



Neurochirurgie
Neurosurgery
Neurocirugia
Neurochirurgia



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Ausgabe Nr. 2
Datum: 08/2011

| Charrière (Ch) French (F) | Durchmesser in mm | Inches | Gauge (G) | Durchmesser in mm | Inches |
|------------------------------|----------------------|--------|-----------|----------------------|--------|
| 1 | 0,33 | 0,013 | 35 | 0,13 | 0,005 |
| 2 | 0,67 | 0,025 | 34 | 0,18 | 0,007 |
| 3 | 1,00 | 0,039 | 33 | 0,20 | 0,008 |
| 4 | 1,33 | 0,051 | 32 | 0,23 | 0,009 |
| 5 | 1,67 | 0,065 | 31 | 0,25 | 0,010 |
| 6 | 2,00 | 0,0787 | 30 | 0,30 | 0,012 |
| 7 | 2,33 | 0,092 | 29 | 0,33 | 0,013 |
| 8 | 2,67 | 0,105 | 28 | 0,36 | 0,014 |
| 9 | 3,00 | 0,1181 | 27 | 0,41 | 0,016 |
| 10 | 3,33 | 0,131 | 26 | 0,46 | 0,018 |
| 11 | 3,67 | 0,144 | 25 | 0,51 | 0,020 |
| 12 | 4,00 | 0,1575 | | 0,53 | 0,021 |
| 13 | 4,33 | 0,170 | 24 | 0,56 | 0,022 |
| 14 | 4,67 | 0,184 | 23 | 0,64 | 0,025 |
| 15 | 5,00 | 0,1968 | 22 | 0,71 | 0,028 |
| 16 | 5,33 | 0,210 | 21 | 0,81 | 0,032 |
| 17 | 5,67 | 0,223 | 20 | 0,89 | 0,035 |
| 18 | 6,00 | 0,2362 | | 0,97 | 0,038 |
| 19 | 6,33 | 0,249 | 19 | 1,07 | 0,042 |
| 20 | 6,67 | 0,263 | 18 | 1,27 | 0,050 |
| 21 | 7,00 | 0,2756 | 17 | 1,50 | 0,059 |
| 22 | 7,33 | 0,288 | 16 | 1,65 | 0,065 |
| 23 | 7,67 | 0,302 | 15 | 1,83 | 0,072 |
| 24 | 8,00 | 0,3150 | 14 | 2,11 | 0,083 |
| 25 | 8,33 | 0,328 | 13 | 2,41 | 0,095 |
| 26 | 8,67 | 0,341 | 12 | 2,77 | 0,109 |
| 27 | 9,00 | 0,3543 | 11 | 3,05 | 0,120 |
| 28 | 9,33 | 0,367 | 10 | 3,40 | 0,134 |
| 29 | 9,67 | 0,380 | 9 | 3,76 | 0,148 |
| 30 | 10,00 | 0,3973 | 8 | 4,19 | 0,165 |
| 31 | 10,33 | 0,407 | 7 | 4,57 | 0,180 |
| 32 | 10,67 | 0,420 | 6 | 5,16 | 0,203 |
| 34 | 11,33 | 0,446 | | | |
| 36 | 12,00 | 0,4724 | | | |
| 38 | 12,67 | 0,494 | | | |
| 40 | 13,33 | 0,5199 | | | |
| 45 | 15,00 | 0,5905 | | | |

| | |
|-------|----------|
| 1 OZ | 0,028 ml |
| 5 OZ | 0,140 ml |
| 16 OZ | 0,450 ml |

| | |
|--------|-------|
| 35 OZ | 1,0 l |
| 128 OZ | 3,7 l |

GARANTIE / WARRANTY / GARANTIA / GARANZIA

GARANTIE

Wir gewähren auf alle **Reda**-Instrumente 5 Jahre Garantie. Voraussetzung ist der sach- und fachgerechte Einsatz der Instrumente.
Von der Garantie sind Verschleißerscheinungen ausgeschlossen.

WARRANTY

Our **Reda** products are free from manufacturing defects in material and workmanship. We therefore give on all instruments a guarantee of five years provided that the instruments are maintained and cleaned properly and used normally for their intended purpose.

GARANTIA

Estamos convencidos de nuestra calidad y concedemos a todos los instrumentos de **Reda** 5 años de garantía contra cualquier defecto de fabricación, siempre y cuando se usen adecuadamente. De la garantía excluimos la manifestación de desgaste.

GARANZIA

Siamo convinti della nostra qualità e concediamo cinque anni di garanzia sulla funzione dei tutti gli strumenti **Reda** sotto la presupposizione che l'utilizzo è da esperto.

Escluso della garanzia sono tracce di consumo.

Arbeitsanweisung

Aufbereitung (Reinigung) und Sterilisation von resterilisierbaren chirurgischen Instrumenten

DIN EN ISO 17664:2004 (D)

Hersteller:
REDA Instrumente GmbH, Gänsäcker 34
78532 Tuttlingen

Alle von Reda gelieferten wieder verwendbaren Instrumente wurden ausschließlich für den chirurgischen Gebrauch konstruiert und dürfen zu keinen anderen Zwecken benutzt werden. Unsachgemäße Handhabung und sorglose Pflege sowie zweckentfremdeter Gebrauch können zu vorzeitigem Verschleiß der Instrumente führen. Die Produkte sind bei der Auslieferung nicht sterilisiert.

Reinigungsvorbereitung

Fabrikneue Instrumente müssen vor der ersten Anwendung den gesamten Aufbereitungsprozess durchlaufen. Instrumente unmittelbar nach Anlieferung aus den Folienverpackungen entnehmen und in trockenen Räumen bei gleichbleibender Raumtemperatur luftoffen lagern, um Kondensationsbildung zu vermeiden.

Die Instrumente keinen Sonnenlichteinstrahlungen oder Dämpfen durch Chemikalien (Säuren oder scharfe Reinigern) aussetzen.

Vor der ersten Sterilisation alle Schutzkappen und Folien vollständig entfernen und anschließend reinigen.

Gebrauchte Instrumente unmittelbar nach Beendigung des Eingriffs von Blut, Gewebe und Arzneimittel reinigen. Instrumente in eine freigegebene Lösung eines kombinierten Reinigungs- und Desinfektionsmittels, das keine proteinfixierende Wirkung besitzt, einlegen.

Dosierung des Herstellers beachten. Nicht in NaCl Lösung einlegen, ansonsten Gefahr für Loch- bzw. Spannungsriß-Korrosion

Überfüllung von Instrumentensieben und Wasch-Trays vermeiden.

Gelenkinstrumente vor dem Aufbereiten öffnen. Zerlegbare Instrumente gemäß Bedienungsanleitung (Piktogramm) zur Reinigung zerlegen. Reinigungsgerechtes Zubehör verwenden. Für die manuelle Reinigung nie Metallbürsten oder Metallschwämme verwenden. Spülmaschinen und Ultraschallanlagen nicht überladen. Spül- oder Schallschatten vermeiden. Dosierung, Einwirkzeit und Einwirktemperatur bei der Desinfektion und Reinigung unbedingt einhalten. Nach der Reinigung sorgfältig spülen. Möglichst vollentsalztes (demineralisiertes) Wasser verwenden.
Nach dem Spülen ausreichend trocknen.
Abgenutzte, korrodierte, deformierte, poröse oder anderweitig beschädigte Instrumente aussortieren.

Aus hygienischen Gründen müssen Instrumente, die zur Reparatur eingesandt werden komplett aufbereitet werden.

Gelenkinstrumente nach jeder Aufbereitung mit einem Pflegemittel auf Basis von Paraffinöl behandeln (gilt nicht für flexible Endoskope und Zubehör).

Funktionsprüfung in zusammengebautem Zustand durchführen.

Instrumente mit Rastensperre vor der Sterilisation nur im ersten Zahn schließen.

Als Sterilisationsverfahren empfehlen wir die Dampfsterilisation (üblicherweise mit Sattdampf bei 134° C)

Sterilisation ist kein Ersatz für Sauberkeit!

Die Broschüre "Instrumenten-Aufbereitung richtig gemacht" des Arbeitskreis Instrumenten-Aufbereitung dient als Anhalt.

Reda Instrumente GmbH
78532 Tuttlingen

IMPORTANT INFORMATION CONCERNING PREPARING AND STERILIZING SURGICAL INSTRUMENTS

Dear Sirs,
please read the following instructions very carefully before using the instruments.

1. INITIAL USE

All instruments which are being used for the first time must be thoroughly cleaned, rinsed and then sterilized before using.

2. TREATING INSTRUMENTS AFTER USAGE

- a.) The instruments might be immediately thoroughly cleaned and disinfected. Please follow the manufacturer's instructions when using cleaning agents and disinfectants.
- b.) Instruments which may be dismantled must be cleaned and disinfected after being taken apart.
- c.) Cleaning may be carried out either manually or with a machine. Care should be taken that only cleaning agents and disinfectants are used, which are changed daily.
- d.) Following chemical disinfection and manual cleaning, all instruments must always be thoroughly rinsed under running water.
- e.) The temperature of water used in a machine for cleaning should not exceed 45°C.
- f.) Whether cleaning is carried out manually or by machine, we especially ask you to ensure that the correct dosage for cleaning solutions or the correct combination of disinfectant and cleaning solution, is employed. Similar importance should be applied to the length of time the agents require to perform properly and to the temperature set.
- g.) Hinged instruments should be opened before cleaning.
- h.) Please ensure that the perforated instrument trays, when loaded, do not exceed 10 kg in weight.
- i.) Please take care that when instruments are being cleaned they are arranged proper in a manne that fluids can circulate freely.
- j.) Deposits remaining after the cleaning process must be completely removed in the first rinse which now follows. The optimum temperature for final rinsing has proved to be between 70° and 90° C. Please use only purified water in this final cleaning stage.
- k.) The instruments must be carefully dried after cleaning and rinsing is completed.
- l.) Moving parts and the cutting edges of shears and scissors must be treated with preservatives which are both suitable and physiologically safe.

3. TESTING FOR CORRECT FUNCTIONING

- a.) Instruments must be carefully and thoroughly checked before every occasion that they are used.

- b.) After each time they are cleaned, the instruments must be macroscopically clean, i.e., visibly free from proteinbased residues and other soiling.
- c.) Care should be taken so that cracks, breakages and corrosion are noticed.
- d.) Instruments with flecks should be separated and taken out for special treatment.
- e.) All moving parts as well as working tips and blades should be checked with special care.
- f.) Checking should be carried out according to the extent to which the instruments will be used.
- g.) Instruments which are in any way defective or damaged should be immediately sorted out from the others.

4. STERILIZATION

- a.) All stainless steel surgical instruments supplied by us may be sterilized in an autoclave.
- b.) Please follow the manufacturer's operating instructions when using autoclave. All machines used must comply with all current quality and other standards.
- c.) Instruments are being sterilized/ autoclaved at a temperature of 134°C.
- d.) Sterilization packing material must comply with all current standards.
- e.) Instruments with ratchets or self-retaining mechanisms should be sterilized opened or in the firest ratchet position.
- f.) Please ensure that perforated instrument trays, when loaded do not exceed 10 kg in weight.

5. IN GENERAL

- a.) All surgical instruments supplied by us have been thoroughly inspected before dispatch and leave our factory in perfect condition. Damage which can arise as a result of transporting, cleaning, preserving, sterilizing or storing, must be prevented.
- b.) Please handle surgical instruments always with the utmost care.
- c.) Instruments must be stored in a clean and dry place.
- d.) If you have any queries or problems please contact us at any time:

We should like to point out that, if the above-mentioned directions are not followed or the instruments supplied by us are not properly used, all guarantee claims become void and any consequences must be borne by yourselves.

SUGERENCIAS PARA LA LIMPIEZA, ESTERILIZACIÓN Y MANTENIMIENTO DE INSTRUMENTOS QUIRÚRGICOS

ENJUAGADO

Tras el uso enjuagar enseguida los instrumentos bajo un chorro de agua caliente (no hirviendo). El enjuagado debe servir para quitar los residuos de sangre, mucosas y tejidos.

LIMPIEZA

Si la limpieza no se efectúa inmediatamente después del enjuagado, los instrumentos tienen que sumergirse en una solución de agua y detergente con PH neutro (7)

Para los instrumentos muy delicados (algunos tipos de porta agujas o tijeras se aconseja una limpieza manual: ver punto "C".

a.- Limpieza en la pila de ultrasonido

Los instrumentos tienen que estar en la pila el tiempo necesario recomendado por el fabricante para efectuar el ciclo del lavado, generalmente de 5 a 10 minutos.

Los instrumentos con bisagras o juntas (articulaciones) tienen que sumergirse en la piletta en posición abierta.

Asegurarse de que las hojas afiladas de las tijeras, bisturíes para gingivectomía, curetas, etc. no estén en contacto con otros instrumentos.

Todos los instrumentos deben estar completamente sumergidos en la solución de lavado.

No poner instrumentos de diferentes metales (acero inoxidable, instrumentos cromados, latón, etc.) en el mismo ciclo de lavado.

Cambiar a menudo la solución para el lavado, como mínimo todas las veces que lo recomienda el fabricante de la pilita de ultrasonidos.

Enjuagar concienzudamente los instrumentos con agua corriente tras lavado con ultrasonidos para quitar los residuos de la solución de lavado.

b.- Limpieza con lavadora

Seguir las indicaciones del fabricante. Asegurarse de que los instrumentos hayan sido lubricados tras el último ciclo de lavado y antes del ciclo de esterilización.

c.- Limpieza manual

La mayor parte de los fabricantes de instrumentos indican el lavado con los ultrasonidos como el modo mejor y más eficaz para limpiar los instrumentos quirúrgicos, especialmente los que tienen bisagras, cierres y en general articulaciones. Si la limpieza con los ultrasonidos no es posible, se aconseja usar el método siguiente:

- Usar cepillos rígidos de plástico, nylon, etc.
- Cepillar concienzudamente los instrumentos más delicados y, si es posible, enjuagar, limpiar y esterilizar estos instrumentos separadamente.
- Verificar que toda la superficie de estos instrumentos esté limpia.
- Tras haber cepillado los instrumentos, enjuagarlos bajo el chorro de agua corriente.
- Durante el enjuagado abrir y cerrar las tijeras, las pinzas hemostáticas, los porta agujas y los demás instrumentos con bisagras o juntas y asegurarse de que las partes internas de las bisagras estén perfectamente enjuagadas como la superficie externa del instrumento.

SECADO, LUBRICACIÓN E INSPECCIÓN

Tras las operaciones de limpieza y de enjuagado, los instrumentos quirúrgicos tienen que ser secados perfectamente.

Todos los instrumentos con junturas o bisagras (acción "metal contra metal") como tijeras, pinzas hemostáticas, porta agujas, fórceps de extracción, etc., tienen que ser lubricados. Se aconsejan lubricantes específicos para el instrumental quirúrgico. No usar aceites o lubricantes industriales.

A este punto es buena norma inspeccionar el estado de cada instrumento y verificar el funcionamiento según el uso específico. Controlar y asegurarse de que:

- Las hojas de las tijeras estén lisas de arriba abajo y de que, una vez cerradas, no hagan juego. Probar las tijeras cortando gasa muy fina. Tres cuartas partes de la hoja tienen que cortar la gasa sin retenerla.

- Las puntas de las pinzas estén al mismo nivel.
- Las pinzas hemostáticas y los porta agujas no dejen pasar la luz entre las puntas cuando estén cerradas, se abran y cierren fácilmente y que las bisagras no estén demasiado flojas.
- Controlar el desgaste de la porta agujas sobre la superficie interna de las puntas.
- Las cámaras metálicas de aspiración estén bien limpias en su interior.
- Los instrumentos cortantes y los bisturíes tengan las hojas bien afiladas y no estropeadas.

ESTERILIZACIÓN EN AUTOCLAVE

Tras haber enjuagado, limpiado, secado, lubricado e inspeccionado los instrumentos, éstos pueden ser preparados para la esterilización separadamente o en serie.

Instrumentos individuales:

Las bolsas especiales monouso son el ideal para contener los instrumentos. Asegurarse de que las bolsas que contendrán los instrumentos con cierres y articulaciones (pinzas hemostáticas, porta agujas, etc.) sean lo bastante grandes como para contener los citados instrumentos en posición abierta.

Instrumentos en serie:

Poner los instrumentos en los especiales cestos o bandejas de acero inoxidable. Poner los instrumentos más pesados en la parte inferior cuando sean necesarias varias bandejas.

No cerrar nunca los instrumentos durante el ciclo en autoclave. Un instrumento cerrado no estará nunca bien esterilizado, ya que el vapor no puede penetrar en la parte de cierre a contacto "metal contra metal". En el instrumento podría además romperse en la parte de la bisagra a causa de la expansión del metal debido al calor durante el ciclo del autoclave.

No cargar demasiado la cámara del autoclave ya que algunos instrumentos podrían formar "zonas de sombra" sobre otros en los que el vapor no penetraría.

ATENCIÓN

Al final del ciclo de esterilización - antes del ciclo de secado- abrir ligeramente la portezuela del autoclave y proceder con el ciclo deseado según las instrucciones del fabricante. Si la portezuela del autoclave se abre完全mente antes del ciclo de secado, el aire frío de la habitación entraría en la cámara del autoclave causando la formación de condensación sobre los instrumentos y de consecuencia aparecerían las manchas de agua que vemos a menudo en los mismos.

ESTERILIZACIÓN EN FRÍO:

La mayor parte de las soluciones para la esterilización en frío esterilizan los instrumentos completamente tras 10 horas de inmersión. Esta acción química prolongada puede ser más perjudicial para los instrumentos que el ciclo normal de 20 minutos en autoclave.

Si los instrumentos tienen necesidad de ser simplemente "desinfectados", el proceso en frío es adecuado, ya que la desinfección tiene lugar en 10 minutos solamente.

Recuerde bien la diferencia entre:

ESTÉRIL - término absoluto (ningún organismo logra sobrevivir) y

DESINFECTADO - perfectamente limpio.

Usen siempre la técnica más adecuada de esterilización/limpieza de los instrumentos según el uso que se haga posteriormente de ellos.

Recuerden que la esterilización de los instrumentos no sustituye la limpieza de los mismos.

Recomendamos no volver a usar ni esterilizar los artículos de un solo uso.

Si se tratan en el modo correcto los instrumentos construidos con las modernas aleaciones inoxidables pueden durar muchos años.

INDICAZIONI PER LA CURA, PULITURA E LA STERILIZZAZIONE DELLO STRUMENTARIO CHIRURGICO RISTERILIZZABILE

Misure preventive anticorrosione

- 1) Raggruppare accuratamente gli strumenti correttamente confezionati e sterilizzati prima dell'operazione; selezionarli secondo l'intervento. Verificare sempre che la confezione esterna sia integra e che lo strumento stesso non sia danneggiato.
- 2) Assicurarsi tramite l'indicatore di sterilizzazione collocato all'interno del vaglio che il contenuto sia stato sterilizzato.
- 3) Disporre gli strumenti seguendo l'ordine di utilizzo durante l'operazione; lasciare gli strumenti non necessari nel vaglio; predisporre gli strumenti solo immediatamente prima dell'operazione.
- 4) Nel corso dell'operazione rimuovere dagli strumenti sangue ed altri materiali biologici; dopo l'uso, riporre gli strumenti nel corretto alloggiamento.
- 5) Risciacquare opportunamente gli strumenti cavi, al fine di evitare l'adesione di sangue e polvere d'osso.
- 6) Per la pulitura degli strumenti utilizzare una soluzione lattata o una soluzione salina, ma non immergerli nelle suddette soluzioni.
- 7) Iniziare l'operazione di pulitura subito dopo l'intervento. Strumenti utilizzati su pazienti con possibili infezioni: smaltire in modo analogo, eliminando sangue, polvere d'osso parti di tessuto in eccesso.
- 8) Pulire gli strumenti in un luogo previsto nell'ambito della sala operatoria.

Nel caso in cui gli strumenti vadano collocati direttamente nella centrale di sterilizzazione, è necessario dapprima coprirli, per evitare il rischio di contaminazione ai danni del personale o dell'ambiente circostante.

Disinfezione

Durante l'uso di disinfettanti chimici è necessario osservare scrupolosamente le indicazioni del produttore; utilizzare le soluzioni sempre previa diluizione. Nella fase termica di disinfezione con acqua bollente assicurarsi che l'acqua sia priva di corpi estranei.

Pulitura

Indipendentemente dal metodo utilizzato per la pulitura (meccanico o manuale) si raccomanda di verificare attentamente quale detergente vada utilizzato con ciascun metodo. Valori pH consigliati: tra 7,0 e 8,5.

1) Pulitura meccanica

Osservare scrupolosamente le istruzioni d'uso fornite dal produttore della macchina pulitrice. Predisporre gli

strumenti per la pulitura meccanica. Tutti gli strumenti appuntiti e delicati dovrebbero essere puliti manualmente.

Non sovraccaricare i vagli, mettere gli strumenti pesanti sul fondo del vaglio. Se necessario, immergere e risciacquare gli strumenti molto sporchi (strumenti cavi), prima di collocarli nella lavatrice.

2) Pulitura ad ultrasuoni

(fa parte dei metodi di pulitura meccanica)

Prima di inserire uno strumento nel bagno ad ultrasuoni, rimuovere i materiali organici in eccesso. I bagni ad ultrasuoni sono consigliati per le filettatrici o gli strumenti con solchi profondi. L'ultrasuono deve essere seguito da un programma di risciacquo normale.

3) Pulitura manuale

Richiede diverse spazzole in nylon, una canna da soffio ed un ugello da soffio/ un dispositivo ad aria compressa pulito, detergenti e solventi come per la pulitura meccanica.

Per gli additivi di pulitura osservare le indicazioni fornite dal produttore.

Per la pulitura degli strumenti dotati di cannula, passare più volte lo spazzolino di nylon attraverso la cannula eseguendo movimenti rotatori (non utilizzare spazzole in lana d'acciaio/metallo) fino alla completa rimozione dei residui eliminabili con questo metodo.

Soffiare poi con aria compressa nella cannula.

4) Asciugatura

Ogni strumento deve essere asciugato completamente sia internamente che esternamente per evitare la formazione di ruggine o malfunzionamenti.

Indicazioni per la sterilizzazione della strumentazione

Pulire immediatamente ed asciugare bene gli strumenti usati, non utilizzare detergenti e disinfettanti con additivi fortemente acidi o alcalini (ad es. soda, soda caustica o acidi)!

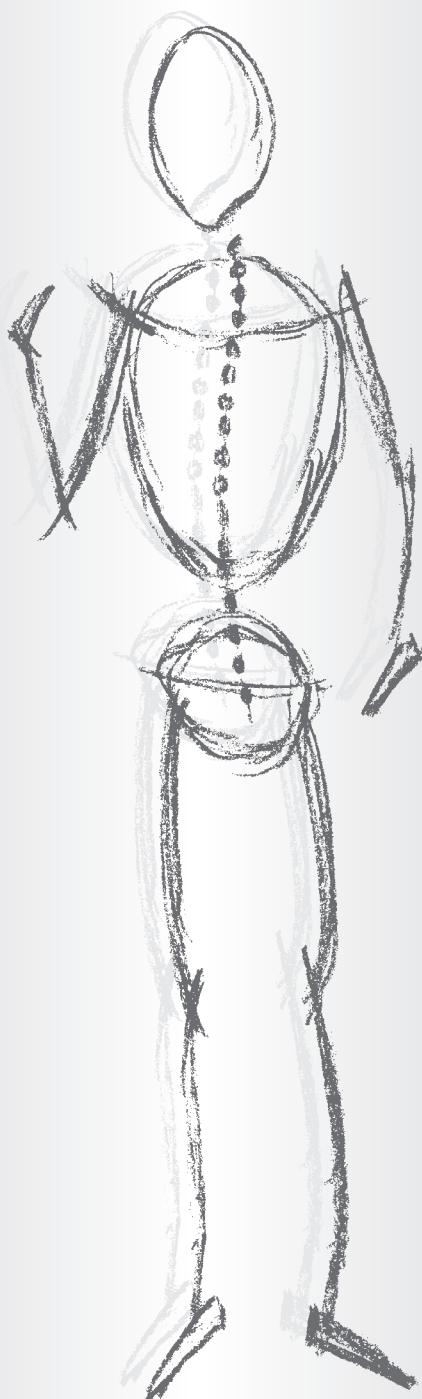
Sterilizzare la strumentazione solo a vapore A 134°!

Prima della sterilizzazione, assicurarsi che gli strumenti siano perfettamente funzionanti ed integri. La sterilizzazione non sostituisce la pulitura.

| | |
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DIAGNOSTIK

DIAGNOSTICS

DIAGNÓSTICO

DIAGNOSTICA

REDA

www.Redainstrumente.de

Perkussionshämmmer
Percussion Hammers
Martillos de percusión
Martelli da percussione



TAYLOR - USA Mod.
03288-17 17 cm, 6 3/4"
03288-20 20 cm, 8"



BABINSKY
03292-22 22 cm, 8 3/4"



TROEMNER
03294-24 24 cm, 9 1/2"



DEJERINE
03304-20 20 cm, 8"

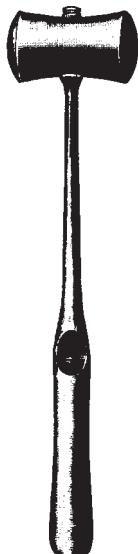


BERLINER
03306-17 17 cm, 6 3/4"



BUCK
03308-18 18 cm, 7"

Hämmer
Bone Hammers and Mallets
Martillos y mazos
Martelli



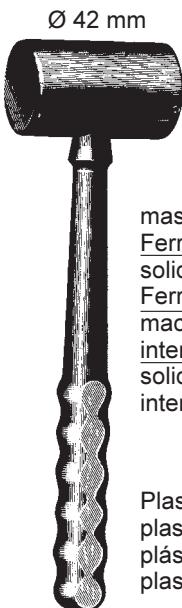
WILLIGER
33691-34
24 cm, 9 1/2"
340 g



33694-03
Ersatzbacken
Nylon Caps
Tapas de repuesto
Battenti di ricambio



33694-01
18,5 cm, 7 1/4"
135 g



massiv, mit auswechselbaren
Ferrozellbacken
solid, with interchangeable
Ferrozell jaws
macizo, con tapas
intercambiables de Ferrozell
solido, con placche
intercambiabili in Ferrozell

33695-40
26 cm, 10 1/4"
400 g



33699-17
26,5 cm, 10 1/2"
530 g

Hämmer

Bone Hammers and Mallets
Martillos y mazos
Martelli

Ø 30 mm



33700-01-01
Ersatzbacken
Nylon Caps
Tapas de repuesto
Battenti di ricambio

33700-01
24,5 cm, 9 3/4" 215 g

Ø 30 mm



COTTE
33700-05
18 cm, 7" 240 g

Ø 40 mm



OMBREDANNE
33700-07
25 cm, 10" 700 g

Ø 35 mm



komplett mit:

| | |
|-------------------------|----------|
| 1 Paar Metallbacken | 33709-01 |
| 1 Paar Kunststoffbacken | 33709-02 |
| 1 Schlüssel | 33709-03 |

complete with:

| | |
|-------------------------|----------|
| 1 pair of metal discs | 33709-01 |
| 1 pair of plastic discs | 33709-02 |
| 1 wrench | 33709-03 |

completo con:

| | |
|------------------------------|----------|
| 1 par de mandibulas de metal | 33709-01 |
| 1 par de zapatos de plástico | 33709-02 |
| 1 llave | 33709-03 |

completo di battenti:

| | |
|------------------------------|----------|
| 1 paio di ganasce di metallo | 33709-02 |
| 1 paio di dischi di plastica | 33709-02 |
| 1 chiave | 33709-03 |

WAGNER
33709-00

24,5 cm, 9 3/4" 215 g

Prüf- und Meßinstrumente, Stimmgabel
 Examination and Measuring Instruments, Tuning Fork
 Instrumentos para exámenes y medición, Diapason
 Strumenti per esaminare e misurare, Diapason



03360-01

Messbereich bis 150 mm
 measuring range up to 150 mm
 campo de medición hasta 150 mm
 calibro con scala fino a 150 mm



WARTENBERG

03320-19
 19 cm, 7 1/2"

aus Stahl
 of steel
 de acero
 di acciaio



03350-15
 1,5 m 0.6"

mm & Inch



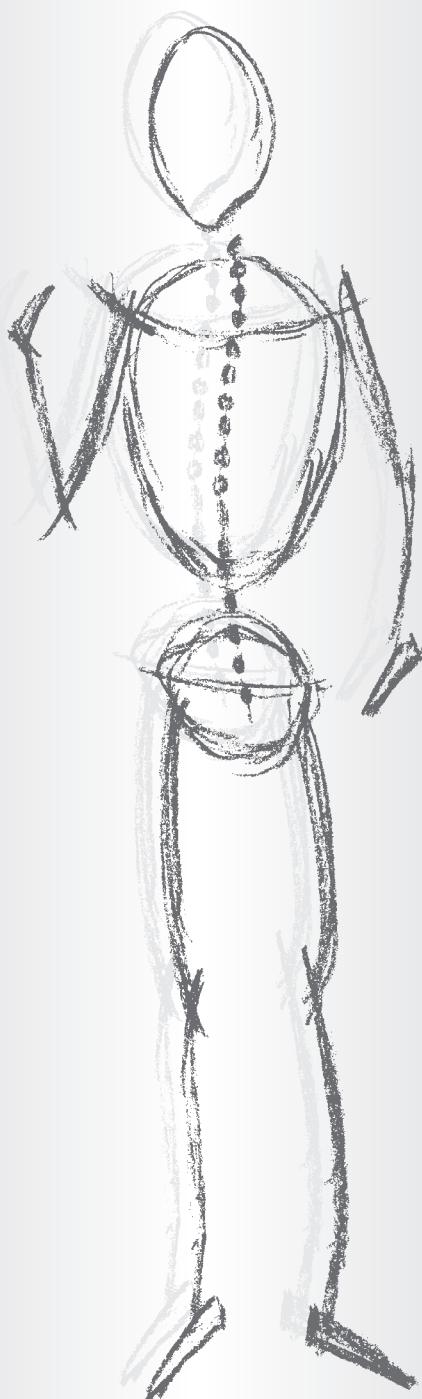
Metal

| | | |
|----------|-------|-----|
| 03340-10 | 10 cm | 4" |
| 03340-15 | 15 cm | 6" |
| 03340-20 | 20 cm | 8" |
| 03340-30 | 30 cm | 12" |
| 03340-50 | 50 cm | 20" |



45075-00

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



SKALPELLE

SCALPELS

BISTURÍES

BISTURI

REDA

www.Redainstrumente.de

Skalpell-Griffe
Scalpel Handles
Mangos de bisturíes
Manici per lame bisturi

passend zu den Klingen
for blades
para las hojas
per lame bisturi

(A) No. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



07103-00
Fig. 3
(A)



07103-01
Fig. 3 grad.
(A)



07106-01
14,5 cm 5 3/4"
(A)

Skalpell-Griffe
Scalpel Handles
Mangos de bisturíes
Manici per lame bisturi

passend zu den Klingen
for blades
para las hojas
per lame bisturi

(A) No. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



07107-00
Fig. 7
(A)



07107-01
Fig. 7K
(A)



07109-10 10,0 cm, 4"
07109-13 13,0 cm, 5"
07109-15 15,5 cm, 6"



07161-00



07162-00



07165-00



07167-00

Packung mit 10 Stück
box of 10
en cajas de 10 pzas
confezione di 10

Skalpell-Griffe
Scalpel Handles
Mangos de bisturíes
Manici per lame bisturi



CASPAR



LANDOLT

93385-21 210 mm / 8 1/4"
93385-25 250 mm / 10"

93380-13
135 mm / 5 1/2"

93380-15
155 mm / 6"

93380-18
180 mm / 7"

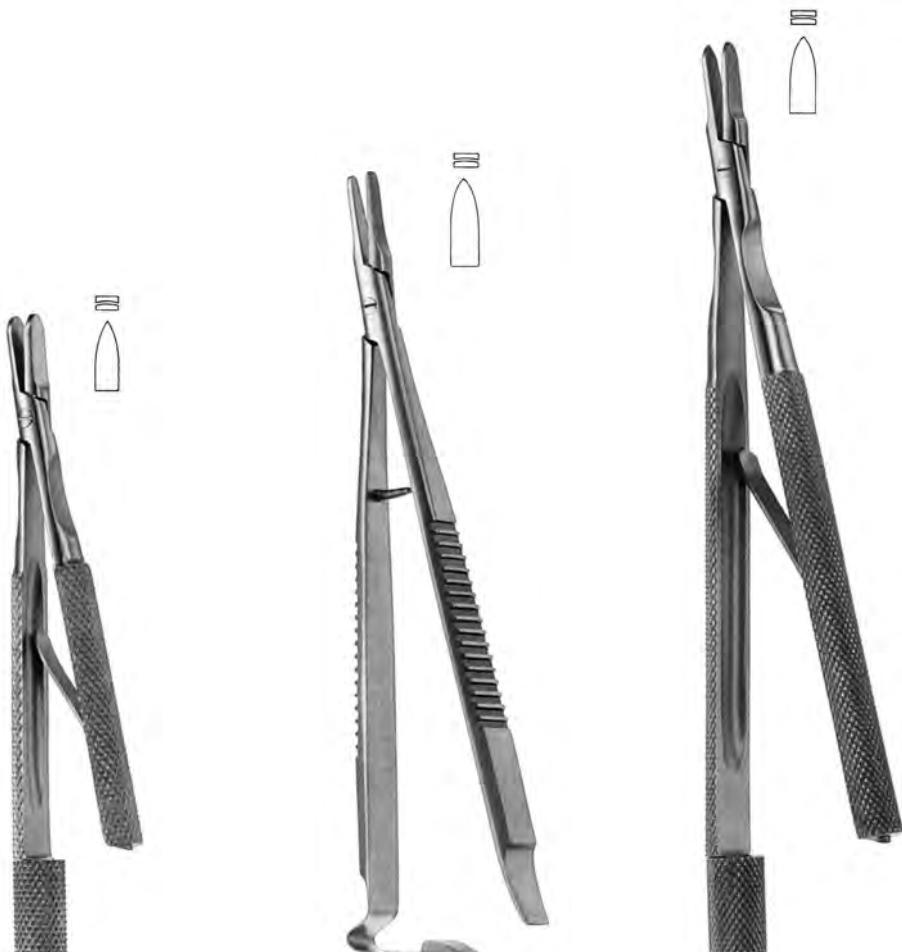
93380-20
200 mm / 8"



horizontal

LANDOLT
93390-21 210 mm / 8 1/4"

Klingenbrecher
Blade Breakers
Rompe-hojas
Rompi lama di rasoio

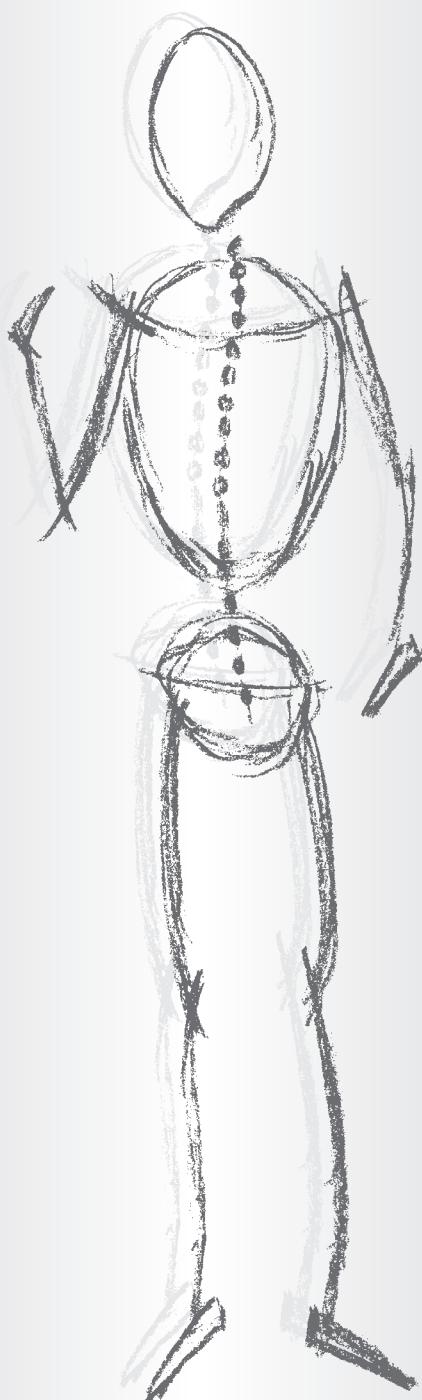


TROUTMAN-CHRIS
07290-09 9 cm, 3 1/2"

REDA
07291-11 11 cm, 4 3/8"

CASTROVIEJO
07294-13 13 cm, 5 1/8"

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



SCHEREN

SCISSORS

TIJERAS

FORBICI

REDA

www.Redainstrumente.de

Chirurgische Scheren
Operating Scissors
Tijeras para cirugía
Forbici per chirurgia



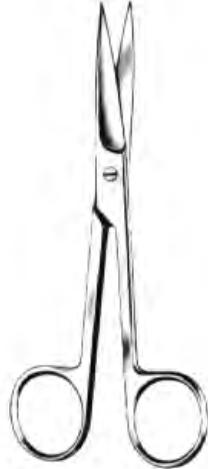
STANDARD —

09102-13 13,0 cm, 5“
09102-14 14,5 cm, 5 3/4“
09104-14 TC
09102-16 16,5 cm, 6 1/2“
09102-18 18,5 cm, 7 1/4“



STANDARD —

09110-13 13,0 cm, 5“
09110-14 14,5 cm, 5 3/4“
09114-14 TC
09110-16 16,5 cm, 6 1/2“
09110-18 18,5 cm, 7 1/4“



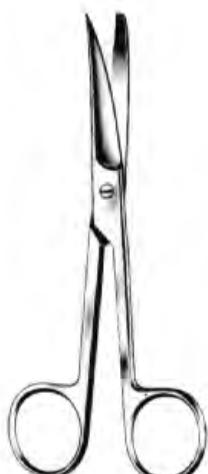
STANDARD —

09120-13 13,0 cm, 5“
09120-14 14,5 cm, 5 3/4“
09124-14 TC
09120-16 16,5 cm, 6 1/2“
09120-18 18,5 cm, 7 1/4“



STANDARD —

09103-13 13,0 cm, 5“
09103-14 14,5 cm, 5 3/4“
09105-14 TC
09103-16 16,5 cm, 6 1/2“
09103-18 18,5 cm, 7 1/4“



STANDARD —

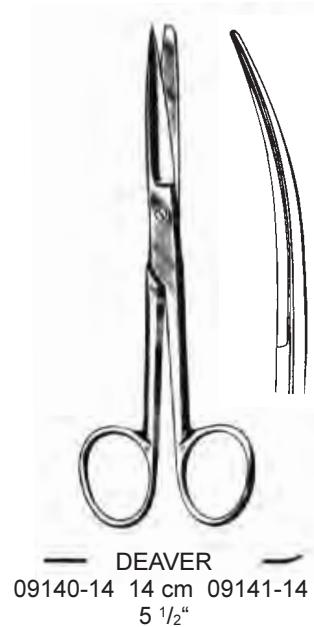
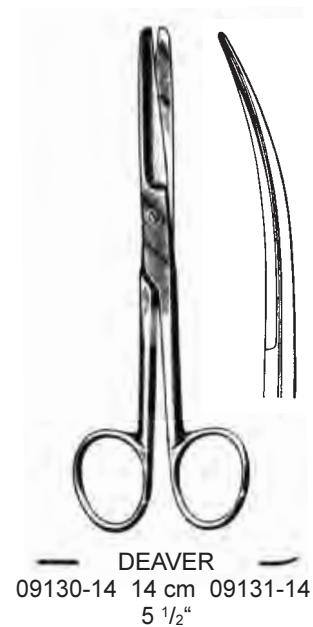
09111-13 13,0 cm, 5“
09111-14 14,5 cm, 5 3/4“
09115-14 TC
09111-16 16,5 cm, 6 1/2“
09111-18 18,5 cm, 7 1/4“



STANDARD —

09121-13 13,0 cm, 5“
09121-14 14,5 cm, 5 3/4“
09125-14 TC
09121-16 16,5 cm, 6 1/2“
09121-18 18,5 cm, 7 1/4“

Chirurgische Scheren
Operating Scissors
Tijeras para cirugía
Forbici per chirurgia



Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione



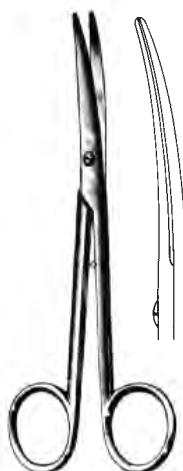
| MAYO | | |
|-------------|---------|-------------|
| 09160-14 | 14,5 cm | 09161-14 |
| 09164-14 TC | 14,5 cm | 09165-14 TC |
| | 5 3/4" | |
| 09160-17 | 17,0 cm | 09161-17 |
| 09164-17 TC | 17,0 cm | 09165-17 TC |
| | 6 3/4" | |
| 09160-23 | 23,0 cm | 09161-23 |
| 09164-23 TC | 23,0 cm | 09165-23 TC |
| | 9" | |



| MAYO-STILLE | | |
|-------------|---------|-------------|
| 09170-15 | 15,0 cm | 09171-15 |
| 09174-15 TC | 15,0 cm | 09175-15 TC |
| | 6" | |
| 09170-17 | 17,0 cm | 09171-17 |
| 09174-17 TC | 17,0 cm | 09175-17 TC |
| | 6 3/4" | |
| 09170-21 | 21,0 cm | 09171-21 |
| 09174-21 TC | 21,0 cm | 09175-21 TC |
| | 8 1/4" | |



LEXER
09190-16
09194-16 TC
16 cm, 6 1/4"



LEXER
09191-16
09195-16 TC
16 cm, 6 1/4"

Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione



METZENBAUM

| | |
|----------|--------------------|
| 09280-12 | 09284-12 TC |
| 12 cm | 4 3/4" |
| 09280-15 | 09284-15 TC |
| 15 cm | 6" |
| 09280-18 | 09284-18 TC |
| 18 cm | 7" |
| 09280-20 | 09284-20 TC |
| 20 cm | 8" |
| 09280-23 | 09284-23 TC |
| 23 cm | 9" |
| 09280-25 | 09284-25 TC |
| 25 cm | 10" |



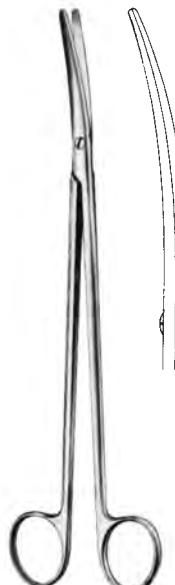
METZENBAUM

| | |
|----------|--------------------|
| 09281-12 | 09285-12 TC |
| 12 cm | 4 3/4" |
| 09281-15 | 09285-15 TC |
| 15 cm | 6" |
| 09281-18 | 09285-18 TC |
| 18 cm | 7" |
| 09281-20 | 09285-20 TC |
| 20 cm | 8" |
| 09281-23 | 09285-23 TC |
| 23 cm | 9" |
| 09281-25 | 09285-25 TC |
| 25 cm | 10" |



METZENBAUM FINO

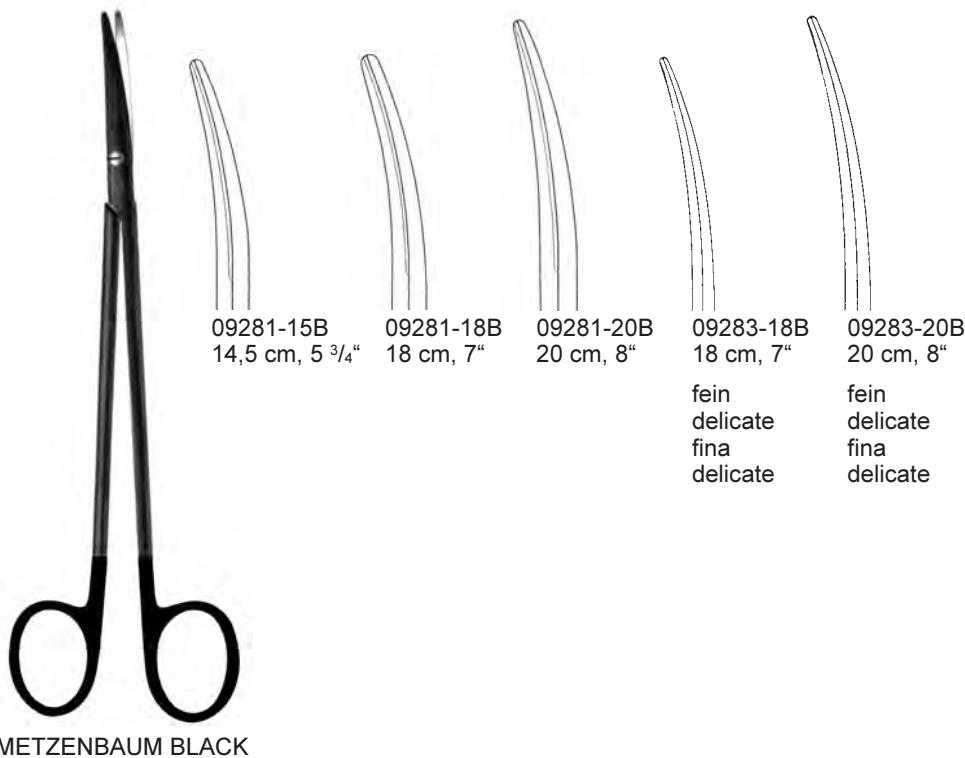
| | |
|----------|--------------------|
| 09282-15 | 09286-15 TC |
| 15 cm | 6" |
| 09282-18 | 09286-18 TC |
| 18 cm | 7" |
| 09282-20 | 09286-20 TC |
| 20 cm | 8" |
| 09282-23 | 09286-23 TC |
| 23 cm | 9" |
| 09282-25 | 09286-25 TC |
| 25 cm | 10" |



METZENBAUM FINO

| | |
|----------|--------------------|
| 09283-15 | 09287-15 TC |
| 15 cm | 6" |
| 09283-18 | 09287-18 TC |
| 18 cm | 7" |
| 09283-20 | 09287-20 TC |
| 20 cm | 8" |
| 09283-23 | 09287-23 TC |
| 23 cm | 9" |
| 09283-25 | 09287-25 TC |
| 25 cm | 10" |

Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione



Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione

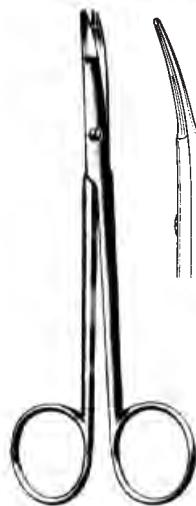


BABY-METZENBAUM BLACK
09283-15B
14,5 cm, 5 3/4"



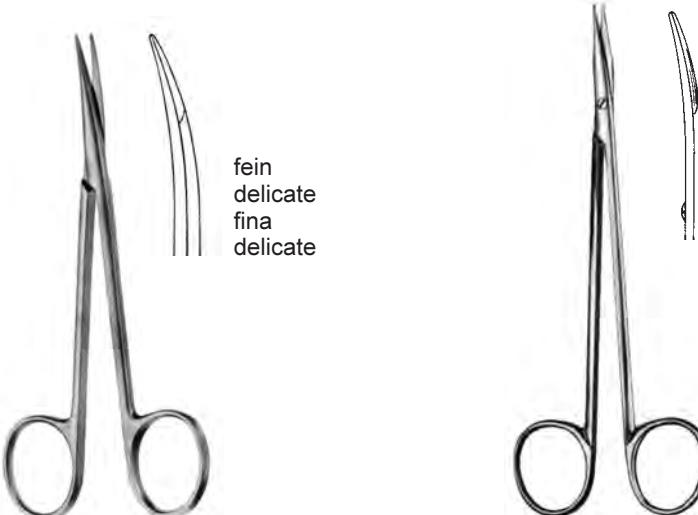
BLACK
09371-11B
11,5 cm, 4 1/2"

Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione



KILNER

- 09310-12 12 cm, 4 3/4" 09314-12 TC
- 09310-15 15 cm, 6"
- 09312-12 12 cm, 4 3/4"

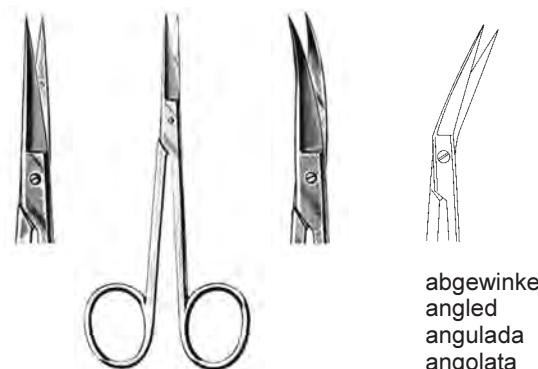


JAMESON WERBER
09322-13 13 cm, 5"

REYNOLDS —
09321-15 15 cm, 6"
09321-18 18 cm, 7"
09325-15 TC 15 cm, 6"

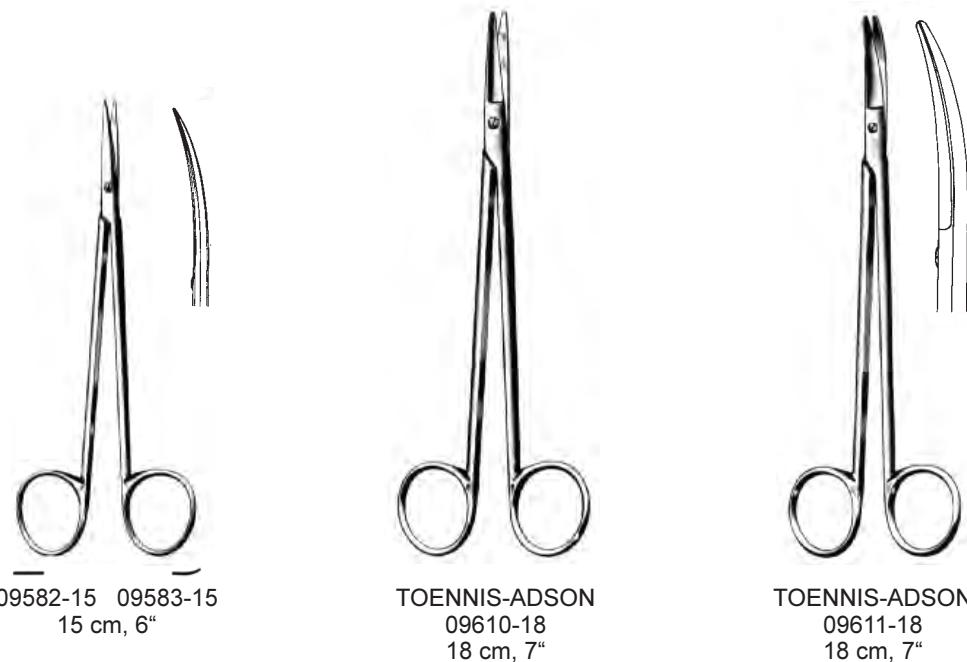
Feine Scheren, Nerv-Präparierscheren
 Delicate Scissor, Nerve Dissecting Scissors
 Tijeras finas, Tijeras de disección para nervios
 Forbici delicate per preparazione nervi

Iris - Standard



abgewinkelt
 angled
 angulada
 angolata

| | | | |
|--------------------|----------------------|--------------------|------------------------|
| 09340-09 | 9 cm, 3 1/2" | 09341-09 | 09346-11 11 cm, 4 3/8" |
| 09340-10 | 10 cm, 4" | 09341-10 | |
| 09340-11 | 11 cm, 4 3/8" | 09341-11 | |
| 09344-11 TC | 11 cm, 4 3/8" | 09345-11 TC | |

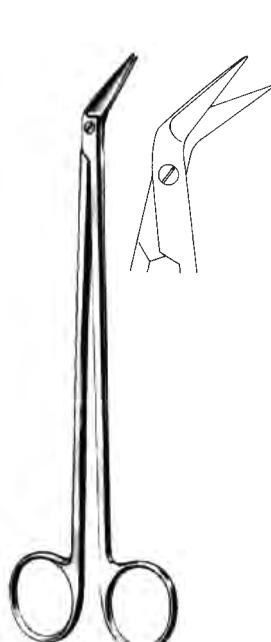


Feine Scheren
Delicate Scissors
Tijeras finas
Forbici delicate



STEVENS
11 cm, 4 3/8“

Gefäßscheren
Vascular Scissors
Tijeras vasculares
Forbici vascolari



POTTS-DE MARTEL
09473-21
21 cm, 8 1/4"



MILLS
09474-22
22 cm, 8 3/4"



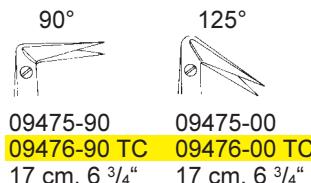
DIETRICH



09475-25
09476-25 TC
18 cm, 7"

09475-45
09476-45 TC
18 cm, 7"

09475-60
09476-60 TC
17,5 cm, 6.9"



09475-90
09476-90 TC
17 cm, 6 3/4"

09475-00
09476-00 TC
17 cm, 6 3/4"

Gefäßscheren
 Vascular Scissors
 Tijeras vasculares
 Forbici vascolari



DIETRICH
 09477-01
 17 cm, 6 3/4"

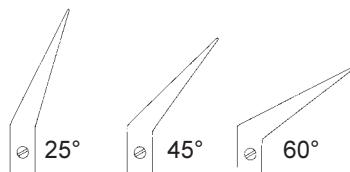


POTTS-SMITH
 09480-18
 18,5 cm, 7 1/4"

Scheren mit Hartmetalleinsätzen
 Scissors with Tungsten Carbide
 Tijeras con carburo de tungsteno
 Forbici con carburo di tungsteno



09478-25 09478-45 09478-60
 19 cm 19 cm 19 cm
 7 1/2" 7 1/2" 7 1/2"

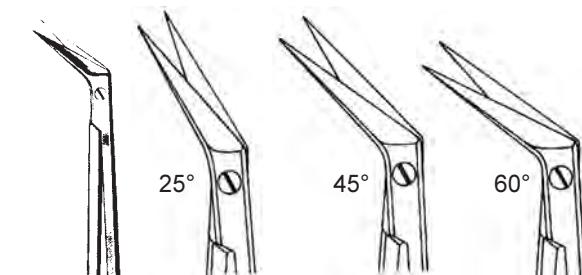


09479-25 09479-45 09479-60
 23 cm 23 cm 23 cm
 9" 9" 9"



DE BAKEY
 (POTTS-SMITH)

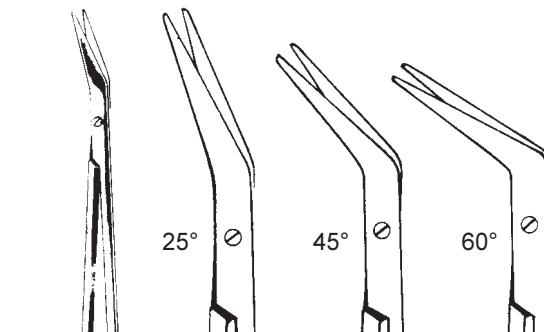
Gefäßscheren
Vascular Scissors
Tijeras vasculares
Forbici vascolari



09480-25 09480-40 09480-60
09480-25 SC 09480-40 SC 09480-60 SC
09481-25 TC 09481-40 TC 09481-60 TC



POTTS-SMITH
19 cm, 7 1/2"

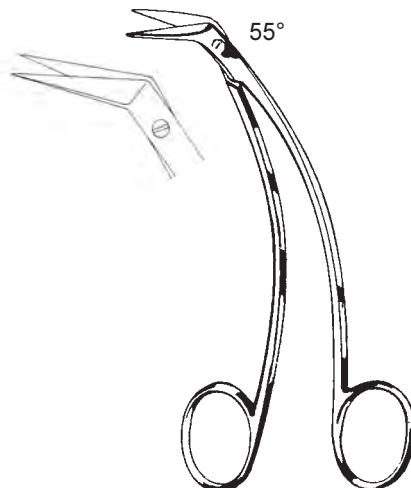


09490-16 09491-16 09492-16 16 cm, 6 1/4"
09490-23 09491-23 09492-23 23 cm, 9"
09490-28 09491-28 09492-28 28 cm, 11"

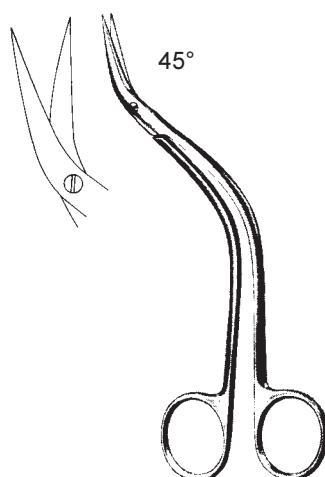


DE BAKEY

Gefäßscheren
Vascular Scissors
Tijeras vasculares
Forbici vascolari



FAVALORO
09496-15 15 cm, 5.9"



DE BAKEY
09497-15 15,5 cm, 6"

Trigeminusscheren
Trigeminal Scissors
Tijera para trigémino
Forbici per trigemino



STRULLY
09601-22
22 cm, 8 3/4"



DANDY
09617-17
17 cm, 6 3/4"



gezahnt
toothed
dentada
dentate



OLIVECRONA
09620-23
23 cm, 9"

Duraschere
Dura Scissors
Tijeras para duramadre
Forbici per dura-madre



SCHMIEDEN-TAYLOR
09619-17
17 cm, 6 $\frac{3}{4}$ "

Draht-, Blechscheren
Wire and plate scissors
Tijeras para alambre y láminas
Forbici per filo di metallo e lamiera



UNIVERSAL
09831-12 12 cm, 4 $\frac{3}{4}$ "
09835-12 TC 12 cm, 4 $\frac{3}{4}$ "

Mikro-Federscheren, bajonetförmig
Micro Scissors (Spring Type), bayonet-shaped
Micro tijeras, forma bayoneta
Micro forbici a baionetta



10120-18



10121-18



10122-18



10123-18

190 mm
7 1/2"

Mikro-Federscheren
Micro Scissors (Spring Type)
Micro tijeras
Micro forbici



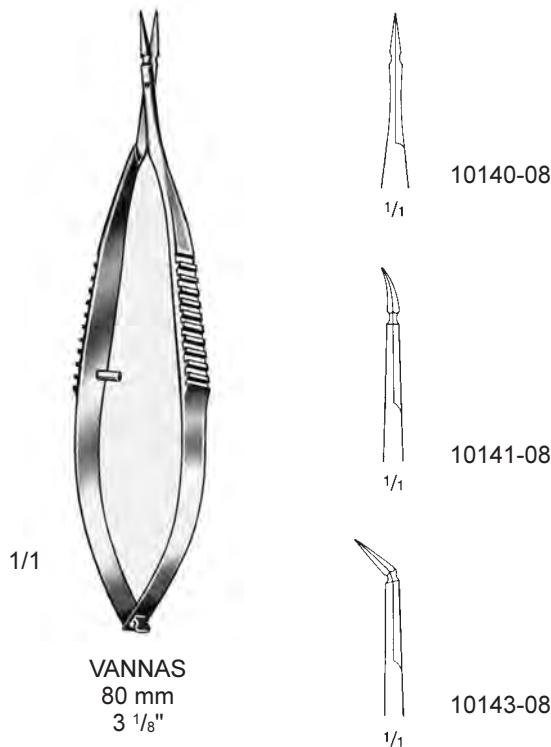
10133-10
spitz
sharp
agudo
acuta

1/1

10135-10
stumpf
blunt
romo
smussa

1/1

Mikro-Federscheren
Micro Scissors (Spring Type)
Micro tijeras
Micro forbici



Mikro Scheren
Micro Scissors
Micro tijeras
Micro Forbice



| | | |
|------------------------------|-----------|-----------|
| 11 cm $4 \frac{3}{8}$ " | 10202-11 | 10203-11 |
| 14,5 cm $5 \frac{3}{4}$ " | 10202-14 | 10203-14 |
| | 10202-14T | 10203-14T |
| 18 cm 7" | 10202-18 | 10203-18 |
| | 10202-18T | 10203-18T |
| 21 cm $8 \frac{1}{4}$ " | 10202-21 | 10203-21 |
| | 10202-21T | 10203-21T |
| 23 cm 9" | 10202-23 | 10203-23 |

T = Titan, titanium, titanio, titanio

Mikro Scheren
Micro Scissors
Micro tijeras
Micro Forbice



18 cm 7"



25°

10220-25

10220-25T



45°

10220-45

10220-45T



60°

10220-60

10220-60T



90°

10220-90

10220-90T



125°

10220-00

10220-00T

T = Titan, titanium, titanio, titanio

Mikro Scheren
Micro Scissors
Micro tijeras
Micro Forbice



| | 11 cm 4 3/8" | 14,5 cm 5 3/4" | 18 cm 7" | 21 cm 8 1/4" | 23 cm 9" |
|--------|-----------------|-------------------|-----------------------|-----------------|-------------|
| e 25° | 10226-11 | 10226-14 | 10226-18 10226-18T | 10226-21 | 10226-23 |
| b 45° | 10227-11 | 10227-14 | 10227-18 10227-18T | 10227-21 | 10227-23 |
| a 60° | 10228-11 | 10228-14 | 10228-18 10228-18T | 10228-21 | 10228-23 |
| h 90° | 10229-11 | 10229-14 | 10229-18 10229-18T | 10229-21 | 10229-23 |
| g 125° | 10230-11 | 10230-14 | 10230-18 10230-18T | 10230-21 | 10230-23 |

T = Titan, titanium, titanio, titanio

Mikro-Fedterscheren, bajonettförmig
Micro Scissors (Spring Type), bayonet-shaped
Micro tijeras, forma bayoneta
Micro forbici a baionetta



93094-16 165 mm / 6 1/2"
93094-20 200 mm / 8"



93095-16 165 mm / 6 1/2"
93095-20 200 mm / 8"



93097-20 200 mm / 8"



93098-20 200 mm / 8"
Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione



93099-20 200 mm / 8"
Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione

Mikro-Fedterscheren, bajonettförmig
Micro Scissors (Spring Type), bayonet-shaped
Micro tijeras, forma bayoneta
Micro forbici a baionetta



93100-22 225 mm / 9"
93101-22 225 mm / 9"

YASARGIL
Schneiden gezahnt
toothed blades
ramas dentadas
tagli dentellati

93102-22 225 mm / 9" VANNAS

93103-22 225 mm / 9"
93103-24 245 mm / 9 3/4"

