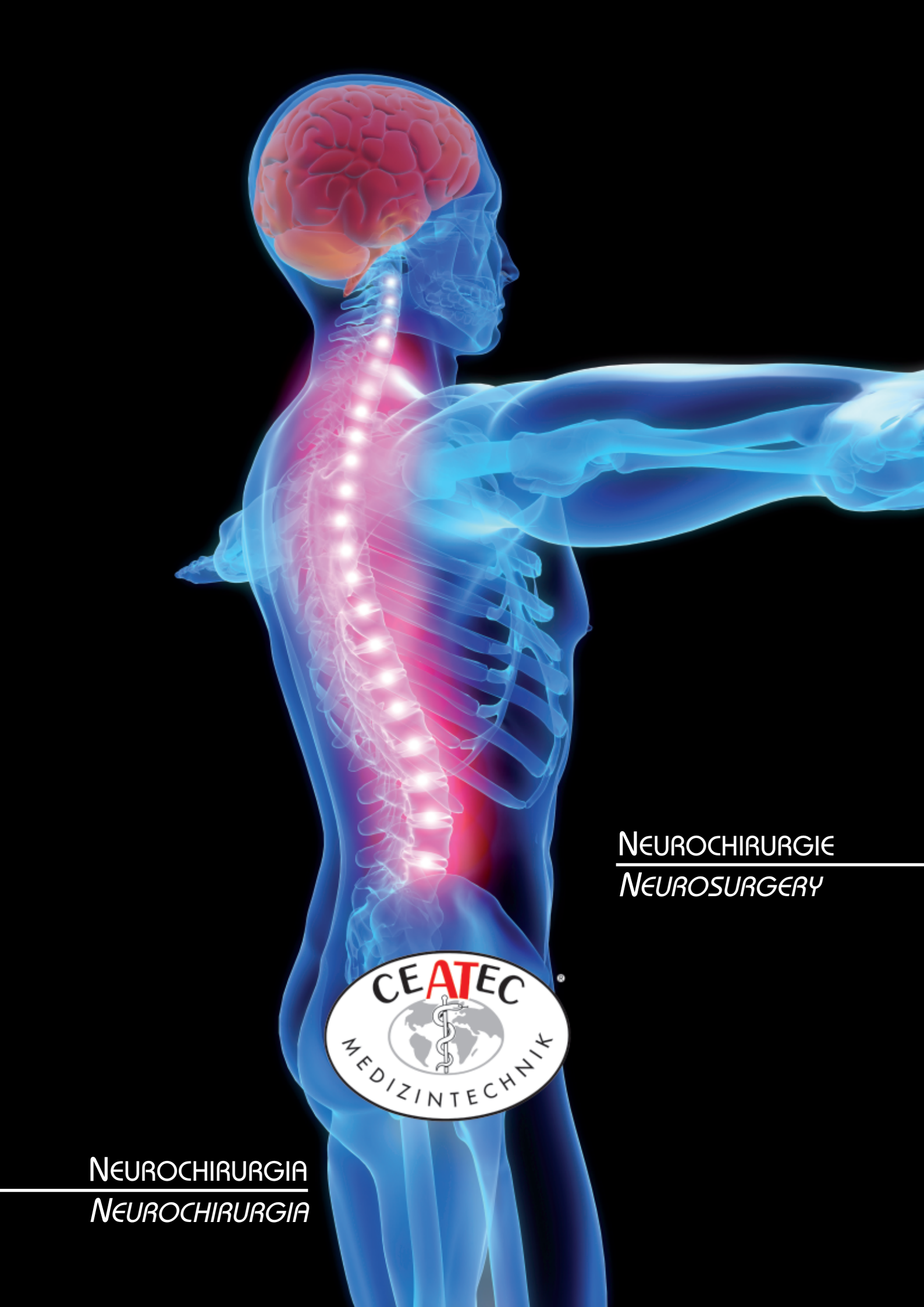


NEUROCHIRURGIE
NEUROSURGERY

NEUROCHIRURGIA
NEUROCHIRURGIA



CERTIFICATE

DQS GmbH

CEATEC Medizintechnik GmbH & Co. KG

Quality Management System.

EN ISO 13485 : 2003 + AC 2007

October 2007 edition

This certificate is valid until: 2015-10-12

Certificate Registration No.: 217468 MP23

Frankfurt am Main: 2009-06-17

THE INTERNATIONAL CERTIFICATION NETWORK

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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 cittá 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 citata 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 sein 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 comlpy with his requests, we are not doing him a favour. He is doing us a favour in letting us fullfil 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 fullfil 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 tefefoni 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 soddifare 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. Peró lui ha il diritto di esprimere la sua opinione.
- ★ Il cliente ci sottopone le sue esigenze. È il nostro obbligo di soddifare queste esigenze in modo fruttuoso per ambedue le parti.

Nuestra filosofia de empresa

Válido para todos:
El cliente: nuestro centro de atencion

- ★ *El cliente es la persona más importante para nuestra empres, ya sea por teléfono, por correspondencia o se encuentre éste presente.*
- ★ *Él no depende de nostotros, sino que somos nosotros lo que dependemos de él.*
- ★ *No nos molesta en nuestro trabajo, sino que es el sentido y la finalidad de éste.*
- ★ *Él no es ningún eytraño, 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 dirge a nosotros para mantener discusiones o medir su 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 comany’s founder, and also the members of staff, can look back on more then 30 years experience in the international market.
Our objectives are:

*- **QUALITY - PRODUCT SAFETY - DEPENDABILITY - 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 vendità 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:

- QUALITÁ - 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.

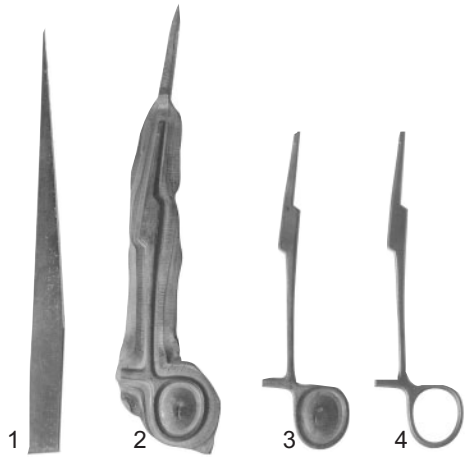
CEATEC es una pequeña empresa familiar (fundada en el año 1995) con sede en Wurmlingen al lado de Tuttlingen. Se ha especializado en la distribución de instrumental quirúrgico de alta calidad “Made in Germany”. El fundador y sus colaboradores tienen una experiencia de más de treinta años en el sector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

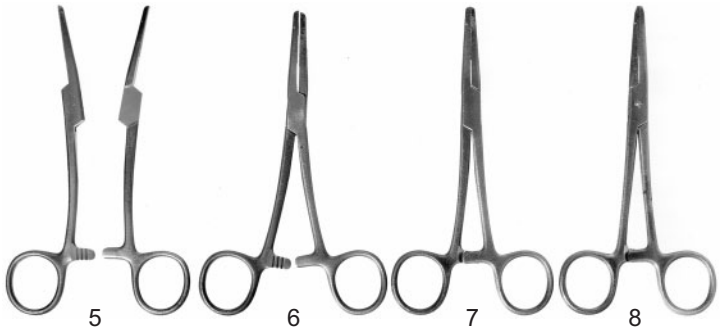
- CALIDAD - SEGURIDAD - SERVICIO - CONFIANZA -

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 nuestro productos. En el centro de nuestras actividades ponemos las exigencias y las necesidades de nuestros clientes.

Instrumenten - Werdegang
Stages of an Instrument
Elaborazione di uno strumento chirurgico
Elaboración de un instrumento quirúrgico

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 elaboración 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. Abkraten: 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.
   Milled: 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.
   Filed.
   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.
    Hardened.
    Tempra.
    Templar.
11. Polieren.
    Polished.
    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 polished.
    Brunitura ad ultrasuono.
    Pulimentación electrolítica.
14. Auswaschen.
    Washed.
    Pulire.
    Lavar.
15. Ölen.
    Oiled.
    Lubrificare.
    Aceitar.
16. Fertiges Instrument.
    Finished instrument.
    Strumento finito.
    Instrumento terminado.

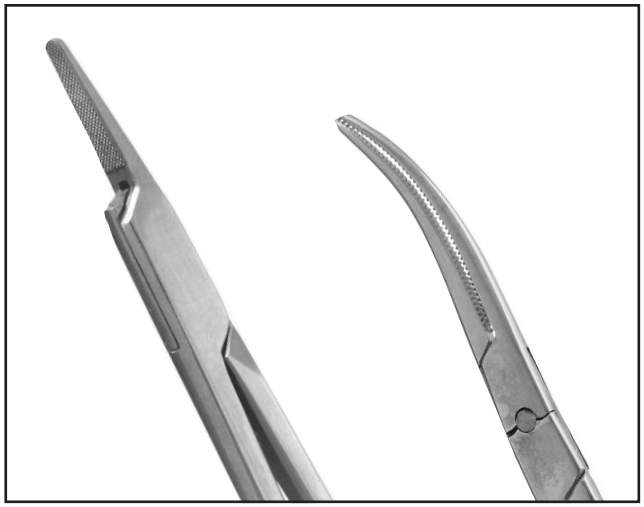
Fabrikneue chirurgische Instrumente sind vor der ersten Sterilisation zu reinigen.
Arterienklemmen müssen im geöffnetem Zustand gereinigt werden.
Vor dem Sterilisieren, d.h. beim Zusammenstellen der Operationssiebe sollte die die Rastensperre nur im ersten Zahn geschlossen werden, dadurch wird vermieden, 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 replacement cleanliness!

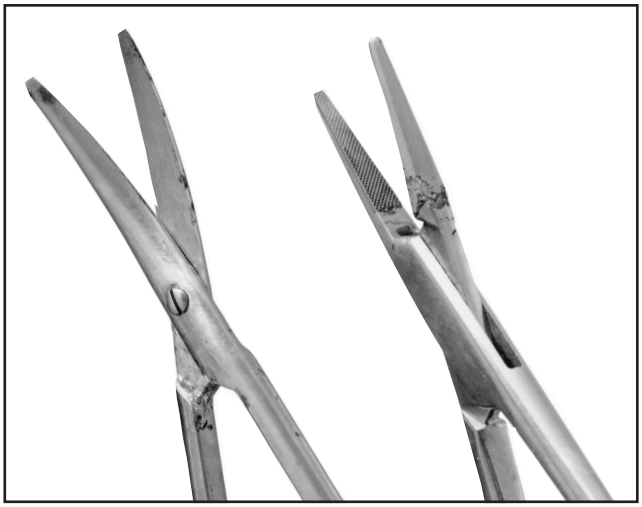
Nuovi strumenti chirurgici, primo della prima sterilizzazione debbono essere lavati.
Le pinze emostatiche debbono essere pulite in posizione aperta.
Prima della sterilizzazione, quindi durante la composizione dei set operativi, la cremagliera delle pinze emostatiche dovrebbe essere chiusa solo nel primo scatto. Cosí, si evita che gli strumenti siano sotto pressione durante la sterilizzazione (aumento di temperatura fino a 134°C) e ció 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 estando abiertas.
Antes de la esterilización, es decir al colocar juntos los tamices 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 substituto de la limpieza!

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



Interner 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 colruri
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 cannot make in a lesser form 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.

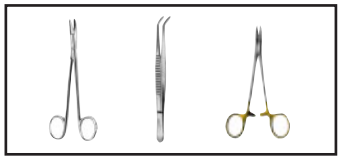
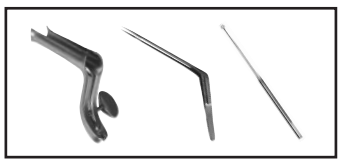
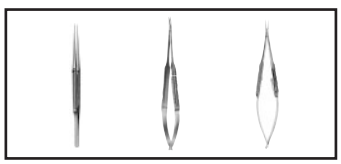
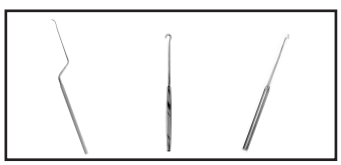
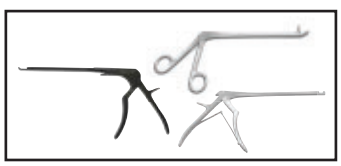
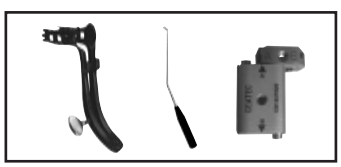
John Ruskin
engl. social reformer (1819-1900)

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 sólamente 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 enfrontáis.
Y si actuáis de esta manera, entoces tenéis bastante dinero para pagar una cosa de mejor calidas.

John Ruskin
Reformador social ingl. (1819-1900)

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Allgemeines Instrumentarium

General instruments

CEATEC MEDIZINTECHNIK

Strumentario generale

Instrumental general



STANDARD
AA 100.10 - AA 100.20

AA 100.10 100mm / 4¼”	AA 100.11 110mm / 4½”	AA 100.13 130mm / 5”	AA 100.14 140mm / 5½”
AA 100.15 150mm / 6”	AA 100.16 160mm / 6½”	AA 100.18 180mm / 7”	AA 100.20 200mm / 8”



STANDARD
AA 102.10 - AA 102.20

AA 102.10 100mm / 4¼”	AA 102.11 110mm / 4½”	AA 102.13 130mm / 5”	AA 102.14 140mm / 5½”
AA 102.15 150mm / 6”	AA 102.16 160mm / 6½”	AA 102.18 180mm / 7”	AA 102.20 200mm / 8”





STANDARD
AA 104.10 - AA 104.20

AA 104.10 100mm / 4¼”	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 / 4¼”	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”



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”	

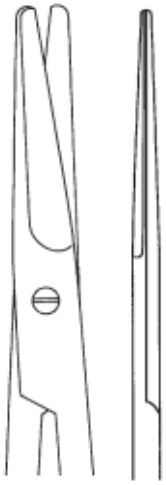


STANDARD
AA 109.11 - AA 109.20

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

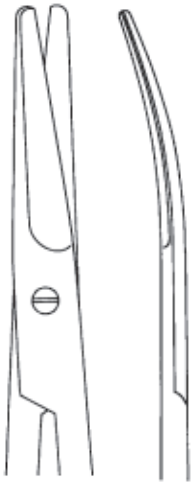


AA 170.14
140mm / 5½”

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”





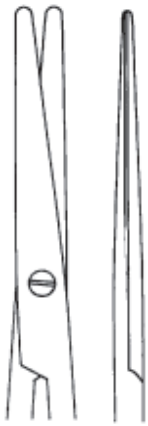
AA 250.14
140mm / 5½”



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”

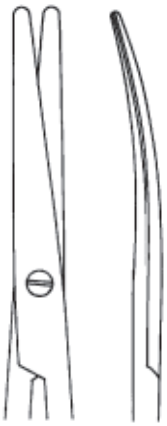
AA 280.25
250mm / 10”

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”

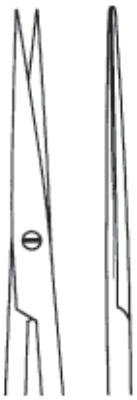
AA 285.25
250mm / 10”

AA 285.28
280mm / 11”

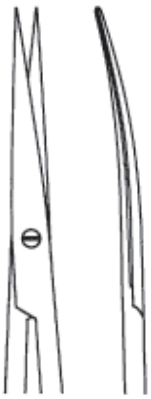
AA 285.30
300mm / 12”

METZENBAUM - NELSON
AA 285.18 - AA 285.30





AA 300.15
150mm / 6”



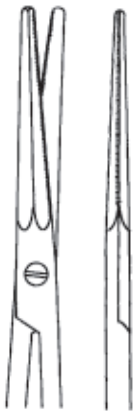
AA 301.15
150mm / 6”

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

AA 300.15 - AA 301.15

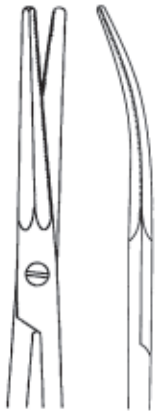
Schneiden sind außen halbscharf und Innenseite gezahnt.
Blades are outside semi-sharp and inside serrated.
Le lame sono esternamente semitaglienti mentre internamente dentellate.
Los filos son semi-cortantes en el exterior y dentados en el interior.





AA 306.12
120mm / 4¾"

AA 306.19
190mm / 7½"

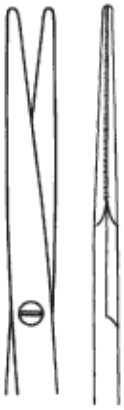


AA 307.12
120mm / 4¾"

AA 307.19
190mm / 7½"

GORNEY
AA 306.12 - AA 307.19





AA 326.14
140mm / 5½"

AA 330.18
180mm / 7"

AA 330.20
200mm / 8"

AA 330.23
230mm / 9"



AA 327.14
140mm / 5½"

AA 331.18
180mm / 7"

AA 331.20
200mm / 8"

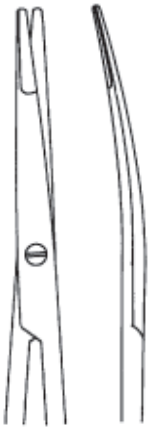
AA 331.23
230mm / 9"

METZENBAUM
AA 326.14 - AA 331.23





AA 358.12
120mm / 4¾”



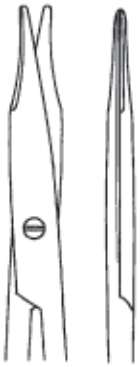
AA 359.12
120mm / 4¾”

AA 359.15
150mm / 6”

AA 359.18
180mm / 7”

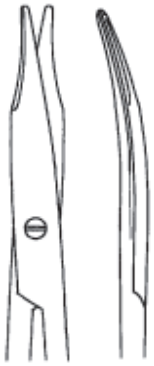
KILNER (RAGNELL)
AA 358.12 - AA 359.18





AA 364.15
150mm / 6”

AA 364.18
180mm / 7”



AA 365.15
150mm / 6”

AA 365.18
180mm / 7”

REYNOLDS
AA 364.15 - AA 365.18



DIETRICH
AA 380.25 - AA 381.00



AA 380.25
180mm / 7”



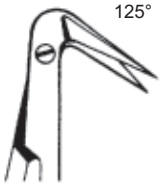
AA 380.45
180mm / 7”



AA 380.60
180mm / 7”



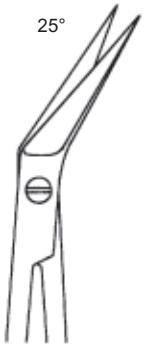
AA 380.90
170mm / 6¾”



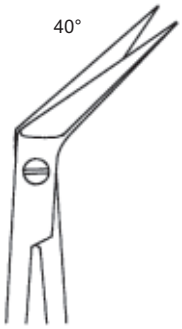
AA 381.00
170mm / 6¾”



POTTS - SMITH
AA 391.25 - AA 397.60



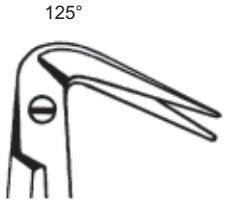
AA 391.25
190mm / 7½”



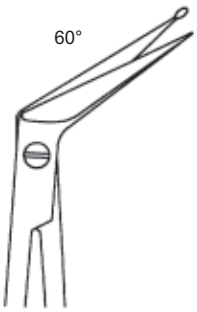
AA 391.40
190mm / 7½”



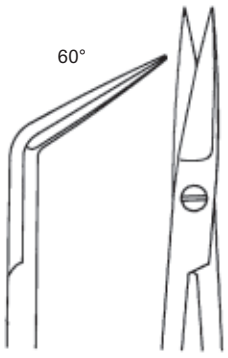
AA 391.60
190mm / 7½”



AA 393.00
190mm / 7½”

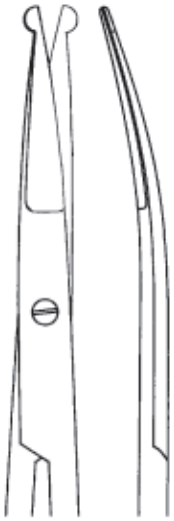


AA 395.60
190mm / 7½”



AA 397.60
190mm / 7½”





AA 445.22
220mm / 8¾"

STRULLY
AA 445.22



AA 451.17
170mm / 6¾"

DANDY
AA 451.17





AA 455.17
170mm / 6¾"

SCHMIEDEN - TAYLOR
AA 455.17



AA 457.15
150mm / 6"

JAMESON
AA 457.15



AA 459.17
170mm / 6¾”

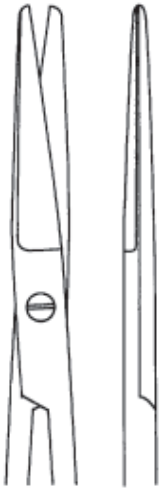
TOENNIS - ADSON
AA 459.17



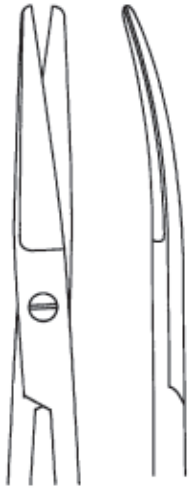
AA 475.23
230mm / 9”

OLIVECRONA
AA 475.23





AA 466.18
180mm / 7”

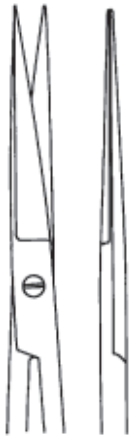


AA 467.18
180mm / 7”

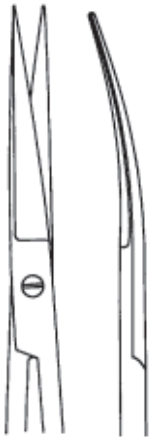
TOENNIS
AA 466.18 - AA 467.18



WAGNER
AA 570.12 - AA 571.12



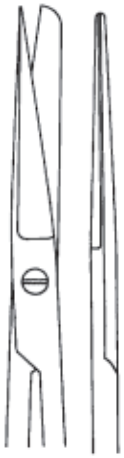
AA 570.12
120mm / 4¾"



AA 571.12
120mm / 4¾"



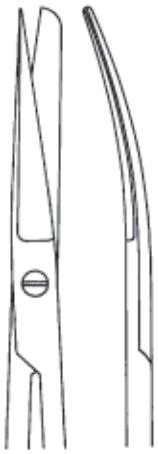
AA 582.12 - AA 589.12



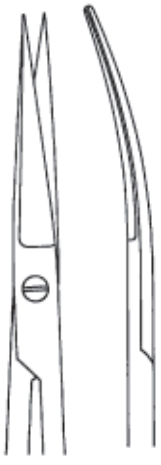
AA 582.12
120mm / 4¾"



AA 584.12
120mm / 4¾"



AA 587.12
120mm / 4¾"



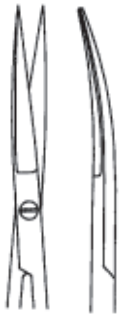
AA 589.12
120mm / 4¾"





AA 620.09
90mm / 3½"

AA 620.10
100mm / 4¼"



AA 621.09
90mm / 3½"

AA 621.10
100mm / 4¼"

AA 620.09 - AA 621.10







AA 630.11
110mm / 4½"



AA 631.11
110mm / 4½"



AA 633.11
110mm / 4½"

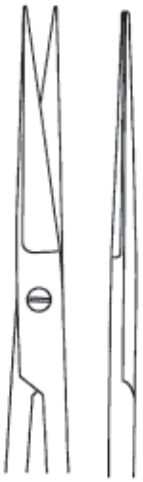


AA 635.11
110mm / 4½"

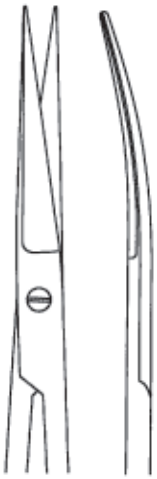
AA 630.11 - AA 635.11



AA 640.12 - AA 641.12



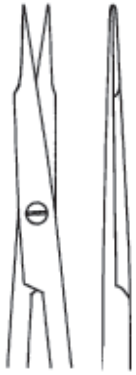
AA 640.12
120mm / 4¾"



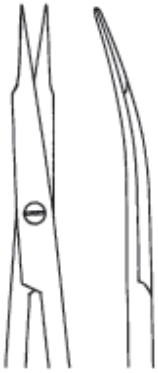
AA 641.12
120mm / 4¾"



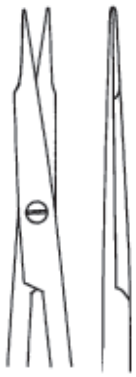
STEVENS
AA 680.11 - AA 683.11



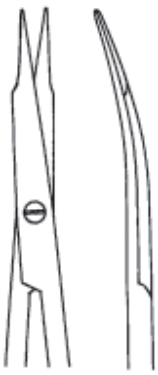
AA 680.11
110mm / 4½"
spitz, *pointed*
acute, *agudas*



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



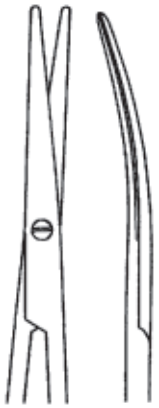
AA 682.11
110mm / 4½"
stumpf, *blunt*
smusse, *romas*



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



AA 690.11
110mm / 4½"



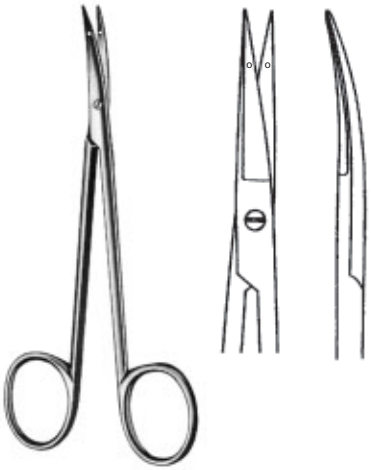
AA 691.11
110mm / 4½"

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”

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

AA 806.14
AA 807.14
AA 808.14
AA 809.14



UNIVERSAL
AA 806.18 - AA 809.18
180mm / 7”

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

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 endeckt 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.

Tungston 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, que fue 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 aproxim ádamente de 3380°C, es decir mas alto que él de todos los metales conocidos, el punto de ebullición es aproximádamente 5500°C.
En aleación con carburos metálicos la dureza es parecida a la del diamente.
Carburo de tungsteno es el metal más duro creado por el hombre.

CT - ORO



STANDARD
AA 902.14 - AA 906.14



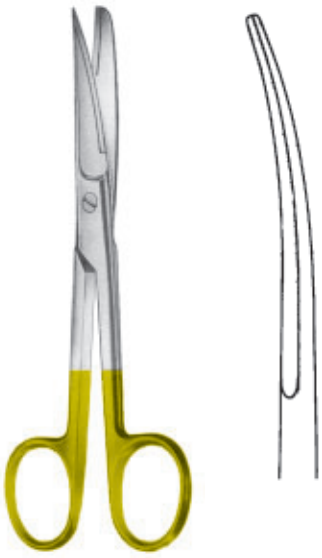
AA 902.14
140mm / 5½"



AA 904.14
140mm / 5½"



AA 906.14
140mm / 5½"



STANDARD
AA 903.14 - AA 907.14



AA 903.14
140mm / 5½"



AA 905.14
140mm / 5½"



AA 907.14
140mm / 5½"

CT - ORO



MAYO
AA 910.14 - AA 911.23



AA 910.14
140mm / 5½”

AA 910.17
170mm / 6¾”

AA 910.23
230mm / 9”



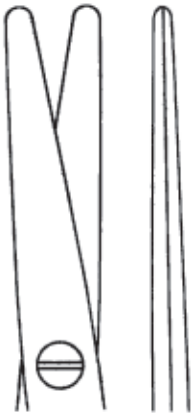
AA 911.14
140mm / 5½”

AA 911.17
170mm / 6¾”

AA 911.23
230mm / 9”



MAYO - STILLE
AA 930.15 - AA 931.17



AA 930.15
150mm / 6”

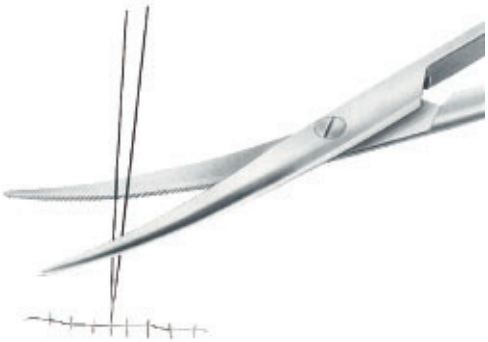
AA 930.17
170mm / 6¾”



AA 931.15
150mm / 6”

AA 931.17
170mm / 6¾”

CT - ORO



Nahtscheren
Suture Scissors
Forbici per sutura
Tijeras para sutura



AA 915.14
140mm / 5½"



AA 915.18
180mm / 7"







AA 915.23
230mm / 9"



AA 915.26
260mm / 10¼"

AA 915.14 - AA 915.26

CT - ORO

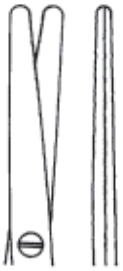




AA 935.16
160mm / 6½"

MAYO - LEXER
AA 935.16





AA 936.11
110mm / 4½"

AA 938.14
140mm / 5½"



AA 937.11
110mm / 4½"

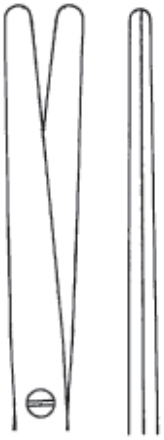
AA 939.14
140mm / 5½"

METZENBAUM
AA 936.11 - AA 939.14

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”

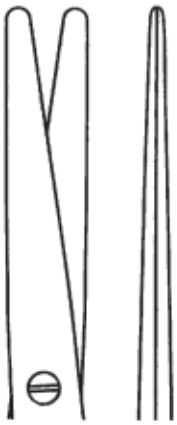
AA 943.25
250mm / 10”

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”

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”

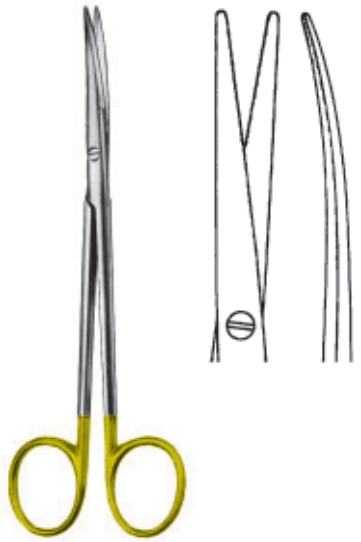




METZENBAUM - FINO
AA 955.14 - AA 961.28

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”

CT - ORO



TOENNIS - ADSON
AA 965.17
170mm / 6¾”





AA 980.13
130mm / 5”



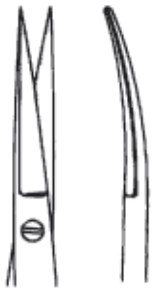
AA 981.13
130mm / 5”

GOLDMANN - FOX
AA 980.13 - AA 981.13





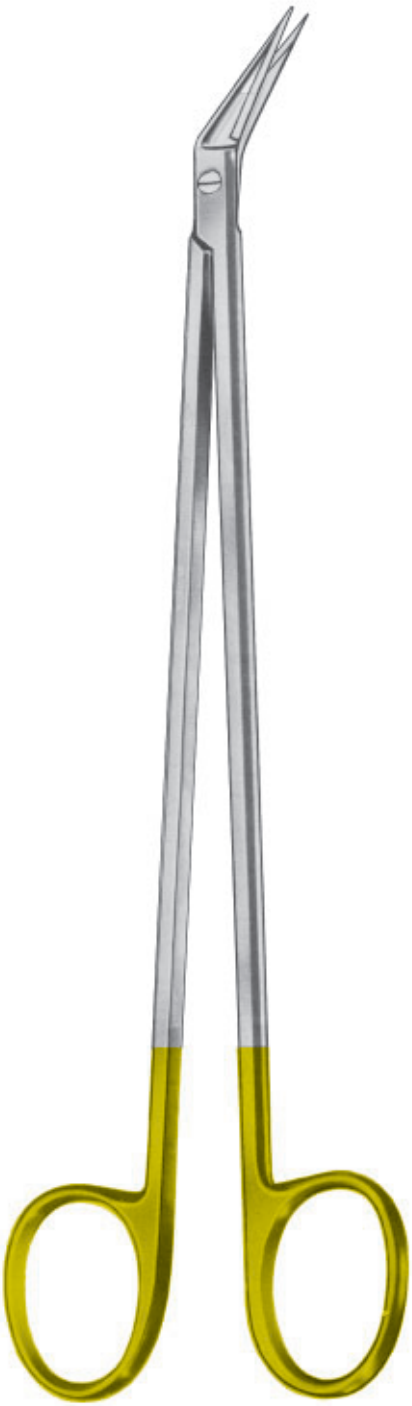
AA 982.11
110mm / 4½”



AA 983.11
110mm / 4½”

AA 982.11 - AA 983.11

CT - ORO



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



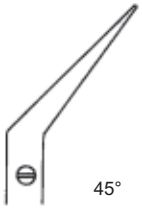


AA 995.12
120mm / 4¾”

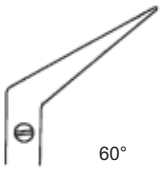
UNIVERSAL
AA 995.12



25°
AA 985.25
190mm / 7½”



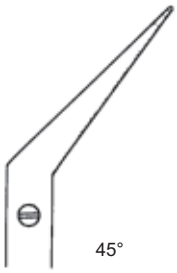
45°
AA 985.45
190mm / 7½”



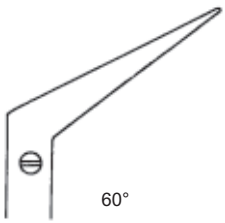
60°
AA 985.60
190mm / 7½”



25°
AA 987.25
230mm / 9”



45°
AA 987.45
230mm / 9”



60°
AA 987.60
230mm / 9”



WA 378.10
100mm / 4¼”

WA 378.10



WA 379.10
100mm / 4¼”

WA 379.10



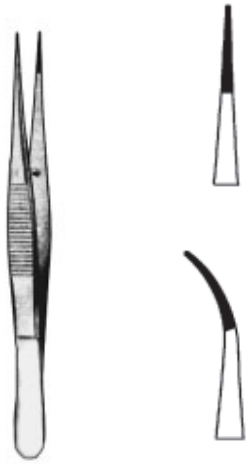




Schmal
Narrow
Strette
Estrechas

STANDARD
AB 100.14 - AB 100.25

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”



AB 140.09 - AB 141.14

AB 140.09 90mm / 3½”	AB 140.10 100mm / 4¼”	AB 140.11 110mm / 4½”	AB 140.13 130mm / 5”	AB 140.14 140mm / 5½”
AB 141.09 90mm / 3½”	AB 141.10 100mm / 4¼”	AB 141.11 110mm / 4½”	AB 141.13 130mm / 5”	AB 141.14 140mm / 5½”



AB 168.12
120mm / 4¾”

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 / 4¾”

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 / 8¼”

AB 192.25
250mm / 10”

AB 193.18
180mm / 7”

AB 193.21
210mm / 8¼”

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”

DUEHRSSEN
AB 210.20

CT - ORO



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”

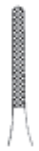
AB 200.25
250mm / 10”

AB 200.30
300mm / 12”

STANDARD
AB 200.11 - AB 200.30

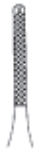
Normalprofil
Normal profile
Profilo normale
Perfil normal





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

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"

Miniprofil
Mini profile
Profilo mini
Perfil mini



AB 272.15
150mm / 6"

AB 272.19
190mm / 7½"

AB 272.24
240mm / 9½"

DE BAKEY
AB 270.15 - AB 272.24



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”

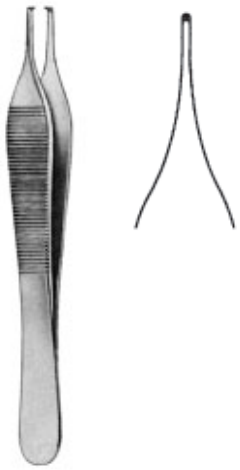
AB 322.14 - AB 322.25
1:2 Zähne, *Teeth,* Denti, *Dientes*



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*



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”

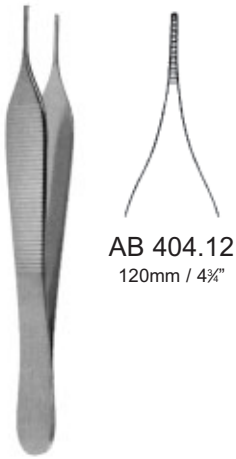
AB 390.30
300mm / 12”

WAUGH
AB 390.18 - AB 390.30
1:2 Zähne, *Teeth,* Denti, *Dientes*



AB 402.12
120mm / 4¾"

MINI - ADSON
AB 402.12
1:2 Zähne, *Teeth,* Denti, *Dientes*



AB 404.12
120mm / 4¾"

MICRO - ADSON
AB 404.12
1:2 Zähne, *Teeth,* Denti, *Dientes*



AB 405.12
120mm / 4¾"

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 / 4¾"

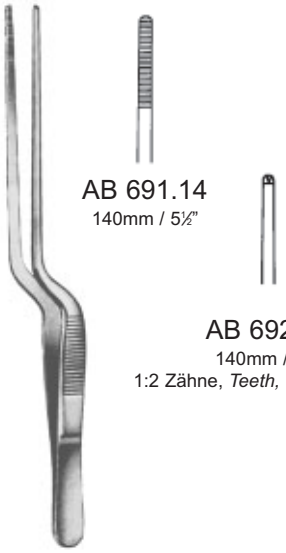
ADSON
AB 416.12
1:2 Zähne, *Teeth,* Denti, *Dientes*



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 697.20
200mm / 8”

GRÜNWALD
AB 697.20
1:2 Zähne, *Teeth,* Denti, *Dientes*





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





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



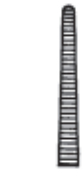
2,0 mm

CB 389.16
160mm / 6½”

CB 389.20
200mm / 8”

DE BAKEY
CB 389.16 - CB 389.20





AC 150.08
80mm / 3⅜”

CARREL
AC 150.08





AC 306.10
100mm / 4¼”



AC 307.10
100mm / 4¼”

HARTMANN
AC 306.10 - AC 307.10



HALSTED - MOSQUITO
AC 310.12 - AC 313.14



AC 310.12
120mm / 4¾”



AC 310.14
140mm / 5½”

1:2 Zähne, *Teeth,* Denti, *Dientes*



AC 311.12
120mm / 4¾”



AC 311.14
140mm / 5½”

1:2 Zähne, *Teeth,* Denti, *Dientes*



AC 312.12
120mm / 4¾”



AC 312.14
140mm / 5½”



AC 313.12
120mm / 4¾”



AC 313.14
140mm / 5½”



HALSTED - MOSQUITO
AC 320.10 - AC 323.12



AC 320.10
100mm / 4¼”



AC 320.12
120mm / 4¾”

1:2 Zähne, *Teeth,* Denti, *Dientes*



AC 321.10
100mm / 4¼”



AC 321.12
120mm / 4¾”

1:2 Zähne, *Teeth,* Denti, *Dientes*



AC 322.10
100mm / 4¼”



AC 322.12
120mm / 4¾”



AC 323.10
100mm / 4¼”



AC 323.12
120mm / 4¾”



PROVIDENCE - HOSPITAL
AC 324.14 - AC 325.14



AC 324.14
140mm / 5½”



AC 325.14
140mm / 5½”



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”





AC 330.14
140mm / 5½”



AC 331.14
140mm / 5½”

KELLY
AC 330.14 - AC 331.14





AC 334.16
160mm / 6½”



AC 335.16
160mm / 6½”

KELLY - RANKIN
AC 334.16 - AC 335.16





AC 336.14
140mm / 5½”



AC 337.14
140mm / 5½”

BABY-CRILE
AC 336.14 - AC 337.14



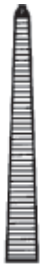


AC 340.14
140mm / 5½”



AC 341.14
140mm / 5½”

1:2 Zähne, *Teeth,* Denti, *Dientes*



AC 342.14
140mm / 5½”



AC 343.14
140mm / 5½”

CRILE
AC 340.14 - AC 343.14



1:2 Zähne, *Teeth,*
Denti, *Dientes*





AC 346.16
160mm / 6½”



AC 347.16
160mm / 6½”

CRILE - RANKIN
AC 346.16 - AC 347.16





AC 348.15
150mm / 6”



AC 350.15
150mm / 6”

LOVELACE
AC 348.15 - AC 350.15

1:2 Zähne, *Teeth,*
Denti, *Dientes*





AC 353.12
120mm / 5”

DUNHILL
AC 353.12





AC 355.14
140mm / 5½”



AC 357.14
140mm / 5½”

DANDY
AC 355.14 - AC 357.14

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*



KOCHER
AC 384.14 - AC 385.16

1:2 Zähne, *Teeth,* Denti, *Dientes*



AC 384.14
140mm / 5½”



AC 384.16
160mm / 6”

1:2 Zähne, *Teeth,* Denti, *Dientes*



AC 385.14
140mm / 5½”



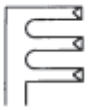
AC 385.16
160mm / 6”



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

FINSEN
AD 700.05 - AD 703.07

3:3 Zähne, *Teeth,* Denti, *Dientes*





AD 708.04
40mm / 1½”

LOGAN
AD 708.04

4:4 Zähne, *Teeth,* Denti, *Dientes*





AD 714.07
70mm / 2¾”



AD 714.10
100mm / 4¼”

scharf, *sharp,* acuto, *agudo*



AD 715.07
70mm / 2¾”



AD 715.10
100mm / 4¼”

stumpf, *blunt,* smusso, *romo*

ALM
AD 714.07 - AD 715.10

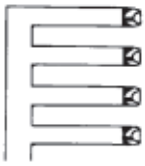


AD 728.14
140mm / 5½”

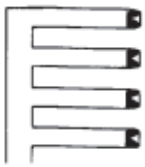
Adson
AD 728.14



3:4 Zähne, *Teeth,* Denti, *Dientes*



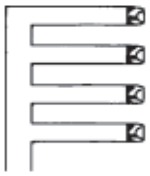
AD 750.13
130mm / 5”
stumpf, *blunt,*
smusso, *romo*



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*

WEITLANER
AD 750.13 - AD 751.16





AD 754.14
140mm / 5½"

scharf, *sharp,*
acuto, *agudo*

MOLLISON
AD 754.14



AD 761.14
140mm / 5½"

stumpf, *blunt,*
smusso, *romo*

JEFFERSON
AD 761.14

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



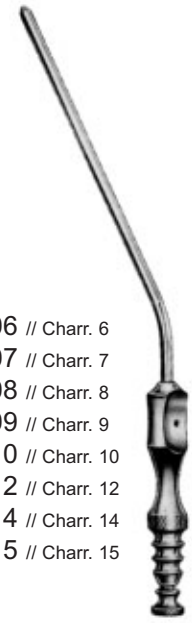
AE 647.16
160mm / 6½”

DE BAKEY
AE 647.16

Ø 4mm

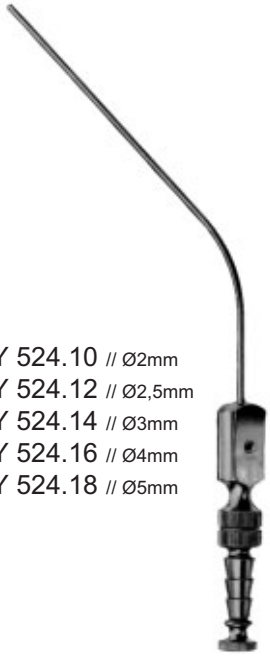


ADSON
AY 521.21
210mm / 8¼"



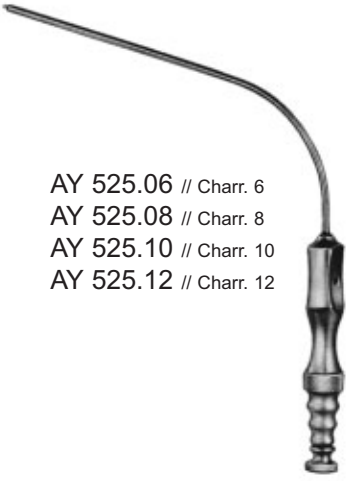
AY 523.06 // Charr. 6
AY 523.07 // Charr. 7
AY 523.08 // Charr. 8
AY 523.09 // Charr. 9
AY 523.10 // Charr. 10
AY 523.12 // Charr. 12
AY 523.14 // Charr. 14
AY 523.15 // Charr. 15

FRAZIER
AY 523.06 - AY 523.15
190mm / 7½"



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

FERGUSSON
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 / 5½"
Satz, *Serie,* Set, *Juego*

Ø 0,4mm



Ø 0,6mm

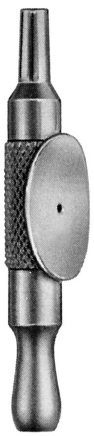


Ø 0,8mm



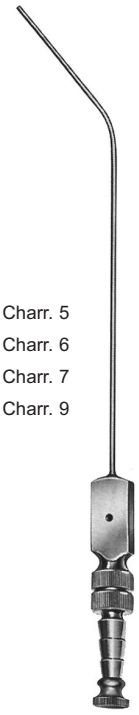
AY 527.04
AY 527.06
AY 527.08

Ø 7mm

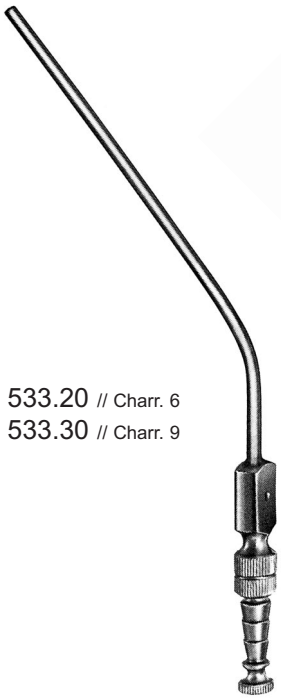


HOUSE
AY 528.55
55mm / 2⅛"

