


CATÁLOGO GENERAL • GENERAL CATALOGUE • GENERALKATALOG









 DEWIMED

## HISTORY

DEWIMED has been founded in 1978 by Jobst von Dewitz and his wife Sybille as a trading and distribution company specialized in medical equipment. DEWIMED is to serve the health sector with medical products of superior quality to meet the nowadays requirements and expectations of medical professionals.

This is why we have established close relationships with both doctors, medical staff, hospitals, suppliers and manufacturers from the very first beginning.

In the meantime, DEWIMED S. A. has become an important partner both in the private and public medical sector.

## GESCHICHTE

1978 gründete Jobst von Dewitz zusammen mit seiner Frau Sybille die Firma DEWIMED, die sich auf den Vertrieb von medizinischen Produkten spezialisiert hat, um den Gesundheitssektor mit medizinischen Produkten zu beliefern. Darüber hinaus müssen diese Produkte eine überdurchschnittlich hohe Qualität aufweisen, um den Anforderungen des Arztes zu entsprechen. Von Anfang an wurde eine sehr enge Beziehung zwischen Ärzten, Krankenhäusern, Lieferanten und Herstellern aufgebaut, um den hohen Ansprüchen der Medizintechnik gerecht zu werden.

Inzwischen hat sich die DEWIMED zu einem der wichtigsten Lieferanten im Bereich des Medizinsektors Privat sowie auf Regierungsebene entwickelt.

## TRAYECTORIA

Jobst von Dewitz y su esposa Sybille fundaron en 1978 la distribuidora de equipo e instrumental en el campo de la medicina técnica. Su objetivo es, proveer con equipo médico de alta calidad y especialidad, así como con soluciones integrales al sector salud. Es por esto que desde un principio se crearon asociaciones estratégicas tanto con médicos y hospitales, como con fabricantes y proveedores calificados.

Gracias a esto y las políticas de servicio DEWIMED se ha desarrollado exitosamente para convertirse en un prestigiado proveedor en el campo del sector salud, tanto para la iniciativa privada como para el gobierno.

## DISTRIBUTION NETWORK HÄNDLERNETZ

DEWIMED meanwhile has established as one of the most efficient distribution networks in the Mexican Republic, applying new concepts of sales, marketing and service. To transfer this concept of success to the rest of the world, DEWIMED Medizintechnik GmbH Tuttingen has been founded in 1993.

From then on DEWIMED has been distributing superior quality products that meet all the actual norms and standards worldwide.

DEWIMED verfügt über ein flächendeckendes Händlernetz in Mexiko, das neue Maßstäbe im Bereich Medizinsektor von Mexiko setzt. Um das Tätigkeitsfeld auszuweiten, wurde 1993 die Firma Dewimed Medizintechnik GmbH in Tuttingen, Deutschland, gegründet. Fortan vertreibt Dewimed Deutschland die hochwertigen Produkte weltweit, die allen üblichen und gängigen Normen und Standards für Medizinprodukte entsprechen.

## RED DE DISTRIBUCIÓN

DEWIMED ha logrado crear una eficaz red de distribución, aplicando un nuevo concepto de ventas y distribución para toda la República Mexicana. Para ampliar su campo de acción a nivel global, en 1993 funda la empresa DEWIMED Medizintechnik GmbH Tuttingen, Alemania. Esta empresa se dedica a la comercialización de los productos fabricados tanto en México como en Alemania a nivel mundial, cumpliendo con las exigencias de la norma ISO 9001.

## INTEGRIERTE LÖSUNGEN INTEGRAL SOLUTIONS

Thanks to the diversity of products and to the dedicated staff, DEWIMED has been able to grow every year. This has led to integrated solutions like service and repair stations, commissioning services and reprocessing of medical products, all implemented by skilled and qualified experts.

Today, the DEWIMED group is worldwide known and reputable due to its wide range of medical products of superior quality.

DEWIMED wächst Jahr für Jahr dank der Vielfalt von Produkten ebenso wie durch den Einsatz aller Mitarbeiter. Dies ermöglicht eine Form von integrierten Lösungen, die sich aus Training von Fachpersonal, Reparaturstellen, Installationservice und Wiederaufbereitung von Produkten zusammensetzen.

Heutzutage ist die DEWIMED Gruppe durch Ihre außerordentlich hohe Qualität auf dem Medizinsektor, sowie dem breiten Produktportfolio weltweit bekannt und angesehen.

## SOLUCIONES INTEGRALES

DEWIMED crece año tras año gracias a la variedad de productos de marcas prestigeadas así como al impulso de sus colaboradores. De esta forma es posible ofrecer soluciones integrales o parciales con servicios de asesoría técnica, cursos de capacitación, instalación de equipo, reparaciones y rehabilitación de los diversos aparatos e instrumentos médicos.









## PRODUCTION

DEWIMED is manufacturing instruments at our own production facilities, one in Germany and one in Mexico, in extraordinary high German quality our clients are used to. Our Mexican facilities have been completely modernized and set up in a way that we always meet latest standards and the quality demands of our clients.

Highly qualified experts in Germany arrange for special products to be manufactured in "Made in Germany" quality.

## PRODUKTION

Zwei Produktionsstandorte in Deutschland und Mexiko produzieren Instrumente für den zahnmedizinischen sowie Medizinsektor in außerordentlich hoher und gewohnter Deutscher Qualität. Der Betrieb in Mexiko wurde komplett modernisiert um dort ebenso den hohen Qualitätsansprüchen gerecht zu werden.

Fachpersonal in Deutschland sorgt für die Herstellung der Spezialprodukte in gewohnter "Made in Germany" Qualität.

## PLANTAS DE PRODUCCIÓN

DEWIMED fabrica instrumentos en nuestras propias instalaciones de producción, una en Alemania y otra en México, en la extraordinaria alta calidad alemana que nuestros clientes están acostumbrados. Nuestras instalaciones mexicanas han sido completamente modernizadas e instaladas en un camino que siempre encontramos últimas normas y las demandas de calidad de nuestros clientes.

Expertos sumamente calificados en Alemania piden que productos especiales sean fabricados con la calidad "Hecho en Alemania".



The Dewimed General Catalogue consists of chapters according to the different specialities.

An alphabetical and numerical index is included in the last pages for easy localization of products.

The Dewimed products are depicted the following way:

Der Dewimed Generalkatalog ist je nach Fachdisziplin in Kapitel unterteilt.

Zur schnellen Produktfindung sind auf den letzten Seiten ein alphabetisches und ein numerisches Verzeichnis vorzufinden.

Die Dewimed Produkte sind wie folgt dargestellt:

El Catálogo General Dewimed está dividido en secciones de acuerdo a las especialidades.

Para la localización rápida de productos, se encuentra en las últimas páginas un índice alfabético y uno numérico.

Los productos Dewimed se encuentran representados de la siguiente manera:

- A) Product name  
Produktname  
Nombre del producto
- B) Item numbers  
Artikelnummern  
Números de artículos
- C) Sizes  
Maße  
Medidas



The technical drawing is for product variations or near technical details.

Die technische Zeichnung gibt die Varianten oder nähere technische Details an.

El dibujo técnico indica las variantes o detalles técnicos del instrumento.

CRILE ————— A  
 12.260.14 - 12.261.14 ————— B  
 14 cm ————— C  
 1 x 2 teeth

Neither the product images nor the technical drawing of this catalogue correspond to the real measure of the instruments.

The catalogue numbers of the Dewimed products are structured as follows:

Weder Abbildungen noch technische Zeichnungen sind im Maßstab 1:1 abgebildet.

Die Artikelnummern der Dewimed Produkte sind wie folgt aufgebaut:

Las medidas de las imágenes y dibujos técnicos no corresponden al tamaño real de los instrumentos.

Los números de catálogo de los productos Dewimed están estructurados con la siguiente información:

Product group  
Artikelgruppe  
Grupo de productos

12.260.14

Instrument size  
Maßangabe  
Tamaño del instrumento

Current number:  
Last number even= straight instrument  
Last number odd= curved instrument

Laufende Nummer:  
Gerade Endziffer= gerades  
Ungerade Endziffer= ungerades instrument

Número progresivo natural  
Cifra final par= instrumento recto  
Cifra final impar= instrumento curvo

All instruments in this catalogue are made of stainless steel, with exception of the item-numbers with the following indication:

Alle Instrumente sind aus Edelstahl, mit Ausnahme der Artikelnummern mit den folgenden Angaben:

Todos los instrumentos son de acero inoxidable a excepción de los números con las siguientes indicaciones:

TC= Tungsten carbide  
Hartmetalleinsätze  
Carburo de tungsteno

T= Titanium  
Titan  
Titanio



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www.dewimed.de

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☎ (55+1) 619 76  
info@dewimed.com.co

**Chapters**

**Kapitels**

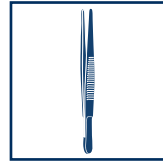
Capítulos





**02** **Diagnostics**  
Diagnostik  
Diagnóstico

01 - 06



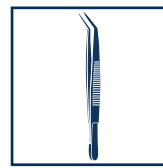
**10** **Microscissors**  
Mikroscheren  
Microtijeras

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**04** **Anesthesia**  
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Anestesia

07 - 12



**11** **Atraumatic Forceps**  
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**06** **General Surgery**  
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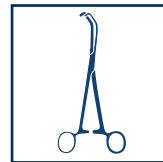
**12** **Hemostatic Forceps**  
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**13** **Atraumatic Hemostatic Forceps**  
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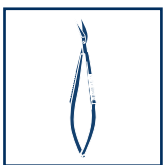
**08** **Scissors**  
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Tijeras

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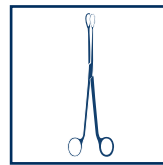
**14** **Towel Clamps**  
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141 - 143



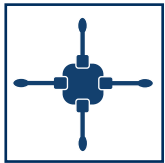
**09** **Microscissors**  
Mikroscheren  
Microtijeras

53 - 65



**16** **Polypus and Dressing Forceps**  
Tupfer- und Kornzangen  
Pinzas para Pólipos y Esponjas

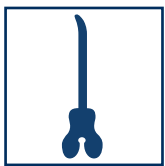
145 - 149



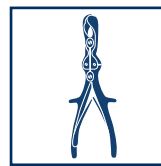
**18 Retractors**  
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**30 Plaster - of - Paris**  
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243 - 246 Vendajes Enyesados



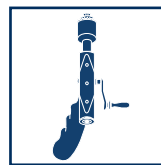
**20 Probes, Cotton Applicators**  
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199 - 205 Estiletes, Sondas, Porta-Algodones



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**22 Trocars, Punction Needles**  
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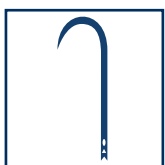
**33 Bone Surgery**  
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**24 Needle Holders**  
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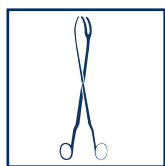
**40 Micro - Instruments**  
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321 - 379 Micro Instrumental



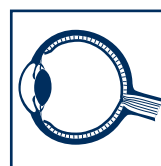
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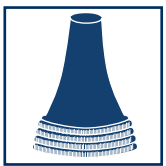
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**54** **Tracheostomy**  
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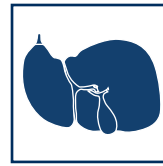
**56** **Thorax**  
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**46** **Rhinology**  
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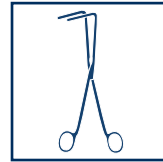
**62** **Gall Bladder**  
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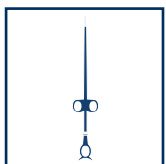
**48** **Mouth and Tongue**  
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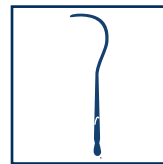
**64** **Kidney, Intestines,  
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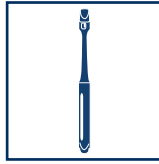


**68** **Rectum**  
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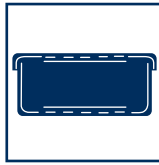
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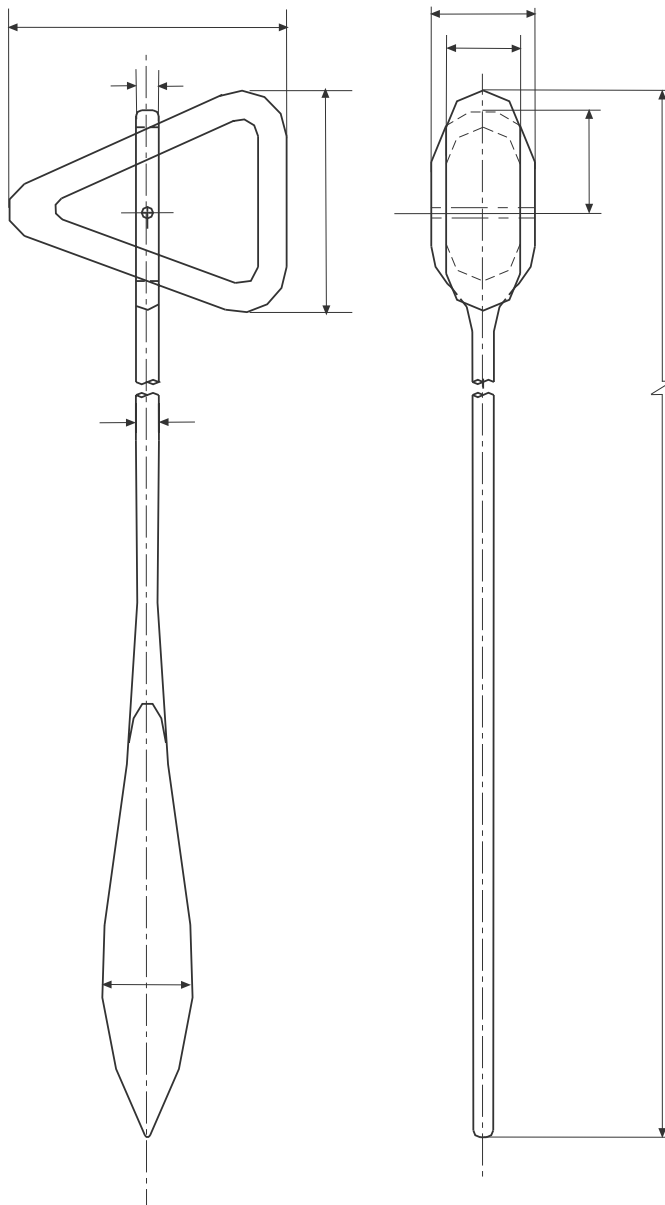


**88** **Instrument Boxes, Trays**  
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# 02

## Diagnosics Diagnostik Diagnóstico





**UNIVERSAL**  
02.122.00



**BOWLES**  
02.240.00



**DUPLEX**  
02.246.00



**PINARD**  
**02.260.15**  
*aluminium*  
15 cm



**PINARD**  
**02.262.18**  
*wood*  
18 cm



**TAYLOR**  
**02.288.17**   **02.288.20**  
17 cm   20 cm



**TRAUBE**  
**02.290.16**  
16 cm



**BABINSKY**  
**02.292.22**  
22 cm



**TROEMNER**  
02.294.24  
24 cm



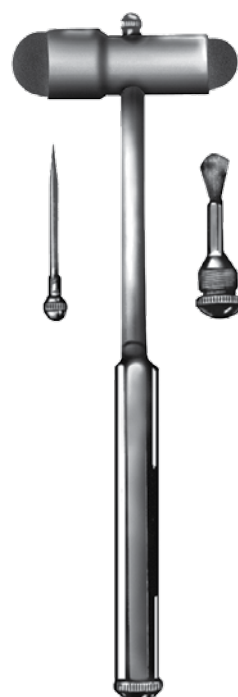
**DEJERINE**  
02.302.20  
20 cm



**DEJERINE**  
02.304.20  
21 cm



**BERLINER**  
02.306.17  
20 cm



**BUCK**  
02.308.18  
18 cm



**BERTILLON**  
02.310.01  
*cephalometer*  
32 cm



**MOELTGEN**  
02.312.01  
*goniometer*  
24 cm



**CALIPER SPECIAL**  
02.318.02  
18 cm



**WARTENBERG**  
02.320.19  
*pinwheel*  
19 cm



**RULERS, METAL**  
02.340.10 - 02.340.50

10 cm / 4 "	<b>02.340.10</b>
15 cm / 6 "	<b>02.340.15</b>
20 cm / 8 "	<b>02.340.20</b>
25 cm / 10 "	<b>02.340.25</b>
30 cm / 12 "	<b>02.340.30</b>
40 cm / 16 "	<b>02.340.40</b>
50 cm / 20 "	<b>02.340.50</b>



**02.344.15**  
15 cm



**MEASURING TAPE**  
**02.350.15**  
150 cm

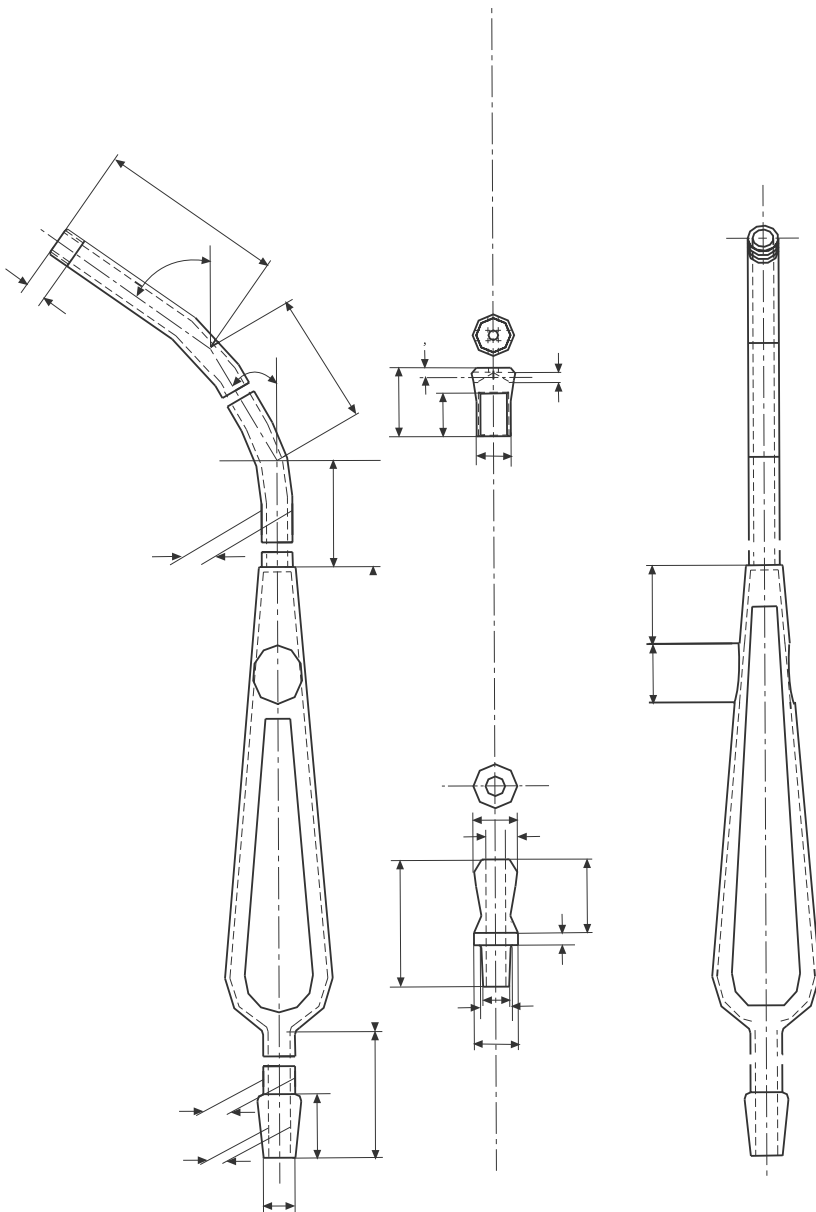


**02.352.15**  
150 cm



# 04

## Anesthesia Anaesthésie Anestesia





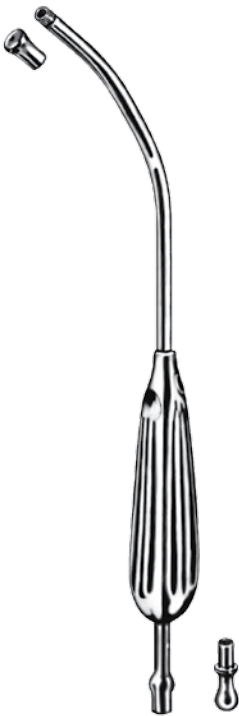
**ANTHONY 04.120.03**  
04.120.02 3.0 mm  
2.0 mm



**POOLE 04.130.10**  
ø 10 mm  
30 Fr.



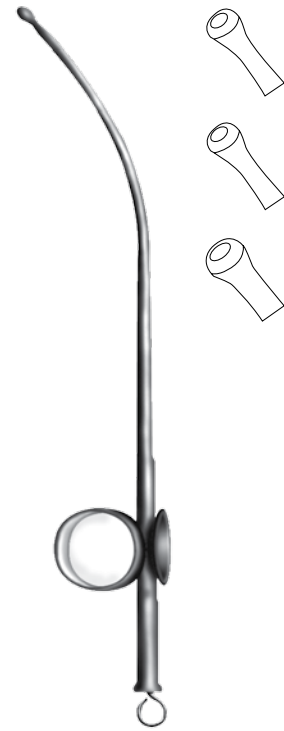
**POOLE 04.140.08**  
ø 8.0 mm  
23 Fr.






**YANKAUER 04.150.27**  
27 cm



**DE BAKEY 04.154.27**  
28 cm



**MAGILL 04.155.99**  
*stylet for aspiration tubes*  
24.5 cm

-  **04.155.30**  
3.0 mm
-  **04.155.35**  
3.5 mm
-  **04.155.40**  
4.0 mm



**COOLEY**  
**04.156.01**  
ø 8 mm  
36 cm / 14<sup>1/8</sup>"



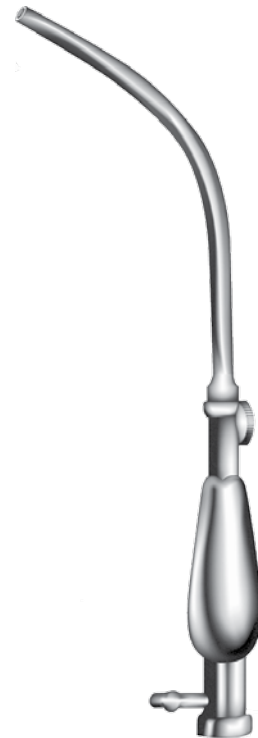
**COOLEY**  
**04.156.02**  
ø 10 mm  
31 cm / 12<sup>2/8</sup>"



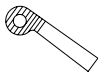
**COOLEY**  
**04.156.03**  
ø 7 mm  
31 cm / 12<sup>2/8</sup>"



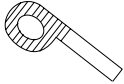
**COOLEY**  
**04.156.04**  
ø 8 mm  
36 cm / 14<sup>1/8</sup>"



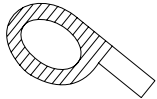
**MILLIN**  
**04.157.00**  
30 cm



**04.190.17**  
17 cm



**04.190.20**  
20 cm



**04.190.25**  
25 cm



**MAGILL**  
04.190.17 - 04.190.25



set / 3	<b>04.203.00</b>
set / 3 c.l.	<b>04.203.01</b>
set / 4	<b>04.204.00</b>
set / 4 c.l.	<b>04.204.01</b>

**McINTOSH**



fig. 0



fig. 1



fig. 2



fig. 3



fig. 4



fig. 1



fig. 2



fig. 3



fig. 4

**FOREGGER**

fig. 1	7 cm	04.220.01
fig. 2	9 cm	04.220.02
fig. 3	11 cm	04.220.03
fig. 4	13.5 cm	04.220.04

**McINTOSH**

Normal

Cold light

fig. 0	5.5 cm	04.210.00	04.211.00
fig. 1	7.5 cm	04.210.01	04.211.01
fig. 2	9 cm	04.210.02	04.211.02
fig. 3	11 cm	04.210.03	04.211.03
fig. 4	13.5 cm	04.210.04	04.211.04

**FOREGGER**

04.223.00

fig. 2 - 4

04.224.00

fig. 1 - 4





**GUEDEL NEGUS**  
04.224.01

**GUEDEL NEGUS**  
04.224.02

**MILLER**  
04.225.00  
*laryngoscope set*



**MILLER**  
04.226.00 - 04.226.04

fig. 0	55 mm	<b>04.226.00</b>
fig. 1	80 mm	<b>04.226.01</b>
fig. 2	130 mm	<b>04.226.02</b>
fig. 3	170 mm	<b>04.226.03</b>
fig. 4	180 mm	<b>04.226.04</b>



**BATTERY HANDLE**  
04.234.28 04.234.37  
*standard* 37 ø mm  
28 ø mm



**BATTERY HANDLE**  
04.238.01  
*cold light*



**04.239.01**  
*bulb for laryngoscopes*  
fig. 0 - 1



**04.239.02**  
*bulb for laryngoscopes*  
fig. 2 - 4



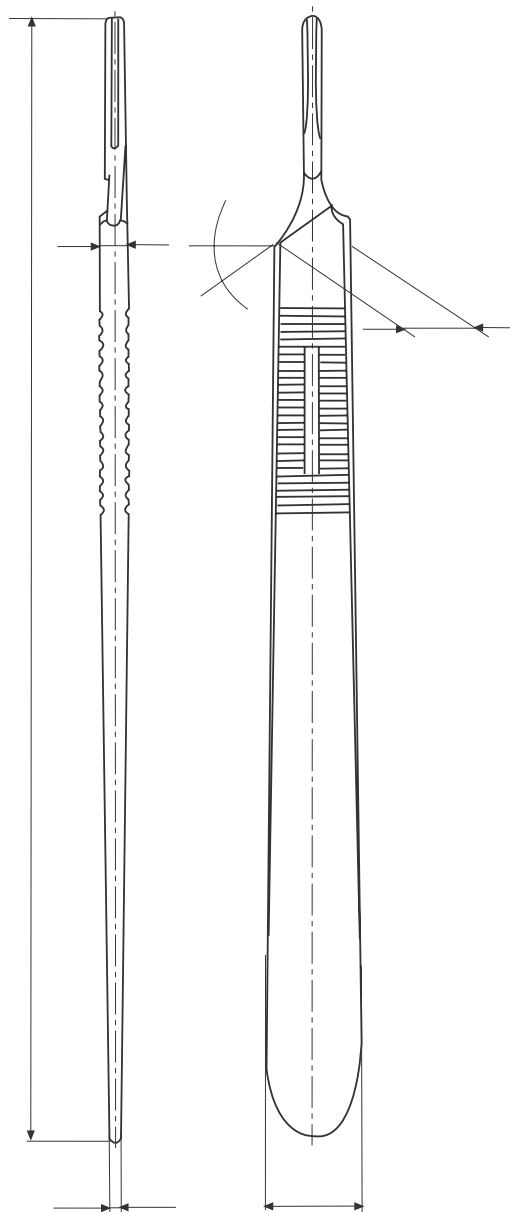
**04.240.00**  
*bulb for laryngoscopes*  
*cold-light handle*  
for all blades



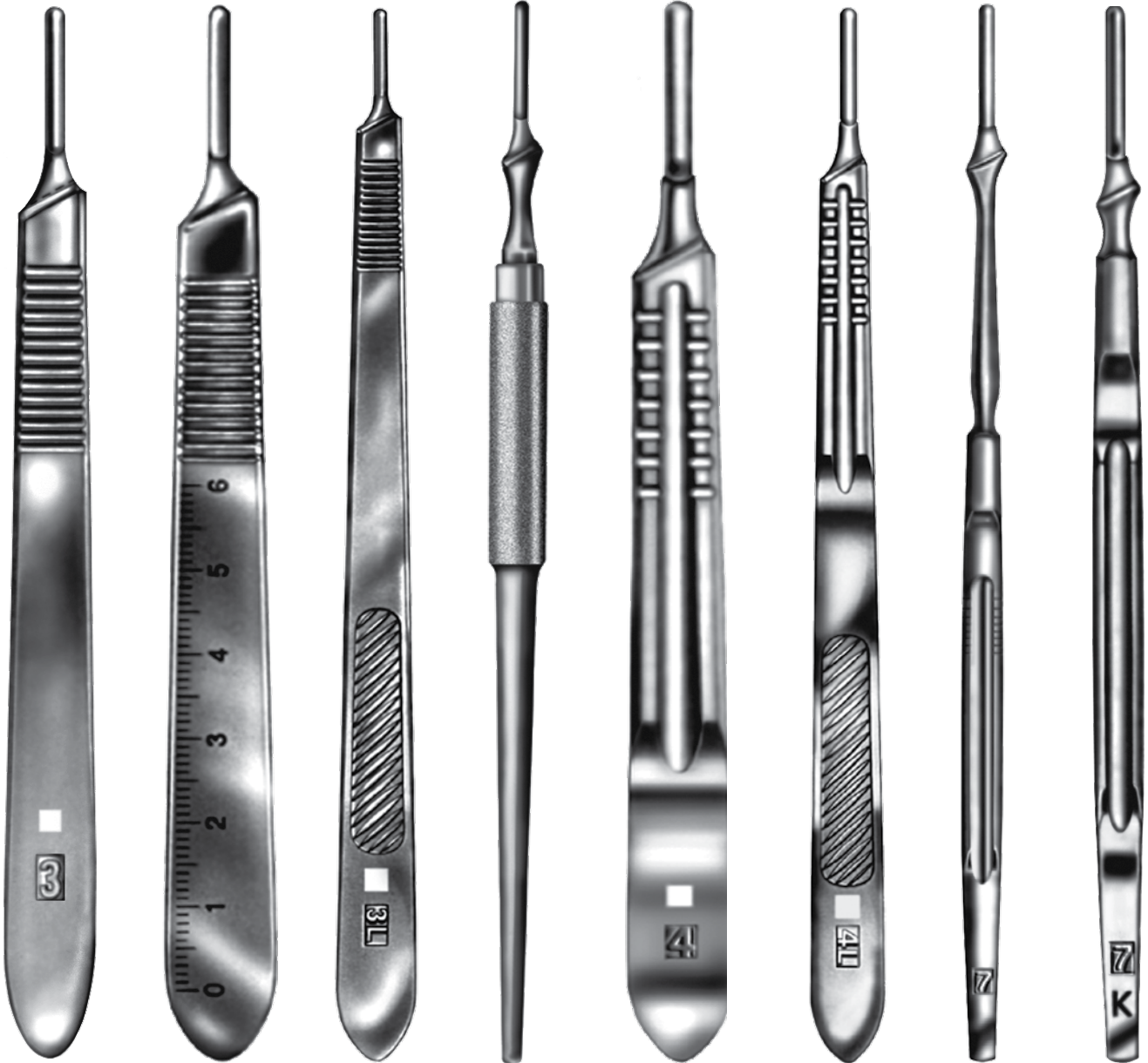
# 06

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**General Surgery**  
**Allgemeine Chirurgie**  
Cirugía General



SCALPEL HANDLES



**COLLIN**  
06.103.00  
*fig. 3*

**COLLIN**  
06.103.01  
*graduated*  
*fig. 3*

**COLLIN**  
06.103.02  
*fig. 3 L*

**COLLIN**  
06.103.03  
*fig. 3 R*

**COLLIN**  
06.104.00  
*fig. 4*

**COLLIN**  
06.104.02  
*fig. 4 L*

**COLLIN**  
06.105.00  
*fig. 5*

**COLLIN**  
06.107.01  
*fig. 7 K*

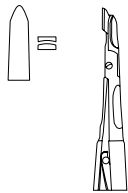
**06.107.00**  
*fig. 7*



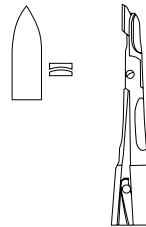
**COLLIN**  
06.108.00  
fig. 8



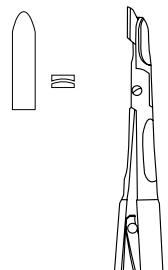
**COLLIN**  
06.109.00  
14.5 cm / 5 6/8"



**TROUTMAN-CHRIS**  
06.290.09  
blade breaker  
9 cm



**CASTROVIEJO**  
06.291.11  
blade breaker  
11 cm



**CASTROVIEJO**  
06.294.13  
blade breaker  
13 cm



**06.402.01 - 06.402.10**  
scalpel metal handle



**06.402.01**  
fig. 1



**06.402.02**  
fig. 2



**06.402.03**  
fig. 3



**06.402.04**  
fig. 4



**06.402.05**  
fig. 5



**06.402.06**  
fig. 6



**06.402.07**  
fig. 7



**06.402.08**  
fig. 8



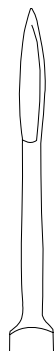
**06.402.09**  
fig. 9



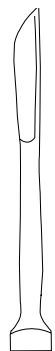
**06.402.10**  
fig. 10



**PARKER**  
**06.408.01 - 06.408.02**  
scalpel metal handle



**06.408.01**  
fig. 1



**06.408.02**  
fig. 2



**LANGENBECK**  
**06.410.05**  
resection knife  
length of blade  
5.5 cm 18 cm



**LANGENBECK**  
**06.412.05**  
resection knife  
length of blade  
5.5 cm 18 cm



<i>blade length</i>	<i>total length</i>	
13 cm	26 cm	<b>06.420.13</b>
16 cm	29cm	<b>06.420.16</b>
19 cm	32 cm	<b>06.420.19</b>
22 cm	35 cm	<b>06.420.22</b>
28 cm	41cm	<b>06.420.28</b>

**AMPUTATING KNIVES**  
06.420.13 - 06.420.28



<i>blade length</i>	<i>total length</i>	
17 cm	27 cm	<b>06.430.17</b>
20 cm	30cm	<b>06.430.20</b>

**LISTON**  
06.430.17 - 06.430.20



**HUMBY**  
**06.480.00**  
dermatome  
31 cm



**HUMBY**  
**06.480.01**  
dermatome spare  
blade



**SCHINK**  
**06.490.00**  
dermatome  
30 cm



**SCHINK**  
**06.490.01**  
dermatome spare  
blade



**SKIN STRAIGHTENING PLATE**  
06.490.02



**RAZOR KNIFE**  
06.494.00  
*with interchangeable blades*



**ARKANSAS**  
06.499.00  
*Whetstone*  
150 x 50 x 20 mm



**VIRCHOW**  
06.960.25  
*autopsy knife*



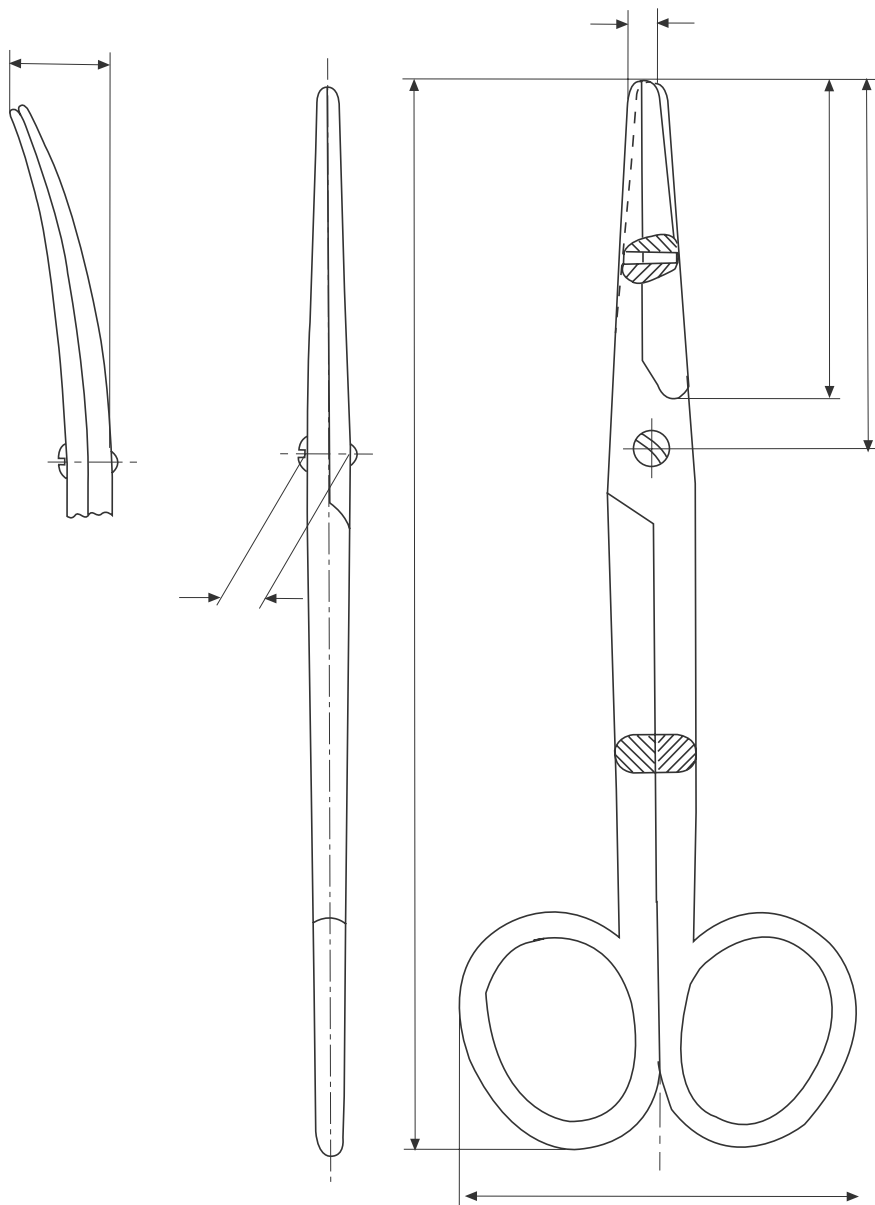
**06.980.16 - 06.980.24**  
*brain knife, hollow handle*

blade length	total length	
16 cm	29 cm	06.980.16
20 cm	33 cm	06.980.20
24 cm	37 cm	06.980.24

16 cm	29 cm	06.980.16
20 cm	33 cm	06.980.20
24 cm	37 cm	06.980.24

# 07

## Scissors DewiCut Scheren DewiCut Tijeras DewiCut



## DewiCut



ground edges

### DewiCut

Excellent cutting efficiency.

- Stainless Steel and Tungsten Carbide (TC).
- Extra hardened for lasting performance.
- The DewiCut scissor guarantees a fine minimally traumatizing cut.

DewiCut Tungsten Carbide (TC).

The tungsten Carbide inserts are for smooth and controlled cutting longlife cutting and solid and soft function.

### DewiCut

Alta eficiencia de corte.

- En acero inoxidable y carburo de tungsteno (TC).
- Endurecido para proporcionar al instrumento rendimiento permanente.
- Las tijeras DewiCut garantizan un corte fino mínimamente traumatizante.

DewiCut carburo de tungsteno (TC).

Los filos de carburo de tungsteno proporcionan corte altamente agudo filo duradero y accionamiento suave con corte exacto.

### DewiCut

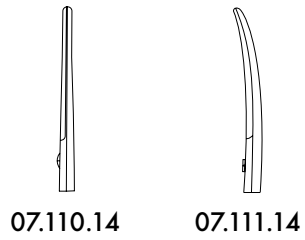
Optimale Schneidefähigkeit.

- Aus Edelstahl und Hartmetall (TC).
- Extra gehärtet für dauerhafte Leistung.
- Die DewiCut Schere gewährleistet einen feinen minimal tramatisierenden Schnitt.

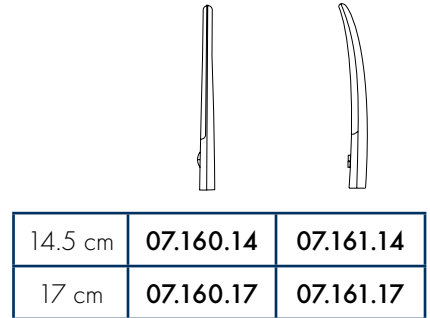
DewiCut Hartmetall (TC).

Die Hartmetalleinsätze garantieren einen scharfen Operationsschnitt, verlässlichen Dauerschleiß und exacten aber weichen Gang.

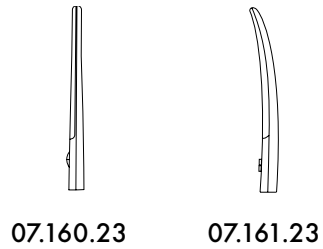




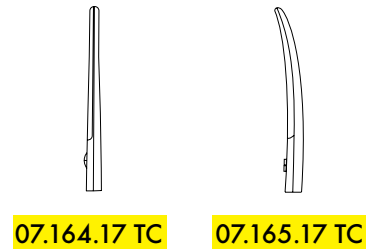
**STANDARD**  
 07.110.14 - 07.111.14  
 14.5 cm



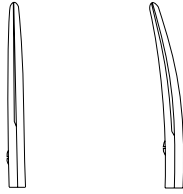
**MAYO**  
 07.160.14 - 07.161.17



**MAYO HARRINGTON**  
 07.160.23 - 07.161.23  
 23 cm

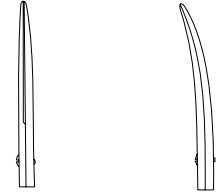


**MAYO**  
**07.164.17 TC - 07.165.17 TC**  
 17 cm



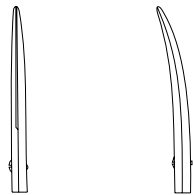
15 cm	<b>07.170.15</b>	<b>07.171.15</b>
17 cm	<b>07.170.17</b>	<b>07.171.17</b>

**MAYO STILLE**  
07.170.15 - 07.171.17



**07.174.17 TC** **07.175.17 TC**

**MAYO STILLE**  
**07.174.17 TC - 07.175.17 TC**  
17 cm

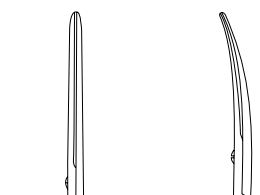


**07.190.16** **07.191.16**

**LEXER**  
07.190.16 - 07.191.16  
16 cm

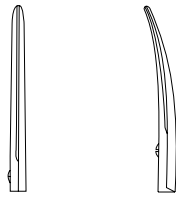
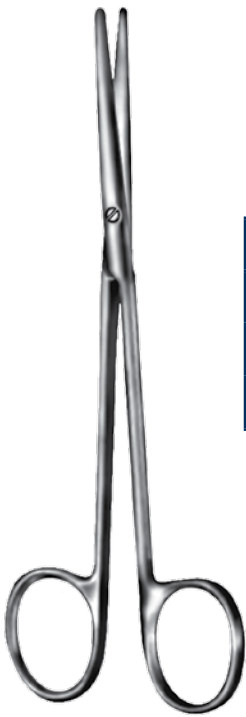


**LEXER**  
**07.195.16 TC**  
16 cm



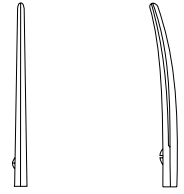
**07.280.11** **07.281.11**

**METZENBAUM baby**  
07.280.11 - 07.281.11  
11.5 cm



15 cm	07.280.15	07.281.15
18 cm	07.280.18	07.281.18
20 cm		07.281.20
23 cm	07.280.23	07.281.23

**METZENBAUM**  
 07.280.15 - 07.281.23



15 cm	07.282.15	07.283.15
18 cm		07.283.18
23 cm		07.283.23

**METZENBAUM**  
 07.282.15 - 07.283.23



15 cm	07.285.15 TC
18 cm	07.285.18 TC
23 cm	07.285.23 TC

**METZENBAUM**  
 07.285.15 TC - 07.285.23 TC



**METZENBAUM**  
 07.287.18 TC  
 18 cm



07.320.15



07.321.15

**REYNOLDS**  
07.320.15 - 07.321.15  
15 cm



07.340.11



07.341.11

**IRIS**  
07.340.11 - 07.341.11  
10.5 cm



07.344.11 TC



07.345.11 TC

**IRIS**  
07.344.11 TC - 07.345.11 TC  
11.5 cm



07.362.11



07.363.11

**STEVENS**  
07.362.11 - 07.363.11  
10.5 cm



07.374.11 TC



07.375.11TC

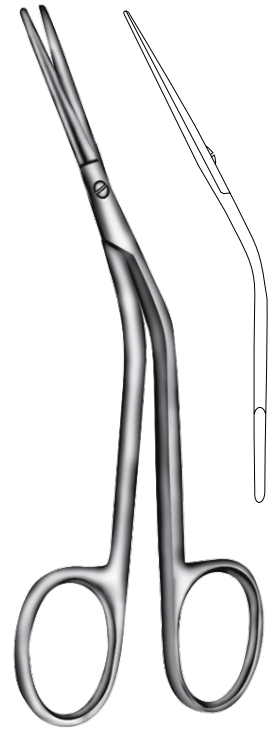
**STRABISMUS**  
07.374.11 TC - 07.375.11 TC  
12 cm



**HEYMANN**  
 07.401.18  
 17 cm



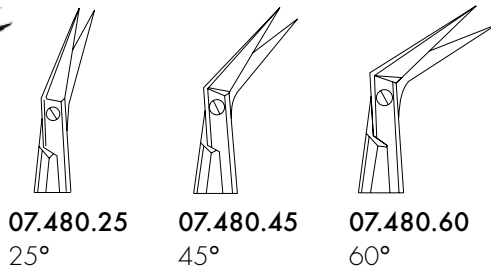
**FOMON**  
 07.403.15  
 15 cm



**COTTLE**  
 07.405.16  
 16 cm



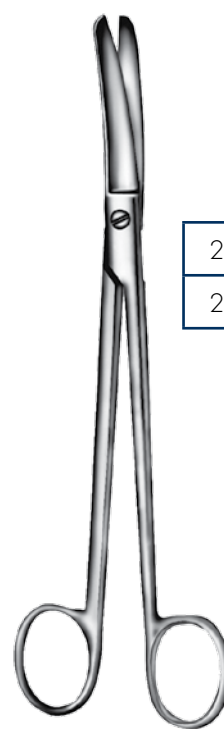
**POTTS SMITH**  
 07.480.25 - 07.480.60  
 19 cm



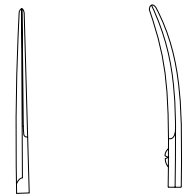
**07.480.25**  
 25°

**07.480.45**  
 45°

**07.480.60**  
 60°



**SIMS**  
 07.510.20 - 07.511.23



20 cm	<b>07.510.20</b>	<b>07.511.20</b>
23 cm		<b>07.511.23</b>



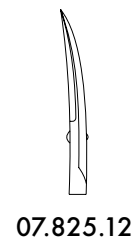
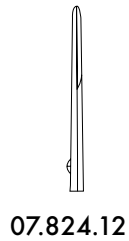
**SIEBOLD**  
07.523.24  
24.5 cm



**BRAUN STADLER**  
07.560.14      07.560.22  
15 cm              21 cm



**WAGNER**  
07.824.12 - 07.825.12  
12 cm

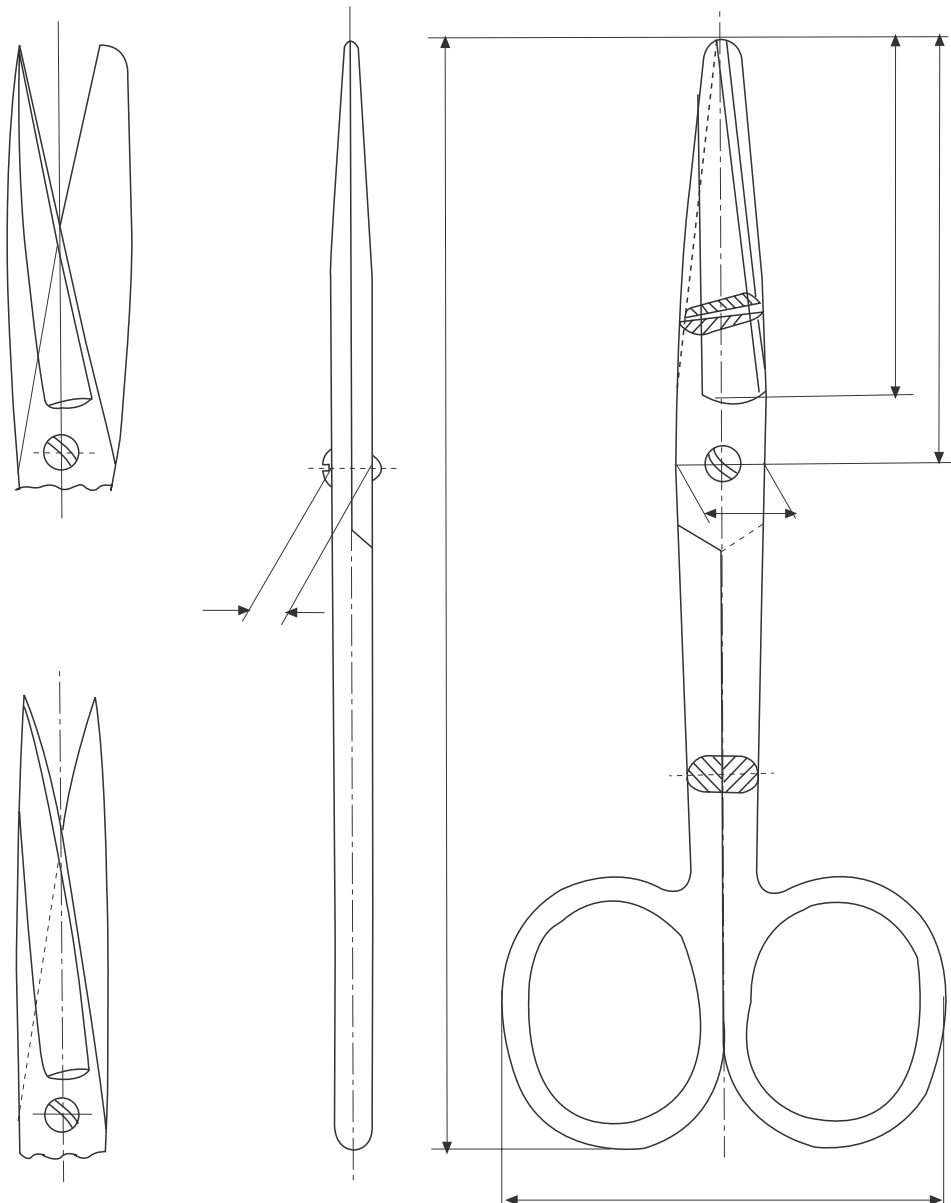


**LISTER**  
07.901.14 - 07.901.20

14 cm	07.901.14
18 cm	07.901.18
20 cm	07.901.20

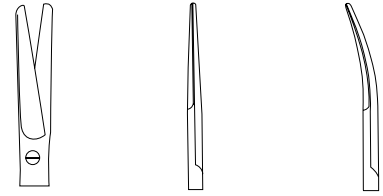
# 08

## Scissors Scheren Tijeras



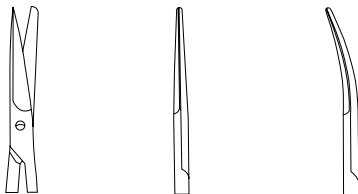


**STANDARD**  
08.102.10 - 08.125.18 TC



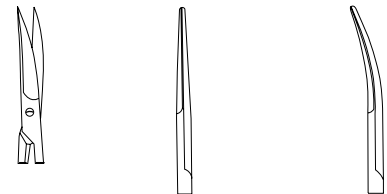
10.5 cm	<b>08.102.10</b>	
11.5 cm	<b>08.102.11</b>	<b>08.103.11</b>
13 cm	<b>08.102.13</b>	<b>08.103.13</b>
14.5 cm	<b>08.102.14</b>	<b>08.103.14</b>
15.5 cm	<b>08.102.15</b>	<b>08.103.15</b>
16.5 cm	<b>08.102.16</b>	<b>08.103.16</b>
18.5 cm	<b>08.102.18</b>	<b>08.103.18</b>
20 cm	<b>08.102.20</b>	<b>08.103.20</b>

14.5 cm	<b>08.104.14 TC</b>	<b>08.105.14 TC</b>
16.5 cm	<b>08.104.16 TC</b>	<b>08.105.16 TC</b>
18.5 cm	<b>08.104.18 TC</b>	<b>08.105.18 TC</b>



10.5 cm	<b>08.110.10</b>	
11.5 cm	<b>08.110.11</b>	<b>08.111.11</b>
13 cm	<b>08.110.13</b>	<b>08.111.13</b>
14.5 cm	<b>08.110.14</b>	<b>08.111.14</b>
15.5 cm	<b>08.110.15</b>	<b>08.111.15</b>
16.5 cm	<b>08.110.16</b>	<b>08.111.16</b>
18.5 cm	<b>08.110.18</b>	<b>08.111.18</b>
20 cm	<b>08.110.20</b>	<b>08.111.20</b>

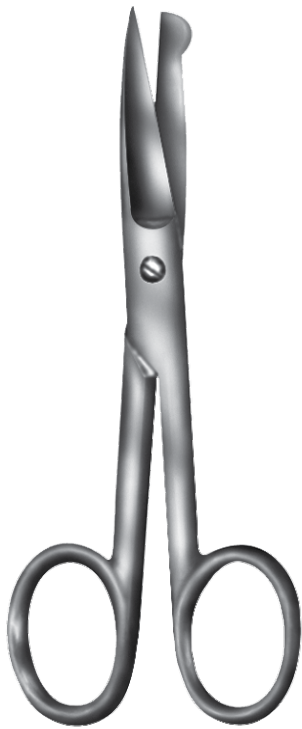
14.5 cm	<b>08.114.14 TC</b>	<b>08.115.14 TC</b>
16.5 cm	<b>08.114.16 TC</b>	<b>08.115.16 TC</b>
18.5 cm	<b>08.114.18 TC</b>	<b>08.115.18 TC</b>



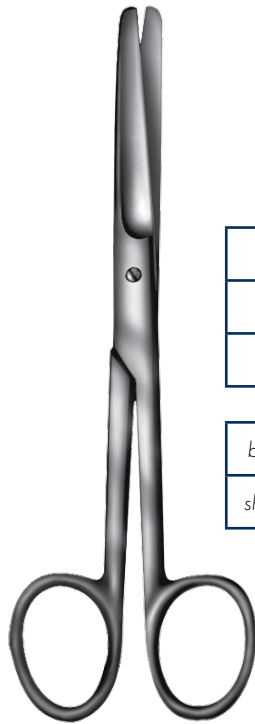
10.5 cm	<b>08.120.10</b>	
11.5 cm	<b>08.120.11</b>	<b>08.121.11</b>
13 cm	<b>08.120.13</b>	<b>08.121.13</b>
14.5 cm	<b>08.120.14</b>	<b>08.121.14</b>
15.5 cm	<b>08.120.15</b>	<b>08.121.15</b>
16.5 cm	<b>08.120.16</b>	<b>08.121.16</b>