YASARGIL

93105-22 225 mm / 9" VANNAS

93107-22 225 mm / 9" YASARGIL

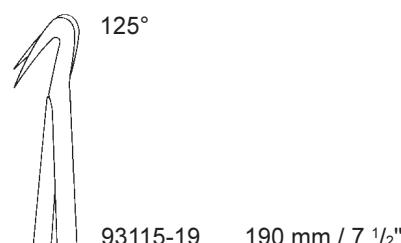
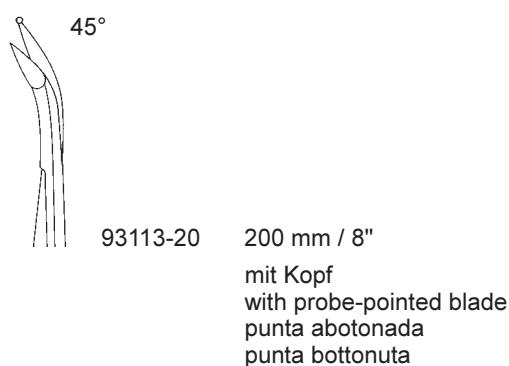
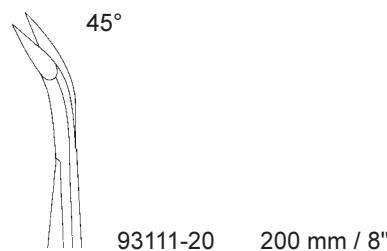
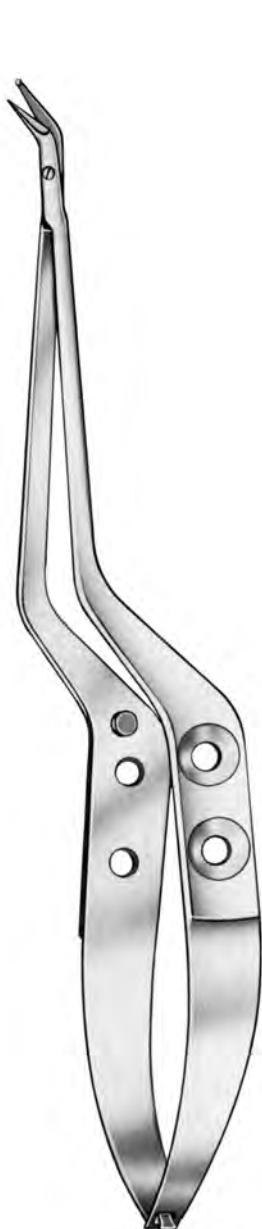
93108-22 225 mm / 9" YASARGIL

Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione

93109-22 225 mm / 9" YASARGIL

Präparierscheren
Dissecting Scissors
Tijeras de disección
Forbici per dissezione

Mikro-Fedterscheren, bajonettförmig
Micro Scissors (Spring Type), bayonet-shaped
Micro tijeras, forma bayoneta
Micro forbici a baionetta



NAGEL

Mikro-Federscheren
 Micro Scissors (Spring Type)
 Micro tijeras
 Micro forbici



93180-12 120 mm / 4 3/4"
 93180-16 160 mm / 6 1/4"
 93182-16 160 mm / 6 1/4" MILLESI

Schneiden gezahnt ←
 toothed blades
 ramas dentadas
 tagli dentellati

93180-18 185 mm / 7 1/4" YASARGIL



93181-12 120 mm / 4 3/4"
 93181-16 160 mm / 6 1/4"
 93183-16 160 mm / 6 1/4" MILLESI

Schneiden gezahnt ←
 toothed blades
 ramas dentadas
 tagli dentellati

93181-18 185 mm / 7 1/4" JACOBSON



93190-12 120 mm / 4 3/4" VANNAS
 93190-16 160 mm / 6 1/4"



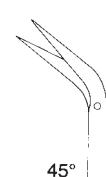
93191-12 120 mm / 4 3/4" VANNAS
 93191-16 160 mm / 6 1/4"



93192-13 130 mm / 5 1/8" BIEMER
 Venenschere
 Vein Scissors
 Tijera para venas
 Forbice per vene



93193-12 120 mm / 4 3/4" VANNAS



93195-18 185 mm / 7 1/4" POTTS-YASARGIL

45°

Mikro-Federscheren
 Micro Scissors (Spring Type)
 Micro tijeras
 Micro forbici

93210-12 120 mm / 4 3/4"
 93210-16 160 mm / 6 1/4"
 93212-16 160 mm / 6 1/4" MILLESI



Schneiden gezahnt ←
 toothed blades
 ramas dentadas
 tagli dentellati

93210-18 185 mm / 7 1/4" YASARGIL

93211-12 120 mm / 4 3/4"
 93211-16 160 mm / 6 1/4"
 93213-16 160 mm / 6 1/4" MILLESI



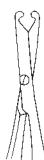
Schneiden gezahnt ←
 toothed blades
 ramas dentadas
 tagli dentellati

93211-18 185 mm / 7 1/4" JACOBSON

93216-12 120 mm / 4 3/4" VANNAS
 93216-16 160 mm / 6 1/4"

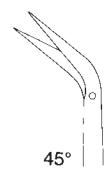


93217-12 120 mm / 4 3/4" VANNAS
 93217-16 160 mm / 6 1/4"



93218-13 130 mm / 5 1/8" BIEMER
 Venenschere
 Vein Scissors
 Tijera para venas
 Forbice per vene

93219-12 120 mm / 4 3/4" VANNAS



45°

93221-18 185 mm / 7 1/4" POTTS-YASARGIL



Mikro-Federscheren
Micro Scissors (Spring Type)
Micro tijeras
Micro forbici



93270-14 145 mm / 5 3/4"
93270-18 180 mm / 7"

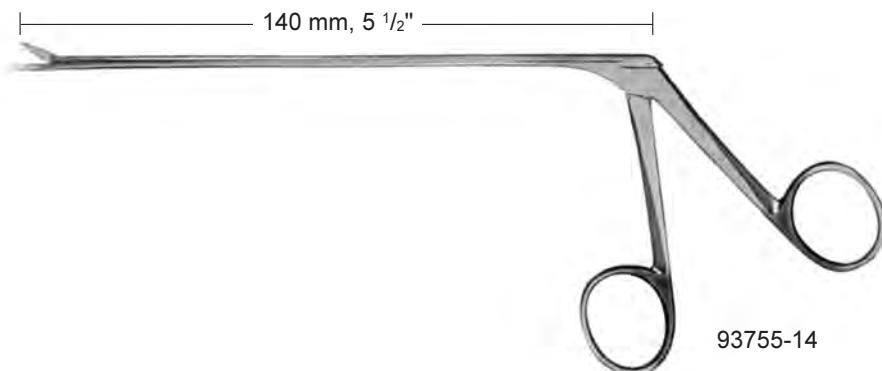
93270-23 230 mm / 9"

93271-14 145 mm / 5 3/4"
93271-18 180 mm / 7"

93273-14 145 mm / 5 3/4"
93273-18 180 mm / 7"

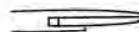
Mikro Präparierscheren
Micro dissecting Scissors
Micro tijeras de disección
Micro forbici per dissezione

Tumorschere
Tumor scissors
Tijera para tumores
Forbice per tumori



93755-14

93755-14 gerade
straight
recta
retta



93756-14 rechts gebogen
curved right
curva hacia la derecha
curva a destra



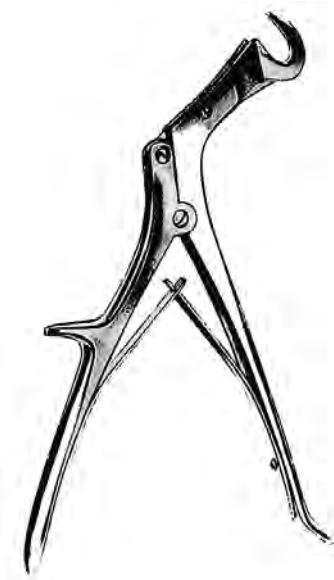
93757-14 links gebogen
curved left
curva hacia la izquierda
curva a sinistra



Rippenscheren
Rib Shears
Costótomas
Costotomi



SAUERBRUCH
57131-26
26 cm, 10 1/4"

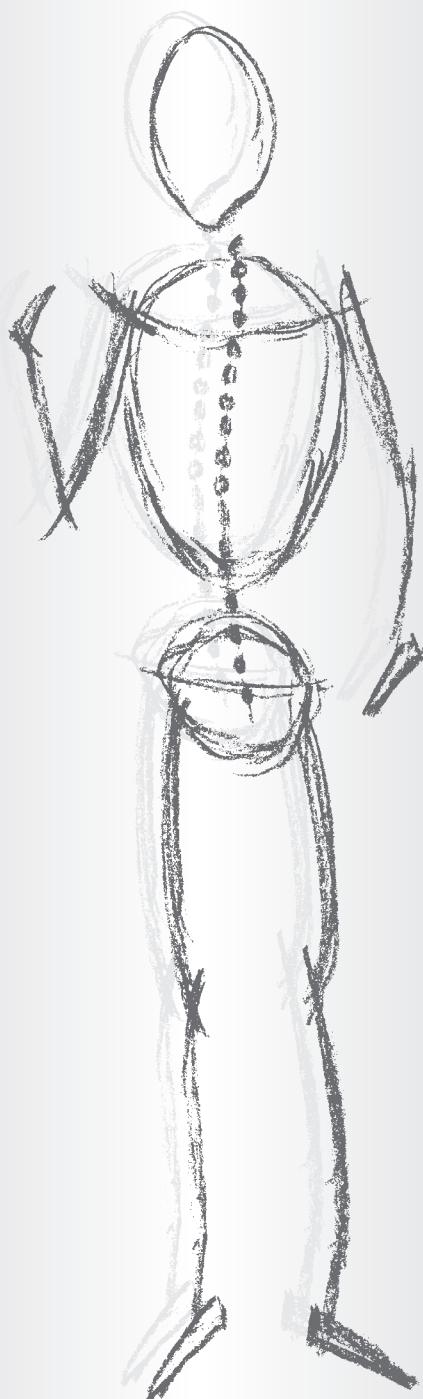


GIERTZ-STILLE
57137-27
27 cm, 10 1/2"



SAUERBRUCH-FREY
57141-36
36 cm, 14.2"

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



PINZETTEN

FORCEPS

PINZAS

PINZETTE

REDA

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Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes
Pinze per dissezione, chirurgiche/anatomiche



POTTS-SMITH
11112-18 18 cm, 7" 11116-18 TC
11112-21 21 cm, 8 1/4" 11116-21 TC
11112-25 25 cm, 10" 11116-25 TC



POTTS-SMITH
11126-18 18 cm, 7"
11126-21 21 cm, 8 1/4"
11126-25 25 cm, 10"

1x2

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes
Pinze per dissezione, chirurgiche/anatomiche



ADSON
11170-12 12,0 cm, 4 3/4"
11170-15 15,0 cm, 6"



ADSON
11174-12 TC 12,0 cm, 4 3/4"
11174-15 TC 15,0 cm, 6"



ADSON micro
11176-12 12,0 cm, 4 3/4"
11176-15 15,0 cm, 6"



ADSON-DE BAKEY atrauma
11177-12
12,0 cm, 4 3/4"



ADSON
11178-12
12,0 cm, 4 3/4"



ADSON
11179-12
12 cm, 4 3/4"

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes
Pinze per dissezione, chirurgiche/anatomiche



1x2



1x2

ADSON
11180-12 12,0 cm, 4 3/4"
11180-15 15,0 cm, 6"

ADSON
11181-12 TC 12,0 cm, 4 3/4"
11181-15 TC 15,0 cm, 6"



1x2



1x2



7x7

ADSON micro
11186-12 12,0 cm, 4 3/4"
11186-15 15,0 cm, 6"

ADSON
11187-12
12 cm, 4 3/4"

ADSON-BROWN
11188-12 12,0 cm, 4 3/4"
11188-15 15,0 cm, 6"
11189-12 TC 12,0 cm, 4 3/4"

Anatomische und chirurgische Pinzetten
 Dressing and Tissue Forceps
 Pinzas de disección, sin/con dientes
 Pinze per dissezione, chirurgiche/anatomiche



BROWN

11189-15 15,0 cm, 6"
 11189-20 20,0 cm, 8"
 11189-25 25,0 cm, 10"

WAUGH

11187-18 18 cm, 7"
 11187-20 20 cm, 8"
 11187-25 25 cm, 10"
 11187-30 30 cm, 11 $\frac{3}{4}$ "



11220-17
11224-17 TC



11221-17



11222-17
11225-17 TC



11223-17

CUSHING
 17 cm, 6 $\frac{3}{4}$ "

CUSHING
 17 cm, 6 $\frac{3}{4}$ "

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes
Pinze per dissezione, chirurgiche/anatomiche



BROPHY
11231-20
20,0 cm, 8"



BROPHY
11233-20
20,0 cm, 8"



11234-20

11235-20

BROPHY
20,0 cm, 8"



ADLERKREUTZ
11236-15 15,0 cm, 6"
11236-20 20,0 cm, 8"

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes
Pinze per dissezione, chirurgiche/anatomiche



DUEHRSEN
11237-20
20 cm, 8"



McINDOE
11257-15
15,0 cm, 6"



McINDOE
11258-15 15,0 cm, 6"
11259-15 TC 15,0 cm, 6"

Anatomische und chirurgische Pinzetten
 Dressing and Tissue Forceps
 Pinzas de disección, sin/con dientes
 Pinze per dissezione, chirurgiche/anatomiche



SEMKEN
 11260-12 12,5 cm, 5"
 11260-15 15,5 cm, 6"
11261-15 TC 15,5 cm, 6"



SEMKEN
 11270-12 12,5 cm, 5"
 11270-15 15,5 cm, 6"
11271-15 TC 15,5 cm, 6"
11271-18 TC 18,0 cm, 7"



GILLIES
 11272-15 15,5 cm, 6"
11273-15 TC 15,5 cm, 6"



11274-06
0,6 mm

11274-08
0,8 mm

11274-10
1,0 mm

15,5 cm, 6"



GERALD
 11302-17 17,5 cm, 6.9"
 11302-23 23,0 cm, 9"
11304-17 TC 17,0 cm, 6 3/4"



GERALD
 11303-17
 17,5 cm, 6.9"

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes
Pinze per dissezione, chirurgiche/anatomiche



GERALD
11305-17
17,5 cm, 6.9"



GERALD
11310-17 17,5 cm, 6.9"
11312-17 TC 17,5 cm, 6.9"



GERALD
11311-17
17,5 cm, 6.9"



CUSHING-TAYLOR
11312-18 TC 18,5 cm, 7 1/4"



GERALD
11313-17 17,5 cm, 6.9"

Anatomische und chirurgische Pinzetten
Dressing and Tissue Forceps
Pinzas de disección, sin/con dientes
Pinze per dissezione, chirurgiche/anatomiche



TAYLOR
17 cm, 6 3/4"

TAYLOR
17 cm, 6 3/4"



Hirnspatelpinzette
Brain Spatula Forceps
Pinza-espátula cerebral
Pinze a spatola cerebrale



SCOVILLE
22 cm, 8 3/4"



10 mm
11327-10



13 mm
11327-13

Uhrmacherpinzette
Jeweler Type Forceps
Pinzas de relojero
Pinze da orologiaio

Fig. 1



11401-01
12 cm, 4 3/4"

Fig. 3



11403-03
12 cm, 4 3/4"

Fig. 3c



11403-04
11 cm, 4 3/8"

Fig. 4



11404-04
11 cm, 4 3/8"

Fig. 5



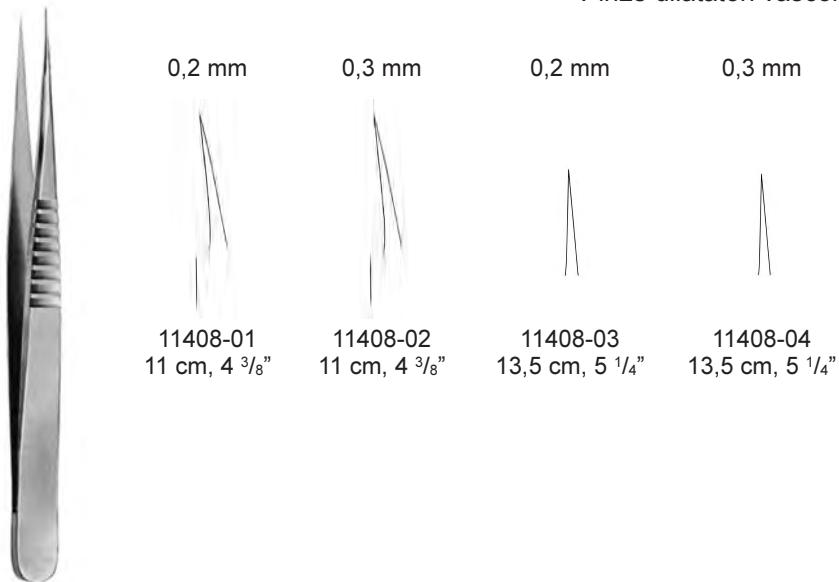
11405-05
11 cm, 4 3/8"

Fig. 7

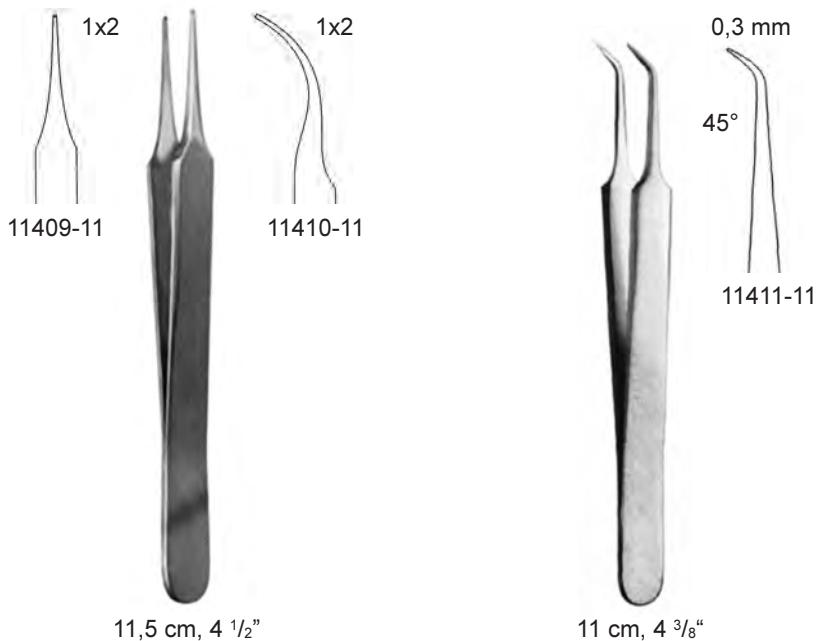


11407-07
12 cm, 4 3/4"

Gefäßdilatatoren
Vessel dilators
Dilatadores vasculares
Pinze dilatatori vascolari



Juwelierpinzette/Uhrmacherpinzette
Jeweler's Forceps/Jeweler Type Forceps
Pinzas para joyero/Pinzas de relojero
Pinze per gioielliere/Pinze da orologio



Mikro Knüpfpinzetten
 Micro Suture Tying Forceps
 Micro Pinzas para ligaduras
 Micro Pinze per legature



| | 0,3 mm | 0,8 mm |
|---------------|---------------|---------------|
| 12 cm, 4 3/4" | 12102-12 | |
| | 12102-12D | |
| 15 cm, 6" | 12104-15 | |
| | 12104-15D | |
| 18 cm, 7" | | 12108-18 |
| | | 12108-18D |
| 21 cm, 8 1/4" | | 12102-21 |
| | | 12102-21D |
| 23 cm, 9" | | 12102-23 |
| | | 12102-23D |



| | 0,3 mm | 0,8 mm |
|---------------|---------------|---------------|
| 12 cm, 4 3/4" | 12103-12 | |
| | 12103-12D | |
| 15 cm, 6" | 12103-15 | |
| | 12103-15D | |
| 18 cm, 7" | | 12109-18 |
| | | 12109-18D |
| 21 cm, 8 1/4" | | 12109-21 |
| | | 12109-21D |
| 23 cm, 9" | | 12109-23 |
| | | 12109-23D |



| | 0,3 mm | 0,3 mm |
|---------------|---------------|---------------|
| 15 cm, 6" | 12090-15D | 12091-15D |
| | 0,4 mm | 0,4 mm |
| 18 cm, 7" | 12090-18D | 12091-18D |
| | 0,8 mm | 0,8 mm |
| 21 cm, 8 1/4" | 12090-21D | 12091-21D |
| 23 cm, 9" | 12090-23D | 12091-23D |



D = mit diamantiertem Maul
 with diamond jaw
 con boca de diamante
 con morso diamantato

Mikro Knüpfpinzetten
Micro Suture Tying Forceps
Micro Pinzas para ligaduras
Micro Pinze per legature



93340-15 155 mm / 6"
Spitzen 0,5 mm
tips 0,5 mm
puntas de 0,5 mm
punte 0,5 mm



93342-15 155 mm / 6"
Spitzen 0,8 mm
tips 0,8 mm
puntas de 0,8 mm
punte 0,8 mm



93342-18 185 mm / 7 1/4"
Spitzen 0,5 mm
tips 0,5 mm
puntas de 0,5 mm
punte 0,5 mm

Mikro Knüpfpinzetten
Micro Suture Tying Forceps
Micro Pinzas para ligaduras
Micro Pinze per legature



0,3 mm 93350-12
 120 mm / 4 3/4"

0,3 mm 93350-13
 135 mm / 5 1/4"

0,3 mm 93351-13
 135 mm / 5 1/4"

VISE



93360-09
95 mm
3 3/4"

0,2 mm 93360-09
 95 mm / 3 3/4"

0,8 mm 93370-14
 140 mm / 5 1/2"

93370-18
180 mm / 7" AUSTIN

Ultra-Light-Pinzetten
Ultra-Light-Forceps
Pinzas-Ultra-Ligeras
Pinza-Ultra-Leggera

1,5 mm

1,5 mm

1,5 mm

1,2 mm



12110-15
15 cm, 6"



12110-20
20 cm, 8"



12110-24
24 cm, 9 1/2"



12110-30
30 cm, 11 3/4"



Mikro Ring Pinzetten
Micro Ring Forceps
Micro Pinzas
Micro Pinza



| | Ø 1 mm x 0,5 mm | Ø 2 mm x 1 mm |
|---------------|-------------------------------|-------------------------------|
| 15 cm, 6" | 12112-15D 12112-15T | 12114-15D 12114-15T |
| 18 cm, 7" | 12112-18D 12112-18T | 12114-18D 12114-18T |
| 21 cm, 8 1/4" | 12112-21D 12112-21T | 12114-21D 12114-21T |
| 23 cm, 9" | 12112-23D 12112-23T | 12114-23D 12114-23T |

D = mit diamantiertem Maul
with diamond jaw

con boca de diamante

con morso diamantato

T = Titan, titanium, titanio, titanio

Atrauma Mikro Pinzetten
Atrauma Micro Forceps
Micro Pinzas Atraumáticas
Micro Pinza Atraumatica



| | 1,2 mm | 2,0 mm |
|---------------|------------------------------|---------------|
| 15 cm, 6" | 12115-15 12115-15T | 12116-15 |
| 18 cm, 7" | 12115-18 12115-18T | 12116-18 |
| 21 cm, 8 1/4" | 12115-21 12115-21T | 12116-21 |
| 23 cm, 9" | 12115-23 12115-23T | 12116-23 |

T = Titan, titanium, titanio, titanio

DE BAKEY

TC Atrauma Pinzetten
TC Atrauma Forceps
Pinzas Atraumáticas con TC
Pinza Atraumatica TC



1,2 mm

18 cm, 7"

12117-18 TC

2,0 mm

12118-18 TC

21 cm, 8 1/4"

12117-21 TC

12118-21 TC

23 cm, 9"

12117-23 TC

12118-23 TC

DE BAKEY TC

Atraumatische Pinzetten
 Atraumatic Tissue Forceps
 Pinzas Atraumáticas
 Pinze Atraumáticas



1 mm



1,5 mm



2,0 mm

DE BAKEY

12302-16 16 cm, 6 1/4"
 12302-20 20 cm, 8"
 12302-24 24 cm, 9 1/2"

DE BAKEY

12306-16 16 cm, 6 1/4"
 12306-20 20 cm, 8"
 12306-24 24 cm, 9 1/2"
 12306-30 30 cm, 11 3/4"

DE BAKEY

12308-16 16 cm, 6 1/4"
 12308-20 20 cm, 8"
 12308-24 24 cm, 9 1/2"
 12308-30 30 cm, 11 3/4"



2,0 mm



2,7 mm



3,5 mm

DE BAKEY

12309-16 16 cm, 6 1/4"
 12309-20 20 cm, 8"
 12309-24 24 cm, 9 1/2"
 12309-30 30 cm, 11 3/4"

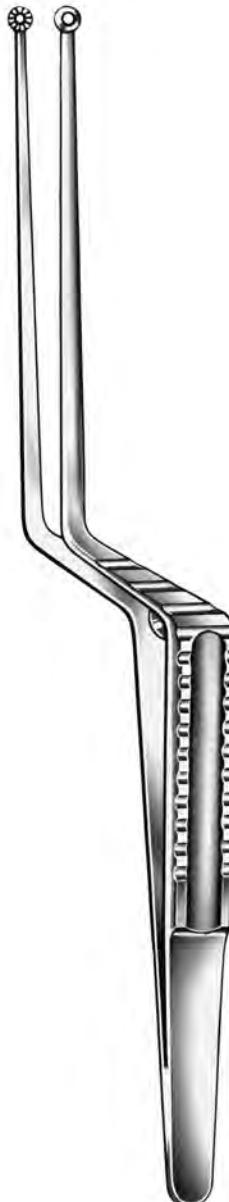
DE BAKEY

12304-16 16 cm, 6 1/4"
 12304-20 20 cm, 8"
 12304-24 24 cm, 9 1/2"
 12304-30 30 cm, 11 3/4"

DE BAKEY

12310-16 16 cm, 6 1/4"
 12310-20 20 cm, 8"
 12310-24 24 cm, 9 1/2"
 12310-30 30 cm, 11 3/4"

Pinzetten zum Fassen von Gewebe, Tumoren
Forceps for grasping tissue, tumors
Pinzas para coger tejidos y tumores
Pinze per afferrare tessuti e tumori



12295-22 200 mm / 8" YASARGIL

Maul flach, gezahnt
flat jaw, serrated
boca plana, dentada
morso piatto, striato



12297-22 200 mm / 8" HUNT

Maul flach, gezahnt
flat jaw, serrated
boca plana, dentada
morso piatto, striato



12300-18 185 mm / 7 1/4"

feine Spitzen
fine tips
puntas finas
punte acute



12302-18 185 mm / 7 1/4"

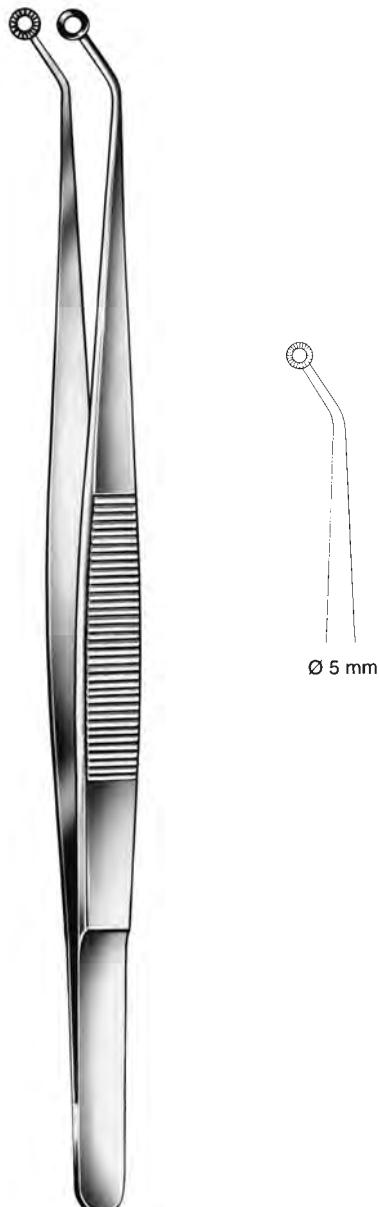
breite Spitzen
broad tips
puntas anchas
punte smusse



12303-18 185 mm / 7 1/4"

breite Spitzen
broad tips
puntas anchas
punte smusse

Pinzetten zum Fassen von Gewebe, Tumoren
Forceps for grasping tissue, tumors
Pinzas para coger tejidos y tumores
Pinze per afferrare tessuti e tumori



Maul flach, gezahnt
flat jaw, serrated
boca plana, dentada
morso piatto, striato

Ø 5 mm

HUNT
12305-20
200 mm
8"

Pinzetten zum Fassen von Gewebe, Tumoren
 Forceps for grasping tissue, tumors
 Pinzas para coger tejidos y tumores
 Pinze per afferrare tessuti e tumori



| | | | |
|--------|----------------------|--|----------------------------|
| ∅ 3 mm | 93300-22 93300-24 | 220 mm / 8 3/4" 240 mm / 9 1/2" | YASARGIL YASARGIL-SAMII |
| | | Maul löffelförmig jaw spoon-shaped boca en forma de cucharilla morso forma cucchiaio liscio | |
| ∅ 5 mm | 93302-22 93302-24 | 220 mm / 8 3/4" 240 mm / 9 1/2" | YASARGIL YASARGIL-SAMII |
| | | Maul löffelförmig jaw spoon-shaped boca en forma de cucharilla morso forma cucchiaio liscio | |
| ∅ 7 mm | 93304-24 | 240 mm / 9 1/2" | YASARGIL-SAMII |
| | | Maul löffelförmig jaw spoon-shaped boca en forma de cucharilla morso forma cucchiaio liscio | |
| ∅ 3 mm | 93306-22 | 220 mm / 8 3/4" | YASARGIL |
| | | Maul flach, gezahnt flat jaw, serrated boca plana, dentada morso piatto, striato | |
| ∅ 5 mm | 93308-22 | 220 mm / 8 3/4" | YASARGIL |
| | | Maul flach, gezahnt flat jaw, serrated boca plana, dentada morso piatto, striato | |
| ∅ 3 mm | 93310-22 | 220 mm / 8 3/4" | HEIFETZ |
| | | Maul kürettenförmig curette jaw, toothed boca en forma de cureta, estriada morso forma curetta, striato | |
| ∅ 5 mm | 93312-22 | 220 mm / 8 3/4" | HEIFETZ |
| | | Maul kürettenförmig curette jaw, toothed boca en forma de cureta, estriada morso forma curetta, striato | |

Pinzetten zum Fassen von Gewebe, Tumoren
Forceps for grasping tissue, tumors
Pinzas para coger tejidos y tumores
Pinze per afferrare tessuti e tumori



SAMII
230 mm
9"

Maul löffelförmig
jaw spoon-shaped
boca en forma de cucharilla
morso forma cucchiaio liscio



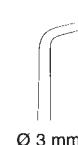
93321-23



93323-23



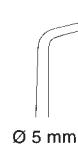
93325-23



93327-23



93329-23



93331-23

Pinzetten, bajonettförmig
Forceps, bayonet-shaped
Pinzas, forma bayoneta
Pinze, forma di baionetta



LUCAE
45206-14 14 cm, 5 1/2"



LUCAE
45206-16 16 cm, 6 1/4"



COTTLER
45208-14 14 cm, 5 1/2"



JANSEN-GRUENWALD
47154-20 20 cm, 8"



JANSEN
47155-20 20 cm, 8"

Mikro Pinzetten, bajonettförmig
 Micro Forceps, bayonet-shaped
 Micro Pinzas, forma bayoneta
 Micro Pinze, forma di baionetta

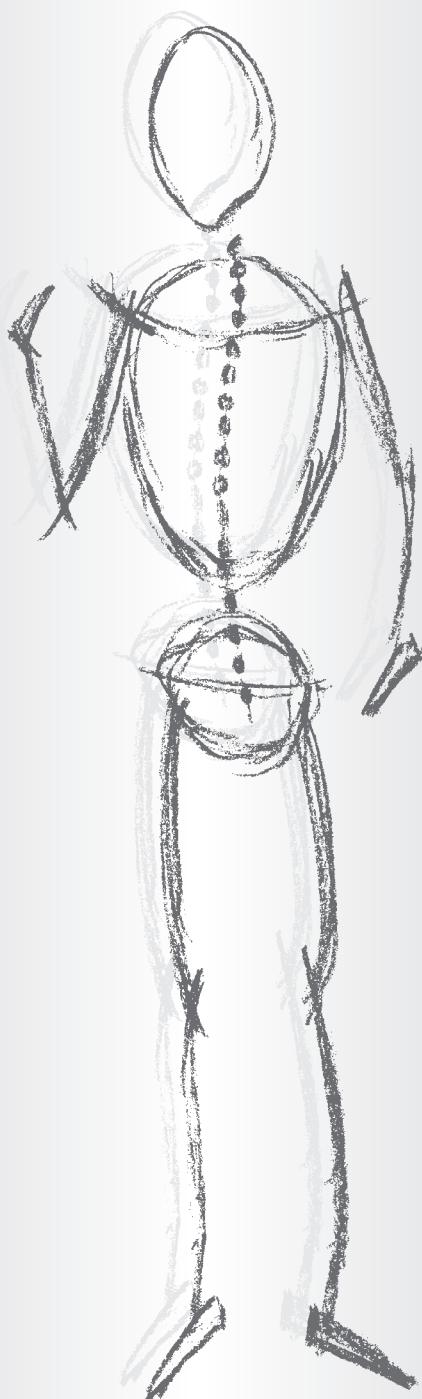


| | |
|----------|---|
| 93290-16 | 160 mm / 6 1/4" |
| 93290-18 | 180 mm / 7" |
| 93290-20 | 200 mm / 8" |
| 93290-22 | 220 mm / 8 3/4" |
| 93290-24 | 240 mm / 9 1/2" |
| | Spitzen 0,6 mm tips 0,6 mm puntas de 0,6 mm punte 0,6 mm |

| | |
|----------|---|
| 93292-16 | 160 mm / 6 1/4" |
| 93292-18 | 180 mm / 7" |
| 93292-20 | 200 mm / 8" |
| 93292-22 | 220 mm / 8 3/4" |
| 93292-24 | 240 mm / 9 1/2" |
| | Spitzen 0,9 mm tips 0,9 mm puntas de 0,9 mm punte 0,9 mm |

| | |
|----------|---------------|
| 93294-18 | 180 mm / 7" |
| | 1 x 2 Zähne |
| | 1 x 2 teeth |
| | 1 x 2 dientes |
| | 1 x 2 denti |

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KLEMMEN

CLAMPS

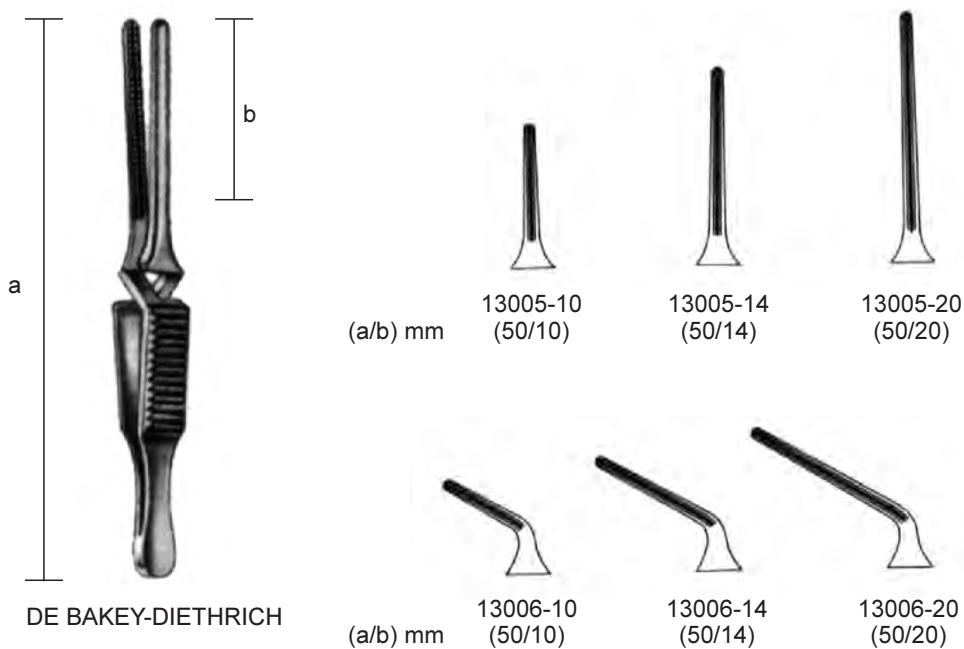
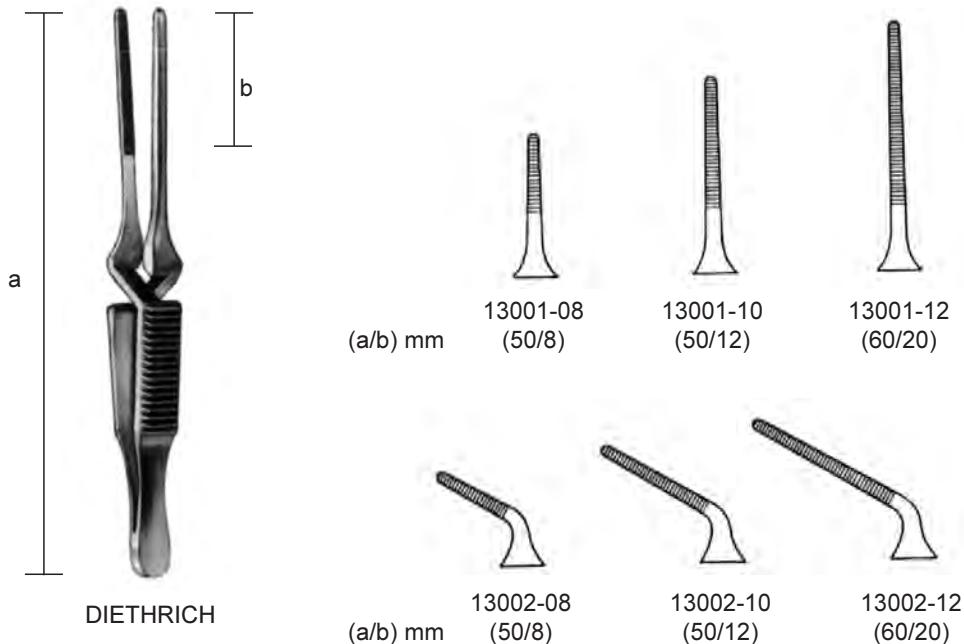
PINZAS

PINZE

REDA

www.Redainstrumente.de

Mini-Bulldogklemmen
Mini Bulldog Clamps
Clamps Bulldog Mini
Pinze Bulldog Mini



Titan-Atrauma-Bulldogklemmen
 Titanium Atrauma Bulldog Clamps
 Titan Clamp Bulldog
 Titan Pinze Bulldog



| | | |
|---------|--------------|----------|
| Vene | 3 cm, 1.2" | 13010-30 |
| Arterie | | 13011-30 |
| | 3.5 cm, 1.4" | 13010-35 |
| | | 13011-35 |
| | 4 cm, 1 1/2" | 13010-40 |
| | | 13011-40 |
| | 5 cm, 2" | 13010-50 |
| | | 13011-50 |



| | | |
|---------|--------------|----------|
| Vena | 3 cm, 1.2" | 13012-30 |
| Arteria | | 13013-30 |
| | 3.5 cm, 1.4" | 13012-35 |
| | | 13013-35 |
| | 4 cm, 1 1/2" | 13012-40 |
| | | 13013-40 |
| | 5 cm, 2" | 13012-50 |
| | | 13013-50 |

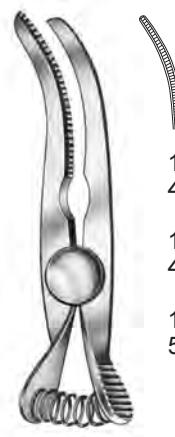


| | | |
|---------|--------------|----------|
| Vene | 3 cm, 1.2" | 13014-30 |
| Arterie | | 13015-30 |
| | 3.5 cm, 1.4" | 13014-35 |
| | | 13015-35 |
| | 4 cm, 1 1/2" | 13014-40 |
| | | 13015-40 |
| | 5 cm, 2" | 13014-50 |
| | | 13015-50 |

Atrauma-Bulldogklemmen
Atrauma-Bulldog Clamps
Clamps Atrauma Bulldog
Pinze Atrauma Bulldog



- 13090-40
40 mm / 1 1/2"
13090-45
45 mm / 1 3/4"
13090-50
50 mm / 2"



- 13091-40
40 mm / 1 1/2"
13091-45
45 mm / 1 3/4"
13091-50
50 mm / 2"

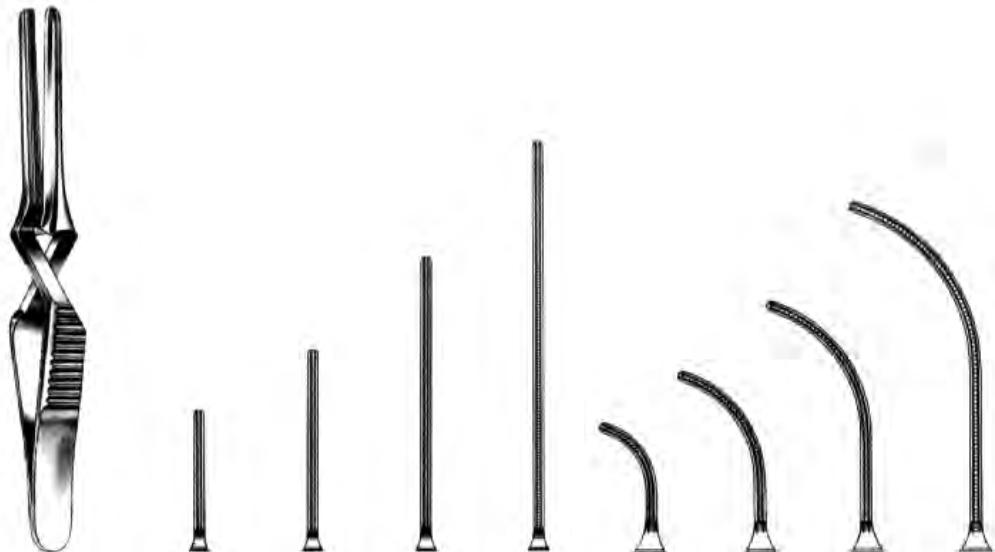


GLOVER
13098-06
57 mm
2 3/8"



DE BAKEY
13099-07
73 mm
2 3/4"

Atrauma-Bulldogklemmen
 Atrauma Bulldog Clamps
 Clamps Atrauma Bulldog
 Pinze Atrauma Bulldog



| | | | | | | | | |
|----------|--------------|----------------|---------------|-----------------|----------------|----------------|-------------|-------------------|
| DE BAKEY | 13092-07 | 13092-08 | 13092-10 | 13092-12 | 13093-07 | 13093-08 | 13093-10 | 13093-12 |
| | 7,5 cm 3" | 8,5 cm 3,4" | 10,5 cm 4" | 12 cm 4 3/4" | 7 cm 2 3/4" | 8 cm 8 1/8" | 10 cm 4" | 11,5 cm 4 1/2" |



| | | | | | | | | |
|--------|----------------|----------------|----------------|-----------------|--------------|------------------|------------------|---------------|
| GLOVER | 13096-06 | 13096-07 | 13096-09 | 13096-11 | 13097-06 | 13097-07 | 13097-09 | 13097-11 |
| | 6 cm 2 1/4" | 7 cm 2 3/4" | 9 cm 3 1/2" | 11 cm 4 3/8" | 5,5 cm 2" | 6,5 cm 2 1/2" | 8,5 cm 3 1/4" | 10,5 cm 4" |

Atrauma-Bulldogklemmen
Atrauma-Bulldog Clamps
Clamps Atrauma Bulldog
Pinze Atrauma Bulldog



DE BAKEY
13094-09
9 cm, 3 1/2"



DE BAKEY
13095-10
10 cm, 4"



3 cm, 1.2"

Maullänge
Jaw length
Largo de la boca
Lunghezza del morso

DE BAKEY-HESS
13113-03

Gefäßklemmen, Bulldogklemmen, Arterienklemmen
 Bulldog Clamps, Hemostatic Forceps
 Pinzas serra-finas, Pinzas hemostáticas
 Pinze serrafina, Pinze emostatiche



DIEFFENBACH
 13102-04 3,5 cm, 1.4"
 13102-05 5,5 cm, 2.2"

gerade
 straight
 recta
 rette



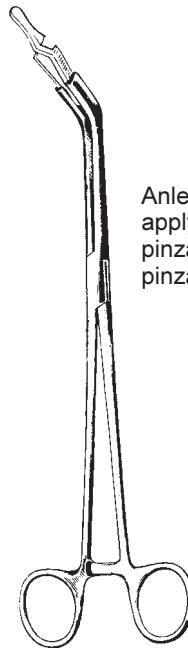
gebogen
 curved
 curva
 curve



DIEFFENBACH
 13103-04 3,5 cm, 1.4"
 13103-05 5,5 cm, 2.2"

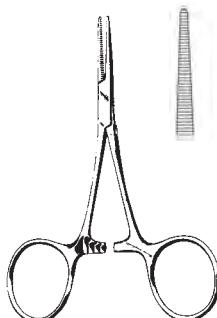
JOHNS-HOPKINS

| | | |
|----------|----------------|----------|
| 13110-50 | 5,0 cm, 2" | 13111-50 |
| 13110-55 | 5,5 cm, 2.2" | 13111-55 |
| 13110-65 | 6,5 cm, 2.6" | 13111-65 |
| 13110-70 | 7,0 cm, 2 3/4" | 13111-70 |
| 13110-75 | 7,5 cm, 3" | 13111-75 |
| 13110-90 | 9,0 cm, 3 1/2" | 13111-90 |

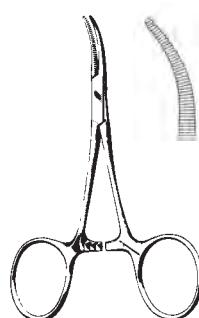


Anlegezange
 applying Forceps
 pinza aplicadora
 pinza applicatrice

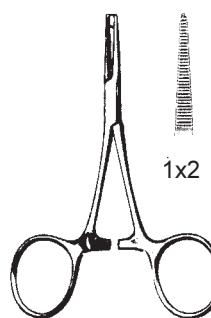
13115-00
 23 cm, 9"



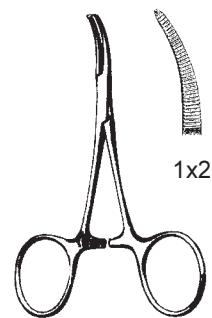
HARTMANN
 13210-10
 10 cm, 4"



HARTMANN
 13211-10
 10 cm, 4"



HARTMANN
 13212-10
 10 cm, 4"
 1x2

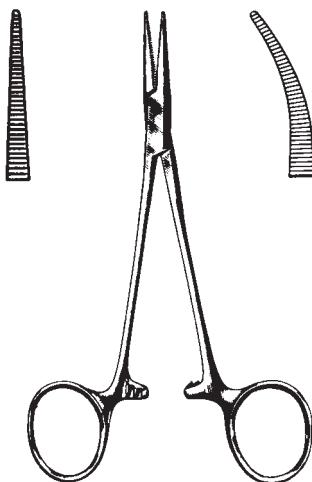


HARTMANN
 13213-10
 10 cm, 4"
 1x2

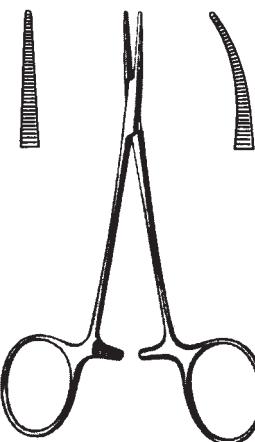
Micro-HARTMANN
 13214-10
 10 cm, 4"

Micro-HARTMANN
 13215-10
 10 cm, 4"

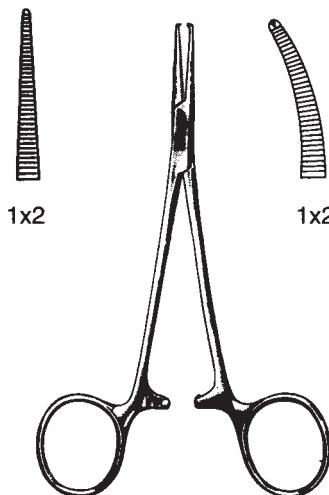
Arterienklemmen
 Hemostatic Forceps
 Pinzas hemostáticas
 Pinze emostatiche



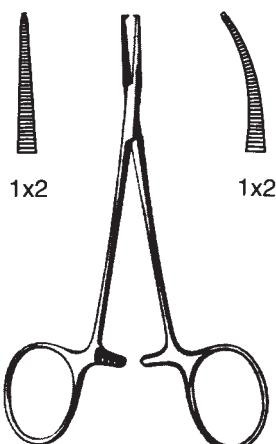
HALSTED-MOSQUITO
 TITAN TITAN
 13224-12 13225-12
 13220-12 12,5 cm, 5" 13221-12
 13220-14 14,0 cm, 5 1/2" 13221-14
 13220-18 18,0 cm, 7" 13221-18



HALSTED-MOSQUITO micro
 13222-12 12,5 cm, 5" 13223-12
 JACOBSON micro
 13226-12 12,0 cm, 4 3/4" 13227-12

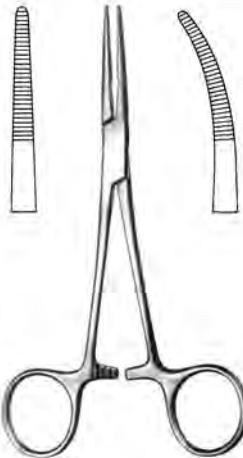


HALSTED-MOSQUITO
 13230-12 12,5 cm, 5" 13231-12
 13230-14 14,0 cm, 5 1/2" 13231-14

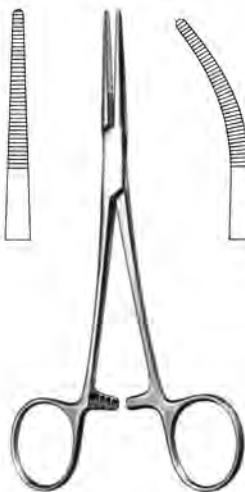


HALSTED-MOSQUITO micro
 13232-12 12,5 cm, 5" 13233-12

Arterienklemmen
Hemostatic Forceps
Pinzas hemostáticas
Pinze emostatiche



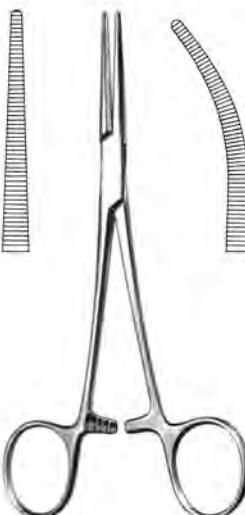
KELLY
13240-14 14 cm, 5 1/2" 13241-14
13240-18 18 cm, 7" 13241-18
13244-14 14 cm, 5 1/2" **13245-14**
TITAN TITAN



KELLY-RANKIN
13242-16 16 cm, 6 1/4" 13243-16

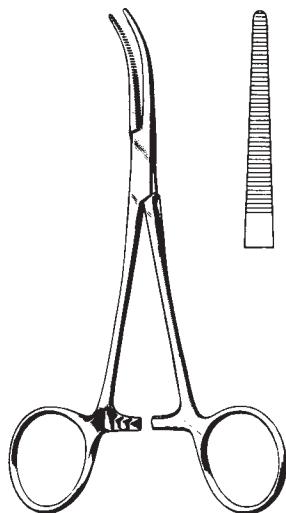


CRILE
13250-14 14 cm, 5 1/2" 13251-14
13250-18 18 cm, 7" 13251-18
13254-14 14 cm, 5 1/2" **13255-14**
TITAN TITAN



CRILE-RANKIN
13262-16 16 cm, 6 1/4" 13263-16

Arterienklemmen
Hemostatic Forceps
Pinzas hemostáticas
Pinze emostatiche



DANDY

13345-12 12 cm, 4 $\frac{3}{4}$ "
13345-14 14 cm, 5 $\frac{1}{2}$ "

Kopfschwartzangen
Scalp Flap Forceps
Pinzas para el cuero cabelludo
Pinze per cuoio capelluto



MARTEL
13364-14 14 cm, 5 1/2"

WILLET MARTEL
13366-19 19 cm, 7 1/2"

Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y para ligaduras
Pinze per preparazione e per legatura



FUCHSIG
13414-20 19 cm, 7 1/2"

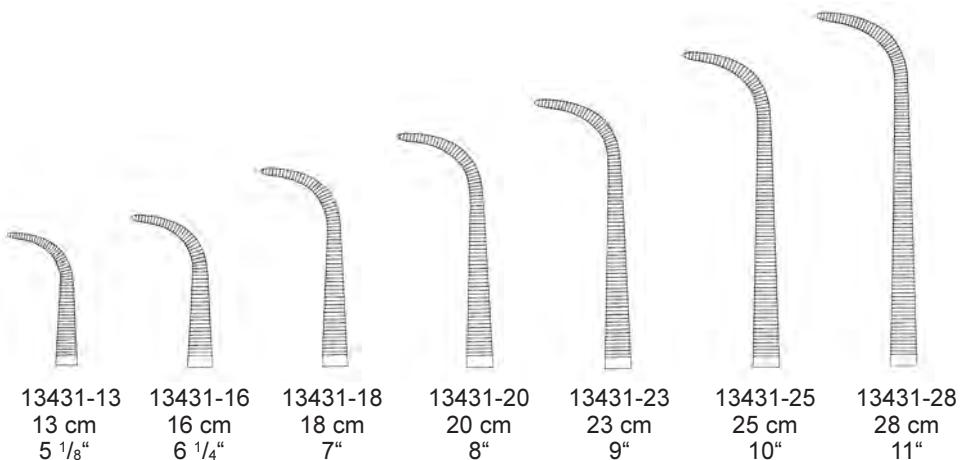


ADSON BABY
13415-14 14,0 cm, 5 1/2"
13415-18 18,5 cm, 7 1/4"

Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y para ligaduras
Pinze per preparazione e per legatura



GEMINI



Präparier- und Ligaturklemmen
Dissecting and Ligature Forceps
Pinzas para preparaciones y para ligaduras
Pinze per preparazione e per legatura



MIXTER BABY
13475-14
14 cm, 5 1/2"



MIXTER BABY
13475-18
18 cm, 7"

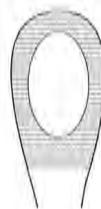
Tumorfaßzange
Tumor Grasping Forcep
Pinza para agarrar tumores
Pinze per afferrare tumori



13610-01



13610-02



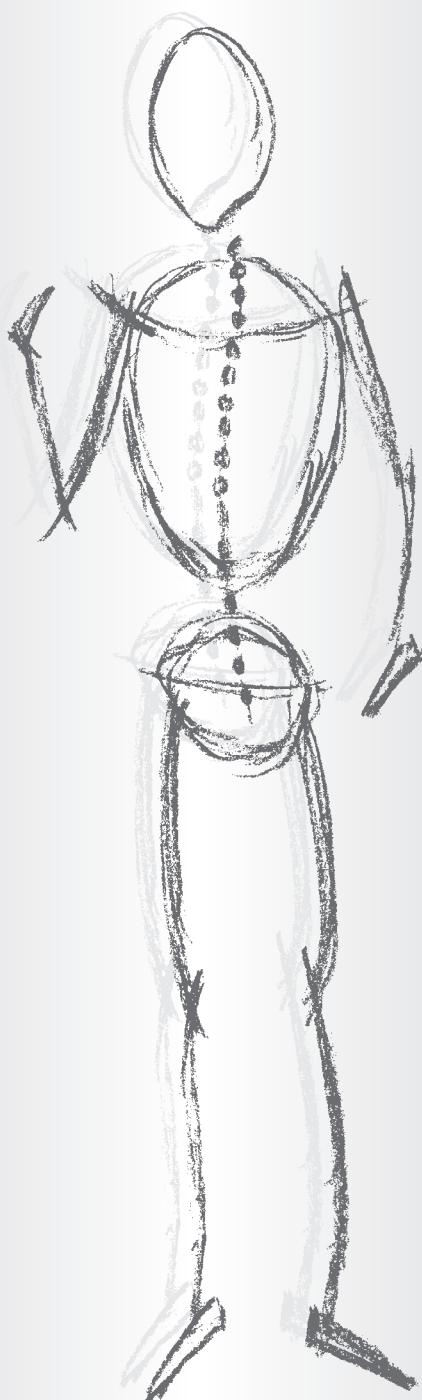
13610-03

Sehnenfaßzange
Tendon grasping Forceps
Pinza para agarrar tendones
Pinze da presa per tendini



CAROLL
33966-11
11 cm, 4 3/8"

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NADELHALTER

NEEDLE HOLDERS

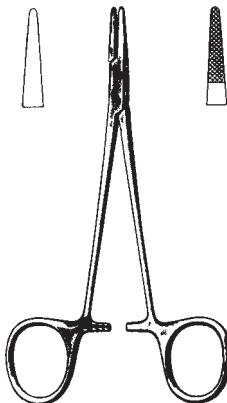
PORTE-AGUJAS

PORT'AGHI

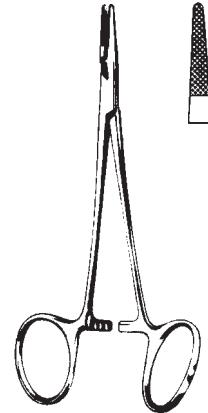
REDA

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Nadelhalter
Needle Holders
Porta-agujas
Port'aghi



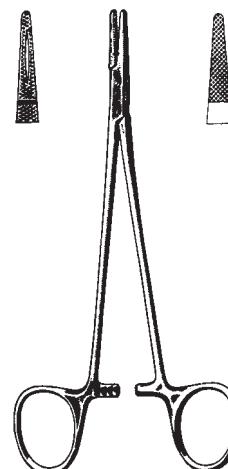
HALSEY
25130-13 25140-13
25134-13 TC **25144-13 TC**
13 cm, 5 1/8"



NEIVERT
25148-13 TC
13 cm, 5 1/8"

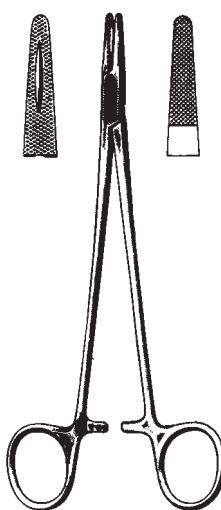


BAUMGARTNER
25150-14 **25154-14 TC**
14,0 cm , 5 1/2"



CRILE-WOOD
25160-15 15 cm, 6" **25164-15 TC**
25160-18 18 cm, 7" **25164-18 TC**
25160-20 20 cm, 8" **25164-20 TC**
25160-23 23 cm, 9" **25164-23 TC**

Nadelhalter
Needle Holders
Porta-agujas
Port'aggi



MAYO-HEGAR

| | | |
|----------|----------------|-------------|
| 25180-14 | 14 cm, 5 1/2" | 25184-14 TC |
| 25180-16 | 16 cm, 6 1/4" | 25184-16 TC |
| 25180-18 | 18 cm, 7" | 25184-18 TC |
| 25180-20 | 20 cm, 8" | 25184-20 TC |
| 25180-24 | 24 cm, 9 1/2" | 25184-24 TC |
| 25180-26 | 26 cm, 10 1/4" | 25184-26 TC |



DE BAKEY

| | |
|-------------|----------------|
| 25214-16 TC | 16 cm, 6 1/4" |
| 25214-18 TC | 18 cm, 7" |
| 25214-20 TC | 20 cm, 8" |
| 25214-23 TC | 23 cm, 9" |
| 25214-26 TC | 26 cm, 10 1/4" |



RYDER 1 mm

| | |
|-------------|----------------|
| 25224-13 TC | 13 cm, 5 1/8" |
| 25224-15 TC | 15 cm, 6" |
| 25224-18 TC | 18 cm, 7" |
| 25224-20 TC | 20 cm, 8" |
| 25224-23 TC | 23 cm, 9" |
| 25224-26 TC | 26 cm, 10 1/4" |

RYDER 2 mm

| | |
|-------------|----------------|
| 25225-13 TC | 13 cm, 5 1/8" |
| 25225-15 TC | 15 cm, 6" |
| 25225-18 TC | 18 cm, 7" |
| 25225-20 TC | 20 cm, 8" |
| 25225-23 TC | 23 cm, 9" |
| 25225-26 TC | 26 cm, 10 1/4" |

Mikro-Nadelhalter
 Micro Needle Holders
 Micro-porta-agujas
 Micro portagli



ohne Sperre
 without lock
 sin cremallera
 senza cremagliera



11,5 cm, 4 1/2"
 13,0 cm, 5 1/8"
 14,0 cm, 5 1/2"
 18,0 cm, 7"
 21,0 cm, 8 1/4"
 23,0 cm, 9"

25660-12
 25660-13
 25660-14
 25700-18
 25700-19
 25700-20



25661-12
 25661-13
 25661-14
 25701-18
 25701-19
 25701-20

mit Sperre
 with lock
 con cremallera
 con cremagliera



25720-12
 25720-13
 25720-14
 25730-18
 25730-21
 25730-23



25731-12
 25731-13
 25731-14
 25731-18
 25731-21
 25731-23

mit diamantiertem Maul
 with diamond jaw
 con boca de diamante
 con morso diamantato

11,5 cm, 4 1/2"
 13,0 cm, 5 1/8"
 14,0 cm, 5 1/2"
 18,0 cm, 7"
 21,0 cm, 8 1/4"
 23,0 cm, 9"

25720-12D
 25720-13D
 25720-14D
 25730-18D
 25730-21D
 25730-23D

25671-12D
 25671-13D
 25671-14D
 25731-18D
 25731-21D
 25731-23D

T = Titan, titanium, titanio, titanio



15,0 cm, 6"
 18,0 cm, 7"
 21,0 cm, 8 1/4"

93250-15T
 93250-18T
 93250-21T



93251-15T
 93251-18T
 93251-21T



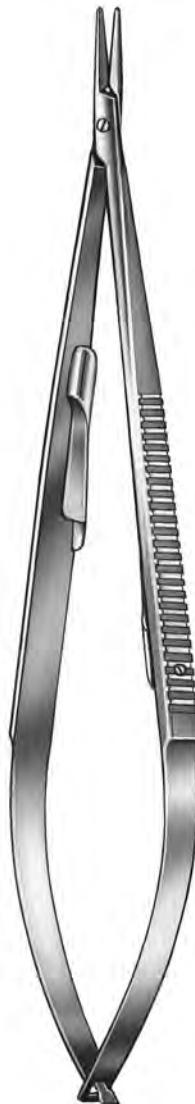
93260-15T
 93260-18T
 93260-21T



93261-15T
 93261-18T
 93261-21T

BARRAQUER

Mikro-Nadelhalter mit Sperre
 Micro Needle Holders, with lock
 Micro-porta-agujas con cremallera
 Micro portaghi, con cremagliera



14,0 cm, 5 1/2"
 18,0 cm, 7"
 21,5 cm, 8 1/2"
 23,0 cm, 9"

25670-14
 25670-18
 25670-21

25671-14
 25671-18

25672-14
 25672-18
 25672-21
 25672-23

25673-14
 25673-18

mit TC 1,4 mm
 with TC jaw 1,4 mm
 con TC 1,4 mm
 con morso in TC 1,4 mm

14,0 cm, 5 1/2"
 18,0 cm, 7"
 21,5 cm, 8 1/2"
 23,0 cm, 9"