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

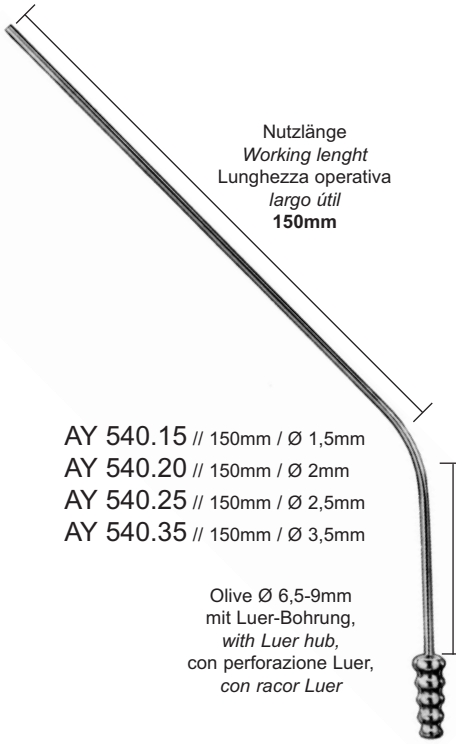


PLESTER
AY 529.05 - AY 529.09
200mm / 8"



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

FERGUSSON
AY 533.20 - AY 533.30
200mm / 8"

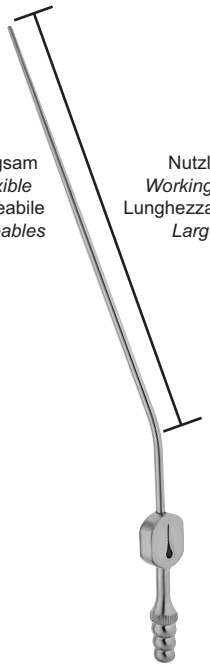


AY 540.15 // 150mm / Ø 1,5mm
AY 540.20 // 150mm / Ø 2mm
AY 540.25 // 150mm / Ø 2,5mm
AY 540.35 // 150mm / Ø 3,5mm

YASARGIL
AY 540.15 - AY 540.35
210mm / 8¼"



YANKAUER
AY 543.27
270mm / 10½"



FUKUSHIMA
NY 340.03 - NY 346.10

	100mm / 4"	115mm / 4½"	140mm / 5½"	165mm / 6½"
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



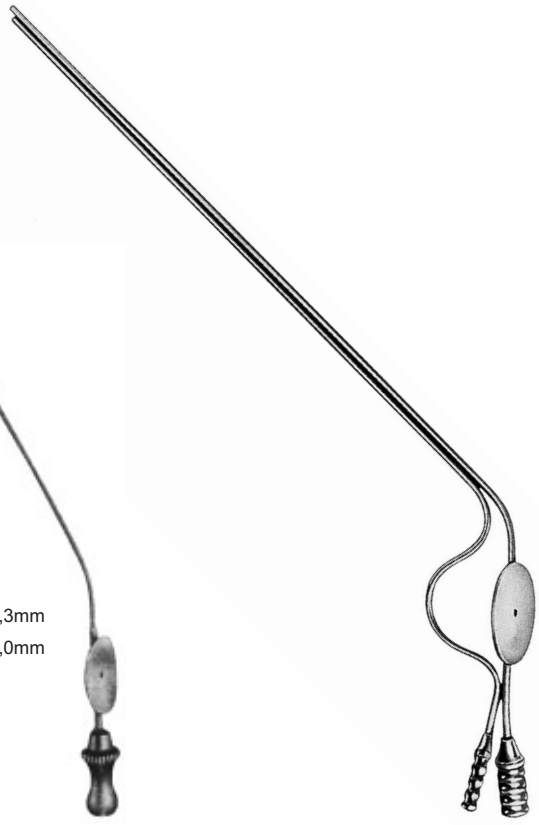
ROSEN
OY 330.05 - OY 330.10
65mm / 2⅗"

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

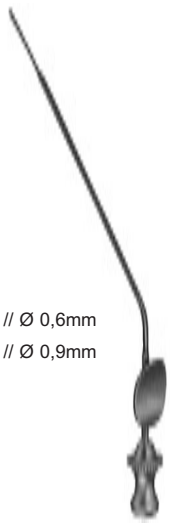


HOUSE
OY 331.09 - OY 331.15
90mm / 3½"

Ø 2,5mm



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



SCHUHKNECHT
OY 335.06 - OY 335.09
130mm / 5⅛"

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

BARRON
OY 526.13 - OY 526.20
160mm / 6¼"

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 // 80mm / 3⅛”
NY 320.10 // 100mm / 4”



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



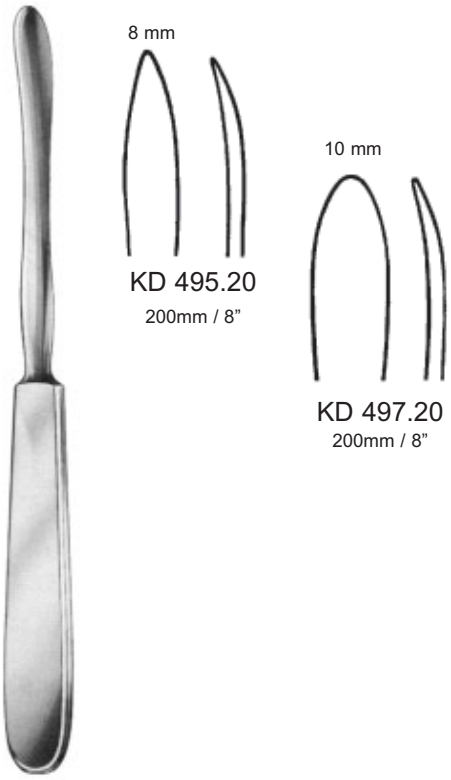
TUOHY
NY 328.13 - NY 328.17
80mm / 3⅛”



SEBILEAU
KD 490.17



LANGENBECK
KD 492.23



LANGENBECK
KD 495.20 - KD 497.20



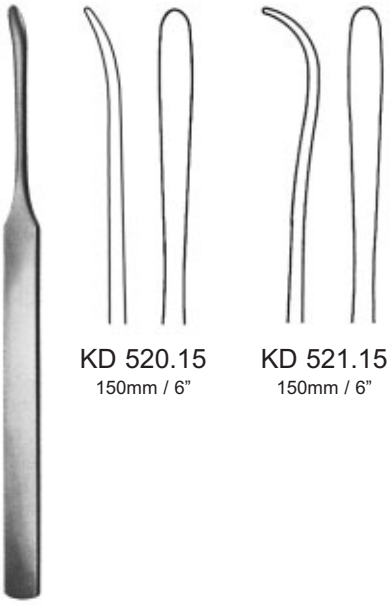
QUERVAIN
KD 498.20



KD 510.17
170mm / 6¾”

KD 513.16
160mm / 6½”

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 / 6½”

KD 523.16



KD 527.19
190mm / 7½”

MC DONALD
KD 527.19



KD 529.13
130mm / 5”

KD 529.18
180mm / 7”

WATSON - CHEYNE
KD 529.13 - KD 529.18





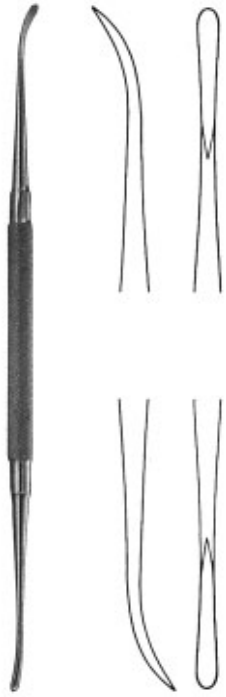
RD 541.19
190mm / 7½”

scharf
sharp
acuto
agudo

RD 543.19
190mm / 7½”

stumpf
blunt
smusso
romo

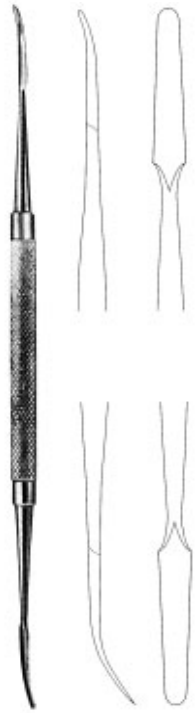
FREER
RD 541.19 - RD 543.19



RD 544.18
180mm / 7”

scharf / stumpf
sharp / blunt
acuto / smusso
agudo / romo

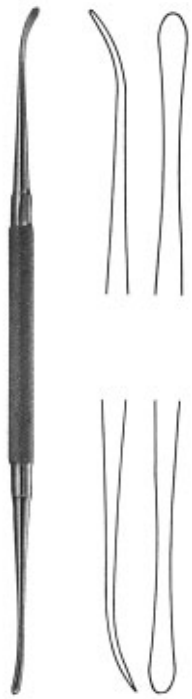
FREER - YASARGIL
RD 544.18



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



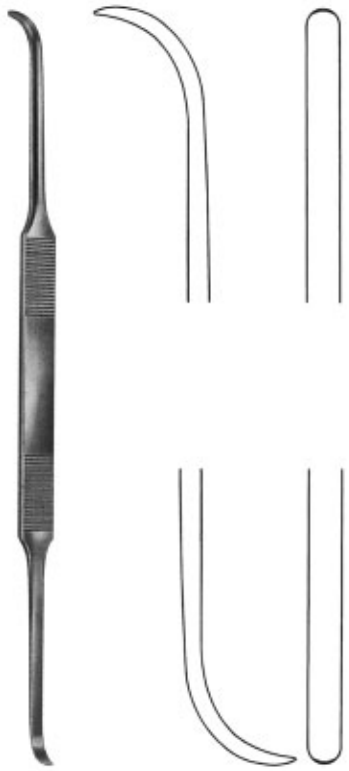
RD 556.22
220mm / 8¾”
scharf / stumpf
sharp / blunt
acuto / smusso
agudo / romo

KILLIAN
RD 556.22



RD 557.20
200mm / 8”

COTTLE
RD 557.20



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

COTTLE
RD 559.23



RD 573.21
210mm / 8¼”
scharf / stumpf
sharp / blunt
acuto / smusso
agudo / romo

HOWARTH
RD 573.21



RN 525.16
160mm / 6½”
stumpf
blunt
smusso
romo

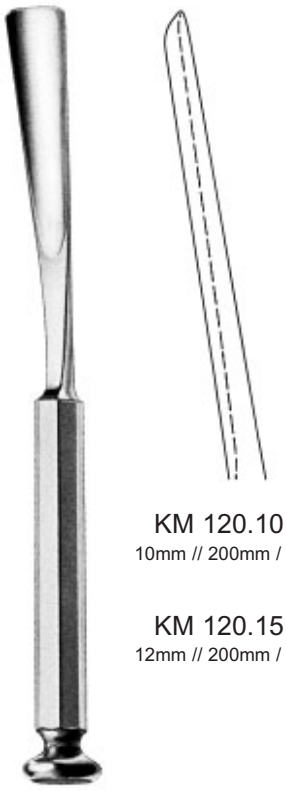
HALLE
RN 525.16



RN 533.20
200mm / 8”
stumpf
blunt
smusso
romo

SEWALL
RN 533.20





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



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

KM 134.05
5mm // 220mm / 8¾”

KM 134.07
7mm // 220mm / 8¾”

KM 134.10
10mm // 220mm / 8¾”

KM 134.15
15mm // 220mm / 8¾”

KM 134.20
20mm // 220mm / 8¾”

KM 134.25
25mm // 220mm / 8¾”

KM 134.30
30mm // 220mm / 8¾”

LEXER
KM 134.05 - KM 134.30



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

KM 135.05
5mm // 220mm / 8¾”

KM 135.07
7mm // 220mm / 8¾”

KM 135.10
10mm // 220mm / 8¾”

KM 135.15
15mm // 220mm / 8¾”

KM 135.20
20mm // 220mm / 8¾”

KM 135.25
25mm // 220mm / 8¾”

KM 135.30
30mm // 220mm / 8¾”

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

8mm



COBB
KM 180.28
280mm / 11”

8mm



COBB
KM 181.28
280mm / 11”

8mm



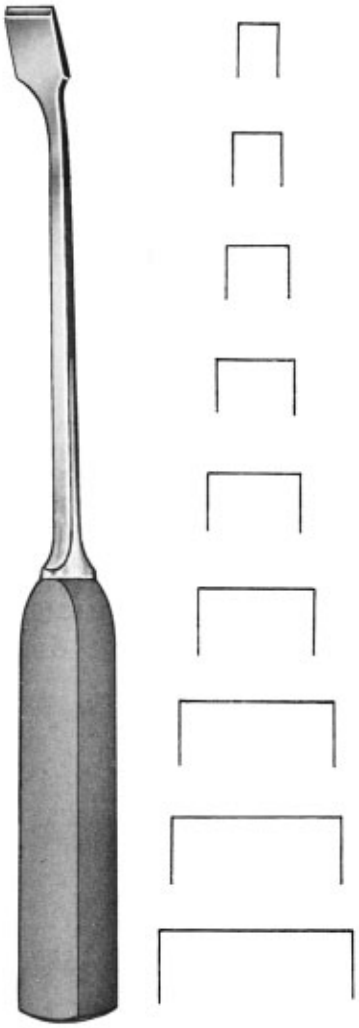
COBB
KM 182.28
280mm / 11”

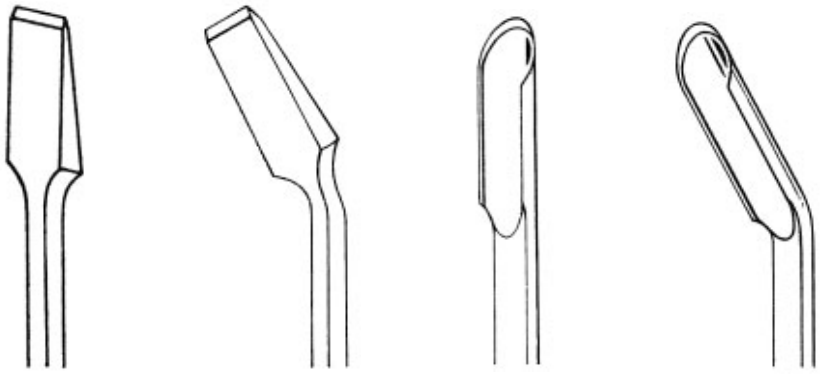
8mm



COBB
KM 183.28
280mm / 11”

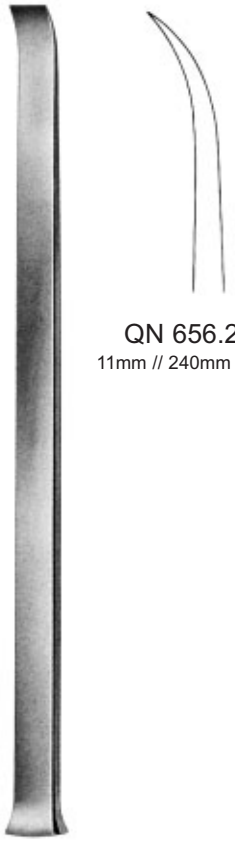
Ferrozellgriff, *Handle from artifical wood,* Manico in “Ferrozell”, *Mango de madera artificial*





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”

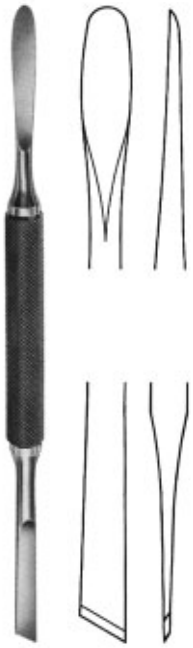
COTTLE
RM 606.04 - RM 606.12





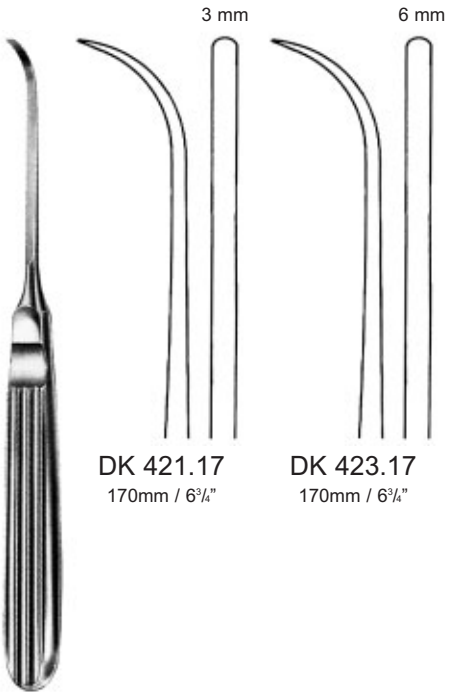
DK 418.19
190mm / 7½”

BÜCHS
DK 418.19



DK 420.16
165mm / 6¼”

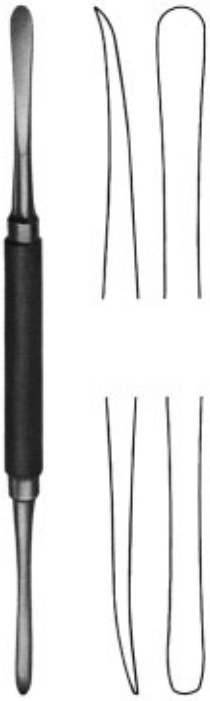
MEAD
DK 420.16



DK 421.17
170mm / 6¾”

DK 423.17
170mm / 6¾”

DK 421.17 - DK 423.17



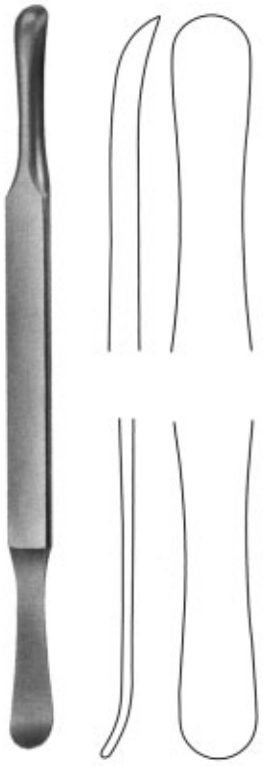
DK 448.19
190mm / 7½”

MOLT
DK 448.19



DK 452.15
150mm / 6”

PARTSCH Mod. LANGE
DK 452.15



DK 453.19
190mm / 7½”

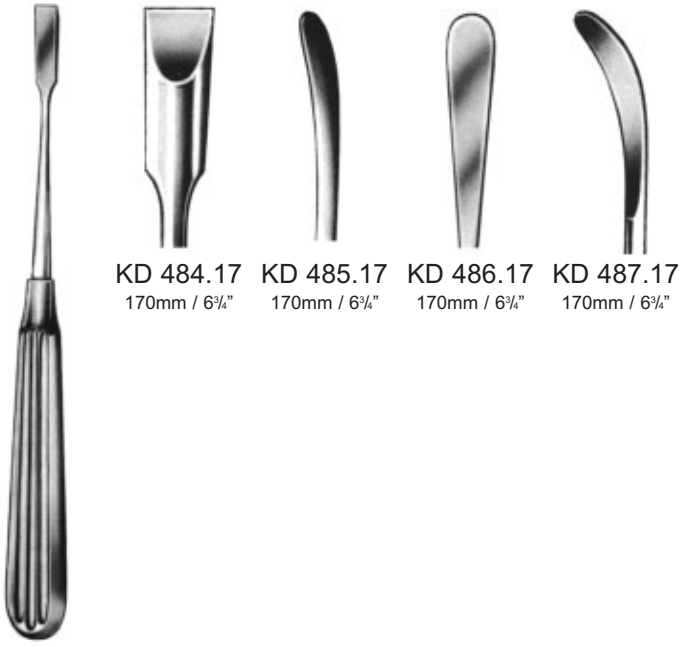
SELDIN
DK 453.19



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



6 mm
KD 519.06
180mm / 6”

12 mm
KD 519.12
190mm / 7½”

19 mm
KD 519.19
200mm / 8”

25 mm
KD 519.25
210mm / 8¼”

KEY
KD 519.06 - KD 519.25



14 mm

KN 401.18
180mm / 7”

LANGENBECK
KN 401.18





LANGENBECK
KN 402.19



McKISSOCK
KN 403.19



JANSEN
KN 405.16



KRÄMER
KN 408.18



KRÄMER
KN 409.19



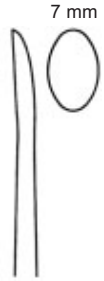
TRELAT
KN 413.15



MANNERFELT
KN 414.07 - KN 414.86



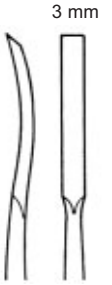
KN 414.04
155mm / 6”



KN 414.07
155mm / 6”



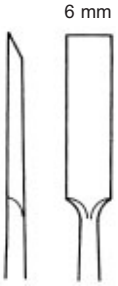
KN 414.09
155mm / 6”



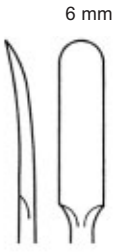
KN 414.23
155mm / 6”



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”



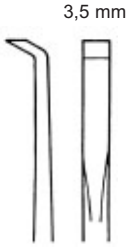
KN 414.66
155mm / 6”



KN 414.84
155mm / 6”

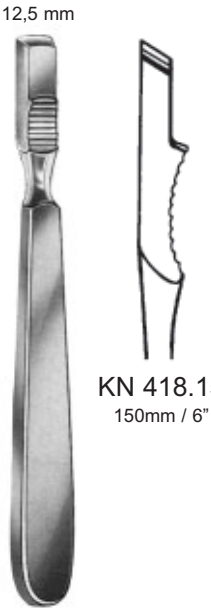


KN 414.86
155mm / 6”



KN 414.93
155mm / 6”

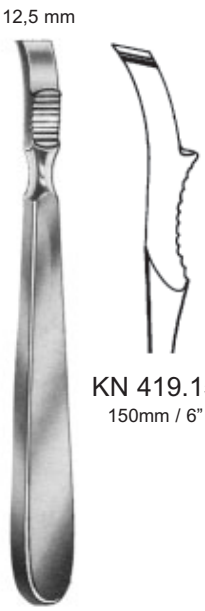
12,5 mm



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

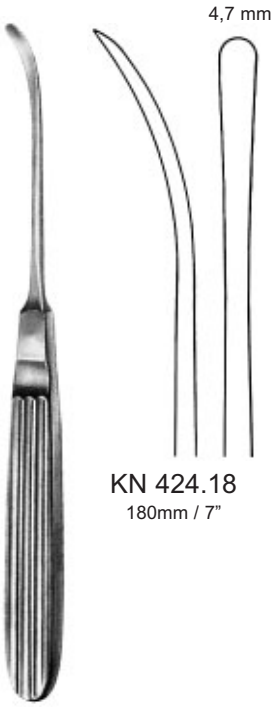
11 mm



KN 421.16
160mm / 6½”

FARABEUF - COLLIN
KN 421.16

4,7 mm



KN 424.18
180mm / 7”

LANDOLT
KN 424.18

4,7 mm



KN 425.18
180mm / 7”

CASPAR
KN 425.18

15 mm



KN 427.21
210mm / 8¼”

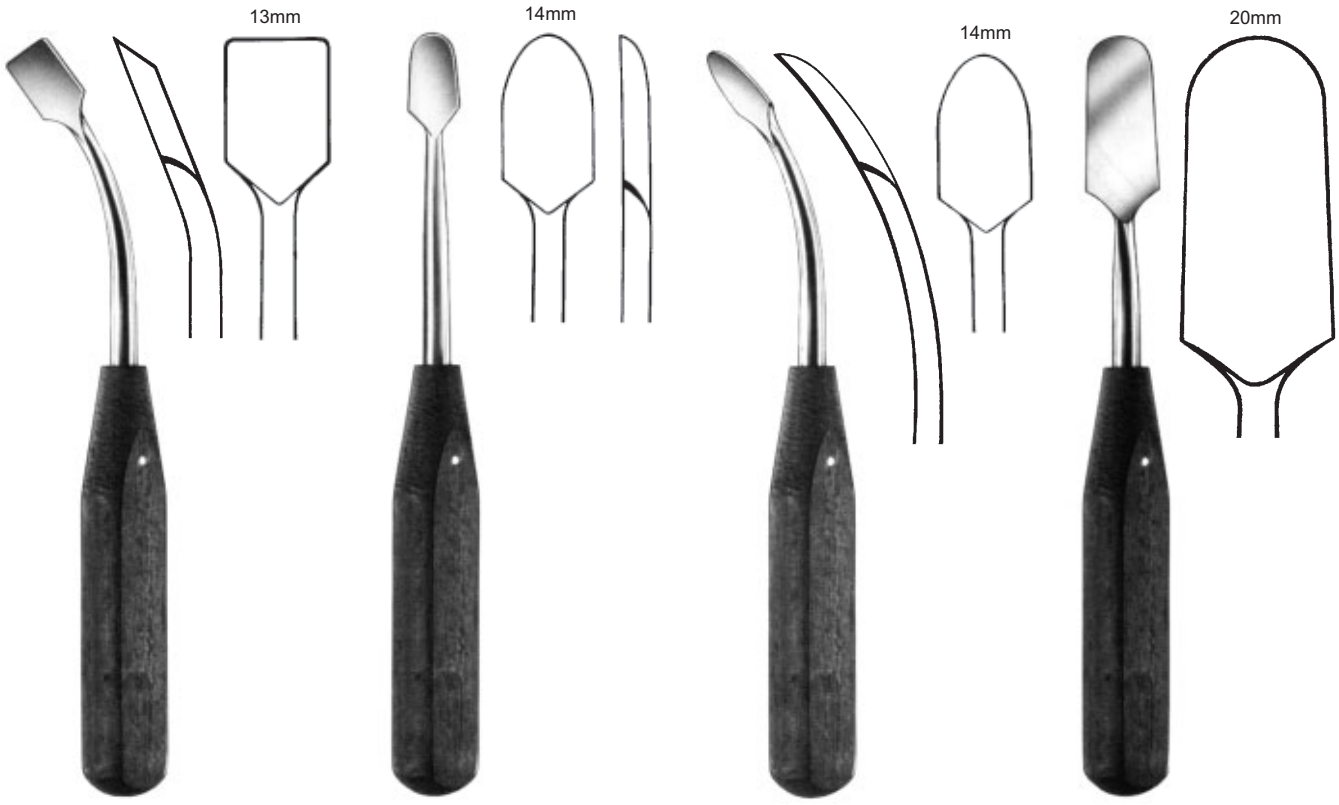
SEDILLOT
KN 427.21

18 mm



KN 429.18
180mm / 7”

SEDILLOT
KN 429.18



KN 428.18
180mm / 7”

KN 430.20
200mm / 8”

KN 431.20
200mm / 8”

KN 432.20
200mm / 8”

Ferrozellgriff, *Handle from artifical wood,* Manico in “Ferrozell”, *Mango de madera artificial*



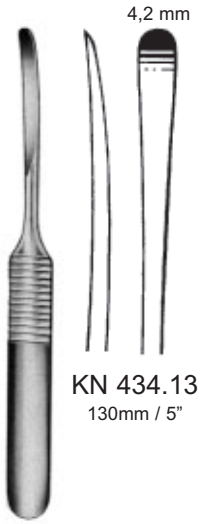
KN 432.18
180mm / 7”

KN 433.18
180mm / 7”

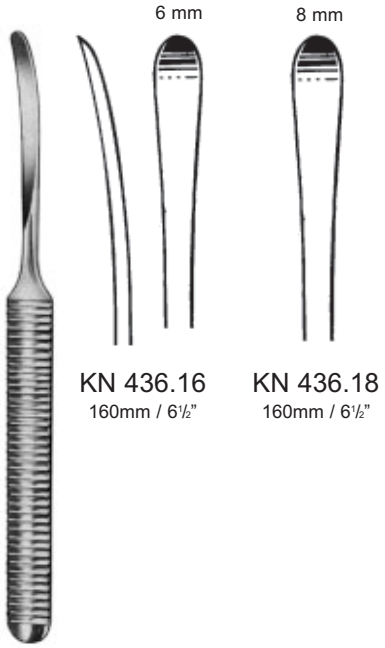
KN 435.18
180mm / 7”

KN 438.19
190mm / 7½”

Ferrozellgriff, *Handle from artifical wood,* Manico in “Ferrozell”, *Mango de madera artificial*



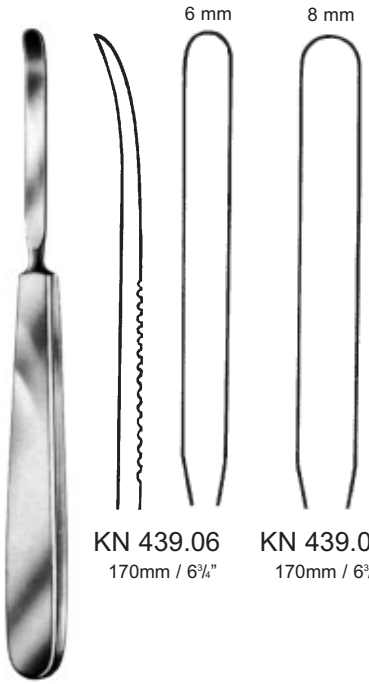
WILLIGER
KN 434.13



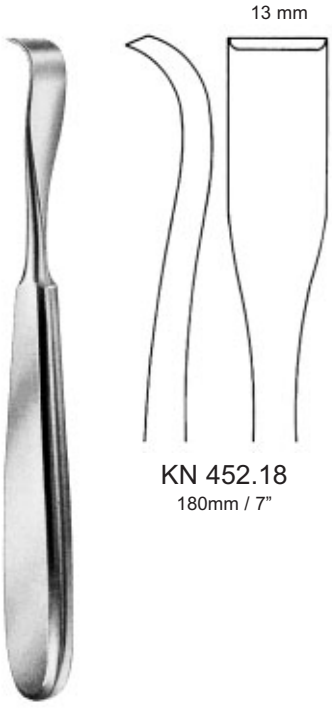
WILLIGER
KN 436.16 - KN 436.18



KÖNIG
KN 437.15



KN 439.06 - KN 439.08



SCHNEIDER
KN 452.18



SCHNEIDER - SAUERBRUCH
KN 453.19



KN 461.05 // 5 mm
210mm / 8¼”

KN 461.10 // 10 mm
210mm / 8¼”

KN 461.15 // 15 mm
210mm / 8¼”

KN 461.20 // 20 mm
210mm / 8¼”

KN 461.25 // 25mm
210mm / 8¼”

LAMBOTTE
KN 461.05 - KN 461.25



RD 531.16
160mm / 6½”

JOSEPH
RD 531.16



RN 521.04
155mm / 6”

McKENTY
RN 521.04



4 mm

KN 471.04
240mm / 9½”



6 mm

KN 471.06
240mm / 9½”



8 mm

KN 471.08
240mm / 9½”



COBB
KN 471.04 - KN 471.25



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 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 481.08
360mm / 14¼”

KN 482.08
450mm / 17¾”



KN 480.14
280mm / 11”

KN 481.14
360mm / 14¼”

KN 482.14
450mm / 17¾”



KN 480.20
280mm / 11”

KN 481.20
360mm / 14¼”

KN 482.20
450mm / 17¾”



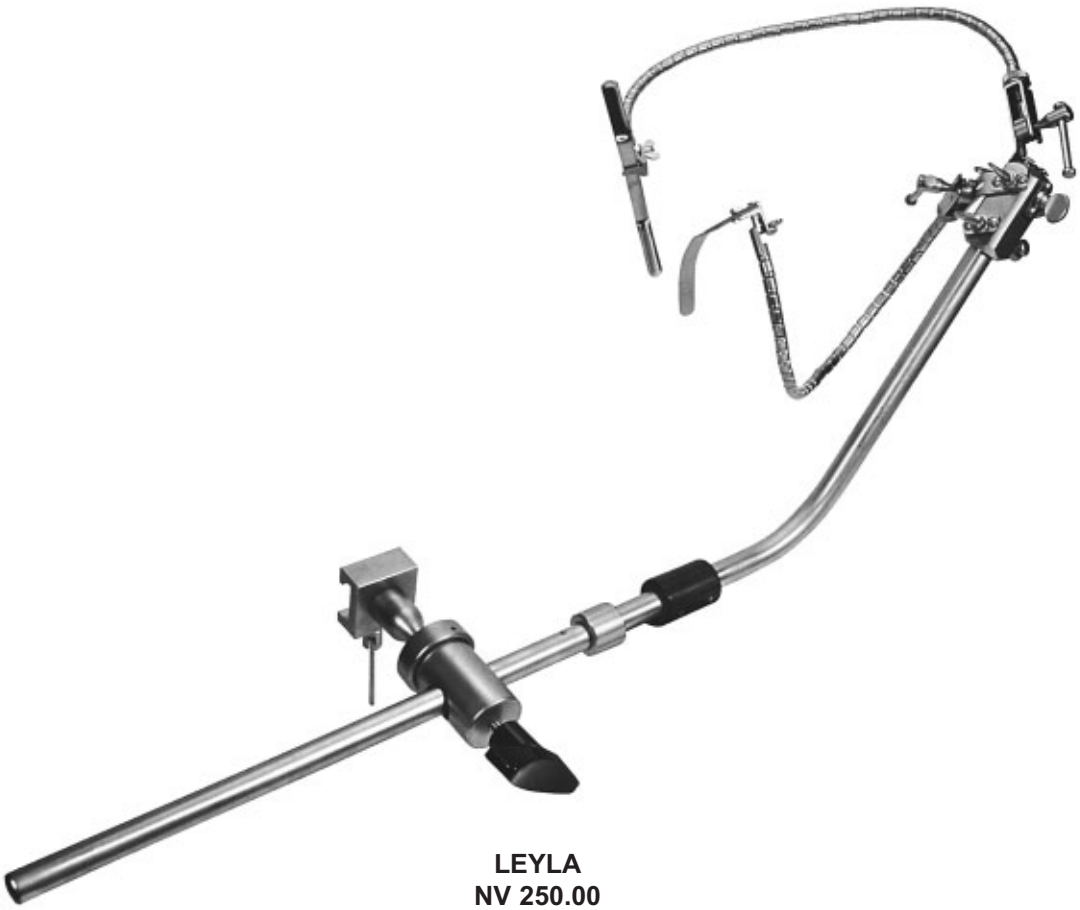
KOPF-SCHÄDEL INSTRUMENTE

HEAD-CRANIO INSTRUMENTS

CEATEC MEDIZINTECHNIK

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 NV 250.00:	NV 250.02	Kugelgelenkkloben *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 200mm / 8”	Hirnspatel, 9mm *Brain spatula, 9mm* Spatola cerebrale, 9mm *Espátula cerebro, 9mm*
	NQ 721.12 200mm / 8”	Hirnspatel, 12mm *Brain spatula, 12mm* Spatola cerebrale, 12mm *Espátula cerebro, 12mm*



LEYLA NV 250.02
Kugelgelenkkloben
Ball and socket joint
Giunto a sfera ad incastro
Articulación esférica



LEYLA NV 250.04
Haltearm, zerlegbar
Holding Rod, detachable
Porta asta, smontabile
Brazo de apoyo, desmontable



LEYLA 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



LEYLA NV 250.08
Kupplungskopf, drehbar
Coupling Head, turnable
Testa accoppiamento, giratorio
Acoplamiento, girable

LEYLA NV 250.09
Kupplungskopf, seitlich offen
Coupling Head, lateral open
Testa accoppiamento, laterale aperto
Acoplamiento, lateralmente abierto

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





YASARGIL
NV 251.01

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

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



YASARGIL	NV 251.02	Flexibler Spannarm, allein *Flexible arm, only* Braccio flessibile, solo *Brazo flexible, suelto*



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



NV 251.04

Fixiervorrichtung am Schädel für 1 felexiblen 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 felexible 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 felexiblen 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 spat. w.round shaft
Supporto p.spatola c.manico rotondo
Porta-espátula con vástago redondo



NV 251.12

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





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	biegsam *malleable* malleabile *maleable*
	NQ 702.11 180mm / 7"	11 + 13mm	
	NQ 702.15 180mm / 7"	15 + 18mm	
	NQ 702.18 180mm / 7"	18 + 22mm	



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

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

OLIVECRONA	NQ 704.07 180mm / 7"	7 + 9mm	biegsam, konkav *malleable, convex* malleabile, convessa *maleable, convexa*
	NQ 704.11 180mm / 7"	11 + 13mm	
	NQ 704.15 180mm / 7"	15 + 18mm	
	NQ 704.18 180mm / 7"	18 + 22mm	





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

AACHEN	NQ 720.07 200mm / 8”	7 + 8mm	biegsam *malleable* malleabile *maleable*
	NQ 720.10 200mm / 8”	10 + 11mm	
	NQ 720.13 200mm / 8”	13 + 14mm	
	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 *serrated, malleable* zigrinato, malleabile *estrías, maleable*
	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	
MEMORY	NQ 724.14 200mm / 8”	14mm	biegsam *malleable* malleabile *maleable*
	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.*



DAHLGREN
NL 654.21
210mm / 8¼”

DAHLGREN	NL 654.21 210mm / 8¼”	Schädelstanze, mit 2 Reserveblättern *Cranial Punch Rongeur, with 2 spare blades* Pinza per cranio, con 2 gancio *Pinza saca-bocados craneal, con 2 gancho*



DE VILBISS
NL 658.21
210mm / 8¼”

DE VILBISS	NL 658.21 210mm / 8¼”	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-bocados cr., con 1 ganc. peq. y grande*



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*



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



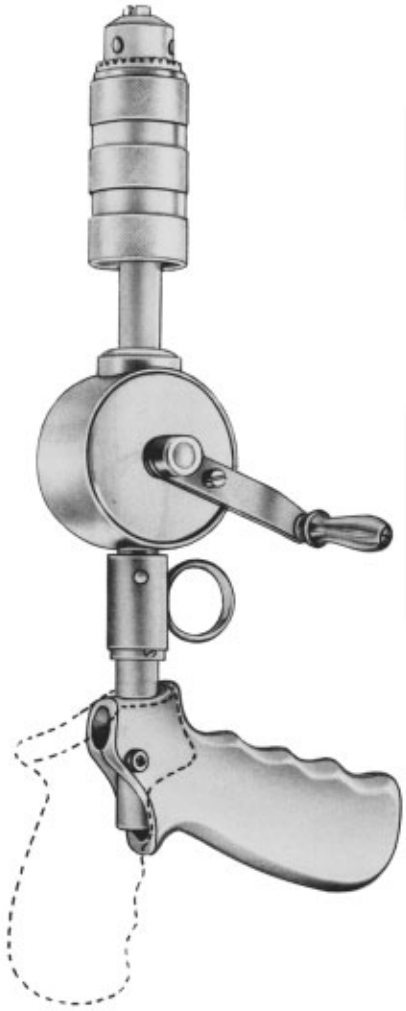
MOORE **KO 156.00**

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





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

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

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 sega di fili *Mango c. gancho para sierras de* hilo



DE MARTEL	NV 618.33	330mm / 13”	Umführungsinstrument für Drahtsägen, flexibel *Conductor for wire saws, flexible* Guida per sega di fili, flessibile *Conductor para sierras de* hilo, flexible

LEBSCHE	NV 620.25	250mm / 10”	Umführungsinstrument für Drahtsägen, flexibel *Conductor for wire saws, flexible* Guida per sega di fili, flessibile *Conductor para sierras de* hilo, flexible

LEBSCHE
NV 620.25
250mm / 10”

DE MARTEL
NV 618.33
330mm / 13”



McKENZIE	NC 662.15 150mm / 6” NC 662.19 190mm / 7½”	

McKENZIE	NC 663.15 150mm / 6” NC 663.19 190mm / 7½”	



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

	NV 670.02 190x48x13mm	Klammerblock mit 2 Klam.bügel *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” NC 670.20 200mm / 8”	Klammer-Anlegezangen *Clip applying forceps* Pinza per applicare *Pinza para aplicar clips*



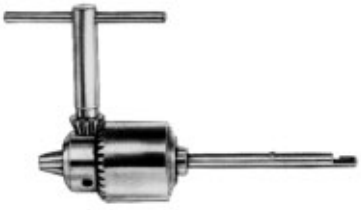
KÖLNER	NC 674.00	Kopfhautklammer (50 Stück) *Hemostasis Clips (50 pieces)* Agrafes per il cranio (50 pezzi) *Grapas para cefálico (50 pieze)*



RANEY	NC 675.00	Kopfhautklammer (50 Stück) *Hemostasis Clips (50 pieces)* Agrafes per il cranio (50 pezzi) *Grapas para cefálico (50 pieze)*



RANEY	NC 676.00 160mm / 6¼"	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 cervical traction tongs* Alesatore per pinze di trazione craniale di Crutchfield *Perforad. iniciales p. pinzas de tracción craneal seg Crutchfield*
	KO 641.04 70mm // Ø3,5mm	
	KO 641.05 70mm // Ø5,0mm	



CRUTCH-FIELD	KO 641.01	Schädelhalter für Kinder *Skull traction tongs for children* Pinze p.trazi.craniale per bambini *Tractor cranial para niños*



CRUTCH-FIELD	KO 641.02	Schädelhalter, mittlere Größe *Skull traction tongs, medium size* Pinze p.trazi.craniale, medio *Tractor cranial, mediano*



CRUTCH-FIELD	KO 645.01	Schädelhalter, großes Modell *Skull traction tongs, large type* Pinze p.trazi.craniale, modello grande *Tractor cranial, grande modelo*
	KO 645.02	Gabelschlüssel für Schädelhalter *Wrench for skull traction tongs* Chiave a forcel. p.pinze p.trazi.craniale *Llave de boca fija para tractor cranial*
	KO 645.03	Ersatzdorn für Schädelhalter *Spare pin for skull traction tongs* Mandrino di ricam.p.pinze p.trazi.crania. *Mandril sustituta para tractor cranial*





YASARGIL
ND 678.02
410mm / 16”

YASARGIL	ND 678.01 310mm / 12¼”	
	ND 678.02 410mm / 16”	



NV 500.01
100mm / 4”

Griff alleine
Handle single
Manico solo
Mango solo



NV 500.02
100mm / 4”

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



NV 550.18
210x180mm

NV 550.23
210x230mm



NA 582.16
160mm / 6¼”

	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 **4mm** NA 585.16	NA 584.21 NA 585.21	Tellermesser 45° *Disc knife 45°* 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 **5mm** NA 588.16		Polytom Messer *Polytom knife* Coltello Polytom *Cuchillo Polytom*
	**4,5mm** NA 589.16		Polytom Messer *Polytom knife* Coltello Polytom *Cuchillo Polytom*
	**1mm** ND 530.01 **2mm** ND 530.02 **3mm** ND 530.03	ND 540.01 ND 540.02 ND 540.03	Dissektor gebogen, scharf *Dissector curved, sharp* Dissettore curva, actua *Disecador curva, aguda*
	**1mm** ND 531.01 **1,5mm** ND 531.15 **2mm** ND 531.02 **3mm** ND 531.03 **4mm** ND 531.04	ND 541.01 ND 541.15 ND 541.02 ND 541.03 ND 541.04	Dissektor gebogen, stumpf *Dissector curved, blunt* Dissettore curva, smusso *Disecador curva, roma*



















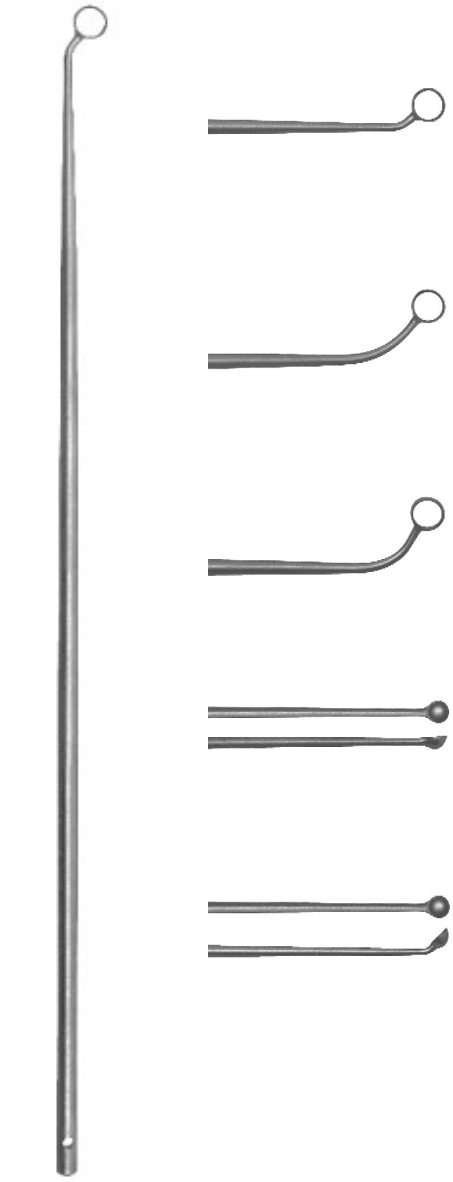


ND 534.04
160mm / 6¼”

	160mm / 6¼”	210mm / 8¼”	
4mm	ND 532.04	ND 542.04	Dissektor gerade, stumpf *Dissector straight, blunt* Dissettore retta, smusso *Disecador recta, roma*
2mm	ND 534.02		Tellerdissektor 45°, stumpf *Disc dissector 45°, blunt* Disset. a form.piatto 45°,smusso *Disecador e.form.plato 45°,roma*
4mm	ND 534.04		
1x2mm	ND 550.02	ND 560.02	Nervhaken 45° *Nerv Hook 45°* Uncino per nervi 45° *Gancho para nervios 45°*
1x3mm	ND 550.03	ND 560.03	
1x4mm	ND 550.04	ND 560.04	
1x2mm	ND 551.02	ND 561.02	Nervhaken 90° *Nerv Hook 90°* Uncino per nervi 90° *Gancho para nervios 90°*
1x3mm	ND 551.03	ND 561.03	
1x4mm	ND 551.04	ND 561.04	
1x5mm	ND 551.05	ND 561.05	
1x8mm	ND 551.08	ND 561.08	
0,4x2mm	ND 552.02	ND 562.02	Nervhaken 90° *Nerv Hook 90°* Uncino per nervi 90° *Gancho para nervios 90°*
0,4x3mm	ND 552.03	ND 562.03	
1x3mm	ND 554.03	ND 564.03	Nervhaken 90° *Nerv Hook 90°* Uncino per nervi 90° *Gancho para nervios 90°*
1x5mm	ND 554.05	ND 564.05	
1x8mm	ND 554.08	ND 564.08	
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 Estilete abotonado



