CASPAR	ND 922.06 230mm / 9"	2mm, abwärts gebogen <i>2mm, curved down</i> 2mm, curvo verso il basso <i>2mm, curvo hacia abajo</i>
CASPAR	ND 922.07 230mm / 9"	2mm, rechts gebogen <i>2mm, curved right</i> 2mm, curvo destra <i>2mm, curvo a la derecha</i>
CASPAR	ND 922.08 230mm / 9"	2mm, links gebogen <i>2mm, curved left</i> 2mm, curvo sinistra <i>2mm, curvo a la izquierda</i>
CASPAR	ND 922.11 230mm / 9"	4,5mm, aufwärts gebogen <i>4,5mm, curved up</i> 4,5mm, curvo verso il alto <i>4,5mm, curvo hacia arriba</i>
CASPAR	ND 922.12 230mm / 9"	4,5mm, abwärts gebogen <i>4,5mm, curved down</i> 4,5mm, curvo verso il basso <i>4,5mm, curvo hacia abajo</i>



Tumorgabel
Tumor Fork
Forchetta per tumori
Horquilla para tumores



OKONEK-YASARGIL
ND 918.03
230mm / 9"



OKONEK-YASARGIL

ND 918.03
230mm / 9"

3mm



OKONEK-YASARGIL

ND 918.04
230mm / 9"

4mm



OKONEK-YASARGIL

ND 918.05
230mm / 9"

5mm



OKONEK-YASARGIL

ND 918.08
230mm / 9"

8mm



YASARGIL

ND 918.25
220mm / 8 3/4"

5mm



YASARGIL

ND 918.28
200mm / 8"

8mm



ND 919.18
180mm / 7" // 1,8mm

Gewebekralle mit Schutzkappe
Tissue Picks with guard
Graffa per tessuto con guaina
Uña para tejido con vaina protectora

Gefäßspreizer, Gefäßdilatoren, Knopfsonden
Vessel Spreader, Vessel Dilators, Vessel Probes
 Allargatore per vasi, Dilatatori per vasi, Sonda per vasi
Separadores para vasos, Dilatadores para vasos, Sonda para vasos



BIEMER
NQ 932.16
 160mm / 6 1/4"



BIEMER

NQ 932.16
 160mm / 6 1/4"

Gefäßspreizer
Vessel Spreader
 Allargatore per vasi
Separadores para vaso



NQ 942.05
 130mm / 5"

Gefäßdilator, Ø 0,5mm
Vessel Dilator, Ø 0,5mm
 Dilatatore per vasi, Ø 0,5mm
Dilatador para vasos, Ø 0,5mm



NQ 942.10
 130mm / 5"

Gefäßdilator, Ø 1,0mm
Vessel Dilator, Ø 1,0mm
 Dilatatore per vasi, Ø 1,0mm
Dilatador para vasos, Ø 1,0mm



NQ 942.15
 130mm / 5"

Gefäßdilator, Ø 1,5mm
Vessel Dilator, Ø 1,5mm
 Dilatatore per vasi, Ø 1,5mm
Dilatador para vasos, Ø 1,5mm



JACOBSON

NQ 952.19
 190mm / 7 1/2"

Knopfsonde
Vessel probe with ball tip
 Sonda bottonuta per vasi
Sonda abotonada para vasos



JACOBSON

NQ 954.19
 190mm / 7 1/2"

Doppelsonde
Vessel probe with ball tip
 Sonda per vasi
Sonda para vasos



Fadenhaltegabel
Ligature Adjuster
Forchetta da sutura
Horquilla de hilos



CASPAR
NQ 960.23
230mm / 9"



JACOBSON

NQ 960.18
180mm / 7"



CASPAR

NQ 962.23
230mm / 9"

Mikro-Löffel
Micro-Curretes
Micro-Curette
Micro-Cucharillas



NK 922.45
230mm / 9"



NK 922.23
230mm / 9"

Löffel, 1,5x2mm, scharf
Currete, 1,5x2mm, sharp
Curette, 1,5x2mm, acuto
Cucharilla, 1,5x2mm, aguda

NK 922.45
230mm / 9"

Löffel, 45°/2x3mm, scharf
Currete, 45°/2x3mm, sharp
Curette, 45°/2x3mm, acuto
Cucharilla, 45°/2x3mm, aguda

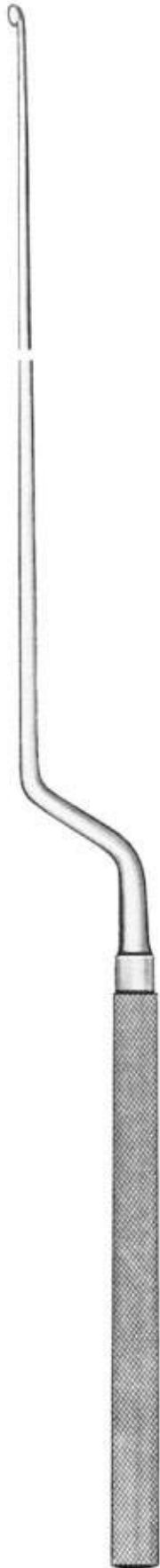
YASARGIL

NK 923.19
190mm / 7½"

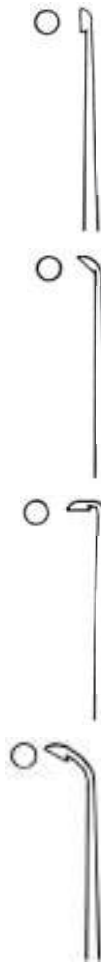
Löffel, scharf, bajonett
Currete, sharp, bayonet
Curette, acuto, baionetta
Cucharilla, aguda, bayoneta



Mikro-Löffel
Micro-Curettes
Micro-Curette
Micro-Cucharillas



NK 940.01
 240mm / 9½"



NK 940.01
 240mm / 9½" Ø 3mm

NK 940.02
 240mm / 9½" Ø3mm, 45°

NK 940.03
 240mm / 9½" Ø3mm, 90°

NK 940.04
 240mm / 9½" Ø3mm, 45° aufgebogen
 Ø3mm, 45° curved up
 Ø3mm, 45° curva verso il alto
 Ø3mm, 45° curvada hacia arriba

NK 940.10
 240mm / 9½" Ø3mm, 90° aufgebogen
 Ø3mm, 90° curved up
 Ø3mm, 90° curva verso il alto
 Ø3mm, 90° curvada hacia arriba

mit Steg 5mm
 with bar 5mm
 con piattaforma 5mm
 con rama acodada 5mm



NK 940.11
 240mm / 9½" Ø3mm, 90° abgebogen
 Ø3mm, 90° curved down
 Ø3mm, 90° curva verso il basso
 Ø3mm, 90° curvada hacia abajo

NK 940.12
 240mm / 9½" Ø3mm, 90° rechts gebogen
 Ø3mm, 90° curved right
 Ø3mm, 90° curva destra
 Ø3mm, 90° curvada hacia la derecha

NK 940.13
 240mm / 9½" Ø3mm, 90° links gebogen
 Ø3mm, 90° curved left
 Ø3mm, 90° curva sinistra
 Ø3mm, 90° curvada hacia l'izquierda

mit Steg 5mm
with bar 5mm
con piatta forma 5mm
con rama acodada 5mm



NK 940.20
240mm / 9½"

Ø3mm, 45° aufgebogen
Ø3mm, 45° curved up
Ø3mm, 45° curva verso il alto
Ø3mm, 45° curvada hacia arriba

NK 940.21
240mm / 9½"

Ø3mm, 45° abgebogen
Ø3mm, 45° curved down
Ø3mm, 45° curva verso il basso
Ø3mm, 45° curvada hacia abajo

NK 940.22
240mm / 9½"

Ø3mm, 45° rechts gebogen
Ø3mm, 45° curved right
Ø3mm, 45° curva destra
Ø3mm, 45° curvada hacia la derecha

NK 940.23
240mm / 9½"

Ø3mm, 45° links gebogen
Ø3mm, 45° curved left
Ø3mm, 45° curva sinistra
Ø3mm, 45° curvada hacia l'izquierda

mit Steg 10mm
with bar 10mm
con piatta forma 10mm
con rama acodada 10mm



NK 940.30
240mm / 9½"

Ø3mm, 45° aufgebogen
Ø3mm, 45° curved up
Ø3mm, 45° curva verso il alto
Ø3mm, 45° curvada hacia arriba

NK 940.31
240mm / 9½"

Ø3mm, 45° abgebogen
Ø3mm, 45° curved down
Ø3mm, 45° curva verso il basso
Ø3mm, 45° curvada hacia abajo

NK 940.32
240mm / 9½"

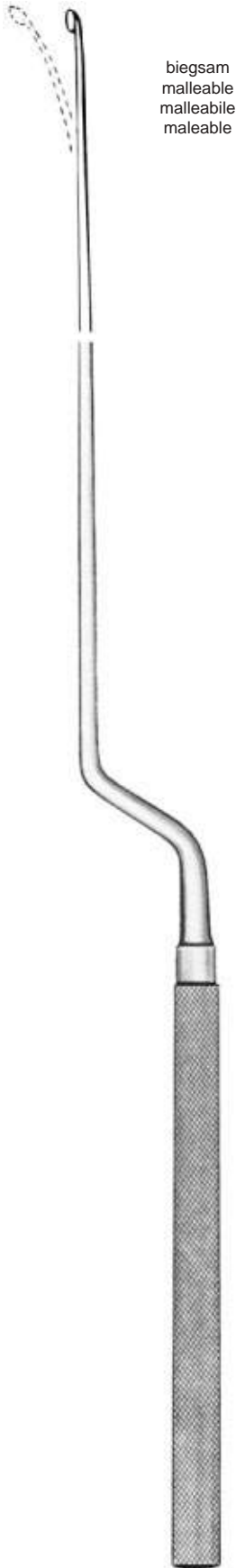
Ø3mm, 45° rechts gebogen
Ø3mm, 45° curved right
Ø3mm, 45° curva destra
Ø3mm, 45° curvada hacia la derecha

NK 940.33
240mm / 9½"

Ø3mm, 45° links gebogen
Ø3mm, 45° curved left
Ø3mm, 45° curva sinistra
Ø3mm, 45° curvada hacia l'izquierda



Mikro-Löffel, biegsam
Micro-Curettes, malleable
Micro-Curette, malleabile
Micro-Cucharillas, maleables



biegsam
malleable
malleabile
maleable



NK 940.35
240mm / 9½"

Ø 2,5mm



NK 940.36
240mm / 9½"

Ø 3,0mm



NK 940.37
240mm / 9½"

Ø 3,5mm



NK 940.38
240mm / 9½"

Ø 4,0mm

NK 940.35
240mm / 9½"

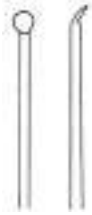




Mikro-Raspatorien
Micro-Raspatories
Micro-Periostotomi
Micro-Periostótomos



YASARGIL
NN 950.04
190mm / 7½"



NN 940.02
230mm / 9" 2mm



NN 940.03
230mm / 9" 3mm



YASARGIL **NN 950.01**
190mm / 7½"



YASARGIL **NN 950.03**
190mm / 7½"



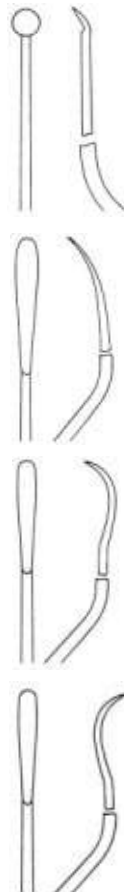
YASARGIL **NN 950.04**
190mm / 7½"



YASARGIL **NN 950.05**
190mm / 7½"



YASARGIL
NN 963.06
 190mm / 7½"



NN 963.01
 230mm / 9"

aufwärts gebogen
curved up
 curva verso il alto
curvada hacia arriba

YASARGIL

NN 963.04
 190mm / 7½"

abwärts gebogen
curved down
 curva verso il basso
curvada hacia abajo

YASARGIL

NN 963.06
 190mm / 7½"

abwärts gebogen
curved down
 curva verso il basso
curvada hacia abajo

YASARGIL

NN 963.07
 190mm / 7½"

aufwärts gebogen
curved up
 curva verso il alto
curvada hacia arriba

BILLY



RONGEURS

LAMINEKTOMIE STANZEN & RONGEURE
LAMINECTOMY PUNCHES & RONGEURS



PINZE PER LAMINECTOMIA & RONGEURE
PINZAS PARA OSTEÓTOMO & RONGEURE

KERRISON



Laminektomiestanzen & Rongeurs - BILLY
Laminectomy Punches & Rongeurs - BILLY
Pinze per Laminectomia & Rongeurs - BILLY
Pinzas para Laminectomía & Rongeurs - BILLY

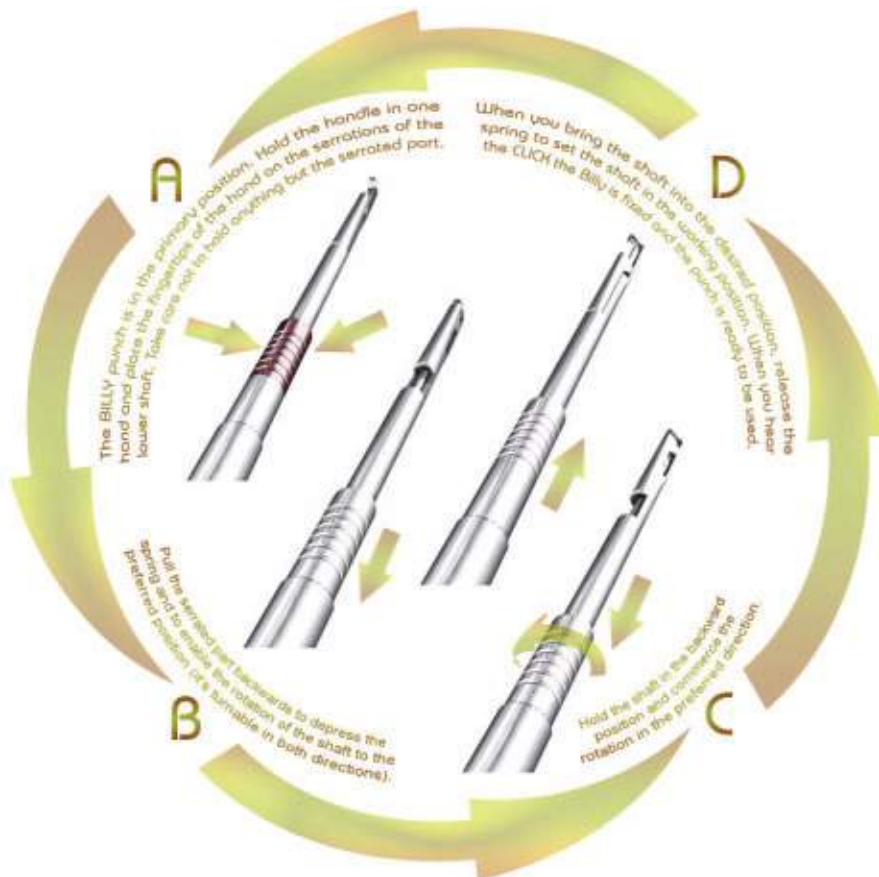
BILLY®

patent system



- * wechselbarer Schaft
- * *exchangeable shaft*
- * intercambiabile inserto
- * *vástago intercambiable*

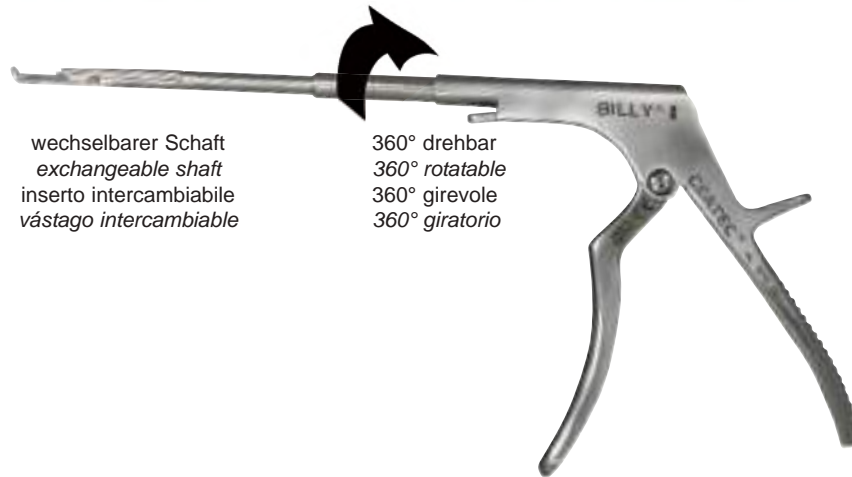






Laminektomiestanzen - BILLY I
Laminectomy Punches - BILLY I
Pinze per Laminectomia - BILLY I
Pinzas para Laminectomía - BILLY I

BILLY I Laminektomiestanze, 360° drehbar, wechselbarer Schaft, seidenmatt
BILLY I Laminectomy Punch, 360° rotatable, shaft exchangeable, matt finish
 BILLY I Pinza per Laminectomia, 360° girevole, inserto intercambiabile, opaca
BILLY I Pinza para Laminectomía, 360° giratorio, vástago intercambiable, apagada



wechselbarer Schaft
exchangeable shaft
 inserto intercambiabile
vástago intercambiable

360° drehbar
360° rotatable
 360° girevole
360° giratorio



Griff / Handle / Manico / Mango

seidenmatt / *matt finish*
 opaco / *apagado*

NL 970.00

90°

seidenmatt / *matt finish*
 opaco / *apagado*

**Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

**Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca**

18cm 20cm 23cm 25cm

mit Auswerfer
with ejector
 con espulsore
con eyector



1mm	NL 970.01ET	NL 971.01ET		
2mm	NL 970.02ET	NL 971.02ET	NL 972.02ET	NL 973.02ET
3mm	NL 970.03ET	NL 971.03ET	NL 972.03ET	NL 973.03ET
4mm	NL 970.04ET	NL 971.04ET	NL 972.04ET	NL 973.04ET
5mm			NL 972.05ET	NL 973.05ET
6mm			NL 972.06ET	NL 973.06ET

130°

seidenmatt / *matt finish*
 opaco / *apagado*

**Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

**Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca**

18cm 20cm 23cm 25cm

mit Auswerfer
with ejector
 con espulsore
con eyector



1mm	NL 974.01ET	NL 975.01ET		
2mm	NL 974.02ET	NL 975.02ET	NL 976.02ET	NL 977.02ET
3mm	NL 974.03ET	NL 975.03ET	NL 976.03ET	NL 977.03ET
4mm	NL 974.04ET	NL 975.04ET	NL 976.04ET	NL 977.04ET
5mm			NL 976.05ET	NL 977.05ET
6mm			NL 976.06ET	NL 977.06ET

Laminektomiestanzen - BILLY I
Laminectomy Punches - BILLY I
Pinze per Laminectomia - BILLY I
Pinzas para Laminectomía - BILLY I



BILLY I Laminektomiestanze, 360° drehbar, wechselbarer Schaft, schwarz beschichtet
BILLY I Laminectomy Punch, 360° rotatable, shaft exchangeable, black coated
 BILLY I Pinza per Laminectomia, 360° girevole, inserto intercambiabile, superficie nera
BILLY I Pinza para Laminectomía, 360° giratorio, vástago intercambiabile, recubrimienta negra



wechselbarer Schaft
exchangeable shaft
 inserto intercambiabile
vástago intercambiabile

360° drehbar
360° rotatable
 360° girevole
360° giratorio



Griff / Handle / Manico / Mango

**schwarz / black coated /
 superficie nera / recubrim.negra**

NL 970B00

90°

**schwarz / black coated /
 superficie nera / recubrim.negra**

**Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

**mit Auswerfer
 with ejector
 con espulsore
 con eyector**



**Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca**

18cm 20cm 23cm 25cm

1mm	NL 970B01ET	NL 971B01ET		
2mm	NL 970B02ET	NL 971B02ET	NL 972B02ET	NL 973B02ET
3mm	NL 970B03ET	NL 971B03ET	NL 972B03ET	NL 973B03ET
4mm	NL 970B04ET	NL 971B04ET	NL 972B04ET	NL 973B04ET
5mm			NL 972B05ET	NL 973B05ET
6mm			NL 972B06ET	NL 973B06ET

130°

**schwarz / black coated /
 superficie nera / recubrir negro**

**Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

**mit Auswerfer
 with ejector
 con espulsore
 con eyector**



**Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca**

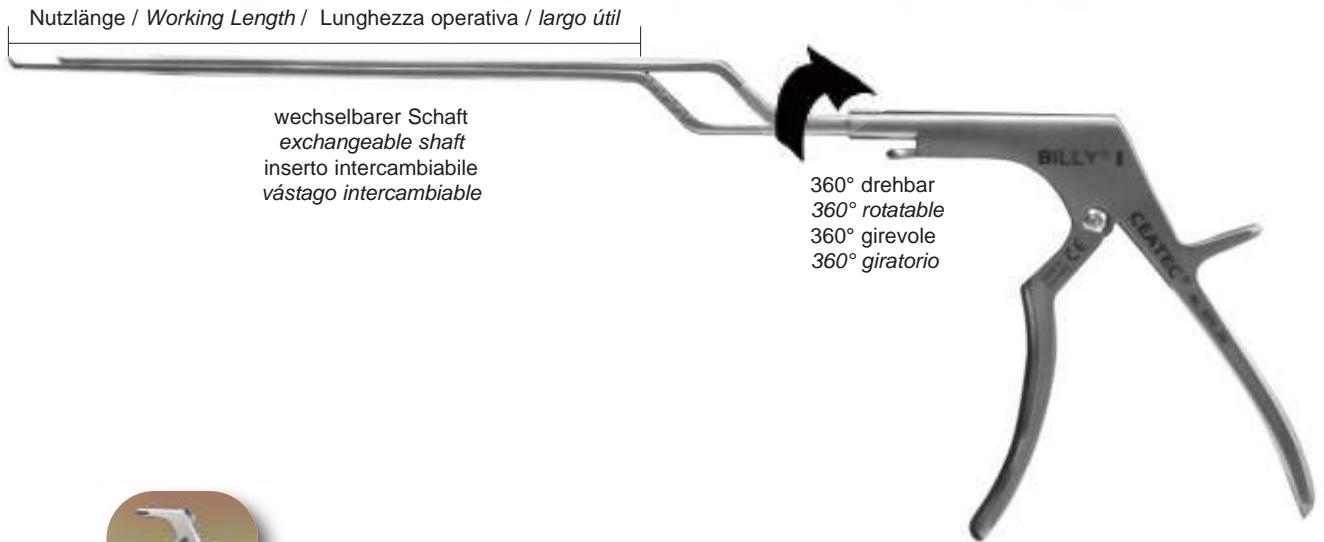
18cm 20cm 23cm 25cm

1mm	NL 974B01ET	NL 975B01ET		
2mm	NL 974B02ET	NL 975B02ET	NL 976B02ET	NL 977B02ET
3mm	NL 974B03ET	NL 975B03ET	NL 976B03ET	NL 977B03ET
4mm	NL 974B04ET	NL 975B04ET	NL 976B04ET	NL 977B04ET
5mm			NL 976B05ET	NL 977B05ET
6mm			NL 976B06ET	NL 977B06ET



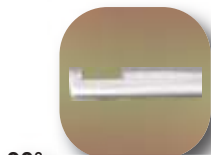
Laminektomiestanzen baionett - BILLY I
Laminectomy Punches bayonet - BILLY I
Pinze per Laminectomia baionetta - BILLY I
Pinzas para Laminectomía bayoneta - BILLY I

BILLY I Laminektomiestanze baionett, 360° drehbar, wechselbarer Schaft
BILLY I Laminectomy Punch bayonet, 360° rotatable, shaft exchangeable
 BILLY I Pinza Laminectomia baionetta, 360° girevole, inserto intercambiabile
BILLY I Pinza Osteótomo bayoneta, 360° giratorio, vástago intercambiable

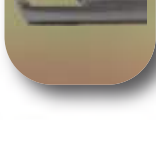
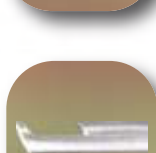


Griff / Handle / Manico / Mango

seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>	NL 970.00
schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negra</i>	NL 970B00



90°



130°

**Schaftlänge / Shaft Length /
Lunghezza dell'inserto / Longitud del vástago**

Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	18cm	
	seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>	schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negra</i>
1mm	NL 965.01	NL 965B01
2mm	NL 965.02	NL 965B02
3mm	NL 965.03	NL 965B03
4mm	NL 965.04	NL 965B04
5mm	NL 965.05	NL 965B05
6mm	NL 965.06	NL 965B06

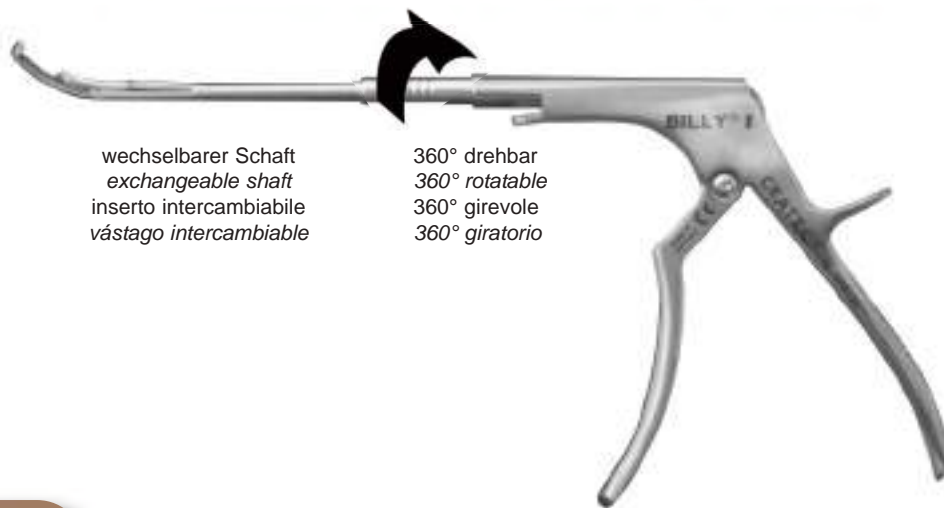
**Schaftlänge / Shaft Length /
Lunghezza dell'inserto / Longitud del vástago**

Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	18cm	
	seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>	schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negra</i>
1mm	NL 966.01	NL 966B01
2mm	NL 966.02	NL 966B02
3mm	NL 966.03	NL 966B03
4mm	NL 966.04	NL 966B04
5mm	NL 966.05	NL 966B05
6mm	NL 966.06	NL 966B06

Foraminotomie Stanzen - BILLY I
Foraminotomy Punches - BILLY I
Pinze per Foraminotomia - BILLY I
Pinzas para Laminectomía - BILLY I



BILLY I Foraminotomie Stanze, 360° drehbar, wechselbarer Schaft
BILLY I Foraminotomy Punch, 360° rotatable, shaft exchangeable
 BILLY I Pinza per Foraminotomia, 360° girevole, inserto intercambiabile
BILLY I Pinza para Foraminotomia, 360° giratorio, vástago intercambiabile



wechselbarer Schaft
exchangeable shaft
 inserto intercambiabile
vástago intercambiabile

360° drehbar
360° rotatable
 360° girevole
360° giratorio



seidenmatt / *matt finish*
 opaco / *apagado*

NL 970.00

Griff / Handle / Manico / Mango



schwarz / *black coated* /
 superficie nera / *recubrim.negra*

NL 970B00

seidenmatt / *matt finish*
 opaco / *apagado*

**Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

**Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca**

	18cm	20cm	23cm	25cm
2mm	NL 945.02ET	NL 945.12ET	NL 945.22ET	NL 945.32ET
3mm	NL 945.03ET	NL 945.13ET	NL 945.23ET	NL 945.33ET
4mm	NL 945.04ET	NL 945.14ET	NL 945.24ET	NL 945.34ET
5mm	NL 945.05ET	NL 945.15ET	NL 945.25ET	NL 945.35ET

130°



seidenmatt / *matt finish*
 opaco / *apagado*

**Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

**Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca**

	18cm	20cm	23cm	25cm
2mm	NL 945B02ET	NL 945B12ET	NL 945B22ET	NL 945B32ET
3mm	NL 945B03ET	NL 945B13ET	NL 945B23ET	NL 945B33ET
4mm	NL 945B04ET	NL 945B14ET	NL 945B24ET	NL 945B34ET
5mm	NL 945B05ET	NL 945B15ET	NL 945B25ET	NL 945B35ET

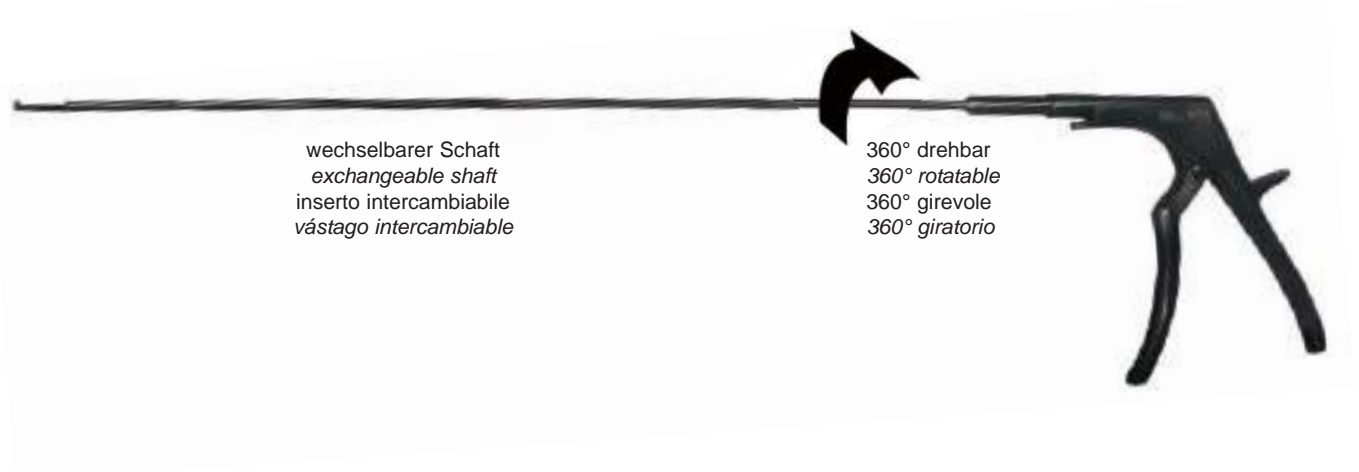
130°





Laminektomiestanzen endoskopisch - BILLY I
Laminectomy Punches for endoscope- BILLY I
Pinze per Laminectomia per endoscopia - BILLY I
Pinzas para Laminectomía para endoscopia - BILLY I

BILLY I Laminektomiestanze endoskopisch, 360° drehbar, wechselbarer Schaft
BILLY I Laminectomy Punch for endoscope, 360° rotatable, shaft exchangeable
 BILLY I Pinza Laminectomia per endoscopia, 360° girevole, inserto intercambiabile
BILLY I Pinza Osteótomo para endoscopia, 360° giratorio, vástago intercambiabile

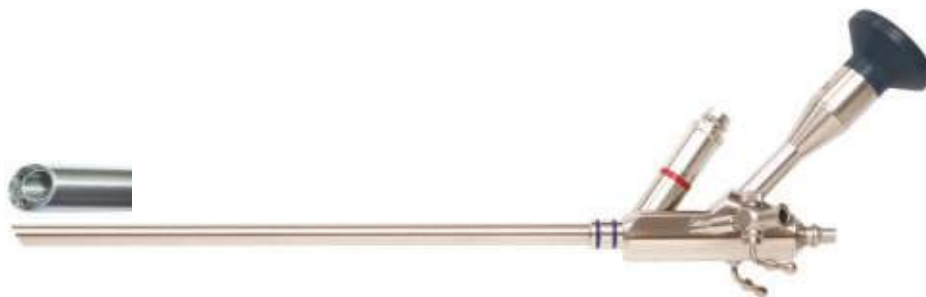


wechselbarer Schaft
exchangeable shaft
 inserto intercambiabile
vástago intercambiabile

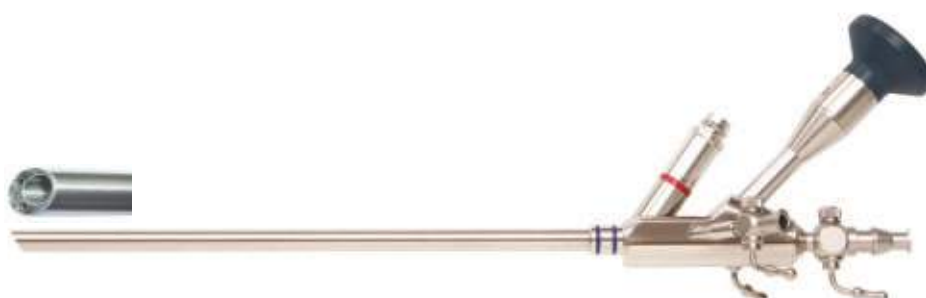
360° drehbar
360° rotatable
 360° girevole
360° giratorio

		Griff / Handle / Manico / Mango	
		seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>	NL 970.00
		schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negra</i>	NL 970B00
		Schaftlänge / Shaft Length / Lunghezza dell'inserto / Longitud del vástago	
90°		Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	36cm
		3mm	seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>
		3,5mm	schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negra</i>
		4mm	NL 962.03T NL 962B03T
			NL 962.35T NL 962B35T
			NL 962.04T NL 962B04T
130°		Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	36cm
		3mm	seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>
		3,5mm	schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negra</i>
		4mm	NL 964.03T NL 964B03T
			NL 964.35T NL 964B35T
			NL 964.04T NL 964B04T

Optik für die Neurochirurgie mit Arbeits-, Saug-, und Spülkanal
 Optic for Neurosurgery with working, suction and irrigation channel
 Ottica per neuro chirurgia con canale operativo, aspirazione e lavaggio
 Óptica para neurocirugía con canal operación, aspiración y enjuague



	Ø außen Ø outside Ø esterno Ø exterior	Ø innen Ø inside Ø dentro Ø interior	Arbeitslänge Working Length Lunghezza Longitud	Blickrichtung Direction of view Angolo di visualizzazione Ángulo de visualización
NV 063 15 177	6,3mm	3,7mm	177mm	15°
NV 063 20 177	6,3mm	3,7mm	177mm	20°
NV 063 30 177	6,3mm	3,7mm	177mm	30°
NV 070 15 177	7,0mm	4,1mm	177mm	15°
NV 070 20 177	7,0mm	4,1mm	177mm	20°
NV 070 30 177	7,0mm	4,1mm	177mm	30°

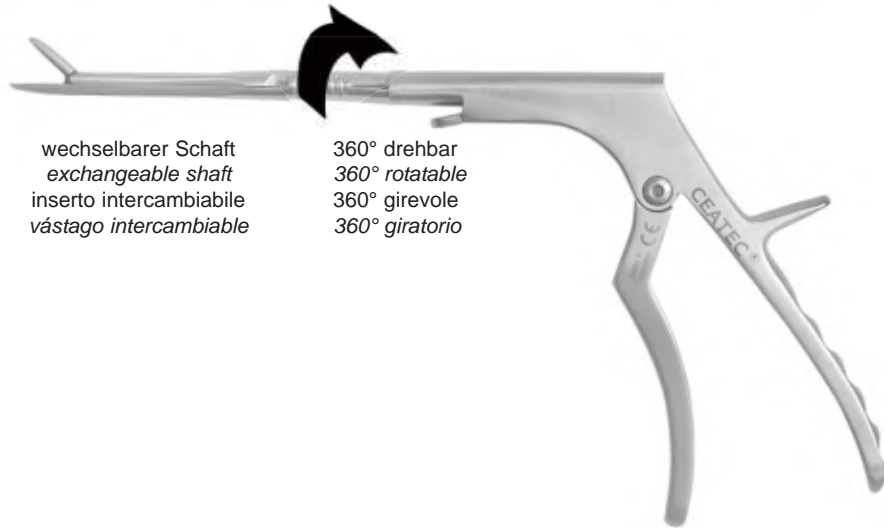


mit Absperrhahn with stop-cock con rubinetto cierre con llave	Ø außen Ø outside Ø esterno Ø exterior	Ø innen Ø inside Ø dentro Ø interior	Arbeitslänge Working Length Lunghezza Longitud	Blickrichtung Direction of view Angolo di visualizzazione Ángulo de visualización
NV 070 15 177SC	7,0mm	4,1mm	177mm	15°
NV 070 20 177SC	7,0mm	4,1mm	177mm	20°
NV 070 30 177SC	7,0mm	4,1mm	177mm	30°



Rongeur - BILLY II
 Rongeurs - BILLY II
 Rongeur - BILLY II
 Rongeur - BILLY II

BILLY II Rongeur LOVE-GRUENWALD, 360° drehbar, wechselbarer Schaft, seidenmatt
 BILLY II Rongeur LOVE-GRUENWALD, 360° rotatable, shaft exchangeable, matt finish
 BILLY II Rongeur LOVE-GRUENWALD, 360° girevole, inserto intercambiabile, opaca
 BILLY II Rongeur LOVE-GRUENWALD, 360° giratorio, vástago intercambiabile, apagada



wechselbarer Schaft
 exchangeable shaft
 inserto intercambiabile
 vástago intercambiabile

360° drehbar
 360° rotatable
 360° girevole
 360° giratorio



gerade
 straight
 retto
 recto



seidenmatt / matt finish
 opaco / apagado

Griff / Handle / Manico / Mango

NL 980.00

seidenmatt / matt finish
 opaco / apagado

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

15cm

18cm

2mm
 3mm
 4mm

NL 980.05T
 NL 980.15T
 NL 980.25T

NL 980.08T
 NL 980.18T
 NL 980.28T

seidenmatt / matt finish
 opaco / apagado

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

15cm

18cm

2mm
 3mm
 4mm

NL 980.35T
 NL 980.45T
 NL 980.55T

NL 980.38T
 NL 980.48T
 NL 980.58T

seidenmatt / matt finish
 opaco / apagado

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

15cm

18cm

2mm
 3mm
 4mm

NL 980.65T
 NL 980.75T
 NL 980.85T

NL 980.68T
 NL 980.78T
 NL 980.88T

abwärts
 downbiting
 taglio in basso
 cort. hc. abajo



Rongeur - BILLY II
 Rongeurs - BILLY II
 Rongeur - BILLY II
 Rongeur - BILLY II



BILLY II Rongeur LOVE-GRUENWALD, 360° drehbar, wechselbarer Schaft, schwarz
 BILLY II Rongeur LOVE-GRUENWALD, 360° rotatable, shaft exchangeable, black coated
 BILLY II Rongeur LOVE-GRUENWALD, 360° girevole, inserto intercambiabile, superficie nera
 BILLY II Rongeur LOVE-GRUENWALD, 360° giratorio, vástago intercambiabile, recubrir negro



wechselbarer Schaft
 exchangeable shaft
 inserto intercambiabile
 vástago intercambiabile

360° drehbar
 360° rotatable
 360° girevole
 360° giratorio



Griff / Handle / Manico / Mango

schwarz / black coated /
 superficie nera / recubrir negro

NL 980B00

gerade
 straight
 retto
 recto



schwarz / black coated /
 superficie nera / recubrir negro

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

15cm

18cm

2mm

NL 980B05T

NL 980B08T

3mm

NL 980B15T

NL 980B18T

4mm

NL 980B25T

NL 980B28T

schwarz / black coated /
 superficie nera / recubrir negro

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

15cm

18cm

2mm

NL 980B35T

NL 980B38T

3mm

NL 980B45T

NL 980B48T

4mm

NL 980B55T

NL 980B58T

schwarz / black coated /
 superficie nera / recubrir negro

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

15cm

18cm

2mm

NL 980B65T

NL 980B68T

3mm

NL 980B75T

NL 980B78T

4mm

NL 980B85T

NL 980B88T

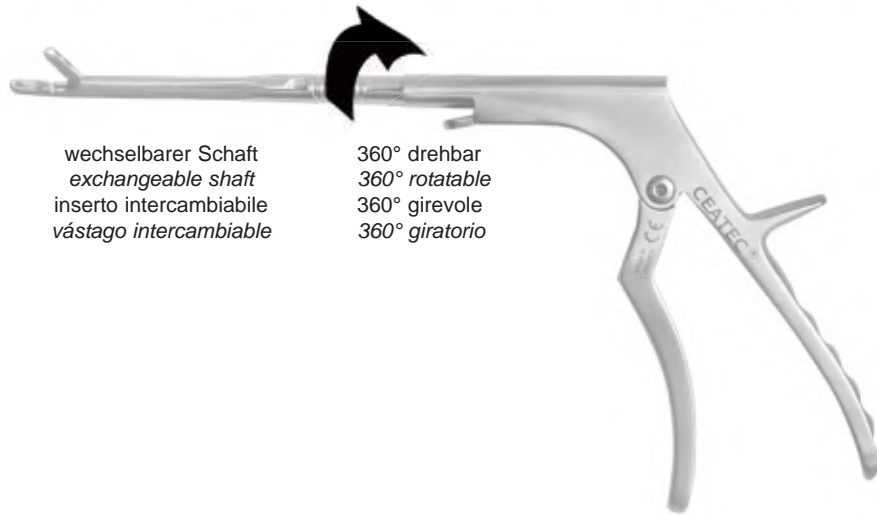
abwärts
 downbiting
 taglio in basso
 cort. hc. abajo





Rongeur - BILLY II
 Rongeurs - BILLY II
 Rongeur - BILLY II
 Rongeur - BILLY II

BILLY II Rongeur CASPAR, 360° drehbar, wechselbarer Schaft, seidenmatt
 BILLY II Rongeur CASPAR, 360° rotatable, shaft exchangeable, matt finish
 BILLY II Rongeur CASPAR, 360° girevole, inserto intercambiabile, opaca
 BILLY II Rongeur CASPAR, 360° giratorio, vástago intercambiabile, apagada



wechselbarer Schaft
 exchangeable shaft
 inserto intercambiabile
 vástago intercambiabile

360° drehbar
 360° rotatable
 360° girevole
 360° giratorio



Griff / Handle / Manico / Mango

seidenmatt / matt finish
 opaco / apagado

NL 980.00



gerade
 straight
 retto
 recto

seidenmatt / matt finish
 opaco / apagado

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

16cm

18cm

2mm

NL 981.16T

NL 981.18T

3mm

NL 981.26T

NL 981.28T

4mm

NL 981.36T

NL 981.38T

5mm

NL 981.46T

NL 981.48T



aufwärts
 upbiting
 taglio in alto
 cort. hc. arriba

seidenmatt / matt finish
 opaco / apagado

Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

16cm

18cm

2mm

NL 981.56T

NL 981.58T

3mm

NL 981.66T

NL 981.68T

4mm

NL 981.76T

NL 981.78T

5mm

NL 981.86T

NL 981.88T

Rongeur - BILLY II
 Rongeurs - BILLY II
 Rongeur - BILLY II
 Rongeur - BILLY II



BILLY II Rongeur CASPAR, 360° drehbar, wechselbarer Schaft, schwarz
BILLY II Rongeur CASPAR, 360° rotatable, shaft exchangeable, black coated
 BILLY II Rongeur CASPAR, 360° girevole, inserto intercambiabile, superficie nera
BILLY II Rongeur CASPAR, 360° giratorio, vástago intercambiable, recubrir negro



wechselbarer Schaft
exchangeable shaft
 inserto intercambiabile
vástago intercambiable

360° drehbar
360° rotatable
 360° girevole
360° giratorio



Griff / Handle / Manico / Mango

**schwarz / black coated /
 superficie nera / recubrir negro** NL 980B00



**gerade
 straight
 retto
 recto**

**schwarz / black coated /
 superficie nera / recubrir negro** **Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

Maulbreite Bite size Larghezza del morso Anchura de la boca	16cm	18cm
2mm	NL 981B16T	NL 981B18T
3mm	NL 981B26T	NL 981B28T
4mm	NL 981B36T	NL 981B38T
5mm	NL 981B46T	NL 981B48T



**aufwärts
 upbiting
 taglio in alto
 cort. hc. arriba**

**schwarz / black coated /
 superficie nera / recubrir negro** **Schaftlänge / Shaft Length /
 Lunghezza dell'inserto / Longitud del vástago**

Maulbreite Bite size Larghezza del morso Anchura de la boca	16cm	18cm
2mm	NL 981B56T	NL 981B58T
3mm	NL 981B66T	NL 981B68T
4mm	NL 981B76T	NL 981B78T
5mm	NL 981B86T	NL 981B88T



Laminektomiestanzen - KERRISON
Laminectomy Punches - KERRISON
Pinze per Laminectomia - KERRISON
Pinzas para Laminectomía - KERRISON

Spurling-Kerrison Laminektomiestanze, aufwärts, kleiner Griff

Spurling-Kerrison Laminectomy Punch, upbiting, small handle

Spurling-Kerrison Pinza per Laminectomia, verso l'alto, manico piccolo

Spurling-Kerrison Pinza para Laminectomía, cortante hacia arriba, mango pequeño



90°

aufwärts
upbiting
taglio in alto
cort. hc. arriba

Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm	20cm	23cm	25cm	28cm	30cm
1mm	NL 982.01	NL 982.11	NL 982.21	NL 982.31	NL 982.41	NL 982.51
2mm	NL 982.02	NL 982.12	NL 982.22	NL 982.32	NL 982.42	NL 982.52
3mm	NL 982.03	NL 982.13	NL 982.23	NL 982.33	NL 982.43	NL 982.53
4mm	NL 982.04	NL 982.14	NL 982.24	NL 982.34	NL 982.44	NL 982.54
5mm	NL 982.05	NL 982.15	NL 982.25	NL 982.35	NL 982.45	NL 982.55
6mm	NL 982.06	NL 982.16	NL 982.26	NL 982.36	NL 982.46	NL 982.56

130°

aufwärts
upbiting
taglio in alto
cort. hc. arriba

Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm	20cm	23cm	25cm	28cm	30cm
1mm	NL 983.01	NL 983.11	NL 983.21	NL 983.31	NL 983.41	NL 983.51
2mm	NL 983.02	NL 983.12	NL 983.22	NL 983.32	NL 983.42	NL 983.52
3mm	NL 983.03	NL 983.13	NL 983.23	NL 983.33	NL 983.43	NL 983.53
4mm	NL 983.04	NL 983.14	NL 983.24	NL 983.34	NL 983.44	NL 983.54
5mm	NL 983.05	NL 983.15	NL 983.25	NL 983.35	NL 983.45	NL 983.55
6mm	NL 983.06	NL 983.16	NL 983.26	NL 983.36	NL 983.46	NL 983.56



All Laminectomy Punches are available in matt finish or with **black** ceramic coating, as well as with or without **ejector**.