25674-14
 25674-18
 25674-21

25675-14
 25675-18

25676-14
 25668-18
 25668-21
 25668-23

25677-14
 25691-18

mit diamantiertem Maul 0,8 mm
 with diamond jaw 0,8 mm
 con boca de diamante 0,8 mm
 con morso diamantato 0,8 mm

14,0 cm, 5 1/2"
 18,0 cm, 7"
 21,5 cm, 8 1/2"
 23,0 cm, 9"

25672-14D
 25672-18D
 25672-21D
 25672-23D

25673-14D

25673-18D

T = Titan, titanium, titanio, titanio
 Maul/jaw/boca/morso 0,4mm

14,0 cm, 5 1/2"
 18,0 cm, 7"
 21,5 cm, 8 1/2"

25672-14T
 25672-18T
 25672-21T

25673-14T

25673-18T

25673-21T

CASTROVIEJO

Mikro-Nadelhalter, bajonettsförmig
Micro Needle Holders, bayonet-shaped
Micro-porta-agujas, forma bayoneta
Micro port'aghi, forma baionetta



93092-20 200 mm / 8"
93092-22 225 mm / 9"

93093-16 165 mm / 6 1/2"
93093-20 200 mm / 8"
93093-22 225 mm / 9"
93093-24 245 mm / 9 3/4"

YASARGIL

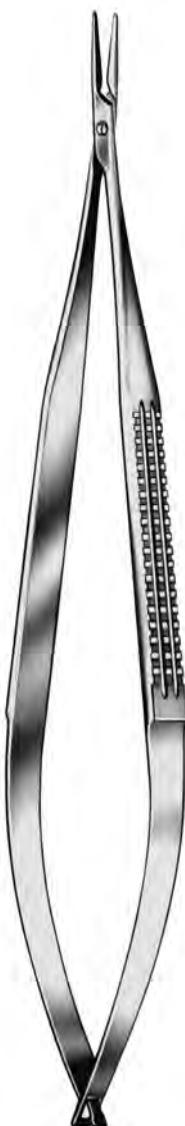
Mikro-Nadelhalter
Micro Needle Holders
Micro-porta-agujas
Micro port'aghi



93170-16 160 mm / 6 1/4"
93170-18 185 mm / 7 1/4"
ohne Sperre
without catch
sin cremallera
senza cremagliera

93171-16 160 mm / 6 1/4"
93171-18 185 mm / 7 1/4"
ohne Sperre
without catch
sin cremallera
senza cremagliera

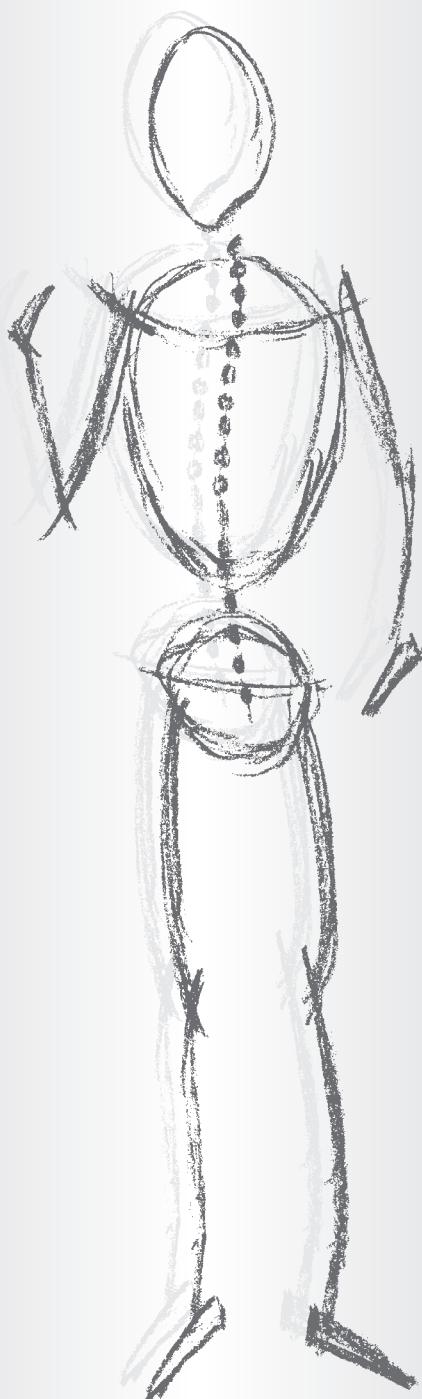
Mikro-Nadelhalter
Micro Needle Holders
Micro-porta-agujas
Micro port'aghi



93200-16 160 mm / 6 1/4"
93200-18 185 mm / 7 1/4"
ohne Sperre
without catch
sin cremallera
senza cremagliera

93201-16 160 mm / 6 1/4"
93201-18 185 mm / 7 1/4"
ohne Sperre
without catch
sin cremallera
senza cremagliera

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HAKEN

HOOKS

GANCHOS

UNCINI

REDA

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Hauthäkchen
Skin Hooks
Ganchos para la piel
Uncini per pelle



scharf
sharp
agudo
acuto
A



stumpf
blunt
romo
smusso
B



JOSEPH
16 cm, 6 1/4"



19216-01



19216-02
2 mm



19216-05
5 mm



19216-07
7 mm



19216-10
10 mm



FRAZIER
A 19214-13 13 cm, 5"
A 19214-18 18 cm, 7"
B 19215-13 13 cm, 5"
B 19215-18 18 cm, 7"



GILLIES
18 cm, 7"



Fig. 1
47560-18



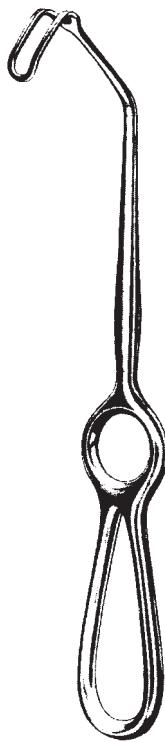
Fig. 2
47562-18

FREER
47558-15
15 cm, 6"

Wundhaken
Retractors
Separadores
Divaricatori



CLOWARD
19128-18 18 mm
19128-20 20 mm
19128-23 23 mm



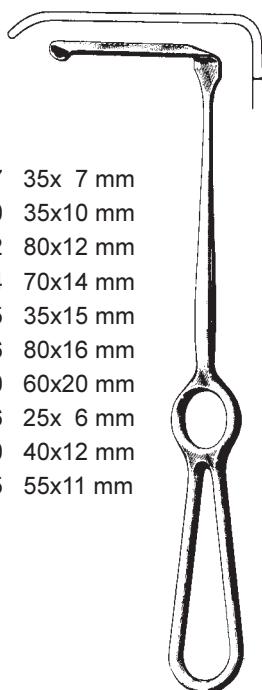
CUSHING
19234-20
20 cm, 8"



CUSHING
19235-21
21,5 cm, 8 1/2"

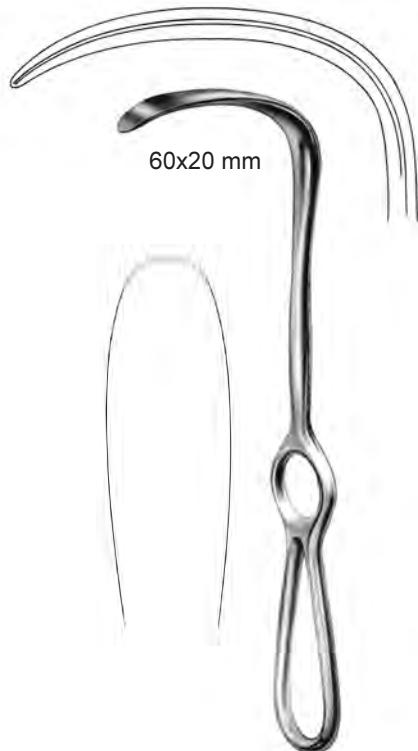
Wundhaken
Retractors
Separadores
Divaricatori

19314-07 35x 7 mm
19314-10 35x10 mm
19314-12 80x12 mm
19314-14 70x14 mm
19314-15 35x15 mm
19314-16 80x16 mm
19314-20 60x20 mm
19315-06 25x 6 mm
19330-40 40x12 mm
19330-55 55x11 mm



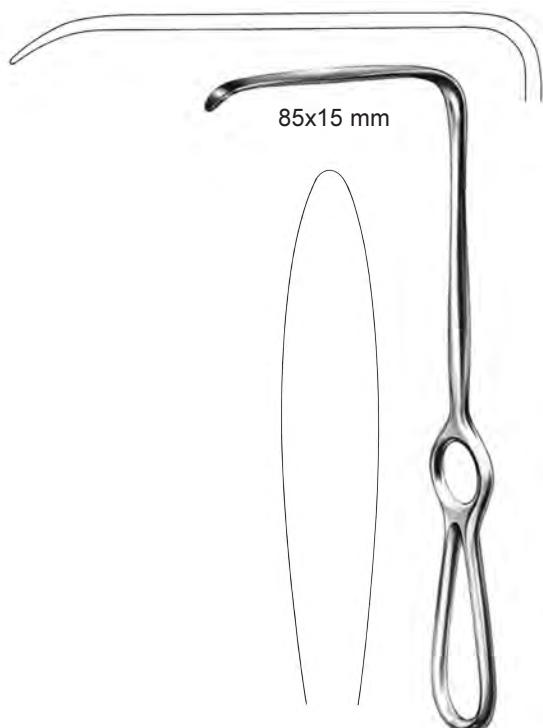
KOCHER-LANGENBECK
21 cm, 8 1/4"

60x20 mm

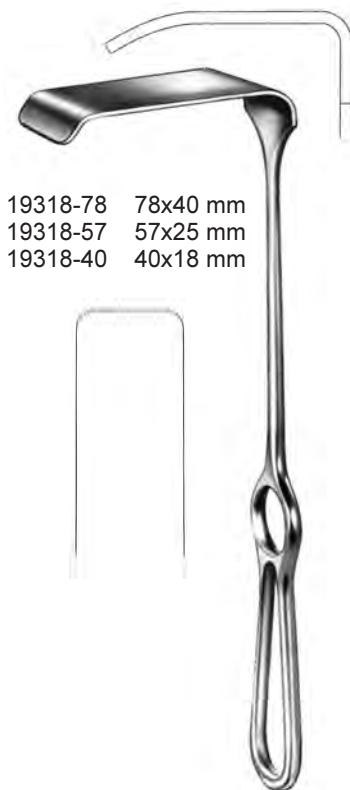


LANGENBECK
19315-21
21 cm, 8 1/4"

Wundhaken
Retractors
Separadores
Divaricatori



LANGENBECK
19317-21
21 cm, 8 1/4"



KOCHER
23 cm, 9"

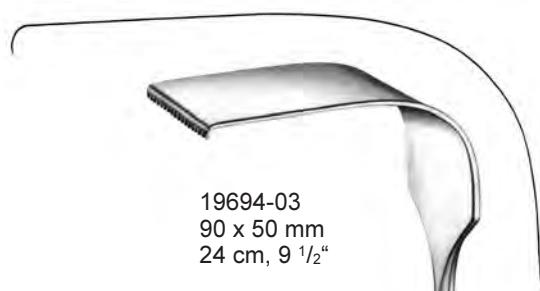
Wundhaken
Retractors
Separadores
Divaricatori



19694-01
50 x 16 mm
20 cm, 8"



19694-02
75 x 25 mm
23 cm, 9"



19694-03
90 x 50 mm
24 cm, 9 1/2"

MEYERDING

Spinalhaken
Spinal retractors
Separadores espinales
Divaricatori spinali



TAYLOR

16,5 cm, 6 1/2"

33831-16 75 x 30 mm

33833-16 100 x 30 mm

Nervhaken, Durahaken
Nerve Hooks, Dura Hooks
Ganchos para nervios y para dura-madre
Unicini per nervi e per dura-madre



DANDY
41051-20
20 cm, 8"



DANDY
41052-20
20 cm, 8"



DANDY
41053-20
20 cm, 8"

Nervhaken, Durahaken
Nerve Hooks, Dura Hooks
Ganchos para nervios y para dura-madre
Unicini per nervi e per dura-madre



CRILE
41054-20
20 cm, 8"



CUSHING
41056-18 18 cm, 7"
41056-28 28 cm, 11"



CUSHING
41058-18 18 cm, 7"
41058-28 28 cm, 11"

Nervhaken, Durahaken
Nerve Hooks, Dura Hooks
Ganchos para nervios y para dura-madre
Unicini per nervi e per dura-madre



GRAHAM
41061-16
16,5 cm, 6 1/2"



SACHS
41064-16
18,5 cm, 7 1/4"



ADSON
41068-20
20 cm, 8"

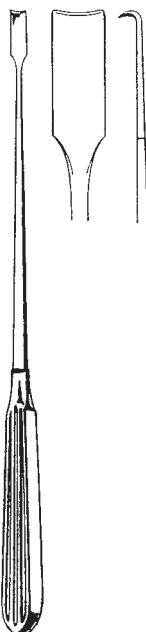


ADSON
41069-20
20 cm, 8"



SMITHWICK
41070-29
29 cm, 11.4"

Nervwurzelhaken
Nerve Root Retractors
Separadores de raíz de nervios
Uncini per le radici dei nervi

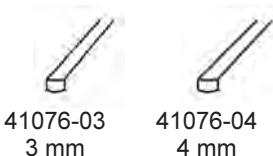


SCOVILLE
41074-23
23 cm, 9"



HOLSHER
41075-24
24 cm, 9 1/2"

— 9 cm, 3 1/2" —



41076-03
3 mm

41076-04
4 mm

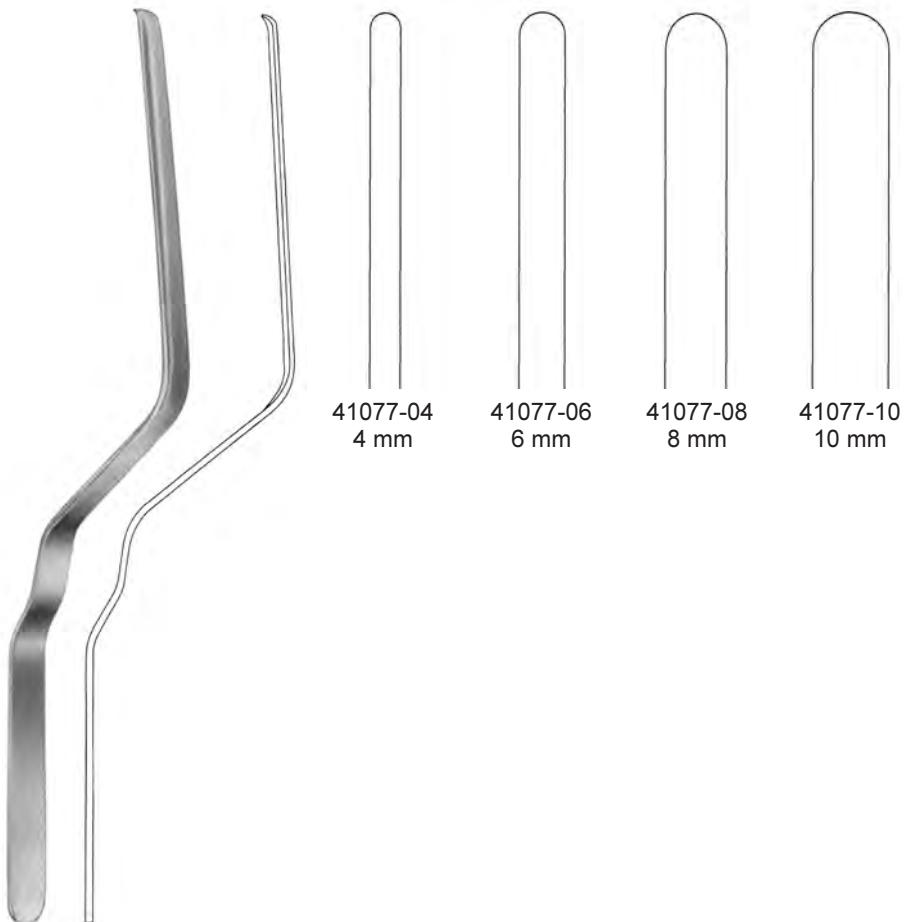
41076-05
5 mm

41076-07
7 mm



HESS
17,5 cm, 7"

Nervwurzelhaken
Nerve Root Retractors
Separadores de raiz de nervios
Uncini per le radici dei nervi



Nervwurzelhaken
Nerve Root Retractors
Separadores de raíz de nervios
Uncini per le radici dei nervi

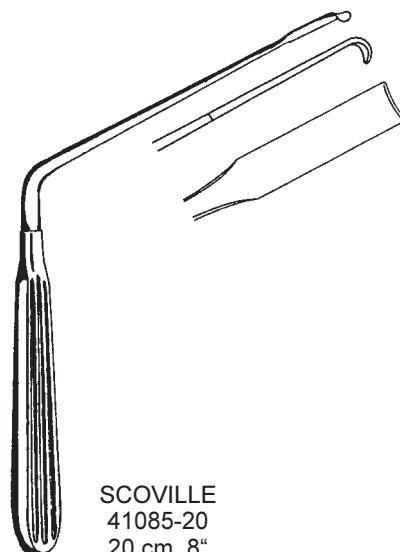
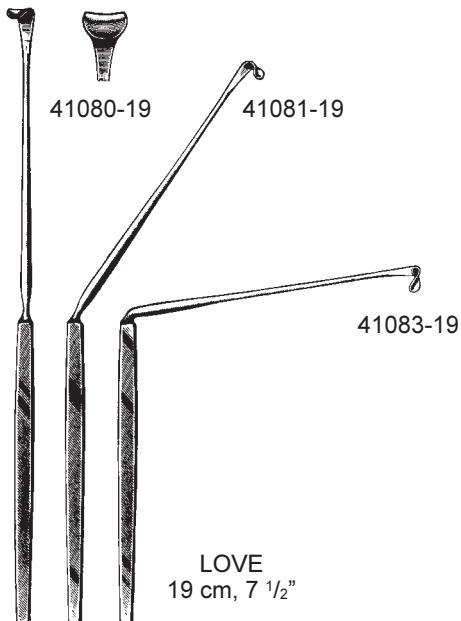


D'ERRICO
41078-23
23 cm, 9"



LOVE
41079-21
21 cm, 8 1/4"

Nervwurzelhaken, Galea Haken
Nerve Root Retractors, Galea Hooks
Separadores de raíz de nervios, Gancho para galea
Uncini per le radici dei nervi, Uncini galea



Explorations- und Koagulationshähkchen
Exploration- and Coagulation Hooks
Ganchos para exploración y coagulación
Uncini per esplorazione e coagulazione



- 93400-01 isoliert / insulated
aislado / isolato
- 93400-02 nicht isoliert / not insulated
no-aislado / non isolato



- 93401-01 isoliert / insulated
aislado / isolato
- 93401-02 nicht isoliert / not insulated
no-aislado / non isolato



- 93402-01 isoliert / insulated
aislado / isolato
- 93402-02 nicht isoliert / not insulated
no-aislado / non isolato



- 93403-01 isoliert / insulated
aislado / isolato
- 93403-02 nicht isoliert / not insulated
no-aislado / non isolato

CASPAR
245 mm
9 3/4"

Fadenführer, Nerv- und Gefäßhäkchen
Ligature Guides, Nerve- and Vessel Hooks
Guia para ligaduras, ganchos para nervios y vasos
Conduttori per legature, uncini per nervi e vasi



YASARGIL
185 mm / 7 1/4"

Fadenführer geknöpft
Ligature Guides, probe pointed
Guidor abotonado
Conduttore bottonuto per legature



93405-01



93405-02



93405-03



93405-04

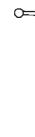


KRAYENBÜHL
185 mm / 7 1/4"

Nerv- und Gefäßhäkchen
Nerve- and Vessel Hooks
Ganchos para nervios y vasos
Uncini per nervi e vasi



41242-19



41243-19



41244-19



41245-19

Griff für auswechselbare Gefäßmesser und Häkchen
Handle for interchangeable Vessel Knives and Hooks
Mangos para bisturí y ganchos intercambiables
Manico per lame da bistrui e uncini intercambiabili



93440-02 95 mm / 3 3/4" JACOBSON

auswechselbares Gefäßmesser für Griff 93440-01
interchangeable vessel knife for handle 93440-01
cuchillo suelto para mango 93440-01
bisturi intercambiabile per manico 93440-01



93440-03 85 mm / 3 5/8" "

auswechselbares Häkchen für Griff 93440-01
interchangeable hook for handle 93440-01
cuchillo suelto para mango 93440-01
uncino intercambiabile per manico 93440-01



93440-01
105 mm / 4 1/8"

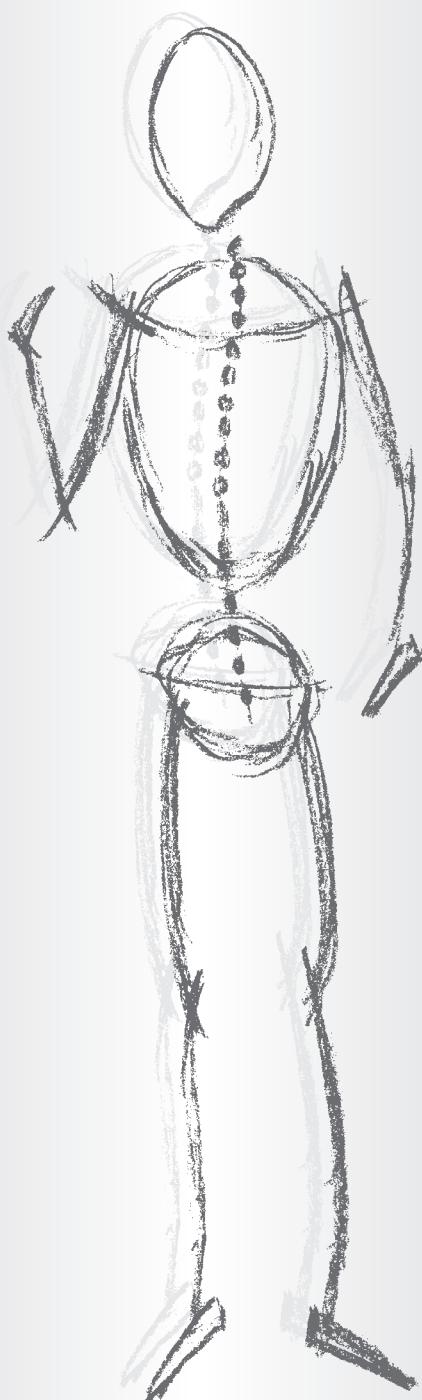
Griff mit Spannfutter
handle with chuck
mango con chuck
manico con mandrino

Mikro-Häkchen, Mikro-Gefäßmesser
Micro Hooks, Micro Vessel Knives
Micro-ganchitos y micro-cuchillos
Micro uncinetti e micro coltelli per vasi



| | | |
|----------|--------------------------|-------------------------|
| 93450-01 | 230 mm / 9" | |
| | scharf | |
| | sharp | |
| | agudo | |
| | acuto | |
| 93450-02 | 230 mm / 9" | |
| | stumpf | |
| | blunt | |
| | romo | |
| | smusso | |
| 90° | 41236-19 | 185 mm / 7 1/4" FISCH |
| | | scharf, gebogen |
| | | sharp, curved |
| | | agudo, curvado |
| | | acuto, curva |
| 90° | 41237-19 | 185 mm / 7 1/4" FISCH |
| | | scharf, abgewinkelt |
| | | sharp, angled |
| | | agudo, angulado |
| | | acuto, angolato |
| 93450-04 | 185 mm / 7 1/4" JACOBSON | |
| | | Mikro-Gefäßmesser |
| | | Micro Vessel Knife |
| | | Micro-cuchillo |
| | | Micro coltello per vasi |

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



SPREIZER

SPREADER

SEPARADORES

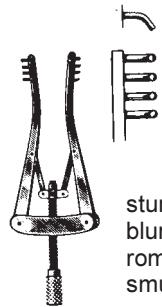
DIVARICATORI

REDA

www.Redainstrumente.de

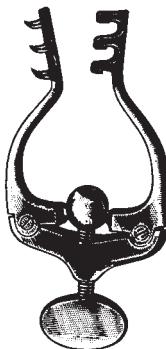
Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Divaricatori autostatici

scharf
sharp
agudo
acuto

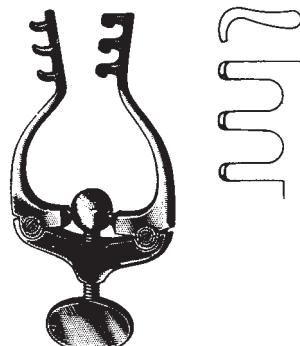


stumpf
blunt
romo
smusso

ALM
19620-07 7 cm, 2 3/4" 19621-07
19620-10 10 cm, 4" 19621-10



JANSEN
19630-10
10 cm, 4"



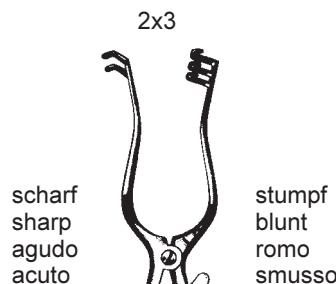
JANSEN
19631-10
10 cm, 4"

scharf
sharp
agudo
acuto

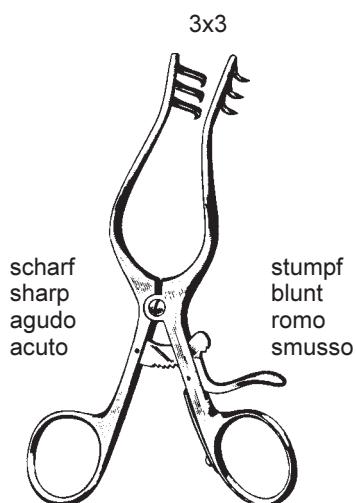


HOLZHEIMER
19634-10 19635-10
10 cm, 4"

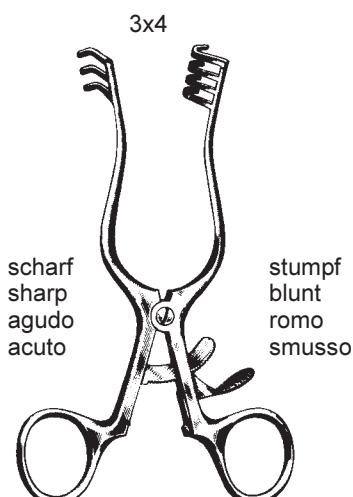
Wundspreizer
 Self-retaining Retractors
 Separadores autoestáticos
 Divaricatori autostatici



WEITLANER
 19650-10 19651-10
 11,5 cm, 4 1/2"

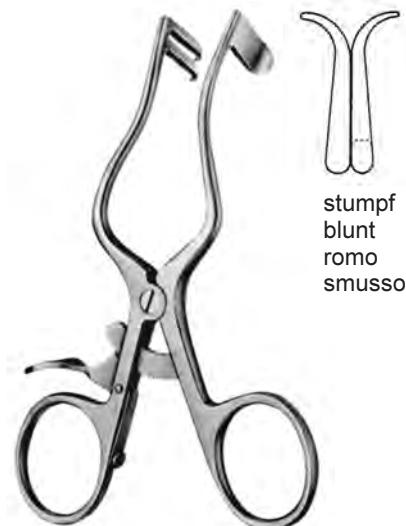


WEITLANER-WULLSTEIN
 19654-13 19655-13
 13 cm, 5 1/8"

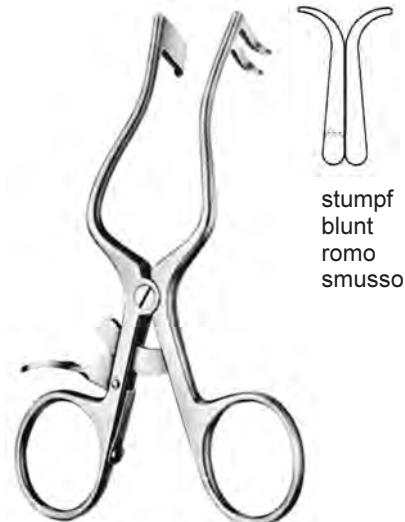


| | | |
|----------|-----------------|----------|
| 19670-14 | 14,0 cm, 5 1/2" | 19671-14 |
| 19670-16 | 16,5 cm, 6 1/2" | 19671-16 |
| 19670-20 | 20,0 cm, 8" | 19671-20 |
| 19670-24 | 24,0 cm, 9 1/2" | 19671-24 |

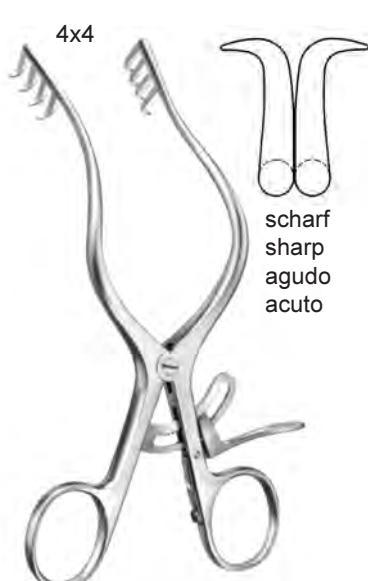
Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Divaricatori autostatici



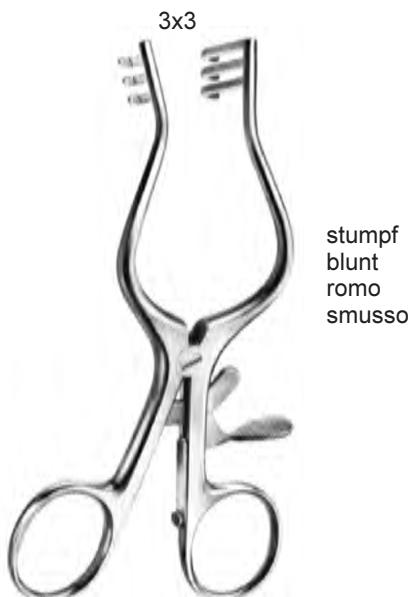
PLESTER
19672-11 11 cm, 4 3/8"



PLESTER
19673-11 11 cm, 4 3/8"

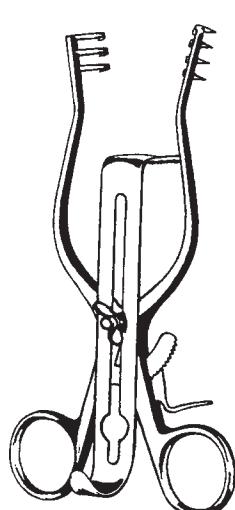


MOLLISON
19674-15 15 cm, 6"



WULLSTEIN
19675-13 13 cm, 5 1/8"

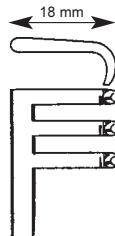
Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Divaricatori autostatici



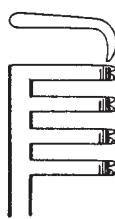
HENLEY
16,5 cm, 6 1/2"

19678-05 Retraktor allein, stumpf 3x4 Zähne
19678-05 Retractor only, blunt 3x4 teeth
19678-05 Separador solo, romo, 3x4 dientes
19678-05 Retrattore solo, smusso 3x4 denti

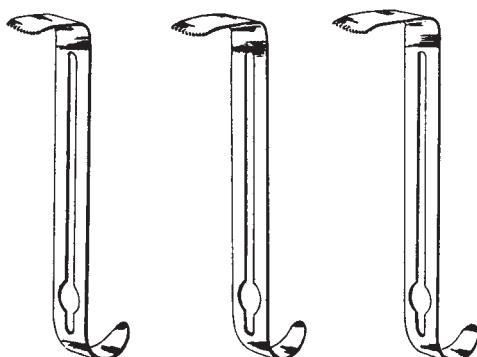
19678-06 Retraktor allein, scharf 3x4 Zähne
19678-06 Retractor only, sharp 3x4 teeth
19678-06 Separador solo, agudo, 3x4 dientes
19678-06 Retrattore solo, acuto 3x4 denti



19675-00 komplett, stumpf, 3x4 Z. und 3 Valven
19675-00 complete, blunt, 3x4 teeth and 3 blades
19675-00 completo, romo, 3x4 dientes y 3 valvas
19675-00 completo, smusso, 3x4 d. e 3 valve



19676-00 komplett, scharf, 3x4 Z. und 3 Valven
19676-00 complete, sharp, 3x4 teeth and 3 blades
19676-00 completo, agudo, 3x4 dientes y 3 valvas
19676-00 completo con retr. acuto 3x4 d. e 3 valve



19677-19
16x19 mm
5/8" x 3/4"

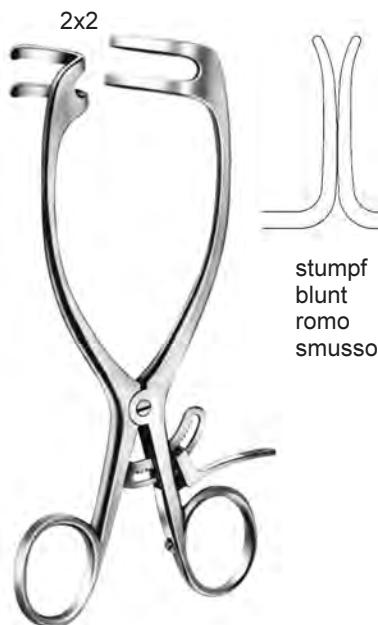
19677-25
16x25 mm
5/8" x 1"

19677-32
16x32 mm
5/8" x 1 1/4"

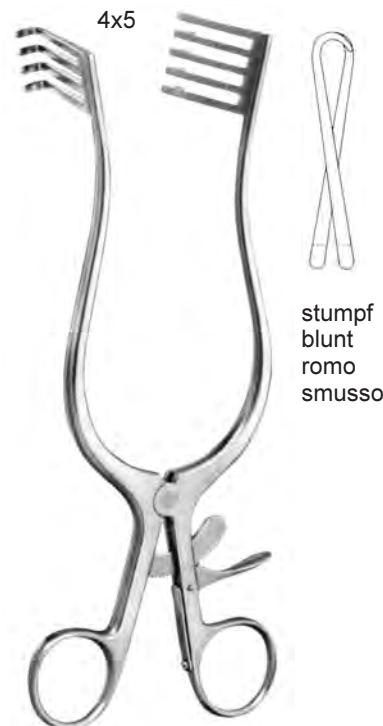
Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Divaricatori autostatici



PLESTER
19677-13 13 cm, 5 1/8"

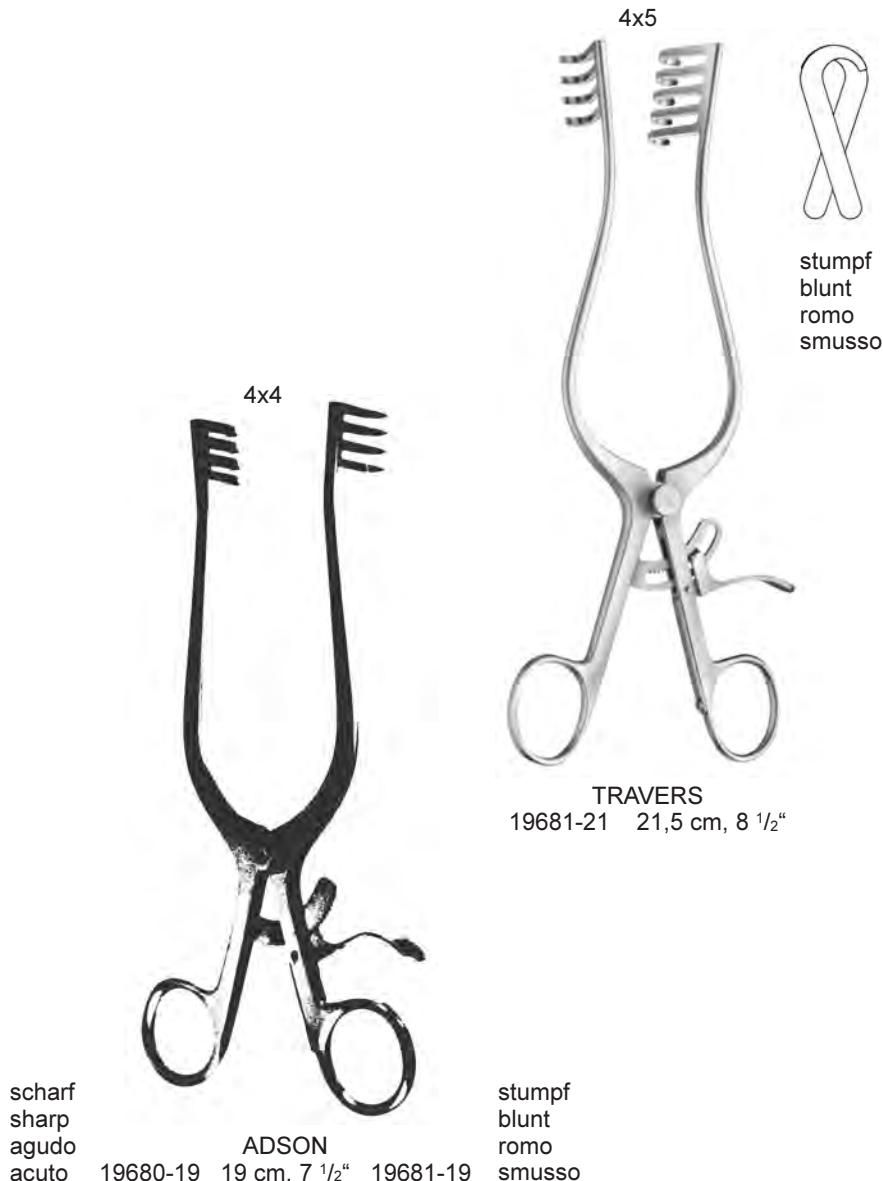


MAYO-ADAMS
19678-16 16,5 cm, 6 1/2"

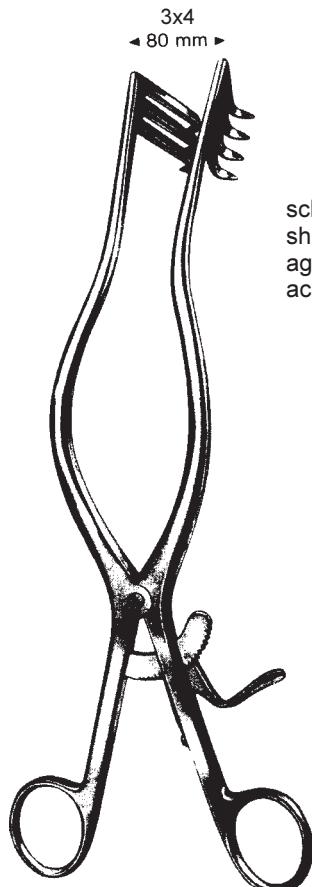


NORFOLK / NORWICH
19679-22 22 cm, 8 3/4"

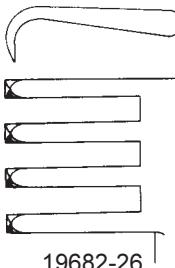
Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Divaricatori autostatici



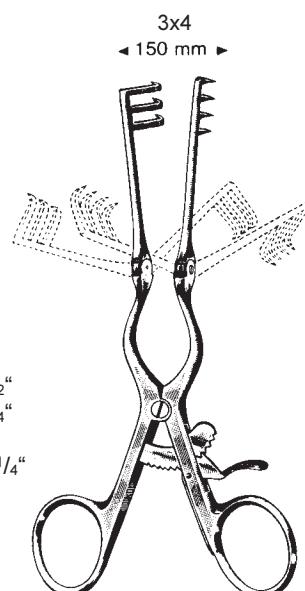
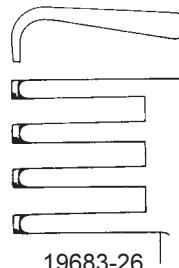
Wundspreizer
Self-retaining Retractors
Separadores autoestáticos
Divaricatori autostatici



scharf
sharp
agudo
acuto



stumpf
blunt
romo
smusso



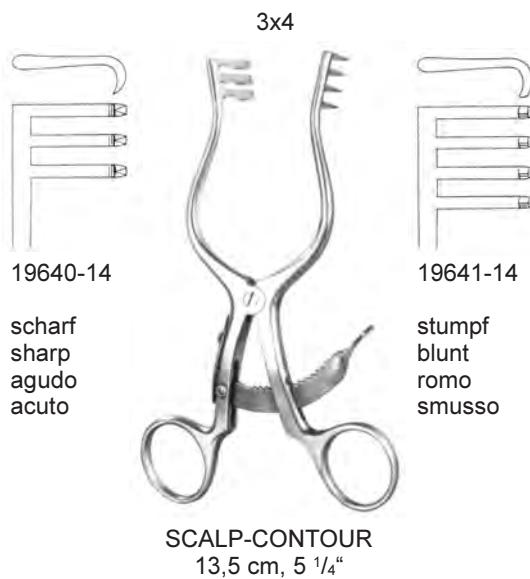
19684-14 14 cm, 5 $\frac{1}{2}$ "
19684-16 16 cm, 6 $\frac{1}{4}$ "
19684-20 20 cm, 8"
19684-26 26 cm, 10 $\frac{1}{4}$ "

scharf
sharp
agudo
acuto

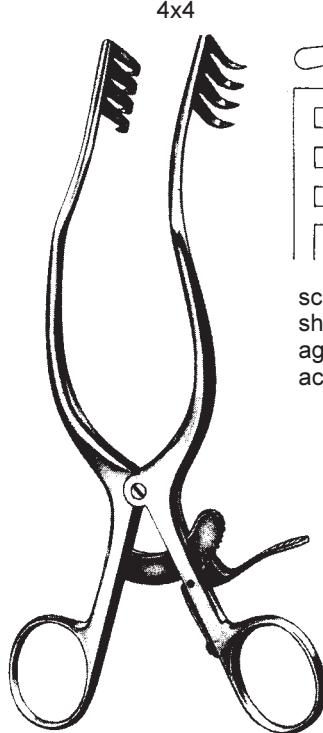
19685-14 14 cm, 5 $\frac{1}{2}$ "
19685-16 16 cm, 6 $\frac{1}{4}$ "
19685-20 20 cm, 8"
19685-26 26 cm, 10 $\frac{1}{4}$ "

stumpf
blunt
romo
smusso

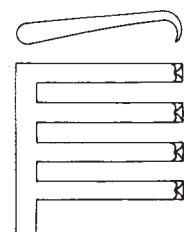
Kopfhautspreizer
Scalp Retractor
Separador para el cuero cabelludo
Divaricatore autostatico per cuoio capelluto



Zerebellum-Spreizer
Cerebellar Retractor
Separador para cerebelo
Divaricatore per cervelletto



ANDERSON ADSON
19679-20 19,5 cm, 7 3/4"



scharf
sharp
agudo
acuto



MISKIMON
22 cm, 8 3/4"

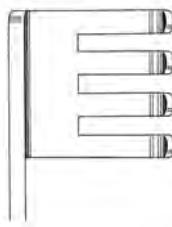
| | |
|----------|----------|
| 19693-01 | 19693-02 |
| scharf | stumpf |
| sharp | blunt |
| agudo | romo |
| acuto | smusso |

Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia

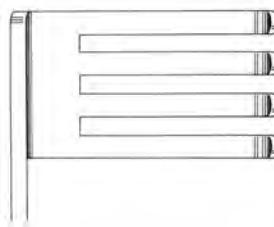


Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia

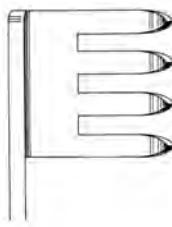
4x4



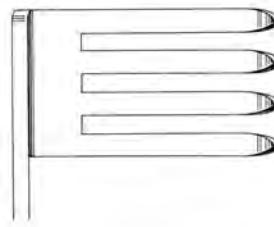
19687-01
25 x 27 mm
stumpf
blunt
romo
smusso



19688-01
45 x 27 mm
stumpf
blunt
romo
smusso



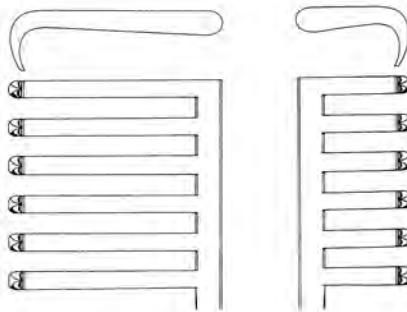
19687-02
25 x 27 mm
scharf
sharp
agudo
acuto



19688-02
45 x 27 mm
scharf
sharp
agudo
acuto

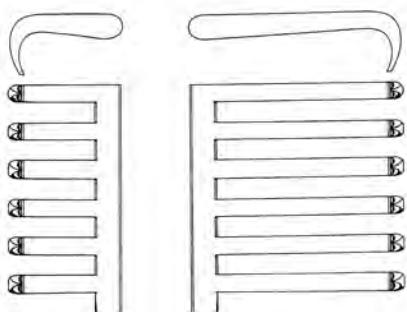
BECKMANN-ADSON
31 cm, 12 1/4"

Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia



19689-01

scharf, lange Zähne links
sharp, long teeth on left side
agudo, dientes largos a la izquierda
acuto, denti lunghi a sinistra

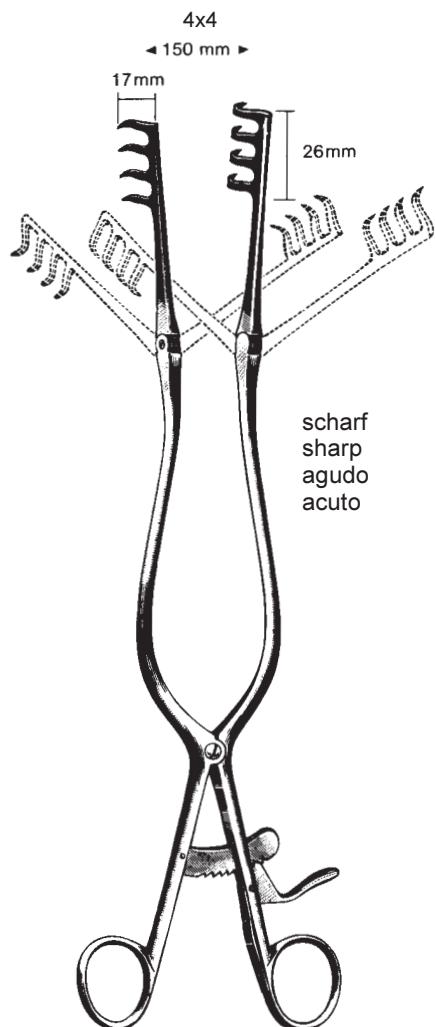


19689-02

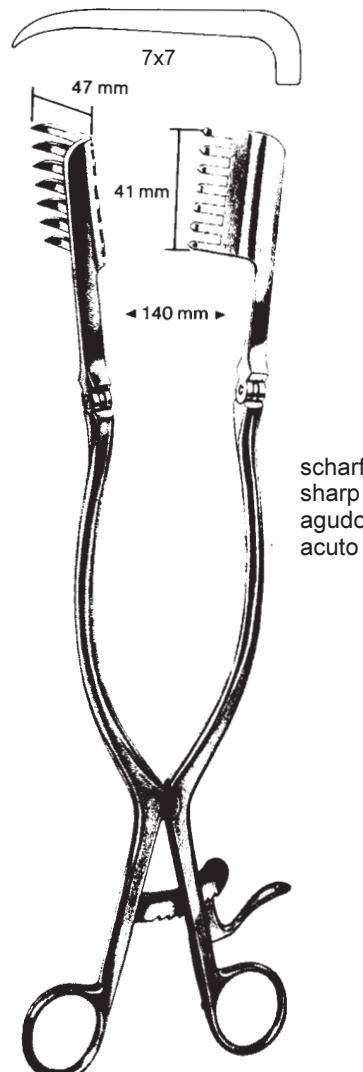
scharf, lange Zähne rechts
sharp, long teeth on right side
agudo, dientes largos a la derecha
acuto, denti lunghi a destra

28,5 cm, 11 1/4"

Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia



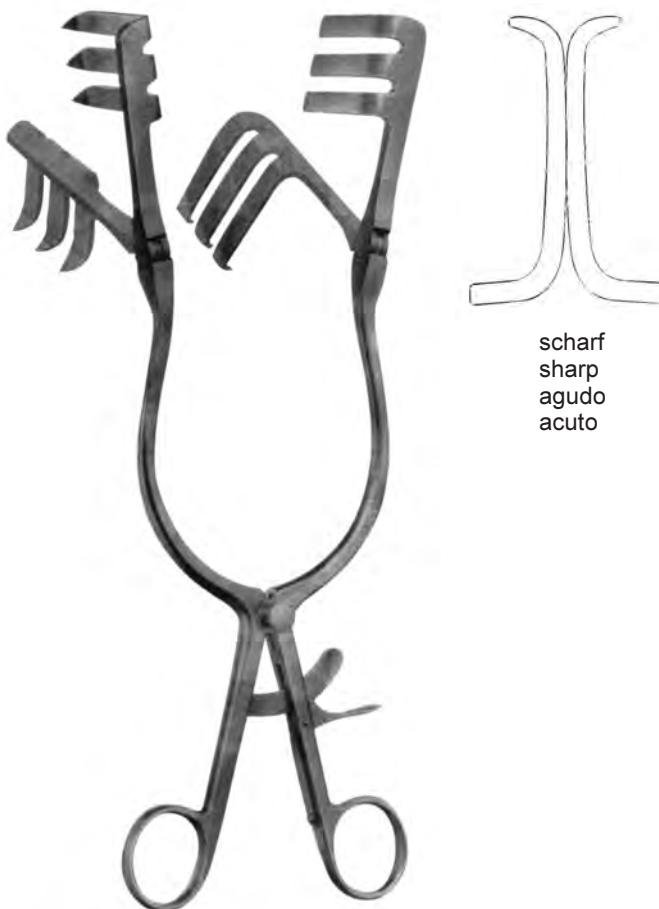
BECKMANN
19690-31
31 cm, 12 1/4"



BECKMANN-EATON
19692-32
32 cm, 12 3/4"

Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia

3x3



scharf
sharp
agudo
acuto

HARVEY-JACKSON
19693-28
28 cm, 11"

Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia

Blätter rechts
blades right hand side
valvas a la derecha
Lame destra



KNIGHTON
19694-18
18 cm, 7"

Blätter links
blades left hand side
valvas a la izquierda
Lame sinistra



KNIGHTON
19695-18
18 cm, 7"

Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia

Blätter rechts
blades right hand side
valvas a la derecha
Lame destra



WALTON
19695-01
18 cm, 7"

Blätter links
blades left hand side
valvas a la izquierda
Lame sinistra



WALTON
19695-02
18 cm, 7"

Laminektomie-Wundspreizer
 Laminectomy Retractors
 Separadores para laminectomía
 Divaricatori per laminectomia

19770-00 CASPAR



Sperrer mit Haken 19772-38 und
 5 Blättern 19774-37 - 19774-57
 Retractor with hook 19772-38 and
 5 blades 19774-37 - 19774-57
 Retractor con gancho 19772-38 y
 5 hojas 19774-37 - 19774-57
 Divaricatore con gancio 19772-38 e
 5 valve 19774-37 - 19774-57

19770-11
 Sperrer, alleine
 Retractor, only
 Retractor, suelto
 Divaricatore solo



19779-00
 Drehschlüssel alleine
 Key only
 Llave sola
 Chiave sola



19772-38 Haken 38 mm
 Hook 38 mm
 gancho de 38 mm
 gancio 38 mm



19774-32 32 x 22 mm
 19774-37 37 x 22 mm
 19774-43 43 x 22 mm
 19774-47 47 x 22 mm
 19774-52 52 x 22 mm
 19774-57 57 x 22 mm
 19774-62 62 x 22 mm
 19774-67 67 x 22 mm

Blätter / blades
 hojas / valve



19776-32 32 x 37 mm
 19776-37 37 x 37 mm
 19776-43 43 x 37 mm
 19776-47 47 x 37 mm
 19776-52 52 x 37 mm
 19776-57 57 x 37 mm
 19776-62 62 x 37 mm
 19776-67 67 x 37 mm

Blätter / blades
 hojas / valve



19778-32 32 x 52 mm
 19778-37 37 x 52 mm
 19778-43 43 x 52 mm
 19778-47 47 x 52 mm
 19778-52 52 x 52 mm
 19778-57 57 x 52 mm
 19778-62 62 x 52 mm
 19778-67 67 x 52 mm

Blätter / blades
 hojas / valve

Laminektomiespreizer
Laminectomy Retractors
Separadores para laminectomia
Divaricatori per laminectomia

SCOVILLE-HAVERFIELD
19910-00
Rahmen allein
Frame only
Marco solo
Telaio solo



SCOVILLE-HAVERFIELD
19910-01
komplett bestehend aus:
complete consisting of:
completo con:
completo con:
19910-00 + 19913-50 + 19917-64

SCOVILLE
19911-00
Rahmen allein
Frame only
Marco solo
Telaio solo



SCOVILLE
19911-01
komplett bestehend aus:
complete consisting of:
completo con:
completo con:
19911-00 + 19913-50 + 19917-64



SCOVILLE
19912-50
50 mm



SCOVILLE
19912-70
70 mm



SCOVILLE
19914-41 41 x 38 mm
19914-67 67 x 44 mm



TAYLOR
19915-48 48 x 50 mm
19915-64 64 x 50 mm
19916-64 64 x 64 mm
19916-80 80 x 57 mm



SCOVILLE
19913-50
50 mm



SCOVILLE
19913-70
70 mm



SCOVILLE
19917-64 64 x 25 mm
19918-64 64 x 50 mm
19918-88 88 x 25 mm

Laminektomiespreizer
Laminectomy Retractors
Separadores para laminectomia
Divaricatori per laminectomia

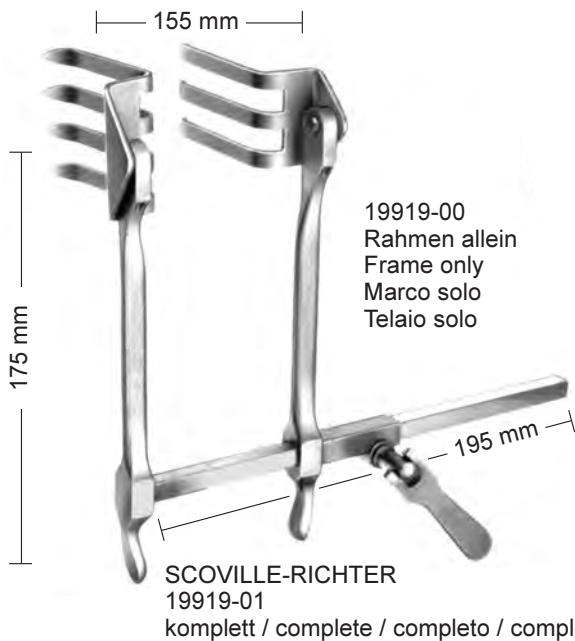
62 x 52 mm 62 x 37 mm



19919-02
1 Paar / 1 pair / 1 par / 1 paio



19919-03
47 x 51 mm



Rahmen mit 1 Paar Valven 19919-02
frame with one pair of blades 19919-02
marco con 1 par de valvas 19919-02
divaricatore con valve 19919-02

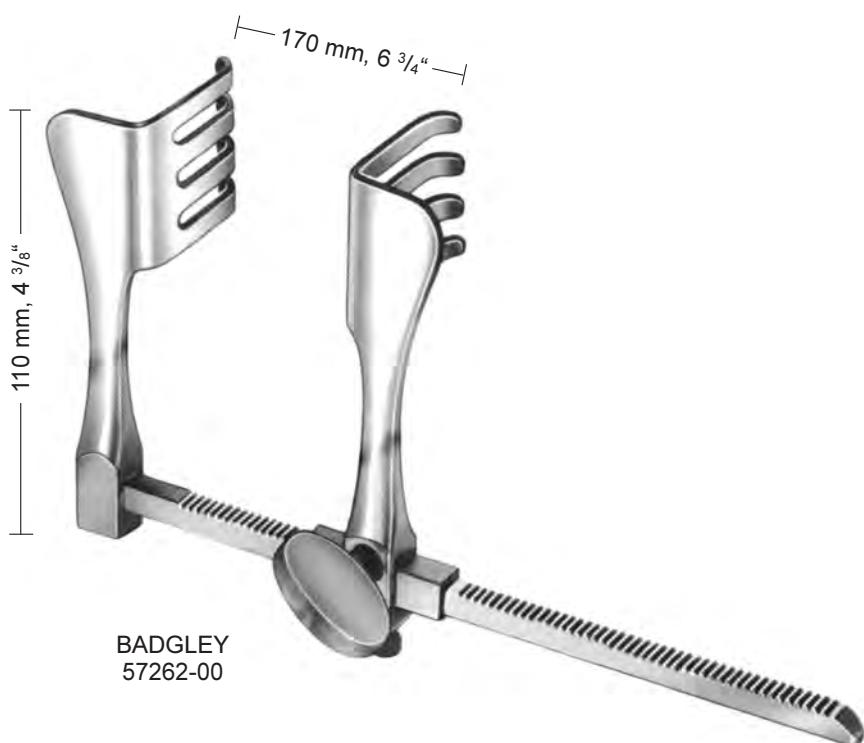


19919-04
30 x 40 mm



19919-05
37 x 62 mm

Laminektomie-Wundspreizer
Laminectomy Retractors
Separadores para laminectomía
Divaricatori per laminectomia



Cervicalspreizer
Cervical Retractor
Separador cervical
Divaricatore cervicale



CLOWARD
25 cm, 10"



spitz
sharp
agudo
acuto

— 23 mm —

| | |
|----------|-----------------|
| 19710-40 | 40 x 15 / 23 mm |
| 19710-45 | 45 x 15 / 23 mm |
| 19710-50 | 50 x 15 / 23 mm |
| 19710-55 | 55 x 15 / 23 mm |
| 19710-60 | 60 x 15 / 23 mm |

19710-01
Sperrer, alleine
Retractor, only
Retractor, suelto
Divaricatore solo

19710-00
Sperrer komplett mit 5 Valven spitz
Retractor complete with 5 blades sharp
Separador completo con 5 valvas agudas
Divaricatore completo con 5 valve acute

Cervicalspreizer
Cervical Retractor
Separador cervical
Divaricatore cervicale



CLOWARD
25 cm, 10"



stumpf
blunt
romo
smusso

19711-40 40 x 15 / 23 mm
19711-45 45 x 15 / 23 mm
19711-50 50 x 15 / 23 mm
19711-55 55 x 15 / 23 mm
19711-60 60 x 15 / 23 mm

19710-01
Sperrer, alleine
Retractor, only
Retractor, suelto
Divaricatore solo

19712-00
Sperrer komplett mit 5 Valven stumpf
Retractor complete with 5 blades blunt
Separador completo con 5 valvas romas
Divaricatore completo con 5 valve smusse

Cervicalspreizer
Cervical Retractor
Separador cervical
Divaricatore cervicale

spitz
sharp
agudo
acuto

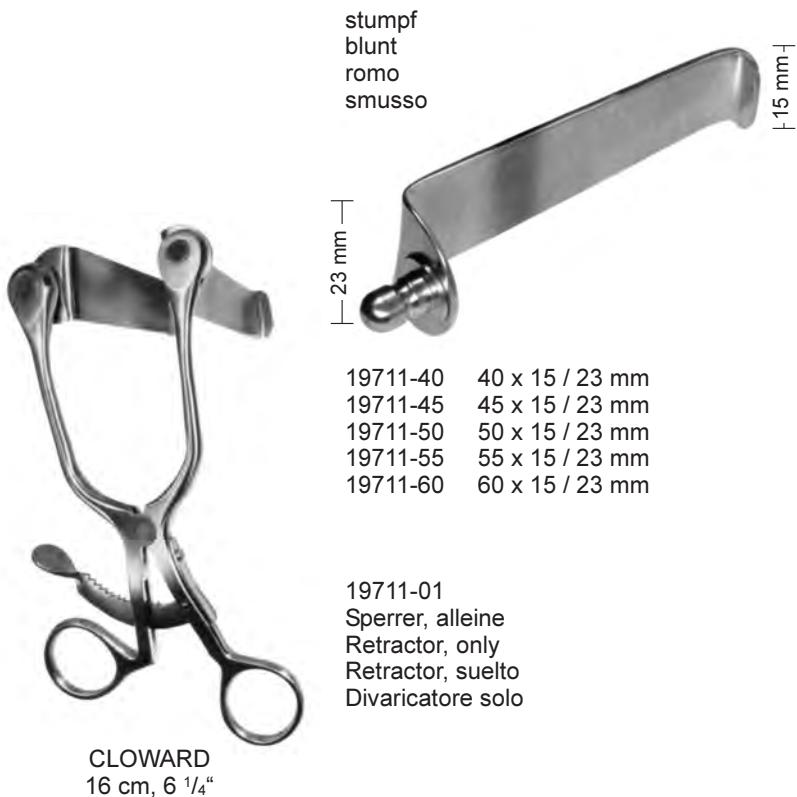


CLOWARD
16 cm, 6 1/4"

19711-01
Sperrer, alleine
Retractor, only
Retractor, suelto
Divaricatore solo

19711-00
Sperrer komplett mit 5 Valven spitz
Retractor complete with 5 blades sharp
Separador completo con 5 valvas agudas
Divaricatore completo con 5 valve acute

Cervicalspreizer
Cervical Retractor
Separador cervical
Divaricatore cervicale



19713-00
Sperrer komplett mit 5 Valven stumpf
Retractor complete with 5 blades blunt
Separador completo con 5 valvas romas
Divaricatore completo con 5 valve smusse

Cervicalspreizer
Cervical Retractor
Separador cervical
Divaricatore cervicale

— 90 mm, 3 1/2 " —



CASPAR
19721-15
165 mm, 5 1/2"

Sperrer, alleine
Retractor, only
Retractor, suelto
Divaricatore solo



19726-01

Blätter-Wechselpinzette
Blade ejector
Pinza para cambiar hojas
Pinze per cambiare valve

19721-00 compl.