	160mm / 6¼”	210mm / 8¼”	
2mm	NK 510.02	NK 520.02	Ringkürette 90° Ring curette 90° Curetta d’anella 90° Cureta d’anilla 90°
4mm	NK 510.04	NK 520.04	
6mm	NK 510.06	NK 520.06	
2mm	NK 511.02	NK 521.02	Ringkürette 45° Ring curette 45° Curetta d’anella 45° Cureta d’anilla 45°
4mm	NK 511.04	NK 521.04	
6mm	NK 511.06	NK 521.06	
2mm	NK 512.02	NK 522.02	Ringkürette 45° Ring curette 45° Curetta d’anella 45° Cureta d’anilla 45°
4mm	NK 512.04	NK 522.04	
6mm	NK 512.06	NK 521.06	
2mm	NK 513.02	NK 523.02	Ringkürette 45° Ring curette 45° Curetta d’anella 45° Cureta d’anilla 45°
4mm	NK 513.04	NK 523.04	
6mm	NK 513.06	NK 523.06	
2mm	NK 514.02	NK 524.02	Ringkürette 60° Ring curette 60° Curetta d’anella 60° Cureta d’anilla 60°
4mm	NK 514.04	NK 524.04	
6mm	NK 514.06	NK 524.06	
2mm	NK 517.02	NK 527.02	Kürette Curette Curetta Cureta
3mm	NK 517.03	NK 527.03	
4mm	NK 517.04	NK 527.04	
2mm	NK 518.02	NK 528.02	Kürette 45° Curette 45° Curetta 45° Cureta 45°
3mm	NK 518.03	NK 528.03	
4mm	NK 518.04	NK 528.04	



NK 512.04
160mm / 6¼”



Aneurysmen clip system

Aneurysm clip system

CEATEC MEDIZINTECHNIK

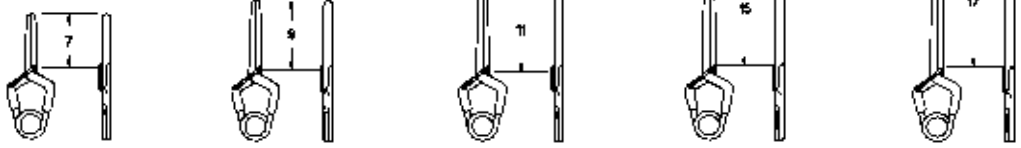
Clip per aneurisma

Clip para aneurisma

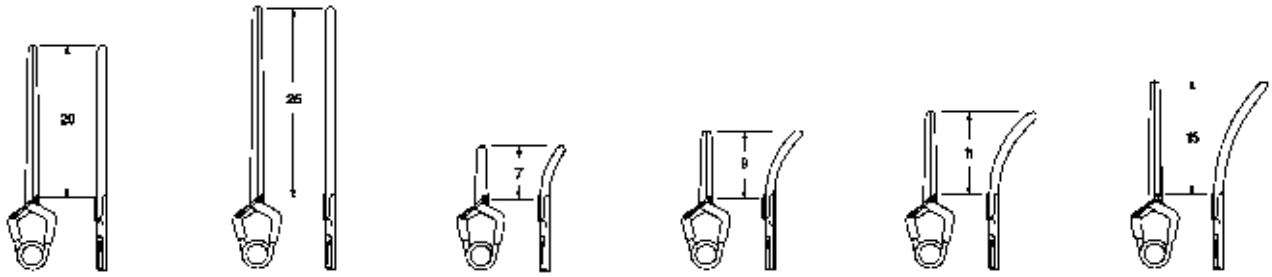
Materialien und Farbcodierung
Materials and Colour Coding
Materiale ed identificazione sec. colore
Material y identificatión de color

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

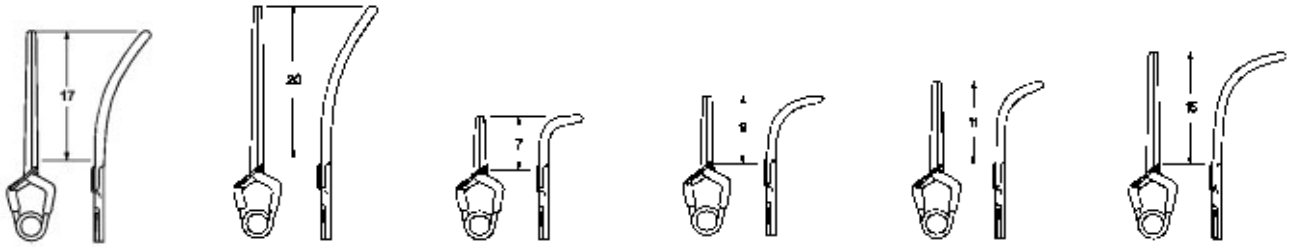
	permanent / *permanent* permanente / *permanente*	temporär / temporary temporaneamente / *temporal*
Titan / *Titanium* Titanio / *Titanio* **STANDARD**		
Farbliche Kennzeichnung *Colour Coding* Identificazione sec. colore *Identificatión de color*	blau / *blue* blu / *azul*	gold / *gold* oro / *oro*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



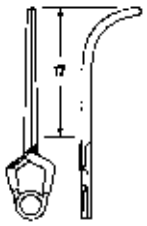
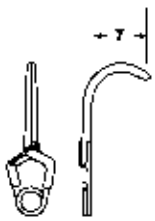
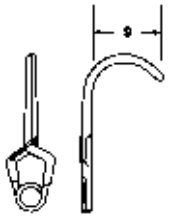
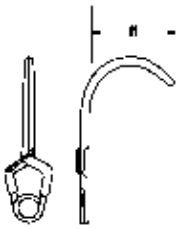
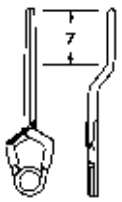
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Phynox / *Phynox* Phynox / *Phynox*	NC 657.40	NC 657.50	NC 657.60	NC 657.80	NC 657.92
Öffnung / *Opening* Apertura / *Apertura*	6,2mm	7mm	7,8mm	9,2mm	10,6mm
Druck / *Force* Pressione / Presión	150gms	180gms	180gms	200gms	200gms



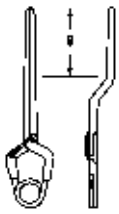
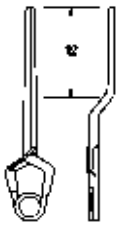
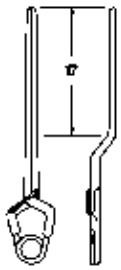
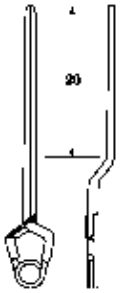
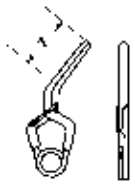
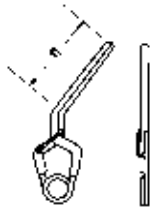
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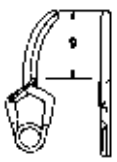
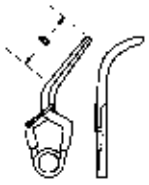
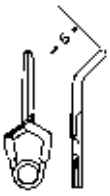
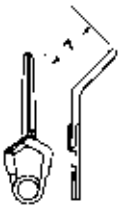
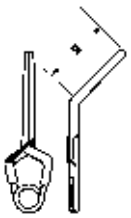
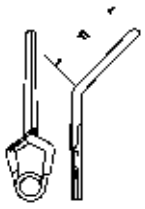
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NC 657.86	NC 658.95	NC 657.44	NC 657.54	NC 657.64	NC 657.84
10mm	11mm	5,5mm	6,1mm	6,5mm	7,4mm
180gms	200gms	150gms	180gms	180gms	200gms

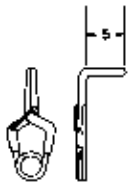
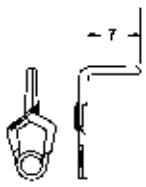
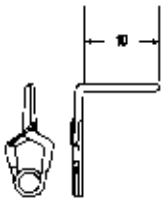
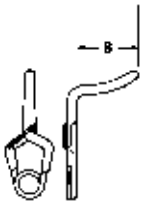
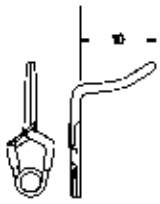
Titan / *Titanium* Titanio / *Titanio*	NC 658.96 T	NC 658.23 T	NC 658.24 T	NC 658.25 T	NC 657.48 T
Phynox / *Phynox* Phynox / *Phynox*	NC 658.96	NC 658.23	NC 658.24	NC 658.25	NC 657.48
Öffnung / *Opening* Apertura / *Apertura*	9,9mm	5,4mm	5,8mm	6,2mm	7,9mm
Druck / *Force* Pressione / Presión	200gms	180gms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

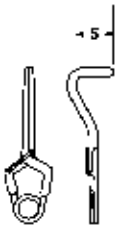
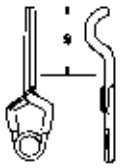
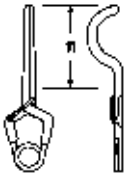
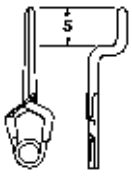
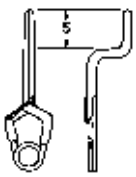
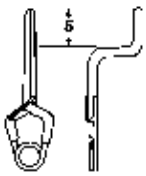
NC 657.58 T	NC 657.59 T	NC 657.97 T	NC 657.98 T	NC 657.46 T	NC 657.61 T
NC 657.58	NC 657.59	NC 657.97	NC 657.98	NC 657.46	NC 657.61
8,7mm	10,2mm	11,9mm	13mm	5,7mm	8mm
200gms	200gms	180gms	180gms	200gms	200gms

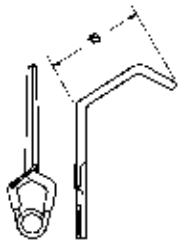
NC 657.47 T	NC 657.73 T	NC 656.03 T	NC 656.13 T	NC 656.23 T	NC 657.63 T
NC 657.47	NC 657.73	NC 656.03	NC 656.13	NC 656.23	NC 657.63
6,2mm	6,5mm	6,2mm	6,5mm	7,8mm	8,4mm
200gms	180gms	200gms	200gms	200gms	200gms

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

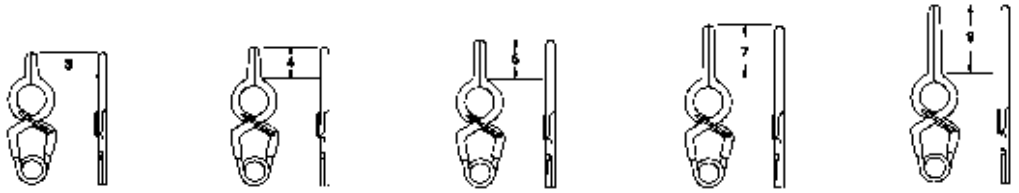







NC 658.30 T	NC 658.32 T	NC 658.33 T	NC 657.70 T	NC 657.71 T	NC 657.72 T
NC 658.30	NC 658.32	NC 658.33	NC 657.70	NC 657.71	NC 657.72
7,2mm	7,2mm	8,2mm	8mm	8mm	8mm
200gms	200gms	200gms	200gms	200gms	200gms

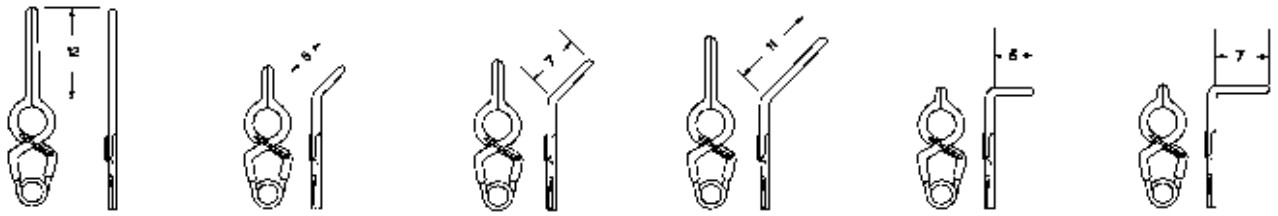


NC 658.97 T					
NC 658.97					
7,5mm					
200gms					

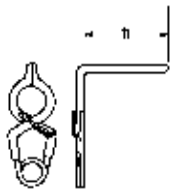




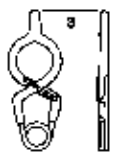
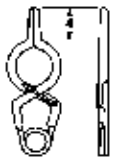
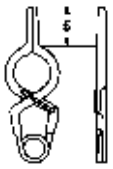
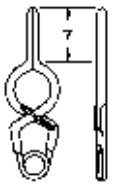
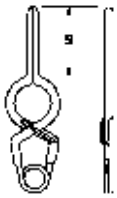
Titan / *Titanium* Titanio / *Titanio*	NC 655.97 T	NC 655.98 T	NC 655.99 T	NC 656.00 T	NC 656.10 T
Phynox / *Phynox* Phynox / *Phynox*	NC 655.97	NC 655.98	NC 655.99	NC 656.00	NC 656.10
Öffnung / *Opening* Apertura / *Apertura*	7,4mm	7,4mm	7,4mm	7,4mm	8,4mm
Druck / *Force* Pressione / Presión	150gms	150gms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



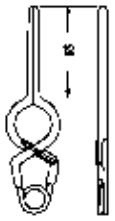
NC 656.20 T	NC 656.02 T	NC 656.12 T	NC 656.22 T	NC 656.04 T	NC 656.14 T
NC 656.20	NC 656.02	NC 656.12	NC 656.22	NC 656.04	NC 656.14
9,6mm	5,8mm	6,5mm	7,2mm	4,9mm	4,9mm
180gms	150gms	150gms	180gms	150gms	150gms

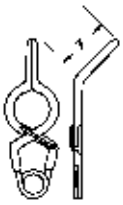
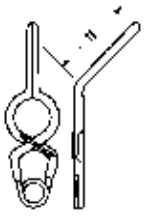
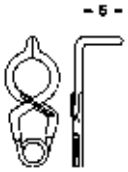
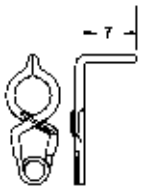


NC 656.24 T					
NC 656.24					
4,9mm					
180gms					

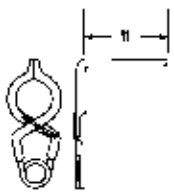
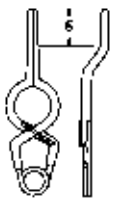
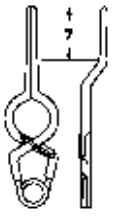
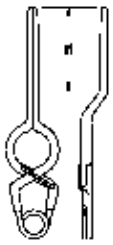






Titan / *Titanium* Titanio / *Titanio*	NC 656.37 T	NC 656.38 T	NC 656.39 T	NC 656.40 T	NC 656.50 T
Phynox / *Phynox* Phynox / *Phynox*	NC 656.37	NC 656.38	NC 656-39	NC 656.40	NC 656.50
Öffnung / *Opening* Apertura / *Apertura*	7,4mm	7,4mm	7,4mm	7,9mm	9,1mm
Druck / *Force* Pressione / Presión	150gms	150gms	150gms	150gms	150gms

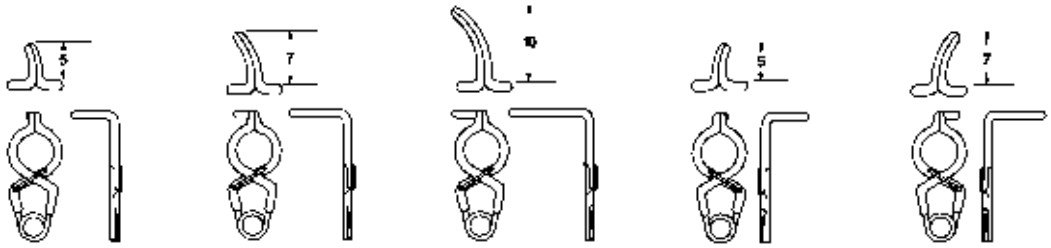


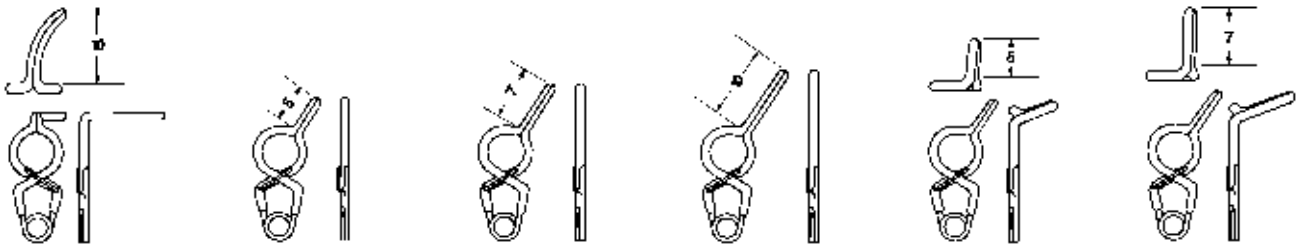
NC 656.60 T	NC 656.42 T	NC 656.52 T	NC 656.62 T	NC 656.44 T	NC 656.54 T
NC 656.60	NC 656.42	NC 656.52	NC 656.62	NC 656.44	NC 656.54
10,3mm	6,5mm	7,2mm	7,8mm	5,5mm	5,5mm
180gms	150gms	150gms	180gms	150gms	150gms

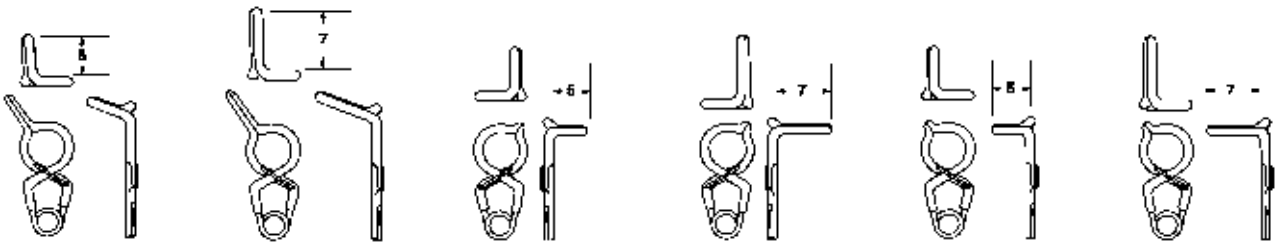
NC 656.64 T	NC 656.48 T	NC 656.58 T	NC 656.68 T		
NC 656.64	NC 656.48	NC 656.58	NC 656.68		
5,5mm	7,9mm	8,8mm	10mm		
180gms	150gms	150gms	180gms		



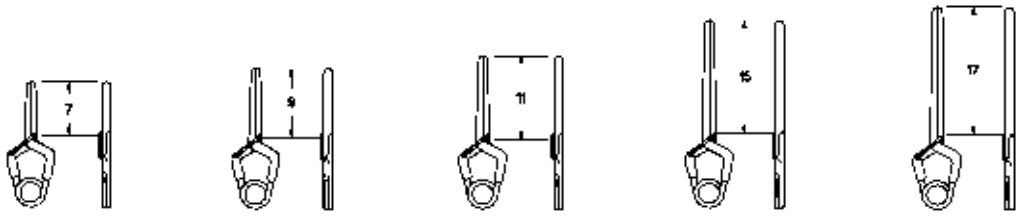
Titan / *Titanium* Titanio / *Titanio*	NC 657.74 T	NC 657.75 T	NC 657.76 T	NC 657.77 T	NC 657.78 T
Phynox / *Phynox* Phynox / *Phynox*	NC 657.74	NC 657.75	NC 657.76	NC 657.77	NC 657.78
Öffnung / *Opening* Apertura / *Apertura*	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm
Druck / *Force* Pressione / Presión	150gms	150gms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



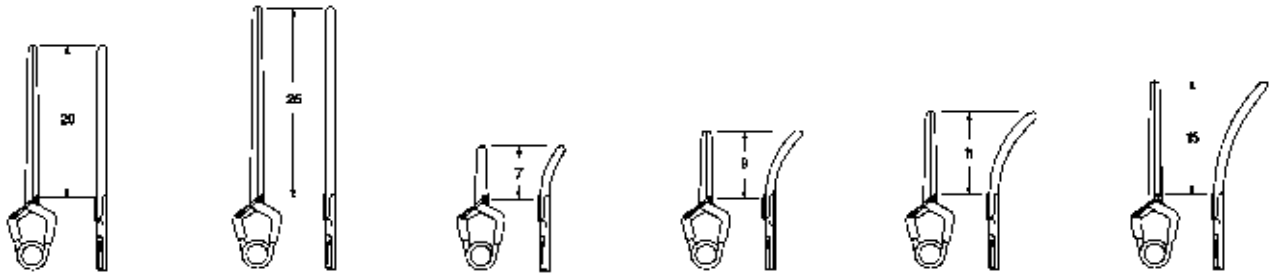
NC 657.79 T	NC 658.81 T	NC 658.82 T	NC 658.83 T	NC 658.86 T	NC 658.87 T
NC 657.79	NC 658.81	NC 658.82	NC 658.83	NC 658.86	NC 658.87
5,8mm	7mm	7,8mm	8,8mm	5,8mm	6,2mm
150gms	150gms	150gms	150gms	150gms	150gms



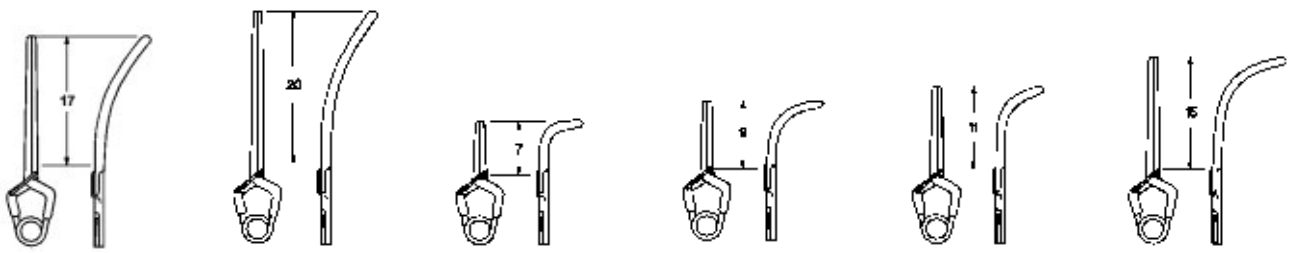
NC 658.88 T	NC 658.89 T	NC 658.91 T	NC 658.92 T	NC 658.93 T	NC 658.94 T
NC 658.88	NC 658.89	NC 658.91	NC 658.92	NC 658.93	NC 658.94
5,8mm	6,2mm	5,6mm	5,6mm	5,6mm	5,6mm
150gms	150gms	150gms	150gms	150gms	150gms



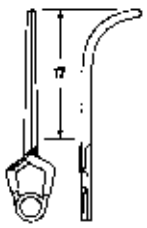
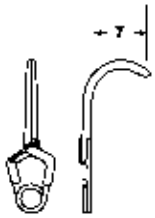
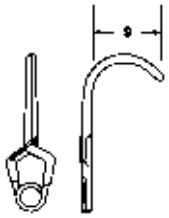
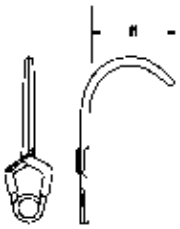
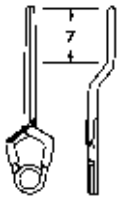
Titan / *Titanium* Titanio / *Titanio*	NC 652.40 T	NC 652.50 T	NC 652.60 T	NC 652.80 T	NC 652.92 T
Phynox / *Phynox* Phynox / *Phynox*	NC 652.40	NC 652.50	NC 652.60	NC 652.80	NC 652.92
Öffnung / *Opening* Apertura / *Apertura*	6,2mm	7mm	7,8mm	9,2mm	10,6mm
Druck / *Force* Pressione / Presión	110gms	90gms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



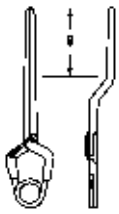
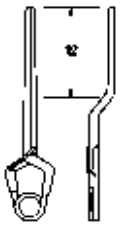
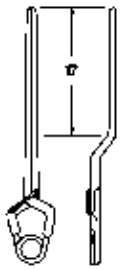
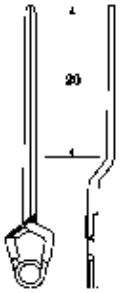
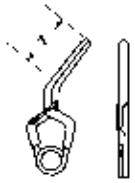
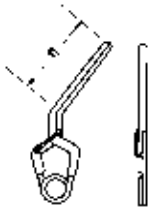
NC 652.90 T	NC 653.40 T	NC 652.42 T	NC 652.52 T	NC 652.62 T	NC 652.82 T
NC 652.90	NC 653.40	NC 652.42	NC 652.52	NC 652.62	NC 652.82
11,4mm	13,3mm	6mm	6,8mm	7,5mm	8,7mm
110gms	110gms	110gms	90gms	90gms	110gms



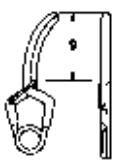
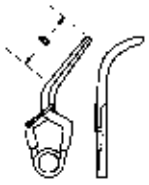
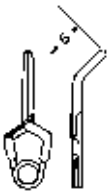
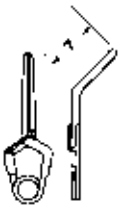
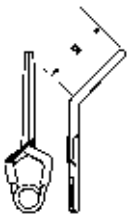
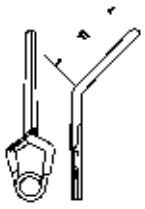
NC 652.86 T	NC 653.95 T	NC 652.44 T	NC 652.54 T	NC 652.64 T	NC 652.84 T
NC 652.86	NC 653.95	NC 652.44	NC 652.54	NC 652.64	NC 652.84
10mm	11mm	5,5mm	6,1mm	6,5mm	7,4mm
110gms	90gms	110gms	110gms	110gms	110gms

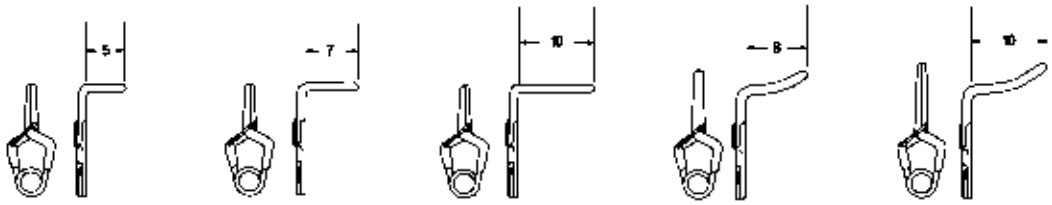
Titan / *Titanium* Titanio / *Titanio*	NC 653.96 T	NC 653.23 T	NC 653.24 T	NC 653.25 T	NC 652.48 T
Phynox / *Phynox* Phynox / *Phynox*	NC 653.96	NC 653.23	NC 653.24	NC 653.25	NC 652.48
Öffnung / *Opening* Apertura / *Apertura*	9,9mm	5,4mm	5,8mm	6,2mm	7,9mm
Druck / *Force* Pressione / Presión	90gms	110gms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

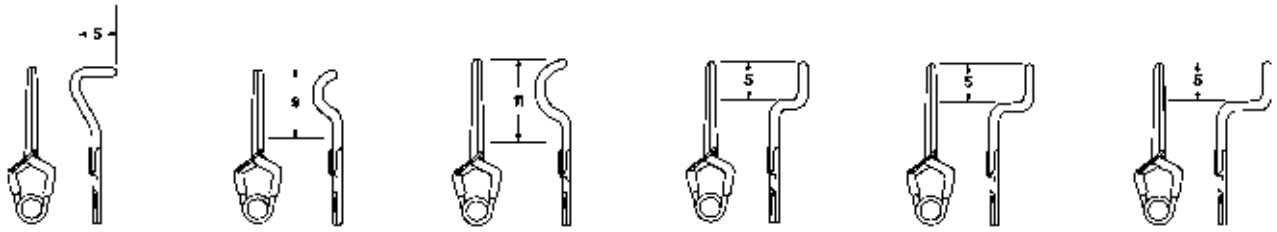
NC 652.58 T	NC 652.59 T	NC 652.97 T	NC 652.98 T	NC 652.46 T	NC 652.61 T
NC 652.58	NC 652.59	NC 652.97	NC 652.98	NC 652.46	NC 652.61
8,7mm	10,2mm	11,9mm	13mm	5,7mm	8mm
90gms	90gms	90gms	90gms	90gms	90gms

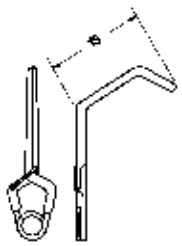
NC 652.47 T	NC 652.73 T	NC 651.03 T	NC 651.13 T	NC 651.23 T	NC 652.63 T
NC 652.47	NC 652.73	NC 65.103	NC 651.13	NC 651.23	NC 652.63
6,2mm	6,5mm	6,2mm	6,5mm	7,8mm	8,4mm
90gms	90gms	110gms	110gms	110gms	110gms



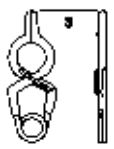
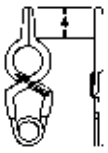
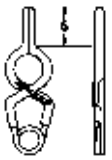
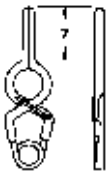
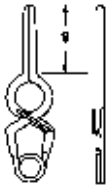
Titan / *Titanium* Titanio / *Titanio*	NC 653.19 T	NC 653.20 T	NC 653.22 T	NC 653.50 T	NC 653.51 T
Phynox / *Phynox* Phynox / *Phynox*	NC 653.19	NC 653.20	NC 653.22	NC 653.50	NC 653.51
Öffnung / *Opening* Apertura / *Apertura*	5,6mm	5,6mm	5,6mm	5,4mm	5,6mm
Druck / *Force* Pressione / Presión	130gms	130gms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



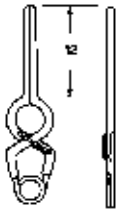
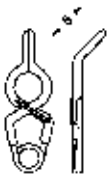
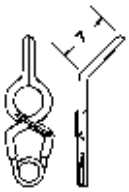
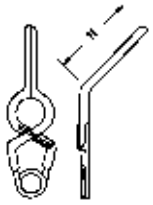
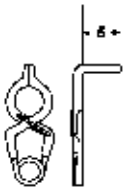
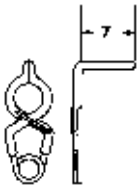
NC 653.30 T	NC 653.32 T	NC 653.33 T	NC 652.70 T	NC 652.71 T	NC 652.72 T
NC 653.30	NC 653.32	NC 653.33	NC 652.70	NC 652.71	NC 652.72
7,2mm	7,2mm	8,2mm	8mm	8mm	8mm
90gms	90gms	90gms	90gms	90gms	90gms



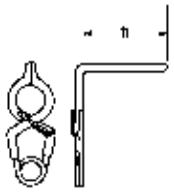
NC 653.97 T					
NC 653.97					
7,5mm					
90gms					

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

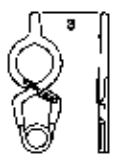
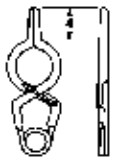
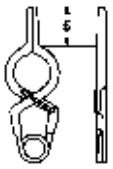
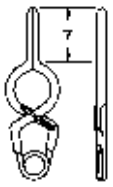
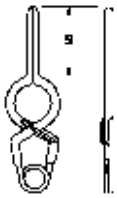







NC 651.20 T	NC 651.02 T	NC 651.12 T	NC 651.22 T	NC 651.04 T	NC 651.14 T
NC 651.20	NC 651.02	NC 651.12	NC 651.22	NC 651.04	NC 651.14
9,6mm	5,8mm	6,5mm	7,2mm	4,9mm	4,9mm
90gms	110gms	110gms	110gms	110gms	110gms

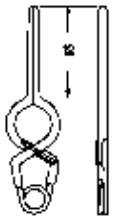


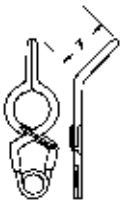
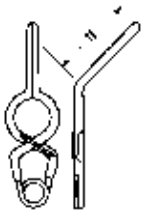
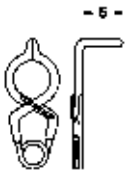
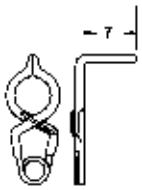
NC 651.24 T					
NC 651.24					
4,9mm					
110gms					

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

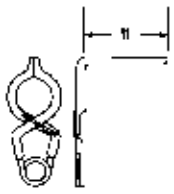
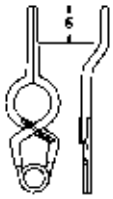
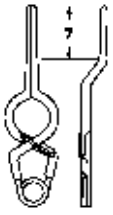
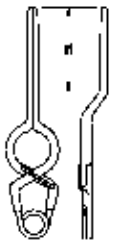






Titan / *Titanium* Titanio / *Titanio*	NC 651.37 T	NC 651.38 T	NC 651.39 T	NC 651.40 T	NC 651.50 T
Phynox / *Phynox* Phynox / *Phynox*	NC 651.37	NC 651.38	NC 651.39	NC 651.40	NC 651.50
Öffnung / *Opening* Apertura / *Apertura*	7,4mm	7,4mm	7,4mm	7,9mm	9,1mm
Druck / *Force* Pressione / Presión	110gms	110gms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



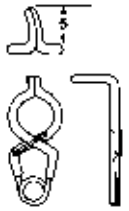
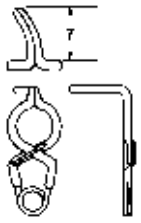
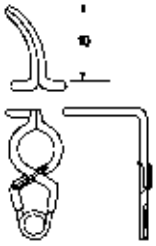
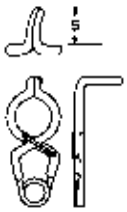
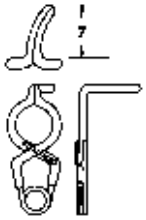





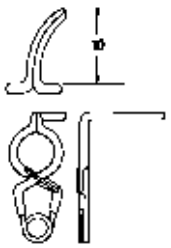
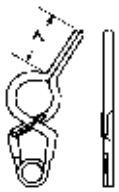
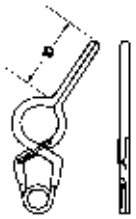
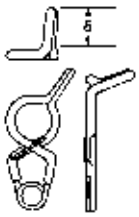
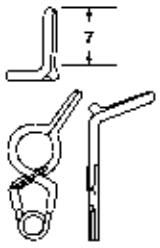
NC 651.60 T	NC 651.42 T	NC 651.52 T	NC 651.62 T	NC 651.44 T	NC 651.54 T
NC 651.60	NC 651.42	NC 651.52	NC 651.62	NC 651.44	NC 651.54
10,3mm	6,5mm	7,2mm	7,8mm	5,5mm	5,5mm
90gms	110gms	110gms	110gms	110gms	110gms

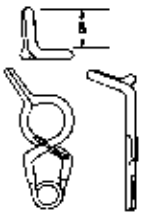
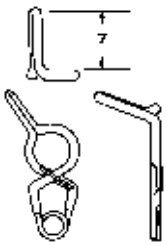
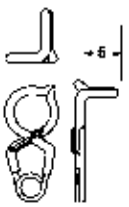
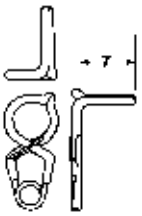
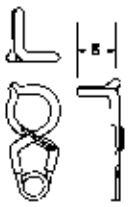
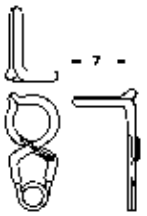





NC 651.64 T	NC 651.48 T	NC 651.58 T	NC 651.68 T		
NC 651.64	NC 651.48	NC 651.58	NC 651.68		
5,5mm	7,9mm	8,8mm	10mm		
90gms	90gms	90gms	90gms		

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

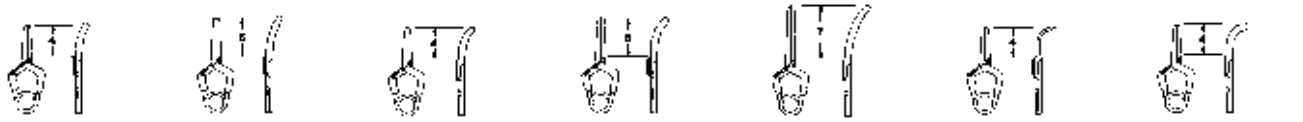
					
Titan / *Titanium* Titanio / *Titanio*	NC 652.74 T	NC 652.75 T	NC 652.76 T	NC 652.77 T	NC 652.78 T
Phynox / *Phynox* Phynox / *Phynox*	NC 652.74	NC 652.75	NC 652.76	NC 652.77	NC 652.78
Öffnung / *Opening* Apertura / *Apertura*	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm
Druck / *Force* Pressione / Presión	110gms	110gms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

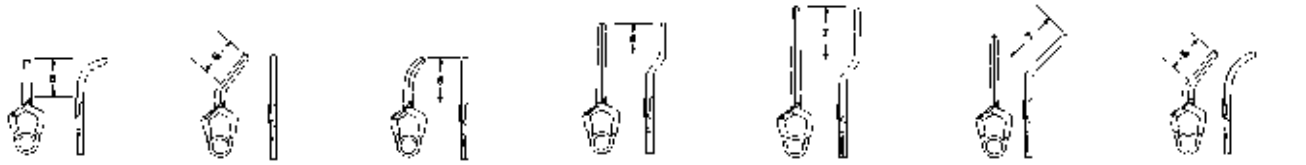
					
NC 653.88 T	NC 653.89 T	NC 653.91 T	NC 653.92 T	NC 653.93 T	NC 653.94 T
NC 653.88	NC 653.89	NC 653.91	NC 653.92	NC 653.93	NC 653.94
5,8mm	6,2mm	5,6mm	5,6mm	5,6mm	5,6mm
110gms	110gms	110gms	110gms	110gms	110gms



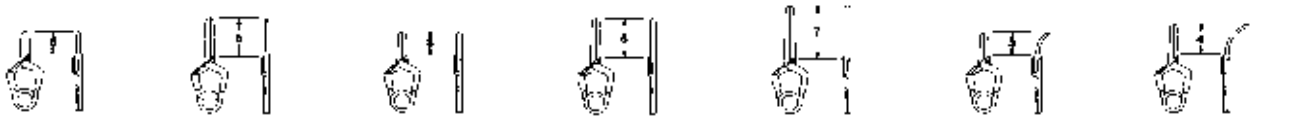
NC 656.80 T	NC 656.90 T	NC 657.00 T	NC 657.10 T	NC 657.20 T	NC 656.82 T	NC 656.92 T
NC 656.80	NC 656.90	NC 657.00	NC 657.10	NC 657.20	NC 656.82	NC 656.92
3,3mm	4mm	3,3mm	4mm	4,6mm	3,2mm	3,8mm
110gms	110gms	110gms	110gms	110gms	110gms	110gms



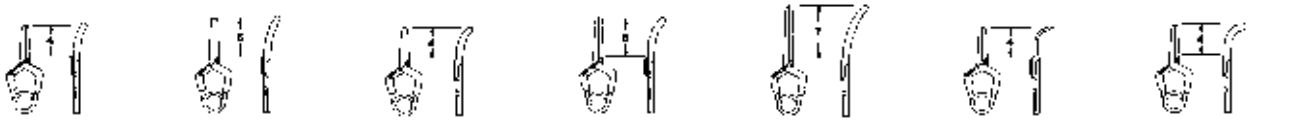
NC 657.11 T	NC 657.12 T	NC 657.13 T	NC 657.26 T	NC 657.22 T	NC 656.94 T	NC 657.14 T
NC 657.11	NC 657.12	NC 657.13	NC 657.26	NC 657.22	NC 656.94	NC 657.14
3,6mm	3,8mm	3,6mm	4mm	4,4mm	3,6mm	3,5mm
110gms	110gms	110gms	110gms	110gms	110gms	110gms



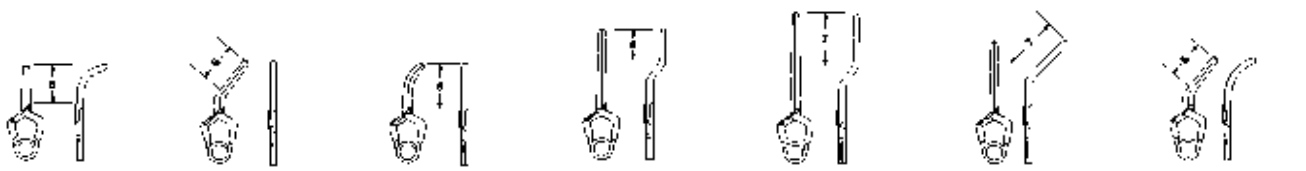
NC 657.24 T	NC 657.16 T	NC 657.17 T	NC 657.27 T	NC 657.28 T	NC 658.06 T	NC 658.07 T
NC 657.24	NC 657.16	NC 657.17	NC 657.27	NC 657.28	NC 658.06	NC 658.07
4mm	3,5mm	6mm	7mm	5,7mm	4,5mm	4mm
110gms	130gms	130gms	130gms	130gms	130gms	130gms



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

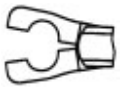


NC 652.24 T	NC 652.16 T	NC 652.17 T	NC 652.27 T	NC 652.28 T	NC 653.06 T	NC 653.07 T
NC 6..224	NC 652.16	NC 652.17	NC 652.27	NC 652.28	NC 653.06	NC 653.07
4mm	3,5mm	6mm	7mm	5,7mm	4,5mm	4mm
70gms	70gms	70gms	70gms	70gms	70gms	70gms

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



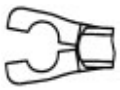
NC 655.58
180mm / 7”



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*

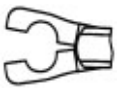


YASARGIL MINI	NC 655.49 180mm / 7”	Maul drehbar *Mouth rotating* Morso girabile *Boca giratoria*



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

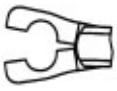


YASARGIL
STANDARD



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

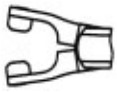
Maul drehbar und abwinkelbar
Mouth rotating, can be swiveled out
Morso girabile e angolabile
Boca giratoria y angulable



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 girable



YASARGIL
MINI



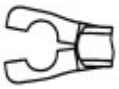
NC 610.09
210mm / 8¼”
NC 610.11
230mm / 9”

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



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 / 8¼”
NC 620.04 T
230mm / 9”

Maul starr
Mouth fixed
Morso rigido
Boca rígida



YASARGIL STANDARD

NC 620.03 T
210mm / 8¼”
NC 620.05 T
230mm / 9”

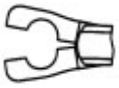
Maul drehbar
Mouth rotating
Morso girabile
Boca giratoria



YASARGIL STANDARD

NC 620.09 T
210mm / 8¼”
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 / 8¼”
NC 610.04 T
230mm / 9”

Maul starr
Mouth fixed
Morso rigido
Boca rígida



YASARGIL MINI

NC 610.03 T
210mm / 8¼”
NC 610.05 T
230mm / 9”

Maul drehbar
Mouth rotating
Morso girabile
Boca giratoria



YASARGIL MINI

NC 610.09 T
210mm / 8¼”
NC 610.11 T
230mm / 9”

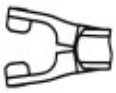
Maul drehbar und abwinkelbar
Mouth rotating, can be swiveled out
Morso girabile e angolabile
Boca giratoria y angulable

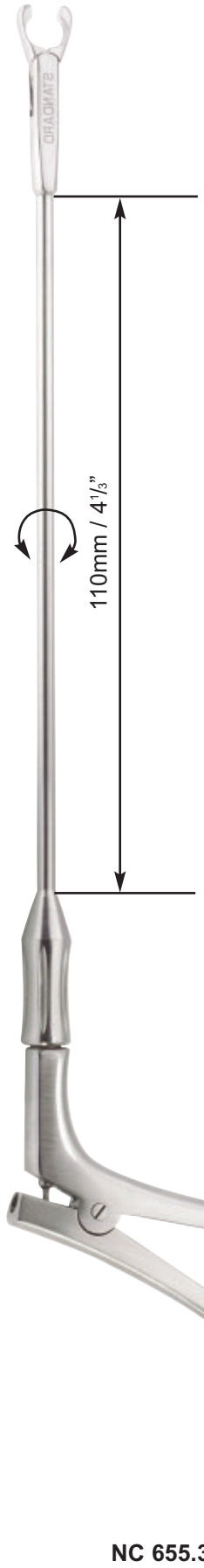


NC 682.71
70mm / 2¾”

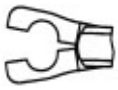
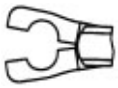
Für Phynox Aneurysmen Clips
For Phynox Aneurysm Clips
Per Phynox Aneurisma Clip
Para Phynox Aneurisma Clip

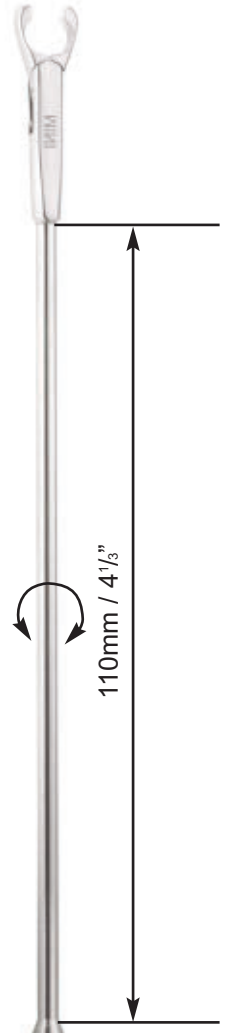
Für Titan Aneurysmen Clips
For Titanium Aneurysm Clips
Per Titanio Aneurisma Clip
Para Titanio Aneurisma Clip