If you want to order black, please take a "B" instead of a ".", if you want to order with ejector, please add an "E" at the end of the code number.

Example: NL 982B02, NL 983.54E, NL 982B13E

Further sizes and lengths are available in custom-made version on request!

Laminektomiestanzen - KERRISON
 Laminectomy Punches - KERRISON
 Pinze per Laminectomia - KERRISON
 Pinzas para Laminectomía - KERRISON



Spurling-Kerrison Laminektomiestanze, abwärts, kleiner Griff
 Spurling-Kerrison Laminectomy Punch, downbiting, small handle
 Spurling-Kerrison Pinza per Laminectomia, verso il basso, manico piccolo
 Spurling-Kerrison Pinza para Laminectomía, cortante hacia abajo, mango pequeño



90°	Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm	20cm	23cm	25cm	28cm	30cm
 abwärts downbiting taglio in basso cort. hc. abajo	1mm	NL 984.01	NL 984.11	NL 984.21	NL 984.31	NL 984.41	NL 984.51
	2mm	NL 984.02	NL 984.12	NL 984.22	NL 984.32	NL 984.42	NL 984.52
	3mm	NL 984.03	NL 984.13	NL 984.23	NL 984.33	NL 984.43	NL 984.53
	4mm	NL 984.04	NL 984.14	NL 984.24	NL 984.34	NL 984.44	NL 984.54
	5mm	NL 984.05	NL 984.15	NL 984.25	NL 984.35	NL 984.45	NL 984.55
	6mm	NL 984.06	NL 984.16	NL 984.26	NL 984.36	NL 984.46	NL 984.56

130°	Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm	20cm	23cm	25cm	28cm	30cm
 abwärts downbiting taglio in basso cort. hc. abajo	1mm	NL 985.01	NL 985.11	NL 985.21	NL 985.31	NL 985.41	NL 985.51
	2mm	NL 985.02	NL 985.12	NL 985.22	NL 985.32	NL 985.42	NL 985.52
	3mm	NL 985.03	NL 985.13	NL 985.23	NL 985.33	NL 985.43	NL 985.53
	4mm	NL 985.04	NL 985.14	NL 985.24	NL 985.34	NL 985.44	NL 985.54
	5mm	NL 985.05	NL 985.15	NL 985.25	NL 985.35	NL 985.45	NL 985.55
	6mm	NL 985.06	NL 985.16	NL 985.26	NL 985.36	NL 985.46	NL 985.56



Die Laminektomiestanzen sind in seidenmatt oder **schwarz** keramik beschichtet bestellbar, sowie mit oder ohne **Auswerfer**.
 Wenn Sie schwarz beschichtet bestellen möchten, ersetzen Sie bitte den “.” durch ein “B”, wenn Sie mit Auswerfer bestellen möchten, fügen Sie bitte der Sachnummer am Ende ein “E” hinzu.
 Beispiele: NL 984B02, NL 985.54E, NL 984B13E

Weitere Größen und Längen sind auf Anfrage als Sonderanfertigung möglich!



Laminektomiestanzen - KERRISON
Laminectomy Punches - KERRISON
Pinze per Laminectomia - KERRISON
Pinzas para Laminectomía - KERRISON

“Flatfood” Laminektomiestanze, kleiner Griff

“Flatfood” Laminectomy Punch, small handle

“Flatfood” Pinza per Laminectomia, manico piccolo

“Flatfood” Pinza para Laminectomía, mango pequeño



130°

aufwärts
upbiting
taglio in alto
cort. hc. arriba

Maulbreite
Bite size
Larghezza del morso
Anchura de la boca

18cm

20cm

23cm

25cm

28cm

30cm

1mm

NL 986.01

NL 986.11

NL 986.21

NL 986.31

NL 986.41

NL 986.51

2mm

NL 986.02

NL 986.12

NL 986.22

NL 986.32

NL 986.42

NL 986.52

3mm

NL 986.03

NL 986.13

NL 986.23

NL 986.33

NL 986.43

NL 986.53

4mm

NL 986.04

NL 986.14

NL 986.24

NL 986.34

NL 986.44

NL 986.54

5mm

NL 986.05

NL 986.15

NL 986.25

NL 986.35

NL 986.45

NL 986.55

6mm

NL 986.06


NL 986.16

NL 986.26

NL 986.36

NL 986.46

NL 986.56

130°

abwärts
downbiting
verso il basso
hacia abajo

Maulbreite
Bite size
Larghezza del morso
Anchura de la boca

18cm

20cm

23cm

25cm

28cm

30cm

1mm

NL 987.01

NL 987.11

NL 987.21

NL 987.31

NL 987.41

NL 987.51

2mm

NL 987.02

NL 987.12

NL 987.22

NL 987.32

NL 987.42

NL 987.52

3mm

NL 987.03

NL 987.13

NL 987.23

NL 987.33

NL 987.43

NL 987.53

4mm

NL 987.04

NL 987.14

NL 987.24

NL 987.34

NL 987.44

NL 987.54

5mm

NL 987.05

NL 987.15

NL 987.25

NL 987.35

NL 987.45

NL 987.55

6mm

NL 987.06

NL 987.16

NL 987.26

NL 987.36

NL 987.46

NL 987.56



All Laminectomy Punches are available in matt finish or with **black** ceramic coating, as well as with or without **ejector**.

If you want to order black, please take a “**B**” instead of a “.”, if you want to order with ejector, please add an “**E**” at the end of the code number.

Example: NL 986B02, NL 987.54E, NL 986B13E

Further sizes and lengths are available in custom-made version on request!

Laminektomiestanzen - KERRISON
 Laminectomy Punches - KERRISON
 Pinze per Laminectomia - KERRISON
 Pinzas para Laminectomía - KERRISON



Kerrison Laminektomiestanze, aufwärts, großer Griff

Kerrison Laminectomy Punch, upbiting, large handle

Kerrison Pinza per Laminectomia, taglio verso l'alto, manico grande

Kerrison Pinza para Laminectomía, cortante hacia arriba, mango grande



90°

 aufwärts
 upbiting
 taglio in alto
 cort. hc. arriba

Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm	20cm	23cm	25cm	28cm	30cm
1mm	NL 988.01	NL 988.11	NL 988.21	NL 988.31	NL 988.41	NL 988.51
2mm	NL 988.02	NL 988.12	NL 988.22	NL 988.32	NL 988.42	NL 988.52
3mm	NL 988.03	NL 988.13	NL 988.23	NL 988.33	NL 988.43	NL 988.53
4mm	NL 988.04	NL 988.14	NL 988.24	NL 988.34	NL 988.44	NL 988.54
5mm	NL 988.05	NL 988.15	NL 988.25	NL 988.35	NL 988.45	NL 988.55
6mm	NL 988.06	NL 988.16	NL 988.26	NL 988.36	NL 988.46	NL 988.56

130°

 aufwärts
 upbiting
 taglio in alto
 cort. hc. arriba

Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm	20cm	23cm	25cm	28cm	30cm
1mm	NL 989.01	NL 989.11	NL 989.21	NL 989.31	NL 989.41	NL 989.51
2mm	NL 989.02	NL 989.12	NL 989.22	NL 989.32	NL 989.42	NL 989.52
3mm	NL 989.03	NL 989.13	NL 989.23	NL 989.33	NL 989.43	NL 989.53
4mm	NL 989.04	NL 989.14	NL 989.24	NL 989.34	NL 989.44	NL 989.54
5mm	NL 989.05	NL 989.15	NL 989.25	NL 989.35	NL 989.45	NL 989.55
6mm	NL 989.06	NL 989.16	NL 989.26	NL 989.36	NL 989.46	NL 989.56



Die Laminektomiestanzen sind in seidenmatt oder **schwarz** keramik beschichtet bestellbar, sowie mit oder ohne **Auswerfer**.

Wenn Sie schwarz beschichtet bestellen möchten, ersetzen Sie bitte den "." durch ein "B", wenn Sie mit Auswerfer bestellen möchten, fügen Sie bitte der Sachnummer am Ende ein "E" hinzu.

Beispiele: NL 988B02, NL 989.54E, NL 988B13E

Weitere Größen und Längen sind auf Anfrage als Sonderanfertigung möglich!



Laminektomiestanzen - KERRISON
Laminectomy Punches - KERRISON
Pinze per Laminectomia - KERRISON
Pinzas para Laminectomía - KERRISON

Kerrison Laminektomiestanze, abwärts, großer Griff

Kerrison Laminectomy Punch, downbiting, large handle

Kerrison Pinza per Laminectomia, taglio verso il basso, manico grande

Kerrison Pinza para Laminectomía, cortante hacia abajo, mango grande



90°

**abwärts
downbiting
taglio in basso
cort. hc. abajo**

**Maulbreite
Bite size
Larghezza del morso
Anchura de la boca**

	18cm	20cm	23cm	25cm	28cm	30cm
1mm	NL 990.01	NL 990.11	NL 990.21	NL 990.31	NL 990.41	NL 990.51
2mm	NL 990.02	NL 990.12	NL 990.22	NL 990.32	NL 990.42	NL 990.52
3mm	NL 990.03	NL 990.13	NL 990.23	NL 990.33	NL 990.43	NL 990.53
4mm	NL 990.04	NL 990.14	NL 990.24	NL 990.34	NL 990.44	NL 990.54
5mm	NL 990.05	NL 990.15	NL 990.25	NL 990.35	NL 990.45	NL 990.55
6mm	NL 990.06	NL 990.16	NL 990.26	NL 990.36	NL 990.46	NL 990.56

130°

**abwärts
downbiting
taglio in basso
cort. hc. abajo**

**Maulbreite
Bite size
Larghezza del morso
Anchura de la boca**

	18cm	20cm	23cm	25cm	28cm	30cm
1mm	NL 991.01	NL 991.11	NL 991.21	NL 991.31	NL 991.41	NL 991.51
2mm	NL 991.02	NL 991.12	NL 991.22	NL 991.32	NL 991.42	NL 991.52
3mm	NL 991.03	NL 991.13	NL 991.23	NL 991.33	NL 991.43	NL 991.53
4mm	NL 991.04	NL 991.14	NL 991.24	NL 991.34	NL 991.44	NL 991.54
5mm	NL 991.05	NL 991.15	NL 991.25	NL 991.35	NL 991.45	NL 991.55
6mm	NL 991.06	NL 991.16	NL 991.26	NL 991.36	NL 991.46	NL 991.56



All Laminectomy Punches are available in matt finish or with **black** ceramic coating, as well as with or without **ejector**.

If you want to order black, please take a **"B"** instead of a **."**, if you want to order with ejector, please add an **"E"** at the end of the code number.

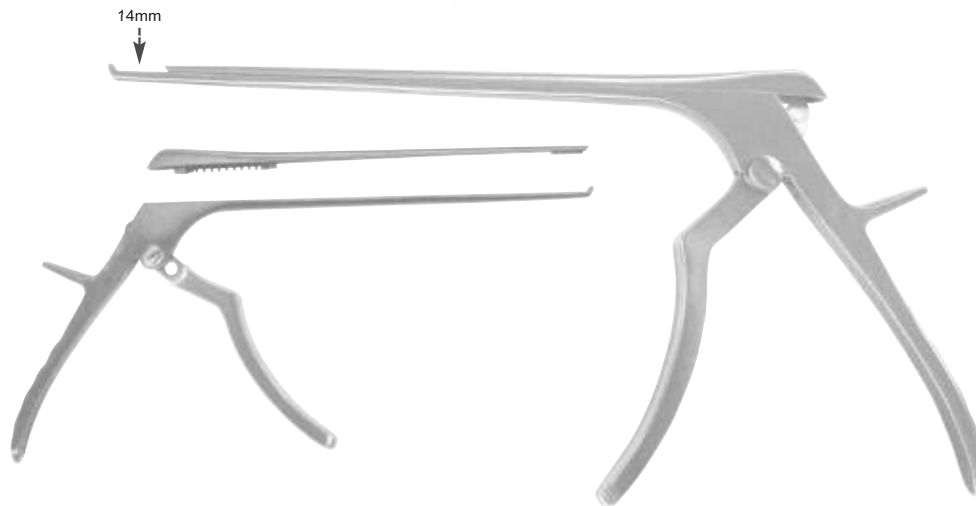
Example: NL 990B02, NL 991.54E, NL 990B13E


Further sizes and lengths are available in custom-made version on request!


Laminektomiestanzen - KERRISON
 Laminectomy Punches - KERRISON
 Pinze per Laminectomia - KERRISON
 Pinzas para Laminectomía - KERRISON



Kerrison Laminektomiestanze, zerlegbar, kleiner Griff
 Kerrison Laminectomy Punch, detachable, small handle
 Kerrison Pinza per Laminectomia, smontabile, manico piccolo
 Kerrison Pinza para Laminectomía, mango pequeño



	Maulbreite Bite size Larghezza del morso Anchura de la boca	90°			130°		
		18cm	20cm	23cm	18cm	20cm	23cm
 aufwärts upbiting taglio in alto cort. hc. arriba	1mm	NL 992.01	NL 992.11	NL 992.21	NL 992.51	NL 992.61	NL 992.71
	2mm	NL 992.02	NL 992.12	NL 992.22	NL 992.52	NL 992.62	NL 992.72
	3mm	NL 992.03	NL 992.13	NL 992.23	NL 992.53	NL 992.63	NL 992.73
	4mm	NL 992.04	NL 992.14	NL 992.24	NL 992.54	NL 992.64	NL 992.74
	5mm	NL 992.05	NL 992.15	NL 992.25	NL 992.55	NL 992.65	NL 992.75
	6mm	NL 992.06	NL 992.16	NL 992.26	NL 992.56	NL 992.66	NL 992.76

	Maulbreite Bite size Larghezza del morso Anchura de la boca	90°			130°		
		18cm	20cm	23cm	18cm	20cm	23cm
 abwärts downbiting taglio in basso cort. hc. abajo	1mm	NL 993.01	NL 993.11	NL 993.21	NL 993.51	NL 993.61	NL 993.71
	2mm	NL 993.02	NL 993.12	NL 993.22	NL 993.52	NL 993.62	NL 993.72
	3mm	NL 993.03	NL 993.13	NL 993.23	NL 993.53	NL 993.63	NL 993.73
	4mm	NL 993.04	NL 993.14	NL 993.24	NL 993.54	NL 993.64	NL 993.74
	5mm	NL 993.05	NL 993.15	NL 993.25	NL 993.55	NL 993.65	NL 993.75
	6mm	NL 993.06	NL 993.16	NL 993.26	NL 993.56	NL 993.66	NL 993.76



Die Laminektomiestanzen sind in seidenmatt oder **schwarz** keramik beschichtet bestellbar, sowie mit oder ohne **Auswerfer**.
 Wenn Sie schwarz beschichtet bestellen möchten, ersetzen Sie bitte den "." durch ein "B", wenn Sie mit Auswerfer bestellen möchten, fügen Sie bitte der Sachnummer am Ende ein "E" hinzu.
 Beispiele: NL 993B02, NL 992.54E, NL 993B13E

Weitere Größen und Längen sind auf Anfrage als Sonderanfertigung möglich!



Laminektomiestanzen - KERRISON
Laminectomy Punches - KERRISON
Pinze per Laminectomia - KERRISON
Pinzas para Laminectomía - KERRISON

Bajonette Kerrison Laminektomiestanze, aufwärts, kleiner Griff

Bayonet Kerrison Laminectomy Punch, upbiting, small handle

Kerrison Baionetta Pinza per Laminectomia, verso l'alto, manico piccolo

Kerrison Bayoneta Pinza para Laminectomía, hacia arriba, mango pequeño



90°	Maulbreite Bite size Larghezza del morso Anchura de la boca	11cm	15cm	18cm
 aufwärts upbiting taglio in alto cort. hc. arriba	1mm	NL 950.01	NL 950.11	NL 950.21
	2mm	NL 950.02	NL 950.12	NL 950.22
	3mm	NL 950.03	NL 950.13	NL 950.23
	4mm	NL 950.04	NL 950.14	NL 950.24
	5mm	NL 950.05	NL 950.15	NL 950.25
	6mm	NL 950.06	NL 950.16	NL 950.26

130°	Maulbreite Bite size Larghezza del morso Anchura de la boca	11cm	15cm	18cm
 aufwärts upbiting taglio in alto cort. hc. arriba	1mm	NL 951.01	NL 951.11	NL 951.21
	2mm	NL 951.02	NL 951.12	NL 951.22
	3mm	NL 951.03	NL 951.13	NL 951.23
	4mm	NL 951.04	NL 951.14	NL 951.24
	5mm	NL 951.05	NL 951.15	NL 951.25
	6mm	NL 951.06	NL 951.16	NL 951.26

130° Dünne Fußplatte / Thin Footplate	Maulbreite Bite size Larghezza del morso Anchura de la boca	11cm	15cm	18cm
 aufwärts upbiting taglio in alto cort. hc. arriba	1mm	NL 952.01	NL 952.11	NL 952.21
	2mm	NL 952.02	NL 952.12	NL 952.22
	3mm	NL 952.03	NL 952.13	NL 952.23
	4mm	NL 952.04	NL 952.14	NL 952.24
	5mm	NL 952.05	NL 952.15	NL 952.25
	6mm	NL 952.06	NL 952.16	NL 952.26

Bajonette Kerrison Laminektomiestanze, 90°, aufwärts, kleiner Griff
 Bayonet Kerrison Laminectomy Punch, 90°, upbiting, small handle
 Kerrison Baionetta Pinza per Laminectomia, 90°, verso l'alto, manico piccolo
 Kerrison Bayoneta Pinza para Laminectomía, 90°, hacia arriba, mango pequeño



90°

 aufwärts
 upbiting
 taglio in alto
 cort. hc. arriba

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

1mm
 2mm
 3mm
 4mm
 5mm
 6mm

11cm
 NL 953.01
 NL 953.02
 NL 953.03
 NL 953.04
 NL 953.05
 NL 953.06

links / left / a sinistra / izquierda

15cm
 NL 953.11
 NL 953.12
 NL 953.13
 NL 953.14
 NL 953.15
 NL 953.16

18cm
 NL 953.21
 NL 953.22
 NL 953.23
 NL 953.24
 NL 953.25
 NL 953.26

90°

 aufwärts
 upbiting
 taglio in alto
 cort. hc. arriba

Maulbreite
 Bite size
 Larghezza del morso
 Anchura de la boca

1mm
 2mm
 3mm
 4mm
 5mm
 6mm

11cm
 NL 954.01
 NL 954.02
 NL 954.03
 NL 954.04
 NL 954.05
 NL 954.06

rechts / right / a destra / derecha

15cm
 NL 954.11
 NL 954.12
 NL 954.13
 NL 954.14
 NL 954.15
 NL 954.16

18cm
 NL 954.21
 NL 954.22
 NL 954.23
 NL 954.24
 NL 954.25
 NL 954.26



Die Laminektomiestanzen sind in seidenmatt oder **schwarz** keramik beschichtet bestellbar, sowie mit oder ohne **Auswerfer**. Wenn Sie schwarz beschichtet bestellen möchten, ersetzen Sie bitte den "." durch ein "B", wenn Sie mit Auswerfer bestellen möchten, fügen Sie bitte der Sachnummer am Ende ein "E" hinzu.
 Beispiele: NL 953B02, NL 954.14E, NL 953B23E

Weitere Größen und Längen sind auf Anfrage als Sonderanfertigung möglich!



Laminektomiestanzen - KERRISON
Laminectomy Punches - KERRISON
Pinze per Laminectomia - KERRISON
Pinzas para Laminectomía - KERRISON

Bajonette Kerrison Laminektomiestanze, 130°, aufwärts, kleiner Griff

Bayonet Kerrison Laminectomy Punch, 130°, upbiting, small handle

Kerrison Baionetta Pinza per Laminectomia, 130°, verso l'alto, manico piccolo

Kerrison Bayoneta Pinza para Laminectomía, 130°, hacia arriba, mango pequeño



Laminectomy Punches & Rongeurs

130°

aufwärts
upbiting
taglio in alto
cort. hc. arriba

Maulbreite
Bite size
Larghezza del morso
Anchura de la boca

links / left / a sinistra / izquierda

rechts / right / a destra / derecha

11cm

15cm

18cm

11cm

15cm

18cm

1mm	NL 955.01	NL 955.11	NL 955.21	NL 956.01	NL 956.11	NL 956.21
2mm	NL 955.02	NL 955.12	NL 955.22	NL 956.02	NL 956.12	NL 956.22
3mm	NL 955.03	NL 955.13	NL 955.23	NL 956.03	NL 956.13	NL 956.23
4mm	NL 955.04	NL 955.14	NL 955.24	NL 956.04	NL 956.14	NL 956.24
5mm	NL 955.05	NL 955.15	NL 955.25	NL 956.05	NL 956.15	NL 956.25
6mm	NL 955.06	NL 955.16	NL 955.26	NL 956.06	NL 956.16	NL 956.26

130°
Dünne Fußplatte
Thin Footplate
Sollito "footplate"
delgado "footplate"

Maulbreite
Bite size
Larghezza del morso
Anchura de la boca

links / left / a sinistra / izquierda

rechts / right / a destra / derecha

11cm

15cm

18cm

11cm

15cm

18cm

aufwärts
upbiting
taglio in alto
cort. hc. arriba

1mm	NL 957.01	NL 957.11	NL 957.21	NL 958.01	NL 958.11	NL 958.21
2mm	NL 957.02	NL 957.12	NL 957.22	NL 958.02	NL 958.12	NL 958.22
3mm	NL 957.03	NL 957.13	NL 957.23	NL 958.03	NL 958.13	NL 958.23
4mm	NL 957.04	NL 957.14	NL 957.24	NL 958.04	NL 958.14	NL 958.24
5mm	NL 957.05	NL 957.15	NL 957.25	NL 958.05	NL 958.15	NL 958.25
6mm	NL 957.06	NL 957.16	NL 957.26	NL 958.06	NL 958.16	NL 958.26



All Laminectomy Punches are available in matt finish or with **black** ceramic coating, as well as with or without **ejector**.

If you want to order black, please take a "**B**" instead of a ".", if you want to order with ejector, please add an "**E**" at the end of the code number.

Example: NL 955B02, NL 956.14E, NL 957B13E

Further sizes and lengths are available in custom-made version on request!


Depot Kerrison Laminektomiestanze, aufwärts, kleiner Griff, mehrfache Maulkammer

Depot Kerrison Laminectomy Punch, upbiting, small handle, multiple-bite chamber

Depot Kerrison Pinza per Laminectomia, verso l'alto, manico piccolo, con morso-multiplo camere

Depot Kerrison Pinza para Laminectomía, hacia arriba, mango pequeño, con boca múltiple cámara



130°	Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm	20cm
 aufwärts upbiting taglio in alto cort. hc. arriba	2mm	NL 944.02	NL 944.12
	3mm	NL 944.03	NL 944.13
	4mm	NL 944.04	NL 944.14
	5mm	NL 944.05	NL 944.15



Die Laminektomiestanzen sind in seidenmatt oder **schwarz** keramik beschichtet bestellbar, sowie mit oder ohne **Auswerfer**.

Wenn Sie schwarz beschichtet bestellen möchten, ersetzen Sie bitte den "." durch ein "B", wenn Sie mit Auswerfer bestellen möchten, fügen Sie bitte der Sachnummer am Ende ein "E" hinzu.

Beispiele: NL 944B02, NL 944.14E, NL 944B12E

Weitere Größen und Längen sind auf Anfrage als Sonderanfertigung möglich!



Foraminotomy Stanze
Foraminotomy Punch
Pinze per Foramintomia
Pinzas para Foramintomía

Foraminotomy Stanze, Schaft aufgebogen & abgebogen, kleiner Griff

Foraminotomy Punch, up & down curved shaft, small handle

Pinza per Foramintomia, curva verso l'alto e verso il basso, manico piccolo

Pinzas para Foramintomía, curvada hacia arriba y hacia abajo, mango pequeño



aufwärts gebogen
curved up
curva verso l'alto
curvada hacia arriba

Maulbreite
Bite size
Larghezza del morso
Anchura de la boca

2mm
 3mm
 4mm
 5mm

18cm

20cm

NL 945.02
 NL 945.03
 NL 945.04
 NL 945.05

NL 945.12
 NL 945.13
 NL 945.14
 NL 945.15



abwärts gebogen
curved down
curva verso il basso
curvada hacia abajo

Maulbreite
Bite size
Larghezza del morso
Anchura de la boca

2mm
 3mm
 4mm

18cm

20cm

NL 946.02
 NL 946.03
 NL 946.04

NL 946.12
 NL 946.13
 NL 946.14



All Laminectomy Punches are available in matt finish or with **black** ceramic coating, as well as with or without **ejector**.

If you want to order black, please take a **"B"** instead of a **"."**, if you want to order with ejector, please add an **"E"** at the end of the code number.

Example: NL 945B02, NL 946.14E, NL 945B13E

Further sizes and lengths are available in custom-made version on request!

Keilbeinstanze
Sphenoid Bone Punch
 Pinze taglianti per seno sfenoidale
 Pinzas sacabocadas para esfenoides



Hajek Keilbeinstanze
Hajek Sphenoid Bone Punch
 Pinza taglianti per seno sfenoidale
Pinza sacabocadas para esfenoides



90°



aufwärts
upbiting
 taglio in alto
cort. hc. arriba

Größe / Size / Misura / Tamaño

14cm

klein / *small* / piccola / *pequeño*
 groß / *large* / grande / *largo*

RL 340.03
 RL 340.13

90°



abwärts
downbiting
 taglio in basso
cort. hc. abajo

Größe / Size / Misura / Tamaño

14cm

klein / *small* / piccola / *pequeño*
 groß / *large* / grande / *largo*

RL 341.03
 RL 341.13



Die Laminektomiestanzen sind in seidenmatt oder **schwarz** keramik beschichtet bestellbar, sowie mit oder ohne **Auswerfer**. Wenn Sie schwarz beschichtet bestellen möchten, ersetzen Sie bitte den “.” durch ein “**B**”, wenn Sie mit Auswerfer bestellen möchten, fügen Sie bitte der Sachnummer am Ende ein “**E**” hinzu.
 Beispiele: RL 340B03, RL 341.13E, RL 341B03E

Weitere Größen und Längen sind auf Anfrage als Sonderanfertigung möglich!



Hyophysenzangen
Pituitary Rongeur
Pinze per Ipofise
Pinzas para Hipofisis





Oldberg Hypophysenzange
Oldberg Pituitary Rongeur
 Oldberg Pinza per Ipofise
Oldberg Pinza para Hipofisis



Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	18cm
6mm	NL 996.86
7mm	NL 996.87
8mm	NL 996.88
9mm	NL 996.89

Yasargil / Landolt Hypophysenzange
Yasargil / Landolt Pituitary Rongeur
 Yasargil / Landolt Pinza per Ipofise
Yasargil / Landolt Pinza para Hipofisis



Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	18cm (Yasargil)	
	2,2 mm	NL 996.92
	3,0 mm	NL 996.93
	3,5 mm	NL 996.94
	20cm (Landolt)	
	9,0 mm	NL 996.99

Wagner Zange, scharf, kräftiges Modell
 Wagner Rongeur, sharp, heavy pattern
 Wagner Pinza, affilata, modello forte
 Wagner Pinza, afilada, modelo fuerte



20cm
 NL 999.20

Peapod Zange - Maullänge 6mm, 40° aufgebogen
 Peapod Rongeur - 6mm jaw length, curved up 40°
 Peapod Pinza - lunghezza del morso 6mm, 40° curva verso l'alto
 Peapod Pinza - longitud de la boca 6mm, 40° curvo hacia arriba



Maulbreite
Bite size
Larghezza del morso
Anchura de la boca

	13cm	16cm
1mm	NL 931.01	NL 931.11
1,5mm	NL 931.07	NL 931.17
2mm	NL 931.02	NL 931.12
2,5mm	NL 931.08	NL 931.18
3mm	NL 931.03	NL 931.13
4mm	NL 931.04	NL 931.14
5mm	NL 931.05	NL 931.15
6mm	NL 931.06	NL 931.16



Rongeur
 Rongeurs
 Rongeur
 Rongeur

Love-Gruenwald Laminektomiezange, sehr kräftiges Modell
 Love-Gruenwald Laminectomy Rongeur, very heavy pattern

Love-Gruenwald Rongeur, modello forte
 Love-Gruenwald Rongeur, modelo fuerte



Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm		
	gerade straight retta recta	aufwärts gebogen curved up curva verso l'alto curva hacia arriba	abwärts gebogen curved down curva verso il basso curva hacia abajo
2,5mm	NL 994.72	NL 995.72	NL 996.72
3mm	NL 994.73	NL 995.73	NL 996.73
4mm	NL 994.74	NL 995.74	NL 996.74

Gruenwald Zange, gerade
 Gruenwald Rongeur, straight jaws
 Gruenwald Rongeur, retta
 Gruenwald Rongeur, recto



Maulbreite Bite size Larghezza del morso Anchura de la boca	gerade / straight / retta / recto					
	13cm	18cm	23cm	25cm	28cm	30cm
1mm	NL 994.01	NL 994.11	NL 994.21	NL 994.31	NL 994.41	NL 994.51
1,5mm	NL 994.07	NL 994.17	NL 994.27	NL 994.37	NL 994.47	NL 994.57
2mm	NL 994.02	NL 994.12	NL 994.22	NL 994.32	NL 994.42	NL 994.52
2,5mm	NL 994.08	NL 994.18	NL 994.28	NL 994.38	NL 994.48	NL 994.58
3mm	NL 994.03	NL 994.13	NL 994.23	NL 994.33	NL 994.43	NL 994.53
4mm	NL 994.04	NL 994.14	NL 994.24	NL 994.34	NL 994.44	NL 994.54
5mm	NL 994.05	NL 994.15	NL 994.25	NL 994.35	NL 994.45	NL 994.55
6mm	NL 994.06	NL 994.16	NL 994.26	NL 994.36	NL 994.46	NL 994.56

Gruenwald Zange, aufwärts / abwärts gebogen 30°

Gruenwald Rongeur, curved up / down 30°

Gruenwald Rongeur, curva verso l'alto / curva verso il basso 30°

Gruenwald Rongeur, curvado hacia arriba / curvado hacia abajo 30°



aufwärts gebogen / curved up / curva verso l'alto / curvado hacia arriba

Maulbreite Bite size Larghezza del morso Anchura de la boca	13cm	18cm	23cm	25cm	28cm	30cm
1mm	NL 995.01	NL 995.11	NL 995.21	NL 995.31	NL 995.41	NL 995.51
1,5mm	NL 995.07	NL 995.17	NL 995.27	NL 995.37	NL 995.47	NL 995.57
2mm	NL 995.02	NL 995.12	NL 995.22	NL 995.32	NL 995.42	NL 995.52
2,5mm	NL 995.08	NL 995.18	NL 995.28	NL 995.38	NL 995.48	NL 995.58
3mm	NL 995.03	NL 995.13	NL 995.23	NL 995.33	NL 995.43	NL 995.53
4mm	NL 995.04	NL 995.14	NL 995.24	NL 995.34	NL 995.44	NL 995.54
5mm	NL 995.05	NL 995.15	NL 995.25	NL 995.35	NL 995.45	NL 995.55
6mm	NL 995.06	NL 995.16	NL 995.26	NL 995.36	NL 995.46	NL 995.56

abwärts gebogen / curved down / curva verso il basso / curvado hacia abajo

Maulbreite Bite size Larghezza del morso Anchura de la boca	13cm	18cm	23cm	25cm	28cm	30cm
1mm	NL 996.01	NL 996.11	NL 996.21	NL 996.31	NL 996.41	NL 996.51
1,5mm	NL 996.07	NL 996.17	NL 996.27	NL 996.37	NL 996.47	NL 996.57
2mm	NL 996.02	NL 996.12	NL 996.22	NL 996.32	NL 996.42	NL 996.52
2,5mm	NL 996.08	NL 996.18	NL 996.28	NL 996.38	NL 996.48	NL 996.58
3mm	NL 996.03	NL 996.13	NL 996.23	NL 996.33	NL 996.43	NL 996.53
4mm	NL 996.04	NL 996.14	NL 996.24	NL 996.34	NL 996.44	NL 996.54
5mm	NL 996.05	NL 996.15	NL 996.25	NL 996.35	NL 996.45	NL 996.55
6mm	NL 996.06	NL 996.16	NL 996.26	NL 996.36	NL 996.46	NL 996.56

Gruenwald Zange
Gruenwald Rongeur
Gruenwald Rongeur
Gruenwald Rongeur



15,5cm

Maulbreite Bite size Larghezza del morso Anchura de la boca	gerade straight retta recto	aufwärts gebogen curved up curva verso l'alto curvado hacia arriba	abwärts gebogen curved down curva verso il basso curvado hacia abajo
1mm	NL 997.01	NL 997.11	NL 997.21
1,5mm	NL 997.07	NL 997.17	NL 997.27
2mm	NL 997.02	NL 997.12	NL 997.22
2,5mm	NL 997.08	NL 997.18	NL 997.28
3mm	NL 997.03	NL 997.13	NL 997.23
4mm	NL 997.04	NL 997.14	NL 997.24
5mm	NL 997.05	NL 997.15	NL 997.25
6mm	NL 997.06	NL 997.16	NL 997.26

Matthieu Fremdkörperzange
Matthieu Foreign body forceps
Matthieu Pinza per corpi estanei
Matthieu Pinza para cuerpo extraño



20cm
NL 999.60

28cm
NL 999.68

Caspar Zange, gefenstert, gezahnt
Caspar Rongeur, fenestrated, jaws with teeth
 Caspar Rongeur, finestrato, dentellato
Caspar Rongeur, fenestrado, con dientes



Maulbreite Bite size Larghezza del morso Anchura de la boca	gerade straight retta recto			aufwärts gebogen curved up curva verso l'alto curvado hacia arriba		
	14cm	16cm	18cm	14cm	16cm	18cm
2mm	NL 997.32	NL 997.42	NL 997.52	NL 998.02	NL 998.12	NL 998.22
3mm	NL 997.33	NL 997.43	NL 997.53	NL 998.03	NL 998.13	NL 998.23
4mm	NL 997.34	NL 997.44	NL 997.54	NL 998.04	NL 998.14	NL 998.24
5mm	NL 997.35	NL 997.45	NL 997.55	NL 998.05	NL 998.15	NL 998.25
6mm	NL 997.36	NL 997.46	NL 997.56	NL 998.06	NL 998.16	NL 998.26

Maulbreite Bite size Larghezza del morso Anchura de la boca	abwärts gebogen curved down curva verso il basso curvado hacia abajo			abwärts gebogen (umgedrehtes Maul) curved down (reversed jaw) curva verso il basso (capovolto muso) curvado hacia abajo (voltear boca)		
	14cm	16cm	18cm	14cm	16cm	18cm
2mm	NL 998.32	NL 998.42	NL 998.52	NL 998.62	NL 998.72	NL 998.82
3mm	NL 998.33	NL 998.43	NL 998.53	NL 998.63	NL 998.73	NL 998.83
4mm	NL 998.34	NL 998.44	NL 998.54	NL 998.64	NL 998.74	NL 998.84
5mm	NL 998.35	NL 998.45	NL 998.55	NL 998.65	NL 998.75	NL 998.85
6mm	NL 998.36	NL 998.46	NL 998.56	NL 998.66	NL 998.76	NL 998.86

Schlesinger Laminektomiezeange, gerieftes Maul
Schlesinger Laminectomy Rongeur, serrated jaws
Schlesinger Pinza per laminectomia, morso zigrinato
Schlesinger Pinza para laminectomiá, boca estriada



Maulbreite Bite size Larghezza del morso Anchura de la boca	13cm	16cm	18cm
1mm	NL 901.01	NL 901.11	NL 901.21
1,5mm	NL 901.07	NL 901.17	NL 901.27
2mm	NL 901.02	NL 901.12	NL 901.22
2,5mm	NL 901.08	NL 901.18	NL 901.28
3mm	NL 901.03	NL 901.13	NL 901.23
4mm	NL 901.04	NL 901.14	NL 901.24
5mm	NL 901.05	NL 901.15	NL 901.25
6mm	NL 901.06	NL 901.16	NL 901.26

Schlesinger Laminektomiezeange, sehr kräftiges Modell, gerieftes Maul
Schlesinger Laminectomy Rongeur, very heavy pattern, serrated jaws
Schlesinger Pinza per laminectomia, modello forte, morso zigrinato
Schlesinger Pinza para laminectomiá, modelo fuerte, boca estriada



Maulbreite Bite size Larghezza del morso Anchura de la boca	18cm
2,5mm	NL 901.42
3mm	NL 901.43
4mm	NL 901.44

Weil Blakesley Zange
 Weil Blakesley Rongeur
 Weil Blakesley Pinza
 Weil Blakesley Pinza



gerade / straight / retta / recta

Maulbreite Bite size Larghezza del morso Anchura de la boca	13cm	16cm	18cm
2mm	RL 257.02	RL 257.12	RL 257.22
2,5mm	RL 257.07	RL 257.17	RL 257.27
3mm	RL 257.03	RL 257.13	RL 257.23
4mm	RL 257.04	RL 257.14	RL 257.24
5mm	RL 257.05	RL 257.15	RL 257.25
6mm	RL 257.06	RL 257.16	RL 257.26

aufwärts gebogen / curved up / curva verso l'alto / curvada hacia arriba

Maulbreite Bite size Larghezza del morso Anchura de la boca	13cm	16cm	18cm
2mm	RL 257.32	RL 257.42	RL 257.52
2,5mm	RL 257.37	RL 257.47	RL 257.57
3mm	RL 257.33	RL 257.43	RL 257.53
4mm	RL 257.34	RL 257.44	RL 257.54
5mm	RL 257.35	RL 257.45	RL 257.55
6mm	RL 257.36	RL 257.46	RL 257.56

abwärts gebogen / curved down / curva verso il basso / curvada hacia abajo

Maulbreite Bite size Larghezza del morso Anchura de la boca	13cm	16cm	18cm
2mm	RL 257.62	RL 257.72	RL 257.82
2,5mm	RL 257.67	RL 257.77	RL 257.87
3mm	RL 257.63	RL 257.73	RL 257.83
4mm	RL 257.64	RL 257.74	RL 257.84
5mm	RL 257.65	RL 257.75	RL 257.85
6mm	RL 257.66	RL 257.76	RL 257.86



Hoen Nasenzange, scharf
Hoen Nasal Cutting Forceps, sharp
Hoen Pinza taglienti per il naso
Hoen Pinza sacabocadas para la nariz



13cm
RL 290.13

Ferris-Smith Laminektomiezeange, scharfe Löffel
Ferris-Smith Laminectomy Forceps, cutting cup
Ferris-Smith Pinza per laminectomia, cucchiaio affilata
Ferris-Smith Pinza para laminectomiá, cuchara afilada



17cm

Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	gerade <i>straight</i> retta <i>recta</i>	aufwärts gebogen <i>curved up</i> curva verso l'alto <i>curvada hacia arriba</i>	abwärts gebogen <i>curved down</i> curva verso il basso <i>curvada hacia abajo</i>
2,5mm	RL 364.02	RL 364.12	RL 364.22
3mm	RL 364.03	RL 364.13	RL 364.23
4mm	RL 364.04	RL 364.14	RL 364.24





WIBELSÄULENINSTRUMENTE & IMPLANTATE
SPINE INSTRUMENTS & IMPLANTS



STRUMENTI PER COLONNA VERTEBRALE & IMPIANTATI
INSTRUMENTAL PARA COLUMNNA VERTEBRAL & IMPLANTES



CLOWARD
ND 673.15
 150mm / 6"



CLOWARD
ND 673.53 - ND 673.63

Arbeitslänge
Working length
 Lunghezza lavorativa
 Longitud de trabajo

ND 673.53	30mm
ND 673.55	50mm
ND 673.56	60mm
ND 673.57	75mm
ND 673.59	90mm
ND 673.63	127mm



CLOWARD
ND 674.16
 150mm / 6 1/2"



CLOWARD
ND 674.53 - ND 674.59

Arbeitslänge
Working length
 Lunghezza lavorativa
 Longitud de trabajo

ND 674.53	30mm
ND 674.55	50mm
ND 674.56	60mm
ND 674.57	75mm
ND 674.59	90mm



INGE
ND 675.17
 170mm / 6³/₄"



INGE
ND 676.27
 270mm / 10¹/₂"



MEYERDING
ND 677.01 - ND 677.03
 170mm / 6³/₄"

ND 677.01 170mm / 6 ³ / ₄ "	25x57mm
ND 677.02 170mm / 6 ³ / ₄ "	25x51mm
ND 677.03 170mm / 6 ³ / ₄ "	25x41mm





SCHUL
 ND 667.01 - ND 668.24
 170mm / 6³/₄"

SCHUL

ND 667.01 170mm / 6 ³ / ₄ "	40x10mm	
ND 667.02 170mm / 6 ³ / ₄ "	50x10mm	
ND 667.03 170mm / 6 ³ / ₄ "	60x10mm	links
ND 667.04 170mm / 6 ³ / ₄ "	70x10mm	left
ND 667.22 170mm / 6 ³ / ₄ "	50x20mm	sinistra
ND 667.23 170mm / 6 ³ / ₄ "	60x20mm	izquierda
ND 667.24 170mm / 6 ³ / ₄ "	70x20mm	

SCHUL

ND 668.01 170mm / 6 ³ / ₄ "	40x10mm	
ND 668.02 170mm / 6 ³ / ₄ "	50x10mm	
ND 668.03 170mm / 6 ³ / ₄ "	60x10mm	rechts
ND 668.04 170mm / 6 ³ / ₄ "	70x10mm	right
ND 668.22 170mm / 6 ³ / ₄ "	50x20mm	destra
ND 668.23 170mm / 6 ³ / ₄ "	60x20mm	derecha
ND 668.24 170mm / 6 ³ / ₄ "	70x20mm	



WILLIAMS
 ND 670.01 - ND 671.06
 200mm / 8"

WILLIAMS

ND 670.01 200mm / 8"	50x10mm	
ND 670.02 200mm / 8"	50x20mm	
ND 670.03 200mm / 8"	60x10mm	links
ND 670.04 200mm / 8"	60x20mm	left
ND 670.05 200mm / 8"	70x10mm	sinistra
ND 670.06 200mm / 8"	70x20mm	izquierda

WILLIAMS

ND 671.01 200mm / 8"	50x10mm	
ND 671.02 200mm / 8"	50x20mm	
ND 671.03 200mm / 8"	60x10mm	rechts
ND 671.04 200mm / 8"	60x20mm	right
ND 671.05 200mm / 8"	70x10mm	destra
ND 671.06 200mm / 8"	70x20mm	derecha



HEY
ND 950.01
 230mm / 9"

Spreizer allein
Retractor only
 Divaricatore solo
Separador suelto

HEY
ND 950.00
 230mm / 9"

Komplettes System: ND 950.00
Complete System:
 Sistema completo: + ND 951.40 - ND 951.70
Sistema completo: + ND 952.32 - ND 952.62



Valve, scharf
Blade, sharp
 Valva, acuta
Valva, aguda

ND 951.40	20x40mm
ND 951.50	20x50mm
ND 951.60	20x60mm
ND 951.70	20x70mm



Wirbeldorn
Spinous pins
 Gancio spinale
Gancho espinal

ND 952.32	32mm
ND 952.37	37mm
ND 952.53	53mm
ND 952.62	62mm



Wirbelkörperspreizer, cervical
Lamina Spreaders, cervical
 Divaricatore vertebrale, cervical
 Separadores para cuerpos vertebrales, cervical



schwarz beschichtet
black coated
superficie nera
recubrir negra



ND 956.40	40mm
ND 956.45	45mm
ND 956.50	50mm
ND 956.55	55mm
ND 956.60	60mm
ND 956.65	65mm
ND 956.70	70mm

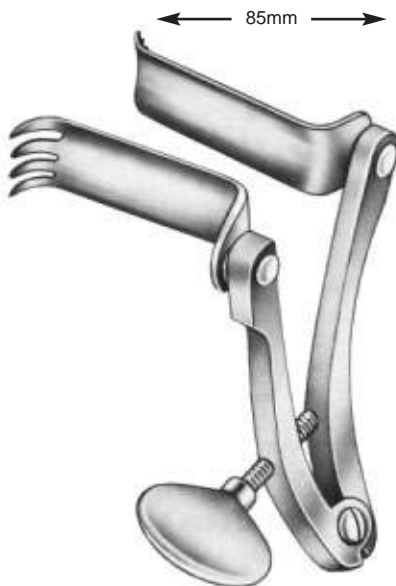
Komplettes System:
Complete System:
 Sistema completo:
 Sistema completo:

ND 956.01
 + ND 956.40 - ND 956.70
 (7 Blätter/Blades/Valve/Valvas)

CASPAR
ND 956.00
 170mm / 6³/₄"

CASPAR
ND 956.01
 170mm / 6³/₄"

Gegensperrer allein mit 1 festen Blatt
Retractor only with 1 fixed blade
 Divaricatore solo con 1 valva fissa
 Separador suelto con 1 valva fija



Komplettes System:
Complete System:
 Sistema completo:
 Sistema completo:

ND 966.01
 + ND 971.40 - ND 971.60 (medial)
 (5 Blätter/Blades/Valve/Valvas)
 + ND 972.40 - ND 972.60 (lateral)
 (5 Blätter/Blades/Valve/Valvas)

CASPAR
ND 960.00
 110mm / 4¹/₈"

CASPAR
ND 960.01
 110mm / 4¹/₈"

Sperrer allein
Retractor only
 Divaricatore solo
 Separador suelto



Komplettes System:
Complete System:
 Sistema completo:
 Sistema completo:

ND 961.01
 + ND 973.45 - ND 973.65
 (5 Blätter/Blades/Valve/Valvas)

CASPAR
ND 961.00
 110mm / 4¹/₈"

CASPAR
ND 961.01
 110mm / 4¹/₈"

Sperrer allein
Retractor only
 Divaricatore solo
 Separador suelto

Wirbelkörperspreizer, cervical
Lamina Spreaders, cervical
 Divaricatore vertebrale, cervical
 Separadores para cuerpos vertebrales, cervical



Komplettes System:
Complete System:
 Sistema completo:
Sistema completo:

ND 963.01
 + ND 973.45 - ND 973.65
 (5 Blätter/*Blades/Valve/Valvas*)

CASPAR
ND 963.00
 115mm / 4½"

CASPAR
ND 963.01
 165mm / 6½"

Sperrer allein
Retractor only
 Divaricatore solo
Separador suelto



Komplettes System:
Complete System:
 Sistema completo:
Sistema completo:

ND 966.01
 + ND 971.40 - ND 971.60 (medial)
 (5 Blätter/*Blades/Valve/Valvas*)
 + ND 972.40 - ND 972.60 (lateral)
 (5 Blätter/*Blades/Valve/Valvas*)

CASPAR
ND 966.00
 120mm / 4¾"

CASPAR
ND 966.01
 120mm / 4¾"

Sperrer allein
Retractor only
 Divaricatore solo
Separador suelto



mediale Blätter
medial blades
 valve medial
 valvas medial



- ND 971.40 40x23mm
- ND 971.45 45x23mm
- ND 971.50 50x23mm
- ND 971.55 55x23mm
- ND 971.60 60x23mm

laterale Blätter
lateral blades
 valve lateral
 valvas lateral



- ND 972.40 40x23mm
- ND 972.45 45x23mm
- ND 972.50 50x23mm
- ND 972.55 55x23mm
- ND 972.60 60x23mm

stumpfe Blätter
blunt blades
 valve smussa
 valvas roma



- ND 973.40 40x23mm
- ND 973.45 45x23mm
- ND 973.50 50x23mm
- ND 973.55 55x23mm
- ND 973.60 60x23mm

stumpfe Blätter
blunt blades
 valve smussa
 valvas roma



- ND 974.50 50x25mm
- ND 974.60 60x25mm

zur Spanentnahme am Beckenkamm
for taking the fusion graft from the iliac crest
 prelievo della cresta iliaca
 para reducir la tensión de la cresta iliaca

Blätter, zu verwenden mit ND 960.01, ND 961.01, ND 963.01 und ND 966.01.
Blades, to be used with ND 960.01, ND 961.01, ND 963.01 and ND 966.01.
 Valve da usare con ND 960.01, ND 961.01, ND 963.01 e ND 966.01.
 Valvas, para usar con ND 960.01, ND 961.01, ND 963.01 y ND 966.01.