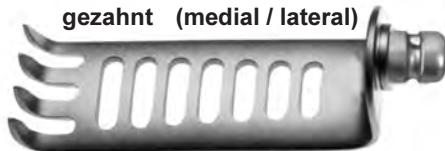
5 Valven / 5 blades / 5 valvas / 5 valve
Blätter, stumpf / blunt blades, only stainless steel /
hojas romas de acero inox. / valve smusse di acciaio inox

- 19738-45 45 x 23 mm
- 19738-50 50 x 23 mm
- 19738-55 55 x 23 mm
- 19738-60 60 x 23 mm
- 19738-65 65 x 23 mm

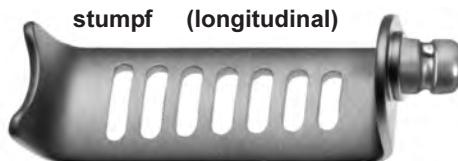


Titan Blätter, gefenstert
 Titanium blades, fenestrated
 Valvas de titanio, fenestradas
 Valve de titanio, fenestrate

| | |
|---------------|-----------|
| 19 mm x 25 mm | 19727-25T |
| 19 mm x 30 mm | 19727-30T |
| 19 mm x 35 mm | 19727-35T |
| 19 mm x 40 mm | 19727-40T |
| 19 mm x 45 mm | 19727-45T |
| 19 mm x 50 mm | 19727-50T |
| 19 mm x 55 mm | 19727-55T |
| 19 mm x 60 mm | 19727-60T |



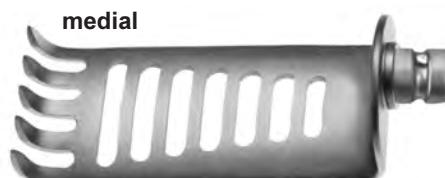
| | |
|---------------|-----------|
| 19 mm x 25 mm | 19728-25T |
| 19 mm x 30 mm | 19728-30T |
| 19 mm x 35 mm | 19728-35T |
| 19 mm x 40 mm | 19728-40T |
| 19 mm x 45 mm | 19728-45T |
| 19 mm x 50 mm | 19728-50T |
| 19 mm x 55 mm | 19728-55T |
| 19 mm x 60 mm | 19728-60T |



| | |
|---------------|-----------|
| 24 mm x 30 mm | 19729-30T |
| 24 mm x 35 mm | 19729-35T |
| 24 mm x 40 mm | 19729-40T |
| 24 mm x 45 mm | 19729-45T |
| 24 mm x 50 mm | 19729-50T |
| 24 mm x 55 mm | 19729-55T |
| 24 mm x 60 mm | 19729-60T |
| 24 mm x 65 mm | 19729-65T |
| 24 mm x 70 mm | 19729-70T |



| | |
|---------------|-----------|
| 24 mm x 30 mm | 19730-30T |
| 24 mm x 35 mm | 19730-35T |
| 24 mm x 40 mm | 19730-40T |
| 24 mm x 45 mm | 19730-45T |
| 24 mm x 50 mm | 19730-50T |
| 24 mm x 55 mm | 19730-55T |
| 24 mm x 60 mm | 19730-60T |
| 24 mm x 65 mm | 19730-65T |
| 24 mm x 70 mm | 19730-70T |



| | |
|---------------|-----------|
| 24 mm x 35 mm | 19731-35T |
| 24 mm x 40 mm | 19731-40T |
| 24 mm x 45 mm | 19731-45T |
| 24 mm x 50 mm | 19731-50T |
| 24 mm x 55 mm | 19731-55T |
| 24 mm x 60 mm | 19731-60T |
| 24 mm x 65 mm | 19731-65T |
| 24 mm x 70 mm | 19731-70T |
| 24 mm x 75 mm | 19731-75T |



Blätter für Cervicalspreizer
 Blades for cervical Retractors
 Hojas sueltas para separador cervical
 Valve per divaricatori cervicale



19724-55
 55 x 20 mm

Blätter, medial / medial blades, only stainless steel /
 hojas mediales de acero inox. / valve mediali di acciaio inox

| | | | |
|----------|------------|----------|------------|
| 19724-40 | 40 x 23 mm | 19724-55 | 55 x 23 mm |
| 19724-45 | 45 x 23 mm | 19724-60 | 60 x 23 mm |
| 19724-50 | 50 x 23 mm | | |

Blätter, medial, TITAN / medial blades, only, TITANIUM /
 hojas mediales de TITANIO / valve mediali di TITANIO

| | | | |
|------------|------------|------------|------------|
| 19732-25 T | 25 x 24 mm | 19732-50 T | 50 x 24 mm |
| 19732-30 T | 30 x 24 mm | 19732-55 T | 55 x 24 mm |
| 19732-35 T | 35 x 24 mm | 19732-60 T | 60 x 24 mm |
| 19732-40 T | 40 x 24 mm | 19732-65 T | 65 x 24 mm |
| 19732-45 T | 45 x 24 mm | 19732-70 T | 70 x 24 mm |



19734-50
 50 x 23 mm

Blätter, lateral / lateral blades, only stainless steel /
 hojas laterales de acero inox. / valve laterali di acciaio inox

| | | | |
|----------|------------|----------|------------|
| 19725-40 | 40 x 23 mm | 19725-55 | 55 x 23 mm |
| 19725-45 | 45 x 23 mm | 19725-60 | 60 x 23 mm |
| 19725-50 | 50 x 23 mm | | |

Blätter, lateral, TITAN / lateral blades, only, TITANIUM /
 hojas laterales de TITANIO / valve laterali di TITANIO

| | | | |
|------------|------------|------------|------------|
| 19736-25 T | 25 x 24 mm | 19736-50 T | 50 x 24 mm |
| 19736-30 T | 30 x 24 mm | 19736-55 T | 55 x 24 mm |
| 19736-35 T | 35 x 24 mm | 19736-60 T | 60 x 24 mm |
| 19736-40 T | 40 x 24 mm | 19736-65 T | 65 x 24 mm |
| 19736-45 T | 45 x 24 mm | 19736-70 T | 70 x 24 mm |



19738-55
 55 x 23 mm

Blätter, stumpf / blunt blades, only stainless steel /
 hojas romas de acero inox. / valve smusse di acciaio inox

| | | | |
|----------|------------|----------|------------|
| 19738-45 | 45 x 23 mm | 19738-60 | 60 x 23 mm |
| 19738-50 | 50 x 23 mm | 19738-65 | 65 x 23 mm |
| 19738-55 | 55 x 23 mm | | |

Blätter, stumpf, TITAN / blunt blades, only, TITANIUM /
 hojas romas de TITANIO / valve smusse di TITANIO

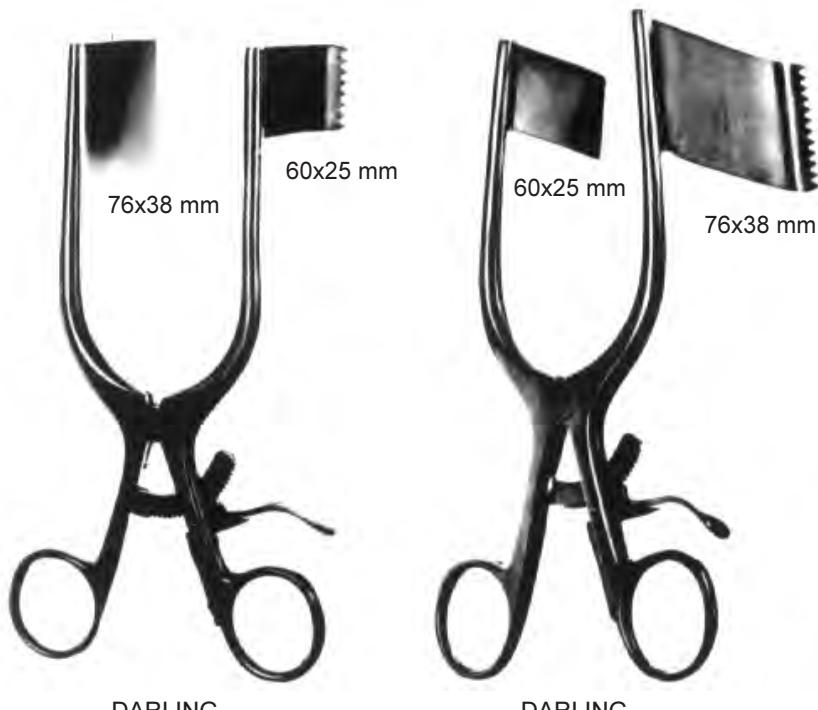
| | | | |
|------------|------------|------------|------------|
| 19739-30 T | 30 x 24 mm | 19739-55 T | 55 x 24 mm |
| 19739-35 T | 35 x 24 mm | 19739-60 T | 60 x 24 mm |
| 19739-40 T | 40 x 24 mm | 19739-65 T | 65 x 24 mm |
| 19739-45 T | 45 x 24 mm | 19739-70 T | 70 x 24 mm |
| 19739-50 T | 50 x 24 mm | 19739-75 T | 75 x 24 mm |



Blätter, stumpf / blunt blades, only stainless steel /
 hojas romas de acero inox. / valve smusse di acciaio inox

| | |
|----------|------------|
| 19740-50 | 50 x 25 mm |
| 19740-60 | 60 x 25 mm |

Hemilaminektomiespreizer
Hemilaminectomy Retractor
Separadores para hemilaminectomía
Divaricatori per emilaminectomia



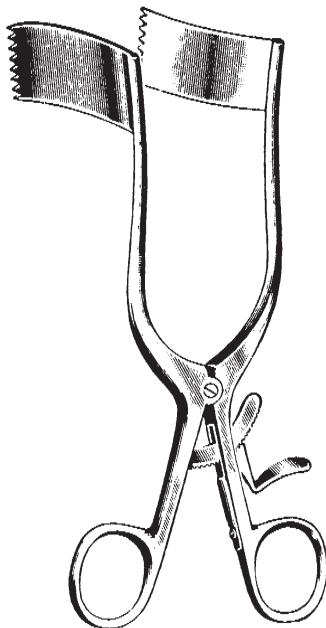
DARLING
19696-18 18 cm, 7"

links
left
a la izquierda
a sinistra

DARLING
19698-18 18 cm, 7"

rechts
right
a la derecha
a destra

Hemilaminektomiespreizer
Hemilaminectomy Retractor
Separadores para hemilaminectomía
Divaricatori per emilaminectomia



MEYERDING
17 cm, 6 3/4"
19748-01 2,5 x 3,2 cm
19748-02 2,5 x 5,4 cm
19748-03 1,9 x 6,0 cm
19748-04 2,5 x 6,0 cm



MARKHAM-MEYERDING 19749-01
18 cm, 7"
MARKHAM-MEYERDING 19749-02
18 cm, 7"

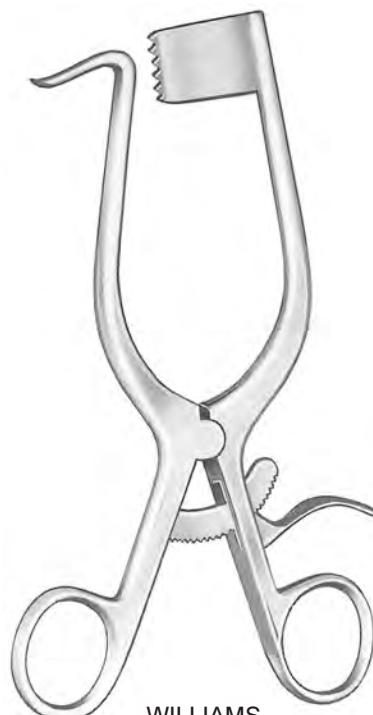
Hemilaminektomiespreizer
Hemilaminectomy Retractor
Separadores para hemilaminectomía
Divaricatori per emilaminectomia



WILLIAMS
20 cm, 8"

| | |
|------------|----------|
| 50 x 10 mm | 19750-01 |
| 60 x 10 mm | 19750-02 |
| 70 x 10 mm | 19750-03 |
| 50 x 20 mm | 19750-04 |
| 60 x 20 mm | 19750-05 |
| 70 x 20 mm | 19750-06 |

links
left
a la izquierda
a sinistra

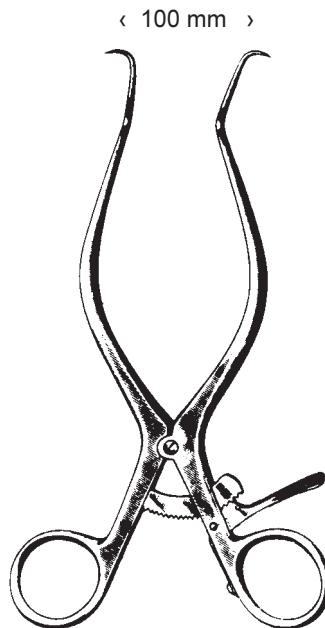


WILLIAMS
20 cm, 8"

| | |
|------------|----------|
| 50 x 10 mm | 19751-01 |
| 60 x 10 mm | 19751-02 |
| 70 x 10 mm | 19751-03 |
| 50 x 20 mm | 19751-04 |
| 60 x 20 mm | 19751-05 |
| 70 x 20 mm | 19751-06 |

rechts
right
a la derecha
a destra

Wundspreizer
Retractors
Separadores
Divaricatori



GELPI

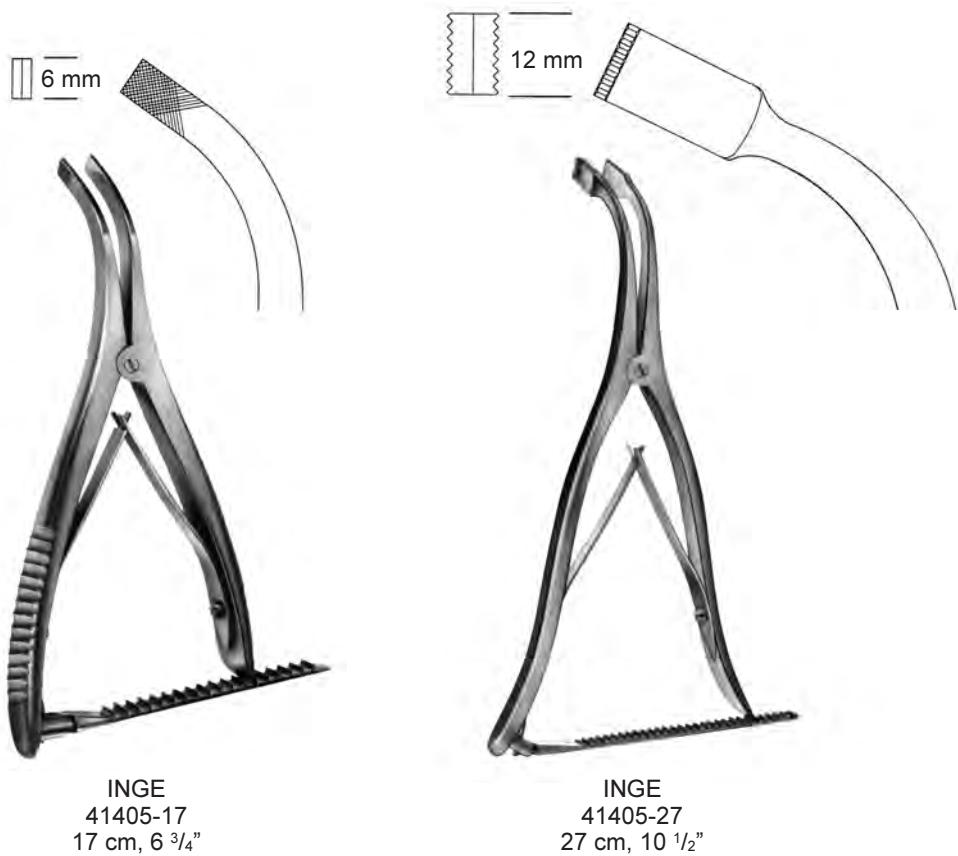
- | | |
|----------|---------------|
| 19802-09 | 9 cm, 3 1/2" |
| 19802-11 | 11 cm, 4 3/8" |
| 19802-14 | 14 cm, 5 1/2" |
| 19802-16 | 16 cm, 6 1/4" |
| 19802-18 | 18 cm, 7" |

Lamina Spreizer
Lamina Retractor
Separadores para vertebrales
Separatori per vertebre

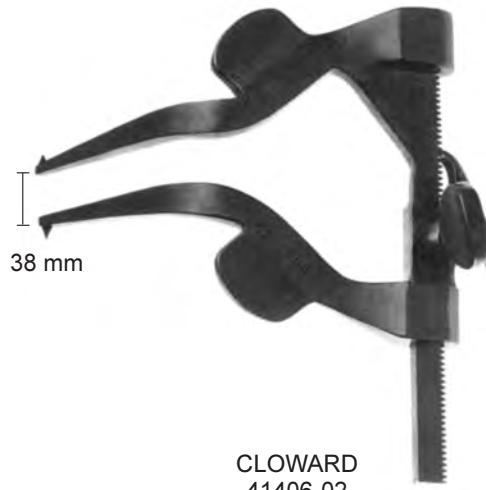


CLOWARD
41401-16
16 cm, 6 1/4"

Lamina Spreizer
Lamina Retractor
Separadores para vertebrales
Separatori per vertebre



Lamina Spreizer
Lamina Retractor
Separadores para vertebrales
Separatori per vertebre



Lumbal-Wundspreizer
Lumbal Retractors
Separadores lumbales autoestáticos
Divaricatori autostatici lombari



19745-40
40 mm, 1 1/2"



19745-45
45 mm, 1 3/4"



19745-60
60 mm, 2 1/4"



19745-50
50 mm, 2"



19745-65
65 mm, 2 1/2"



19745-55
55 mm, 2 1/8"



19745-70
70 mm, 2 3/4"

CASPAR
19744-00
compl. incl. 7 Blätter
compl. incl. 7 blades
completo con 7 valvas
complete di 7 valve

19744-17
ohne Blätter
without blades
sin valvas
senza valve

Spekula für lumbale Bandscheibenoperationen
Specula for lumbar operations
Especulas para operaciones lumbares
Specolo per ernia discale lombare



CASPAR

| | |
|----------|----------------|
| 19748-40 | 40 mm / 1 1/2" |
| 19748-45 | 45 mm / 1 3/4" |
| 19748-50 | 50 mm / 2" |
| 19748-55 | 55 mm / 2 1/8" |
| 19748-60 | 60 mm / 2 1/4" |
| 19748-65 | 65 mm / 2 1/2" |
| 19748-70 | 70 mm / 2 3/4" |
| 19748-75 | 75 mm / 3" |
| 19748-85 | 85 mm / 3 1/4" |



Lumbal-Wundspreizer
Lumbal Retractors
Separadores lumbales autoestáticos
Divaricatori autostatici lombari



19726-01 Blätter-Wechselpinzette
Blade ejector
Pinza para cambiar hojas
Pinze per cambiare valve



19930-00 Gegensperrer, komplett mit 6 Blättern
Counter Retractor, complete with 6 blades
Contra-retractor, completo, con 6 hojas
Divaricatore completo di 6 valve

19930-01 Gegensperrer, alleine
Counter Retractor, only
Contra-retractor, suelto
Divaricatore solo

19742-35 35 mm
19742-40 40 mm
19742-45 45 mm
19742-50 50 mm
19742-55 55 mm
19742-60 60 mm



Valven, lateral / blades, lateral
valvas, laterales / valve, laterali

Lumbal-Wundspreizer
Lumbal Retractors
Separadores lumbar
Divaricatore lombare



| | |
|----------|----------------|
| 19742-35 | 35 mm / 1 1/4" |
| 19742-40 | 40 mm / 1 1/2" |
| 19742-45 | 45 mm / 1 3/4" |
| 19742-50 | 50 mm / 2" |
| 19742-55 | 55 mm / 2 1/8" |
| 19742-60 | 60 mm / 2 1/4" |
| 19742-65 | 65 mm / 2 1/2" |
| 19742-75 | 75 mm / 3" |
| 19742-85 | 85 mm / 3 1/4" |

Blätter alleine, lateral
blades only, lateral
hojas sueltas, lateral
valve sole, laterale



| | |
|----------|----------------|
| 19743-35 | 35 mm / 1 1/4" |
| 19743-40 | 40 mm / 1 1/2" |
| 19743-45 | 45 mm / 1 3/4" |
| 19743-50 | 50 mm / 2" |
| 19743-55 | 55 mm / 2 1/8" |
| 19743-60 | 60 mm / 2 1/4" |
| 19743-65 | 65 mm / 2 1/2" |

Blätter alleine, medial
blades only, medial
hojas sueltas, medial
valve sole, mediali

Cervicales Wirbelkörper Distraktions System
Cervical Vertebral Body Distraction System
Cervical Sistema de distracción vertebral
Sistema di distrazione vertebrale cervicale



CASPAR
19920-01

- 19920-01 Distraktor alleine, rechts
Distractor only, right
Distractor suelto, lado derecho
Distrattore solo, a destra
- 19920-02 Distraktor alleine, links
Distractor only, left
Distractor suelto, lado izquierdo
Distrattore solo, a sinistra
- 19930-03 Distraktor alleine, rechts mit verlängerter Führungsstange für mehrere Distraktionen
Distractor only, right with elongated toothed bar for multilevel distraction
Distractor suelto, lado derecho, con guia alargada para distracciones multiples
Distrattore solo, a destra, allungato, per multi-distrazioni
- 19930-02 Distraktor alleine, links
Distractor only, left
Distractor suelto, lado izquierdo
Distrattore solo, a sinistra

Cervicales Wirbelkörper Distraktions System
Cervical Vertebral Body Distraction System
Cervical Sistema de distracción vertebral
Sistema di distrazione vertebrale cervicale



19940-01

19940-01

Bohrlehre, rechts, für Distraktor 19920-01 + 19930-01
Drill guide, right, for distractor 19920-01 + 19930-01
Guía, lado derecho, para distractor 19920-01 + 19930-01
Guida a destra per distrattore 19920-01 + 19930-01

19940-02

Bohrlehre, links, für Distraktor 19920-02 + 19930-02
Drill guide, left, for distractor 19920-02 + 19930-02
Guía, lado izquierdo, para distractor 19920-02 + 19930-02
Guida a sinistra per distrattore 19920-02 + 19930-02

Wirbelkörper Distraktions System
Vertebral Body Distraction System
Sistema de distracción vertebral
Sistema di distrazione vertebrale



Bohrer Ø 1,7 mm
für Distraktionsschrauben
Bohrtiefe 8 mm
Twist drill Ø 1,7 mm
for distraction screws
drilling depth: 8 mm
perforador Ø 1,7 mm
para tornillos de distracción
profundidad de 8 mm
perforatore Ø 1,7 mm
per viti di distrazione
profondità 8 mm

19950-14
145 mm
5 3/4"



Schraubendreher
für Distraktionsschrauben
Screw driver
for distraction screws
Atornillador
para tornillos de distracción
Cacciavite
per viti di distrazione

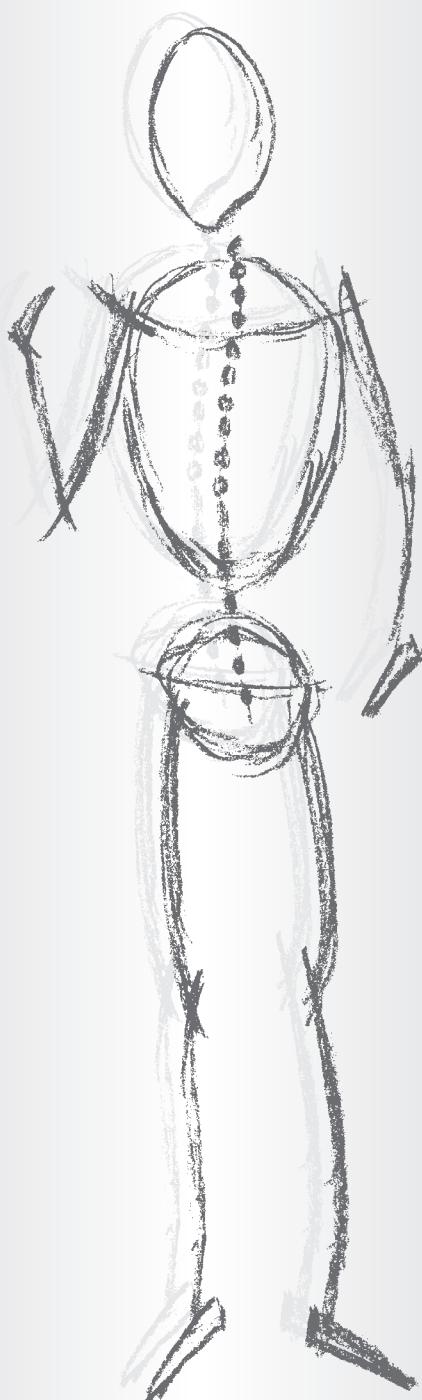
19960-20
200 mm
8"



19970-12 12 mm
19970-14 14 mm
19970-16 16 mm
19970-18 18 mm

Distraktionsschrauben
Distraction screws
Tornillos de distracción
Vite distrattore

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



ZANGEN

FORCEPS

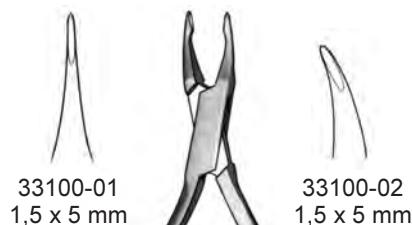
PINZAS

PINZE

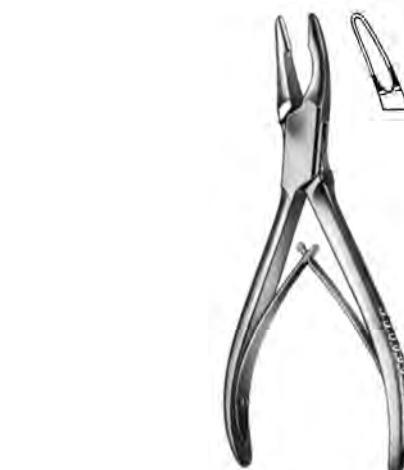
REDA

www.Redainstrumente.de

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



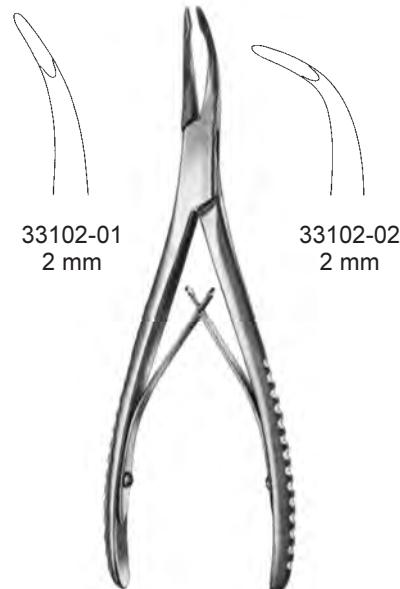
MICRO FRIEDMAN
14 cm, 5 1/2"



FRIEDMAN Mini
33101-12 12 cm, 4 3/4"



FRIEDMAN
33101-14 14 cm, 5 1/2"

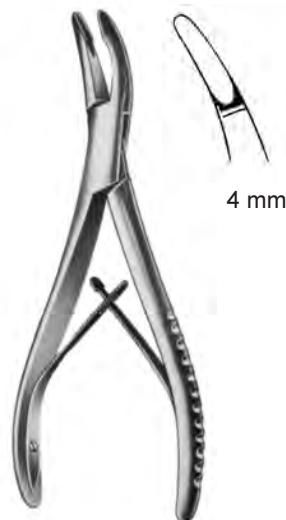


STELLBRINK
17 cm, 6 3/4"

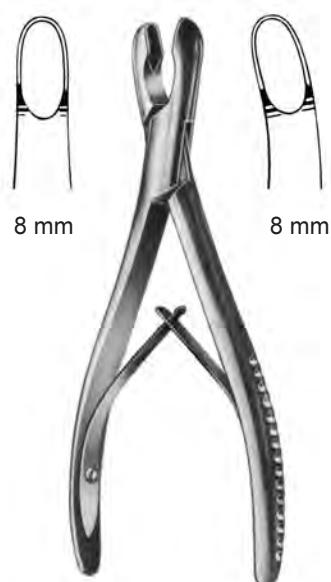
Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



LUER
33131-15 15 cm, 5.9"



LUER
33133-15 15 cm, 5.9"



— L U E R —
33136-17 33137-17
17 cm, 6 $\frac{3}{4}$ "



— A D S O N —
33142-20 33143-20
20 cm, 7.9"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



OLIVECRONA
33147-20 20 cm, 7.9"



BANE-HARTMANN
33148-18 17,5 cm, 7"



— LEMPERT —
33150-16 33151-16
16 cm, 6 1/4"



— JANSEN —
33152-17 33153-17
17 cm, 6 3/4"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie

3 mm



— LEMPERT —
33154-18 33155-18
18,5 cm, 7 1/4"

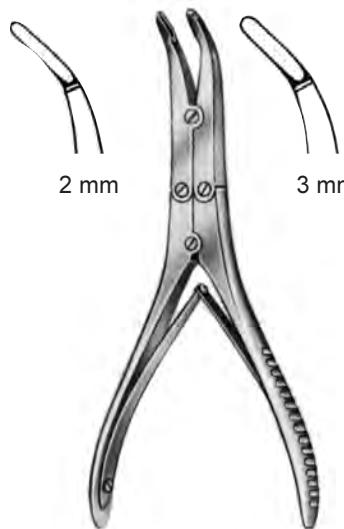
3 mm



BEYER
33156-18
18 cm, 7"

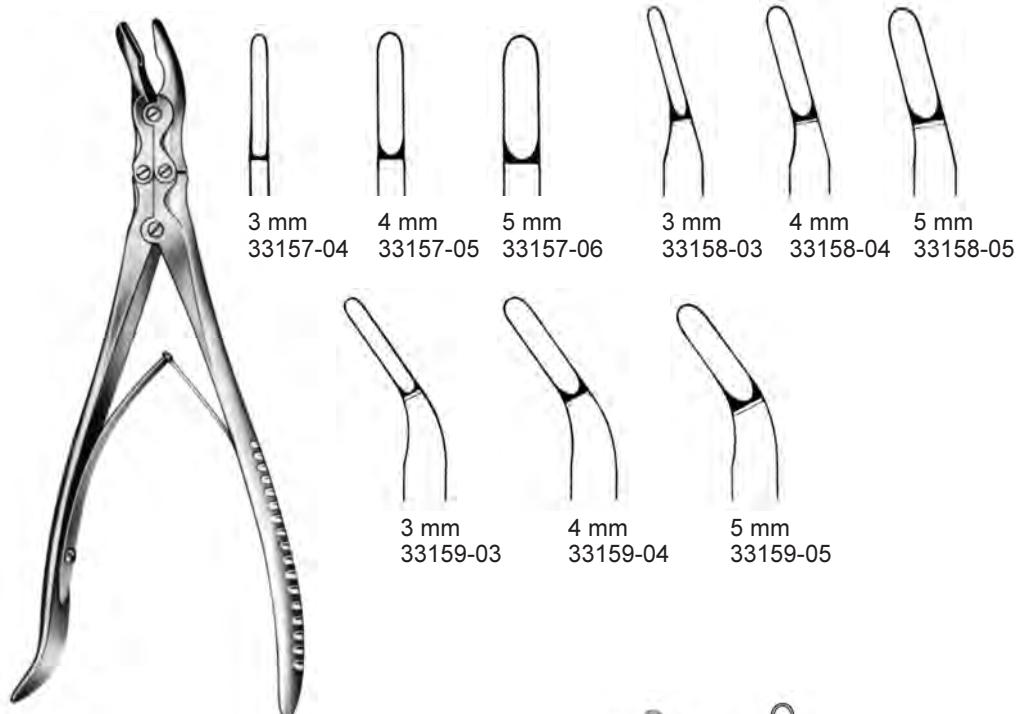
2 mm

3 mm

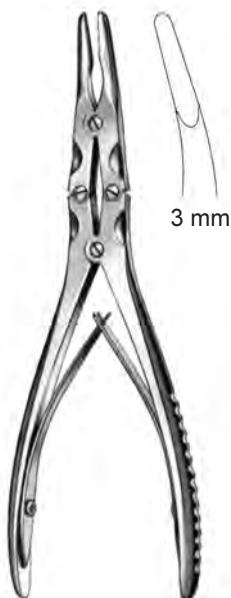


KLEINERT-KUTZ
33157-02 33157-03
15 cm, 6"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



BEYER
33201-18
18 cm, 7"



MAYFIELD
33202-18
18 cm, 7"

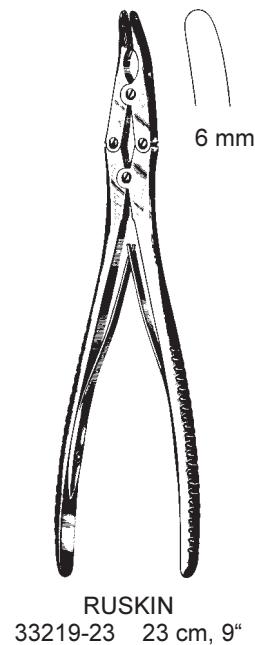
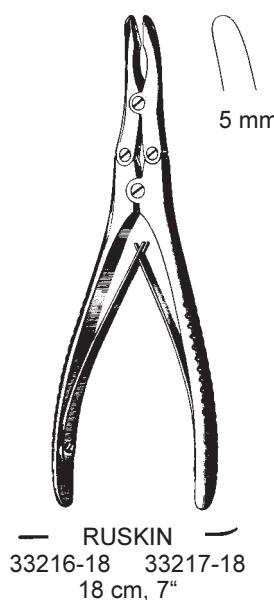


ZAUFAL-JANSEN
33205-18
18 cm, 7"



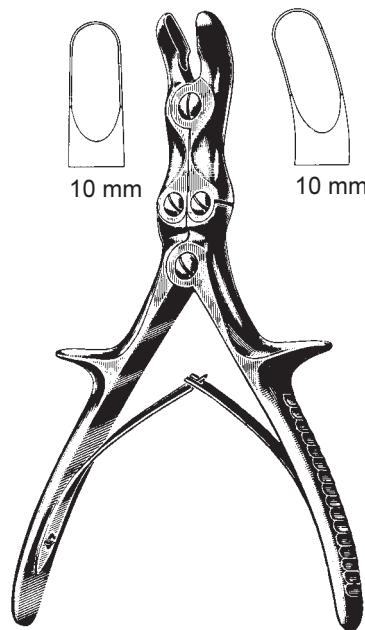
— BÖHLER —
33211-15 33213-15
15 cm, 6"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie

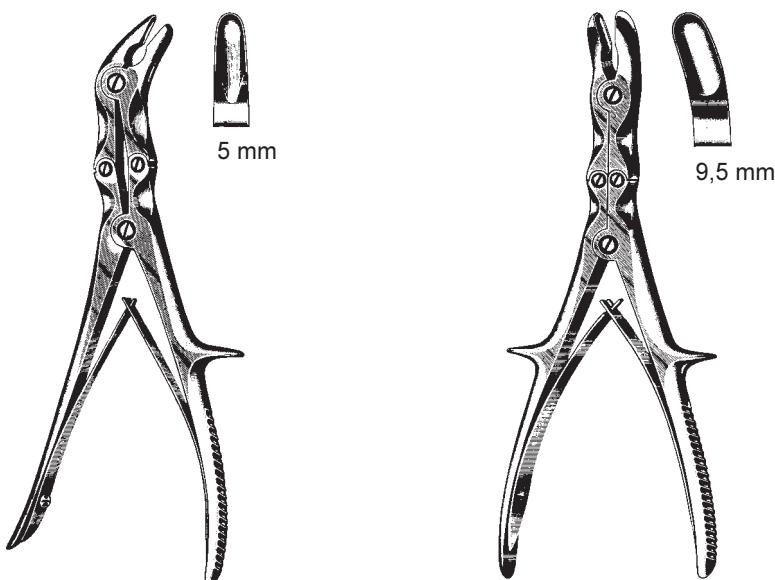


MARQUARDT
33220-20 20 cm, 8"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



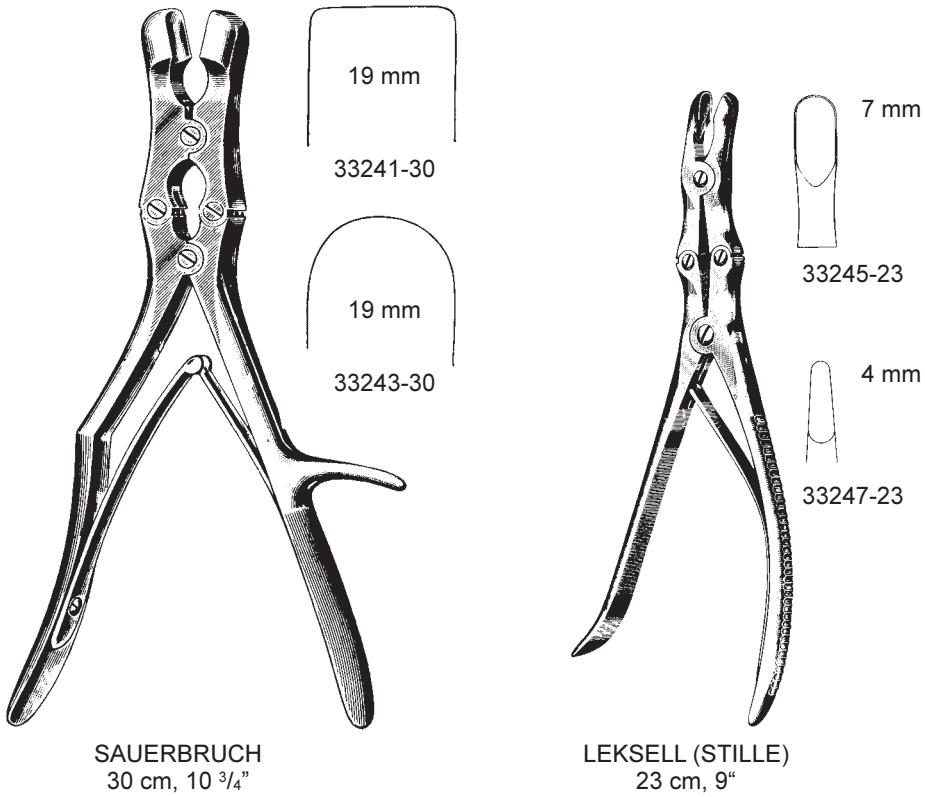
— STILLE-LUER —
33230-22 22 cm, 8 $\frac{3}{4}$ " 33231-22
33230-26 26 cm, 10 $\frac{1}{4}$ " 33231-26



STILLE-LUER
33235-23
23 cm, 9"

STILLE-RUSKIN
33237-23
23 cm, 9"

Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



Hohlmeißelzangen
Bone Rongeurs
Pinzas-gubias
Pinze sgorbie



33257-23 2 mm



33258-23 4 mm



33259-23 3 mm

ECHLIN
23 cm, 9"

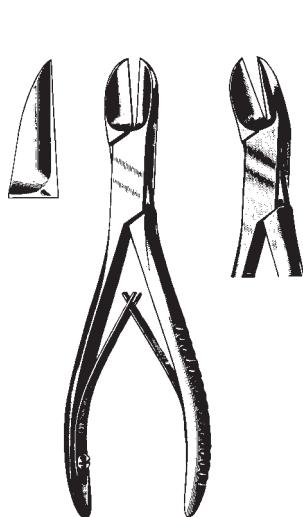


FRYKHOLM
33260-24
24 cm, 9 1/2"



SEMB
33261-22
22,5 cm, 8.9"

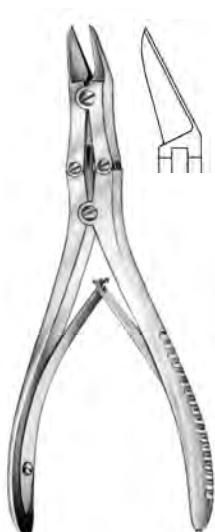
Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos
Cesoie per ossa



— LISTON —
33274-14 14 cm, 5 $\frac{1}{2}$ " 33275-14
33274-17 17 cm, 6 $\frac{3}{4}$ " 33275-17
33274-19 19 cm, 7 $\frac{1}{2}$ " 33275-19

— BÖHLER —
33280-15 33281-15
15 cm, 6"

— COTTE-KAZANJIAN —
33282-19
19 cm, 7 $\frac{1}{2}$ "



MC INDOE
33283-17
17 cm, 6 $\frac{3}{4}$ "



STAMM
33284-15
15 cm, 6"



RUSKIN-LISTON
33286-18 33289-18
18 cm, 7"

Knochensplitterzangen
Bone Cutting Forceps
Pinzas cortantes para huesos
Cesoie per ossa



— STILLE-LISTON —
33290-23 23 cm, 9" 33291-23
33290-27 27 cm, 10 1/2" 33291-27



STILLE-LISTON
33292-26
26 cm, 10 1/4"

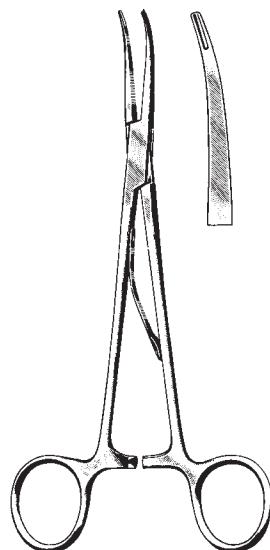


STILLE-HORSLEY
33293-27
27 cm, 10 1/2"

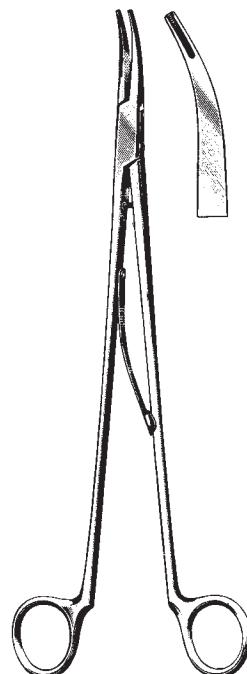


SEMB
33295-24
24 cm, 9 1/2"

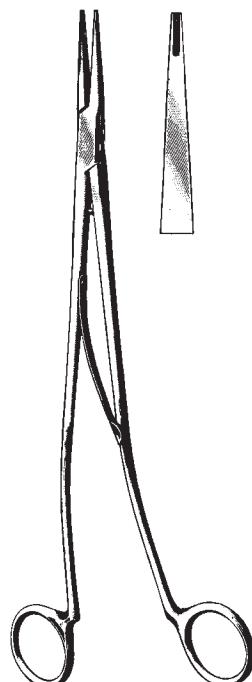
Anlegezangen, Klammerblock
 Applying Forceps, Clip Rack
 Pinzas aplicadoras, riel para grapas
 Pinza per applicare, porta-fermagli



McKENZIE
 41011-15 15 cm, 6"
 41011-19 19 cm, 7 1/2"



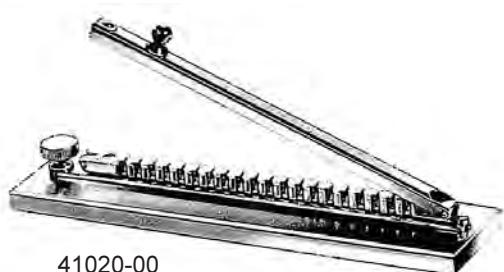
SMITHWICK
 41015-23 23 cm, 9"
 41015-26 26 cm, 10 1/4"



SWEET
 41017-23 23 cm, 9"
 41017-26 26 cm, 10 1/4"

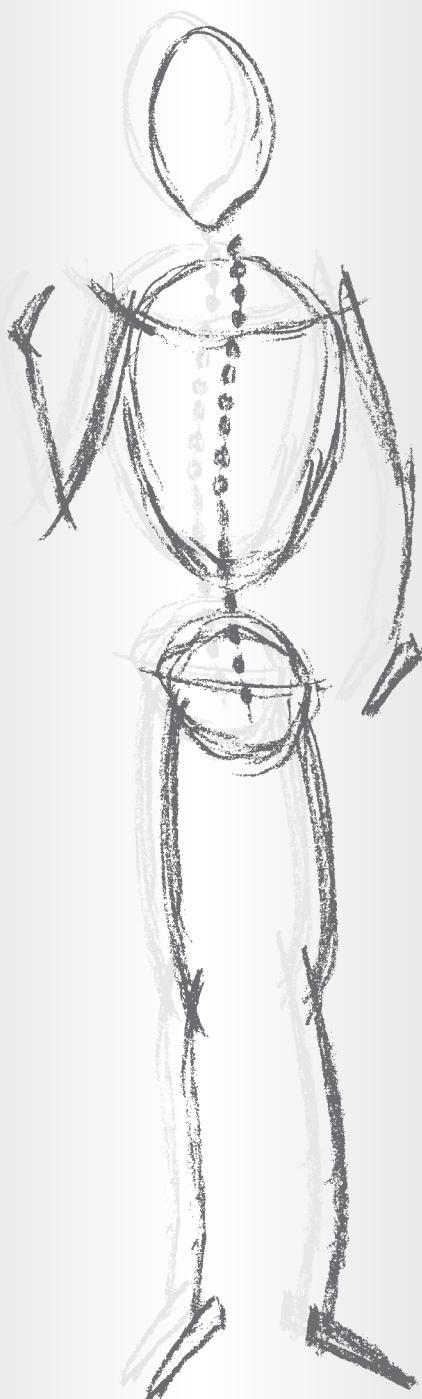


OLIVECRONA-TOENNIS
 41019-14



41020-00
 148 x 40 x 6 mm

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D-78532 Tuttlingen



**SCHÄDELHALTER
DRAHTSÄGEN
TREPHINEN**

**SKULL HOLDER
WIRE SAWS
TREPINE**

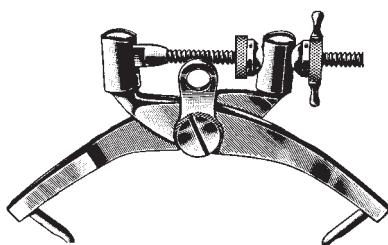
**CRÁNEO TITULAR
ALAMBRE DE SIERRAS
TREPANO**

**SKULL TITOLARE
SEGHE A FILO
TRAPANO**

REDA

www.Redainstrumente.de

Schädelhalter, Kopfhautklammer, Anlegezange
Cervical Traction Tongs, Clips, Applying Forceps
Pinzas de tracción craneal, Clips, pinza aplicadora para clips
Arco per trazione craniale, Pinza applicatrice



CRUTCHFIELD
41025-01



CRUTCHFIELD
41025-02



41026-35
3,5 mm Ø

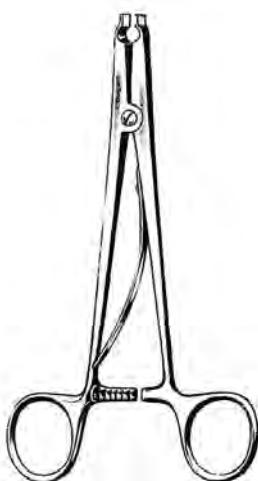


41026-50
5 mm Ø

Stainless steel
Acciaio inox
acero inoxidable

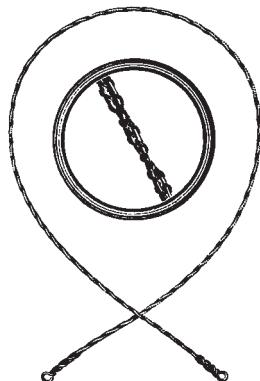


RANEY
41027-00



RANEY
41028-00 16 cm, 6 1/4"

Drahtsägen, Einführungsinstrument
Wire Saws, Guiding Instruments
Sierras de hilo de metal, Instrumentos para su introducción
Seghe di filo d'acciaio, Strumenti introduttori



| OLIVECRONA | cm |
|------------|-------------|
| 41092-30 | 30, 11 3/4" |
| 41092-40 | 40, 15 3/4" |
| 41092-50 | 50, 19 3/4" |
| 41092-60 | 60, 23 3/4" |
| 41092-70 | 70, 27 1/2" |



GIGLI STRULLY
41093-00

DeMARTEL
41090-33
33 cm, 13"

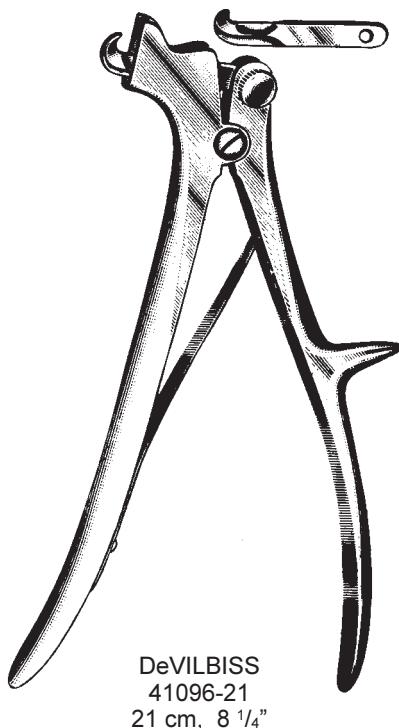


GIGLI
41094-00



REDA
41095-00

Schädelzange
Skull Punches
Pinzas sacabocado craneal
Pinza per craniotomia



Schädelstanze
Cranial Punch
Pinzas sacabocado craneal
Pinza per craniotomia



CONE
41097-22
22,5 cm 9"

Bohrloch-Schutzzange
Bore hole protection Forceps
Pinzas para la protección de orificio
Pinze per la protezione del foro



41098-20
20,5 cm 8"

Schädeltrephine
Skull Trephine
Trépanos craneales
Trapano cranico



Schädeltrephine mit verstellbarem Dorn
und abnehmbarem Quergriff

Skull trephines with adjustable centering point
and detachable cross-bar handle

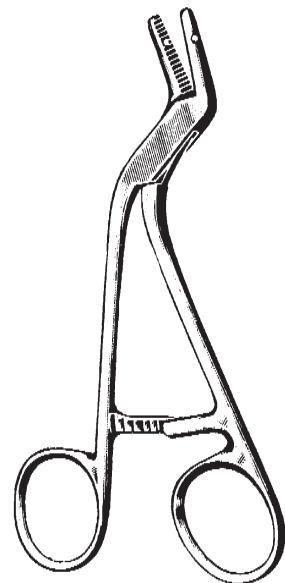
Trépano craneal con guia-central ajustable
y mango transversal desmontable

Trapano cranico con punta regolabile
e manico trasversale smontabile

GALT
34816-13 Ø 13 mm
34816-16 Ø 16 mm
34816-19 Ø 19 mm

Bohrlochzange

Drill Guide and Dura Protecting Forceps
Pinza guía taladros y protectora de duramadre
Pinze guida-perforatore e proteggi dura-madre



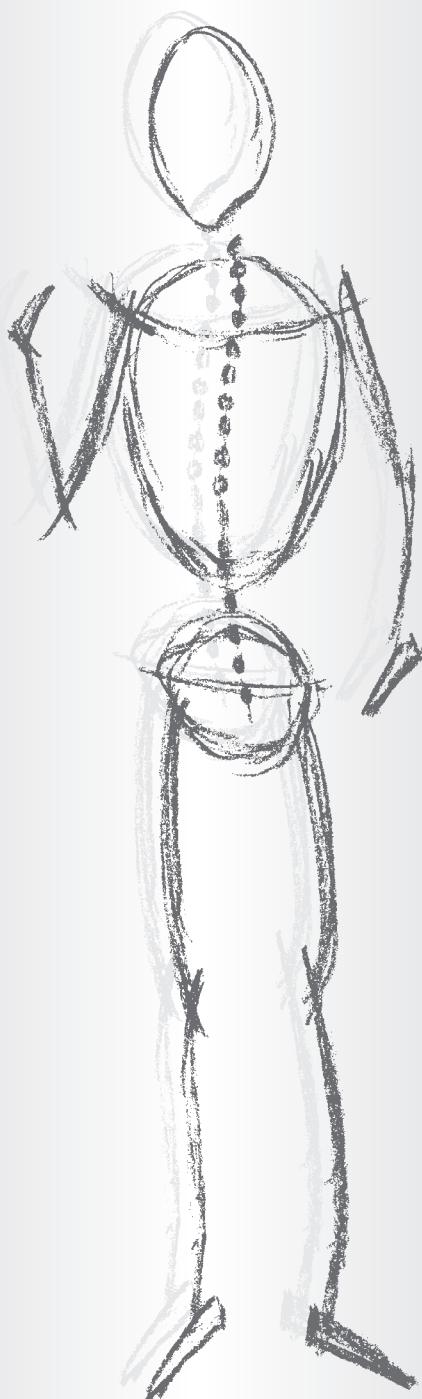
ADSON
34231-15
15 cm, 6"

Trephine
Trephine
Trepano
Punta trapano



- | | |
|---|-------------------|
|  | 34815-03 Ø 3/5 mm |
|  | 34815-04 Ø 4/5 mm |
|  | 34815-06 Ø 6/8 mm |

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LÖFFEL, MEISSEL

CURETTES, CHISELS

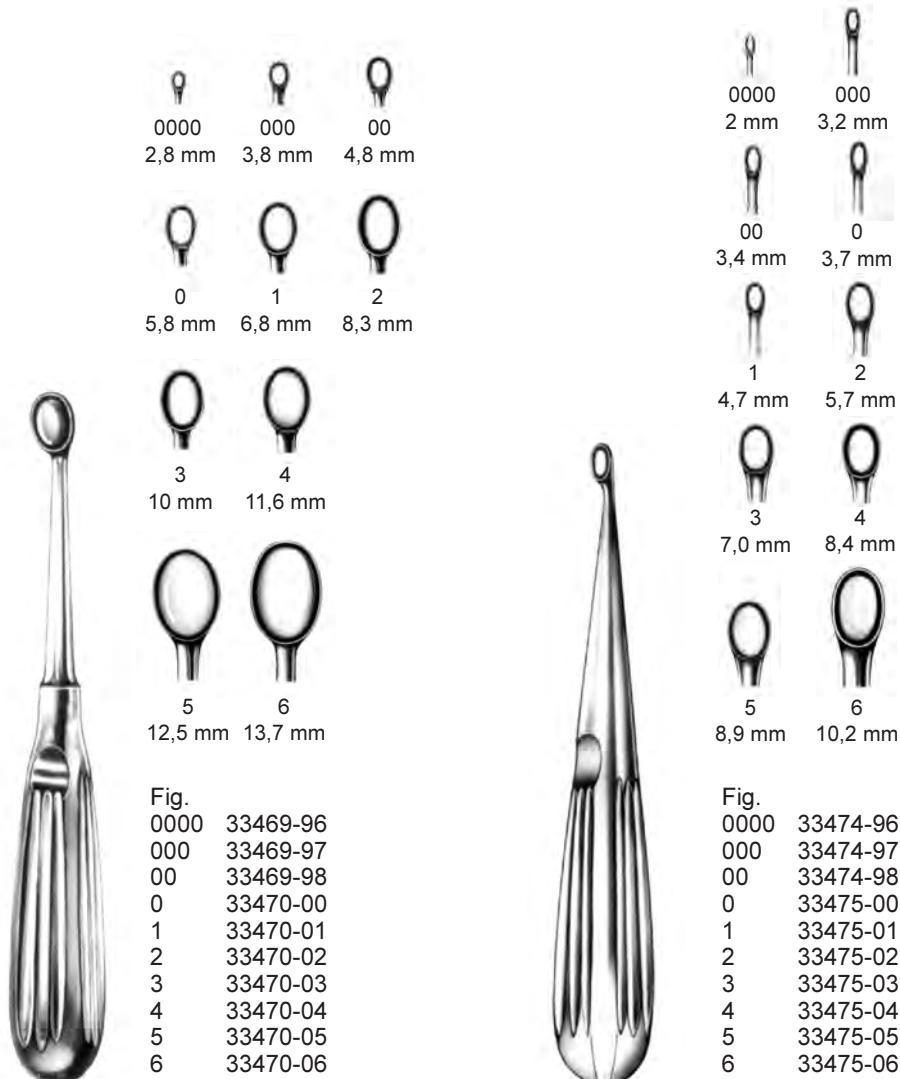
CUCHARILLAS, CINCELES

CUCCHIAI, SCALPELLI

REDA

www.Redainstrumente.de

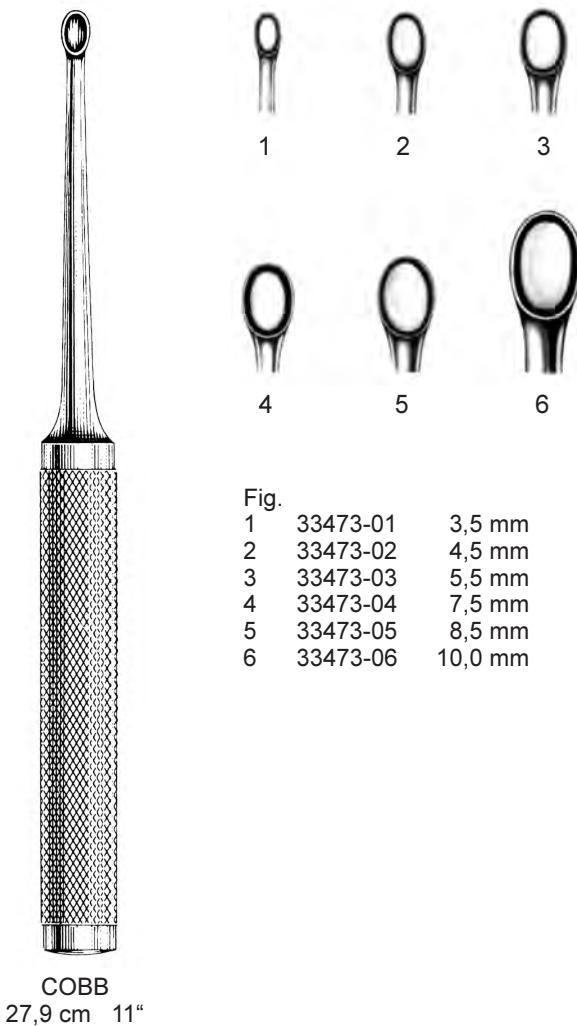
Scharfe Löffel
 Bone Curettes
 Cucharillas cortantes
 Curette taglienti



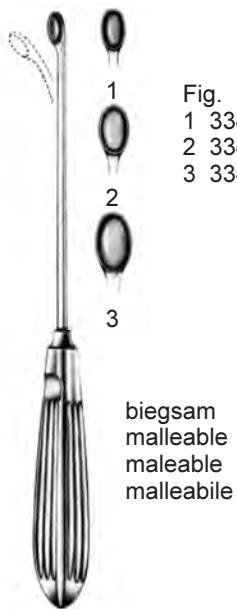
VOLKMANN
 17 cm, 6 3/4"

SPRATT
 17 cm, 6 3/4"

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curette taglienti



Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curette taglienti



HALLE
21 cm, 8 1/4"

Fig.
1 33476-01 4,8 mm
2 33476-02 5,8 mm
3 33476-03 6,8 mm

biegsam
malleable
maleable
maleabile



SPINAL
20 cm, 8"

Fig.
000 33476-98 2,8 mm
00 33476-99 3,3 mm
0 33477-00 3,7 mm
1 33477-01 4,3 mm
2 33477-02 4,8 mm
3 33477-03 5,6 mm
4 33477-04 6,1 mm
5 33477-05 6,7 mm
6 33477-06 8,8 mm

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curette taglienti

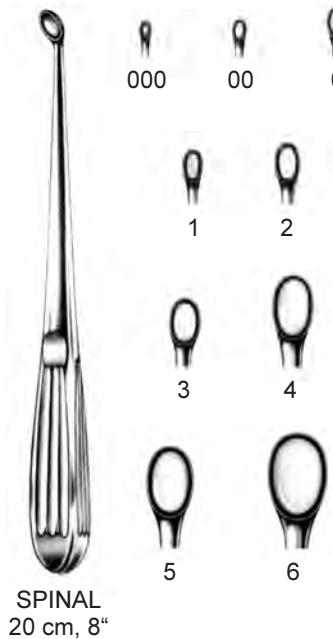
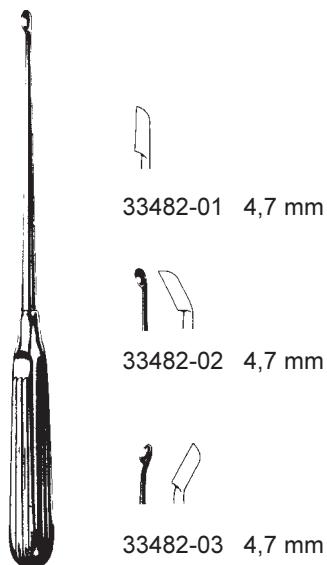


Fig.

| | | |
|-----|----------|--------|
| 000 | 33478-98 | 2,8 mm |
| 00 | 33478-99 | 3,3 mm |
| 0 | 33479-00 | 3,7 mm |
| 1 | 33479-01 | 4,3 mm |
| 2 | 33479-02 | 4,8 mm |
| 3 | 33479-03 | 5,6 mm |
| 4 | 33479-04 | 6,1 mm |
| 5 | 33479-05 | 6,7 mm |
| 6 | 33479-06 | 8,8 mm |



SCOVILLE
25 cm, 10"

Scharfe Löffel
 Bone Curettes
 Cucharillas cortantes
 Curette taglienti

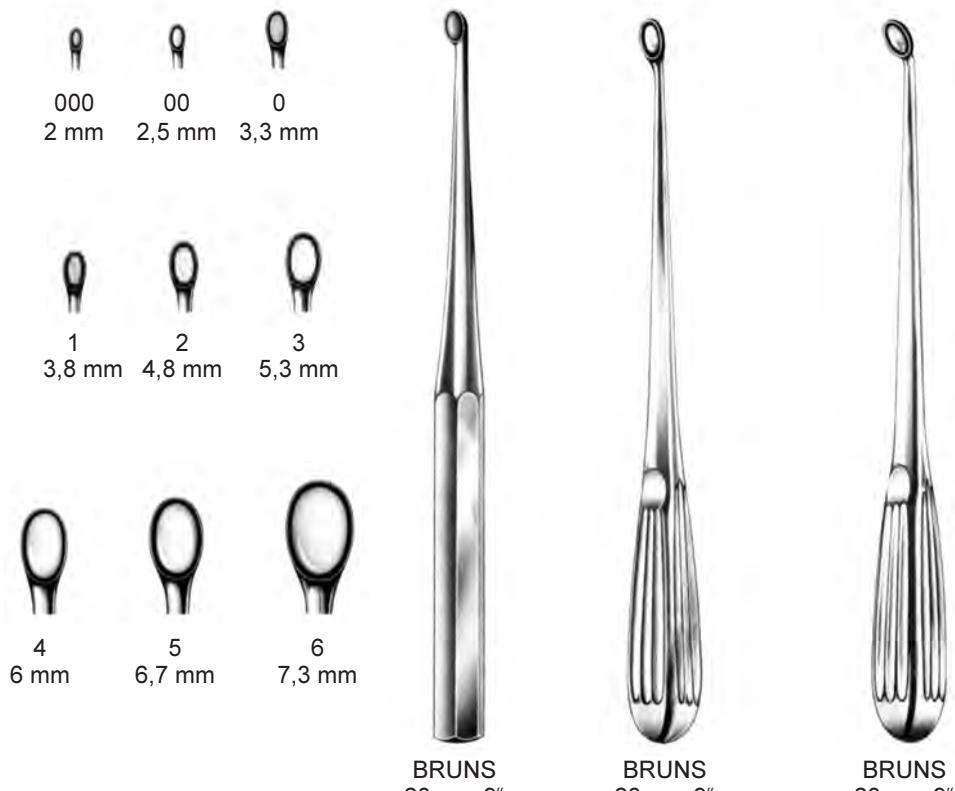
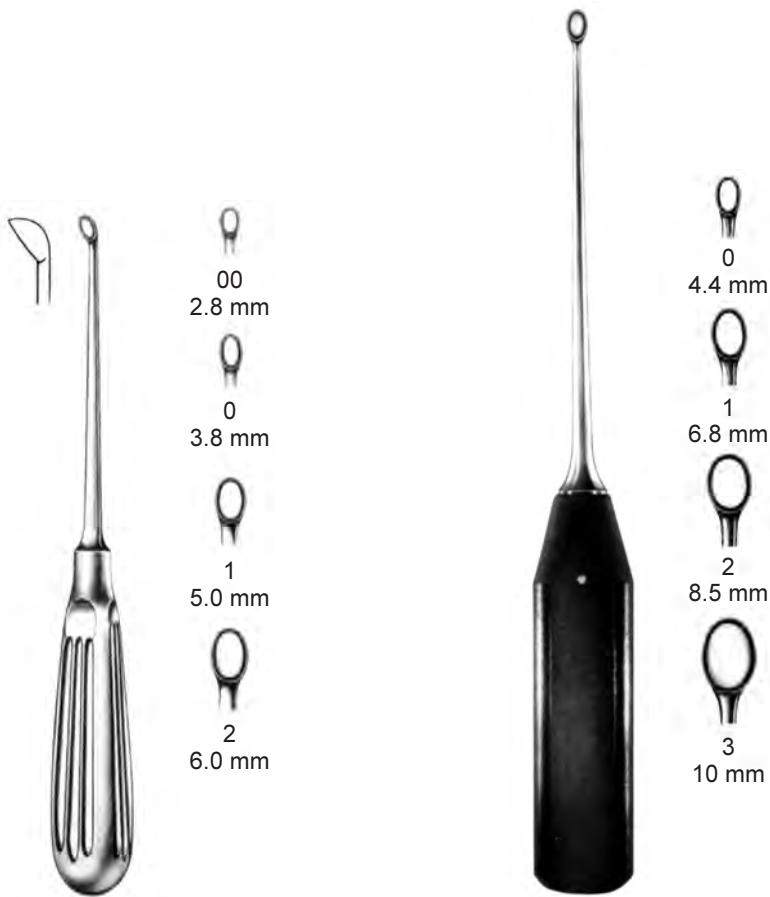