14.5 cm	<b>08.124.14 TC</b>	<b>08.125.14 TC</b>
16.5 cm	<b>08.124.16 TC</b>	<b>08.125.16 TC</b>
18.5 cm	<b>08.124.18 TC</b>	<b>08.125.18 TC</b>





**DEWIMED**  
08.128.14  
14 cm

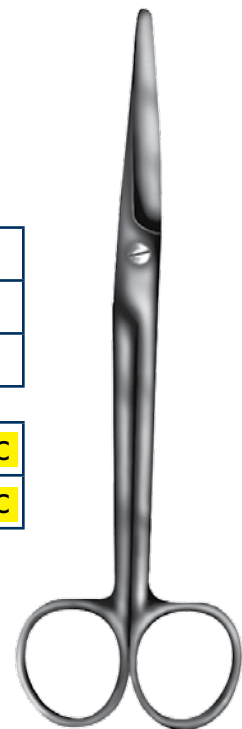


**DEAVER**  
08.130.14 - 08.151.14  
14 cm



<i>blunt / blunt</i>	<b>08.130.14</b>	<b>08.131.14</b>
<i>sharp / blunt</i>	<b>08.140.14</b>	<b>08.141.14</b>
<i>sharp / sharp</i>	<b>08.150.14</b>	<b>08.151.14</b>

<i>blunt / blunt TC</i>	<b>08.134.14 TC</b>	<b>08.135.14 TC</b>
<i>sharp / blunt TC</i>	<b>08.144.14 TC</b>	<b>08.145.14 TC</b>



**MAYO**  
08.158.17  
*toothed*  
17 cm



**MAYO**  
08.160.14 - **08.165.23 TC**

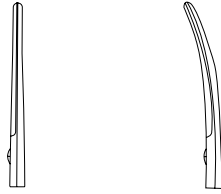
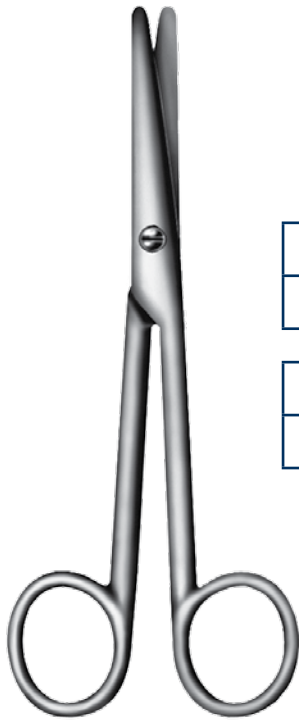


14.5 cm	<b>08.160.14</b>	<b>08.161.14</b>
17 cm	<b>08.160.17</b>	<b>08.161.17</b>
23 cm	<b>08.160.23</b>	<b>08.161.23</b>

14.5 cm	<b>08.164.14 TC</b>	<b>08.165.14 TC</b>
17 cm	<b>08.164.17 TC</b>	<b>08.165.17 TC</b>
23 cm	<b>08.164.23 TC</b>	<b>08.165.23 TC</b>



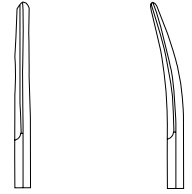
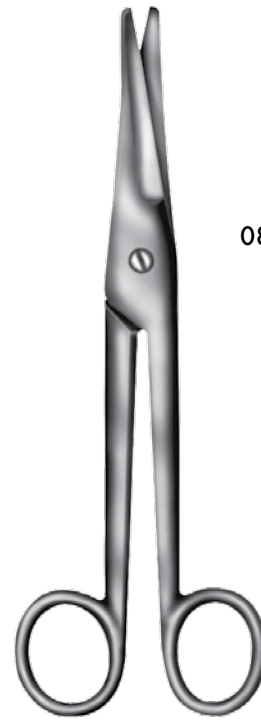
**MAYO STILLE**  
08.166.16  
16 cm



15 cm	<b>08.170.15</b>	<b>08.171.15</b>
17 cm	<b>08.170.17</b>	<b>08.171.17</b>

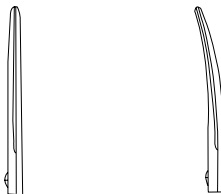
15 cm	<b>08.174.15 TC</b>	<b>08.175.15 TC</b>
17 cm	<b>08.174.17 TC</b>	<b>08.175.17 TC</b>

**MAYO STILLE**  
08.170.15 - 08.175.17 TC



**08.180.17 08.181.17**

**MAYO NOBLE**  
08.180.17 - 08.181.17  
17 cm



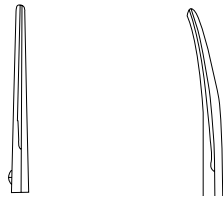
16 cm	<b>08.190.16</b>	<b>08.191.16</b>
21 cm	<b>08.190.21</b>	<b>08.191.21</b>

16 cm	<b>08.194.16 TC</b>	<b>08.195.16 TC</b>
21 cm	<b>08.194.21 TC</b>	<b>08.195.21 TC</b>

**LEXER**  
08.190.16 - **08.195.21 TC**

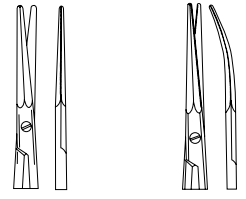
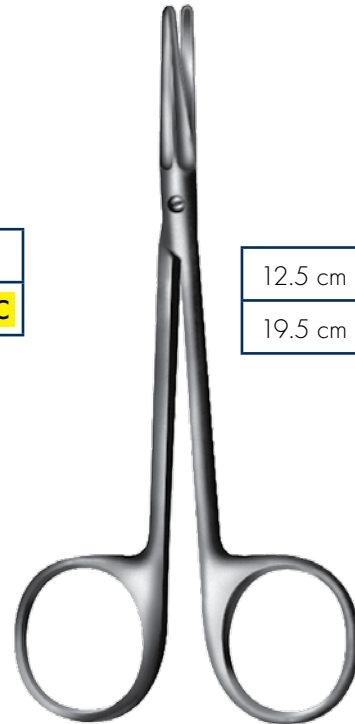


**LEXER**  
08.197.16  
16 cm



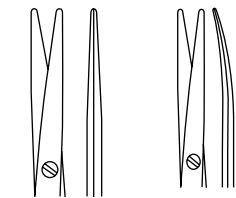
10 cm	08.202.10	08.203.10
10 cm	08.206.10 TC	08.207.10 TC

**LEXER baby**  
08.202.10 - 08.207.10 TC  
10 cm



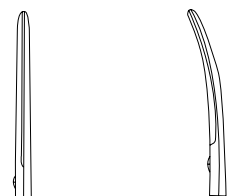
12.5 cm	08.212.12	
19.5 cm	08.212.19	08.213.19

**GORNEY**  
08.212.12 - 08.213.19



08.280.11 08.281.11

**METZENBAUM baby**  
08.280.11 - 08.281.11  
11.5 cm

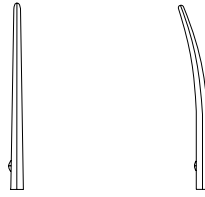


15 cm	08.280.15	08.281.15
18 cm	08.280.18	08.281.18
20 cm	08.280.20	08.281.20
23 cm	08.280.23	08.281.23
25 cm	08.280.25	08.281.25
28 cm	08.280.28	08.281.28
30 cm	08.280.30	08.281.30

**METZENBAUM**  
08.280.15 - 08.281.30



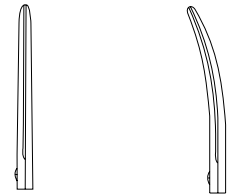
**METZENBAUM**  
08.282.15 - 08.283.23



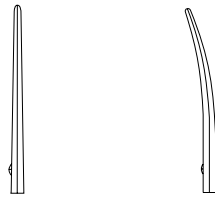
15 cm	<b>08.282.15</b>	<b>08.283.15</b>
18 cm	<b>08.282.18</b>	<b>08.283.18</b>
20 cm	<b>08.282.20</b>	<b>08.283.20</b>
23 cm	<b>08.282.23</b>	<b>08.283.23</b>



**METZENBAUM**  
**08.284.15 TC - 08.285.30 TC**



15 cm	<b>08.284.15 TC</b>	<b>08.285.15 TC</b>
18 cm	<b>08.284.18 TC</b>	<b>08.285.18 TC</b>
20 cm	<b>08.284.20 TC</b>	<b>08.285.20 TC</b>
23 cm	<b>08.284.23 TC</b>	<b>08.285.23 TC</b>
25 cm	<b>08.284.25 TC</b>	<b>08.285.25 TC</b>
28 cm	<b>08.284.28 TC</b>	<b>08.285.28 TC</b>
30 cm	<b>08.284.30 TC</b>	<b>08.285.30 TC</b>



15 cm	08.286.15 TC	08.287.15 TC
18 cm	08.286.18 TC	08.287.18 TC
20 cm	08.286.20 TC	08.287.20 TC
23 cm	08.286.23 TC	08.287.23 TC
25 cm	08.286.25 TC	08.287.25 TC
28 cm	08.286.28 TC	08.287.28 TC

**METZENBAUM**

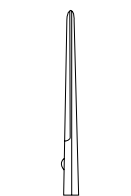
08.286.15 TC - 08.287.28 TC



**METZENBAUM**

08.291.18 - 08.295.18 TC

18 cm



08.302.14



08.303.14

**SANVENERO**

08.302.14 - 08.303.14

14 cm



08.304.14



08.305.14

**JOSEPH**

08.304.14 - 08.305.14

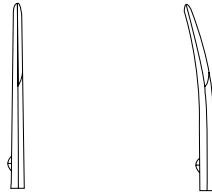
plastic  
14 cm



**KILNER**

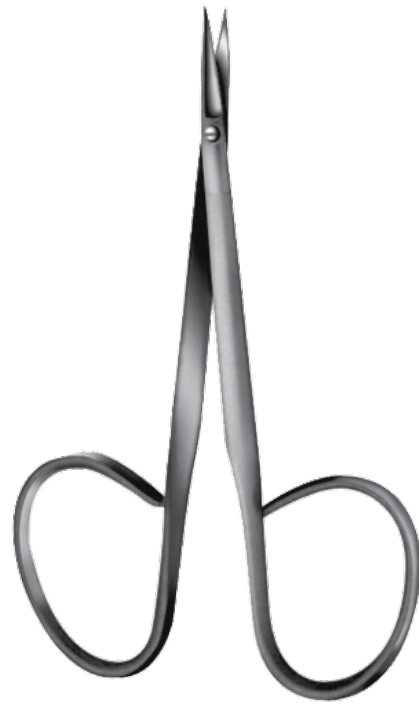
08.310.12 - 08.314.15 TC

12 cm	08.310.12	08.314.12 TC
15 cm	08.310.15	08.314.15 TC



15 cm	<b>08.320.15</b>	<b>08.321.15</b>
18 cm		<b>08.321.18</b>
15 cm	<b>08.324.15 TC</b>	<b>08.325.15 TC</b>

**REYNOLDS**  
08.320.15 - **08.325.18 TC**



**08.324.09**



**08.325.09**

**IRIS**  
08.324.09 - 08.325.09  
9 cm



**08.326.10**



**08.327.10**

**IRIS**  
08.326.10 - 08.327.10  
10 cm



**08.328.10**



**08.329.10**

**IRIS**  
08.328.10 - 08.329.10  
10 cm



**08.331.09**



**08.333.09**

**IRIS**  
08.331.09 - 08.333.09  
9 cm



08.336.10



08.337.10

**KNAPP**  
08.336.10 - 08.337.10  
10 cm



08.338.10



08.339.10

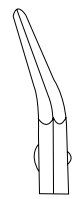
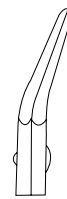
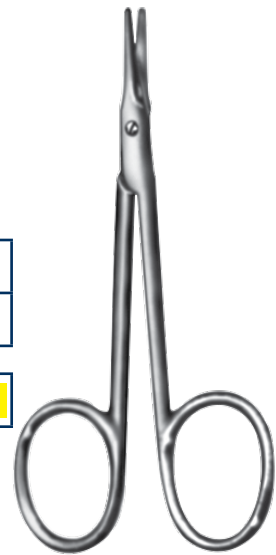
**KNAPP**  
08.338.10 - 08.339.10  
10 cm



9 cm	08.340.09	08.341.09
11 cm	08.340.11	08.341.11

11 cm	08.344.11 TC	08.345.11 TC
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**IRIS STANDARD**  
08.340.09 - 08.345.11 TC



08.349.09  
*right*

08.347.09  
*left*

**AEBLI**  
08.347.09 - 08.349.09  
9 cm



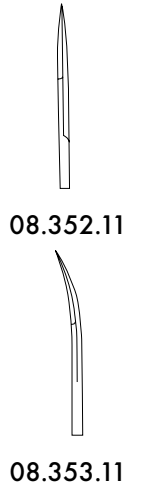
**GRAEFE**  
08.349.11  
10.5 cm



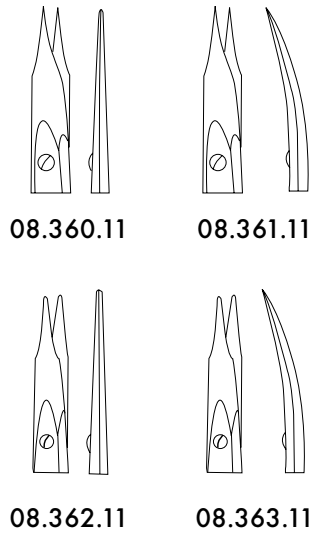
**BONNEYE**  
08.350.08 - 08.351.08  
8 cm



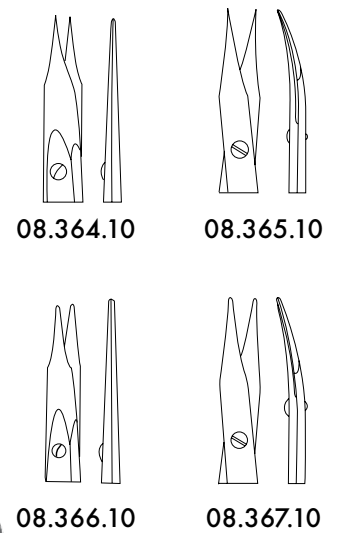
**FIREEYE**  
08.352.11 - 08.353.11  
11 cm



**STEVENS**  
08.360.11 - 08.363.11  
11 cm



**STEVENS**  
08.364.10 - 08.367.10  
10 cm



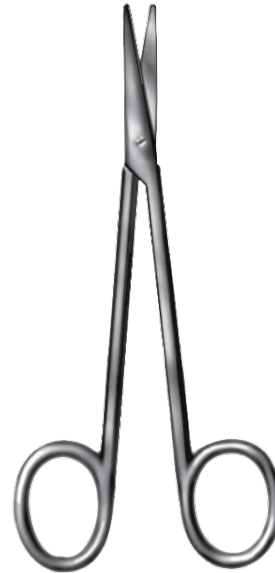




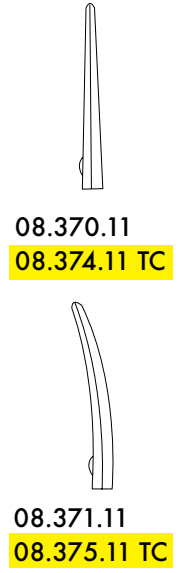
**STEVENS**  
08.369.10  
10 cm



**STEVENS**  
08.369.12  
12 cm



**STRABISMUS**  
08.370.11 - 08.375.11 TC  
11 cm



08.370.11  
08.374.11 TC  
08.371.11  
08.375.11 TC



**LANDONT**  
08.381.11 - 08.383.11  
11 cm



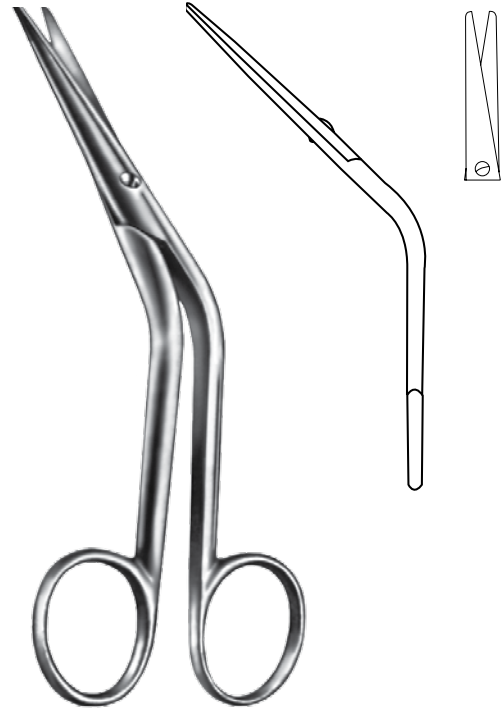
**HEYMANN**  
08.401.18  
18 cm



**FOMON**  
08.403.15  
15 cm



**FOMON**  
**08.404.15**  
14.5 cm



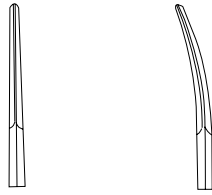
**COTTLE**  
**08.405.16**  
16 cm



**COTTLE**  
**08.406.16**  
16 cm

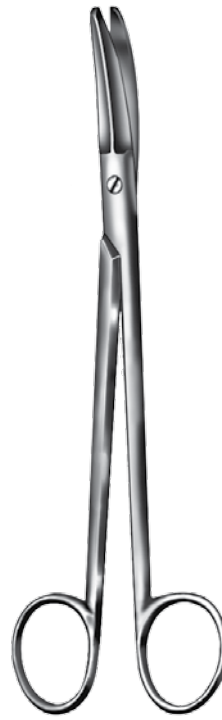


**LANDOLT**  
**08.410.12**  
12 cm



14 cm	08.420.14	08.421.14
18 cm	08.420.18	08.421.18

**BEUSE**  
08.420.14 - 08.421.18



08.425.17



08.427.17

**DEAN**  
08.425.17 - 08.427.17  
17 cm



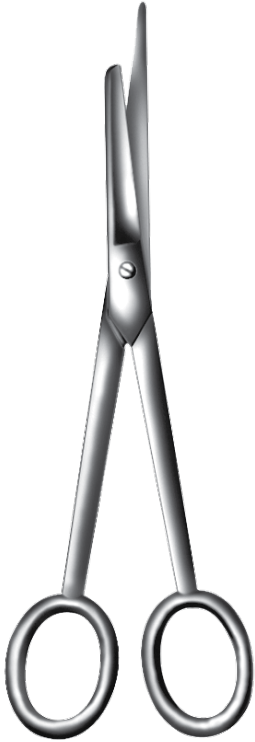
**BOETTCHER**  
08.435.18  
18 cm



**GOOD**  
08.437.19  
19 cm



**PRINCE**  
08.439.17  
17 cm



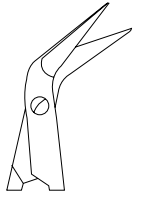
**DEWIMED**  
**08.468.15**  
15 cm



**DEWIMED**  
**08.470.11**  
11 cm



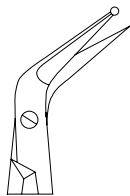
**POTTS DE MARTEL**  
**08.473.21**  
21 cm



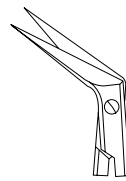
**08.473.24**  
24 cm



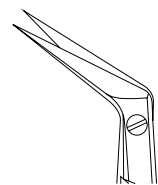
**MILLS**  
**08.475.22**  
22 cm



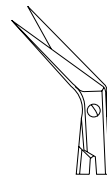
**POTTS SMITH**  
**08.480.25 - 08.484.60 TC**  
19 cm



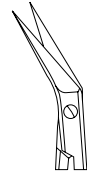
**08.480.25 - 08.484.25 TC**  
25°



**08.480.45 - 08.484.45 TC**  
45°



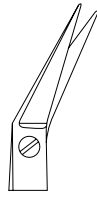
**08.480.40 - 08.484.40 TC**  
40°



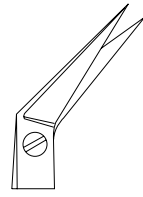
**08.480.60 - 08.484.60 TC**  
60°



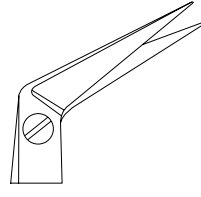
**DIETHRICH**  
08.486.25 - 08.487.25  
18 cm



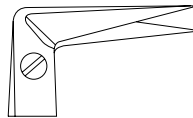
**08.486.25**  
25°



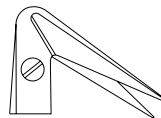
**08.486.45**  
45°



**08.486.60**  
60°



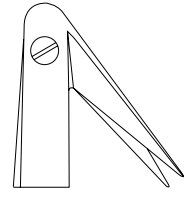
**08.486.90**  
90°



**08.487.25**  
125°



**DIETHRICH**  
08.488.25  
125°  
18 cm



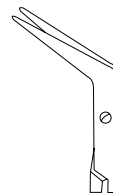
**DE BAKEY**  
08.490.16 - 08.492.28



25°



45°

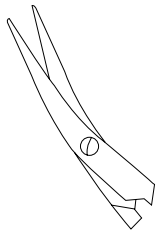


60°

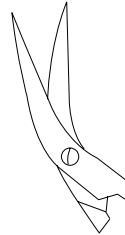
16 cm	<b>08.490.16</b>	<b>08.491.16</b>	<b>08.492.16</b>
23 cm	<b>08.490.23</b>	<b>08.491.23</b>	<b>08.492.23</b>
28 cm	<b>08.490.28</b>	<b>08.491.28</b>	<b>08.492.28</b>



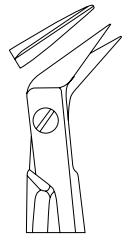
**DE BAKEY**  
**08.493.23 TC**  
45°  
22 cm



08.495.15



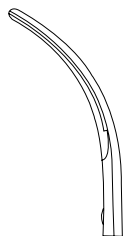
08.497.15



**DE BAKEY**  
08.495.15 - 08.497.15  
15 cm



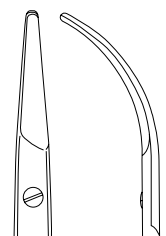
**DE BAKEY**  
08.498.19  
19 cm



08.501.22  
22.5 cm

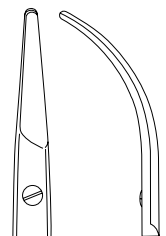


08.501.23  
23 cm



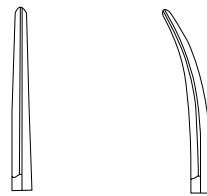
08.505.22 TC

**DEWIMED**  
08.501.22 - 08.501.23



08.505.23 TC  
23 cm

**DEWIMED**  
08.505.22 TC - 08.505.23 TC



20 cm	<b>08.510.20</b>	<b>08.511.20</b>
23 cm	<b>08.510.23</b>	<b>08.511.23</b>
23 cm	<b>08.514.23 TC</b>	<b>08.515.23 TC</b>

**SIMS**  
08.510.20 - **08.515.23 TC**



**SIEBOLD**  
08.523.24  
24.5 cm



**WERTHEIM**  
08.525.22  
23 cm



**WERTHEIM**  
**08.527.22 TC**  
23 cm



08.530.17 08.531.17

**DOYEN**  
08.530.17 08.531.17  
16 cm 18 cm

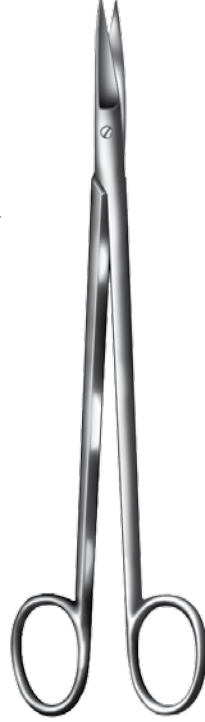




**08.536.27**  
25 cm



**08.537.27**  
27 cm



16 cm	<b>08.540.16</b>	<b>08.541.16</b>
18 cm	<b>08.540.18</b>	<b>08.541.18</b>



**DUBOIS**  
08.536.27 - 08.537.27

**KELLY**  
08.540.16 - 08.541.18

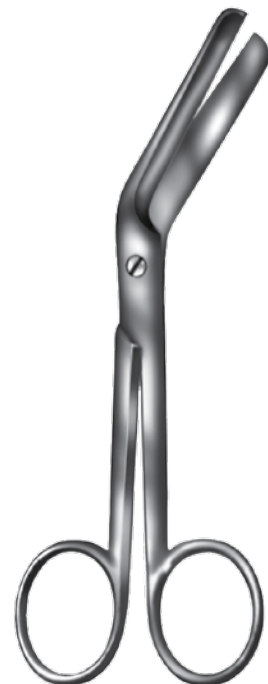
**U.S.A.**  
08.550.10  
10.5 cm



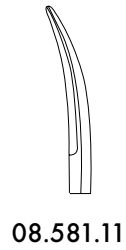
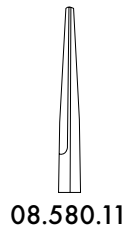
**BUSCH**  
08.551.16  
13.5 cm



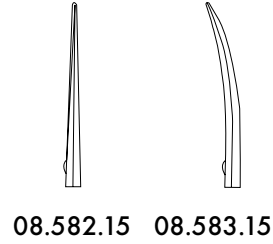
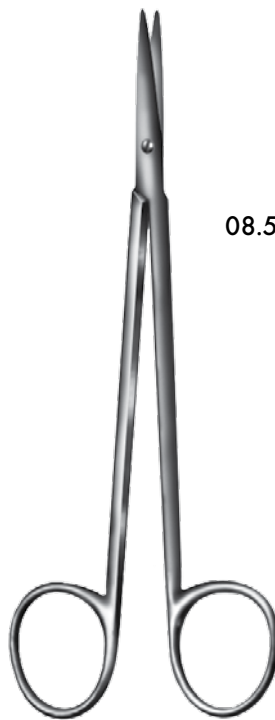
**SCHUMACHER**  
08.553.16  
15.5 cm



**BRAUN STADLER**  
08.560.14      08.560.22  
14.5 cm      22.5 cm



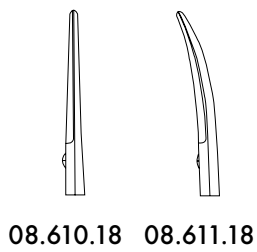
**STANDARD**  
08.580.11 - 08.581.11  
11 cm



**STANDARD**  
08.582.15 - 08.583.15  
15 cm



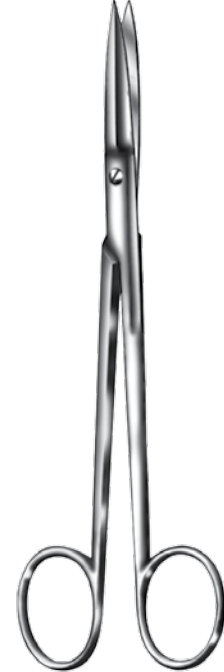
**STRULLY**  
08.601.22  
22 cm



**TOENNIS ADSON**  
08.610.18 - 08.611.18  
18 cm



**TOENNIS ADSON**  
08.613.17  
17 cm



**MC INDOE**  
08.614.19  
18.5 cm



**MARTIN**  
08.615.13    08.615.20  
13 cm        20 cm



**DANDY**  
08.617.17  
17 cm



**SCHMEIDEN TAYLOR**  
08.619.17  
16 cm



**FAVALORO**  
**08.620.15**  
14.5 cm



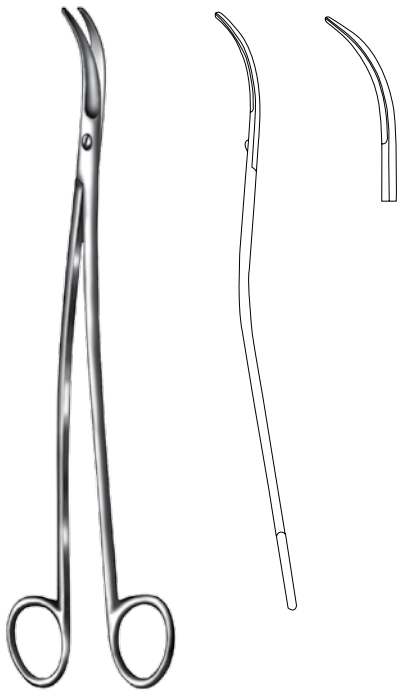
**WILLAUER**  
08.641.27  
27 cm



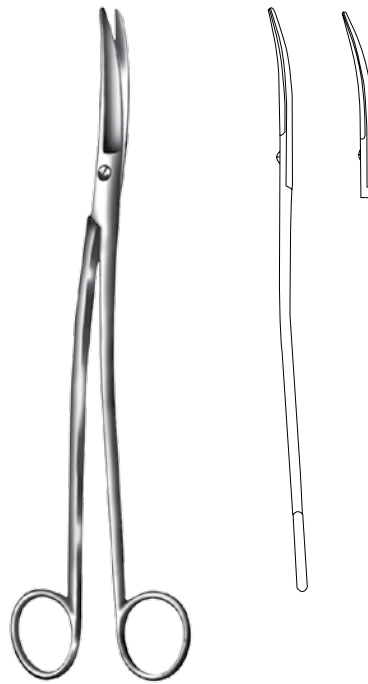
**CRAFOORD**  
08.641.30  
30 cm



**THOREK**  
08.643.18    08.643.25  
19 cm        25 cm



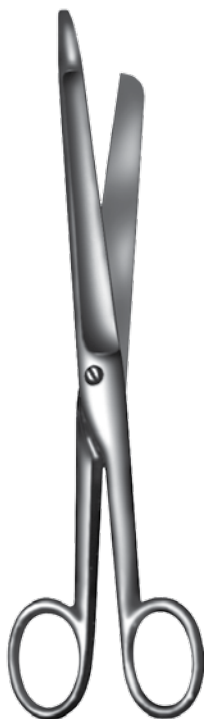
**SATINSKY**  
08.651.24  
24 cm



**KLINKENBERGH LOTH**  
08.661.23  
23 cm



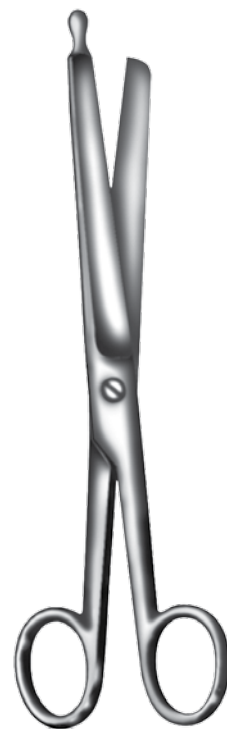
**FINOCHIETTO**  
08.663.27  
28 cm



**DEWIMED**  
08.770.21  
21 cm



**DEWIMED**  
08.772.21  
21 cm



**DEWIMED**  
08.774.21  
21 cm



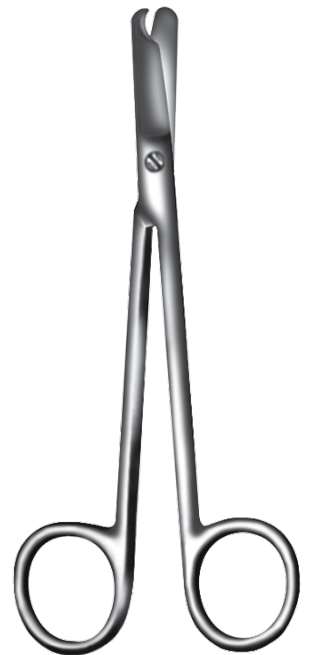
**SPENCER**  
**08.802.09**  
9 cm



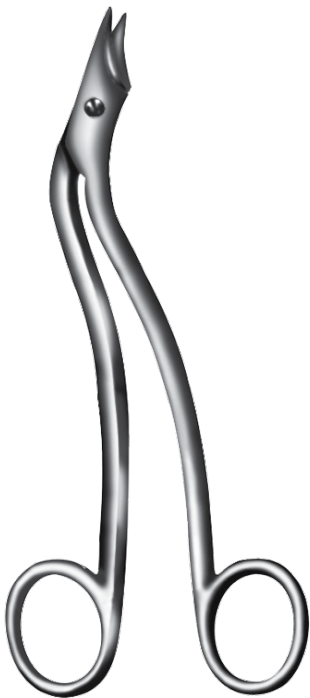
**SPENCER**  
**08.802.11**  
11 cm



**NORTHBENT SPENCER**  
**08.803.13**  
12 cm



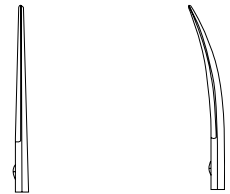
**LITTAUER**  
**08.804.14**  
13.5 cm



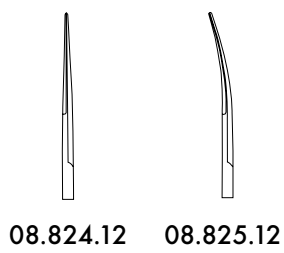
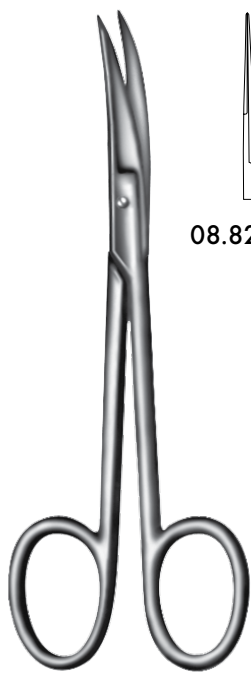
**HEATH**  
**08.809.15**  
15 cm



**GOLDMAN FOX**  
**08.820.13 - 08.823.13 TC**  
13 cm

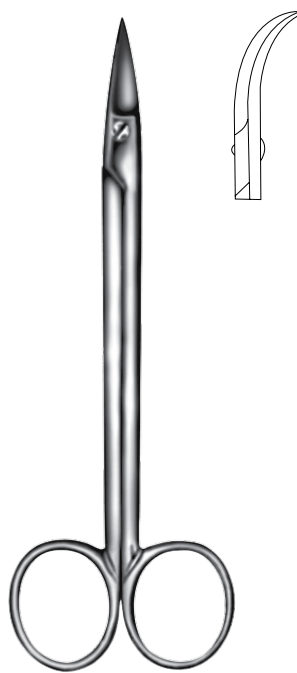


13 cm	<b>08.820.13</b>	<b>08.821.13</b>
13 cm	<b>08.822.13 TC</b>	<b>08.823.13 TC</b>

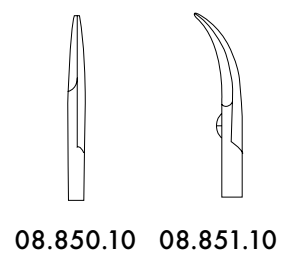
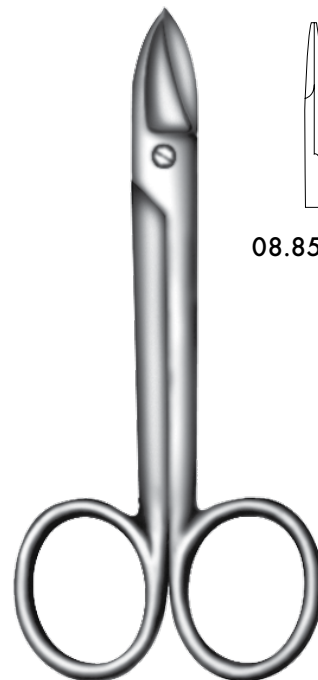


08.824.12 08.825.12

**WAGNER**  
08.824.12 - 08.825.12  
12 cm

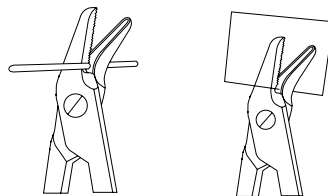
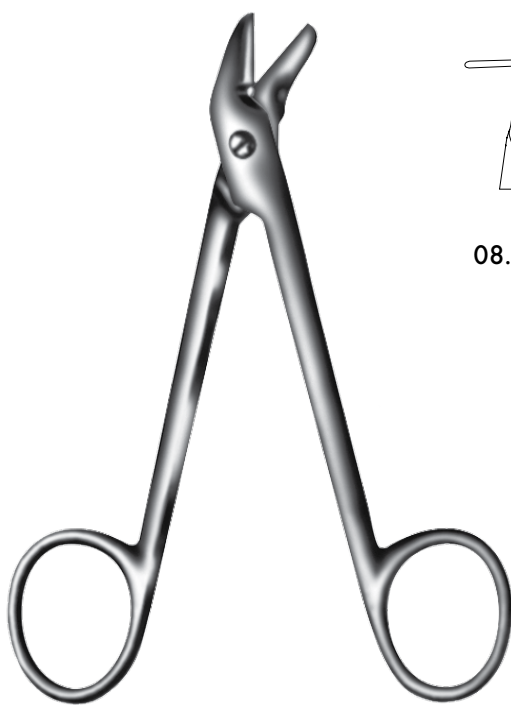


**QUINBY**  
08.827.12  
13 cm



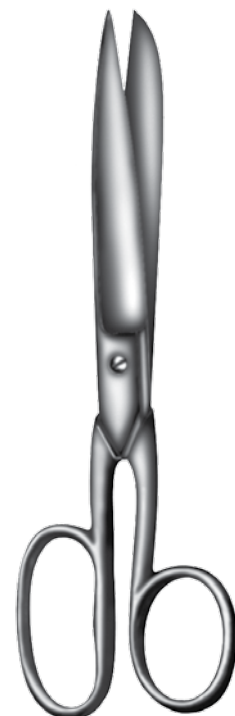
08.850.10 08.851.10

**BEEBEE**  
08.850.10 - 08.851.10  
10.5 cm



08.831.12 08.835.12 TC

**UNIVERSAL**  
08.831.12 - 08.835.12 TC  
12 cm



**SMITH US**  
08.898.20  
18 cm



9 cm	<b>08.901.09</b>
11 cm	<b>08.901.11</b>
14 cm	<b>08.901.14</b>
18 cm	<b>08.901.18</b>
20 cm	<b>08.901.20</b>

**LISTER**  
08.901.09 - 08.901.20



14 cm	<b>08.905.14 TC</b>
18 cm	<b>08.905.18 TC</b>
20 cm	<b>08.905.20 TC</b>

**LISTER**  
**08.905.14 TC - 08.905.20 TC**



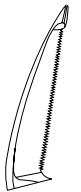
**BERGMANN**  
**08.911.23**  
23 cm



**ESMARCH** **08.913.22**  
**08.913.20** 22 cm  
20 cm



**DEWIMED**  
**08.921.16** **08.921.19**  
16 cm 19 cm







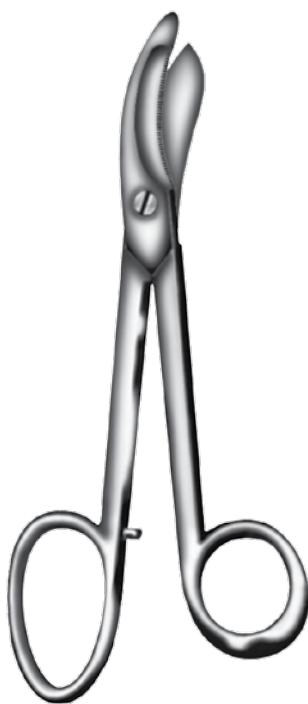
**KNOWLES**  
08.930.14  
14.5 cm



**LORENZ**  
08.933.23  
24 cm



**DEWIMED**  
08.941.20  
21 cm



**BRUNS**  
08.935.23 - 08.939.23 TC  
23.5 cm



08.935.23  
08.939.23 TC  
plain  
23.5 cm



08.937.23  
serrated  
23.5 cm

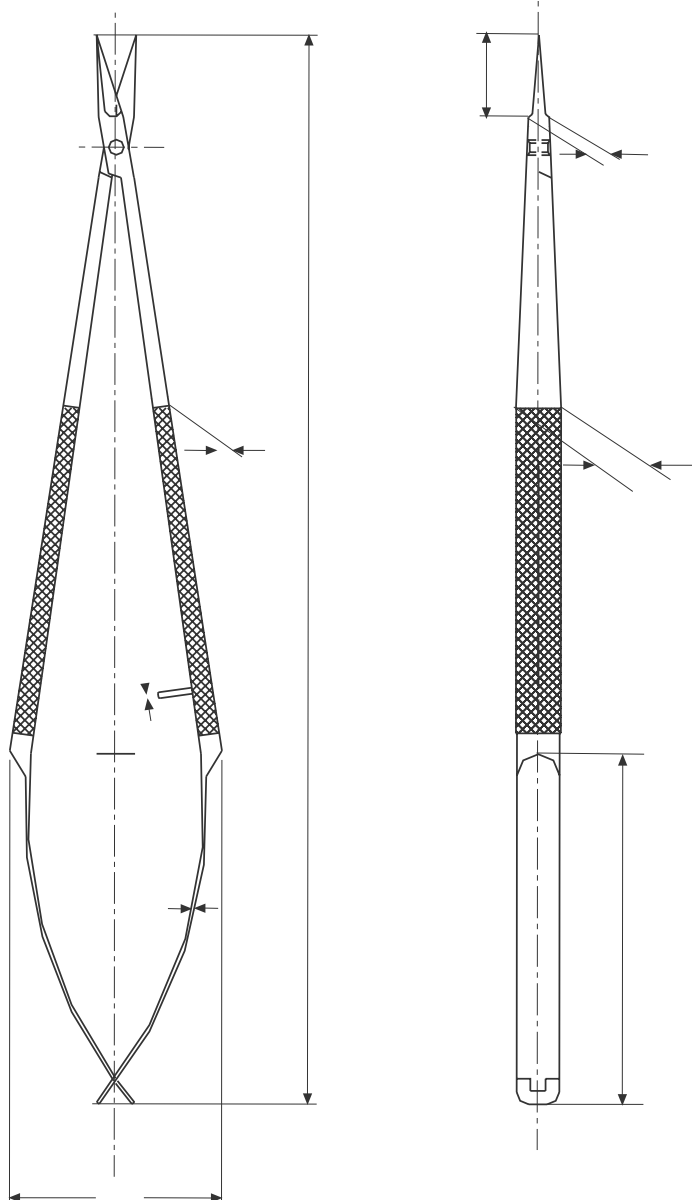


**UNIVERSAL**  
08.950.15      08.950.18  
14.5 cm      18 cm



# 09

## Microscissors Mikroscheren Microtijeras

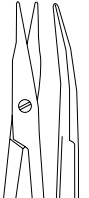




**McPHERSON  
WESTCOTT**  
09.102.10  
10 cm



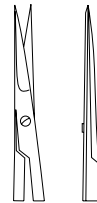
**WESTCOTT**  
09.102.11  
11 cm



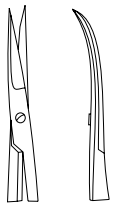
**McPHERSON  
WESTCOTT**  
09.104.10  
10 cm



**WESTCOTT**  
09.104.11  
11 cm



**WESTCOTT**  
09.106.11  
11 cm



**WESTCOTT**  
09.107.11  
11 cm



**NOYES**  
**09.108.10**  
 10 cm



**NOYES**  
**09.110.12**  
 12cm



**NOYES**  
**09.111.12**  
 12 cm



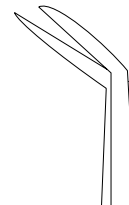
**WECKER**  
**09.113.07**  
 11 cm / 7 mm



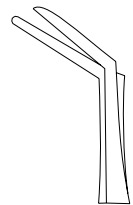
**WECKER**  
**09.113.11 - 09.117.11**  
 11 cm



**09.113.11**



**09.115.11**



**09.117.11**



**NOYES**  
09.113.12  
12 cm



**WECKER**  
09.115.07  
11 cm  
tip 7 mm



**WECKER**  
09.116.11  
11 cm  
tip 11 mm



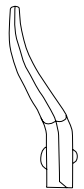
**WECKER**  
09.117.07  
11 cm  
tip 7 mm



**BARRAQUER**  
09.119.10  
5 cm



**McGUIRE**  
09.121.10  
10 cm





**CASTROVIEJO**  
 09.133.09  
 9 cm



**CASTROVIEJO**  
 09.133.10  
 10 cm



**CASTROVIEJO**  
 09.135.10  
 10 cm



09.137.10



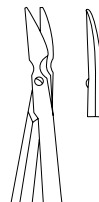
09.139.10



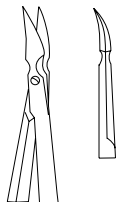
**CASTROVIEJO**  
 09.137.10 - 09.139.10  
 10 cm



**VANNAS**  
 09.140.08  
 8 cm



**VANNAS**  
 09.141.08  
 8 cm



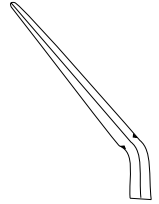




**GILLS WELSCH**  
09.142.01  
8 cm



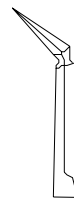
**GILLS WELSCH**  
09.142.02  
8 cm



**GILLS WELSCH**  
09.142.03  
8 cm



**GILLS WELSCH**  
09.142.04  
8 cm



09.143.08



09.144.08

**VANNAS**  
09.143.08 - 09.144.08  
8 cm



**CASTROVIEJO**  
09.151.11  
11 cm



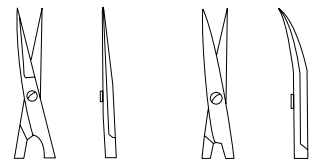
**CASTROVIEJO**  
 09.153.11  
 11 cm



**CASTROVIEJO**  
 09.155.11  
 11 cm



**CASTROVIEJO**  
 09.202.18 - 09.203.18



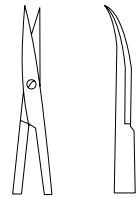
14 cm		09.203.14
18 cm	09.202.18	09.203.18



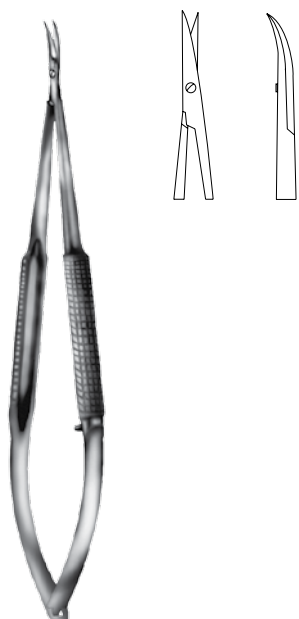
**CASTROVIEJO**  
 09.220.14      09.220.18  
 14.5 cm      18 cm



**CASTROVIEJO**  
 09.220.23  
 23 cm



**CASTROVIEJO**  
 09.221.14      09.221.18  
 14.5 cm      18 cm



**DEWIMED**  
**09.223.14**  
14.5 cm  
**09.223.18**  
18 cm



**DEWIMED**  
**09.250.16**  
16.5 cm  
**09.250.20**  
20 cm



**DEWIMED**  
**09.250.22**  
22.5 cm



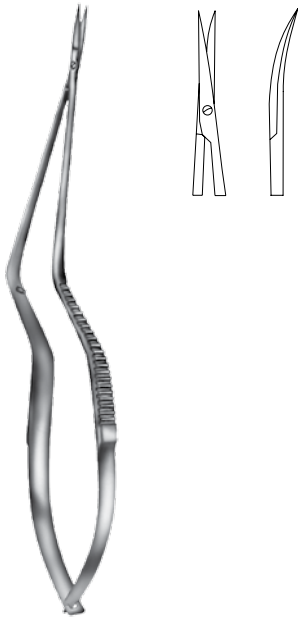
**DEWIMED**  
**09.251.16**  
16.5 cm  
**09.251.20**  
20 cm



**DEWIMED**  
**09.251.22**  
22.5 cm  
**09.251.24**  
24.5 cm



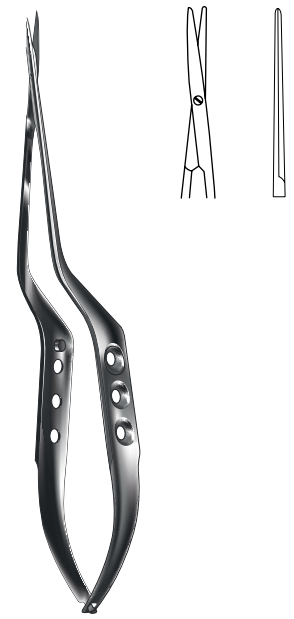
**DEWIMED**  
**09.251.23**  
23 cm



**YASARGIL**  
**09.253.20**  
 20 cm  
**09.253.22**  
 22.5 cm



**YASARGIL**  
**09.254.16**    **09.254.20**  
 16 cm            20 cm  
**09.254.18**  
 18 cm



**YASARGIL**  
**09.254.22**  
 22.5 cm



**YASARGIL**  
**09.255.16**    **09.255.20**  
 16 cm            20 cm  
**09.255.18**  
 18 cm



**YASARGIL**  
**09.255.22**  
 22.5 cm



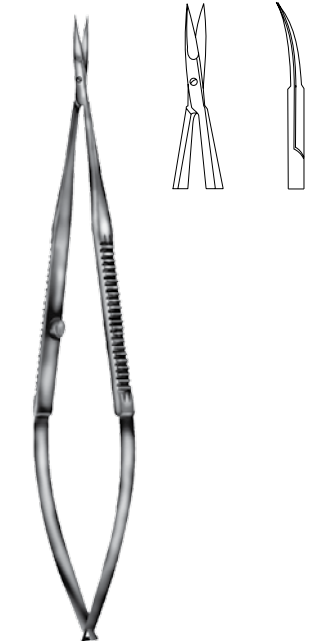
**YASARGIL**  
**09.256.20**  
 20 cm



**YASARGIL**  
09.251.23  
23 cm



**YASARGIL**  
09.260.12  
12 cm



**YASARGIL**  
09.260.16  
16 cm



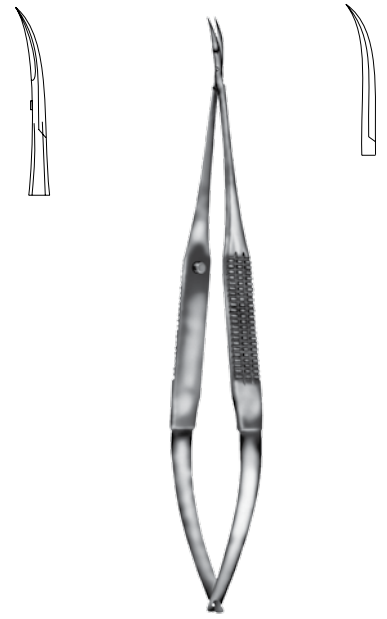
**YASARGIL**  
09.260.18  
18 cm



**YASARGIL**  
09.261.12  
12 cm



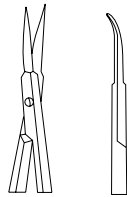
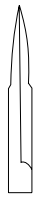
**YASARGIL**  
09.261.16  
16 cm



**JACOBSON**  
09.261.18  
18.5 cm



**09.262.12**  
12 cm



**09.262.16**  
16 cm



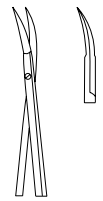
**09.263.12**  
12 cm



**09.263.16**  
16 cm



**09.266.18**



**09.267.18**

**VANNAS**  
09.262.12 - 09.262.16

**VANNAS**  
09.263.12 - 09.263.16

**DEWIMED**  
09.266.18 - 09.267.18  
18.5 cm



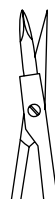
**09.268.18**



**09.269.18**



**YASARGIL**  
09.270.23  
23 cm



**YASARGIL**  
09.271.23  
23 cm



**VANNAS**  
09.268.18 - 09.269.18  
18.5 cm

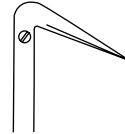
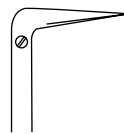
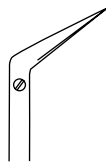
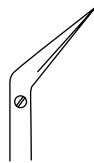


blade

straight

angled

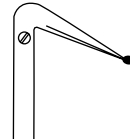
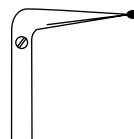
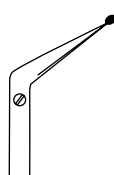
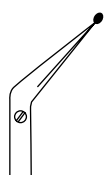
16.5 cm / 6 1/2"	<b>09.300.16</b>	<b>09.301.16</b>
16.5 cm / 6 1/2"	<b>09.302.16</b>	<b>09.303.16</b>
16.5 cm / 6 1/2"	<b>09.304.16</b>	<b>09.305.16</b>



	25°	45°	60°	90°	125°
16.5 cm / 6 1/2"	<b>09.306.16</b>	<b>09.309.16</b>	<b>09.312.16</b>	<b>09.315.16</b>	<b>09.318.16</b>
16.5 cm / 6 1/2"	<b>09.307.16</b>	<b>09.310.16</b>	<b>09.313.16</b>	<b>09.316.16</b>	<b>09.319.16</b>
16.5 cm / 6 1/2"	<b>09.308.16</b>	<b>09.311.16</b>	<b>09.314.16</b>	<b>09.317.16</b>	<b>09.320.16</b>



**MICRO - SPRING SCISSORS**



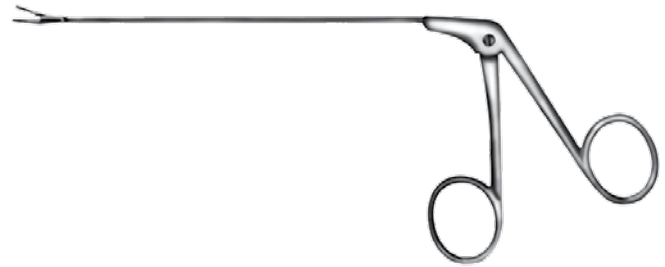
with ball tip

	25°	45°	60°	90°	125°
16.5 cm / 6 1/2"	<b>09.321.16</b>	<b>09.322.16</b>	<b>09.323.16</b>	<b>09.324.16</b>	<b>09.325.16</b>



**"In-Situ" venous valve scissors**

developed for the In-situ saphenous vein by-pass of arteries in the lower extremities.