Wirbelkörperspreizer TITAN, cervical
Lamina Spreaders TITAN, cervical
Divaricatore vertebrale TITAN, cervical
Separadores para cuerpos vertebrales TITAN, cervical



mediale Blätter, TITAN
medial blades, TITAN
 valve medial, TITAN
valvas medial, TITAN



ND 975T25	25x25mm	ND 975T50	50x25mm
ND 975T30	30x25mm	ND 975T55	55x25mm
ND 975T35	35x25mm	ND 975T60	60x25mm
ND 975T40	40x25mm	ND 975T65	65x25mm
ND 975T45	45x25mm	ND 975T70	70x25mm

laterale Blätter, TITAN
lateral blades, TITAN
 valve lateral, TITAN
valvas lateral, TITAN



ND 976T25	25x25mm	ND 976T50	50x25mm
ND 976T30	30x25mm	ND 976T55	55x25mm
ND 976T35	35x25mm	ND 976T60	60x25mm
ND 976T40	40x25mm	ND 976T65	65x25mm
ND 976T45	45x25mm	ND 976T70	70x25mm

stumpfe Blätter, TITAN
blunt blades, TITAN
 valve smussa, TITAN
valvas roma, TITAN



ND 977T30	30x25mm	ND 977T55	55x25mm
ND 977T35	35x25mm	ND 977T60	60x25mm
ND 977T40	40x25mm	ND 977T65	65x25mm
ND 977T45	45x25mm	ND 977T70	70x25mm
ND 977T50	50x25mm	ND 977T75	75x25mm



NB 990.11
 110mm / 4 1/8"

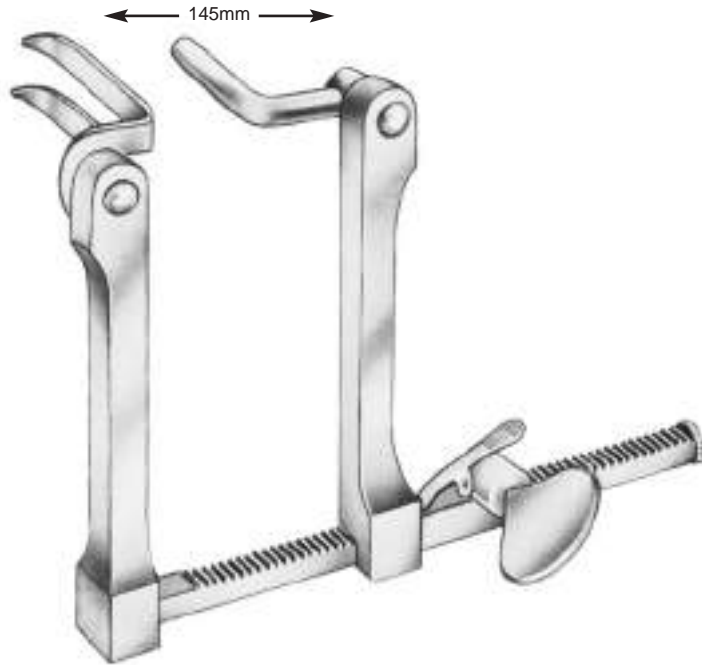
Blätter-Wechselpinzette
Blade ejector
 Pinza per cambiare le valve
 Pinza para cambiar las valvas

Blätter, zu verwenden mit ND 960.01, ND 961.01, ND 963.01 und ND 966.01.
Blades, to be used with ND 960.01, ND 961.01, ND 963.01 and ND 966.01.
 Valve da usare con ND 960.01, ND 961.01, ND 963.01 e ND 966.01.
 Valvas, para usar con ND 960.01, ND 961.01, ND 963.01 y ND 966.01.





Wirbelkörperspreizer
Lamina Spreaders
Divaricatore vertebrale
Separadores para cuerpos vertebrales



**CASPAR
ND 965.01**
150mm / 6"

Sperrer allein
Retractor only
Divaricatore solo
Separador suelto

Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

ND 965.01
+ ND 973.45 - ND 973.65
(2 Blätter/*Blades/Valve/Valvas*)

**CASPAR
ND 965.00**
150mm / 6"



**CASPAR
ND 968.01**
165mm / 6 1/2"

Sperrer allein
Retractor only
Divaricatore solo
Separador suelto

Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

ND 968.01
+ ND 968.02
+ ND 967.38
+ ND 968.40 - ND 968.60
(5 Blätter/*Blades/Valve/Valvas*)

**CASPAR
ND 968.00**
165mm / 6 1/2"



ND 968.02
165mm / 6 1/2"



ND 967.38 38mm



ND 967.58 58mm



ND 968.30 30x22mm

ND 968.35 35x22mm

ND 968.40 40x22mm

ND 968.45 45x22mm

ND 968.50 50x22mm

ND 968.55 55x22mm

ND 968.60 60x22mm

ND 968.65 65x22mm



ND 969.30 30x37mm

ND 969.35 35x37mm

ND 969.40 40x37mm

ND 969.45 45x37mm

ND 969.50 50x37mm

ND 969.55 55x37mm

ND 969.60 60x37mm

ND 969.65 65x37mm



ND 970.30 30x52mm

ND 970.35 35x52mm

ND 970.40 40x52mm

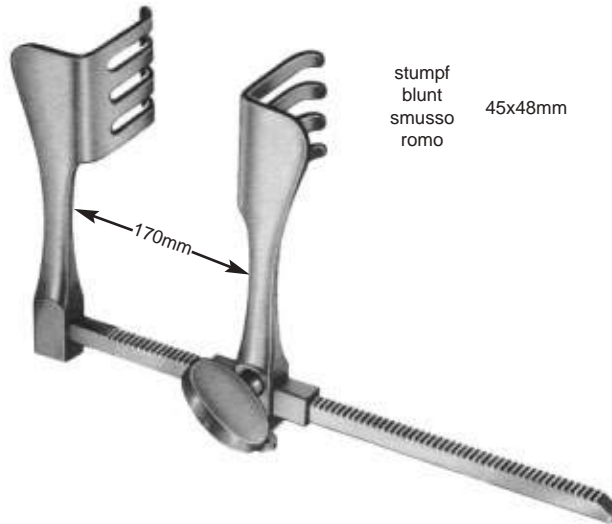
ND 970.45 45x52mm

ND 970.50 50x52mm

ND 970.55 55x52mm

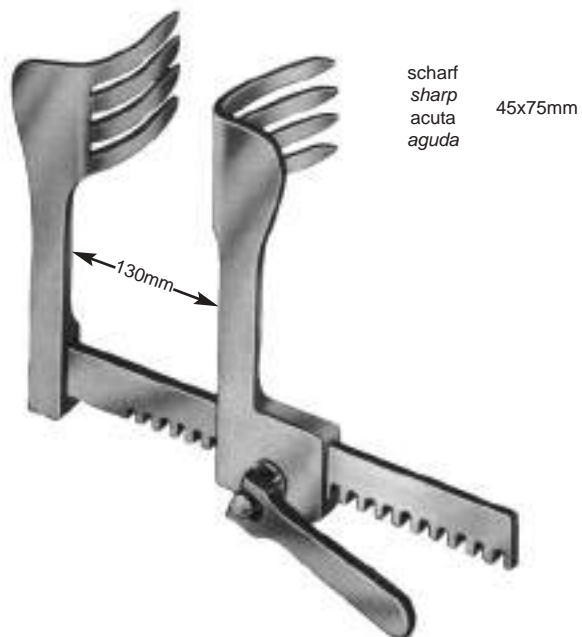
ND 970.60 60x52mm

ND 970.65 65x52mm



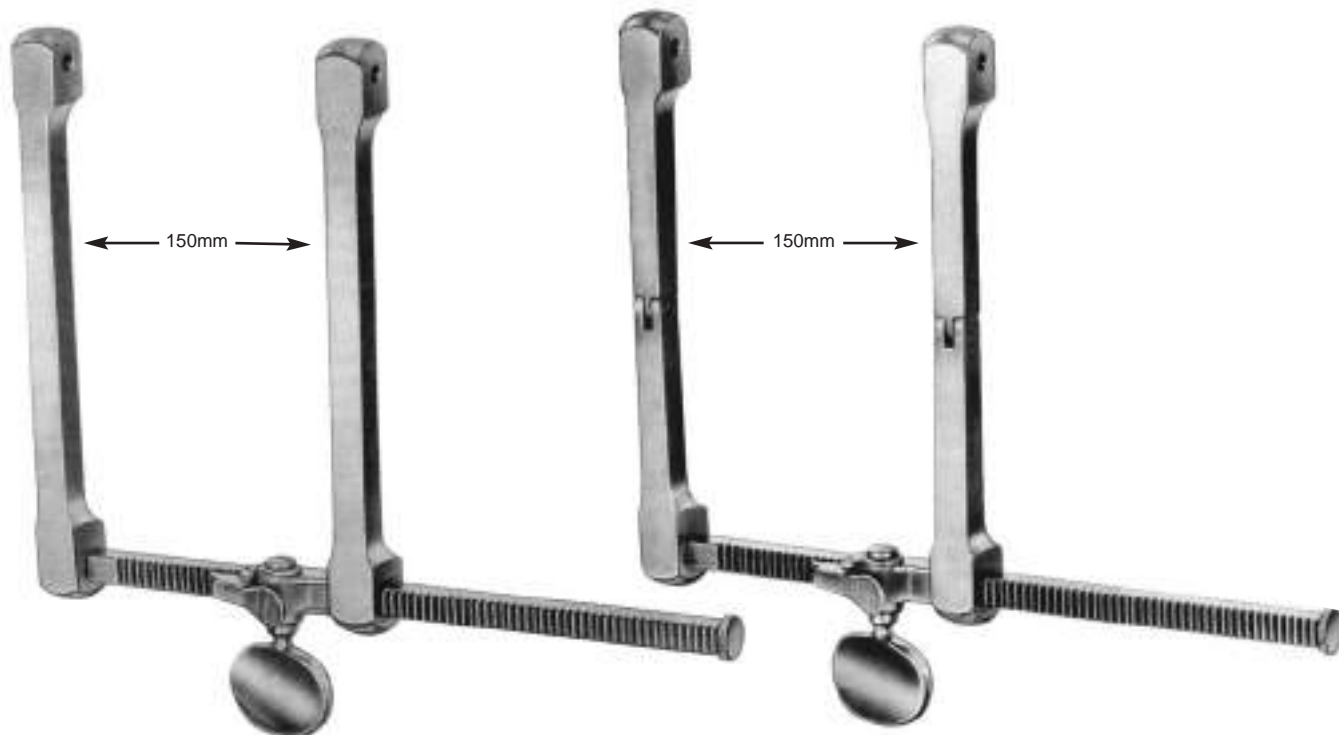
stumpf
blunt
smusso
romo 45x48mm

BADGLEY
ND 978.17



scharf
sharp
acuta
aguda 45x75mm

RANEY
ND 979.13



SCOVILLE
AD 906.00

Rahmen allein
 Frame only
 Telaio solo
 Cuadro suelto

SCOVILLE
AD 906.50

Rahmen allein
 Frame only
 Telaio solo
 Cuadro suelto



SCOVILLE
AD 906.01
 50mm / 2"



SCOVILLE
AD 906.02
 70mm / 2 3/4"



SCOVILLE
AD 906.06
 50mm / 2"



SCOVILLE
AD 906.07
 70mm / 2 3/4"



SCOVILLE
AD 906.11 // 64x25mm
AD 906.12 // 64x50mm
AD 906.13 // 88x25mm



SCOVILLE
AD 906.41 // 48x50mm
AD 906.42 // 64x50mm
AD 906.43 // 64x64mm
AD 906.44 // 80x57mm



SCOVILLE
AD 906.46 // 41x38mm
AD 906.47 // 67x44mm

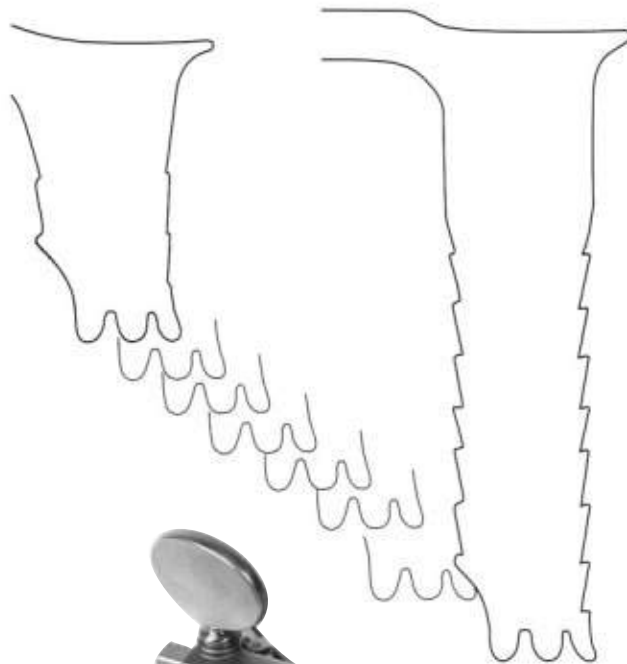




Spreizer zur lumbalen Mikrodissektomie
Spreader for micro lumbar Discectomy
 Divaricatore per micro discectomia lombare
 Separadores para micro discectomia lumbar



CASPAR
 ND 957.50



schwarz beschichtet
black coated
 superficie nero
 recubrimiento negro

ND 957.40	40x18mm
ND 957.45	45x18mm
ND 957.50	50x18mm
ND 957.55	55x18mm
ND 957.60	60x18mm
ND 957.65	65x18mm
ND 957.70	70x18mm
ND 957.75	75x18mm
ND 957.85	85x18mm



Beispiel:
 Example:
 Esempio:
 Ejemplo:

Spreizer zur lumbalen Mikrodissektomie
Spreader for micro lumbar Discectomy
Divaricatore per micro discectomia lumbare
Separadores para micro discectomia lumbare



CASPAR
ND 991.01

Gegensperrer allein
Retractor only
 Divaricatore solo
Separador suelto

Komplettes System:
Complete System:
 Sistema completo:
Sistema completo:

ND 991.01
 + ND 991.35 - ND 991.60
 (6 Blätter/*Blades/Valve/Valvas*)

CASPAR
ND 991.00

schwarz beschichtet
black coated
superficie nero
recubrimiento negro

Valven lateral
Blades lateral
 Valve lateral
Valvas lateral

schwarz beschichtet
black coated
superficie nero
recubrimiento negro

Valven medial
Blades medial
 Valve medial
Valvas medial



ND 991.35	35mm
ND 991.40	40mm
ND 991.45	45mm
ND 991.50	50mm
ND 991.55	55mm
ND 991.60	60mm
ND 991.65	65mm
ND 991.75	75mm
ND 991.85	85mm



ND 992.40	40mm
ND 992.45	45mm
ND 992.50	50mm
ND 992.55	55mm
ND 992.60	60mm
ND 992.65	65mm
ND 992.70	70mm

Wirbelkörper Distraktions-System
Vertebral Body Distraction System
Sistema distrazione para corpo vertebrale
Sistema de distracción para cuerpos vertebrales



CASPAR
ND 980.00

Wirbelkörper-Distraktor, zur anterioren cervicalen Verplattung, für rechtsseitigen Zugang zu C5-T1/2 und linksseitigen Zugang zur oberen HWS.

Vertebral Body Distractor for anterior cervical plating, for use in surgical procedures from the right approach for C5 through T1/2 and from the left approach for the upper cervical spine.

Divaricatore para corpo vertebrale, per posizionamento placche tramite accesso anteriore destro C 5-T1/2 e per vertebre cervicali alte tramite accesso sinistro.

Separador para cuerpos vebrales, para la fijación anterior cervical con placas, para acceso del lado derecho a C5-T1/2 y acceso del lado izquierdo a la columna vertebral cervical.

Komplettes System: ND 980.01
 Complete System: + NV 897.00
 Sistema completo: + NV 908.14
 Sistema completo: + NV 910.16 (2x)
 Sistema completo: + NV 912.20



CASPAR
ND 981.00

Wirbelkörper-Distraktor, zur anterioren cervicalen Verplattung, für linksseitigen Zugang zu C5-T1/2 und rechtsseitigen Zugang zur oberen HWS.

Vertebral Body Distractor for anterior cervical plating, for use in surgical procedures from the right approach for C5 through T1/2 and from the left approach for the upper cervical spine.

Divaricatore para corpo vertebrale, per posizionamento placche tramite accesso anteriore sinistro C5-T1/2 e per vertebre cervicali alte tramite accesso destro.

Separador para cuerpos vebrales, para la fijación anterior cervical con placas, para acceso del lado izquierdo a C5-T1/2 y acceso del lado derecho a la columna vertebral cervical.

Komplettes System: ND 981.01
 Complete System: + NV 907.00
 Sistema completo: + NV 908.14
 Sistema completo: + NV 910.16 (2x)
 Sistema completo: + NV 912.20



**CASPAR
ND 980.01**

Wirbelkörper-Distraktor, alleine, für rechtsseitigen Zugang zu C5-T1/2 und linksseitigen Zugang zur oberen HWS.

Vertebral Body Distractor, only, for use in surgical procedures from the right approach for C5 through T1/2 and from the left approach for the upper cervical spine.

Divaricatore para corpo vertebral, solo, per posizionamento placche tramite accesso anteriore destro C5-T1/2 e per vertebre cervicali alte tramite accesso sinistro.

Separador para cuerpos vertebrales, suelto, para acceso del lado derecho a C5/T1/2 y acceso del lado izquierdo a la columna vertebral cervical.

Wirbelkörper-Distraktor, alleine, mit verlängerter Führungsstange für eine multisegmentale Distraction, für rechtsseitigen Zugang zu C5-T1/2 und linksseitigen Zugang zur oberen HWS.

Vertebral Body Distractor, only, with elongated toothed bar for multilevel distraction for use in surgical procedures from the right approach for C5 through T1/2 and from the left approach for the upper cervical spine.

**CASPAR
ND 980.02**

Divaricatore para corpo vertebral, solo, con bracci allungati per una distrazione multi segmentale tramite accesso destro C5-T1/2 e per vertebre cervicali alte tramite accesso sinistro.

Separador para cuerpos vertebrales, suelto, con barra de conducción prolongada, para distracción multi-segmental para acceso del lado derecho a C5-T1/2 y acceso del lado izquierdo a la columna vertebral cervical.

Wirbelkörper-Distraktor, alleine, für linksseitigen Zugang zu C5-T1/2 und rechtsseitigen Zugang zur oberen HWS.

Vertebral Body Distractor, only, for use in surgical procedures from the left approach for C5 through T1/2 and from the right approach for the upper cervical spine.

**CASPAR
ND 981.01**

Divaricatore para corpo vertebral, solo, per posizionamento placche tramite accesso anteriore sinistro C5-T1/2 e per vertebre cervicali alte tramite accesso destro.

Separador para cuerpos vertebrales, suelto, para acceso del lado izquierdo a C5/T1/2 y acceso del lado derecho a la columna vertebral cervical.

Wirbelkörper-Distraktor, alleine, mit verlängerter Führungsstange für eine multisegmentale Distraction, für linksseitigen Zugang zu C5-T1/2 und rechtsseitigen Zugang zur oberen HWS.

Vertebral Body Distractor, only, with elongated toothed bar for multilevel distraction for use in surgical procedures from the left approach for C5 through T1/2 and from the right approach for the upper cervical spine.

**CASPAR
ND 981.02**

Divaricatore para corpo vertebral, solo, con bracci allungati per una distrazione multi segmentale tramite accesso sinistro C5-T1/2 e per vertebre cervicali alte tramite accesso destro.

Separador para cuerpos vertebrales, suelto, con barra de conducción prolongada, para distracción multi-segmental para acceso del lado izquierdo a C5-T1/2 y acceso del lado derecho a la columna vertebral cervical.





Wirbelkörper Distraktions-System
Vertebral Body Distraction System
 Sistema distrazione para corpo vertebrale
 Sistema de distracción para cuerpos vertebrales

Spine Instruments



CASPAR
NV 897.00

Bohrlehre, **rechts**, für Distraktor ND 980.01 + ND 980.02
 Drill guide, **right**, for distractor ND 980.01 + ND 980.02
 Guida per punte, **destra**, per divaricatore ND 980.01 + ND 980.02
 Guía de taladros, **derecha**, para separadores ND 980.01 + ND 980.02



CASPAR
NV 907.00

Bohrlehre, **links**, für Distraktor ND 981.01 + ND 981.02
 Drill guide, **left**, for distractor ND 981.01 + ND 981.02
 Guida per punte, **sinistra**, per divaricatore ND 981.01 + ND 981.02
 Guía de taladros, **izquierda**, para separadores ND 981.01 + ND 981.02



CASPAR
NV 908.14
 140mm / 5½"

Bohrer Ø1,7mm, Bohrtiefe 8mm
 Twist drill Ø1,7mm, drilling depth 8mm
 Punta Ø 1,7 mm, con stop di profondità 8mm
 Broca Ø1,7mm, profundidad de taladrado 8mm



CASPAR
NV 910.14

Distraktionsschraube
 Distraction screws
 Vite per distrazione
 Tornillo de distracción

NV 910.12	12mm
NV 910.14	14mm
NV 910.16	16mm
NV 910.18	18mm



CASPAR
NV 912.20
 200mm / 8"

Schraubendreher für Distraktionsschraube
Screw driver for distraction screws
 Cacciavite per vite per distrazione
 Destornillador para tornillo de distracción



CASPAR
ND 882.01 - ND 882.02
 205mm / 8"

Wirbelkörperdissektor
Vertebral body dissector
 Dissettore per corpo vertebrale
 Disecador para cuerpos vetebrales



CASPAR
ND 882.01
 205mm / 8"



CASPAR
ND 882.02
 205mm / 8"



CASPAR
KW 500.01

Meßschieber zum Vermessen des Knochenspans und des Span-Situs
Caliper for measurement of the bone graft and graft site
 Calibro per la misurazione del prelievo osseo e del sito
 Neuro-Calibrador para medición de la astilla de hueso y situs de la misma





BRUNS
KK 405.05
 200mm / 8"



Fig. 000
 KK 402.30
 200mm / 8"
 KK 332.30
 230mm / 9"



Fig. 00
 KK 402.20
 200mm / 8"
 KK 332.20
 230mm / 9"



Fig. 0
 KK 402.10
 200mm / 8"
 KK 332.10
 230mm / 9"



Fig. 1
 KK 403.01
 200mm / 8"
 KK 333.01
 230mm / 9"



Fig. 2
 KK 403.02
 200mm / 8"
 KK 333.02
 230mm / 9"



Fig. 3
 KK 403.03
 200mm / 8"
 KK 333.03
 230mm / 9"



Fig. 4
 KK 403.04
 200mm / 8"
 KK 333.04
 230mm / 9"



Fig. 5
 KK 403.05
 200mm / 8"
 KK 333.05
 230mm / 9"



Fig. 6
 KK 403.06
 200mm / 8"
 KK 333.06
 230mm / 9"



Fig. 000
 KK 404.30
 200mm / 8"
 KK 336.30
 230mm / 9"



Fig. 00
 KK 404.20
 200mm / 8"
 KK 336.20
 230mm / 9"



Fig. 0
 KK 404.10
 200mm / 8"
 KK 336.10
 230mm / 9"



Fig. 1
 KK 405.01
 200mm / 8"
 KK 337.01
 230mm / 9"



Fig. 2
 KK 405.02
 200mm / 8"
 KK 337.02
 230mm / 9"



Fig. 3
 KK 405.03
 200mm / 8"
 KK 337.03
 230mm / 9"



Fig. 4
 KK 405.04
 200mm / 8"
 KK 337.04
 230mm / 9"



Fig. 5
 KK 405.05
 200mm / 8"
 KK 337.05
 230mm / 9"



Fig. 6
 KK 405.06
 200mm / 8"
 KK 337.06
 230mm / 9"



CASPAR
KK 406.10
 220mm / 8 $\frac{3}{4}$ "

CASPAR
KK 407.10
 220mm / 8 $\frac{3}{4}$ "



CASPAR KK 406.30 3,6mm
 220mm / 8 $\frac{3}{4}$ "

CASPAR KK 406.20 4,4mm
 220mm / 8 $\frac{3}{4}$ "

CASPAR KK 406.10 5,2mm
 220mm / 8 $\frac{3}{4}$ "

CASPAR KK 407.30 3,6mm
 220mm / 8 $\frac{3}{4}$ "

CASPAR KK 407.20 4,4mm
 220mm / 8 $\frac{3}{4}$ "

CASPAR KK 407.10 5,2mm
 220mm / 8 $\frac{3}{4}$ "



SEMME
KK 409.23
 230mm / 9"



SEMME KK 408.23 4x7mm
 230mm / 9"

SEMME KK 409.23 4x7mm
 230mm / 9"

SEMME KK 411.23 4x7mm
 230mm / 9"



Spinal Küretten
Spinal Curettes
Curette spinale
Cucharillas espinales



CASPAR
KK 412.04
220mm / 8 $\frac{3}{4}$ "



CASPAR
KK 414.03
270mm / 10 $\frac{3}{4}$ "



CASPAR

KK 412.04
220mm / 8 $\frac{3}{4}$ "

4mm



CASPAR

KK 412.05
220mm / 8 $\frac{3}{4}$ "

5mm



CASPAR

KK 412.06
220mm / 8 $\frac{3}{4}$ "

6mm



CASPAR

KK 413.04
250mm / 10"

4mm



CASPAR

KK 413.05
250mm / 10"

5mm



CASPAR

KK 414.03
270mm / 10 $\frac{3}{4}$ "

3mm



CASPAR

KK 414.04
270mm / 10 $\frac{3}{4}$ "

4mm



CASPAR
NN 120.03
 200mm / 8"



CASPAR **NN 120.03** 3mm
 200mm / 8"



CASPAR **NN 120.05** 5mm
 200mm / 8"



CASPAR **NN 120.08** 8mm
 200mm / 8"



CASPAR **NN 120.12** 12mm
 200mm / 8"



CASPAR **NN 120.14** 14mm
 200mm / 8"



CASPAR **NN 120.16** 16mm
 200mm / 8"



SYPERT
NN 129.03
 290mm / 11½"



SYPERT **NN 129.03** 3 x 8mm
 290mm / 11½"



SYPERT **NN 129.04** 4 x 10mm
 290mm / 11½"



SYPERT **NN 129.05** 5 x 15mm
 290mm / 11½"



SYPERT **NN 129.06** 6 x 20mm
 290mm / 11½"

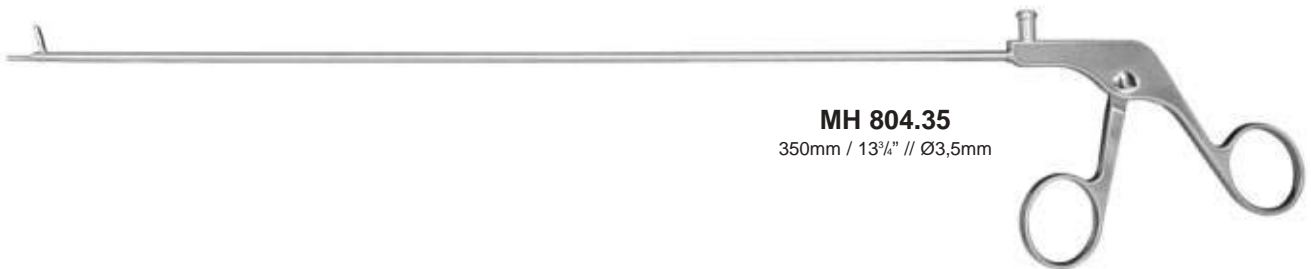
wechselbarer Schaft
shaft exchangeable
 inserto intercambiabile
pieza intercambiable

360° drehbar
360° rotatable
 360° girabile
360° giratorio



BILLY I	Griff / Handle / Manico / Mango
seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>	NL 970.00
schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negro</i>	NL 970B00

BILLY I	Laminektomiestanze, 360° drehbar, wechselbarer Schaft <i>Laminectomy Punch, 360° rotatable, shaft exchangeable</i> Pinza Laminectomia, 360° girevole, inserto intercambiabile <i>Pinza Osteótomo, 360° giratoria, pieza intercambiable</i>		
Maulbreite <i>Bite size</i> Larghezza del morso <i>Anchura de la boca</i>	36cm seidenmatt / <i>matt finish</i> opaco / <i>apagado</i>	36cm schwarz / <i>black coated</i> / superficie nera / <i>recubrim.negro</i>	
90° 	3mm	NL 962.03T	NL 962B03T
	3,5mm	NL 962.35T	NL 962B35T
	4mm	NL 962.04T	NL 962B04T
130° 	3mm	NL 964.03T	NL 964B03T
	3,5mm	NL 964.35T	NL 964B35T
	4mm	NL 964.04T	NL 964B04T



MH 804.35
 350mm / 13³/₄" // Ø3,5mm



MH 802.35
 350mm / 13³/₄" // Ø3,5mm
 Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
 Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm

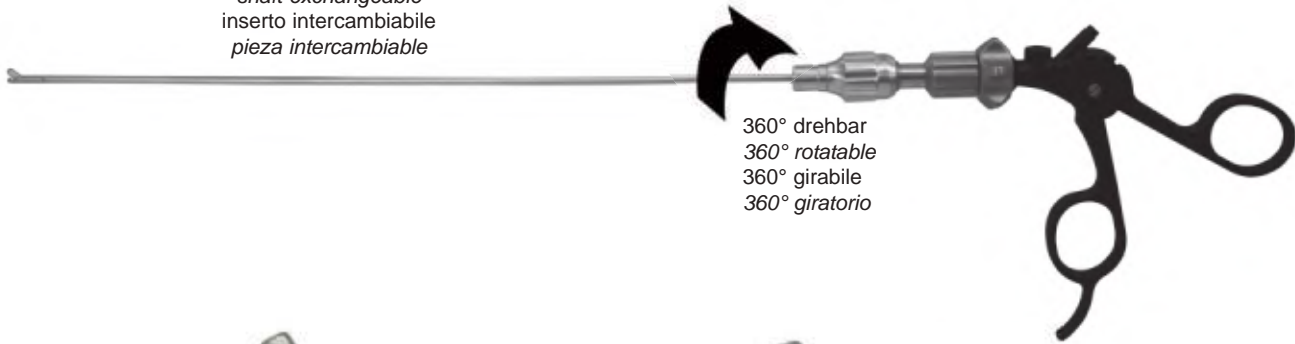


MH 804.35
 350mm / 13³/₄" // Ø3,5mm
 Fasszange
Grasping Forceps
 Pinza
Pinza



MA 800.35
 350mm / 13³/₄" // Ø3,5mm
 Hakenschere
Scissor
 Forbici
Tijera

wechselbarer Schaft
shaft exchangeable
 inserto intercambiabile
pieza intercambiabile



360° drehbar
 360° rotatable
 360° girabile
 360° giratorio



MH 810.00



MH 811.00



MH 822.33
 330mm / 13" // Ø3,5mm

Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
 Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm



MH 824.33
 330mm / 13" // Ø3,5mm

Fasszange
Grasping Forceps
 Pinza
Pinza



MA 820.33
 330mm / 13" // Ø3,5mm

Hakenschere
Scissor
 Forbici
Tijera



MH 823.33
 330mm / 13" // Ø3,5mm

Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
 Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm



MH 825.33
 330mm / 13" // Ø3,5mm

Fasszange
Grasping Forceps
 Pinza
Pinza



MA 821.33
 330mm / 13" // Ø3,5mm

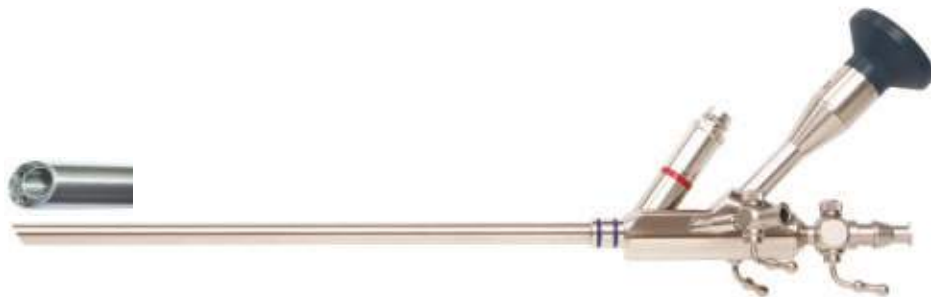
Hakenschere
Scissor
 Forbici
Tijera

abwinkelbar
can be angled
 angolabile
angulable





	Ø außen Ø outside Ø esterno Ø exterior	Ø innen Ø inside Ø dentro Ø interior	Arbeitslänge Working Length Lunghezza Longitud	Blickrichtung Direction of view Angolo di visualizzazione Ángulo de visualización
NV 063 15 177	6,3mm	3,7mm	177mm	15°
NV 063 20 177	6,3mm	3,7mm	177mm	20°
NV 063 30 177	6,3mm	3,7mm	177mm	30°
NV 070 15 177	7,0mm	4,1mm	177mm	15°
NV 070 20 177	7,0mm	4,1mm	177mm	20°
NV 070 30 177	7,0mm	4,1mm	177mm	30°



mit Absperrhahn with stop-cock con rubinetto cierre con llave	Ø außen Ø outside Ø esterno Ø exterior	Ø innen Ø inside Ø dentro Ø interior	Arbeitslänge Working Length Lunghezza Longitud	Blickrichtung Direction of view Angolo di visualizzazione Ángulo de visualización
NV 070 15 177SC	7,0mm	4,1mm	177mm	15°
NV 070 20 177SC	7,0mm	4,1mm	177mm	20°
NV 070 30 177SC	7,0mm	4,1mm	177mm	30°





MISS-System
Minimal Invasive Spine Surgery

IMPLANTATE FÜR DIE HALSWIRBELSÄULE
CERVICAL IMPLANTS



IMPIANTI PER COLONNA CEREBRALE
IMPLANTES PARA LA COLUMNA VERTEBR. CERVICAL



MISS-System
MISS-System
MISS-System
MISS-System

Allgemeine Produktinformationen

Für alle MISS-Implantate aus Titan verwenden wir ausschließlich Titan der Legierung TiAl/6V4 / ASTM F 136 nach ISO 5832-3.

Diese Legierung ist CT und MRT kompatibel, sowie biokompatibel.

Die Produkte des MISS-CC (Cage) Systems sind ohne Einschränkung mit den Produkten des MISS-CB Systems (Body) kombinierbar/stapelbar. Grundsätzlich kann jedoch eine Verbindung zweier Bodies nur durch die Zwischenverbindung mit einem Cage erfolgen.

Das MISS-System ist nach anatomischen Gesichtspunkten (Uncus erhaltend und Lordose berücksichtigend) konzipiert.

Das MISS-System ist mit autologer Spongiosa oder Hydroxylapatit befüllbar.

Indikationen

Die Implantate des MISS-Systems dienen der Spondylodese bzw. als Platzhalter bei der operativen Versorgung (ein- oder mehrsegmentale Fusion) degenerativer, tumoröser und traumatischer Wirbelkörperschäden.

Unter herkömmlichem ventralem Zugang unter dem Operationsmikroskop zur Halswirbelsäule, erfolgt die Diskektomie/Spondylektomie mit geringst möglicher Distraction der angrenzenden Wirbelkörper. Resektion des Lig. Longitudinale posterius. Die Distraction im operierten Segment soll möglichst gering gehalten werden, um die dorsalen ligamentären Strukturen nicht übermäßig zu dehnen.

Bearbeitung der Deck- und Grundplatten. Es ist zu beachten, dass eine Resektion der Platten nicht bis auf die Wirbelkörperspongiosa erfolgt. Dies hätte ein erhöhtes Risiko des Implantate Einsinkens zur Folge. Entsprechend der Zwischenwirbelhöhe wird das geeignete Implantat bzw. die geeignete Cage, Body oder Cage-Body-Kombination ausgewählt.

Die Implantation des Cage/Body-Implantats erfolgt mit dem Einsetzinstrument unter Distraction und Kontrolle mittels C-Bogen. Nach Aufhebung der Distraction sollte das Implantat fest sitzen. Lässt sich dieses leicht bewegen, sollte der Cage, Body oder die Cage-Body-Kombination gegen ein höheres Implantat/Kombination ausgetauscht werden. Bei mehrsegmentalen oder kritischen Fusionen, sollte zur Sicherung zusätzlich eine Stabilisierung mittels einer HWS-Platte erfolgen.

General Product Information

For all MISS-Implants made of Titanium we exclusively use Titanium alloy TiAl/6V4 / ASTM F 136 in accordance with ISO 5832-3.

This alloy is CT and MRT compatible, as well as biocompatible.

The products of the MISS-CC (Cage) System can be combined/are stackable without limitations with the products of the MISS-CB (Body) (Body) System. Two bodies can only be connected with a cage in between.

MISS-System is designed according to anatomic aspects (uncus preserving and lordosis considering).

MISS-System can be filled with autologous spongiosa or hydroxyapatite.

Indications

The implants of the MISS-System are designated for spondylodeses or to maintain a distance, to correct corpus vertebrae lesions (one or more segmental fusion) of degenerative, tumorous or traumatic kind.

The discectomy/spondylodeses is to be done under the operation microscope by means of usual ventral access to the cervical vertebral column. The adjoining cervical vertebrae will be distracted as minimal as possible. Resection of the lig. longitudinale posterius. The distraction in the operated segment must be kept as minimal as possible so that the dorsal ligamentous structures will not be expanded too much.

Roughening of the upper and lower plate of the vertebrae bodies. It is important that the resection of the plates will not wear through onto the spongiosa substance of the vertebrae because this would increase the risk of the implant to subside. Corresponding to the distance between the vertebrae, the suitable implant or the suitable cage, body or cage-body combination will be selected.

The implantation of the cage/body-Implants will be performed with the special implant instrument under distraction and control by means of an x-ray source. After dissolving the distraction the implant should be stuck safely. If it can still be moved easily, the cage, the body or the cage-body combination should be exchanged against a higher implant or combination. In case of a critical or multi-segmental fusion an cervical plate as safeguard should be used.



Informazioni generali

Per tutti gli impianti del MISS-System vengono utilizzati esclusivamente, secondo ISO 5832-3, il Titanio della prescritta lega TiAl/6V4 / ASTM F 136.

Questa lega è TAC e RMN compatibile, nonché biocompatibile.

Tutti i prodotti del MISS-CC System (Cage) MISS-CB System (Body) sono completamente compatibili ed interfacciabili. Fondamentalmente, una combinazione tra i due corpi (Body) è possibile solamente attraverso un cage.

I prodotti dei sistemi Corpo e Cage sono costruiti in maniera di rispettare la lordose e mantenendo l'uncus.

Tutti prodotti del MISS-System sono riempibili con spongiosa autologica e/o con idrossiapatite.

Indicazioni

Gli impianti del MISS - System sono indicati per la Spondilodese oppure per procurare un interspazio per un provvedimento chirurgico (fusione per un o più segmento/i vertebrale/i) inerenti processi degenerativi - tumorosi o difetti traumatici vertebrali (fusione per un o più segmento/i vertebrale/i).