	**YASARGIL STANDARD** 	NC 682.71 70mm / 2¾” NC 682.91 90mm / 3½” NC 682.11 110mm / 4⅓”	Maul drehbar *Mouth rotating* Morso girabile *Boca giratoria*
	**YASARGIL STANDARD** 	NC 682.71 T 70mm / 2¾” NC 682.91 T 90mm / 3½” NC 682.11 T 110mm / 4⅓”	Maul Titan und drehbar *Mouth Titanium and rotating* Morso Titanio e girabile *Boca* Titanio y *giratoria*
	**YASARGIL MINI** 	NC 672.71 70mm / 2¾” NC 672.91 90mm / 3½” NC 672.11 110mm / 4⅓”	Maul drehbar *Mouth rotating* Morso girabile *Boca giratoria*
	**YASARGIL MINI** 	NC 672.71 T 70mm / 2¾” NC 672.91 T 90mm / 3½” NC 672.11 T 110mm / 4⅓”	Maul Titan und drehbar *Mouth Titanium and rotating* Morso Titanio e girabile *Boca* Titanio y *giratoria*

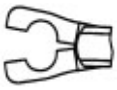
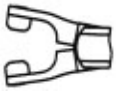
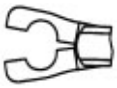


NC 655.30
110mm / 4⅓”

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 / 2¾” NC 655.29 90mm / 3½” NC 655.30 110mm / 4⅓” NC 655.34 130mm / 4⅓”	Maul starr *Mouth fixed* Morso rigido *Boca rígida*
	**YASARGIL STANDARD** 	NC 655.31 70mm / 2¾” NC 655.32 90mm / 3½” NC 655.33 110mm / 4⅓” NC 655.35 130mm / 4⅓”	Maul drehbar *Mouth rotating* Morso girabile *Boca giratoria*
	**YASARGIL STANDARD**	NC 655.28 T 70mm / 2¾” NC 655.29 T 90mm / 3½” NC 655.30 T 110mm / 4⅓” NC 655.34 T 130mm / 4⅓”	Maul Titan und starr *Mouth Titanium and fixed* Morso Titanio e rigido *Boca* Titanio y *rígida*
	**YASARGIL STANDARD** 	NC 655.31 T 70mm / 2¾” NC 655.32 T 90mm / 3½” NC 655.33 T 110mm / 4⅓” NC 655.35 T 130mm / 4⅓”	Maul Titan und drehbar *Mouth Titanium and rotating* Morso Titanio e girabile *Boca* Titanio y *giratoria*



NC 655.20
110mm / 4⅓”

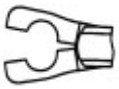
Für Phynox Aneurysmen Clips *For Phynox Aneurysm Clips* Per Phynox Aneurisma Clip *Para Phynox Aneurisma Clip*	Für Titan Aneurysmen Clips *For Titanium Aneurysm Clips* Per Titanio Aneurisma Clip *Para Titanio Aneurisma Clip*		
	**YASARGIL MINI**	NC 655.18 70mm / 2¾” NC 655.19 90mm / 3½” NC 655.20 110mm / 4⅓” NC 655.24 130mm / 4⅓”	Maul starr *Mouth fixed* Morso rigido *Boca rígida*
	**YASARGIL MINI** 	NC 655.21 70mm / 2¾” NC 655.22 90mm / 3½” NC 655.23 110mm / 4⅓” NC 655.25 130mm / 4⅓”	Maul drehbar *Mouth rotating* Morso girabile *Boca giratoria*
	**YASARGIL MINI**	NC 655.18 T 70mm / 2¾” NC 655.19 T 90mm / 3½” NC 655.20 T 110mm / 4⅓” NC 655.24 T 130mm / 4⅓”	Maul Titan und starr *Mouth Titanium and fixed* Morso Titanio e rigido *Boca* Titanio y *rígida*
	**YASARGIL MINI** 	NC 655.21 T 70mm / 2¾” NC 655.22 T 90mm / 3½” NC 655.23 T 110mm / 4⅓” NC 655.25 T 130mm / 4⅓”	Maul Titan und drehbar *Mouth Titanium and rotating* Morso Titanio e girabile *Boca* Titanio y *giratoria*

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



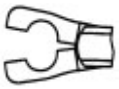
NC 650.82 T
210mm / 8¼”



YASARGIL STANDARD | NC 650.82 (210mm / 8¼”) | Maul starr, *Mouth fixed*, Morso rigido, *Boca rígida*



YASARGIL STANDARD | NC 650.82 T (210mm / 8¼”) | Maul starr, *Mouth fixed*, Morso rigido, *Boca rígida*



YASARGIL MINI | NC 650.72 (210mm / 8¼”) | Maul starr, *Mouth fixed*, Morso rigido, *Boca rígida*



YASARGIL MINI | NC 650.72 T (210mm / 8¼”) | Maul starr, *Mouth fixed*, Morso rigido, *Boca rígida*



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 magazzinaggio 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, esterlizable 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 magazzinaggio 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 magazzinaggio e sterilizzazione clips aneurisma, in acciaio inossidabile, con 42 divisori

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



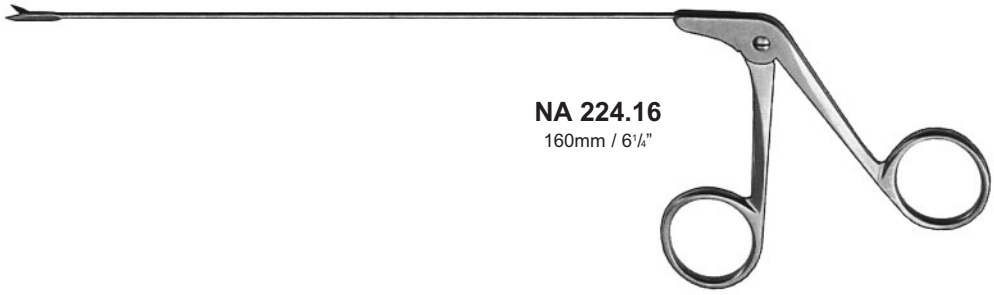
Hypophysektomie instrumente

Pituitary instruments

CEATEC MEDIZINTECHNIK

Strumenti per ipofisectomia

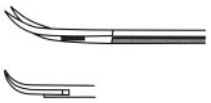
Instrumental para hipofisectomia



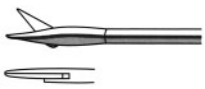
NA 224.16
160mm / 6¼”



FAHLBUSCH	NA 220.16 160mm / 6¼”	Mikro-Schere, gebogen, horizontal *Micro-Scissors, curved, horizontal* Micro-Forbice, curva, orizzontale *Micro-Tijera, curva, horizontal*



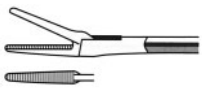
NICOLA	NA 222.11 110mm / 4¼”	Mikro-Schere, gebogen, horizontal *Micro-Scissors, curved, horizontal* Micro-Forbice, curva, orizzontale *Micro-Tijera, curva, horizontal*



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*



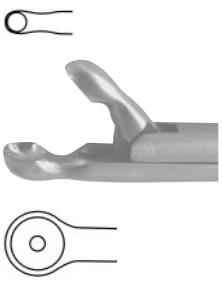
NL 996.88
180mm / 7”



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

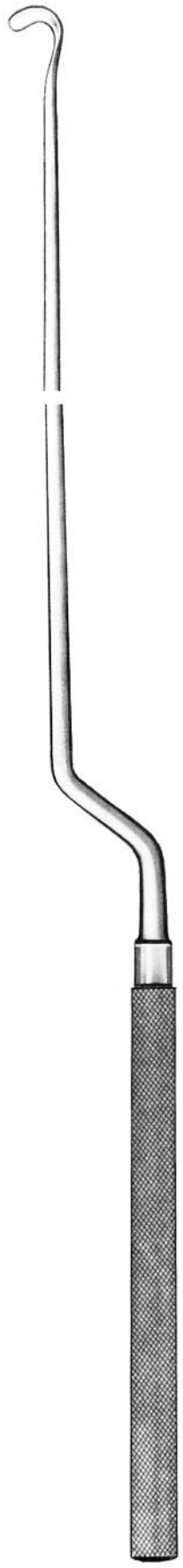


NL 996.93
180mm / 7”



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





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 / 10¼”



HOSOBUCHI	ND 934.02 260mm / 10¼”	Gabelspatel, fest *Fork Spatula, rigid* Spatula forme di Forchetta, rigida *Espatula en forma de horquilla, rígida*



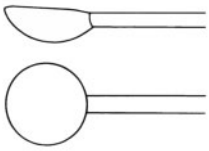
LANDOLT	ND 934.04 260mm / 10¼”	Stumpfes Häckchen, biegsam *Blunt Hook, malleable* Uncino smusso, malleabile *Gancho romo, maleable*



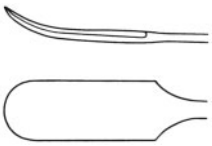
LANDOLT	ND 934.06 260mm / 10¼”	Enukleator, rechts gebogen, stumpf *Enucleator, curved right, blunt* Enucleatore, curva verso dx, smusso *Enucleatores, curva a derecha, romo*



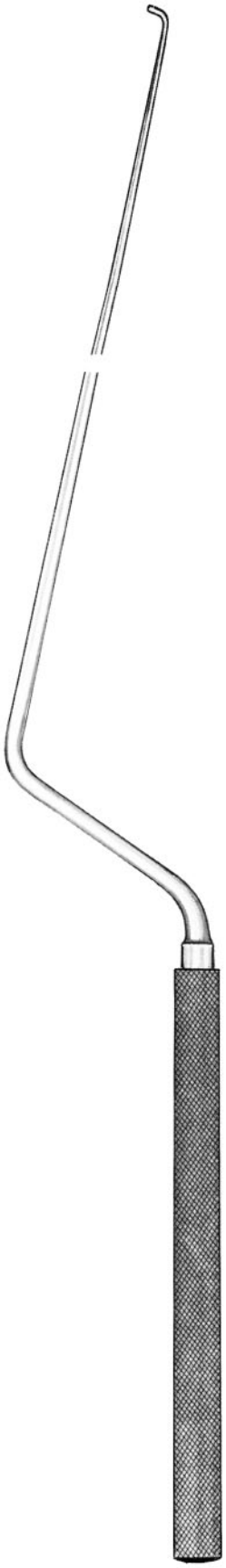
LANDOLT	ND 934.07 260mm / 10¼”	Enukleator, links gebogen, stumpf *Enucleator, curved left, blunt* Enucleatore, curva verso sx, smusso *Enucleatores, curva a izquierda, romo*



LANDOLT	NK 934.03 260mm / 10¼”	Löffel, biegsam *Curette, malleable* Curetta, malleabile *Cureta, maleable*



LANDOLT	NK 934.05 260mm / 10¼”	Kürette, biegsam *Curette, malleable* Curetta, malleabile *Cureta, maleable*



NK 936.03
260mm / 10¼”

Ø2,0mm

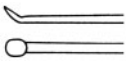


LANDOLT-REULEN ND 936.01
260mm / 10¼” // Ø2,0mm
Dissektor, fest
Dissector, rigid
Dissetore, rigida
Dissector, rígida



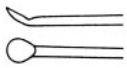
LANDOLT-REULEN ND 936.02
260mm / 10¼”
Stumpfes Häckchen, fest
Blunt Hook, rigid
Uncino smusso, rigida
Gancho romo, rígida

Ø2,2mm



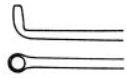
LANDOLT-REULEN ND 936.06
260mm / 10¼” // Ø2,2mm
Raspatorium, fest
Raspatory, rigid
Periostotomi., rigida
Periostótomos, rígida

Ø3,2mm



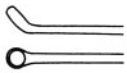
LANDOLT-REULEN ND 936.07
260mm / 10¼” // Ø3,2mm
Raspatorium, fest
Raspatory, rigid
Periostotomi., rigida
Periostótomos, rígida

Ø2,5mm



FAHLBUSCH NK 936.03
260mm / 10¼” // Ø2,5mm
Kürette, biegsam
Curette, malleable
Curetta, malleabile
Cureta, maleable

Ø2,5mm



LANDOLT-REULEN NK 936.04
260mm / 10¼” // Ø2,5mm
Kürette, fest
Curette, rigid
Curetta, rigida
Cureta, rígida

Ø2,0mm

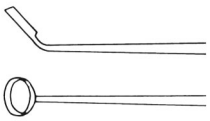


FAHLBUSCH NK 936.05
260mm / 10¼” // Ø2,0mm
Löffel, biegsam
Curette, malleable
Curetta, malleabile
Cureta, maleable



NK 911.04
180mm / 7⅛”

Ø4,0mm



RAY	NK 911.04 180mm / 7⅛” // Ø4,0mm	Kürette, horizontal 45° *Curette, horizontal 45°* Curetta, orizzontale 45° *Cureta, horizontal 45°*

Ø4,0mm



RAY	NK 913.04 180mm / 7⅛” // Ø4,0mm	Kürette, vertikal 45° *Curette, vertical 45°* Curetta, verticale 45° *Cureta, vertical 45°*





NK 926.01
260mm / 10¼”

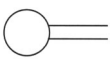
Ø4,0mm



HARDY NK 926.01
260mm / 10¼” // Ø4,0mm

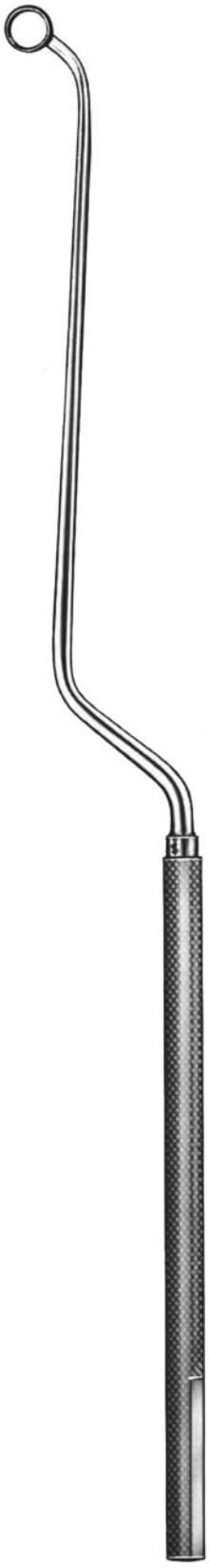
Kürette, biegsam, aufwärts gewinkelt
Curette, malleable, angled up
Curetta, malleabile, angolato vs. l’alto
Cureta, maleable, angulato *hc. arriba*

Ø6,0mm



HARDY NK 926.02
260mm / 10¼” // Ø6,0mm

Kürette, biegsam, aufwärts gewinkelt
Curette, malleable, angled up
Curetta, malleabile, angolato vs. l’alto
Cureta, maleable, angulato *hc. arriba*



NK 927.01
215mm / 8¼”

Ø6,5mm



NICOLA NK 927.01
220mm / 8½” // 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

Ø6,5mm



NICOLA NK 927.02
220mm / 8½” // 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

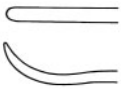
Ø6,5mm



NICOLA NK 927.03
220mm / 8½” // Ø6,5mm

Kürette, biegsam, aufwärts gebogen
Curette, malleable, curved up
Curetta, malleabile, curva verso l’alto
Cureta, maleable, curva haccia arriba

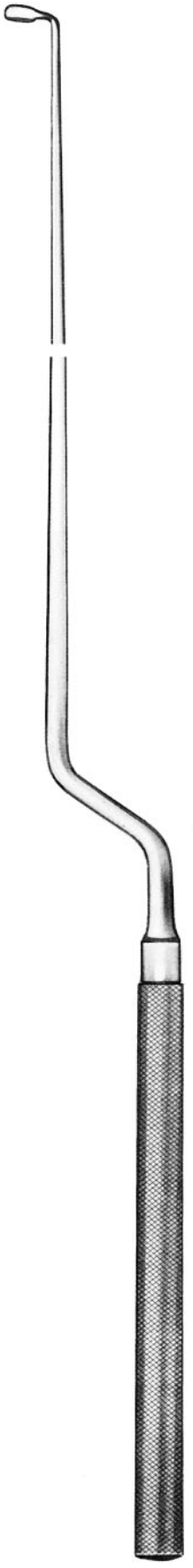
Ø2,0mm



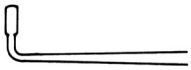
NICOLA NN 960.22
220mm / 8½”// Ø2,0mm

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





NK 938.11
240mm / 9½”



HARDY

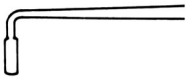
NK 938.01
240mm / 9½” // Ø2,5mm

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° angulata verso 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° angulata verso 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 hacia derecha
Cureta, 90° curva verso destra



HARDY

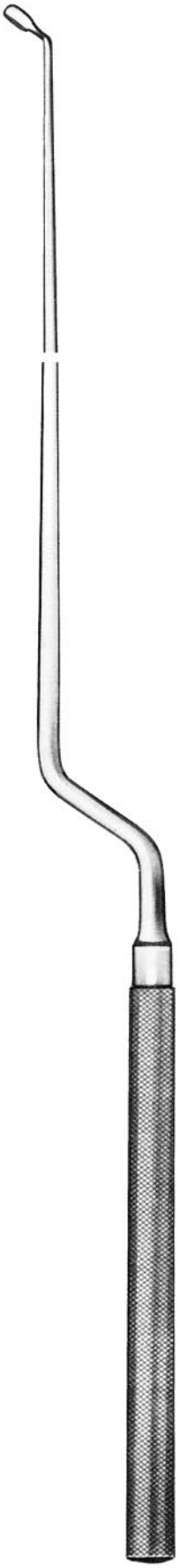
NK 938.04
240mm / 9½” // Ø2,5mm

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 hacia izquierda
Cureta, 90° curva verso sinistra



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° angulata verso 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° angulata verso 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 hacia derecha
Cureta, 45° curva verso destra



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 hacia izquierda
Cureta, 45° curva verso sinistra







NB 283.21 210mm / 8¼"	*Hypophysektomie Pinzette* *Pituitary Forceps* Pinza per Ipofisectomia *Pinza para hipófisectomia*	



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 / 8¼"

LANDOLT	NL 161.21 210mm / 8¼"	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



NU 159.02
90 x 13mm

PAPAVERO-CASPAR	NU 159.01	80 x 11mm
PAPAVERO-CASPAR	NU 159.02	90 x 13mm
PAPAVERO-CASPAR	NU 159.03	100 x 15mm



	ND 968.02	Spannschlüssel 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



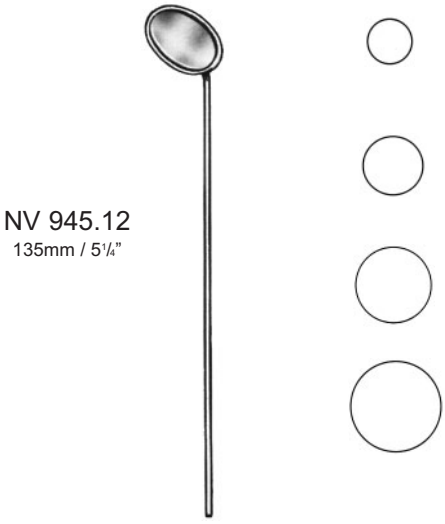




RM 604.04
180mm / 7" // 4mm



PAPAVERO	RM 602.04 220mm / 8¾"	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*
COTTLE	KV 234.19 190mm / 7½"	Ø 30mm, 240g - flach // convex *Ø 30mm, 240g - flat // convex* Ø 30mm, 240g - piatta // convessa *Ø 30mm, 240g - plana // convexa*



NV 945.12
135mm / 5¼”



NV 945.06 135mm / 5¼”	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 / 5¼”	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 / 5¼”	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 / 5¼”	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

CEATEC MEDIZINTECHNIK

STRUMENTI PER MICROCHIRURGIA

INSTRUMENTAL PARA MICROCIRUGÍA





MA 015.16
160mm / 6¼”



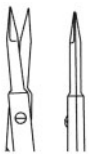
MILESSI	MA 010.12 120mm / 4¾”	Schneiden gezahnt / *blade saw edge* lama dentellata / *hoja dentada*
	MA 010.16 160mm / 6¼”	
	AA 773.04 160mm / 6¼”	
YASARGIL	AA 736.19 190mm / 7½”	



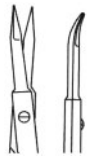
MILESSI	MA 011.12 120mm / 4¾”	Schneiden gezahnt / *blade saw edge* lama dentellata / *hoja dentada*
	MA 011.16 160mm / 6¼”	
	AA 773.05 160mm / 6¼”	
JACOBSON	AA 737.19 190mm / 7½”	



	MA 012.18 180mm / 7”	Präparierschere *Operating Scissor* Forbice per dissezione *Tjera para preparaciones*



VANNAS	MA 014.12 120mm / 4¾”	
	MA 014.16 160mm / 6¼”	



VANNAS	MA 015.12 120mm / 4¾”	
	MA 015.16 160mm / 6¼”	



VANNAS	MA 017.12 120mm / 4¾”	seitwärts gebogen *curved to side* curva laterale *acodado lateral*



BIEMER	MA 021.13 130mm / 5⅛”	Venenschere *Vein Scissors* Forbice per veni *Tijera para venas*



POTTS-YASARGIL	AA 739.19 190mm / 7½”	seitwärts gebogen *curved to side* curva laterale *acodado lateral*



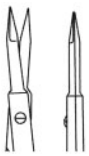
MA 030.14
140mm / 5½”



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

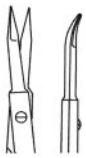


MA 031.14
140mm / 5½”
MA 031.18
180mm / 7”



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-SCHEIDEL

AA 759.14
140mm / 5½”
AA 759.16
160mm / 6¼”
AA 759.18
180mm / 7”

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







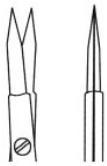
MA 230.19
190mm / 7½”



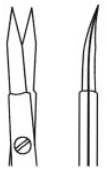
MA 226.19
190mm / 7½”



MA 227.19
190mm / 7½”
aufwärts gebogen
curved up
curvo verso il alto
curva hacia arriba



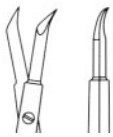
VANNAS
MA 229.16
160mm / 6¼”
MA 229.19
190mm / 7½”
MA 229.22
220mm / 8¾”



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 / 6¼” MA 240.20 200mm / 8”	



YASARGIL	MA 241.16 160mm / 6¼” MA 241.20 200mm / 8”	aufwärts gebogen / *curved up* curvo verso il alto / *curva hacia arriba* aufwärts gebogen / *curved up* curvo verso il alto / *curva hacia arriba*



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



YASARGIL	MA 244.16 160mm / 6¼” 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.*





MA 247.22
220mm / 8¾"



YASARGIL

MA 246.22
220mm / 8¾"

MA 246S22
220mm / 8¾"
Schneiden gezahnt / *blade saw edge*
lama dentellata / *hoja dentada*

MA 246.24
240mm / 9½"



YASARGIL

MA 247.22
220mm / 8¾"
aufwärts gebogen / *curved up*
curvo verso il alto / *curva hacia arriba*

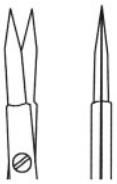
MA 247S22
220mm / 8¾"
Schneiden gezahnt / *blade saw edge*
lama dentellata / *hoja dentada*

MA 247.24
240mm / 9½"
aufwärts gebogen / *curved up*
curvo verso il alto / *curva hacia arriba*



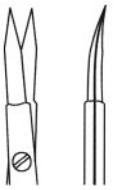
YASARGIL

MA 248.22
220mm / 8¾"
abwärts gebogen
curved down
curva hacia abajo
curvo verso il basso



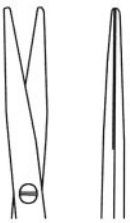
VANNAS

MA 250.22
220mm / 8¾"



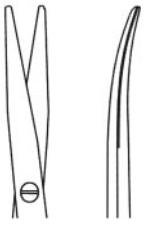
VANNAS

MA 251.22
220mm / 8¾"
aufwärts gebogen
curved up
curvo verso il alto
curva hacia arriba



YASARGIL

MA 256.22
220mm / 8¾"
Präparierschere / *Operating Scissor*
Forbice per dissez. / *Tjera para prep.*



YASARGIL

MA 257.22
220mm / 8¾"
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 *curva lateral*



MA 261.20 200mm / 8”	mit Knopf, seitwärts gebogen *ball-pointed, curved to side* con bottone, curva laterale *abotanada,* curva lateral



MA 262.19 190mm / 7½”	seitwärts gebogen *curved to side* curva laterale *curva lateral*





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

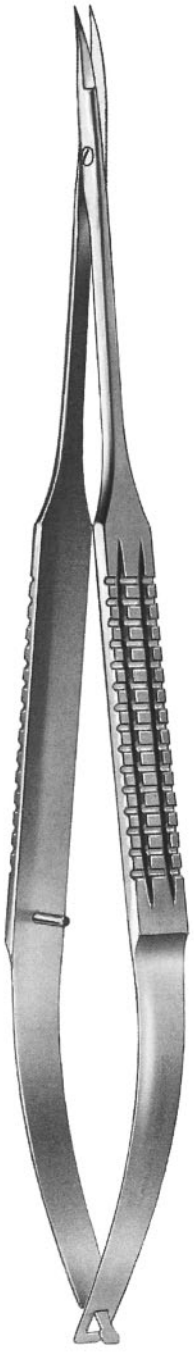
SL = `STREAMLINED´

gedrehter Schluß
turned ending
parte finale attorcigliato
aguda currentilínea

D = `DIAMOND´



diamantiert
diamond coated
diamantata
diamantada

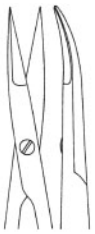


MA 361.18
180mm / 7”



MA 360.15SL
150mm / 6”
MA 360.18SL
180mm / 7”
MA 360.21SL
210mm / 8¼”
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 / 8¼”
MA 361.23SL
230mm / 9”

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





MA 360.15DSL
150mm / 6”
MA 360.18DSL
180mm / 7”
MA 360.21DSL
210mm / 8¼”
MA 360.23DSL
230mm / 9”

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





MA 361.15DSL
150mm / 6”
MA 361.18DSL
180mm / 7”
MA 361.21DSL
210mm / 8¼”
MA 361.23DSL
230mm / 9”

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

SL = `STREAMLINED´



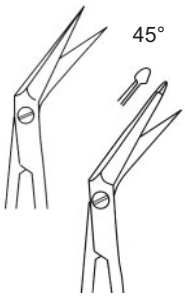
MA 366.45
180mm / 7”



25°

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

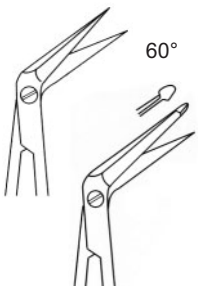
MA 367.25SL
180mm / 7”
mit Knopf / *with ball*
con bottone / *con botón*



45°

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

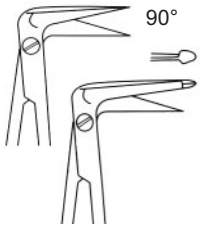
MA 367.45SL
180mm / 7”
mit Knopf / *with ball*
con bottone / *con botón*



60°

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

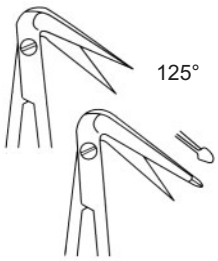
MA 367.60SL
180mm / 7”
mit Knopf / *with ball*
con bottone / *con botón*



90°

MA 366.90SL
180mm / 8¾”
ohne Knopf / *without ball*
senza bottone / *sin botón*

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



125°

MA 367.00SL
180mm / 8¾”
ohne Knopf / *without ball*
senza bottone / *sin botón*

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



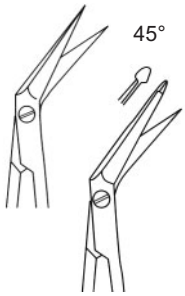




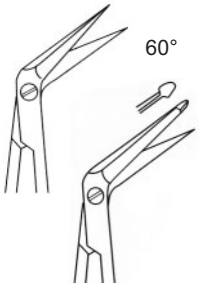
AA 770.60
180mm / 7”



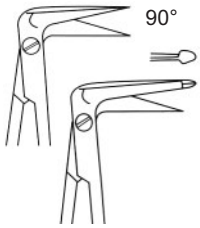
AA 770.25 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
AA 771.25 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



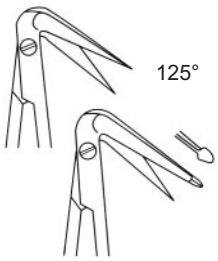
AA 770.45 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
AA 771.45 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



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*



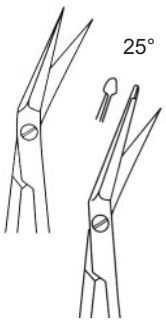
AA 770.90 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
AA 771.90 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



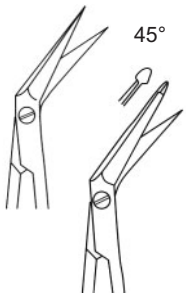
AA 771.00 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
AA 772.00 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



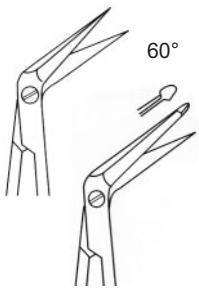
MA 371.60
180mm / 7”



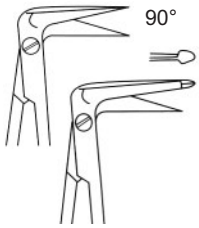
MA 370.25 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
MA 371.25 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



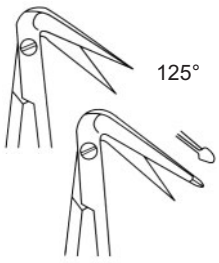
MA 370.45 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
MA 371.45 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



MA 370.60 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
MA 371.60 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



MA 370.90 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
MA 371.90 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*



MA 371.00 180mm / 7”	ohne Knopf / *without ball* senza bottone / *sin botón*
MA 372.00 180mm / 7”	mit Knopf / *with ball* con bottone / *con botón*







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 / 7¼”	Spitzen 0,5mm *Tips 0,5mm* Punta 0,5mm *Punta 0,5mm*





MB 007.13
135mm / 5¼"



	MB 007.12 120mm / 4¾"	Spitzen 0,3mm *Tips 0,3mm* Punta 0,3mm *Punta 0,3mm*



VISE	MB 007.13 135mm / 5¼"	Spitzen 0,3mm *Tips 0,3mm* Punta 0,3mm *Punta 0,3mm*



VISE	MB 007.23 135mm / 5¼"	1:2 Zähne *1:2 teeth* 1:2 denti *1:2 diente*



VISE	MB 007.33 135mm / 5¼"	Spitzen 0,3mm *Tips 0,3mm* Punta 0,3mm *Punta 0,3mm*



D = `DIAMOND´



diamantiert
diamond coated
diamantata
diamantada



MB 010.12
120mm / 4¾”
MB 016.14
140mm / 5¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 011.12
120mm / 4¾”
MB 017.14
140mm / 5¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 013.12
120mm / 4¾”
MB 019.14
140mm / 5¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm





MB 010D12
120mm / 4¾”
MB 016D14
140mm / 5¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm





MB 011D12
120mm / 4¾”
MB 017D14
140mm / 5¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



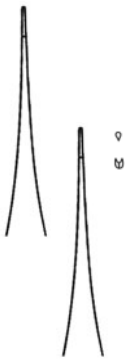


MB 013D12
120mm / 4¾”
MB 019D14
140mm / 5¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm

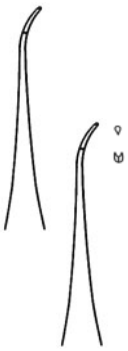


MB 010.12
120mm / 4¾”



MB 022.15
150mm / 6”
MB 024.15
150mm / 6”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



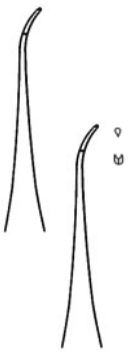
MB 023.15
150mm / 6”
MB 025.15
150mm / 6”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



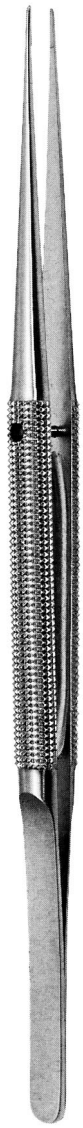
MB 022D15
150mm / 6”
MB 024D15
150mm / 6”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



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

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 022.15
150mm / 6”



MB 030.18
180mm / 7”



MB 030.18
180mm / 7”
Fadenplatte / *Tying platform* 6x0,4mm
Piatta forma / *Plata forma*



MB 031.18
180mm / 7”
Fadenplatte / *Tying platform* 6x0,4mm
Piatta forma / *Plata forma*



MB 034.18
180mm / 7”
MB 034.21
210mm / 8¼”
MB 034.23
230mm / 9”
Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
Piatta forma 6x0,8mm
Plata forma 6x0,8mm



MB 035.18
180mm / 7”
MB 035.21
210mm / 8¼”
MB 035.23
230mm / 9”
Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
Piatta forma 6x0,8mm
Plata forma 6x0,8mm



MB 040.18
180mm / 7”
Fadenplatte / *Tying platform* ***1:2***
Piatta forma / *Plata forma* **6x0,4mm**



MB 041.18
180mm / 7”
Fadenplatte / *Tying platform* ***1:2***
Piatta forma / *Plata forma* **6x0,4mm**



MB 042.18
180mm / 7”
MB 042.21
210mm / 8¼”
MB 042.23
230mm / 9”
Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeths
Piatta forma 6x0,8mm,1:2 denti
Plata forma 6x0,8mm, 1:2 dientes



MB 043.18
180mm / 7”
MB 043.21
210mm / 8¼”
MB 043.23
230mm / 9”
Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeths
Piatta forma 6x0,8mm,1:2 denti
Plata forma 6x0,8mm, 1:2 dientes



MB 034D18
180mm / 7”



MB 030D18
180mm / 7”

Fadenplatte / *Tying platform* 6x0,4mm
Piatta forma / *Plata forma*



MB 031D18
180mm / 7”

Fadenplatte / *Tying platform* 6x0,4mm
Piatta forma / *Plata forma*



MB 034D18
180mm / 7”
MB 034D21
210mm / 8¼”
MB 034D23
230mm / 9”

Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
Piatta forma 6x0,8mm
Plata forma 6x0,8mm



MB 035D18
180mm / 7”
MB 035D21
210mm / 8¼”
MB 035D23
230mm / 9”

Fadenplatte 6x0,8mm
Tying platform 6x0,8mm
Piatta forma 6x0,8mm
Plata forma 6x0,8mm



MB 040D18
180mm / 7”

Fadenplatte / *Tying platform* ***1:2***
Piatta forma / *Plata forma* **6x0,4mm**



MB 041D18
180mm / 7”

Fadenplatte / *Tying platform* ***1:2***
Piatta forma / *Plata forma* **6x0,4mm**



MB 042D18
180mm / 7”
MB 042D21
210mm / 8¼”
MB 042D23
230mm / 9”

Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeths
Piatta forma 6x0,8mm,1:2 denti
Plata forma 6x0,8mm, 1:2 dientes

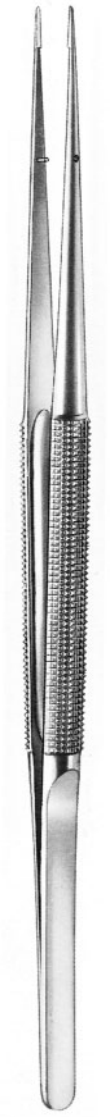


MB 043D18
180mm / 7”
MB 043D21
210mm / 8¼”
MB 043D23
230mm / 9”

Fadenplatte 6x0,8mm, 1:2 Zähne
Tying platform 6x0,8mm, 1:2 teeths
Piatta forma 6x0,8mm,1:2 denti
Plata forma 6x0,8mm, 1:2 dientes







MB 060.63
150mm / 6”



MB 060.03
150mm / 6”
MB 066.03
180mm / 7”
MB 070.03
210mm / 8¼”
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 / 8¼”
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 / 8¼”
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 / 8¼”
MB 077.07
230mm / 9”

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



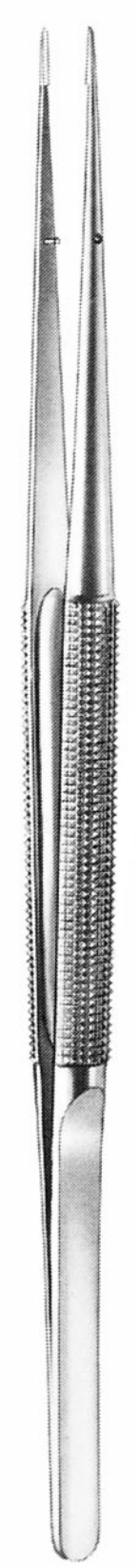
MB 060.63
150mm / 6”
MB 066.63
180mm / 7”
MB 070.63
210mm / 8¼”
MB 076.63
230mm / 9”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 061.63
150mm / 6”
MB 067.63
180mm / 7”
MB 071.63
210mm / 8¼”
MB 077.63
230mm / 9”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 070.63
210mm / 8¼”



MB 060.67
150mm / 6”
MB 066.67
180mm / 7”
MB 070.67
210mm / 8¼”
MB 076.67
230mm / 9”

Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm



MB 061.67
150mm / 6”
MB 067.67
180mm / 7”
MB 071.67
210mm / 8¼”
MB 077.67
230mm / 9”

Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm



MB 062.63
150mm / 6”
MB 068.63
180mm / 7”
MB 072.63
210mm / 8¼”
MB 078.63
230mm / 9”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 063.63
150mm / 6”
MB 069.63
180mm / 7”
MB 073.63
210mm / 8¼”
MB 079.63
230mm / 9”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 062.67
150mm / 6”
MB 068.67
180mm / 7”
MB 072.67
210mm / 8¼”
MB 078.67
230mm / 9”

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes

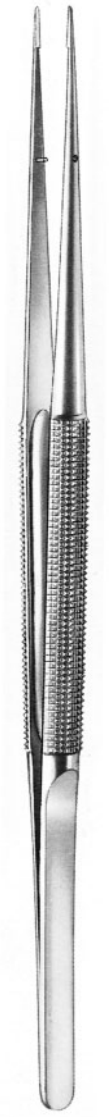


MB 063.67
150mm / 6”
MB 069.67
180mm / 7”
MB 073.67
210mm / 8¼”
MB 079.67
230mm / 9”

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes







MB 060D63
150mm / 6”



MB 060D03
150mm / 6”
MB 066D03
180mm / 7”
MB 070D03
210mm / 8¼”
MB 076D03
230mm / 9”

Maul 0,3mm
Jaws 0,3mm
Morso 0,3mm
Boca 0,3mm



MB 061D03
150mm / 6”
MB 067D03
180mm / 7”
MB 071D03
210mm / 8¼”
MB 077D03
230mm / 9”

Maul 0,3mm
Jaws 0,3mm
Morso 0,3mm
Boca 0,3mm



MB 060D07
150mm / 6”
MB 066D07
180mm / 7”
MB 070D07
210mm / 8¼”
MB 076D07
230mm / 9”

Maul 0,7mm
Jaws 0,7mm
Morso 0,7mm
Boca 0,7mm



MB 061D07
150mm / 6”
MB 067D07
180mm / 7”
MB 071D07
210mm / 8¼”
MB 077D07
230mm / 9”

Maul 0,7mm
Jaws 0,7mm
Morso-- 0,7mm
Boca 0,7mm



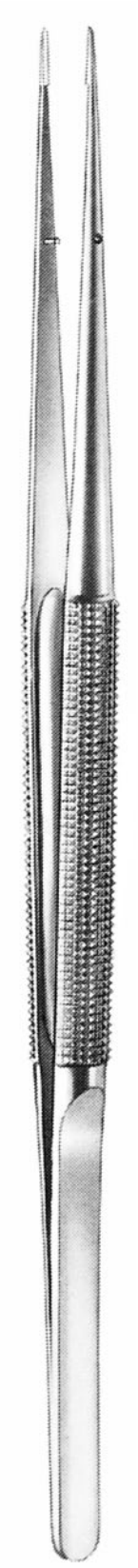
MB 060D63
150mm / 6”
MB 066D63
180mm / 7”
MB 070D63
210mm / 8¼”
MB 076D63
230mm / 9”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 061D63
150mm / 6”
MB 067D63
180mm / 7”
MB 071D63
210mm / 8¼”
MB 077D63
230mm / 9”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 070D63
210mm / 8¼”



MB 060D67
150mm / 6”
MB 066D67
180mm / 7”
MB 070D67
210mm / 8¼”
MB 076D67
230mm / 9”

Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm



MB 061D67
150mm / 6”
MB 067D67
180mm / 7”
MB 071D67
210mm / 8¼”
MB 077D67
230mm / 9”

Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm



MB 062D63
150mm / 6”
MB 068D63
180mm / 7”
MB 072D63
210mm / 8¼”
MB 078D63
230mm / 9”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 063D63
150mm / 6”
MB 069D63
180mm / 7”
MB 073D63
210mm / 8¼”
MB 079D63
230mm / 9”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 062D67
150mm / 6”
MB 068D67
180mm / 7”
MB 072D67
210mm / 8¼”
MB 078D67
230mm / 9”

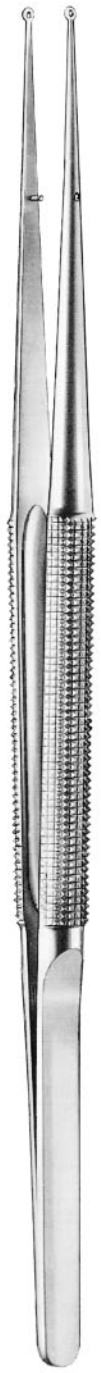
Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes



MB 063D67
150mm / 6”
MB 069D67
180mm / 7”
MB 073D67
210mm / 8¼”
MB 079D67
230mm / 9”

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes





MB 082.18
180mm / 7”





MB 080.15
150mm / 6”
MB 080.18
180mm / 7”
MB 080.21
210mm / 8¼”
MB 080.23
230mm / 9”

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



MB 081.15
150mm / 6”
MB 081.18
180mm / 7”
MB 081.21
210mm / 8¼”
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 / 8¼”
MB 082.23
230mm / 9”

Ring 2x1mm, glatt
Jaws 2x1mm, *smooth*
Morso 2x1mm, liscia
Boca 2x1mm, *lise*



MB 083.15
150mm / 6”
MB 083.18
180mm / 7”
MB 083.21
210mm / 8¼”
MB 083.23
230mm / 9”

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



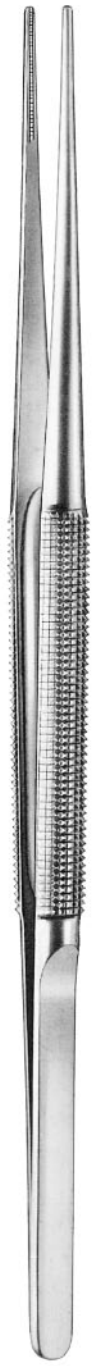
MB 080D15
150mm / 6”
MB 080D18
180mm / 7”
MB 080D21
210mm / 8¼”
MB 080D23
230mm / 9”

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



MB 082D15
150mm / 6”
MB 082D18
180mm / 7”
MB 082D21
210mm / 8¼”
MB 082D23
230mm / 9”

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



MB 086.18
180mm / 7”



DE BAKEY

MB 085.15
150mm / 6”
MB 085.18
180mm / 7”
MB 085.21
210mm / 8¼”
MB 085.23
230mm / 9”

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



DE BAKEY

MB 086.15
150mm / 6”
MB 086.18
180mm / 7”
MB 086.21
210mm / 8¼”
MB 086.23
230mm / 9”

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



DE BAKEY

MB 087.15
150mm / 6”
MB 087.18
180mm / 7”
MB 087.21
210mm / 8¼”
MB 087.23
230mm / 9”

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



DE BAKEY

MB 088.15
150mm / 6”
MB 088.18
180mm / 7”
MB 088.21
210mm / 8¼”
MB 088.23
230mm / 9”

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



CT-ORO

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



MB 095.18
180mm / 7”



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



DE BAKEY	MB 096.18 180mm / 7” MB 096.21 210mm / 8¼” MB 096.23 230mm / 9”	Maulbreite 2mm *Jaws* 2mm Morso 2mm *Boca* 2*mm*



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



DE BAKEY	MB 098.18 180mm / 7” MB 098.21 210mm / 8¼” MB 098.23 230mm / 9”	Maulbreite 2mm *Jaws* 2mm Morso 2mm *Boca* 2*mm*



MB 145.20
200mm / 8”



YASARGIL

MB 145.16 160mm / 6¼”	
MB 145.18 180mm / 7”	Spitzen 0,6mm *Tips 0,6mm* Punta 0,6mm *Punta 0,6mm*
MB 145.20 200mm / 8”	
MB 145.22 220mm / 8¾”	
MB 145.24 240mm / 9½”	

T



YASARGIL

MB 147.16 160mm / 6¼”	
MB 147.18 180mm / 7”	Spitzen 0,9mm *Tips 0,9mm* Punta 0,9mm *Punta 0,9mm*
MB 147.20 200mm / 8”	
MB 147.22 220mm / 8¾”	
MB 147.24 240mm / 9½”	

T



YASARGIL

MB 148.18 180mm / 7”	1:2 Zähne *1:2 teeth* 1:2 denti *1:2 diente*





MB 162.18
180mm / 7”

MB 162.18 180mm / 7”	Aufwärts gebogen *Curved up* Curvo verso il alto *Curva hacia arriba*