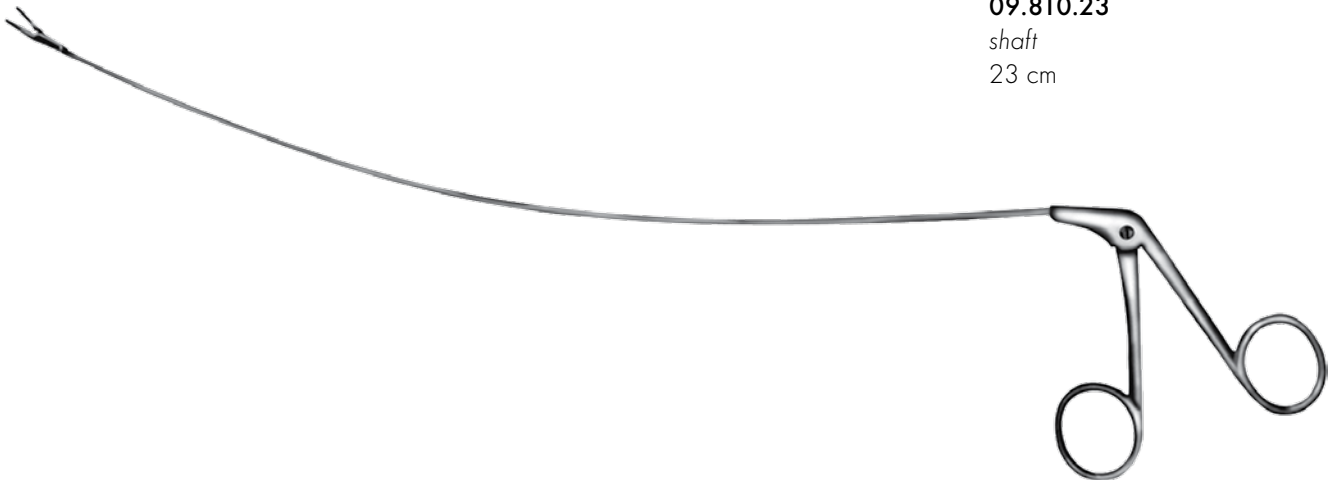
**09.810.10**

*shaft*  
10 cm



**09.810.23**

*shaft*  
23 cm



**09.811.30**

*for the right thigh*  
30 cm



**09.813.30**

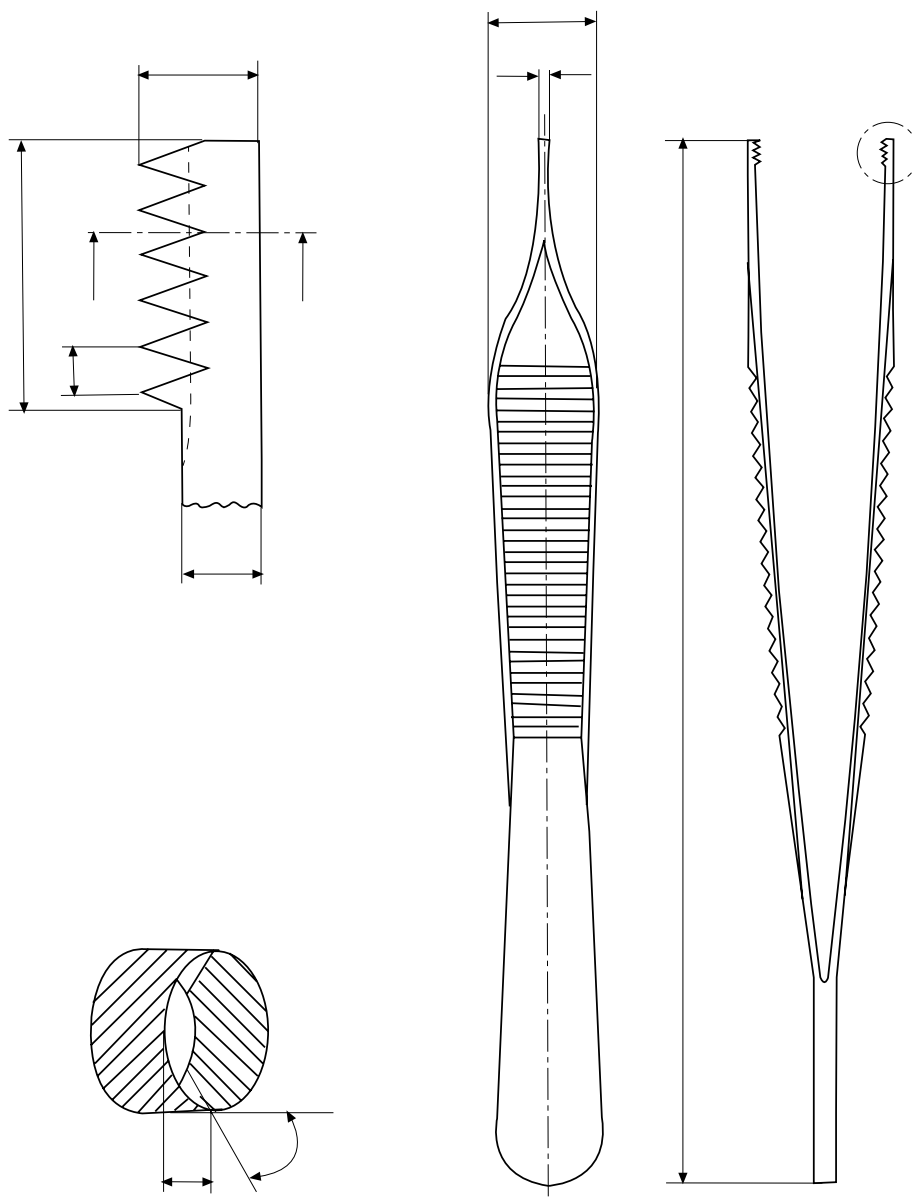
*for the left thigh*  
30 cm





# 10

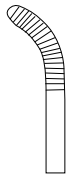
## Forceps Pinzetten Pinzas





11.5 cm	10.102.11
13 cm	10.102.13
14.5 cm	10.102.14
16 cm	10.102.16
18 cm	10.102.18
20 cm	10.102.20
30 cm	10.102.30

**STANDARD**  
10.102.11 - 10.102.30



13 cm	10.103.13
14.5 cm	10.103.14
20 cm	10.103.20
25 cm	10.103.25

**STANDARD**  
10.103.13 - 10.103.25



12 cm	10.104.12
13 cm	10.104.13
14 cm	10.104.14
15 cm	10.104.15
18 cm	10.104.18
21 cm	10.104.21
25 cm	10.104.25

**USA**  
10.104.12 - 10.104.25



**STILLE**  
10.106.15  
15 cm



11.5 cm	10.110.11
13 cm	10.110.13
14.5 cm	10.110.14
16 cm	10.110.16

14.5 cm	10.114.14 TC
16 cm	10.114.16 TC

**STANDARD**  
10.110.11 - 10.114.16 TC



18 cm	<b>10.112.18</b>
21 cm	<b>10.112.21</b>
25 cm	<b>10.112.25</b>

18 cm	<b>10.116.18 TC</b>
21 cm	<b>10.116.21 TC</b>
25 cm	<b>10.116.25 TC</b>

**POTTS SMITH**  
10.112.18 - **10.116.25 TC**  
*serrated*



1 x 2 teeth

10.5 cm	<b>10.120.10</b>
11.5 cm	<b>10.120.11</b>
13 cm	<b>10.120.13</b>
14.5 cm	<b>10.120.14</b>
16 cm	<b>10.120.16</b>
18 cm	<b>10.120.18</b>
20 cm	<b>10.120.20</b>
25 cm	<b>10.120.25</b>
30 cm	<b>10.120.30</b>

**STANDARD**  
10.120.10 - 10.120.30



1 x 2 teeth

12 cm	<b>10.122.12</b>
13 cm	<b>10.122.13</b>
14.5 cm	<b>10.122.14</b>
15.5 cm	<b>10.122.15</b>
18.5 cm	<b>10.122.18</b>
21 cm	<b>10.122.21</b>
25 cm	<b>10.122.25</b>

**USA**  
10.122.12 - 10.122.25



**STILLE**  
10.124.15  
1 x 2 teeth  
15 cm



18 cm	<b>10.126.18</b>
21 cm	<b>10.126.21</b>
25 cm	<b>10.126.25</b>

**POTTS SMITH**  
10.126.18 - 10.126.25



1 x 2 teeth

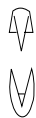
2 x 3 teeth

4 x 5 teeth

3 x 4 teeth

13 cm	<b>10.130.13</b>	<b>10.140.13</b>	<b>10.150.13</b>	<b>10.160.13</b>
14.5 cm	<b>10.130.14</b>	<b>10.140.14</b>	<b>10.150.14</b>	<b>10.160.14</b>
16 cm	<b>10.130.16</b>	<b>10.140.16</b>	<b>10.150.16</b>	<b>10.160.16</b>
18 cm		<b>10.140.18</b>		
20 cm		<b>10.140.20</b>	<b>10.150.20</b>	
25 cm		<b>10.140.25</b>		

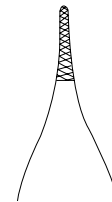
**FORCEPS NARROW**  
10.130.13 - 10.160.16



1 x 2 teeth

12.5 cm	<b>10.134.12</b>
14.5 cm	<b>10.134.14</b>

**FORCEPS DELICATE**  
10.134.12 - 10.134.14



straight

angled

12 cm	<b>10.170.12</b>	<b>10.171.12</b>
15 cm	<b>10.170.15</b>	<b>10.171.15</b>

12 cm	<b>10.174.12 TC</b>
15 cm	<b>10.174.15 TC</b>

**ADSON**  
10.170.12 - **10.174.15 TC**  
serrated



12 cm	<b>10.176.12</b>
15 cm	<b>10.176.15</b>

**ADSON micro**  
10.176.12 - 10.176.15  
*serrated*



*1 x 2 teeth*

12 cm	<b>10.180.12</b>
15 cm	<b>10.180.15</b>

**ADSON**  
10.180.12 - 10.180.15  
*dissecting*



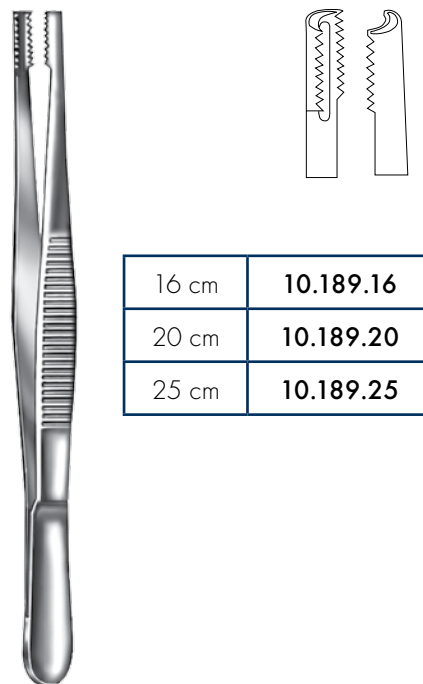
*1 x 2 teeth*

12 cm	<b>10.186.12</b>
15 cm	<b>10.186.15</b>

**ADSON micro**  
10.186.12 - 10.186.15



**ADSON BROWN**  
10.188.12  
*7 x 7 teeth*

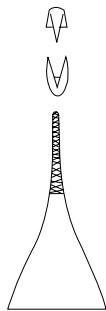


16 cm	<b>10.189.16</b>
20 cm	<b>10.189.20</b>
25 cm	<b>10.189.25</b>

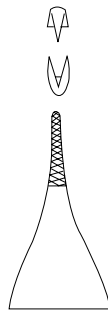
**BROWN**  
10.189.16 - 10.189.25



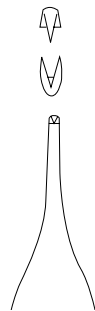
**GRAEFE**  
10.190.10  
10 cm



**10.192.12**  
cross serrated  
delicate



**10.194.12**  
cross serrated  
fine



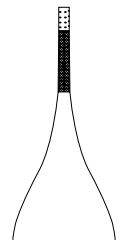
**10.196.12**



**10.194.13 TC**

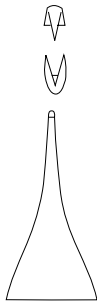


**10.194.15 TC**



**ADSON BROWN**  
**10.197.12 TC**  
12 cm

**ADSON**  
10.192.12 - 10.196.12  
1 x 2 teeth  
12 cm



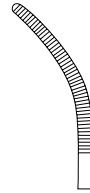
1 x 2 teeth

12 cm	<b>10.198.12</b>
15 cm	<b>10.198.15</b>

**ADSON**  
10.198.12 - 10.198.15



**10.220.17**  
**10.224.17 TC**

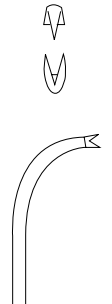


**10.221.17**

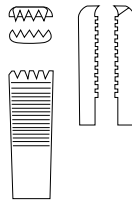
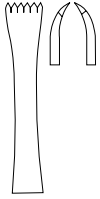
**CUSHING**  
10.220.17 - **10.224.17 TC**  
serrated  
17 cm



**10.230.17** **10.231.17**



**CUSHING**  
10.230.17 - 10.231.17  
1 x 2 teeth  
17 cm



4 x 5 teeth

15 cm	<b>10.236.15</b>
20 cm	<b>10.236.20</b>



1 X 2 teeth    2 X 3 teeth

14 cm	<b>10.240.14</b>	<b>10.242.14</b>
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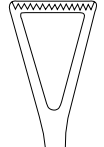
**LERCHE**  
10.232.15  
5 x 6 teeth  
15 cm

**ADLERKREUTZ**  
10.236.15 - 10.236.20

**LANE**  
10.240.14 - 10.242.14



	1 X 2 teeth	2 X 3 teeth
18 cm	<b>10.246.18</b>	<b>10.248.18</b>



**FERRIS SMITH**  
10.246.18 - 10.248.18

**DUVAL**  
10.250.14  
14 cm

**COLLIN DUVAL**  
10.252.14  
20 cm





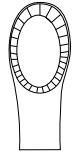
15 cm	<b>10.254.15 TC</b>
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**McINDOE**  
**10.254.15 TC**



	1 X 2 teeth	2 X 3 teeth
18 cm	<b>10.254.18</b>	<b>10.255.18</b>

**BONNEY**  
10.254.18 - 10.255.18



15 cm	<b>10.256.15</b>
20 cm	<b>10.256.20</b>
25 cm	<b>10.256.25</b>

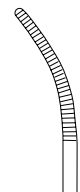
**RUSSIAN FORCEPS**  
10.256.15 - 10.256.25



**MAYO russian forceps**  
10.256.23  
23 cm



**McINDOE**  
10.258.15  
serrated  
15 cm



12 cm	<b>10.260.12</b>	<b>10.261.12</b>
15 cm	<b>10.260.15</b>	<b>10.261.15</b>

**SEMKEN**  
10.260.12 - 10.261.15



15 cm	<b>10.262.15</b>
20 cm	<b>10.262.20</b>

**WAUGH**  
10.262.15 - 10.262.20  
*cross serrated, fine*



*straight*



*curved*

12 cm	<b>10.270.12</b>	<b>10.271.12</b>
15 cm	<b>10.270.15</b>	<b>10.271.15</b>

**SEMKEN**  
10.270.12 - 10.270.15  
*1 x 2 teeth*



**GILLIES**  
10.272.15  
*1 x 2 teeth*  
15 cm



	<i>1 x 2 teeth</i>
15 cm	<b>10.282.15</b>
20 cm	<b>10.282.20</b>

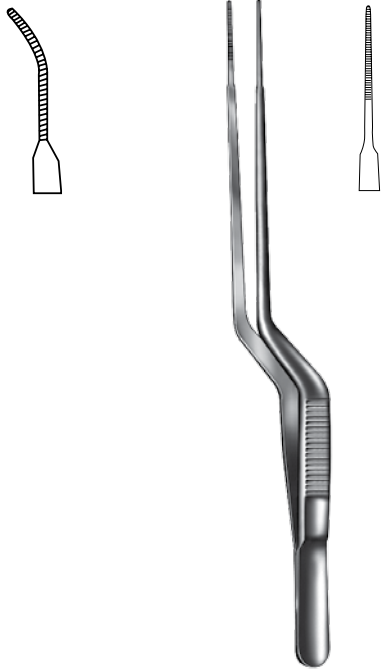
**WAUGH**  
10.282.15 - 10.282.20  
*cross serrated*



**GERALD**  
10.302.18  
*serrated*  
18 cm



**GERALD**  
**10.303.18**  
*serrated*  
18 cm



**GERALD**  
**10.305.18**  
18 cm



**GERALD**  
**10.310.18**  
*1 x 2 teeth*  
18 cm



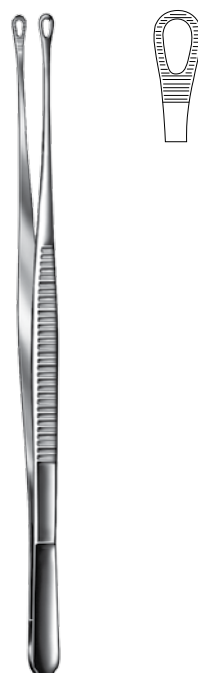
**GERALD**  
**10.311.18**  
*1 x 2 teeth*  
18 cm



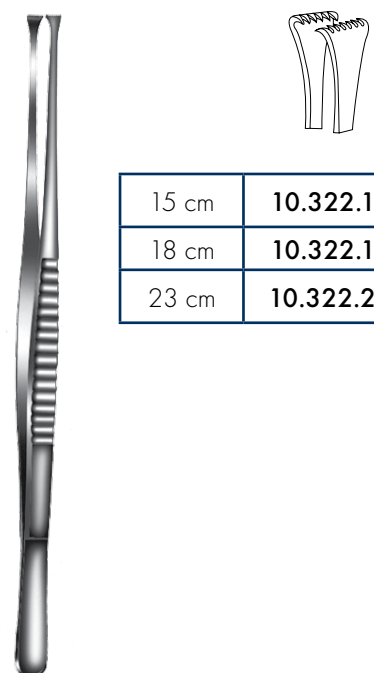
**GERALD**  
**10.313.18**  
*1 x 2 teeth*  
18 cm



**TAYLOR**  
**10.315.17**  
*1 x 2 teeth*  
17 cm



**SINGLEY TUTTLE**  
**10.320.23**  
23 cm



**NELSON**  
**10.322.15 - 10.322.23**

15 cm	<b>10.322.15</b>
18 cm	<b>10.322.18</b>
23 cm	<b>10.322.23</b>



**ADSON**  
**10.323.18**  
 18 cm



**WANGENSTEEN**  
**10.324.23**  
 23 cm



12 cm	10.330.12
11 cm	10.330.31

**JEWELER'S STYLE**  
 10.330.12 - 10.330.31



**JEWELER'S STYLE**  
**10.331.12**  
 12 cm



**10.332.01**  
 12 cm



**10.332.04**  
 11 cm



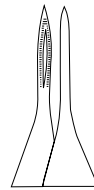
**10.332.05**  
 11 cm

**JEWELER'S STYLE**  
 10.332.01 - 10.332.05



9 cm	<b>10.802.09</b>
11 cm	<b>10.802.11</b>

**KRONECKER**  
10.802.09 - 10.802.11  
*splinter forceps*



7.5 cm	<b>10.810.07</b>
9 cm	<b>10.810.09</b>
11 cm	<b>10.810.11</b>

**FEILCHENFELD**  
10.810.07 - 10.810.11



**HUNTER**  
10.812.10  
10 cm



**HUNTER**  
10.813.10  
10 cm



**SPLINTER FORCEPS  
WITH MAGNIFIER**  
10.815.12  
12 cm



**CARMALT**  
10.816.10  
10 cm



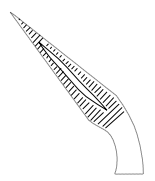
**CARMALT**  
 10.817.10  
 10 cm



**PEET**  
 10.821.11  
 11 cm



10.822.13

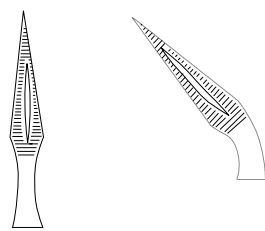


10.823.13

**STIEGLITZ**  
 10.822.13 - 10.823.13  
 13 cm



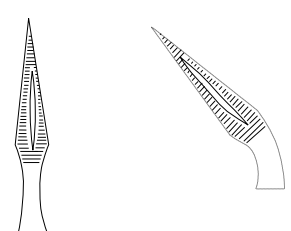
**ARCHER**  
 10.824.14 - 10.825.14  
 14 cm



10.824.14 10.825.14



**VIRTUS RALK**  
 10.828.15 - 10.829.15  
 15 cm



10.828.15 10.829.15



**PINZETTEN** with tying platform

	Smooth jaws - Boca Lisa		Wolfram carbide coating	
dimensions	0.4 x 7 mm	0.4 x 7 mm	0.4 x 7 mm	0.4 x 7 mm
	straight	curved	straight	curved
18 cm / 7"	10.900.18	10.901.18	10.902.18	10.903.18
21 cm / 8 1/4"	10.900.21	10.901.21	10.902.21	10.903.21

**PINZETTEN** with tying platform

	Smooth jaws - Boca Lisa		Wolfram carbide coating	
dimensions	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm
	straight	curved	straight	curved
18 cm / 7"	10.904.18	10.905.18	10.906.18	10.907.18
21 cm / 8 1/4"	10.904.21	10.905.21	10.906.21	10.907.21

**PINZETTEN** with 1.0 x 0.5 mm ø ring tip

Atrauma	Smooth jaws - Boca Lisa	Wolfram carbide coating
18 cm / 7"	10.908.18	10.909.18
21 cm / 8 1/4"	10.908.21	10.909.21

**PINZETTEN** 1 x 2 teeth

dimensions	0.4 mm ø	0.4 mm ø	0.7 mm ø	0.7 mm ø
	straight	curved	straight	curved
18 cm / 7"	10.910.18	10.911.18	10.912.18	10.913.18
21 cm / 8 1/4"	10.910.21	10.911.21	10.912.21	10.913.21



**PINZETTEN** with tying platform

	Smooth jaws - Boca Lisa		Wolfram carbide coating	
dimensions	0.4 x 7 mm	0.4 x 7 mm	0.4 x 7 mm	0.4 x 7 mm
	straight	curved	straight	curved
15 cm / 6"	<b>10.914.15</b>	<b>10.915.15</b>	<b>10.916.15</b>	<b>10.917.15</b>
18 cm / 7"	<b>10.914.18</b>	<b>10.915.18</b>	<b>10.916.18</b>	<b>10.917.18</b>
21 cm / 8 1/4"	<b>10.914.21</b>	<b>10.915.21</b>	<b>10.916.21</b>	<b>10.917.21</b>

**PINZETTEN** with tying platform

	Smooth jaws - Boca Lisa		Wolfram carbide coating	
dimensions	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm
	straight	curved	straight	curved
15 cm / 6"	<b>10.918.15</b>	<b>10.919.15</b>	<b>10.920.15</b>	<b>10.921.15</b>
18 cm / 7"	<b>10.918.18</b>	<b>10.919.18</b>	<b>10.920.18</b>	<b>10.921.18</b>
21 cm / 8 1/4"	<b>10.918.21</b>	<b>10.919.21</b>	<b>10.920.21</b>	<b>10.921.21</b>

**PINZETTEN** 1 x 2 teeth

dimensions	0.4 mm Ø	0.4 mm Ø	0.7 mm Ø	0.7 mm Ø
	straight	curved	straight	curved
18 cm / 7"	<b>10.922.18</b>	<b>10.923.18</b>	<b>10.924.18</b>	<b>10.925.18</b>
21 cm / 8 1/4"	<b>10.922.21</b>	<b>10.923.21</b>	<b>10.924.21</b>	<b>10.925.21</b>

**PINZETTEN** with 1.0 x 0.5 mm Ø ring tip

	Smooth jaws - Boca Lisa		Wolfram carbide coating	
dimensions	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm
	straight	curved	straight	curved
15 cm / 6"	<b>10.926.15</b>	<b>10.927.15</b>	<b>10.928.15</b>	<b>10.929.15</b>
18 cm / 7"	<b>10.926.18</b>	<b>10.927.18</b>	<b>10.928.18</b>	<b>10.929.18</b>
21 cm / 8 1/4"	<b>10.926.21</b>	<b>10.927.21</b>	<b>10.928.21</b>	<b>10.929.21</b>




**PINZETTEN** with tying platform

	Smooth jaws - Boca lisa		Wolfram carbide coating	
	straight	curved	straight	curved
dimensions	0.4 x 7 mm	0.4 x 7 mm	0.4 x 7 mm	0.4 x 7 mm
18 cm / 7"	<b>10.930.18</b>	<b>10.931.18</b>	<b>10.932.18</b>	<b>10.933.18</b>
21 cm / 8 1/4"	<b>10.930.21</b>	<b>10.931.21</b>	<b>10.932.21</b>	<b>10.933.21</b>

**PINZETTEN** with tying platform

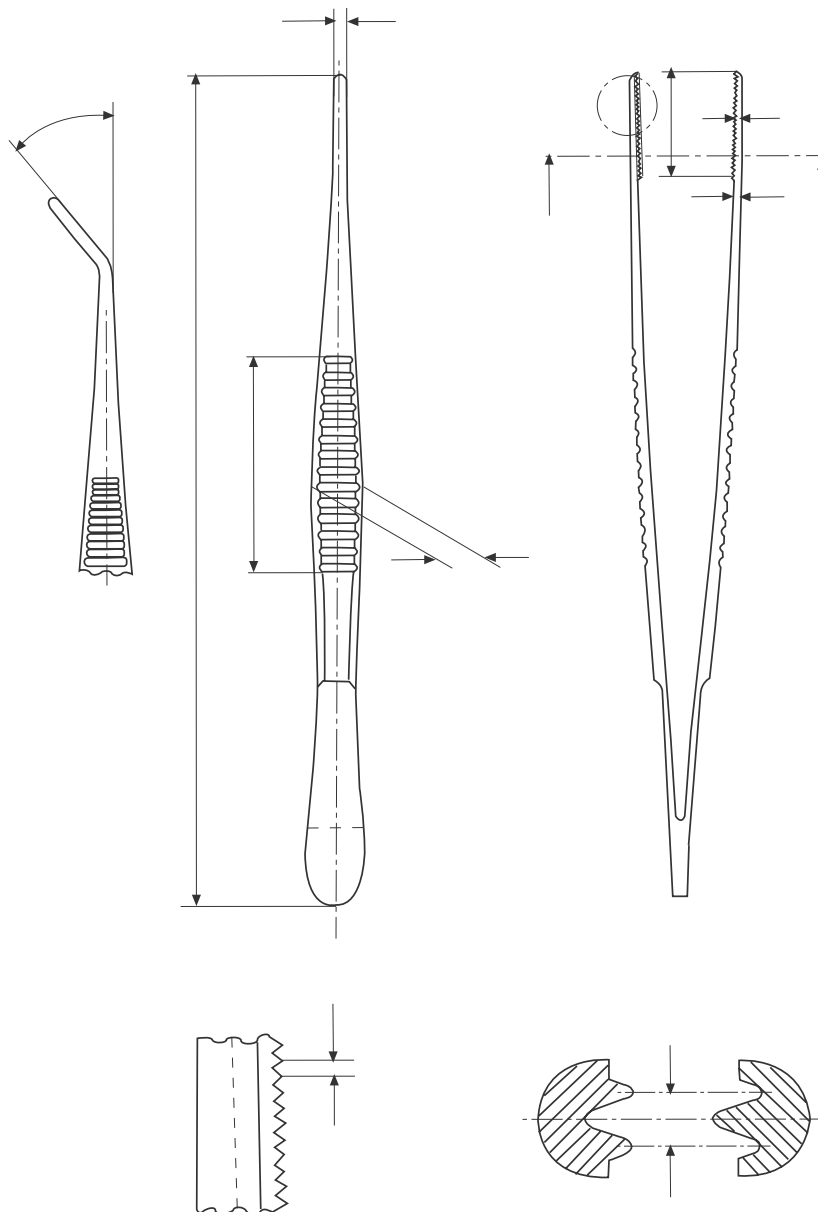
	Smooth jaws - Boca lisa		Wolfram carbide coating	
	straight	curved	straight	curved
dimensions	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm	0.7 x 7 mm
18 cm / 7"	<b>10.934.18</b>	<b>10.935.18</b>	<b>10.936.18</b>	<b>10.937.18</b>
21 cm / 8 1/4"	<b>10.934.21</b>	<b>10.935.21</b>	<b>10.936.21</b>	<b>10.937.21</b>

**PINZETTEN** with 1.0 x 0.5 mm ø ring tip

	Smooth jaws - Boca lisa		Wolfram carbide coating	
	straight	curved	straight	curved
18 cm / 7"	<b>10.938.18</b>	<b>10.939.18</b>	<b>10.940.18</b>	<b>10.941.18</b>
21 cm / 8 1/4"	<b>10.938.21</b>	<b>10.939.21</b>	<b>10.940.21</b>	<b>10.941.21</b>

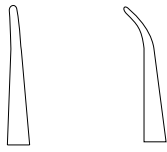
# 11

## Atraumatic Forceps Atraumatische Pinzetten Pinzas Atraumáticas

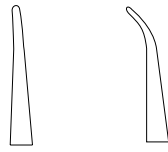




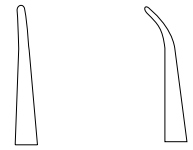
11.102.12 11.103.12



11.104.15 11.105.15



18 cm	11.108.18	11.109.18
23 cm	11.108.23	



**MICRO FORCEPS**  
11.102.12 - 11.103.12  
12 cm

**MICRO FORCEPS**  
11.104.15 - 11.105.15  
15 cm

**MICRO FORCEPS**  
11.108.18 - 11.109.18



**VISE**  
11.130.13  
*tying forceps*  
tip 0.3 mm



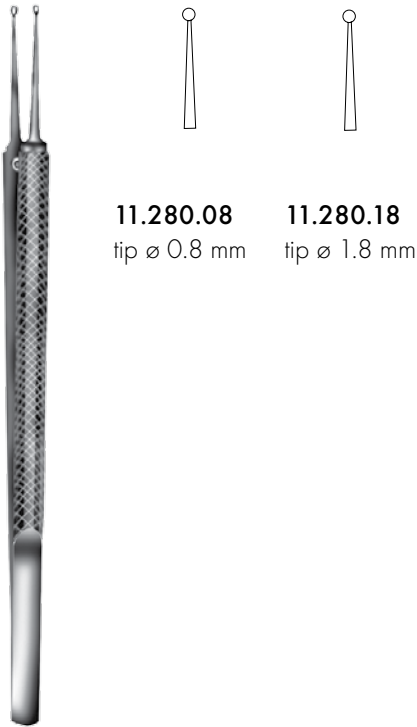
**VISE**  
11.131.13  
*tying forceps*  
tip 0.3 mm



**VISE**  
11.132.12  
*tying forceps*  
tip 0.3 mm

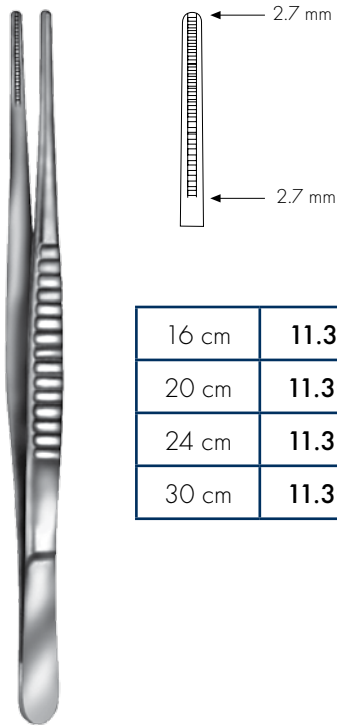


**AUSTIN**  
11.134.14  
*tying forceps*  
tip 0.8 mm



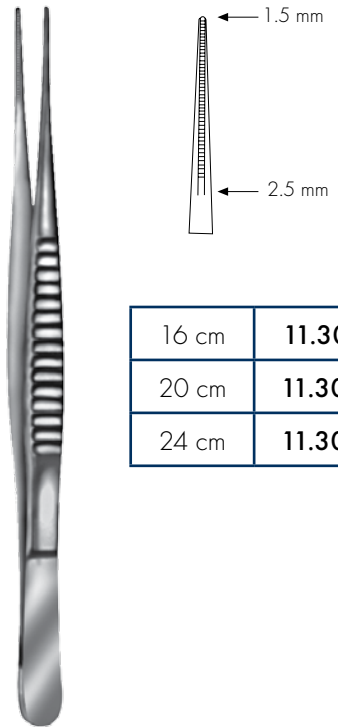
**11.280.08** tip  $\varnothing$  0.8 mm  
**11.280.18** tip  $\varnothing$  1.8 mm

**MICRO RING FORCEPS**  
 11.280.08 - 11.280.18  
 18 cm



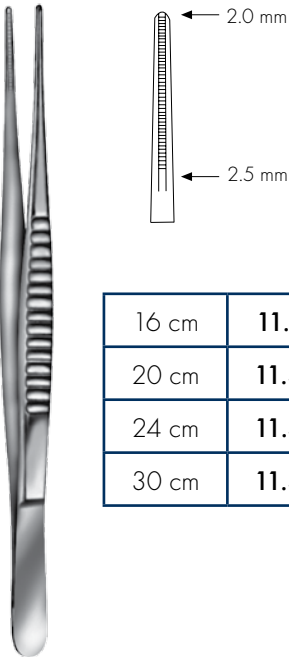
16 cm	<b>11.304.16</b>
20 cm	<b>11.304.20</b>
24 cm	<b>11.304.24</b>
30 cm	<b>11.304.30</b>

**DE BAKLEY**  
 11.304.16 - 11.304.30



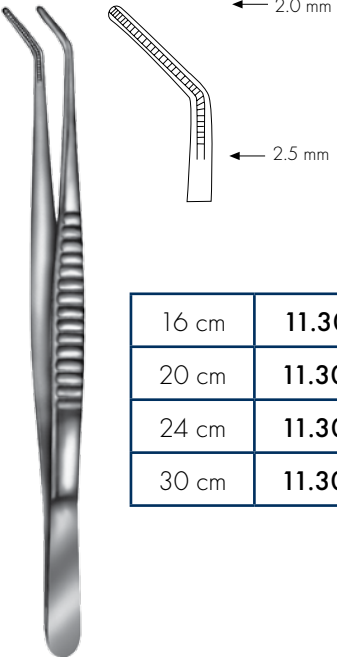
16 cm	<b>11.306.16</b>
20 cm	<b>11.306.20</b>
24 cm	<b>11.306.24</b>

**DE BAKLEY**  
 11.306.16 - 11.306.24



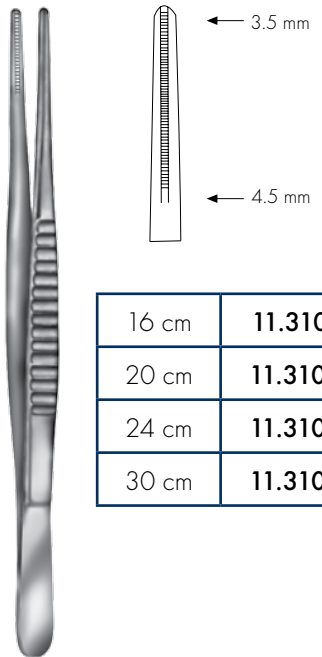
16 cm	<b>11.308.16</b>
20 cm	<b>11.308.20</b>
24 cm	<b>11.308.24</b>
30 cm	<b>11.308.30</b>

**DE BAKLEY**  
 11.308.16 - 11.308.30



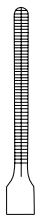
16 cm	<b>11.309.16</b>
20 cm	<b>11.309.20</b>
24 cm	<b>11.309.24</b>
30 cm	<b>11.309.30</b>

**DE BAKLEY**  
 11.309.16 - 11.309.30



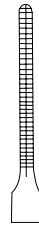
16 cm	<b>11.310.16</b>
20 cm	<b>11.310.20</b>
24 cm	<b>11.310.24</b>
30 cm	<b>11.310.30</b>

**DE BAKLEY**  
 11.310.16 - 11.310.30



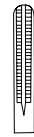
← 2.0 mm

16 cm	<b>11.314.16</b>
20 cm	<b>11.314.20</b>



← 2.0 mm

**COOLEY**  
11.314.24  
24 cm

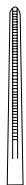


← 1.5 mm

16 cm	<b>11.316.16</b>
20 cm	<b>11.316.20</b>
24 cm	<b>11.316.24</b>

**DE BAKEY DIETRICH**  
11.316.16 - 11.316.24

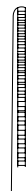
**COOLEY**  
11.314.16 - 11.314.20



1.5 mm



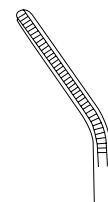
2.4 mm



2.7 mm

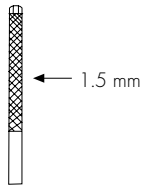
15 cm	<b>11.322.16</b>		<b>11.332.15</b>
19.5 cm	<b>11.322.20</b>		<b>11.332.20</b>
24 cm	<b>11.322.24</b>	<b>11.324.24</b>	<b>11.332.24</b>
30 cm			<b>11.332.30</b>

**DE BAKEY**  
11.322.16 - 11.332.30



← 2.7 mm

**DE BAKEY**  
11.333.30  
30 cm



15 cm	<b>11.402.15 TC</b>
19.5 cm	<b>11.402.20 TC</b>
24 cm	<b>11.402.24 TC</b>



1.5 mm      2 mm

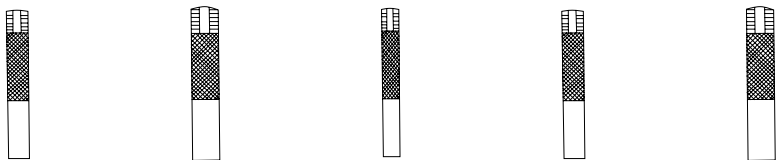
15 cm	<b>11.404.15 TC</b>	<b>11.412.15 TC</b>
19 cm	<b>11.404.19 TC</b>	<b>11.412.19 TC</b>
24 cm	<b>11.404.24 TC</b>	<b>11.412.24 TC</b>

**DE BAKEY**

11.402.15 TC - **11.402.24 TC**

**DE BAKEY**

**11.404.15 TC - 11.412.24 TC**

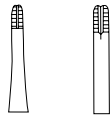


2.7 mm      3.5 mm      2 mm      2.7 mm      3.5 mm  
 6 x 12 teeth      6 x 12 teeth      2 x 4 teeth      2 x 4 teeth      2 x 4 teeth

15 cm	<b>11.414.15 TC</b>		<b>11.422.15 TC</b>	<b>11.424.15 TC</b>	
19 cm	<b>11.414.19 TC</b>	<b>11.416.19 TC</b>	<b>11.422.19 TC</b>	<b>11.424.19 TC</b>	<b>11.426.19 TC</b>
24 cm	<b>11.414.24 TC</b>	<b>11.416.24 TC</b>	<b>11.422.24 TC</b>	<b>11.424.24 TC</b>	<b>11.426.24 TC</b>

**DE BAKEY**

**11.414.15 TC - 11.426.24 TC**



2 mm

15 cm	<b>11.452.15</b>
20 cm	<b>11.456.20</b>
24 cm	<b>11.456.24</b>

**GREGORY WHEELER**  
11.452.15 - 11.456.24



	0.6 mm	0.9 mm
16 cm	<b>11.506.16</b>	<b>11.509.16</b>
18 cm	<b>11.506.18</b>	<b>11.509.18</b>
20 cm	<b>11.506.20</b>	<b>11.509.20</b>
22 cm	<b>11.506.22</b>	<b>11.509.22</b>
24 cm	<b>11.506.24</b>	<b>11.509.24</b>

**YASARGIL**  
11.506.16 - 11.509.24



**YASARGIL**  
**11.510.18**  
1 x 2 teeth  
18 cm



**YASARGIL**  
**11.513.22**  
jaws spoon-shape  
22 cm, tip 3 mm



3 ø mm	<b>11.513.24</b>
5 ø mm	<b>11.515.24</b>
7 ø mm	<b>11.517.24</b>

**YASARGIL**  
jaws spoon-shape  
24 cm



**YASARGIL**  
**11.515.22**  
*jaws spoon-shape*  
 22 cm, tip 3 mm



**YASARGIL**  
**11.521.22**  
*flat jaws serrated*  
 22 cm, tip 3 mm



**HEIFETZ**  
**11.522.22 - 11.525.22**  
*curette jaws toothed*  
 22 cm

3 ø mm	<b>11.522.22</b>
5 ø mm	<b>11.525.22</b>



**YASARGIL**  
**11.523.22**  
*flat jaws serrated*  
 22 cm, tip 5 mm



**HUNT**  
**11.529.20**  
*serrated*  
 20 cm, tip 3 mm





**PINZETTEN**

*De baakey 1.2 mm*

<b>ATRAUMA</b>	<i>straight</i>	<i>angled</i>
18 cm / 7"	<b>11.600.18</b>	<b>11.601.18</b>
21 cm / 8 1/4"	<b>11.600.21</b>	<b>11.601.21</b>

**PINZETTEN**

*De baakey 1.2 mm*

<b>ATRAUMA</b>	<i>straight</i>	<i>angled</i>
18 cm / 7"	<b>11.602.18</b>	<b>11.603.18</b>
21 cm / 8 1/4"	<b>11.602.21</b>	<b>11.603.21</b>



**PINZETTEN**

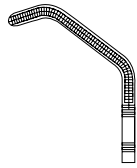
*De baakey 1.2 mm*

<b>ATRAUMA</b>	<i>straight</i>	<i>angled</i>
18 cm / 7"	<b>11.604.18</b>	<b>11.605.18</b>
21 cm / 8 1/4"	<b>11.604.21</b>	<b>11.605.21</b>

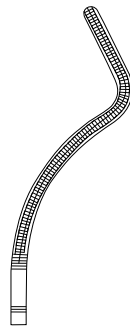
# 12

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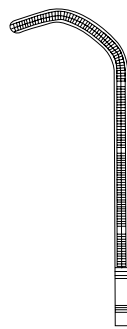
## **Hemostatic Forceps** Arterien- u. Schlauchklemmen Pinzas Hemostáticas



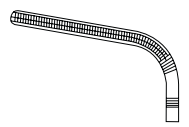
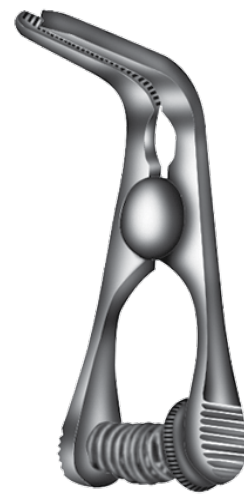
**12.059.07**  
7 cm



**12.061.09**  
9 cm



**12.063.10**  
10 cm



**GLOVER**  
**12.065.06**  
5.5 cm

**DE BAKY SATINSKY**  
12.059.07 - 12.063.10



**GLOVER**  
**12.070.35**  
3.5 cm



**GLOVER**  
**12.070.50**  
5 cm



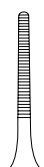
**GLOVER**  
**12.071.35**  
3.5 cm



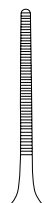
**GLOVER**  
**12.071.50**  
5 cm



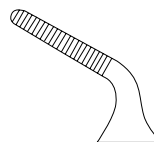
**12.082.08**  
jaw 8 mm  
5 cm



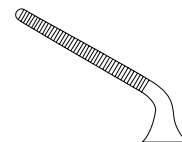
**12.082.12**  
jaw 10 mm  
5 cm



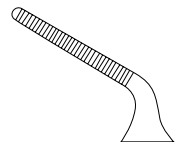
**12.082.16**  
jaw 12 mm  
6 cm



**12.083.08**  
jaw 8 mm  
5 cm



**12.083.12**  
jaw 10 mm  
5 cm

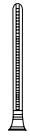


**12.083.16**  
jaw 12 mm  
6 cm

**DIETRICH**  
12.082.08 - 12.083.16



**12.084.08**  
8 cm



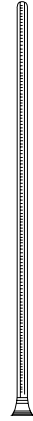
**12.084.09**  
9 cm



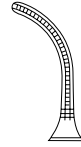
**12.084.10**  
10.5 cm



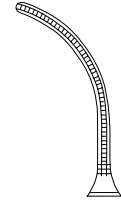
**12.084.12**  
12.5 cm



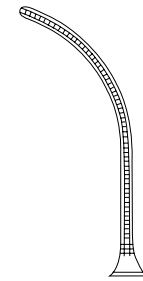
**12.085.08**  
8 cm



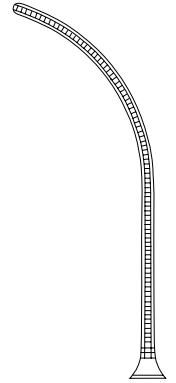
**12.085.09**  
9 cm



**12.085.10**  
10.5 cm



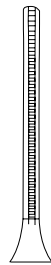
**12.085.12**  
12.5 cm



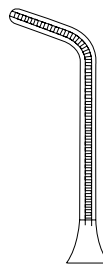
**COOLEY**  
12.084.08 - 12.085.12



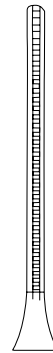
**12.086.09**  
9 cm



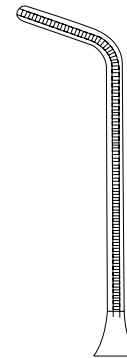
**12.087.09**  
9 cm



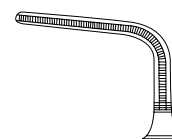
**12.086.11**  
11 cm



**12.087.11**  
11 cm



**SANTULLI**  
12.089.07  
7 cm



**GREGORY**  
12.086.09 - 12.087.11



**FORCEPS FOR ATRAUMATIC BULLDOG CLAMP**  
12.091.23



**DE BAKEY**  
12.092.07 - 12.093.12



**12.092.07**  
7.5 cm



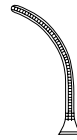
**12.092.08**  
8.5 cm



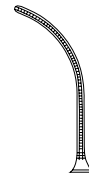
**12.092.10**  
10.5 cm



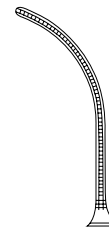
**12.092.12**  
12 cm



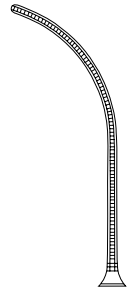
**12.093.07**  
7 cm



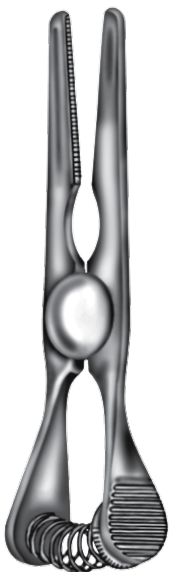
**12.093.08**  
8 cm



**12.093.10**  
10 cm



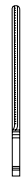
**12.093.12**  
11.5 cm



**GLOVER**  
12.096.06 - 12.097.11



**12.096.06**  
6 cm



**12.096.07**  
7 cm



**12.096.09**  
9 cm



**12.096.11**  
11 cm



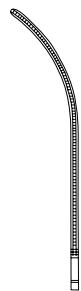
**12.097.06**  
5.5 cm



**12.097.07**  
6.5 cm



**12.097.09**  
8.5 cm



**12.097.11**  
10.5 cm



**DIEFFENBACH**  
12.102.04  
3.5 cm



**DIEFFENBACH**  
12.103.04  
3.5 cm

**12.102.05**  
5.5 cm

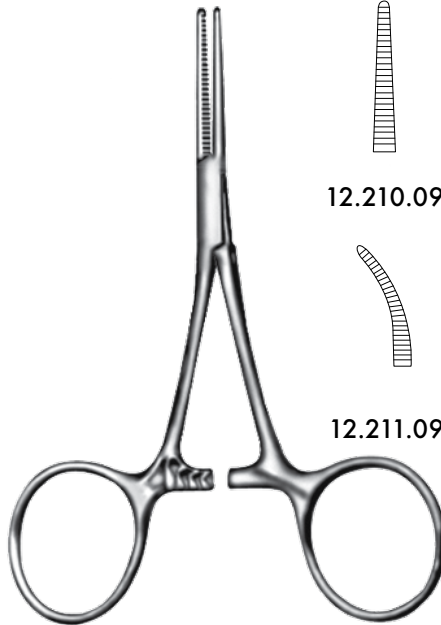
**12.103.05**  
5.5 cm



**JOHNS HOPKINS**  
 12.110.50 - 12.111.90



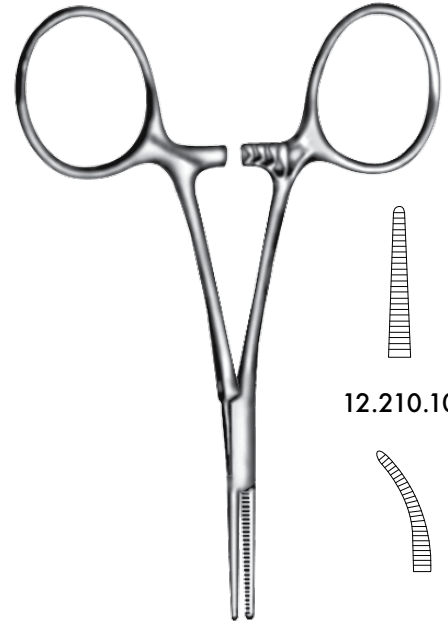
5 cm	12.110.50	12.111.50
5.5 cm	12.110.55	12.111.55
6.5 cm	12.110.65	12.111.65
7 cm	12.110.70	12.111.70
7.5 cm	12.110.75	12.111.75
9 cm	12.110.90	12.111.90



12.210.09

12.211.09

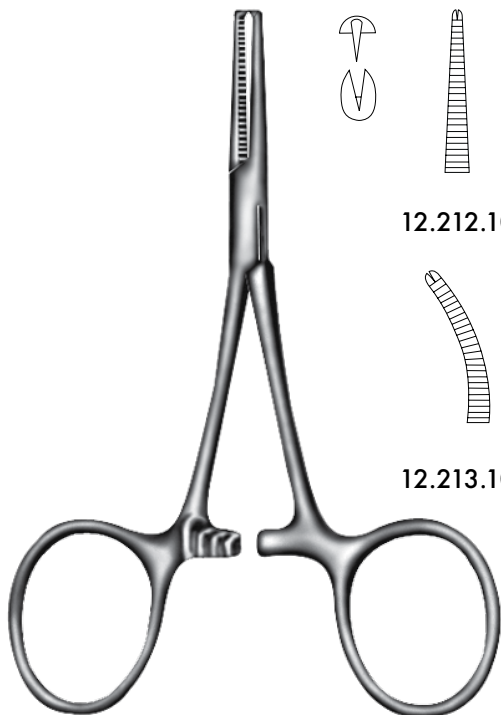
**HARTMANN baby**  
 12.210.09 - 12.211.09  
 9 cm



12.210.10

12.211.10

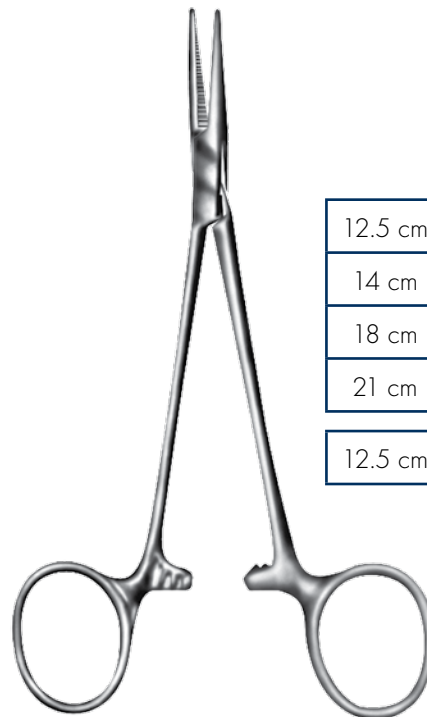
**HARTMANN**  
 12.210.10 - 12.211.10  
 10 cm



12.212.10

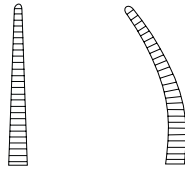
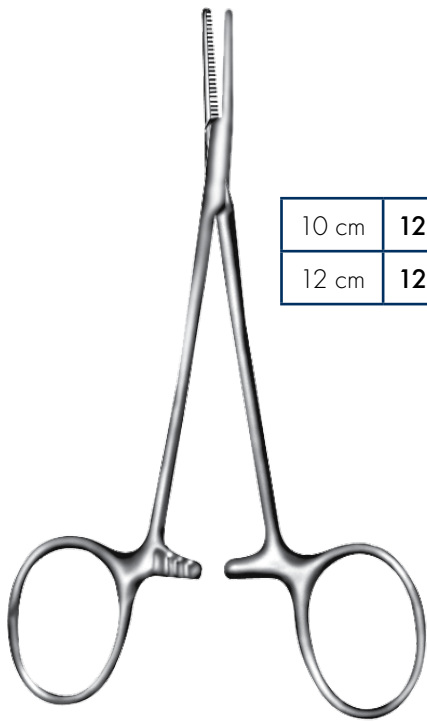
12.213.10

**HARTMANN**  
 12.212.10 - 12.213.10  
 1 x 2 teeth  
 10 cm



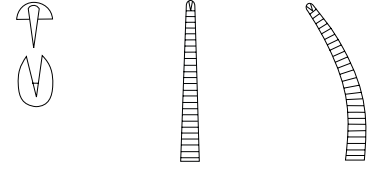
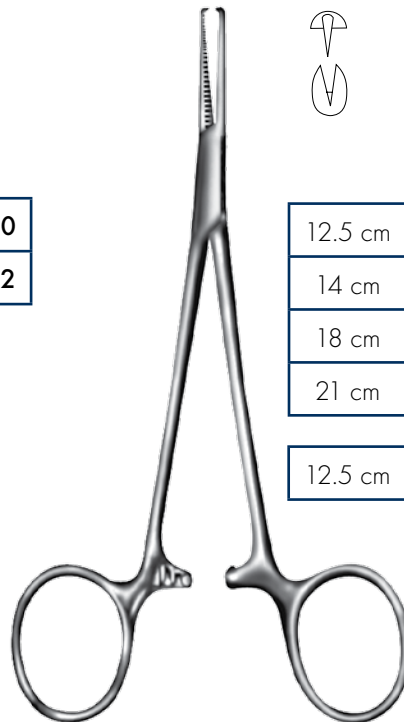
**HALSTED MOSQUITO**  
 12.220.12 - 12.225.12 T