L'accesso operativo ventrale, con l'aiuto di un microscopio, si effettua con discec-/spondilectomia senza distrarre in modo eccessivo i corpi vicini. Resezione del lig. longitudinale posteriorus. Con la minima distrazione del segmento operativo, onde non dilatare eccessivamente le strutture dei legamenti dorsali.

Elaborare (vitalizzare) le due corticalis, attenzione di non entrare nella spongiosa dei corpi, sarebbe un pericolo che l'impianto si svinde. Secondo l'altezza dello spazio intervertebrale, impiantare il giusto impianto cage, body, cage-body -cage.

L'inserimento del impianto (cage/body) si effettua aumentando l'accesso intervertebrale e sotto controllo radiologico ed utilizzando lo strumento d'introduzione idoneo. Dopo aver rimosso il separatore oppure rilasciata la colonna in posizione anatomica naturale, l'impianto dev'essere situato (senza muoversi) bene. Se l'impianto si muove, dev'essere cambiato con un impianto (cage/body) di spessore più alto. Se è stato fatto un inserimento a due o più segmenti, oppure un corpo o di più corpi (body - cage - body p.e.) si consiglia di inserire anche una placca CEATEC anteriormente, per garantire una definitiva e sicura stabilità del impianto.

Información general

Para todos implantes MISS de titanio se usa exclusivamente titanio de la aleación TiAl/6V4 / ASTM F 136 según ISO 5832-3.

Esta aleación es compatible con TAC y TRM, así como biocompatible.

Los productos del sistema MISS-CC (Cage) se pueden combinar/apilar sin limitación con los productos del sistema MISS-CB (Body). Sin embargo, una conexión de dos cuerpos principalmente puede efectuarse solamente por una conexión intermediaria con un "cage".

El sistema MISS es concebido según planteamientos anatómicos (conservando el Uncus y considerando la lordosis). El sistema MISS puede ser llenado con esponjosa autóloga o Hydroxilapatita.

Indicaciones

Los implantes del sistema MISS sirven para la spondilodesis respectivamente para procurar una distancia durante la operación (fusión de un o más segmentos) de daños cerebrales degenerativos, tumorosos o traumáticos.

La disectomía / spondilectomía a través del acceso operatorio ventral usando el microscopio se realiza con una distracción especialmente mínima de los cuerpos vertebrales adyacentes.

Resección del Lig. Longitudinale posteriorus. Por una distracción mínima en el segmento operado se puede evitar un estiramiento de las estructuras de los ligamentos dorsales.

Preparar (cardar) las dos corticalis. La resección no se debe efectuar llegando a la esponjosa del cuerpo vertebral – el implante podría hundirse. El implante adecuado respectivamente la combinación Cage, Body (Cuerpo) o Cage-Body (cage-cuerpo) está seleccionado según la altura intervertebral.

La implantación del implante Cage/Body (cage-cuerpo) se efectúa mediante el instrumento para introducción bajo distracción y control radiológico. El implante tiene que ser fijo después de la rescisión de la distracción. Si se puede mover fácilmente, el Cage, Body (cuerpo) o la combinación Cage-Body (Cage-cuerpo) tiene que ser cambiado por un implante / una combinación más alta. Si se tienen que efectuar fusiones críticas o con más segmentos recomendamos la estabilización suplementaria mediante una placa HWS.



MISS-System, Cervicaler Bandscheibenersatz
MISS-System, Cervical Disc/Cage
MISS-System, Disc/Cage cervicale
MISS-System, Disco/Cage cervical

CD 00 000 00

CD = DISC **00 = Width** **X00 = Depth** **00 = Height**
0XX = Material Titanium **1XX = Material PEEK**



CD 12 012 04*	12 mm X 12 mm X 4 mm
CD 12 012 05*	12 mm X 12 mm X 5 mm
CD 12 012 06*	12 mm X 12 mm X 6 mm
CD 12 012 07*	12 mm X 12 mm X 7 mm
CD 12 014 04	12 mm X 14 mm X 4 mm
CD 12 014 05	12 mm X 14 mm X 5 mm
CD 12 014 06	12 mm X 14 mm X 6 mm
CD 12 014 07	12 mm X 14 mm X 7 mm
CD 12 014 08	12 mm X 14 mm X 8 mm
CD 12 014 09	12 mm X 14 mm X 9 mm
CD 14 016 04	14 mm X 16 mm X 4 mm
CD 14 016 05	14 mm X 16 mm X 5 mm
CD 14 016 06	14 mm X 16 mm X 6 mm
CD 14 016 07	14 mm X 16 mm X 7 mm
CD 14 016 08	14 mm X 16 mm X 8 mm
CD 14 016 09	14 mm X 16 mm X 9 mm

* Diese Größen sind nicht stapelbar !
 * This sizes are not stackable !
 * Queste misure non sono montabili !
 * ¡Estos tamaños no se pueden apilar !

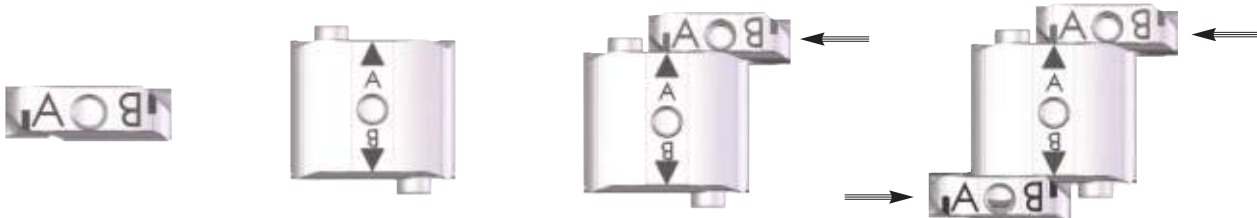


CB 00 000 00

CB = BODY **00 = Width** **X00 = Depth** **00 = Height**
0XX = Material Titanium **1XX = Material PEEK**



CB 12 014 12	12 mm X 14 mm X 12 mm
CB 12 014 14	12 mm X 14 mm X 14 mm
CB 12 014 16	12 mm X 14 mm X 16 mm
CB 12 014 18	12 mm X 14 mm X 18 mm
CB 12 014 20	12 mm X 14 mm X 20 mm
CB 12 014 22	12 mm X 14 mm X 22 mm
CB 12 014 24	12 mm X 14 mm X 24 mm
CB 12 014 26	12 mm X 14 mm X 26 mm
CB 14 016 12	12 mm X 16 mm X 12 mm
CB 14 016 14	12 mm X 16 mm X 14 mm
CB 14 016 16	14 mm X 16 mm X 16 mm
CB 14 016 18	14 mm X 16 mm X 18 mm
CB 14 016 20	14 mm X 16 mm X 20 mm
CB 14 016 22	14 mm X 16 mm X 22 mm
CB 14 016 24	14 mm X 16 mm X 24 mm
CB 14 016 26	14 mm X 16 mm X 26 mm





MISS-System, Cervicale Schrauben
MISS-System, Cervical Screws
MISS-System, Viti cervicale
MISS-System, Tornillos cervicales

CS 00 000 00

CS = SCREW

0 = standard



CS 00 035 14	Corticalis Ø 3,5 mm 14 mm
CS 00 035 16	Corticalis Ø 3,5 mm 16 mm
CS 00 035 18	Corticalis Ø 3,5 mm 18 mm
CS 00 035 20	Corticalis Ø 3,5 mm 20 mm
CS 00 035 22	Corticalis Ø 3,5 mm 22 mm
CS 00 035 24	Corticalis Ø 3,5 mm 24 mm
CS 01 040 14	Revision Ø 4,0 mm 14 mm
CS 01 040 16	Revision Ø 4,0 mm 16 mm
CS 01 040 18	Revision Ø 4,0 mm 18 mm
CS 01 040 20	Revision Ø 4,0 mm 20 mm
CS 01 040 22	Revision Ø 4,0 mm 22 mm
CS 01 040 24	Revision Ø 4,0 mm 24 mm

CS 80 000 00

CS = SCREW

8 = "angle-stable"



CS 80 035 14	Corticalis Ø 3,5 mm 14 mm
CS 80 035 16	Corticalis Ø 3,5 mm 16 mm
CS 80 035 18	Corticalis Ø 3,5 mm 18 mm
CS 80 035 20	Corticalis Ø 3,5 mm 20 mm
CS 80 035 22	Corticalis Ø 3,5 mm 22 mm
CS 80 035 24	Corticalis Ø 3,5 mm 24 mm
CS 81 040 14	Revision Ø 4,0 mm 14 mm
CS 81 040 16	Revision Ø 4,0 mm 16 mm
CS 81 040 18	Revision Ø 4,0 mm 18 mm
CS 81 040 20	Revision Ø 4,0 mm 20 mm
CS 81 040 22	Revision Ø 4,0 mm 22 mm
CS 81 040 24	Revision Ø 4,0 mm 24 mm



CP 00 000 00

CP = PLATE

"TWO in ONE" = for standard & angle-stable plates



CP 01 027 16	1 segment 27 mm X 16 mm
CP 01 029 16	1 segment 29 mm X 16 mm
CP 02 038 16	2 segments 38 mm X 16 mm
CP 02 042 16	2 segments 42 mm X 16 mm
CP 02 048 16	2 segments 48 mm X 16 mm
CP 03 056 16	3 segments 56 mm X 16 mm
CP 03 065 16	3 segments 65 mm X 16 mm
CP 04 072 16	4 segments 72 mm X 16 mm
CP 04 082 16	4 segments 82 mm X 16 mm
CP 04 088 16	4 segments 88 mm X 16 mm
CP 05 095 16	5 segments 95 mm X 16 mm



MISS-System, Cervicales Bandscheibenersatz SET
 MISS-System, Cervical Disc SET
 MISS-System, SET cervicale disc
 MISS-System, Juego disco cervical



Cervical Implants

CD DISC SET SET Cage

CD 00 010 01 Sterilisationsrack für Cage
 Sterilisation case for Cage
 Supporto per sterilizzazione Cage
 Soporte para esterilización disco



CB CD 020 11 Einsetzinstrument für Cage/Body
 Insert instrument for Cage/Body
 Strumento p.introduzione Cage/Corpo
 Instrum. p.introducción Disco/Cuerpo



MISS-System, Cervicales Wirbelkörperersatz SET
 MISS-System, Cervical Body SET
 MISS-System, SET cervicale corpi
 MISS-System, Juego cuerpo cervical



CB BODY SET SET Body

CB 00 010 01 Sterilisationsrack für Body
 Sterilisation case for Body
 Supporto per sterilizzazione Corpo
 Soporte para esterilización Cuerpo



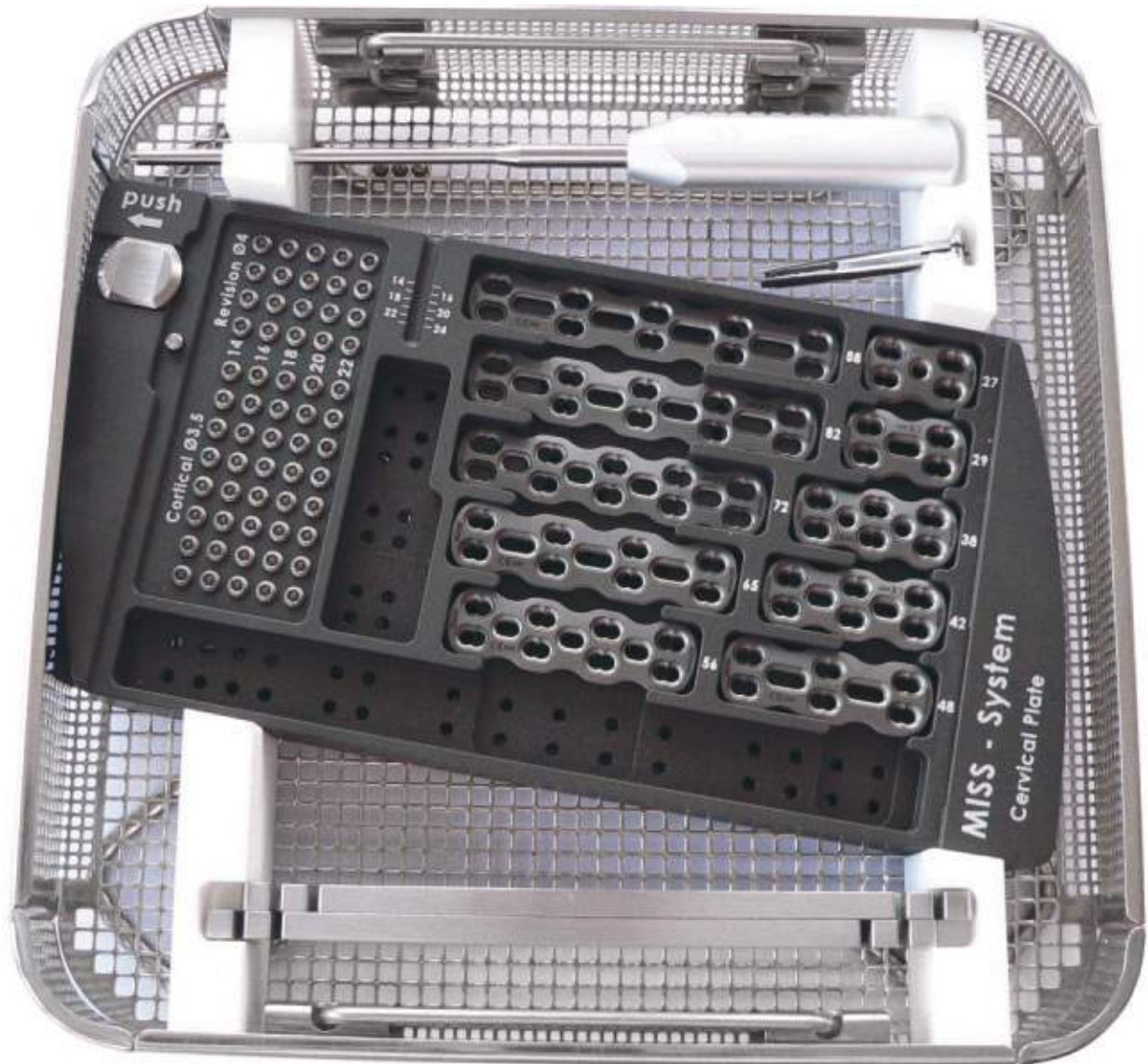
CB CD 020 11 Einsetzinstrument für Cage/Body
 Insert instrument for Cage/Body
 Strumento p.introduzione Cage/Corpo
 Instrum. p.introducción Disco/Cuerpo



CB 01 020 01 Löseinstrument für Cage/Body
 Dismantling instrument for Cage/Body
 Strumento per liberare Cage/Corpo
 Instrum. p.desbloquear Cage/Cuerpo



MISS-System, Cervicales Schrauben & Platten SET
 MISS-System, Cervical Screw & Plate SET
 MISS-System, SET cervicale viti & placche
 MISS-System, Juego de tornillos y placas cervicales



CP CS0 SET

SET Plates & Screws
 (STANDARD & ANGLE-STABLE)

CP CS 010 01

Sterilisationsrack für Plates & Screws
 Sterilisation case f. Plates & Screws
 Supporto p. steriliz. Plates & Screws
 Soporte p. esteriliz. Placas & Tornillos

CP CS 020 01

Sieb für die Sterilisation
 Sterilisation basket
 Griglia per sterilizzazione
 Bandeja para la esterilización

MISS-System, Cervicales Schrauben & Platten SET
MISS-System, Cervical Screw & Plate SET
MISS-System, SET cervicale viti & placche
MISS-System, Juego de tornillos y placas cervicales



CS 00 020 01
220mm / 8 3/4"

Schraubendreher
Screwdriver
Cacciavite
Destornillador



CS 01 020 01

Schraubenthalehülse
Bracket for screws
Strumento per afferrare le viti
Vaina para sujetar tornillos



CP 00 020 01

Schränkinstrument (2 Stk.)
Bending instrument (2 pcs.)
Strumento p.modulare placche (2 pz.)
Triscador (2 pzas.)



SIEBVORSCHLÄGE
SET SUGGESTIONS



PROPOSTE DI SETS
PROPOSICIÓN DE JUEGOS



Kraniotomie Sieb
Craniotomy Set
Set per Craniotomia
Juego para Craneotomía

ACHTUNG In diesem Katalog nicht abgebildete Instrumente finden Sie in unserem Hauptkatalog.

ATTENTION For instruments not illustrated in this catalogue, please refer to our general catalogue.

ATTENZIONE Gli strumenti non illustrati in questo catalogo li trovate nel nostro catalogo generale.

ATENCION Los instrumentos no ilustrados en este catálogo se encuentran en nuestro catálogo general.

NX 002.20

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
1	AT 352.25	Foerster Dressing Forcep 25cm, serrated	2
2	AC 915.13	Backhaus Towel Forcep 13cm	12
3	AA 130.03	Standard Scalpel-Handle no.3/12,5cm, solid	1
4	AA 100.04	Standard Scalpel-Handle no.4, solid	1
5	AA 137.07	Standard Scalpel-Handle no.7, solid	1
6	AA 910.17	CT-ORO Mayo Scissor 17cm, straight	1
7	AA 911.17	CT-ORO Mayo Scissor 17cm, curved	1
8	AA 961.18	CT-ORO Metzenbaum-Fino Dissect.Scis.18cm curved, bl/bl	1
9	AA 455.17	Schmieden-Taylor Dura Scissor 17cm	1
10	AA 102.15	Standard Scissor 15cm, straight, sh/bl	1
11	AB 168.12	Adson Forceps Dress. 12cm	2
12	AB 368.12	Adson Forcep Tiss. 12cm, 1:2 Teeth	2
13	AC 384.14	Kocher Artery Fcp.14cm,1:2T, straight, delicate	2
14	AB 188.17	Cushing Forcep Dress. 17cm, straight	2
15	AB 388.17	Cushing Tissue Forcep 17cm, straight	2
16	AC 310.12	Halsted-Mosquito Artery Forcep 12cm, straight	18
17	AC 311.12	Halsted-Mosquito Artery Forcep 12cm, curved	18
18	AC 355.14	Dandy Artery Forcep 14cm, curved	24
19	KH 847.17	Luer Bone Rongeur Forcep 17cm, curved	1
20	KH 833.19	Lempert Bone Rongeur Forcep 19cm, curved	1
21	KH 881.18	Zaufal-Jansen Bone Rongeur Forcep 18cm, slightly curved, 5mm	1
22	KH 910.22	Stille-Luer Bone Rongeur Forcep 22cm, straight	1
23	KH 911.22	Stille-Luer Bone Rongeur Forcep 22cm, curved	1
24	NL 997.04	Gruenwald (Spurling) Rongeur 15,5cm/4mm, straight	1
25	NL 997.13	Gruenwald Rongeur 15,5cm/3mm, curved up	1
26	NL 996.87	Oldberg Pituitary Rongeur 18cm, 7mm	1
27	AD 734.20	Weitlaner Retractor 20cm,3:4 Teeth, sharp	2
28	AD 723.10	Jansen Retractor 10 cm, 3:3 teeth, blunt	2
29	AD 172.14	Cushing Retractor,24cm,large 14mm	2
30	NQ 720.07	Aachen pattern Brain Spatul.20cm/7+8mm	1
31	NQ 720.13	Aachen pattern Brain Spatul.20cm/13+14mm	1
32	NQ 720.19	Aachen pattern Brain Spatul.20cm/19+20mm	1
33	NQ 722.12	Brain Spatula 25cm/12mm, malleable, cross serrated	2
34	KN 402.19	Langenbeck Periost.Raspatory 19cm/16mm	2
35	ND 680.23	Pennybacker Dissector+Probe 23cm	1
36	KD 529.18	Watson-Cheyne Dissector, 18cm	1
37	KK 403.01	Spinal Bone Curette 20cm, Fig.1	1
38	KK 403.02	Spinal Bone Curette 20cm ,Fig.2	1
39	KK 403.03	Spinal Bone Curette 20cm, Fig.3	1
40	KK 402.30	Spinal Bone Curette 20cm, Fig.000	1
41	KO 152.07	Burr 13,0mm	1
42	KO 152.03	Spherical Burr 16,0mm	1
43	KO 152.99	Hudson Hand Drill, brace only	1
44	KO 152.09	Extension Piece	1
45	NV 602.01	Gigli Hook Handle for Wire Saws	2

Kraniotomie Sieb
Craniotomy Set
Set per Craniotomia
Juego para Craneotomía



<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
46	NV 618.33	Martell Conductor for wire saws 35cm	2
47	ND 678.02	Yasargil Galea Hook 410mm, Spring 9mm	6
48	NL 986.03	Thin Footplate Punch 18cm/3mm, 130°, upbiting	1
49	ND 835.13	Frazier Dura-Hook 13cm, sharp	2
50	ND 758.20	Dandy Nerv Hook 20cm	2
51	AY 523.06	Frazier Suction Tube 19cm/Ch.6	2
52	AY 523.08	Frazier Suction Tube 19cm/Ch.8	2
53	AY 523.10	Frazier Suction Tube 19cm/Ch.10	2
54	AY 523.12	Frazier Suction Tube 19cm/Ch.12	2
55	NY 318.03	Frazier Ventriculopuncture Cannula 3mm	2
56	ME 210.18	Micro-Needle Holder 18cm/9mm, straight, jaws 0,3mm,without ratchet	1
57	ME 211.18	Micro-Needle Holder 18cm/9mm, curved, jaws 0,3mm,without ratchet	1
58	MB 067.67	Micro-Forceps 18cm/8mm (Rhoton), curved, jaws smooth 6x0,7mm	1
59	ND 902.01	Rhoton Dissector 19cm, 1mm, round	1
60	ND 902.02	Rhoton Dissector 19cm, 2mm, round	1
61	ND 902.03	Rhoton Dissector 19cm, 3mm, round	1
62	ND 902.04	Rhoton Dissect.19cm, 1,0mm, spatula shaped	1
63	ND 902.05	Rhoton Dissect.19cm/Ø1,5mm, spatula shaped	1
64	ND 902.06	Rhoton Dissect.19cm, 2,0mm, spatula shaped	1
65	ND 902.07	Rhoton Dissect.19cm, 1,2mm, spatula shaped	1
66	ND 902.08	Rhoton Dissect.19cm, 2,8mm, spatula shaped	1
67	ND 902.10	Rhoton Hook 19cm, 90°, 2mm, blunt	1
68	ND 690.01	Penfield Dura-Dissector 17cm/Fig.1	1
69	ND 690.02	Penfield Dura-Dissector 19cm/Fig.2	1
70	ND 690.03	Penfield Dura-Dissector 19cm/Fig.3	1
71	ND 690.04	Penfield Dura-Dissector 20cm/Fig.4	1
72	AE 360.18	Adson Needle Holder 18cm	1
73	AE 642.16	CT-ORO Mayo-Hegar Needle Holder 16cm	1



Transphenoidale Hypophysektomie Instrumenten Sieb
Transphenoidal Hypophysectomy Instrument Set
Set Strumentario per Ipofisectomia Transfenoidale
Juego para instrumentos para la hipofisectomía trans-esfenoidal

NX 004.08

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
1	AA 130.03	Standard Scalpel-Handle no.3/12,5cm, solid	2
2	AA 100.04	Standard Scalpel-Handel no.4, solid	1
3	AA 937.11	CT-ORO Metzenbaum Scissor 11cm, curved	1
4	AA 104.14	Standard Scissor 14cm, straight, sh/sh	1
5	AB 126.14	Forcep Dress. 14cm, fine model	1
6	AB 326.13	Standard Forcep Tiss. 13cm, 1:2 Teeth	1
7	AB 168.12	Adson Forceps Dress. 12cm	1
8	AB 368.12	Adson Forcep Tiss. 12cm, 1:2 Teeth	1
9	AB 402.12	Mini-Adson Forsep Tiss.12cm,1:2T.cross serration	1
10	AB 697.20	Gruenwald (Jansen) Dressing Forcep 20cm	1
11	AY 540.20	Yasargil Suction Tube WL 150mm, Ø2,0mm	2
12	AY 540.72	Yasargil Suction Tube WL 220mm, Ø2,0mm	2
13	AY 540.35	Yasargil Suction Tube WL 150mm, Ø3,5mm	2
14	AY 540.87	Yasargil Suction Tube WL 220mm, Ø3,5mm	2
15	AE 637.13	CT-ORO Halsey Needle Holder 13cm, mini profile	2
16	AC 307.10	Hartmann Artery Forcep 10cm,curved	2
17	AC 311.12	Halsted-Mosquito Artery Forcep 12cm,curv	4
18	AC 303.14	Baby-Mixer Artery Forcep 14cm, curved	2
19	AC 915.11	Backhaus Towel Forcep 11cm	6
20	AT 350.25	Foerster Dressing Forcep 25cm, straight, smooth	2
21	AT 353.25	Foerster Dressing Forcep 25cm, curved, smooth	2
22	AD 668.16	Senn-Mueller Retractor 16cm, sharp	2
23	AD 101.03	Retractor with 3 prong, 16cm, blunt	2
24	NL 970.00	Billy I Laminectomy punch, Handle	2
25	NL 974.01ET	Billy I Punch, Tube-Shaft 18cm/1mm, 130°, with ejector	1
26	NL 974.02ET	Billy I Punch, Tube-Shaft 18cm/2mm, 130°, with ejector	1
27	NL 975.03ET	Billy I Punch, Tube-Shaft 20cm/3mm, 130°, with ejector	1
28	NL 994.12	Gruenwald (Cushing) Rongeur 18cm/2x10mm, straight	1
29	NL 994.13	Gruenwald Rongeur 18cm/3x10mm, straight	1
30	NL 995.13	Gruenwald Rongeur 18cm/3x10mm, curved up 30°	1
31	NL 994.14	Gruenwald (Spurling) Rongeur 18cm/4X10mm, straight	1
32	NL 996.14	Gruenwald (Spurling) Rongeur 18cm/4x10mm, curved down 30°	1
33	NL 996.86	Oldberg Pituitary Rongeur 18cm, 6mm	1
34	NQ 723.17	Spatula malleable, 200 x 17mm	1
35	ND 933.12	Hardy Micro-Dissector 24cm, curved right, blunt	1
36	NL 996.99	Landolt Pituitary Rongeur blunt 20cm/Ø9mm	1
37	ND 932.16	Hardy Implant Fork 24cm	1
38	NK 926.02	Hardy Curette malleable 26cm/Ø6mm	1
39	NK 927.01	Nicola Curette 22mm/Ø6,5mm, right side cutting	1
40	NK 927.02	Nicola Curette 22mm/Ø6,5mm, left side cutting	1
41	NK 927.03	Nicola Curette 22mm/Ø6,5mm,angled up	1
42	NU 157.01	Cushing-Landolt Specula for transsphenoidal hypophysectomy 70x15mm	1
43	NK 934.03	Landolt Curette malleable 26cm	1
44	NU 157.02	Cushing-Landolt Specula for transsphenoidal hypophysectomy 90x15mm	1
45	NU 157.03	Cushing-Landolt Specula for transsphenoidal hypophysectomy 110x15mm	1
46	NK 934.05	Landolt Curette malleable 26cm	1
47	NL 161.21	Landolt Spreading forceps 21cm for Specula NU 157.xx	1
48	ND 936.01	Landolt-Reulen Dissector 26cm/Ø2mm, rigid	1
49	ND 936.07	Landolt-Reulen Raspatory 26cm/Ø3,2mm, rigid	1
50	NL 996.94	Yasargil Pituitary Rongeur 18cm, 3,5mm	1
51	NA 224.16	Nicola Micro Scissors 16cm, straight	1
52	NA 220.16	Fahlbusch Micro Scissors 165mm, curved, horizontal cutting	1
53	RM 604.04	Cottle Chisel 18cm/4mm,oblique cut	1
54	KV 234.19	Cottle Mallet 19cm/240g/Ø30mm, flat/convex	1
55	NV 945.00	Handle for Pituitary Mirrors	1
56	NV 945.08	Pituitary Mirror only Ø8mm	1
57	NV 945.10	Pituitary Mirror only Ø10mm	1

Sympathektomie Sieb
Sympathectomy Set
Set per Simpatectomia
Juego para simpatectomía



NX 004.04

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
1	AA 130.03	Standard Scalpel-Handle no.3/12,5cm,soli	1
2	AA 280.18	Metzenbaum-Nelson Scis. 18cm,str., bl/bl	1
3	AA 285.30	Metzenbaum-Nelson Scis. 30cm,cvd.,bl/bl	1
4	AB 120.20	Standard Forcep Dress. 20cm	2
5	AC 371.20	Rochester-Carmalt Artery Forc.20cm,cvd..	6
6	AC 411.20	Péan-Rochester Artery Forcep 20cm,curved	14
7	AC 414.16	Kocher-Ochsner Art.Fcp.16cm,1:2Teeth,str	4
8	AC 915.13	Backhaus Towel Forcep 13cm	14
9	AD 591.07	Deaver Retractor, 30cm, 38mm	2
10	AD 591.09	Deaver Retractor, 30cm, 75mm	2
11	AE 390.16	Mayo-Hegar Needle Holder 16cm	2
12	AE 390.16	Mayo-Hegar Needle Holder 16cm	2
13	AT 352.25	Foerster Dressing Forcep 25cm,serrated	2
14	KH 913.23	Stille-Luer Bone Rongeur Forcep 23cm,cvd	1
15	KH 957.27	Liston-Key Bone Cutting Forcep 27cm	1
16	KN 441.17	Doyen Periosteal Raspatory 17cm,cvd.left	1
17	KN 443.17	Doyen Periosteal Raspatory 17cm,cvd.righ	1
18	KN 467.20	Alexander Periosteal Raspatory 20cm	1
19	NC 668.00	Silver Brain Clips in plastic vial=100pc	1
20	NC 670.20	Olivecrona-Toennis Applying Forcep 20cm	1
21	ND 740.26	Groningen Nerv Hook 26cm, curved	1
22	ND 748.21	Smithwick Nerv Hook 21cm	1
23	NV 670.01	Clip Carrier 148x40x6mm,1 clip hold.rack	1



Hydrocephalus Shunt Sieb
Hydrocephalus Shunt Set
Set per Shunt Idrocefalo
Juego para operaciones hidrocefalo Shunt

NX 004.09

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
1	AA 130.03	Standard Scalpel-Handle no.3/12,5cm,soli	2
2	AA 137.07	Standard Scalpel-Handle no.7, solid	1
3	AA 170.14	Mayo Dissecting Scissor 14cm, straight	1
4	AA 326.14	Metzenbaum-Fino Dissect.Sci.14cm,str., blunt/blunt	1
5	AB 180.17	Taylor Forcep Dress. 17cm	2
6	AB 186.18	Gerald Forcep Dress. 18cm, straight	2
7	AB 374.17	Taylor Tissue Forcep 17cm,str.,1:2 T.	2
8	AB 400.12	Adson-Brown Forcep Tiss.12cm,with Teeth	2
9	AB 406.12	Micro-Adson Forcep Tiss.12cm, 1:2 Teeth	2
10	AC 121.08	Dietrich Bulldog Clamp 5cm/8mm,curved	1
11	AC 310.12	Halsted-Mosquito Artery Forcep 12cm,str.	6
12	AC 311.12	Halsted-Mosquito Artery Forcep 12cm,curv	6
13	AC 340.14	Crile Artery Forcep 14cm,straight	1
14	AC 341.14	Crile Artery Forcep 14cm, curved	1
15	AC 414.14	Kocher-Ochsner Art.Fcp.14cm,1:2Teeth,str	1
16	AC 915.08	Backhaus Towel Forcep 8cm	6
17	AD 170.20	Cushing Retractor,20cm	2
18	AD 668.16	Senn-Mueller Retractor 16cm, sharp	2
19	AD 714.07	Alm Retractor 7cm,4:4 Teeth,sharp	1
20	AD 723.10	Jansen Retractor 10 cm, 3:3 teeth, blunt	2
21	AD 770.20	Adson Retractor 20 cm, 3:4 Teeth,sharp	1
22	AE 390.16	Mayo-Hegar Needle Holder 16cm	1
23	AF 134.15	Allis Tissue-and Organ Hol.Fcp.15cm,5:6T	6
24	AT 352.18	Foerster Dressing Forcep 18cm,serrated	4
25	AY 523.10	Frazier Suction Tube 19cm/Ch.10	1
26	KH 827.18	Jansen Bone Rongeur Forcep 18cm,curved	1
27	KK 333.04	Bruns Bone Curette 23cm,Fig.4,straight	1
28	KO 606.00	Bunnell Hand Drill 16cm,longitudinally bored,with three-jaw-chuck and key opening	1
29	NC 675.00	Raney Hemostasis Clips (50 pieces)	1
30	NC 676.00	Raney Applying and Removing Forcep	1
31	ND 690.03	Penfield Dura-Dissector 19cm/Fig.3	1
32	ND 690.04	Penfield Dura-Dissector 19cm/Fig.4	1

RHOTON Mikro Dissektions Sieb
RHOTON Type Micro Dissection Instrument SET
Set per Dissezione RHOTON Micro
Juego para la disección con RHOTON micro instrumentos



NX 004.11

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
1	ND 902.01	Rhoton Dissector 19cm/Ø1mm, round	1
2	ND 902.02	Rhoton Dissector 19cm/Ø2mm, round	1
3	ND 902.03	Rhoton Dissector 19cm/Ø3mm, round	1
4	ND 902.04	Rhoton Dissect.19cm/Ø1,0mm, spatula shape	1
5	ND 902.05	Rhoton Dissect.19cm/Ø1,5mm, spatula shape	1
6	ND 902.06	Rhoton Dissect.19cm/Ø2,0mm, spatula shape	1
7	ND 902.07	Rhoton Elevator 19cm/Ø1,2mm, spatula shape	1
8	ND 902.08	Rhoton Elevator 19cm/Ø2,8mm, spatula shape	1
9	ND 902.09	Rhoton Needle 19cm, semi-sharp	1
10	ND 902.10	Rhoton Hook 19cm/90°/2mm, blunt	1
11	ND 902.11	Rhoton Hook 19cm/90°/2mm, semi-sharp	1
12	ND 902.12	Rhoton Hook 19cm/45°/3mm, semi-sharp	1
13	ND 902.13	Rhoton Ball-pointed Probe 19cm/90°angled	1
14	ND 902.16	Rhoton Dissect.19cm/5mm, spatula shape	1
15	NK 902.14	Rhoton Curette sharp 19cm/1,0x2,0mm,oval	1
16	NK 902.15	Rhoton Curette sharp 19cm/45°/1,0x2,0mm	1



Wirbelsäulen Orthopädie Basis Sieb
Spinal Orthopaedic Basic Set
Set Base per Ortopedia Vertebrale
Juego para ortopedia de la columna vertebral básico

NX 004.01

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
1	AA 100.04	Standard Scalpel-Handel no.4, solid	1
2	AA 130.03	Standard Scalpel-Handle no.3/12,5cm, solid	1
3	AA 140.14	Deaver Scissor 14cm, straight, sh/bl	1
4	AA 170.17	Mayo Dissecting Scissor 17cm, straight	1
5	AA 171.17	Mayo Dissecting Scissor 17cm, curved	1
6	AA 280.18	Metzenbaum-Nelson Scis. 18cm, straight, bl/bl	2
7	AA 865.12	Universal Wire-Scissor 12cm, serrated	1
8	AB 103.14	Standard Forcep Tiss. 14cm, 1:2 Teeth	2
9	AB 120.14	Standard Forcep Dress. 14cm	2
10	AB 120.20	Standard Forcep Dress. 20cm	1
11	AB 123.14	Standard Forcep Tiss. 14cm, 2:3 Teeth	2
12	AB 368.12	Adson Forcep Tiss. 12cm, 1:2 Teeth	2
13	AC 310.12	Halsted-Mosquito Artery Forcep 12cm, straight	10
14	AC 311.12	Halsted-Mosquito Artery Forcep 12cm, curved	6
15	AC 330.14	Kelly Artery Forcep 14cm, straight	10
16	AC 331.14	Kelly Artery Forcep 14cm, curved	6
17	AC 411.16	Péan-Rochester Artery Forcep 16cm, curved	2
18	AC 414.14	Kocher-Ochsner Art.Fcp.14cm,1:2Teeth, straight	1
19	AC 915.13	Backhaus Towel Forcep 13cm	14
20	AD 220.04	Volkman Retractor, sharp, 4 teeth	2
21	AD 221.04	Volkman Retractor, blunt, 4 teeth	2
22	AD 283.05	Israel Retractor 25cm, 45x50mm	2
23	AD 541.00	Hibbs Retractor Set Fig.1+2	1
24	AE 390.16	Mayo-Hegar Needle Holder 16cm	2
25	AF 134.15	Allis Tissue-and Organ Hol.Fcp.15cm, 5:6 Teeth	4
26	AT 352.25	Foerster Dressing Forcep 25cm, serrated	6
27	AY 523.10	Frazier Suction Tube 19cm/Ch.10	1
28	KD 533.10	Cobb Elevator 24cm/10mm	1
29	KD 533.19	Cobb Elevator 24cm/19mm	1
30	KM 154.06	Smith-Petersen Bone Chisel 20cm/6mm, straight	1
31	KM 154.13	Smith-Petersen Bone Chisel 20cm/13mm, straight	1
32	KM 154.19	Smith-Petersen Bone Chisel 20cm/19mm, straight	1
33	KM 154.32	Smith-Petersen Bone Chisel 20cm/32mm, straight	1
34	KM 155.09	Smith-Petersen Bone Chisel 20cm/9mm, curved	1
35	KM 155.16	Smith-Petersen Bone Chisel 20cm/16mm, curved	1
36	KM 155.25	Smith-Petersen Bone Chisel 20cm/25mm, curved	1
37	KM 156.06	Smith-Petersen Gouge 20cm/6mm, straight	1
38	KM 156.14	Smith-Petersen Gouge 20cm/14mm, straight	1
39	KM 156.19	Smith-Petersen Gouge 20cm/19mm, straight	1
40	KM 157.09	Smith-Petersen Gouge 20cm/9mm, curved	1
41	KM 157.14	Smith-Petersen Gouge 20cm/14mm, curved	1
42	KM 157.25	Smith-Petersen Gouge 20cm/25mm, curved	1
43	KV 246.24	Bergmann Mallet 24cm/300g/Ø45mm	1
44	ND 756.24	Eif Nerv Hook 24cm,angled 90°, sharp	1
45	NL 882.05	Colclough Intervert.Disc Rong.150mm/5mm, 90° upwards cutting	1

Laminektomie Sieb
Laminectomy Set
Set per laminectomie
Juego para laminectomía



NX 002.22

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
1	AA 130.03	Standard Scalpel-Handle no.3/12,5cm,solid	2
2	AA 137.07	Standard Scalpel-Handle no.7, solid	1
3	AA 911.17	CT-ORO Mayo Scissor 17cm, curved	1
4	AA 960.18	CT-ORO Metzenbaum-Fino Dissect.Scis.18cm straight, bl/bl	1
5	AB 120.14	Standard Forcep Dress. 14cm	2
6	AB 186.18	Gerald Forcep Dress. 18cm, straight	1
7	AB 314.16	Tissue Forcep 16cm,1:2 Teeth, heavy pattern	1
8	AB 322.12	Forceps Tiss.12cm,1:2 Teeth, medium large	2
9	AB 368.12	Adson Forcep Tiss. 12cm, 1:2 Teeth	2
10	AB 386.17	Gerald Forcep Tiss. 17cm, 1:2 Teeth	2
11	AB 697.20	Gruenwald (Jansen) Dressing Forcep 20cm	2
12	AC 330.14	Kelly Artery Forcep 14cm,straight	2
13	AC 411.18	Péan-Rochester Artery Forcep 18cm, curved	10
14	AC 414.18	Kocher-Ochsner Art.Fcp.18cm,1:2Teeth, straight	2
15	AC 915.08	Backhaus Towel Forcep 8cm	4
16	AC 915.13	Backhaus Towel Forcep 13cm	4
17	AD 611.02	Kelly Retractor, 27 cm,190x 57 mm	2
18	AD 687.00	Parker-Langenbeck Retrac.21cm,Fig.1+2,	1
19	AD 728.14	Adson Retractor 14cm,3:4Teeth,semi-sharp	2
20	AD 751.16	Weitlaner Retractor 16cm,3:4 Teeth,blunt	2
21	AE 620.14	CT-ORO Castroviejo Needle-Holder 14cm, straight, smooth, with ratchet	2
22	AE 620.18	CT-ORO Castroviejo Needle-Holder 18cm, straight, micro profile, with ratchet	1
23	AE 638.15	CT-ORO Crile-Wood Needle Holder 15cm	2
24	AE 638.18	CT-ORO Crile-Wood Needle Holder 18cm	2
25	AF 136.22	Allis Tissue-and Organ Hol.Fcp.22cm,5:6T	2
26	AT 352.25	Foerster Dressing Forcep 25cm,serrated	2
27	AY 523.06	Frazier Suction Tube 19cm/Ch.6	2
28	AY 523.08	Frazier Suction Tube 19cm/Ch.8	2
29	AY 523.10	Frazier Suction Tube 19cm/Ch.10	2
30	AY 523.12	Frazier Suction Tube 19cm/Ch.12	2
31	KD 487.17	Adson Elevator 17cm,curved	1
32	KD 529.18	Watson-Cheyne Dissector, 18cm	1
33	KH 872.20	Adson Bone Rongeur Forcep 20cm/8mm, straight	1
34	KH 905.24	Leksell-Stille Bone Rongeur Fcp.24cm/8mm	1
35	KH 907.24	Leksell-Stille Bone Rongeur Fcp.24cm/4mm	1
36	KH 913.23	Stille-Luer Bone Rongeur Forcep 23cm, curved	1
37	KH 950.18	Ruskin-Liston Bone Cutting Fcp.18cm, straight	1
38	KK 336.10	Bruns Bone Curett 23cm,Fig.0,curved	1
39	KK 336.20	Bruns Bone Curett 23cm,Fig.00,curved	1
40	KK 336.30	Bruns Bone Curett 23cm,Fig.000,curved	1
41	KK 337.01	Bruns Bone Curette 23cm,Fig.1,curved	1
42	KK 337.02	Bruns Bone Curette 23cm,Fig.2,curved	1
43	KK 337.03	Bruns Bone Curette 23cm,Fig.3,curved	1
44	KK 337.04	Bruns Bone Curette 23cm,Fig.4,curved	1
45	KK 337.05	Bruns Bone Curette 23cm,Fig.5,curved	1
46	KK 337.06	Bruns Bone Curette 23cm,Fig.6,curved	1
47	ND 690.01	Penfield Dura-Dissector 17cm/Fig.1	1
48	ND 690.02	Penfield Dura-Dissector 19cm/Fig.2	1
49	ND 690.03	Penfield Dura-Dissector 19cm/Fig.3	1
50	ND 690.04	Penfield Dura-Dissector 20cm/Fig.4	1
51	ND 694.19	Love Nerv Root Hook 19cm,straight	2
52	ND 750.01	Caspar Exploration-and Coagulation Hook 240mm/Fig.1, insulated	1
53	ND 758.20	Dandy Nerv Hook 20cm	1
54	NL 970.00	BILLY I Laminectomy punch, Handle	1
55	NL 974.01ET	Billy I Punch, Tube-Shaft 18cm/1mm, 130°, with ejector	1
56	NL 975.02ET	Billy I Punch, Tube-Shaft 20cm/2mm, 130°, with ejector	1



Laminektomie Sieb
Laminectomy Set
Set per laminectomie
Juego para laminectomía

<u>Pos.</u>	<u>Art. No.</u>	<u>Description</u>	<u>Qty.</u>
57	NL 975.03ET	Billy I Punch, Tube-Shaft 20cm/3mm, 130°, with ejector	1
58	NL 975.04ET	Billy I Punch, Tube-Shaft 20cm/4mm, 130°, with ejector	1
59	NL 975.05ET	Billy I Punch, Tube-Shaft 20cm/5mm, 130°, with ejector	1
60	NL 994.12	Gruenwald (Cushing) Rongeur 18cm/2x10mm, straight	1
61	NL 995.12	Gruenwald (Cushing) Rongeur 18cm/2x10mm, curved up 30°	1
62	NL 995.14	Gruenwald (Spurling) Rongeur 18cm/4x10mm curved up 30°	1
63	NL 996.12	Gruenwald (Cushing) Rongeur 18cm/2x10mm, curved down 30°	1
64	NL 997.52	Caspar Rongeur fenestrated, jaws with teeths 18cm/2mm, straight	1
65	RD 546.18	Freer Elevator 18cm,doble,4,5mm,sh/bl	1
66	RD 557.20	Cottle Elevator 20cm/8mm, sharp	2



CONTAINER UND ZUBEHÖR
CONTAINER AND ACCESSORIES



CONTAINER ED ACCESSORI
CONTENEDORES Y ACCESORIOS

Bei Interesse fordern Sie bitte auch unsere Kataloge
"Container und Zubehör" & "Elektrochirurgie-Zubehör" an.