MB 170D18
180mm / 7”



MB 170.16
160mm / 6½”
AB 019.01
180mm / 7”

spitz
sharp
aguda
acuta



MB 172.16
160mm / 6½”
MB 172.18
180mm / 7”

spitz
sharp
aguda
acuta



MB 171.16
160mm / 6½”
AB 019.02
180mm / 7”

stumpf
blunt
smussa
roma



MB 173.16
160mm / 6½”
AB 019.03
180mm / 7”

stumpf
blunt
smussa
roma





MB 170D16
160mm / 6½”
MB 170D18
180mm / 7”

spitz
sharp
aguda
acuta





MB 172D16
160mm / 6½”
MB 172D18
180mm / 7”

spitz
sharp
aguda
acuta





MB 171D16
160mm / 6½”
MB 171D18
180mm / 7”

stumpf
blunt
smussa
roma





MB 173D16
160mm / 6½”
MB 173D18
180mm / 7”

stumpf
blunt
smussa
roma



Mikro-Pinzetten bajonett
Micro-Forceps bayonet
Micro-Pinza baionetta
Micro-Pinza bayoneta





MB 191.21
210mm / 8¼”



MB 190.21
210mm / 8¼”
MB 190.23
230mm / 9”

spitz
sharp
aguda
acuta



MB 192.21
210mm / 8¼”
MB 192.23
230mm / 9”

spitz
sharp
aguda
acuta



MB 191.21
210mm / 8¼”
MB 191.23
230mm / 9”

stumpf
blunt
smussa
roma



MB 193.21
210mm / 8¼”
MB 193.23
230mm / 9”

stumpf
blunt
smussa
roma





MB 190D21
210mm / 8¼”
MB 190D23
230mm / 9”

spitz
sharp
aguda
acuta





MB 192D21
210mm / 8¼”
MB 192D23
230mm / 9”

spitz
sharp
aguda
acuta





MB 191D21
210mm / 8¼”
MB 191D23
230mm / 9”

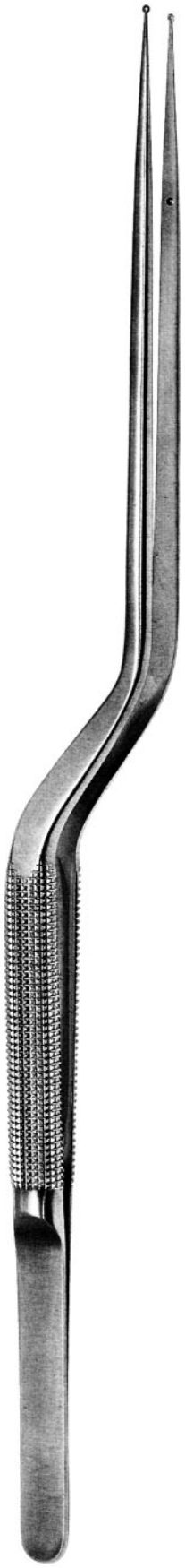
stumpf
blunt
smussa
roma





MB 193D21
210mm / 8¼”
MB 193D23
230mm / 9”

stumpf
blunt
smussa
roma



MB 197.21
210mm / 8¼”



MB 195.21
210mm / 8¼”
MB 195.23
230mm / 9”

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



MB 196.21
210mm / 8¼”
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 / 8¼”
MB 197.23
230mm / 9”

Ring 2x1mm, glatt
Jaws 2x1mm, *smooth*
Morso 2x1mm, liscia
Boca 2x1mm, *lise*



MB 198.21
210mm / 8¼”
MB 198.23
230mm / 9”

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





MB 195D21
210mm / 8¼”
MB 195D23
230mm / 9”

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

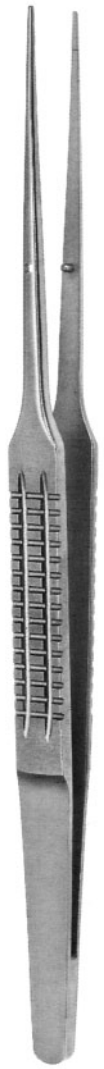




MB 197D21
210mm / 8¼”
MB 197D23
230mm / 9”

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





MB 220.15
150mm / 6”



MB 220.15
150mm / 6”
MB 220.18
180mm / 7”
MB 220.21
210mm / 8¼”

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 / 8¼”

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 / 8¼”

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 / 8¼”

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 / 8¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



MB 225.15
150mm / 6”
MB 225.18
180mm / 7”
MB 225.21
210mm / 8¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm



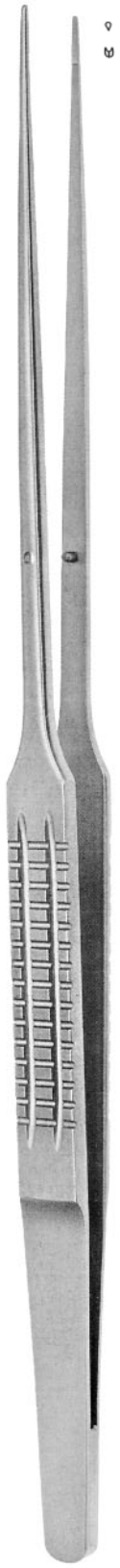
MB 226.15
150mm / 6”
MB 226.18
180mm / 7”
MB 226.21
210mm / 8¼”

Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm



MB 227.15
150mm / 6”
MB 227.18
180mm / 7”
MB 227.21
210mm / 8¼”

Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm



MB 228.21
210mm / 8¼”



MB 228.15
150mm / 6”
MB 228.18
180mm / 7”
MB 228.21
210mm / 8¼”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 229.15
150mm / 6”
MB 229.18
180mm / 7”
MB 229.21
210mm / 8¼”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 230.15
150mm / 6”
MB 230.18
180mm / 7”
MB 230.21
210mm / 8¼”

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes

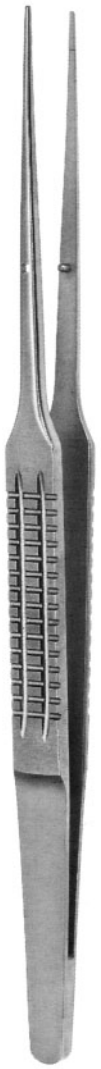


MB 231.15
150mm / 6”
MB 231.18
180mm / 7”
MB 231.21
210mm / 8¼”

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes



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



MB 220.15
150mm / 6”





MB 220D15
150mm / 6”
MB 220D18
180mm / 7”
MB 220D21
210mm / 8¼”

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





MB 221D15
150mm / 6”
MB 221D18
180mm / 7”
MB 221D21
210mm / 8¼”

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





MB 222D15
150mm / 6”
MB 222D18
180mm / 7”
MB 222D21
210mm / 8¼”

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





MB 223D15
150mm / 6”
MB 223D18
180mm / 7”
MB 223D21
210mm / 8¼”

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





MB 224D15
150mm / 6”
MB 224D18
180mm / 7”
MB 224D21
210mm / 8¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm





MB 225D15
150mm / 6”
MB 225D18
180mm / 7”
MB 225D21
210mm / 8¼”

Fadenplatte 6x0,3mm
Tying platform 6x0,3mm
Piatta forma 6x0,3mm
Plata forma 6x0,3mm





MB 226D15
150mm / 6”
MB 226D18
180mm / 7”
MB 226D21
210mm / 8¼”

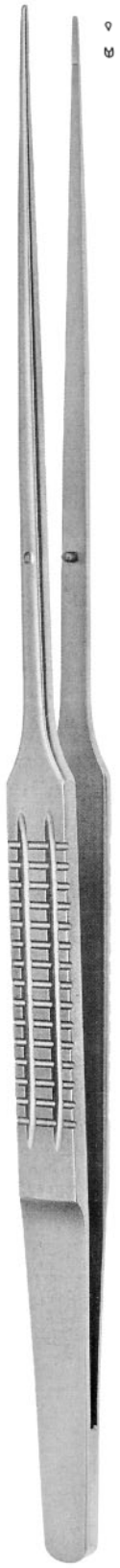
Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm





MB 227D15
150mm / 6”
MB 227D18
180mm / 7”
MB 227D21
210mm / 8¼”

Fadenplatte 6x0,7mm
Tying platform 6x0,7mm
Piatta forma 6x0,7mm
Plata forma 6x0,7mm



MB 228.21
210mm / 8¼”



MB 228D15
150mm / 6”
MB 228D18
180mm / 7”
MB 228D21
210mm / 8¼”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 229D15
150mm / 6”
MB 229D18
180mm / 7”
MB 229D21
210mm / 8¼”

Fadenplatte 6x0,3mm, 1:2 Zähne
Tying platform 6x0,3mm, 1:2 teeths
Piatta forma 6x0,3mm,1:2 denti
Plata forma 6x0,3mm, 1:2 dientes



MB 230D15
150mm / 6”
MB 230D18
180mm / 7”
MB 230D21
210mm / 8¼”

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes

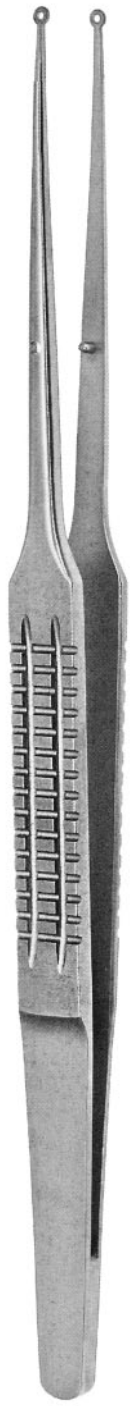


MB 231D15
150mm / 6”
MB 231D18
180mm / 7”
MB 231D21
210mm / 8¼”

Fadenplatte 6x0,7mm, 1:2 Zähne
Tying platform 6x0,7mm, 1:2 teeths
Piatta forma 6x0,7mm,1:2 denti
Plata forma 6x0,7mm, 1:2 dientes







MB 260.18
180mm / 7”



MB 260.15
150mm / 6”
MB 260.18
180mm / 7”
MB 260.21
210mm / 8¼”

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 / 8¼”

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



MB 264.15
150mm / 6”
MB 264.18
180mm / 7”
MB 264.21
210mm / 8¼”

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 / 8¼”

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





MB 260D15
150mm / 6”
MB 260D18
180mm / 7”
MB 260D21
210mm / 8¼”

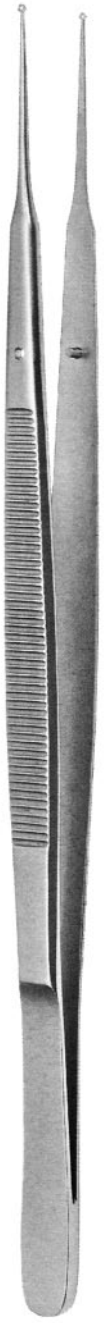
Ring 1x0,5mm
Jaws 1x0,5mm
Morso 1x0,5mm
Boca 1x0,5mm





MB 264D15
150mm / 6”
MB 264D18
180mm / 7”
MB 264D21
210mm / 8¼”

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



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
Piatta forma 6x1mm, retta
Plata forma 6x1mm, recta



GERALD MB 287.18 (180mm / 7”)
Fadenplatte 6x1mm, gebogen
Tying platform 6x1mm, curved
Piatta forma 6x1mm, curva
Plata forma 6x1mm, curva



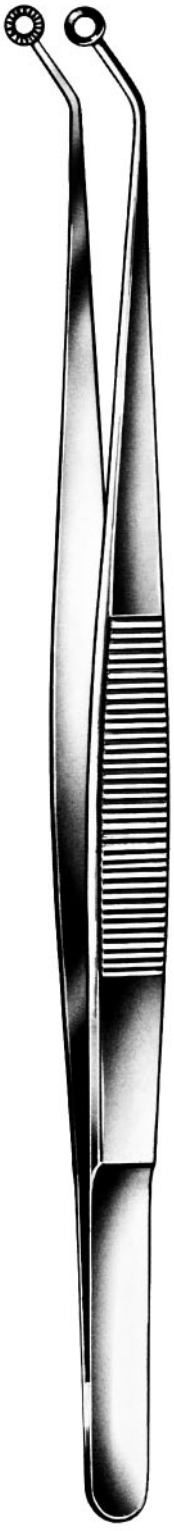
DE BAKEY MB 288.18 (180mm / 7”)
Maulbreite 1,2mm, gerade
Jaws 1,2mm, straight
Morso 1,2mm, retta
Boca 1,2mm, recta



DE BAKEY MB 289.18 (180mm / 7”)
Maulbreite 2mm, gerade
Jaws 2mm, straight
Morso 2mm, retta
Boca 2mm, recta







AB 001.02
200mm / 8”



HUNT	AB 001.02 180mm / 7” // Ø 5mm	flachgezahnt *jaws flat serrated* dentellate *dentadas*



AB 009.03
220mm / 8¾”



YASARGIL	AB 009.03 220mm / 8¾”	Maulbreite 3mm *Jaws* 3mm Morso 3mm *Boca 3mm*



YASARGIL	AB 009.05 220mm / 8¾”	Maulbreite 5mm *Jaws* 5mm Morso 5mm *Boca 5mm*

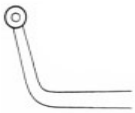


Tumorfaßpinzette bajonett
Tumor Grasping Forceps bayonet
Pinza per tumori baionetta
Pinza por tumores bayoneta

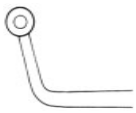




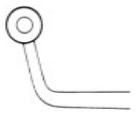
AB 011.03
230mm / 9”



SAMII AB 011.03 — 230mm / 9” // Ø 3mm
löffelförmig, aufwärts gebogen
jaws spoon-shaped, curved up
a forma di cucchiaio, curva verso l'alto
a forma de cuccarillo, curva 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
a forma de cuccarillo, curva 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
a forma de cuccarillo, curva 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
a forma de cuccarillo, curva hc. abajo



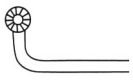
SAMII AB 011.14 — 230mm / 9” // Ø 4mm
löffelförmig, abwärts gebogen
jaws spoon-shaped, curved down
a forma di cucchiaio, curva vs.il basso
a forma de cuccarillo, curva hc. abajo



SAMII AB 011.15 — 230mm / 9” // Ø 5mm
löffelförmig, abwärts gebogen
jaws spoon-shaped, curved down
a forma di cucchiaio, curva vs.il basso
a forma de cuccarillo, curva hc. abajo



SAMII AB 013.03 — 230mm / 9” // Ø 3mm
flachgezahnt, aufwärts gebogen
jaws flat serrated, curved up
dentellate, curva verso l'alto
dentadas, curva hacia arriba



SAMII AB 014.03 — 230mm / 9” // Ø 3mm
flachgezahnt, aufwärts gebogen
jaws flat serrated, curved up
dentellate, curva verso l'alto
dentadas, curva hacia arriba



AB 003.05
220mm / 8¾”



YASARGIL	AB 001.03 220mm / 8¾” // Ø 3mm AB 001.05 220mm / 8¾” // Ø 5mm	löffelförmig *jaws spoon-shaped* a forma di cucchiaio *a forma de cuccarillo*



YASARGIL	AB 003.03 220mm / 8¾” // Ø 3mm AB 003.05 220mm / 8¾” // Ø 5mm	flachgezahnt *jaws flat serrated* dentellate *dentadas*



YASARGIL	AB 005.03 220mm / 8¾” // Ø 3mm AB 005.05 220mm / 8¾” // Ø 5mm	kürettenförmig *jaws curette toothed* a forma di curetta *a forma de cureta*



Tumorfaßpinzette bajonett
Tumor Grasping Forceps bayonet
Pinza per tumori baionetta
Pinza por tumores bayoneta





MB 413T22
220mm / 8¾”

YASARGIL **YASARGIL-SAMII**	MB 410.22 220mm / 8¾” // Ø 3mm MB 410.24 240mm / 9½” // Ø 3mm	löffelförmig *jaws spoon-shaped* a forma di cucchiaio *a forma de cuccarillo*	T
YASARGIL-SAMII	MB 411.22 220mm / 8¾” // Ø 5mm MB 411.24 240mm / 9½” // Ø 5mm	löffelförmig *jaws spoon-shaped* a forma di cucchiaio *a forma de cuccarillo*	T
YASARGIL-SAMII	MB 412.22 220mm / 8¾” // Ø 7mm MB 412.24 240mm / 9½” // Ø 7mm	löffelförmig *jaws spoon-shaped* a forma di cucchiaio *a forma de cuccarillo*	T
YASARGIL	MB 413.22 220mm / 8¾” // Ø 3mm MB 413.24 240mm / 9½” // Ø 3mm	flachgezahnt *jaws flat serrated* dentellate *dentadas*	T
YASARGIL	MB 414.22 220mm / 8¾” // Ø 5mm MB 414.24 240mm / 9½” // Ø 5mm	flachgezahnt *jaws flat serrated* dentellate *dentadas*	T
HEIFETZ	MB 416.22 220mm / 8¾” // Ø 3mm MB 416.24 240mm / 9½” // Ø 3mm	kürettenförmig *jaws curette toothed* a forma di curetta *a forma de cureta*	T
HEIFETZ	MB 417.22 220mm / 8¾” // Ø 5mm MB 417.24 240mm / 9½” // Ø 5mm	kürettenförmig *jaws curette toothed* a forma di curetta *a forma de cureta*	T







ME 212.15
150mm / 6”

		ME 210.15 150mm / 6” ME 210.18 180mm / 7” // 0,3mm ME 210.21 210mm / 8¼” // 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 / 8¼” // 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 / 8¼” // 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 / 8¼” // 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 / 8¼”	gerade, ohne Sperre *straight, without ratchet* retto, senza cremagliera *recta, sin cremallera*
		ME 211D15 150mm / 6” ME 215D18 180mm / 7” ME 211D21 210mm / 8¼”	gebogen, ohne Sperre *curved, without ratchet* curvo, senza cremagliera *curva, sin cremallera*
		ME 212D15 150mm / 6” ME 216D18 180mm / 7” ME 212D21 210mm / 8¼”	gerade, mit Sperre *straight, with ratchet* retto, con cremagliera *recta, con cremallera*
		ME 213D15 150mm / 6” ME 217D18 180mm / 7” ME 213D21 210mm / 8¼”	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 / 8¼”

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

T



ME 215T15
150mm / 6”
ME 215.18
180mm / 7”
ME 215T21
210mm / 8¼”

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

T



ME 216T15
150mm / 6”
ME 216.18
180mm / 7”
ME 216T21
210mm / 8¼”

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

T



ME 217T15
150mm / 6”
ME 217.18
180mm / 7”
ME 217T21
210mm / 8¼”

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

T



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 cremellara



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 cremella.



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



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



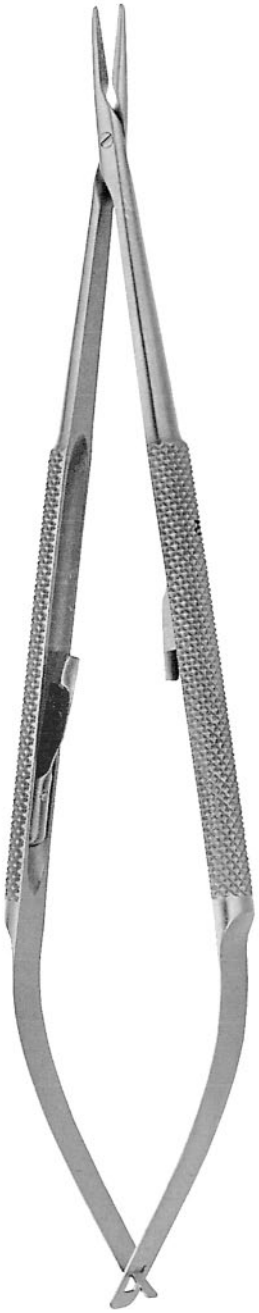
ME 216.15SL
150mm / 6”
ME 216.18SL
180mm / 7”
ME 216.21SL
210mm / 8¼”

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



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



ME 212DT18SL
180mm / 7”



		ME 210D15SL 150mm / 6” ME 210D18SL 180mm / 7” ME 210D21SL 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 cremellara*
		ME 211D15SL 150mm / 6” ME 211D18SL 180mm / 7” ME 211D21SL 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 212D15SL 150mm / 6” ME 212D18SL 180mm / 7” ME 212D21SL 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 cremella.*
		ME 213D15SL 150mm / 6” ME 213D18SL 180mm / 7” ME 213D21SL 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 214D15SL 150mm / 6” ME 214D18SL 180mm / 7” ME 214D21SL 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 cremellara*
		ME 215D15SL 150mm / 6” ME 215D18SL 180mm / 7” ME 215D21SL 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 216D15SL 150mm / 6” ME 216D18SL 180mm / 7” ME 216D21SL 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 cremella.*
		ME 217D15SL 150mm / 6” ME 217D18SL 180mm / 7” ME 217D21SL 210mm / 8¼”	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*





ME 224.18
180mm / 7”



ME 220.15
150mm / 6”
ME 220.18
180mm / 7”
ME 210.21
210mm / 8¼”

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 / 8¼”

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 / 8¼”

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 / 8¼”

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 / 8¼”

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 / 8¼”

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 / 8¼”

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 / 8¼”

TC gerieft, gebogen, mit Sperre
TC serrated, curved, with ratchet
TC dentellate, curva, con cremagliera
TC dentadas, curva, con cremallera

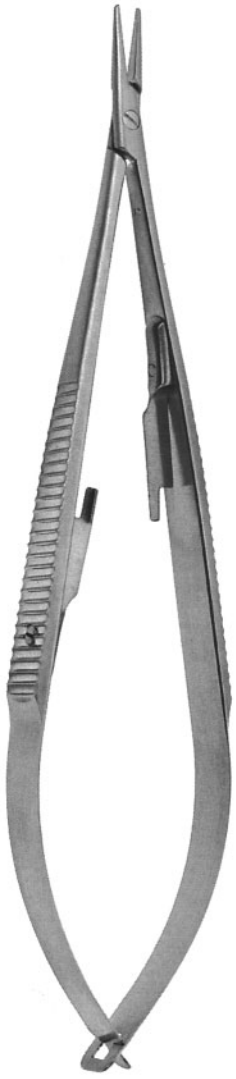




ME 240.15
150mm / 6”

	**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*	





ME 210.14
150mm / 6”



CASTROVIEJO	AE 208.14 140mm / 5½”	Maul 1mm, gerade, ohne Sperre *Jaws 1mm, straight, without ratchet* Morso 1mm, retto, senza cremagl. *Boca 1mm, recta, sin cremallera*	T
JACOBSON	AE 208.16 160mm / 6¼” AE 208.18 180mm / 7” AE 208.21 210mm / 8¼”		



CASTROVIEJO	AE 209.14 140mm / 5½”	Maul 1mm, gebogen, ohne Sperre *Jaws 1mm, curved, without ratchet* Morso 1mm, curvo, senza cremagl. *Boca 1mm, curva, sin cremallera*	T
JACOBSON	AE 209.16 160mm / 6¼” AE 209.18 180mm / 7” AE 209.21 210mm / 8¼”		



CASTROVIEJO	AE 210.14 140mm / 5½”	Maul 1mm, gerade, mit Sperre *Jaws 1mm, straight, with ratchet* Morso 1mm, retto, con cremagl. *Boca 1mm, recta, con cremallera*	T
JACOBSON	AE 210.16 160mm / 6¼” AE 210.18 180mm / 7” AE 210.21 210mm / 8¼”		



CASTROVIEJO	AE 211.14 140mm / 5½”	Maul 1mm, gebogen, mit Sperre *Jaws 1mm, curved, with ratchet* Morso 1mm, curvo, con cremagl. *Boca 1mm, curva, con cremallera*	T
JACOBSON	AE 211.16 160mm / 6¼” AE 211.18 180mm / 7” AE 211.21 210mm / 8¼”		





ME 210D18
180mm / 7”



CASTROVIEJO



JACOBSON

AE 208D14
140mm / 5½”
AE 208D16
160mm / 6¼”
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



JACOBSON

AE 209D14
140mm / 5½”
AE 209D16
160mm / 6¼”
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



JACOBSON

AE 210D14
140mm / 5½”
AE 210D16
160mm / 6¼”
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



JACOBSON

AE 211D14
140mm / 5½”
AE 211D16
160mm / 6¼”
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





ME 218.18
180mm / 7”



CASTROVIEJO	AE 218.14 140mm / 5½”	TC glatt, gerade, ohne Sperre *TC smooth, straight, without ratchet* TC liscio, retto, senza cremagliera *TC lisa, recta, sin cremallera*	
JACOBSON	AE 218.16 160mm / 6¼” AE 218.18 180mm / 7” AE 218.21 210mm / 8¼”		





CASTROVIEJO	AE 219.14 140mm / 5½”	TC glatt, gebogen, ohne Sperre *TC smooth, curved, without ratchet* TC liscio, curvo, senza cremagliera *TC lisa, curva, sin cremallera*	
JACOBSON	AE 219.16 160mm / 6¼” AE 219.18 180mm / 7” AE 219.21 210mm / 8¼”		





CASTROVIEJO	AE 220.14 140mm / 5½”	TC glatt, gerade, mit Sperre *TC smooth, straight, with ratchet* TC liscio, retto, con cremagliera *TC lisa, recta, con cremallera*	
JACOBSON	AE 220.16 160mm / 6¼” AE 220.18 180mm / 7” AE 220.21 210mm / 8¼”		





CASTROVIEJO	AE 221.14 140mm / 5½”	TC glatt, gebogen, mit Sperre *TC smooth, curved, with ratchet* TC liscio, curvo, con cremagliera *TC lisa, curva, con cremallera*	
JACOBSON	AE 221.16 160mm / 6¼” AE 221.18 180mm / 7” AE 221.21 210mm / 8¼”		





ME 224.18
180mm / 7”



CASTROVIEJO	AE 222.14 140mm / 5½” AE 222.16 160mm / 6¼” AE 222.18 180mm / 7” AE 222.21 210mm / 8¼”	TC gerieft, gerade, ohne Sperre *TC serrated, straight, without ratchet* TC zigrinato, retto, senza cremagl. *TC estriada, recta, sin cremallera*
JACOBSON		



CASTROVIEJO	AE 223.14 140mm / 5½” AE 223.16 160mm / 6¼” AE 223.18 180mm / 7” AE 223.21 210mm / 8¼”	TC gerieft, gebogen, ohne Sperre *TC serrated, curved, without ratchet* TC zigrinato, curvo, senza cremagl. *TC estriada, curva, sin cremallera*
JACOBSON		



CASTROVIEJO	AE 224.14 140mm / 5½” AE 224.16 160mm / 6¼” AE 224.18 180mm / 7” AE 224.21 210mm / 8¼”	TC gerieft, gerade, mit Sperre *TC serrated, straight, with ratchet* TC zigrinato, retto, con cremagliera *TC estriada, recta, con cremallera*
JACOBSON		



CASTROVIEJO	AE 225.14 140mm / 5½” AE 225.16 160mm / 6¼” AE 225.18 180mm / 7” AE 225.21 210mm / 8¼”	TC gerieft, gebogen, mit Sperre *TC serrated, curved, with ratchet* TC zigrinato, curvo, con cremagliera *TC estriada, curva, con cremallera*
JACOBSON		





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*



ME 270.21
210mm / 8¼”



ME 270.21
210mm / 8¼”
ME 270.23
230mm / 9”

Maul 1mm, gerade, ohne Sperre
Jaws 1mm, straight, without ratchet
Morso 1mm, retto, senza cremagliera
Boca 1mm, recta, sin cremallera



ME 271.21
210mm / 8¼”
ME 271.23
230mm / 9”

Maul 1mm, gebogen, ohne Sperre
Jaws 1mm, curved, without ratchet
Morso 1mm, curvo, senza cremagliera
Boca 1mm, curva, sin cremallera



ME 272.21
210mm / 8¼”
ME 272.23
230mm / 9”

Maul 1mm, gerade, mit Sperre
Jaws 1mm, straight, with ratchet
Morso 1mm, retto, con cremagliera
Boca 1mm, recta, con cremallera



ME 273.21
210mm / 8¼”
ME 273.23
230mm / 9”

Maul 1mm, gebogen, mit Sperre
Jaws 1mm, curved, with ratchet
Morso 1mm, curvo, con cremagliera
Boca 1mm, curva, con cremallera





ME 270D21
210mm / 8¼”
ME 270D23
230mm / 9”

Maul 1mm, gerade, ohne Sperre
Jaws 1mm, straight, without ratchet
Morso 1mm, retto, senza cremagliera
Boca 1mm, recta, sin cremallera





ME 271D21
210mm / 8¼”
ME 271D23
230mm / 9”

Maul 1mm, gebogen, ohne Sperre
Jaws 1mm, curved, without ratchet
Morso 1mm, curvo, senza cremagliera
Boca 1mm, curva, sin cremallera





ME 272D21
210mm / 8¼”
ME 272D23
230mm / 9”

Maul 1mm, gerade, mit Sperre
Jaws 1mm, straight, with ratchet
Morso 1mm, retto, con cremagliera
Boca 1mm, recta, con cremallera





ME 273D21
210mm / 8¼”
ME 273D23
230mm / 9”

Maul 1mm, gebogen, mit Sperre
Jaws 1mm, curved, with ratchet
Morso 1mm, curvo, con cremagliera
Boca 1mm, curva, con cremallera

Mikro TC-Nadelhalter, bajonett
Micro TC-Needle-Holder, bayonet
Micro TC-Portaghi, baionetta
Micro TC-Porta-Agujas, bayoneta



ME 274.21
210mm / 8¼”



ME 274.21
210mm / 8¼”
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 / 8¼”
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 / 8¼”
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 / 8¼”
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 / 8¼”
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 / 8¼”
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 / 8¼”
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 / 8¼”
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



AE 318.18
180mm / 7”



JACOBSON	AE 318.16 160mm / 6½”	gerade, ohne Sperre *straight, without ratchet* retto, senza cremagliera *recta, sin cremallera*
JACOBSON	AE 318.18 180mm / 7”	
YASARGIL	AE 320.23 230mm / 9”	



JACOBSON	AE 319.16 160mm / 6½”	gebogen, ohne Sperre *curved, without ratchet* curva, senza cremagliera *curva, sin cremallera*
JACOBSON	AE 319.18 180mm / 7”	
YASARGIL	AE 321.23 230mm / 9”	



JACOBSON	AE 318.66 160mm / 6½”	gerade, mit Sperre *straight, with ratchet* retto, con cremagliera *recta, con cremallera*
JACOBSON	AE 318.68 180mm / 7”	
YASARGIL	AE 320.73 230mm / 9”	



JACOBSON	AE 319.66 160mm / 6½”	gebogen, mit Sperre *curved, with ratchet* curva, con cremagliera *curva, con cremallera*
JACOBSON	AE 319.68 180mm / 7”	
YASARGIL	AE 321.73 230mm / 9”	



JACOBSON	AE 318D16 160mm / 6½”	gerade, ohne Sperre *straight, without ratchet* retto, senza cremagliera *recta, sin cremallera*
JACOBSON	AE 318D18 180mm / 7”	
YASARGIL	AE 320D23 230mm / 9”	



JACOBSON	AE 319D16 160mm / 6½”	gebogen, ohne Sperre *curved, without ratchet* curva, senza cremagliera *curva, sin cremallera*
JACOBSON	AE 319D18 180mm / 7”	
YASARGIL	AE 321D23 230mm / 9”	



JACOBSON	AE 318D66 160mm / 6½”	gerade, mit Sperre *straight, with ratchet* retto, con cremagliera *recta, con cremallera*
JACOBSON	AE 318D68 180mm / 7”	
YASARGIL	AE 320D73 230mm / 9”	



JACOBSON	AE 319D66 160mm / 6½”	gebogen, mit Sperre *curved, with ratchet* curva, con cremagliera *curva, con cremallera*
JACOBSON	AE 319D68 180mm / 7”	
YASARGIL	AE 321D73 230mm / 9”	



Mikro TC-Nadelhalter, bajonett
Micro TC-Needle-Holder, bayonet
Micro 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*



ME 260.22
220mm / 8¾”

YASARGIL	ME 260.20 200mm / 8” ME 260.22 220mm / 8¾” ME 260.24 240mm / 9½”	spitz 0,4mm, gerade *pointed 0,4mm, straight* acuta 0,4mm, retto *aguda 0,4mm, recta*	
YASARGIL	ME 261.20 200mm / 8” ME 261.22 220mm / 8¾” ME 261.24 240mm / 9½”	spitz 0,4mm, gebogen *pointed 0,4mm, curved* acuta 0,4mm, curvo *aguda 0,4mm, curva*	
YASARGIL	ME 262.20 200mm / 8” ME 262.22 220mm / 8¾” ME 262.24 240mm / 9½”	stumpf 0,9mm, gerade *blunt 0,9mm, straight* smussa 0,9mm, retto *roma 0,9mm, recta*	
YASARGIL	ME 263.20 200mm / 8” ME 263.22 220mm / 8¾” ME 263.24 240mm / 9½”	stumpf 0,9mm, gebogen *blunt 0,9mm, curved* smussa 0,9mm, curvo *roma 0,9mm, curva*	
YASARGIL	ME 260D20 200mm / 8” ME 260D22 220mm / 8¾” ME 260D24 240mm / 9½”	spitz 0,4mm, gerade *pointed 0,4mm, straight* acuta 0,4mm, retto *aguda 0,4mm, recta*	
YASARGIL	ME 261D20 200mm / 8” ME 261D22 220mm / 8¾” ME 261D24 240mm / 9½”	spitz 0,4mm, gebogen *pointed 0,4mm, curved* acuta 0,4mm, curvo *aguda 0,4mm, curva*	
YASARGIL	ME 262D20 200mm / 8” ME 262D22 220mm / 8¾” ME 262D24 240mm / 9½”	stumpf 0,9mm, gerade *blunt 0,9mm, straight* smussa 0,9mm, retto *roma 0,9mm, recta*	
YASARGIL	ME 263D20 200mm / 8” ME 263D22 220mm / 8¾” ME 263D24 240mm / 9½”	stumpf 0,9mm, gebogen *blunt 0,9mm, curved* smussa 0,9mm, curvo *roma 0,9mm, curva*	



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
curva hacia arriba



MA 061.18
180mm / 7”

aufgebogen, fein
curved up, delicate
curva verso l’alto, fine
curva hacia arriba, fina



MA 052.18
180mm / 7”

rechts gebogen
curved right
curva a destra
curva hacia derecha



MA 062.18
180mm / 7”

rechts gebogen, fein
curved right, delicate
curva a destra, fine
curva hacia derecha, fina



MA 053.18
180mm / 7”

links gebogen
curved left
curva a sinistra
curva hacia izquierda



MA 063.18
180mm / 7”

links gebogen, fein
curved left, delicate
curva a sinistra, fine
curva hacia 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
curva hacia arriba, horizontal



MA 065.18
180mm / 7”

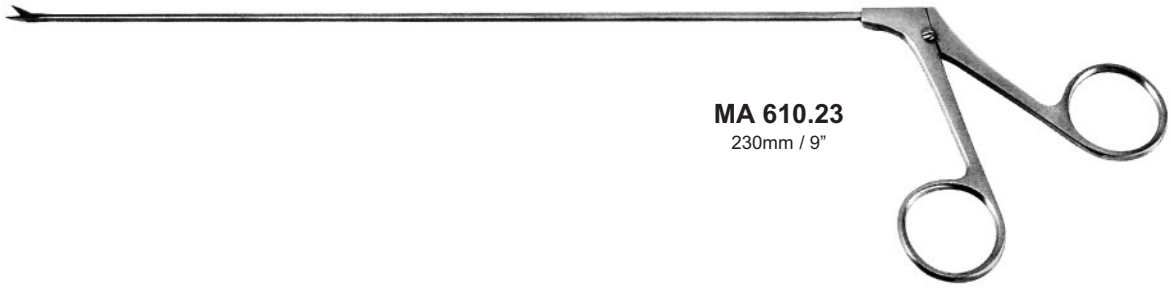
aufgebogen, horizontal, fein
curved up, horizontal, delicate
curva verso l’alto, orizzontale, fine
curva hacia arriba, horizontal, fina



MA 056.18
180mm / 7”

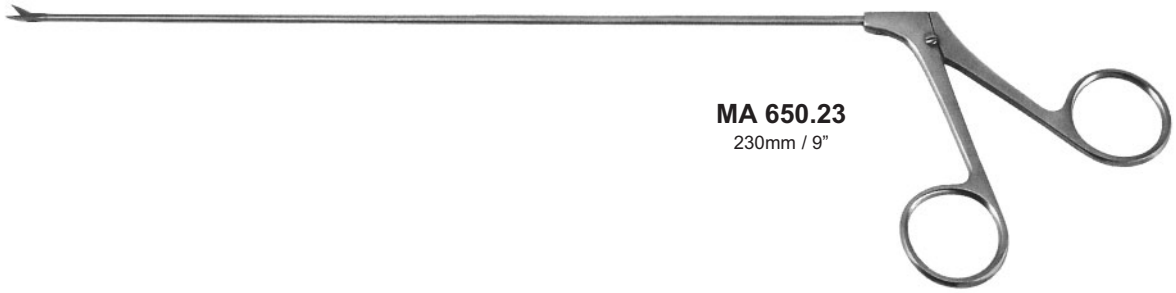
gerade, 8mm
straight, 8mm
retta, 8mm
recta, 8mm

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”

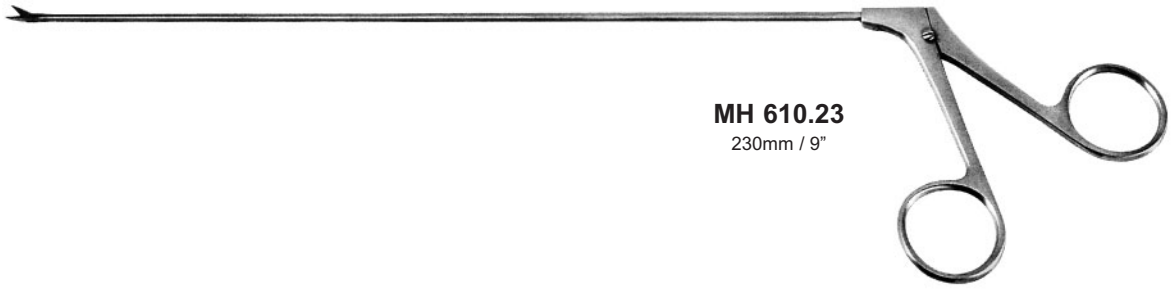
	**OPPEL**	MA 610.16 160mm / 6¼”	gerade, für Akustikusneurinom *straight, for Acoustic Neurinoma* retta, per Acoustic Neurinoma *recta, per Acoustic Neurinoma*
	**KLEIN-SASSER**	MA 610.23 230mm / 9”	gerade *straight* retta *recta*
	**KLEIN-SASSER**	MA 611.23 230mm / 9”	aufgebogen *curved up* curva verso l’alto *curva hacia arriba*
	**KLEIN-SASSER**	MA 612.23 230mm / 9”	rechts gebogen *curved right* curva a destra *curva hacia derecha*
	**KLEIN-SASSER**	MA 613.23 230mm / 9”	links gebogen *curved left* curva a sinistra *curva hacia 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 *curva hacia arriba, horizontal*



MA 650.23
230mm / 9”

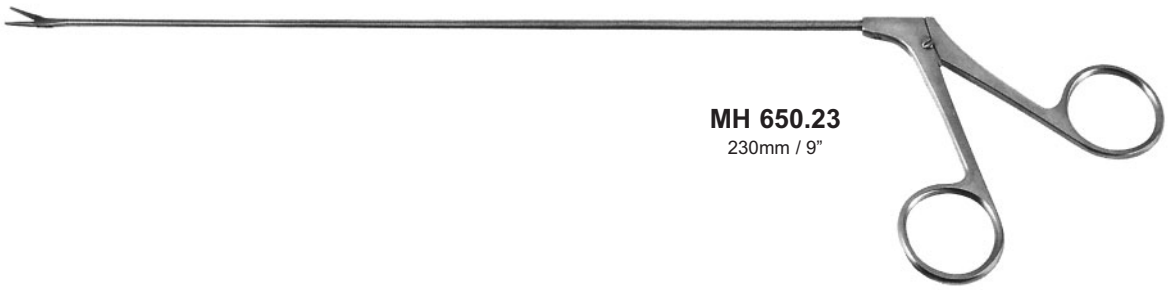
	**KLEIN-SASSER**	MA 650.23 230mm / 9”	gerade *straight* retta *recta*
	**KLEIN-SASSER**	MA 651.23 230mm / 9”	aufgebogen *curved up* curva verso l’alto *curva hacia arriba*
	**KLEIN-SASSER**	MA 652.23 230mm / 9”	rechts gebogen *curved right* curva a destra *curva hacia derecha*
	**KLEIN-SASSER**	MA 653.23 230mm / 9”	links gebogen *curved left* curva a sinistra *curva hacia 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 *curva hacia arriba, horizontal*
	**KLEIN-SASSER**	MA 656.23 230mm / 9”	15° aufgebogen *15° curved up* 15°curva verso l’alto *15° curva hacia 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”

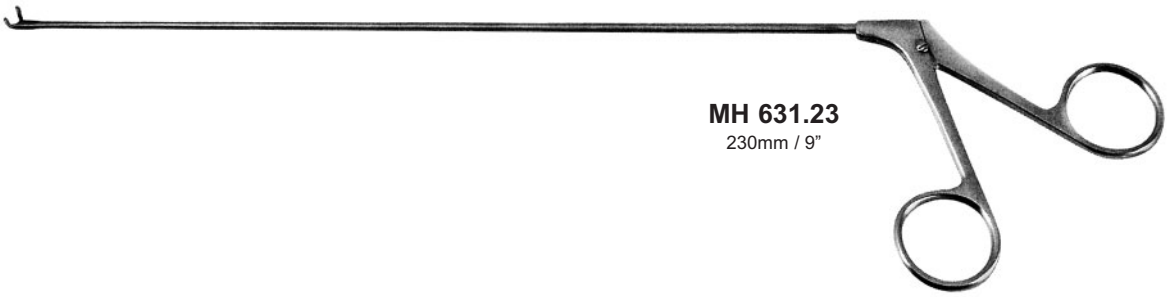
	**OPPEL**	MH 610.16 160mm / 6¼”	gerieft, gerade, für Akustikusneurinom *serrated, str., for Acoustic Neurinoma* zigrinato, retta, per Acoustic Neurin. *estriada, recta, per Acoustic Neurin.*
	**KLEIN-SASSER**	MH 610.23 230mm / 9”	gerieft, gerade *serrated, straight* zigrinato, retta *estriada, recta*
	**KLEIN-SASSER**	MH 611.23 230mm / 9”	gerieft, aufgebogen *serrated, curved up* zigrinato, curva verso l’alto *estriada, curva hacia arriba*
	**KLEIN-SASSER**	MH 612.23 230mm / 9”	gerieft, rechts gebogen *serrated, curved right* zigrinato, curva a destra *estriada, curva hacia derecha*
	**KLEIN-SASSER**	MH 613.23 230mm / 9”	gerieft, links gebogen *serrated, curved left* zigrinato, curva a sinistra *estriada, curva hacia izquierda*
	**KLEIN-SASSER**	MH 614.23 230mm / 9”	Alligator, gerade *Alligator, straight* Alligator, retta *Alligator, recta*
	**KLEIN-SASSER**	MH 615.23 230mm / 9”	Alligator, aufgebogen *Alligator, curved up* Alligator, curva verso l’alto *Alligator, curva hacia arriba*
	**KLEIN-SASSER**	MH 616.23 230mm / 9”	Alligator, rechts gebogen *Alligator, curved right* Alligator, curva a destra *Alligator, curva hacia derecha*
	**KLEIN-SASSER**	MH 617.23 230mm / 9”	Alligator, links gebogen *Alligator, curved left* Alligator curva a sinistra *Alligator, curva hacia izquierda*
	**KLEIN-SASSER**	MH 618.23 230mm / 9”	Herzform, aufgebogen, 45° rechts *Heart shape, angled up, 45° right* Forma di cuorre, cv.vs l’alto, 45° dx *Forma corazón, cv.hc arriba, 45° der.*
	**KLEIN-SASSER**	MH 619.23 230mm / 9”	Herzform, aufgebogen, 45° links *Heart shape, angled up, 45° left* Forma di cuorre, cv.vs l’alto, 45° sx *Forma corazón, cv.hc arriba, 45° izq.*



MH 650.23
230mm / 9”

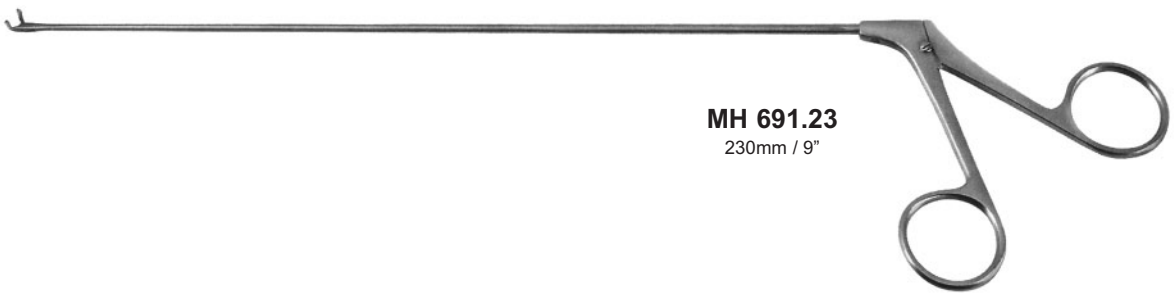
	**KLEIN-SASSER**	MH 650.23 230mm / 9”	Alligator, gerade *Alligator, straight* Alligator, retta *Alligator, recta*
	**KLEIN-SASSER**	MH 651.23 230mm / 9”	Alligator, aufgebogen *Alligator, curved up* Alligator, curva verso l’alto *Alligator, curva hacia arriba*
	**KLEIN-SASSER**	MH 652.23 230mm / 9”	Alligator, rechts gebogen *Alligator, curved right* Alligator, curva a destra *Alligator, curva hacia derecha*
	**KLEIN-SASSER**	MH 653.23 230mm / 9”	Alligator, links gebogen *Alligator, curved left* Alligator curva a sinistra *Alligator, curva hacia 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 *curva hacia arriba, horizontal*
	**KLEIN-SASSER**	MH 656.23 230mm / 9”	Herzform, gerade *Heart shape, straight* Forma di cuorre, retta *Forma corazón, recta*
	**KLEIN-SASSER**	MH 657.23 230mm / 9”	Herzform, aufgebogen *Heart shape, angled up* Forma di cuorre, cv.vs l’alto *Forma corazón, cv.hc arriba*
	**KLEIN-SASSER**	MH 658.23 230mm / 9”	Herzform, aufgebogen, 45° rechts *Heart shape, angled up, 45° right* Forma di cuorre, cv.vs l’alto, 45° dx *Forma corazón, cv.hc arriba, 45° der.*
	**KLEIN-SASSER**	MH 659.23 230mm / 9”	Herzform, aufgebogen, 45° links *Heart shape, angled up, 45° left* Forma di cuorre, cv.vs l’alto, 45° sx *Forma corazón, cv.hc arriba, 45° izq.*
	**KLEIN-SASSER**	MH 660.23 230mm / 9”	Herzform, rechts gebogen *Heart shape, curved right* Forma di cuorre, curva a destra *Forma corazón, curva hacia derecha*
	**KLEIN-SASSER**	MH 661.23 230mm / 9”	Herzform, links gebogen *Heart shape, curved left* Forma di cuorre, curva a sinistra *Forma corazón, curva hacia 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”