12.5 cm	12.220.12	12.221.12
14 cm	12.220.14	12.221.14
18 cm	12.220.18	12.221.18
21 cm	12.220.21	12.221.21
12.5 cm	12.224.12 T	12.225.12 T



10 cm	12.222.10	12.223.10
12 cm	12.222.12	12.223.12

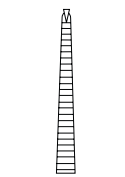
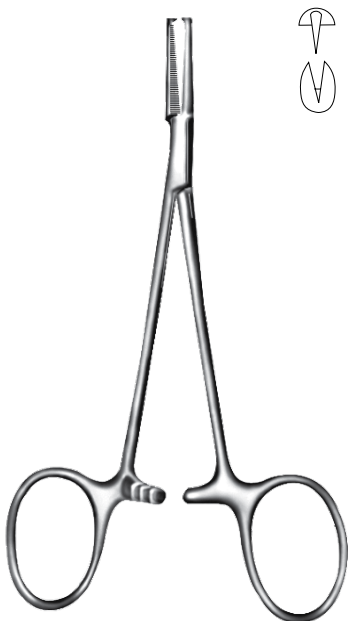
**HALSTED MOSQUITO micro**  
12.222.10 - 12.223.12



12.5 cm	12.230.12	12.231.12
14 cm	12.230.14	12.231.14
18 cm	12.230.18	12.231.18
21 cm	12.230.21	12.231.21

12.5 cm	12.234.12 T	12.235.12 T
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**HALSTED MOSQUITO**  
12.230.12 - 12.235.12 T  
1 x 2 teeth



12.232.12



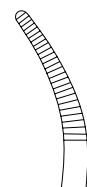
12.233.12

**HALSTED MOSQUITO micro**  
12.232.12 - 12.233.12  
1 x 2 teeth  
12.5 cm



12.240.14

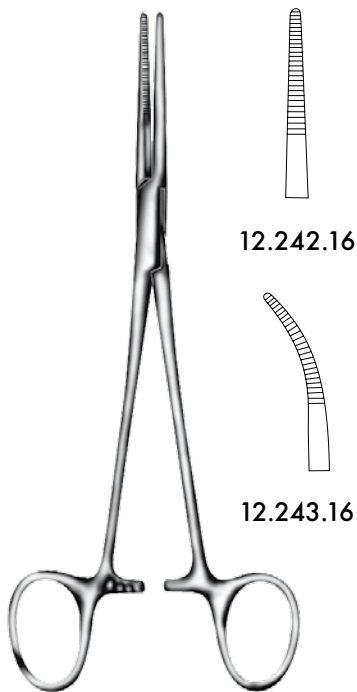
12.244.14 T



12.241.14

12.245.14 T

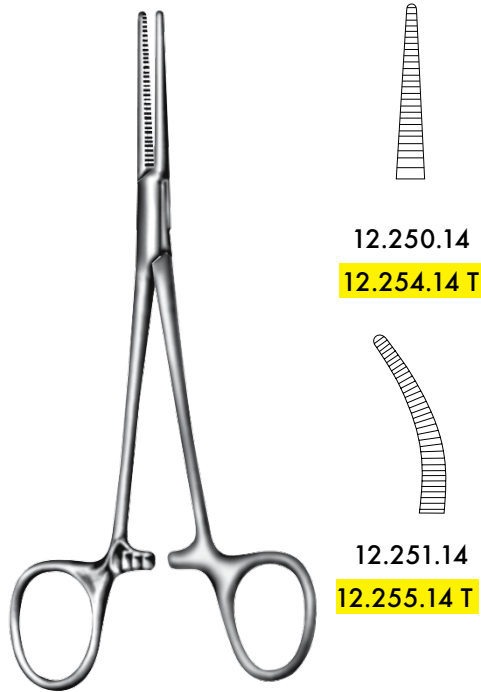
**KELLY**  
12.240.14 - 12.241.14  
12.244.14 T - 12.245.14 T  
14 cm



12.242.16

12.243.16

**KELLY RANKIN**  
 12.242.16 - 12.243.16  
 16 cm



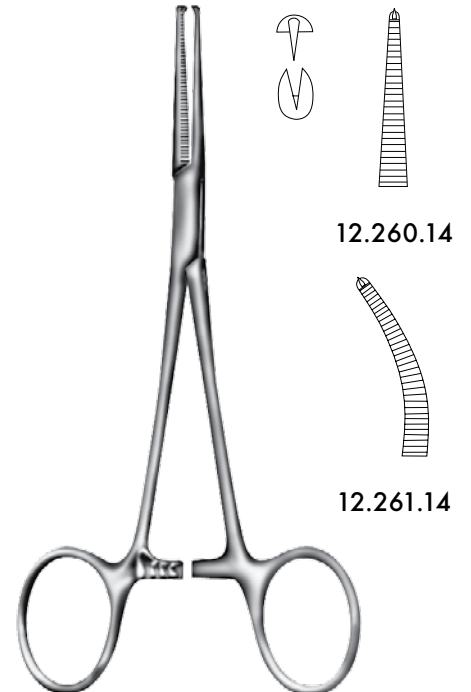
12.250.14

12.254.14 T

12.251.14

12.255.14 T

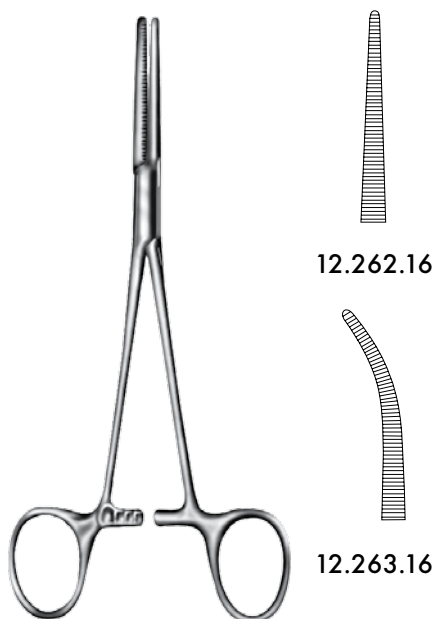
**CRILE**  
 12.250.14 - 12.251.14  
 12.254.14 T - 12.255.14 T  
 14 cm



12.260.14

12.261.14

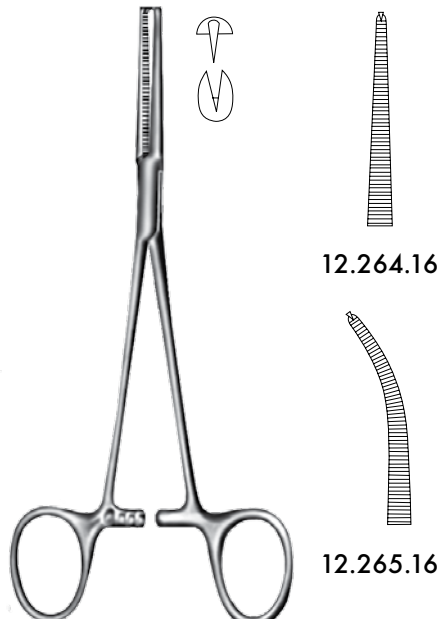
**CRILE**  
 12.260.14 - 12.261.14  
 1 x 2 teeth  
 14 cm



12.262.16

12.263.16

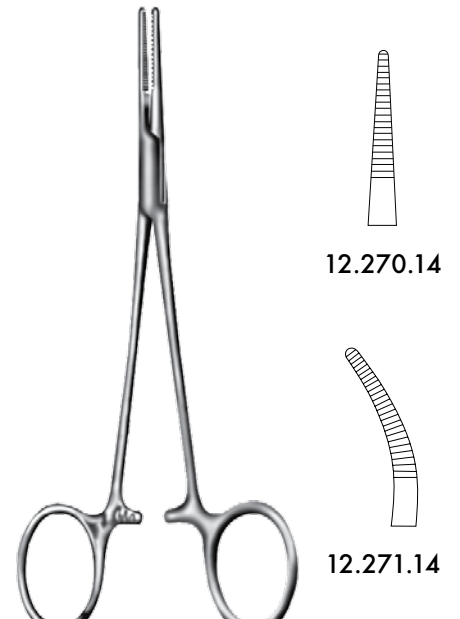
**CRILE RANKIN**  
 12.262.16 - 12.263.16  
 16 cm



12.264.16

12.265.16

**CRILE RANKIN**  
 12.264.16 - 12.265.16  
 1 x 2 teeth  
 16 cm

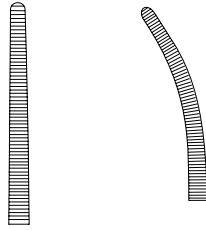


12.270.14

12.271.14

**PROVIDENCE HOSPITAL**  
 12.270.14 - 12.271.14  
 14 cm



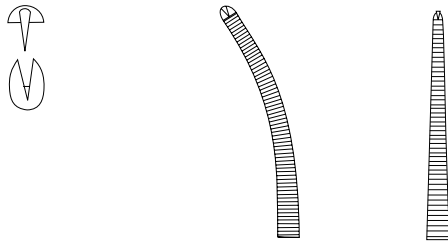


13 cm	12.310.13	12.311.13
14 cm	12.310.14	12.311.14
16 cm	12.310.16	12.311.16
18 cm	12.310.18	12.311.18
20 cm	12.310.20	12.311.20
22 cm	12.310.22	12.311.22
24 cm	12.310.24	12.311.24
26 cm	12.310.26	12.311.26
30 cm	12.310.30	12.311.30

**ROCHESTER PEAN**  
12.310.13 - 12.311.30



**PEAN**  
12.312.14 - 12.313.14  
*delicate*  
14 cm

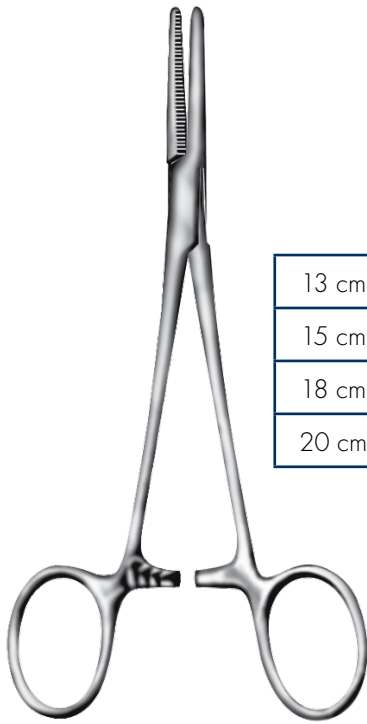


13 cm	12.320.13	12.321.13
14 cm	12.320.14	12.321.14
16 cm	12.320.16	12.321.16
18 cm	12.320.18	12.321.18
20 cm	12.320.20	12.321.20
22 cm	12.320.22	12.321.22
24 cm	12.320.24	12.321.24
26 cm	12.320.26	12.321.26
30 cm	12.320.30	12.321.30

**ROCHESTER OCHSNER**  
12.320.13 - 12.321.30  
*1 x 2 teeth*

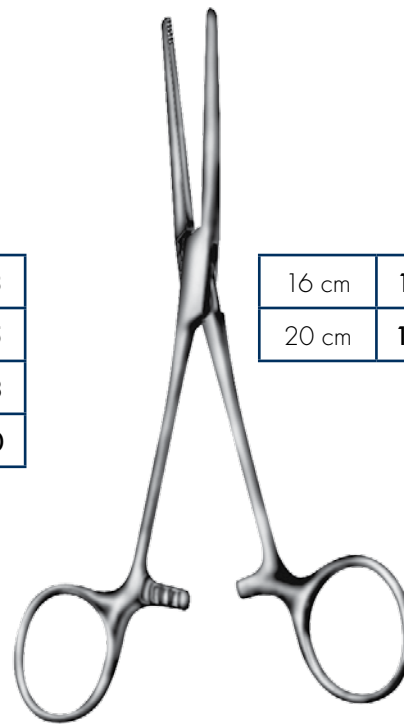


**KOCHER**  
12.322.14 - 12.323.14  
*delicate*  
*1 x 2 teeth, 14 cm*



13 cm	12.330.13	12.331.13
15 cm	12.330.15	12.331.15
18 cm	12.330.18	12.331.18
20 cm	12.330.20	12.331.20

**SPENCER WELLS**  
 12.330.13 - 12.331.20



16 cm	12.340.16	12.341.16
20 cm	12.340.20	12.341.20

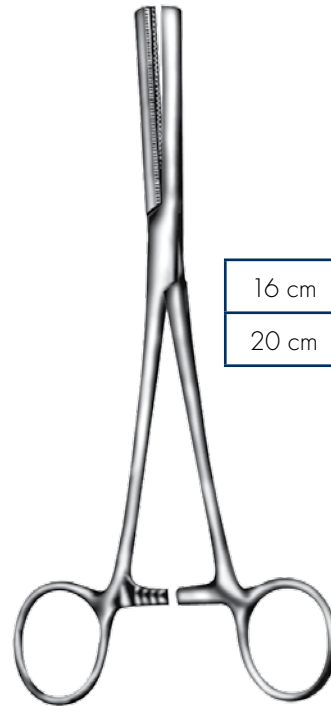
**ROCHESTER CARMALT**  
 12.340.16 - 12.341.20



**DANDY**  
 12.345.14  
 curved sideways  
 14 cm

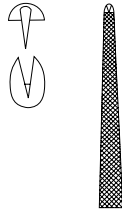


**DANDY**  
 12.347.14  
 curved sideways  
 1 x 2 teeth, 14 cm



16 cm	12.350.16	12.351.16
20 cm	12.350.20	12.351.20

**FERGUSSON**  
 12.350.16 - 12.351.20

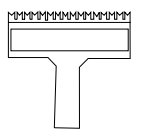


**LOVELACE**  
12.356.15  
1 x 2 teeth  
15.5 cm

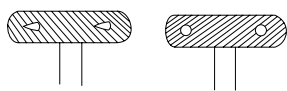


12.358.15 - 12.358.20

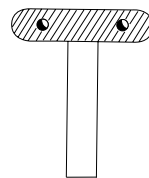
**PENNINGTON**  
12.358.15      12.358.20  
15.5 cm      20 cm



**PRATT**  
12.360.15  
15 cm



**MARTEL**  
12.364.14  
14 cm

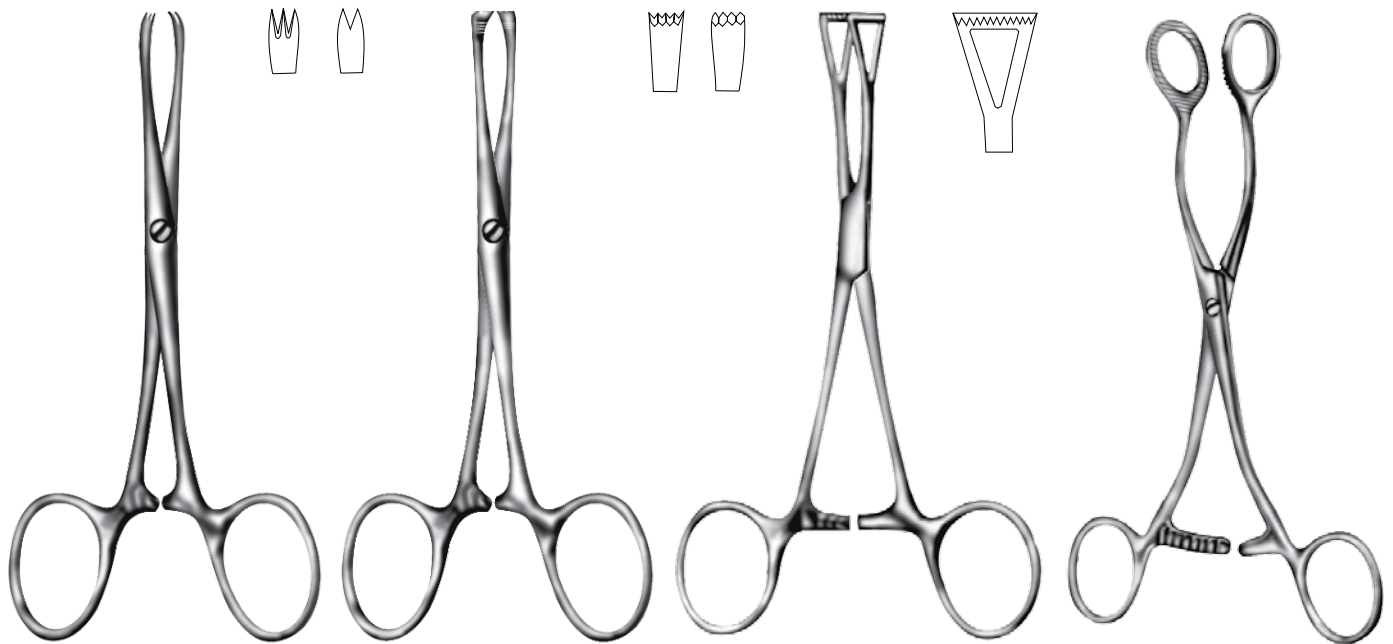


**WILLET MARTEL**  
12.366.19  
19 cm



12.368.14    12.368.16

**PEAN**  
12.368.14    12.368.16  
14 cm      16 cm

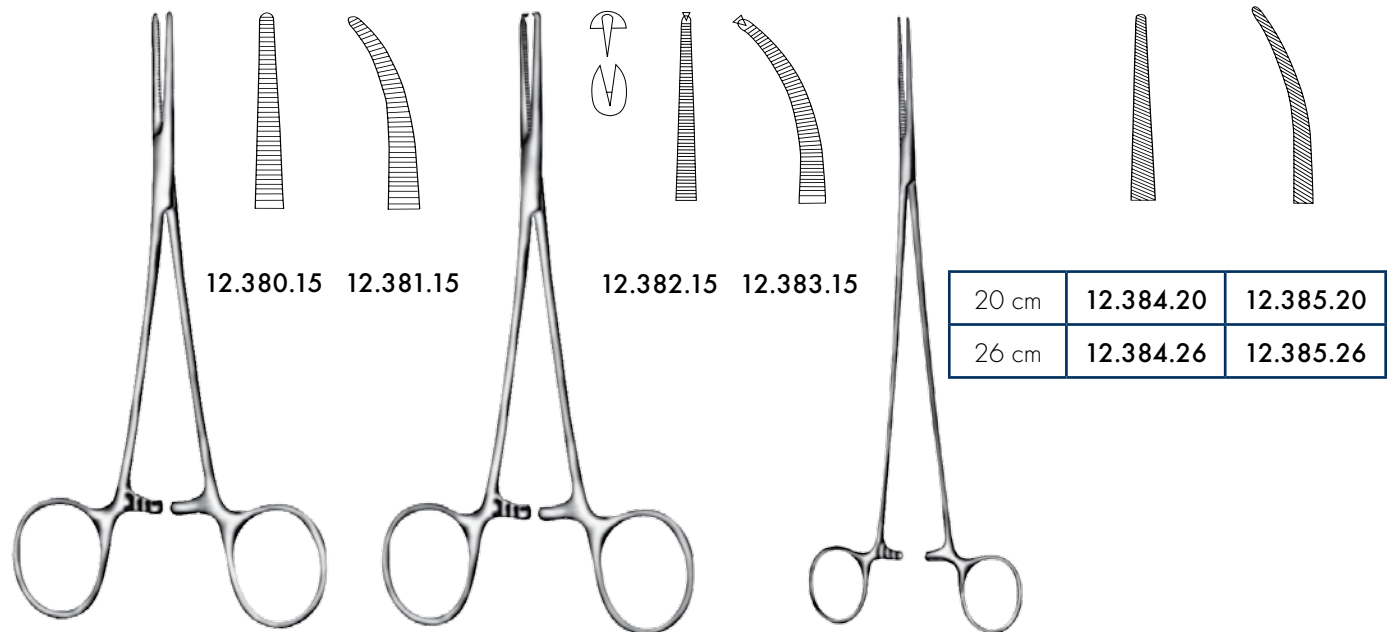


**CHAPUT**  
 12.370.13  
 13 cm

**TUFFIER**  
 12.372.13  
 13 cm

**COLLIN**  
 12.374.14  
 14 cm

**COLLIN**  
 12.376.16  
 16 cm



12.380.15 12.381.15

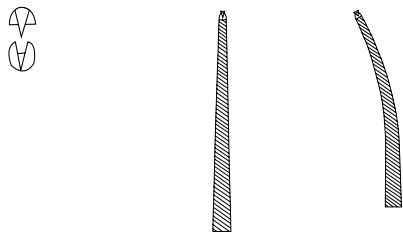
12.382.15 12.383.15

**LERICHE**  
 12.380.15 - 12.381.15  
 15 cm

**LERICHE**  
 12.382.15 - 12.383.15  
 1 x 2 teeth  
 15 cm

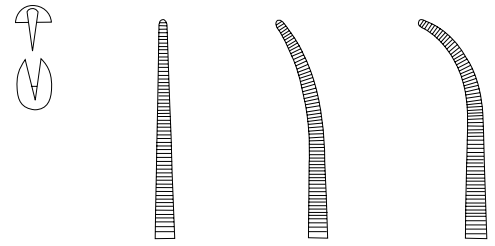
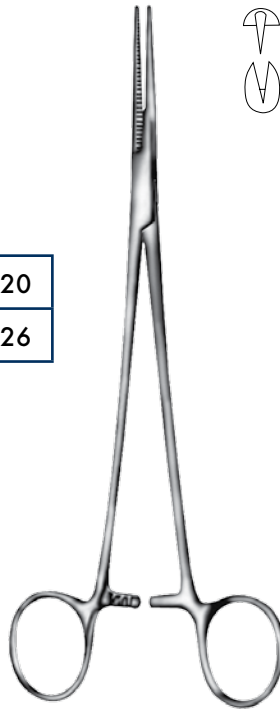
**BENGOLEA**  
 12.384.20 - 12.385.26

20 cm	12.384.20	12.385.20
26 cm	12.384.26	12.385.26

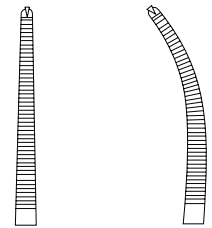


20 cm	12.386.20	12.387.20
26 cm	12.386.26	12.387.26

**BENGOLEA**  
12.386.20 - 12.387.26  
1 x 2 teeth

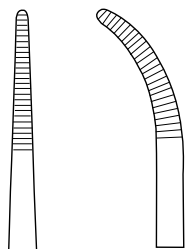


12.390.20 12.391.20 12.393.20



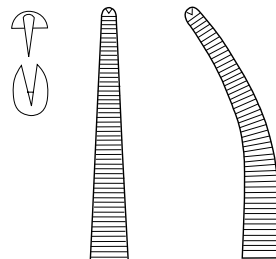
12.394.20 12.395.20  
1 x 2 teeth 1 x 2 teeth

**HEISS**  
12.390.20 - 12.395.20  
20 cm



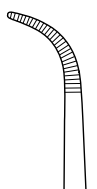
12.410.18 12.411.18

**ADSON**  
12.410.18 - 12.411.18  
18.5 cm



12.412.18 12.413.18

**ADSON**  
12.412.18 - 12.413.18  
1 x 2 teeth  
18.5 cm



**ADSON baby**  
12.415.18  
18 cm



**NISSEN**  
 12.415.19  
 18.5 cm



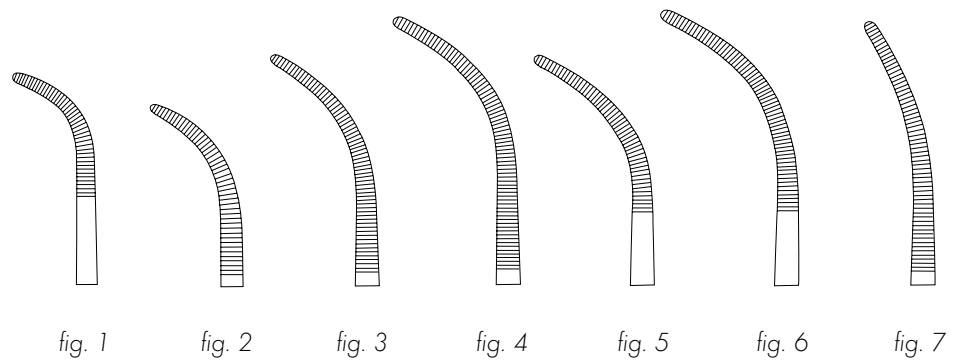
**VASECTOMY RING  
 FORCEPS**  
 12.416.14  
 14 cm / ø 35 mm



**HEMOSTATIC VASECTOMY FORCEPS**  
 12.417.14  
*short, curved, plain tips*  
 14 cm



**OVERHOLT GEISSENDOERFER**  
 12.421.01 - 12.427.07  
*dissecting and ligature forceps*



21 cm	12.421.01	12.421.02	12.421.03	12.421.04	12.421.05	12.421.06	12.421.07
27 cm	12.427.01	12.427.02	12.427.03	12.427.04	12.427.05	12.427.06	12.427.07

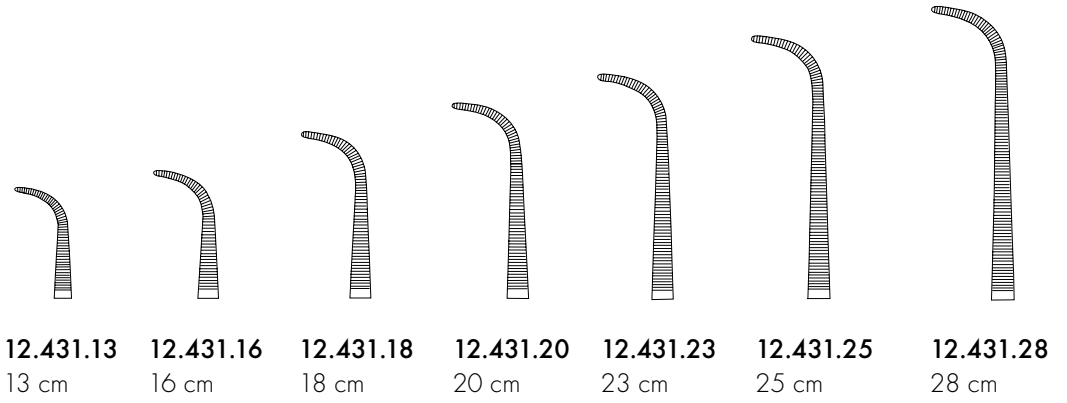


**GEMINI - GEMINI mini**  
*dissecting and ligature forceps*

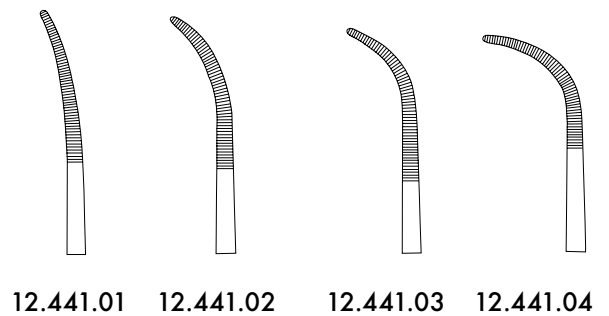
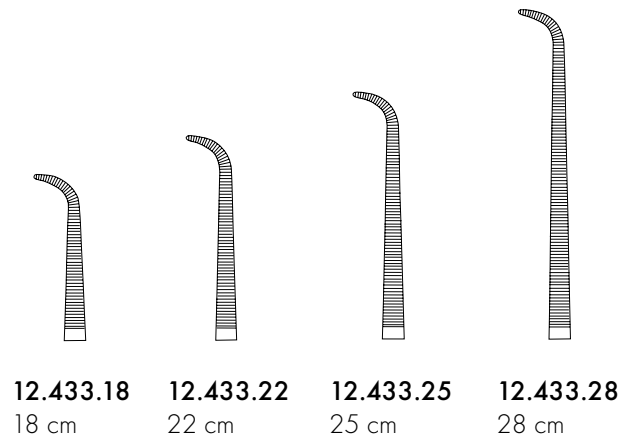


**RUMEL**  
12.441.01 - 12.441.04  
23 cm

**GEMINI**  
12.431.13 - 12.431.28



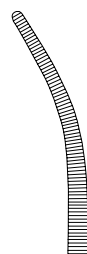
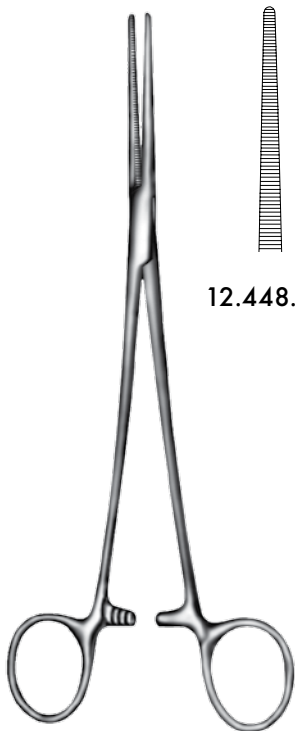
**GEMINI mini**  
12.433.18 - 12.433.28





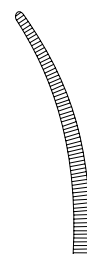
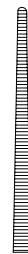
21 cm	12.442.21	12.443.21	12.444.21	12.445.21
26 cm	12.442.26	12.443.26	12.444.26	12.445.26

**TOENNIS**  
 12.442.21 - 12.445.26



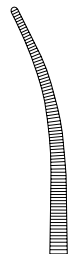
12.448.22 12.449.22

**ROBERTS**  
 12.448.22 - 12.449.22  
 22 cm



12.450.24 12.451.24

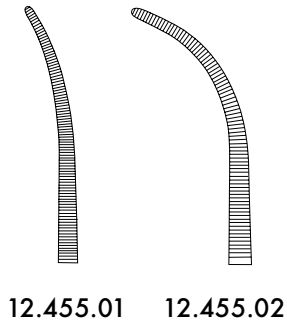
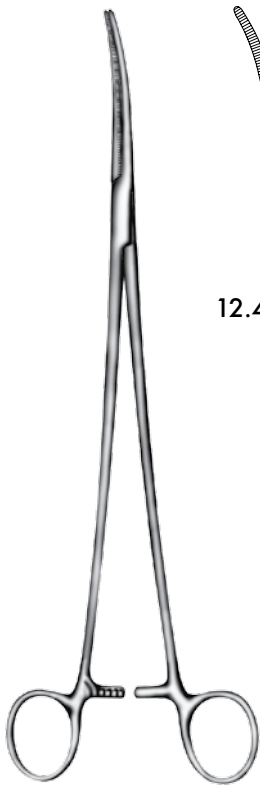
**SAROT**  
 12.450.24 - 12.451.24  
 22 cm



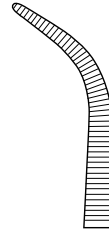
12.453.18  
 18 cm  
 12.453.24  
 24 cm

**CRAFOORD**  
 12.453.18 - 12.453.24

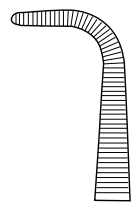
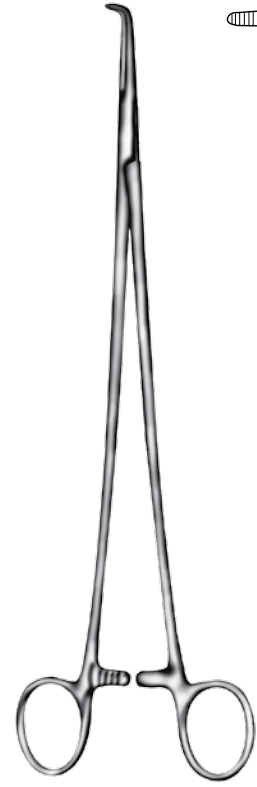




**ZENKER**  
12.455.01 - 12.455.02  
29.5 cm



**LAWRENCE**  
12.457.28  
28 cm



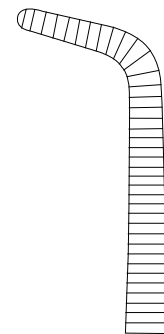
**MEEKER**  
12.459.28  
28 cm



**MIXTER baby**  
12.469.14  
14 cm



**MIXTER**  
12.471.14 - 12.471.23



14 cm	<b>12.471.14</b>
16 cm	<b>12.471.16</b>
18 cm	<b>12.471.18</b>
23 cm	<b>12.471.23</b>



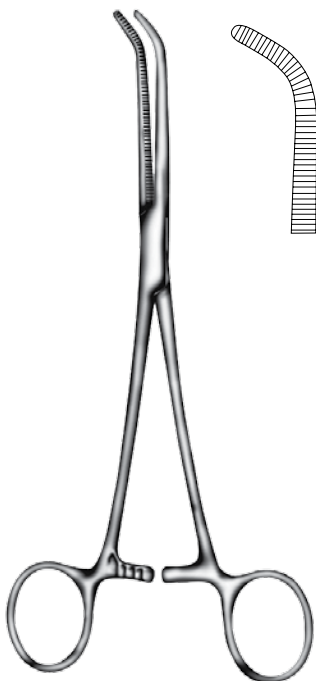
**MIXTER**  
 12.473.22  
 22 cm



**MIXTER baby**  
 12.475.14 - 12.475.18

**12.475.14**  
 14 cm

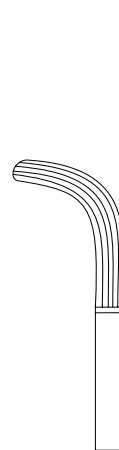
**12.475.18**  
 18 cm



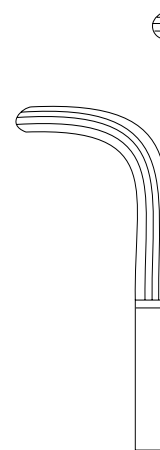
**MIXTER O'SHAUGNESSY**  
 12.477.15      12.477.19  
 15.5 cm      19 cm



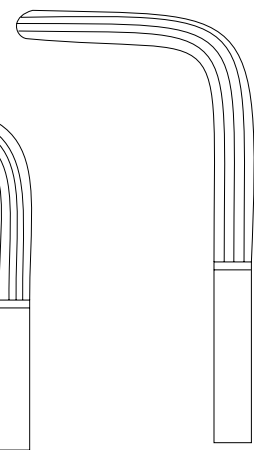
**MIXTER**  
 12.479.22 - 12.479.28



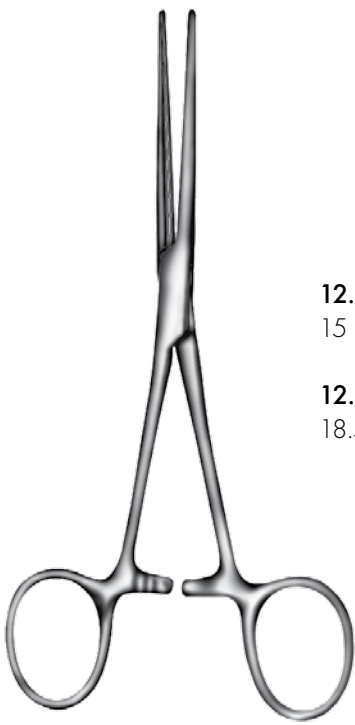
*fig. 1*  
**12.479.22**  
 22 cm



*fig. 2*  
**12.479.25**  
 25 cm



*fig. 3*  
**12.479.28**  
 28 cm



**12.480.15**  
15 cm

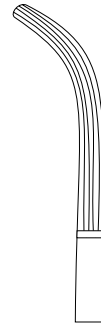
**12.480.18**  
18.5 cm

**BAINBRIDGE**  
12.480.15 - 12.481.18

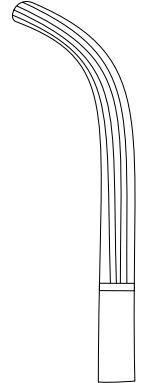


**12.481.15**  
15 cm

**12.481.18**  
18.5 cm



**12.491.19**  
19 cm



**12.493.23**  
23 cm

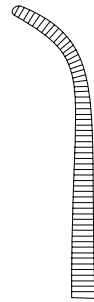
**LAHEY**  
12.491.19 - 12.493.23



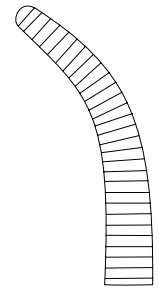
**LOWER**  
12.495.18  
18 cm



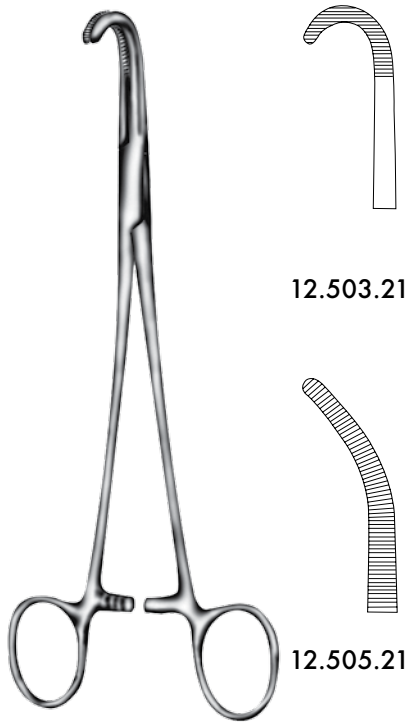
**JOHNS HOPKINS**  
12.497.20  
20 cm



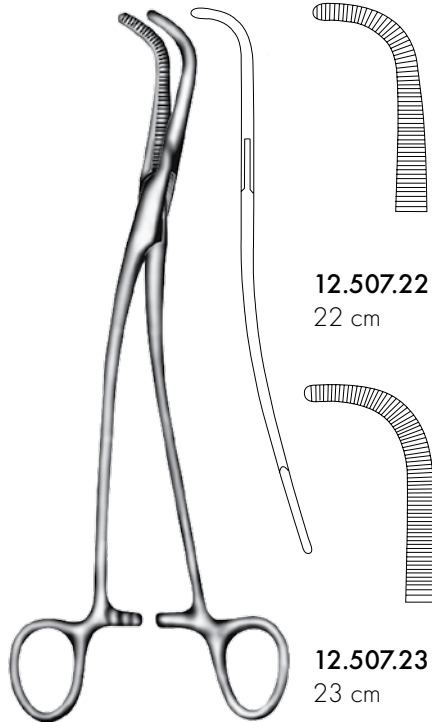
**MOYNIHAN**  
12.501.23  
23 cm



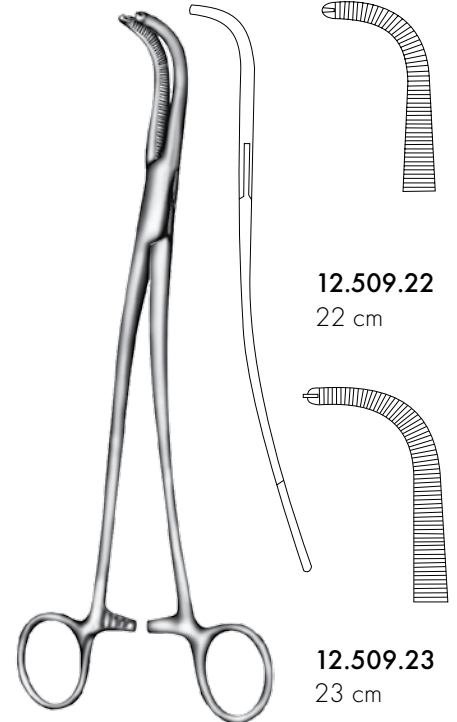
**Hemostatic Forceps**  
 Arterien- u, Schlauchklemmen  
 Pinzas Hemostáticas



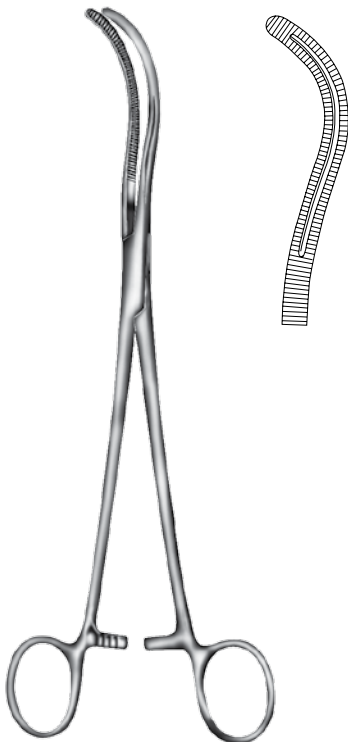
**DESJARDINS**  
 12.503.21 - 12.505.21  
 21 cm



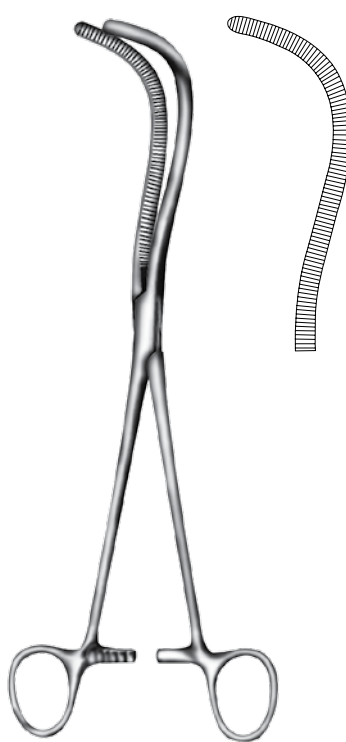
**GRAY**  
 12.507.22 - 12.507.23



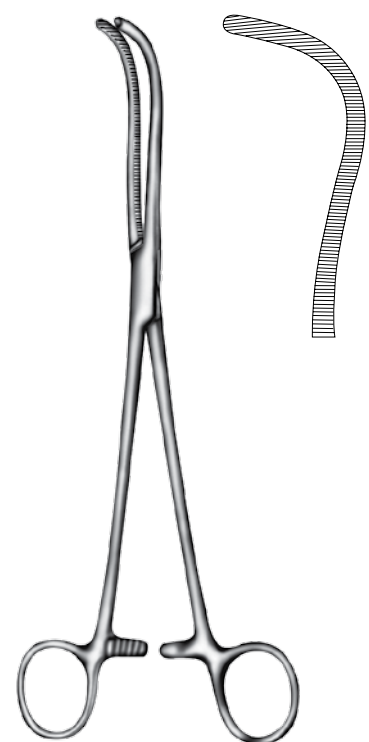
**GRAY**  
 12.509.22 - 12.509.23  
 1 x 2 teeth



**STILLE**  
 12.513.23  
 23 cm



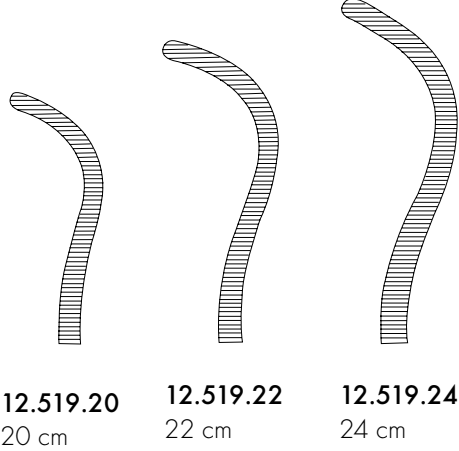
**MAYO GUYON**  
 12.515.23  
 23 cm



**GUYON**  
 12.517.23  
 23 cm



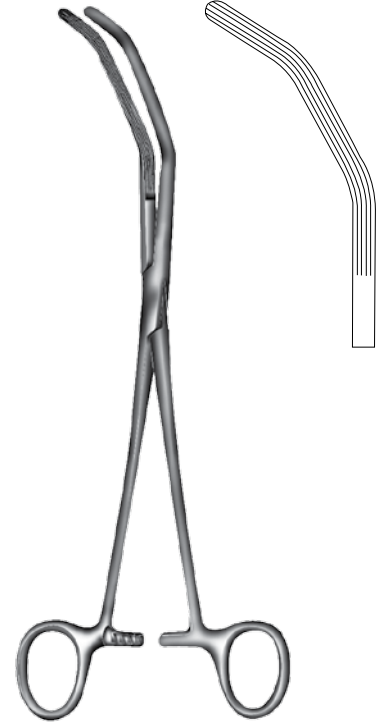
**GUYON**  
12.519.20 - 12.519.24



12.519.20  
20 cm

12.519.22  
22 cm

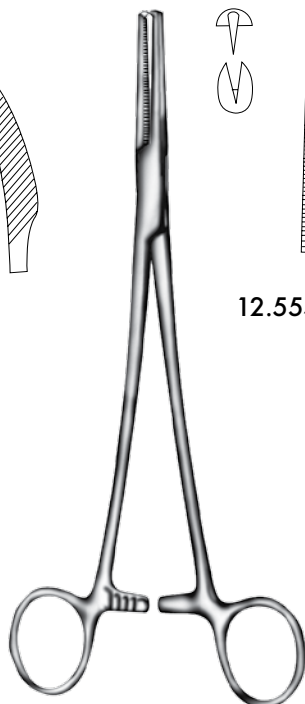
12.519.24  
24 cm



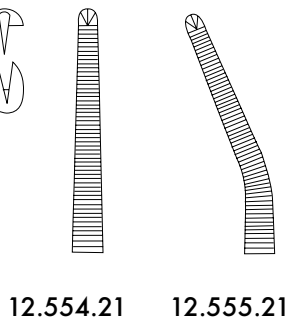
**HERRICK**  
12.523.23  
23 cm



**MIKULICZ**  
12.551.20  
1 x 2 teeth  
20 cm

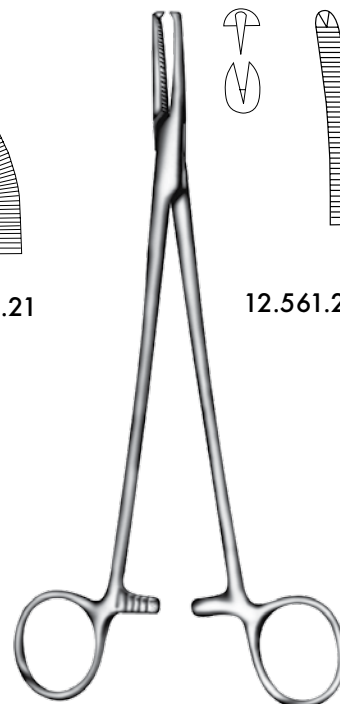


**PHANEUF**  
12.554.21 - 12.555.21  
1 x 2 teeth  
21 cm

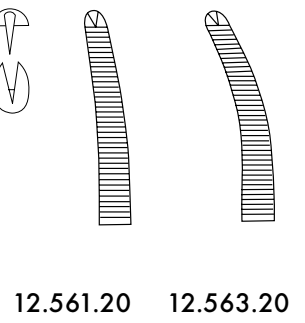


12.554.21

12.555.21

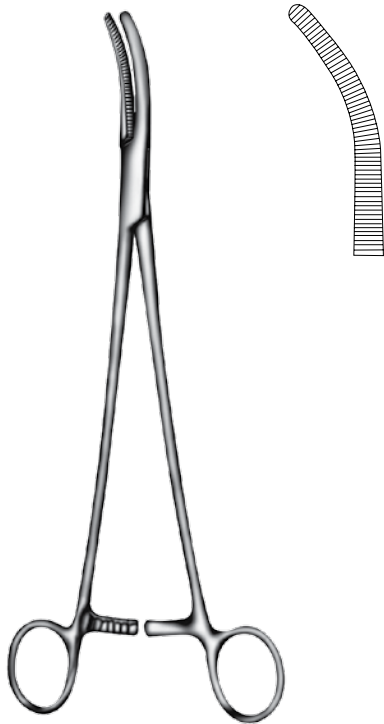


**FAURE**  
12.561.20 - 12.563.20  
1 x 2 teeth  
20 cm



12.561.20

12.563.20



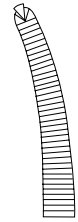
**WERTHEIM**  
 12.571.25  
 25 cm



**WERTHEIM**  
 12.573.22 - 12.575.23  
 1 x 2 teeth



**12.573.22**  
 22 cm



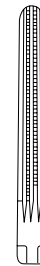
**12.575.23**  
 23 cm



**WERTHEIM CULLEN**  
 12.579.21  
 21.5 cm

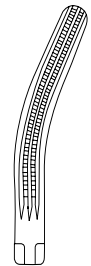


**ROBERTS**  
 12.580.21 - 12.581.25



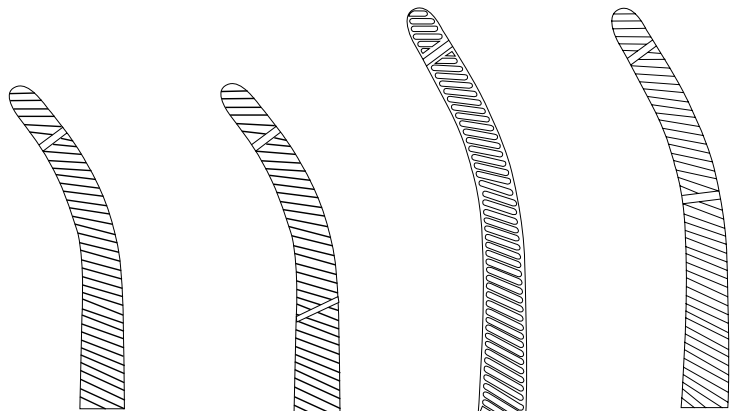
**12.580.21**  
 21.5 cm

**12.580.25**  
 25.5 cm



**12.581.21**  
 21.5 cm

**12.581.25**  
 25.5 cm



**12.591.20**  
1 teeth

**12.593.20**  
2 teeth

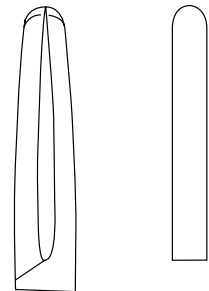
**12.591.23**  
1 teeth

**12.593.23**  
2 teeth

**HEANEY**  
12.591.20 - 12.593.20  
20 cm

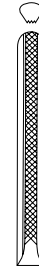
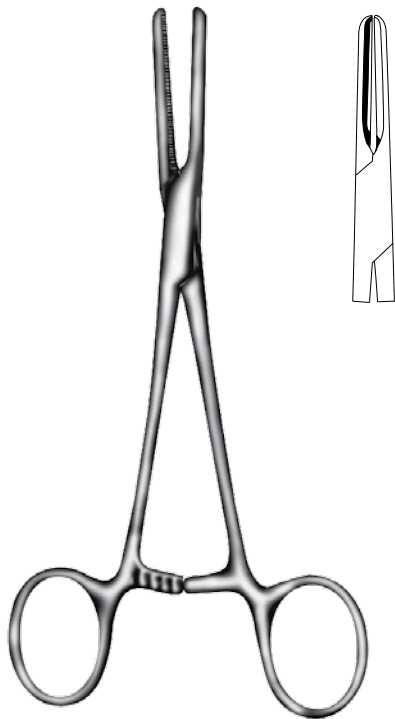


**TUBING CLAMP**  
12.702.14  
14.5 cm



16 cm	<b>12.704.16</b>
18 cm	<b>12.704.18</b>
20 cm	<b>12.704.20</b>

**TUBING CLAMP**  
12.704.16 - 12.704.20  
smooth tips

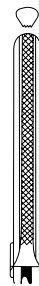
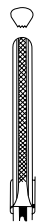
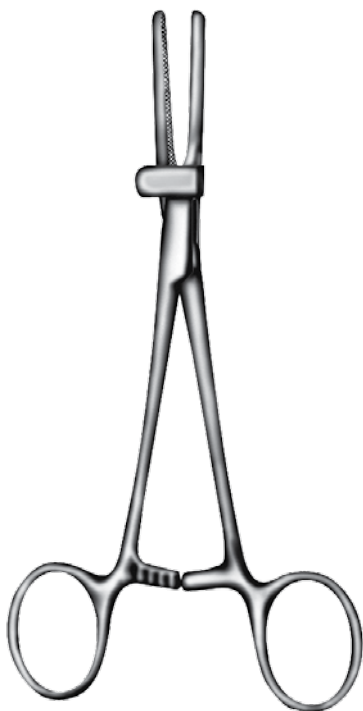