*If you are interested in, please ask for our catalogues
"Container and Accessories" and "Electrosurgery Accessories".*

In caso d'interesse Vi preghiamo di richiedere i nostri cataloghi
"Container ed Accessori" & "Accessori per Elettrochirurgia".

Por favor solicite también nuestros catálogos "Contenedores y
Accesorios" & "Accesorios para Electrocirugia".



ELEKTROCHIRURGIE-ZUBEHÖR
ELECTROSURGERY ACCESSORIES



ACCESSORI PER ELETTROCHIRURGIA
ACCESORIOS PARA ELECTROCIURUGIA

INHALTSVERZEICHNIS
INDEX
INDICE ALFABETICO
INDICE

A			
Ablegezangen.....	90	Clips, Köln	90
Adson CT-ORO Pinzetten.....	31	Cloward Durahaken.....	233
Adson Durahaken.....	233	Cloward Wirbelkörperspreizer.....	294
Adson Elevatorien.....	65	Cobb Hohlmeißel.....	61
Adson Pinzetten.....	29, 33, 35	Cobb Raspatorien.....	72-73
Adson Saugrohre.....	50	Cone Gehirnvatrikelpunktionskanülen.....	53
Adson Wundsperrer.....	46	Cone Schädelstanzzangen.....	85
Alm Wundsperrer.....	46	Cottle Elevatorien.....	57
Anatomische Pinzetten.....	28-30, 35	Cottle Hammer.....	138
Aneurysmen-Gefäß-Clips, Yasargil	102-115	Cottle Hautfaßpinzetten.....	37
Anlegezangen.....	89, 116-121	Cottle Meißel.....	63-138
Arachnoidea Messer.....	221	Cottle Spekula.....	137
Arterienklemmen.....	40-44	Cottle Tunnellier-Elevatorien.....	57
Atraumatic Mikro-Pinzetten.....	165	Crile Arterienklemmen.....	42
Atraumatic Mikro-Ring-Pinzetten.....	165-166	Crile Durahaken.....	223
		Crile-Rankin Arterienklemmen.....	43
B		Crile-Wood CT-ORO Nadelhalter.....	48
Baby-Crile Arterienklemmen.....	42	Crutchfield Schädelhalter.....	91
Badgley Laminektomie Sperrer.....	304	Crutchfield Vorbohrer.....	90
Bajonette Kerrison Laminekt.stanzen.....	276-278	CT-ORO Atraumatic-Mikro-Ring-Pinzetten.....	166
Barron Saugrohre.....	52	CT-ORO Nadelhalter, Mikro.....	188, 192-193, 196
Biemer Gefäßspreizer.....	247	CT-ORO Nadelhalter.....	48-49, 198
Biemer Mikro-Venenscheren.....	144	CT-ORO Pinzetten.....	31-32
BILLY I Griff Laminekt.stanzen.....	260-264, 316	CT-ORO Scheren.....	19-26
BILLY I Tube-Schäfte f. Endoskopie.....	210, 264	Cushing CT-ORO Pinzetten.....	31
BILLY I Tube-Schäfte Laminekt.....	260-264, 316	Cushing Durahaken.....	233
BILLY II Griffe Rongeur.....	266-269	Cushing Flachbohrer.....	86
BILLY II Tube-Schäfte Rongeur.....	266-269	Cushing Ganglionhaken.....	231
Bohrer.....	86, 310	Cushing Hirnspatel.....	81
Bohrhülsen.....	310	Cushing Nervhaken.....	231
Bohrloch Schutzzangen.....	85	Cushing-Landolt Spekula.....	136
Brom Venenhaken.....	232		
Brophy Pinzetten.....	30	D	
Büchs Raspatorien.....	64	Dahlgreen Schädelstanzen.....	84
		Dahmen Hohlmeißel.....	62
C		Dahmen Osteotome.....	62
Cages, HWS.....	324	Dandy Arterienklemmen.....	43
Carrel Arterienklemmen.....	40	Dandy Nervhaken.....	232
Caspar Blätter.....	300	Dandy Trigemini-Scheren.....	11
Caspar Bohrer.....	310	Davis Dura-Dissektoren.....	225
Caspar Bohrhülsen.....	310	De Bakey Atraumatic Pinzetten.....	38
Caspar Distractionschrauben.....	310	De Bakey CT-ORO Herz/Gefäßsscheren.....	26
Caspar Exploration- u. Koagul.häkchen.....	230	De Bakey CT-ORO Nadelhalter.....	48-49
Caspar Fadenhaltgebäbeln.....	248	De Bakey CT-ORO Pinzetten.....	32
Caspar Faßzangen.....	126	De Bakey Mikro-Pinzetten.....	177
Caspar Gegensperrer.....	307	De Martel Einführungsinst. für Drahtsägen.....	88
Caspar Haken.....	303	De Vilbiss Schädelstanzen.....	84
Caspar Löffel.....	313	Gabot Kerrison Laminektomiestanzen.....	279
Caspar Mikro-Dissektoren.....	244-245	D'Errico Nervwurzelhaken.....	228
Caspar Nervwurzelhaken.....	228	Dietrich Scheren.....	10
Caspar Raspatorien.....	68	Dilatatoren, Gefäß.....	247
Caspar Schraubendreher.....	311	Dissektoren, Dura.....	224-226
Caspar Skalpellgriffe.....	217	Dissektoren, Mikro.....	128, 237, 244-245
Caspar Spekula, lumbar.....	306	Dissektoren, Teller.....	96
Caspar Spinalküretten.....	314	Dissektoren, Wirbelkörper.....	311
Caspar Stößel.....	315	Dissektoren.....	56, 95-128, 224-226, 234-245, 311
Caspar Valven, schwarz.....	307	Distractionschrauben.....	310
Caspar Valven, Titan.....	301	Distraktoren, Wirbelkörper.....	308-309
Caspar Valven.....	298, 300	Doppelsonden, Mikro.....	247
Caspar Wirbelkörperdissektoren.....	311	Drahtsägen.....	88
Caspar Wirbelkörperdistraktoren.....	308-309	Duehrssen Pinzetten.....	30
Caspar Wirbelkörperspreizer.....	298-299, 302	Dunhill Arterienklemmen.....	43
Caspar Zangen.....	286-287	Dura-Dissektoren.....	224-226
Castroviejo Mikro-CT-ORO-Nadelhalter.....	192-193	Dura-Haken.....	233
Castroviejo Mikro-Nadelhalter.....	190-191	Dura-Scheren.....	11
Chirurgische Pinzetten.....	33-34, 36	Dura-Separatoren.....	227
Clip-Entnahmezangen.....	122		
Clips, Aneurysmen, Yasargil	102-115	E	
		Eif Nervhaken.....	232
		Einführungsinstrument für Drahtsägen.....	88
		Einsätze, Knopfsonden.....	96
		Einsätze, Lanzettenmesser.....	95
		Einsätze, Löffel.....	97
		Einsätze, Nadeln.....	96
		Einsätze, Nervhaken.....	96
		Einsätze, Polytom Messer.....	95
		Einsätze, Ringküretten.....	97
		Einsätze, Sichelmesser.....	95
		Einsätze, Tellermesser.....	95
		Einsätze, Zugmesser.....	95
		Elevatorien, Antrum.....	57
		Elevatorien, Septum.....	57
		Elevatorien, Tunnellier.....	57
		Elevatorien.....	54-57, 65, 71, 243
		Entnahmezangen, Clip.....	122
		Errico Bohrer.....	86
		Exploration- u. Koagulationshäkchen.....	230
		F	
		Fadenführer, Mikro.....	238
		Fadenhaltgebäbeln.....	248
		Fadenscheren CT-ORO.....	25
		Fahlbusch Löffel.....	130
		Fahlbusch Mikro-Scheren.....	126
		Farabeuf Raspatorien.....	68
		Fasszangen, Mikro.....	204-205, 210-211, 316-317
		Fasszangen.....	126
		Federschere, Mikro.....	144-145
		Feine Häkchen.....	236
		Feine Mikro-Scheren.....	201
		Feine Scheren.....	9, 13-15
		Ferguson Saugrohre.....	50-51
		Ferris-Smith Laminektomie-zangen.....	290
		Finsen Wundsperrer.....	46
		Fisch Feine Häkchen.....	236
		Flachmeißel.....	58
		Foraminotomie Stanzen.....	280
		Frazier Dura-Haken.....	233
		Frazier Dura-Separatoren.....	227
		Frazier Gehirnvatrikelpunktionskanülen.....	53
		Frazier Saugrohre.....	50
		Freer Elevatorien.....	56
		Freer-Yasargil Elevatorien.....	56
		Fukushima Saugrohre.....	51
		G	
		Gabelförmige Spatel.....	129
		Ganglionhaken.....	231
		Gaumenraspatorien.....	65
		Gefäßdilatoren.....	247
		Gefäßmesser, Mikro.....	221
		Gefäßspreizer.....	247
		Gegensperrer.....	307
		Gehirnvatrikelpunktionskanülen.....	53
		Gerald Pinzetten, Mikro.....	177
		Gerald Pinzetten.....	30, 34
		Gewebekrallen.....	246
		Gigli Sägen.....	88
		Gillies Pinzetten.....	33
		Goldmann-Fox CT-ORO Scheren.....	25
		Gorney Präparierscheren.....	8
		Graefe Irispinzetten.....	37
		Graham Dura-Haken.....	233
		Griffe für Laminektomiest., BILLY I	210, 260-264, 316
		Griffe für Rongeuere, BILLY II	266-269
		Griffe, Mikro-Skalpell.....	217
		Griffe, Skalpell.....	219
		Groning Nervhaken.....	231



Gruenwald (Jansen) Pinzetten	36	J		Laminektomie-Sperrer.....	295, 304
Gruenwald CT-ORO Pinzetten	32	Jacobs Vorbohrer.....	90	Laminektomiestanzen, BILLY I Griff..	210, 260-264, 316
Gruenwald Zangen	284-286	Jacobson Fadenhaltegabeln.....	248	Laminektomiest., BILLY I Tube-Schäfte...	260-264, 316
H		Jacobson Mikro-Doppelsonden.....	247	Laminektomiestanzen, Bajonette Kerrison	276-278
Hajek Keilbeinstanzen.....	281	Jacobson Mikro-Knopfsonden.....	247	Laminektomiestanzen, Depot Kerrison	279
Häkchen , Explorations- u. Koagulation.....	230	Jacobson-(Castrov.) CT-ORO Mikronadelh. ...	192-193	Laminektomiestanzen, Kerrison	273-274
Häkchen , Fein.....	236	Jacobson-(Castroviejo) Mikronadelh.....	190-191	Laminektomiestanzen, Plattfuß.....	272
Häkchen , Knopf.....	236	Jameson Dura-Scheren.....	11	Laminektomiestanzen, Spurling-Kerrison	270-271
Häkchen , Mikro.....	236-237	Jannetta Dissektoren.....	242	Laminektomiestanzen, zerlegbar, Kerrison	275
Häkchen , Nerv.....	96, 228-232, 237-241	Jannetta Elevatoren.....	243	Laminektomiezangen.....	290
Häkchen	130, 235, 242	Jannetta Gabeln.....	243	Landolt Erukleatoren.....	129
Haken , Dura.....	233	Jannetta Häkchen.....	242	Landolt Häkchen.....	129
Haken , Ganglion.....	231	Jannetta Hohlmesser.....	243	Landolt Hypophysenzangen.....	127, 282
Haken , Mikro.....	239-240	Jannetta Kugelsonden.....	243	Landolt Spreizzangen.....	136
Haken , Nervwurzel.....	228-229	Jannetta Litagurnadeln.....	243	Landolt Küretten.....	129
Haken , Venen.....	232	Jannetta Raspatorien.....	242	Landolt Löffel.....	129
Haken	303, 305	Jansen Ohrpinzetten.....	36	Landolt Raspatorien.....	68
Hakenscheren , Mikro.....	210-211, 316-317	Jansen Raspatorien.....	66	Landolt Skalpellgriffe.....	218
Halle Dura-Messer.....	216	Jefferson Gehirnentrikelpunktionsskanülen.....	53	Landolt Spreizzangen.....	136
Halle Septum-Elevatoren.....	57	Jefferson Wundsperrer.....	47	Landolt-Reulen Dissektoren.....	130
Halsted-Mosquito Arterienklemmen.....	40	Joseph Elevatoren.....	71	Landolt-Reulen Häkchen.....	130
Hammer	138	K		Landolt-Reulen Löffel.....	130
Handbohrapparate	86-87	Kanülen, Gehirnentrikel.....	53	Landolt-Reulen Raspatorien.....	130
Hardy Implantationsgabeln.....	128	Kanülen, Ohr.....	52	Langenbeck Elevatoren.....	54
Hardy Küretten.....	132	Kegelfräser.....	86	Langenbeck Raspatorien.....	65-66
Hardy Mikro-Dissektoren.....	128	Keilbeinstanzen.....	281	Lanzettenmesser, Mikro.....	223
Hardy Skalpellgriffe.....	219	Keilbeinstanzen.....	281	Lanzettenmesser.....	95, 223
Hardy-Fahlbusch Mikro-Dissektoren.....	128	Kelly Arterienklemmen.....	42	Lazar Mikro-Knüppel-pinzetten.....	154
Hartmann Arterienklemmen.....	40	Kelly-Rankin Arterienklemmen.....	42	Lebsche Einführungsinstr. für Drahtsägen.....	88
Hautfaspinzetten	37	Kerrison Laminektomiestanzen, Bajonette.....	276-278	Leriche Arterienklemmen.....	41
Hautscheren	27	Kerrison Laminektomiestanzen, Depot.....	279	Lexer CT-ORO Scheren.....	23
Hegar Vascular CT-ORO Nadelhalter.....	48	Kerrison Laminektomiestanzen, zerlegbar.....	275	Lexer Hohlmessel.....	59
Heifetz Hirnspatel.....	80	Kerrison Laminektomiestanzen.....	273-274	Lexer Osteotome.....	59
Heifetz Tumorpinzetten.....	182	Key Elevatoren.....	65	Leyla Retraktor-Systeme.....	76-79
Hepp/Scheidel Mikro-Scheren.....	145	Kilian Elevatoren.....	56-57	Leyla Spatelhalter für Flachspatel.....	76, 78-79
Herz- u. Gefäßsch. , Scheren.....	10, 152	Kilner Scheren.....	9	Leyla Spatelhalter für Rundschafspatel.....	79
Hess Nervwurzelhaken.....	229	Klammern, Kopfhaut.....	90	Ligaturpinzetten, Mikro.....	168
Hey Valven.....	297	Klammern, Silber.....	89	Ligaturscheren.....	16
Hey Wirbeldorne.....	297	Klammernblöcke.....	89	Lister Verbandscheren.....	17
Hey Wirbelkörperspreizer.....	297	Kleinsasser Alligator Mikro-Faßzangen.....	204-205	Litagurnadeln.....	243
Hirnspatel	76, 80-83	Kleinsasser Mikro-Faßzangen.....	204-205	Littler Ligaturscheren.....	16
Hirnspatelhalter	78	Kleinsasser Mikro-Löffelzängchen.....	206-208	Löffel, Mikro.....	249-252
Hoen Dura-Separatoren.....	227	Kleinsasser Mikro-Scheren.....	202-203	Löffel, Spinal.....	312
Hoen Nasenzangen.....	290	Klammern, Arterien.....	40-44	Löffel.....	97, 129-130, 235, 313
Hohlmeissel	58-62	Klingen, Mikro.....	218	Löffelzangen.....	126, 206-211, 316-317
Hohlmesser	243	Knopfhäkchen.....	236	Logan Wundsperrer.....	46
Holsher Nervwurzelhaken.....	229	Knopfsonden, Mikro.....	247	Love Nervwurzelhaken.....	228
Horsley Dura-Separatoren.....	227	Knopfsonden.....	96	Love-Gruenwald Laminektomiezangen.....	284
Hosobuchi Gabelförmige Spatel.....	129	Knüppel-pinzetten, Mikro.....	154-159, 172-175	Lovelace Arterienklemmen.....	43
House Saug- und Spülkanülen.....	52	Koagulations- u. Explorationshäkchen.....	230	Lucae Ohrpinzetten.....	36
House Saugadapter.....	50	Kocher Arterienklemmen.....	44	M	
Howarth Elevatoren.....	57	Kölner Clips.....	90	Malis Nervhaken.....	232
Hudson Handbohrapparate.....	86	König Elevatoren.....	56	Mannerfelt Raspatorien.....	331
Hunt Tumorpinzetten.....	178	König Raspatorien.....	70	Mannerfelt Raspatorien.....	67-68
HWS-Cages	324	Koos Mikro-Gefäßmesser.....	221	Martell Umführungsinstr. für Drahtsägen.....	88
HWS-Platten	327	Kopfhautklammern.....	90	Matthieu Fremdkörperzangen.....	286
HWS-Schrauben	326	Koronarscheren.....	153	Mayo CT-ORO Scheren.....	20
HWS-Wirbelkörperersatz	325	Krämer Raspatorien.....	66	Mayo Scheren.....	5
Hypophysenküretten	131	Kranial Instrumente.....	94	Mayo-Lexer CT-ORO Scheren.....	22
Hypophysenpinzetten	136	Krayenbühl Nerv- u. Gefäßhäkchen.....	238	Mayo-Stille CT-ORO Scheren.....	20
Hypophysenzangen	127, 282	Kugelfräser.....	86	Mc Donald Elevatoren.....	56
Implantationsgabeln	128	Kugelsonden.....	243	Mc Indoe Pinzetten.....	29, 34
I		Küretten, Mikro.....	249	Mc Kenty Elevatoren.....	71
Inge Wirbelkörperspreizer.....	295	Küretten.....	97, 131-135, 313-314	Mc Kenzie Anlegezangen.....	89
Irispinzetten	37	L		Mc Kissock Raspatorien.....	66
		Lambotte Meißel.....	60	Mead Raspatorien.....	64
		Lambotte Raspatorien.....	71	Meißel.....	58-63, 138, 243
		Laminektomie Spreizer Rahmen.....	305	Messer, Arachnoidea.....	221

Inhaltsverzeichnis

Messer.....	95, 216, 220-223	O	
Meißschieber.....	311	Obwegeser Osteotome.....	63
Metzenbaum CT-ORO Präparierscheren.....	23	Ohrkanülen.....	52
Metzenbaum CT-ORO Scheren.....	22	Ohrpinzetten.....	36
Metzenbaum Scheren.....	6-7	Ohrspekulahalter.....	78
Metzenbaum-Fino CT-ORO Präparierscheren.....	24	Okonek-Yasargil Tumorgabeln.....	246
Metzenbaum-Fino Präparierscheren.....	8	Oldberg Hypophysenzangen.....	127, 282
Meyering Laminektomie-Sperrer.....	295	Olivecrona Dura-Dissektoren.....	224
Mikro- Adson Pinzetten.....	35	Olivecrona Hirnspatel.....	81
Mikro- Adson-Biemer Pinzetten.....	35	Olivecrona Neurochirurg. Scheren.....	12
Mikro-Dissektoren.....	128, 237, 244-245	Olivecrona Sägen.....	88
Mikro-Doppelsonden.....	247	Olivecrona-Toennis Anlegezangen.....	89
Mikro-Fadenführer.....	238	Oppel Knopfhäkchen.....	236
Mikro-Fasszangen.....	204-205, 210-211, 316-317	Oppel Mikro-Dissektoren.....	244
Mikro-Federscheren.....	144-145	Oppel Mikro-Faßzangen.....	204
Mikro-Gefäßmesser.....	221	Oppel Mikro-Lanzettenmesser.....	223
Mikro- Gerald -Pinzetten.....	177	Oppel Mikro-Löffelzängchen.....	206
Mikro-Häkchen.....	236-240	Oppel Mikro-Scheren.....	202
Mikro-Hakenscheren.....	210-211, 316-317	Optiken für Neuro.....	212, 265, 318
Mikro-Klingen.....	218	Osteotome.....	58-60, 62-63
Mikro-Knopfsonden.....	247		
Mikro-Küretten.....	249	P	
Mikro-Lanzettenmesser.....	223	Papavero Meißel.....	138
Mikro-Ligaturpinzetten.....	168	Papavero-Caspar Spekula.....	137
Mikro-Löffel.....	249-252	Papavero-Hartmann Spreizer für Spekula.....	137
Mikro-Löffelzangen.....	206-211, 316-317	Partsch Mod.Lange Raspatorien.....	64
Mikro-Messer.....	95	Péan Arterienklemmen.....	44
Mikro- Mosquito Arterienklemmen.....	41	Peapod Zangen.....	283
Mikro-Nadelhalter.....	184-199	Penfield Dura-Dissektoren.....	226
Mikro-Pinzetten.....	154-183	Pinzetten CT-ORO, Atraumatic-Mikro-Ring.....	166
Mikro-Präparierscheren.....	144, 147-148	Pinzetten CT-ORO.....	31-32
Mikro-Raspatorien.....	133, 254-255	Pinzetten für Mikroskopie.....	28
Mikro-Ringküretten.....	134-135	Pinzetten, Anatomisch.....	28-30, 35
Mikro-Ring-Pinzetten.....	164-166, 171, 176	Pinzetten, Atraumatic.....	38, 165
Mikro-Scheren.....	126, 144-153, 201-203, 210	Pinzetten, Chirurgisch.....	33-34, 36
Mikro-Skalpellgriffe.....	217	Pinzetten, CT-ORO, Atraumatic.....	166
Mikro-Umführungsnadeln.....	237	Pinzetten, Hypophyse.....	136
Mikro-Venenscheren.....	144	Pinzetten, Iris.....	37
Millesi Mikro-Scheren.....	144	Pinzetten, Mikro.....	154-163, 167, 169-170, 177
Milligan Dura-Dissektoren.....	225	Pinzetten, Mikro-Knüpfl.....	154-159, 172-175
Mini-Adson Pinzetten.....	35	Pinzetten, Mikro-Ring.....	164, 171, 176
Mod. Aachen Hirnspatel.....	82	Pinzetten, Ohr.....	36
Mollison Wundsperrer.....	47	Pinzetten, Tumor.....	178-182
Molt Raspatorien.....	64	Pinzetten.....	28-38, 154-183
Moore Handbohrapparate.....	87	Platten, HWS.....	327
		Plattfuß Laminektomiestanzen.....	272
N		Plester Saugrohre.....	50
Nadelhalter CT-ORO.....	48-49, 198	Polytom Messer.....	95
Nadelhalter, CT-ORO Mikro.....	188, 192-193, 196	Poppen Saugrohre.....	50
Nadelhalter, fein.....	49	Potts-Smith CT-ORO Pinzetten.....	31
Nadelhalter, Mikro Reill	189	Potts-Smith Herz- u. Gefäßscheren.....	10
Nadelhalter, Mikro.....	184-187, 193-195, 199	Potts-Smith Pinzetten.....	30
Nadelhalter, Titan Mikro.....	185	Präparierscheren, Mikro.....	144, 147-148
Nadelhalter.....	48-49, 184-199	Präparierscheren.....	7-8, 12
Nadeln, Ligatur.....	243	Providence-Hospital Arterienklemmen.....	41
Nadeln.....	96, 235, 237, 243	Punktionskanülen, Gehirnventrikel.....	53
Nahtscheren CT-ORO.....	21		
Nasenzangen.....	290	Q	
Nerv- u. Gefäßhäkchen.....	238	Quervain Elevatorien.....	54
Nervhaken.....	96, 231-232, 237, 241	Quinke Gehirnventrikelpunktionskanülen.....	53
Nerv-Präparierscheren.....	7		
Nervwurzelhaken.....	228-229	R	
Neurochirurgische Scheren.....	11-12	Raney An- und Ablegezangen.....	90
Nicola Küretten.....	133	Raney Kopfhautklammern.....	90
Nicola Mikro-Raspatorien.....	133	Raney Laminektomie Sperrer.....	304
Nicola Mikro-Scheren.....	126	Raspatorien, Gaumen.....	65
Niederdelmann Osteotome.....	60	Raspatorien, Mikro.....	133, 254-255
		Raspatorien.....	64-73, 130, 242, 331
		Ray Hypophysenküretten.....	131
		Reill Nadelhalter, Mikro.....	189
		Retraktor-Systeme.....	76-78
		Reynolds Scheren.....	9
		Rhoton Dissektoren.....	234
		Rhoton Elevatoren.....	234-235
		Rhoton Häkchen.....	235
		Rhoton Kugelsonden.....	235
		Rhoton Löffel.....	235
		Rhoton Nadeln.....	235
		Ringküretten, Mikro.....	134-135
		Ringküretten.....	97
		Ring-Pinzetten CT-ORO, Atraumatic-Mikro.....	166
		Ring-Pinzetten, Mikro.....	164, 171, 176
		Rongeur.....	266-269, 282-290
		Rongeur, Griffe, BILLY II	266-269
		Rongeur, Tube-Schäfte, BILLY II	266-269
		Rosen Saug- und Spülkanülen.....	52
		S	
		Sachs Dura-Dissektoren.....	225
		Sachs Dura-Haken.....	233
		Sägen.....	88
		Samii Lanzettenmesser.....	223
		Samii Tumormesser.....	222-223
		Samii Tumorpinzetten.....	180
		Saug- und Spülkanülen.....	50, 52
		Saugadapter.....	50
		Saugrohre.....	50-52
		Schädelhalter.....	91
		Schädelstanzen.....	84
		Schädelstanzzangen.....	85
		Scheren, CT-ORO.....	19-26
		Scheren, Dura.....	11
		Scheren, für Herz- u. Gefäß.....	152
		Scheren, Fein.....	9, 13-15, 201
		Scheren, Haut.....	27
		Scheren, Koronar.....	153
		Scheren, Ligatur.....	16
		Scheren, Mikro.....	144-151, 201-203, 210
		Scheren, Mikro-Venen.....	144
		Scheren, Nerv-Präparier.....	7
		Scheren.....	2-27, 126, 144-153
		Schlesinger Laminektomieezangen.....	288
		Schmieden-Taylor Dura-Scheren.....	11
		Schneider Raspatorien.....	70
		Schrauben, HWS.....	326
		Schraubendreher.....	311
		Schuhknecht Ohrkanülen.....	52
		Schul Wirbelsäulensperrer.....	296
		Schutzzangen.....	85
		Scoville Haken.....	305
		Scoville Laminektomie Spreizer Rahmen.....	305
		Scoville Nervwurzelhaken.....	229
		Scoville-Haverfield Spreizer.....	305
		Sebileau Elevatorien.....	54
		Sedillot Raspatorien.....	68
		Seldin Raspatorien.....	64
		Semken Pinzetten.....	29
		Semmes Spinalküretten.....	313
		Separatoren, Dura.....	227
		Sewall Antrum-Elevatorien.....	57
		Sichelmesser.....	95, 220
		Silberklammern.....	89
		Skalpellgriffe, Mikro.....	217
		Skalpellgriffe.....	219
		T	
		Toennis Dura-Messer.....	216
		Toennis Präparierscheren.....	12



Toennis Tumorfalßzange.....	200	Zangen, Clip-Entnahme.....	122
Toennis-Adson CT-ORO Scheren.....	25	Zangen, Hypophyse.....	127, 282
Toennis-Adson Präparierscheren.....	12	Zangen, Laminektomie.....	288
Trelat Raspatorien.....	66	Zangen, Love-Gruenwald	284
Trephin.....	86	Zangen, Mikro.....	204-205, 210-211, 316-317
Tube-Schäfte für Endoskopie.....	210, 264	Zangen, Nase.....	290
Tumorgabeln.....	246	Zangen.....	266-269, 283-289
Tumormesser.....	222-223	Zielke Hohlmeißel.....	60
Tumorpinzetten.....	178-182	Zugmesser.....	95
Tuohy Gehirnventrikipunktionskanülen.....	53		
U			
Umführungsnadeln, Mikro.....	237		
V			
Valven.....	297-298		
Vannas Mikro-Federscheren.....	144-145		
Vannas Mikro-Scheren.....	146		
Venenhaken.....	232		
Venenscheren-Mikro.....	144		
Verbandscheren.....	17		
Vise Mikro-Knüpppinzetten.....	155		
Vorbohrer.....	90		
W			
Wagner Scheren.....	13		
Wagner Zangen.....	283		
Walter Hohlmeißel.....	58		
Wangenstein CT-ORO Pinzetten.....	32		
Watson-Cheyne Dissektoren.....	56		
Waugh Pinzetten.....	34		
Weil Blakesley Zangen.....	289		
Weitlaner Wundsperrer.....	46		
Williams Wundsperrer.....	296		
Williger Elevatorien.....	56		
Williger Raspatorien.....	70		
Wirbeldome.....	297		
Wirbelkörperdissektoren.....	311		
Wirbelkörperdistraktoren.....	308-309		
Wirbelkörperersatz, HWS.....	325		
Wirbelkörperspreizer.....	294-298, 302		
Wullenstein Saugkanülen.....	50		
Wullenstein Saugrohre.....	50		
Wundsperrer.....	46-47, 296		
Y			
Yankauer Saugrohre.....	51		
Yasargil Aneurysmen-Gefäß-Clips.....	102-115		
Yasargil Arachnoidea Messer.....	221		
Yasargil Galeahaken.....	92		
Yasargil Hirnspatelhalter.....	78		
Yasargil Hypophysenzangen.....	127, 282		
Yasargil Mikro-Fadenführer.....	238		
Yasargil Mikro-Küretten.....	249		
Yasargil Mikro-Nadelhalter.....	193-195, 199		
Yasargil Mikro-Pinzetten.....	167		
Yasargil Mikro-Präparierscheren.....	147-148		
Yasargil Mikro-Raspatorien.....	254-255		
Yasargil Mikro-Scheren.....	146-148		
Yasargil Saugrohre.....	51		
Yasargil Spannarme.....	76, 78		
Yasargil Tumorgabeln.....	246		
Yasargil Tumorpinzetten.....	179-182		
Yasargil-Nicola scharfe Löffelzangen.....	126		
Yasargil-Samii Tumorpinzetten.....	182		
Z			
Zängchen, Mikro-Löffel.....	206-208		
Zangen, An- und Ablege.....	89-90, 116-121		



Index

- A**
Adson CT-ORO Forceps.....31
Adson Dura Hooks.....233
Adson Elevator.....65
Adson Forceps.....29, 33, 35
Adson Retractors.....46
Adson Suction Tubes.....50
Alm Retractors.....46
Aneurysmen-Vessel-Clips, **Yasargil**.....102-115
Applying Forceps.....89, 116-121
Arachnoid Knives.....221
Artery Forceps.....40-44
Atraumatic Micro-Forceps.....165
Atraumatic Micro-Ring-Forceps CT-ORO.....166
Atraumatic Micro-Ring-Forceps.....165
- B**
Baby-Crile Artery Forceps.....42
Badgley Laminectomy Spreader.....304
Bajonette Kerrison Laminectomy Punch.....276-278
Ball Probe.....96
Ball-pointed Probe, Micro.....247
Ball-pointed Probe.....243
Bandage Scissors.....17
Barron Suction Tubes.....52
Biemer Micro-Vein Scissors.....144
Biemer Vessel Spreader.....247
BILLY I Laminect. Punch, Handle.....210, 260-264, 316
BILLY I Laminect. Punch, Tube-Shaft.....260-264, 316
BILLY I Tube-Shaft for endoscopes.....210, 264
BILLY II Rongeur, Handle.....266-269
BILLY II Rongeur, Tube-Shaft.....266-269
Blades, Micro.....218
Body, Cervical Spine.....325
Bone Chisel.....58
Bone Curette.....97, 235, 313
Bone Curette, Spinal.....312
Bore Holding Protecting Forceps.....85
Brain Clips, Silver.....89
Brain Spatula.....76, 80-83
Brom Vein Hooks.....232
Brophy Forceps.....30
Büchs Raspatory.....64
Burr.....86, 310
Buttomed Hooks.....236
- C**
Cages, Cervical Spine.....324
Caliper.....311
Cannula, Ear.....52
Cannula, Ventriculo.....53
Cardiovascular Surgery, Scissors.....10, 152
Carrel Artery Forceps.....40
Caspar Blades.....300
Caspar Bone Curette.....313
Caspar Counter-Retractor.....307
Caspar Distraction Screw.....310
Caspar Drill guide.....310
Caspar Drill.....310
Caspar Exploration and Coagulation Hooks.....230
Caspar Grasping Forceps.....126
Caspar Hooks.....303
Caspar Impactor.....315
Caspar Lamina Distractor.....308-309
Caspar Lamina Spreader.....298-299, 302
Caspar Ligature Adjuster.....248
Caspar Micro-Dissectors.....244-245
Caspar Nerv Root Retractors.....228
Caspar Raspatory.....68
Caspar Rongeur.....286-287
Caspar Scalpel Handle.....217
Caspar Screw Driver.....311
Caspar Specula, lumbar.....306
Caspar Spinal Fusion Curette.....314
Caspar Valves.....298-307
Caspar Vertebral Body Dissector.....311
Castroviejo Micro-CT-ORO-Needle Holder.....192-193
Castroviejo Micro-Needle Holder.....190-191
Cervical Spine, Body.....325
Cervical Spine, Cages.....324
Cervical Spine, Plates.....327
Cervical Spine, Screws.....326
Chisel.....58-62, 243
Chisel.....58-63, 138
Clip Carrier.....89
Clip Removing Forceps.....122
Clips, Aneurysmen, **Yasargil**.....102-115
Clips, Hemostasis.....90
Clips, **Kölnner**.....90
Cloward Dura Hooks.....233
Cloward Lamina Spreader.....294
Cobb Gouge.....61
Cobb Raspatory.....72-73
Cone Skull Punch.....85
Cone Ventriculopuncture Cannula.....53
Conical Burr.....86
Coronary Scissors.....153
Cottle Chisel.....63-138
Cottle Elevator.....57
Cottle Mallets.....138
Cottle Specula.....137
Cottle Tissue Forceps.....37
Cottle Tunnelling-Elevator.....57
Counter-retractor.....307
Cranial instruments.....94
Cranial Rongeur.....84
Crile Artery Forceps.....42
Crile Dura Hooks.....223
Crile-Rankin Artery Forceps.....43
Crile-Wood CT-ORO Needle Holder.....48
Crutchfield Drill Point.....90
Crutchfield traction tongs.....91
CT-ORO Atraumatic-Micro-Ring-Forceps.....166
CT-ORO Forceps.....31-32
CT-ORO Needle Holder, Micro.....188, 192-193, 196
CT-ORO Needle Holder.....48-49, 198
CT-ORO Scissors.....19-26
Curettes for hypophysis.....131
Curettes.....97, 129-135, 249, 313-314
Cushing Brain Spatula.....81
Cushing CT-ORO Forceps.....31
Cushing Dura Hooks.....233
Cushing Flat Trephine.....86
Cushing Ganglion Hooks.....231
Cushing Nerv Hooks.....231
Cushing-Landolt Specula.....136
- D**
Dahlgreen Cranial Rongeur.....84
Dahmen Gouge.....62
Dahmen Osteotome.....62
Dandy Artery Forceps.....43
Dandy Nerv Hooks.....232
Dandy Trigeminal Scissors.....11
Davis Dura-Dissectors.....225
De Bakey Atraumatic Forceps.....38
De Bakey CT-ORO Cardiovasc. Scissors.....26
De Bakey CT-ORO Forceps.....32
De Bakey CT-ORO Needle Holder.....48-49
De Bakey Micro-Forceps.....177
De Martel Guiding instrument for wire saws.....88
De Vibiss Cranial Rongeur.....84
Depot **Kerrison** Laminectomy Punch.....279
D'Errico Nerv Root Retractors.....228
Dietrich Scissors.....10
Dilators, Vessel.....247
Disc Dissector.....96
Disc Knives.....95
Dissecting Scissors, Micro.....144, 147-148
Dissecting Scissors, Nerve.....7
Dissecting Scissors.....7-8, 12
Dissector.....56, 95-128, 224-226, 234-245, 311
Dissectors, Disc.....96
Dissectors, Dura.....224-226
Dissectors, Micro.....128, 237, 244-245
Dissectors, Vertebral Body.....311
Distraction Screw.....310
Distraktoren, Vertebral Body.....308-309
Dressing Forceps.....28-30, 35
Drill guide.....310
Drill Point.....90
Duehrssen Forceps.....30
Dunhill Artery Forceps.....43
Dura Hooks.....233
Dura-Dissectors.....224-226
Dura-Scissors.....11
Dura-Separators.....227
- E**
Ear Dressing Forceps.....36
Ear Specula Holder.....78
Ear-Cannula.....52
Eif Nerv Hooks.....232
Elevator.....54-57, 65, 71, 243
Endoscopes for Neurosurgery.....212, 265, 318
Errico Burr.....86
Exploration and Coagulation Hooks.....230
- F**
Fahlbusch Micro Scissors.....126
Fahlbusch Scoop.....130
Farabeuf Raspatory.....68
Fergusson Suction Tubes.....50-51
Ferris-Smith Laminectomy Forceps.....290
Fine Hooks.....236
Fine Micro-Scissors.....201
Fine Scissors.....9, 13-15
Finsen Retractors.....46
Fisch Fine Hooks.....236
Footplate Laminectomy Punch.....272
Forceps, Applying.....89-90, 116-121
Foraminotomy Punch.....280
Forceps CT-ORO, Atraumatic-Micro-Ring.....166
Forceps CT-ORO.....31-32
Forceps cup shaped, Micro.....206-211, 316-317
Forceps for Microscope.....28
Forceps for Hypophysis.....136
Forceps, Artery.....40-44
Forceps, Atraumatic.....38, 165
Forceps, Clip-Removing.....122
Forceps, CT-ORO, Atraumatic.....166
Forceps, Dressing.....28-30, 35
Forceps, Ear.....36
Forceps, Hypophysis.....127, 136, 282
Forceps, Iris.....37
Forceps, Laminectomy.....288
Forceps, **Love-Gruenwald**.....284



- Forceps, Micro.....154-182
 Forceps, Micro for Endoscope.....316-317
 Forceps, Micro Tube Shaft.....204-211
 Forceps, Micro-Gerald.....177
 Forceps, Nose.....290
 Forceps, Tissue.....33-34, 36
 Forceps, Tumor.....178-182
 Forceps.....28-38, 154-182
 Fork Spatula.....129
Frazier Dura Hooks.....233
Frazier Dura-Separators.....227
Frazier Suction Tubes.....50
Frazier Ventriculopuncture Cannula.....53
Freer Elevator.....56
Freer-Yasargil Elevator.....56
Fukushima Suction Tubes.....51
- G**
 Ganglion Hook.....231
Gerald Forceps.....30, 34, 177
Gigli Saws.....88
Gillies Forceps.....33
Goldmann-Fox CT-ORO Scissors.....25
Gorney Dissecting Scissors.....8
 Gouge.....58-62
Graefe Iris Forceps.....37
Graham Dura Hooks.....233
 Grasping Forceps, Micro.....204-205, 210-211, 316-317
 Grasping Forceps.....126
Groning Nerv Hooks.....231
Gruenwald (Jansen) Forceps.....36
Gruenwald CT-ORO Forceps.....32
Gruenwald Rongeur.....284-286
 Guiding instrument for wire saws.....88
- H**
Hajek Sphenoid Punch.....281
Halle Dura Knives.....216
Halle Septum Elevator.....57
Halsted-Mosquito Artery Forceps.....40
 Hand Drill.....86-87
 Handle, Laminect. Punch, **BILLY I**.....210, 260-264, 316
 Handle, Rongeur, **BILLY II**.....266-269
 Handle, Micro-Scalpel.....217
 Handle, Scalpell.....219
Hardy Curette.....132
Hardy Implant Fork.....128
Hardy Micro-Dissector.....128
Hardy Scalpel Handle.....219
Hardy-Fahlbusch Micro-Dissector.....128
Hartmann Artery Forceps.....40
Hegar Vascular CT-ORO Needle Holder.....48
Heifetz Brain Spatula.....80
Heifetz Tumor Forceps.....182
 Hemostasis Clips.....90
Hepp/Scheidel Micro-Scissors.....145
Hess Nerv Root Retractors.....229
Hey Blades.....297
Hey Lamina Spreader.....297
Hey Spinous Pins.....297
Hoer Dura-Separators.....227
Hoer Nasal Forceps.....290
Holsher Nerv Root Retractors.....229
 Hook Scissors, Micro.....210-211, 316-317
 Hooks, Buttoned.....236
 Hooks, Dura.....233
 Hooks, Exploration and Coagulation.....230
 Hooks, Ganglion.....231
 Hooks, Nerve.....96, 228-232, 237-241
- Hooks.....130, 235-242, 303, 305
Horsley Dura-Separators.....227
Hosobuchi Fork Spatula.....129
House Suction adapter.....50
House Suction and Irrigation cannula.....52
Howarth Elevator.....57
Hudson Hand Drill.....86
Hunt Tumor Forceps.....178
- I**
 Impactor.....315
 Implant Fork.....128
Inge Lamina Spreader.....295
 Iris Forceps.....37
- J**
Jacobs Drill Point.....90
Jacobson Ligature Adjuster.....248
Jacobson Micro-Vessel Probe with ball tip.....247
Jacobson-(Castrov.) Micro Needle Holder.....190-193
Jameson Dura Scissors.....11
Jannetta Ball-pointed Probe.....243
Jannetta Dissectors.....242
Jannetta Elevator.....243
Jannetta Fork.....243
Jannetta Hooks.....242
Jannetta Knife hollow.....243
Jannetta Ligature carrier.....243
Jannetta Raspatory.....242
Jansen Ear Dressing Forceps.....36
Jansen Raspatory.....66
Jefferson Retractors.....47
Jefferson Ventriculopuncture Cannula.....53
Joseph Elevator.....71
- K**
Kelly Artery Forceps.....42
Kelly-Rankin Artery Forceps.....42
Kerrison Laminectomy Punch, Bajonette.....276-278
Kerrison Laminectomy Punch, Depot.....279
Kerrison Laminectomy Punch, detachable.....275
Kerrison Laminectomy Punch.....273-274
Kery Elevator.....65
Kilian Elevator.....56-57
Kilner Scissors.....9
Kleinsasser Alligator Micro-Grasp. Forceps.....204-205
Kleinsasser Micro-Forceps cup shaped.....206-208
Kleinsasser Micro-Grasping Forceps.....204-205
Kleinsasser Micro-Scissors.....202-203
 Knives for Tumor.....222-223
 Knives Hollow.....243
 Knives Arachnoidea.....221
 Knives.....95, 216, 220-223
Kocher Artery Forceps.....44
Köln Clips.....90
König Elevator.....56
König Raspatory.....70
Koos Micro-Vessel Knife.....221
Krämer Raspatory.....66
Krayenbühl Nerve and Vessel Hooks.....238
- L**
Lambotte Chisel.....60
Lambotte Raspatory.....71
 Lamina Distractor.....308-309
 Lamina Spreader.....294-298, 302
 Laminectomy Forceps.....290
 Laminectomy Punch, Bajonette **Kerrison**.....276-278
 Laminect. Punch, **BILLY I**, Handle.....210, 260-264, 316
- Laminect. Punch, **BILLY I**, Shafts.....210, 260-264, 316
 Laminectomy Punch, Depot **Kerrison**.....279
 Laminectomy Punch, detachable, **Kerrison**.....275
 Laminectomy Punch, Footplate.....272
 Laminectomy Punch, **Kerrison**.....273-274
 Laminectomy Punch, **Spurling-Kerrison**.....270-271
 Laminectomy Retractor.....295, 304-305
 Lancet Knives, Micro.....223
 Lancet Knives.....95, 223
Landolt Curette.....129
Landolt Eucleators.....129
Landolt Hooks.....129
Landolt Pituitary Forceps.....136
Landolt Pituitary Rongeur.....127, 282
Landolt Raspatory.....68
Landolt Scalpel Handle.....218
Landolt Scoop.....129
Landolt Spreading forceps.....136
Landolt-Reulen Dissector.....130
Landolt-Reulen Hook.....130
Landolt-Reulen Raspatory.....130
Landolt-Reulen Scoop.....130
Langenbeck Elevator.....54
Langenbeck Raspatory.....65-66
Lazar Micro-Suture Forceps.....154
Lebsche Conductor for wire saws.....88
Leriche Artery Forceps.....41
Lexer CT-ORO Scissors.....23
Lexer Gouge.....59
Lexer Osteotome.....59
Leyla Self-Retaining Retractors.....76-79
Leyla Support for flat brain spatulas.....76, 78-79
Leyla Support for Spatula.....79
 Ligature Forceps, Micro.....168
 Ligature Scissors CT-ORO.....25
 Ligature Scissors.....16
 Ligature Adjuster.....248
 Ligature Carrier.....243
 Ligature Guide, Micro.....238
 Ligature Needles, Micro.....237
Lister Bandage Scissors.....17
Littler Ligature Scissors.....16
Logan Retractors.....46
Love Nerv Root Retractors.....228
Love-Gruenwald Laminectomy Rongeur.....284
Lovelace Artery Forceps.....43
Lucae Ear Dressing Forceps.....36
- M**
Malis Nerv Hooks.....232
 Mallets.....138
Mannerfelt Raspatory.....67-68, 331
Martell Conductor for wire saws.....88
Matthieu Foreign Body Forceps.....286
Mayo CT-ORO Scissors.....20
Mayo Scissors.....5
Mayo-Lexer CT-ORO Scissors.....22
Mayo-Stille CT-ORO Scissors.....20
Mc Donald Elevator.....56
Mc Indoe Forceps.....29, 34
Mc Kenty Elevator.....71
Mc Kenzie Applying Forceps.....89
Mc Kissock Raspatory.....66
Mead Raspatory.....64
Metzenbaum CT-ORO Scissors.....22-23
Metzenbaum Scissors.....6-7
Metzenbaum-Fino CT-ORO Dissecting Scissors.....24
Metzenbaum-Fino Dissecting Scissors.....8
Meyerdig Laminectomy Retractor.....295