Fig.

| | | | | | |
|-----|----------|----------|--------|----------|--------|
| 000 | 33480-97 | 33482-97 | 2,8 mm | 33484-97 | 2,8 mm |
| 00 | 33480-98 | 33482-98 | 3,3 mm | 33484-98 | 3,3 mm |
| 0 | 33481-00 | 33483-00 | 3,7 mm | 33485-00 | 3,7 mm |
| 1 | 33481-01 | 33483-01 | 4,3 mm | 33485-01 | 4,3 mm |
| 2 | 33481-02 | 33483-02 | 4,8 mm | 33485-02 | 4,8 mm |
| 3 | 33481-03 | 33483-03 | 5,6 mm | 33485-03 | 5,6 mm |
| 4 | 33481-04 | 33483-04 | 6,1 mm | 33485-04 | 6,1 mm |
| 5 | 33481-05 | 33483-05 | 6,7 mm | 33485-05 | 6,7 mm |
| 6 | 33481-06 | 33483-06 | 8,8 mm | 33485-06 | 8,8 mm |

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curette taglienti



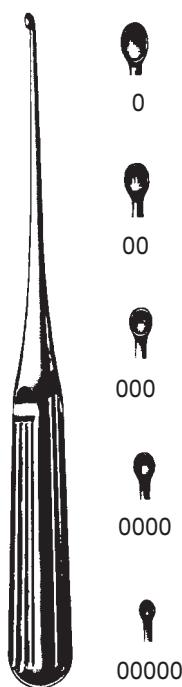
DAUBENSPECK
20 cm, 8"

Fig. 00 33487-99
0 33488-00
1 33488-01
2 33488-02

27 cm, 10 1/2"

Fig. 0 33489-00
1 33489-01
2 33489-02
3 33489-03

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curette taglienti



LEMPERT
17,5 cm, 7"

| | | |
|--------|----------|--------|
| Fig. 0 | 33490-10 | 3,3 mm |
| 00 | 33490-20 | 3,0 mm |
| 000 | 33490-30 | 2,7 mm |
| 0000 | 33490-40 | 2,4 mm |
| 00000 | 33490-50 | 2,0 mm |



REDA
25 cm, 10"

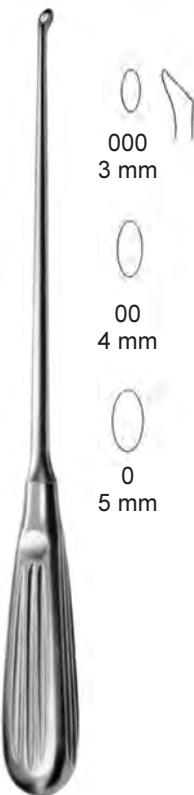
| | |
|----------|----------|
| Fig. 000 | 33491-01 |
| 00 | 33491-02 |
| 0 | 33491-03 |
| 1 | 33491-04 |

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curette taglienti



REDA
25 cm, 10"

Fig. 000 33491-05
00 33491-06
0 33491-07
1 33491-08



BUSHE
25 cm, 10"

Fig. 000 33500-01
00 33500-02
0 33500-03

Scharfe Löffel
Bone Curettes
Cucharillas cortantes
Curette taglienti



33492-13 6.8 mm
33492-16 9.0 mm
33492-20 11.1 mm

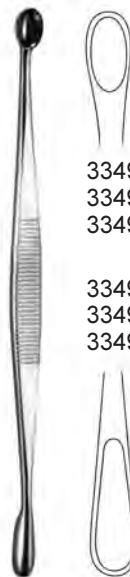


33492-13 6.3 mm
33492-16 7.0 mm
33492-20 9.1 mm



VOLKMANN

33492-13 13 cm, 5 1/8"
33492-16 16 cm, 6 1/4"
33492-20 20 cm, 8"



33494-13 6.4 mm
33494-14 6.6 mm
33494-17 6.8 mm

33494-13 6.3 mm
33494-14 6.9 mm
33494-17 7.3 mm



VOLKMANN
33494-13 13 cm, 5 1/8"
33494-14 14 cm, 5 1/2"
33494-17 17 cm, 6 3/4"



JANSEN
33495-16
16 cm, 6 1/4"

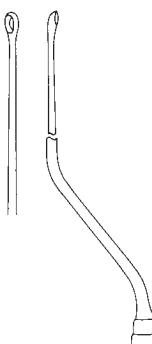
Mikro-Löffel
Micro Scoops
Micro-cucharillas
Micro curette



93430-01 230 mm / 9"
scharf
sharp
cortante
tagliente



93430-02 230 mm / 9"
scharf
sharp
cortante
tagliente



93430-03 185 mm / 7 1/4" YASARGIL
scharf
sharp
cortante
tagliente

Knochenspanhalter und Einsetzinstrument
Bone graft holder and impactor
Injerto óseo titular y impactador
Sostegno osseo e impattatore



CASPAR
33508-22
220 mm, 8 3/4"

Stößel
Hemostats
Hemostáticos
Pistoni



CASPAR
200 mm, 8"

- 33509-03 Ø 3 mm
- 33509-05 Ø 5 mm
- 33509-08 Ø 8 mm



200 mm, 8"

- 33510-12 Ø 12 mm
- 33510-14 Ø 14 mm
- 33510-16 Ø 16 mm

Flachmeißel, Osteotome, Hohlmeißel
 Chisels, Osteotomes, Gouges
 Cinceles, Osteotomos, Gubias
 Scalpelli, Osteotomi, sgorbie



STILLE
20 cm, 8"



STILLE
20 cm, 8"

| | | |
|-------|----------|----------|
| 6 mm | 33630-06 | |
| 8 mm | 33630-08 | |
| 10 mm | 33630-10 | 33631-10 |
| 12 mm | 33630-12 | 33631-12 |
| 15 mm | 33630-15 | 33631-15 |
| 20 mm | 33630-20 | 33631-20 |
| 25 mm | 33630-25 | 33631-25 |
| 30 mm | 33630-30 | 33631-30 |



STILLE
20 cm, 8"



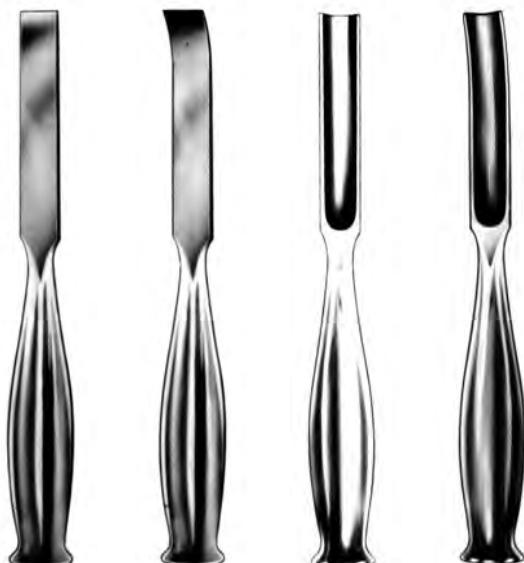
STILLE
20 cm, 8"



STILLE
20 cm, 8"

| | | | |
|-------|----------|----------|----------|
| 6 mm | 33632-06 | 33633-06 | 33634-06 |
| 8 mm | 33632-08 | 33633-08 | 33634-08 |
| 10 mm | 33632-10 | 33633-10 | 33634-10 |
| 12 mm | 33632-12 | 33633-12 | 33634-12 |
| 15 mm | 33632-15 | 33633-15 | 33634-15 |
| 20 mm | 33632-20 | 33633-20 | 33634-20 |
| 25 mm | 33632-25 | 33633-25 | 33634-25 |
| 30 mm | 33632-30 | 33633-30 | 33634-30 |

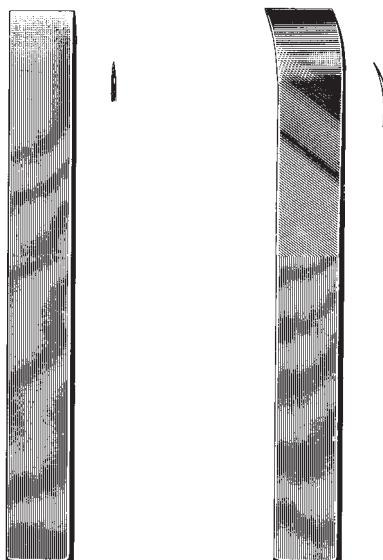
Osteotome, Hohlmeißel
Osteotomes, Gouges
Osteotomas, Gubias
Osteotomi, sgorbie



SMITH-PETERSEN
20 cm, 8"

| | | | | |
|-------|----------|----------|----------|----------|
| 6 mm | 33644-06 | 33645-06 | 33647-06 | |
| 9 mm | 33644-09 | 33645-09 | 33647-09 | 33649-09 |
| 13 mm | 33644-13 | 33645-13 | | |
| 14 mm | | | 33647-14 | 33649-14 |
| 16 mm | 33644-16 | 33645-16 | 33647-16 | 33649-16 |
| 19 mm | 33644-19 | 33645-19 | 33647-19 | 33649-19 |
| 25 mm | 33644-25 | 33645-25 | 33647-25 | 33649-25 |
| 32 mm | 33644-32 | 33645-32 | 33647-32 | 33649-32 |

Osteotome
Osteotomes
Osteotomos
Osteotomi

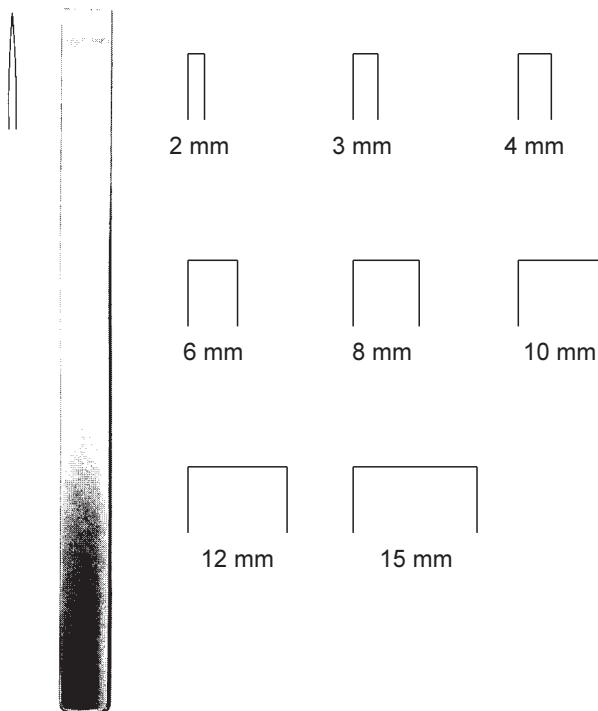
**LAMBOTTE**

24 cm, 9 1/2"

23 cm, 9"

| | | |
|----------|-------|----------|
| 33650-04 | 4 mm | 33651-04 |
| 33650-06 | 6 mm | 33651-06 |
| 33650-08 | 8 mm | 33651-08 |
| 33650-10 | 10 mm | 33651-10 |
| 33650-13 | 13 mm | 33651-13 |
| 33650-16 | 16 mm | 33651-16 |
| 33650-18 | 18 mm | 33651-18 |
| 33650-20 | 20 mm | 33651-20 |
| 33650-25 | 25 mm | 33651-25 |
| 33650-30 | 30 mm | 33651-30 |
| 33650-38 | 38 mm | 33651-38 |
| 33650-44 | 44 mm | 33651-44 |
| 33650-50 | 50 mm | 33651-50 |

Osteotome
Osteotomes
Osteotomos
Mini Osteotomi



MINI-LAMBOTTE

12,5 cm, 5" 17 cm, 6 3/4"

| | | |
|----------|-------|----------|
| 33654-02 | 2 mm | 33652-02 |
| 33654-03 | 3 mm | 33652-03 |
| 33654-04 | 4 mm | 33652-04 |
| 33654-06 | 6 mm | 33652-06 |
| 33654-08 | 8 mm | 33652-08 |
| 33654-10 | 10 mm | 33652-10 |
| 33654-12 | 12 mm | 33652-12 |
| 33654-15 | 15 mm | 33652-15 |

Hohlmeißel mit Ferrozellgriff
Gouges with Ferrozell-Handle
Gubias con mango de Ferrozell
Sgorbie con manico di Ferrozell

8 mm



8 mm



8 mm



8 mm



COBB
28 cm, 11"
33656-28

COBB
28 cm, 11"
33657-28

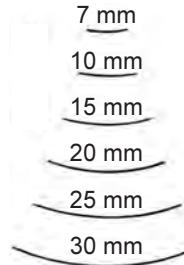
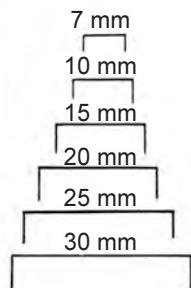
COBB
28 cm, 11"
33658-28

COBB
28 cm, 11"
33659-28

Osteotome, Hohlmeißel mit Ferrozell-Griff
 Osteotomes, Gouges with Ferrozell-Handle
 Osteotomos, Gubias con mango de Ferrozell
 Sgorbie, Osteotomo, con manico di Ferrozell



LEXER
22 cm, 8 3/4"

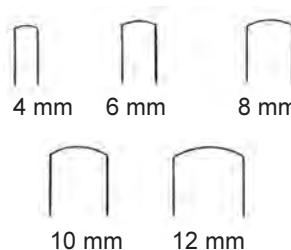
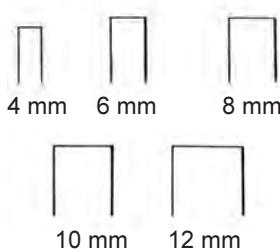


LEXER
22 cm, 8 3/4"

| | | |
|----------|-------|----------|
| 33660-07 | 7 mm | 33661-07 |
| 33660-10 | 10 mm | 33661-10 |
| 33660-15 | 15 mm | 33661-15 |
| 33660-20 | 20 mm | 33661-20 |
| 33660-25 | 25 mm | 33661-25 |
| 33660-30 | 30 mm | 33661-30 |



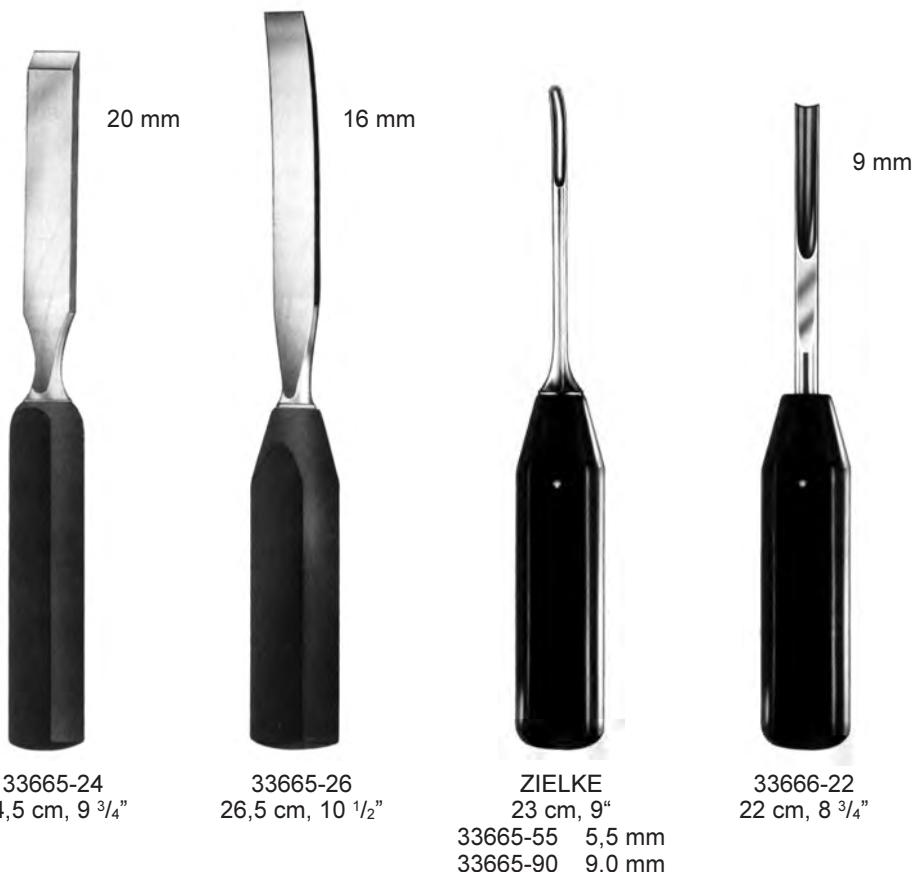
LEXER MINI
18 cm, 7"



LEXER MINI
18 cm, 7"

| | | |
|----------|-------|----------|
| 33664-04 | 4 mm | 33665-04 |
| 33664-06 | 6 mm | 33665-06 |
| 33664-08 | 8 mm | 33665-08 |
| 33664-10 | 10 mm | 33665-10 |
| 33664-12 | 12 mm | 33665-12 |

Flachmeißel, Hohlmeißel
Chisels, Gouges
Cinceles, Gubias
Scalpelli, sgorbie



Meißel
Gouges
Gubias
Sgorbie

Wirbelsäulenmeißel
Lamina gouge
Gubias para la columna vertebral
Sgorbie per la colonna vertebrale



23,5 cm, 9 1/4"

33667-06 6 mm
33667-08 8 mm
33667-11 11 mm
33667-16 16 mm

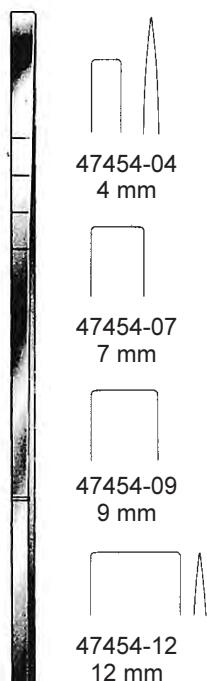
Hohlmeißel mit NOVOTEX-Griff
Gouges with NOVOTEX-Handle
Gubias con mango de NOVOTEX
Sgorbie con manico di NOVOTEX



— 25 cm, 10"

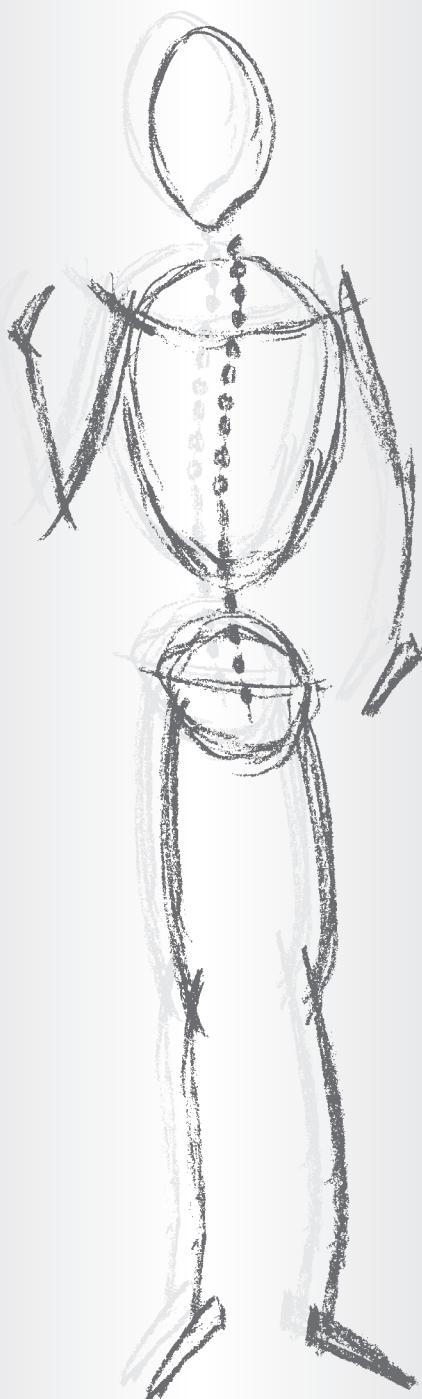
33669-05 5 mm 33670-05
33669-10 10 mm 33670-10
33669-15 15 mm 33670-15

Septum Osteotom
Rhinoplastic Osteotome
Osteotomos para la plástica nasal
Osteotomo per plastica nasale



COTTLER
18 cm, 7"

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



**ELEVATORIEN
RASPATORIEN
DISSEKTOREN**

**ELEVATORS
RASPATORIES
DISSECTORS**

**ELEVADORES
PERIOSTÓTOMOS
DISECTORES**

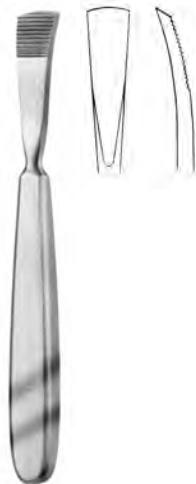
**ELEVATORI
PERIOTOTOMI
DISSETTORI**

REDA

www.Redainstrumente.de

Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Dissectores
Elevatori, Periostotomi, Dissettori

15 mm



JANSEN
33701-16
16,5 cm, 6 1/2"

12,5 mm



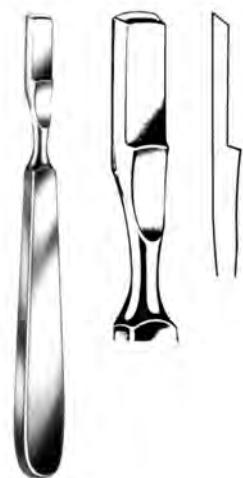
FARABEUF
33702-15
15 cm, 5.9"

12,5 mm



FARABEUF
33703-15
15 cm, 5.9"

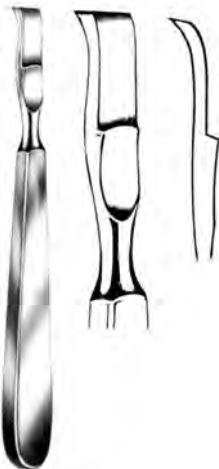
11 mm



FARABEUF-COLLIN
33704-01
15,5 cm, 6"

Elevatorien, Raspatorien, Dissektoren
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Elevadores, Periostótomas, Dissectores
Elevatori, Periostotomi, Dissettori

11 mm



FARABEUF-COLLIN
33704-02
15,5 cm, 6"

18 mm



SEDILOT
33706-18
18 cm, 7"



LAMBOTTE
21 cm, 8 1/4"
33705-05 5 mm
33705-10 10 mm
33705-15 15 mm
33705-20 20 mm
33705-25 25 mm

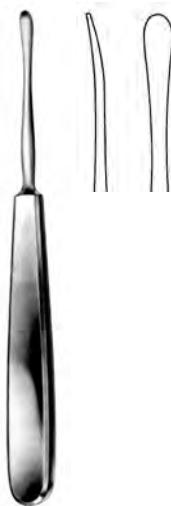
6 mm



CUSHING
(LITTLE-JOKER)
33707-15
15 cm, 5.9"

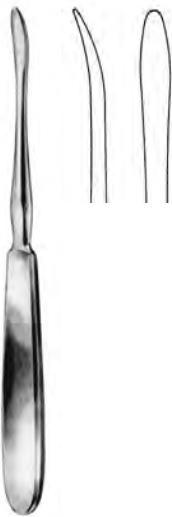
Elevatorien, Raspatorien, Dissektoren
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Elevadores, Periostótomas, Dissectores
Elevatori, Periostotomi, Dissettori

5 mm



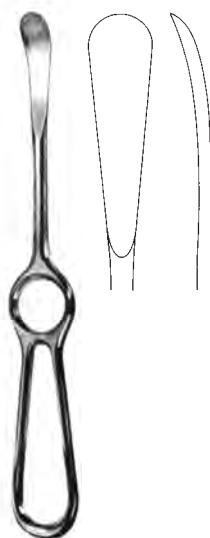
SEBILLEAU
33707-17
17,5 cm, 7"

6 mm



QUERVAIN
33708-19
19,5 cm, 7 3/4"

15 mm



SEDILLOT
33709-21
21 cm, 8 1/4"

33710-01
15 mm

33710-02
16 mm



CUSHING
18 cm, 7"

Elevatorien, Raspatorien, Dissektoren
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Elevadores, Periostótomas, Disectores
Elevatori, Periostotomi, Dissettori

halbscharf
semi-sharp
semi agudo
semiacuto



HOEN
18 cm, 7"



33710-07



33710-15



33710-20

7 mm

16 mm

LANGENBECK
33710-19
19 cm, 7 1/2"

14 mm



LANGENBECK
33711-18
18 cm, 7"



LANGENBECK
33711-20 8 mm
33711-21 10 mm

Elevatorien, Raspatorien, Dissektoren
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Elevadores, Periostótomas, Dissectores
Elevatori, Periostotomi, Dissettori

4 mm



WILLIGER
33711-16
16 cm, 6 1/4"

6,5 mm



WILLIGER
33712-16
16 cm, 6 1/4"

5 mm



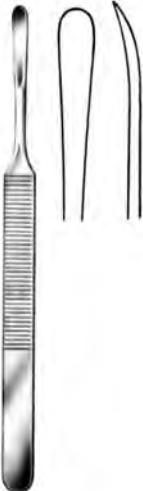
WILLIGER
33713-16
16 cm, 6 1/4"

5,5 mm



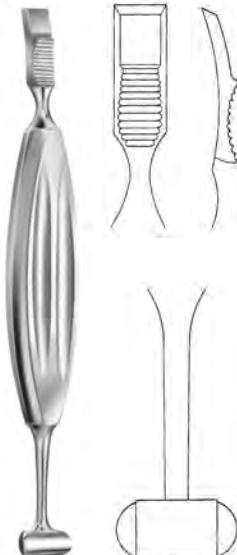
WILLIGER
33713-17
17 cm, 6 3/4"

5 mm



KÖNIG
33714-15
15,5 cm, 6"

12 mm

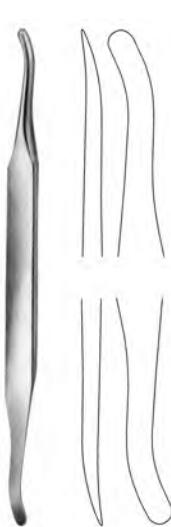


ALEXANDER
33715-20
21 cm, 8 1/4"

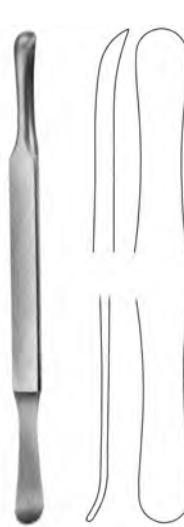


MOLT
33716-18
18 cm, 7"

Elevatorien, Raspatorien, Dissektoren
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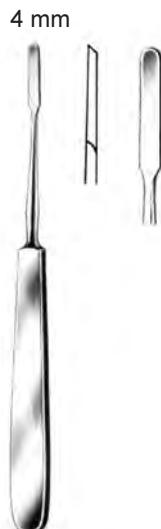
SELDIN
33717-19-01
19,5 cm, 7 3/4"



SELDIN
33717-19-02
19,5 cm, 7 3/4"



JOSEPH
33718-16
16 cm, 6 1/4"



FOMON
33719-17
17 cm, 6 3/4"



BOIES
33720-19
19 cm, 7 1/2"



GORNEY
33720-21
21 cm, 8 1/4"

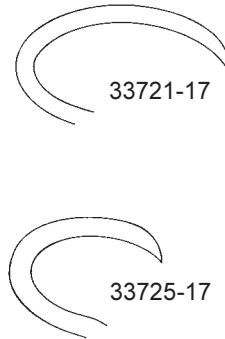
Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Dissectores
Elevatori, Periostotomi, Dissettori



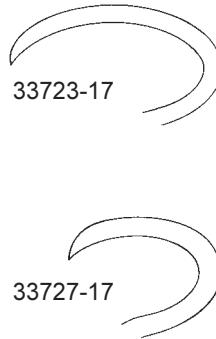
33721-17



33723-17



33725-17



33727-17

DOYEN
17 cm, 6 3/4"

DOYEN
17 cm, 6 3/4"

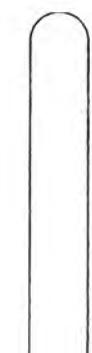
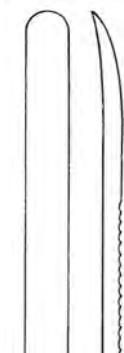
Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Disectores
Elevatori, Periostotomi, Dissettori



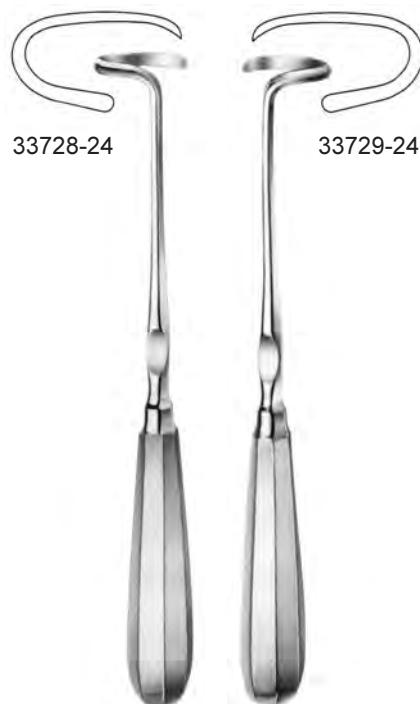
33722-06
6 mm

Hohlheft
hollow handle
mango hueco
manico vuoto

17 cm, 6 3/4"

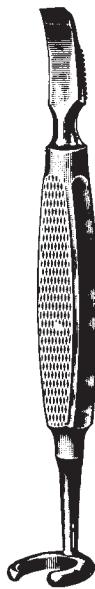


33722-08
8 mm



DOYEN
24 cm, 9 1/2"

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MATSON-ALEXANDER
33731-22
22 cm, 8 3/4"



MATSON
33733-22
22 cm, 8 3/4"

Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Disectores
Elevatori, Periostotomi, Dissettori



33740-19
19 cm, 7 1/2"



33741-18
18,5 cm, 7 1/4"

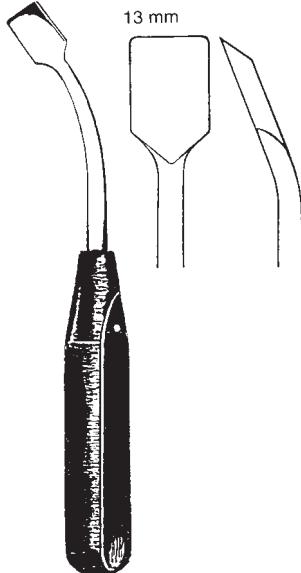


33742-18
18,5 cm, 7 1/4"

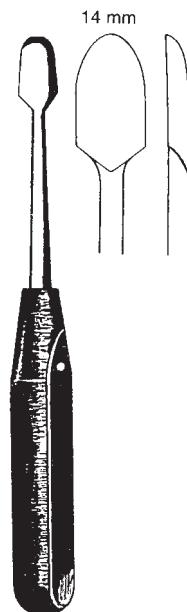


33743-18
18,5 cm, 7 1/4"

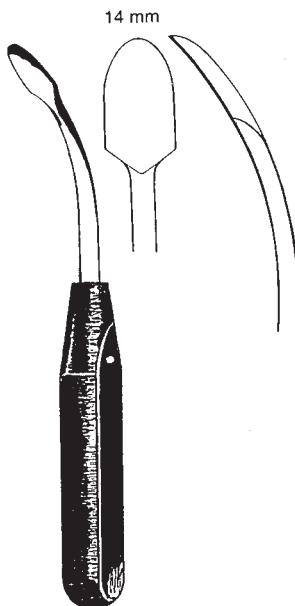
Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Disectores
Elevatori, Periostotomi, Dissettori



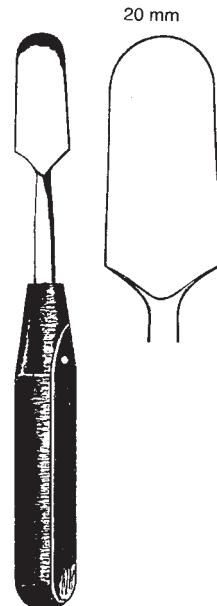
33745-19
18,5 cm, 7 1/4"



33746-19
19,5 cm, 7 3/4"



33747-18
18,5 cm, 7 1/4"



33748-20
20 cm, 8"

Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Disectores
Elevatori, Periostotomi, Dissettori



COBB
28 cm, 11"



33749-10
10 mm

33749-13
13 mm

33749-19
19 mm

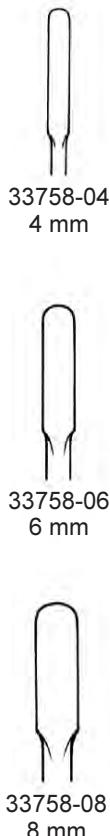


WAGNER
33 cm, 13"

mit NOVOTEX-Kunststoffgriff
with NOVOTEX plastic handle
con mango de materia plástica NOVOTEX
con manico di materia plastica NOVOTEX



COBB
27 cm, 10 1/2"



33758-04
4 mm

33758-06
6 mm

33758-08
8 mm

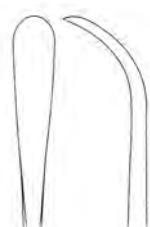
Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Dissectores
Elevatori, Periostotomi, Dissettori



33754-17



33755-17



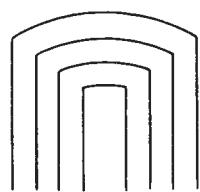
33756-17

33757-17

ADSON
17 cm, 6 $\frac{3}{4}$ "

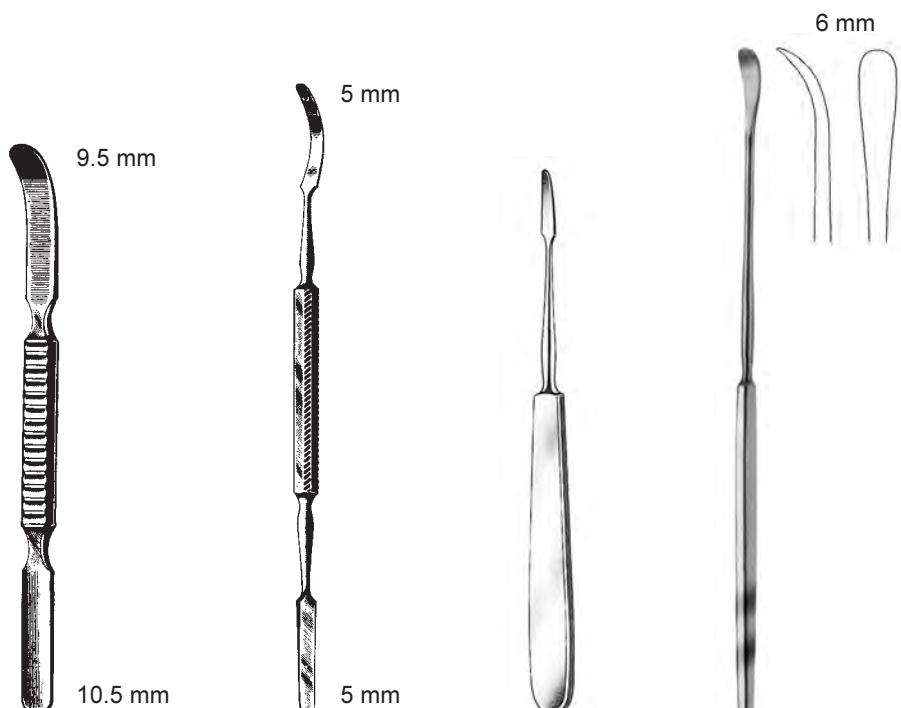


KEY
33759-06 - 33759-25
19 cm, 7 $\frac{1}{2}$ "



33759-06 6 mm
33759-12 12 mm
33759-19 19 mm
33759-25 25 mm

Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Disectores
Elevatori, Periostotomi, Dissettori



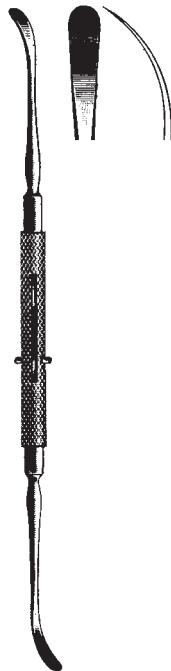
WATSON-CHEYNE
33765-17
17,5 cm, 7"

MC DONALD
33767-19
19 cm, 7 1/2"

JOSEPH
47411-16
16 cm, 6 1/4"

SEWALL
47412-20
20 cm, 8"

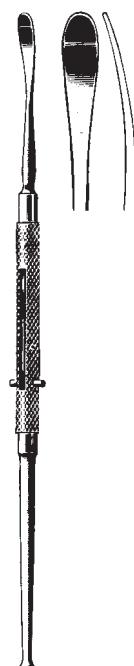
Elevatorien, Raspatorien, Dissektoren
Elevators, Raspatories, Dissectors
Elevadores, Periostótomas, Disectores
Elevatori, Periostotomi, Dissettori



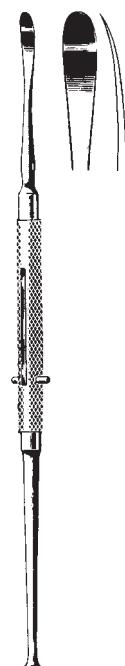
ROGER
47413-19
19 cm, 7 1/2"



FREER
47415-18
18 cm, 7"

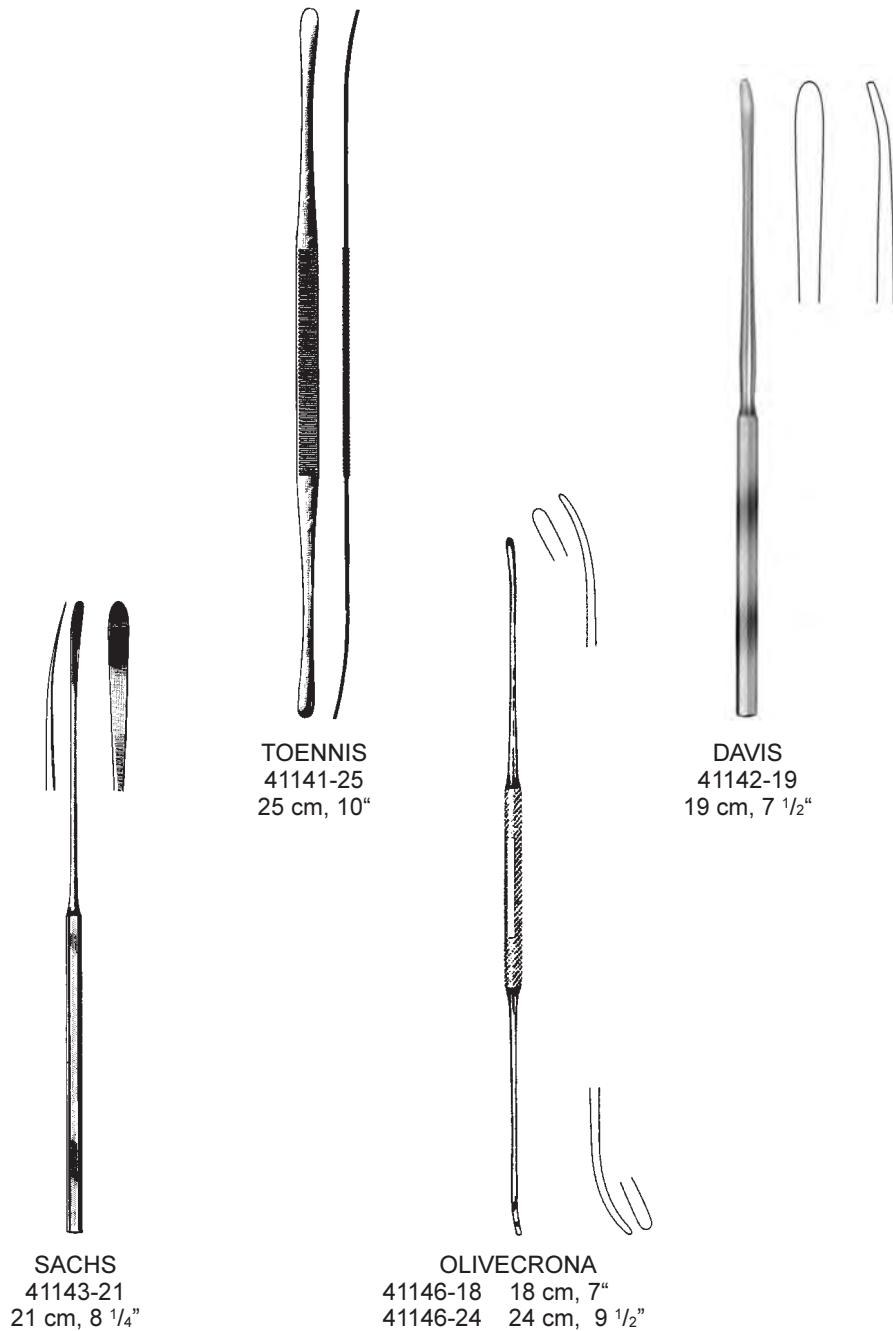


FREER
47417-19
19 cm, 7 1/2"

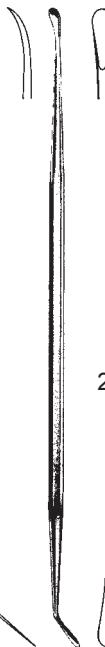


FREER
47419-19
19 cm, 7 1/2"

Dura Dissektoren
Dura Dissectors
Dissectores para duramadre
Dissettori per dura-madre



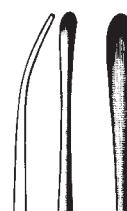
Dura Dissektoren
Dura Dissectors
Dissectores para duramadre
Dissettori per dura-madre



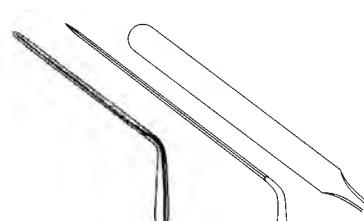
MILLIGAN
41147-21
21 cm, 8 1/4"



41149-22
22 cm, 8 3/4"



DAVIS
41151-24
24 cm, 9 1/2"



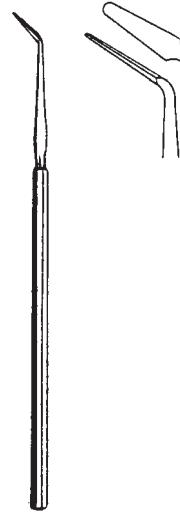
HORSLEY
41155-20
20 cm, 8"



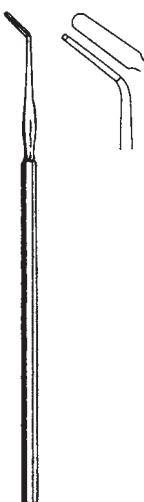
Dura Dissektoren
Dura Dissectors
Dissectores para duramadre
Dissettori per dura-madre



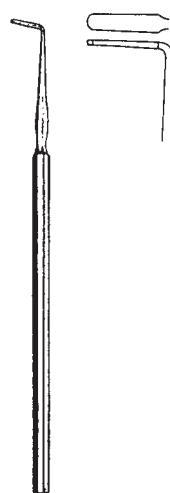
WOODSON
41156-18
18 cm, 7"



FRAZIER
41158-01
15 cm, 6"



HOEN
41158-02
15 cm, 6"



HOEN
41158-03
15 cm, 6"

Dissektoren, doppelendig
Dissectors, double ended
Disectores, de doble extremo
Dissettori, doppio



Fig. 1



Fig. 2

PENFIELD
41161-01
175 mm, 7"

PENFIELD
41161-02
195 mm, 7 3/4"



Fig. 3

PENFIELD
41161-03
195 mm, 7 3/4"



Fig. 4

PENFIELD
41161-04
205 mm, 8"

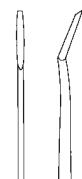


Fig. 5

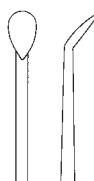
PENFIELD
41161-05
290 mm, 11 1/2"



Mikro-Raspatorien
Micro-Raspatories
Legras para micro-cirugía
Micro periostotomi



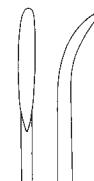
93410-01 185 mm / 7 1/4" YASARGIL



93410-02 185 mm / 7 1/4" YASARGIL



93410-03 185 mm / 7 1/4" YASARGIL



93410-05 185 mm / 7 1/4" YASARGIL

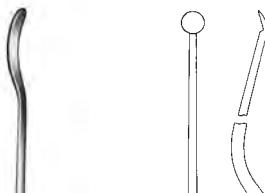


93410-06 230 mm / 9"
plattenförmig
round blade
redondo
rotondo piatto

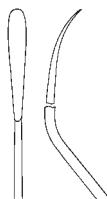


93410-07 230 mm / 9"
plattenförmig
round blade
redondo
rotondo piatto

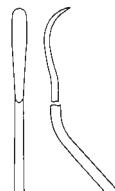
Mikro-Raspatorien
Micro-Raspatories
Legras para micro-cirugía
Micro periostotomi



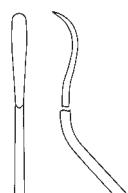
93420-01 230 mm / 9"



93420-02 185 mm / 7 1/4" YASARGIL



93420-03 185 mm / 7 1/4" YASARGIL



93420-04 185 mm / 7 1/4" YASARGIL

Mikro-Dissektoren
Micro Dissectors
Micro dissectores
Micro scollatori



4,5 mm



CASPAR
93480-23
230 mm / 9"

1,0 mm



CASPAR
93481-20
200 mm / 8"

1,4 mm



93482-23
230 mm / 9"

2,0 mm



93483-23
230 mm / 9"

1,8 mm



93484-23
230 mm / 9"

3,0 mm



93485-18
185 mm / 7 1/4"

3,0 mm



93486-21
215 mm / 8 1/2"

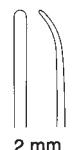


YASARGIL
93487-18
185 mm / 7 1/4"

Mikro-Dissektoren
Micro Dissectors
Micro dissectores
Micro scollatori



93490-01 230 mm / 9" CASPAR



93490-02 230 mm / 9" CASPAR



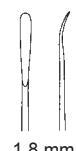
93490-03 210 mm / 8 1/4" CASPAR



93490-04 210 mm / 8 1/4" CASPAR

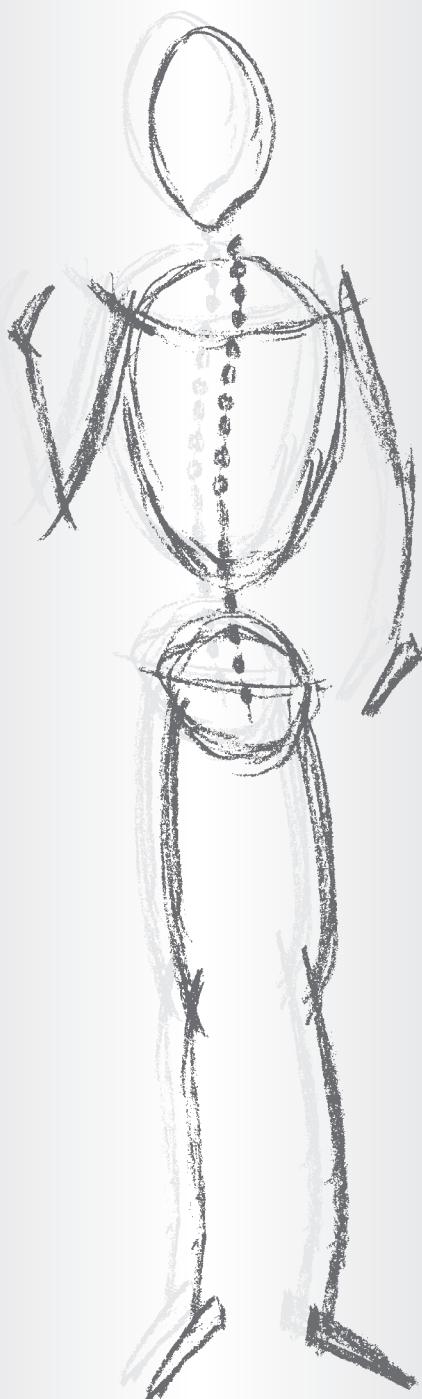


93490-05 230 mm / 9"



93490-06 230 mm / 9"

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



SAUGROHRE

SUCTION TUBES

TUBOS DE ASPIRACIÓN

TUBI D'ASPIRAZIONE

REDA

www.Redainstrumente.de

Saugrohre
Suction Tubes
Tubos de aspiración
Tubi aspirazioni



ADSON
41290-21
21 cm, 8 1/4"
ø 4 mm

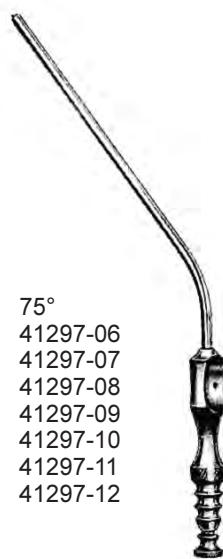


FERGUSSON
41294-40
18 cm, 7"
ø 4 mm, 90°

isoliert
insulated
aislado
isolato

Saugrohre, Punktionskanüle
 Suction Tubes, Puncture Cannulas
 Tubos de aspiración, Tubo de punción
 Tubi aspirazioni, cannula per punzione

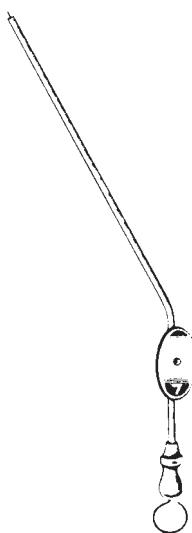
| Charr. | F.G. 30° | 75° |
|--------|----------|----------|
| 6 | 41295-06 | 41297-06 |
| 7 | 41295-07 | 41297-07 |
| 8 | 41295-08 | 41297-08 |
| 9 | 41295-09 | 41297-09 |
| 10 | 41295-10 | 41297-10 |
| 11 | 41295-11 | 41297-11 |
| 12 | 41295-12 | 41297-12 |
| 15 | 41295-15 | |



FRAZIER/FERGUSSON
 41295-06 – 41297-12
 19 cm, 7 1/2"



FRAZIER/FERGUSSON
 41298-12
 12 cm, 4 3/4" / 3 mm



BARON
 16 cm, 6 1/4"
 41299-03 3FR 1,0 mm
 41299-05 5FR 1,6 mm
 41299-07 7FR 2,3 mm



SCHUHKNECHT
 13 cm, 5"
 41300-09 Ø 0,9 mm / 20 swg
 41300-06 Ø 0,6 mm / 24 swg

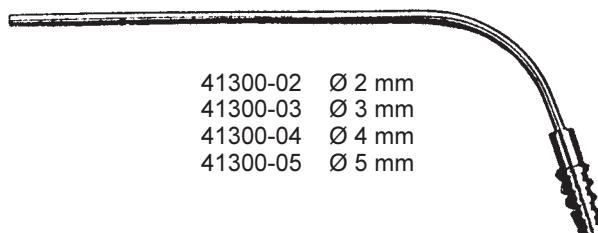


HOUSE
 41300-00
 5,5 cm, 2 1/4"

Saugadapter
 mit Saugunterbrecher
 Suction adapter
 with finger cut-off
 Adaptador para
 aspiración con interrupto
 Adattatore per
 aspirazione con interruttore

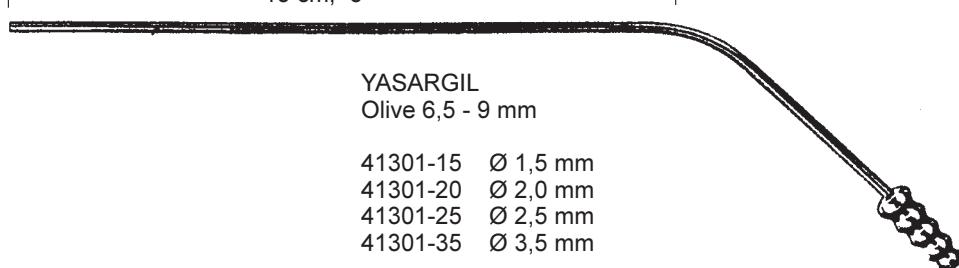
Saugrohre
Suction Tubes
Tubos de aspiración
Tubi aspirazioni

11 cm, 4,4"

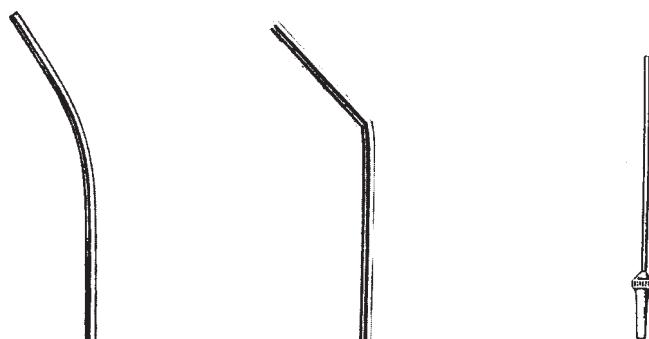


41300-02 Ø 2 mm
41300-03 Ø 3 mm
41300-04 Ø 4 mm
41300-05 Ø 5 mm

15 cm, 6"



41301-15 Ø 1,5 mm
41301-20 Ø 2,0 mm
41301-25 Ø 2,5 mm
41301-35 Ø 3,5 mm



0,5 mm Ø 41306-05
0,7 mm Ø 41306-07
0,9 mm Ø 41306-09
1,2 mm Ø 41306-12

Kanüle für Sauggriff
für Zöllner und Wullstein

Tip for Suction Handle
for Zöllner and Wullstein

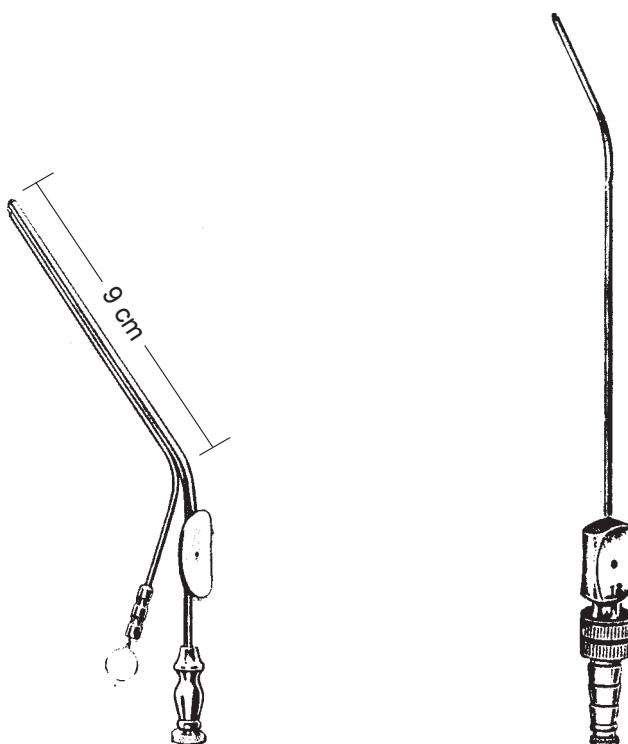
Cáñula para mango
para Zöllner y Wullstein

Cannula per manico di aspirazione
per Zöllner e Wullstein

ZÖLLNER
41302-01

ZÖLLNER
41302-02

Saugrohre
Suction Tubes
Tubos de aspiración
Tubi aspirazioni



HOUSE

9 cm, 3 1/2"

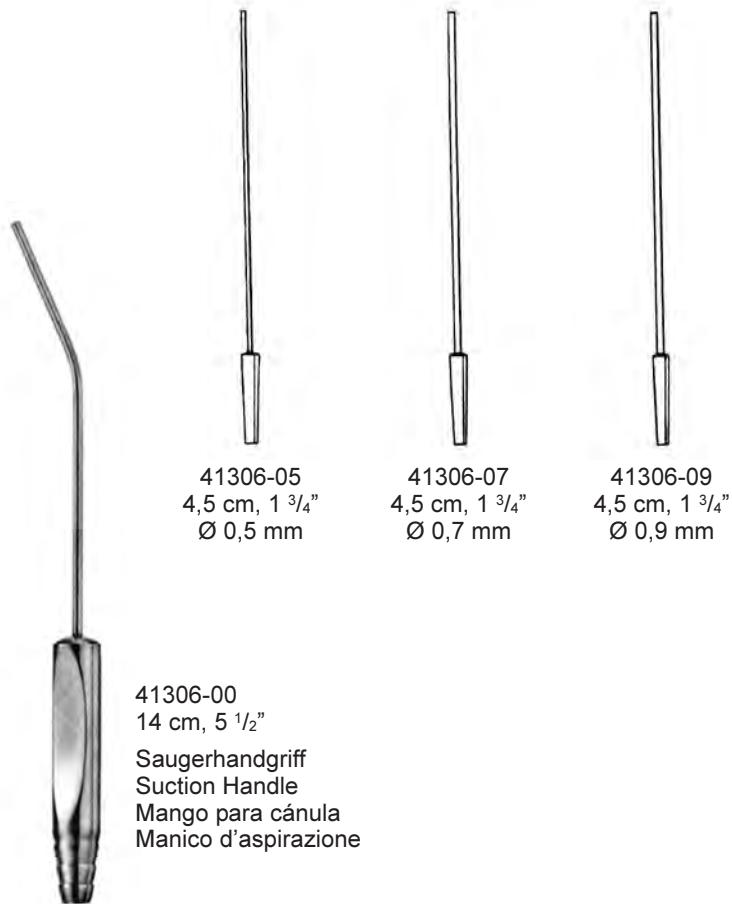
- 41303-09 Ø 0,9 x 0,7 mm
- 41303-12 Ø 1,2 x 0,9 mm
- 41303-15 Ø 1,5 x 1,2 mm
- 41303-18 Ø 1,8 x 1,8 mm
- 41303-25 Ø 2,5 x 2,0 mm
- 41303-30 Ø 3,0 x 2,0 mm
- 41303-45 Ø 4,5 x 2,0 mm

PLESTER 30°

- Charr. 6 41304-06
- Charr. 8 41304-08
- Charr. 10 41304-10

Saugrohre
Suction Tubes
Tubos de aspiración
Tubi aspirazioni

Mikro-Saugkanüle
Micro suction cannula
Micro tubo de aspiración
Micro-cannula d'aspirazione



WULLSTEIN
41308-00

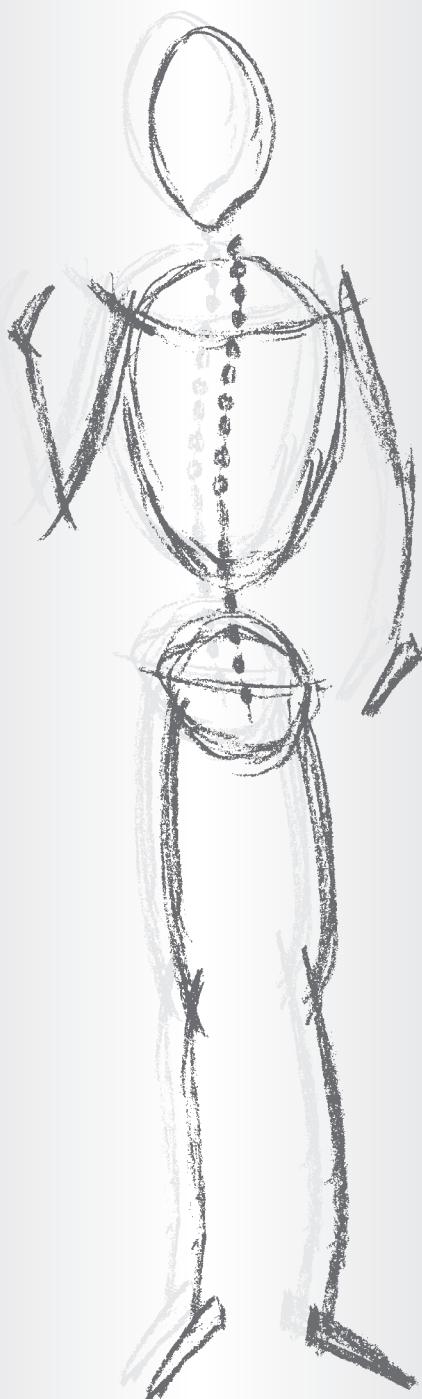
komplett, mit Griff und drei Aufsätzen
complete, with handle and 3 tips
completo, con mango y 3 puntas
completo, con manico e 3 punte

Saugraspatorium
Suction Raspatory
Legra de succión
Raspatorio con aspiratore



GUILEN
47347-20
19 cm, 7 1/2"

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LAMINEKTOMIE

LAMINECTOMY

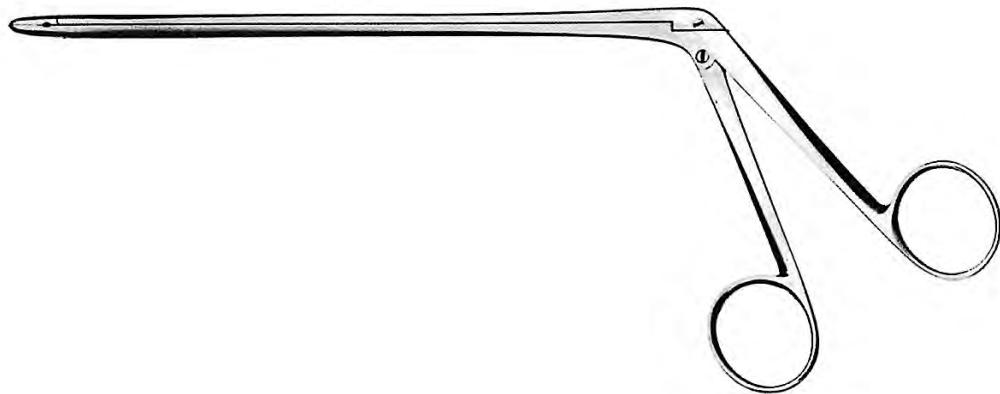
LAMINECTOMIA

LAMINECTOMIA

REDA

www.Redainstrumente.de

Laminektomie Zangen
 Laminectomy Forceps
 Pinzas para laminectomia
 Pinze per laminectomia