**12.710.15**  
15 cm

**12.710.18**  
18 cm

**12.710.20**  
20 cm

**TUBING CLAMP**  
12.710.15 - 12.710.20



**12.712.15**  
15 cm

**12.712.18**  
18 cm

**12.712.20**  
20 cm

**TUBING CLAMP**  
12.712.15 - 12.712.20  
*with protector*



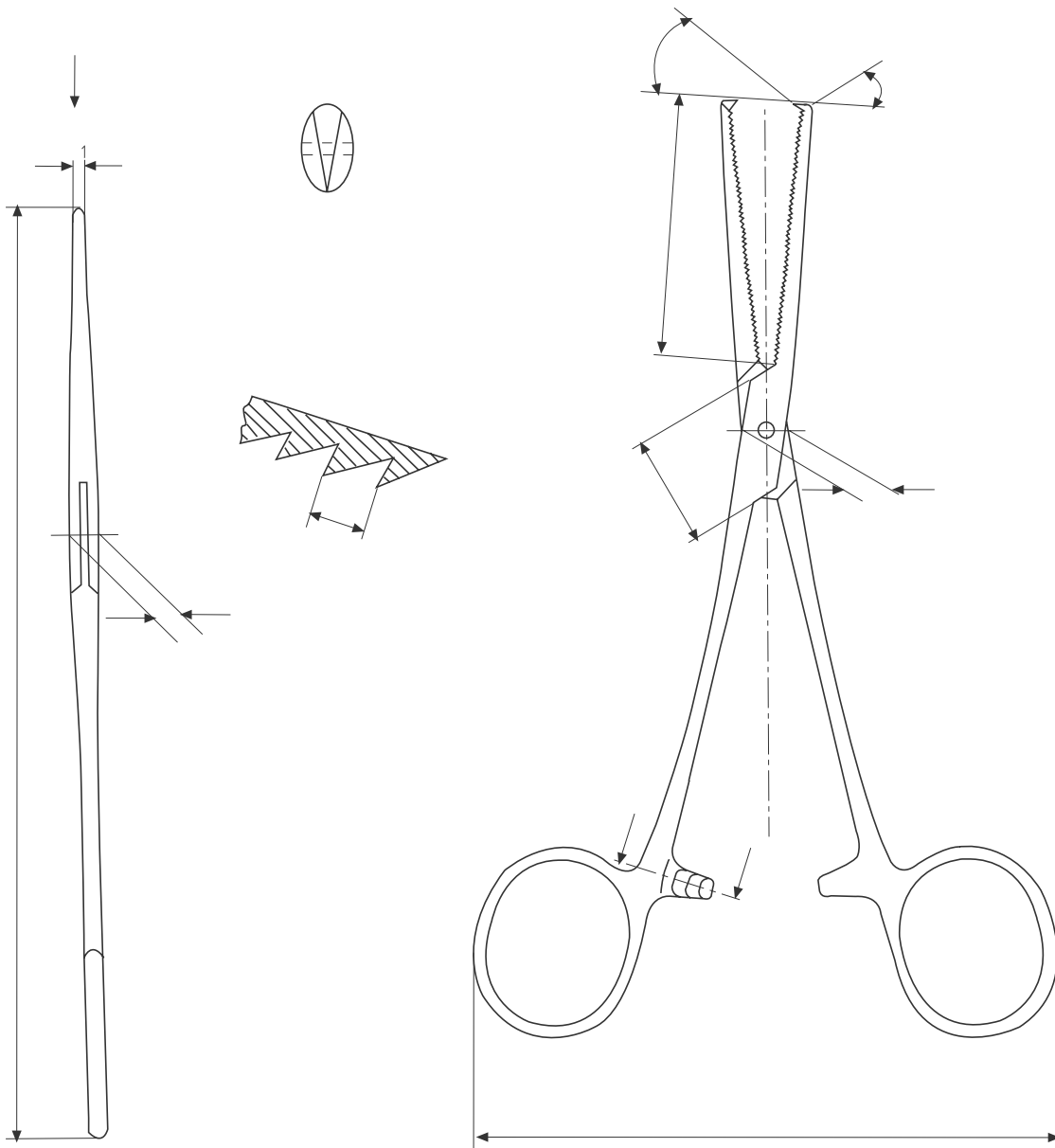
**GUNNAR HEY**  
12.722.18  
*roller forceps*

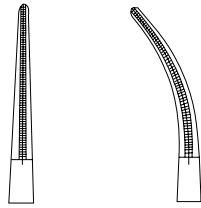




# 13

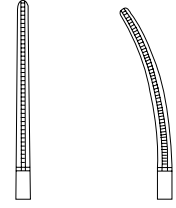
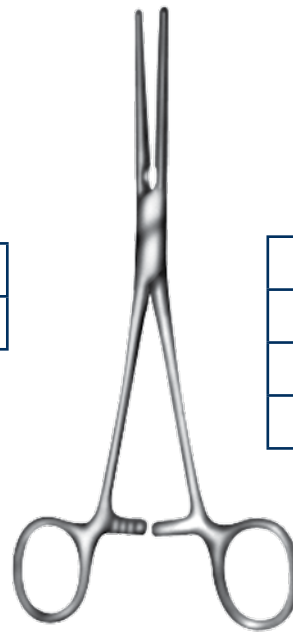
## Atraumatic Hemostatic Forceps Atraumatische hämostatische Pinzette Pinzas Hemostáticas





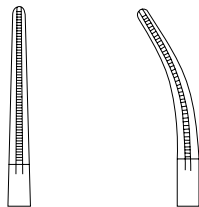
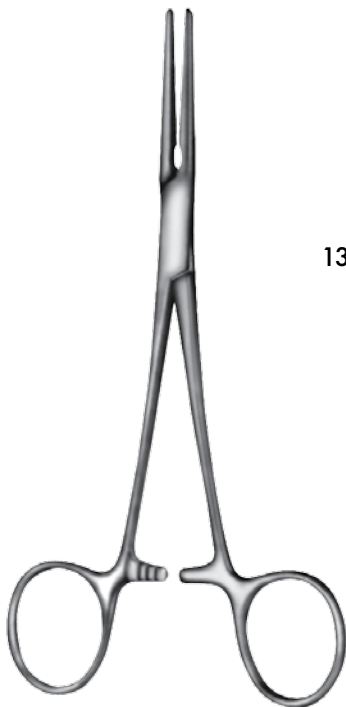
12 cm	13.080.12	13.081.12
15 cm	13.080.15	13.081.15

**HALSTED**  
13.080.12 - 13.081.15



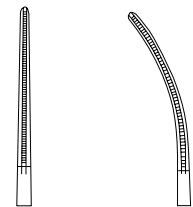
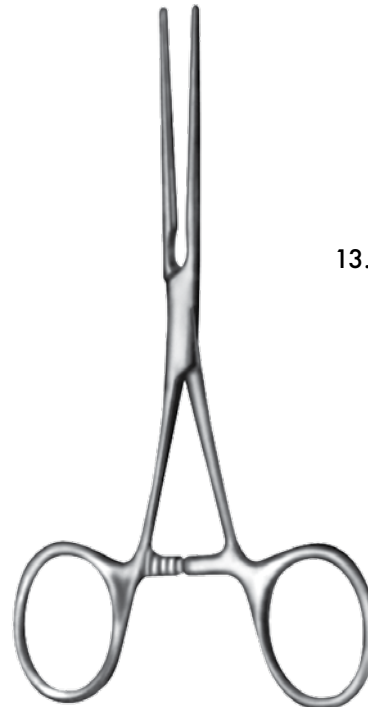
14 cm	13.082.14	13.083.14
16 cm	13.082.16	13.083.16
18 cm	13.082.18	13.083.18
20 cm	13.082.20	13.083.20

**PEAN**  
13.082.14 - 13.083.20



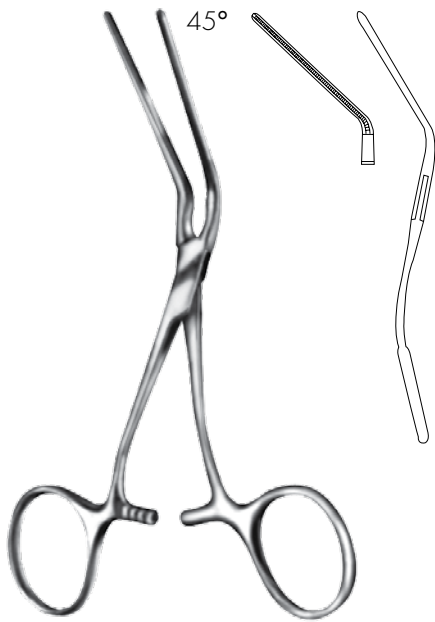
13.084.16 13.085.16

**RANKIN**  
13.084.16 - 13.085.16  
16 cm

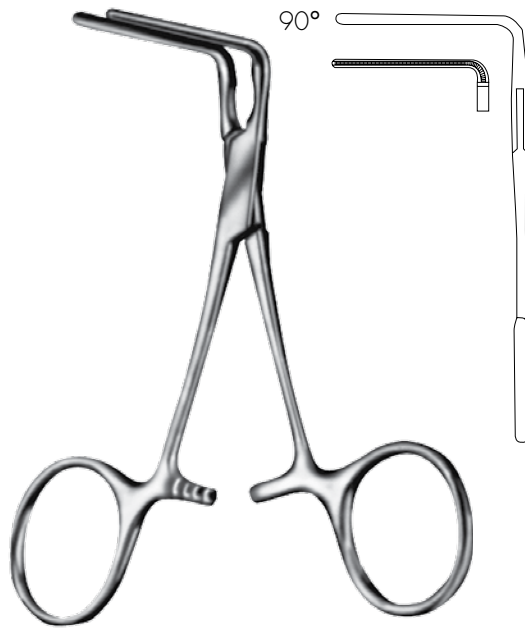


13.102.12 13.103.12

**DEBAKEY**  
13.102.12 - 13.103.12  
12 cm



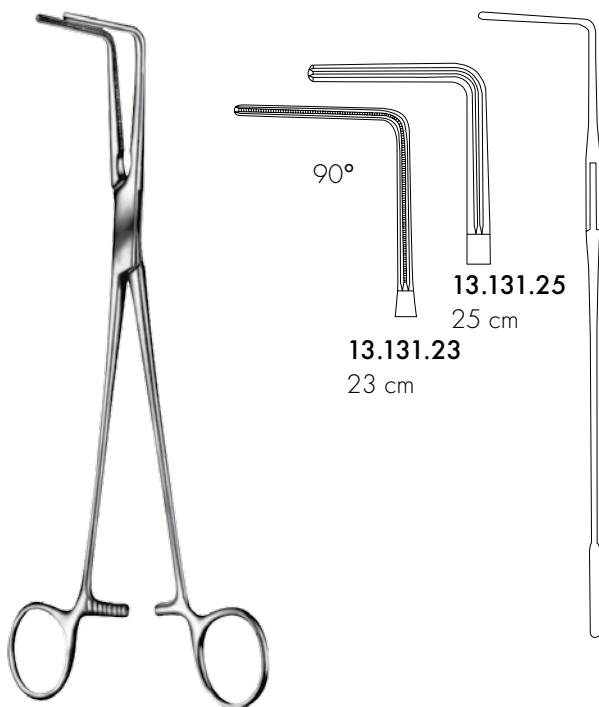
**DE BAKEY**  
 13.111.12  
 12 cm



**DE BAKEY**  
 13.113.12  
 12 cm



**DE BAKEY**  
 13.121.12  
 12 cm



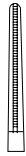
**LEES**  
 13.131.23 - 13.131.25



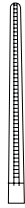
**LEES**  
 13.133.25  
 25 cm



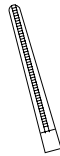
**13.140.20**  
20 cm / 30 mm



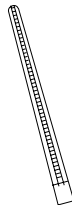
**13.140.22**  
22.5 cm / 55 mm



**13.141.20**  
20 cm / 30 mm



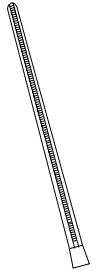
**13.141.22**  
22.5 cm / 55 mm



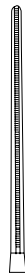
**POTTS**  
13.140.20 - 13.141.22



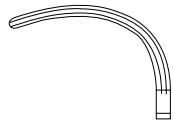
**13.141.26**  
26 cm / 80 mm



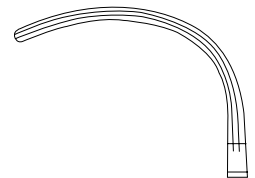
**13.140.26**  
26 cm / 80 mm



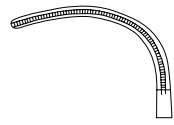
**GLOVER**  
13.140.26 - 13.141.26



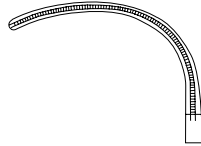
**POTTS**  
**13.151.21**  
21 cm / 55 mm



**GLOVER**  
**13.151.24**  
24 cm



**13.153.18**  
18.5 cm

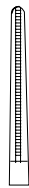


**13.153.22**  
22 cm

**GLOVER**  
13.153.18 - 13.153.22



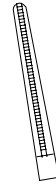
**GLOVER**  
13.161.21  
21 cm



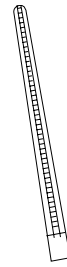
**13.170.19**  
19.5 cm



**13.170.22**  
22 cm

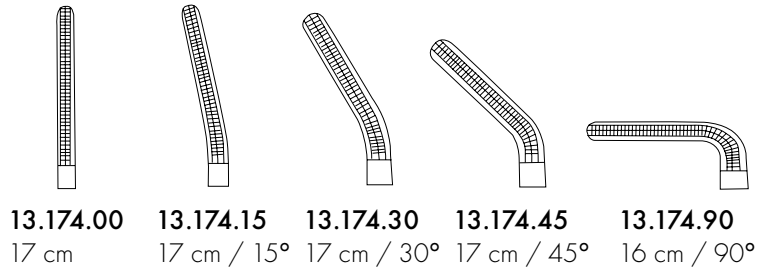
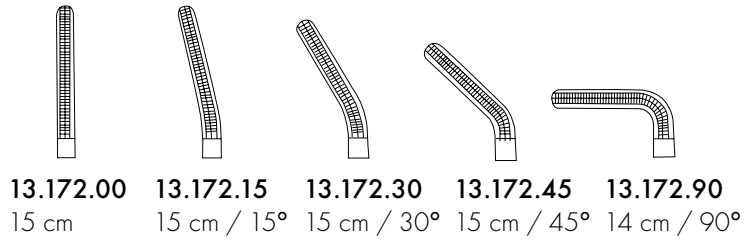


**13.171.19**  
19.5 cm

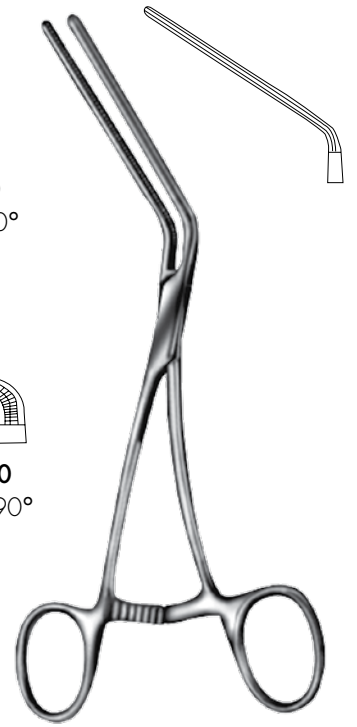


**13.171.22**  
22 cm

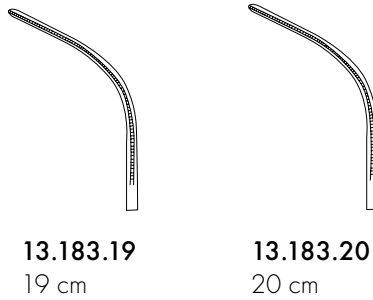
**DE BAKEY**  
13.170.19 - 13.171.22



**DARDIK**  
13.172.00 - 13.174.90



**LELAND JONES**  
13.181.19  
19 cm



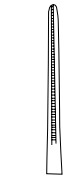
**DE BAKEY**  
13.183.19 - 13.183.20



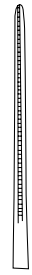
**DE BAKEY**  
13.191.16  
16 cm



**BAINBRIDGE**  
 13.196.15 - 13.197.18



**13.196.15**  
 15 cm



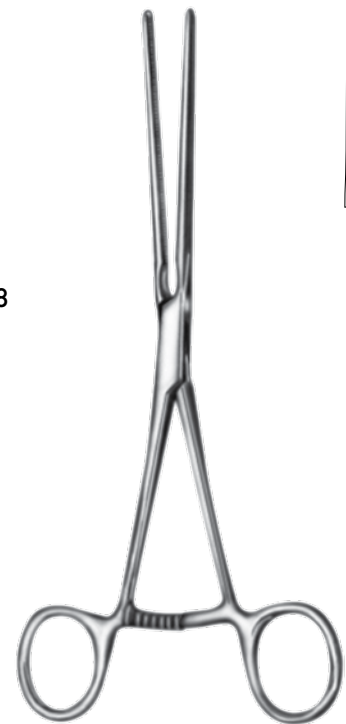
**13.196.18**  
 18 cm



**13.197.15**  
 15 cm



**13.197.18**  
 18 cm



**LELAND JONES**  
 13.202.19  
 19 cm



**13.203.19** **13.205.19**

**LELAND JONES**  
 13.203.19 - 13.205.19  
 19 cm

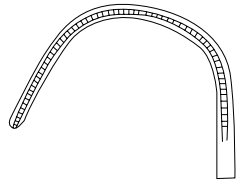


**LITTLE**  
 13.209.27  
 27 cm

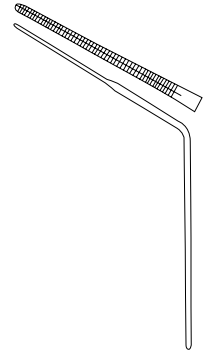


**LAMBERT KAY**  
 13.211.20  
 20 cm

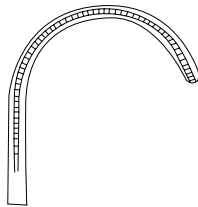




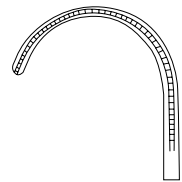
**LAMBERT KAY**  
13.213.20  
20 cm



**DE BAKEY**  
13.215.20  
20 cm



**WEBER**  
13.217.26  
*left*  
26 cm



**WEBER**  
13.219.26  
*right*  
26 cm

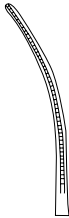
**Atraumatic Hemostatic Forceps**

Atraumatische hämostatische Pinzette

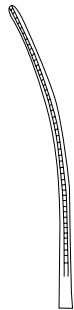
Pinzas hemostáticas



**13.221.24**  
24 cm



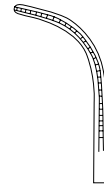
**13.221.27**  
27 cm



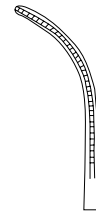
**13.221.31**  
31 cm



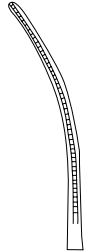
**13.221.35**  
35 cm



**13.223.24**  
24 cm



**13.223.25**  
25 cm



**13.223.26**  
26 cm

**DE BAKEY**

13.221.24 - 13.221.35

**DE BAKEY - BAHNSON**

13.223.24 - 13.223.26



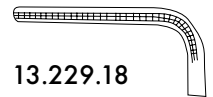
**DE BAKEY**

13.225.28  
28 cm

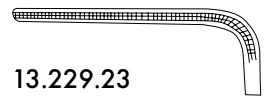


**DE BAKEY**

13.227.28  
28 cm



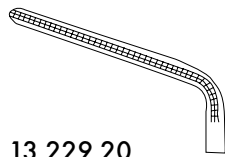
**13.229.18**  
18 cm



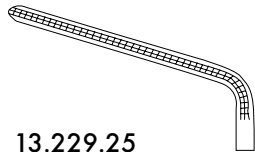
**13.229.23**  
23 cm

**DE BAKEY**

13.229.18 - 13.229.23



**13.229.20**  
20 cm

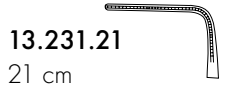


**13.229.25**  
25 cm

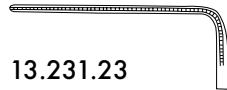
**MORRIS**  
13.229.20 - 13.229.25  
2 x 3 teeth



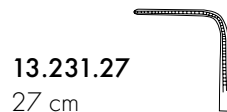
**13.231.18**  
18 cm



**13.231.21**  
21 cm

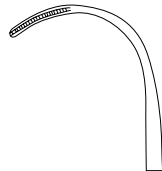


**13.231.23**  
23 cm

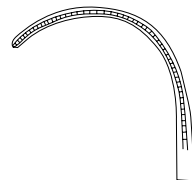


**13.231.27**  
27 cm

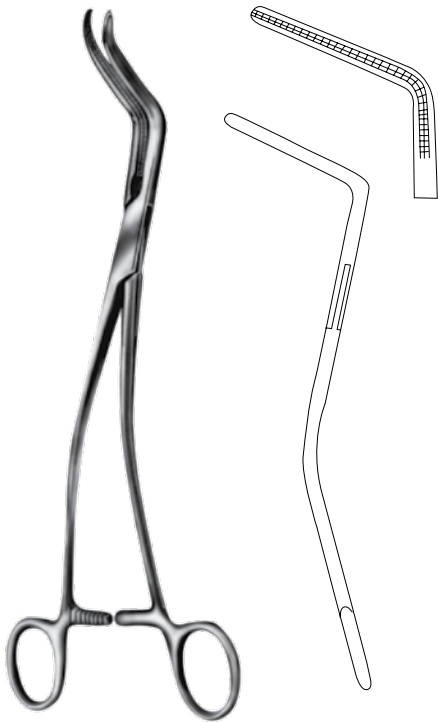
**DE BAKEY**  
13.231.18 - 13.231.27



**DE BAKEY SEMB**  
13.241.25  
25 cm



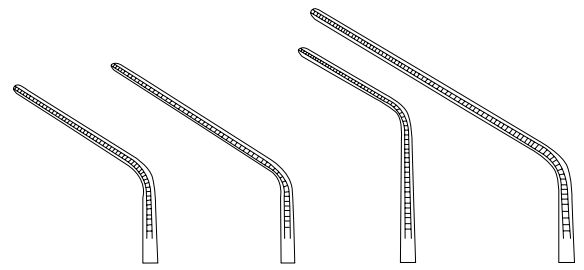
**DE BAKEY**  
13.241.26  
26 cm



**DE BAKEY**  
 13.247.27  
 27 cm



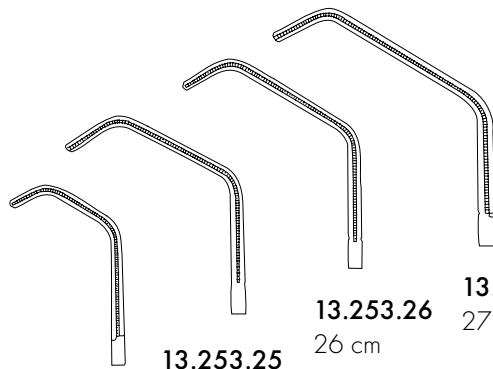
**DE BAKEY**  
 13.251.20 - 13.251.30



13.251.20 20 cm  
 13.251.24 24 cm  
 13.251.25 25 cm  
 13.251.30 30 cm



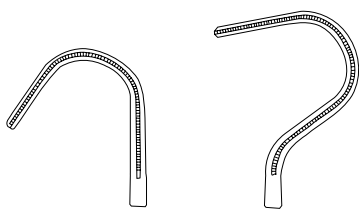
**SATINSKY**  
 13.253.20 - 13.253.27



13.253.20 20 cm  
 13.253.25 25 cm  
 13.253.26 26 cm  
 13.253.27 27 cm



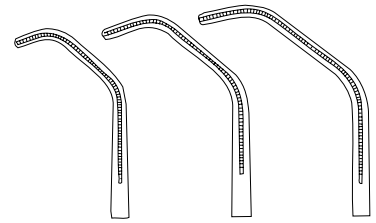
**SATINSKY - DE BAKEY**  
 13.253.24  
 24 cm



**13.259.01**  
21 cm

**13.259.02**  
22 cm

**WYLIE**  
13.259.01 - 13.259.02

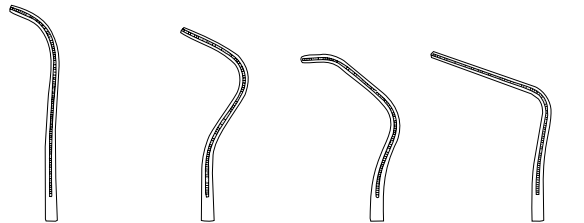


**13.261.23**  
23 cm

**13.261.24**  
24 cm

**13.261.25**  
25 cm

**DE BAKEY - SATINSKY**  
13.261.23 - 13.261.25



**13.263.25**  
25 cm

**13.265.24**  
24 cm

**13.267.24**  
24 cm

**13.269.24**  
24 cm

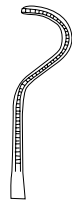
**HARKEN**  
13.263.25 - 13.269.24



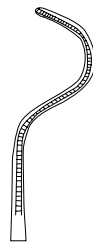
**DALE**  
13.271.18  
18.5 cm



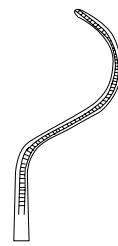
**DALE**  
 13.273.17 - 13.273.19



**13.273.17**  
*small*  
 17 cm



**13.273.18**  
*medium*  
 18 cm



**13.273.19**  
*large*  
 19 cm



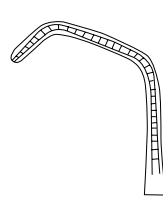
**DE BAKEY**  
 13.281.17  
 17 cm



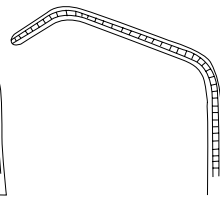
**BECK**  
 13.283.17  
 17 cm



**DE BAKEY - BECK**  
 13.284.20 - 13.284.21



**13.284.20**  
 20.5 cm



**13.284.21**  
 21.5 cm



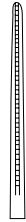
**DE BAKEY**  
 13.285.17  
 17 cm



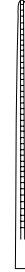
**DE BAKEY**  
13.287.24  
24 cm



**POTTS**  
13.288.21 - 13.288.31



**13.288.21**  
21 cm



**13.288.23**  
23 cm



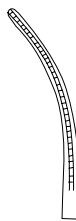
**13.288.27**  
27 cm



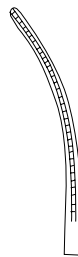
**13.288.31**  
31 cm



**POTTS**  
13.289.21 - 13.289.31



**13.289.21**  
21 cm



**13.289.23**  
23 cm



**13.289.27**  
27 cm

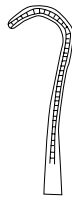


**13.289.31**  
31 cm



**DERRA**  
 13.291.16 - 13.291.18

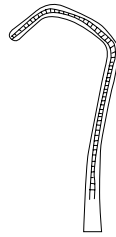
**13.291.16**  
 16 cm



**13.291.17**  
 17 cm



**13.291.18**  
 18 cm



**DE BAKEY**  
 13.302.16  
 16 cm



**DE BAKEY**  
 13.302.17  
 17 cm



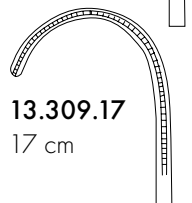
**DE BAKEY**  
 13.303.15 - 13.305.15  
 15.5 cm



**DE BAKEY**  
 13.307.17  
 17 cm



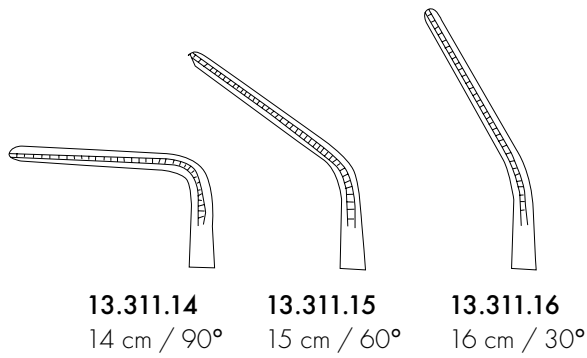
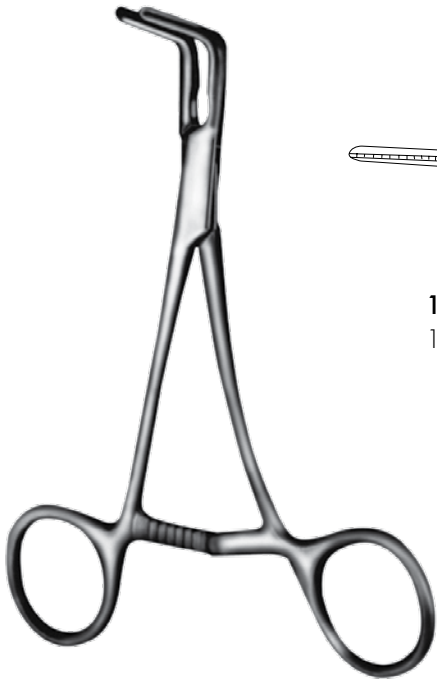
**DE BAKEY**  
 13.309.16 - 13.309.17



**13.309.16**  
 16 cm

**13.309.17**  
 17 cm





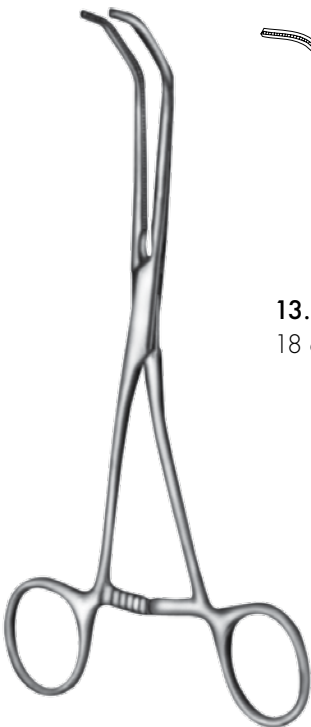
**13.311.14**  
14 cm / 90°

**13.311.15**  
15 cm / 60°

**13.311.16**  
16 cm / 30°



**GLOVER**  
**13.321.17**  
17 cm



**13.329.01**  
18 cm

**13.329.02**  
18 cm

**13.329.03**  
16.5 cm

**13.329.04**  
16.5 cm



**SUBRAMANIAN**  
**13.331.15**  
15 cm

**DE BAKEY - REYNOLDS**  
**13.329.01 - 13.329.04**



**SUBRAMANIAN**  
13.333.16  
*right*  
16 cm



**SUBRAMANIAN**  
13.335.16  
*left*  
16 cm



**OCHSNER**  
13.337.23  
23 cm



**DIETRICH**  
13.339.21  
21 cm



**DE BAKHEY**  
13.341.19 - 13.341.23



13.341.19  
19 cm



13.341.20  
20 cm



13.341.23  
23 cm



**JAVID**  
13.343.18  
19 cm



**JAVID**  
13.343.19  
19 cm



**GREGORY**  
13.349.14 - 13.349.18

**13.349.14**  
*small*  
14 cm

**13.349.16**  
*medium*  
16 cm

**13.349.18**  
*large*  
18 cm



**COOLEY**  
13.350.13 - 13.351.13  
13 cm

**13.350.13**  
13 cm

**13.351.13**  
13 cm



**COOLEY**  
13.353.13  
13.5 cm



**COOLEY**  
13.355.13  
13 cm



**COOLEY**  
13.357.12  
12.5 cm



**COOLEY**  
13.359.10  
10.5 cm

**Atraumatic Hemostatic Forceps**  
 Atraumatische hämostatische Pinzette  
 Pinzas hemostáticas



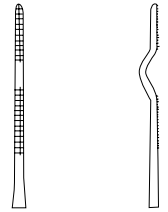
**COOLEY**  
 13.361.12  
 12 cm



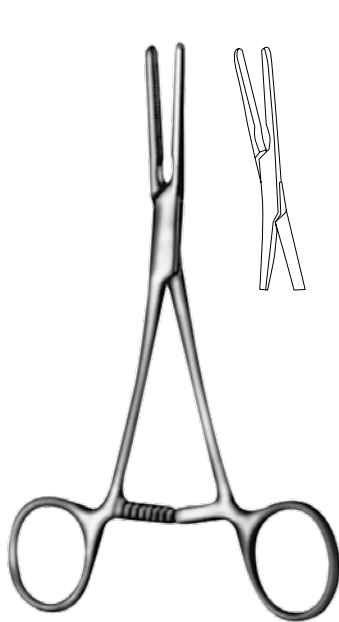
**COOLEY**  
 13.363.13  
 13.5 cm



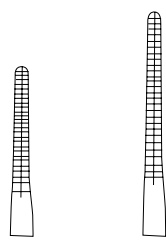
**COOLEY**  
 13.371.24 - 13.373.36  
 20 cm



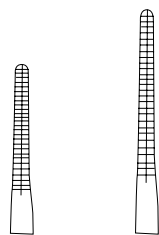
24 cm	<b>13.371.24</b>
26 cm	<b>13.371.26</b>
28 cm	<b>13.373.28</b>
30 cm	<b>13.373.30</b>
32 cm	<b>13.373.32</b>
36 cm	<b>13.373.36</b>



**COOLEY**  
 13.376.14 - 13.377.16



**13.376.14** 13.376.16  
 14 cm 16 cm



**13.377.14** 13.377.16  
 14 cm 16 cm



**COOLEY**  
 13.379.14  
 14 cm



**COOLEY**  
 13.380.14  
 14 cm



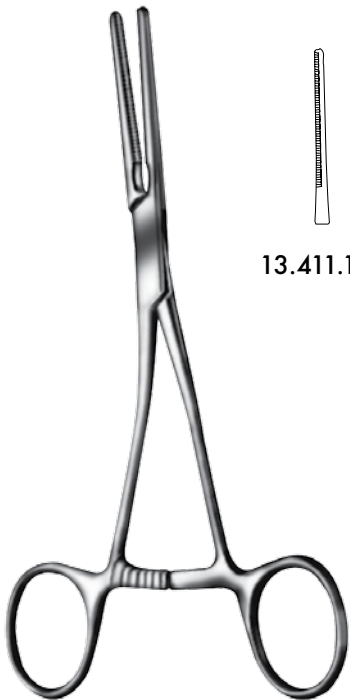
**COOLEY**  
**13.381.14**  
14 cm



**COOLEY**  
**13.405.27**  
27 cm



**COOLEY**  
**13.410.17**  
17 cm



**COOLEY**  
**13.411.17 - 13.415.17**  
17 cm



**13.411.17**



**13.413.17**



**13.415.17**



**COOLEY**  
**13.417.21**      **13.417.25**  
21 cm              25 cm



**COOLEY**  
**13.419.21**  
21 cm



13.420.14 13.421.14

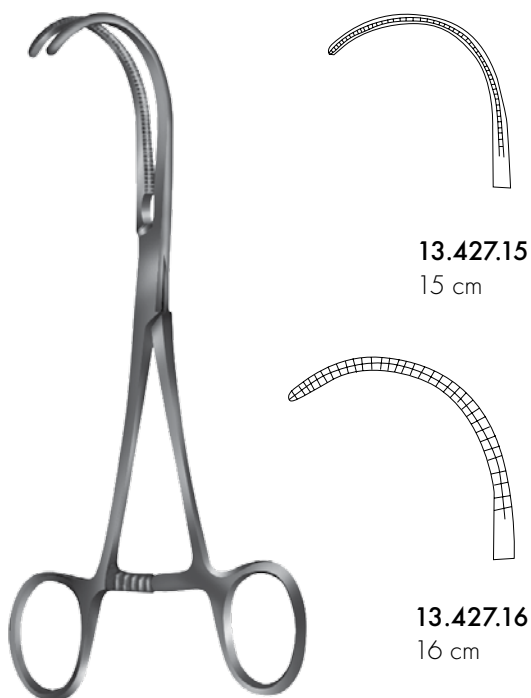
**COOLEY**  
 13.420.14 - 13.421.14  
 14 cm



**COOLEY**  
 13.423.14  
 14 cm



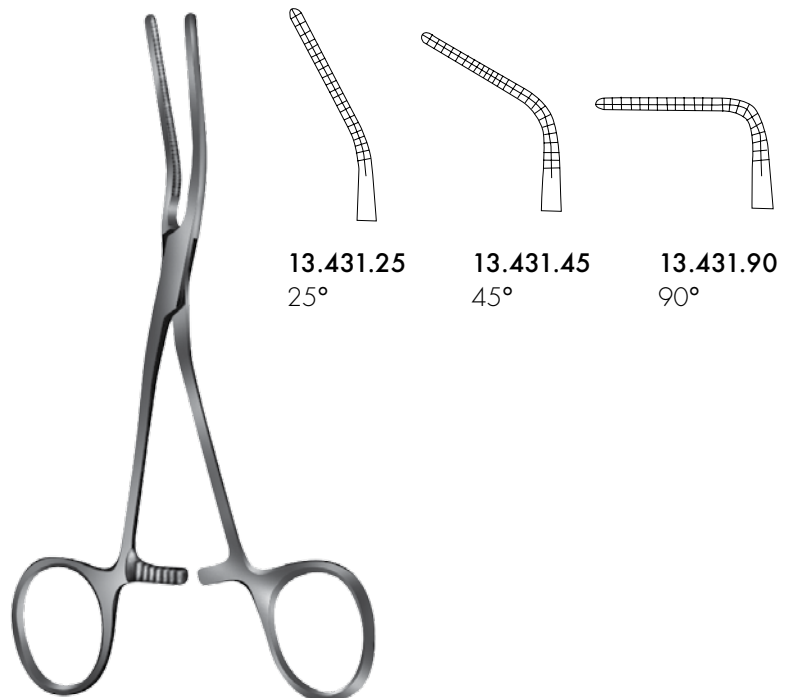
**COOLEY**  
 13.425.14  
 14 cm



13.427.15  
 15 cm

13.427.16  
 16 cm

**COOLEY**  
 13.427.15 - 13.427.16



13.431.25  
 25°

13.431.45  
 45°

13.431.90  
 90°

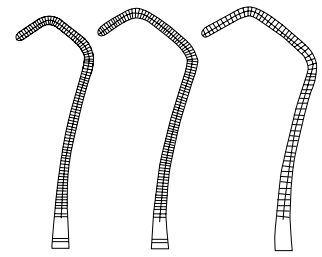
**COOLEY**  
 13.431.25 - 13.431.90



**COOLEY**  
13.433.14  
14 cm



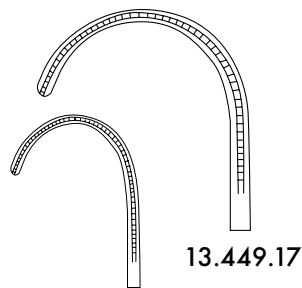
**COOLEY**  
13.441.16 - 13.441.18



13.441.16 13.441.17 13.441.18  
16 cm 17 cm 18 cm



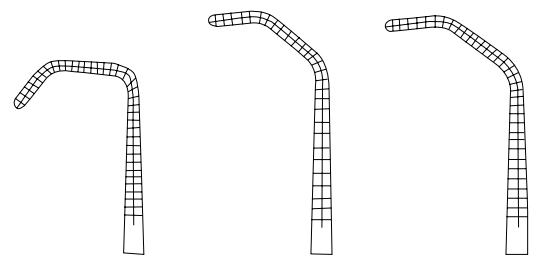
**COOLEY**  
13.447.17 - 13.449.17  
17 cm



13.447.17 13.449.17



**COOLEY**  
13.451.16 - 13.455.17



13.451.16 13.453.16 13.455.17  
16.5 cm 17.5 cm 17.5 cm



**COOLEY**  
13.457.17 - 13.461.17  
17 cm



**COOLEY**  
13.465.18  
18 cm



**COOLEY**  
13.465.19  
19 cm



**COOLEY**  
13.465.26  
26 cm



**COOLEY**  
13.467.27  
27 cm

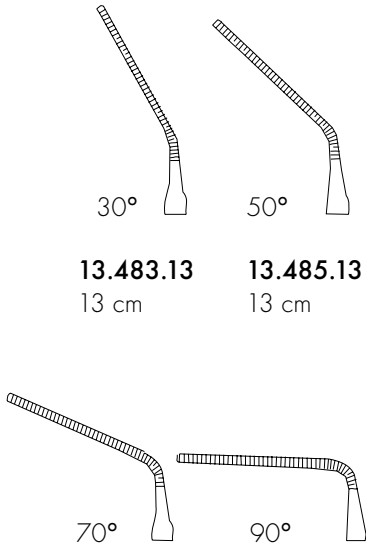


**COOLEY**  
13.481.13  
13 cm





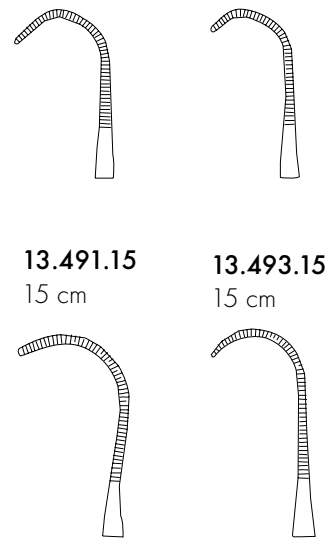
**CASTAÑEDA**  
13.483.13 - 13.489.13



30° 13.483.13 13 cm  
50° 13.485.13 13 cm  
70° 13.487.13 12 cm  
90° 13.489.13 10 cm



**CASTAÑEDA**  
13.491.15 - 13.495.15



13.491.15 15 cm  
13.493.15 15 cm  
13.495.12 12 cm  
13.495.15 15 cm



**CASTAÑEDA**  
13.502.01 - 13.502.09



**CASTAÑEDA**  
13.503.01 - 13.503.09



**CASTAÑEDA**  
13.505.01 - 13.505.09

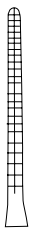


fig. 1

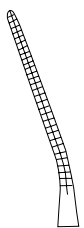


fig. 2

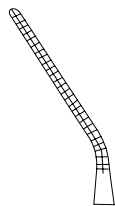


fig. 3

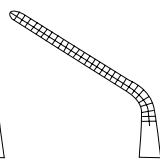


fig. 4

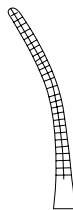


fig. 5

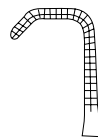


fig. 6

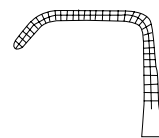


fig. 7

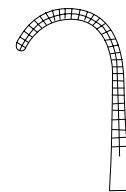


fig. 8

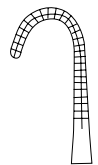


fig. 9

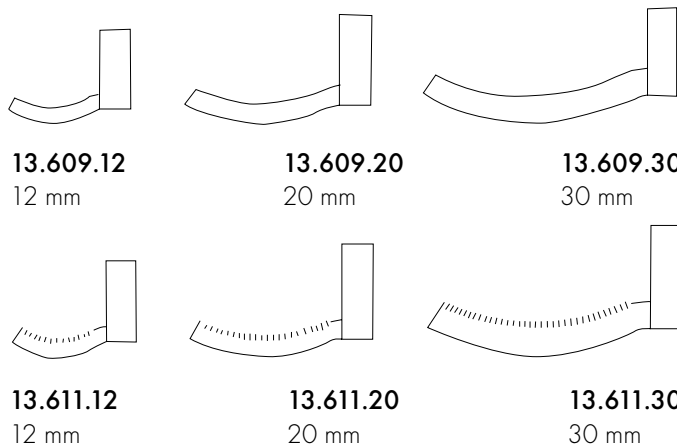
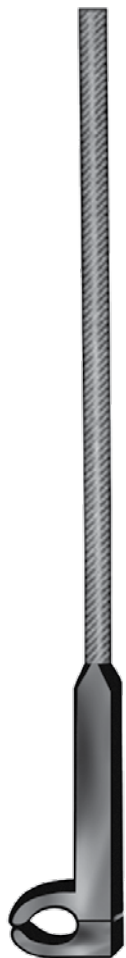
13.502.01	13.502.02	13.502.03	13.502.04	13.502.05	13.502.06	13.502.07	13.502.08	13.502.09
13.503.01	13.503.02	13.503.03	13.503.04	13.503.05	13.503.06	13.503.07	13.503.08	13.503.09
13.505.01	13.505.02	13.505.03	13.505.04	13.505.05	13.505.06	13.505.07	13.505.08	13.505.09



tip length

46 mm	<b>13.515.46</b>
48 mm	<b>13.515.48</b>
50 mm	<b>13.515.50</b>
52 mm	<b>13.515.52</b>
56 mm	<b>13.515.56</b>

**CASTAÑEDA**  
 13.515.46 - 13.515.56  
 15.5 cm



**13.609.12**  
 12 mm

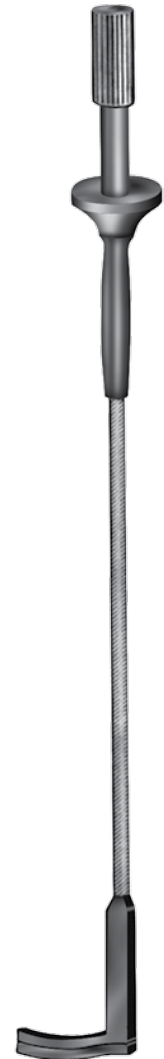
**13.609.20**  
 20 mm

**13.609.30**  
 30 mm

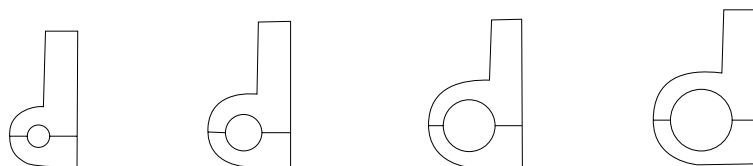
**13.611.12**  
 12 mm

**13.611.20**  
 20 mm

**13.611.30**  
 30 mm



**CASTAÑEDA**  
 13.609.12 - 13.611.30



**CASTAÑEDA**  
 13.615.03 - 13.615.09

**13.615.03**  
 22 cm  
 ø 3 mm

**13.615.05**  
 22 cm  
 ø 5 mm

**13.615.07**  
 22 cm  
 ø 7 mm

**13.615.09**  
 22 cm  
 ø 9 mm

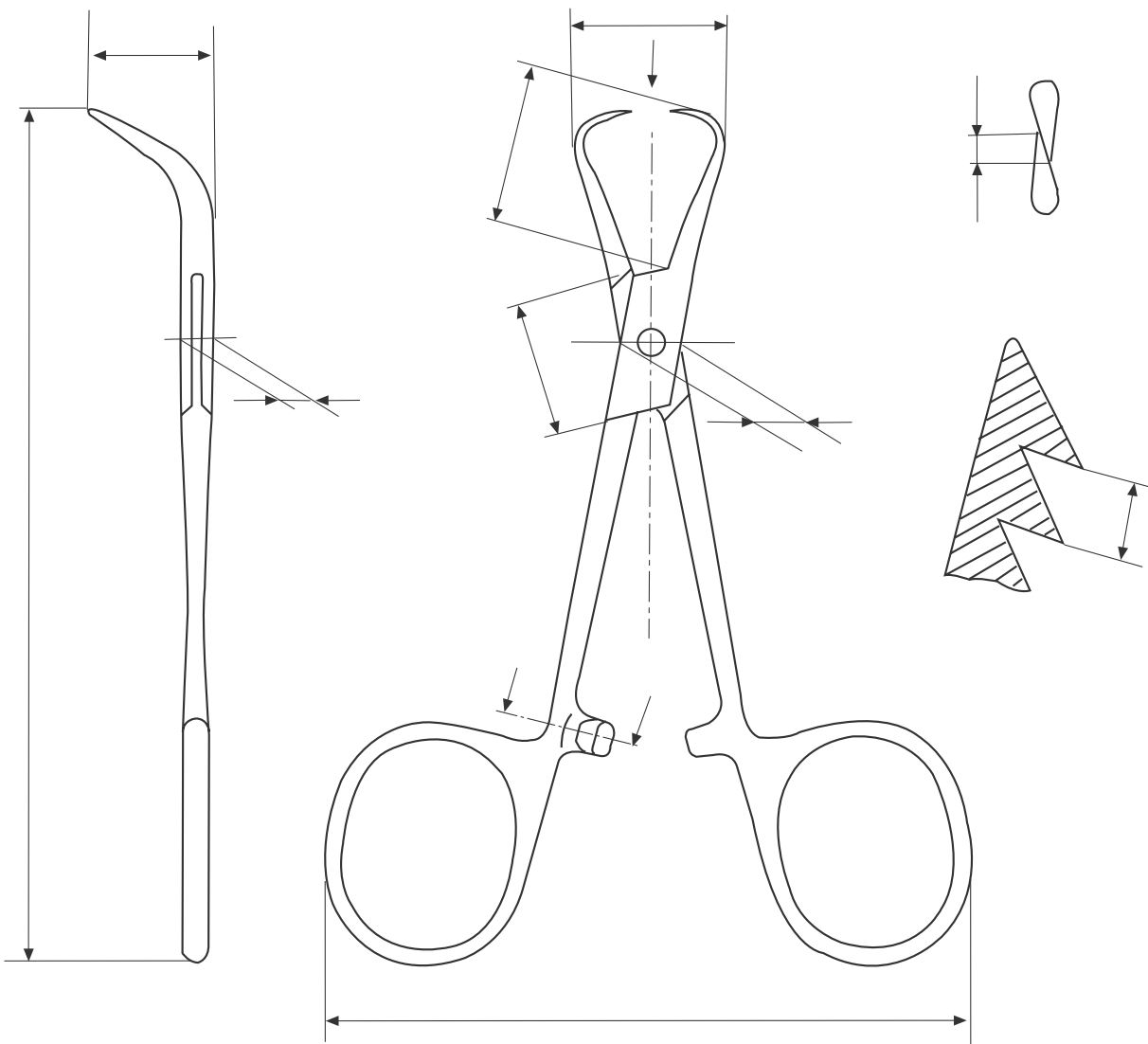


# 14

## Towel Clamps

### Tuchklemmen

### Pinzas de Campo





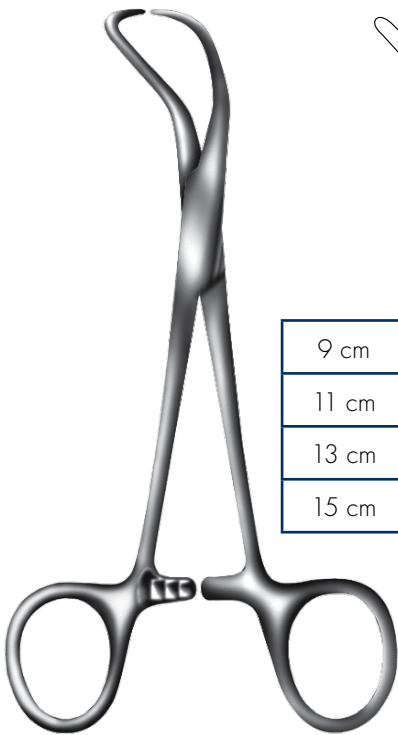
**SCHAEDEL**  
14.101.09  
9 cm



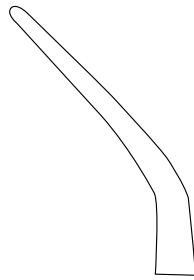
**JONES**  
14.103.09  
9 cm



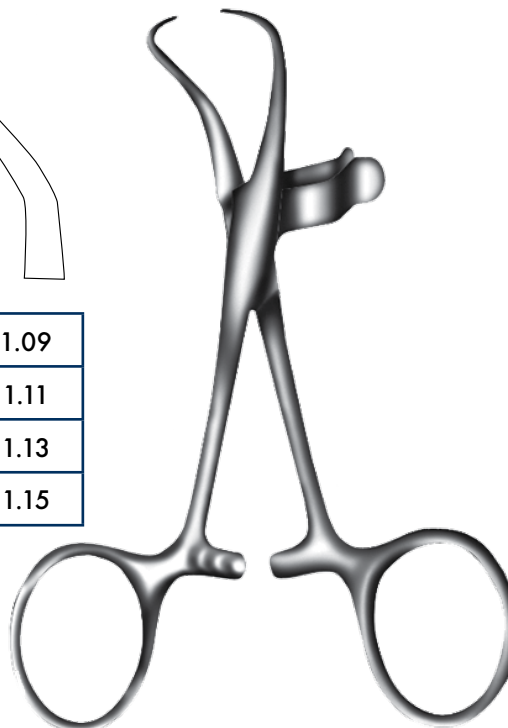
**JONES clip**  
14.105.09  
9 cm



**BACKHAUS**  
14.111.09 - 14.111.15



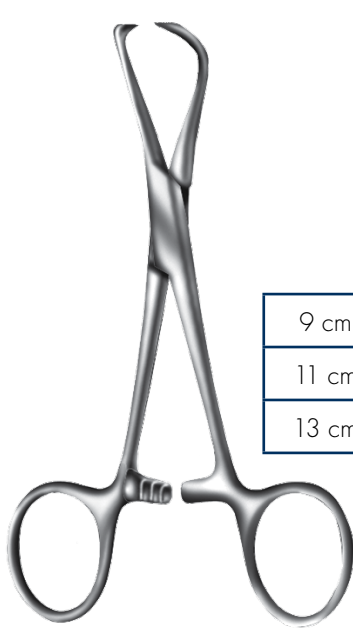
9 cm	14.111.09
11 cm	14.111.11
13 cm	14.111.13
15 cm	14.111.15