Index

- Micro Knives.....95
Micro Ligature Needles.....237
Micro Scalpel Handle.....217
Micro-Adson Forceps.....35
Micro-Adson-Biemer Forceps.....35
Micro-Ball-pointed Probe.....247
Micro-Curettes.....134-135, 249
Micro-Dissecting Scissors.....144, 147-148
Micro-Dissectors.....128, 237, 244-245
Micro-Forceps cup shaped.....126, 206-211, 316-317
Micro-Forceps.....154-183
Micro-Grasping Forceps.....204-205, 210-211, 316-317
Micro-Hook Scissors.....210-211, 316-317
Micro-Hooks.....236-240
Micro-Lancet Knives.....223
Micro-Ligatur Forceps.....168
Micro-Ligature Guide.....238
Micro-Mosquito Artery Forceps.....41
Micro-Needle Holder.....184-199
Micro-Raspatory.....133, 254-255
Micro-Ring-Forceps.....164-166, 171, 176
Micro-Scissors.....126, 144-153, 201-203, 210
Micro-Scoop.....249-252
Micro-Vein Scissors.....144
Micro-Vessel Knife.....221
Micro-Vessel Probe with ball tip.....247
Micro Blades.....218
Millesi Micro-Scissors.....144
Milligan Dura-Dissectors.....225
Mini-Adson Forceps.....35
Mod. Aachen Brain Spatula.....82
Mollison Retractors.....47
Molt Raspatory.....64
Moore Hand Drill.....87
- N**
Nasal Forceps.....290
Needle Holder.....48-49
Needle Holder, Micro.....184-199
Needles.....96, 235, 237, 243
Needles, Ligature.....243
Nerve Dissecting Scissors.....7
Nerve Hooks.....96, 231-232, 237-241
Nerve Root Retractors.....228-229
Nicola Curette.....133
Nicola Micro Scissors.....126
Nicola Micro-Raspatory.....133
Niederdelmann Osteotome.....60
- O**
Obwegeser Osteotome.....63
Okonek-Yasargil Tumor Fork.....246
Oldberg Pituitary Rongeur.....127, 282
Olivecrona Brain Spatula.....81
Olivecrona Dura-Dissectors.....224
Olivecrona Neurosurgery Scissors.....12
Olivecrona Saws.....88
Olivecrona-Toennis Applying Forceps.....89
Oppel Buttoned Hooks.....236
Oppel Micro-Dissectors.....244
Oppel Micro-Forceps cup shaped.....206
Oppel Micro-Grasping Forceps.....204
Oppel Micro-Lancet Knife.....223
Oppel Micro-Scissors.....202
Osteotomes.....58-60, 62-63
- P**
Papavero Chisel.....138
Papavero-Caspar Specula.....137
Papavero-Hartmann Retractors for Specula.....137
Partsch Mod.Lange Raspatory.....64
Péan Artery Forceps.....44
Peapod Rongeur.....283
Penfield Dura-Dissectors.....226
Pituitary Mirror.....139
Pituitary Rongeur.....127, 282
Plates, Cervical Spine.....327
Plester Suction Tubes.....50
Polytom Knives.....95
Poppen Suction Tubes.....50
Potts-Smith Cardiovasc. Scissors.....10
Potts-Smith Forceps.....30-31
Probe.....96, 243
Protecting Forceps.....85
Providence-Hospital Artery Forceps.....41
Pulling Knives.....95
Punch, Foraminotomy.....280
Punch, Laminectomy.....260-264, 270-280
Punches, Bajonette **Kerrison** Laminectomy.....276-278
Punches, Depot **Kerrison** Laminectomy.....279
Punches, detachable, **Kerrison** Laminectomy.....275
Punches, **Kerrison** Laminectomy.....273-274
Punches, Plattfuß Laminectomy.....272
Punches, Sphenoid.....281
Punches, **Spurling-Kerrison** Laminectomy.....270-271
Puncture Cannula, Ventriculo.....53
- Q**
Quervain Elevator.....54
Quinke Ventriculopuncture Cannula.....53
- R**
Raney Applying and Removing Forceps.....90
Raney Hemostasis Clips.....90
Raney Laminectomy Spreader.....304
Raspatory, Micro.....133, 254-255
Raspatory.....64-73, 130, 242, 331
Ray Curette for hypophysis.....131
Reill Needle Holder, Micro.....189
Removing Forceps, Clip.....122
Removing Forceps.....90
Retractor, Laminectomy.....304-305
Retractors for Specula.....137
Retractors.....46-47, 296, 304-305
Reynolds Scissors.....9
Rhoton Ball-pointed Probe.....235
Rhoton Curettes.....235
Rhoton Dissectors.....234
Rhoton Elevator.....234-235
Rhoton Hooks.....235
Rhoton Needles.....235
Ring Curette.....97
Ring-Forceps CT-ORO, Atraumatic-Micro.....166
Ring-Forceps, Micro.....164, 171, 176
Rongeur, Cranial.....84
Rongeur, Handle, **BILLY II**.....266-269
Rongeur, Tube-Shaft, **BILLY II**.....266-269
Rongeur.....266-269, 283-289
Rosen Suction and Irrigation cannula.....52
- S**
Sachs Dura Hooks.....233
Sachs Dura-Dissectors.....225
Samii Knife for tumors.....222-223
Samii Lancet Knife.....223
Samii Tumor Forceps.....180
Saws.....88
Scalpel Handle, Micro.....217
Scalpel Handle.....219
Schlesinger Laminectomy Rongeur.....288
Schmieden-Taylor Dura Scissors.....11
Schneider Raspatory.....70
Schuhknecht Ear-cannula.....52
Schul Spinal Retractor.....296
Scissor, Cardiovascular Surgery.....152
Scissors, Coronary.....153
Scissors, CT-ORO.....19-26
Scissors, Dura.....11
Scissors, Fine.....9, 13-15, 201
Scissors, Ligature.....16
Scissors, Micro.....144-153, 201-203, 210
Scissors, Nerv Dissecting.....7
Scissors, Skin.....27
Scissors.....2-27, 126, 144-153
Scoop, Micro.....249-252
Scoville Hooks.....305
Scoville Laminectomy Retractor, frame.....305
Scoville Nerv Root Retractors.....229
Scoville-Haverfield Retractor.....305
Screw Driver.....311
Screws, Cervical spine.....326
Sebileau Elevator.....54
Sedillot Raspatory.....68
Seldin Raspatory.....64
Self-Retaining Retractors.....76-78
Semken Forceps.....29
Semmes Spinal Fusion Curette.....313
Separators.....227
Sewall Antrum Elevator.....57
Shafts, Ball Probe.....96
Shafts, Bone Curette.....97
Shafts, Disc Knives.....95
Shafts, Lancet Knives.....95
Shafts, Needle.....96
Shafts, Nerv hook.....96
Shafts, Polytom Knives.....95
Shafts, Pulling Knives.....95
Shafts, Ring Curette.....97
Shafts, Sickle Knives.....95
Sickle Knives.....95, 220
Silver Brain Clips.....89
Skull Punch.....85
Skin Scissors.....27
Smithwick Nerv Hooks.....232
Sonden.....96, 243, 253, 247
Spatula, Brain.....76, 80-83
Spatula, Fork.....129
Specula.....136-137, 306
Sphenoid Punch.....281
Spherical Burr.....86
Spinal Bone Curette.....312
Spinal Fusion Curette.....313-314
Spinous Pins.....297
Spreading forceps.....136
Spurling-Kerrison Laminectomy Punch.....270-271
Standard Forceps.....28, 31
Standard Scissors.....2-4, 19
Stevens Scissors.....15
Stille Bone Chisel.....58
Stille Gouge.....59
Stille Hand Drill.....86
Stille Osteotomes.....58-59
Strabismus Scissors.....16
Strully Neurosurgery Scissors.....11
Suction and Irrigation cannula.....50, 52
Suction Tubes.....50-52
Support for Brain Spatula.....78



- Suture Forceps, Micro.....154-159, 172-175
 Suture Scissors CT-ORO.....21
Swedish Dissectors.....224
Sypert Impactor.....315
- T**
 Tissue Forceps.....33-34, 36
 Tissue Forceps.....37
 Tissue Picks.....246
 Titan-**Caspar** Valves.....301
 Titan-Clips.....102-115
 Titan-Micro-Needle Holder.....185
 Titan-**Yasargil** Aneurysmn-Vessel-Clip.....102-115
Toennis Dissecting Scissors.....12
Toennis Dura Hooks.....233
Toennis Dura Knives.....216
Toennis Dura-Dissectors.....224
Toennis Tumor Grasping Forceps.....200
Toennis-Adson CT-ORO Scissors.....25
Toennis-Adson Dissecting Scissors.....12
 Traction Tongs.....91
Trelat Raspatory.....66
 Trephine.....86
 Tube-Shafts for endoscopy.....210, 264
 Tube-Shafts, Laminect. Punch, **BILLY I**.....260-264, 316
 Tube-Shafts, Rongeur, **BILLY II**.....266-269
 Tumor Forceps.....178-182
 Tumor Fork.....246
Tuohy Ventriculopuncture Cannula.....53
 Twist Drill.....86-87
- V**
 Valves.....297-298
Vannas Micro-Scissors.....144-146
 Vein Hooks.....232
 Vein Scissors, Micro.....144
 Ventriculopuncture Cannula.....53
 Vertebral Body Dissector.....311
 Vessel Dilator.....247
 Vessel Knives, Micro.....221
 Vessel Probe with ball tip, Micro.....247
 Vessel Spreader.....247
Vise Micro-Suture Forceps.....155
- W**
Wagner Rongeur.....283
Wagner Scissors.....13
Walter Gouge.....58
Wangenstein CT-ORO Forceps.....32
Watson-Cheyne Dissector.....56
Waugh Forceps.....34
Weil Blakesley Rongeur.....289
Weitlaner Retractors.....46
Williams Retractors.....296
Williger Elevator.....56
Williger Raspatory.....70
 Wire Saws.....88
Wullenstein Suction Cannula.....50
Wullenstein Suction Tubes.....50
- Y**
Yankauer Suction Tubes.....51
Yasargil Aneurysmn-Vessel-Clip.....102-115
Yasargil Arachnoid Knives.....221
Yasargil Flexible Arm.....76, 78
Yasargil Galea Hook.....92
Yasargil Micro-Curettes.....249
Yasargil Micro-Dissecting Scissors.....147-148
Yasargil Micro-Forceps.....167
Yasargil Micro-Ligature Guide.....238
Yasargil Micro-Needle Holder.....193-195, 199
Yasargil Micro-Raspatory.....254-255
Yasargil Micro-Scissors.....146-148
Yasargil Pituitary Rongeur.....127, 282
Yasargil Suction Tubes.....51
Yasargil Support for Brain Spatula.....78
Yasargil Tumor Forceps.....179-182
Yasargil Tumor Forks.....246
Yasargil-Nicola Forceps scoop-shaped.....126
Yasargil-Samii Tumor Forceps.....182
- Z**
Zielke Gouge.....60

Indice alfabetico

- A**
 Adattatori d'aspirazione.....50
Adson CT-ORO Pinze.....31
Adson Divaricatori per dura-madre.....233
Adson Divaricatori.....46
Adson Elevatori.....65
Adson Pinze.....29, 33, 35
Adson Tubi d' aspirazione.....50
 Aghi per legature, Micro.....237
 Aghi, legature.....243
 Aghi.....96, 235, 237, 243
 Agrafes d'argento.....89
 Agrafes per il cranio, **Kölnner**.....90
 Aguja per legature.....243
 Alesatori.....90
 Allargatore per vasi.....247
Alm Divaricatori.....46
 Anatomiche per dissezione, Pinze.....28-30, 35
 Aneurisma Clips, **Yasargil**.....102-115
 Arachnoide, Bisturi.....221
 Asta-Tube per endoscopia, **BILLY I**.....210, 264
 Asta-Tube per laminectomia, **BILLY I**.....260-264, 316
 Asta-Tube, Rongeur, **BILLY II**.....266-269
 A traumatic Micro-Pinze.....165-166
- B**
Baby-Crile Pinze Emostatiche.....42
Badgley Divaricatori lombare.....304
 Baionette **Kerrison** Pinze per laminectomia.....276-278
Barron Tubi d'aspirazione.....52
 Battente sottile, Pinze per laminectomia.....272
Biemer Allargatore per vasi.....247
Biemer Micro-Forbici per vene.....144
BILLY I "Asta-Tube" per endoscopia.....210, 264
BILLY I "Asta-Tube" per laminectomia.....260-264, 316
BILLY I Manico per pinze laminectomia.....260-264, 316
BILLY II "Asta-Tube" Rongeur.....266-269
BILLY II Manico Rongeur.....266-269
 Bisturi concavo.....243
 Bisturi per arachnoide.....221
 Bisturi.....95, 216, 220-222
Brom Divaricatori per vene.....232
Brophy Pinze.....30
Büchs Periototomi.....64
- C**
 Cacciaviti.....311
 CAGE Impiantato cervicale in titanio.....324
 Calibro.....311
 Cannule per aspirazione e irrigazione.....50, 52
 Cannule per puntione ventricolo verebrale.....53
 Cannule, auricolare.....52
 Cardiovascolare, Forbici.....10, 152
Carrel Pinze Emostatiche.....40
Caspar Trapani.....310
Caspar Cacciaviti.....311
Caspar Curette.....313-314
Caspar Dissettori per vertebre.....311
Caspar Divaricatori per vertebre.....298-309
Caspar Forchetta da sutura.....248
Caspar Gancio.....303
Caspar Guide per punte.....310
Caspar Manici per bisturi.....217
Caspar Micro-Dissettori.....244-245
Caspar Periototomi.....68
Caspar Pestoni.....315
Caspar Pinze per afferrare.....126
Caspar Pinze taglienti.....286-287
- Caspar** Specoli, lombare.....306
Caspar Uncini per esplorazione e coagulazione.....230
Caspar Uncini per le radici dei nervi.....228
Caspar Valve.....298-301, 307
Caspar Viti per distrazione.....310
Castroviejo Micro Portaghi.....190-193
 Cervicale, CAGE Impiantato.....324
 Cervicale, Corpo vertebra.....325
 Cervicale, Placche.....327
 Cervicale, Viti.....326
 Chirurgiche, Pinze.....33-34, 36
 Clips per aneurisma, **Yasargil**.....102-115
Cloward Divaricatori per dura-madre.....233
Cloward Divaricatori per vertebra.....294
Cobb Periototomi.....72-73
Cobb Sgorbie.....61
 Coltello.....95, 220-223
Cone Cannule per puntione ventricolo.....53
Cone Pinze per cranio.....85
 Contro-Divaricatori.....307
 Coronara, Forbici.....153
 Corpo vertebra cervicale.....325
Cottle Elevatori.....57
Cottle Martelli.....138
Cottle Pinze per afferrare la pelle.....37
Cottle Scalpelli.....63-138
Cottle Specoli.....137
Cottle Tunnellier-Elevatori.....57
Cottle Divaricatori per dura-madre.....223
Crile Pinze Emostatiche.....42
Crile-Rankin Pinze Emostatiche.....43
Crile-Wood CT-ORO Portaghi.....48
Crutchfield Alesatori.....90
Crutchfield Pinze per trazione craniale.....91
 CT-ORO A traumatic-Micro-Pinze.....166
 CT-ORO Forbici.....19-26
 CT-ORO Pinze.....31-32
 CT-ORO Portaghi.....48-49, 188, 192-198
 Curette per ipofise.....131
 Curette Spinale.....313-314
 Curette, Micro.....134-135, 249-252
 Curette.....97, 129-135, 235, 312-314
Cushing Trapano piatto.....86
Cushing CT-ORO Pinze.....31
Cushing Divaricatori per dura-madre.....233
Cushing Spatole cerebrale.....81
Cushing Uncini.....231
Cushing-Landolt Specoli.....136
- D**
Dahlgreen Pinze Craniale.....84
Dahmen Osteotomi.....62
Dahmen Sgorbie.....62
Dandy Forbice per il nervio trigemino.....11
Dandy Pinze Emostatiche.....43
Dandy Uncini per nervi.....232
Davis Dissettori per la dura-madre.....225
De Bakey CT-ORO Forbici per la chirurgia cardiov.....26
De Bakey CT-ORO Pinze.....32
De Bakey CT-ORO Portaghi.....48-49
De Bakey Micro-Pinze.....177
De Bakey Pinze, A traumatic.....38
De Martel Strum.introduttori p.seghe in filo d'acciaio.....88
De Vilbiss Pinze Craniale.....84
 Depot **Kerrison** Pinze per laminectomia.....279
D'Errico Uncini per le radici dei nervi.....228
Dietrich Forbici.....10
 Dilatatori per vasi.....247
 Dissettori a forma di piatto.....96
- Dissettori per la dura-madre.....224-227
 Dissettori per vertebre.....311
 Dissettori, Dura.....224-226
 Dissettori, Micro.....128, 237, 244-245
 Dissettori, piatto.....96
 Dissettori.....56, 95-128, 224-227, 234-245, 311
 Distrattori, Corpi vertebra.....308-309
 Divaraicatore per laminectomia.....305
 Divaricatori per dura-madre.....233
 Divaricatori per lamina.....295, 304
 Divaricatori per Specolo.....137
 Divaricatori per vene.....232
 Divaricatori per vertebre.....294-298, 302, 308-309
 Divaricatori.....46-47, 296, 305
Duehrssen Pinze.....30
Dunhill Pinze Emostatiche.....43
- E**
Eif Uncini per nervi.....232
 Elevatori.....54-57, 65, 71, 243
Errico Trapano.....86
- F**
Fahlbusch Curette.....130
Fahlbusch Micro-Forbici.....126
Farabeuf Periototomi.....68
Ferguson Tubi d' aspirazione.....50-51
Ferris-Smith Pinza per laminectomia.....290
 Fili per seghe.....88
Finsen Divaricatori.....46
Fisch Uncini fine.....236
 Foraminectomia, Pinze.....280
 Forbici cardiovascolare.....152
 Forbici coronaria.....153
 Forbici fine.....9, 13-15, 201
 Forbici per bendaggi.....17
 Forbici per dura madre.....11
 Forbici per legature.....16
 Forbici per neurochirurgia.....11-12
 Forbici per pelle.....27
 Forbici per preparazione dei nervi.....7
 Forbici per preparazione, Micro.....144, 147-148
 Forbici per preparazione.....7-8, 12
 Forbici per strabismo.....16
 Forbici per sutura CT-ORO.....21, 25
 Forbici per vene-Micro.....144
 Forbici, CT-ORO.....19-26
 Forbici, Cutanea.....27
 Forbici, Dura.....11
 Forbici, Legature.....16
 Forbici, Micro per vene.....144
 Forbici, Micro.....144-153, 201-203, 210-211
 Forbici.....2-27, 126, 144-153
 Forchetta da sutura.....248
 Forchetta, forma di spatole.....129
 Forchette per tumori.....246
 Forchette, Impiantare.....128
Frazier Cannule per puntione ventricolo.....53
Frazier Dissettori per la dura-madre.....227
Frazier Divaricatori per dura-madre.....233
Frazier Tubi d' aspirazione.....50
Freer Elevatori.....56
Freer-Yasargil Elevatori.....56
 Fresa.....86
Fukushima Tubi d'aspirazione.....51
- G**
 Gancio per nervi.....237, 241
 Gancio, Dura.....233

Gancio, Ganlio.....	231	Jacobson-(Castroviejo) Micro-Portaghi.....	190-193	Love Uncini per le radici dei nervi.....	228
Gancio, Micro.....	239-240	Jameson Forbici per dura madre.....	11	Love-Gruenwald Pinze per laminectomia.....	284
Gancio, Spinale.....	297	Jannetta Aguja per legature.....	243	Lovelace Pinze Emostatiche.....	43
Gancio, radice dei nervi.....	228-229	Jannetta Bisturi concavo.....	243	Lucae Pinze per orecchio.....	36
Gancio, Vene.....	232	Jannetta Dissettori.....	242		
Gancio.....	303, 305	Jannetta Elevatori.....	243	M	
Gerald Pinze.....	30, 34, 177	Jannetta Forchette.....	243	Malis Uncini per nervi.....	232
Gigli Seghe.....	88	Jannetta Periostotomi.....	242	Manici per bisturi, Micro.....	217
Gillies Pinze.....	33	Jannetta Sonde a sfera.....	243	Manici per bisturi.....	219
Goldmann-Fox CT-ORO Forbici.....	25	Jannetta Uncini.....	242	Manici, Micro-Scalpelli.....	217, 219
Gorney Forbici per preparazione.....	8	Jansen Periostotomi.....	66	Manico per pinza Laminotomo, BILLY I	210
Graefe Pinze per iride.....	37	Jansen Pinze per orecchio.....	36	Mannerfelt Periostotomi.....	67-68, 331
Graffa per tessuto.....	246	Jefferson Cannule per punzione ventricolo.....	53	Martell Guida per fili per seghe.....	88
Graham Divaricatori per dura-madre.....	233	Jefferson Divaricatori.....	47	Martelli.....	138
Groning Uncini per nervi.....	231	Joseph Elevatori.....	71	Mathieu Pinze per corpi estanei.....	286
Gruenwald (Jansen) Pinze.....	36			Mayo Forbici.....	5, 20
Gruenwald CT-ORO Pinze.....	32	K		Mayo-Lexer CT-ORO Forbici.....	22
Gruenwald Pinze taglienti.....	284-286	Kelly Pinze Emostatiche.....	42	Mayo-Stille CT-ORO Forbici.....	20
Guida legature, Micro.....	238	Kelly-Rankin Pinze Emostatiche.....	42	Mc Donald Elevatori.....	56
Guide per punte.....	310	Kerrison Pinze per laminectomia, baionette.....	276-278	Mc Indoe Pinze.....	29, 34
		Kerrison Pinze per laminectomia, Depot.....	279	Mc Kenty Elevatori.....	71
H		Kerrison Pinze per laminectomia, smontabile.....	275	Mc Kenzie Pinze per applicare.....	89
Hajak Pinze taglienti per seno sfenoidale.....	281	Kerrison Pinze per laminectomia.....	273-274	Mc Kisson Periostotomi.....	66
Halle Bisturi per la dura-madre.....	216	Key Elevatori.....	65	Mead Periostotomi.....	64
Halle Elevatori per setto nasale.....	57	Kilian Elevatori.....	56-57	Metzenbaum Forbici.....	6-7, 22-23
Halsted-Mosquito Pinze Emostatiche.....	40	Kilner Forbici.....	9	Metzenbaum-Fino Forbici.....	8, 24
Hardy Curette.....	132	Kleinsasser Alligator Micro-Pinze p.afferare.....	204-205	Meyerdig Divaricatori per lamina.....	295
Hardy Forchetta per impiantare.....	128	Kleinsasser Micro-Forbici.....	202-203	Micro-Adson Pinze.....	35
Hardy Manici per bisturi.....	219	Kleinsasser Micro-Pinze, forma di cucchiaini.....	206-208	Micro-Adson-Biemer Pinze.....	35
Hardy Micro-Dissettori.....	128	Kocher Pinze Emostatiche.....	44	Micro-Aghi per legature.....	237
Hardy-Fahlbusch Micro-Dissettori.....	128	Köln Agrafes per il cranio.....	90	Micro-Coltello a lancetta.....	223
Hartmann Pinze Emostatiche.....	40	König Elevatori.....	56	Micro-Coltello per vasi.....	221
Hegar-Vascular CT-ORO Portaghi.....	48	König Periostotomi.....	70	Micro-Curette.....	134-135, 249-252
Heifetz Pinze per tumori.....	182	Koos Micro-Coltello per vasi.....	221	Micro-Dissettori.....	128, 237, 244-245
Heifetz Spatole cerebrale.....	80	Krämer Periostotomi.....	66	Micro-Forbici.....	126, 144-151, 201-203, 210-211
Hepp/Scheidel Micro-Forbici.....	145	Krayenbühl Uncini per nervi e vasi.....	238	Micro-Gancio.....	239-240
Hess Uncini per le radici dei nervi.....	229			Micro-Gerald Pinze.....	177
Hey Divaricatori per vertebra.....	297	L		Micro-Guida legature.....	238
Hey Gancio Spinale.....	297	Lambotte Periostotomi.....	71	Micro-Lame per bisturi.....	218
Hey Valve.....	297	Lambotte Scalpelli.....	60	Micro-Manici per bisturi.....	217
Hoer Dissettori per la dura-madre.....	227	Lame per bisturi, Micro.....	218	Micro-Mosquito Pinze Emostatiche.....	41
Hoer Pinze taglienti per il naso.....	290	Laminectomia, "Asta-Tube", BILLY I	260-264, 316	Micro-Periostotomi.....	133, 254-255
Holsher Uncini per le radici dei nervi.....	229	Laminectomia, Divaricatore.....	305	Micro-Pinze forma di cucchiaio.....	210-211, 316-317
Horsley Dissettori per la dura-madre.....	227	Laminectomia, Manico p.pinza, BILLY I	260-264, 316	Micro-Pinze per afferare.....	204-205, 210-211, 316-317
Hosobuchi Spatole forma di forchetta.....	129	Laminectomia, Pinze.....	260-264, 270-280	Micro-Pinze, forma di cucchiaio.....	206-208
House Adattatori d'aspirazione.....	50	Landolt Curette.....	129	Micro-Pinze.....	154-183
House Cannule per aspirazione e irrigazione.....	52	Landolt ENUCLEATORE.....	129	Micro-Portaghi.....	184-199
Howarth Elevatori.....	57	Landolt Manici per bisturi.....	218	Micro-Semken Pinze.....	36
Hudson Perforatori a mano.....	86	Landolt Periostotomi.....	68	Micro-Sonda.....	247
Hunt Pinze per tumori.....	178	Landolt Pinze per allargare.....	136	Micro-Uncini.....	236-237
		Landolt Pinze per ipofise.....	127, 136, 282	Millesi Micro-Forbici.....	144
I		Landolt Uncini.....	129	Milligan Dissettori per la dura-madre.....	225
Inge Divaricatori per vertebra.....	295	Landolt-Reulen Periostotomi.....	130	Mini-Adson Pinze.....	35
Insero, Aghi.....	96	Landolt-Reulen Curette.....	130	Mod. Aachen Spatole cerebrale.....	82
Insero, Coltello a forma di piatto.....	95	Landolt-Reulen Dissettori.....	130	Mollison Divaricatori.....	47
Insero, Coltello a lancetta.....	95	Landolt-Reulen Uncini.....	130	Molt Periostotomi.....	64
Insero, Coltello a trazione.....	95	Langenbeck Elevatori.....	54	Moore Perforatori a mano.....	87
Insero, Coltello falcato come sinecchia.....	95	Langenbeck Periostotomi.....	65-66		
Insero, Curette ad anello.....	97	Lazar Micro-Pinze.....	154	N	
Insero, Curette.....	97	Lebsche Strum.introduttori p.seghe in filo d'acciaio.....	88	Nicola Curette.....	133
Insero, Polytom coltello.....	95	Lerliche Pinze Emostatiche.....	41	Nicola Micro-Forbici.....	126
Insero, Sonde bottonute.....	96	Lexer CT-ORO Forbici.....	23	Nicola Micro-Periostotomi.....	133
Insero, Uncini per nervi.....	96	Lexer Osteotomi.....	59	Niederdelmann Osteotomi.....	60
		Lexer Sgorbie.....	59		
J		Leyla Retrattori.....	76-79	O	
Jacobs Alesatori.....	90	Lister Forbici per bendaggi.....	17	Obwegeser Osteotomi.....	63
Jacobson Forchetta da sutura.....	248	Littler Forbici per legature.....	16	Okonek-Yasargil Forchette per tumori.....	246
Jacobson Micro-Sonda per vasi.....	247	Logan Divaricatori.....	46	Oldberg Pinze per ipofise.....	127, 282
Jacobson Micro-Sonda bottonuta.....	247	Lombare, Divaricatori.....	304	Olivecrona Dissettori per la dura-madre.....	224

Indice alfabetico

- Olivecrona** Forbici per neurochirurgia.....12
Olivecrona Seghe.....88
Olivecrona Spatole cerebrale.....81
Olivecrona-Toennis Pinze per applicare.....89
Oppel Gancio bottonuto.....236
Oppel Micro-Coltello a lancetta.....223
Oppel Micro-Dissettori.....244
Oppel Micro-Forbici.....202
Oppel Micro-Pinze per afferare.....204
Oppel Micro-Pinze, forma di cucchiaio.....206
 Osteotomi.....58-60, 62-63
 Ottica per neuro.....212, 265, 318
- P**
Papavero Scalpelli.....138
Papavero-Caspar Specoli.....137
Papavero-Hartmann Divaricatori per Specolo.....137
Partsch Mod.Lange Periostotomi.....64
Péan Pinze Emostatiche.....44
Peapod Pinze taglienti.....283
Penfield Dissettori per la dura-madre.....226
 Perforatori a mano.....86-87
 Periostotomi, Micro.....133, 254-255
 Periostotomi.....64-73, 130, 242, 331
 Pestoni.....315
 Pinze per laminectomia, **BILLY I**.....260-269
 Pinze per laminectomia.....270-290
 Pinze anatomiche per dissezione.....28-30, 35
 Pinze chirurgiche.....33-34, 36
 Pinze Craniale.....84
 Pinze CT-ORO, Atraumatic-Micro.....166
 Pinze CT-ORO.....31-32
 Pinze Emostatiche.....40-44
 Pinze forma di cucchiaio.....126, 206-211, 316-317
 Pinze per afferare.....126, 204-205, 210-211, 316-317
 Pinze per afferrare la pelle.....37
 Pinze per allargare.....136
 Pinze per applicare.....89, 116-121
 Pinze per Foraminectomia.....280
 Pinze per ipofise.....127, 136, 282
 Pinze per iride.....37
 Pinze per laminectomia, Bajonette **Kerrison**.....276-278
 Pinze per laminectomia, Battente sottile.....272
 Pinze per laminectomia, Depot **Kerrison**.....279
 Pinze per laminectomia, **Kerrison**.....273-274
 Pinze per laminectomia, smontabile, **Kerrison**.....275
 Pinze per laminectomia, **Spurling-Kerrison**.....270-271
 Pinze per Legature, Micro.....168
 Pinze per microscopia.....28
 Pinze per orecchio.....36
 Pinze per prelevare clips.....122
 Pinze per togliere clips.....90
 Pinze per trazione craniale.....91
 Pinze per tumori.....178-182
 Pinze protettiva trivella.....85
 Pinze Standard.....28
 Pinze taglienti per il naso.....290
 Pinze taglienti per seno sfenoidale.....281
 Pinze taglienti, auricolare.....290
 Pinze taglienti, Ipofisi.....127, 282
 Pinze taglienti, Laminectomia.....288
 Pinze taglienti, **Love-Gruenwald**.....284
 Pinze taglienti, Micro.....204-205, 210-211, 316-317
 Pinze taglienti, p.applicare e togliere.....89-90, 116-122
 Pinze taglienti.....266-269, 283-289
 Pinze, Atraumatic.....38,165
 Pinze, Cranio.....84
 Pinze, CT-ORO, Atraumatic.....166
 Pinze, Ipofisi.....136
- Pinze, Micro.....154-183
 Pinze, Micro-Curette.....206-208
 Pinze, per il seno sfenoidale.....281
 Pinze.....28-38
 Pinze-foro protettiva trivella.....85
 Placche cervicale.....327
Plester Tubi d' aspirazione.....50
 Polytom Coltello.....95
Poppen Tubi d' aspirazione.....50
 Portaghi, Micro.....184-199
 Portaghi.....48-49, 197
Potts-Smith Forbici p.la chirurga cardiovascolare.....10
Potts-Smith Pinze.....30-31
Providence-Hospital Pinze Emostatiche.....41
 Punto a spirale.....86-87
- Q**
Quervain Elevatori.....54
Quinke Cannule per punzione ventricolo.....53
- R**
Raney Agrafes per il cranio.....90
Raney Divaricatori lombare.....304
Raney Pinze per applicare e togliere clips.....90
 Raschietti per il palato.....65
Ray Curette per ipofise.....131
Reill Portaghi, Micro.....189
 Retrattori.....76-78
Reynolds Forbici.....9
Rhoton Aghi.....235
Rhoton Curette.....235
Rhoton Dissettori.....234
Rhoton Elevatori.....234-235
Rhoton Sonda a sfera.....235
Rhoton Uncini.....235
 Rongeur, "Asta-Tube", **BILLY II**.....266-269
 Rongeur, Manico, **BILLY II**.....266-269
Rosen Cannule per aspirazione e irrigazione.....52
- S**
Sachs Dissettori per la dura-madre.....225, 233
Samii Coltello a lancetta.....223
Samii Coltello per tumori.....222-223
Samii Pinze per tumori.....180
 Scalpelli.....58-63, 138, 243
Schlesinger Pinze per laminectomia.....288
Schmieden-Taylor Forbici per dura madre.....11
Schneider Periostotomi.....70
Schuhknecht Cannule per orecchio.....52
Schul Divaricatori per laminectomia.....296
Scoville Divaricatore per laminectomia.....305
Scoville Gancio.....305
Scoville Uncini per le radici dei nervi.....229
Scoville-Haverfield Divaricatori.....305
Sebileau Elevatori.....54
Sedillot Periostotomi.....68
 Seghe.....88
Seldin Periostotomi.....64
Semken Pinze.....29
Semmes Curette Spinale.....313
 Separatori, Dura.....227
 Sewall Antrum-Elevatori.....57
 Sgorbie.....58-62
 Sistema retrattori.....76-78
Smithwick Uncini per nervi.....232
 Sonda per vasi, Micro.....247
 Sonda a sfera.....243
 Sonda bottonute.....96, 247
 Sonda.....96, 243, 253,247
- Spatole a forme di forchetta.....129
 Spatole cerebrale.....76, 80-83
 Specchio per ipofisectomia.....139
 Specoli, lombare.....306
 Specoli.....136-137
 Spinale Curette.....312
Spurling-Kerrison Pinze per laminectomia.....270-271
Standard Forbici.....2-4
Stevens Forbici.....15
Stille Osteotomi.....58-59
Stille Perforatori a mano.....86
Stille Scalpelli.....58
Stille Sgorbie.....59
Strully Forbici per neurochirurgia.....11
 Strumenti craniale.....94
 Strumenti introduttori per seghe in filo d'acciaio.....88
 Supporto per spatole cerebrale.....78
 Supporto per speculi auricolare.....78
 Supporto porta-agrafes.....89
Swedish Dissettori.....224
Sypert Pestoni.....315
- T**
 Titanio-**Caspar** Valve.....301
 Titanio-Micro-Portaghi.....185
Toennis Bisturi per la dura-madre.....216
Toennis Dissettori per la dura-madre.....224
Toennis Divaricatori per dura-madre.....233
Toennis Forbici per preparazione.....12
Toennis Pinze per tumori.....200
Toennis-Adson CT-ORO Forbici.....25
Toennis-Adson Forbici per preparazione.....12
 Trapani.....86, 310
Trelat Periostotomi.....66
 Tubi d'aspirazione.....50-52
Tuohy Cannule per punzione ventricolo.....53
- U**
 Uncini fine.....236
 Uncini per esplorazione e coagulazione.....230
 Uncini per ganlio.....231
 Uncini per le radici dei nervi.....228-229
 Uncini, bottonuti.....236
 Uncini, esplorazione e coagulazione.....230
 Uncini, Micro.....236-237
 Uncini, nervi.....96, 228-232, 237-241
 Uncini.....130, 235, 242
 Uncino bottonuto.....236
- V**
 Valve.....297-298
Vannas Micro-Forbici.....144-146
Vise Micro-Pinze.....155
 Viti cervicale.....326
 Viti per distrazione.....310
- W**
Wagner Forbici.....13
Wagner Pinze taglienti.....283
Walter Sgorbie.....58
Wangensteen CT-ORO Pinze.....32
Watson-Cheyne Dissettori.....56
Waugh Pinze.....34
Weil Blakesley Pinze taglienti.....289
Weitlaner Divaricatori.....46
Williams Divaricatori.....296
Williger Elevatori.....56
Williger Periostotomi.....70
Wullenstein Cannule per aspirazione.....50

Wullenstein Tubi d'aspirazione.....50

Y

Yankauer Tubi d'aspirazione.....51

Yasargil Bisturi per arachnoide.....221

Yasargil Bracci flessibili.....76, 78

Yasargil Clips per aneurisma.....102-115

Yasargil Forchette per tumori.....246

Yasargil Gancio galea.....92

Yasargil Micro-Curette.....249

Yasargil Micro-Forbici p.preparazione.....147-148

Yasargil Micro-Forbici.....146-148

Yasargil Micro-Guida legature.....238

Yasargil Micro-Periostotomi.....254-255

Yasargil Micro-Pinze.....167

Yasargil Micro-Portaghi.....193-195, 199

Yasargil Pinze per ipofise.....127, 282

Yasargil Pinze per tumori.....179-182

Yasargil Supporto p.spatola cerebrale.....78

Yasargil Tubi d'aspirazione.....51

Yasargil-Nicola Pinze forma di cucchiaino.....126

Yasargil-Samii Pinze per tumori.....182

Z

Zielke Sgorbie.....60



Groning , gancho para nervios.....	231	K		Mc Kenty , elevador.....	71
Gruenwald (Jansen) , pinzas.....	36	Kelly , pinzas hemostáticas.....	42	Mc Kenzie , pinzas para aplicación de grapas.....	89
Gruenwald , pinzas CT-ORO.....	32	Kelly-Rankin , pinzas hemostáticas.....	42	Mc Kissock , periostótomo.....	66
Gruenwald , pinzas para laminectomía	284-286	Kerrison , pinza para laminectomía, depósito.....	279	Mead , periostótomo.....	64
Gubias.....	58-62	Kerrison , pinza para laminectomía, desmontable.....	275	Metzenbaum , tijeras.....	6-7, 20-23
H		Kerrison , pinzas para laminectomía.....	273-274	Metzenbaum-Fino , tijeras de disección.....	8, 24
Hajek , pinza sacabocada para esfenoides.....	281	Kerrison , pinzas para laminect., bayoneta.....	276-278	Meyering , separadores para laminectomía.....	295
Halle , cuchillo para dura.....	216	Key , elevador.....	65	Micro-Adson , pinzas.....	35
Halle , elevador para el tabique nasal.....	57	Kilian , elevador.....	56-57	Micro-Adson-Biemer , pinzas.....	35
Halsted-Mosquito , pinzas hemostáticas.....	40	Kilner , tijeras	9	Micro-agujas pasa-hilo.....	237
Hardy , curetas.....	132	Kleinsasser Alligator , micro-pinzas de agarre.....	204-205	Micro-cucharillas.....	249-252
Hardy , horquilla de implantación.....	128	Kleinsasser , micro-pinza de cucharilla.....	206-208	Micro-cuchillo.....	95, 221, 223
Hardy , mangos de bisturí.....	219	Kleinsasser , micro-tijeras.....	202-203	Micro-curetas de anillo.....	134-135
Hardy , micro-disectores.....	128	Kocher , pinzas hemostáticas.....	44	Micro-curetas.....	249
Hardy-Fahlbusch , micro-disectores.....	128	Kölnner , grapas.....	90	Micro-disectores.....	128, 237, 244-245
Hartmann , pinzas hemostáticas.....	40	König , elevador.....	56	Micro-ganchitos.....	236-237
Hegar Vascular CT-ORO porta-agujas.....	48	König , periostótomo.....	70	Micro-ganchos.....	239-240
Heifetz , espátula cerebral.....	80	Koos , micro-cuchillo vascular.....	221	Micro-hojas de bisturí.....	218
Heifetz , pinzas para tumores.....	182	Krämer , periostótomo.....	66	Micro-mangos de bisturí.....	217
Hepp/Scheidel , micro-tijeras.....	145	Krayenbühl , ganchitos para nervios y vasos.....	238	Micro-Mosquito , pinzas hemostáticas.....	41
Hess , separadores para la raíz de nervio.....	229	L		Micro-periostótomos.....	133, 254-255
Hey , machos vertebrales.....	297	Lambotte , cincel.....	60	Micro-pinzas de agarre.....	204-205, 210-211, 316-317
Hey , separador para cuerpos vertebrales.....	297	Lambotte , periostótomo.....	71	Micro-pinzas de anillo.....	164-166, 171, 176
Hey , valvas.....	297	Laminectomía, separadores.....	295, 304	Micro-pinzas de cucharilla.....	206-211, 316-317
Hoer , dura-separadores.....	227	Landolt , cucharillas.....	129	Micro-pinzas.....	154-183
Hoer , forceps nasales.....	290	Landolt , curetas.....	129	Micro-porta-agujas.....	184-199
Hojas de bisturí, micro.....	218	Landolt , enucleadores.....	129	Micro-porta-hilos.....	238
Holsher , separadores para la raíz de nervio.....	229	Landolt , ganchitos.....	129	Micro-Semken , pinzas.....	36
Horquillas	128, 246, 248	Landolt , mangos de bisturí.....	218	Micro-sondas.....	247
Horsley , dura-separadores.....	227	Landolt , periostótomo.....	68	Micro-tijeras	126, 144-153, 201-203, 210
Hosobuchi , espátulas ahorquilladas.....	129	Landolt , pinza de expansión.....	136	Micro-tijeras de gancho.....	210-211, 316-317
House , adaptador para aspiración.....	50	Landolt , pinza para hipofisis.....	127, 136 282	Millesi , micro-tijeras.....	144
House , cánulas para aspiración e irrigación.....	52	Landolt-Reulen , cucharillas.....	130	Milligan , dura-disectores.....	225
Howarth , elevadores.....	57	Landolt-Reulen , disectores.....	130	Mini-Adson , pinzas.....	35
Hudson , perforador de mano.....	86	Landolt-Reulen , ganchitos.....	130	Mod. Aachen , espátula cerebral.....	82
Hunt , pinzas para tumores.....	178	Landolt-Reulen , periostótomo.....	130	Mollison , separador.....	47
I		Langenbeck , elevador.....	54	Molt , periostótomo.....	64
Inge , separador para cuerpos vertebrales.....	295	Langenbeck , periostótomo.....	65-66	Moore , perforador de mano.....	87
Injerto, agujas.....	96	Lazar , micro-pinzas para sutura.....	154	N	
Injerto, cucharilla.....	97	Lebsche , Instr.p.la introducción de lassieras de hilo.....	88	Nicola , curetas.....	133
Injerto, cuchillo	95	Leriche , pinzas hemostáticas.....	41	Nicola , micro-periostótomo.....	133
Injerto, curetas de anillo.....	97	Lexer , gubia.....	59	Nicola , micro-tijeras.....	126
Injerto, gancho de nervios.....	96	Lexer , osteótomo.....	59	Niederdelmann , osteótomo.....	60
Injerto, sondas abotonadas.....	96	Lexer , tijeras CT-ORO.....	23	O	
Instrumental p.la introducción de lassieras de hilo.....	88	Leyla , sistema de separadores.....	76-79	Obwegeser , osteótomo.....	63
J		Lister , tijeras para vendajes.....	17	Okonek-Yasargil , horquillas para tumores.....	246
Jacobs , taladro previo.....	90	Littler , tijeras para ligaduras.....	16	Oldberg , pinza para hipofisis.....	127, 282
Jacobson-(Castroviejo) , micro-porta-agujas...190-193		Logan , separador.....	46	Olivecrona , dura-disectores.....	224
Jacobson , horquillas porta-hilo.....	248	Love , separadores para la raíz de nervio.....	228	Olivecrona , espátula cerebral.....	81
Jacobson , micro-sondas.....	247	Love-Gruenwald , pinzas para laminectomía.....	284	Olivecrona , sierras.....	88
Jameson , tijeras para dura madre.....	11	Lovelace , pinzas hemostáticas.....	43	Olivecrona , tijeras para neurocirugía.....	12
Jannetta , cuchillo hueco.....	243	Lucae , pinzas auriculares.....	36	Olivecrona-Toennis , pinza p. aplicación de clips.....	89
Jannetta , disectores.....	242	M		Oppel , ganchitos abotonados.....	236
Jannetta , elevadores.....	243	Machos vertebrales.....	297	Oppel , micro-cuchillo de lanceta.....	223
Jannetta , ganchitos.....	242	Malis , gancho para nervios.....	232	Oppel , micro-disectores.....	244
Jannetta , horquillas.....	243	Mango, pinzas p.laminect., BILLY I ...210, 260-264, 316		Oppel , micro-pinza de cucharilla.....	206
Jannetta , periostótomo.....	242	Mango, pinzas p.laminect., BILLY II	266-269	Oppel , micro-pinzas de agarre.....	204
Jannetta , porta-ligaduras.....	243	Mangos de bisturí.....	217, 219	Oppel , micro-tijeras.....	202
Jannetta , sondas abotonadas.....	243	Mannerfelt , periostótomo.....	67-68, 331	Ópticas para neurocirugía.....	212, 265, 318
Jansen , periostótomo.....	66	Martell , conductor para sierras de hilo metálico.....	88	Osteótomos.....	58-60, 62-63
Jansen , pinzas auriculares.....	36	Martillos.....	138	P	
Jefferson , cánulas p.la punción del ventric. cerebral.53		Matthieu , pinzas para cuerpos extraños.....	286	Papavero , cincel.....	138
Jefferson , separador.....	47	Mayo , tijeras.....	5, 20	Papavero-Caspar espéculo.....	137
Joseph , elevador.....	71	Mayo-Lexer , tijeras CT-ORO.....	22	Papavero-Hartmann , abre-espéculo.....	137
		Mayo-Stille , tijeras CT-ORO.....	20	Partsch Mod.Lange , periostótomo.....	64
		Mc Donald , elevador.....	56	Pean , pinzas hemostáticas.....	44
		Mc Indoe , pinzas.....	29, 34		