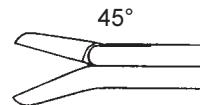
CUSHING
2 x 10 mm



41420-01
41421-01
41422-01



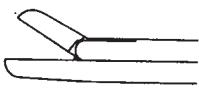
41420-02
41421-02
41422-02



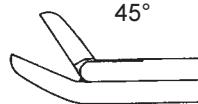
41420-03
41421-03
41422-03

125 mm / 5"
150 mm / 6"
180 mm / 7"

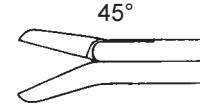
LOVE-GRUENWALD
3 x 10 mm



41430-01
41431-01
41432-01



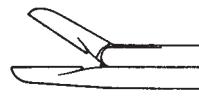
41430-02
41431-02
41432-02



41430-03
41431-03
41432-03

125 mm / 5"
150 mm / 6"
180 mm / 7"

SPURLING
4 x 10 mm



41440-01
41441-01
41442-01



41440-02
41441-02
41442-02

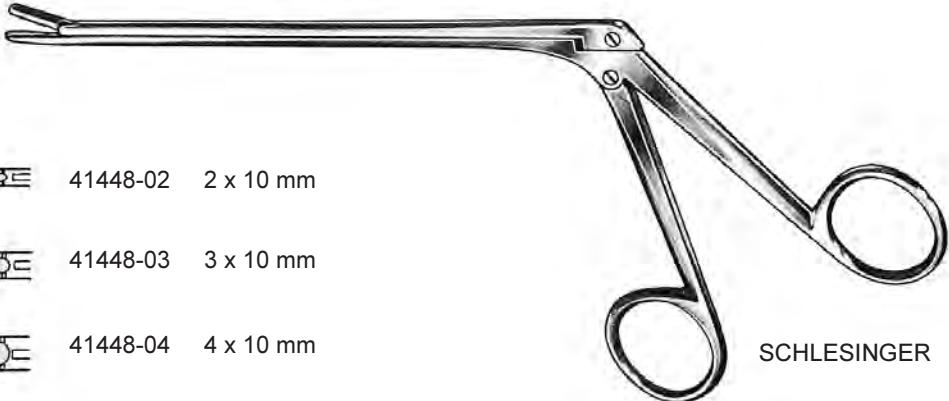


41440-03
41441-03
41442-03

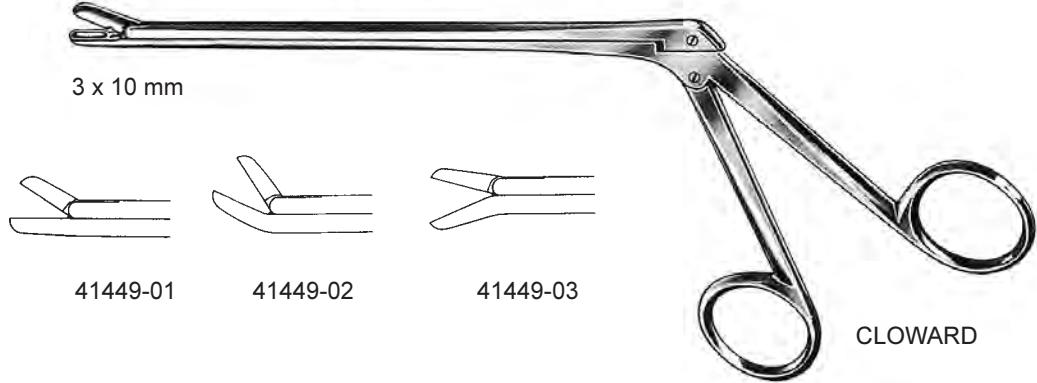
125 mm / 5"
150 mm / 6"
180 mm / 7"

Laminektomie Zangen
Laminectomy Forceps
Pinzas para laminectomia
Pinze per laminectomia

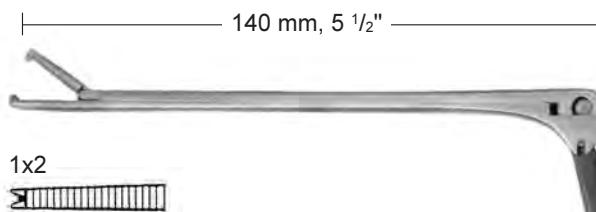
15 cm, 6"



15 cm, 6"



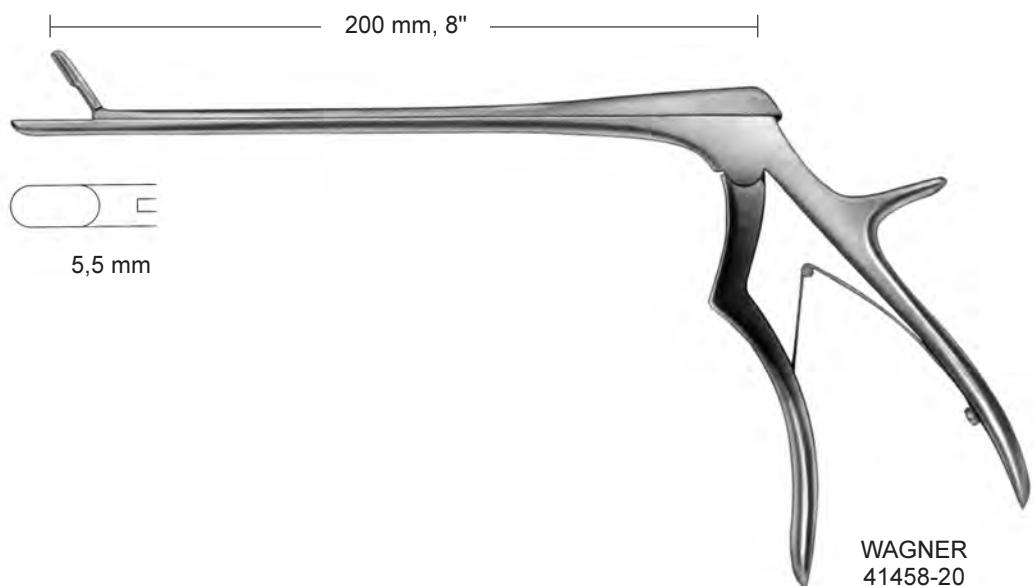
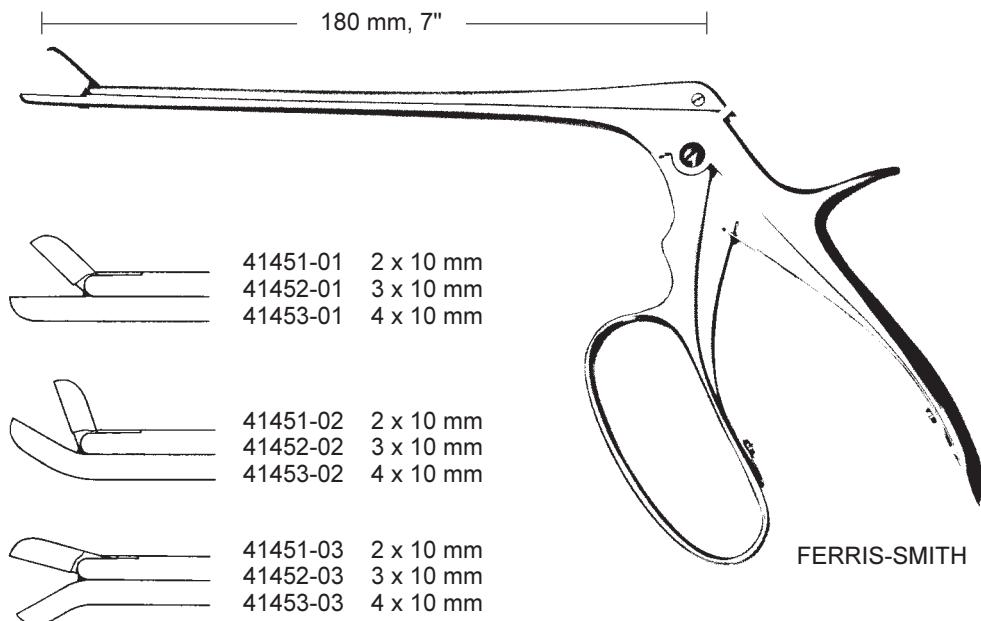
Laminektomie Zangen
Laminectomy Forceps
Pinzas para laminectomia
Pinze per laminectomia



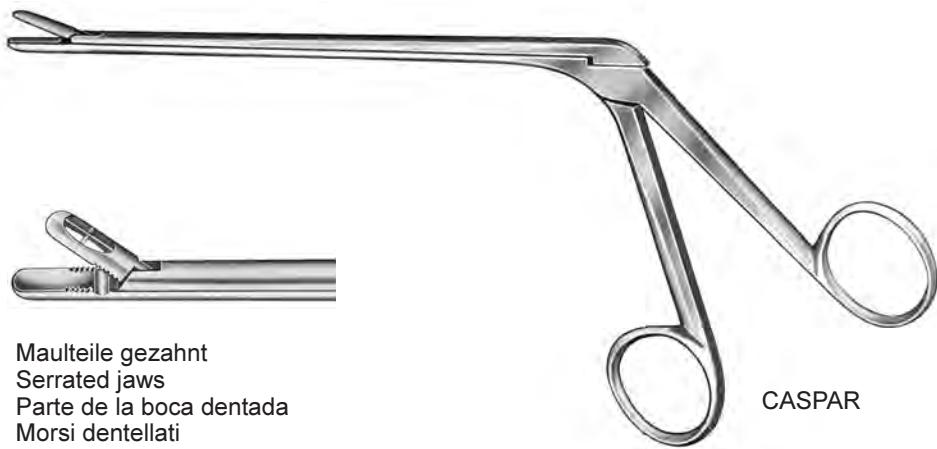
1x2




Laminektomie Zangen
Laminectomy Forceps
Pinzas para laminectomia
Pinze per laminectomia



Laminektomie Zangen
 Laminectomy Forceps
 Pinzas para laminectomia
 Pinze per laminectomia



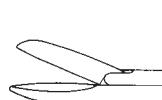
Maulteile gezahnt
 Serrated jaws
 Parte de la boca dentada
 Morsi dentellati

| | 41460-01 | 41460-02 | 41460-03 | 140 mm / 5½" |
|------|----------|----------|----------|--------------|
| | 41461-01 | 41461-02 | 41461-03 | 160 mm / 6¼" |
| | 41462-01 | 41462-02 | 41462-03 | 185 mm / 7¼" |
| | | | | |
| | 41465-01 | 41465-02 | 41465-03 | 140 mm / 5½" |
| | 41466-01 | 41466-02 | 41466-03 | 160 mm / 6¼" |
| | 41467-01 | 41467-02 | 41467-03 | 185 mm / 7¼" |
| | | | | |
| | 41470-01 | 41470-02 | 41470-03 | 140 mm / 5½" |
| | 41471-01 | 41471-02 | 41471-03 | 160 mm / 6¼" |
| | 41472-01 | 41472-02 | 41472-03 | 185 mm / 7¼" |
| | | | | |
| | 41475-01 | 41475-02 | 41475-03 | 140 mm / 5½" |
| | 41476-01 | 41476-02 | 41476-03 | 160 mm / 6¼" |
| | 41477-01 | 41477-02 | 41477-03 | 185 mm / 7¼" |
| | | | | |
| | 41480-01 | 41480-02 | 41480-03 | 140 mm / 5½" |
| | 41481-01 | 41481-02 | 41481-03 | 160 mm / 6¼" |
| | 41482-01 | 41482-02 | 41482-03 | 185 mm / 7¼" |

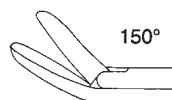
Laminektomie Zangen
Laminectomy Forceps
Pinzas para laminectomia
Pinze per laminectomia



CASPAR

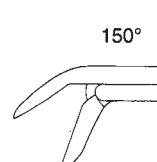


41490-01



150°

41490-02



150°

41490-03



41492-01

41492-02

41492-03



41494-01

41494-02

41494-03



41496-01

41496-02

41496-03

Laminektomie Zangen
Laminectomy Forceps
Pinzas para laminectomia
Pinze per laminectomia

120 mm, 4 3/4"

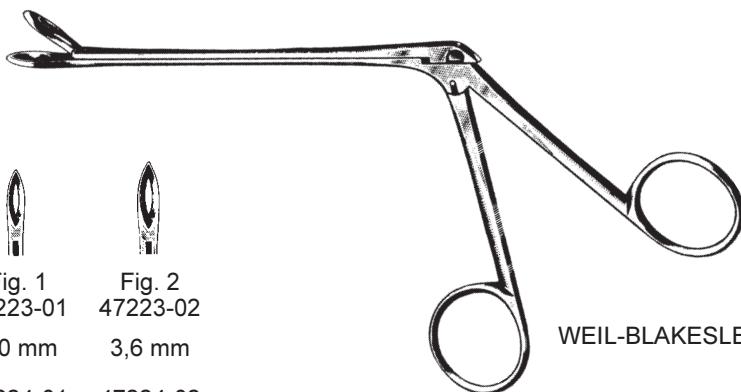


Fig. 1
47223-01

3,0 mm



47224-01

4,2 mm



Fig. 3
47223-03

4,2 mm



47224-03

4,8 mm



Fig. 4
47223-04

4,8 mm



Fig. 5
47223-05

5,8 mm

WEIL-BLAKESLEY

Hypophysen- und Tumorzangen
 Pituitary Rongeurs and Tumor Grasping Forceps
 Pinzas cortantes para hipófisis y para tumores
 Pinze per ipofisi e tumori



41445-25 180 mm / 7" OLDBERG

Scharfe Hypophysenzange
 Sharp Pituitary Rongeur
 Pinza para hipófisis cortante
 Pinze per ipofisi tagliente



41446-02 190 mm / 7½" LANDOLT

Scharfe Hypophysenzange
 Sharp Pituitary Rongeur
 Pinza para hipófisis cortante
 Pinze per ipofisi tagliente



41446-03 190 mm / 7½" YASARGIL

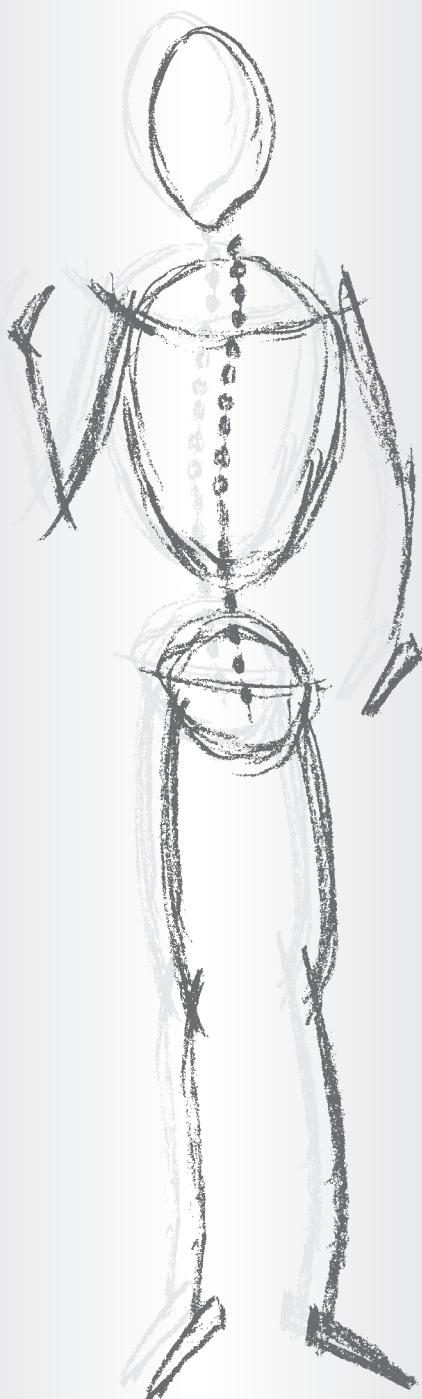
Scharfe Hypophysenzange
 Sharp Pituitary Rongeur
 Pinza para hipófisis cortante
 Pinze per ipofisi tagliente



41446-09 200 mm / 8" LANDOLT

Tumor-Faßzange, stumpf
 Tumor Grasping Forceps, blunt
 Pinza para tumores, roma
 Pinze per ipofisi smussa

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**MIKRO-RUNDGRIFF-
INSTRUMENTE**

**MICRO INSTRUMENTS
WITH ROUND HANDLE**

**INSTRUMENTOS PARA
MICROCIRUGÍA CON
MANGOS REDONDOS**

**STRUMENTI PER
MICROCHIRURGIA CON
MANICO ROTONDO**

REDA

www.Redainstrumente.de

Mikro Gefäßmesser
Micro Vessel Knives
Micro cuchillos
Micro coltelli per vasi



41230-01 185 mm / 7 1/4" KOOS



41230-02 185 mm / 7 1/4" KOOS



41230-03 185 mm / 7 1/4" KOOS

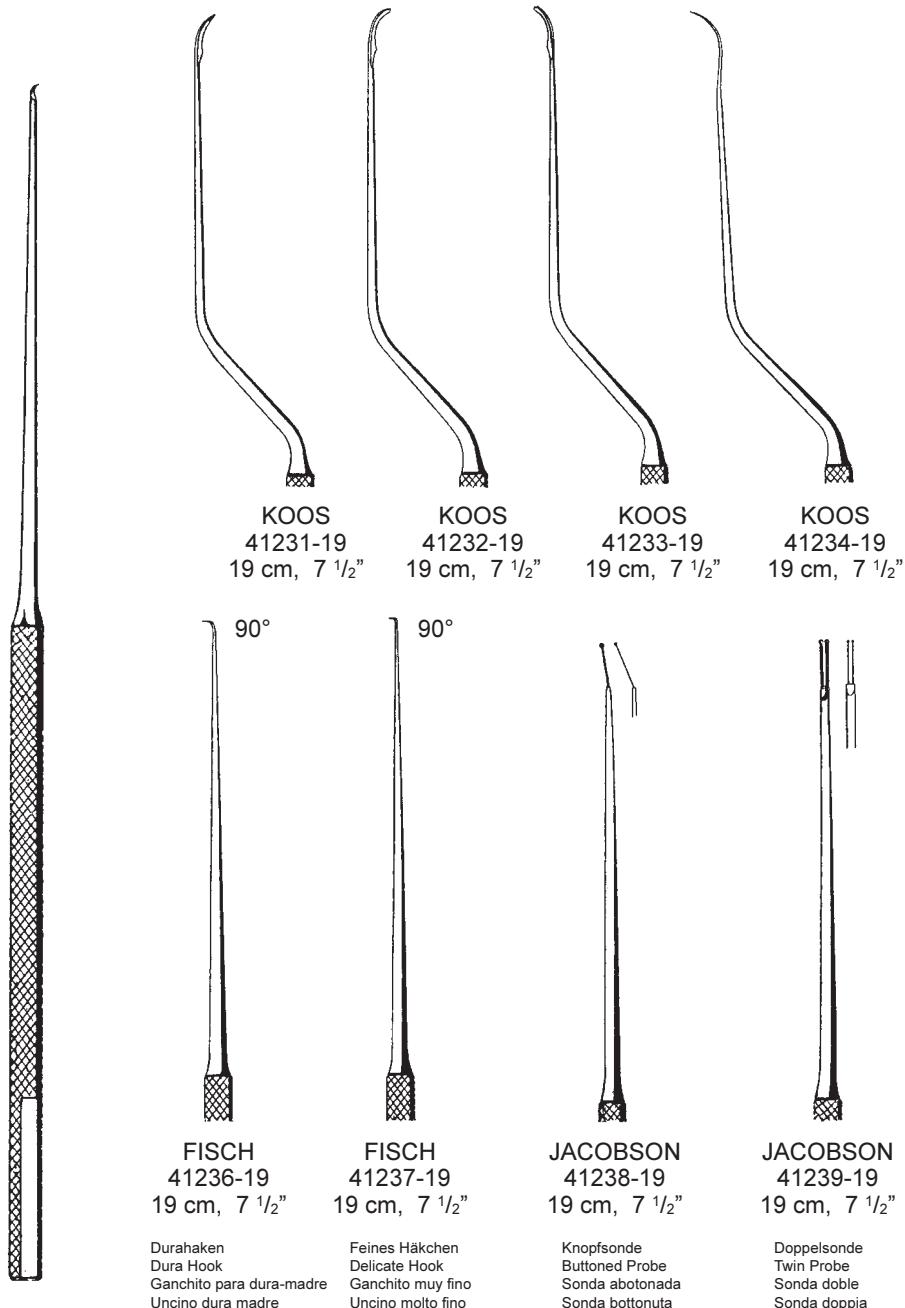


41230-05 185 mm / 7 1/4" YASARGIL

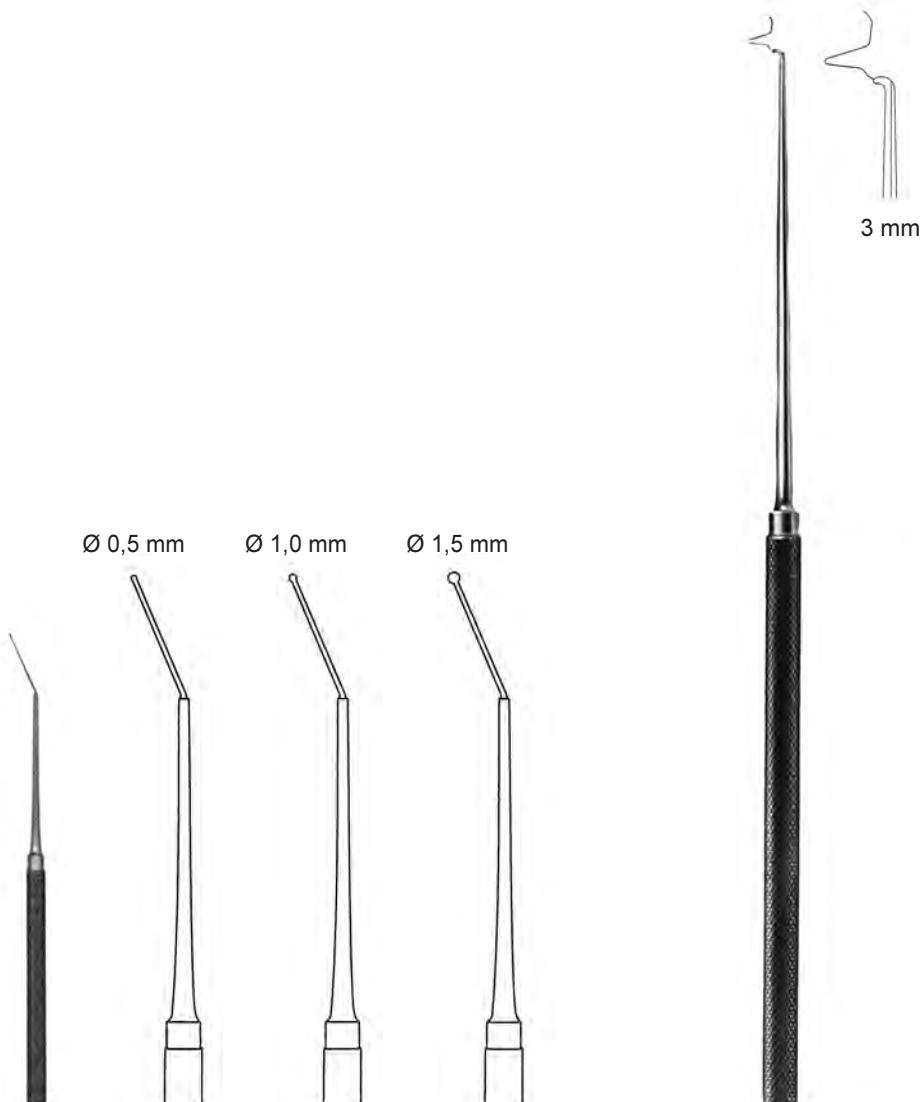


41230-06 185 mm / 7 1/4" YASARGIL

Messer, Haken, Sonden
 Knives, Hooks, Probes
 Bisturies, Ganchos, Sondas
 Bisturi, Uncino, Sonde



Gefäßdilatatoren, Gefäßspreizer
Vessel dilators, Vessel Spreader
Dilatadores vasculares, Separador para vasos
Dilatatori vascolari, Divaricatore per vasi



12,5 cm, 5" 41238-19-05 41238-19-10 41238-19-15

BIEMER
41240-16
16 cm, 6 1/4"

Tumormesser
Knives for tumor tissue
Cuchillos para tumores
Coltelli per tumori



SAMII



93460-20 200 mm / 8"
93460-23 230 mm / 9"

93461-20 200 mm / 8"
93461-23 230 mm / 9"

93462-20 200 mm / 8"
93462-23 230 mm / 9"

93463-20 200 mm / 8"
93463-23 230 mm / 9"

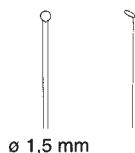
93464-20 200 mm / 8"
93464-23 230 mm / 9"

93465-20 200 mm / 8"
93465-23 230 mm / 9"

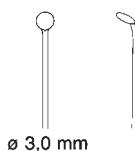
93466-20 200 mm / 8"
93466-23 230 mm / 9"

93467-20 200 mm / 8"
93467-23 230 mm / 9"

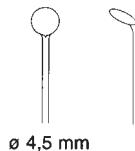
Tumormesser
Knives for tumor tissue
Cuchillos para tumores
Coltelli per tumori



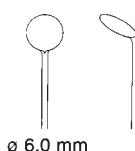
93470-20 200 mm / 8"
93470-23 230 mm / 9"



93471-20 200 mm / 8"
93471-23 230 mm / 9"



93472-20 200 mm / 8"
93472-23 230 mm / 9"



93473-20 200 mm / 8"
93473-23 230 mm / 9"



93474-23 230 mm / 9"
Lanzettenmesser
Lancet knives
Cuchillo lanceolar
Coltelli lanceolari



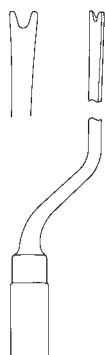
93475-23 230 mm / 9"
Lanzettenmesser
Lancet knives
Cuchillo lanceolar
Coltelli lanceolari

SAMII

Fadengabel
Suture Pusher
Empujadores de suturas
Sonda Conduttrice a forchetta



93500-18 185 mm / 7 1/4" JACOBSON



93501-23 230 mm / 9" CASPAR

Tumorgabeln
Tumor Forks
Horquillas para tumores
Forchetta per tumori



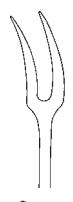
93505-01



93505-02



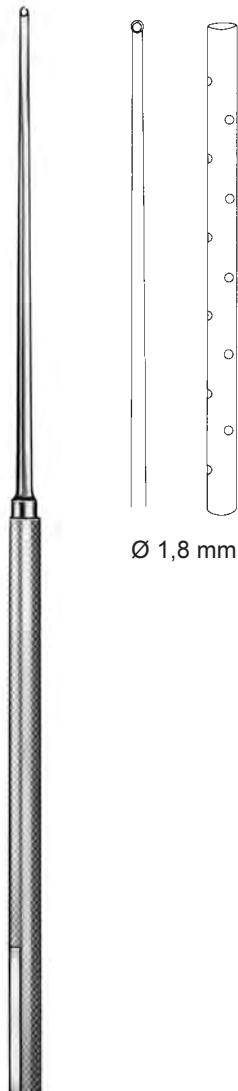
93505-03



93505-04

OKONEK-YASARGIL
230 mm
9"

Gewebekralle
Tissue Pick
Garra para tejido
Uncini per tessuti



mit Schutzkappe
with guard
con protector
con cappuccio di protezione

Ø 1,8 mm

93510-18
185 mm
7 1/4"

Mikro-Rundgriffinstrumente

Micro Instruments with round Handle

Instrumentos para microcirugía con mangos redondos

Strumenti per Microchirurgia con manico rotondo



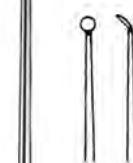
41170-01
Ø 1 mm
Raspatorium
Raspatories
Legra
Periostotomi



41170-07
Ø 1,2 mm
Dissektor
Dissector
Dissector
Dissettore



41170-11
2 mm 90°
Häkchen, halbscharf
Hook, semi-sharp
Gancho, semi agudo
Gancio, semiacuto



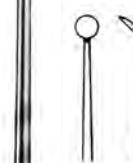
41170-02
Ø 2 mm
Raspatorium
Raspatories
Legra
Periostotomi



41170-08
Ø 2,8 mm
Dissektor
Dissector
Dissector
Dissettore



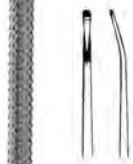
41170-12
2 mm 90°
Häkchen, stumpf
Hook, blunt
Gancho, romo
Gancio, smusso



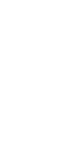
41170-03
Ø 3 mm
Raspatorium
Raspatories
Legra
Periostotomi



41170-13
3 mm 45°
Häkchen, halbscharf
Hook, semi-sharp
Gancho, semi agudo
Gancio, semiacuto



41170-04
Ø 1 mm
Dissektor, spatelförmig
Dissector, spatula
Dissector, espatulado
Dissettore, spatulate



41170-09
1 x 2 mm
Scharfe Löffel, oval
Curette, oval
Cucharilla, oval
Curette, ovale



41170-14
Nadel, halbscharf
Needle, semi-sharp
Aguja, semi agudo
Ago, semiacuto



41170-05
Ø 1,5 mm
Dissektor, spatelförmig
Dissector, spatula
Dissector, espatulado
Dissettore, spatulate



41170-10
1 x 2 mm 45°
Scharfe Löffel, oval
Curette, oval
Cucharilla, oval
Curette, ovale



41170-15
90°
Knopfsonde
Buttoned probes
Sonda abotonada
Sonde buttonute

RHOTON

19 cm, 7 1/2"

Tumorgabel
Tumor fork
Horquilla para tumores
Forchette per tumori



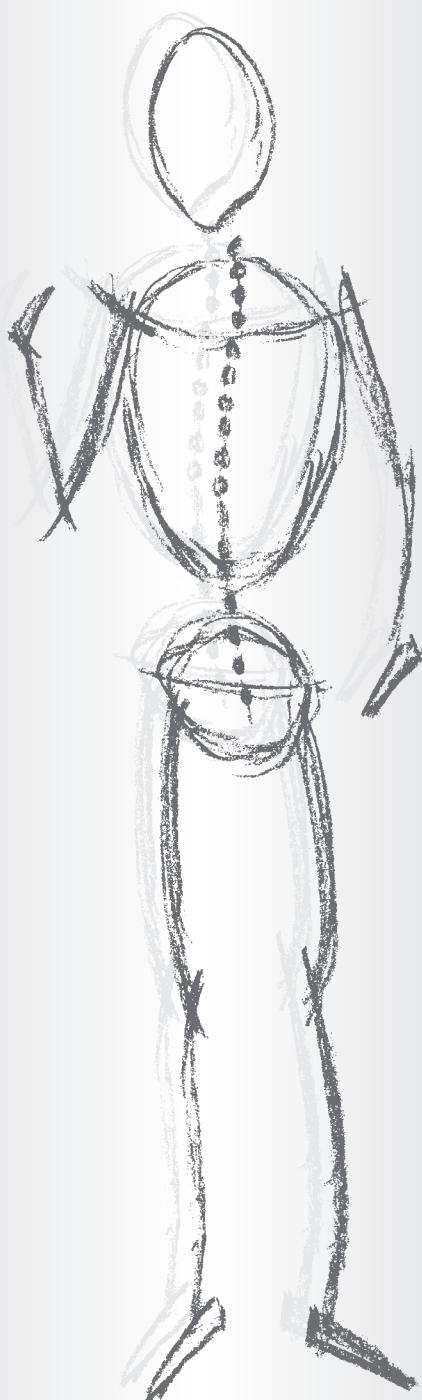
93506-05
5 mm



93506-08
8 mm

YASARGIL
20 cm, 8"

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HYPOPHYSEKTOMIE

HYPOPHYSECTOMY

HIPOFISECTOMÍA

IPOFISECTOMIA

REDA

www.Redainstrumente.de

Ringküretten
Ring Curettes
Curetas anulares
Curette anulari



CONE
23 cm 9"

33751-01
33751-02
33751-03

Ø 3 mm
Ø 6 mm
Ø 8 mm

33753-01
33753-02
33753-03

Hypophyse Pinzetten
Hypophyseal Forceps
Pinzas para hipófisis
Pinze per ipofisi



ADSON
41210-23
23 cm, 9"

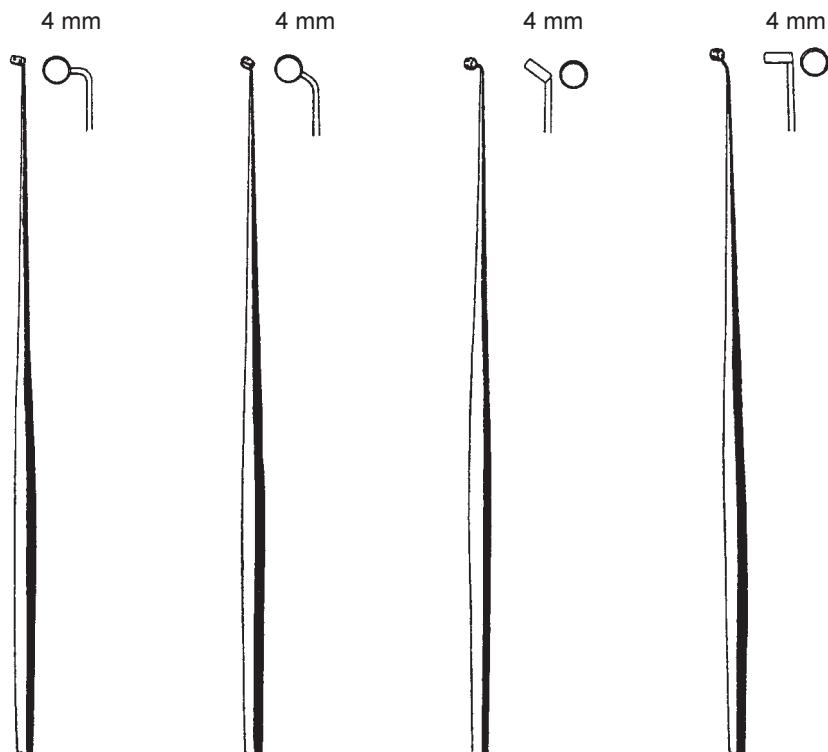


ADSON
41211-23
23 cm, 9"



ADSON
41213-23
23 cm, 9"

Küretten
Curette
Curetas
Curette



41221-00
19 cm, 7 $\frac{1}{2}$ "

41222-00
19 cm, 7 $\frac{1}{2}$ "

41223-00
19 cm, 7 $\frac{1}{2}$ "

41224-00
19 cm, 7 $\frac{1}{2}$ "

Hypophysektomie Instrumente
Pituitary Instruments
Instrumentos para hipófisis
Strumenti per ipofisi



CUSHING-LANDOLT
93600-01 70 x 15 mm
93600-02 90 x 15 mm
93600-03 110 x 15 mm

Spekula für trans-sphenoidale Hypophysektomie
specula for trans-sphenoidale hypophysectomy
espéculos para hipofisectomía transfenoidal
specoli per ipofisectomia trasfenoidale



Spreizzange zum Spreizen der Spekula
spreader for specula
pinza para abrir el especulo
pinze per aprire gli specoli

LANDOLT
93605-21
210 mm, 8 1/4"

Hypophysektomie Instrumente
Pituitary Instruments
Instrumentos para hipófisis
Strumenti per ipofisi



PAPAVERO-CASPAR

93610-11 80 x 11 mm

93610-13 90 x 13 mm

93610-15 100 x 15 mm

Spekula für trans-sphenoidale Hypophysektomie
specula for trans-sphenoidale hypophysectomy
espéculos para hipofisección transfenoidal
specoli per ipofisección trasfenoidal



PAPAVERO-HARTMANN

93615-01

140 mm, 5 1/2"

Spreizer für Spekula
spreader for specula
pinza para abrir el espéculo
pinze per aprire gli specoli

140 mm, 5 1/2"

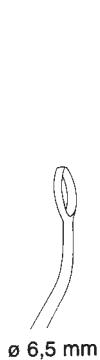


LANDOLT

93620-14

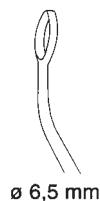
215 mm, 8 1/2"

Hypophysektomie-Instrumente
Pituitary Instruments
Instrumentos para hipófisis
Strumenti per ipofisi



93660-01

Kürette, biegksam, nach rechts schneidend
curette, malleable, cutting to the right
cureta, maleable, cortante hacia la derecha
curetta, malleabile, tagliente a destra



93660-02

Kürette, biegksam, nach links schneidend
curette, malleable, cutting to the left
cureta, maleable, cortante hacia la izquierda
curetta, malleabile, tagliente a sinistra



93660-03

Kürette, biegksam
curette, malleable
cureta, maleable
curetta, malleabile



93660-04

Raspatorium
raspatory
legra
raspatore

Hypophysektomie-Instrumente
Pituitary Instruments
Instrumentos para hipófisis
Strumenti per ipofisi



93670-01 245 mm / 9 3/4" rechts/right/derecha/a destra HARDY
93670-02 245 mm / 9 3/4" links/left/izquierda/a sinistra

Enukleator, stumpf
enucleator, blunt
enucleador, romo
enucleatore, smusso



93670-05 245 mm / 9 3/4" rechts/right/derecha/a destra HARDY
93670-06 245 mm / 9 3/4" links/left/izquierda/a sinistra

Enukleator, scharf
enucleator, sharp
enucleador, cortante
enucleatore, tagliente



93670-09 245 mm / 9 3/4" HARDY

Implantationsgabel
implant fork
horquilla de implante
forchetta per trapianti



93670-10 245 mm / 9 3/4" HARDY-FAHLBUSCH

Dissektor, innen scharf
dissector sharpened inner edge
dissector, lado interno cortante
dissettore, lato interno sinistro tagliente



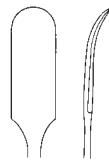
93670-12 245 mm / 9 3/4" HARDY-FAHLBUSCH

Dissektor, innen scharf
dissector sharpened inner edge
dissector, lado interno cortante
dissettore, lato interno destro tagliente

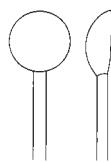
Hypophysektomie-Instrumente
Pituitary Instruments
Instrumentos para hipófisis
Strumenti per ipofisi



93680-01 260 mm / 10 3/4" LANDOLT
rechts/right/derecha/a destra
93680-02 260 mm / 10 3/4"
links/left/izquierda/a sinistra
Enukleator, stumpf, biegksam
enucleator, blunt, malleable
enucleador, romo, maleable
enucleatore, smusso, malleabile



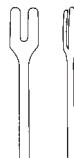
93680-05 260 mm / 10 3/4" LANDOLT
Kürette, biegksam
curette, malleable
cureta, maleable
curetta, malleabile



93680-06 260 mm / 10 3/4" LANDOLT
Löffel, biegksam
scoop, malleable
cucharilla, maleable
cucchiaio, malleabile



93680-07 260 mm / 10 3/4" LANDOLT
stumpfes Häkchen, biegksam
blunt hook, malleable
gancho, romo, maleable
uncino smusso, malleabile



93690-01 260 mm / 10 3/4" HOSOBUCHI
gabelförmige Spatel, fest
fork spatula, rigid
espatula forma horquilla, rígida
spatola forma a forchetta, rigida

Hypophysenküretten
 Pituitary Curettes
 Cureta para hipófisis
 Curetta per ipofisi



HARDY
 24 cm, 9 1/2"
 93700-03 3 mm
 93700-05 5 mm

aufwärts gewinkelt
 angled up
 en ángulo hacia arriba
 angolato verso l'alto



HARDY
 24 cm, 9 1/2"
 93701-03 3 mm
 93701-05 5 mm

abwärts gewinkelt
 angled down
 ángulo hacia abajo
 angolato verso il basso

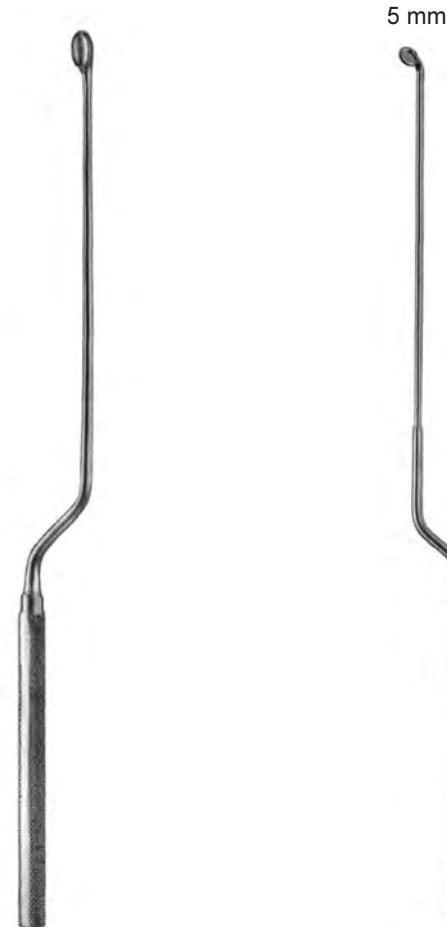


HARDY
 24 cm, 9 1/2"
 93703-03 3 mm
 93703-05 5 mm

links gewinkelt
 left curved
 curvo hacia la izquierda
 curva a destra



rechts gewinkelt
 right curved
 curvo hacia la derecha
 curva a sinistra



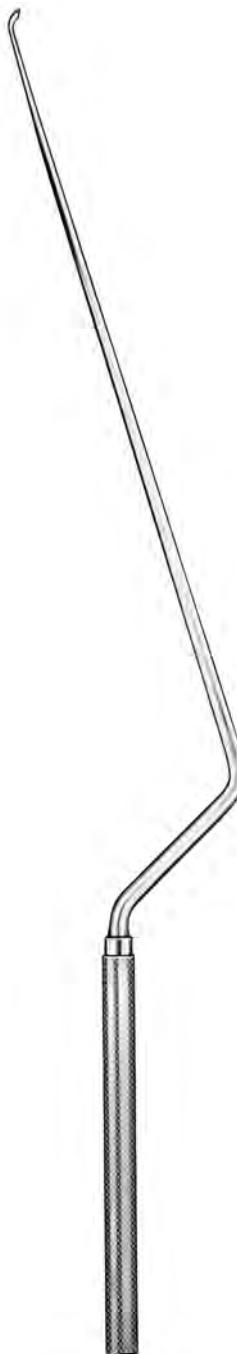
HARDY
93704-24
23,5 cm, 9 1/4"

Löffel, biegsam
Spoon, malleable
Cucharilla, maleable
Cucchiaio, malleabile

HARDY
93705-00
23 cm, 9"

Mikrospiegel
Micro mirror
Micro espejo
Micro-specchio

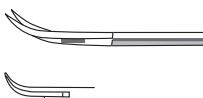
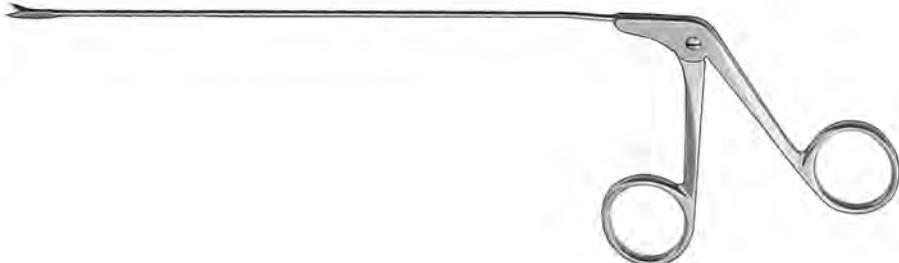
Hypophysektomie-Instrumente
 Pituitary Instruments
 Instrumentos para hipófisis
 Strumenti per ipofisi



| | | |
|--|----------|---|
| | 93710-01 | 260 mm / 10 1/4" FAHLBUSCH Löffel, biegsam scoop, malleable cucharilla, maleable cucchiaio, malleabile |
| | 93710-02 | 260 mm / 10 1/4" FAHLBUSCH Kürette, biegsam curette, malleable cureta, maleable curetta, malleabile |
| | 93710-03 | 260 mm / 10 1/4" LANDOLT-REULEN Raspatorium, fest raspatories, rigid legra, rígida raspatore, rigido |
| | 93710-04 | 260 mm / 10 1/4" LANDOLT-REULEN Raspatorium, fest raspatories, rigid legra, rígida raspatore, rigido |
| | 93710-05 | 260 mm / 10 1/4" LANDOLT-REULEN Kürette, fest curette, rigid cureta, rígida curetta, rigido |
| | 93710-06 | 260 mm / 10 1/4" LANDOLT-REULEN stumpfes Häkchen, fest blunt hook, rigid gancho, romo, rígido uncino smusso, rigido |
| | 93710-07 | 260 mm / 10 1/4" LANDOLT-REULEN Dissektor, fest dissector, rigid dissector, rígido dissettore, rigido |

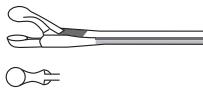
Hypophysektomie-Instrumente
Pituitary Instruments
Instrumentos para hipófisis
Strumenti per ipofisi

Nutzlänge 165 mm / useable length 165 mm
largo útil 165 mm / lunghezza utile 165 mm



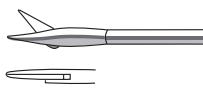
93720-01 165 mm / 6 1/2" FAHLBUSCH

Mikro-Schere, gebogen, horizontal schneidend
Micro scissors, horizontal cutting
Micro-tijera, curva, cortante en forma horizontal
Micro forbice, curva, tagliente orizzontale



93720-02 165 mm / 6 1/2" NICOLA

Scharfe Zange
Forceps scoop-shaped
Pinza en forma de cuchara, cortante
Pinze tagliente



93720-03 165 mm / 6 1/2" NICOLA

Mikro-Schere, gerade
Micro Scissors, straight
Micro-tijera, recta
Micro forbice, retta



93720-04 165 mm / 6 1/2" YASARGIL-NICOLA

Faßzange
Grasping Forceps
Pinza de agarre
Pinze da presa

Hypophysektomie-Instrumente
 Pituitary Instruments
 Instrumentos para hipófisis
 Strumenti per ipofisi

Nutzlänge 80 mm / useable length 80 mm
 largo útil 80 mm / lunghezza utile 80 mm

Mikrozangen
 Micro forceps
 Micro-pinzas
 Micro pinze

gerade
 straight
 recta
 retta

aufgebogen
 angled up
 curva hacia arriba
 curva in alto

4 mm

6 mm

93730-04

93730-06

93731-04

Löffelzangen
 Cup-shaped Forceps
 Pinzas en forma de cuchara
 Pinze, morso a forma di cucchiaio

gerade
 straight
 recta
 retta

rund
 round
 redondo
 rotondo

93740-01

oval
 oval
 oval
 ovale

93740-02

Mikro-Scheren
 Micro Scissors
 Micro tijeras
 Micro Forbici

gerade
 straight
 recta
 retta

93750-01

rechts gebogen
 curved right
 curva hacia la derecha
 curva a destra

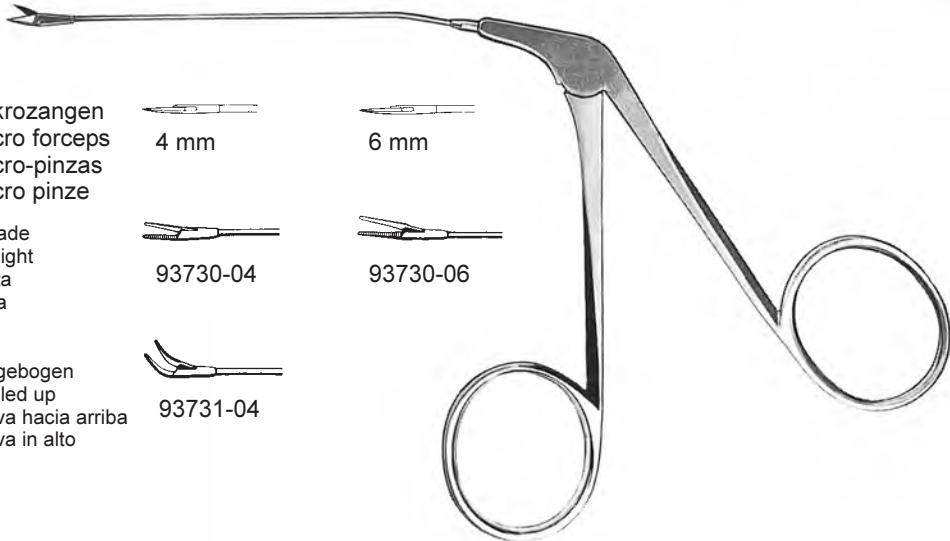
93750-03

aufgebogen
 angled up
 curva hacia arriba
 curva in alto

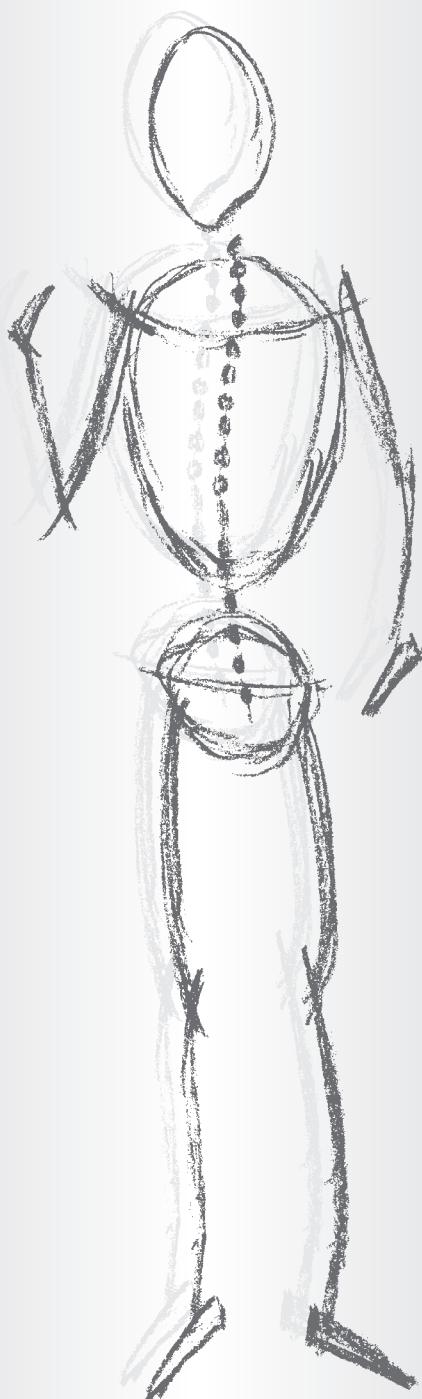
93750-02

links gebogen
 curved left
 curva hacia la izquierda
 curva a sinistra

93750-04



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HIRNSPATEL

BRAIN SPATULAS

ESPÁTULAS CEREBRALES

SPATOLE CEREBRALI

REDA

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Hirnspatel
Brain Spatulas
Espátulas cerebrales
Spatole cerebrali

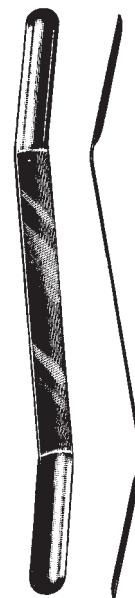


biegsam
malleable
maleable
malleabile



CUSHING

41250-11 8 x 10 mm
41250-15 13 x 15 mm
41250-18 16 x 18 mm



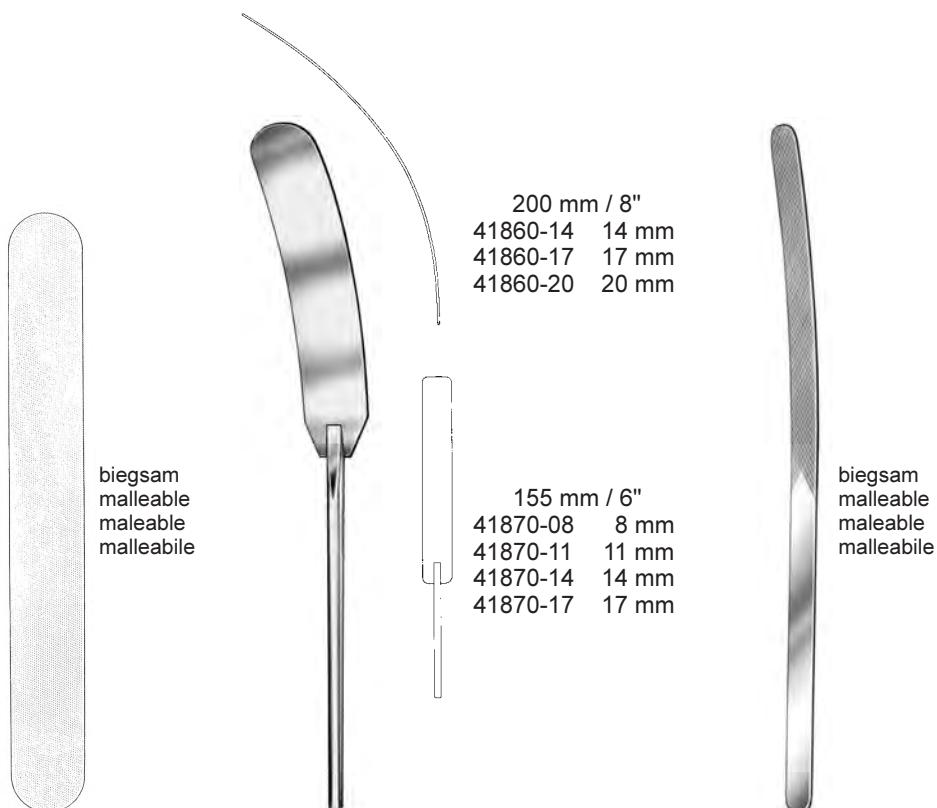
OLIVECRONA

41253-07 7/9 mm
41253-11 11/13 mm
41253-15 15/18 mm
41253-18 18/22 mm

AACHEN

| | |
|----------|----------------|
| 41249-07 | 7/8 x 200 mm |
| 41249-10 | 10/11 x 200 mm |
| 41249-13 | 13/14 x 200 mm |
| 41249-16 | 16/17 x 200 mm |
| 41249-19 | 19/20 x 200 mm |
| 41249-22 | 22/25 x 200 mm |

Hirnspatel
Brain Spatulas
Espátulas cerebrales
Spatole cerebrali



DAVIS
18 cm, 7"
41254-06 6 mm
41254-10 9 mm
41254-13 13 mm
41254-16 16 mm
41254-19 19 mm
41254-25 25 mm
41254-32 32 mm
41254-38 38 mm

HEIFETZ
biegsam
malleable
maleable
malleabile

41880-01 9 x 200 mm, 8"
41880-02 12 x 200 mm, 8"
41880-03 12 x 250 mm, 10"

LEYLA Retraktor System
 LEYLA Retractor System
 Separador de sistema LEYLA
 LEYLA Sistema di fissaggio

YASARGIL



- 41801-01 Hirnspatelhalter, flexibel, für 1 flachen Spatel,
komplett, bestehend aus:
 brain retractor, flexible, for 1 flat spatula, complete,
consisting of:
 separador autorententivo, flexible, para espátula con
 1 brazo flexible, completo, compuesto de:
 divisoratore autostatico, flessibile, per spatole piatte,
 con 1 braccio flessibile, completo, composto da:
- 41810-10 flexibler Spannarm
 flexible arm
 brazo flexible
 braccio flessibile
- 41826-26 Fixievorrichtung für 1 flexiblen Spannarm
 fixation base for 1 flexible arm
 fijador para 1 brazo flexible
 fissatore per 1 braccio al braccio rigido
- 41830-30 Spatelhalter für flache Spateln
 support for flat brain spatula
 soporte para espátulas cerebrales planas
 sostegno per spatole piatte

YASARGIL



- 41802-02 Hirnspatelhalter, flexibel für 2 flache Spateln,
komplett, bestehend aus:
 brain retractor, flexible, for 2 flat spatulas, complete,
consisting of:
 separador autorententivo, flexible, para 2 espátulas
 planas con 2 brazos flexibles, completo, compuesto de:
 divisoratore autostatico, flessibile, per spatole piatte,
 con 2 bracci flessibili, completo, composto da:
- 41810-10 flexibler Spannarm (2x)
 flexible arm (2x)
 brazo flexible (2x)
 braccio flessibile (2x)
- 41822-22 Fixievorrichtung für 2 flexible Spannarme
 fixation base for 2 flexible arms
 fijador para 2 brazos
 fissatore per 2 bracci al cranio
- 41830-30 Spatelhalter für flache Spateln (2x)
 support for flat brain spatula (2x)
 soporte para espátulas cerebrales planas (2x)
 sostegno per spatole piatte (2x)

LEYLA Retraktor System
LEYLA Retractor System
Separador de sistema LEYLA
LEYLA Sistema di fissaggio

41821-21

Fixierzvorrichtung für 1 flexiblen Spannarm zum Festschrauben an Rohrteilen bis Ø 16 mm

Fixation base for mounting on bars up to Ø16 mm, for 1 flexible arm

Fijador para 1 brazo flexible, para atornillar a tubos hasta 16 mm

Fissatore per 1 braccio al braccio rigido



41822-22

Fixierzvorrichtung für 2 flexible Spannarme zum Festschrauben am Schädel

Fixation base for skull mounting, holding 2 flexible arms

Fijador para 2 brazos flexibles, para atornillar al cráneo

Fissatore per 2 bracci al cranio



41826-26

Fixierzvorrichtung für 1 flexiblen Spannarm zum Festschrauben am Schädel

Fixation base for skull mounting, holding 1 flexible arm

Fijador para 1 brazos flexibles, para atornillar al cráneo

Fissatore per 1 braccio al cranio



41830-30

Spatelhalter für flache Hirnspateln zur Befestigung am Spannarm

Support for flat brain spatula

Soporte para espátulas cerebrales planas para fijación al brazo flexible

Sostegno per spatole piatte



41832-32

Halter für Hirnspateln mit rundem Schaft bis Ø 5,5 mm zur Befestigung am Spannarm

Support for brain spatula with round shaft

Soporte para espátulas cerebrales con mango redondo hasta Ø 5,5 mm para

fijacion al brazo flexible

Sostegno flessibile per spatola cerebrale



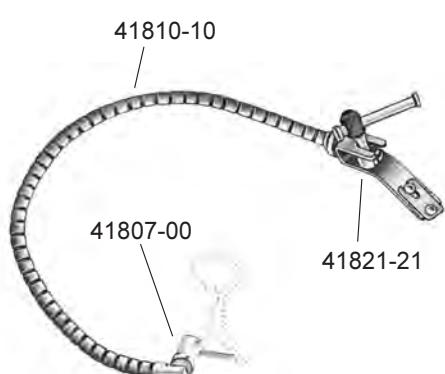
LEYLA Retraktor System
LEYLA Retractor System
Separador de sistema LEYLA
LEYLA Sistema di fissaggio



41810-10

YASARGIL

41810-10 flexible Spannarm, allein
flexible arm, only
brazo flexible, suelto
braccio flessibile, solo



41810-10

41807-00

41821-21

YASARGIL

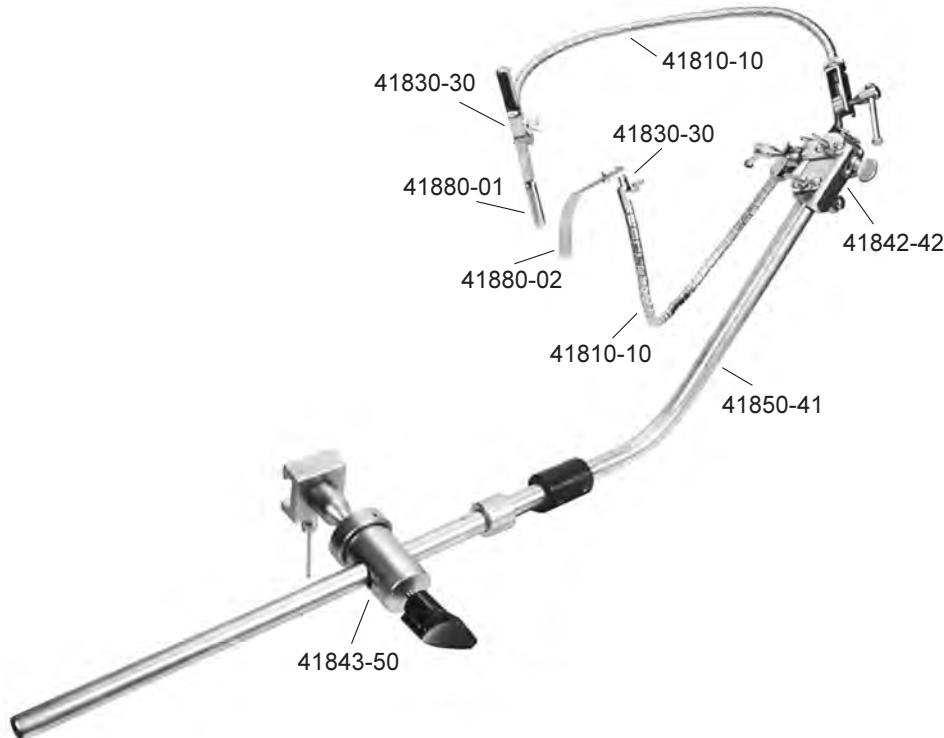
41803-01 Ohrspekulahalter, komplett, bestehend aus:
ear specula holder, complete, consisting of:
soporte para especulos auriculares completo,
compuesto de:
sostegno per specolo auricolare, completo
composto da:

41810-10 flexible Spannarm
flexible arm, only
brazo flexible, suelto
braccio flessibile, solo

41821-21 Fixervorrichtung zum Befestigen an Rohrteilen
bis Ø 16 mm
clamp for fixation on bars up to Ø 16 mm
fijador para 1 brazo flexible, para atornillar a
tubos hasta 16 mm
fissatore al braccio rigido Ø 16 mm

41807-00 Ohrtrichterhalter, allein
ear specula holder, only
soporte para especulos auriculares, suelto
sostegno per specolo auricolare

LEYLA Retraktor System
 LEYLA Retractor System
 Separador de sistema LEYLA
 LEYLA Sistema di fissaggio



41802-00 LEYLA-Retraktor-System zum Fixieren am OP-Tisch komplett, bestehend aus:
 LEYLA Self-Retraining Retractor for fixation to operating table, complete, consisting of:
 Separador LEYLA para fijacion a la mesa de operaciones, completo, compuesto de:
 LEYLA Sistema di fissaggio al tavolo operatorio, composto da:

41843-50 Kugelgelenkkloben (1x)
 ball and socket joint (1x)
 articulacion esferica (1x)
 giunto per fissare (1x)