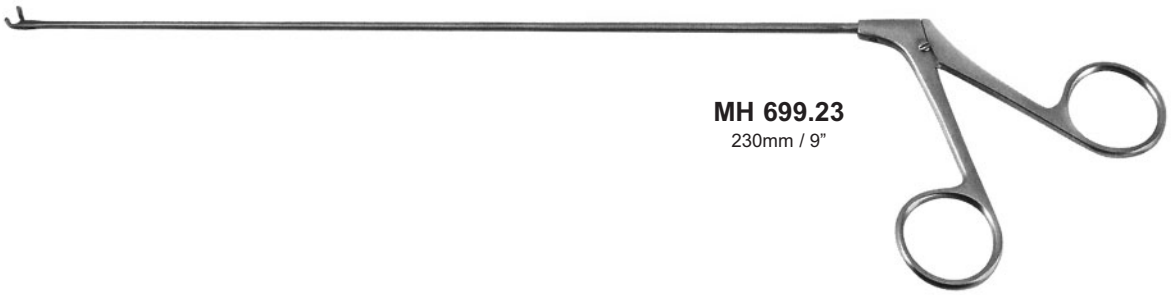
	**OPPEL**	MH 630.16 160mm / 6¼”	gerade, für Akustikusn., 1mm oval *str., for Acoustic Neurin.,* 1mm oval retta, per Acoustic Neur.,1mm ovale *recta, per Acoustic Neur.,*1mm oval
	**KLEIN-SASSER**	MH 630.23 230mm / 9”	gerade, 1mm rund *straight, 1mm round* retta, 1mm rotonda *recta, 1mm redonda*
	**KLEIN-SASSER**	MH 631.23 230mm / 9”	aufgebogen, 1mm rund *curved up, 1mm round* curva verso l’alto, 1mm rotonda *curva hacia arriba, 1mm redonda*
	**KLEIN-SASSER**	MH 632.23 230mm / 9”	rechts gebogen, 1mm rund *curved right, 1mm round* curva a destra, 1mm rotonda *curva hacia derecha, 1mm redonda*
	**KLEIN-SASSER**	MH 633.23 230mm / 9”	links gebogen, 1mm rund *curved left, 1mm round* curva a sinistra, 1mm rotonda *curva hacia izquierda, 1mm redonda*
	**KLEIN-SASSER**	MH 634.23 230mm / 9”	aufgebogen, 45° rechts, 1mm rund *angled up, 45° right, 1mm round* cv.vs l’alto, 45° destra, 1mm rotonda *cv.hc arriba, 45° der., 1mm redonda*
	**KLEIN-SASSER**	MH 635.23 230mm / 9”	aufgebogen, 45° links, 1mm rund *angled up, 45° left, 1mm round* cv.vs l’alto, 45° sinistra, 1mm rotonda *cv.hc arriba, 45° izqu., 1mm redonda*
	**KLEIN-SASSER**	MH 636.23 230mm / 9”	gerade, 1mm oval *straight, 1mm oval* retta, 1mm ovale *recta, 1mm oval*
	**KLEIN-SASSER**	MH 637.23 230mm / 9”	aufgebogen, 1mm oval *curved up, 1mm oval* curva verso l’alto, 1mm ovale *curva hacia arriba, 1mm oval*
	**KLEIN-SASSER**	MH 638.23 230mm / 9”	rechts gebogen, 1mm oval *curved right, 1mm oval* curva a destra, 1mm ovale *curva hacia derecha, 1mm oval*
	**KLEIN-SASSER**	MH 639.23 230mm / 9”	links gebogen, 1mm oval *curved left, 1mm oval* curva a sinistra, 1mm ovale *curva hacia izquierda, 1mm oval*



MH 691.23
230mm / 9”

	**KLEIN-SASSER**	MH 690.23 230mm / 9”	gerade, 2,5mm rund *straight, 2,5mm round* retta, 2,5mm rotonda *recta, 2,5mm redonda*
	**KLEIN-SASSER**	MH 691.23 230mm / 9”	aufgebogen, 2,5mm rund *curved up, 2,5mm round* curva verso l’alto, 2,5mm rotonda *curva hacia arriba, 2,5mm redonda*
	**KLEIN-SASSER**	MH 692.23 230mm / 9”	rechts gebogen, 2,5mm rund *curved right, 2,5mm round* curva a destra, 2,5mm rotonda *curva hacia derecha, 2,5mm redonda*
	**KLEIN-SASSER**	MH 693.23 230mm / 9”	links gebogen, 2,5mm rund *curved left, 2,5mm round* curva a sinistra, 2,5mm rotonda *curva hacia izquierda, 2,5mm redonda*
	**KLEIN-SASSER**	MH 694.23 230mm / 9”	aufgebogen, 45° rechts, 2,5mm rund *angled up, 45° right, 2,5mm round* cv.vs l’alto, 45° destra, 2,5mm rotonda *cv.hc arriba, 45° der., 2,5mm redonda*
	**KLEIN-SASSER**	MH 695.23 230mm / 9”	aufgebogen, 45° links, 2,5mm rund *angled up, 45° left, 2,5mm round* cv.vs l’alto, 45° sinistra, 2,5mm roton. *cv.hc arriba, 45° izqu., 2,5mm redon.*
	**KLEIN-SASSER**	MH 696.23 230mm / 9”	aufgebogen, horizontal, 2,5mm rund *curved up, horizontal, 2,5mm round* cv.vs l’alto, orizzontale, 2,5mm roton. *cv.hc arriba, horizontal, 2,5mm redon.*

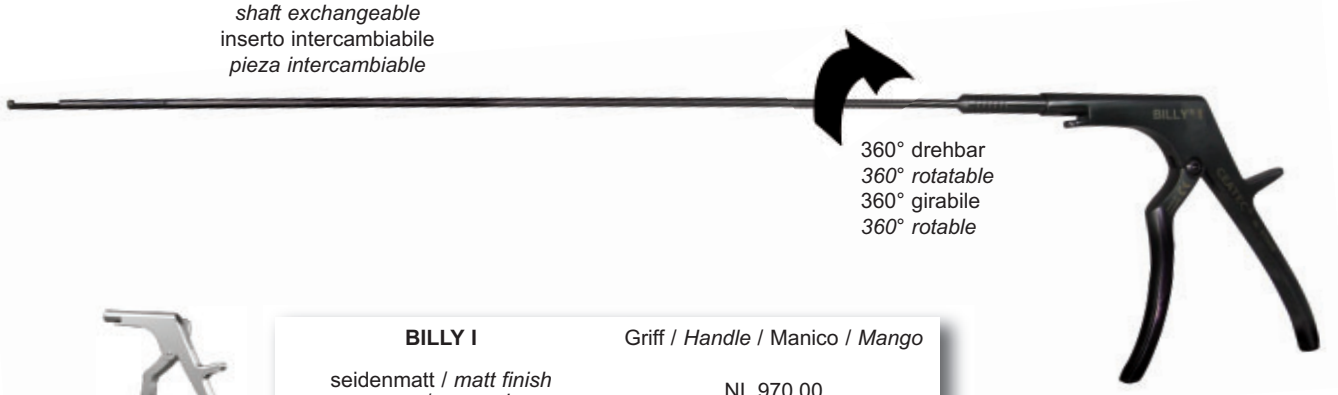
Mikro-Löffelzangen, konisch Ø 3-2mm
Micro cup-shaped Forceps, conical Ø 3-2mm
Micro-Pinza forma di cucchiaio, conica Ø 3-2mm
Micro-Pinza forma cuchara, cónica Ø 3-2mm



MH 699.23
230mm / 9”

	**KLEIN-SASSER**	MH 698.23 230mm / 9”	gerade, 2,5x4mm oval *straight, 2,5x4mm oval* retta, 2,5x4mm ovale *recta, 2,5x4mm oval*
	**KLEIN-SASSER**	MH 699.23 230mm / 9”	aufgebogen 45°, 2,5x4mm oval *curved up 45°, 2,5x4mm oval* cv verso l’alto 45°, 2,5x4mm ovale *cv hacia arriba 45°, 2,5x4mm oval*
	**KLEIN-SASSER**	MH 700.23 230mm / 9”	rechts gebogen, 2,5x4mm oval *curved right, 2,5x4mm oval* curva a destra, 2,5x4mm ovale *curva hacia derecha, 2,5x4mm oval*
	**KLEIN-SASSER**	MH 701.23 230mm / 9”	links gebogen, 2,5x4mm oval *curved left, 2,5x4mm oval* curva a sinistra, 2,5x4mm ovale *curva hacia izquierda, 2,5x4mm oval*
	**KLEIN-SASSER**	MH 702.23 230mm / 9”	spitz, aufgebogen 45°, 2,5x4mm oval *pointed, angled up 45°, 2,5x4mm oval* acuta, cv.vs l’alto 45°, 2,5x4mm ovale *aguda, cv.hc arriba 45°, 2,5x4mm ov.*
	**KLEIN-SASSER**	MH 703.23 230mm / 9”	spitz, aufgeb. rechts, 2,5x4mm oval *pointed, angled up right, 2,5x4mm ov.* acuta, cv.vs l’alto dx, 2,5x4mm ovale *aguda, cv.hc arriba der., 2,5x4mm ov.*
	**KLEIN-SASSER**	MH 704.23 230mm / 9”	spitz, aufgebogen links, 2,5x4mm ov. *pointed, angled up left, 2,5x4mm ov.* acuta, cv.vs l’alto sx, 2,5x4mm ovale *aguda, cv.hc arriba izq., 2,5x4mm ov.*
	**KLEIN-SASSER**	MH 705.23 230mm / 9”	gefenstert, aufgeb., 2,5x5mm oval *fenestrated, curved up, 2,5x5mm oval* finestrato, cv.vs l’alto, 2,5x5mm ovale *ventanilla, cv.hc arriba, 2,5x5mm oval*

wechselbarer Schaft
shaft exchangeable
inserto intercambiabile
pieza intercambiable

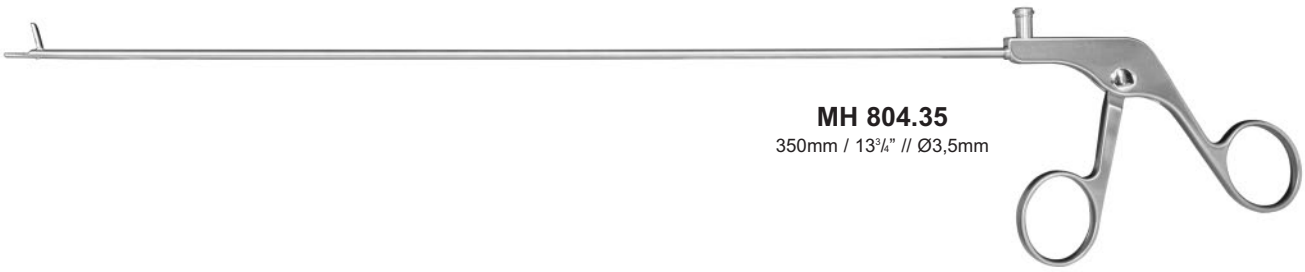


360° drehbar
360° rotatable
360° girabile
360° rotable



BILLY I	Griff / *Handle* / Manico / *Mango*
seidenmatt / *matt finish* opaco / *apagado*	NL 970.00
schwarz / *black coated* / superficie nera / *recubrir negro*	NL 970B00

BILLY I	Laminektomiestanze, 360° drehbar, wechselbarer Schaft *Laminectomy Punch, 360° rotable, shaft exchangeable* Pinza Laminectomia, 360° girevole, inserto intercambiabile *Pinza Osteótomo, 360° rotable, pieza intercambiable*	
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	36cm seidenmatt / *matt finish* opaco / *apagado*	36cm schwarz / *black coated* / superficie nera / *recubrir negro*
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 / 13¾" // Ø3,5mm



MH 802.35
350mm / 13¾" // Ø3,5mm
Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm

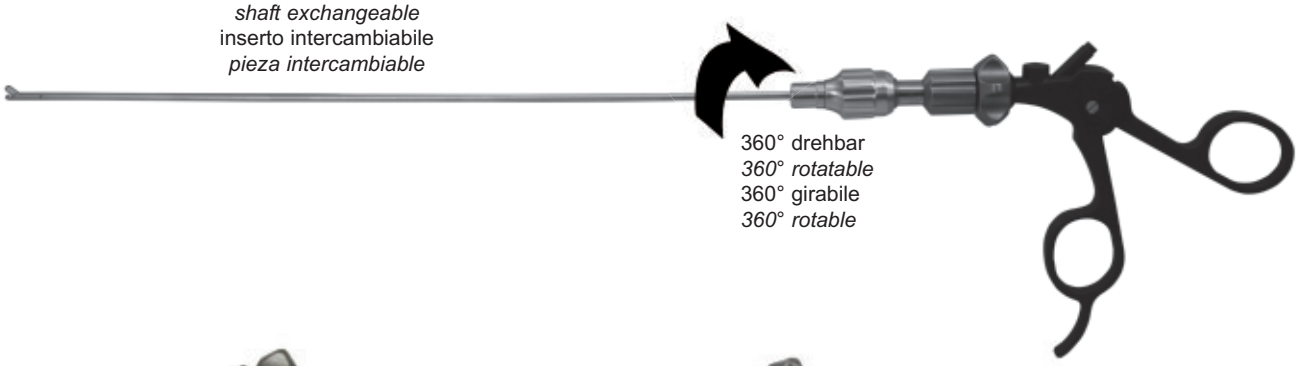


MH 804.35
350mm / 13¾" // Ø3,5mm
Fasszange
Grasping Forceps
Pinza
Pinza



MA 800.35
350mm / 13¾" // Ø3,5mm
Hakenschere
Scissor
Forbici
Tijera

wechselbarer Schaft
shaft exchangeable
inserto intercambiabile
pieza intercambiable



360° drehbar
360° rotatable
360° girabile
360° rotable



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

abwinkelbar
can be angled
angolabile
angular



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

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, aspiratione e lavaggio
Optic para neuro cirugía 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 *Largo*	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 *Largo*	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

CEATEC MEDIZINTECHNIK

Strumenti per neurochirurgia
Instrumental para neurocirugía





TOENNIS
NA 806.13
130mm / 5⅛”



TOENNIS
NA 806.19
190mm / 7½”



HALLE
NA 810.20
200mm / 8”

Gefäßmesser
Vessel Knife
Coltello per vasi
Cuchillo per vasos



JACOBSON
NA 910.19
190mm / 7½”

Skalpellgriff für mikrochirurgische Klingen
Scalpel handle for microsurgery blades
Manico per bisturi micro
Mango de bisturíes micro



NA 912.13
130mm / 5¼”



NA 912.15
150mm / 6”

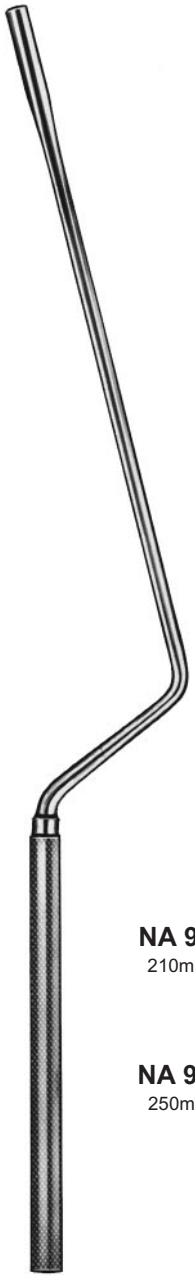


CASPAR
NA 912.18
180mm / 7”



NA 912.20
200mm / 8”

Mikrochirurgische Klingen
Microsurgery blades
Lame da bisturi micro
Hojas de bisturíes micro



NA 913.21
210mm / 8¼”

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



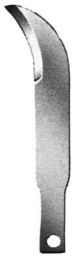
NA 912.65
No.65



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 bisturíes Fig. 10-17

vertikal
vertical
verticale
vertical

NA 914.01
210mm / 8¼”

NA 914.11
240mm / 9½”



HARDY
NA 914.01 - NA 914.11

horizontal
horizontal
orizzontale
horizontal

NA 914.02
210mm / 8¼”

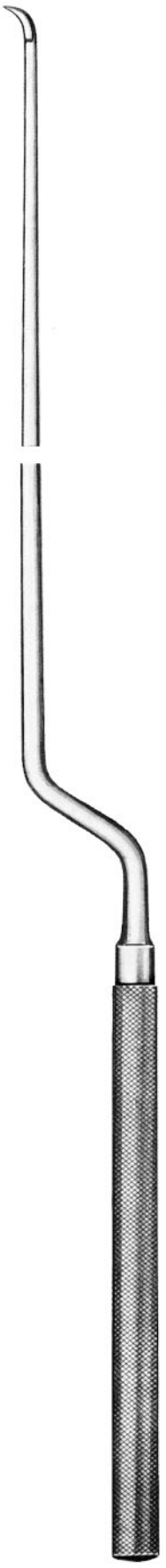
NA 914.12
240mm / 9½”



HARDY
NA 914.02 - NA 914.12

Sichelmesser
Sickle Knifes
Coltello falcato come sinecchia
Cuchillo en forma de hoz





NA 842.01
240mm / 9½”



NA 842.01 240mm / 9½”	aufwärts gebogen *curved up* curva verso l’alto *curva hacia arriba*



NA 842.02 240mm / 9½”	abwärts gebogen *curved down* curva verso il basso *curva hacia abajo*



NA 842.03 240mm / 9½”	rechts gebogen *curved right* curva a destra *curva hacia derecha*



NA 842.04 240mm / 9½”	links gebogen *curved left* curva a sinistra *curva hacia izquierda*



NA 915.02
185mm / 7¼”



KOOS	NA 915.01 185mm / 7¼”	aufwärts gebogen *curved up* curva verso l’alto *curva hacia arriba*



KOOS	NA 915.02 185mm / 7¼”	abwärts gebogen *curved down* curva verso il basso *curva hacia abajo*



KOOS	NA 915.03 185mm / 7¼”	aufwärts gebogen *curved up* curva verso l’alto *curva hacia arriba*



KOOS	NA 915.04 185mm / 7¼”	abwärts gebogen *curved down* curva verso il basso *curva hacia abajo*



KOOS	NA 915.05 185mm / 7¼”	aufwärts gebogen *curved up* curva verso l’alto *curva hacia arriba*



KOOS	NA 915.06 185mm / 7¼”	abwärts gebogen *curved down* curva verso il basso *curva hacia abajo*



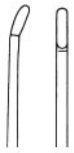
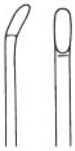
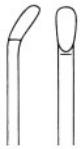
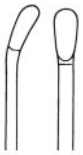
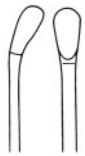
YASARGIL	NA 915.21 185mm / 7¼”	aufwärts gebogen *curved up* curva verso l’alto *curva hacia arriba*



YASARGIL	NA 915.22 185mm / 7¼”	abwärts gebogen *curved down* curva verso il basso *curva hacia abajo*

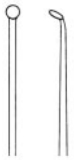


NA 916.07
200mm / 8”

	**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



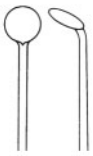
NA 917.16
230mm / 9”



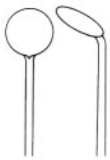
SAMII	NA 917.03 200mm / 8” NA 917.13 230mm / 9”	Ø1,5mm	



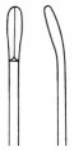
SAMII	NA 917.06 200mm / 8” NA 917.16 230mm / 9”	Ø3,0mm	



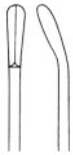
SAMII	NA 917.09 200mm / 8” NA 917.19 230mm / 9”	Ø4,5mm	



SAMII	NA 917.22 200mm / 8” NA 917.32 230mm / 9”	Ø6,0mm	



SAMII	NA 917.64 230mm / 9”	1,8mm, Lanzettenmesser *1,8mm, Lancet knive* 1,8mm, Coltello a lancetta *1,8mm, Cuchillo lanceolar*	



SAMII	NA 917.65 230mm / 9”	2,5mm, Lanzettenmesser *2,5mm, Lancet knive* 2,5mm, Coltello a lancetta *2,5mm, Cuchillo lanceolar*	



OPPEL	NA 917.84 230mm / 9”	2,0mm, Lanzettenmesser, biegsam *2,0mm, Lancet knive, malleable* 2,0mm, Coltello a lancetta, malleab. *2,0mm, Cuchillo lanceolar, flexible*	



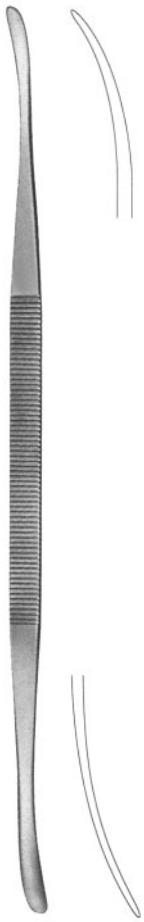




leichtes Modell
light pattern
modello leggero
modelo ligero
ND 679.18
180mm / 7”

kräftiges Modell
heavy pattern
modello grosso
modelo cachas
ND 679.20
200mm / 8”

SWEDISH
ND 679.18
180mm / 7”





3+5mm
ND 680.01
240mm / 9½”



4,5+6mm
ND 680.02
240mm / 9½”

TOENNIS
ND 680.01
240mm / 9½”





mit Öhr, 2+3mm
with eye, 2+3mm
con cruna, 2+3mm
con ojete, 2+3mm
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”



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”

OLIVERCONA
ND 681.18
180mm / 7”

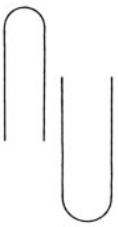




2+3mm
ND 682.18
180mm / 7”



2+3mm
ND 682.24
240mm / 9½”



4+5mm
ND 684.20
200mm / 8”



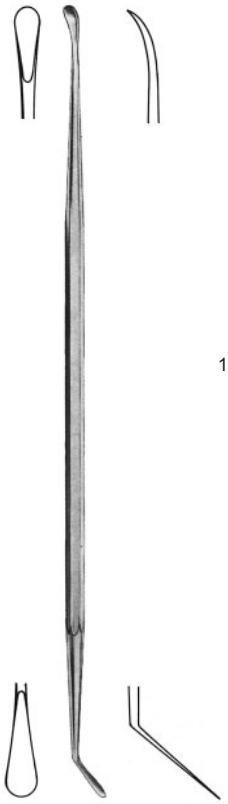
4+5mm
ND 684.24
240mm / 9½”

OLIVERCONA
ND 682.18
180mm / 7”



3mm, scharf
3mm, sharp
3mm, acuto
3mm, agudo

SACHS
ND 685.21
210mm / 8¼”



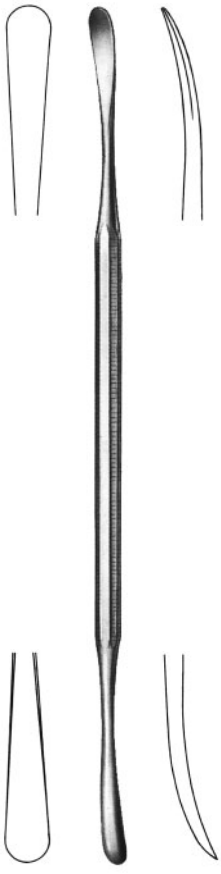
1,5+2mm

MILLIGAN
ND 686.21
210mm / 8¼”



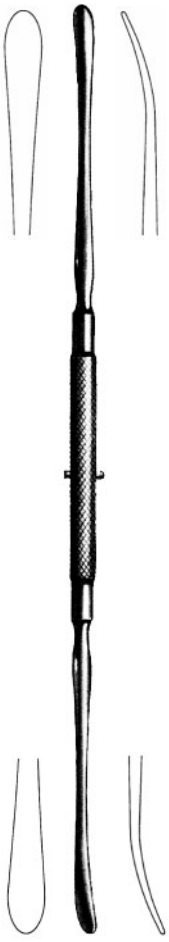
3,5mm, scharf
3,5mm, sharp
3,5mm, acuto
3,5mm, agudo

DAVIS
ND 687.21
210mm / 8¼”



6+6mm

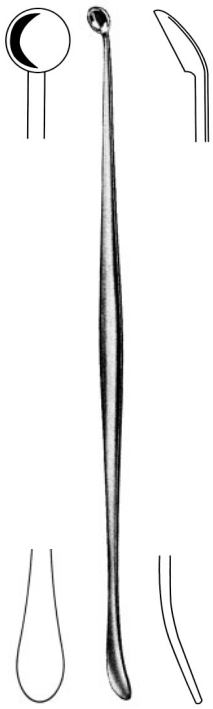
ND 688.22
220mm / 8¾”



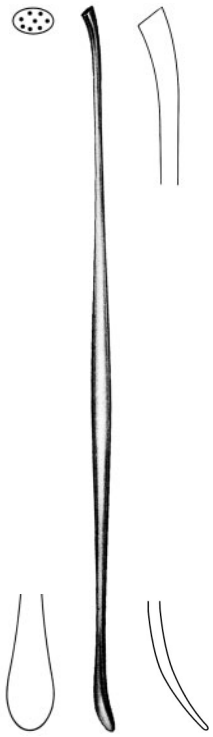
5+5mm

DAVIS
ND 691.24
240mm / 9½”

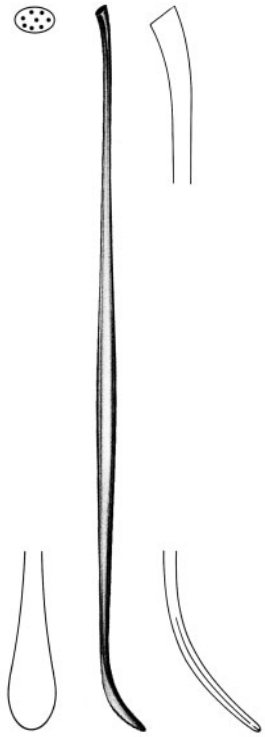




PENFIELD
ND 690.01
170mm / 6⅔”
Fig.1



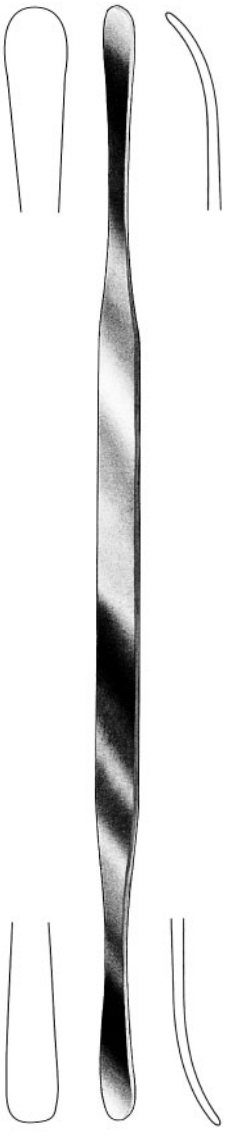
PENFIELD
ND 690.02
190mm / 7½”
Fig.2



PENFIELD
ND 690.03
190mm / 7½”
Fig.3



PENFIELD
ND 690.04
200mm / 8”
Fig.4



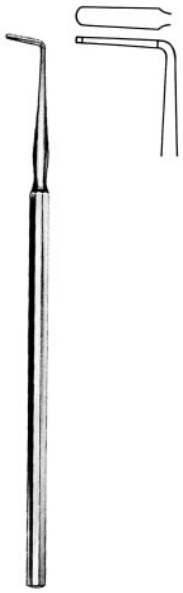
PENFIELD
ND 690.05
290mm / 11½”
Fig.5



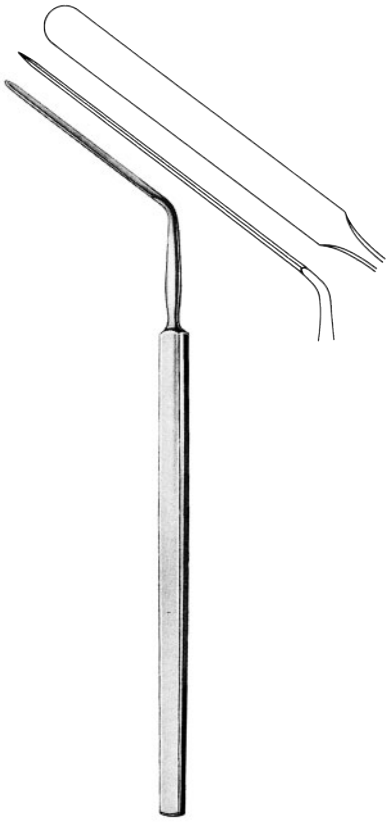
FRAZIER
ND 693.01
160mm / 6¼”



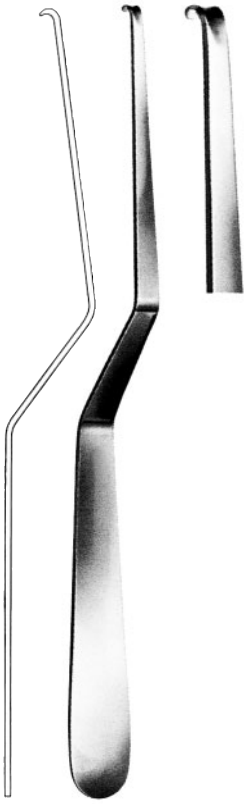
HOEN
ND 693.02
150mm / 6”



HOEN
ND 693.03
150mm / 6”



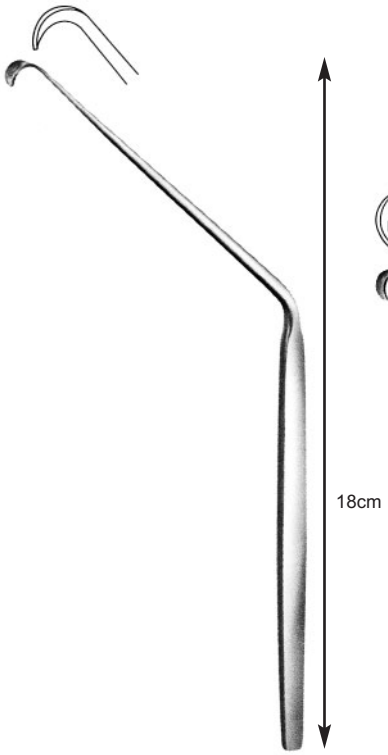
HORSLEY
ND 698.20
200mm / 8”



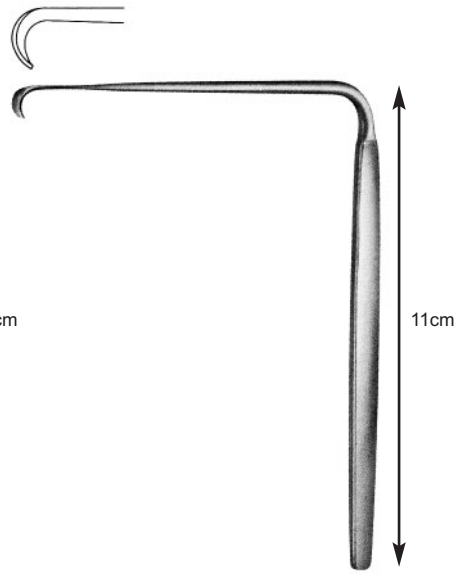
LOVE
ND 692.21
210mm / 8¼”



LOVE
ND 694.19
190mm / 7½”



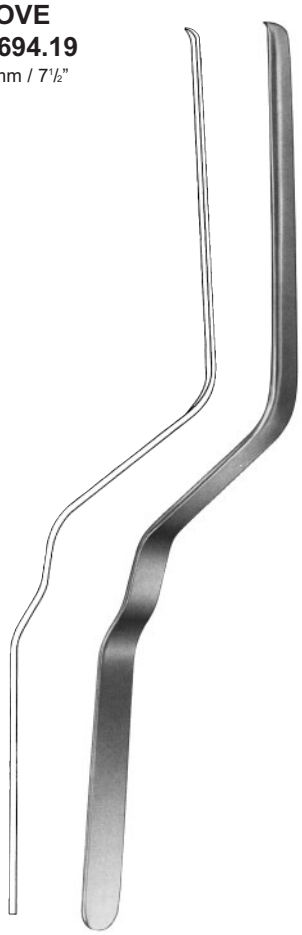
LOVE
ND 695.19
190mm / 7½”



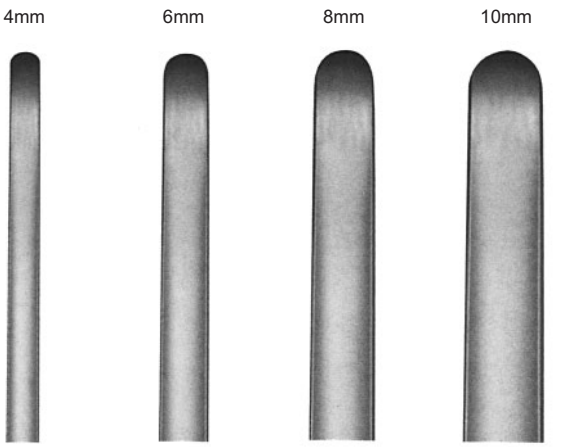
LOVE
ND 697.19
190mm / 7½”



D’ERRICO
ND 699.23
230mm / 9”



CASPAR
ND 701.04 - ND 701.10
240mm / 9½”

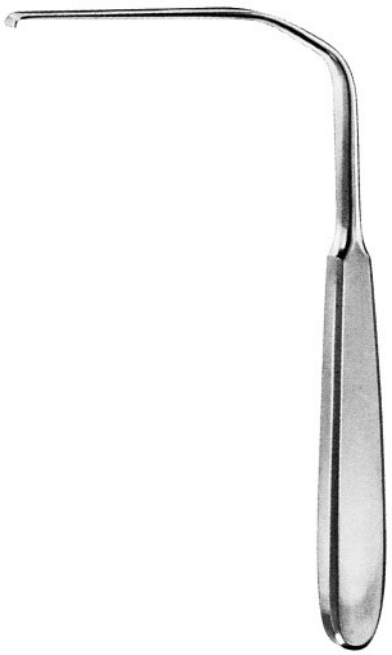


ND 701.04
240mm / 9½”

ND 701.06
240mm / 9½”

ND 701.08
240mm / 9½”

ND 701.10
240mm / 9½”



HESS
ND 723.03 - ND 723.07
180mm / 7”



ND 723.03
180mm / 7”

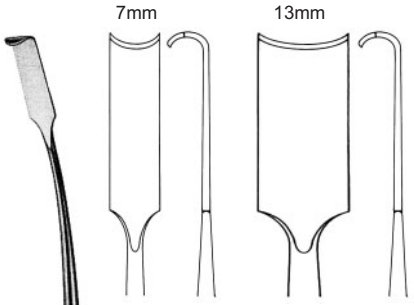
ND 723.04
180mm / 7”

ND 723.05
180mm / 7”

ND 723.07
180mm / 7”

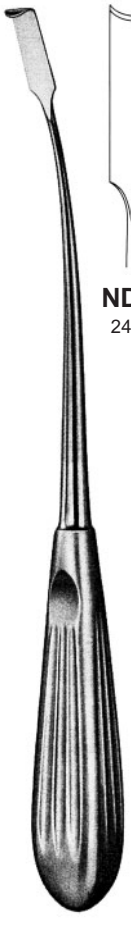


SCOVILLE
ND 724.23
230mm / 9”



ND 725.07
240mm / 9½”

ND 725.13
240mm / 9½”



HOLSHER
ND 725.07 - ND 725.13
240mm / 9½”



SCOVILLE
ND 727.19
190mm / 7½”





CASPAR
ND 750.01
240mm / 9½”



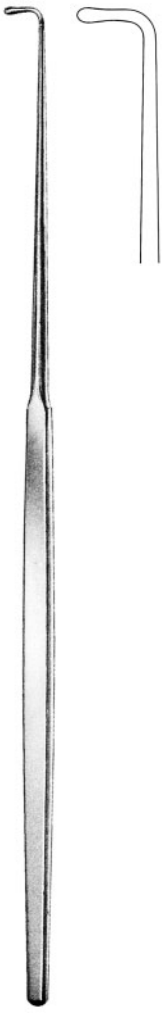
CASPAR
ND 750.02
240mm / 9½”



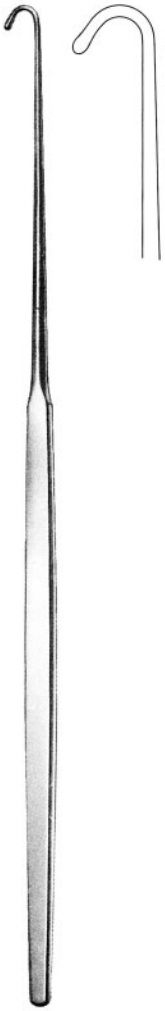
CASPAR
ND 750.03
240mm / 9½”



CASPAR
ND 750.04
240mm / 9½”



GRONINGEN
ND 738.26
260mm / 10¼”



GRONINGEN
ND 740.26
260mm / 10¼”







ND 742.19
190mm / 7½”

ND 744.19
190mm / 7½”

ND 742.28
280mm / 11”

ND 744.28
280mm / 11”

CUSHING
ND 742.19 - ND 744.28



Ganglionhaken
Ganglion Hook
Uncino per ganglio
Gancho para ganglio

CUSHING
ND 745.23
230mm / 9”

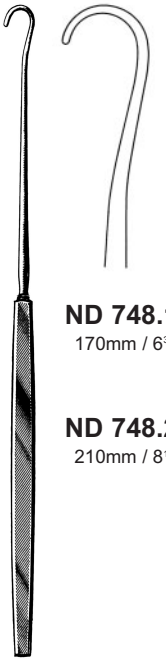






Venenhaken
Vein Hook
Divaricatore per veni
Ganchito para venas

BROM
ND 746.17
170mm / 6¾”



ND 748.17
170mm / 6¾”

ND 748.21
210mm / 8¼”

SMITHWICK
ND 748.17 - ND 748.21

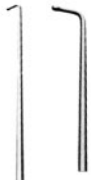


scharf
sharp
acuto
agudo

EIF
ND 756.24
240mm / 9½”



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”

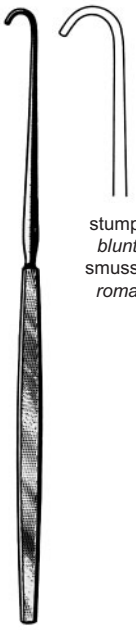
ND 771.20 - ND 773.20
200mm / 8”



ADSON
ND 821.20
200mm / 8”



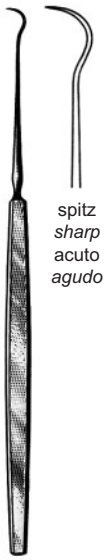
ADSON
ND 823.20
200mm / 8”



GRAHAM
ND 825.16
160mm / 6¼”



SACHS
ND 827.18
180mm / 7”



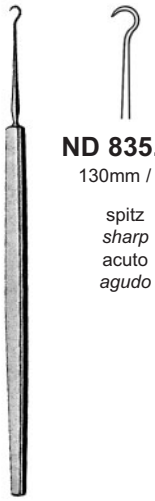
TOENNIS
ND 829.15
150mm / 6”



CLOWARD
ND 831.16
160mm / 6¼”



CUSHING
ND 833.14
140mm / 5½”



ND 835.13
130mm / 5”

spitz
sharp
acuto
agudo



ND 836.13
130mm / 5”

stumpf
blunt
smussa
roma

FRAZIER
ND 835.13 - ND 836.13
130mm / 5”



CRILE
ND 841.20
200mm / 8”



RHOTON
ND 902.06
190mm / 7½”



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
Gancio 90°/2mm, smusso
Gancho 90°/2mm, romo



RHOTON ND 902.11
190mm / 7½”
Häkchen, 90°/2mm, halbscharf
Hook 90°/2mm, semi-sharp
Gancio 90°/2mm, semi-acuto
Gancho 90°/2mm, semi-aguda



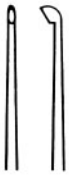
RHOTON ND 902.12
190mm / 7½”
Häkchen, 45°/3mm, halbscharf
Hook 45°/3mm, semi-sharp
Gancio 45°/3mm, semi-acuto
Gancho 45°/3mm, semi-aguda



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





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°, maleables, 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°, maleables, 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°, maleables, 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°, maleables, 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 / 7½”
scharf, gebogen
sharp, curved
acuto, curvo
agudo, curvo



FISCH ND 932.19 190mm / 7½”
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°angolato



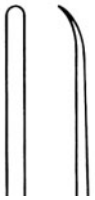
ND 914.05
190mm / 7½”

Mikro-Häkchen, 5mm, 90°gewinkelt
Micro Hook, 5mm, 90° angled
Micro Gancio, 5mm, 90°acodado
Micro Ganchito, 5mm, 90°angolato



ND 914.08
190mm / 7½”

Mikro-Häkchen, 8mm, 90°gewinkelt
Micro Hook, 8mm, 90° angled
Micro Gancio, 8mm, 90°acodado
Micro Ganchito, 8mm, 90°angolato



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
Ganchos para nervios, 5mm, curvo



ND 915.08
190mm / 7½”

Nervhäkchen, 8mm, gebogen
Nerve hook, 8mm, curved
Gancio per nervi, 8mm, curvo
Ganchos para nervios, 8mm, curvo



ND 916.03
190mm / 7½”

Mikro-Umführungsnadeln, 3mm
Micro Ligature Needle, 3mm
Micro Ago per legatura, 3mm
Micro Agujas para ligaduras, 3mm



ND 916.05
190mm / 7½”

Mikro-Umführungsnadeln, 5mm
Micro Ligature Needle, 5mm
Micro Ago per legatura, 5mm
Micro Agujas para ligaduras, 5mm



YASARGIL
ND 916.23
190mm / 7½"



YASARGIL	ND 916.21 190mm / 7½"	Fadenführer geknöpft *Ligature Guides, probe pointed* Guida legatura, bottonuto *Guía-ligadura, abotonada*



YASARGIL	ND 916.22 190mm / 7½"	Fadenführer geknöpft *Ligature Guides, probe pointed* Guida legatura, bottonuto *Guía-ligadura, abotonada*



YASARGIL	ND 916.23 190mm / 7½"	Fadenführer geknöpft *Ligature Guides, probe pointed* Guida legatura, bottonuto *Guía-ligadura, abotonada*



YASARGIL	ND 916.24 190mm / 7½"	Fadenführer geknöpft *Ligature Guides, probe pointed* Guida legatura, bottonuto *Guía-ligadura, abotonada*



KRAYEN-BÜHL	ND 940.01 190mm / 7½"	Nerv- und Gefäßhäkchen *Nerve and Vessel hook* Gancio per nervi e vasi *Ganchos para nervios y vaso*



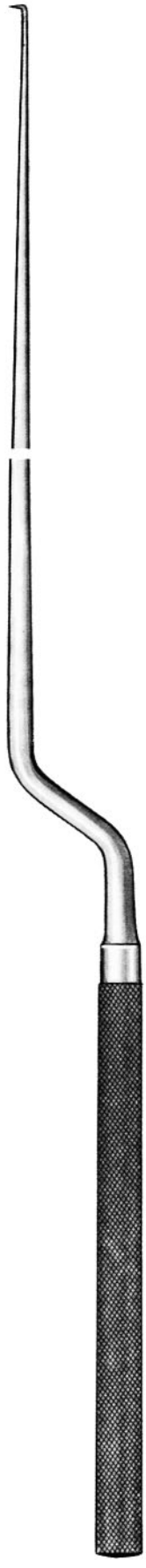
KRAYEN-BÜHL	ND 940.02 190mm / 7½"	Nerv- und Gefäßhäkchen *Nerve and Vessel hook* Gancio per nervi e vasi *Ganchos para nervios y vaso*



KRAYEN-BÜHL	ND 940.03 190mm / 7½"	Nerv- und Gefäßhäkchen *Nerve and Vessel hook* Gancio per nervi e vasi *Ganchos para nervios y vaso*



KRAYEN-BÜHL	ND 940.04 190mm / 7½"	Nerv- und Gefäßhäkchen *Nerve and Vessel hook* Gancio per nervi e vasi *Ganchos para nervios y vaso*



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, curva 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, curva 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. 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. 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, curva 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, curva 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. derecha, 3mm, aboton.



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. izquierda, 3mm, aboto.