**BACKHAUS clip**  
14.115.11  
11 cm

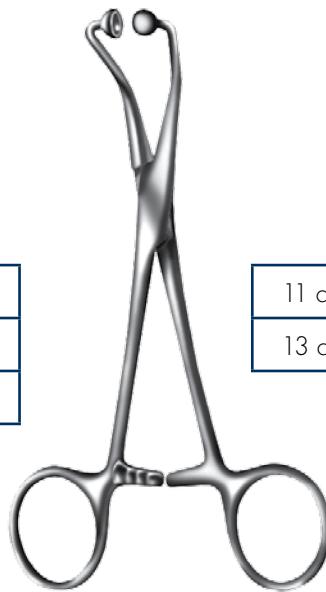


**ROEDER**  
14.117.13  
13 cm



9 cm	14.121.09
11 cm	14.121.11
13 cm	14.121.13

**LORNA**  
14.121.09 - 14.121.13



11 cm	14.123.11
13 cm	14.123.13

**BALL AND SOCKET**  
14.123.11 - 14.123.13



**BERNHARD**  
14.140.16  
16.5 cm

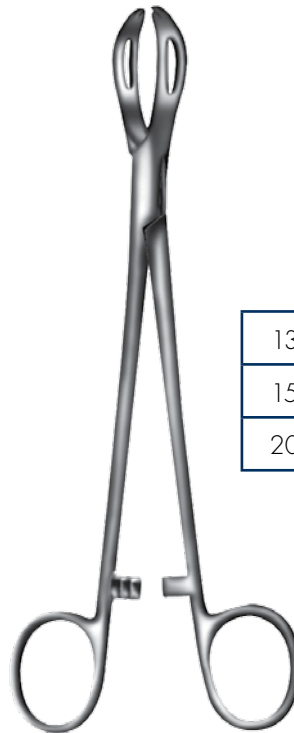


**MOYNIHAN**  
14.150.19  
19 cm



14 cm	14.161.14
18 cm	14.161.18

**DOYEN**  
14.161.14 - 14.161.18



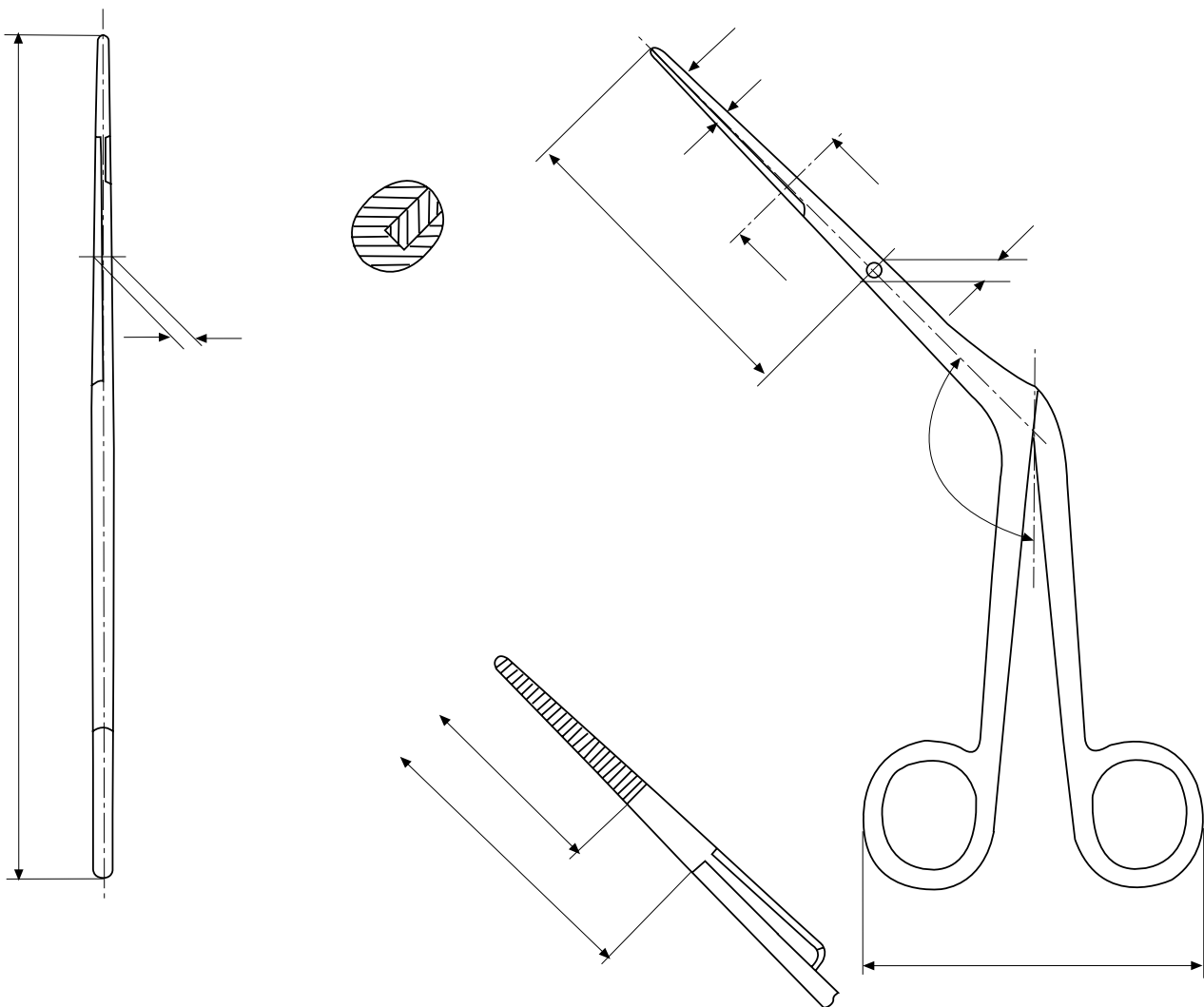
13 cm	14.164.13
15 cm	14.164.15
20 cm	14.164.20

**LANE**  
14.164.13 - 14.164.20

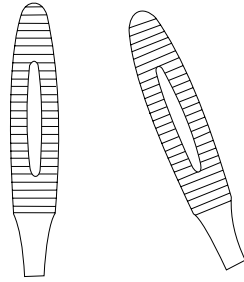
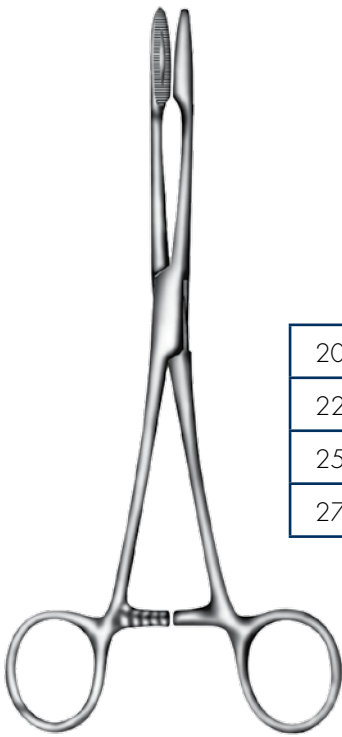


# 16

## Polypus and Dressing Forceps Tupfer- und Kornzangen Pinzas para Pólipos y Esponjas

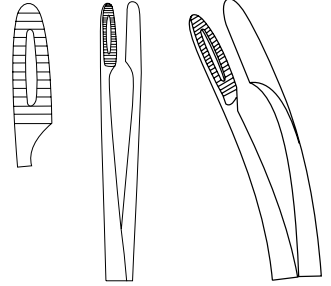
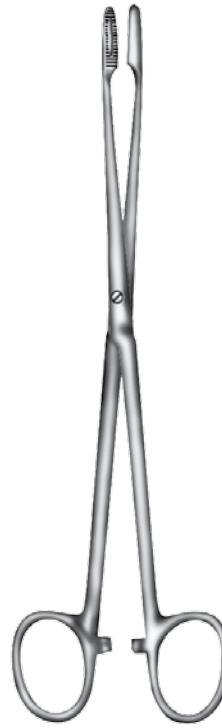






20 cm	16.110.20	16.111.20
22 cm	16.110.22	16.111.22
25 cm	16.110.25	16.111.25
27 cm	16.110.27	16.111.27

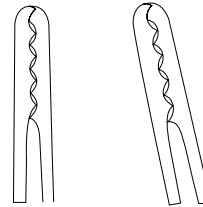
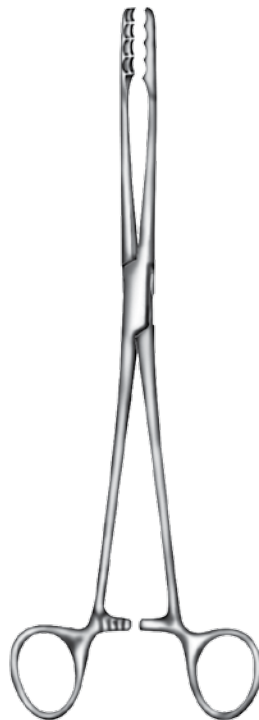
**GROSS MAIER**  
16.110.20 - 16.111.27



16.114.18

16.115.18

**GROSS**  
16.114.18 - 16.115.18  
18 cm



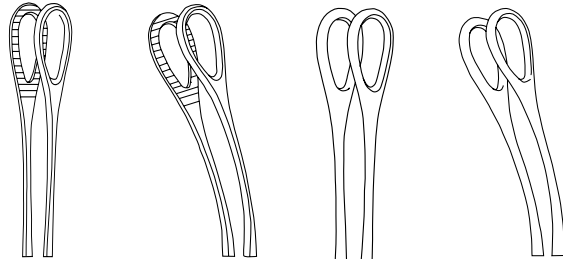
22 cm	16.160.22	16.161.22
25 cm	16.160.25	16.161.25

**ULRICH**  
16.160.22 - 16.161.25

**Polypus and Dressing Forceps**

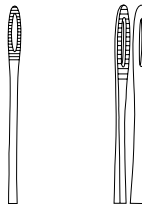
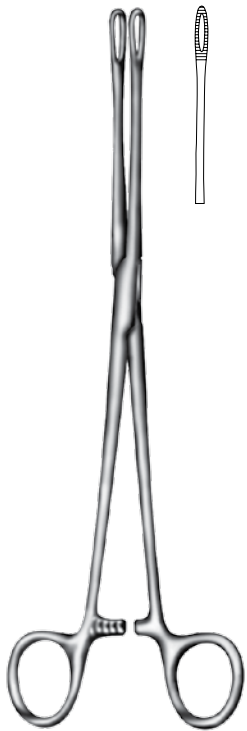
Tupfer- und Kornzangen

Pinzas para Pólipos y Esponjas

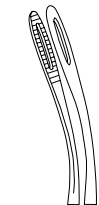


18 cm	16.170.18	16.171.18	16.172.18	16.173.18
20 cm	16.170.20	16.171.20		
25 cm	16.170.25	16.171.25	16.172.25	16.173.25

**FOERSTER**  
16.170.18 - 16.173.25



16.174.25

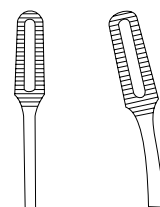


16.175.25

**FOERSTER**  
16.174.25 - 16.175.25  
25 cm

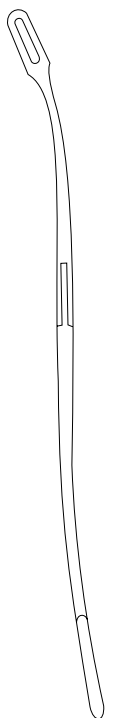


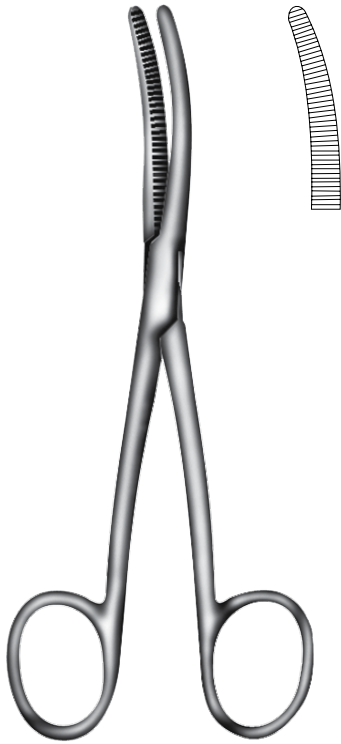
**RAMPLEY**  
16.180.25  
25 cm



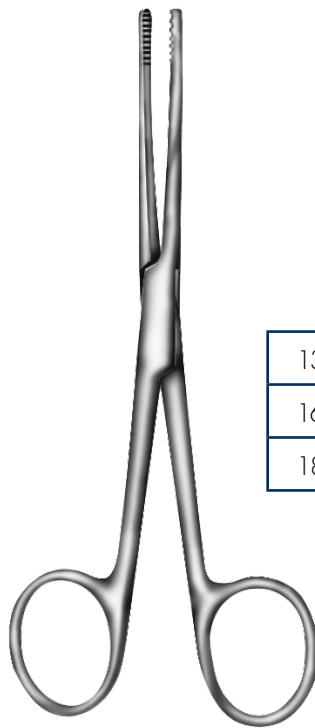
16.182.25 16.183.25

**FLETCHER (Javerts)**  
16.182.25 - 16.183.25  
25 cm





**BRYANT**  
16.207.13  
13 cm



**LISTER**  
16.210.13 - 16.210.18

13 cm	16.210.13
16 cm	16.210.16
18 cm	16.210.18



**COLLIN**  
16.220.25  
25 cm



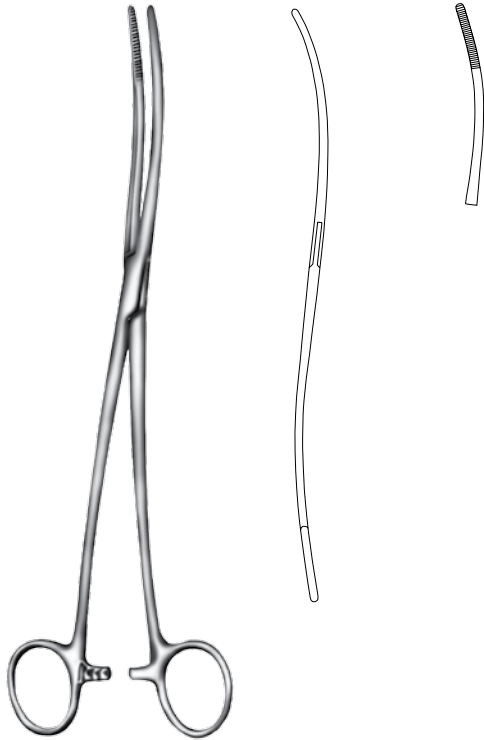
**PELKMANN**  
16.226.25  
25 cm



**PELKMANN**  
16.227.25  
25 cm



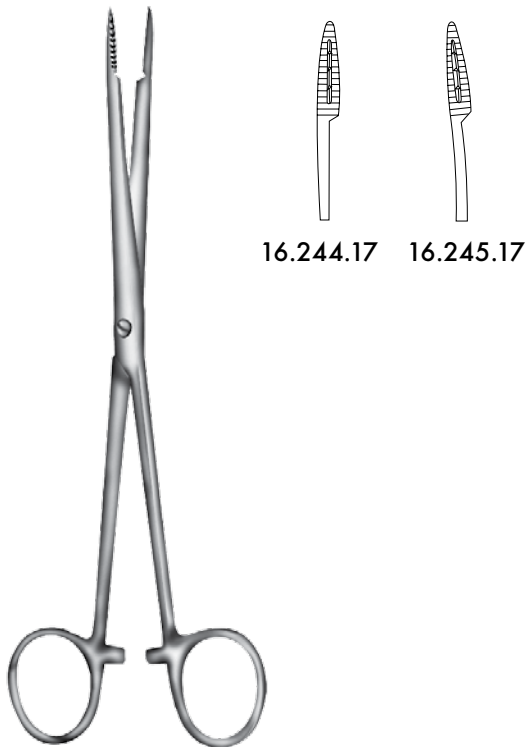
**CHERON**  
16.229.25  
25 cm



**BOZEMANN**  
 16.230.26      16.231.26  
 straight      S-shape  
 26 cm      26 cm



**BOZEMANN**  
 16.233.26  
 26 cm



**MARTIN**  
 16.244.17 - 16.245.17  
 17 cm

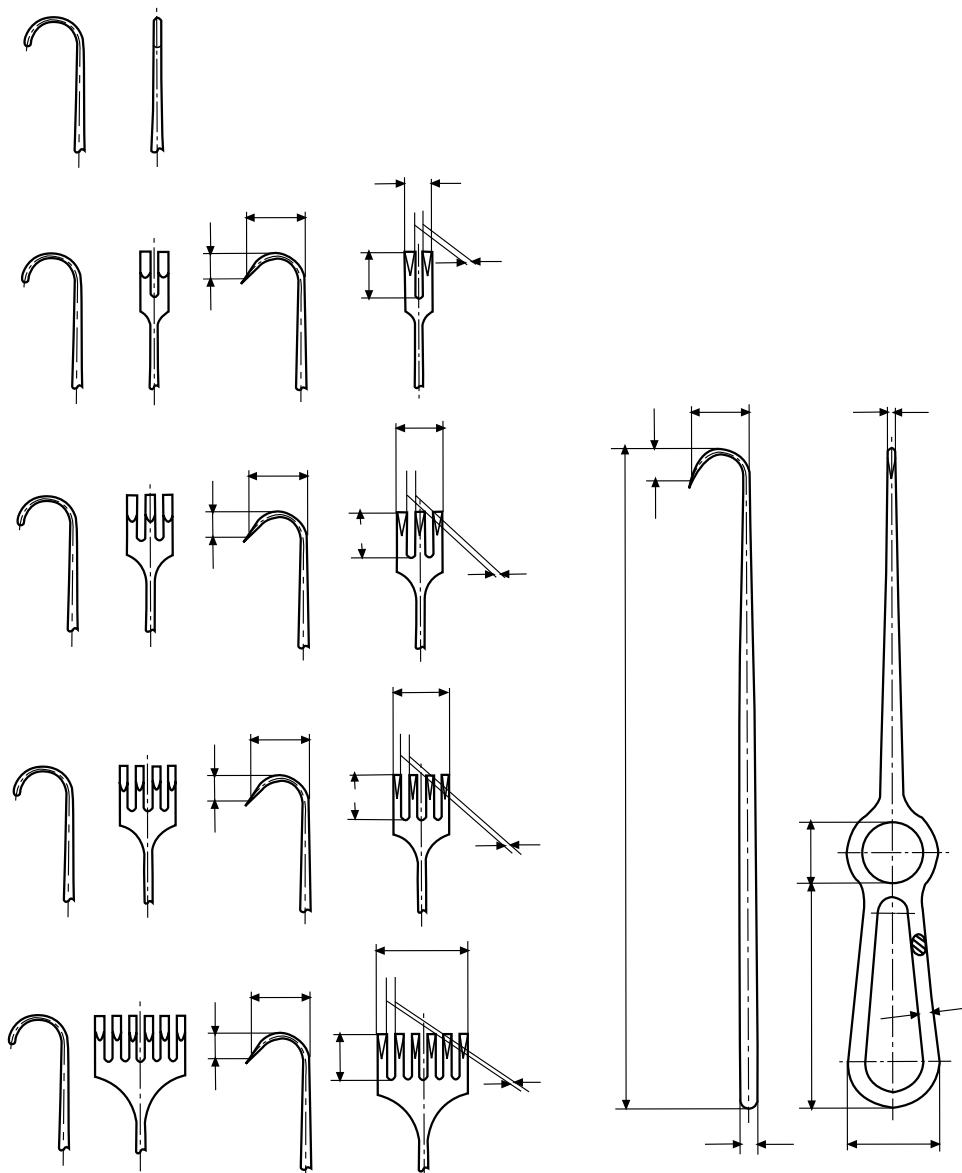


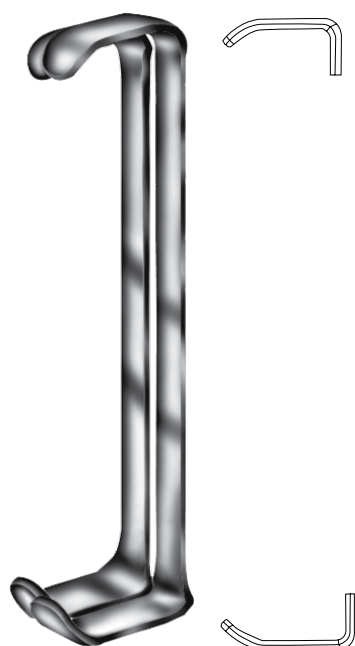
**DUPLAY**  
 16.247.20  
 20 cm



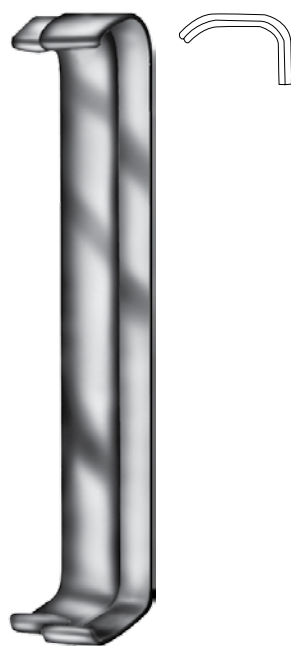
# 18

## Retractors Wundhaken Separadores

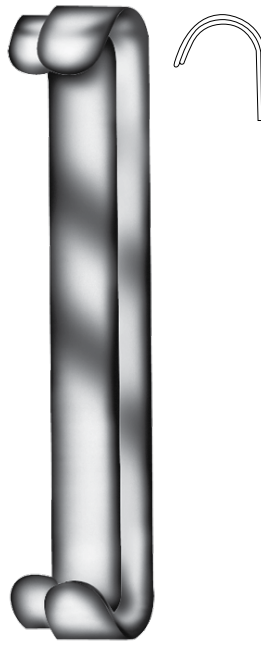




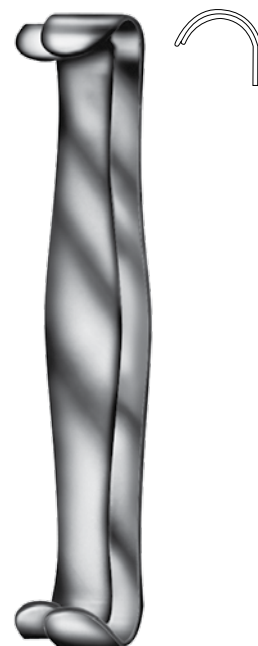
**FARABEUF**  
18.102.12  
12 cm



**FARABEUF**  
18.102.15  
15 cm



**PARKER**  
18.110.13  
13.5 cm



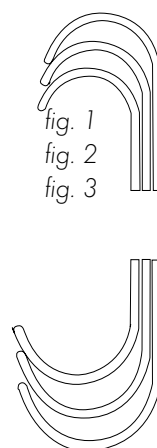
**PARKER**  
18.110.18  
18 cm



**MAYO COLLIN**  
18.112.15



**ROUX**  
18.120.00  
set complete



<i>fig. 1</i>	<b>18.120.14</b>	14 cm	24 x 20 mm	30 x 28 mm
<i>fig. 2</i>	<b>18.120.15</b>	15 cm	29 x 26 mm	36 x 36 mm
<i>fig. 3</i>	<b>18.120.17</b>	17 cm	35 x 29 mm	38 x 43 mm



**ROUX**  
**18.121.01**  
25 x 28 / 20 x 22 mm



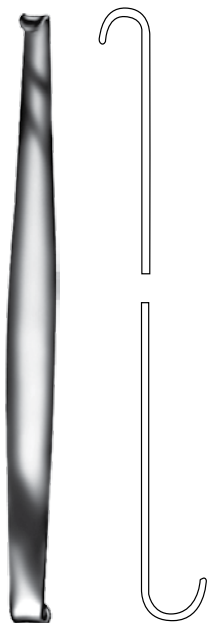
**ROUX**  
**18.121.02**  
29 x 38 / 23 x 26 mm



**ROUX**  
**18.121.03**  
34 x 44 / 29 x 29 mm



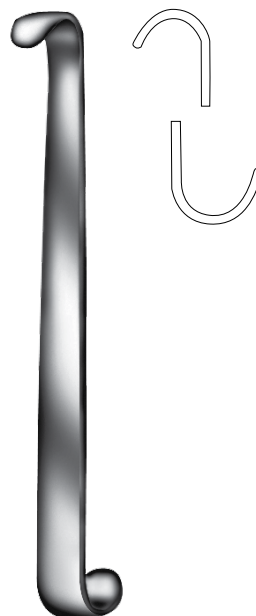
**ROUX baby**  
**18.122.13**  
13 cm



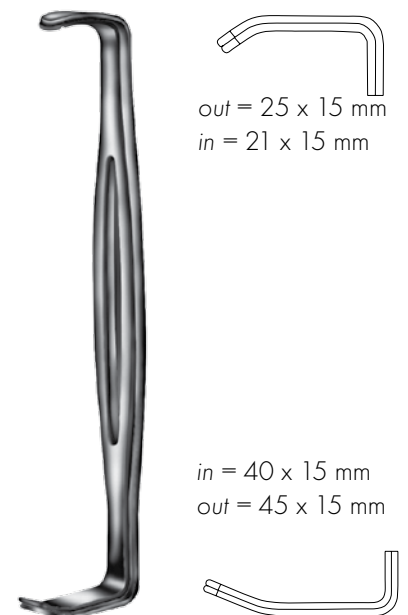
**ROUX mini**  
**18.124.15**  
15 cm



**CRILE**  
**18.127.11**  
11.5 cm



**LUER**  
**18.128.11**  
11.5 cm

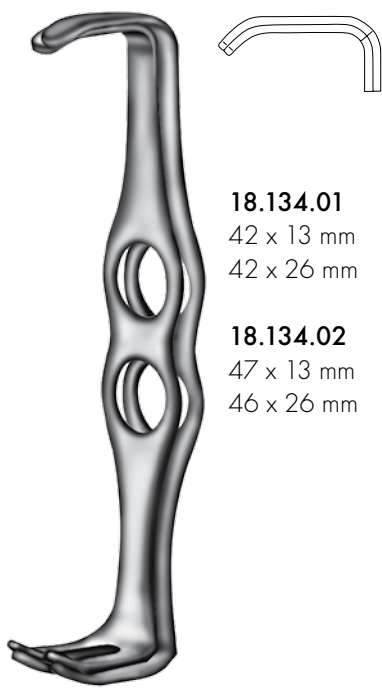


**PARKER LANGENBECK**  
**(U.S.Army)**  
**18.131.21**  
21 cm

out = 25 x 15 mm  
in = 21 x 15 mm

in = 40 x 15 mm  
out = 45 x 15 mm

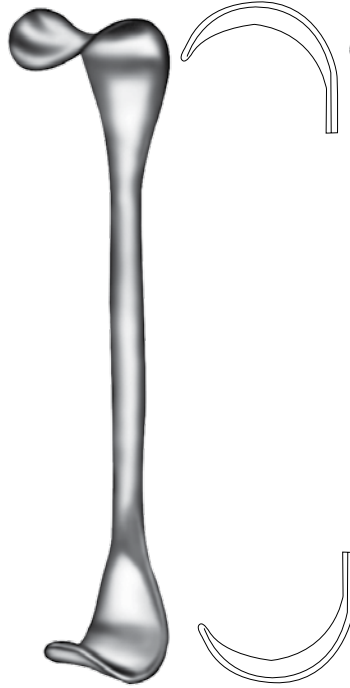




**18.134.01**  
42 x 13 mm  
42 x 26 mm

**18.134.02**  
47 x 13 mm  
46 x 26 mm

**MATHIEU**  
**18.134.20**  
set  
20 cm



**GOELET**  
**18.135.19**  
19 cm



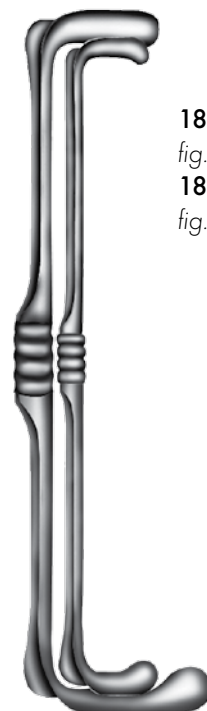
**CZERNY**  
**18.136.20**  
32 x 22 mm



**COLLIN HARTMANN**  
**18.137.16**  
16 cm

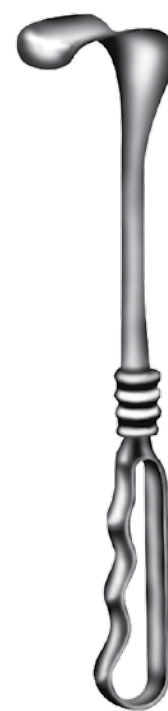


**COOLEY**  
**18.138.38** **18.138.45**  
14 x 17 mm 14 x 21 mm  
14 x 38 mm 14 x 45 mm



**RICHARDSON EASTMAN**  
**18.140.00**  
set

**18.140.01**  
*fig. 1*  
**18.140.02**  
*fig. 2*



**RICHARDSON**  
**18.150.01 - 18.150.04**  
24 cm

**18.150.01**  
28 x 20 mm

**18.150.02**  
26 x 28 mm

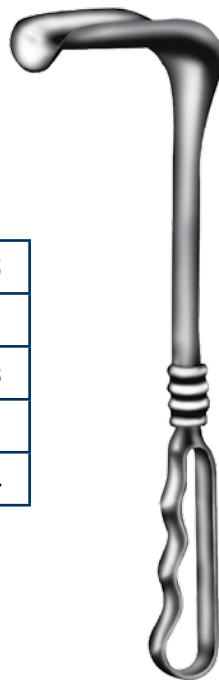
**18.150.03**  
44 x 38 mm

**18.150.04**  
52 x 22 mm

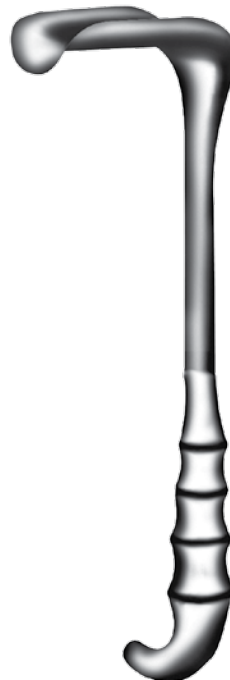


20 x 25 mm	<b>18.152.25</b>
25 x 31 mm	<b>18.152.31</b>
38 x 38 mm	<b>18.152.38</b>
19 x 51 mm	<b>18.152.51</b>
41 x 64 mm	<b>18.152.64</b>

**RICHARDSON grip**  
18.152.25 - 18.152.64



**KELLY**  
18.156.26  
26 cm



38 x 51 mm	<b>18.158.51</b>
51 x 64 mm	<b>18.158.64</b>
64 x 76 mm	<b>18.158.76</b>
70 x 82 mm	<b>18.158.82</b>

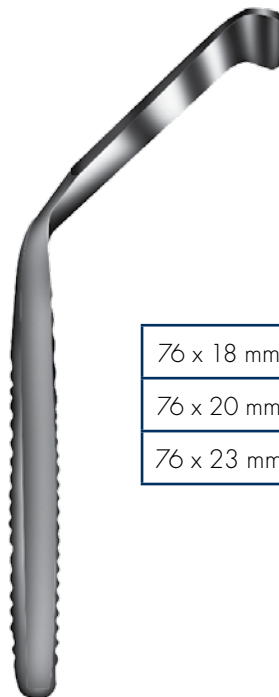
**KELLY grip**  
18.158.51 - 18.158.82



**18.160.17**  
sharp

**18.161.17**  
blunt

**SENN**  
18.160.17 - 18.161.17  
17 cm



76 x 18 mm	<b>18.165.18</b>
76 x 20 mm	<b>18.165.20</b>
76 x 23 mm	<b>18.165.23</b>

**CLOWARD**  
18.165.18 - 18.165.23



**MIKULICZ**  
18.167.25  
25 cm 29 mm



6 x 200 mm	<b>18.168.06</b>
9 x 200 mm	<b>18.168.09</b>
12 x 200 mm	<b>18.168.12</b>
17 x 200 mm	<b>18.168.17</b>
20 x 200 mm	<b>18.168.20</b>
25 x 200 mm	<b>18.168.25</b>

**RIBBON**  
**18.168.12 - 18.168.25**  
malleable



19 x 330 mm	<b>18.170.19</b>
25 x 330 mm	<b>18.170.25</b>
32 x 330 mm	<b>18.170.32</b>
40 x 330 mm	<b>18.170.40</b>
50 x 330 mm	<b>18.170.50</b>

**RIBBON**  
**18.170.25 - 18.170.50**  
malleable

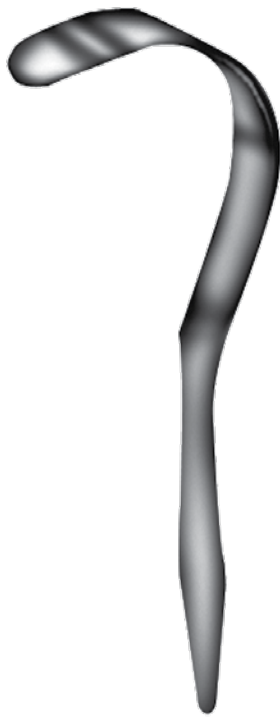


17 cm / 25 x 200 mm	<b>18.174.17</b>
25 cm / 30 x 280 mm	<b>18.174.25</b>
37 cm / 45 x 300 mm	<b>18.174.37</b>

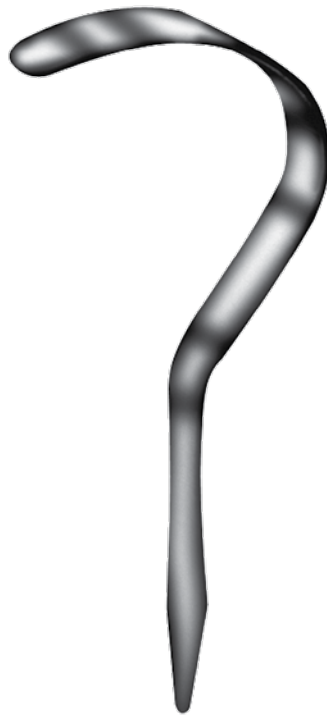
**HABERER**  
**18.174.17 - 18.174.37**  
malleable



**REVERDIN**  
**18.175.28**  
28 cm



**DEAVER**  
**18.180.19**  
19 x 180 mm



**DEAVER**  
**18.181.22**  
22 x 215 mm



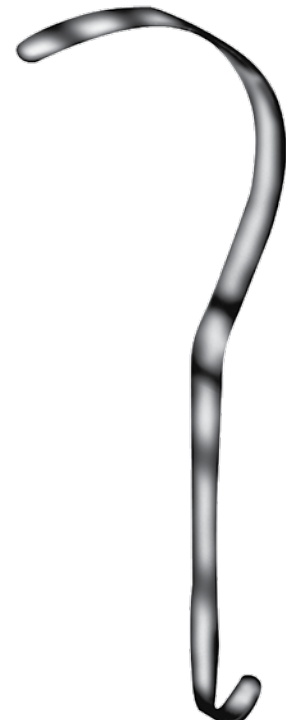
**DEAVER**  
**18.181.25**  
25 x 230 mm



**DEAVER**  
**18.183.25**  
25 x 300 mm



**DEAVER**  
**18.185.25**  
25 x 330 mm



**DEAVER**  
**18.187.25**  
25 x 360 mm



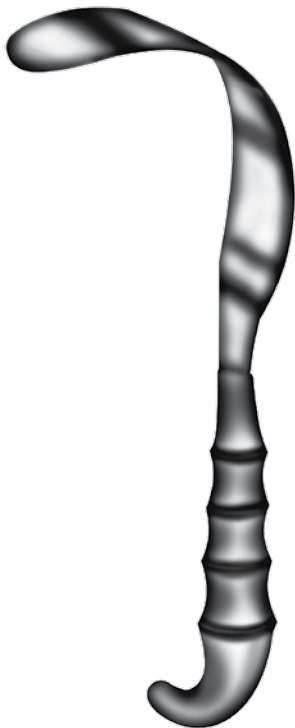
**DEAVER**  
**18.187.38**  
38 x 300 mm



**DEAVER**  
**18.187.50**  
50 x 300 mm

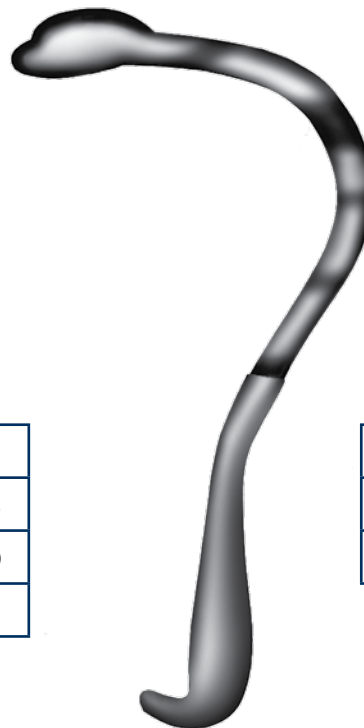


**DEAVER**  
**18.187.75**  
75 x 300 mm



**DEAVER Grip**  
18.189.25 - 18.189.75

25 x 310 mm	<b>18.189.25</b>
38 x 310 mm	<b>18.189.38</b>
50 x 310 mm	<b>18.189.50</b>
75 x 310 mm	<b>18.189.75</b>



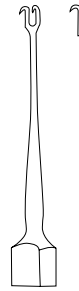
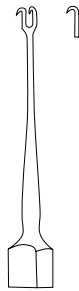
**HARRINGTON**  
18.191.25 - 18.191.62

25 x 320 mm	<b>18.191.25</b>
40 x 320 mm	<b>18.191.40</b>
62 x 320 mm	<b>18.191.62</b>



12 cm	18.210.12	18.211.12
16 cm	18.210.16	18.211.16

**GRAEFE (iris)**  
18.210.12 - 18.211.16



18.212.01 18.212.02

**GUTHRIE**  
18.212.01 - 18.212.02  
13 cm



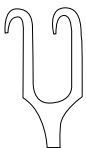
**FRAZIER**  
18.214.13 - 18.214.18  
*sharp*  
13 cm / 18 cm



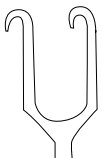
18.216.01



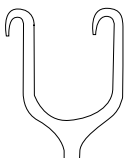
18.216.02  
2 mm



18.216.05  
5 mm



18.216.07  
7 mm



18.216.10  
10 mm

**JOSEPH**  
18.216.01 - 18.216.10  
16 cm



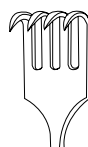
18.220.01



18.220.02



18.220.03



18.220.04

**DEWIMED**  
18.220.01 - 18.220.04  
*sharp*  
17 cm



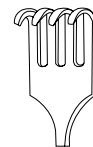
18.221.01



18.221.02



18.221.03

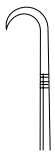


18.221.04

**DEWIMED**  
18.221.01 - 18.221.04  
*blunt*  
16 cm



**18.224.04**  
*sharp*

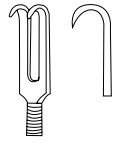


**18.225.04**  
*blunt*

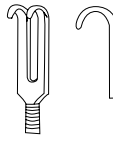
**DEWIMED**  
18.224.04 - 18.225.04  
16.5 cm



**18.226.02**



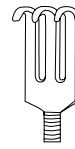
**18.227.02**



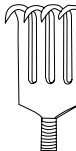
**18.226.03**



**18.227.03**



**18.226.04**



**18.227.04**



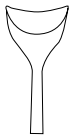
**DEWIMED**  
18.226.02 - 18.227.04  
16 cm



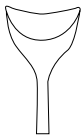
**PAUL**  
18.228.03  
11 x 8 mm



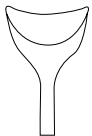
**18.228.12**  
12 mm



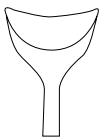
**18.228.14**  
14 mm



**18.228.16**  
16 mm



**18.228.18**  
18 mm



**DESMARRES**  
18.228.12 - 18.230.18  
13 cm



**18.230.08**  
8 mm



**18.230.10**  
10 mm



**18.230.12**  
12 mm



**18.230.14**  
14 mm



**18.230.16**  
16 mm



**18.230.18**  
18 mm



**DESMARRES**  
18.230.08 - 18.230.18  
16 cm



**18.232.08**  
8 mm



**18.232.10**  
10 mm



**18.232.12**  
12 mm



**18.232.14**  
14 mm



**18.232.16**  
16 mm



**18.232.18**  
18 mm



**CUSHING**  
18.232.08 - 18.232.18  
20 cm



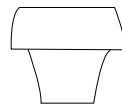
**CUSHING**  
18.234.20  
20 cm



**CUSHING**  
18.234.21  
21.5 cm



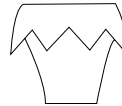
**OLDBERG**  
18.235.00 - 18.235.06  
21 cm



**18.235.00**  
19 mm



**18.235.03**  
13 mm  
3 teeth



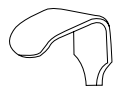
**18.235.04**  
15 mm  
4 teeth



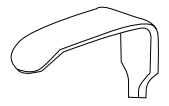
**18.235.06**  
19 mm  
6 teeth



**SENN GREEN**  
18.240.10 - 18.240.20  
15 cm



**18.240.10**  
10 x 6 mm



**18.240.20**  
20 x 6 mm



**DEWIMED**  
18.242.08 - 18.242.18  
24 cm



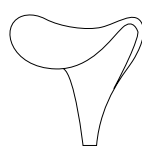
**18.242.08**  
8 mm



**18.242.14**  
14 mm



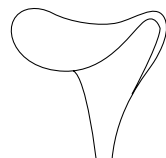
**18.242.10**  
10 mm



**18.242.16**  
16 mm



**18.242.12**  
12 mm



**18.242.18**  
18 mm



**DEWIMED**  
18.244.01 - 18.244.02  
16 cm



**18.244.01**

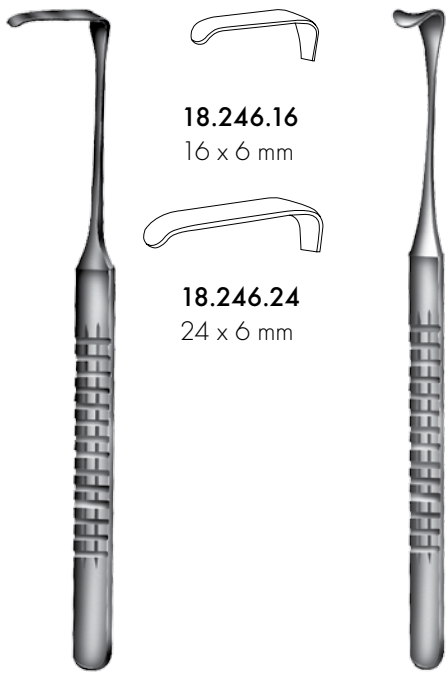


**18.244.02**



**HOOK FOR VASECTOMY**  
18.245.01  
15 cm





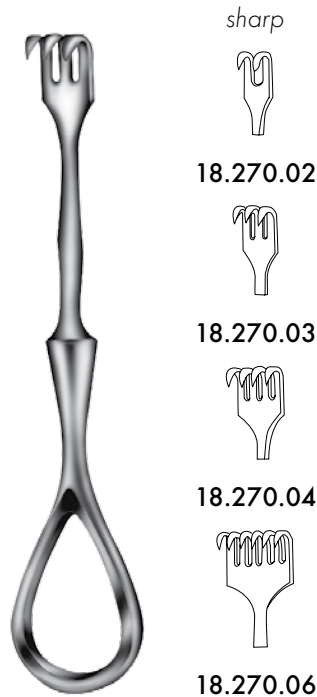
18.246.16  
16 x 6 mm

18.246.24  
24 x 6 mm

**LANGENBECK GREEN**  
18.246.16 - 18.246.24  
16 cm



**DEWIMED**  
18.248.10  
10 x 13 mm  
16 cm



sharp

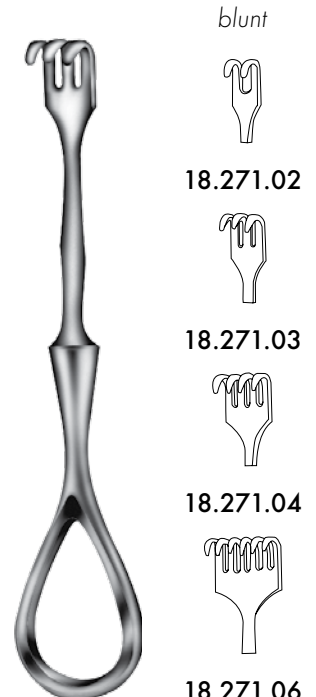
18.270.02

18.270.03

18.270.04

18.270.06

**VOLKMANN**  
18.270.02 - 18.270.06  
11.5 cm



blunt

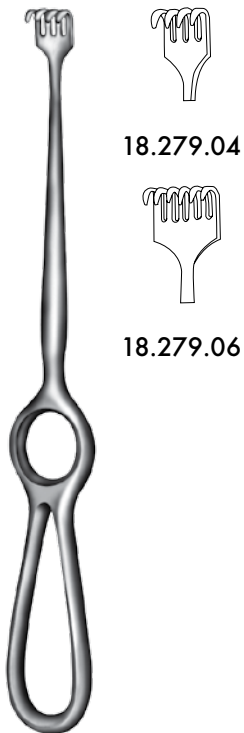
18.271.02

18.271.03

18.271.04

18.271.06

**VOLKMANN**  
18.271.02 - 18.271.06  
11.5 cm



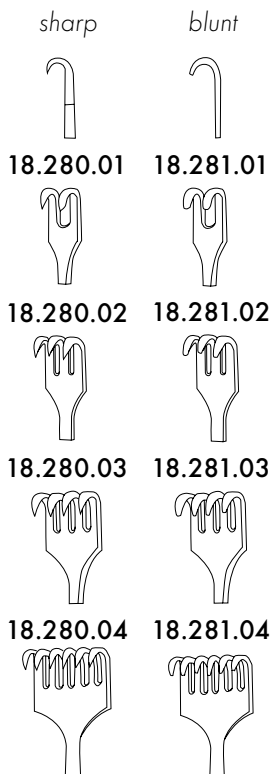
18.279.04

18.279.06

**VOLKMANN**  
18.279.04 - 18.279.06  
21.5 cm



**VOLKMANN**  
18.280.01 - 18.281.06  
21.5 cm



sharp

blunt

18.280.01

18.281.01

18.280.02

18.281.02

18.280.03

18.281.03

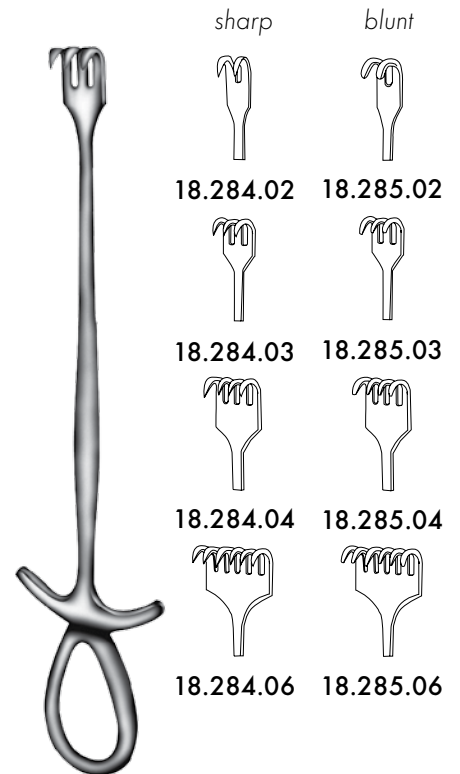
18.280.04

18.281.04

18.280.06

18.281.06

18.280.08



sharp

blunt

18.284.02

18.285.02

18.284.03

18.285.03

18.284.04

18.285.04

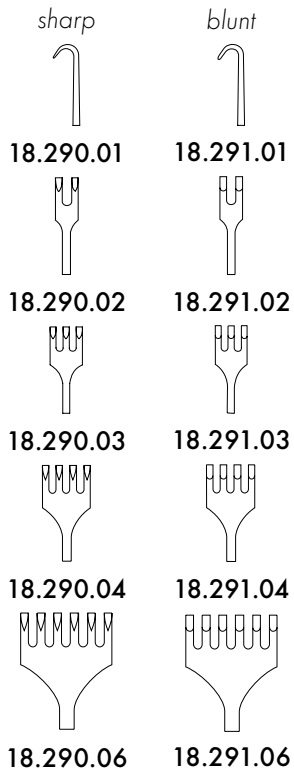
18.284.06

18.285.06

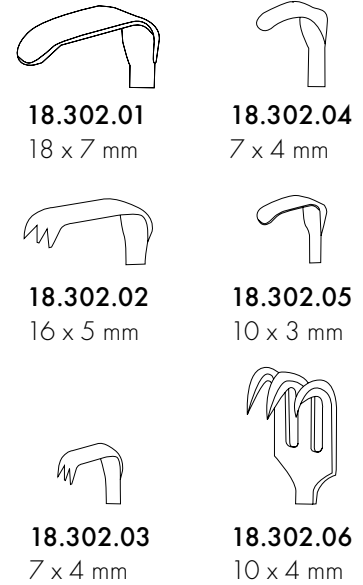
**MURPHY**  
18.284.02 - 18.285.06  
19.5 cm



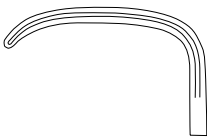
**VOLKMANN**  
18.290.01 - 18.291.06  
21.5 cm



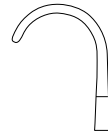
**MEYERDING**  
18.302.01 - 18.302.06  
18 cm



**LAHEY**  
18.304.19  
28 x 6 mm  
19 cm



**LITTLE**  
18.306.20  
20 cm



**LANGENBECK**  
18.310.01 - 18.310.05  
22 cm

**18.310.01**  
30 x 11 mm  
**18.310.02**  
30 x 14 mm  
**18.310.03**  
30 x 16 mm  
**18.310.04**  
40 x 11 mm  
**18.310.05**  
50 x 11 mm



**LANGENBECK**  
18.312.01 - 18.312.07  
21 cm

30 x 11 mm



**18.310.01**  
**18.312.01**

30 x 14 mm



**18.310.02**  
**18.312.02**

30 x 16 mm



**18.310.03**  
**18.312.03**

40 x 11 mm



**18.310.04**  
**18.312.04**

50 x 11 mm



**18.310.05**  
**18.312.05**

33 x 14 mm



**18.312.06**

42 x 13 mm



**18.312.07**



**LANGENBECK**  
18.314.07 - 18.314.20  
21 cm



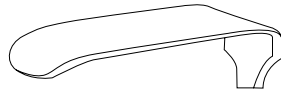
**18.314.07**  
35 x 7 mm



**18.314.10**  
35 x 10 mm



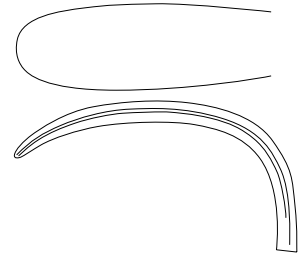
**18.314.15**  
35 x 15 mm



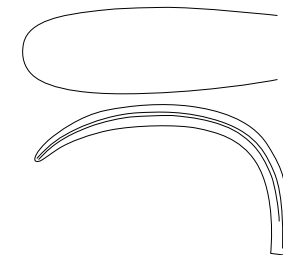
**18.314.20**  
60 x 20 mm



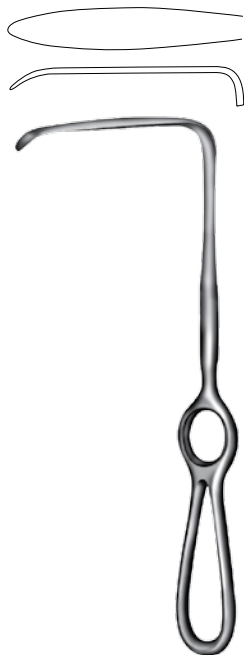
**LANGENBECK**  
18.315.21 - 18.315.22



**18.315.21**  
60 x 20 mm  
21 cm



**18.315.22**  
55 x 20 mm  
22 cm

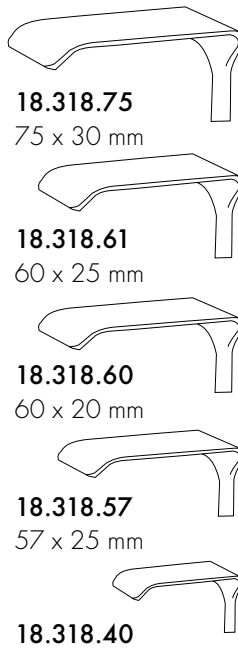


**LANGENBECK**  
18.317.21  
85 x 15 mm  
21 cm



**18.318.78**  
78 x 40 mm

**KOCHER**  
18.318.40 - 18.318.78  
23 cm



**18.318.75**  
75 x 30 mm

**18.318.61**  
60 x 25 mm

**18.318.60**  
60 x 20 mm

**18.318.57**  
57 x 25 mm

**18.318.40**  
40 x 18 mm



**18.330.40**  
40 x 12 mm

**18.330.55**  
55 x 11 mm

**KOCHER**  
18.330.40 - 18.330.55  
21 cm



**18.332.19**  
19 x 12 mm

**18.332.21**  
21 x 14 mm

**KOCHER**  
18.332.19 - 18.332.21  
19 cm



40 x 10 mm	<b>18.340.10</b>
40 x 15 mm	<b>18.340.15</b>
40 x 20 mm	<b>18.340.20</b>

**KOCHER**  
18.340.10 - 18.340.20  
22 cm



**18.344.14**  
14 x 17 mm  
21.5 cm

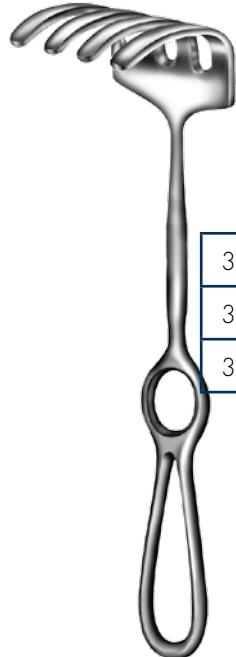
**18.344.20**  
20 x 22 mm  
22 cm

**18.344.26**  
26 x 30 mm  
23.5 cm

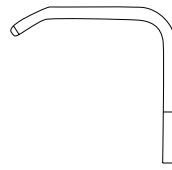
**MIDDELDORPF**  
18.344.14 - 18.344.26



**GREEN**  
18.348.22  
22 cm



**OLLIER**  
18.360.02 - 18.360.04  
22.5 cm



36 x 25 mm	<b>18.360.02</b>	2 hook
36 x 30 mm	<b>18.360.03</b>	3 hook
36 x 60 mm	<b>18.360.04</b>	4 hook



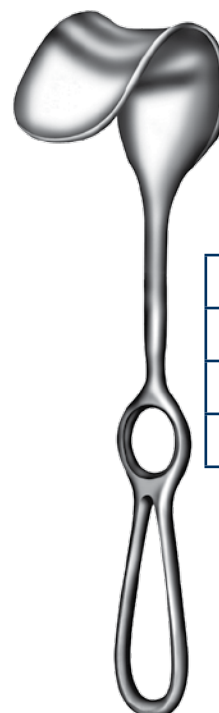
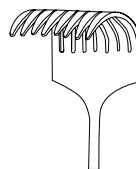
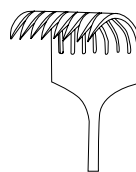
**KOERTE**  
18.361.04  
46 x 55 mm  
23 cm  
4 teeth



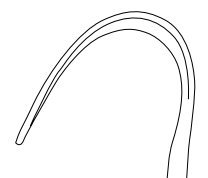
**ISRAEL**  
18.364.40 - 18.364.70  
25.5 cm



**KOERTE**  
18.366.08 - 18.367.08  
23.5 cm



**FRITSCH**  
18.370.40 - 18.370.75  
24 cm



45 x 40 mm	<b>18.370.40</b>
45 x 50 mm	<b>18.370.50</b>
45 x 60 mm	<b>18.370.60</b>
45 x 75 mm	<b>18.370.75</b>