41850-41 starrer Haltearm (1x)
 rigid holding rod (1x)
 brazo de fijación rígido (1x)
 braccio di fissaggio rigido (1x)

41842-42 Kupplungskopf (1x)
 coupling head (1x)
 cabeza de acoplamiento (1x)
 giunto per combinare (1x)

41810-10 flexibler Spannarm (2x)
 flexible arm, only (2x)
 brazo flexible, suelto (2x)
 braccio flessibile, solo (2x)

41830-30 Spatelhalter für flache Spateln (2x)
 support for flat brain spatula (2x)
 soporte para espátulas cerebrales planas (2x)
 sostegno per spatole piatte (2x)

41880-01 CUSHING Hirnspatel (1x)
 CUSHING brain spatula (1x)
 CUSHING espátula para cerebro (1x)
 CUSHING spatola cerebrale (1x)

41880-02 CUSHING Hirnspatel (1x)
 CUSHING brain spatula (1x)
 CUSHING espátula para cerebro (1x)
 CUSHING spatola cerebrale (1x)

LEYLA Retraktor System
 LEYLA Retractor System
 Separador de sistema LEYLA
 LEYLA Sistema di fissaggio



41843-50 Kugelgelenkkloben
 zum Befestigen an der OP-Tisch-
 schiene und zur Aufnahme des
 Haltearms 41850-41
 ball and socket joint
 for fixation of holding rod 41850-41
 at the operating table
 articulacion esferica, para sujetar el
 brazo de soporte rigido sobre la
 mesa de operaciones 9 x 32 mm
 giunto per fissare il braccio, artico-
 lato 9 x 32 mm



41850-41 starrer Haltearm, auseinandernehmbar, zur Fixation im
 Kugelgelenkkloben 41843-50 und zur wahlweisen Auf-
 nahme der Kupplungsköpfe 41842-42, 41842-44 und
 41842-46
 holding rod, detachable, for fixation in ball and socket
 joint 41843-50 and to hold a desired coupling head
 41842-42, 41842-44 or 41842-46
 brazo de soporte rigido, desmontable, para fijacion a la
 articulacion esferica 41843-50 y opcionalmente a las
 cabezas 41842-42, 41842-44 y 41842-46
 braccio di sostegno rigido, per fissaggio al giunto
 41843-50 e dei giunti 41842-42, 41842-44 e 41842-46



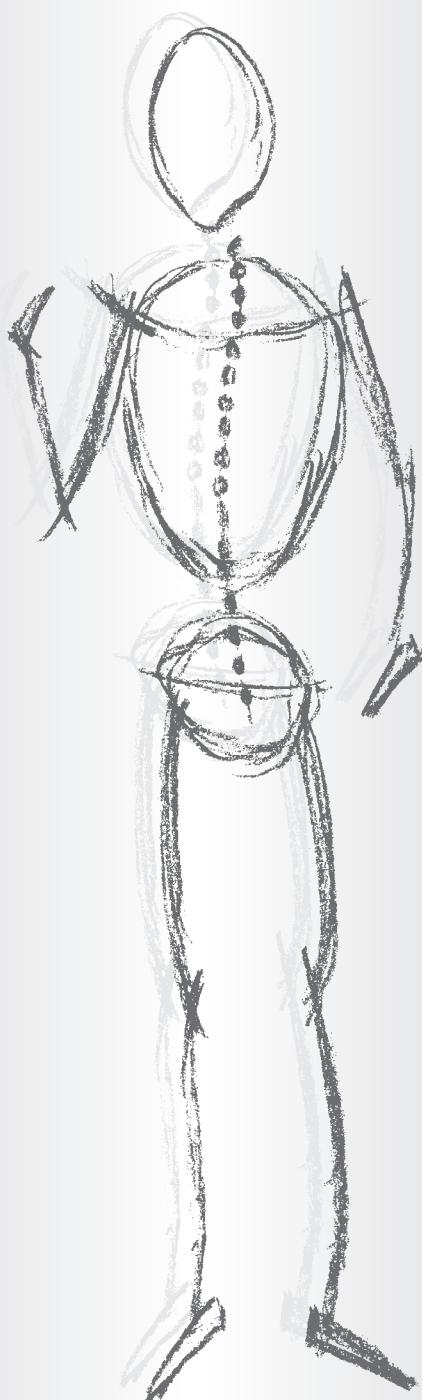
41842-42 Kupplungskopf, zur Aufnahme von
 max. 5 flexiblen Spannarmen
 41810-10
 coupling head to hold 5 flexible
 arms 41810-10
 cabeza de acoplamiento para fijar
 hasta 5 brazos flexibles
 giunto per combinare 5 bracci



41842-44 Kupplungskopf, drehbar, zur Aufnahme von 1 flexiblen
 Spannarm 41810-10
 coupling head, turnable, to hold 1 flexible arm 41810-10
 acoplamiento, girable y se puede fijar en todas las
 posturas para sujetar un brazo flexible 41810-10
 giunto per combinare, rotabile, per sostegno del braccio
 41810-10

41842-46 Kupplungskopf, seitlich offen zur Aufnahme von 1
 flexiblen Spannarm 41810-10
 coupling head, lateral open, to hold 1 flexible arm
 41810-10
 acoplamiento, abierto al lado, para un brazo flexible
 41810-10
 giunto per fissare il braccio, per 41810-10

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Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



STANZEN

PUNCHES

PINZAS SACABOCADO

PINZE LAMINOTOMO

REDA

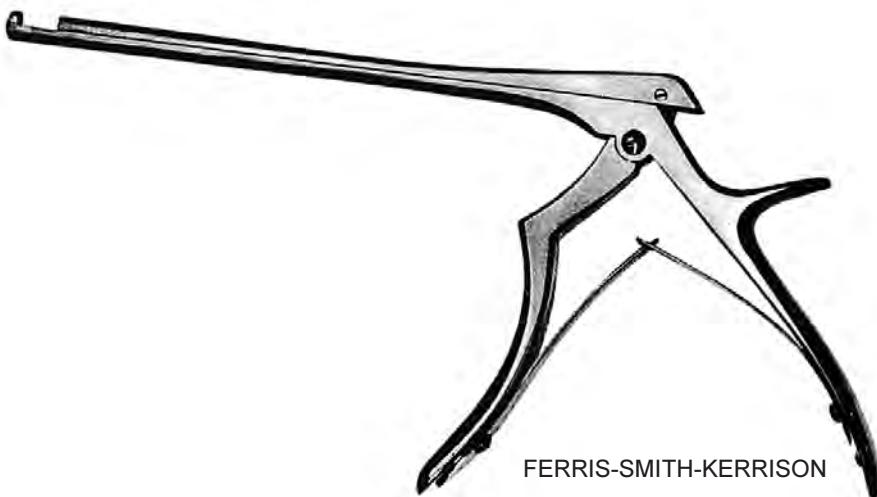
www.Redainstrumente.de

Bandscheibenstanzen

Intervertebral Disc Rongeurs

Pinzas sacabocado para discos intervertebrales

Pinze taglienti per dischi intervertebrali



90°

18 cm, 7"
20 cm, 8"

41510-01 1 mm
41513-01 1 mm

90°

41511-01 1 mm
41514-01 1 mm

40°

41512-01 1 mm
41515-01 1 mm

18 cm, 7"
20 cm, 8"

41510-02 2 mm
41513-02 2 mm

41511-02 2 mm
41514-02 2 mm

41512-02 2 mm
41515-02 2 mm

18 cm, 7"
20 cm, 8"

41510-03 3 mm
41513-03 3 mm

41511-03 3 mm
41514-03 3 mm

41512-03 3 mm
41515-03 3 mm

18 cm, 7"
20 cm, 8"

41510-04 4 mm
41513-04 4 mm

41511-04 4 mm
41514-04 4 mm

41512-04 4 mm
41515-04 4 mm

18 cm, 7"
20 cm, 8"

41510-05 5 mm
41513-05 5 mm

41511-05 5 mm
41514-05 5 mm

41512-05 5 mm
41515-05 5 mm

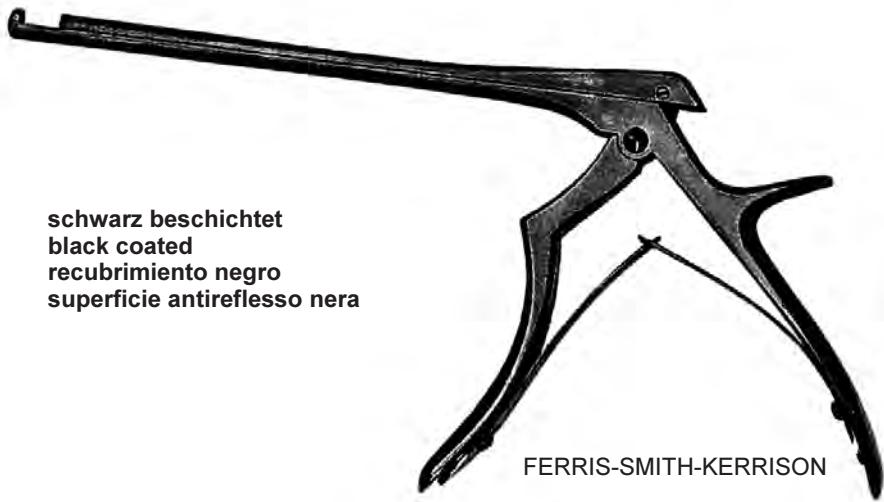
auch lieferbar mit Dünnfuß

also available with thin foot plate

tambien disponible con lámina de punzonar estrecha

anche disponibile con morso sottile

Bandscheibenstanzen
 Intervertebral Disc Rongeurs
 Pinzas sacabocado para discos intervertebrales
 Pinze taglienti per dischi intervertebrali



schwarz beschichtet
black coated
recubrimiento negro
superficie antireflesso nera

90°

18 cm, 7"
 20 cm, 8"



41510-01B 1 mm
 41513-01B 1 mm

40°

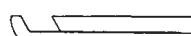


41512-01B 1 mm
 41515-01B 1 mm

18 cm, 7"
 20 cm, 8"

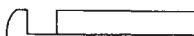


41510-02B 2 mm
 41513-02B 2 mm



41512-02B 2 mm
 41515-02B 2 mm

18 cm, 7"
 20 cm, 8"

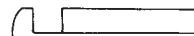


41510-03B 3 mm
 41513-03B 3 mm

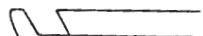


41512-03B 3 mm
 41515-03B 3 mm

18 cm, 7"
 20 cm, 8"



41510-04B 4 mm
 41513-04B 4 mm



41512-04B 4 mm
 41515-04B 4 mm

18 cm, 7"
 20 cm, 8"



41510-05B 5 mm
 41513-05B 5 mm



41512-05B 5 mm
 41515-05B 5 mm

Bandscheibenstanzen, zerlegbar

Intervertebral Disc Rongeurs, dismantable

Pinzas sacabocado para discos intervertebrales, desmontable

Pinze taglienti per dischi intervertebrali, smontabile a fucile



FERRIS-SMITH-KERRISON
18 cm, 7"

90°



41540-02 2 mm

41540-03 3 mm

41540-04 4 mm

41540-05 5 mm

130°



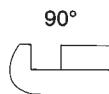
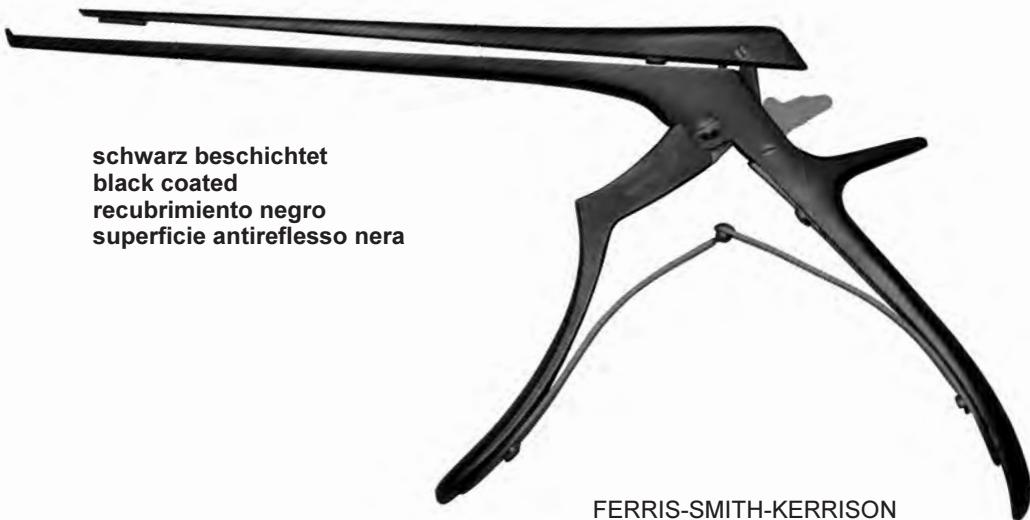
41542-02 2 mm

41542-03 3 mm

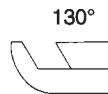
41542-04 4 mm

41542-05 5 mm

Bandscheibenstanzen, zerlegbar
Intervertebral Disc Rongeurs, dismontable
Pinzas sacabocado para discos intervertebrales, desmontable
Pinze taglienti per dischi intervertebrali, smontabile a fucile



| | |
|-----------|------|
| 41540-02B | 2 mm |
| 41540-03B | 3 mm |
| 41540-04B | 4 mm |
| 41540-05B | 5 mm |



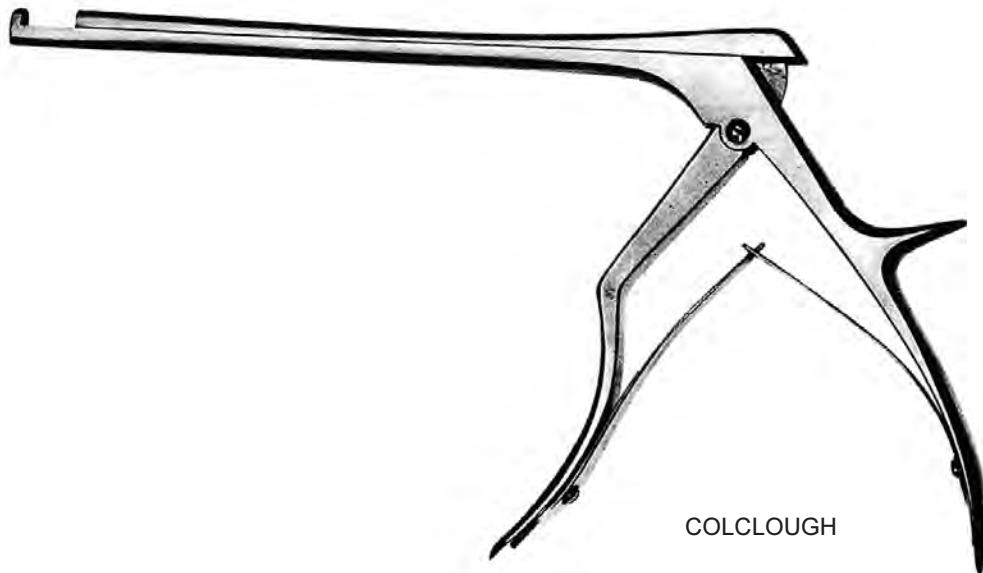
| | |
|-----------|------|
| 41542-02B | 2 mm |
| 41542-03B | 3 mm |
| 41542-04B | 4 mm |
| 41542-05B | 5 mm |

Bandscheibenstanzen

Intervertebral Disc Rongeurs

Pinzas sacabocado para discos intervertebrales

Pinze taglienti per dischi intervertebrali



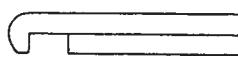
COLCLOUGH



3 mm
41520-03 15 cm, 6"
41522-03 20 cm, 8"



5 mm
41520-05 15 cm, 6"
41522-05 20 cm, 8"



3 mm
41524-03 15 cm, 6"
41526-03 20 cm, 8"



5 mm
41524-05 15 cm, 6"
41526-05 20 cm, 8"



3 mm
41527-03 15 cm, 6"
41529-03 20 cm, 8"

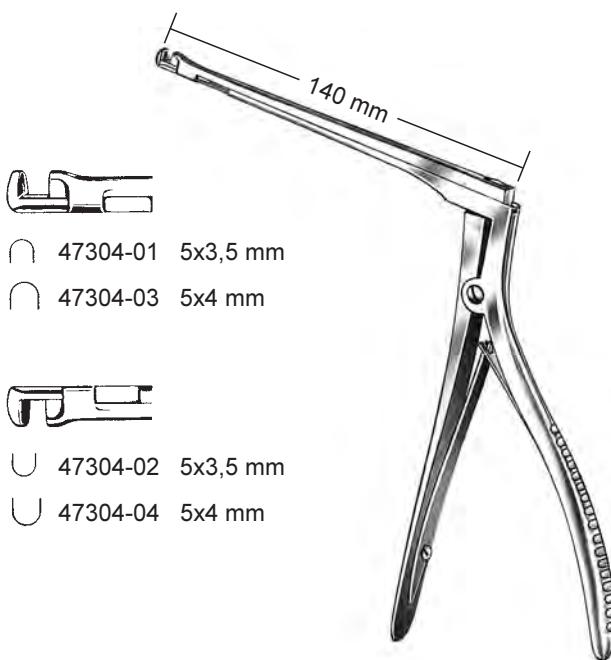


5 mm
41527-05 15 cm, 6"
41529-05 20 cm, 8"

Stanzen
Punches
Pinzas
Pinze-Punzoni



KERRISON
17 cm, 6 $\frac{3}{4}$ "
3x3 mm 47303-03
4x4 mm 47303-04
5x5 mm 47303-05
6x6 mm 47303-06



HAJEK-KOFLER
47304-01 - 47304-04

Stanzen
Punches
Pinzas
Pinze-Punzoni



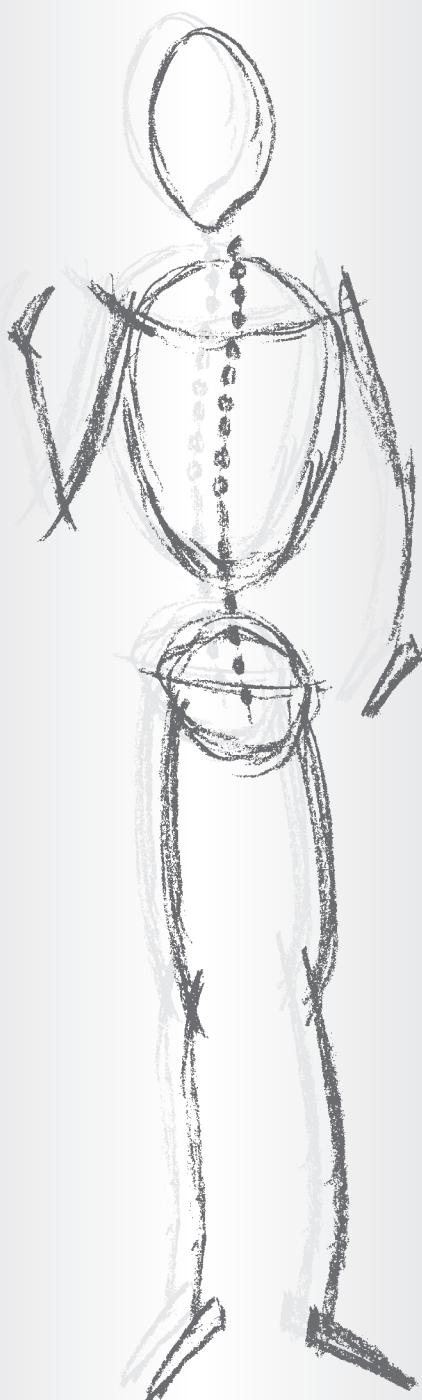
CITELLI

47311-10 1,0 mm
47311-25 2,5 mm
47311-30 3,0 mm



HAJEK-KOFLER
47316-16
3,5 mm

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CLIPS

CLIPS

CLIPS

CLIPS PER ANEURISMA

REDA

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YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
in high quality Implant steel antimagnetic
de acero inoxidable para implantes de alta calidad, antimagnético
Prodotto in acciaio di alta qualità, antimagnetico

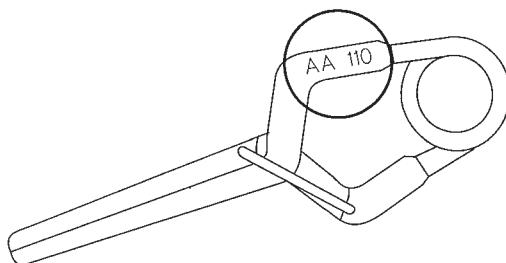
Features of the Clip

SERIAL-NUMBER

Each clip is coded with an individual serial number – marked by laser technology. The serial number guarantees a detailed follow-up of

- the whole production process
- the closure force
- from raw material to the final product

These informations are registered in our company for the period of 10 years.



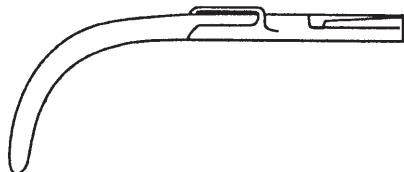
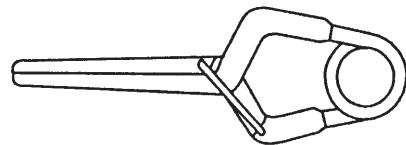
PACKING – LABELING

Each clip is individually packaged in a transparent box made of resistant plastic. Special wishes of customers regarding the packaging will be considered by us. This will be marked on an internal instruction.

The transparent box is marked with a label in order to assure a quick and sure identification of the clip.

On the label you can find the following data:

- catalogue number
- Product description
- Illustration
- Closing force in g
- Tolerance range of closing force
- Blade lenght
- Maximum opening
- Blade geometry
- Serial number
- Jaw profile
- Material description
- Lot number
- the notes "NOT STERILE"
- WARNING



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aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
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Features of the Clip

JAW-PROFILE

The rounded, pyramid-like structure is stamped into the jaw through a special step in production and prevents sharp edged which could perforate an aneurysm

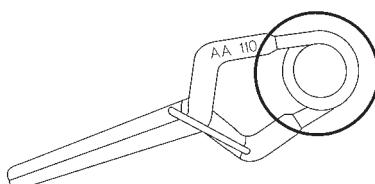
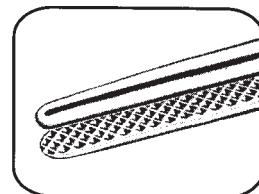
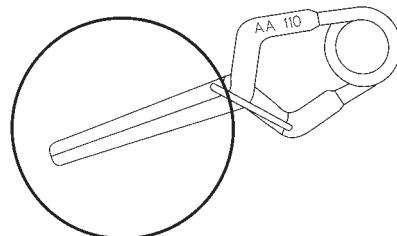
No edges or burrs through additional rounding of structures that border the clip outer side because of this, real atraumatic application of the clip

Increased surface area due to the pyramid-like design of the jaws inner surface the cross-like structure of the inner jaws pyramid surface doubles the tissue-holding area.

The applied pressure distributes itself evenly over the length of the jaw.

The convex closure of the clip assures an atraumatic and secure closure of the aneurysm.

Sliding of the clip is prevented.



SPRING-DESIGN

The spring size, which is different in the Standard and Mini clips, is the same within the same type of the Clip.

Through this, the highest degree of a secure fit is ensured by the clip applier (clip/clip applier fit)

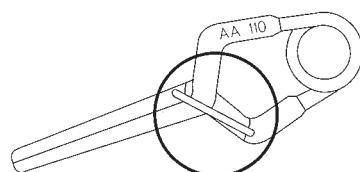
LINK-DESIGN

Laser welded

The link ensures the precise guidance of the jaws and a "soft" opening of the clip during the whole spreading process.

The contact surface of the jaws are guided symmetrically in an exact way "over the whole length" this fact guarantees an additional stability of the clip.

No over-stress of the material because the design of the link limits the maximum opening width.



YASARGIL – Aneurysmen – Gefäß – Clips
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Prodotto in acciaio di alta qualità, antimagnetico

Features of the Clip

CLOSING-FORCE

The closing force is measured at one third of the jaw lenght and an opening of 0,5 mm.

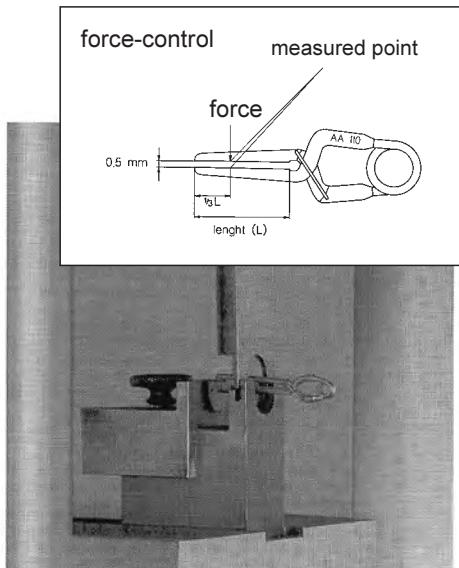
The final quality control of the clip is effected by a microprocessor-controlled measuring equipment.

The closing force is indicated exactly within a certain tolerance.

By the help of a special software program we assure that before the clip passes the final quality control its closure force is fixed.

As a consequence we exclude any kind of manipulation.

All relevant technical data are stored during the control procedure and printed on the label.



Material and Quality Assurance

According to DIN 17445, implant steel is used in the production of our Aneurysm Clip

High stability characteristics

Excellent tissue compatibility

Secure closure of blood vessels

Antimagnetic

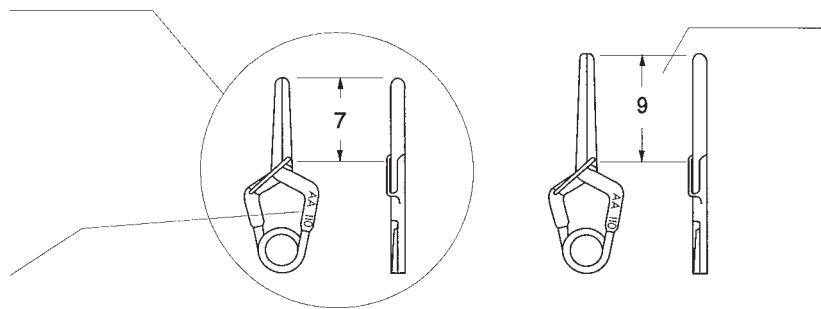
Ideally suited as implantation material

Security against over straining

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Erklärung zum Katalog-System
Instructions for the catalogue-system
Explicaciones para el sistema del catálogo
Esempio del sistema del catalogo

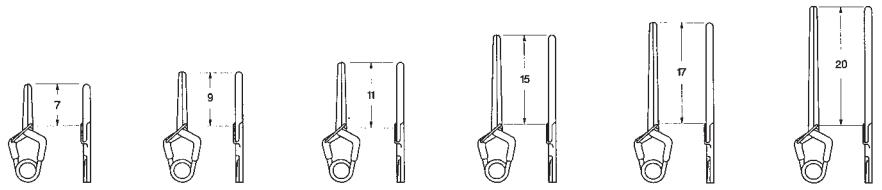


YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

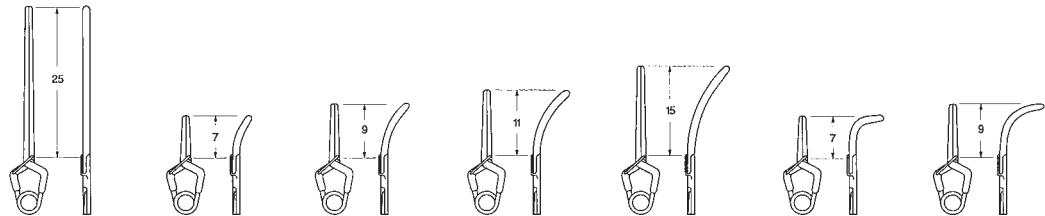
aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschluß
YASARGIL-STANDARD for permanent closure
YASARGIL-STANDARD para cierre permanente
YASARGIL-STANDARD con chiusura permanente

Standard



| | | | | | | |
|--------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
| Cat. Nr. | 41600-62 | 41600-70 | 41600-78 | 41600-92 | 41601-10 | 41601-11 |
| max. opening Force | 41600-62 T 6,2 mm 150 gms | 41600-70 T 7,0 mm 180 gms | 41600-78 T 7,8 mm 180 gms | 41600-92 T 9,2 mm 200 gms | 41601-10 T 10,6 mm 200 gms | 41601-11 T 11,4 mm 200 gms |



| | | | | | | |
|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 41601-13 | 41602-60 | 41602-68 | 41602-75 | 41602-87 | 41603-55 | 41603-61 |
| 41601-13 T 13,3 mm 200 gms | 41602-60 T 6,0 mm 150 gms | 41602-68 T 6,8 mm 180 gms | 41602-75 T 7,5 mm 180 gms | 41602-87 T 8,7 mm 200 gms | 41603-55 T 5,5 mm 150 gms | 41603-61 T 6,1 mm 180 gms |

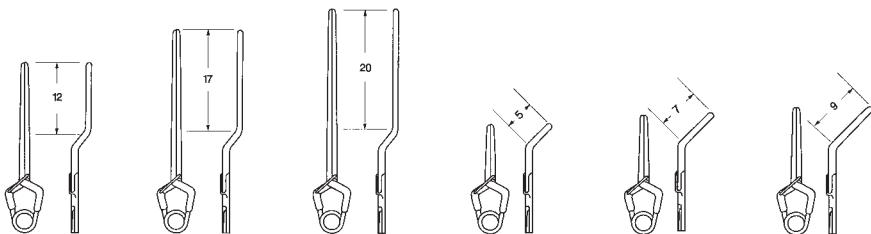
| | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 41603-65 | 41603-74 | 41604-54 | 41604-58 | 41604-62 | 41604-79 | 41604-87 |
| 41603-65 T 6,5 mm 180 gms | 41603-74 T 7,4 mm 200 gms | 41604-54 T 5,4 mm 180 gms | 41604-58 T 5,8 mm 180 gms | 41604-62 T 6,2 mm 180 gms | 41604-79 T 7,9 mm 200 gms | 41604-87 T 8,7 mm 200 gms |

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YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschluß
YASARGIL-STANDARD for permanent closure
YASARGIL-STANDARD para cierre permanente
YASARGIL-STANDARD con chiusura permanente

Standard



| | | | | | | |
|--------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Cat. Nr. | 41605-10 | 41605-12 | 41605-13 | 41606-62 | 41606-65 | 41606-78 |
| max. opening Force | 41605-10 T 10,2 mm 200 gms | 41605-12 T 11,9 mm 180 gms | 41605-13 T 13,0 mm 180 gms | 41606-62-T 6,2 mm 200 gms | 41606-65 T 6,5 mm 200 gms | 41606-78 T 7,8 mm 200 gms |

| | | | | | | |
|---|---|---|---|---|---|---|
| 41606-84 41606-84 T 8,4 mm 200 gms | 41607-56 41607-56 T 5,6 mm 200 gms | 41607-57 41607-57 T 5,6 mm 200 gms | 41607-58 41607-58 T 5,6 mm 200 gms | 41607-59 41607-59 T 5,4 mm 200 gms | 41607-60 41607-60 T 5,6 mm 200 gms | 41607-72 41607-72 T 7,2 mm 200 gms |
|---|---|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| 41607-73 41607-73 T 7,2 mm 200 gms | 41607-82 41607-82 T 8,2 mm 200 gms | 41608-57 41608-57 T 5,7 mm 200 gms | 41608-80 41608-80 T 8,0 mm 200 gms | 41609-70 41609-70 T 7,0 mm 200 gms |
|---|---|---|---|---|

YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
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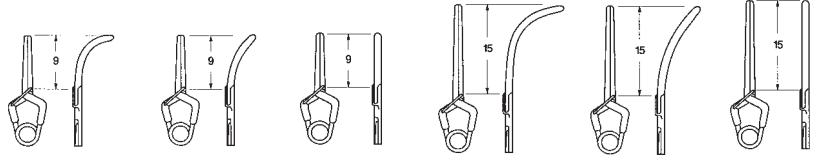
YASARGIL-STANDARD für temporären Verschluß

YASARGIL-STANDARD for temporary closure

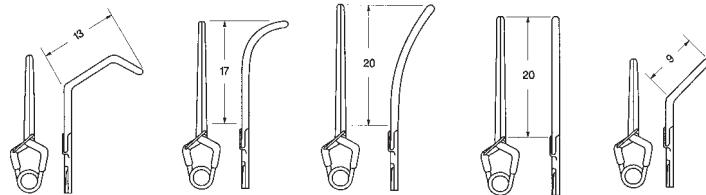
YASARGIL-STANDARD para cierre temporal

YASARGIL-STANDARD con chiusura temporanea

Standard



| | | | | | | |
|--------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Cat. Nr. | 41610-61 | 41610-68 | 41610-70 | 41611-74 | 41611-87 | 41611-92 |
| max. opening Force | 41610-61 T 6,1 mm 70 gms | 41610-68 T 6,8 mm 70 gms | 41610-70 T 7,0 mm 70 gms | 41611-74 T 7,4 mm 70 gms | 41611-87 T 8,7 mm 70 gms | 41611-92 T 9,2 mm 70 gms |



| | | | | |
|--------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|
| 41612-07 | 41612-09 | 41612-11 | 41612-12 | 41612-62 |
| 41612-07 T 7,5 mm 90 gms | 41612-09 T 9,9 mm 90 gms | 41612-11 T 11,0 mm 90 gms | 41612-12 T 11,4 mm 90 gms | 41612-62 T 6,2 mm 70 gms |

YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch

in high quality Implant steel antimagnetic

de acero inoxidable para implantes de alta calidad, antimagnético

Prodotto in acciaio di alta qualità, antimagnetico

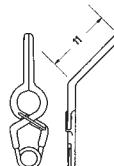
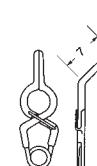
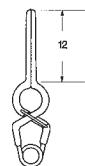
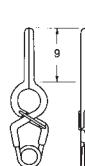
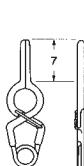
YASARGIL-STANDARD für permanenten Verschluß

YASARGIL-STANDARD for permanent closure

YASARGIL-STANDARD para cierre permanente

YASARGIL-STANDARD con chiusura permanente

Standard



Cat. Nr.

41613-74

41613-74 T

max. opening

7,4 mm

Force

150 gms

41613-84

41613-84 T

8,4 mm

150 gms

41613-96

41613-96 T

9,6 mm

180 gms

41614-58

41614-58 T

5,8 mm

150 gms

41614-65

41614-65 T

6,5 mm

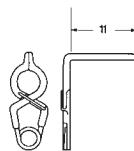
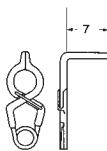
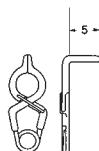
150 gms

41614-72

41614-72 T

7,2 mm

180 gms



41615-49

41615-50

41615-51

41615-49 T

41615-50 T

41615-51 T

4.9 mm

4.9 mm

4.9 mm

150 gms

150 gms

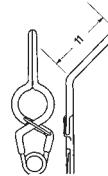
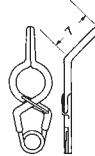
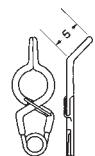
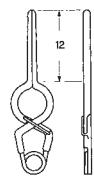
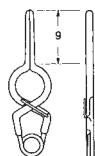
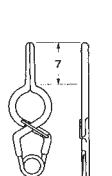
180 gms

YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

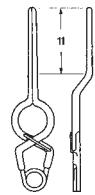
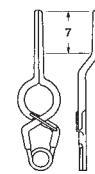
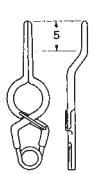
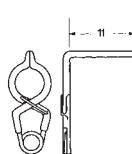
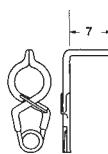
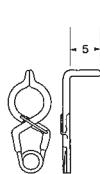
aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschluß
YASARGIL-STANDARD for permanent closure
YASARGIL-STANDARD para cierre permanente
YASARGIL-STANDARD con chiusura permanente

Standard



| | | | | | | |
|--------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Cat. Nr. | 41616-79 | 41616-91 | 41617-10 | 41617-65 | 41617-72 | 41617-78 |
| max. opening Force | 41616-79 T 7,9 mm 150 gms | 41616-91 T 9,1 mm 150 gms | 41617-10 T 10,3 mm 180 gms | 41617-65 T 6,5 mm 150 gms | 41617-72 T 7,2 mm 150 gms | 41617-78 T 7,8 mm 180 gms |



| | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|
| 41618-55 | 41618-56 | 41618-57 | 41618-79 | 41618-88 | 41619-00 |
| 41618-55 T 5,5 mm 150 gms | 41618-56 T 5,5 mm 150 gms | 41618-57 T 5,5 mm 180 gms | 41618-79 T 7,9 mm 150 gms | 41618-88 T 8,8 mm 150 gms | 41619-00 T 10,0 mm 180 gms |

YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch

in high quality Implant steel antimagnetic

de acero inoxidable para implantes de alta calidad, antimagnético

Prodotto in acciaio di alta qualità, antimagnetico

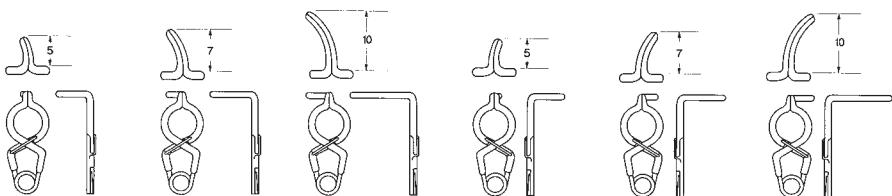
YASARGIL-STANDARD für permanenten Verschluß

YASARGIL-STANDARD for permanent closure

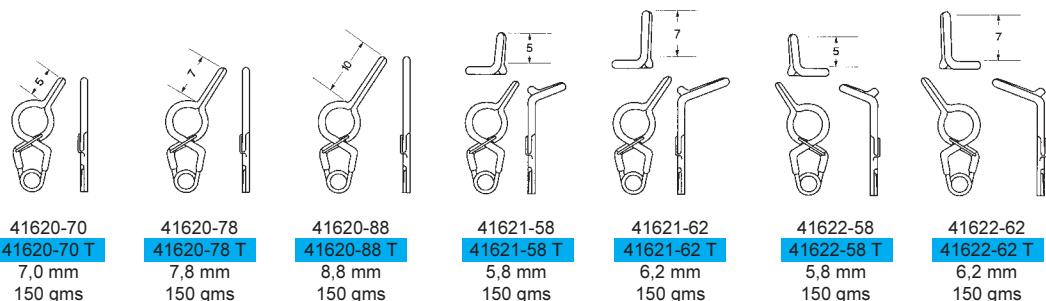
YASARGIL-STANDARD para cierre permanente

YASARGIL-STANDARD con chiusura permanente

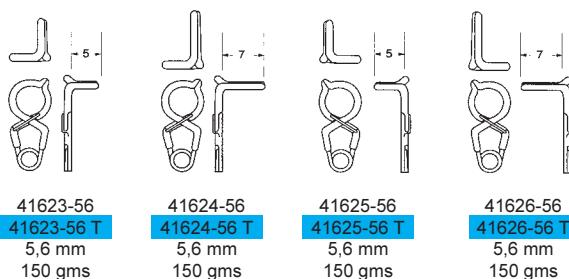
Standard



| | | | | | | |
|--------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Cat. Nr. | 41620-58 | 41620-59 | 41620-60 | 41620-61 | 41620-62 | 41620-63 |
| max. opening Force | 41620-58 T 5,8 mm 150 gms | 41620-59 T 5,8 mm 150 gms | 41620-60 T 5,8 mm 150 gms | 41620-61 T 5,8 mm 150 gms | 41620-62 T 5,8 mm 150 gms | 41620-63 T 5,8 mm 150 gms |



| | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 41620-70 | 41620-78 | 41620-88 | 41621-58 | 41621-62 | 41622-58 | 41622-62 |
| 41620-70 T 7,0 mm 150 gms | 41620-78 T 7,8 mm 150 gms | 41620-88 T 8,8 mm 150 gms | 41621-58 T 5,8 mm 150 gms | 41621-62 T 6,2 mm 150 gms | 41622-58 T 5,8 mm 150 gms | 41622-62 T 6,2 mm 150 gms |



| | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 41623-56 | 41624-56 | 41625-56 | 41626-56 |
| 41623-56 T 5,6 mm 150 gms | 41624-56 T 5,6 mm 150 gms | 41625-56 T 5,6 mm 150 gms | 41626-56 T 5,6 mm 150 gms |

YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschluß
YASARGIL-STANDARD for permanent closure
YASARGIL-STANDARD para cierre permanente
YASARGIL-STANDARD con chiusura permanente

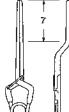
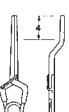
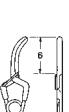
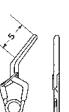
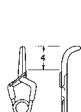
Mini



| | | | | | | |
|--------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Cat. Nr. | 41627-33 | 41627-40 | 41628-33 | 41628-40 | 41628-46 | 41629-32 |
| max. opening Force | 41627-33 T 3,3 mm 110 gms | 41627-40 T 4,0 mm 110 gms | 41628-33 T 3,3 mm 110 gms | 41628-40 T 4,0 mm 110 gms | 41628-46 T 4,6 mm 110 gms | 41629-32 T 3,2 mm 110 gms |



| | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 41629-38 | 41630-36 | 41630-38 | 41631-36 | 41631-40 | 41631-44 | 41632-36 |
| 41629-38 T 3,8 mm 110 gms | 41630-36 T 3,6 mm 110 gms | 41630-38 T 3,8 mm 110 gms | 41631-36 T 3,6 mm 110 gms | 41631-40 T 4,0 mm 110 gms | 41631-44 T 4,4 mm 110 gms | 41632-36 T 3,6 mm 110 gms |



| | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 41633-35 | 41633-40 | 41634-35 | 41634-60 | 41634-70 | 41635-57 | 41636-45 |
| 41633-35 T 3,5 mm 110 gms | 41633-40 T 4,0 mm 110 gms | 41634-35 T 3,5 mm 130 gms | 41634-60 T 6,0 mm 130 gms | 41634-70 T 7,0 mm 130 gms | 41635-57 T 5,7 mm 130 gms | 41636-45 T 4,5 mm 130 gms |

YASARGIL – Aneurysmen – Gefäß – Clips
YASARGIL – Aneurysm – Vessel – Clips
YASARGIL – Clips para aneurisma
YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch

in high quality Implant steel antimagnetic

de acero inoxidable para implantes de alta calidad, antimagnético

Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für temporären Verschluß

YASARGIL-STANDARD for temporary closure

YASARGIL-STANDARD para cierre temporal

YASARGIL-STANDARD con chiusura temporanea

Mini



Cat. Nr.

41637-33

41637-33 T

max. opening

3,3 mm

Force

50 gms

41637-40

41637-40 T

4,0 mm

50 gms

41638-38

41638-38 T

3,8 mm

50 gms

41638-46

41638-46 T

4,6 mm

70 gms

41639-44

41639-44 T

4,4 mm

70 gms

41640-40

41640-40 T

4,0 mm

70 gms

Anlegezange mit Rundgriff – FLEXIBEL – mit und ohne drehbarem Maulteil

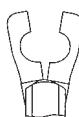
Applying forceps with round shaft – FLEXIBLE – with and without rotation

Pinzas de aplicación con mango redondo – FLEXIBLE – con y sin rotación

Posa clips con manico rotondo guaina flessibile con sistema rotante ed non rotante

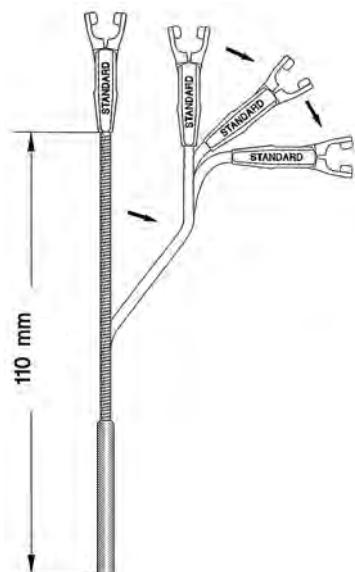
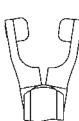
| Länge Length Largo Lunghezza | MINI | STANDARD |
|---------------------------------------|----------|----------|
| 70 mm | 41641-07 | 41643-07 |
| 90 mm | 41641-09 | 41643-09 |
| 110 mm | 41641-11 | 41643-11 |

nicht drehbar
non rotating
no giratorio
non rotante

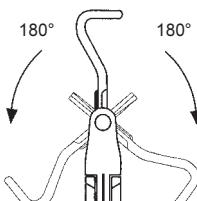


| Länge Length Largo Lunghezza | MINI | STANDARD |
|---------------------------------------|----------|----------|
| 70 mm | 41642-07 | 41644-07 |
| 90 mm | 41642-09 | 41644-09 |
| 110 mm | 41642-11 | 41644-11 |

drehbar
rotating
giratorio
rotante

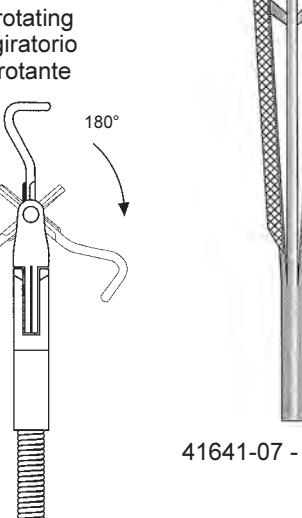


drehbar
rotating
giratorio
rotante



Beispiel für Drehmechanismus
Example for rotation
Ejemplo del mecanismo giratorio
Esempio della rotazione

Clips drehbar im Maul
Clips rotable in jaw
Clips giratorios en la boca
Clips rotabile nel morso



41641-07 - 41644-11

Anlegezange mit Rundgriff – starr – mit und ohne drehbarem Maulteil

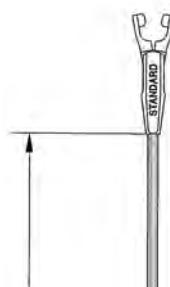
Applying forceps with round shaft – rigid – with and without rotation

Pinzas de aplicación con mango redondo – rígido – con y sin rotación

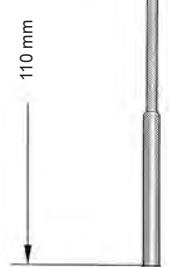
Posa clips con manico rotondo guaina rigida con sistema rotante ed non rotante

| | Länge Length Largo Lunghezza | MINI 70 mm 90 mm 110 mm | STANDARD 41645-07 41645-09 41645-11 |
|--|---------------------------------------|----------------------------------|--|
| nicht drehbar non rotating no giratorio non rotante | | | |
| drehbar rotating giratorio rotante | | | |
| drehbar rotating giratorio rotante | | | |

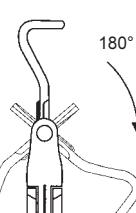
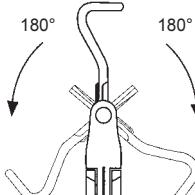
nicht drehbar
non rotating
no giratorio
non rotante



| | Länge Length Largo Lunghezza | MINI 70 mm 90 mm 110 mm | STANDARD 41646-07 41646-09 41646-11 |
|---|---------------------------------------|----------------------------------|--|
| drehbar rotating giratorio rotante | | | |
| drehbar rotating giratorio rotante | | | |
| drehbar rotating giratorio rotante | | | |



drehbar
rotating
giratorio
rotante



Beispiel für Drehmechanismus
Example for rotation
Ejemplo del mecanismo giratorio
Esempio della rotazione

Clips drehbar im Maul
Clips rotable in jaw
Clips giratorios en la boca
Clips rotabile nel morso



41645-07 - 41648-11

Anlegezange mit Rundgriff – starr – mit und ohne drehbarem Maulteil

Applying forceps with round shaft – rigid – with and without rotation

Pinzas de aplicación con mango redondo – rígido – con y sin rotación

Posa clips con manico rotondo guaina rigida con sistema rotante ed non rotante

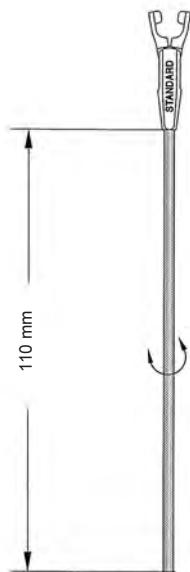
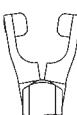
| Länge Length Largo Lunghezza | MINI 70 mm 90 mm 110 mm | STANDARD 41649-07 41649-09 41649-11 | 41651-07 41651-09 41651-11 |
|---------------------------------------|----------------------------------|--|----------------------------------|
|---------------------------------------|----------------------------------|--|----------------------------------|

nicht drehbar
non rotating
no giratorio
non rotante

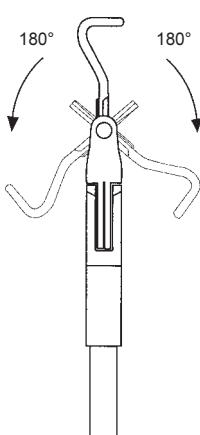
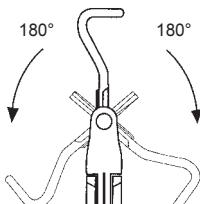


| Länge Length Largo Lunghezza | MINI 70 mm 90 mm 110 mm | STANDARD 41650-07 41650-09 41650-11 | 41652-07 41652-09 41652-11 |
|---------------------------------------|----------------------------------|--|----------------------------------|
|---------------------------------------|----------------------------------|--|----------------------------------|

drehbar
rotating
giratorio
rotante

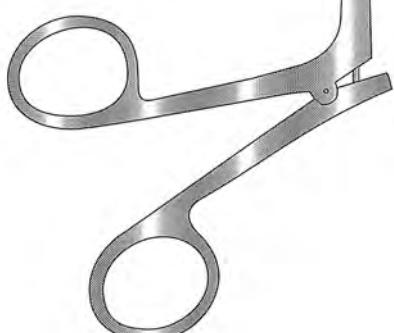


drehbar
rotating
giratorio
rotante



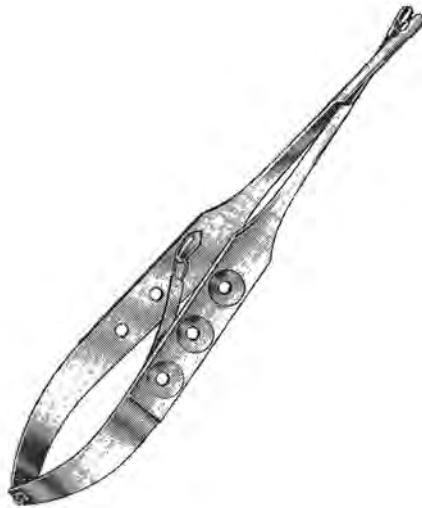
Beispiel für Drehmechanismus
Example for rotation
Ejemplo del mecanismo giratorio
Esempio della rotazione

Clips drehbar im Maul
Clips rotable in jaw
Clips giratorios en la boca
Clips rotabile nel morso



41649-07 - 41652-11

Anlegezange – mit und ohne drehbarem Maulteil
 Applying Forceps – with and without rotation
 Pinzas de aplicación, con y sin rotación
 Pinza posa clips, con ed senza rotazione



| | |
|----------|----------|
| MINI | 41653-18 |
| STANDARD | 41654-18 |
| MINI | 41655-18 |
| STANDARD | 41656-18 |

drehbar / rotating
 giratorio / rotante
 drehbar / rotating
 giratorio / rotante

Anlegezange gerade, mit Sperre, Länge 18 cm, 7"
 Applying Forceps straight, with ratchet, Length 18 cm, 7"
 Pinza de aplicación, con cremallera, 18 cm, 7"
 Posa clips, retta con bloccaggio lunghezza 18 cm, 7"



| Länge | | | |
|-----------|--------------------|-----------------------|-----------|
| Lenght | | | |
| Largo | | | |
| Lunghezza | 17 cm, 6 3/4" | 21 cm, 8 1/4" | 23 cm, 9" |
| MINI | 41657-17 | 41657-21 | 41657-23 |
| STANDARD | 41658-17 | 41658-21 | 41658-23 |
| MINI | 41659-17 | 41659-21 | 41659-23 |
| | drehbar / rotating | / giratorio / rotante | |
| STANDARD | 41660-17 | 41660-21 | 41660-23 |
| | drehbar / rotating | / giratorio / rotante | |

Clips drehbar im Maul
 Clips rotable in jaw
 Clips giratorios en la boca
 Clips rotabile nel morso

Anlegezange bayonett, mit Sperre
 Applying Forceps bayonet, with ratchet
 Pinza de aplicación bayoneta, con cremallera
 Posa clips a baionetta con bloccaggio

Gefäßclips nach BIEMER
 BIEMER Vessel Clips
 Clips para vasos de BIEMER
 Clips per vasi secondo BIEMER

| | Maulöffnung Opening | Maullänge Length of jaws | Schließkraft Closing Force |
|----------|---|---|--|
| 41661-40 | Apertura de la boca Apertura del morso 4,0 mm | Largo de la boca Lunghezza del morso 6,0 mm | Fuerza del cierre Forza di chiusura 30 - 40 g (0,29 - 0,39 N) |
| 41661-50 | | 5,0 mm | 30 - 40 g (0,29 - 0,39 N) |
| 41662-50 | | 5,0 mm | 20 - 25 g (0,20 - 0,25 N) |

für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden für Gefäße mit einem Durchmesser 0,5 - 2,0 mm

Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße

Der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion

(identified by yellow coloured spring ends) for vessel diam. 0,5 - 2,0 mm

Blade gripping surface with oblique serrations for save but careful gripping of vessels

No risk due to rigidly fixed pressure measure

para uso temporal

clips marcados con baño dorado en los resortes, para vasos con un diámetro de 0,5 - 2,0 mm

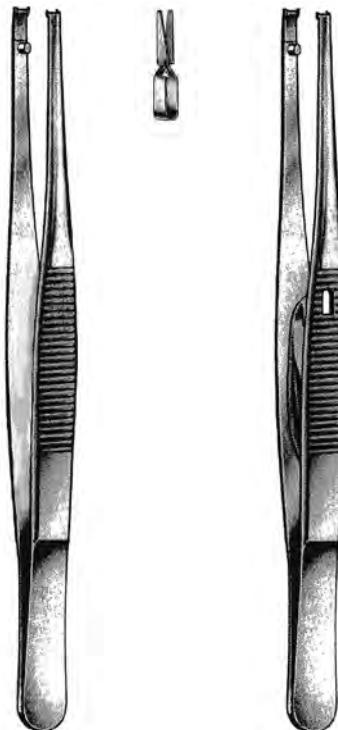
El interior de las quijadas viene con estrias finas para un agarre seguro y cuidadoso de los vasos

Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo

per chiusura temporanea

per vasi con Diametro 0,5 - 2,0 mm

La chiusura regolata garantisce nessun rischio



BIEMER
41663-01

Anlegepinzette ohne Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

Applying forceps without lock.
for vessel clips
41661-40 - 41662-50
and
Aproximators
41667-30 - 41670-50
and
41672-01 - 41672-04

BIEMER
41663-02

Anlegepinzette mit Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

Applying forceps with lock.
for vessel clips
41661-40 - 41662-50
and
Aproximators
41667-30 - 41670-50
and
41672-01 - 41672-04

Gefäßclips nach MEHDORN
 MEHDORN Vessel Clips
 Clips para vasos de MEHDORN
 Clips secondo MEHDORN

für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden für Gefäße mit einem Durchmesser 0,5 - 1,5 mm

Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße

Der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion

(identified by yellow coloured spring ends) for vessel diam. 0,5 - 1,5 mm

Blade gripping surface with oblique serrations for save but careful gripping of vessels

No risk due to rigidly fixed pressure measure

para uso temporal

clips marcados con baño dorado en los resortes, para vasos con un diámetro de 0,5 - 1,5 mm

El interior de las quijadas viene con estriadas finas para un agarre seguro y cuidadoso de los vasos

Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo

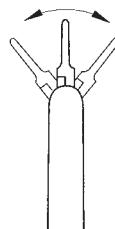
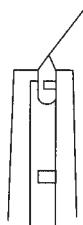
per chiusura temporanea

per vasi con Diametro 0,5 - 1,5 mm

La chiusura regolata garantisce nessun rischio



Beispiele für die variable Position des Clips
 Ejemplo para la variedad de la aplicación del clip
 Esempio: posizioni variabili delle clips



MEHDORN
 41666-00

Anlegepinzette für
 Mikro-Gefäßclips
 41664-10 - 41665-14



41664-10 4 x 1,0 mm

10 - 15 g
 (0,10 - 0,15 N)



41664-14 4 x 1,4 mm

15 - 20 g
 (0,15 - 0,20 N)



41665-10 6 x 1,0 mm

10 - 15 g
 (0,10 - 0,15 N)



41665-14 6 x 1,4 mm

15 - 20 g
 (0,15 - 0,20 N)

Pinza aplicadora para
 micro-vasos

41664-10 - 41665-14

Pinza posa clips per
 microvasi

41664-10 - 41665-14

Approximatoren nach Biemer-Müller
 Approximatores Biemer-Müller
 Aproximadores de Biemer-Müller
 Approssimatore secondo Biemer-Müller

für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden für Gefäße mit einem Durchmesser 0,5 - 2,0 mm
 Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße
 Der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion

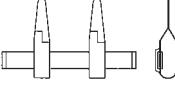
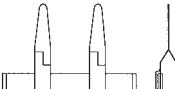
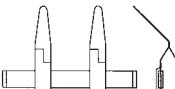
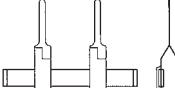
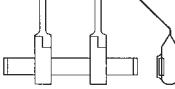
(identified by yellow coloured spring ends) for vessel diam. 0,5 - 2,0 mm
 Blade gripping surface with oblique serrations for save but careful gripping of vessels
 No risk due to rigidly fixed pressure measure

para uso temporal

clips marcados con baño dorado en los resortes, para vasos con un diámetro de 0,5 - 2,0 mm
 El interior de las quijadas viene con estrias finas para un agarre seguro y cuidadoso de los vasos
 Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo

per chiusura temporanea

per vasi con Diametro 0,5 - 2,0 mm
 La chiusura regolata garantisce nessun rischio

| | Maulöffnung Opening | Maullänge Length of jaws | Schließkraft Closing Force | | |
|---|---|--------------------------------|----------------------------------|------------------------------|---|
|  41667-30 | Apertura de la boca Apertura del morso | 3,0 mm | 4,5 mm | 30 - 40 g (0,29 - 0,39 N) |  BIEMER 41663-01 |
|  41667-50 | | 5,0 mm | 9,0 mm | 30 - 40 g (0,29 - 0,39 N) |  BIEMER 41663-02 |
|  41668-50 | | 5,0 mm | 9,0 mm | 30 - 40 g (0,20 - 0,25 N) | Anlegepinzette ohne Schloß, für Mikro-Gefäßclips 41661-40 - 41662-50 und Approximatoren 41667-30 - 41670-50 und 41672-01 - 41672-04 |
|  41669-50 | | 5,0 mm | 9,0 mm | 30 - 40 g (0,20 - 0,25 N) | Applying forceps without lock. for vessel clips 41661-40 - 41662-50 and Aproximatores 41667-30 - 41670-50 and 41672-01 - 41672-04 |
|  41670-50 | | 5,0 mm | 9,0 mm | 30 - 40 g (0,20 - 0,25 N) | Applying forceps with lock. for vessel clips 41661-40 - 41662-50 and Aproximatores 41667-30 - 41670-50 and 41672-01 - 41672-04 |

Approximatoren nach Müller
 Müller Approximators
 Aproximadores de Müller
 Approssimatore secondo Müller

für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden für Gefäße mit einem Durchmesser 0,5 - 2,0 mm
 Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße
 Der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion

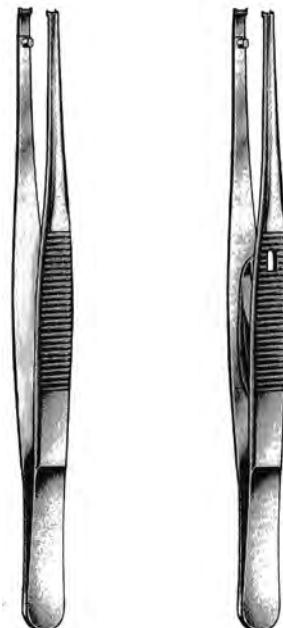
(identified by yellow coloured spring ends) for vessel diam. 0,5 - 2,0 mm
 Blade gripping surface with oblique serrations for save but careful gripping of vessels
 No risk due to rigidly fixed pressure measure

para uso temporal

clips marcados con baño dorado en los resortes, para vasos con un diámetro de 0,5 - 2,0 mm
 El interior de las quijadas viene con estrias finas para un agarre seguro y cuidadoso de los vasos
 Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo

per chiusura temporanea

per vasi con Diametro 0,5 - 2,0 mm
 La chiusura regolata garantisce nessun rischio



| | \varnothing Diameter | Schließkraft Closing Force Fuerza del cierre Forza di chiusura | BIEMER 41663-01 | BIEMER 41663-02 |
|----------|---------------------------|---|---|--|
| 41672-01 | 1,0 mm | 25 - 30 g (0,25 - 0,29 N) | Anlegepinzette ohne Schloß, für Mikro-Gefäßclips 41661-40 - 41662-50 und Approximatoren 41667-30 - 41670-50 und 41672-01 - 41672-04 | Anlegepinzette mit Schloß, für Mikro-Gefäßclips 41661-40 - 41662-50 und Approximatoren 41667-30 - 41670-50 und 41672-01 - 41672-04 |
| 41672-02 | 2,0 mm | 25 - 30 g (0,25 - 0,29 N) | Applying forceps without lock. for vessel clips 41661-40 - 41662-50 and Aproximators 41667-30 - 41670-50 and 41672-01 - 41672-04 | Applying forceps with lock. for vessel clips 41661-40 - 41662-50 and Aproximators 41667-30 - 41670-50 and 41672-01 - 41672-04 |
| 41672-03 | 3,0 mm | 25 - 30 g (0,25 - 0,29 N) | Applying forceps without lock. for vessel clips 41661-40 - 41662-50 and Aproximators 41667-30 - 41670-50 and 41672-01 - 41672-04 | Applying forceps with lock. for vessel clips 41661-40 - 41662-50 and Aproximators 41667-30 - 41670-50 and 41672-01 - 41672-04 |
| 41672-04 | 4,0 mm | 25 - 30 g (0,25 - 0,29 N) | Applying forceps without lock. for vessel clips 41661-40 - 41662-50 and Aproximators 41667-30 - 41670-50 and 41672-01 - 41672-04 | Applying forceps with lock. for vessel clips 41661-40 - 41662-50 and Aproximators 41667-30 - 41670-50 and 41672-01 - 41672-04 |

Gefäßclips nach Müller
 Müller Vessel Clips
 Clips para vasos de Müller
 Clip secondo Müller

für temporären Gebrauch

Maulinnenflächen pyramidenförmig
 für schonendes, sicheres Festhalten
 der Gefäße

Der fest eingestellte Schließdruck
 gewährt risikofreie Anwendung



41674-50 50 g

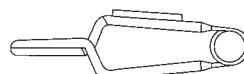


41674-80 80 g

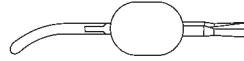
for temporary occlusion

Blade gripping surface with pyramid-like impressions for save but careful gripping of vessels

No risk due to rigidly fixed pressure measure



41675-50 50 g



41675-80 80 g

para uso temporal

El interior de las quijadas viene en forma de pirámide para un agarre seguro y cuidadoso de los vasos.