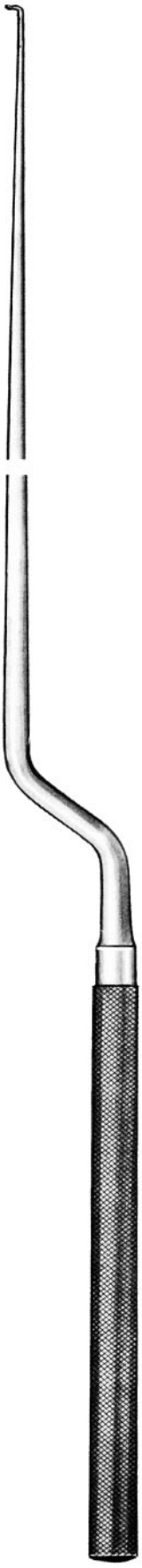
ND 930.16
240mm / 9½”
stumpf, aufgebogen, 30°, 3mm
blunt, angled up, 30°, 3mm
smusso, curvo verso il alto, 30°, 3mm
romo, curva hacia arriba, 30°, 3mm



ND 930.17
240mm / 9½”
stumpf, rechts gebogen, 30°, 3mm
blunt, curved right, 30°, 3mm
smusso, curvo verso destra, 30°, 3mm
romo, curva hacia 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 izquierda, 30°, 3mm



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”	Raspator *Raspatory* Periostotomi *Periostótomos*



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*



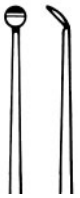
JANNETTA	ND 912.08 190mm / 7½”	Häkchen, 45° gewinkel, mittel *Hook, 45° angular, medium* Gancio, 45° angolato, medio *Gancho, 45° angulado, medio*



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, a la izquierda



JANNETTA ND 912.14 190mm / 7½”
Ligaturnadel, rechts
Ligature carrier, right
Aguja per ligadura, destra
Aguja para ligaduras, a la derecha



JANNETTA ND 912.15 190mm / 7½”
Gabel, 30°, klein
Fork, 30°, small
Forchetta, 30°, picolla
Horquilla, 30°, pequeña



JANNETTA ND 912.16 190mm / 7½”
Gabel, 30°, groß
Fork, 30°, large
Forchetta, 30°, grande
Horquilla, 30°, grande





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 / 7½”	3mm
CASPAR	ND 920.06 210mm / 8¼”	3mm



CASPAR	ND 920.07 230mm / 9”	4,5mm



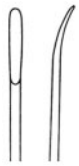
CASPAR
ND 922.07
230mm / 9”



CASPAR	ND 922.01 230mm / 9”	1mm, aufwärts gebogen *1mm, curved up* 1mm, curvo verso il alto *1mm, curvo hacia arriba*



CASPAR	ND 922.02 230mm / 9”	1mm, abwärts gebogen *1mm, curved down* 1mm, curvo verso il basso *1mm, curvo hacia abajo*



CASPAR	ND 922.03 230mm / 9”	1,8mm, aufwärts gebogen *1,8mm, curved up* 1,8mm, curvo verso il alto *1,8mm, curvo hacia arriba*



CASPAR	ND 922.04 230mm / 9”	1,8mm, abwärts gebogen *1,8mm, curved down* 1,8mm, curvo verso il basso *1,8mm, curvo hacia abajo*



CASPAR	ND 922.05 230mm / 9”	2mm, aufwärts gebogen *2mm, curved up* 2mm, curvo verso il alto *2mm, curvo hacia arriba*



CASPAR	ND 922.06 230mm / 9”	2mm, abwärts gebogen *2mm, curved down* 2mm, curvo verso il basso *2mm, curvo hacia abajo*



CASPAR	ND 922.07 230mm / 9”	2mm, rechts gebogen *2mm, curved right* 2mm, curvo destra *2mm, curvo a la derecha*



CASPAR	ND 922.08 230mm / 9”	2mm, links gebogen *2mm, curved left* 2mm, curvo sinistra *2mm, curvo a la izquierda*



CASPAR	ND 922.11 230mm / 9”	4,5mm, aufwärts gebogen *4,5mm, curved up* 4,5mm, curvo verso il alto *4,5mm, curvo hacia arriba*



CASPAR	ND 922.12 230mm / 9”	4,5mm, abwärts gebogen *4,5mm, curved down* 4,5mm, curvo verso il basso *4,5mm, curvo hacia abajo*





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 / 8¾” 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

OKONEK-YASARGIL
ND 918.03
230mm / 9”



BIEMER
NQ 932.16
160mm / 6¼”



BIEMER	NQ 932.16 160mm / 6¼”	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 vaso, 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 vaso, 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 vaso, Ø 1,5mm*



JACOBSON	NQ 952.19 190mm / 7½”	Knopfsonde *Vessel probe with ball tip* Sonda bottonuta per vasi *Sonda abotonada para vascular*



JACOBSON	NQ 954.19 190mm / 7½”	Doppelsonde *Vessel probe with ball tip* Sonda per vasi *Sonda para vascular*





CASPAR
NQ 960.23
230mm / 9”



JACOBSON NQ 960.18
180mm / 7”



CASPAR NQ 962.23
230mm / 9”



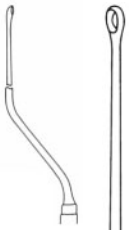
NK 922.45
230mm / 9”



NK 922.23 230mm / 9”	Löffel, 1,5x2mm, scharf *Currete, 1,5x2mm, sharp* Curetta, 1,5x2mm, acuto *Cucharilla, 1,5x2mm, aguda*

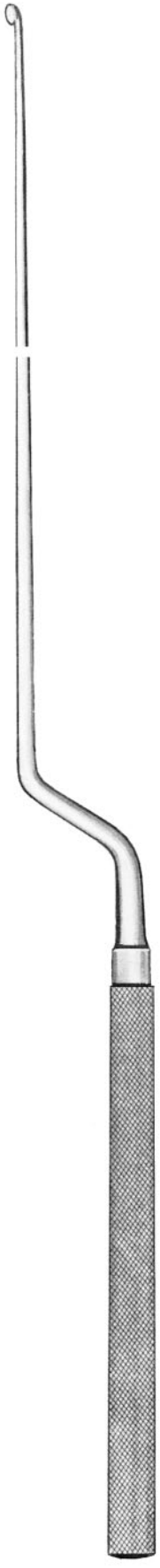


NK 922.45 230mm / 9”	Löffel, 45°/2x3mm, scharf *Currete, 45°/2x3mm, sharp* Curetta, 45°/2x3mm, acuto *Cucharilla, 45°/2x3mm, aguda*

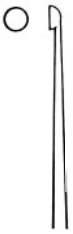


YASARGIL	NK 923.19 190mm / 7½”	Löffel, scharf, bajonett *Currete, sharp, bayonet* Curetta, acuto, baionetta *Cucharilla, aguda, bayoneta*





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° curva hacia arriba

mit Steg 5mm
with stick 5mm
con piatta forma 5mm
con rama acodada 5mm



NK 940.10
240mm / 9½"
Ø3mm, 90° aufgebogen
Ø3mm, 90° curved up
Ø3mm, 90° curva verso il alto
Ø3mm, 90° curva hacia arriba

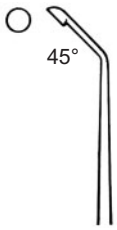
NK 940.11
240mm / 9½"
Ø3mm, 90° abgebogen
Ø3mm, 90° curved down
Ø3mm, 90° curva verso il basso
Ø3mm, 90° curva hacia abajo

NK 940.12
240mm / 9½"
Ø3mm, 90° rechts gebogen
Ø3mm, 90° curved right
Ø3mm, 90° curva destra
Ø3mm, 90° curva derecha

NK 940.13
240mm / 9½"
Ø3mm, 90° links gebogen
Ø3mm, 90° curved left
Ø3mm, 90° curva sinistra
Ø3mm, 90° curva izquierda

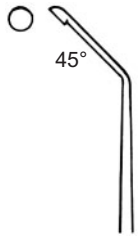


mit Steg 5mm
with stick 5mm
con piatta forma 5mm
con rama acodada 5mm



NK 940.20 240mm / 9½"	Ø3mm, 45° aufgebogen *Ø3mm, 45° curved up* Ø3mm, 45° curva verso il alto *Ø3mm, 45° curva hacia arriba*
NK 940.21 240mm / 9½"	Ø3mm, 45° abgebogen *Ø3mm, 45° curved down* Ø3mm, 45° curva verso il basso *Ø3mm, 45° curva hacia abajo*
NK 940.22 240mm / 9½"	Ø3mm, 45° rechts gebogen *Ø3mm, 45° curved right* Ø3mm, 45° curva destra *Ø3mm, 45° curva derecha*
NK 940.23 240mm / 9½"	Ø3mm, 45° links gebogen *Ø3mm, 45° curved left* Ø3mm, 45° curva sinistra *Ø3mm, 45° curva izquierda*

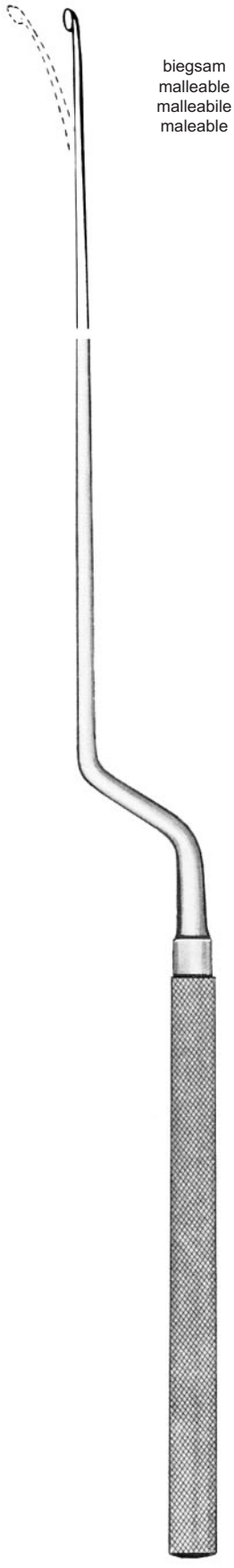
mit Steg 10mm
with stick 10mm
con piatta forma 10mm
con rama acodada 10mm



NK 940.30 240mm / 9½"	Ø3mm, 45° aufgebogen *Ø3mm, 45° curved up* Ø3mm, 45° curva verso il alto *Ø3mm, 45° curva hacia arriba*
NK 940.31 240mm / 9½"	Ø3mm, 45° abgebogen *Ø3mm, 45° curved down* Ø3mm, 45° curva verso il basso *Ø3mm, 45° curva hacia abajo*
NK 940.32 240mm / 9½"	Ø3mm, 45° rechts gebogen *Ø3mm, 45° curved right* Ø3mm, 45° curva destra *Ø3mm, 45° curva derecha*
NK 940.33 240mm / 9½"	Ø3mm, 45° links gebogen *Ø3mm, 45° curved left* Ø3mm, 45° curva sinistra *Ø3mm, 45° curva izquierda*

Mikro-Löffel, biegsam
Micro-Curettes, malleable
Micro-Curette, malleabile
Micro-Cucharillas, maleable





biegsam
malleable
malleabile
maleable

NK 940.35
240mm / 9½”



NK 940.35
240mm / 9½”
Ø 2,5mm



NK 940.36
240mm / 9½”
Ø 3,0mm



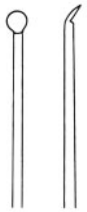
NK 940.37
240mm / 9½”
Ø 3,5mm



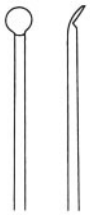
NK 940.38
240mm / 9½”
Ø 4,0mm



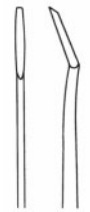
YASARGIL
NN 950.04
190mm / 7½”



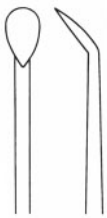
NN 940.02
230mm / 9”
2mm



NN 940.03
230mm / 9”
3mm



YASARGIL
NN 950.01
190mm / 7½”



YASARGIL
NN 950.03
190mm / 7½”



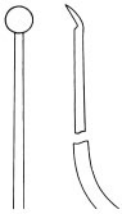
YASARGIL
NN 950.04
190mm / 7½”



YASARGIL
NN 950.05
190mm / 7½”



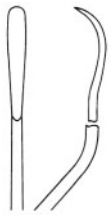
YASARGIL
NN 963.06
190mm / 7½”



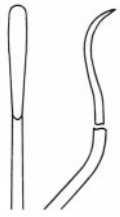
	NN 963.01 230mm / 9”	aufwärts gebogen *curved up* curva verso il alto *curva hacia arriba*



YASARGIL	NN 963.04 190mm / 7½”	abwärts gebogen *curved down* curva verso il basso *curva hacia abajo*



YASARGIL	NN 963.06 190mm / 7½”	abwärts gebogen *curved down* curva verso il basso *curva hacia abajo*



YASARGIL	NN 963.07 190mm / 7½”	aufwärts gebogen *curved up* curva verso il alto *curva hacia arriba*





Laminektomie Stanzen & Rongeure

Laminectomy Punches & Rongeurs

CEATEC MEDIZINTECHNIK

Pinze per Laminectomia & Rongeure

Pinzas para Osteótomo & Rongeure

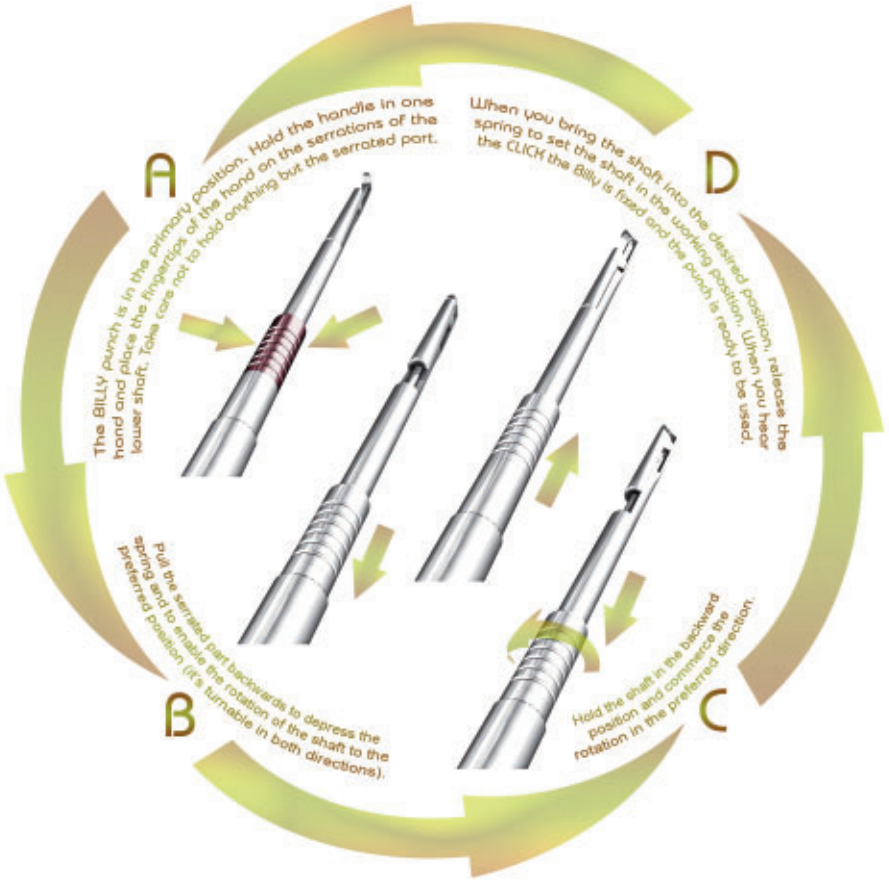
BILLY®

patent system



* wechselbarer Schaft
* *exchangeable shaft*
* intercambiabile inserto
* *intercambiable pieza*




A
The BILLY punch is in the primary position. Hold the handle in one hand and place the fingertips of the hand on the serrations of the lower shaft. Take care not to hold anything but the serrated part.
B
Pull the serrated part backwards to depress the spring and to enable the rotation of the shaft to the preferred position (it's turnable in both directions).
C
Hold the shaft in the backward position and commence the rotation in the preferred direction.
D
When you bring the shaft into the desired position, release the spring to set the shaft in the working position. When you hear the CLICK the Billy is fixed and the punch is ready to be used.

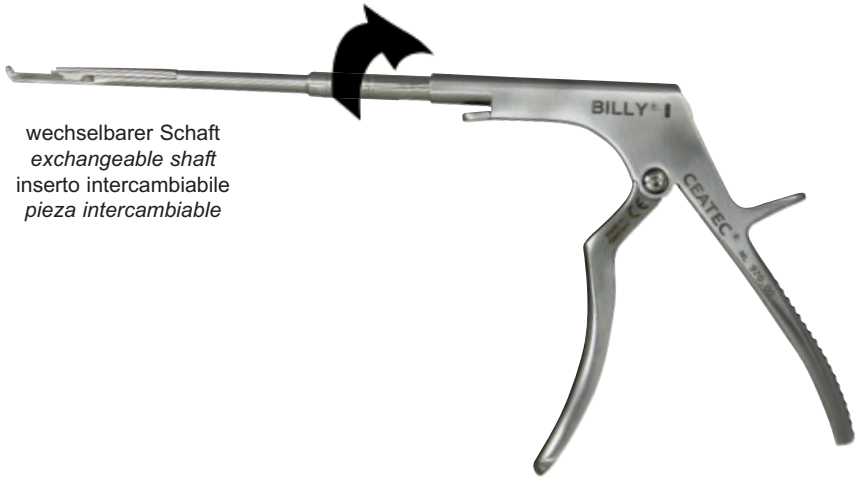

A
To replace the shaft, press simultaneously on the button.
B
While the button is pressed, pull the lower shaft forward to detach it from the handle.
C
To reconnect your BILLY simply slide the shaft in the opposite direction, upon hearing the clicking sound, the instrument is once again ready.
Information
BILLY punches are available with black ceramic coating or matt finish.

BILLY I Laminektomiestanze, 360° drehbar, wechselbarer Schaft, seidenmatt

BILLY I Laminectomy Punch, 360° rotable, shaft exchangeable, matt finish

BILLY I Pinza per Laminectomia, 360° girevole, inserto intercambiabile, opaca

BILLY I Pinza para Osteótomo, 360° rotable, pieza intercambiable, apagada



wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable



Griff / *Handle* / Manico / *Mango*

seidenmatt / *matt finish*
opaco / *apagado*

NL 970.00

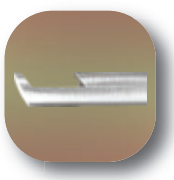
90°



mit Auswerfer
with ejector
con espulsore
con ejector

seidenmatt / *matt finish* **opaco / *apagado*** **Maulbreite** ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***			
	18cm	**20cm**	**23cm**	**25cm**
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°



mit Auswerfer
with ejector
con espulsore
con ejector

seidenmatt / *matt finish* **opaco / *apagado*** **Maulbreite** ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***			
	18cm	**20cm**	**23cm**	**25cm**
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

BILLY I Laminektomiestanze, 360° drehbar, wechselbarer Schaft, schwarz beschichtet

BILLY I Laminectomy Punch, 360° rotable, shaft exchangeable, black coated

BILLY I Pinza per Laminectomia, 360° girevole, inserto intercambiabile, superficie nera

BILLY I Pinza para Osteótomo, 360° rotable, pieza intercambiable, recubrir negra



wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable

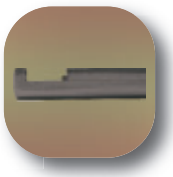


Griff / *Handle* / Manico / *Mango*

schwarz / *black coated* / superficie nera / *recubrir negro*

NL 970B00

90°



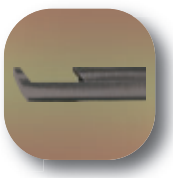
mit Auswerfer
with ejector
con espulsore
con ejector

schwarz / *black coated* / superficie nera / *recubrir negro*

Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza*

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°



mit Auswerfer
with ejector
con espulsore
con ejector

schwarz / *black coated* / superficie nera / *recubrir negro*

Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza*

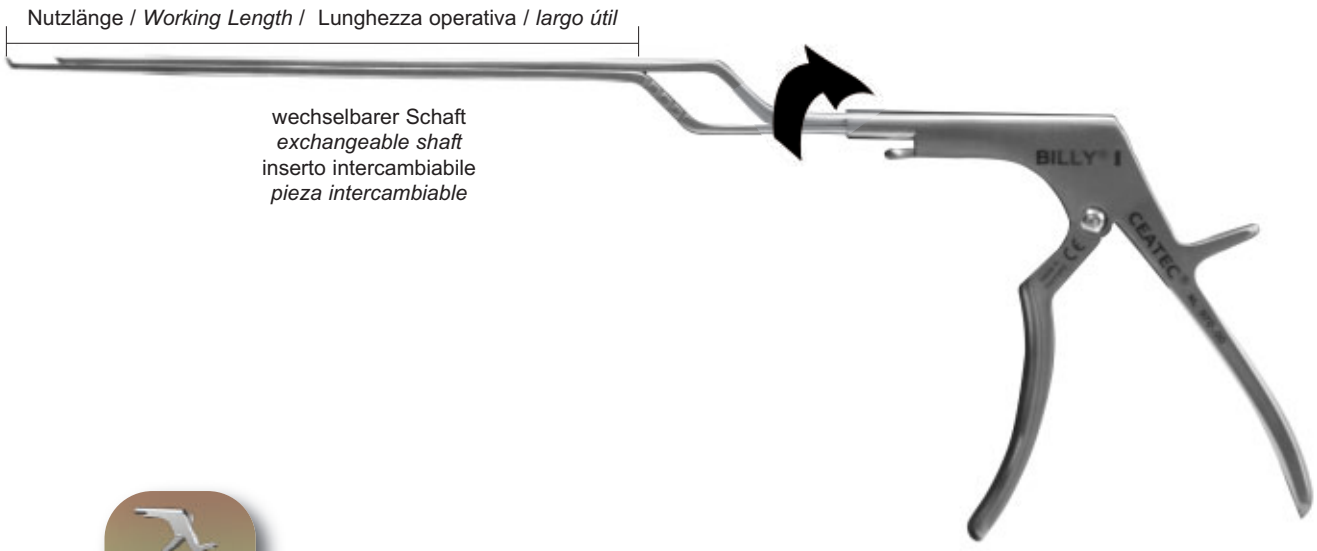
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**18cm**	**20cm**	**23cm**	**25cm**
1mm	NL 974B01ET	NL 975B01ET		
2mm	NL 974B02ET	NL 975B02ET	NL 976B02ET	NL 977B02ET
3mm	NL 974B03ET	NL 975B03ET	NL 976B03ET	NL 977B03ET
4mm	NL 974B04ET	NL 975B04ET	NL 976B04ET	NL 977B04ET
5mm			NL 976B05ET	NL 977B05ET
6mm			NL 976B06ET	NL 977B06ET

BILLY I Laminektomiestanze baionett, 360° drehbar, wechselbarer Schaft

BILLY I Laminectomy Punch bayonet, 360° rotable, shaft exchangeable

BILLY I Pinza Laminectomia baionetta, 360° girevole, inserto intercambiabile

BILLY I Pinza Osteótomo bayoneta, 360° rotable, pieza intercambiable







	Griff / *Handle* / Manico / *Mango*
seidenmatt / *matt finish* opaco / *apagado*	NL 970.00
schwarz / *black coated* / superficie nera / *recubrir negro*	NL 970B00





90°

Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza*** **18cm seidenmatt / *matt finish* opaco / *apagado***	**18cm schwarz / *black coated* / superficie nera / *recubrir negro***
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





130°

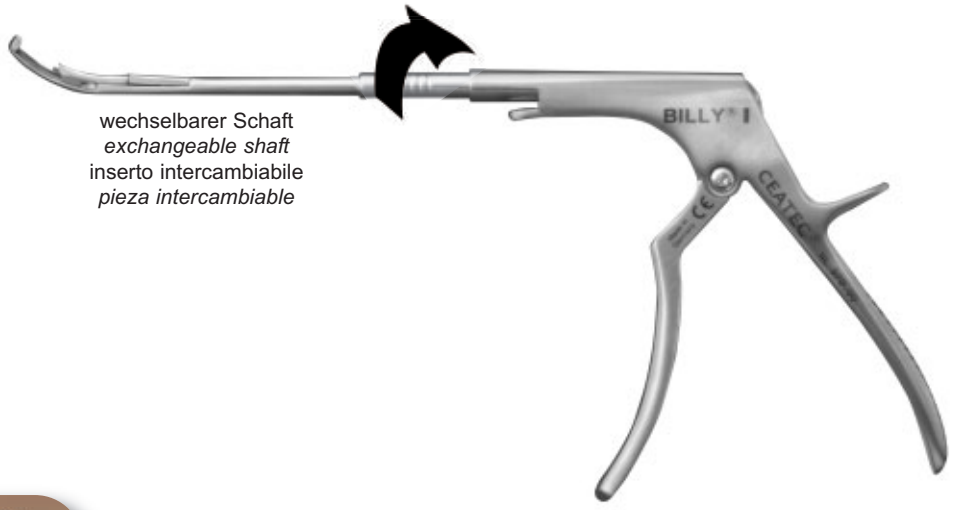
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza*** **18cm seidenmatt / *matt finish* opaco / *apagado***	**18cm schwarz / *black coated* / superficie nera / *recubrir negro***
1mm	NL 966.01	NL 966B01
2mm	NL 966.02	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

BILLY I Foraminotomie Stanze, 360° drehbar, wechselbarer Schaft

BILLY I Foraminotomy Punch, 360° rotable, shaft exchangeable

BILLY I Pinza per Foraminotomia, 360° girevole, inserto intercambiabile

BILLY I Pinza para Foraminotomia, 360° rotable, pieza intercambiable



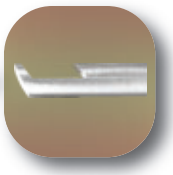
wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable





Griff / *Handle* / Manico / *Mango*

seidenmatt / *matt finish* opaco / *apagado*	NL 970.00
schwarz / *black coated* / superficie nera / *recubrir negro*	NL 970B00



130°

seidenmatt / *matt finish* opaco / *apagado*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***			
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°

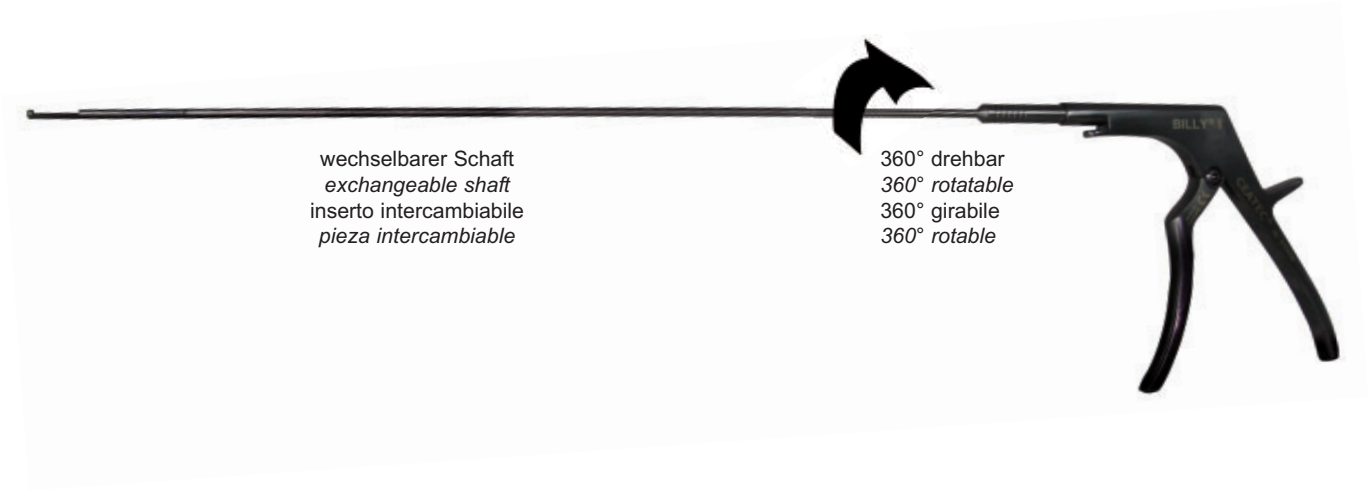
seidenmatt / *matt finish* opaco / *apagado*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***			
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**18cm**	**20cm**	**23cm**	**25cm**
2mm	NL 945B02ET	NL 945B12ET	NL 945B22ET	NL 945B32ET
3mm	NL 945B03ET	NL 945B13ET	NL 945B23ET	NL 945B33ET
4mm	NL 945B04ET	NL 945B14ET	NL 945B24ET	NL 945B34ET
5mm	NL 945B05ET	NL 945B15ET	NL 945B25ET	NL 945B35ET

BILLY I Laminektomiestanze endoskopisch, 360° drehbar, wechselbarer Schaft

BILLY I Laminectomy Punch for endoscope, 360° rotable, shaft exchangeable

BILLY I Pinza Laminectomia per endoscopia, 360° girevole, inserto intercambiabile

BILLY I Pinza Osteótomo para endoscopia, 360° rotable, pieza intercambiable



wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable

360° drehbar
360° rotatable
360° girabile
360° rotable





Griff / *Handle* / Manico / *Mango*	
seidenmatt / *matt finish* opaco / *apagado*	NL 970.00
schwarz / *black coated* / superficie nera / *recubrir negro*	NL 970B00

90°





Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza*** **36cm seidenmatt / *matt finish* opaco / *apagado***	**36cm schwarz / *black coated* / superficie nera / *recubrir negro***
3mm	NL 962.03T	NL 962B03T
3,5mm	NL 962.35T	NL 962B35T
4mm	NL 962.04T	NL 962B04T

130°





Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza*** **36cm seidenmatt / *matt finish* opaco / *apagado***	**36cm schwarz / *black coated* / superficie nera / *recubrir negro***
3mm	NL 964.03T	NL 964B03T
3,5mm	NL 964.35T	NL 964B35T
4mm	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, aspiratione e lavaggio

Optic para neuro cirugía 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** ***Largo***	**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** ***Largo***	**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°

BILLY II Rongeur LOVE-GRUENWALD, 360° drehbar, wechselbarer Schaft, seidenmatt

BILLY II Rongeur LOVE-GRUENWALD, 360° rotable, shaft exchangeable, matt finish

BILLY II Rongeur LOVE-GRUENWALD, 360° girevole, inserto intercambiabile, opaca

BILLY II Rongeur LOVE-GRUENWALD, 360° rotable, pieza intercambiable, apagada



wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable



	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 / *Largo de pieza***	
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**15cm**	**18cm**
2mm	NL 980.05T	NL 980.08T
3mm	NL 980.15T	NL 980.18T
4mm	NL 980.25T	NL 980.28T

aufwärts
upbiting
taglio in alto
corto por arriba



seidenmatt / *matt finish* opaco / *apagado*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**15cm**	**18cm**
2mm	NL 980.35T	NL 980.38T
3mm	NL 980.45T	NL 980.48T
4mm	NL 980.55T	NL 980.58T

abwärts
downbiting
taglio in basso
corto por abajo



seidenmatt / *matt finish* opaco / *apagado*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**15cm**	**18cm**
2mm	NL 980.65T	NL 980.68T
3mm	NL 980.75T	NL 980.78T
4mm	NL 980.85T	NL 980.88T

BILLY II Rongeur LOVE-GRUENWALD, 360° drehbar, wechselbarer Schaft, schwarz

BILLY II Rongeur LOVE-GRUENWALD, 360° rotable, shaft exchangeable, black coated

BILLY II Rongeur LOVE-GRUENWALD, 360° girevole, inserto intercambiabile, superficie nera

BILLY II Rongeur LOVE-GRUENWALD, 360° rotable, pieza intercambiable, recubrir negro



wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable



schwarz / *black coated* / superficie nera / *recubrir negro*	**Griff / *Handle* / Manico / *Mango***
	NL 980B00

gerade
straight
retto
recto



schwarz / *black coated* / superficie nera / *recubrir negro*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
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

aufwärts
upbiting
taglio in alto
corto por arriba



schwarz / *black coated* / superficie nera / *recubrir negro*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
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

abwärts
downbiting
taglio in basso
corto por abajo



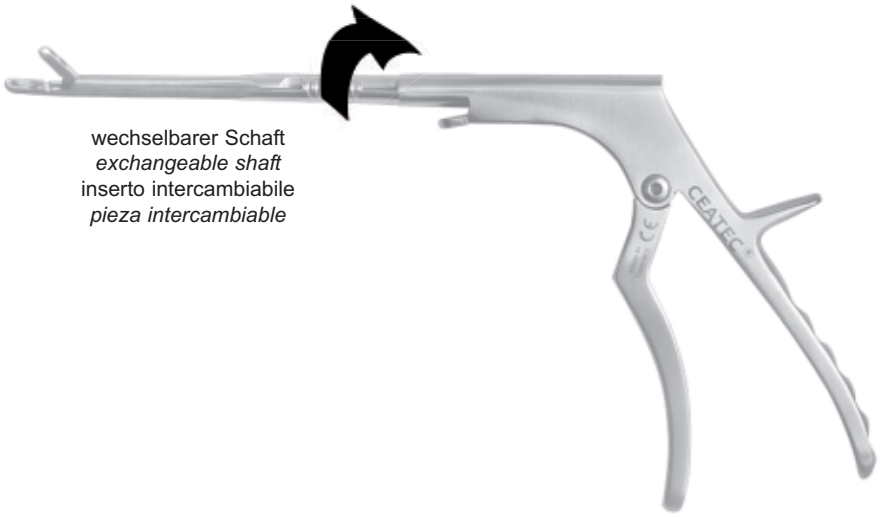
schwarz / *black coated* / superficie nera / *recubrir negro*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**15cm**	**18cm**
2mm	NL 980B65T	NL 980B68T
3mm	NL 980B75T	NL 980B78T
4mm	NL 980B85T	NL 980B88T

BILLY II Rongeur CASPAR, 360° drehbar, wechselbarer Schaft, seidenmatt

BILLY II Rongeur CASPAR, 360° rotable, shaft exchangeable, matt finish

BILLY II Rongeur CASPAR, 360° girevole, inserto intercambiabile, opaca

BILLY II Rongeur CASPAR, 360° rotable, pieza intercambiable, apagada



wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable



seidenmatt / *matt finish* opaco / *apagado*	**Griff / *Handle* / Manico / *Mango***
	NL 980.00



gerade
straight
retto
recto

seidenmatt / *matt finish* opaco / *apagado*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
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
corto por arriba

seidenmatt / *matt finish* opaco / *apagado*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
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

BILLY II Rongeur CASPAR, 360° drehbar, wechselbarer Schaft, schwarz

BILLY II Rongeur CASPAR, 360° rotable, shaft exchangeable, black coated

BILLY II Rongeur CASPAR, 360° girevole, inserto intercambiabile, superficie nera

BILLY II Rongeur CASPAR, 360° rotable, pieza intercambiable, recubrir negro



wechselbarer Schaft
exchangeable shaft
inserto intercambiabile
pieza intercambiable



	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 / *Largo de pieza***	
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
corto por arriba



schwarz / *black coated* / superficie nera / *recubrir negro*	**Schaftlänge / *Shaft Length* / Lunghezza dell'inserto / *Largo de pieza***	
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

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 Osteótomo, hacia arriba, mango pequeño



90°



aufwärts
upbiting
verso l'alto
hacia 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
verso l'alto
hacia 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!

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 Osteótomo, hacia abajo, mango pequeño



90°



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 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°



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 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!

"Flatfood" Laminektomiestanze, kleiner Griff
"Flatfood" Laminectomy Punch, small handle
"Flatfood" Pinza per Laminectomia, manico piccolo
"Flatfood" Pinza para Osteótomo, mango pequeño



130°



aufwärts
upbiting
verso l'alto
hacia 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!

Kerrison Laminektomiestanze, aufwärts, großer Griff

Kerrison Laminectomy Punch, upbiting, large handle

Kerrison Pinza per Laminectomia, verso l'alto, manico grande

Kerrison Pinza para Osteótomo, hacia arriba, mango grande



90°



aufwärts
upbiting
verso l'alto
hacia 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
verso l'alto
hacia 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!

Kerrison Laminektomiestanze, abwärts, großer Griff

Kerrison Laminectomy Punch, downbiting, large handle

Kerrison Pinza per Laminectomia, verso il basso, manico grande

Kerrison Pinza para Osteótomo, hacia abajo, mango grande



90°



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 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
verso il basso
hacia 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!

Kerrison Laminektomiestanze, zerlegbar, kleiner Griff

Kerrison Laminectomy Punch, detachable, small handle

Kerrison Pinza per Laminectomia, smontabile, manico piccolo

Kerrison Pinza para Osteótomo, mango pequeño





aufwärts
upbiting
verso l'alto
hacia arriba

Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**90°**			**130°**		
	18cm	**20cm**	**23cm**	**18cm**	**20cm**	**23cm**
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



abwärts
downbiting
verso il basso
hacia abajo

Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**90°**			**130°**		
	18cm	**20cm**	**23cm**	**18cm**	**20cm**	**23cm**
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

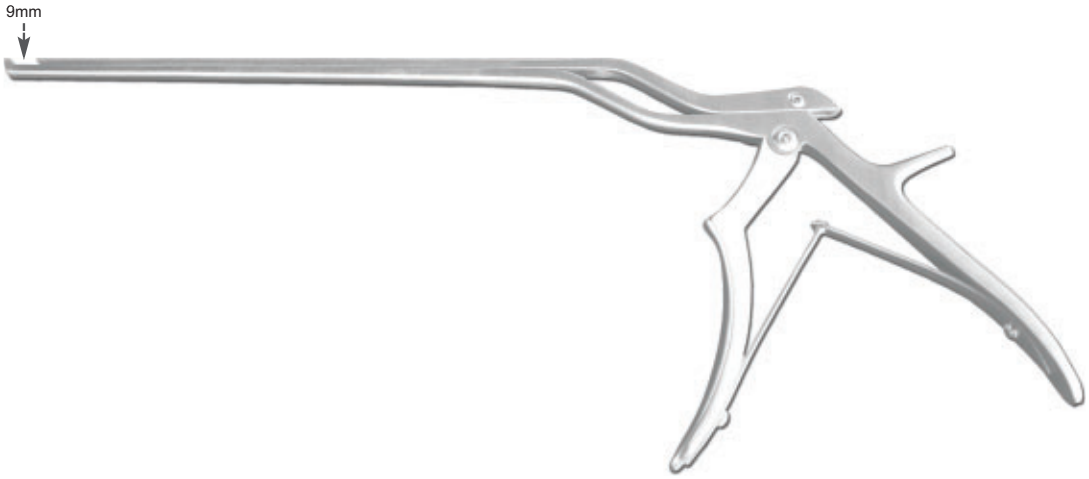
Weitere Größen und Längen sind auf Anfrage als Sonderanfertigung möglich!

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 Osteótomo, hacia arriba, mango pequeño



90°



aufwärts
upbiting
verso l'alto
hacia arriba

Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	11cm	15cm	18cm
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°



aufwärts
upbiting
verso l'alto
hacia arriba

Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	11cm	15cm	18cm
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



aufwärts
upbiting
verso l'alto
hacia arriba

Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	11cm	15cm	18cm
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 Osteótomo, 90°, hacia arriba, mango pequeño



links / *left* / a sinistra / *izquierda*

90°



Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**11cm**	**15cm**	**18cm**
1mm	NL 953.01	NL 953.11	NL 953.21
2mm	NL 953.02	NL 953.12	NL 953.22
3mm	NL 953.03	NL 953.13	NL 953.23
4mm	NL 953.04	NL 953.14	NL 953.24
5mm	NL 953.05	NL 953.15	NL 953.25
6mm	NL 953.06	NL 953.16	NL 953.26

aufwärts
upbiting
verso l'alto
hacia arriba

rechts / *right* / a destra / *derecha*

90°



Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	**11cm**	**15cm**	**18cm**
1mm	NL 954.01	NL 954.11	NL 954.21
2mm	NL 954.02	NL 954.12	NL 954.22
3mm	NL 954.03	NL 954.13	NL 954.23
4mm	NL 954.04	NL 954.14	NL 954.24
5mm	NL 954.05	NL 954.15	NL 954.25
6mm	NL 954.06	NL 954.16	NL 954.26

aufwärts
upbiting
verso l'alto
hacia arriba



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 Osteótomo - 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 Osteótomo, 130°, hacia arriba, mango pequeño



130°



aufwärts
upbiting
verso l'alto
hacia 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"



aufwärts
upbiting
verso l'alto
hacia 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 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 Osteótomo, hacia arriba, mango pequeño, con boca múltiple cámara



130°



aufwärts
upbiting
verso l'alto
hacia arriba

Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**18cm**	**20cm**
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, 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

Pinza para Foramintomia, curva hacia arriba y hacia abajo, mango pequeño



130°



aufwärts gebogen
curved up
curva verso l'alto
curva hacia arriba

Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**18cm**	**20cm**
2mm	NL 945.02	NL 945.12
3mm	NL 945.03	NL 945.13
4mm	NL 945.04	NL 945.14
5mm	NL 945.05	NL 945.15

130°



abwärts gebogen
curved down
curva verso il basso
curva hacia abajo

Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**18cm**	**20cm**
2mm	NL 946.02	NL 946.12
3mm	NL 946.03	NL 946.13
4mm	NL 946.04	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!

Hajek Keilbeinstanze

Hajek Sphenoid Bone Punch

Pinza taglienti per seno sfenoidale

Pinza sacabocadas para esfenoides



90° aufwärts / *upbiting*



Größe / *Size*	**14cm**
klein / small	RL 340.03
groß / large	RL 340.13

90° abwärts / *downbiting*



Größe / *Size*	**14cm**
klein / small	RL 341.03
groß / large	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!