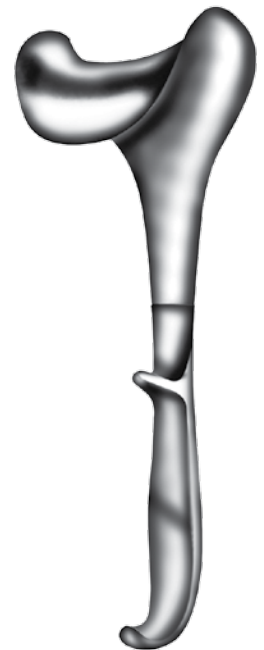


**KOCHER**  
**18.372.22**  
70 x 25 mm  
22.5 cm



**KOCHER**  
**18.374.45 - 18.374.65**  
25 cm

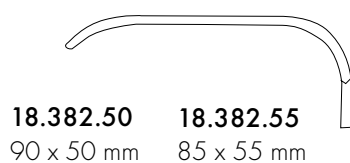
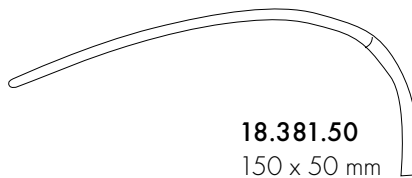
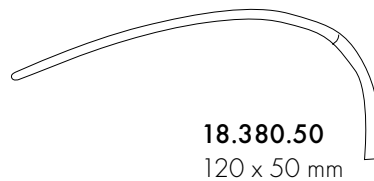
80 x 45 mm	<b>18.374.45</b>
80 x 55 mm	<b>18.374.55</b>
80 x 65 mm	<b>18.374.65</b>



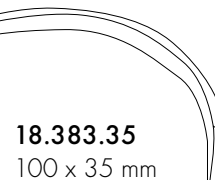
**DOYEN**  
**18.378.25**  
50 x 85 mm  
25 cm



**MIKULICZ**  
**18.380.35 - 18.382.55**  
26 cm



**KOCHER WAGNER**  
**18.383.15 - 18.383.35**  
28 cm





**KELLY**

**18.385.38    18.385.57**  
160 x 38 mm    160 x 57 mm  
27 cm            27 cm



**MORRIS**

**18.390.38 - 18.392.03**

*simple*

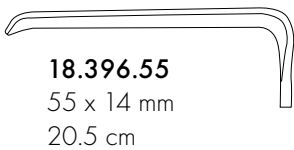
38 x 51 mm	<b>18.390.38</b>
51 x 51 mm	<b>18.390.51</b>
64 x 51 mm	<b>18.390.64</b>

*doble*

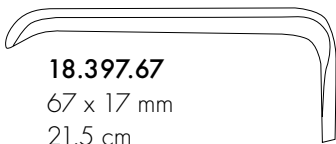
38 x 51 / 38 x 51 mm	<b>18.392.01</b>
44 x 51 / 51 x 51 mm	<b>18.392.02</b>
64 x 51 / 38 x 51 mm	<b>18.392.03</b>



**18.396.40**  
40 x 12 mm  
20.5 cm



**18.396.55**  
55 x 14 mm  
20.5 cm



**18.397.67**  
67 x 17 mm  
21.5 cm

**DOCKHORN**

**18.396.40 - 18.397.67**

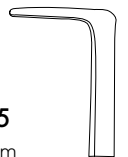


**SIMON**

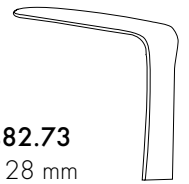
**18.480.22    18.480.27**  
115 x 22 mm    115 x 27 mm  
28 cm            28 cm



**18.482.45**  
45 x 25 mm



**18.482.73**  
73 x 28 mm



**18.482.82**  
82 x 28 mm



**HEANEY**

**18.482.45 - 18.482.82**  
27 cm

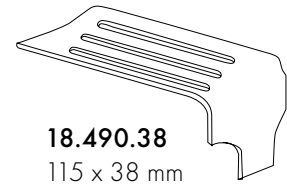


**HIBBS**  
**18.488.24**  
25 x 75 mm  
24 cm

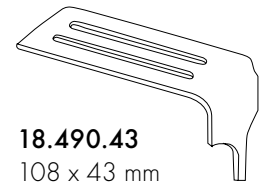


**18.490.65**  
115 x 65 mm

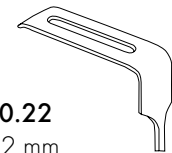
**CORYLLOS**  
**18.490.22 - 18.490.65**



**18.490.38**  
115 x 38 mm



**18.490.43**  
108 x 43 mm

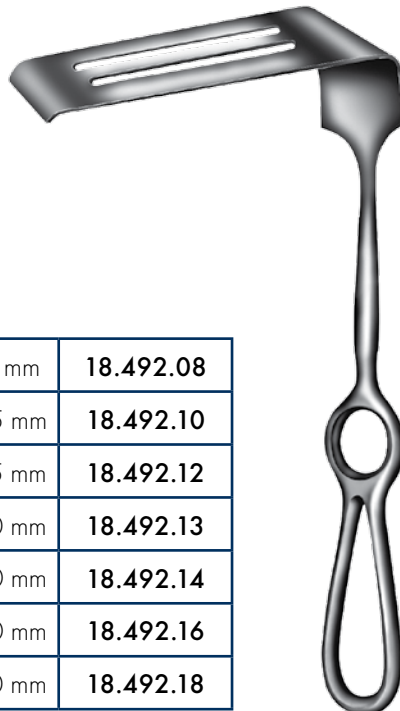


**18.490.22**  
82 x 22 mm



**BRUNNER**  
**18.492.08 - 18.492.18**  
25 cm

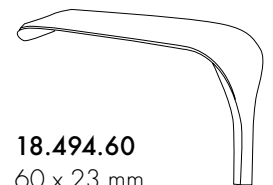
80 x 20 mm	<b>18.492.08</b>
100 x 25 mm	<b>18.492.10</b>
120 x 25 mm	<b>18.492.12</b>
130 x 30 mm	<b>18.492.13</b>
140 x 30 mm	<b>18.492.14</b>
160 x 30 mm	<b>18.492.16</b>
180 x 30 mm	<b>18.492.18</b>



**SAUERBRUCH**  
**18.492.25**  
125 x 37 mm  
25 cm



**18.494.75**  
75 x 20 mm



**18.494.60**  
60 x 23 mm



**18.494.45**  
45 x 15 mm

**SAUERBRUCH**  
**18.494.45 - 18.494.75**

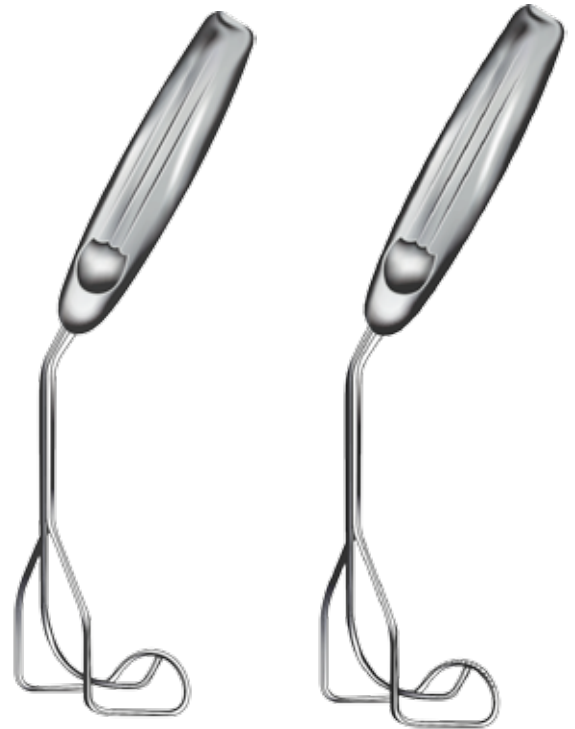




**DAVIDSON (scapula)**

**18.496.50**  
75 x 50 mm  
16 cm

**18.496.90**  
75 x 90 mm  
16 cm



**COOLEY**  
**18.497.01**  
*right*  
48 x 48 mm  
25 cm

**COOLEY**  
**18.497.02**  
*right serrated*  
48 x 48 mm  
25 cm



**COOLEY**  
**18.497.03**  
*left*  
30 x 48 mm  
27.5 cm



**MEYERDING**  
18.498.01 - 18.498.03

20 cm / 50 x 16 mm	<b>18.498.01</b>
23 cm / 75 x 25 mm	<b>18.498.02</b>
24 cm / 90 x 50 mm	<b>18.498.03</b>



**MANNERFELDT**  
18.504.13  
13.5 cm



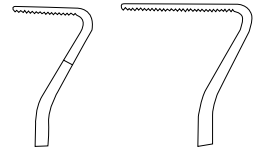
**MANNERFELDT**  
18.506.15  
15.5 cm



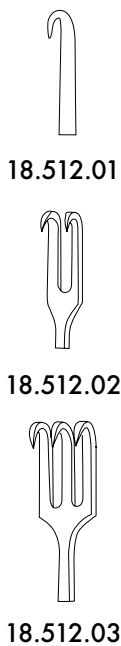
**MANNERFELDT**  
18.508.15  
15.5 cm



18.510.01 18.510.02



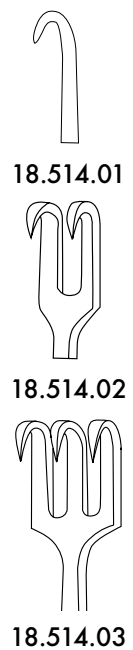
**MANNERFELDT**  
18.512.01 - 18.512.03  
15.5 cm



**MANNERFELDT**  
18.513.01 - 18.513.03  
15.5 cm



**MANNERFELDT**  
18.514.01 - 18.514.03  
15.5 cm





**MANNERFELDT**  
18.515.01 - 18.515.03  
15.5 cm



**MANNERFELDT**  
18.516.03  
15.5 cm



**LANGENBECK  
MANNERFELDT**  
18.517.15  
15.5 cm



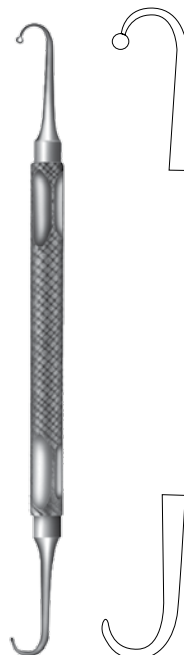
**LANGENBECK  
MANNERFELDT**  
18.518.15 - 18.518.30  
15.5 cm



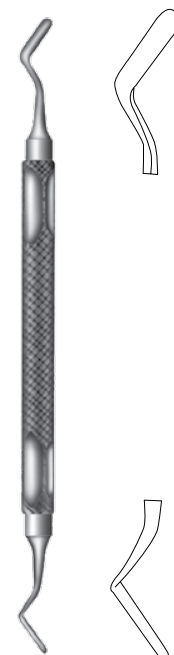
**MANNERFELDT**  
18.519.12 - 18.519.16  
15.5 cm



**MANNERFELDT**  
18.520.15  
12 x 12 mm  
15.5 cm



**MANNERFELDT**  
18.521.16  
16 cm



**MANNERFELDT**  
18.522.16  
16 cm



**DEWIMED**  
18.602.07  
75 mm

18.602.11  
115 mm



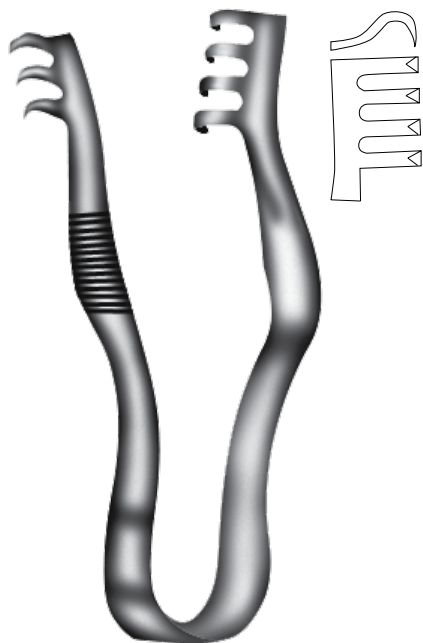
**DEWIMED**  
18.603.08  
85 mm

18.603.11  
115 mm

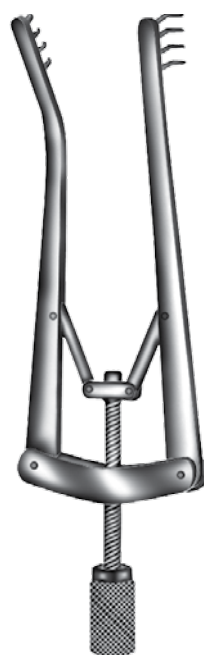


**FARR**  
18.608.38 - 18.608.75

38 mm	18.608.38
50 mm	18.608.50
57 mm	18.608.57
64 mm	18.608.64
75 mm	18.608.75



**FINSEN**  
18.610.07 - 18.611.07  
7 cm



**ALM**  
18.620.07 - 18.621.10

	<i>sharp</i>	<i>blunt</i>
7 cm	18.620.07	18.621.07
10 cm	18.620.10	18.621.10



**KUTTNER**  
18.622.24  
24 cm



**ALLPORT**  
18.624.10  
*sharp 4 X 4*  
10 cm



**JANSEN GIFFORD**  
18.628.10      18.629.10  
*sharp*            *blunt*  
13.5 cm          13.5 cm



**JANSEN**  
18.630.10      18.631.10  
*sharp*            *blunt*  
10 cm



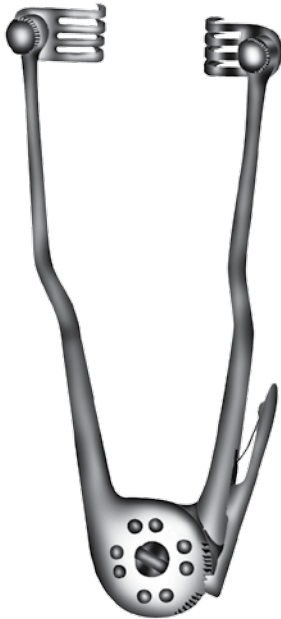
**JANSEN WAGNER**  
18.632.11  
*sharp 4 X 4*  
10 cm



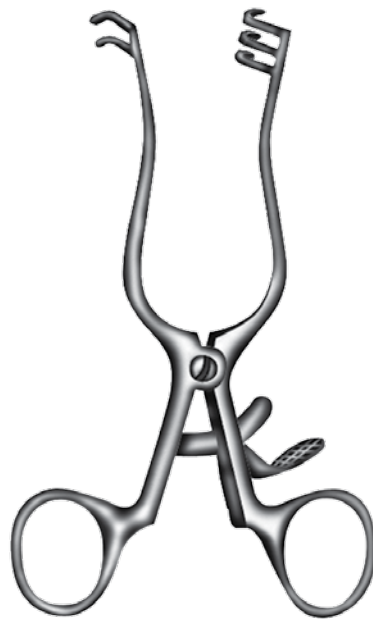
**HESS**  
18.634.10      18.635.10  
*sharp*            *blunt*  
10 cm            10 cm



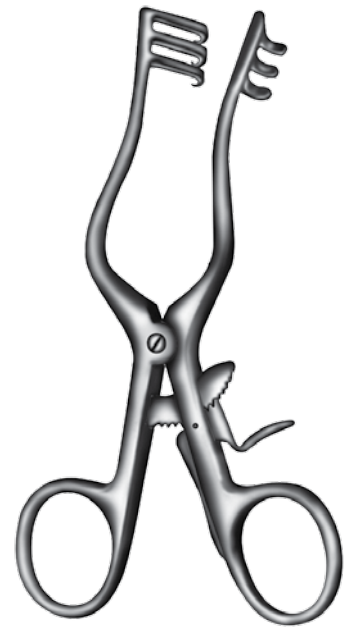
**KOCHER**  
18.640.16  
*sharp*  
16 cm



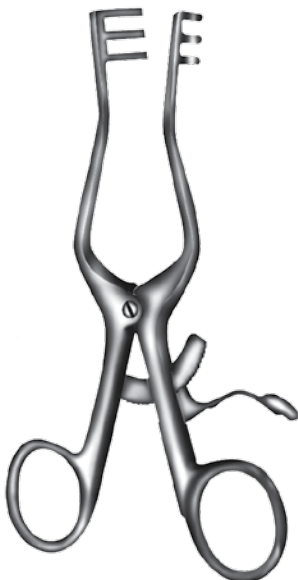
**CROTTI**  
18.642.18  
*sharp*  
18 cm



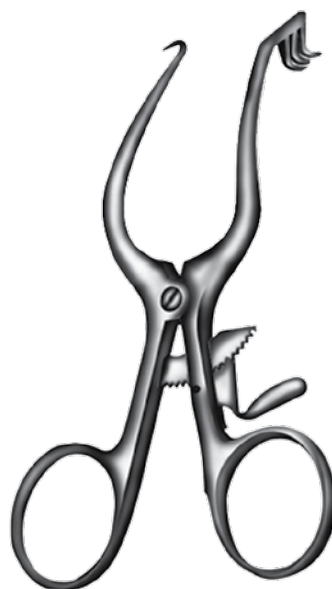
**WEITLANER**  
18.650.10      18.651.10  
*sharp*            *blunt*  
11.5 cm          11.5 cm



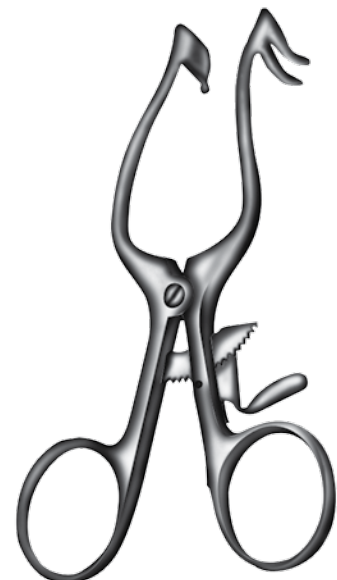
**WEITLANER WULLSTEIN**  
18.654.13      18.655.13  
*sharp*            *blunt*  
13 cm            13 cm



**MILLIGAN**  
18.656.13  
13 cm  
3 x 3 teeth



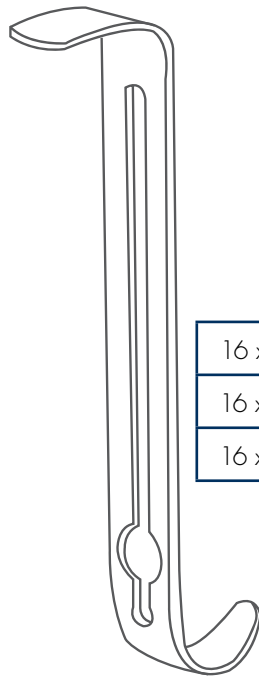
**WIEGAND**  
18.656.15      18.656.16  
3 teeth left      3 teeth right



**PLESTER**  
18.657.11      18.659.11  
11 cm            11 cm  
2 teeth right    2 teeth left



**HENLEY**  
18.660.16    18.661.16  
*blunt*      *sharp*  
16 cm      16 cm

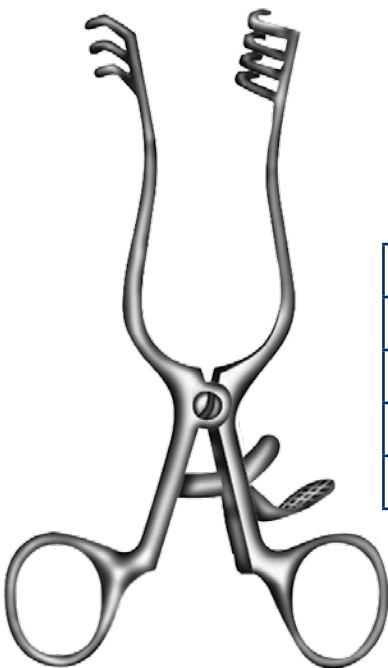


16 x 19 cm	<b>18.661.17</b>
16 x 25 cm	<b>18.661.18</b>
16 x 32 cm	<b>18.661.19</b>

**HENLEY**  
18.661.17 - 18.661.19

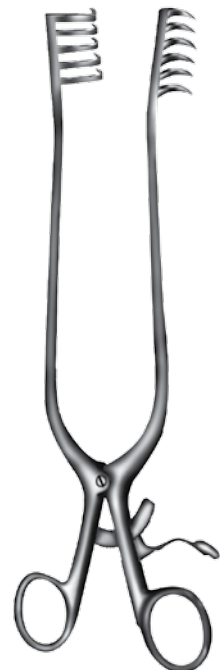


**WEITLANER**  
18.668.13    18.669.13  
*sharp*      *blunt*  
13 cm      13 cm



**WEITLANER**  
18.670.14 - 18.671.25

	<i>sharp</i>	<i>blunt</i>
14 cm	<b>18.670.14</b>	<b>18.671.14</b>
16.5 cm	<b>18.670.16</b>	<b>18.671.16</b>
20 cm	<b>18.670.20</b>	<b>18.671.20</b>
25 cm	<b>18.670.25</b>	<b>18.671.25</b>



**WEITLANER**  
18.670.26    18.671.26  
*sharp*      *blunt*  
26 cm  
5 x 6 teeth





**MAYO ADAMS**  
18.672.17  
17 cm



**HOEN**  
18.672.26    18.672.33  
complete    only  
27 cm        27 cm

45 x 35 mm	<b>18.672.29</b>	<i>blade sharp</i>
45 x 45 mm	<b>18.672.30</b>	<i>blade sharp</i>
25 x 35 mm	<b>18.672.32</b>	<i>blade blunt</i>
25 x 45 mm	<b>18.672.33</b>	<i>blade blunt</i>



**CONTOUR**  
18.673.14  
14 cm



**TUBINGEN**  
18.675.16  
16.5 cm

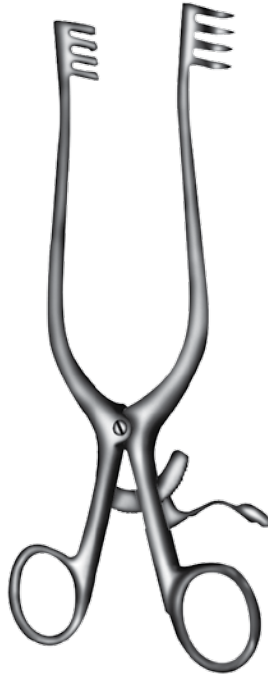


**MISKIMON**  
18.676.22  
22 cm





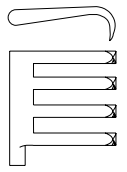
**ANDERSON ADSON**  
**18.678.20**  
4 x 4 teeth  
19 cm



**ADSON**  
**18.680.19**    **18.681.19**  
*sharp*            *blunt*  
19 cm              19 cm



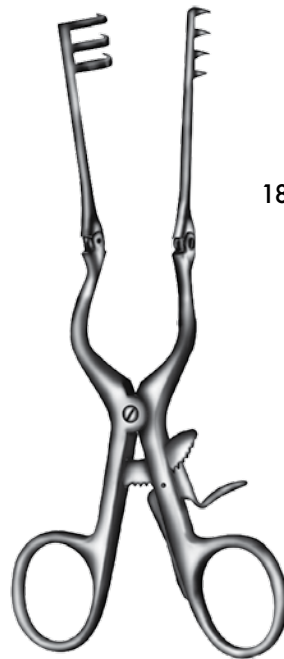
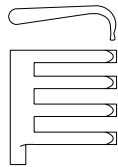
**ADSON**  
**18.682.26**  
*sharp*  
3 x 4 teeth  
26.5 cm



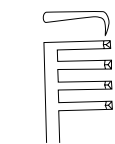
**18.682.27**  
*sharp*  
5 x 6 teeth  
26.5 cm



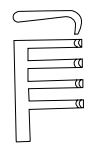
**ADSON**  
**18.683.26**    **18.683.27**  
*blunt*            *blunt*  
3 x 4 teeth      5 x 6 teeth  
26.5 cm         26.5 cm



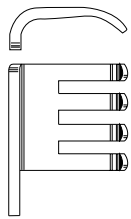
**ADSON baby**  
**18.684.16**    **18.685.16**  
*sharp*            *blunt*  
16 cm             16 cm



**18.684.16**



**18.685.16**



**ADSON**  
18.686.32  
32 cm



**DEWIMED**  
18.687.27  
2 x 6 teeth  
32 mm  
26.5 cm

**18.688.27**  
6 teeth  
13 mm right  
26.5 cm

**18.689.27**  
6 teeth  
13 mm left  
26.5 cm



**18.690.00**  
*blunt*

**18.690.02**  
*blunt*

**18.690.01**  
*sharp*

**18.690.03**  
*sharp*

**BECKMAN ADSON**  
18.690.00 - 18.690.03  
4 x 4 teeth  
31 cm



**BECKMAN**  
18.690.31  
sharp  
31 cm

**18.691.31**  
*middle sharp*  
31 cm



**BECKMAN EATON**  
18.692.32  
32 cm

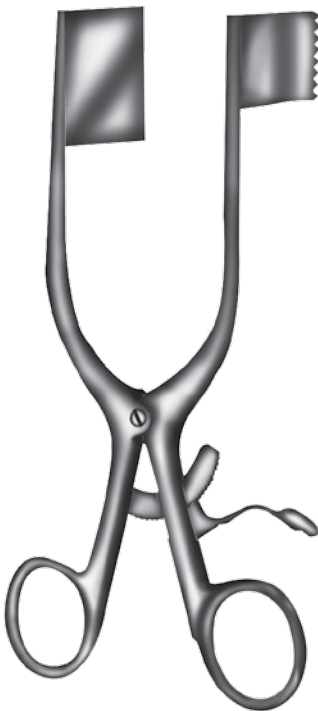


**MOLLISON**  
18.693.15  
15 cm



**CONE**  
18.694.16    18.694.20  
16 cm    20 cm

70 x 38 mm    57 x 38 mm



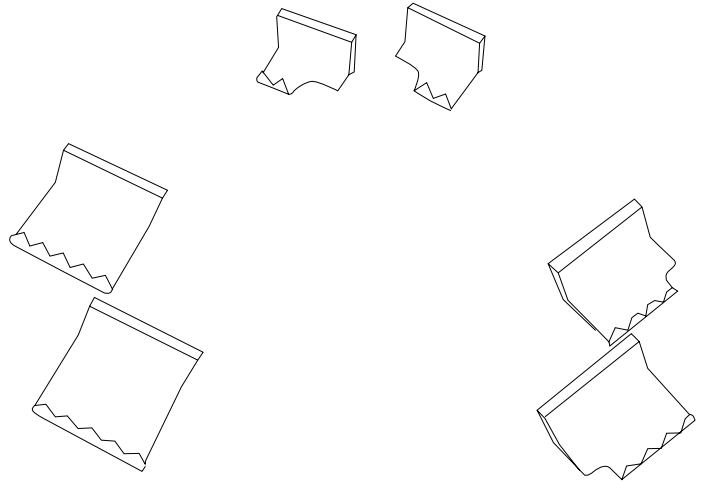
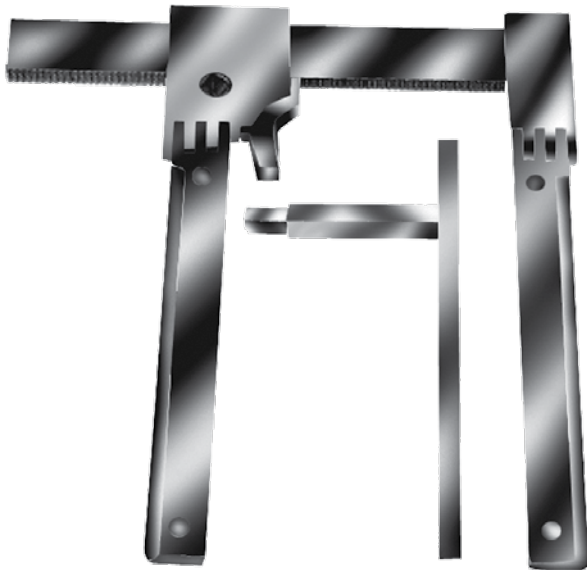
**DARLING**  
18.696.18    18.698.18  
*left*    *right*  
16.5 cm    16.5 cm



**WALTON**  
18.707.01    18.707.02  
*right*    *left*  
18 cm    18 cm



**KNIGHTON**  
18.708.01    18.708.02  
*right*    *left*  
19 cm    19 cm



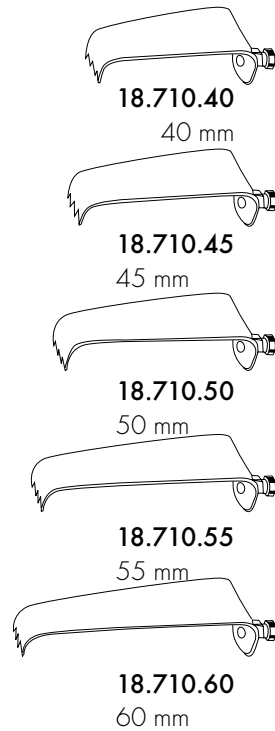
31 x 38 mm left	<b>18.709.10</b>
31 x 38 mm right	<b>18.709.11</b>
61 x 44 mm left	<b>18.709.16</b>
61 x 44 mm right	<b>18.709.17</b>

**KARLIN**

**18.709.00**  
 complete

**18.709.20**  
 blad universal  
 (left / right)  
 76 x 64 mm

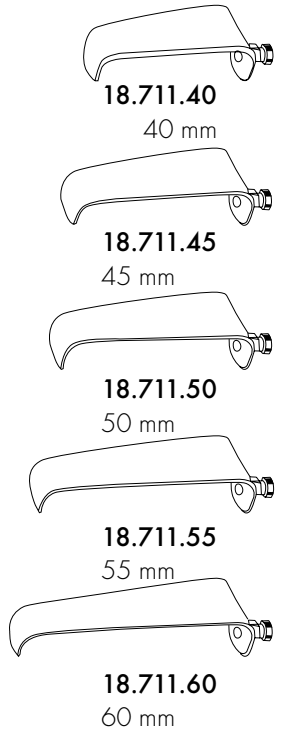
**18.709.05**  
 retractor frame



**CLOWARD**

**18.710.00**  
 complete  
 25 cm

**18.710.01**  
 without blades  
 25 cm



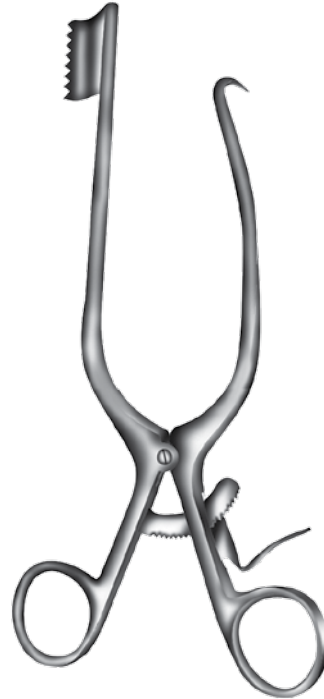
**CLOWARD**

**18.711.00**  
 complete  
 15 cm

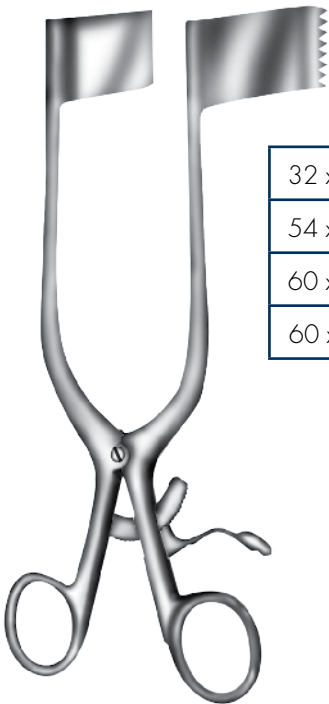
**18.711.01**  
 without blades  
 17 cm



**MARKHAM MEYERDING**  
**18.712.18**  
18 cm



**MARKHAM MEYERDING**  
**18.713.18**  
18 cm



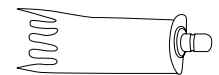
32 x 25 mm	<b>18.714.32</b>
54 x 25 mm	<b>18.714.54</b>
60 x 25 mm	<b>18.714.60</b>
60 x 19 mm	<b>18.714.61</b>

**MEYERDING**  
**18.714.32 - 18.714.61**  
18 cm



**CASPAR**

45 x 23 mm	<b>18.716.45</b>
50 x 23 mm	<b>18.716.50</b>
55 x 23 mm	<b>18.716.55</b>
60 x 23 mm	<b>18.716.60</b>
65 x 23 mm	<b>18.716.65</b>



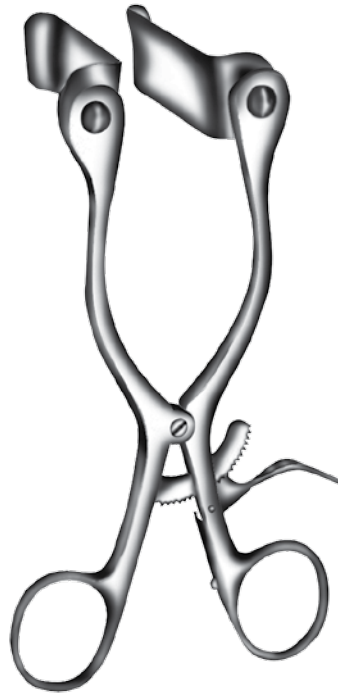
**CASPAR**

40 x 23 mm	<b>18.718.40</b>
45 x 23 mm	<b>18.718.45</b>
50 x 23 mm	<b>18.718.50</b>
55 x 23 mm	<b>18.718.55</b>
60 x 23 mm	<b>18.718.60</b>



CASPAR

40 x 23 mm	18.719.40
45 x 23 mm	18.719.45
50 x 23 mm	18.719.50
55 x 23 mm	18.719.55
60 x 23 mm	18.719.60



CASPAR

45 x 20 mm	18.720.45
50 x 20 mm	18.720.50
55 x 20 mm	18.720.55
60 x 20 mm	18.720.60
65 x 20 mm	18.720.65

CASPAR  
18.720.00  
complete

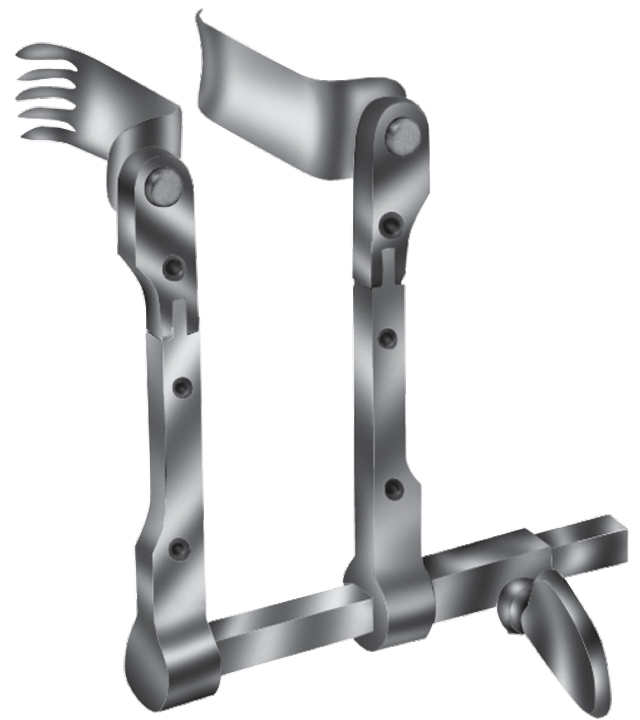
18.720.15  
without blades



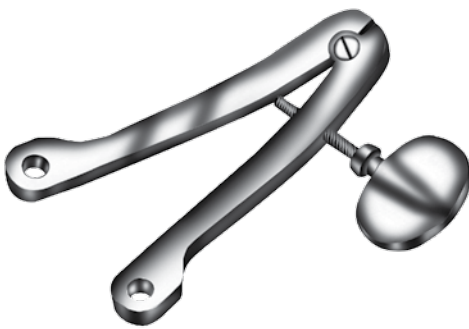
CASPAR  
18.721.00 18.721.15  
complete without blades



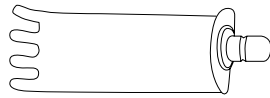
CASPAR  
18.722.11  
11.5 cm



CASPAR  
18.723.00 18.723.12  
complete only 12 cm  
opening 12 cm

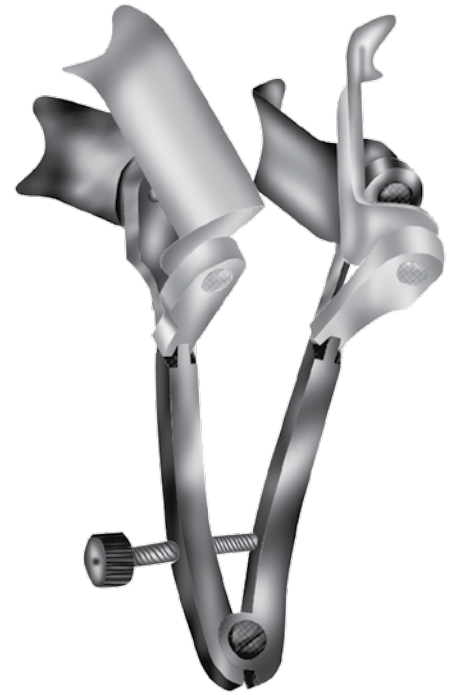


**CASPAR**  
**18.724.00**      **18.724.11**  
complete 2 x 5 blades

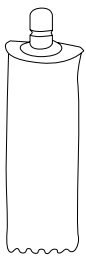


**CASPAR**

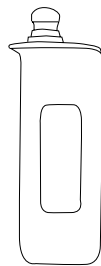
40 x 20 mm	<b>18.724.40</b>
45 x 20 mm	<b>18.724.45</b>
50 x 20 mm	<b>18.724.50</b>
55 x 20 mm	<b>18.724.55</b>
60 x 20 mm	<b>18.724.60</b>



**CASPAR**  
**18.725.00**      **18.725.11**  
complete 5 blades      only  
11.5 cm  
opening 8.5 cm



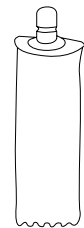
**CASPAR**



**CASPAR**



**CASPAR**



**CASPAR**

40 x 20 mm	<b>18.725.40</b>
45 x 20 mm	<b>18.725.45</b>
50 x 20 mm	<b>18.725.50</b>
55 x 20 mm	<b>18.725.55</b>
60 x 20 mm	<b>18.725.60</b>

45 x 25 mm	<b>18.726.50</b>
60 x 25 mm	<b>18.726.60</b>

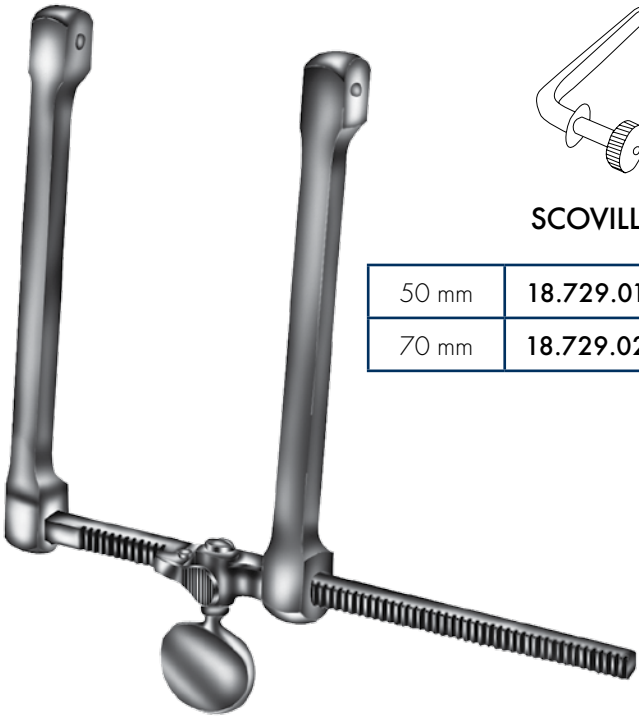
40 x 25 mm	<b>18.727.40 T</b>
45 x 25 mm	<b>18.727.45 T</b>
50 x 25 mm	<b>18.727.50 T</b>
55 x 25 mm	<b>18.727.55 T</b>
60 x 25 mm	<b>18.727.60 T</b>

40 x 25 mm	<b>18.728.40 T</b>
45 x 25 mm	<b>18.728.45 T</b>
50 x 25 mm	<b>18.728.50 T</b>
55 x 25 mm	<b>18.728.55 T</b>
60 x 25 mm	<b>18.728.60 T</b>

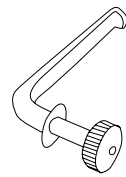




15 cm

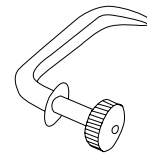


**SCOVILLE**  
**18.729.00**  
only frame  
opening 15 cm



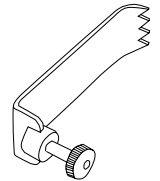
**SCOVILLE**

50 mm	<b>18.729.01</b>
70 mm	<b>18.729.02</b>



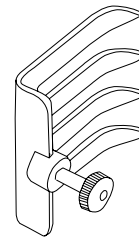
**SCOVILLE**

50 mm	<b>18.729.06</b>
70 mm	<b>18.729.07</b>



**SCOVILLE**

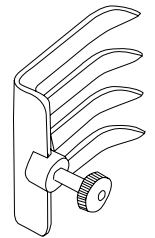
64 x 25 mm	<b>18.729.11</b>
64 x 50 mm	<b>18.729.12</b>
88 x 25 mm	<b>18.729.13</b>



**TAYLOR**

4 teeth

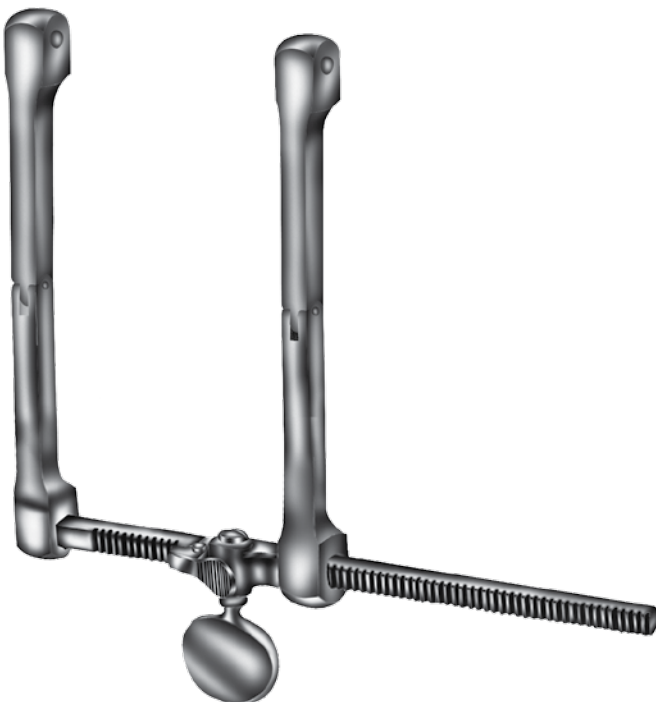
48 x 50 mm	<b>18.729.41</b>
64 x 50 mm	<b>18.729.42</b>
64 x 64 mm	<b>18.729.43</b>
80 x 57 mm	<b>18.729.44</b>



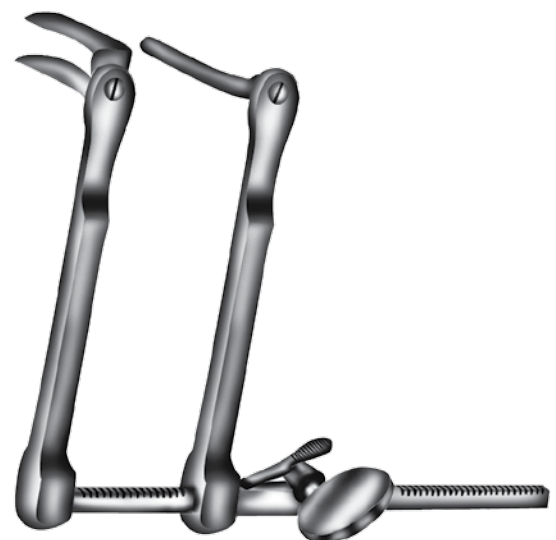
**SCOVILLE**

4 teeth

41 x 38 mm	<b>18.729.46</b>
67 x 44 mm	<b>18.729.47</b>



**SCOVILLE HAVERFIELD**  
**18.729.50**  
15 cm  
only frame

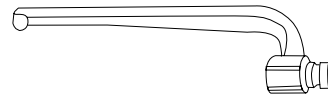


**CASPAR**  
**18.730.00**    **18.730.15**  
complete    only frame

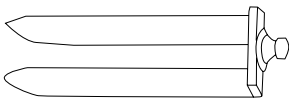




**CASPAR**  
18.731.50  
50 mm

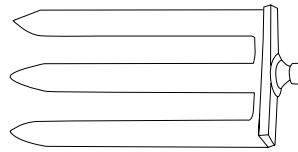


**CASPAR**  
18.731.70  
70 mm



**CASPAR**

35 x 22 mm	<b>18.732.35</b>
40 x 22 mm	<b>18.732.40</b>
45 x 22 mm	<b>18.732.45</b>
50 x 22 mm	<b>18.732.50</b>
55 x 22 mm	<b>18.732.55</b>
60 x 22 mm	<b>18.732.60</b>
65 x 22 mm	<b>18.732.65</b>
70 x 22 mm	<b>18.732.70</b>



**CASPAR**

35 x 37 mm	<b>18.733.35</b>
40 x 37 mm	<b>18.733.40</b>
45 x 37 mm	<b>18.733.45</b>
50 x 37 mm	<b>18.733.50</b>
55 x 37 mm	<b>18.733.55</b>
60 x 37 mm	<b>18.733.60</b>
65 x 37 mm	<b>18.733.65</b>
70 x 37 mm	<b>18.733.70</b>



**CASPAR**

35 x 52 mm	<b>18.734.35</b>
40 x 52 mm	<b>18.734.40</b>
45 x 52 mm	<b>18.734.45</b>
50 x 52 mm	<b>18.734.50</b>
55 x 52 mm	<b>18.734.55</b>
60 x 52 mm	<b>18.734.60</b>
65 x 52 mm	<b>18.734.65</b>
70 x 52 mm	<b>18.734.70</b>



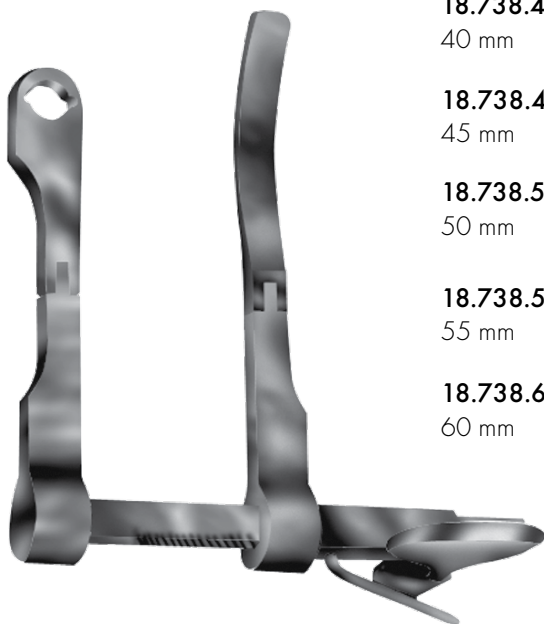
**CASPAR**  
18.736.00 - 18.736.20

<i>set complete</i>	<b>18.736.00</b>
<i>distractor only</i>	<b>18.736.01</b>
<i>drill guide</i>	<b>18.736.02</b>
<i>twist drill</i>	<b>18.736.10</b>
<i>distraction screws</i>	<b>18.736.11</b>
<i>screw driver</i>	<b>18.736.20</b>



<i>set complete</i>	<b>18.737.00</b>
<i>distractor only</i>	<b>18.737.01</b>
<i>drill guide</i>	<b>18.737.02</b>

**CASPAR**  
 18.737.00 - 18.737.02



**18.738.35**  
 35 mm



**18.738.40**  
 40 mm



**18.738.45**  
 45 mm



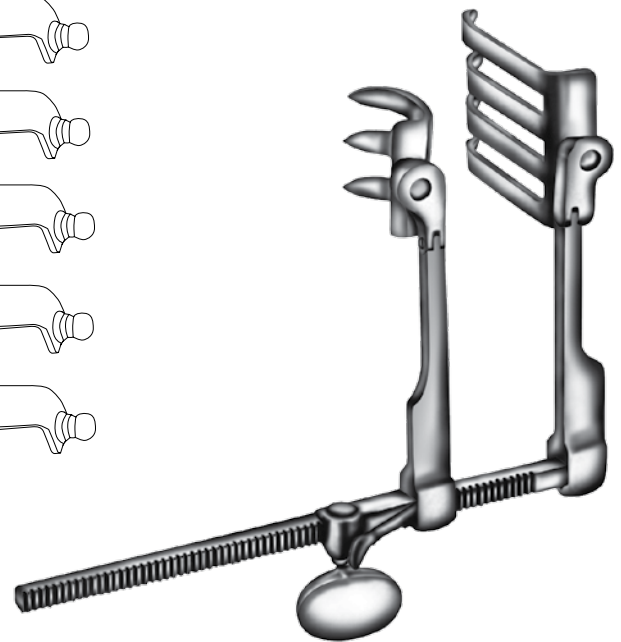
**18.738.50**  
 50 mm



**18.738.55**  
 55 mm



**18.738.60**  
 60 mm

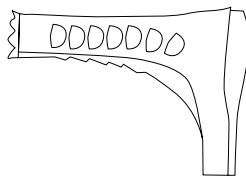
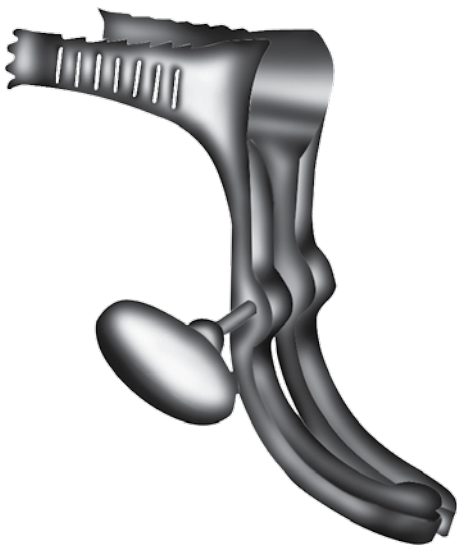
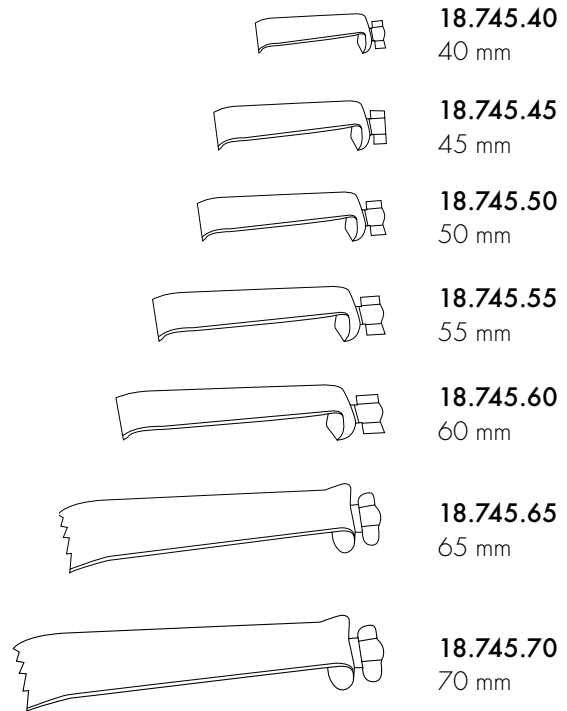


**CASPAR**  
 18.738.00 **18.738.01**  
*complete only*

**CASPAR**  
 18.740.00 **18.740.15**  
*complete only*

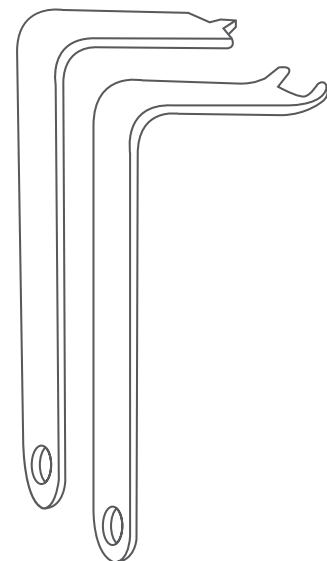


**CASPAR**  
18.744.00 18.744.17  
complete only

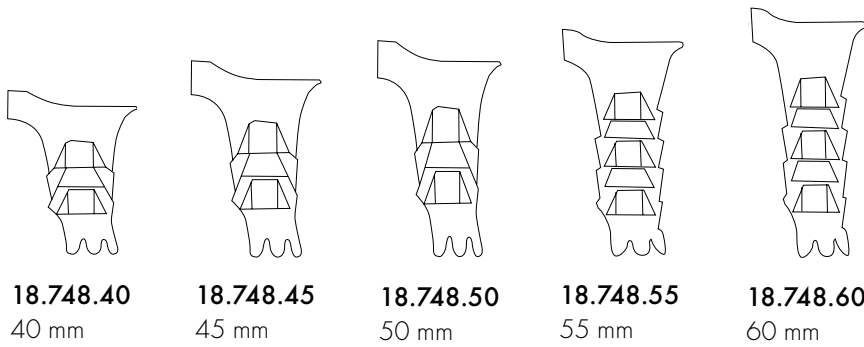


45 mm	<b>18.747.45</b>
50 mm	<b>18.747.50</b>
55 mm	<b>18.747.55</b>
60 mm	<b>18.747.60</b>
65 mm	<b>18.747.65</b>