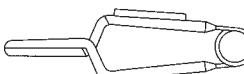
Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo.



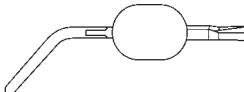
41676-50 50 g



41676-80 80 g



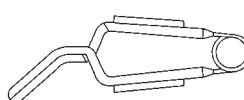
41677-50 50 g



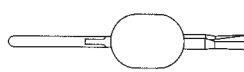
41677-80 80 g

per uso temporaneo

Morso interno con forma piramidale per garantire una chiusura sicura del vaso



41678-50 50 g



41678-80 80 g

Schließkraft
 Closing Force
 Fuerza del cierre
 Forza di chiusura

Approximator nach Biemer
 Biemer Approximator
 Aproximadores de Biemer
 Approssimatore secondo BIEMER

für Mikro-Gefäßanastomosen im oberflächlichem Bereich
 Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten
 der Gefäße

Der fest eingestellte Schließdruck gewährt risikofreie Anwendung
 Der Abstand zwischen den Clips ist durch einfaches Verschieben
 einzustellen und wird durch Verkanten fixiert

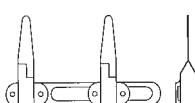
for micro vessel anastomosis in the superficial range
 Blade gripping surface with oblique serrations for save but careful
 gripping of vessels
 No risk due to rigidly fixed pressure measure
 Adjustable distance between the clips and automatic fixation by tilting

para micro-anastomosis en la superficie
 El interior de la quijada viene con estrias finas para un agarre seguro
 y cuidadoso de los vasos.
 Debido a la calibración exacta de la fuerza de cierre se ofrece una
 aplicación sin riesgo.
 El espacio entre los clips se logra fácilmente por el desplazamiento.

per micro vasi anastomosi sulla parte della superficie
 Parte interna del morso è leggermente striata obliqua per ottenere la
 presa sulla superficie del vaso.
 La chiusura regolata garantisce nessun rischio.
 Lo scorrimento delle due clips viene regolato con semplice
 movimento che consente una chiusura ottimale.



BIEMER
 41680-00



Schließkraft
 Closing Force
 Fuerza de cierre
 Forza di chiusura
 41679-25 25 - 30 g
 (0,25 - 0,29 N)

Anlegepinzette für
 Gefäß-Approximator
 nach BIEMER
 Applying forceps for
 BIEMER vessel
 approximator
 Pinza aplicadora
 para aproximadores
 de BIEMER
 Pinza posa clips per
 vasi approssimatori
 secondo BIEMER

Mikro-Gefäßclips
Micro Vessel Clips
Micro Clips vasculares
Micro Clips vascolari



BIEMER
41679-00

Nerv-Approximator komplett mit Schlüssel 41690-01
Approximator for nerves complete with key 41690-01
Aproximador para nervios, completo con llave 41690-01
Approssimatore per nervi completo di chiave 41690-01

41679-01
Nadeln allein (Paar)
Needle only (pair)
Agujas sueltas (par)
Aghi soli (paio)



BIEMER
41690-00

Approximator mit einstellbarem Clip-Abstand und Druck,
komplett mit Schlüssel 41690-01

Approximator with adjustable clip distance and pressure,
complete with key 41690-01

Aproximador con distancia de clip y presión ajustable,
completo con llave 41690-01

Approssimatore con distanza per clip e pressione regolabile,
completo di chiave 41690-01



41690-01
Ersatzschlüssel
für Approximator 41679-00 + 41690-00
Replacement key
for approximator 41679-00 + 41690-00
Llave de repuesto
para el aproximador 41679-00 + 41690-00
Chiave di ricambio
per approssimatore 41679-00 + 41690-00

Sterilisations- und Lagerungscontainer

Sterilisation and Utility Tray Storage

Contenedor para esterilizacion y almacenaje

Container dotato di alloggi interni per la conservazione e la sterilizzazione degli instrumenti

41700-01

528 x 254 x 40 mm



Clip Lagertray für 58 Y-Aneurysmenclips,
Kunststoff, dampfsterilisierbar bis 3 bar
(143° C / 289° F)

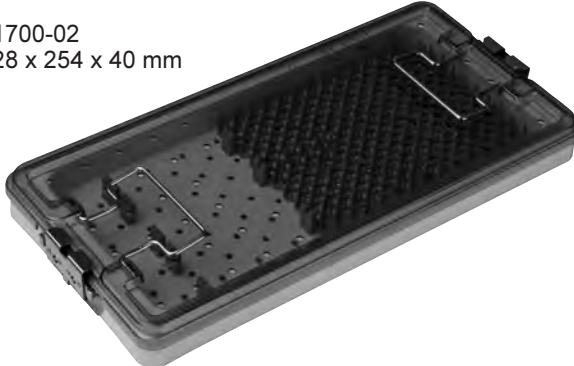
Storage tray for 58 Y-Aneurysm-Clips, with lid
made out of PPSU

Cesta de plastico para almacenaje de
58 Y-clips de aneurisma

Containitore di plastica con 58 alloggi per clip
per aneurisma. Resistente in autoclave fino a
3 bar (143° C / 289° F)

41700-02

528 x 254 x 40 mm



Lagertray für Clipanlegezangen und Instru-
mente, Kunststoff, dampfsterilisierbar bis
3 bar (143° C / 289° F).

Storage tray for clip appliers and instruments,
stacking system, made out of PPSU, for steam
sterilisation up to 3 bar (143° C / 289° F)

Cesta de plastico para almacenaje de pinzas
aplicadoras y instrumentos, para esteriliza-
cion de vapor hasta 3 bar (143° C / 289° F).

Containitore di plastica per pinza applicatore
clips e strumentario. Resistente in autoclave
3 bar (143° C / 289° F)

Sterilisations- und Lagerungscontainer

Sterilisation and Utility Tray Storage

Contenedor para esterilizacion y almacenaje

Container dotato di alloggi interni per la conservazione e la sterilizzazione degli instrumenti

41700-03

528 x 254 x 40 mm



Lagertray für 23 Y-Aneurysmenclips und Clip-anlegezangen Kunststoff mit Deckel, dampfsterilisierbar bis 3 bar (143° C / 289° F)

Storage tray for 23 Y-Aneurysmen-Clips and clip applicators, stacking system, with lid made out of PPSU, for steam sterilisation up to 3 bar (143° C / 289° F)

Cesta de plastico con tapa para almacenaje de 23 Y-clips de aneurisma y pinzas aplicadoras, para esterilizacion de vapor hasta 3 bar (143° C / 289° F)

Containitore di plastica dotato di alloggio per 23 clips per aneurisma e pinza posa clips con coperchio. Resistente in autovlave 3 bar (143° C / 289° F)



41700-04

150 x 95 x 13 mm

mit 18 Vertiefungen

space for 18 Clips

con espacio para 18 clips

con cavita per 18 clips



41700-05

210 x 125 x 17 mm

mit 42 Vertiefungen

space for 42 Clips

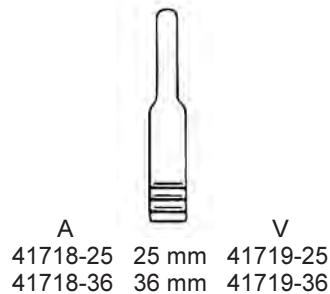
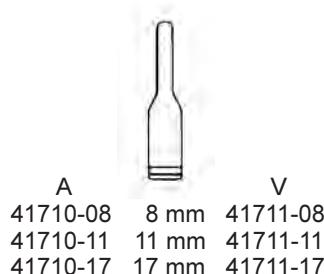
con espacio para 42 clips

con cavita per 42 clips

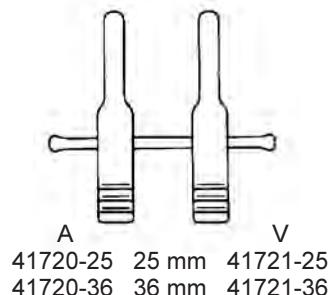
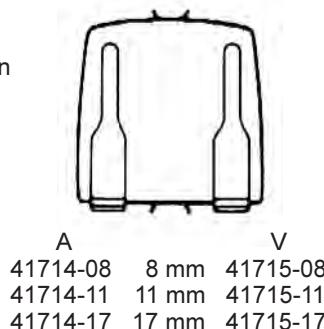
**“Neue Form” NS
“New Style” NS
“Nueva Forma” NS
“Nuove Forme” NS**

ACLAND Mikro-Gefäßclips
ACLAND Micro Vessel Clips
ACLAND Micro Clips vasculares
ACLAND Micro Clips vasculari

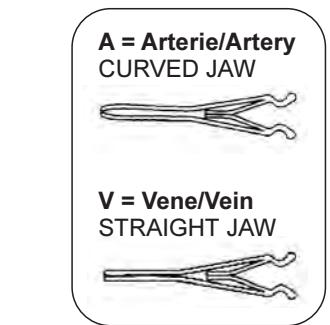
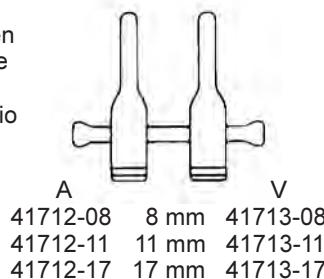
Einzelklemmen
Single Clamps
Single clamp
Pinza singola



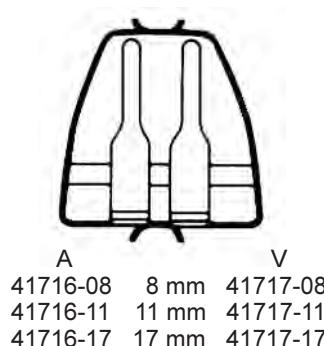
Doppelklemme mit Rahmen
Double Clamps with frame
Clamp doble con marco
Pinza doppia con telaio



Approximator ohne Rahmen
Approximator without frame
Aproximador sin marco
Approssimatore senza telaio



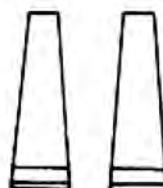
Approximator mit Rahmen
Approximator with frame
Aproximador con marco
Approssimatore con telaio



ACLAND Mikro-Gefäßclips
 ACLAND Micro Vessel Clips
 ACLAND Micro Clips vasculares
 ACLAND Micro Clips vasculari

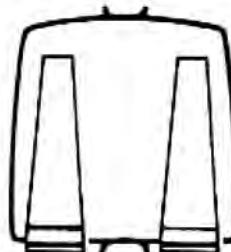
“Alte Form” OS
“Classic Style” OS
“Forma antigua” OS
“Vecchia tipologia” OS

Einzelklemmen
 Single Clamps
 Single clamp
 Pinza singola



| A | V |
|----------|----------------|
| 41722-08 | 8 mm 41723-08 |
| 41722-11 | 11 mm 41723-11 |
| 41722-14 | 14 mm 41723-14 |
| 41722-17 | 17 mm 41723-17 |
| 41722-23 | 23 mm 41723-23 |

Doppelklemme mit Rahmen
 Double Clamps with frame
 Clamp doble con marco
 Pinza doppia con telaio



| A | V |
|----------|----------------|
| 41726-08 | 8 mm 41727-08 |
| 41726-11 | 11 mm 41727-11 |
| 41726-14 | 14 mm 41727-14 |
| 41726-17 | 17 mm 41727-17 |
| 41726-23 | 23 mm 41727-23 |

A = Arterie/Artery
CURVED JAW



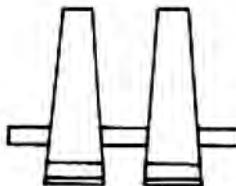
V = Vene/Vein
STRAIGHT JAW



"Alte Form" OS
"Classic Style" OS
"Forma antigua" OS
"Vecchia tipologia" OS

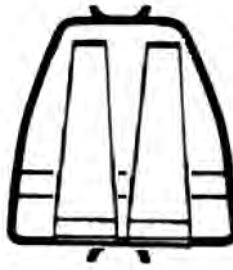
ACLAND Mikro-Gefäßclips
 ACLAND Micro Vessel Clips
 ACLAND Micro Clips vasculares
 ACLAND Micro Clips vasculari

Approximator ohne Rahmen
 Approximator without frame
 Aproximador sin marco
 Approssimatore senza telaio



| A | V |
|----------|----------------|
| 41724-08 | 8 mm 41725-08 |
| 41724-11 | 11 mm 41725-11 |
| 41724-14 | 14 mm 41725-14 |
| 41724-17 | 17 mm 41725-17 |
| 41724-23 | 23 mm 41725-23 |

Approximator mit Rahmen
 Approximator with frame
 Aproximador con marco
 Approssimatore con telaio



| A | V |
|----------|----------------|
| 41728-08 | 8 mm 41729-08 |
| 41728-11 | 11 mm 41729-11 |
| 41728-14 | 14 mm 41729-14 |
| 41728-17 | 17 mm 41729-17 |
| 41728-23 | 23 mm 41729-23 |

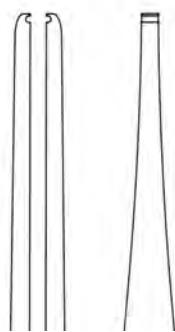
A = Arterie/Artery
CURVED JAW



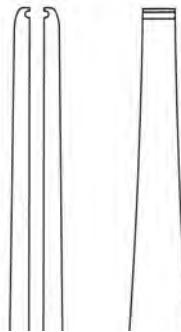
V = Vene/Vein
STRAIGHT JAW



Clip-Anlegepinzetten für ACLAND-Clips
Clip Applying Forceps for ACLAND clips
Pinzas aplicadora para clips ACLAND
Pinze per applicare clips di ACLAND



1 - 11 mm



14 - 36 mm

ACLAND
41730-15
14,5 cm 5 3/4"

ACLAND
41731-15
14,5 cm 5 3/4"

Clipanlegezangen für die offene Chirurgie 25° aufgebogen
 Clip Appliers for open Surgery 25° upcurved
 Pinza aplicadora de clips para cirugía abierta con ángulo de 25°
 Pinza applicatore clips per chirurgia aperta, curva in alto 25°



15 cm, 6"

Horizon

61460-15 Small gelb / yellow / jaune / amarillo / giallo
 61461-15 Medium blau / blue / bleu / azul / blu

SLS Clips

61464-15 Micro weiss / white / blanc / blanco / bianco
 61465-15 Small gelb / yellow / jaune / amarillo / giallo
 61466-15 Small medium lila / lilac / lilas / lila / lilla
 61467-15 Medium blau / blue / bleu / azul / blu

Ethicon

61470-15 Small blau / blue / bleu / azul / blu
 61471-15 Medium weiss / white / blanc / blanco / bianco

Pilling

61481-15 Small gelb / yellow / jaune / amarillo / giallo
 61482-15 Medium blau / blue / bleu / azul / blu

Horizon

61460-19 Small gelb / yellow / jaune / amarillo / giallo
 61461-19 Medium blau / blue / bleu / azul / blu
 61462-19 Medium Large grün / green / verde / verde
 61463-19 Large orange / naranja / arancione

SLS Clips

61464-19 Micro weiss / white / blanc / blanco / bianco
 61465-19 Small gelb / yellow / jaune / amarillo / giallo
 61466-19 Small medium lila / lilac / lilas / lila / lilla
 61467-19 Medium blau / blue / bleu / azul / blu
 61468-19 Medium Large grün / green / verde / verde
 61469-19 Large orange / naranja / arancione

Ethicon

61470-19 Small blau / blue / bleu / azul / blu
 61471-19 Medium weiss / white / blanc / blanco / bianco
 61472-19 Medium Large grün / green / verde / verde
 61473-19 Large gelb / yellow / jaune / amarillo / giallo

Pilling

61481-19 Small gelb / yellow / jaune / amarillo / giallo
 61482-19 Medium blau / blue / bleu / azul / blu
 61484-19 Medium Large grün / green / verde / verde
 61483-19 Large orange / naranja / arancione



19 cm, 7 1/2"

Clipanlegezangen für die offene Chirurgie 25° aufgebogen
Clip Appliers for open Surgery 25° upcurved
Pinza aplicadora de clips para cirugía abierta con ángulo de 25°
Pinza applicatore clips per chirurgia aperta, curva in alto 25°

Horizon

61461-28 Medium blau / blue / bleu / azul / blu
61462-28 Medium Large grün / green / verde / verde
61463-28 Large orange / naranja / arancione

SLS Clips

61464-28 Micro weiss / white / blanco / bianco
61465-28 Small gelb / yellow / jaune / amarillo / giallo
61466-28 Small medium lila / lilac / lilas / lila / lilla
61467-28 Medium blau / blue / bleu / azul / blu
61468-28 Medium Large grün / green / verde / verde
61469-28 Large orange / naranja / arancione

Ethicon

61471-28 Medium weiss / white / blanco / bianco
61472-28 Medium Large grün / green / verde / verde
61473-28 Large gelb / yellow / jaune / amarillo / giallo

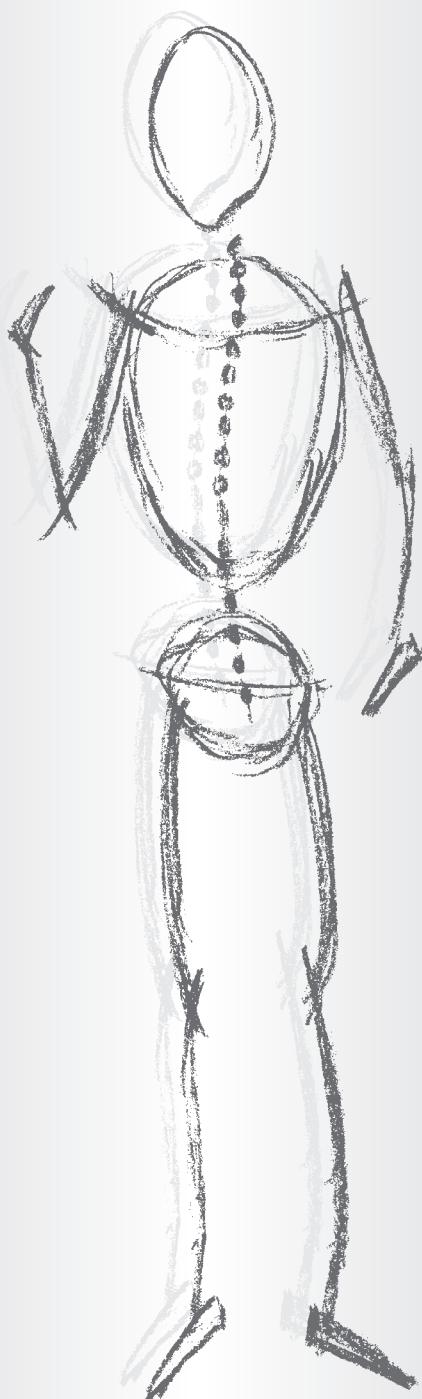
Pilling

61482-28 Medium blau / blue / bleu / azul / blu
61484-28 Medium Large grün / green / verde / verde
61483-28 Large orange / naranja / arancione



28 cm, 11"

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BOHRAPPARATE

BONE HAND DRILLS

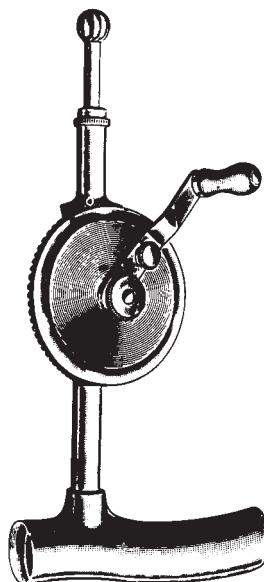
PERFORADORES DE MANO

PERFORATORI A MANO

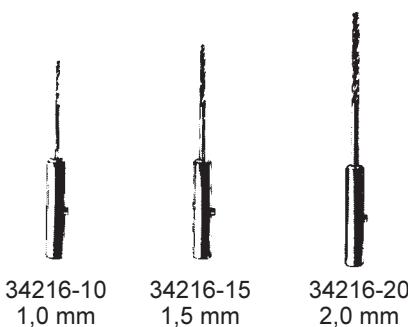
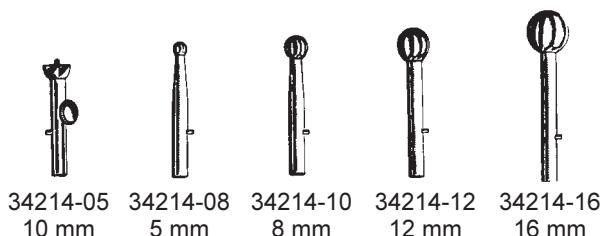
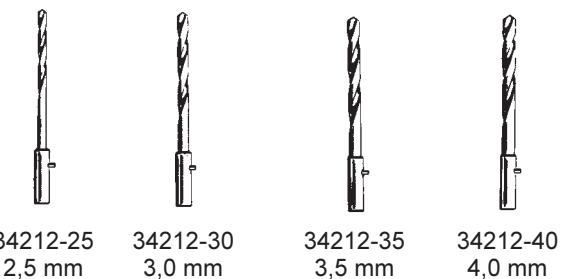
REDA

www.Redainstrumente.de

Bohrapparate
Bone Hand Drills
Perforadores de mano
Perforatori a mano



STILLE
34210-20 20 cm, 8"
compl. incl. 34212-25 - 34214-16



Bohrapparate
Bone Hand Drills
Perforadores de mano
Perforatori a mano



STILLE-SHERMAN
34220-24 24 cm, 9 1/2"
compl. incl. 34222-25 - 34222-35

34222-25
2,5 mm

34222-30
3,0 mm

34222-35
3,5 mm



MOORE
34230-28 28 cm, 11"
compl. incl. 34232-00

Bohrapparate
Bone Hand Drills
Perforadores de mano
Perforatori a mano

34241-00
Griff allein
Handle only
Mango solo
Manico solo



HUDSON
34240-27
27 cm, 10 1/2"
compl. incl.
34242-09, -14, -16, -22,
34246-00



34242-09
9 mm

34242-14
14 mm



34242-16
16 mm

34242-22
22 mm



Verlängerungsstück
Extension piece
Pieza alargadera
Giunto di prolungamento

34246-00



Ø 2 mm
34243-02



CUSHING
34244-10
34244-14
34244-16

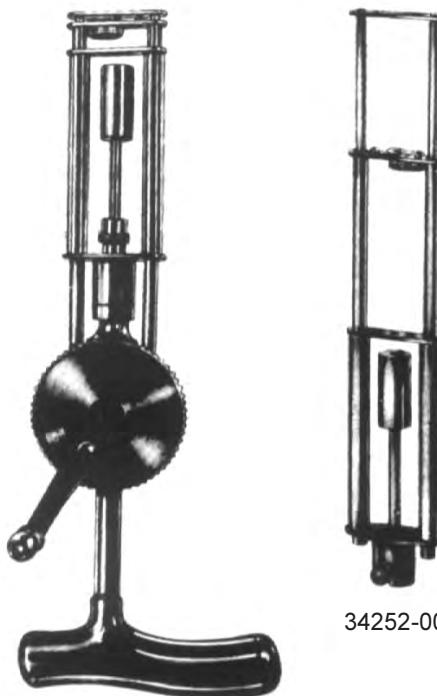


ERRICO
34244-17
Ø 16 mm



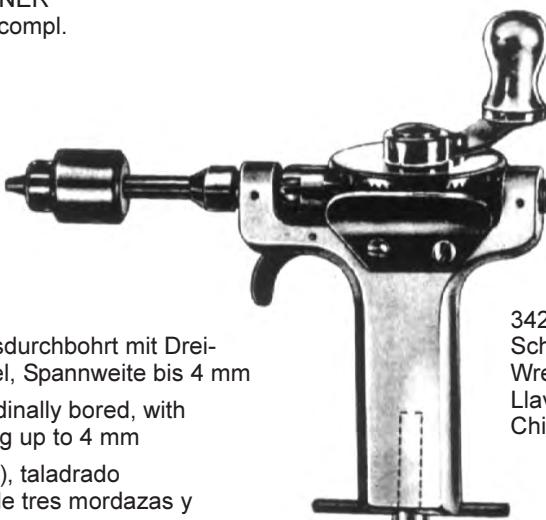
MC KENZIE
34248-00
Ø 13 mm

Bohrapparate
Bone Hand Drills
Perforadores de mano
Perforatori a mano



34252-00

KIRSCHNER
34250-00 compl.



34270-01
Schlüssel
Wrench
Llave
Chiave

Bohrapparat 16 cm (6 1/4"), längsdurchbohrt mit Drei-backenspannfutter und Schlüssel, Spannweite bis 4 mm

Hand drill, 16 cm (6 1/4"), longitudinally bored, with three-jaw-chuck and key, opening up to 4 mm

Perforador manual, 16 cm (6 1/4"), taladrado longitudinalmente, con mandril de tres mordazas y llave, apertura hasta 4 mm

Perforatore a mano, 16 cm (6 1/4"), con perforazione assiale, con mandrino a tre ganasce e chiave, apertura fino a 4 mm di D.

BUNELL
34270-00
16 cm, 6 1/4"

Bohrapparate
Bone Hand Drills
Perforadores de mano
Perforatori a mano



RALK
34280-00

Bohrapparat mit Leichtmetallgehäuse,
mit Dreibackenspannfutter und
Schlüssel, Spannweite bis D. 6,35 mm

Hand drill with light metal case, with
three-jaw-chuck and key, opening up to
D. 6,35 mm

Perforador manual con caja de metal
ligero, con mandril de tres mordazas y
llave, apertura hasta Ø 6,35 mm

Perforatore a mano con cassa in metallo
leggero, con mandrino a tre ganasce e
chiave, apertura fino a 6,35 mm di D.



REDA
34290-00

Handbohrapparat mit umstellbarem
Handgriff, mit Jacobs Dreibackenspann-
futter und Schlüssel

Hand drill with adjustable handle, with
Jacobs three-jaw-chuck and wrench

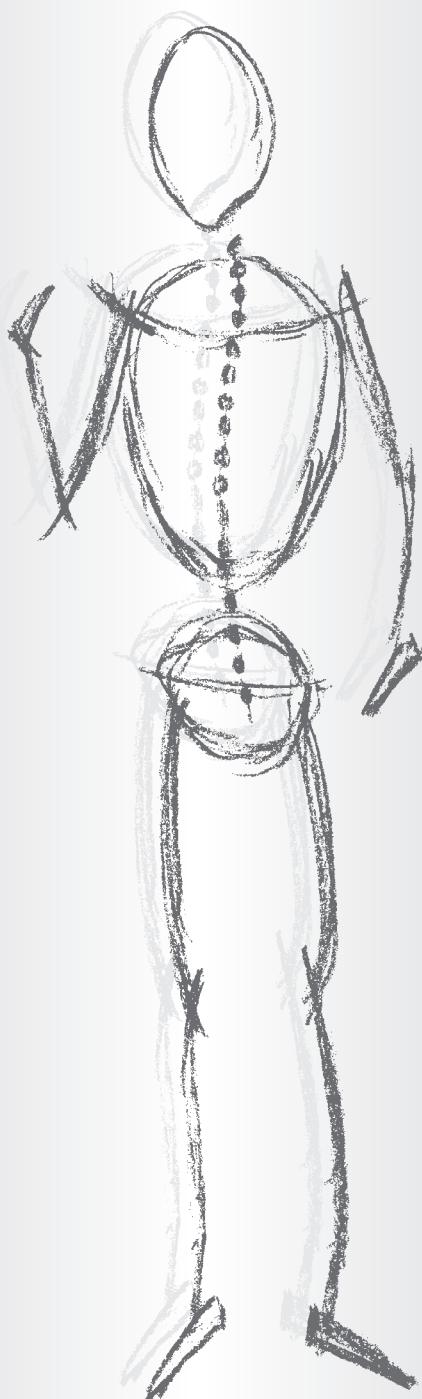
Perforador manual con mango ajustable,
con mandril Jacobs de 3 mordazas y
llave

Perforatore a mano con manico regola-
bile, con mandrino Jacobs a tre ganasce
complete con chiave



34295-00
Spannschlüssel allein
Key only
Llave sola
Chiave solo

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



BIPOLARE KOAGULATION

BIPOLAR COAGULATION

COAGULACIÓN BIPOLAR

COAGULAZIONE BIPOLARE

REDA

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Bipolare Koagulation
Bipolar Coagulation
Coagulación bipolar
Coagulazione bipolare



91104-11
11 cm, 4 3/8"
0,5 mm



91109-11
11 cm, 4 3/8"
45°, 0,5 mm



91113-11
11 cm, 4 3/8"
45°, 0,5 mm



91122-16
16,5 cm, 6 1/2"
0,5 mm



91123-16
16,5 cm, 6 1/2"
0,5 mm



91125-16
16,5 cm, 6 1/2"
0,5 mm

Bipolare Koagulation
Bipolar Coagulation
Coagulación bipolar
Coagulazione bipolare



91142-16
16 cm, 6 1/4"
1 mm



91144-16
16,5 cm, 6 1/2"
0,5 mm



91152-19
19,5 cm, 7 3/4"
0,3 mm



91154-19
19,5 cm, 7 3/4"
1 mm



91157-19
19,5 cm, 7 3/4"
1 mm



91159-19
19,5 cm, 7 3/4"
2 mm

Bipolare Koagulation
Bipolar Coagulation
Coagulación bipolar
Coagulazione bipolare

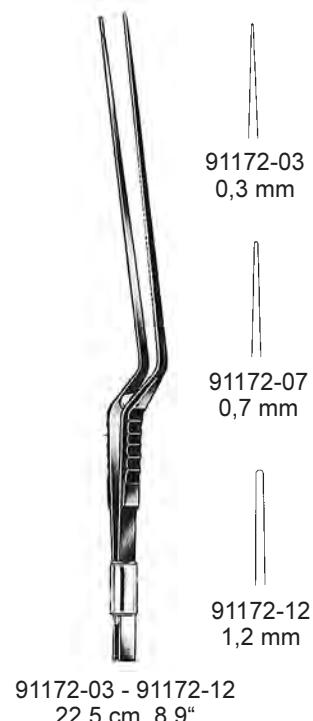


91162-19
19,5 cm, 7 3/4"
0,3 mm



91164-19
19,5 cm, 7 3/4"
1 mm

Bipolare Koagulation
Bipolar Coagulation
Coagulación bipolar
Coagulazione bipolare



Bipolare Koagulation
 Bipolar Coagulation
 Coagulación bipolar
 Coagulazione bipolare

NON STICK

gerade
 straight
 recta
 retta



| | 0,3 mm | 0,5 mm | 1,0 mm | 2,0 mm |
|-----------------|-----------|-----------|-----------|-----------|
| 11,0 cm, 4 3/8" | 91110-03N | 91110-05N | 91110-10N | |
| 16,0 cm, 6 1/4" | 91160-03N | 91160-05N | 91160-10N | 91160-20N |
| 18,0 cm, 7" | | 91180-05N | 91180-10N | 91180-20N |
| 19,5 cm, 7 3/4" | | 91200-05N | 91200-10N | 91200-20N |
| 22,0 cm, 8 3/4" | | | 91220-10N | 91220-20N |
| 24,0 cm, 9 1/2" | | | 91240-10N | |
| 30,0 cm, 12" | | | 91300-10N | 91300-20N |

abgewinkelt 45°
 angled 45°
 angulada 45°
 angolata 45°



| | 0,3 mm | 0,5 mm | 1,0 mm | 2,0 mm |
|-----------------|-----------|-----------|-----------|-----------|
| 11,0 cm, 4 3/8" | 91112-03N | 91112-05N | 91112-10N | |
| 16,0 cm, 6 1/4" | | 91162-05N | 91162-10N | |
| 18,0 cm, 7" | | | 91182-10N | 91182-20N |
| 19,5 cm, 7 3/4" | | 91202-05N | 91202-10N | 91202-20N |
| 22,0 cm, 8 3/4" | | | 91222-10N | 91222-20N |
| 24,0 cm, 9 1/2" | | | 91242-10N | |
| 30,0 cm, 12" | | | 91302-10N | |

NON STICK

Bipolare Koagulation
 Bipolar Coagulation
 Coagulación bipolar
 Coagulazione bipolare

bayonett gerade
 bajonett straight
 bayoneta recta
 baionetta retta



| | 0,3 mm | 0,5 mm | 1,0 mm | 2,0 mm |
|-----------------|-----------|-----------|-----------|-----------|
| 16,0 cm, 6 1/4" | 91166-03N | 91166-05N | 91166-10N | 91166-20N |
| 19,5 cm, 7 3/4" | | 91206-05N | 91206-10N | 91206-20N |
| 22,0 cm, 8 3/4" | | 91226-05N | 91226-10N | 91226-20N |
| 24,0 cm, 9 1/2" | | 91246-05N | 91246-10N | 91246-20N |

bayonett nach oben
 bajonett upwards
 bayoneta hacia arriba
 baionetta in alto



| |
|-----------------|
| 1,0 mm |
| 19,5 cm, 7 3/4" |
| 22,0 cm, 8 3/4" |

bayonett nach unten
 bajonett downwards
 bayoneta hacia abajo
 baionetta in basso



| | 0,5 mm | 1,0 mm |
|-----------------|-----------|-----------|
| 16,0 cm, 6 1/4" | 91168-05N | 91168-10N |
| 19,5 cm, 7 3/4" | | 91208-10N |
| 22,0 cm, 8 3/4" | | 91228-10N |

Bipolare Saugpinzetten
Bipolar suction Forceps
Pinza de succión bipolar
Pinza bipolare con canale di aspirazione

Saugpinzetten zum Absaugen von Blut und Sekret vor der Koagulation bzw. zum Absaugen von Rauch während der Koagulation.

Europäischer Flachstecker zum Anschluß von bipolaren Kabeln für praktisch alle gebräuchlichen HF-Generatoren.

Der Saugkanal mit Unterbrecherloch ist in einem Schenkel der Pinzette integriert.

An der Schlaucholive können verschiedene Schlauchdurchmesser angeschlossen werden.

Suction forceps for extraction of blood and debris by suction right before coagulation or extraction of smoke while coagulating.

European flat socket connector for bipolar cables for nearly all common high frequency generators.

Suction channel embedded inside the forceps.

Suction connector matches different suction tube diameters.



91201-20 S



Pinza de succión para sangre y líquidos antes de efectuar la coagulación como también para la eliminación de humo durante la coagulación. Enchufe plano europeo para conectar cables bipolares de equipos de alta frecuencia en uso corrientemente. El canal de succión con su agujero de interrupción está incorporado en un lado de la pinza.

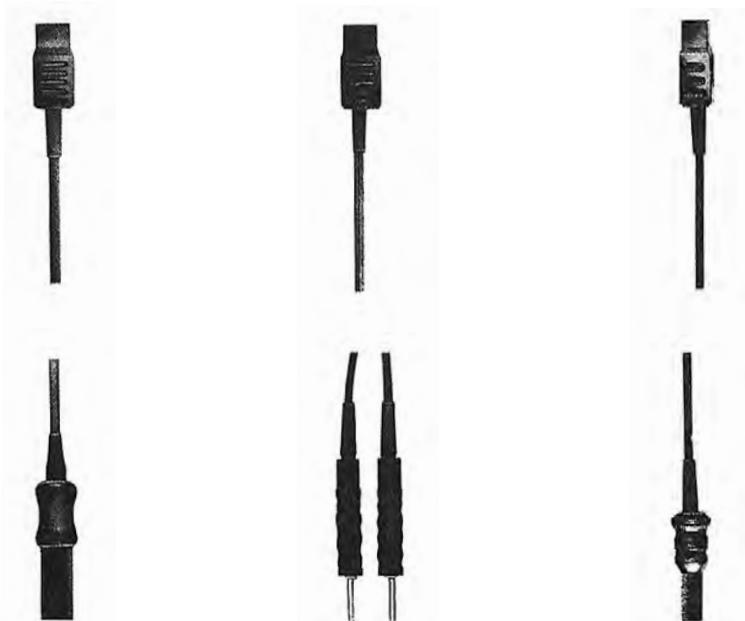
El diseño de la oliva de conexión permite la adaptación de tubos de varios diámetros.

Pinza bipolare dotata di canale di aspirazione. Per aspirare fumi, sangue ecc. durante la coagulazione. Attacco piatto per cavi bipolari con attacchi europei.

Il canale di aspirazione con interruzione è integrato sulla aletta della pinza.

Ingresso del canale di aspirazione ad oliva che permette attacchi di diversi diametri.

Verbindungsleitung, bipolar
Connection Cords, bipolar
Cables de conexión, bipolar
Cavi da connessione, bipolare



ERBE
SELECT
STORZ

| | | |
|-----|------|----------|
| 3 m | 118" | 91190-30 |
| 5 m | 197" | 91190-50 |

USA Mod.

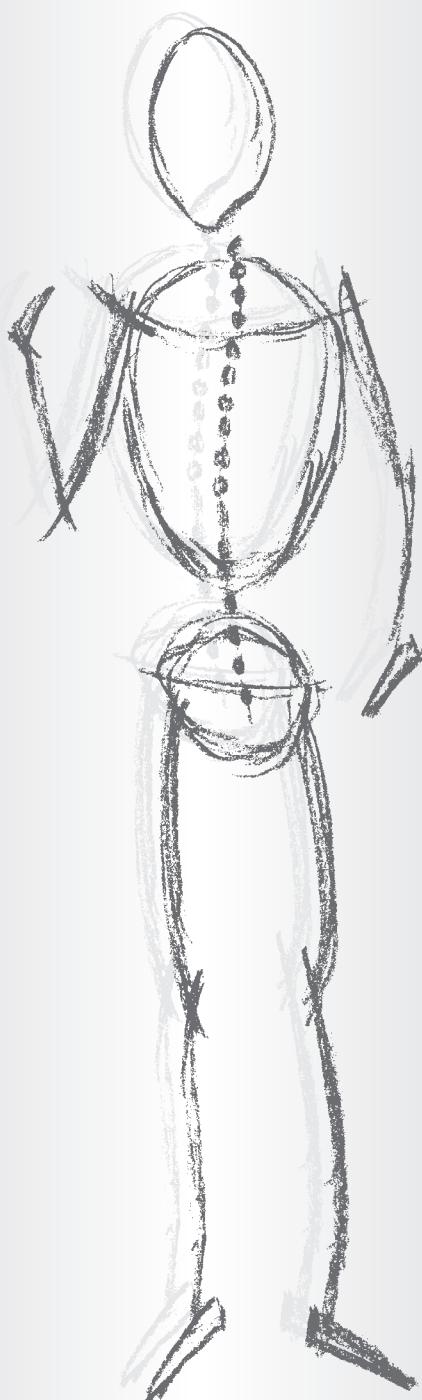
| |
|----------|
| 91192-30 |
| 91192-50 |

MARTIN
BERCHTOLD
AESCULAP

| |
|----------|
| 91193-30 |
| 91193-50 |

für Elektro-Chirurgie-Einheiten
for Electrosurgery Equipment
para Electrobisturis
per Elettrobisturi

Reda Instrumente GmbH
Gänsäcker 34 - P.O. Box 131
D-78532 Tuttlingen



SÄTZE

SET

SET

SET

REDA

www.Red-a-Instrumente.de

Set / 200 Basic Set for Neurosurgery - Neurochirurgie Set

| | | |
|-----|----------|--|
| 1x | 07103-00 | scalpel handle no. 3 |
| 1x | 07107-00 | scalpel handle no. 7 |
| 1x | 07104-00 | scalpel handle no. 4 |
| 1x | 09160-17 | MAYO, dissecting scissors, str., 17cm |
| 1x | 09161-17 | MAYO, dissecting scissors, cvd., 17cm |
| 1x | 09280-18 | METZENBAUM, dissecting scissors, str., 18cm |
| 1x | 11112-18 | POTTS-SMITH, dressing forceps, 18cm |
| 1x | 11126-18 | POTTS-SMITH, tissue forceps, 1x2 teeth, 18cm |
| 1x | 11189-15 | BROWN, tissue forceps, 9x9 teeth, 15cm |
| 1x | 11315-01 | TAYLOR, dressing forceps, bayonet, 17cm |
| 1x | 11315-02 | TAYLOR, tissue forceps, 1x2 teeth, bayonet, 17cm |
| 1x | 41295-10 | FRAZIER/FERGUSSON, suction tube, 30°, 19cm |
| 2x | 25214-18 | DeBAKEY, needle holder TC, 18cm |
| 2x | 25225-18 | RYDER, needle holder TC, 18cm |
| 10x | 13220-12 | HALSTED-MOSQUITO, hemostatic forceps, str., 12,5cm |
| 6x | 13345-14 | DANDY, hemostatic forceps, cvd., 14cm |
| 6x | 13320-14 | ROCHESTER-OCHSNER, hemostatic forceps, 1x2 teeth, str., 14cm |
| 10x | 15111-09 | BACKHAUS, towel forceps, 9cm |
| 2x | 17170-18 | FOERSTER, swab forceps, str., 18cm |
| 1x | 19214-13 | FRAZIER, nerve hooklet, 13cm |
| 1x | 19168-06 | RIBBON, retractor, 6x200mm |
| 1x | 19168-12 | RIBBON, retractor, 12x200mm |
| 1x | 19168-17 | RIBBON, retractor, 17x200mm |
| 1x | 19168-25 | RIBBON, retractor, 25x200mm |
| 2x | 19670-16 | WEITLANER, retractor, 16,5cm |
| 2x | 19684-16 | ADSON-BABY, retractor, 16cm |
| 1x | 33711-20 | LANGENBECK, periosteal elevator, 20cm |
| 1x | 33142-20 | ADSON, bone rongeur, str., 20cm |
| 1x | 33247-23 | LEKSELL-STILLE, bone rongeur, 23cm / 4mm |
| 1x | 33245-23 | LEKSELL-STILLE, bone rongeur, 23cm / 7mm |
| 6x | 65120-15 | ALLIS, tissue forceps, 5x6 teeth, 15cm |
| 1x | 41512-02 | FERRIS-SMITH-KERRISON, rongeur, 45° up, 2mm, 18cm |
| 1x | 41512-03 | FERRIS-SMITH-KERRISON, rongeur, 45° up, 3mm, 18cm |
| 1x | 41512-04 | FERRIS-SMITH-KERRISON, rongeur, 45° up, 4mm, 18cm |
| 1x | 41432-01 | LOVE-GRUENWALD, laminectomy rongeur, str., 3x10mm, 18cm |
| 1x | 41432-02 | LOVE-GRUENWALD, laminectomy rongeur, 45° up, 3x10mm, 18cm |
| 1x | 41432-03 | LOVE-GRUENWALD, laminectomy rongeur, 45° down, 3x10mm, 18cm |
| 1x | 41254-13 | DAVIS, brain spatula, 13mm, 18cm |
| 1x | 41161-01 | PENFIELD, dura dissector, 17,5cm |
| 1x | 41161-02 | PENFIELD, dura dissector, 19,5cm |
| 1x | 41161-03 | PENFIELD, dura dissector, 19,5cm |
| 1x | 41161-04 | PENFIELD, dura dissector, 21,5cm |
| 1x | 41298-12 | FRAZIER, canula, 3mm, 12cm |
| 1x | 41052-20 | DANDY, nerve hook, str., 20cm |
| 1x | 19235-21 | CUSHING, retractor, 21,5cm |
| 1x | 34231-15 | ADSON, forceps, 15cm |
| 2x | 41094-00 | GIGLI, handle for wire saw |
| 5x | 41092-50 | OLIVECRONA, wire saw, 50cm |
| 1x | 41090-33 | DE MARTEL, saw conductor, 33cm |

Set / 201 Craniotomy Set - Kraniotomie Set

| | | |
|-----|----------|---|
| 1x | 07103-00 | scalpel handle no. 3 |
| 1x | 07107-00 | scalpel handle no. 7 |
| 1x | 07104-00 | scalpel handle no. 4 |
| 1x | 09140-14 | DEAVER, dissecting scissors, str., 14,5cm |
| 1x | 09160-17 | MAYO, dissecting scissors, str., 17cm |
| 1x | 09161-17 | MAYO, dissecting scissors, cvd., 17cm |
| 1x | 09281-18 | METZENBAUM, dissecting scissors, cvd., 18cm |
| 2x | 11170-12 | ADSON, dressing forceps, 12cm |
| 2x | 11180-12 | ADSON, tissue forceps, 1x2 teeth, 12cm |
| 1x | 11220-17 | CUSHING, dressing forceps, str., 17cm |
| 1x | 11222-17 | CUSHING, tissue forceps, str., 1x2 teeth, 17cm |
| 1x | 11315-01 | TAYLOR, dressing forceps, bayonet, 17cm |
| 1x | 11315-02 | TAYLOR, tissue forceps, 1x2 teeth, bayonet, 17cm |
| 2x | 41295-08 | FRAZIER/FERGUSSON, suction tube, 30°, Charr. 8, 19cm |
| 10x | 13220-12 | HALSTED-MOSQUITO, hemostatic forceps, str., 12,5cm |
| 10x | 13221-12 | HALSTED-MOSQUITO, hemostatic forceps, cvd., 12cm |
| 10x | 13345-14 | DANDY, hemostatic forceps, cvd., 14cm |
| 10x | 15111-13 | BACKHAUS, towel forceps, 13cm |
| 5x | 17170-25 | FOERSTER, swab forceps, str., 25cm |
| 2x | 19235-21 | CUSHING, retractor, 21,5cm |
| 2x | 19214-13 | FRAZIER, nerve hooklet, 13cm |
| 1x | 19630-10 | JANSEN, retractor, 10cm |
| 2x | 19670-20 | WEITLANER, retractor, 20cm |
| 1x | 33483-00 | BRUNS, bone curette, Fig.0, str., 23cm |
| 1x | 33483-01 | BRUNS, bone curette, Fig.1, str., 23cm |
| 1x | 33483-02 | BRUNS, bone curette, Fig.2, str., 23cm |
| 1x | 33483-03 | BRUNS, bone curette, Fig.3, str., 23cm |
| 1x | 33137-17 | LUER, bone rongeur, cvd., 17cm |
| 1x | 33151-16 | LEMPERT, bone rongeur, cvd., 16cm |
| 1x | 33230-22 | STILLE-LUER, bone rongeur, str., 22cm |
| 1x | 33231-22 | STILLE-LUER, bone rongeur, cvd., 22cm |
| 1x | 41096-21 | DeVILBIS, skull punch, 21cm |
| 1x | 41432-01 | LOVE-GRUENWALD, laminectomy rongeur, str., 3x10mm, 18cm |
| 1x | 41432-02 | LOVE-GRUENWALD, laminectomy rongeur, 45° up, 3x10mm, 18cm |
| 1x | 41432-03 | LOVE-GRUENWALD, laminectomy rongeur, 45° down, 3x10mm, 18cm |
| 1x | 09619-17 | SCHMIEDEN-TAYLOR, dura scissors, 17cm |
| 1x | 41254-13 | DAVIS, brain spatula, 13mm, 18cm |
| 1x | 41250-11 | CUSHING, brain spatula, 8x10mm |
| 1x | 41253-11 | OLIVECRONA, brain spatula, 11mm/13mm |
| 1x | 41158-01 | FRAZIER, dura dissector, 15cm |
| 2x | 41298-12 | FRAZIER, canula 3mm/12cm |
| 1x | 41052-20 | DANDY, nerve hook, str., 20cm |
| 1x | 19234-20 | CUSHING, retractor, 20cm |
| 1x | 34240-27 | HUDSON, bone hand drill, 27cm |
| 1x | 34231-15 | ADSON, forceps, 15cm |
| 2x | 41094-00 | GIGLI, handle for wire saw |
| 10x | 41092-50 | OLIVECRONA, wire saw, 50cm |
| 2x | 41090-33 | DeMARTEL, saw conductor, 33cm |
| 1x | 41028-00 | RANEY, applying forceps |
| 1x | 91162-19 | bipolar forceps, 0,3mm, 19,5cm |
| 1x | 91193-30 | bipolar connecting cable, 3 meter |

Set / 202 Laminectomy Set - Laminektomie Set

| | | |
|-----|----------|---|
| 1x | 07103-00 | scalpel handle no. 3 |
| 1x | 07104-00 | scalpel handle no. 4 |
| 1x | 09140-14 | DEAVER, dissecting scissors, str., 14,5cm |
| 1x | 09160-17 | MAYO, dissecting scissors, str., 17cm |
| 1x | 09161-17 | MAYO, dissecting scissors, cvd., 17cm |
| 1x | 09281-18 | METZENBAUM, dissecting scissors, cvd., 18cm |
| 2x | 11102-14 | dressing forceps, 14,5cm |
| 1x | 11102-20 | dressing forceps, 20cm |
| 2x | 11120-14 | tissue forceps, 1x2 teeth, 14,5cm |
| 1x | 11120-20 | tissue forceps, 1x2 teeth, 20cm |
| 1x | 11220-17 | CUSHING, dressing forceps, str., 17cm |
| 1x | 11222-17 | CUSHING, tissue forceps, str., 1x2 teeth, 17cm |
| 1x | 11315-01 | TAYLOR, dressing forceps, bayonet, 17cm |
| 1x | 11315-02 | TAYLOR, tissue forceps, 1x2 teeth, bayonet, 17cm |
| 1x | 41295-08 | FRAZIER/FERGUSSON, suction tube, 30°, Charr.8, 19cm |
| 1x | 41295-10 | FRAZIER/FERGUSSON, suction tube, 30°, Charr. 10, 19cm |
| 1x | 41295-12 | FRAZIER/FERGUSSON, suction tube, 30°, Charr. 12, 19cm |
| 2x | 25180-16 | MAYO-HEGAR, needle holder, 16cm |
| 10x | 13220-12 | HALSTED-MOSQUITO, hemostatic forceps, str., 12,5cm |
| 10x | 13221-12 | HALSTED-MOSQUITO, hemostatic forceps, cvd., 12cm |
| 6x | 13263-16 | CRILE-RANKIN, hemostatic forceps, cvd., 16cm |
| 6x | 13265-16 | CRILE-RANKIN, hemostatic forceps, 1x2 teeth, cvd., 16cm |
| 5x | 17170-25 | FOERSTER, swab forceps, str., 25cm |
| 2x | 19235-21 | CUSHING, retractor, 21,5cm |
| 2x | 19281-04 | VOLKMANN, retractor, 4 teeth, 21,5cm |
| 2x | 19670-20 | WEITLANER, retractor, sharp, 20cm |
| 1x | 19686-32 | ADSON, retractor, blunt, 32cm |
| 1x | 19690-31 | BECKMANN, retractor, sharp, 31cm |
| 1x | 33711-20 | LANGENBECK, elevator, 8mm, 20cm |
| 1x | 33710-19 | LANGENBECK, elevator, 16mm, 19cm |
| 1x | 33700-03 | BERGMANN, hammer, Ø 45mm, 300 gr., 24cm |
| 1x | 33482-98 | BRUNS, bone curette, Fig.00, str., 23cm |
| 1x | 33483-00 | BRUNS, bone curette, Fig.0, str., 23cm |
| 1x | 33483-01 | BRUNS, bone curette, Fig.1, str., 23cm |
| 1x | 33483-02 | BRUNS, bone curette, Fig.2, str., 23cm |
| 1x | 33483-03 | BRUNS, bone curette, Fig.3, str., 23cm |
| 1x | 33483-04 | BRUNS, bone curette, Fig.4, str., 23cm |
| 1x | 33483-05 | BRUNS, bone curette, Fig.5, str., 23cm |
| 1x | 33483-06 | BRUNS, bone curette, Fig.6, str., 23cm |
| 1x | 33136-17 | LUER, bone rongeur, str., 17cm |
| 1x | 33231-22 | STILLE-LUER, bone rongeur, cvd., 22cm |
| 1x | 33235-23 | STILLE-LUER, bone rongeur, 23cm |
| 1x | 33293-27 | STILLE-HORSLEY, bone cutting forceps, 27cm |
| 1x | 33290-27 | STILLE-LISTON, bone cutting forceps, 27cm |
| 5x | 65120-15 | ALLIS, tissue forceps, 5x6 teeth, 15cm |
| 1x | 41512-02 | FERRIS-SMITH-KERRISON, 45° up, 2mm, 18cm |
| 1x | 41512-03 | FERRIS-SMITH-KERRISON, 45° up, 3mm, 18cm |
| 1x | 41512-04 | FERRIS-SMITH-KERRISON, 45° up, 4mm, 18cm |
| 1x | 41432-01 | LOVE-GRUENWALD, laminectomy rongeur, str., 3x10mm, 18cm |
| 1x | 41432-02 | LOVE-GRUENWALD, laminectomy rongeur, 45° up, 3x10mm, 18cm |
| 1x | 41432-03 | LOVE-GRUENWALD, laminectomy rongeur, 45° down, 3x10mm, 18cm |

| | | |
|----|----------|-----------------------------------|
| 1x | 41151-24 | DAVIS, dura dissector, 24cm |
| 1x | 47415-18 | FREER, septum elevator, 18cm |
| 1x | 41161-00 | PENFIELD, dura dissector, 17,5cm |
| 1x | 41161-02 | PENFIELD, dura dissector, 19,5cm |
| 1x | 41161-03 | PENFIELD, dura dissector, 19,5cm |
| 1x | 41161-04 | PENFIELD, dura dissector, 21,5cm |
| 1x | 41052-20 | DANDY, nerve hook, str., 20cm |
| 1x | 41056-18 | CUSHING, nerve hook, 18cm |
| 1x | 41074-23 | SCOVILLE, retractor, str., 23cm |
| 1x | 19911-00 | SCOVILLE, frame only, 15cm |
| 1x | 19912-50 | SCOVILLE, hook only, 50mm |
| 1x | 19917-64 | SCOVILLE, blade only, 64x25mm |
| 1x | 41020-00 | clip carrier with 1 holder |
| 1x | 41019-14 | OLIVECRONA-TOENNIS, 140mm |
| 1x | 91162-19 | bipolar forceps, 0,3mm, 19,5cm |
| 1x | 91193-30 | bipolar connecting cable, 3 meter |

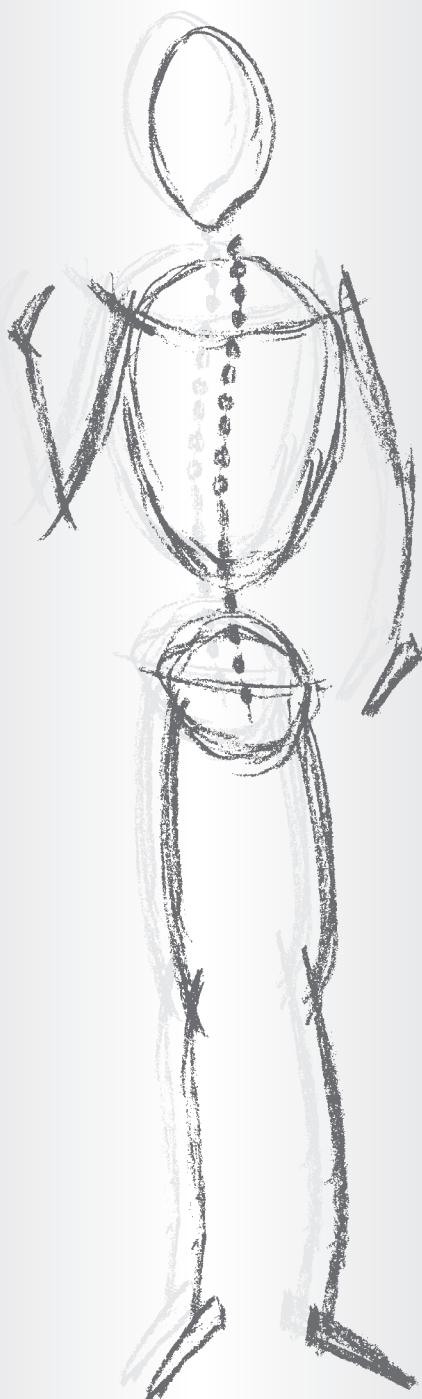
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| 1x | 07103-00 | scalpel handle no. 3 |
| 1x | 09160-14 | MAYO, dissecting scissors, str., 14,5cm |
| 1x | 11120-14 | tissue forceps, 1x2 teeth, 14,5cm |
| 1x | 13220-12 | HALSTED-MOSQUITO, hemostatic forceps, str., 12,5cm |
| 1x | 13221-12 | HALSTED-MOSQUITO, hemostatic forceps, cvd., 12cm |
| 2x | 17170-25 | FOERSTER, swab forceps, str., 25cm |
| 1x | 41025-02 | CRUTCHFIELD, traction long |
| 1x | 34240-27 | HUDSON, bone hand drill, complete, 27cm |
| 6x | 15111-09 | BACKHAUS, towel forceps, 9cm |

Set / 204 Transphenoidal Hypophysectomy Set - Transphenoidal Hypophysektomie Set

| | | |
|----|----------|---|
| 2x | 07103-00 | scalpel handle no. 3 |
| 1x | 07104-00 | scalpel handle no. 4 |
| 1x | 09120-14 | operating scissors, standard, str., 14cm |
| 1x | 11110-14 | dressing forceps, narrow, 14cm |
| 1x | 09375-11 | STRABISMUS, scissors TC, cvd., 11cm |
| 1x | 11170-12 | ADSON, dressing forceps, 12cm |
| 1x | 11180-12 | ADSON, tissue forceps, 1x2 teeth, 12cm |
| 1x | 47154-20 | JANSEN, nasal forceps, 20cm |
| 2x | 41295-08 | FRAZIER/FERGUSSON, suction tube, 30°, Charr. 8, 19cm |
| 2x | 41295-10 | FRAZIER/FERGUSSON, suction tube, 30°, Charr. 10, 19cm |
| 2x | 41295-12 | FRAZIER/FERGUSSON, suction tube, 30°, Charr. 12, 19cm |
| 2x | 25144-13 | HALSEY, needle holder TC, 13cm |
| 2x | 13221-12 | HALSTED-MOSQUITO, hemostatic forceps, cvd., 12cm |
| 2x | 13211-10 | HARTMANN, hemostatic forceps, cvd., 10cm |
| 2x | 13475-14 | MIXTER-BABY, hemostatic forceps, 14cm |
| 2x | 19160-17 | SENN-MILLER, retractor, 3 teeth, 17cm |
| 6x | 15111-13 | BACKHAUS, towel forceps, 13cm |
| 2x | 17170-25 | FOERSTER, swab forceps, str., 25cm |
| 2x | 19221-03 | nerve and wound hooks, 3 prongs, 16cm |
| 1x | 41522-03 | COLCLOUGH, disc rongeur, 90° up, 3mm, 20cm |
| 1x | 41512-02 | FERRIS-SMITH-KERRISON, rongeur, 45° up, 2mm, 18cm |
| 1x | 41512-03 | FERRIS-SMITH-KERRISON, rongeur, 45° up, 3mm, 18cm |
| 1x | 41422-01 | CUSHING, laminectomy rongeur, str., 2x10mm, 18cm |
| 1x | 41432-01 | LOVE-GRUENWALD, laminectomy rongeur, str., 3x10mm, 18cm |
| 1x | 41432-02 | LOVE-GRUENWALD, laminectomy rongeur, 45° up, 3x10mm, 18cm |
| 1x | 41442-01 | SPURLING, laminectomy rongeur, str., 4x10mm, 18cm |
| 1x | 41254-13 | DAVIS, brain spatula, 13mm, 18cm |
| 1x | 41447-27 | LANDOLT, tumor grasping forceps, Ø 9mm, 27cm |
| 1x | 93670-01 | HARDY, enucleator, blunt, right, 24,5cm |
| 1x | 93670-09 | HARDY, implant fork, 24,5cm |
| 1x | 93700-06 | HARDY, curette, malleable, 6mm, 26cm |
| 1x | 93660-01 | NICOLA, curette, malleable, 6,5mm, right, 21,5cm |
| 1x | 93660-02 | NICOLA, curette, malleable, 6,5mm, left, 21,5cm |
| 1x | 93660-03 | NICOLA, curette, malleable, 6,5mm, 21,5cm |
| 1x | 93600-01 | CUSHING-LANDOLT, specula, 70x15mm |
| 1x | 93600-02 | CUSHING-LANDOLT, specula, 90x15mm |
| 1x | 93605-21 | LANDOLT, spreader for specula, 21cm |
| 1x | 93710-03 | LANDOLT-REULEN, raspatory, 2,2mm, 26cm |
| 1x | 93710-04 | LANDOLT-REULEN, raspatory, 3,2mm, 26cm |
| 1x | 93710-07 | LANDOLT-REULEN, dissector, 2,0mm, 26cm |
| 1x | 93720-02 | NICOLA, forceps, scoop-shaped, str., 16,5cm |
| 1x | 93720-04 | NICOLA, grasping forceps, str., 16,5cm |
| 1x | 93720-03 | NICOLA, micro scissors, str., 16,5cm |
| 1x | 93630-04 | COTTLE, chisel, 4mm, 18,5cm |
| 1x | 33700-05 | COTTLE, hammer, Ø 30mm, 240 gr., 18cm |

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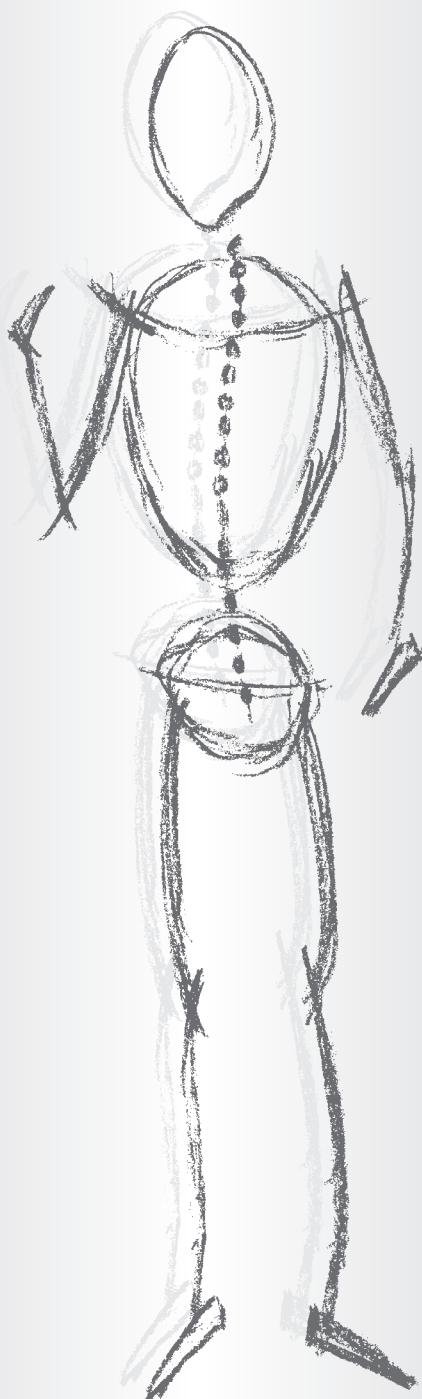
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