Oldberg Hypophysenzange

Oldberg Pituitary Rongeur

Oldberg Pinza per Ipofise

Oldberg Pinza para Hipófisis



Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**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 Hipófisis



Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**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, modello 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 - largura 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

Love-Gruenwald Laminektomiezange, sehr kräftiges Modell

Love-Gruenwald Laminectomy Rongeur, very heavy pattern

Love-Gruenwald Rongeur, modello forte

Love-Gruenwald Rongeur, modello fuerte



18cm

Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**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, recta



gerade / *straight* / retta / *recta*

Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**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, curva hacia arriba / curva hacia abajo 30°



aufwärts gebogen / *curved up* / curva verso l'alto / *curva 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 / *curva 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*** ***recta***	**aufwärts gebogen** ***curved up*** **curva verso l'alto** ***curva hacia arriba***	**abwärts gebogen** ***curved down*** **curva verso il basso** ***curva 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	**28cm**
NL 999.60	NL 999.68

Caspar Zange, gefenstert, gezahnt

Caspar Rongeur, fenestrated, jaws with teeth

Caspar Rongeur, finestrato, dentellato

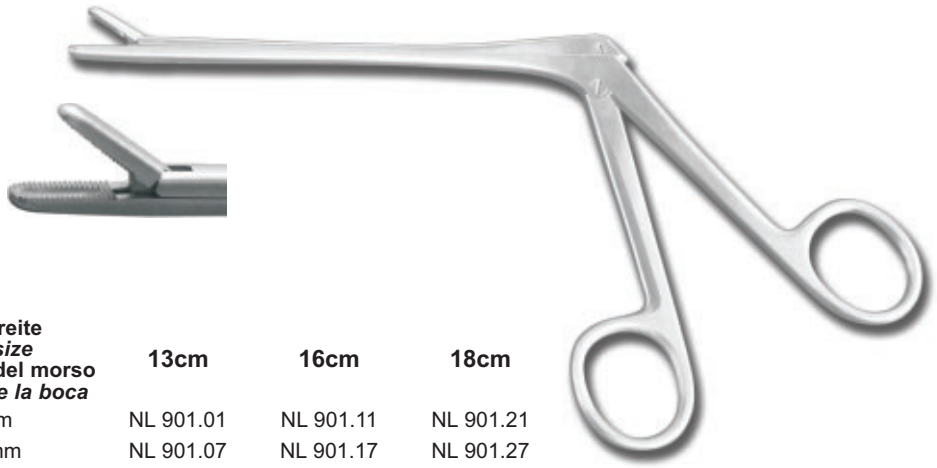
Caspar Rongeur, fenestrado, dentellada



Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**gerade** ***straight*** ***retta*** ***recta***			**aufwärts gebogen** ***curved up*** **curva verso l'alto** ***curva 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** ***curva hacia abajo***			**abwärts gebogen (umgedrehtes Maul)** ***curved down (reversed jaw)*** **curva verso il basso (capovolto muso)** ***curva 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 Laminektomiezange, gerieftes Maul
Schlesinger Laminectomy Rongeur, serrated jaws
Schlesinger Pinza per laminectomia, morso zigrinato
Schlesinger Pinza para laminectomia, 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 Laminektomiezange, sehr kräftiges Modell, gerieftes Maul
Schlesinger Laminectomy Rongeur, very heavy pattern, serrated jaws
Schlesinger Pinza per laminectomia, modello forte, morso zigrinato
Schlesinger Pinza para laminectomia, modello 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 / *curva hacia arriba*

Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la bocae***	**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 / *curva 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 Laminektomiezange, scharfe Löffel

Ferris-Smith Laminectomy Forceps, cutting cup

Ferris-Smith Pinza per laminectomia, cucchiaio affilata

Ferris-Smith Pinza para laminectomia, cuchara afilada



17cm

Maulbreite ***Bite size*** **Larghezza del morso** ***Anchura de la boca***	**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	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



Wirbelsäuleninstrumente & Implantate

Spine instruments & implants

CEATEC MEDIZINTECHNIK

Strumenti per colonna vertebrale & impiantati

Instrumental para columna vertebral & implantes





CLOWARD
ND 673.15
150mm / 6”



CLOWARD
ND 673.53 - ND 673.63

Arbeitslänge
Working length
Lunghezza lavorativa
Largura 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 / 6½”



CLOWARD
ND 674.53 - ND 674.59

Arbeitslänge
Working length
Lunghezza lavorativa
Largura 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 / 6¾”



INGE
ND 676.27
270mm / 10½”



MEYERDING
ND 677.01 - ND 677.03
170mm / 6¾”

ND 677.01	170mm / 6¾”	25x57mm
ND 677.02	170mm / 6¾”	25x51mm
ND 677.03	170mm / 6¾”	25x41mm





SCHUL
ND 667.01 - ND 668.24
170mm / 6¾”

SCHUL	ND 667.01 170mm / 6¾”	40x10mm	links *left* sinistra *izquierda*
	ND 667.02 170mm / 6¾”	50x10mm	
	ND 667.03 170mm / 6¾”	60x10mm	
	ND 667.04 170mm / 6¾”	70x10mm	
	ND 667.22 170mm / 6¾”	50x20mm	
	ND 667.23 170mm / 6¾”	60x20mm	
	ND 667.24 170mm / 6¾”	70x20mm	

SCHUL	ND 668.01 170mm / 6¾”	40x10mm	rechts *right* destra *derecha*
	ND 668.02 170mm / 6¾”	50x10mm	
	ND 668.03 170mm / 6¾”	60x10mm	
	ND 668.04 170mm / 6¾”	70x10mm	
	ND 668.22 170mm / 6¾”	50x20mm	
	ND 668.23 170mm / 6¾”	60x20mm	
	ND 668.24 170mm / 6¾”	70x20mm	



WILLIAMS
ND 670.01 - ND 671.06
200mm / 8”

WILLIAMS	ND 670.01 200mm / 8”	50x10mm	links *left* sinistra *izquierda*
	ND 670.02 200mm / 8”	50x20mm	
	ND 670.03 200mm / 8”	60x10mm	
	ND 670.04 200mm / 8”	60x20mm	
	ND 670.05 200mm / 8”	70x10mm	
	ND 670.06 200mm / 8”	70x20mm	

WILLIAMS	ND 671.01 200mm / 8”	50x10mm	rechts *right* destra *derecha*
	ND 671.02 200mm / 8”	50x20mm	
	ND 671.03 200mm / 8”	60x10mm	
	ND 671.04 200mm / 8”	60x20mm	
	ND 671.05 200mm / 8”	70x10mm	
	ND 671.06 200mm / 8”	70x20mm	



HEY
ND 950.01
230mm / 9”

Spreizer allein
Retractor only
Divaricatore solo
Separador suelto



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 spinal

ND 952.32	32mm
ND 952.37	37mm
ND 952.53	53mm
ND 952.62	62mm

HEY
ND 950.00
230mm / 9”

Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

ND 950.00
+ ND 951.40 - ND 951.70
+ ND 952.32 - ND 952.62

Wirbelkörperspreizer, cervical
Lamina Speaders, cervical
Divaricatore vertebrale, cervical
Separadores para cuerpos vertebrales, cervical





CASPAR
ND 956.01
170mm / 6¾”

Gegensperrer allein mit 1 festen Blatt
Retractor only with 1 fixed blade
Divaricatore solo con 1 valva fissa
Separador suelto con 1 hoja fija

schwarz beschichtet
black coated
superficie nera
recubrir negra



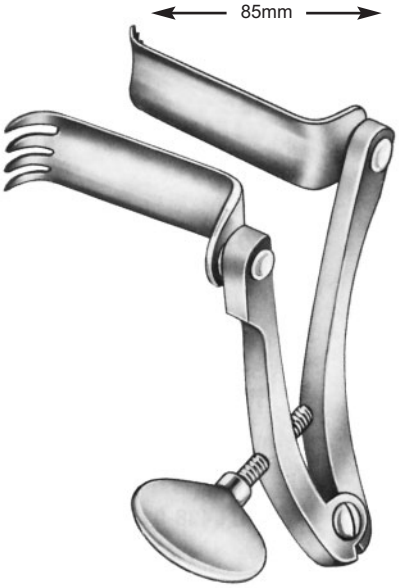
ND 956.40	40mm
ND 956.45	45mm
ND 956.50	50mm
ND 956.55	55mm
ND 956.60	60mm
ND 956.65	65mm
ND 956.70	70mm

Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

ND 956.01
+ ND 956.40 - ND 956.70
(7 Blätter/*Blades*/Valve/*Hojas*)

CASPAR
ND 956.00
170mm / 6¾”

85mm



Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

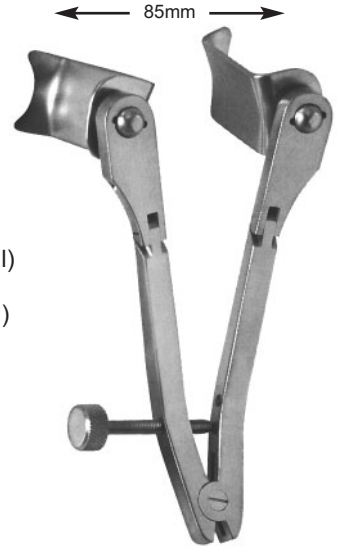
ND 966.01
+ ND 971.40 - ND 971.60 (medial)
(5 Blätter/*Blades*/Valve/*Hojas*)
+ ND 972.40 - ND 972.60 (lateral)
(5 Blätter/*Blades*/Valve/*Hojas*)

CASPAR
ND 960.00
110mm / 4⅓”

CASPAR
ND 960.01
110mm / 4⅓”

Sperrer allein
Retractor only
Divaricatore solo
Separador suelto

85mm



Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

ND 961.01
+ ND 973.45 - ND 973.65
(5 Blätter/*Blades*/Valve/*Hojas*)

CASPAR
ND 961.00
110mm / 4⅓”

CASPAR
ND 961.01
110mm / 4⅓”

Sperrer allein
Retractor only
Divaricatore solo
Separador suelto





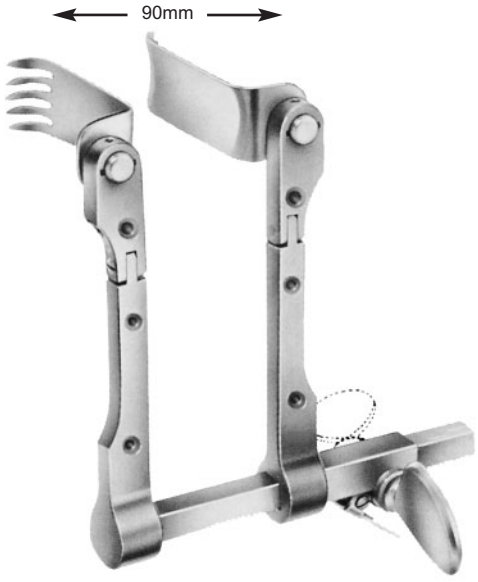
Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

ND 963.01
+ ND 973.45 - ND 973.65
(5 Blätter/*Blades*/Valve/*Hojas*)

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/*Hojas*)
+ ND 972.40 - ND 972.60 (lateral)
(5 Blätter/*Blades*/Valve/*Hojas*)

CASPAR
ND 966.00
120mm / 4¾"

CASPAR
ND 966.01
120mm / 4¾"

Sperrer allein
Retractor only
Divaricatore solo
Separador suelto



mediale Blätter
medial blades
valva medial
valve 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
valva lateral
valve 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
valva smussa
valve 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
valva smussa
valve roma



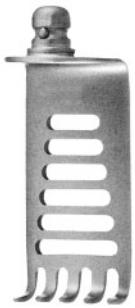
ND 974.50	50x25mm
ND 974.60	60x25mm

zur Spanentnahme am Beckenkamm
for taking the fusion graft from the iliac crest
prelievo della cresta iliaca
para reducir la tensión de la pelvis

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.
Hojas de usar para ND 960.01, ND 961.01, ND 963.01 y ND 966.01.

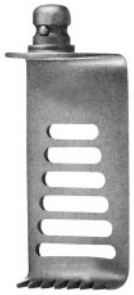


mediale Blätter, TITAN
medial blades, TITAN
valve medial, TITAN
valve medial, TITAN



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
valve 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
valve 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

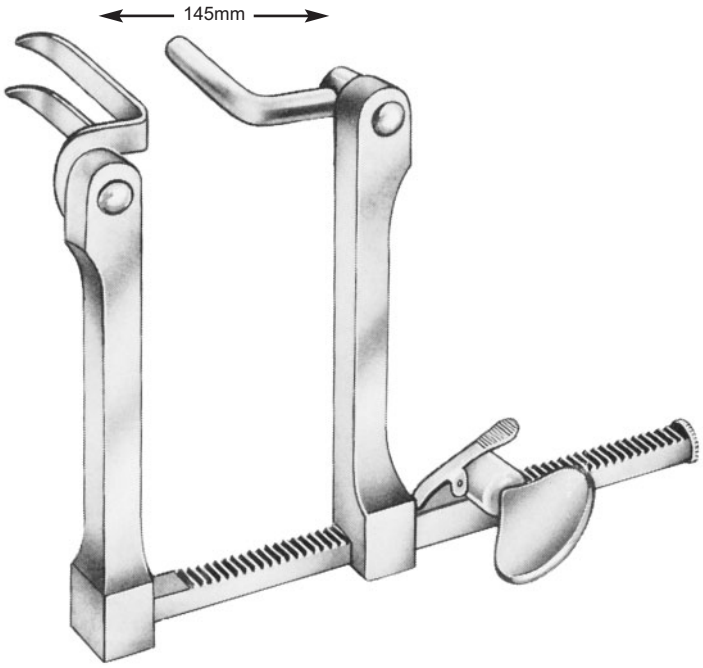


NB 990.11
110mm / 4⅓”

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.
Valve de usar para ND 960.01, ND 961.01, ND 963.01 y ND 966.01.





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/*Hojas*)

CASPAR
ND 965.00
150mm / 6”



CASPAR
ND 968.01
165mm / 6½”

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/*Hojas*)

CASPAR
ND 968.00
165mm / 6½”



ND 968.02
165mm / 6½”





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

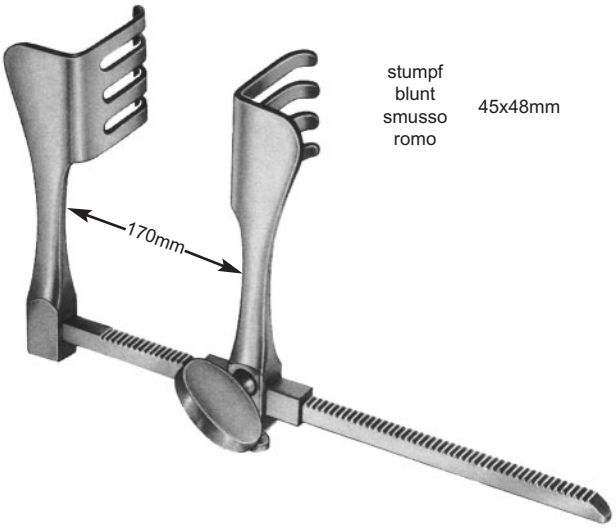


ND 969.30	30x37mm
ND 969.35	35x37mm
ND 969.40	40x37mm
ND 969.45	45x37mm
ND 969.50	50x37mm
ND 969.55	55x37mm
ND 969.60	60x37mm
ND 969.65	65x37mm



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

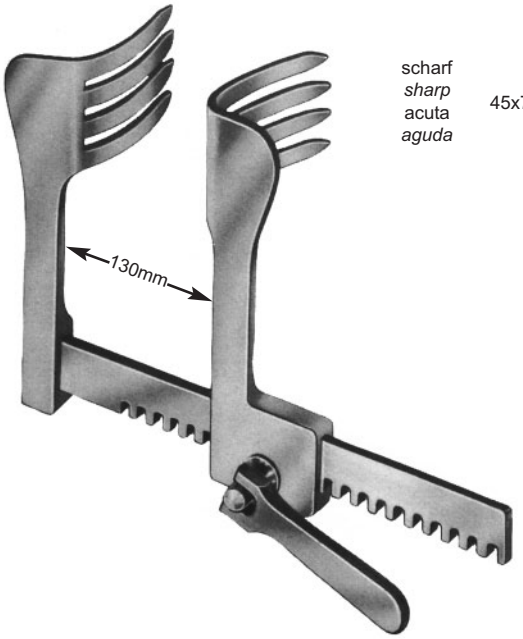




stumpf
blunt
smusso
romo

45x48mm

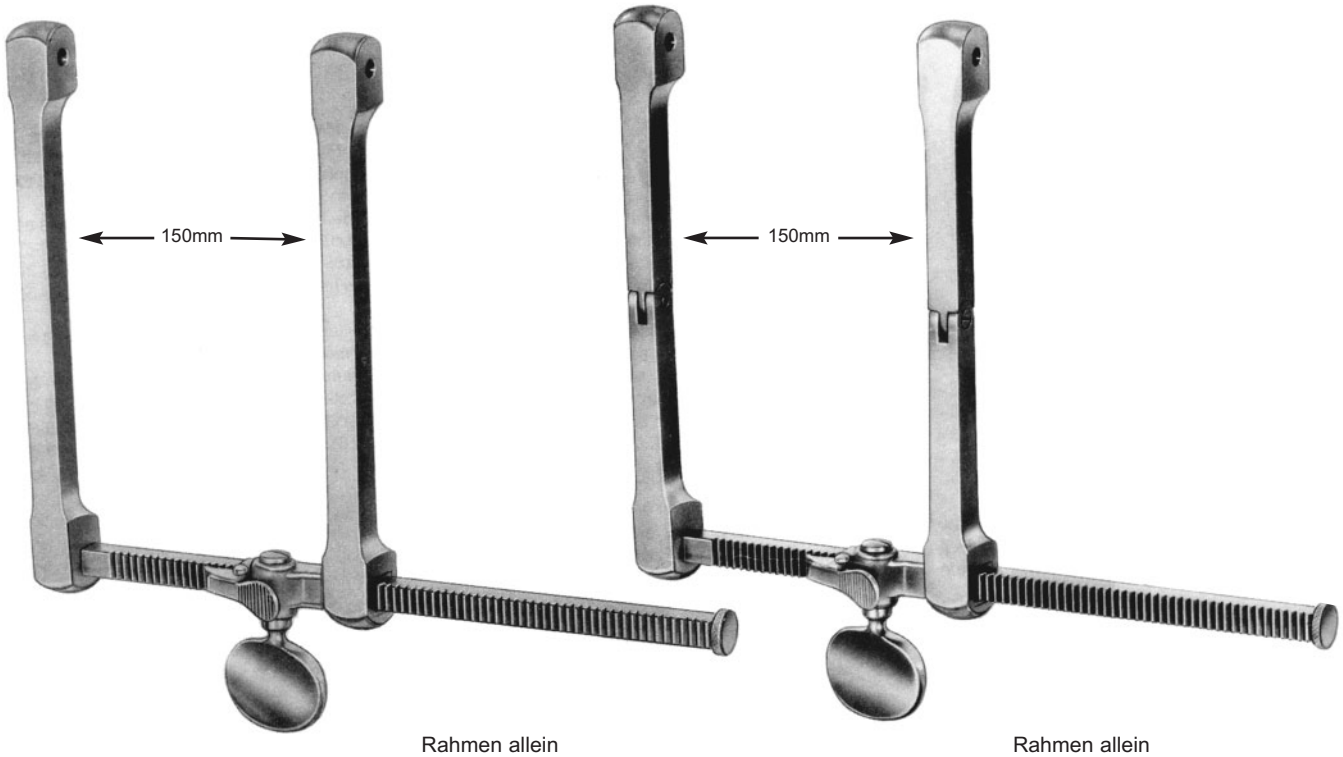
BADGLEY
ND 978.17



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 / 2¾”



SCOVILLE
AD 906.06
50mm / 2”



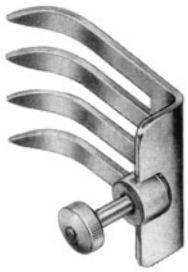
SCOVILLE
AD 906.07
70mm / 2¾”



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

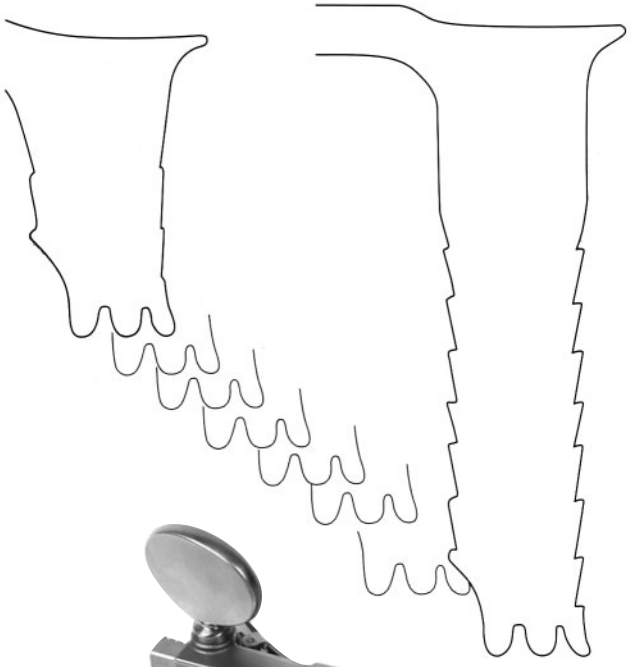


SCOVILLE
AD 906.46 // 41x38mm
AD 906.47 // 67x44mm





CASPAR
ND 957.50



schwarz beschichtet
black coated
superficie nera
recubrir negra

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:





Komplettes System:
Complete System:
Sistema completo:
Sistema completo:

ND 991.01
+ ND 991.35 - ND 991.60
(6 Blätter/*Blades*/Valve/*Hojas*)

CASPAR
ND 991.00

CASPAR
ND 991.01

Gegensperrer allein
Retractor only
Divaricatore solo
Separador suelto

schwarz beschichtet
black coated
superficie nera
recubrir negra

Valven lateral
Blades lateral
Valve lateral
Valve lateral



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

schwarz beschichtet
black coated
superficie nera
recubrir negra

Valven medial
Blades medial
Valve medial
Valve medial



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



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 approcah for the upper cervical spine.

Divaricatore vertebrale

Separadore para cuerpos vetebrales, 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)
	+ NV 912.20



CASPAR
ND 981.00

Wirbelkörper-Distraktor, zur anterioren cervicalen Verplattung, für linkssseitigen 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 approcah for the upper cervical spine.

Divaricatore vertebrale

Separadore para cuerpos vetebrales, 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)
	+ 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 approcah for the upper cervical spine.

Divaricatore vertebrale

Separadores para cuerpos vetebrales

CASPAR
ND 980.02

Wirbelkörper-Distraktor, alleine, mit verlängerter Führungsstange für eine multisegmentale Distraktion, 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 approcah for the upper cervical spine.

Divaricatore vertebrale

Separadores para cuerpos vetebrales



CASPAR
ND 981.01

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 approcah for the upper cervical spine.

Divaricatore vertebrale

Separadores para cuerpos vetebrales

CASPAR
ND 981.02

Wirbelkörper-Distraktor, alleine, mit verlängerter Führungsstange für eine multisegmentale Distraktion, 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 approcah for the upper cervical spine.

Divaricatore vertebrale

Separadores para cuerpos vetebrales





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 Ø1,7mm, profondità d'alesatura 8mm
Broca Ø1,7mm, profundidad de taladrado 8mm



NV 910.12	12mm
NV 910.14	14mm
NV 910.16	16mm
NV 910.18	18mm

CASPAR
NV 910.14

Distraktionsschraube
Distraction screws
Vite per distrazione
Tornillo de distracción



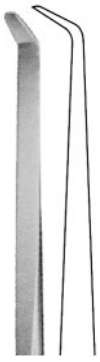
CASPAR
NV 912.20
200mm / 8”

Schraubendreher für Distraktionsschraube
Screw driver for distraction screws
Caccciavite per vite per distrazione
Destornillador para tornillo de distracción

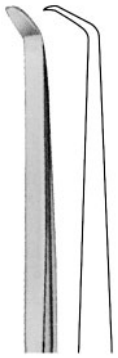


CASPAR
ND 882.01 - ND 882.02
205mm / 8”

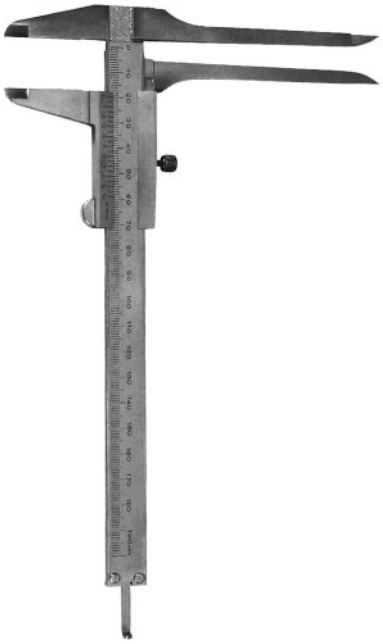
Wirbelkörperdissektor
Vertebral body dissector
Dissettore per corpo vertebrale
Disecador para cuerpos vetebrales



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
Strumento per misurare truciolo d’osso e situs
Neuro-Calibrador para mesurar l’astilla hueso y situs





BRUNS
KK 405.05
200mm / 8”



KK 402.30
200mm / 8”
Fig. 000

KK 402.20
200mm / 8”
Fig. 00



KK 402.10
200mm / 8”
Fig. 0



KK 403.01
200mm / 8”
Fig. 1



KK 403.02
200mm / 8”
Fig. 2



KK 403.03
200mm / 8”
Fig. 3



KK 403.04
200mm / 8”
Fig. 4



KK 403.05
200mm / 8”
Fig. 5



KK 403.06
200mm / 8”
Fig. 6



KK 404.30
200mm / 8”
Fig. 000



KK 404.20
200mm / 8”
Fig. 00



KK 404.10
200mm / 8”
Fig. 0



KK 405.01
200mm / 8”
Fig. 1



KK 405.02
200mm / 8”
Fig. 2



KK 405.03
200mm / 8”
Fig. 3



KK 405.04
200mm / 8”
Fig. 4



KK 405.05
200mm / 8”
Fig. 5



KK 405.06
200mm / 8”
Fig. 6



CASPAR
KK 406.10
220mm / 8¾"



CASPAR
KK 407.10
220mm / 8¾"

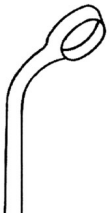
Fig. 000	**CASPAR**	KK 406.30 220mm / 8¾"	3,6mm
Fig. 00	**CASPAR**	KK 406.20 220mm / 8¾"	4,4mm
Fig. 0	**CASPAR**	KK 406.10 220mm / 8¾"	5,2mm
Fig. 000	**CASPAR**	KK 407.30 220mm / 8¾"	3,6mm
Fig. 00	**CASPAR**	KK 407.20 220mm / 8¾"	4,4mm
Fig. 0	**CASPAR**	KK 407.10 220mm / 8¾"	5,2mm



SEMMES
KK 409.23
230mm / 9"



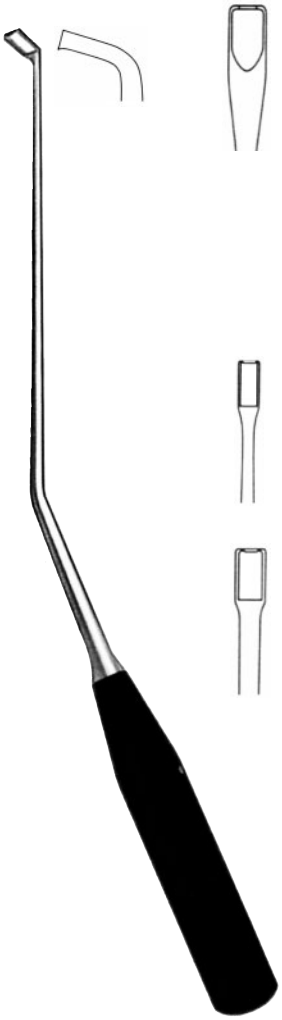




SEMMES	KK 408.23 230mm / 9"	4x7mm
SEMMES	KK 409.23 230mm / 9"	4x7mm
SEMMES	KK 411.23 230mm / 9"	4x7mm



CASPAR
KK 412.04
220mm / 8¾”



CASPAR
KK 414.03
270mm / 10¾”

	**CASPAR**	KK 412.04 220mm / 8¾”	4mm
	**CASPAR**	KK 412.05 220mm / 8¾”	5mm
	**CASPAR**	KK 412.06 220mm / 8¾”	6mm
	**CASPAR**	KK 413.04 250mm / 10”	4mm
	CASPAR	KK 413.05 250mm / 10”	5mm
	CASPAR	KK 414.03 270mm / 10¾”	3mm
	CASPAR	KK 414.04 270mm / 10¾”	4mm



CASPAR
NN 120.03
200mm / 8”



SYPERT
NN 129.03
290mm / 11½”



CASPAR	NN 120.03 200mm / 8”	3mm



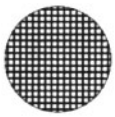
CASPAR	NN 120.05 200mm / 8”	5mm



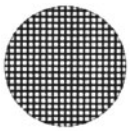
CASPAR	NN 120.08 200mm / 8”	8mm



CASPAR	NN 120.12 200mm / 8”	12mm



CASPAR	NN 120.14 200mm / 8”	14mm



CASPAR	NN 120.16 200mm / 8”	16mm



SYPERT	NN 129.03 290mm / 11½”	3 x 8mm



SYPERT	NN 129.04 290mm / 11½”	4 x 10mm



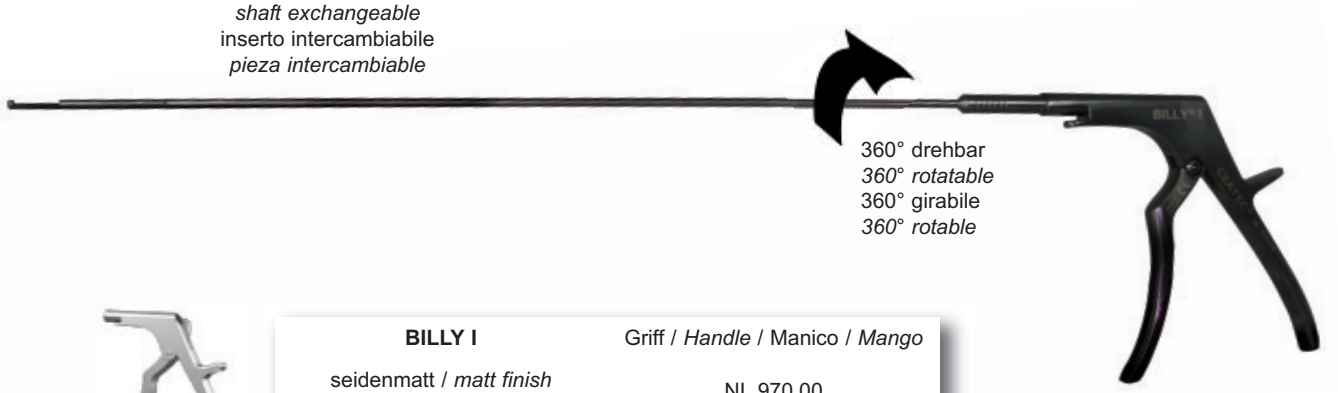
SYPERT	NN 129.05 290mm / 11½”	5x 15mm



SYPERT	NN 129.06 290mm / 11½”	6 x 20mm



wechselbarer Schaft
shaft exchangeable
inserto intercambiabile
pieza intercambiable

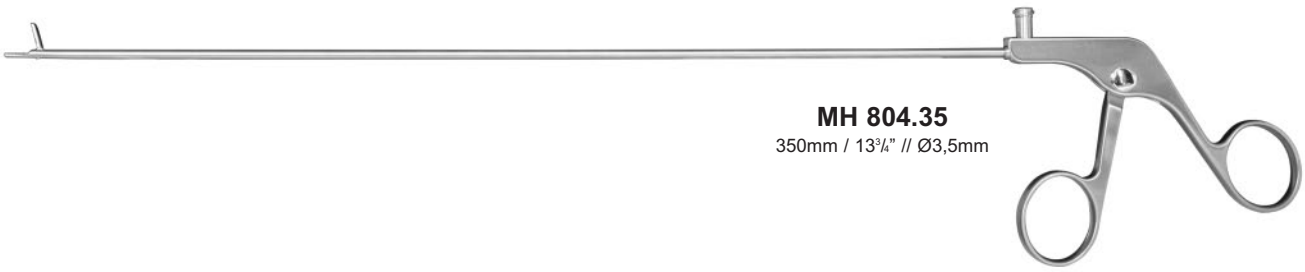


360° drehbar
360° rotatable
360° girabile
360° rotable



BILLY I	Griff / *Handle* / Manico / *Mango*
seidenmatt / *matt finish* opaco / *apagado*	NL 970.00
schwarz / *black coated* / superficie nera / *recubrir negro*	NL 970B00

BILLY I	Laminektomiestanze, 360° drehbar, wechselbarer Schaft *Laminectomy Punch, 360° rotable, shaft exchangeable* Pinza Laminectomia, 360° girevole, inserto intercambiabile *Pinza Osteótomo, 360° rotable, pieza intercambiable*	
Maulbreite *Bite size* Larghezza del morso *Anchura de la boca*	36cm seidenmatt / *matt finish* opaco / *apagado*	36cm schwarz / *black coated* / superficie nera / *recubrir negro*
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 / 13¾" // Ø3,5mm



MH 802.35
350mm / 13¾" // Ø3,5mm
Löffelzange, Maul 4mm
Forceps cup shaped, jaw 4mm
Pinza forma di cucchiaio, bocca 4mm
Pinza forma cuchara, boca 4mm



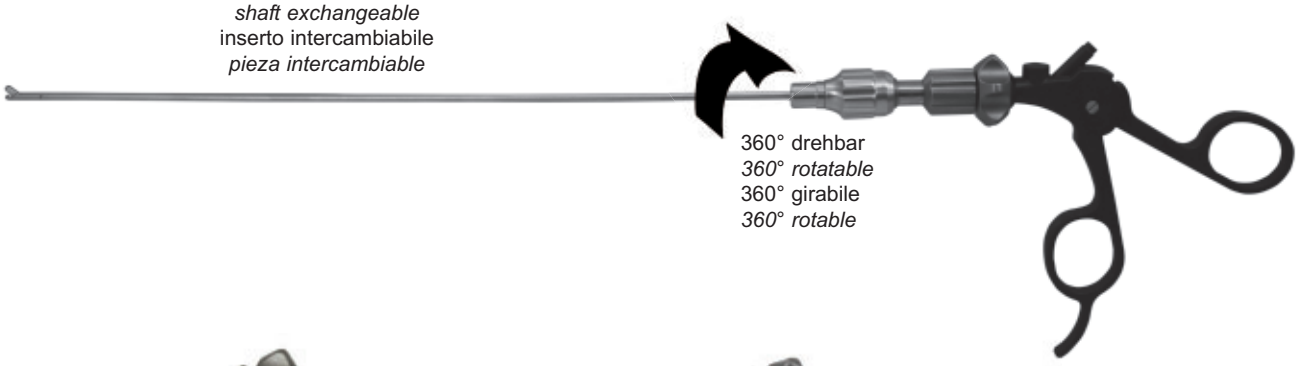
MH 804.35
350mm / 13¾" // Ø3,5mm
Fasszange
Grasping Forceps
Pinza
Pinza



MA 800.35
350mm / 13¾" // Ø3,5mm
Hakenschere
Scissor
Forbici
Tijera



wechselbarer Schaft
shaft exchangeable
inserto intercambiabile
pieza intercambiable



360° drehbar
360° rotatable
360° girabile
360° rotable



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

abwinkelbar
can be angled
angolabile
angular



MH 825.33
330mm / 13" // Ø3,5mm

Fasszange
Grasping Forceps
Pinza
Pinza



MA 821.33
330mm / 13" // Ø3,5mm

Hakenschere
Scissor
Forbici
Tijera

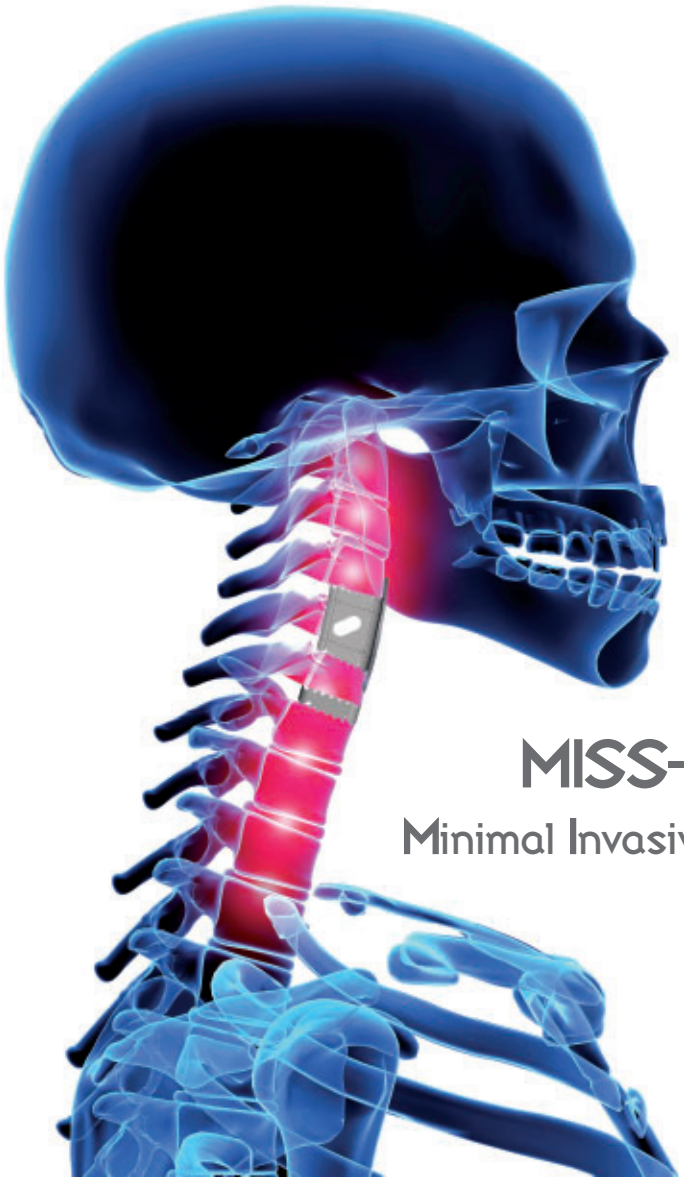




	Ø außen *Ø outside* Ø esterno *Ø exterior*	Ø innen *Ø inside* Ø dentro *Ø interior*	Arbeitslänge *Working Length* Lunghezza *Largo*	Blickrichtung *Direction of view* Angolo di visualizzazione *Ángulo de visualización*
NV 063 15 177	6,3mm	3,7mm	177mm	15°
NV 063 20 177	6,3mm	3,7mm	177mm	20°
NV 063 30 177	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 *Largo*	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

CEATEC MEDIZINTECHNIK

IMPIANTI PER COLONNA CEREBRALE

IMPIANTES PARA LA COLUMNA CEREBRAL



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 Distraktion der angrenzenden Wirbelkörper. Resektion des Lig. Longitudinale posterius. Die Distraktion im operierten Segment soll möglichst gering gehalten werden, um die dorsalen ligamen-tären 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 Distraktion und Kontrolle mittels C-Bogen. Nach Aufhebung der Distraktion 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 utlilizzati esclusivamente, secondo ISO 5832-3, il Titanio della prescritta lega TiAl/6V4 / ASTM F 136.

Questa lega è TAC e RMN compatibile, nonchè 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 cosrtuiti in maniera di rispettare la lordose e mantenendo l'uncus.

Tutti prodotti del MISS-System sono riempibili con spongiosa autologica e/o con idrossiapadite.

Indicazioni

Gli impianti del MISS - System sono indicati per la Spondilodese oppure per procurare un interspazio per un provvedimento chirugico (fusione per un o piu segmento/i vertebrale/i) inerenti processi degenerativi - tumorosi o difetti traumatici vertebrali (fusione per un o piu segmente/i vertebrale/i).

L'accesso operativo ventrale, con l'aiuto di un microsopio, si effetua con discec-/spondilectomia senza distrarre in modo eccesivo i corpi vicini. Resezione del lig.longitudinale posterius. Con la minima distrazione del segmento operativo , onde non dilatare eccesivamente le strutture dei legamenti dorsali.

Elaborare (vitalizzare) le due cordicalis, attenzione di non entrare nella spongiosa dei corpi, sarebbe un pericolo che l' impianto si svonde. Secondo l'altezza dello spazio intervertebrale, impiantare il giusto impianto cage, body, cage-body -cage.

L'inserimento del impianto (cage/body) si effetua aumentando l'accesso intervertebrale e sotto controllo radiologico ed utilizzando lo strumento d'introduzione idonio. Dopo aver rimosso il separatore oppure rilasciata la colonna in possizione anatomica naturale, l'impianto dev'essere situato (senza muoversi) bene. Se l'impianto si muove, dev'essere cambiato con un impianto (cage/body) di spesore 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 espongiosa autologa 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 traves 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 espongiosa 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 efectua 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.



CD 00 000 00

CD = DISC **00** = Width **X00** = Depth **00** = Height
0**XX** = Material Titanium 1**XX** = 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
0**XX** = Material Titanium 1**XX** = 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





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



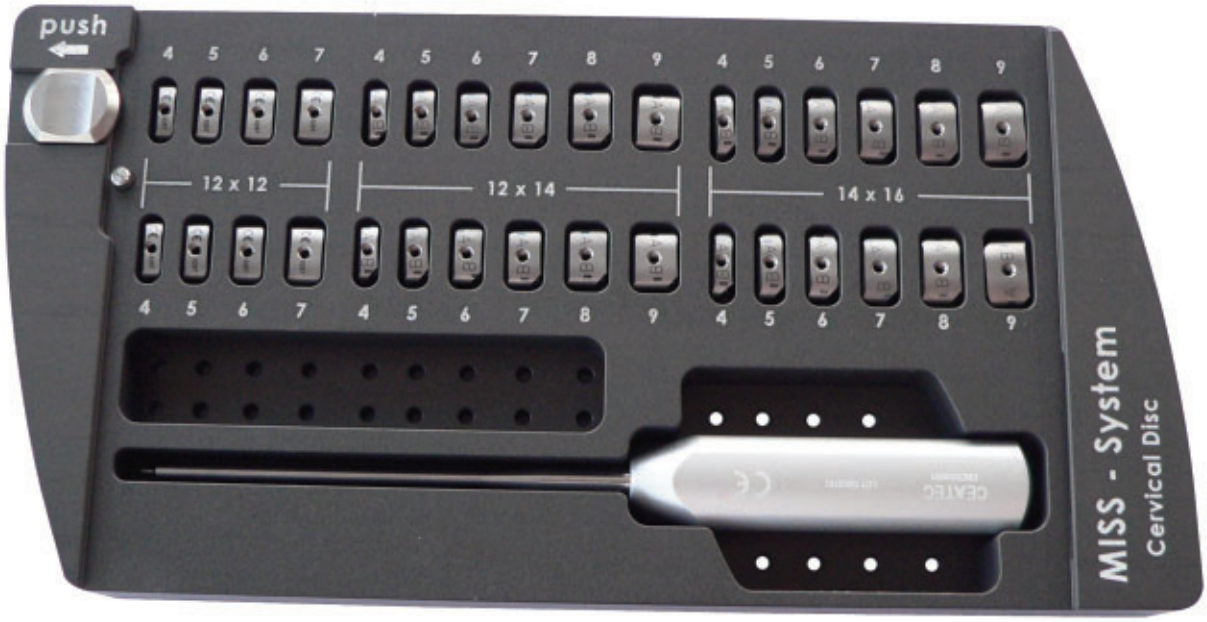
CP 00 000 00

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



CD DISC SET	SET Cage

CD 00 010 01	Sterilisationsrack für Cage Stersilisation case for Cage Supporto per sterilizzazione Cage Soporte para esterilizacioñ disco



CB CD 020 11 220mm / 8¾"	Einsetzinstrument für Cage/Body *Insert instrument for Cage/Body* Strumento p.introduzione Cage/Corpo *Instrum. p.introduccioñ Disco/Cuerpo*



CB BODY SET	SET Body

CB 00 010 01	Sterilisationsrack für Body Stersilisation case for Body Supporto per sterilizzazione Corpo Soporte para esterilizacioñ Cuerpo

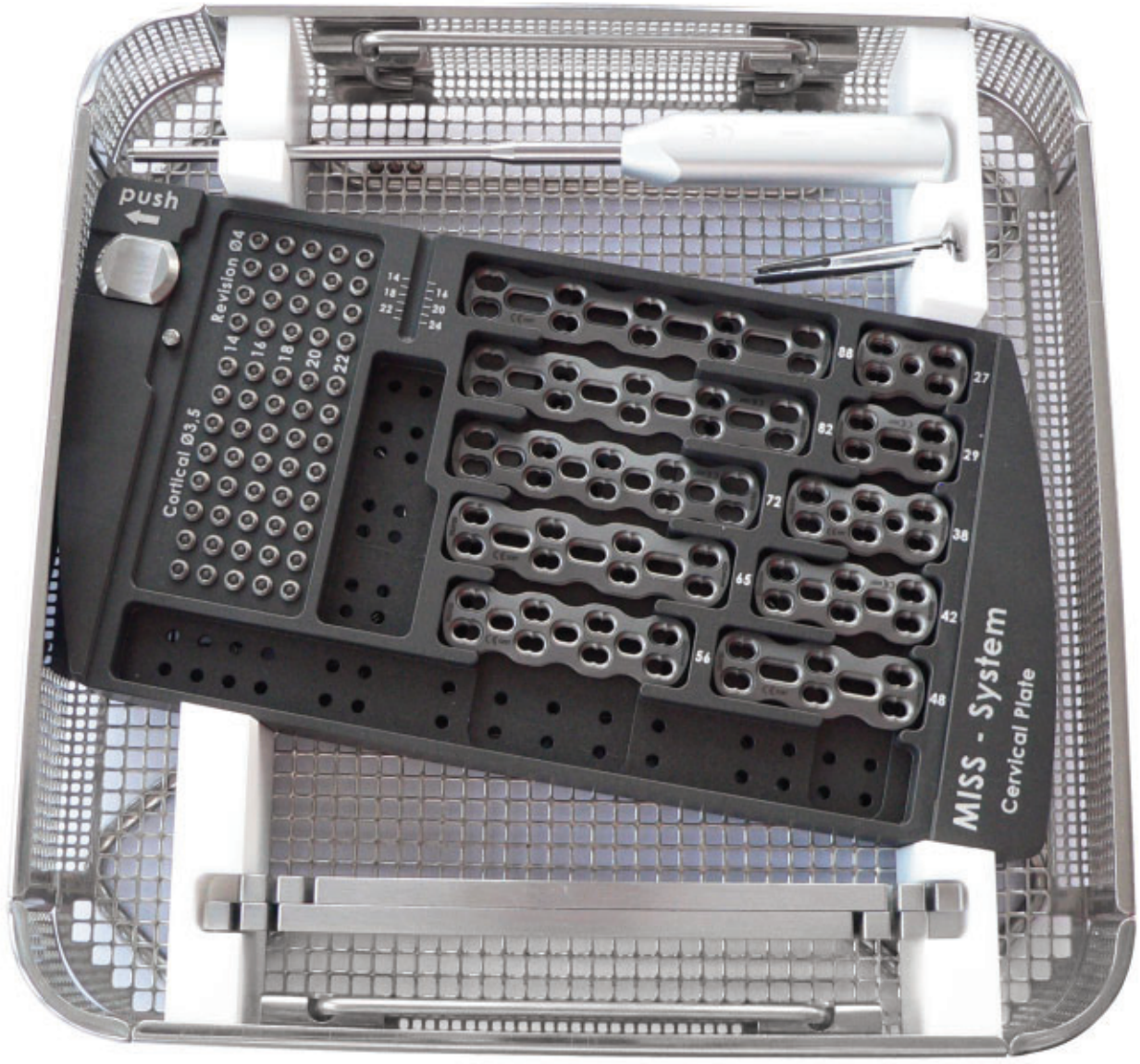


CB CD 020 11 220mm / 8¾"	Einsetzinstrument für Cage/Body *Insert instrument for Cage/Body* Strumento p.introduzione Cage/Corpo *Instrum. p.introduccioñ Disco/Cuerpo*



CB 01 020 01	Löseinstrument für Cage/Body Dismantling instrument for Cage/Body Strumento per liberare Cage/Corpo *Instrum. p.desbloquear Cage/Cuerpo*





CP CS0 SET	SET Plates & Screws (STANDARD & ANGLE-STABLE)
CP CS 010 01	Sterilisationsrack für Plates & Screws Stersilisation case f. Plates & Screws Supporto p. steriliz. Plates & Screws Soporte p. esteriliz. *Placas & Tornillos*
CP CS 020 01	Sieb für die Sterilisation Stersilisation basket Griglia per sterilizzazione *Bandeja para la esterilizacioñ*



CS 00 020 01 220mm / 8¾"	Schraubendreher Screwdriver Cacciavite *Destornillador*



CS 01 020 01	Schraubenhaltehülse 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

CEATEC MEDIZINTECHNIK

Proposte di sets

Proposición de juegos

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 géneral.*

NX 002.20

Pos.	Art. No.	Description	Qty.
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-Handel 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

Pos.	Art. No.	Description	Qty.
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

NX 004.08

Pos.	Art. No.	Description	Qty.
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-Mixter 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

NX 004.01

Pos.	Art. No.	Description	Qty.
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	Volkmann Retractor, sharp, 4 teeth	2
21	AD 221.04	Volkmann 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

NX 002.22

Pos.	Art. No.	Description	Qty.
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

Pos.	Art. No.	Description	Qty.
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

NX 004.04

Pos.	Art. No.	Description	Qty.
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

NX 004.09

Pos.	Art. No.	Description	Qty.
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 Forsep Tiss.12cm,with Teeth	2
9	AB 406.12	Micro-Adson Forsep 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

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NL 988.05	271	NL 990.04	272	NL 992.03	273	NL 994.42	282	NL 996.31	283
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NL 988.11	271	NL 990.06	272	NL 992.05	273	NL 994.44	282	NL 996.33	283
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