Peapod , pinzas.....	283
Penfield , dura-disectores.....	226
Perforadores de mano.....	86-87
Periostótomo paladar.....	65
Periostótomos.....	64-73, 130, 242, 254-255, 331
Pinzas.....	28-38, 154-183, 266-269, 283-289
Pinzas cortantes, craneales.....	84
Pinzas de abducción.....	136
Pinzas de agarre.....	126, 204-205, 210-211, 316-317
Pinzas de anillo.....	166
Pinzas de cucharilla.....	126, 206-211, 316-317
Pinzas hemostáticas.....	40-44
Pinzas para aplicar clips.....	89, 116-121
Pinzas para foraminotomía.....	280
Pinzas para hipofisis.....	127, 136, 282
Pinzas para iris.....	37
Pinzas para laminect.bayonetas, Kerrison	276-278
Pinzas para laminectomía, BILLY I	210, 260-264, 316
Pinzas para laminectomía, BILLY II	266-269
Pinzas para laminectomía, depósito, Kerrison	279
Pinzas para laminect., desmontables, Kerrison	275
Pinzas para laminectomía, Kerrison	273-274
Pinzas para laminect., Spurling-Kerrison	270-271
Pinzas para laminectomía.....	260-264, 270-280
Pinzas para ligaduras, micro.....	168
Pinzas para piel.....	37
Pinzas para quitar clips.....	90, 122
Pinzas para sutura, micro.....	154-159, 172-175
Pinzas para tumores.....	178-182
Pinzas protectora para agujero de perforación.....	85
Pinzas sacabocadas para esfenoides.....	281
Pinzas sacabocado craneal.....	84-85
Pinzas, Love-Gruenwald	284
Pinzas, micro, forma de cucharilla.....	206-208
Pinzas, micro.....	154-183, 204-211, 316-317
Pinzas, para hipofisis.....	127, 282
Pinzas, para la nariz.....	290
Placas, Columna vertebral cervical.....	327
Plester , tubos de aspiración.....	50
Poppen , tubos de aspiración.....	50
Porta-agujas, micro.....	184-199
Porta-agujas.....	48-49
Porta-grapas.....	89
Porta-ligaduras, micro.....	238
Potts-Smith , pinzas.....	30-31
Potts-Smith , tijeras cardiovasculares.....	10
Providence-Hospital , pinzas hemostáticas.....	41
Q	
Quervain , elevador.....	54
Quinke , cánulas p.la punción del ventríc. cerebral.....	53
Quirúrgicas, pinzas.....	33-34, 36
R	
Raney , pinza para aplicar y quitar clips.....	90
Raney , separadores para laminectomía.....	304
Ray , curetas para hipofisis.....	131
Reill , porta-agujas, micro.....	189
Reynolds , tijeras.....	9
Rhoton , agujas.....	235
Rhoton , cucharillas.....	235
Rhoton , disectores.....	234
Rhoton , ganchitos.....	235
Rhoton , periostótomos.....	234-235
Rhoton , sondas de bola.....	235
Rosen , cánula para aspiración e irrigación.....	52
S	
Sachs , dura-disectores.....	225
Sachs , gancho para dura.....	233
Samii , cuchillo de lanceta.....	223
Samii , cuchillo para tumores.....	222-223
Samii , pinzas para tumores.....	180
Schlesinger , pinzas para laminectomía.....	288
Schmieden-Taylor , tijeras para dura madre.....	11
Schneider , periostótomo.....	70
Schuhknecht , cánulas auriculares.....	52
Schul , separador para columna vertebral.....	296
Scoville , cuadro para separador para laminect.....	305
Scoville , gancho.....	305
Scoville , separadores para la raiz de nervio.....	229
Scoville-Haverfield , separador.....	305
Sebileau , elevador.....	54
Sedillot , periostótomo.....	68
Seldin , periostótomo.....	64
Semken , pinzas.....	29
Semmes , cucharillas espinales.....	313
Separadores para cuerpos vertebrales.....	294-298, 302
Separadores para laminectomía, cuadro.....	305
Separadores (sistemas).....	76-78
Separadores para la raiz de nervio.....	228-229
Separadores, dura.....	227
Separadores, p. laminectomía.....	304
Separadores.....	46-47, 227, 296
Sewall , elevador para el antrum.....	57
Sierras de alambre.....	88
Smithwick , gancho para nervios.....	232
Sondas.....	96, 243, 247, 253
Spurling-Kerrison , pinza para laminect.....	270-271
Stevens , tijeras.....	15
Stille , Cincel.....	58
Stille , gubia.....	59
Stille , osteótomo.....	58-59
Stille , perforador de mano.....	86
Strully , tijeras para neurocirugía.....	11
Swedish , disectores.....	224
Sypert , empujador.....	315
T	
Taladro previo.....	90
Tijeras coronares.....	153
Tijeras de gancho, micro.....	210-211, 316-317
Tijeras, micro.....	144-153, 201-203, 210
Tijeras.....	2-27, 126
Titanio- Yasargil , clips para aneurisma.....	102-115
Toennis , cuchillo para dura.....	216
Toennis , dura-disectores.....	224
Toennis , gancho para dura.....	233
Toennis , pinzas para tumores.....	200
Toennis-Adson , tijeras.....	12, 25
Tornillos de distracción.....	310
Tornillos, Columna vertebral cervical.....	326
Trelat , periostótomo.....	66
Trépano.....	86
Tubos de aspiración.....	50-52
Tumores, pinzas.....	178-182
Tuohy , cánulas p.la punción del ventrículo cerebral.....	53
U	
Uñas para tejido.....	246
V	
Valvas.....	297-298
Vannas , micro-tijeras.....	144-146
Vástagos para endoscopia.....	210, 264
Venas, micro-tijeras.....	144
Vise , micro-pinzas para sutura.....	155
W	
Wagner , pinzas.....	13, 283
Walter , gubia.....	58
Wangensteen , pinzas CT-ORO.....	32
Watson-Cheyne , disector.....	56
Waugh , pinzas.....	34
Weil Blakesley , pinzas.....	289
Weitlaner , separador.....	46
Williams , separador.....	296
Williger , elevador.....	56
Williger , periostótomo.....	70
Wullenstein , cánula de aspiración.....	50
Wullenstein , tubos de aspiración.....	50
Y	
Yankauer , tubos de aspiración.....	51
Yasargil , brazos de tensión.....	76, 78
Yasargil , clips para aneurisma.....	102-115
Yasargil , cuchillo p. arachnoidea.....	221
Yasargil , gancho para galea.....	92
Yasargil , horquillas para tumores.....	246
Yasargil , micro-curetas.....	249
Yasargil , micro-periostótomo.....	254-255
Yasargil , micro-pinzas.....	167
Yasargil , micro-porta-agujas.....	193-195, 199
Yasargil , micro-porta-hilos.....	238
Yasargil , micro-tijeras.....	146-148
Yasargil , pinza para hipofisis.....	127, 282
Yasargil , pinzas para tumores.....	179-182
Yasargil , soporte para espátula cerebral.....	78
Yasargil , tubos de aspiración.....	51
Yasargil-Nicola , pinzas agudas de cucharilla.....	126
Yasargil-Samii , pinzas para tumores.....	182
Z	
Zielke , gubia.....	60

Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico

AA									
AA 100.10	2	AA 285.28	7	AA 759.18	145	AA 985.25	26	AB 200.25	31
AA 100.11	2	AA 285.30	7	AA 770.25	152	AA 985.45	26	AB 200.30	31
AA 100.13	2	AA 300.15	7	AA 770.45	152	AA 985.60	26	AB 210.20	30
AA 100.14	2	AA 301.15	7	AA 770.60	152	AA 987.25	26	AB 250.12	31
AA 100.15	2	AA 306.12	8	AA 770.90	152	AA 987.45	26	AB 250.15	31
AA 100.16	2	AA 306.19	8	AA 771.00	152	AA 987.60	26	AB 252.12	31
AA 100.18	2	AA 307.12	8	AA 771.25	152	AA 995.12	26	AB 252.15	31
AA 100.20	2	AA 307.19	8	AA 771.45	152			AB 254.17	31
AA 102.10	2	AA 326.14	8	AA 771.60	152	AB		AB 258.15	31
AA 102.11	2	AA 327.14	8	AA 771.90	152	AB 001.02	178	AB 258.18	31
AA 102.13	2	AA 330.18	8	AA 772.00	152	AB 001.03	181	AB 258.20	31
AA 102.14	2	AA 330.20	8	AA 773.04	144	AB 001.05	181	AB 258.23	31
AA 102.15	2	AA 330.23	8	AA 773.05	144	AB 003.03	181	AB 258.25	31
AA 102.16	2	AA 331.18	8	AA 806.14	17	AB 003.05	181	AB 259.19	32
AA 102.18	2	AA 331.20	8	AA 806.18	17	AB 005.03	181	AB 266.15	32
AA 102.20	2	AA 331.23	8	AA 807.14	17	AB 005.05	181	AB 266.23	32
AA 104.10	3	AA 358.12	9	AA 807.18	17	AB 009.03	179	AB 266.25	32
AA 104.11	3	AA 359.12	9	AA 808.14	17	AB 009.05	179	AB 270.15	32
AA 104.13	3	AA 359.15	9	AA 808.18	17	AB 011.03	180	AB 270.19	32
AA 104.14	3	AA 359.18	9	AA 809.14	17	AB 011.04	180	AB 270.24	32
AA 104.15	3	AA 364.15	9	AA 809.18	17	AB 011.05	180	AB 272.15	32
AA 104.16	3	AA 364.18	9	AA 821.11	16	AB 011.13	180	AB 272.19	32
AA 104.18	3	AA 365.15	9	AA 835.14	17	AB 011.14	180	AB 272.24	32
AA 104.20	3	AA 365.18	9	AA 835.18	17	AB 011.15	180	AB 322.14	33
AA 105.10	3	AA 380.25	10	AA 835.20	17	AB 013.03	180	AB 322.16	33
AA 105.11	3	AA 380.45	10	AA 902.14	19	AB 014.03	180	AB 322.18	33
AA 105.13	3	AA 380.60	10	AA 903.14	19	AB 019.01	169	AB 322.20	33
AA 105.14	3	AA 380.90	10	AA 904.14	19	AB 019.02	169	AB 322.25	33
AA 105.15	3	AA 381.00	10	AA 905.14	19	AB 019.03	169	AB 358.12	33
AA 105.16	3	AA 391.25	10	AA 906.14	19	AB 100.11	28	AB 358.15	33
AA 105.18	3	AA 391.40	10	AA 907.14	19	AB 100.13	28	AB 368.12	33
AA 105.20	3	AA 391.60	10	AA 910.14	20	AB 100.14	28	AB 368.15	33
AA 107.11	4	AA 393.00	10	AA 910.17	20	AB 100.16	28	AB 370.15	33
AA 107.13	4	AA 395.60	10	AA 910.23	20	AB 100.18	28	AB 378.15	34
AA 107.14	4	AA 397.60	10	AA 911.14	20	AB 100.20	28	AB 385.16	34
AA 107.15	4	AA 445.22	11	AA 911.17	20	AB 100.25	28	AB 386.17	34
AA 107.16	4	AA 451.17	11	AA 911.23	20	AB 100.30	28	AB 386.23	34
AA 107.18	4	AA 455.17	11	AA 915.14	21	AB 140.09	28	AB 387.17	34
AA 107.20	4	AA 457.15	11	AA 915.18	21	AB 140.10	28	AB 390.18	34
AA 109.11	4	AA 459.17	12	AA 915.23	21	AB 140.11	28	AB 390.20	34
AA 109.13	4	AA 466.18	12	AA 915.26	21	AB 140.13	28	AB 390.25	34
AA 109.14	4	AA 467.18	12	AA 930.15	20	AB 140.14	28	AB 390.30	34
AA 109.15	4	AA 475.23	12	AA 930.17	20	AB 141.09	28	AB 402.12	35
AA 109.16	4	AA 570.12	13	AA 931.15	20	AB 141.10	28	AB 404.12	35
AA 109.18	4	AA 571.12	13	AA 931.17	20	AB 141.11	28	AB 405.12	35
AA 109.20	4	AA 582.12	13	AA 935.16	22	AB 141.13	28	AB 406.15	35
AA 170.14	5	AA 584.12	13	AA 936.11	22	AB 141.14	28	AB 407.15	35
AA 170.15	5	AA 587.12	13	AA 937.11	22	AB 168.12	29	AB 416.12	35
AA 170.17	5	AA 589.12	13	AA 938.14	22	AB 168.15	29	AB 518.12	36
AA 171.14	5	AA 620.09	14	AA 939.14	22	AB 170.15	29	AB 518.15	36
AA 171.15	5	AA 620.10	14	AA 942.18	23	AB 172.12	29	AB 691.14	36
AA 171.17	5	AA 621.09	14	AA 942.20	23	AB 172.15	29	AB 692.14	36
AA 171.23	5	AA 621.10	14	AA 942.23	23	AB 176.18	29	AB 695.16	36
AA 180.15	5	AA 630.11	14	AA 942.25	23	AB 186.18	30	AB 695.20	36
AA 180.17	5	AA 631.11	14	AA 942.28	23	AB 186.23	30	AB 697.20	36
AA 181.15	5	AA 633.11	14	AA 942.30	23	AB 187.18	30		
AA 181.17	5	AA 635.11	14	AA 943.18	23	AB 187.23	30	AC	
AA 250.14	6	AA 640.12	15	AA 943.20	23	AB 192.18	30	AC 150.08	40
AA 255.14	6	AA 641.12	15	AA 960.23	24	AB 192.21	30	AC 306.10	40
AA 280.18	6	AA 680.11	15	AA 960.25	24	AB 192.25	30	AC 307.10	40
AA 280.20	6	AA 681.11	15	AA 960.28	24	AB 193.18	30	AC 310.12	40
AA 280.23	6	AA 682.11	15	AA 961.18	24	AB 193.21	30	AC 310.14	40
AA 280.25	6	AA 683.11	15	AA 961.20	24	AB 193.25	30	AC 311.12	40
AA 280.28	6	AA 690.11	16	AA 961.23	24	AB 196.20	30	AC 311.14	40
AA 280.30	6	AA 691.11	16	AA 961.25	24	AB 197.20	30	AC 312.12	40
AA 285.18	7	AA 692.11	16	AA 961.28	24	AB 200.11	31	AC 312.12	40
AA 285.20	7	AA 736.19	144	AA 965.17	25	AB 200.13	31	AC 313.12	40
AA 285.23	7	AA 737.19	144	AA 980.13	25	AB 200.14	31	AC 313.12	40
AA 285.25	7	AA 739.19	144	AA 981.13	25	AB 200.16	31	AC 320.10	41
		AA 759.14	145	AA 982.11	25	AB 200.18	31	AC 320.12	41
		AA 759.16	145	AA 983.11	25	AB 200.20	31	AC 321.10	41

AC 321.12	41	AE		AE 318D66	197	CB 12 014 14	325	CS 01 040 16	326
AC 322.10	41	AE 208.14	190	AE 318D68	197	CB 12 014 16	325	CS 01 040 18	326
AC 322.12	41	AE 208.16	190	AE 319.16	197	CB 12 014 18	325	CS 01 040 20	326
AC 323.10	41	AE 208.18	190	AE 319.18	197	CB 12 014 20	325	CS 01 040 22	326
AC 323.12	41	AE 208.21	190	AE 319.66	197	CB 12 014 22	325	CS 01 040 24	326
AC 324.14	41	AE 208D14	191	AE 319.68	197	CB 12 014 24	325	CS 80 035 14	326
AC 325.14	41	AE 208D16	191	AE 319D16	197	CB 12 014 26	325	CS 80 035 16	326
AC 326.15	41	AE 208D18	191	AE 319D18	197	CB 14 016 12	325	CS 80 035 18	326
AC 327.15	41	AE 208D21	191	AE 319D66	197	CB 14 016 14	325	CS 80 035 20	326
AC 328.15	41	AE 209.14	190	AE 319D68	197	CB 14 016 16	325	CS 80 035 22	326
AC 329.15	41	AE 209.16	190	AE 320.23	197	CB 14 016 18	325	CS 80 035 24	326
AC 330.14	42	AE 209.18	190	AE 320.73	197	CB 14 016 20	325	CS 81 040 14	326
AC 331.14	42	AE 209.21	190	AE 320D23	197	CB 14 016 22	325	CS 81 040 16	326
AC 334.16	42	AE 209D14	191	AE 320D73	197	CB 14 016 24	325	CS 81 040 18	326
AC 335.16	42	AE 209D16	191	AE 321.23	197	CB 14 016 26	325	CS 81 040 20	326
AC 336.14	42	AE 209D18	191	AE 321.73	197	CB 386.16	38	CS 81 040 22	326
AC 337.14	42	AE 209D21	191	AE 321D23	197	CB 386.20	38	CS 81 040 24	326
AC 340.14	42	AE 210.14	190	AE 321D73	197	CB 388.16	38		
AC 341.14	42	AE 210.16	190	AE 638.15	48	CB 388.20	38	DK	
AC 342.14	42	AE 210.18	190	AE 638.18	48	CB 389.16	38	DK 418.19	64
AC 343.14	42	AE 210.21	190	AE 639.15	48	CB 389.20	38	DK 420.16	64
AC 346.16	43	AE 210D14	191	AE 639.18	48	CB BODY SET	329	DK 421.17	64
AC 347.16	43	AE 210D16	191	AE 646.15	48	CB CD 020 11	328,329	DK 423.17	64
AC 348.15	43	AE 210D18	191	AE 646.18	48			DK 448.19	64
AC 350.15	43	AE 210D21	191	AE 647.16	49	CD		DK 452.15	64
AC 353.12	43	AE 211.14	190	AE 650.15	49	CD 00 010 01	328	DK 453.19	64
AC 355.14	43	AE 211.16	190	AE 658.14	48	CD 12 012 04*	324		
AC 357.14	43	AE 211.18	190	AE 658.18	48	CD 12 012 05*	324	DN	
AC 374.14	44	AE 211.21	190	AE 658.20	48	CD 12 012 06*	324	DN 314.14	65
AC 374.16	44	AE 211D14	191	AE 658.23	48	CD 12 012 07*	324	DN 315.14	65
AC 375.14	44	AE 211D16	191			CD 12 014 04	324		
AC 375.16	44	AE 211D18	191	AY		CD 12 014 05	324	FB	
AC 384.14	44	AE 211D21	191	AY 521.21	50	CD 12 014 06	324	FB 360.10	37
AC 384.16	44	AE 218.14	192	AY 523.06	50	CD 12 014 07	324	FB 361.10	37
AC 385.14	44	AE 218.16	192	AY 523.07	50	CD 12 014 08	324	FB 363.10	37
AC 385.16	44	AE 218.18	192	AY 523.08	50	CD 12 014 09	324		
		AE 218.21	192	AY 523.09	50	CD 14 016 04	324	KD	
		AE 219.14	192	AY 523.10	50	CD 14 016 05	324	KD 484.17	65
AD		AE 219.16	192	AY 523.12	50	CD 14 016 06	324	KD 485.17	65
AD 700.05	46	AE 219.18	192	AY 523.14	50	CD 14 016 07	324	KD 486.17	65
AD 701.05	46	AE 219.21	192	AY 523.15	50	CD 14 016 08	324	KD 487.17	65
AD 702.07	46	AE 220.14	192	AY 524.10	50	CD 14 016 09	324	KD 490.17	54
AD 703.07	46	AE 220.16	192	AY 524.12	50	CD DISC SET	328	KD 492.23	54
AD 708.04	46	AE 220.18	192	AY 524.14	50			KD 495.20	54
AD 714.07	46	AE 220.21	192	AY 524.16	50	CP		KD 497.20	54
AD 714.10	46	AE 221.14	192	AY 524.18	50	CP 00 020 01	331	KD 498.20	54
AD 715.07	46	AE 221.16	192	AY 525.06	50	CP 01 027 16	327	KD 510.17	56
AD 715.10	46	AE 221.18	192	AY 525.08	50	CP 01 029 16	327	KD 513.16	56
AD 728.14	46	AE 221.21	192	AY 525.10	50	CP 02 038 16	327	KD 519.06	65
AD 750.13	46	AE 222.14	193	AY 525.12	50	CP 02 042 16	327	KD 519.10	65
AD 750.16	46	AE 222.16	193	AY 527.00	50	CP 02 048 16	327	KD 519.12	65
AD 751.13	46	AE 222.18	193	AY 527.04	50	CP 03 056 16	327	KD 519.19	65
AD 751.16	46	AE 222.21	193	AY 527.06	50	CP 03 065 16	327	KD 519.25	65
AD 754.14	47	AE 223.14	193	AY 527.08	50	CP 04 072 16	327	KD 520.15	56
AD 761.14	47	AE 223.16	193	AY 528.55	50	CP 04 082 16	327	KD 521.15	56
AD 906.00	305	AE 223.18	193	AY 529.05	50	CP 04 088 16	327	KD 523.16	56
AD 906.01	305	AE 223.21	193	AY 529.06	50	CP 05 095 16	327	KD 527.19	56
AD 906.02	305	AE 224.14	193	AY 529.07	50	CP CS 010 01	330	KD 529.13	56
AD 906.06	305	AE 224.16	193	AY 529.09	50	CP CS 020 01	330	KD 529.18	56
AD 906.07	305	AE 224.18	193	AY 533.20	51	CP CS0 SET	330		
AD 906.11	305	AE 224.21	193	AY 533.30	51			KK	
AD 906.12	305	AE 225.14	193	AY 540.15	51			KK 332.10	312
AD 906.13	305	AE 225.16	193	AY 540.20	51	CS		KK 332.20	312
AD 906.41	305	AE 225.18	193	AY 540.25	51	CS 00 020 01	331	KK 332.30	312
AD 906.42	305	AE 225.21	193	AY 540.35	51	CS 00 035 14	326	KK 333.01	312
AD 906.43	305	AE 318.16	197	AY 543.27	51	CS 00 035 16	326	KK 333.02	312
AD 906.44	305	AE 318.18	197			CS 00 035 18	326	KK 333.03	312
AD 906.46	305	AE 318.66	197	CB		CS 00 035 20	326	KK 333.04	312
AD 906.47	305	AE 318.68	197	CB 00 010 01	329	CS 00 035 22	326	KK 333.05	312
AD 906.50	305	AE 318D16	197	CB 01 020 01	329	CS 00 035 24	326	KK 333.06	312
		AE 318D18	197	CB 12 014 12	325	CS 01 020 01	331	KK 336.10	312
						CS 01 040 14	326		

KK 336.20	312	KM 125.25	59	KM 193.12	62	KN 452.18	70	MA 012.18	144
KK 336.30	312	KM 126.06	59	KM 193.15	62	KN 453.19	70	MA 014.12	144
KK 337.01	312	KM 126.08	59	KM 193.20	62	KN 461.05	71	MA 014.16	144
KK 337.02	312	KM 126.10	59	KM 193.22	62	KN 461.10	71	MA 015.12	144
KK 337.03	312	KM 126.12	59	KM 193.25	62	KN 461.15	71	MA 015.16	144
KK 337.04	312	KM 126.15	59	KM 194.04	62	KN 461.20	71	MA 017.12	144
KK 337.05	312	KM 126.20	59	KM 194.05	62	KN 461.25	71	MA 021.13	144
KK 337.06	312	KM 126.25	59	KM 194.06	62	KN 471.04	72	MA 030.14	145
KK 402.10	312	KM 134.05	59	KM 194.08	62	KN 471.06	72	MA 030.18	145
KK 402.20	312	KM 134.07	59	KM 194.10	62	KN 471.08	72	MA 031.14	145
KK 402.30	312	KM 134.10	59	KM 194.12	62	KN 471.10	72	MA 031.18	145
KK 403.01	312	KM 134.15	59	KM 194.15	62	KN 471.13	72	MA 034.14	145
KK 403.02	312	KM 134.20	59	KM 194.20	62	KN 471.19	72	MA 034.18	145
KK 403.03	312	KM 134.25	59	KM 194.22	62	KN 471.25	72	MA 034.23	145
KK 403.04	312	KM 134.30	59	KM 194.25	62	KN 473.10	73	MA 035.14	145
KK 403.05	312	KM 135.05	59	KM 195.04	62	KN 473.13	73	MA 035.18	145
KK 403.06	312	KM 135.07	59	KM 195.05	62	KN 473.19	73	MA 050.18	201
KK 404.10	312	KM 135.10	59	KM 195.06	62	KN 480.08	73	MA 051.18	201
KK 404.20	312	KM 135.15	59	KM 195.08	62	KN 480.14	73	MA 052.18	201
KK 404.30	312	KM 135.20	59	KM 195.10	62	KN 480.20	73	MA 053.18	201
KK 405.01	312	KM 135.25	59	KM 195.12	62	KN 481.08	73	MA 054.18	201
KK 405.02	312	KM 135.30	59	KM 195.15	62	KN 481.14	73	MA 055.18	201
KK 405.03	312	KM 138.04	60	KM 195.20	62	KN 481.20	73	MA 056.18	201
KK 405.04	312	KM 138.06	60	KM 195.22	62	KN 482.08	73	MA 060.18	201
KK 405.05	312	KM 138.10	60	KM 195.25	62	KN 482.14	73	MA 061.18	201
KK 405.06	312	KM 138.13	60			KN 482.20	73	MA 062.18	201
KK 406.10	313	KM 138.15	60	KN				MA 063.18	201
KK 406.20	313	KM 138.18	60	KN 401.18	65	KO		MA 064.18	201
KK 406.30	313	KM 138.25	60	KN 402.19	66	KO 144.00	86	MA 065.18	201
KK 407.10	313	KM 138.30	60	KN 403.19	66	KO 145.01	86	MA 226.19	146
KK 407.20	313	KM 138.38	60	KN 405.16	66	KO 145.02	86	MA 227.19	146
KK 407.30	313	KM 138.44	60	KN 408.18	66	KO 145.03	86	MA 229.16	146
KK 408.23	313	KM 138.50	60	KN 409.19	66	KO 145.04	86	MA 229.19	146
KK 409.23	313	KM 139.04	60	KN 413.15	66	KO 145.05	86	MA 229.22	146
KK 411.23	313	KM 139.06	60	KN 414.04	67	KO 145.06	86	MA 230.16	146
KK 412.04	314	KM 139.10	60	KN 414.07	67	KO 145.07	86	MA 230.19	146
KK 412.05	314	KM 139.13	60	KN 414.09	67	KO 145.08	86	MA 230.22	146
KK 412.06	314	KM 139.15	60	KN 414.23	67	KO 145.09	86	MA 231.01	146
KK 413.04	314	KM 139.18	60	KN 414.26	67	KO 152.00	86	MA 231.02	146
KK 413.05	314	KM 139.25	60	KN 414.36	67	KO 152.01	86	MA 231.03	146
KK 414.03	314	KM 139.30	60	KN 414.36	67	KO 152.02	86	MA 240.16	147
KK 414.04	314	KM 139.38	60	KN 414.46	67	KO 152.03	86	MA 240.20	147
		KM 139.44	60	KN 414.48	67	KO 152.04	86	MA 241.16	147
KM		KM 139.50	60	KN 414.64	67	KO 152.05	86	MA 241.20	147
KM 120.10	58	KM 141.06	60	KN 414.65	67	KO 152.06	86	MA 242.20	147
KM 120.15	58	KM 141.08	60	KN 414.66	67	KO 152.07	86	MA 244.16	147
KM 122.06	58	KM 141.11	60	KN 414.84	67	KO 152.08	86	MA 244.18	147
KM 122.08	58	KM 141.16	60	KN 414.86	67	KO 152.09	86	MA 244.20	147
KM 122.10	58	KM 142.08	60	KN 414.93	67	KO 156.00	87	MA 245.20	147
KM 122.12	58	KM 142.10	60	KN 418.15	68	KO 156.08	87	MA 246.22	148
KM 122.15	58	KM 179.05	60	KN 419.15	68	KO 158.00	87	MA 246.24	148
KM 122.20	58	KM 179.09	60	KN 420.16	68	KO 158.06	90	MA 246S22	148
KM 122.25	58	KM 180.28	61	KN 421.16	68	KO 641.01	91	MA 247.22	148
KM 123.06	58	KM 181.28	61	KN 424.18	68	KO 641.02	91	MA 247.24	148
KM 123.08	58	KM 182.28	61	KN 425.18	68	KO 641.04	90	MA 247S22	148
KM 123.10	58	KM 183.28	61	KN 427.21	68	KO 641.05	90	MA 248.22	148
KM 123.12	58	KM 192.04	62	KN 428.18	69	KO 645.01	91	MA 250.22	148
KM 123.15	58	KM 192.05	62	KN 429.18	68	KO 645.02	91	MA 251.22	148
KM 123.20	58	KM 192.06	62	KN 430.20	69	KO 645.03	91	MA 256.22	148
KM 123.25	58	KM 192.08	62	KN 431.20	69			MA 257.22	148
KM 124.06	58	KM 192.10	62	KN 432.18	69	KV		MA 260.20	149
KM 124.08	58	KM 192.12	62	KN 432.20	69	KV 234.19	138	MA 261.20	149
KM 124.10	58	KM 192.15	62	KN 433.18	69			MA 262.19	149
KM 124.12	58	KM 192.20	62	KN 434.13	70	KW		MA 360.15SL	150
KM 124.15	58	KM 192.22	62	KN 435.18	69	KW 500.01	311	MA 360.18SL	150
KM 124.20	58	KM 192.25	62	KN 436.16	70			MA 360.21SL	150
KM 124.25	58	KM 193.04	62	KN 436.18	70	MA		MA 360.23SL	150
KM 125.10	59	KM 193.05	62	KN 437.15	70	MA 010.12	144	MA 360D15SL	150
KM 125.12	59	KM 193.06	62	KN 438.19	69	MA 010.16	144	MA 360D18SL	150
KM 125.15	59	KM 193.08	62	KN 439.06	70	MA 011.12	144	MA 360D21SL	150
KM 125.20	59	KM 193.10	62	KN 439.08	70	MA 011.16	144	MA 360D23SL	150

Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico



MA 361.15SL	150	MB 024D15	157	MB 068.67	161	MB 085.23	165	MB 196.23	171
MA 361.18SL	150	MB 025.15	157	MB 068D67	163	MB 086.15	165	MB 197.21	171
MA 361.21SL	150	MB 025D15	157	MB 069.67	161	MB 086.18	165	MB 197.23	171
MA 361.23SL	150	MB 030.18	158	MB 069D67	163	MB 086.21	165	MB 197D21	171
MA 361D15SL	150	MB 030D18	159	MB 070.03	160	MB 086.23	165	MB 197D23	171
MA 361D18SL	150	MB 031.18	158	MB 070.07	160	MB 087.15	165	MB 198.21	171
MA 361D21SL	150	MB 031D18	159	MB 070.63	160	MB 087.18	165	MB 198.23	171
MA 361D23SL	150	MB 034.18	158	MB 070.67	161	MB 087.21	165	MB 220.15	172
MA 366.25SL	151	MB 034.21	158	MB 070D03	162	MB 087.23	165	MB 220.18	172
MA 366.45SL	151	MB 034.23	158	MB 070D07	162	MB 088.15	165	MB 220.21	172
MA 366.60SL	151	MB 034D18	159	MB 070D63	162	MB 088.18	165	MB 220D15	174
MA 366.90SL	151	MB 034D21	159	MB 070D67	163	MB 088.21	165	MB 220D18	174
MA 367.00SL	151	MB 034D23	159	MB 071.03	160	MB 088.23	165	MB 220D21	174
MA 367.25SL	151	MB 035.18	158	MB 071.07	160	MB 089.18	166	MB 221.15	172
MA 367.45SL	151	MB 035.21	158	MB 071.63	160	MB 095.21	166	MB 221.18	172
MA 367.60SL	151	MB 035.23	158	MB 071.67	161	MB 095.23	166	MB 221.21	172
MA 367.90SL	151	MB 035D18	159	MB 071D03	162	MB 096.18	166	MB 221D15	174
MA 368.00SL	151	MB 035D21	159	MB 071D07	162	MB 096.21	166	MB 221D18	174
MA 370.25	153	MB 035D23	159	MB 071D63	162	MB 096.23	166	MB 221D21	174
MA 370.45	153	MB 040.18	158	MB 071D67	163	MB 097.18	166	MB 222.15	172
MA 370.60	153	MB 040D18	159	MB 072.67	161	MB 097.21	166	MB 222.18	172
MA 370.90	153	MB 041.18	158	MB 072D67	163	MB 097.23	166	MB 222.21	172
MA 371.00	153	MB 041D18	159	MB 073.67	161	MB 098.18	166	MB 222D15	174
MA 371.25	153	MB 042.18	158	MB 073D67	163	MB 098.21	166	MB 222D18	174
MA 371.45	153	MB 042.21	158	MB 076.03	160	MB 098.23	166	MB 222D21	174
MA 371.60	153	MB 042.23	158	MB 076.07	160	MB 145.16	167	MB 223.15	172
MA 371.90	153	MB 042D18	159	MB 076.63	160	MB 145.18	167	MB 223.18	172
MA 372.00	153	MB 042D21	159	MB 076.67	161	MB 145.20	167	MB 223.21	172
MA 610.16	202	MB 042D23	159	MB 076D03	162	MB 145.22	167	MB 223D15	174
MA 610.23	202	MB 043.18	158	MB 076D07	162	MB 145.24	167	MB 223D18	174
MA 611.23	202	MB 043.21	158	MB 076D63	162	MB 147.16	167	MB 223D21	174
MA 612.23	202	MB 043.23	158	MB 076D67	163	MB 147.18	167	MB 224.15	172
MA 613.23	202	MB 043D18	159	MB 077.03	160	MB 147.20	167	MB 224.18	172
MA 614.23	202	MB 043D21	159	MB 077.07	160	MB 147.22	167	MB 224.21	172
MA 615.23	202	MB 043D23	159	MB 077.63	160	MB 147.24	167	MB 224D15	174
MA 650.23	203	MB 060.03	160	MB 077.67	161	MB 148.18	167	MB 224D18	174
MA 651.23	203	MB 060.07	160	MB 077D03	162	MB 162.18	168	MB 224D21	174
MA 652.23	203	MB 060.63	160	MB 077D07	162	MB 170.16	169	MB 225.15	172
MA 653.23	203	MB 060.67	161	MB 077D63	162	MB 170D16	169	MB 225.18	172
MA 654.23	203	MB 060D03	162	MB 077D67	163	MB 170D18	169	MB 225.21	172
MA 655.23	203	MB 060D07	162	MB 078.67	161	MB 171.16	169	MB 225D15	174
MA 656.23	203	MB 060D63	162	MB 078D67	163	MB 171D16	169	MB 225D18	174
MA 800.35	210,316	MB 060D67	163	MB 079.67	161	MB 171D18	169	MB 225D21	174
MA 820.33	211,317	MB 061.03	160	MB 079D67	163	MB 172.16	169	MB 226.15	172
MA 821.33	211,317	MB 061.07	160	MB 080.15	164	MB 172.18	169	MB 226.18	172
MB		MB 061.63	160	MB 080.18	164	MB 172D16	169	MB 226.21	172
MB 005.05	154	MB 061.67	161	MB 080.21	164	MB 172D18	169	MB 226D15	174
MB 005.08	154	MB 061D03	162	MB 080.23	164	MB 173.16	169	MB 226D18	174
MB 005.35	154	MB 061D07	162	MB 080D15	164	MB 173D16	169	MB 226D21	174
MB 007.12	155	MB 061D63	162	MB 080D18	164	MB 173D18	169	MB 227.15	172
MB 007.13	155	MB 061D67	163	MB 080D21	164	MB 190.21	170	MB 227.18	172
MB 007.23	155	MB 062.67	161	MB 080D23	164	MB 190.23	170	MB 227.21	172
MB 007.33	155	MB 062D67	163	MB 081.15	164	MB 190D21	170	MB 227D15	174
MB 010.12	156	MB 063.67	161	MB 081.18	164	MB 190D23	170	MB 227D18	174
MB 010D12	156	MB 063D67	163	MB 081.21	164	MB 191.21	170	MB 227D21	174
MB 011.12	156	MB 066.03	160	MB 081.23	164	MB 191.23	170	MB 228.15	173
MB 011D12	156	MB 066.07	160	MB 082.15	164	MB 191D21	170	MB 228.18	173
MB 013.12	156	MB 066.63	160	MB 082.18	164	MB 191D23	170	MB 228.21	173
MB 013D12	156	MB 066.67	161	MB 082.21	164	MB 192.21	170	MB 228D15	175
MB 016.14	156	MB 066D03	162	MB 082.23	164	MB 192.23	170	MB 228D18	175
MB 016D14	156	MB 066D07	162	MB 082D15	164	MB 192D21	170	MB 228D21	175
MB 017.14	156	MB 066D63	162	MB 082D18	164	MB 192D23	170	MB 229.15	173
MB 017D14	156	MB 066D67	163	MB 082D21	164	MB 193.21	170	MB 229.18	173
MB 019.14	156	MB 067.03	160	MB 082D23	164	MB 193.23	170	MB 229.21	173
MB 019D14	156	MB 067.07	160	MB 083.15	164	MB 193D21	170	MB 229D15	175
MB 022.15	157	MB 067.63	160	MB 083.18	164	MB 193D23	170	MB 229D18	175
MB 022D15	157	MB 067.67	161	MB 083.21	164	MB 195.21	171	MB 229D21	175
MB 023.15	157	MB 067D03	162	MB 083.23	164	MB 195.23	171	MB 230.15	173
MB 023D15	157	MB 067D07	162	MB 085.15	165	MB 195D21	171	MB 230.18	173
MB 024.15	157	MB 067D63	162	MB 085.18	165	MB 195D23	171	MB 230.21	173
		MB 067D67	163	MB 085.21	165	MB 196.21	171	MB 230D15	175



Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico

MB 230D18	175	ME 211.21	184	ME 221.15	188	ME 273.21	195	MH 698.23	208
MB 230D21	175	ME 211.21SL	186	ME 221.18	188	ME 273.23	195	MH 699.23	208
MB 231.15	173	ME 211D15	184	ME 221.21	188	ME 273D21	195	MH 700.23	208
MB 231.18	173	ME 211D15SL	187	ME 222.15	188	ME 273D23	195	MH 701.23	208
MB 231.21	173	ME 211D18	184	ME 222.18	188	ME 274.21	196	MH 702.23	208
MB 231D15	175	ME 211D18SL	187	ME 222.21	188	ME 274.23	196	MH 703.23	208
MB 231D18	175	ME 211D21	184	ME 223.15	188	ME 275.21	196	MH 704.23	208
MB 231D21	175	ME 211D21SL	187	ME 223.18	188	ME 275.23	196	MH 705.23	208
MB 260.15	176	ME 212.15	184	ME 223.21	188	ME 276.21	196	MH 802.35	210,316
MB 260.18	176	ME 212.15SL	186	ME 224.15	188	ME 276.23	196	MH 804.35	210,316
MB 260.21	176	ME 212.18	184	ME 224.18	188	ME 277.21	196	MH 810.00	211,317
MB 260D15	176	ME 212.18SL	186	ME 224.21	188	ME 277.23	196	MH 811.00	211,317
MB 260D18	176	ME 212.21	184	ME 225.15	188	ME 278.21	196	MH 822.33	211,317
MB 260D21	176	ME 212.21SL	186	ME 225.18	188	ME 278.23	196	MH 823.33	211,317
MB 262.15	176	ME 212D15	184	ME 225.21	188	ME 279.21	196	MH 824.33	211,317
MB 262.18	176	ME 212D15SL	187	ME 226.15	188	ME 279.23	196	MH 825.33	211,317
MB 262.21	176	ME 212D18	184	ME 226.18	188	ME 280.21	196		
MB 264.15	176	ME 212D18SL	187	ME 226.21	188	ME 280.23	196		
MB 264.18	176	ME 212D21	184	ME 227.15	188	ME 281.21	196	NA	
MB 264.21	176	ME 212D21SL	187	ME 227.18	188	ME 281.23	196	NA 220.16	126
MB 264D15	176	ME 213.15	184	ME 227.21	188	ME 320.23	198	NA 222.11	126
MB 264D18	176	ME 213.15SL	186	ME 240.15	189	ME 321.23	198	NA 224.16	126
MB 264D21	176	ME 213.18	184	ME 241.15	189	ME 322.23	198	NA 580.16	95
MB 266.15	176	ME 213.18SL	186	ME 242.15	189	ME 323.23	198	NA 580.21	95
MB 266.18	176	ME 213.21	184	ME 243.15	189	ME 324.23	198	NA 581.16	95
MB 266.21	176	ME 213.21SL	186	ME 250.18	193	ME 325.23	198	NA 581.21	95
MB 280.18	177	ME 213D15	184	ME 250.20	193	ME 326.23	198	NA 582.16	95
MB 281.18	177	ME 213D15SL	187	ME 251.18	194	ME 327.23	198	NA 582.21	95
MB 281D18	177	ME 213D18	184	ME 251.20	194			NA 583.16	95
MB 282.18	177	ME 213D18SL	187	ME 251D18	195	MH		NA 583.21	95
MB 282D18	177	ME 213D21	184	ME 251D20	195	MH 610.16	204	NA 584.16	95
MB 283.18	177	ME 213D21SL	187	ME 252.18	194	MH 610.23	204	NA 584.21	95
MB 283D18	177	ME 214.15SL	186	ME 252.20	194	MH 611.23	204	NA 585.16	95
MB 286.18	177	ME 214.18	185	ME 252D18	195	MH 612.23	204	NA 585.21	95
MB 286D18	177	ME 214.18SL	186	ME 252D20	195	MH 613.23	204	NA 586.16	95
MB 287.18	177	ME 214.21SL	186	ME 253.18	194	MH 614.23	204	NA 587.16	95
MB 287D18	177	ME 214D15SL	187	ME 253.20	194	MH 615.23	204	NA 588.16	95
MB 288.18	177	ME 214D18SL	187	ME 253D18	195	MH 616.23	204	NA 589.16	95
MB 289.18	177	ME 214D21SL	187	ME 253D20	195	MH 617.23	204	NA 806.13	216
MB 410.22	182	ME 214T15	185	ME 260.20	199	MH 618.23	204	NA 806.19	216
MB 410.24	182	ME 214T21	185	ME 260.22	199	MH 619.23	204	NA 810.20	216
MB 411.22	182	ME 215.15SL	186	ME 260.24	199	MH 630.16	206	NA 842.01	220
MB 411.24	182	ME 215.18	185	ME 260D20	199	MH 630.23	206	NA 842.02	220
MB 412.22	182	ME 215.18SL	186	ME 260D22	199	MH 631.23	206	NA 842.03	220
MB 412.24	182	ME 215.21SL	186	ME 260D24	199	MH 632.23	206	NA 842.04	220
MB 413.22	182	ME 215D15SL	187	ME 261.20	199	MH 633.23	206	NA 910.19	216
MB 413.24	182	ME 215D18SL	187	ME 261.22	199	MH 634.23	206	NA 912.10	243
MB 414.22	182	ME 215D21SL	187	ME 261.24	199	MH 635.23	206	NA 912.11	243
MB 414.24	182	ME 215T15	185	ME 261D20	199	MH 636.23	206	NA 912.13	217
MB 416.22	182	ME 215T21	185	ME 261D22	199	MH 637.23	206	NA 912.15	217
MB 416.24	182	ME 216.15SL	186	ME 261D24	199	MH 638.23	206	NA 912.18	217
MB 417.22	182	ME 216.18	185	ME 262.20	199	MH 639.23	206	NA 912.20	217
MB 417.24	182	ME 216.18SL	186	ME 262.22	199	MH 650.23	205	NA 912.61	218
		ME 216.21SL	186	ME 262.24	199	MH 651.23	205	NA 912.62	218
		ME 216D15SL	187	ME 262D20	199	MH 652.23	205	NA 912.63	218
ME		ME 216D18SL	187	ME 262D22	199	MH 653.23	205	NA 912.64	218
ME 210.15	184	ME 216D21SL	187	ME 262D24	199	MH 654.23	205	NA 912.65	218
ME210.15SL	186	ME 216T15	185	ME 263.20	199	MH 655.23	205	NA 912.66	218
ME 210.18	184	ME 216T21	185	ME 263.22	199	MH 656.23	205	NA 912.67	218
ME 210.18SL	186	ME 217.15SL	186	ME 263.24	199	MH 657.23	205	NA 912.68	218
ME 210.21	184	ME 217.18	185	ME 263D20	199	MH 658.23	205	NA 912.69	218
ME 210.21SL	186	ME 217.18SL	186	ME 263D22	199	MH 659.23	205	NA 913.21	218
ME 210D15	184	ME 217.21SL	186	ME 263D24	199	MH 660.23	205	NA 913.25	218
ME 210D15SL	187	ME 217D15SL	187	ME 271.21	195	MH 661.23	205	NA 914.01	219
ME 210D18	184	ME 217D18SL	187	ME 271.23	195	MH 690.23	207	NA 914.02	219
ME 210D18SL	187	ME 217D21SL	187	ME 271D21	195	MH 691.23	207	NA 915.01	221
ME 210D21	184	ME 217T15	185	ME 271D23	195	MH 692.23	207	NA 915.02	221
ME 210D21SL	187	ME 217T21	185	ME 272.21	195	MH 693.23	207	NA 915.03	221
ME 211.15	184	ME 220.15	188	ME 272.23	195	MH 694.23	207	NA 915.04	221
ME 211.15SL	186	ME 220.18	188	ME 272D21	195	MH 695.23	207	NA 915.05	221
ME 211.18	184	ME 220.21	188	ME 272D23	195	MH 696.23	207	NA 915.06	221
ME 211.18SL	186								



Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico

NC 656.23 T	103	NC 657.40	102	NC 658.06 T	114	NC 682.11	119	ND 667.04	296
NC 656.24	105	NC 657.40 T	102	NC 658.07	114	NC 682.11 T	119	ND 667.22	296
NC 656.24 T	105	NC 657.42	102	NC 658.07 T	114	NC 682.71	119	ND 667.23	296
NC 656.37	106	NC 657.42 T	102	NC 658.19	104	NC 682.71 T	119	ND 667.24	296
NC 656.37 T	106	NC 657.44	102	NC 658.19 T	104	NC 682.91	119	ND 668.01	296
NC 656.38	106	NC 657.44 T	102	NC 658.20	104	NC 682.91 T	119	ND 668.02	296
NC 656.38 T	106	NC 657.46	103	NC 658.20 T	104			ND 668.03	296
NC 656.39	106	NC 657.46 T	103	NC 658.22	104	ND		ND 668.04	296
NC 656.39 T	106	NC 657.47	103	NC 658.22 T	104	ND 530.01	95	ND 668.22	296
NC 656.40	106	NC 657.47 T	103	NC 658.23	103	ND 530.02	95	ND 668.23	296
NC 656.40 T	106	NC 657.48	103	NC 658.23 T	103	ND 530.03	95	ND 668.24	296
NC 656.42	106	NC 657.48 T	103	NC 658.24	103	ND 531.01	95	ND 670.01	296
NC 656.42 T	106	NC 657.50	102	NC 658.24 T	103	ND 531.02	95	ND 670.02	296
NC 656.44	106	NC 657.50 T	102	NC 658.25	103	ND 531.03	95	ND 670.03	296
NC 656.44 T	106	NC 657.52	102	NC 658.25 T	103	ND 531.04	95	ND 670.04	296
NC 656.48	106	NC 657.52 T	102	NC 658.30	104	ND 531.15	95	ND 670.05	296
NC 656.48 T	106	NC 657.54	102	NC 658.30 T	104	ND 532.04	96	ND 670.06	296
NC 656.50	106	NC 657.54 T	102	NC 658.32	104	ND 534.02	96	ND 671.01	296
NC 656.50 T	106	NC 657.58	103	NC 658.32 T	104	ND 534.04	96	ND 671.02	296
NC 656.52	106	NC 657.58 T	103	NC 658.33	104	ND 540.01	95	ND 671.03	296
NC 656.52 T	106	NC 657.59	103	NC 658.33 T	104	ND 540.02	95	ND 671.04	296
NC 656.54	106	NC 657.59 T	103	NC 658.40	102	ND 540.03	95	ND 671.05	296
NC 656.54 T	106	NC 657.60	102	NC 658.40 T	102	ND 541.01	95	ND 671.06	296
NC 656.58	106	NC 657.60 T	102	NC 658.50	104	ND 541.02	95	ND 673.15	294
NC 656.58 T	106	NC 657.61	103	NC 658.50 T	104	ND 541.03	95	ND 673.53	294
NC 656.60	106	NC 657.61 T	103	NC 658.51	104	ND 541.04	95	ND 673.55	294
NC 656.60 T	106	NC 657.62	102	NC 658.51 T	104	ND 541.15	95	ND 673.56	294
NC 656.62	106	NC 657.62 T	102	NC 658.81	107	ND 542.04	96	ND 673.57	294
NC 656.62 T	106	NC 657.63	103	NC 658.81 T	107	ND 550.02	96	ND 673.59	294
NC 656.64	106	NC 657.63 T	103	NC 658.82	107	ND 550.02	96	ND 673.63	294
NC 656.64 T	106	NC 657.64	102	NC 658.82 T	107	ND 550.03	96	ND 674.16	294
NC 656.68	106	NC 657.64 T	102	NC 658.83	107	ND 550.03	96	ND 674.53	294
NC 656.68 T	106	NC 657.70	104	NC 658.83 T	107	ND 550.04	96	ND 674.55	294
NC 656.80	114	NC 657.70 T	104	NC 658.86	107	ND 550.04	96	ND 674.56	294
NC 656.80 T	114	NC 657.71	104	NC 658.86 T	107	ND 551.02	96	ND 674.57	294
NC 656.82	114	NC 657.71 T	104	NC 658.87	107	ND 551.02	96	ND 674.59	294
NC 656.82 T	114	NC 657.72	104	NC 658.87 T	107	ND 551.03	96	ND 675.17	295
NC 656.90	114	NC 657.72 T	104	NC 658.88	107	ND 551.03	96	ND 676.27	295
NC 656.90 T	114	NC 657.73	103	NC 658.88 T	107	ND 551.04	96	ND 677.01	295
NC 656.92	114	NC 657.73 T	103	NC 658.89	107	ND 551.05	96	ND 677.02	295
NC 656.92 T	114	NC 657.74	107	NC 658.89 T	107	ND 551.08	96	ND 677.03	295
NC 656.94	114	NC 657.74 T	107	NC 658.91	107	ND 552.02	96	ND 678.01	92
NC 656.94 T	114	NC 657.75	107	NC 658.91 T	107	ND 552.03	96	ND 678.02	92
NC 657.00	114	NC 657.75 T	107	NC 658.92	107	ND 554.03	96	ND 679.18	224
NC 657.00 T	114	NC 657.76	107	NC 658.92 T	107	ND 554.05	96	ND 679.20	224
NC 657.10	114	NC 657.76 T	107	NC 658.93	107	ND 554.08	96	ND 680.01	224
NC 657.10 T	114	NC 657.77	107	NC 658.93 T	107	ND 554.08	96	ND 680.02	224
NC 657.11	114	NC 657.77 T	107	NC 658.94	107	ND 556.05	96	ND 681.18	224
NC 657.11 T	114	NC 657.78	107	NC 658.94 T	107	ND 558.03	96	ND 681.24	224
NC 657.12	114	NC 657.78 T	107	NC 658.95	102	ND 560.02	96	ND 682.18	224
NC 657.12 T	114	NC 657.79	107	NC 658.95 T	102	ND 560.02	96	ND 682.24	224
NC 657.13	114	NC 657.79 T	107	NC 658.96	103	ND 560.03	96	ND 683.18	224
NC 657.13 T	114	NC 657.80	102	NC 658.96 T	103	ND 560.03	96	ND 683.24	224
NC 657.14	114	NC 657.80 T	102	NC 658.97	104	ND 560.04	96	ND 684.20	224
NC 657.14 T	114	NC 657.82	102	NC 658.97 T	104	ND 560.04	96	ND 684.24	224
NC 657.16	114	NC 657.82 T	102	NC 662.15	89	ND 561.02	96	ND 685.21	225
NC 657.16 T	114	NC 657.84	102	NC 662.19	89	ND 561.02	96	ND 686.21	225
NC 657.17	114	NC 657.84 T	102	NC 663.15	89	ND 561.03	96	ND 687.21	225
NC 657.17 T	114	NC 657.86	102	NC 663.19	89	ND 561.04	96	ND 688.22	225
NC 657.20	114	NC 657.86	102	NC 668.00	89	ND 561.05	96	ND 690.01	226
NC 657.20 T	114	NC 657.86 T	102	NC 670.14	89	ND 561.08	96	ND 690.02	226
NC 657.22	114	NC 657.86 T	102	NC 670.20	89	ND 562.02	96	ND 690.03	226
NC 657.22 T	114	NC 657.90	102	NC 672.11	119	ND 562.03	96	ND 690.04	226
NC 657.24	114	NC 657.90 T	102	NC 672.11 T	119	ND 564.03	96	ND 690.05	226
NC 657.24 T	114	NC 657.92	102	NC 672.71	119	ND 564.05	96	ND 691.24	225
NC 657.26	114	NC 657.92 T	102	NC 672.71 T	119	ND 564.08	96	ND 692.21	228
NC 657.26 T	114	NC 657.97	103	NC 672.91	119	ND 566.05	96	ND 693.01	227
NC 657.27	114	NC 657.97 T	103	NC 672.91 T	119	ND 568.03	96	ND 693.02	227
NC 657.27 T	114	NC 657.98	103	NC 674.00	90	ND 667.01	296	ND 693.03	227
NC 657.28	114	NC 657.98 T	103	NC 675.00	90	ND 667.02	296	ND 694.19	228
NC 657.28 T	114	NC 658.06	114	NC 676.00	90	ND 667.03	296	ND 695.19	228

Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico



ND 697.19	228	ND 912.05	242	ND 932.10	128	ND 968.55	303	ND 981.00	308
ND 698.20	227	ND 912.06	242	ND 932.11	128	ND 968.60	303	ND 981.01	309
ND 699.23	228	ND 912.07	242	ND 932.12	128	ND 968.65	303	ND 981.02	309
ND 701.04	228	ND 912.08	242	ND 932.13	128	ND 969.30	303	ND 991.00	307
ND 701.06	228	ND 912.09	243	ND 932.14	128	ND 969.35	303	ND 991.01	307
ND 701.08	228	ND 912.13	243	ND 932.15	128	ND 969.40	303	ND 991.35	307
ND 701.10	228	ND 912.14	243	ND 932.16	128	ND 969.45	303	ND 991.40	307
ND 723.03	229	ND 912.15	243	ND 932.19	236	ND 969.50	303	ND 991.45	307
ND 723.04	229	ND 912.16	243	ND 933.12	128	ND 969.55	303	ND 991.50	307
ND 723.05	229	ND 914.03	237	ND 933.13	128	ND 969.60	303	ND 991.55	307
ND 723.07	229	ND 914.05	237	ND 934.02	129	ND 969.65	303	ND 991.60	307
ND 724.23	229	ND 914.08	237	ND 934.04	129	ND 970.30	303	ND 991.65	307
ND 725.07	229	ND 915.02	237	ND 934.06	129	ND 970.35	303	ND 991.75	307
ND 725.13	229	ND 915.05	237	ND 934.07	129	ND 970.40	303	ND 991.85	307
ND 727.19	229	ND 915.08	237	ND 936.01	130	ND 970.45	303	ND 992.40	307
ND 738.26	231	ND 916.03	237	ND 936.02	130	ND 970.50	303	ND 992.45	307
ND 740.26	231	ND 916.05	237	ND 936.06	130	ND 970.55	303	ND 992.50	307
ND 742.19	231	ND 916.21	238	ND 936.07	130	ND 970.60	303	ND 992.55	307
ND 742.28	231	ND 916.22	238	ND 940.01	238	ND 970.65	303	ND 992.60	307
ND 744.19	231	ND 916.23	238	ND 940.02	238	ND 971.40	300	ND 992.65	307
ND 744.28	231	ND 916.24	238	ND 940.03	238	ND 971.45	300	ND 992.70	307
ND 745.23	231	ND 917.01	236	ND 940.04	238	ND 971.50	300		
ND 746.17	232	ND 917.02	236	ND 950.00	297	ND 971.55	300	NE	
ND 748.17	232	ND 918.03	246	ND 950.01	297	ND 971.60	300	NE 570.16	96
ND 748.21	232	ND 918.04	246	ND 951.40	297	ND 972.40	300	NE 570.21	96
ND 750.01	230	ND 918.05	246	ND 951.50	297	ND 972.45	300		
ND 750.02	230	ND 918.08	246	ND 951.60	297	ND 972.50	300	NF	
ND 750.03	230	ND 918.25	246	ND 951.70	297	ND 972.55	300	NF 341.01	200
ND 750.04	230	ND 918.28	246	ND 952.32	297	ND 972.60	300	NF 341.02	200
ND 756.24	232	ND 919.18	246	ND 952.37	297	ND 973.40	300	NF 341.03	200
ND 758.20	232	ND 920.01	244	ND 952.53	297	ND 973.45	300		
ND 761.01	232	ND 920.02	244	ND 952.62	297	ND 973.50	300	NK	
ND 761.02	232	ND 920.03	244	ND 956.00	298	ND 973.55	300	NK 510.02	97
ND 761.03	232	ND 920.04	244	ND 956.01	298	ND 973.60	300	NK 510.04	97
ND 771.20	232	ND 920.05	244	ND 956.40	298	ND 974.50	300	NK 510.06	97
ND 773.20	232	ND 920.06	244	ND 956.45	298	ND 974.60	300	NK 511.02	97
ND 821.20	233	ND 920.07	244	ND 956.50	298	ND 975T25	301	NK 511.04	97
ND 823.20	233	ND 922.01	245	ND 956.55	298	ND 975T30	301	NK 511.06	97
ND 825.16	233	ND 922.02	245	ND 956.60	298	ND 975T35	301	NK 512.02	97
ND 827.18	233	ND 922.03	245	ND 956.65	298	ND 975T40	301	NK 512.04	97
ND 829.15	233	ND 922.04	245	ND 956.70	298	ND 975T45	301	NK 512.06	97
ND 831.16	233	ND 922.05	245	ND 957.40	306	ND 975T50	301	NK 513.02	97
ND 833.14	233	ND 922.06	245	ND 957.45	306	ND 975T55	301	NK 513.04	97
ND 835.13	233	ND 922.07	245	ND 957.50	306	ND 975T60	301	NK 513.06	97
ND 836.13	233	ND 922.08	245	ND 957.55	306	ND 975T65	301	NK 514.02	97
ND 841.20	233	ND 922.11	245	ND 957.60	306	ND 975T70	301	NK 514.04	97
ND 882.01	311	ND 922.12	245	ND 957.65	306	ND 976T25	301	NK 514.06	97
ND 882.02	311	ND 930.01	239	ND 957.70	306	ND 976T30	301	NK 517.02	97
ND 901.01	244	ND 930.02	239	ND 957.75	306	ND 976T35	301	NK 517.03	97
ND 901.02	236	ND 930.03	239	ND 957.85	306	ND 976T40	301	NK 517.04	97
ND 901.03	236	ND 930.04	239	ND 960.00	298	ND 976T45	301	NK 518.02	97
ND 901.04	236	ND 930.05	239	ND 960.01	298	ND 976T50	301	NK 518.03	97
ND 901.05	236	ND 930.06	239	ND 961.00	298	ND 976T55	301	NK 518.04	97
ND 902.01	234	ND 930.07	239	ND 961.01	298	ND 976T60	301	NK 520.02	97
ND 902.02	234	ND 930.08	239	ND 963.00	299	ND 976T65	301	NK 520.04	97
ND 902.03	234	ND 930.09	239	ND 963.01	299	ND 976T70	301	NK 520.06	97
ND 902.04	234	ND 930.10	240	ND 965.00	302	ND 977T30	301	NK 521.02	97
ND 902.05	234	ND 930.11	240	ND 965.01	302	ND 977T35	301	NK 521.04	97
ND 902.06	234	ND 930.12	240	ND 966.00	299	ND 977T40	301	NK 521.06	97
ND 902.07	234	ND 930.13	240	ND 966.01	299	ND 977T45	301	NK 522.02	97
ND 902.08	235	ND 930.14	240	ND 967.38	303	ND 977T50	301	NK 522.04	97
ND 902.09	235	ND 930.15	240	ND 967.58	303	ND 977T55	301	NK 522.06	97
ND 902.10	235	ND 930.16	240	ND 968.00	302	ND 977T60	301	NK 523.02	97
ND 902.11	235	ND 930.17	240	ND 968.01	302	ND 977T65	301	NK 523.04	97
ND 902.12	235	ND 930.18	240	ND 968.02	137	ND 977T70	301	NK 523.06	97
ND 902.13	235	ND 930.19	236	ND 968.02	302	ND 977T75	301	NK 524.02	97
ND 902.16	234	ND 932.01	241	ND 968.30	303	ND 978.17	304	NK 524.04	97
ND 912.01	242	ND 932.02	241	ND 968.35	303	ND 979.13	304	NK 524.06	97
ND 912.02	242	ND 932.03	241	ND 968.40	303	ND 980.00	308	NK 527.02	97
ND 912.03	242	ND 932.04	241	ND 968.45	303	ND 980.01	309	NK 527.03	97
ND 912.04	242	ND 932.05	241	ND 968.50	303	ND 980.02	309		



Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico

NK 527.04	97	NK 940.37	250	NL 945.12	278	NL 951.24	274	NL 955.23	276
NK 528.02	97	NK 940.38	250	NL 945.12ET	261	NL 951.25	274	NL 955.24	276
NK 528.03	97			NL 945.13	278	NL 951.26	274	NL 955.25	276
NK 528.04	97	NL		NL 945.13ET	261	NL 952.01	274	NL 955.26	276
NK 902.14	235	NL 161.21	136	NL 945.14	278	NL 952.02	274	NL 956.01	276
NK 902.15	235	NL 654.21	84	NL 945.14ET	261	NL 952.03	274	NL 956.02	276
NK 911.04	131	NL 658.21	84	NL 945.15	278	NL 952.04	274	NL 956.03	276
NK 913.04	131	NL 659.20	85	NL 945.15ET	261	NL 952.05	274	NL 956.04	276
NK 922.23	249	NL 661.07	85	NL 945.22ET	261	NL 952.06	274	NL 956.05	276
NK 922.45	249	NL 661.12	85	NL 945.23ET	261	NL 952.11	274	NL 956.06	276
NK 923.19	249	NL 822.16	126	NL 945.24ET	261	NL 952.12	274	NL 956.11	276
NK 926.01	132	NL 824.16	126	NL 945.25ET	261	NL 952.13	274	NL 956.12	276
NK 926.02	132	NL 901.01	286	NL 945.32ET	261	NL 952.14	274	NL 956.13	276
NK 927.01	133	NL 901.02	286	NL 945.33ET	261	NL 952.15	274	NL 956.14	276
NK 927.02	133	NL 901.03	286	NL 945.34ET	261	NL 952.16	274	NL 956.15	276
NK 927.03	133	NL 901.04	286	NL 945.35ET	261	NL 952.21	274	NL 956.16	276
NK 934.03	129	NL 901.05	286	NL 945B02ET	261	NL 952.22	274	NL 956.21	276
NK 934.05	129	NL 901.06	286	NL 945B03ET	261	NL 952.23	274	NL 956.22	276
NK 936.03	130	NL 901.07	286	NL 945B04ET	261	NL 952.24	274	NL 956.23	276
NK 936.04	130	NL 901.08	286	NL 945B05ET	261	NL 952.25	274	NL 956.24	276
NK 936.05	130	NL 901.11	286	NL 945B12ET	261	NL 952.26	274	NL 956.25	276
NK 938.01	134	NL 901.12	286	NL 945B13ET	261	NL 953.01	275	NL 956.26	276
NK 938.02	134	NL 901.13	286	NL 945B14ET	261	NL 953.02	275	NL 957.01	276
NK 938.03	134	NL 901.14	286	NL 945B15ET	261	NL 953.03	275	NL 957.02	276
NK 938.04	134	NL 901.15	286	NL 945B22ET	261	NL 953.04	275	NL 957.03	276
NK 938.05	135	NL 901.16	286	NL 945B23ET	261	NL 953.05	275	NL 957.04	276
NK 938.06	135	NL 901.17	286	NL 945B24ET	261	NL 953.06	275	NL 957.05	276
NK 938.07	135	NL 901.18	286	NL 945B25ET	261	NL 953.11	275	NL 957.06	276
NK 938.08	135	NL 901.21	286	NL 945B32ET	261	NL 953.12	275	NL 957.11	276
NK 938.11	134	NL 901.22	286	NL 945B33ET	261	NL 953.13	275	NL 957.12	276
NK 938.12	134	NL 901.23	286	NL 945B34ET	261	NL 953.14	275	NL 957.13	276
NK 938.13	134	NL 901.24	286	NL 945B35ET	261	NL 953.15	275	NL 957.14	276
NK 938.14	134	NL 901.25	286	NL 946.02	278	NL 953.16	275	NL 957.15	276
NK 938.15	135	NL 901.26	286	NL 946.03	278	NL 953.21	275	NL 957.16	276
NK 938.16	135	NL 901.27	286	NL 946.04	278	NL 953.22	275	NL 957.21	276
NK 938.17	135	NL 901.28	286	NL 946.12	278	NL 953.23	275	NL 957.22	276
NK 938.18	135	NL 901.42	286	NL 946.13	278	NL 953.24	275	NL 957.23	276
NK 938.21	134	NL 901.43	286	NL 946.14	278	NL 953.25	275	NL 957.24	276
NK 938.22	134	NL 901.44	286	NL 950.01	274	NL 953.26	275	NL 957.25	276
NK 938.23	134	NL 931.01	281	NL 950.02	274	NL 954.01	275	NL 957.26	276
NK 938.24	134	NL 931.02	281	NL 950.03	274	NL 954.02	275	NL 958.01	276
NK 938.25	135	NL 931.03	281	NL 950.04	274	NL 954.03	275	NL 958.02	276
NK 938.26	135	NL 931.04	281	NL 950.05	274	NL 954.04	275	NL 958.03	276
NK 938.27	135	NL 931.05	281	NL 950.06	274	NL 954.05	275	NL 958.04	276
NK 938.28	135	NL 931.06	281	NL 950.11	274	NL 954.06	275	NL 958.05	276
NK 938.31	134	NL 931.07	281	NL 950.12	274	NL 954.11	275	NL 958.06	276
NK 938.32	134	NL 931.08	281	NL 950.13	274	NL 954.12	275	NL 958.11	276
NK 938.33	134	NL 931.11	281	NL 950.14	274	NL 954.13	275	NL 958.12	276
NK 938.34	134	NL 931.12	281	NL 950.15	274	NL 954.14	275	NL 958.13	276
NK 938.35	135	NL 931.13	281	NL 950.16	274	NL 954.15	275	NL 958.14	276
NK 938.36	135	NL 931.14	281	NL 950.21	274	NL 954.16	275	NL 958.15	276
NK 938.37	135	NL 931.15	281	NL 950.22	274	NL 954.21	275	NL 958.16	276
NK 938.38	135	NL 931.16	281	NL 950.23	274	NL 954.22	275	NL 958.21	276
NK 940.01	250	NL 931.17	281	NL 950.24	274	NL 954.23	275	NL 958.22	276
NK 940.02	250	NL 931.18	281	NL 950.25	274	NL 954.24	275	NL 958.23	276
NK 940.03	248	NL 944.02	277	NL 950.26	274	NL 954.25	275	NL 958.24	276
NK 940.04	248	NL 944.03	277	NL 951.01	274	NL 954.26	275	NL 958.25	276
NK 940.10	248	NL 944.04	277	NL 951.02	274	NL 955.01	276	NL 958.26	276
NK 940.11	248	NL 944.05	277	NL 951.03	274	NL 955.02	276	NL 962.03T	208,262,314
NK 940.12	248	NL 944.12	277	NL 951.04	274	NL 955.03	276	NL 962.04T	208,262,314
NK 940.13	248	NL 944.13	277	NL 951.05	274	NL 955.04	276	NL 962.35T	208,262,314
NK 940.20	249	NL 944.14	277	NL 951.06	274	NL 955.05	276	NL 962B03T	208,262,314
NK 940.21	249	NL 944.15	277	NL 951.11	274	NL 955.06	276	NL 962B04T	208,262,314
NK 940.22	249	NL 945.02	278	NL 951.12	274	NL 955.11	276	NL 962B35T	208,262,314
NK 940.23	249	NL 945.02ET	261	NL 951.13	274	NL 955.12	276	NL 964.03T	208,262,314
NK 940.30	249	NL 945.03	278	NL 951.14	274	NL 955.13	276	NL 964.04T	208,262,314
NK 940.31	249	NL 945.03ET	261	NL 951.15	274	NL 955.14	276	NL 964.35T	208,262,314
NK 940.32	249	NL 945.04	278	NL 951.16	274	NL 955.15	276	NL 964B03T	208,262,314
NK 940.33	249	NL 945.04ET	261	NL 951.21	274	NL 955.16	276	NL 964B04T	208,262,314
NK 940.35	250	NL 945.05	278	NL 951.22	274	NL 955.21	276	NL 964B35T	208,262,314
NK 940.36	250	NL 945.05ET	261	NL 951.23	274	NL 955.22	276	NL 965.01	260

Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico



NL 965.02	260	NL 975.03ET	258	NL 977B03ET	259	NL 983.14	268	NL 985.13	269
NL 965.03	260	NL 975.04ET	258	NL 977B04ET	259	NL 983.15	268	NL 985.14	269
NL 965.04	260	NL 975B01ET	259	NL 977B05ET	259	NL 983.16	268	NL 985.15	269
NL 965.05	260	NL 975B02ET	259	NL 977B06ET	259	NL 983.21	268	NL 985.16	269
NL 965.06	260	NL 975B03ET	259	NL 980.00	264	NL 983.22	268	NL 985.21	269
NL 965B01	260	NL 975B04ET	259	NL 980.00	266	NL 983.23	268	NL 985.22	269
NL 965B02	260	NL 976.02ET	258	NL 980.05T	264	NL 983.24	268	NL 985.23	269
NL 965B03	260	NL 976.03ET	258	NL 980.08T	264	NL 983.25	268	NL 985.24	269
NL 965B04	260	NL 976.04ET	258	NL 980.15T	264	NL 983.26	268	NL 985.25	269
NL 965B05	260	NL 976.05ET	258	NL 980.18T	264	NL 983.31	268	NL 985.26	269
NL 965B06	260	NL 976.06ET	258	NL 980.25T	264	NL 983.32	268	NL 985.31	269
NL 966.01	260	NL 976B02ET	259	NL 980.28T	264	NL 983.33	268	NL 985.32	269
NL 966.02	260	NL 976B03ET	259	NL 980.35T	264	NL 983.34	268	NL 985.33	269
NL 966.03	260	NL 976B04ET	259	NL 980.38T	264	NL 983.35	268	NL 985.34	269
NL 966.04	260	NL 976B05ET	259	NL 980.45T	264	NL 983.36	268	NL 985.35	269
NL 966.05	260	NL 976B06ET	259	NL 980.48T	264	NL 983.41	268	NL 985.36	269
NL 966.06	260	NL 977.02ET	258	NL 980.55T	264	NL 983.42	268	NL 985.41	269
NL 966B01	260	NL 977.03ET	258	NL 980.58T	264	NL 983.43	268	NL 985.42	269
NL 966B02	260	NL 977.04ET	258	NL 980.65T	264	NL 983.44	268	NL 985.43	269
NL 966B03	260	NL 977.05ET	258	NL 980.68T	264	NL 983.45	268	NL 985.44	269
NL 966B04	260	NL 977.06ET	258	NL 980.75T	264	NL 983.46	268	NL 985.45	269
NL 966B05	260	NL 977B02ET	259	NL 980.78T	264	NL 983.51	268	NL 985.46	269
NL 966B06	260	NL 977B03ET	259	NL 980.85T	264	NL 983.52	268	NL 985.51	269
NL 970.00	208,258,314	NL 977B04ET	259	NL 980.88T	264	NL 983.53	268	NL 985.52	269
NL 970.01ET	258	NL 977B05ET	259	NL 980B00	265	NL 983.54	268	NL 985.53	269
NL 970.02ET	258	NL 977B06ET	259	NL 980B00	267	NL 983.55	268	NL 985.54	269
NL 970.03ET	258	NL 980.00	264,266	NL 980B05T	265	NL 983.56	268	NL 985.55	269
NL 970.04ET	258	NL 980.05T	264	NL 980B08T	265	NL 984.01	269	NL 985.56	269
NL 970B00	208,259,314	NL 980.08T	264	NL 980B15T	265	NL 984.02	269	NL 986.01	270
NL 970B01ET	259	NL 980.15T	264	NL 980B18T	265	NL 984.03	269	NL 986.02	270
NL 970B02ET	259	NL 980.18T	264	NL 980B25T	265	NL 984.04	269	NL 986.03	270
NL 970B03ET	259	NL 980.25T	264	NL 982.06	268	NL 984.05	269	NL 986.04	270
NL 970B04ET	259	NL 980.28T	264	NL 982.11	268	NL 984.06	269	NL 986.05	270
NL 971.01ET	258	NL 980.35T	264	NL 982.12	268	NL 984.11	269	NL 986.06	270
NL 971.02ET	258	NL 980.38T	264	NL 982.13	268	NL 984.12	269	NL 986.11	270
NL 971.03ET	258	NL 980.45T	264	NL 982.14	268	NL 984.13	269	NL 986.12	270
NL 971.04ET	258	NL 980.48T	264	NL 982.15	268	NL 984.14	269	NL 986.13	270
NL 971B01ET	259	NL 980.55T	264	NL 982.16	268	NL 984.15	269	NL 986.14	270
NL 971B02ET	259	NL 980.58T	264	NL 982.21	268	NL 984.16	269	NL 986.15	270
NL 971B03ET	259	NL 980.65T	264	NL 982.22	268	NL 984.21	269	NL 986.16	270
NL 971B04ET	259	NL 980.68T	264	NL 982.23	268	NL 984.22	269	NL 986.21	270
NL 972.02ET	258	NL 980.75T	264	NL 982.24	268	NL 984.23	269	NL 986.22	270
NL 972.03ET	258	NL 980.78T	264	NL 982.25	268	NL 984.24	269	NL 986.23	270
NL 972.04ET	258	NL 980.85T	264	NL 982.26	268	NL 984.25	269	NL 986.24	270
NL 972.05ET	258	NL 980.88T	264	NL 982.31	268	NL 984.26	269	NL 986.25	270
NL 972.06ET	258	NL 980B00	265,267	NL 982.32	268	NL 984.31	269	NL 986.26	270
NL 972B02ET	259	NL 980B05T	265	NL 982.33	268	NL 984.32	269	NL 986.31	270
NL 972B03ET	259	NL 980B08T	265	NL 982.34	268	NL 984.33	269	NL 986.32	270
NL 972B04ET	259	NL 980B15T	265	NL 982.35	268	NL 984.34	269	NL 986.33	270
NL 972B05ET	259	NL 980B18T	265	NL 982.36	268	NL 984.35	269	NL 986.34	270
NL 972B06ET	259	NL 980B25T	265	NL 982.41	268	NL 984.36	269	NL 986.35	270
NL 973.02ET	258	NL 975B01ET	259	NL 982.42	268	NL 984.41	269	NL 986.36	270
NL 973.03ET	258	NL 975B02ET	259	NL 982.43	268	NL 984.42	269	NL 986.41	270
NL 973.04ET	258	NL 975B03ET	259	NL 982.44	268	NL 984.43	269	NL 986.42	270
NL 973.05ET	258	NL 975B04ET	259	NL 982.45	268	NL 984.44	269	NL 986.43	270
NL 973.06ET	258	NL 976.02ET	258	NL 982.46	268	NL 984.45	269	NL 986.44	270
NL 973B02ET	259	NL 976.03ET	258	NL 982.51	268	NL 984.46	269	NL 986.45	270
NL 973B03ET	259	NL 976.04ET	258	NL 982.52	268	NL 984.51	269	NL 986.46	270
NL 973B04ET	259	NL 976.05ET	258	NL 982.53	268	NL 984.52	269	NL 986.51	270
NL 973B05ET	259	NL 976.06ET	258	NL 982.54	268	NL 984.53	269	NL 986.52	270
NL 973B06ET	259	NL 976B02ET	259	NL 982.55	268	NL 984.54	269	NL 986.53	270
NL 974.01ET	258	NL 976B03ET	259	NL 982.56	268	NL 984.55	269	NL 986.54	270
NL 974.02ET	258	NL 976B04ET	259	NL 983.01	268	NL 984.56	269	NL 986.55	270
NL 974.03ET	258	NL 976B05ET	259	NL 983.02	268	NL 985.01	269	NL 986.56	270
NL 974.04ET	258	NL 976B06ET	259	NL 983.03	268	NL 985.02	269	NL 987.01	270
NL 974B01ET	259	NL 977.02ET	258	NL 983.04	268	NL 985.03	269	NL 987.02	270
NL 974B02ET	259	NL 977.03ET	258	NL 983.05	268	NL 985.04	269	NL 987.03	270
NL 974B03ET	259	NL 977.04ET	258	NL 983.06	268	NL 985.05	269	NL 987.04	270
NL 974B04ET	259	NL 977.05ET	258	NL 983.11	268	NL 985.06	269	NL 987.05	270
NL 975.01ET	258	NL 977.06ET	258	NL 983.12	268	NL 985.11	269	NL 987.06	270
NL 975.02ET	258	NL 977B02ET	259	NL 983.13	268	NL 985.12	269	NL 987.11	270

Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico



NL 997.12	284	NL 998.83	285	NQ 724.25	83	NV 670.01	89	NY 346.10	51
NL 997.13	284	NL 998.84	285	NQ 912.12	241	NV 670.02	89	OY	
NL 997.14	284	NL 998.85	285	NQ 932.16	245	NV 897.00	308	OY 330.05	52
NL 997.15	284	NL 998.86	285	NQ 942.05	245	NV 907.00	308	OY 330.06	52
NL 997.16	284	NL 999.20	281	NQ 942.10	245	NV 908.14	308	OY 330.07	52
NL 997.17	284	NL 999.68	284	NQ 942.15	245	NV 910.12	308	OY 330.08	52
NL 997.18	284			NQ 952.19	245	NV 910.14	308	OY 330.09	52
NL 997.21	284	NN		NQ 954.19	245	NV 910.16	308	OY 330.10	52
NL 997.22	284	NN 120.03	313	NQ 960.18	246	NV 910.18	308	OY 331.09	52
NL 997.23	284	NN 120.05	313	NQ 962.23	246	NV 912.20	309	OY 331.12	52
NL 997.24	284	NN 120.08	313			NV 945.00	139	OY 331.15	52
NL 997.25	284	NN 120.12	313	NU		NV 945.06	139	OY 335.06	52
NL 997.26	284	NN 120.14	313	NU 157.01	136	NV 945.08	139	OY 335.09	52
NL 997.27	284	NN 120.16	313	NU 157.02	136	NV 945.10	139	OY 526.13	52
NL 997.28	284	NN 129.03	313	NU 157.03	136	NV 945.12	139	OY 526.20	52
NL 997.32	285	NN 129.04	313	NU 159.01	137	NY		OY 541.17	52
NL 997.33	285	NN 129.05	313	NU 159.02	137	NY 318.03	53		
NL 997.34	285	NN 129.06	313	NU 159.03	137	NY 319.20	53	QN	
NL 997.35	285	NN 940.02	252	NU 159.95	137	NY 319.25	53	QN 656.24	63
NL 997.36	285	NN 940.03	252	NU 160.01	137	NY 320.08	53	RB	
NL 997.42	285	NN 950.01	252	NU 160.02	137	NY 320.10	53	RB 731.14	37
NL 997.43	285	NN 950.03	252	NU 160.03	137	NY 322.09	53		
NL 997.44	285	NN 950.04	252			NY 322.12	53	RD	
NL 997.45	285	NN 950.05	252	NV		NY 322.14	53	RD 531.16	71
NL 997.46	285	NN 960.22	133	NV 063 15 177	210,263	NY 322.16	53	RD 541.19	56
NL 997.52	285	NN 963.01	253	NV 063 20 177	210,263	NY 322.18	53	RD 543.19	56
NL 997.53	285	NN 963.04	253	NV 063 30 177	210,263	NY 322.20	53	RD 544.18	56
NL 997.54	285	NN 963.06	253	NV 070 15 177	210,263	NY 322.24	53	RD 545.18	56
NL 997.55	285	NN 963.07	253	NV 070 15 177SC	210,263	NY 322.28	53	RD 546.18	56
NL 997.56	285			NV 070 20 177	210,263	NY 324.07	53	RD 556.22	57
NL 998.02	285	NQ		NV 070 20 177SC	210,263	NY 324.10	53	RD 557.20	57
NL 998.03	285	NQ 572.16	96	NV 070 30 177	210,263	NY 324.10	53	RD 559.23	57
NL 998.04	285	NQ 572.21	96	NV 070 30 177SC	210,263	NY 325.07	53	RD 573.21	57
NL 998.05	285	NQ 700.14	80	NV 250.00	76	NY 325.10	53		
NL 998.06	285	NQ 700.17	80	NV 250.02	76,77	NY 325.12	53		
NL 998.12	285	NQ 700.20	80	NV 250.04	76,77	NY 326.12	53		
NL 998.13	285	NQ 701.08	80	NV 250.06	76,77	NY 327.12	53		
NL 998.14	285	NQ 701.11	80	NV 250.08	77	NY 327.12	53	RL	
NL 998.15	285	NQ 701.14	80	NV 250.09	77	NY 328.13	53	RL 257.02	287
NL 998.16	285	NQ 701.17	80	NV 250.99	77	NY 328.15	53	RL 257.03	287
NL 998.22	285	NQ 702.07	81	NV 251.00	78	NY 328.17	53	RL 257.04	287
NL 998.23	285	NQ 702.07	81	NV 251.01	78	NY 328.17	53	RL 257.05	287
NL 998.23	285	NQ 702.11	81	NV 251.02	76	NY 340.03	51	RL 257.06	287
NL 998.24	285	NQ 702.15	81	NV 251.02	78	NY 340.04	51	RL 257.07	287
NL 998.25	285	NQ 702.18	81	NV 251.02	78	NY 340.05	51	RL 257.12	287
NL 998.26	285	NQ 702.18	81	NV 251.02	78	NY 340.06	51	RL 257.13	287
NL 998.32	285	NQ 703.07	81	NV 251.02	78	NY 340.07	51	RL 257.14	287
NL 998.32	285	NQ 703.11	81	NV 251.04	78,79	NY 340.08	51	RL 257.15	287
NL 998.33	285	NQ 703.15	81	NV 251.06	78,79	NY 340.09	51	RL 257.16	287
NL 998.34	285	NQ 703.18	81	NV 251.08	78,79	NY 340.10	51	RL 257.17	287
NL 998.35	285	NQ 704.07	81	NV 251.10	79	NY 342.03	51	RL 257.22	287
NL 998.36	285	NQ 704.11	81	NV 251.12	76	NY 342.04	51	RL 257.23	287
NL 998.42	285	NQ 704.15	81	NV 251.12	78,79	NY 342.05	51	RL 257.24	287
NL 998.43	285	NQ 704.18	81	NV 251.12	78,79	NY 342.06	51	RL 257.25	287
NL 998.44	285	NQ 720.07	82	NV 251.12	78,79	NY 342.06	51	RL 257.26	287
NL 998.45	285	NQ 720.10	82	NV 252.00	78	NY 342.07	51	RL 257.27	287
NL 998.46	285	NQ 720.13	82	NV 252.01	78	NY 342.08	51	RL 257.32	287
NL 998.52	285	NQ 720.16	82	NV 500.01	94	NY 342.09	51	RL 257.33	287
NL 998.53	285	NQ 720.19	82	NV 500.02	94	NY 342.10	51	RL 257.34	287
NL 998.54	285	NQ 720.22	82	NV 550.18	94	NY 344.03	51	RL 257.35	287
NL 998.55	285	NQ 721.09	76	NV 550.23	94	NY 344.04	51	RL 257.36	287
NL 998.56	285	NQ 721.09	82	NV 600.30	88	NY 344.05	51	RL 257.37	287
NL 998.62	285	NQ 721.12	76	NV 600.40	88	NY 344.06	51	RL 257.42	287
NL 998.63	285	NQ 721.12	82	NV 600.40	88	NY 344.07	51	RL 257.43	287
NL 998.63	285	NQ 721.12	82	NV 600.50	88	NY 344.08	51	RL 257.44	287
NL 998.64	285	NQ 722.12	82	NV 600.60	88	NY 344.09	51	RL 257.45	287
NL 998.65	285	NQ 723.12	83	NV 600.70	88	NY 344.10	51	RL 257.46	287
NL 998.66	285	NQ 723.17	83	NV 601.30	88	NY 346.03	51	RL 257.47	287
NL 998.72	285	NQ 723.25	83	NV 601.40	88	NY 346.04	51	RL 257.52	287
NL 998.73	285	NQ 724.09	83	NV 601.50	88	NY 346.05	51	RL 257.53	287
NL 998.74	285	NQ 724.14	83	NV 602.01	88	NY 346.06	51	RL 257.54	287
NL 998.75	285	NQ 724.18	83	NV 603.50	88	NY 346.07	51	RL 257.55	287
NL 998.76	285	NQ 724.18	83	NV 618.33	88	NY 346.08	51	RL 257.55	287
NL 998.82	285	NQ 724.20	83	NV 620.25	88	NY 346.09	51	RL 257.56	287



Numerisches Inhaltsverzeichnis
Numerical Index
Indice numerico
Indice numérico

RL 257.57	287
RL 257.62	287
RL 257.63	287
RL 257.64	287
RL 257.65	287
RL 257.66	287
RL 257.67	287
RL 257.72	287
RL 257.73	287
RL 257.74	287
RL 257.75	287
RL 257.76	287
RL 257.77	287
RL 257.82	287
RL 257.83	287
RL 257.84	287
RL 257.85	287
RL 257.86	287
RL 257.87	287
RL 290.13	288
RL 340.03	279
RL 340.13	279
RL 341.03	279
RL 341.13	279
RL 364.02	288
RL 364.03	288
RL 364.04	288
RL 364.12	288
RL 364.13	288
RL 364.14	288
RL 364.22	288
RL 364.23	288
RL 364.24	288
RM	
RM 602.04	138
RM 603.08	63
RM 604.04	63
RM 604.04	138
RM 604.07	63
RM 604.07	138
RM 604.09	63
RM 604.09	138
RM 604.12	63
RM 604.12	138
RM 606.04	63
RM 606.06	63
RM 606.08	63
RM 606.10	63
RM 606.12	63
RN	
RN 521.04	71
RN 525.16	57
RN 533.20	57
WA	
WA 378.10	27
WA 379.10	27



CEATEC Medizintechnik GmbH & Co. KG

Untere Hauptstrasse 6
D - 78573 Wurmlingen

web: www.ceatec.de
e-mail: info@ceatec.de

Tel.: +49-7461-9348-0
Fax: +49-7461-9348-19