**CASPAR**  
18.747.45 - 18.747.65



**CHARNLEY**  
18.749.00 18.749.01 18.749.02  
complete sharp blunt



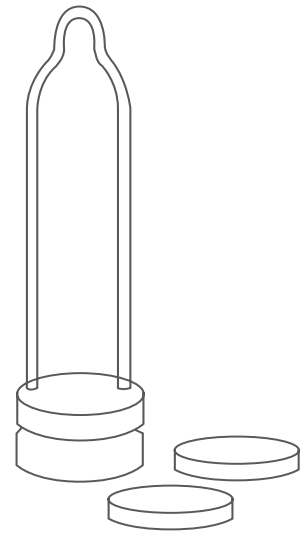
**18.748.40**  
40 mm

**18.748.45**  
45 mm

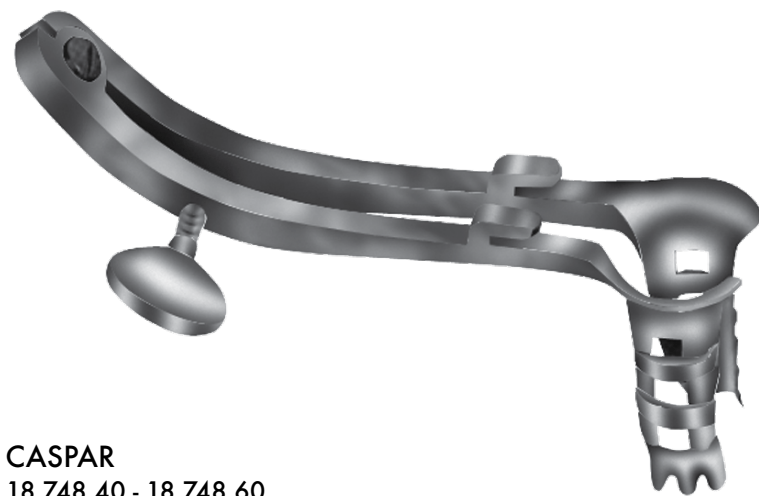
**18.748.50**  
50 mm

**18.748.55**  
55 mm

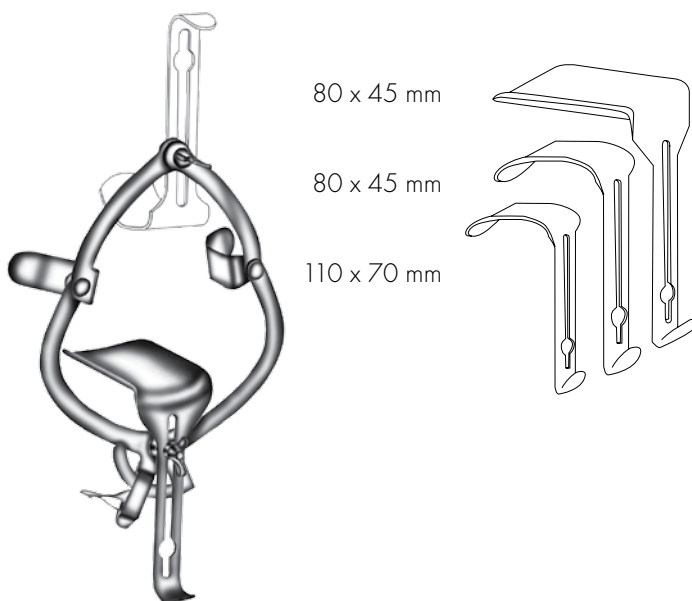
**18.748.60**  
60 mm



**18.749.15**  
**18.749.70**



**CASPAR**  
 18.748.40 - 18.748.60



80 x 45 mm

80 x 45 mm

110 x 70 mm

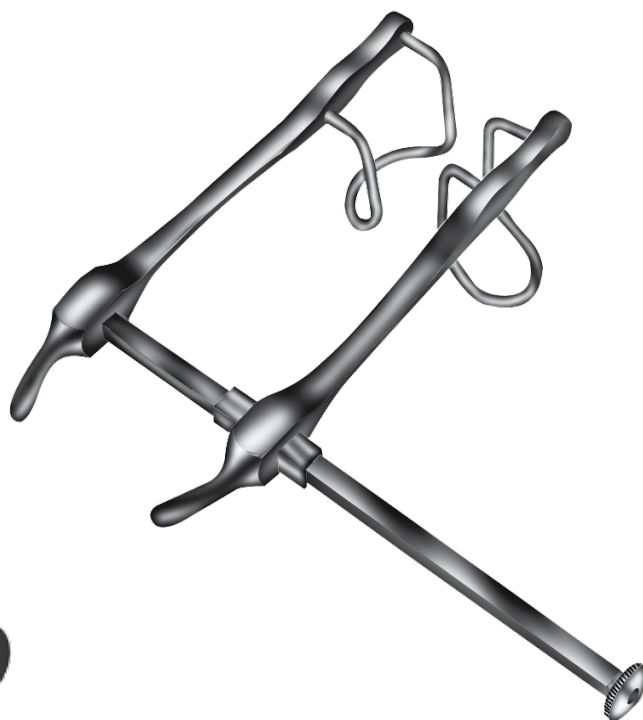
**O'SULLIVAN O'CONNOR**  
 18.754.00



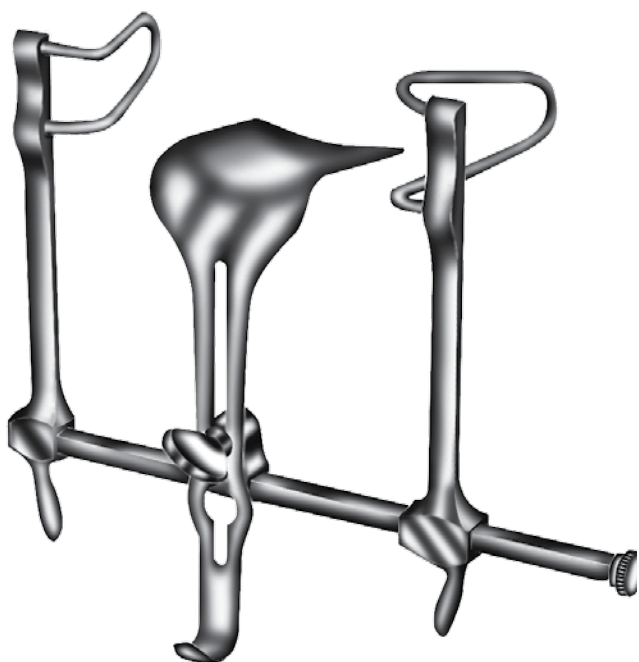
**FRAZIER**  
 18.758.85  
 85 mm X 40 mm X 40 mm



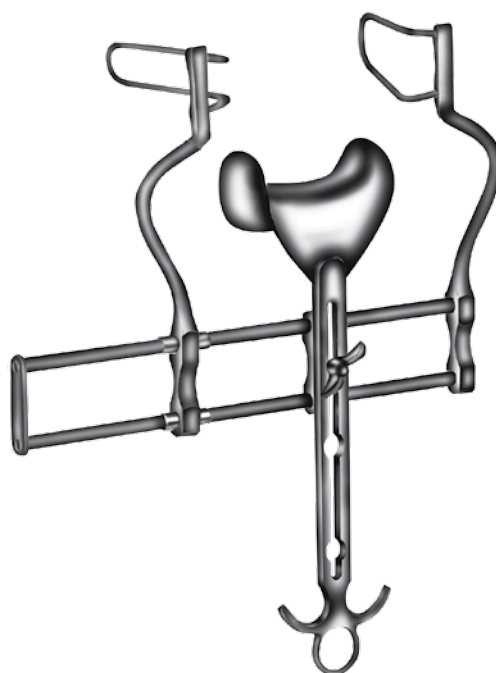
**GOSSET baby**  
**18.760.12**  
125 mm



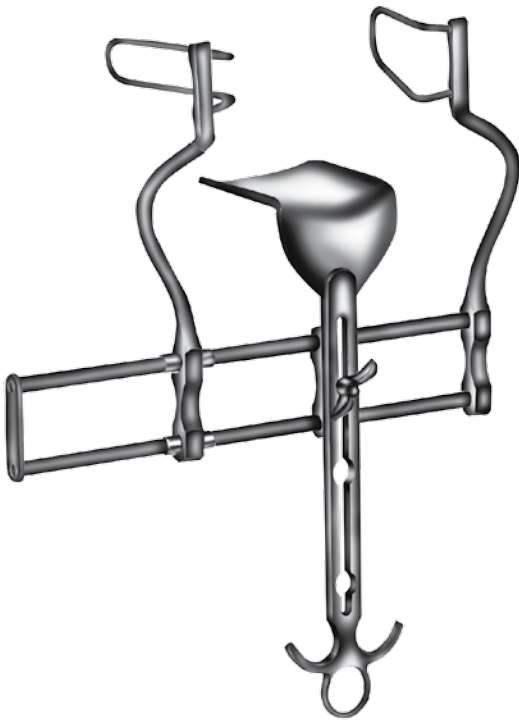
**GOSSET**  
**18.760.14**  
140 mm



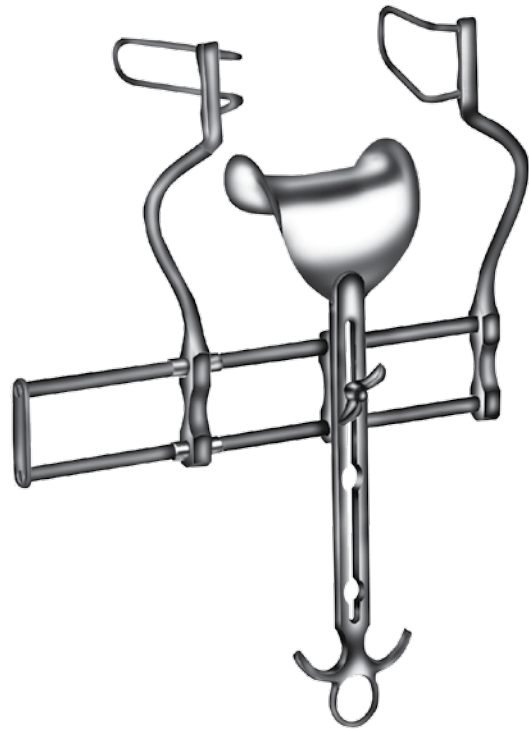
**GOSSET**  
**18.762.16**  
160 mm



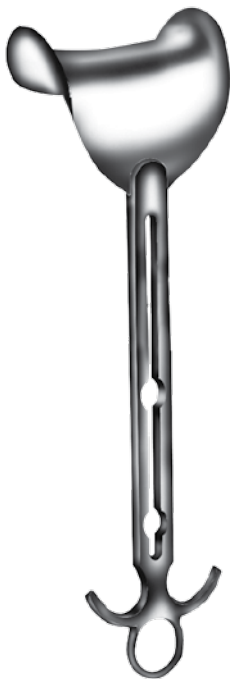
**BALFOUR**  
**18.764.18**  
180 mm



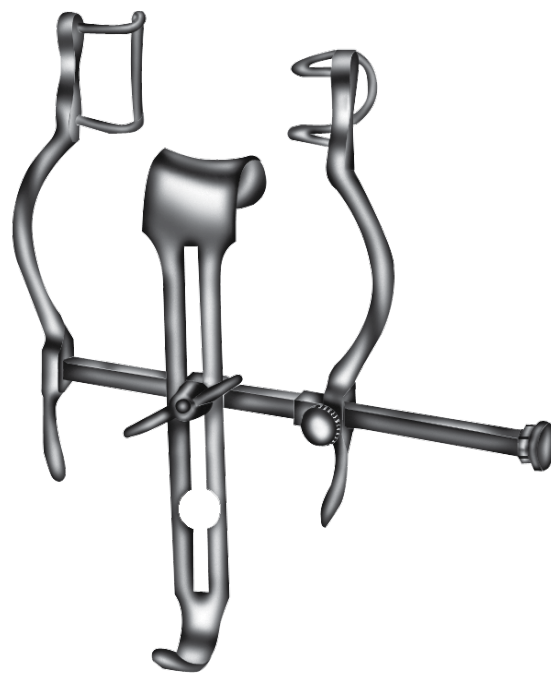
**BALFOUR**  
**18.764.20**  
200 mm



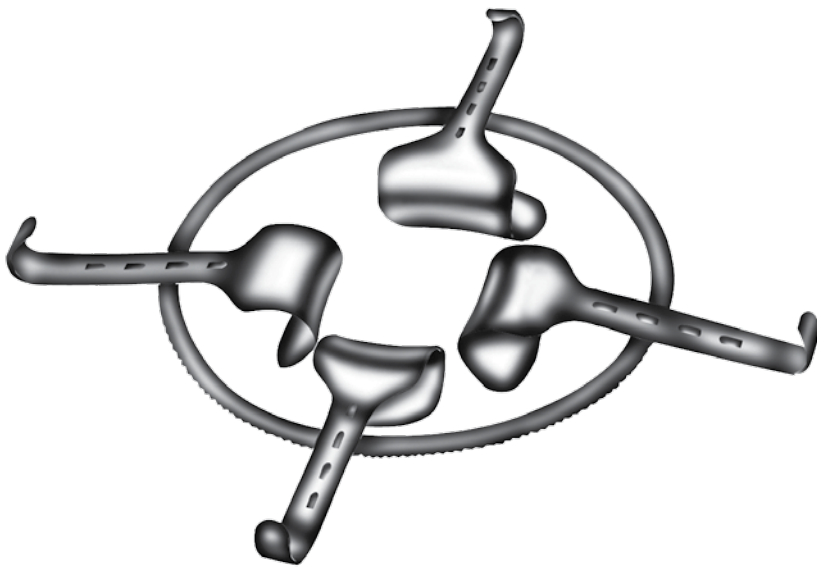
**BALFOUR**  
**18.764.25**  
250 mm



**BALFOUR**  
**18.765.45** **18.765.70** **18.765.80**  
45 x 80    70 x 85    80 x 90

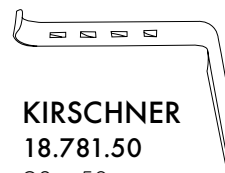


**BALFOUR baby**  
**18.766.90**  
9 cm

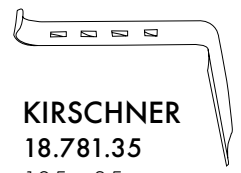


set complete	<b>18.780.00</b>
frame 300 x 240	<b>18.780.01</b>
blade 50 x 65	<b>18.781.65</b>
blade 80 x 90	<b>18.781.90</b>

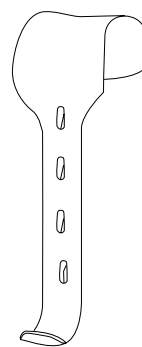
**KIRSCHNER**



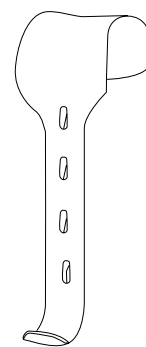
**KIRSCHNER**  
**18.781.50**  
98 x 50 mm



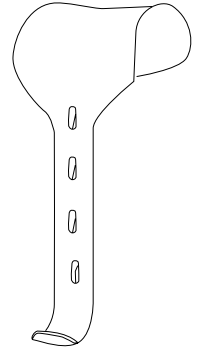
**KIRSCHNER**  
**18.781.35**  
105 x 35 mm



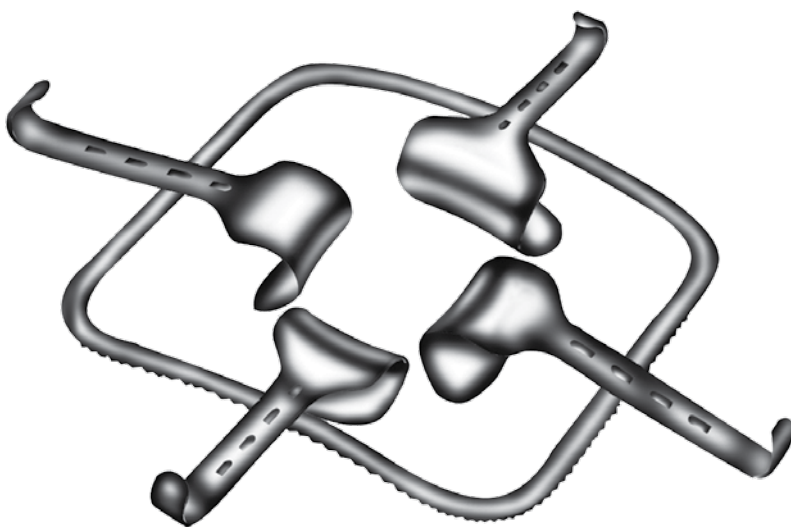
**KIRSCHNER**  
**18.781.55**  
40 x 55 mm



**KIRSCHNER**  
**18.781.65**  
50 x 65 mm

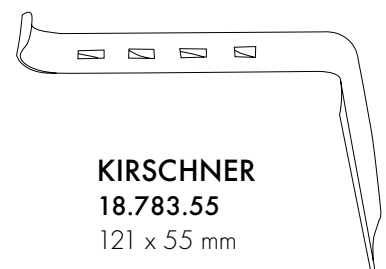


**KIRSCHNER**  
**18.781.90**  
80 x 90 mm



set complete	<b>18.782.50</b>
frame 240 x 240	
blade 50 x 65	
blade 40 x 55	

**KIRSCHNER**



**KIRSCHNER**  
**18.783.55**  
121 x 55 mm





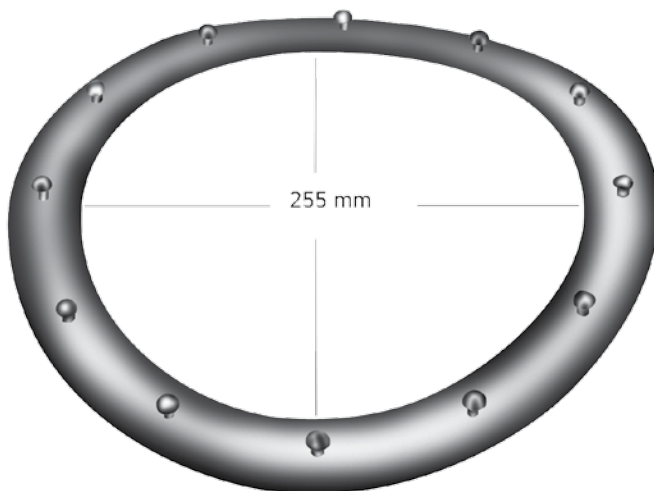
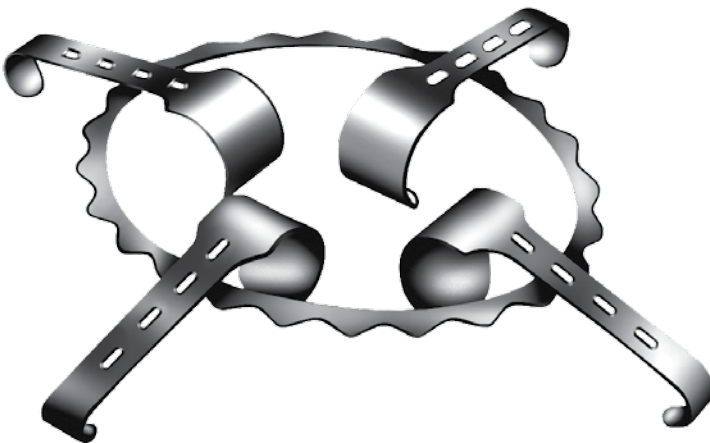
**KIRSCHNER**  
18.784.00  
250 x 250 mm

**DENNIS BROWN RAHMEN baby**

<i>set complete</i>	<b>18.784.50</b>
<i>frame 180 x 150</i>	<b>18.784.61</b>
<i>blade 30 x 40</i>	<b>18.784.62</b>
<i>blade 40 x 40</i>	<b>18.784.64</b>

**DENNIS BROWN RAHMEN adult**

<i>set complete</i>	<b>18.784.52</b>
<i>frame 255 x 180</i>	<b>18.784.61</b>
<i>blade 30 x 40</i>	<b>18.784.62</b>
<i>blade 40 x 40</i>	<b>18.784.64</b>



**DEWIMED**  
18.798.00    18.798.12  
*complete*    *only frame*



**DEWIMED**  
18.798.45  
65 x 45 mm

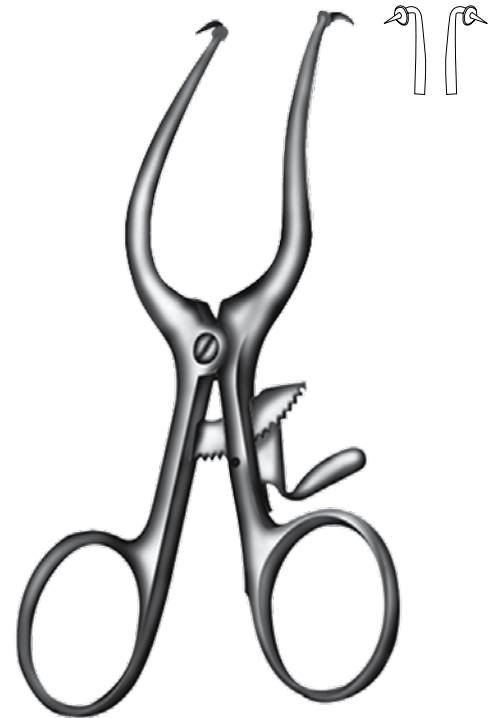


**DEWIMED**  
18.798.65  
75 x 65 mm



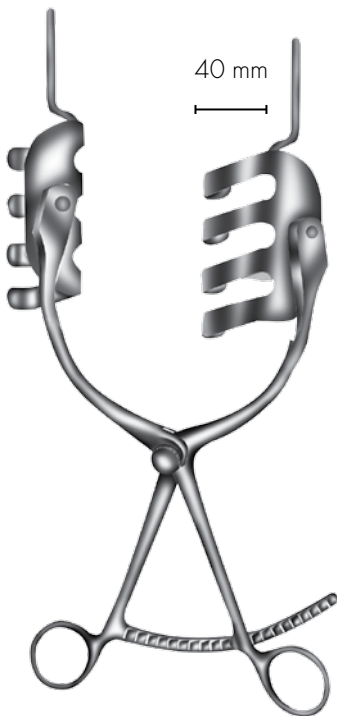


9 cm	18.802.09
11 cm	18.802.11
14 cm	18.802.14
16 cm	18.802.16
18 cm	18.802.18

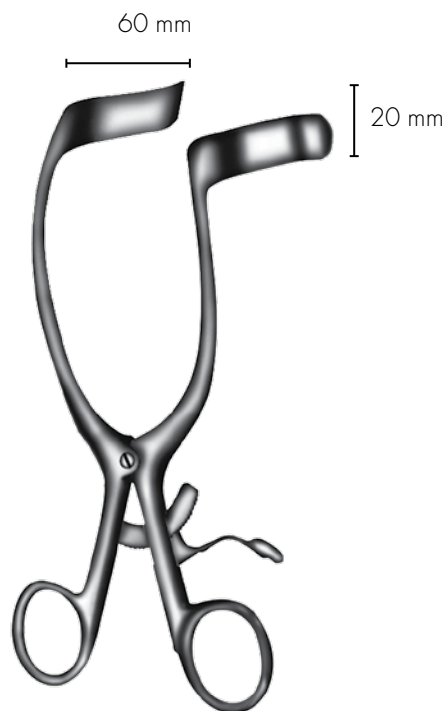


**GELPI**  
18.802.09 - 18.802.18  
opening 10 cm

**GELPI**  
18.804.18  
opening 10 cm  
18 cm



**ST. MARKS**  
18.805.21  
opening 16 cm  
21 cm



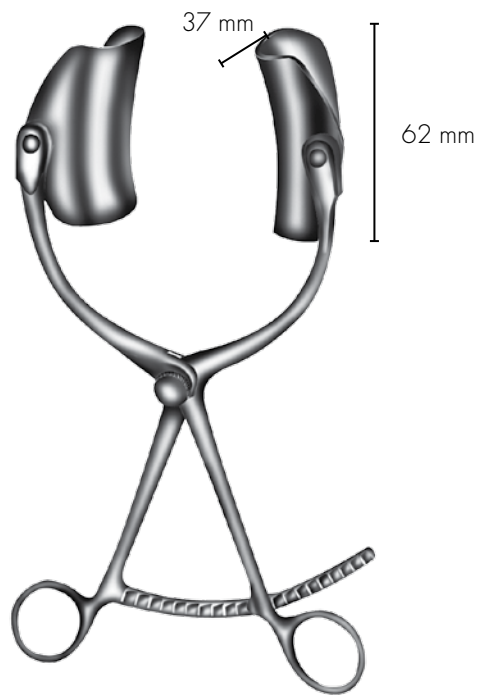
**RIGBY**  
18.806.18  
opening 10 cm  
18 cm



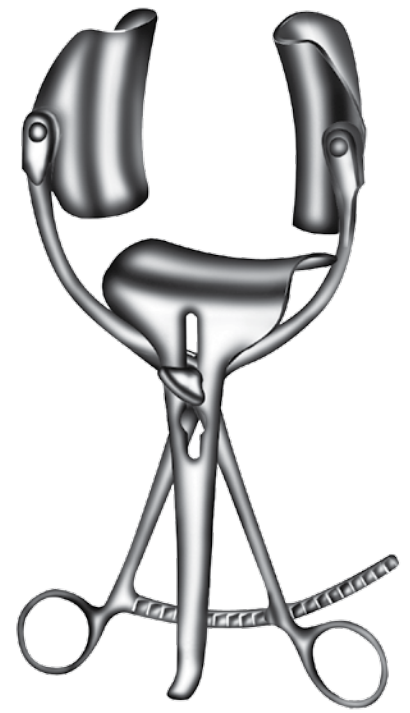
**GELPI SEILETZ**  
18.807.16  
14.5 cm



**RICHTER**  
**18.808.16**  
16 cm



**COLLIN**  
**18.810.22**  
opening 13.5 cm  
23.5 cm



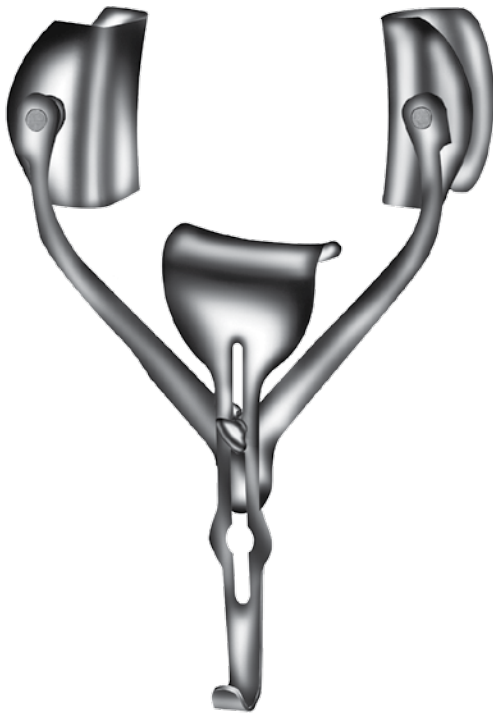
**COLLIN**  
**18.812.60**    **18.812.80**  
38 x 55 mm    50 x 75 mm



**COLLIN Loktite**  
**18.816.00**  
26 cm



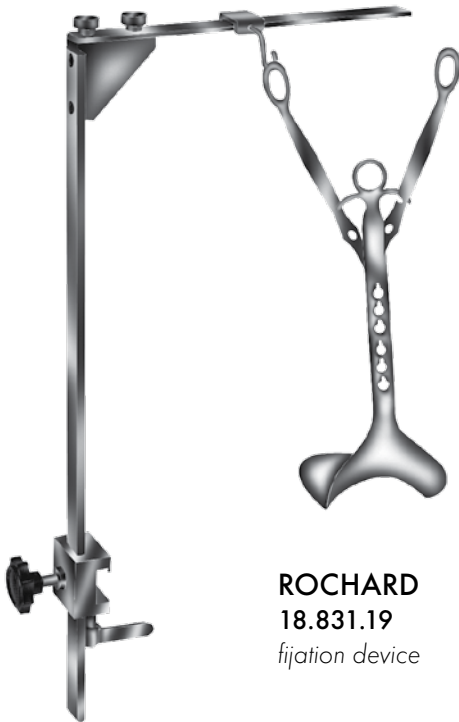
**MAYO baby**  
**18.817.00**  
20 cm



**RICARD**  
18.822.28    18.822.30  
28 cm        30 cm



**OETTINGEN**  
18.824.00  
complete  
28 cm



**ROCHARD**  
18.831.19  
*fixation device*

50 x 95 mm	<b>18.835.09</b>
50 x 105 mm	<b>18.835.10</b>
60 x 120 mm	<b>18.835.12</b>
60 x 135 mm	<b>18.835.13</b>
60 x 155 mm	<b>18.835.15</b>

**ROCHARD**  
18.830.01    18.830.02  
*one side*    *both side*



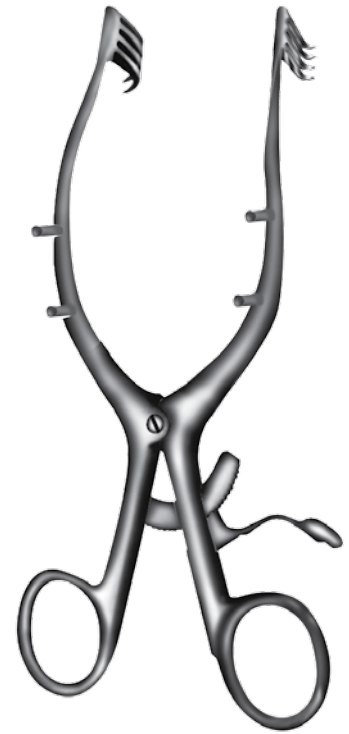
**GARRET**  
18.850.18  
18.4 cm



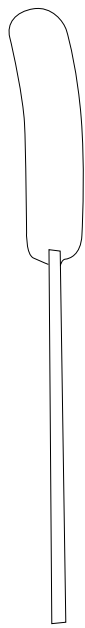
**OCHSNER**  
**18.853.20**  
20 cm



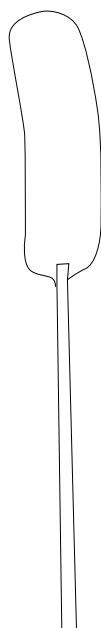
**MALIS** 18.861.01 *fixation device*  
**18.860.19** *retractors*  
18.5 cm **18.861.02** *adjustable arm*



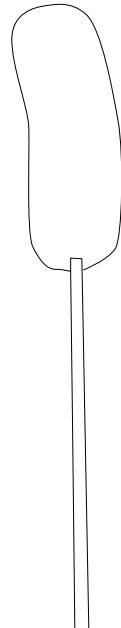
**JANNETTA** 18.870.00 *complete*  
18.870.19 *without blades*



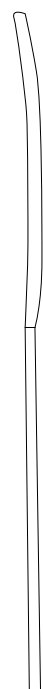
**JANNETTA**  
**18.873.16**  
16 x 70 mm



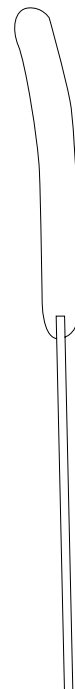
**JANNETTA**  
**18.873.20**  
20 x 70 mm



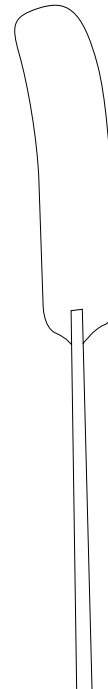
**JANNETTA**  
**18.873.25**  
25 x 70 mm



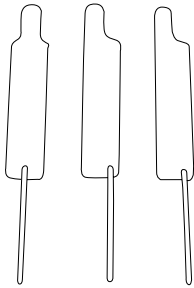
**JANNETTA**  
**18.875.05**  
5 x 90 mm



**JANNETTA**  
**18.875.11**  
11 x 90 mm



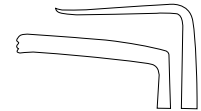
**JANNETTA**  
**18.875.21**  
21 x 90 mm



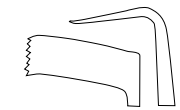
**APFELBAUM**  
18.875.50  
*complete*



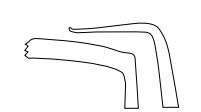
**WILLIAMS**  
18.881.50  
1 cm / 5 cm



**WILLIAMS**  
18.881.70  
1 cm / 7 cm



**WILLIAMS**  
18.882.50  
2 cm / 5 cm



**WILLIAMS**  
18.882.70  
2 cm / 7 cm



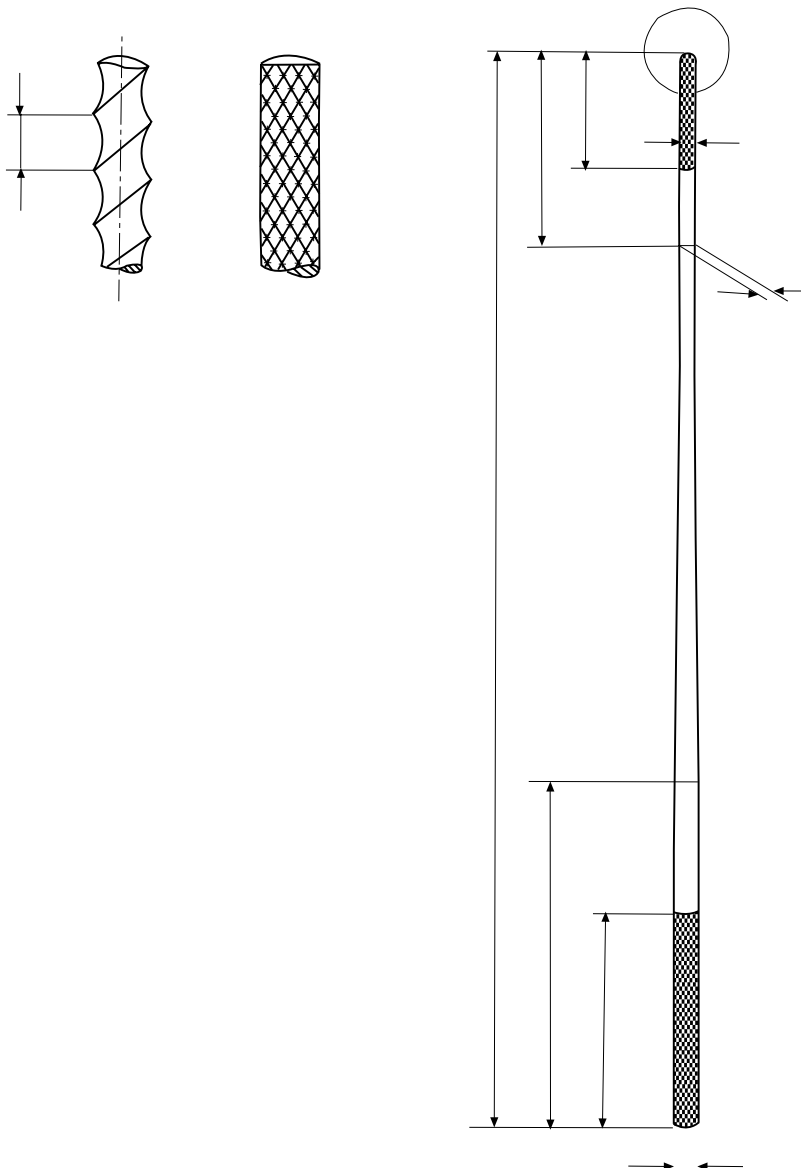
**DEWIMED**  
18.902.10  
2 x 2 hook  
10 cm



**DEWIMED**  
18.903.00  
set 3

# 20

## Probes, Cotton Applicators Sonden, Watteträger Estiletes, Sondas, Porta-Algodones





11.5 cm	<b>20.102.11</b>
13 cm	<b>20.102.13</b>
14 cm	<b>20.102.14</b>
16 cm	<b>20.102.16</b>
18 cm	<b>20.102.18</b>
20 cm	<b>20.102.20</b>
25 cm	<b>20.102.25</b>

**20.102.11 - 20.102.25**  
ø 2 mm



11.5 cm	<b>20.104.11</b>
13 cm	<b>20.104.13</b>
14 cm	<b>20.104.14</b>
16 cm	<b>20.104.16</b>
18 cm	<b>20.104.18</b>
20 cm	<b>20.104.20</b>
25 cm	<b>20.104.25</b>

**20.104.11 - 20.104.25**  
ø 1 mm



11.5 cm	<b>20.105.11</b>
13.5 cm	<b>20.105.13</b>
14.5 cm	<b>20.105.14</b>
16.5 cm	<b>20.105.16</b>
20 cm	<b>20.105.20</b>

**20.105.11 - 20.150.20**  
ø 1.5 mm



11.5 cm	<b>20.106.11</b>
13 cm	<b>20.106.13</b>
14.5 cm	<b>20.106.14</b>
16 cm	<b>20.106.16</b>
18 cm	<b>20.106.18</b>
20 cm	<b>20.106.20</b>
25 cm	<b>20.106.25</b>
30 cm	<b>20.106.30</b>

**20.106.11 - 20.106.30**  
ø 2 mm



14.5 cm	<b>20.108.14</b>
20 cm	<b>20.108.20</b>

20.108.14 - 20.108.20



13 cm	<b>20.110.13</b>
14 cm	<b>20.110.14</b>
16 cm	<b>20.110.16</b>
18 cm	<b>20.110.18</b>
20 cm	<b>20.110.20</b>

20.110.13 - 20.110.20



**DOYEN**  
**20.111.14**  
 14 cm



13 cm	<b>20.112.13</b>
14 cm	<b>20.112.14</b>
16 cm	<b>20.112.16</b>

20.112.13 - 20.112.16



**STACKE**  
**20.115.10**  
 10 cm



**NELATON**  
**20.117.16**  
 16 cm



**20.120.19**  
 19 cm  
 ø 3 mm





**NABATOFF**  
**20.150.00**  
*complete*  
135 x 100 x 25 mm

**TIP**  
**20.150.02**

**HANDLE**  
**20.150.80**



**TRACION CABLE**  
**20.150.90**



**20.150.02**  
*Plastic Probe*



**20.150.03**  
ø 3 mm  
Olive



**20.150.06**  
ø 6 mm  
Olive



**20.150.09**  
ø 9 mm  
Olive



6 mm	<b>20.154.06</b>
9 mm	<b>20.154.09</b>
12 mm	<b>20.154.12</b>
15 mm	<b>20.154.15</b>



Olive



**20.150.12**  
ø 12 mm  
Olive



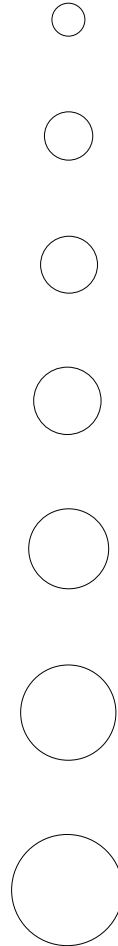
**20.150.15**  
ø 15 mm  
Olive

**MYERS**  
**20.154.06 - 20.154.15**  
1,00 m



4.8 mm	<b>20.156.48</b>
7.2 mm	<b>20.156.72</b>
9.6 mm	<b>20.156.96</b>

**MAYO**  
 20.156.48 - 20.156.96  
 39 cm



4 mm	<b>20.160.04</b>
6 mm	<b>20.160.06</b>
7 mm	<b>20.160.07</b>
8 mm	<b>20.160.08</b>
10 mm	<b>20.160.10</b>
12 mm	<b>20.160.12</b>
14 mm	<b>20.160.14</b>

**VOLLMAR**  
 20.160.04 - 20.160.14  
 55 cm



**HANDLE VOLLMAR**  
 20.162.12  
 12 cm



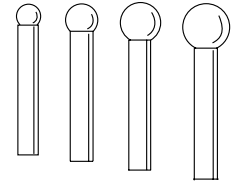
**VARADY**  
**20.167.01**  
18 cm



**VARADY**  
**20.167.02**  
18 cm



**VARADY**  
**20.167.03**  
18 cm



3 mm	<b>20.170.03</b>
4 mm	<b>20.170.04</b>
5 mm	<b>20.170.05</b>
6 mm	<b>20.170.06</b>

**SCHMID**  
**20.170.03 - 20.170.06**  
15 cm



13 cm	<b>20.190.13</b>
14.5 cm	<b>20.190.14</b>

**20.190.13 - 20.190.14**



12 cm	<b>20.270.12</b>
14 cm	<b>20.270.14</b>
16.5 cm	<b>20.270.16</b>
18 cm	<b>20.270.18</b>
23 cm	<b>20.270.23</b>

**FARREL**  
**20.270.12 - 20.270.23**



12 cm	20.272.12
14 cm	20.272.14
16.5 cm	20.272.16
18 cm	20.272.18
23 cm	20.272.23

**FARREL**  
 20.272.12 - 20.272.23

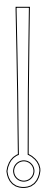
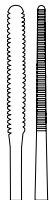


12 cm	20.290.12	20.292.12
14 cm	20.290.14	20.292.14
16 cm	20.290.16	20.292.16
18 cm	20.290.18	20.292.18

**FARREL**  
 20.290.12 - 20.292.18



**URKERMANN**  
 20.310.15  
 15 cm

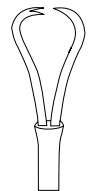


**JOBSON HORNE**  
 20.320.12 - 20.320.18

12.5 cm	20.320.12
18 cm	20.320.18



**TOBOLD**  
 20.331.25  
 25 cm

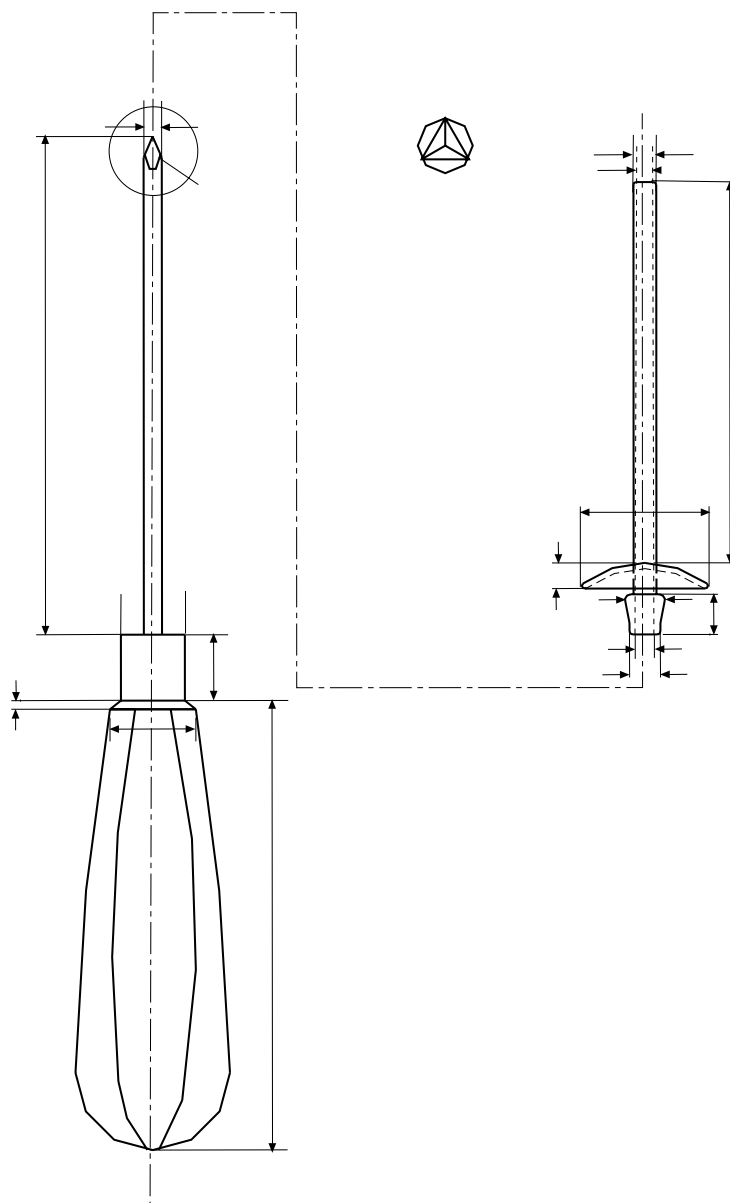


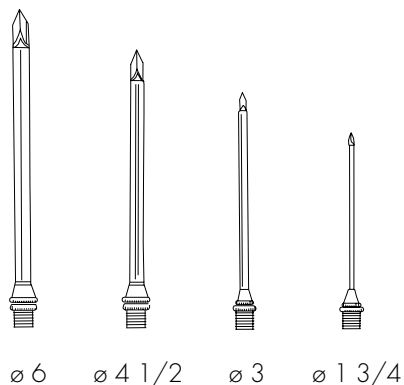
**DEWIMED**  
 20.340.45  
 45 cm



# 22

## Trocars, Punction Needles Trokare, Punktionsnadeln Tócares, Aguja de Punción





**UNIVERSAL**  
22.104.00  
*complete*



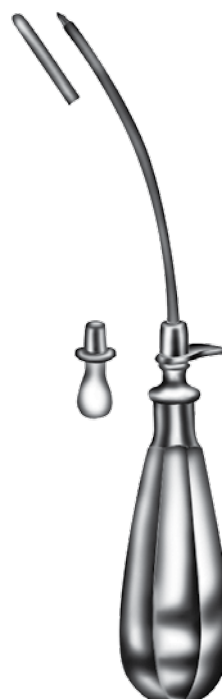
3 mm	22.110.30
3.5 mm	22.110.35
4 mm	22.110.40
4.5 mm	22.110.45
5 mm	22.110.50
5.5 mm	22.110.55
6 mm	22.110.60

**STANDARD**  
22.110.30 - 22.110.60



3 mm	22.120.30
3.5 mm	22.120.35
4 mm	22.120.40
4.5 mm	22.120.45
5 mm	22.120.50
5.5 mm	22.120.55
6 mm	22.120.60

**STANDARD**  
22.120.30 - 22.120.60

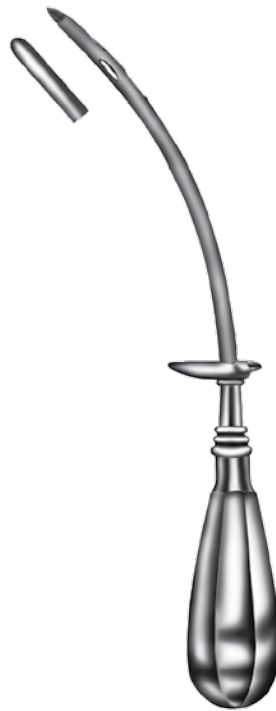


3 mm	22.123.30
4 mm	22.123.40
5 mm	22.123.50

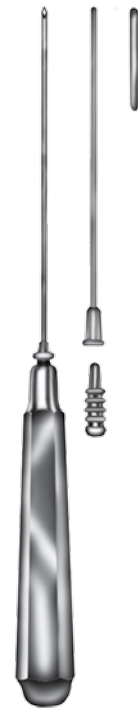
**PIERCE**  
22.123.30 - 22.123.50



**DOUGLAS**  
 22.125.11  
 ø 3 mm



**FLEURANT**  
 22.127.23  
 23 cm ø 5 mm



**LICHTWITZ**  
 22.128.19  
 ø 1.75 mm



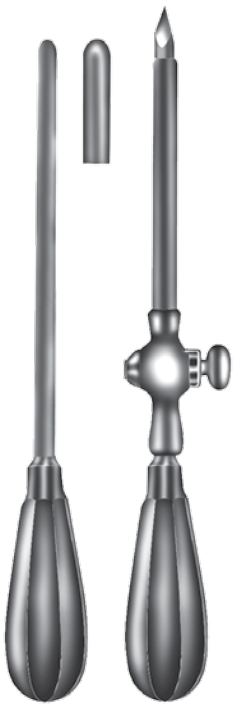
**COAKLEY**  
 22.140.02  
 ø 2.25 mm



**OCHSNER**  
 22.150.10 - 22.150.20

10 Charr / F.G.	<b>22.150.10</b>
12 Charr / F.G.	<b>22.150.12</b>
14 Charr / F.G.	<b>22.150.14</b>
16 Charr / F.G.	<b>22.150.16</b>
18 Charr / F.G.	<b>22.150.18</b>
20 Charr / F.G.	<b>22.150.20</b>





**BUELAU**  
22.160.24



**NELSON**  
22.170.25 - 22.170.35

25 Charr / F.G.	<b>22.170.25</b>
30 Charr / F.G.	<b>22.170.30</b>
33 Charr / F.G.	<b>22.170.33</b>
35 Charr / F.G.	<b>22.170.35</b>



**22.210.00**  
*complete*  
**22.210.01**  
*needle only*



**QUINKE**  
22.230.07 - 22.234.07

0.7 x 76 mm	<b>22.230.07</b>
1 x 76 mm	<b>22.230.10</b>
1.2 x 76 mm	<b>22.230.12</b>
0.7 x 89 mm	<b>22.232.07</b>
1 x 89 mm	<b>22.232.10</b>
1.2 x 89 mm	<b>22.232.12</b>
0.7 x 50 mm	<b>22.234.07</b>



**BIER**  
22.236.10 - 22.236.12

80 x 1 mm	<b>22.236.10</b>
80 x 1.2 mm	<b>22.236.12</b>



**VERRES**  
**22.250.20**  
 2.0 x 100 mm



**MENGHINI**  
**22.302.01 - 22.302.08**

1 x 35 mm	<b>22.302.01</b>
1 x 70 mm	<b>22.302.02</b>
1.2 x 70 mm	<b>22.302.03</b>
1.2 x 100 mm	<b>22.302.04</b>
1.4 x 70 mm	<b>22.302.05</b>
1.4 x 100 mm	<b>22.302.06</b>
1.6 x 70 mm	<b>22.302.07</b>
1.8 x 100 mm	<b>22.302.08</b>



**MENGHINI**  
**22.310.14 - 22.310.18**

1.4 x 168 mm	<b>22.310.14</b>
1.8 x 168 mm	<b>22.310.18</b>



**MENGHINI**  
**22.312.14 - 22.312.18**  
 1.40 X 168 mm - 180 X 168 mm



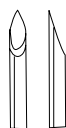
**MENGHINI**  
**22.314.05 - 22.314.10**

5 cc	<b>22.314.05</b>
10 cc	<b>22.314.10</b>



**22.315.05 - 22.315.20**

5 ml	<b>22.315.05</b>
10 ml	<b>22.315.10</b>
20 ml	<b>22.315.20</b>



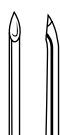
2 x 155 mm	<b>22.330.14</b>
2 x 105 mm	<b>22.330.20</b>

**FRANKLIN SILVERMANN**  
 22.330.14 - 22.330.20



2 x 100 mm	<b>22.350.20</b>
2.5 x 145 mm	<b>22.350.30</b>
2 x 100 mm	<b>22.354.20</b>
2.5 x 145 mm	<b>22.354.25</b>

**FRANKLIN SILVERMAN**  
 22.350.20 - 22.354.25



1.2 ø	<b>22.353.12</b>
1.4 ø	<b>22.353.14</b>
1.6 ø	<b>22.353.16</b>

**TUOHY**  
 22.353.12 - 22.353.16



2 x 100 mm	<b>22.352.15</b>
2.5 x 145 mm	<b>22.352.20</b>
2 x 100 mm	<b>22.356.15</b>
2.5 x 145 mm	<b>22.356.20</b>

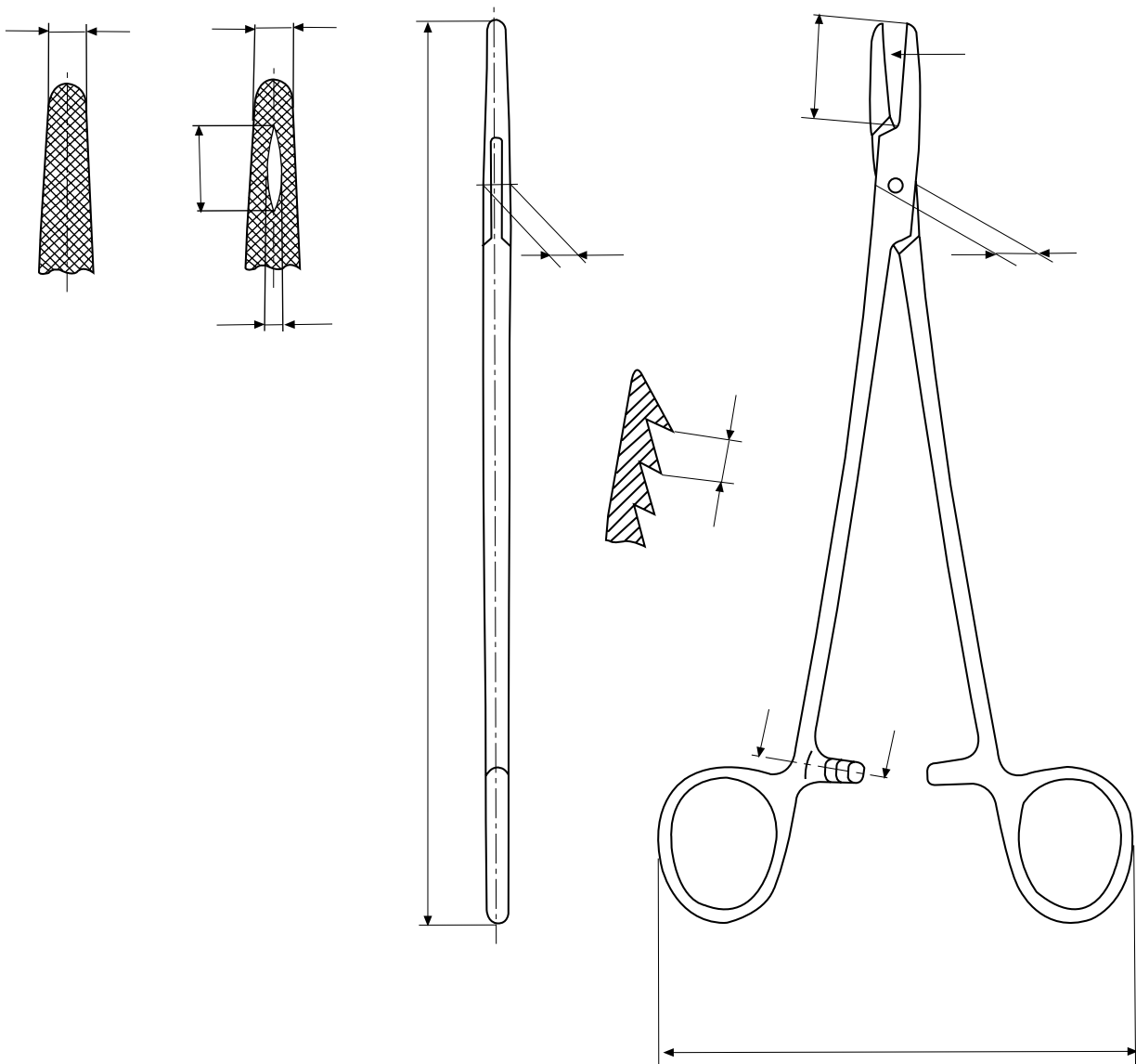
**FRANKLIN SILVERMAN**  
 22.352.15 - 22.356.20

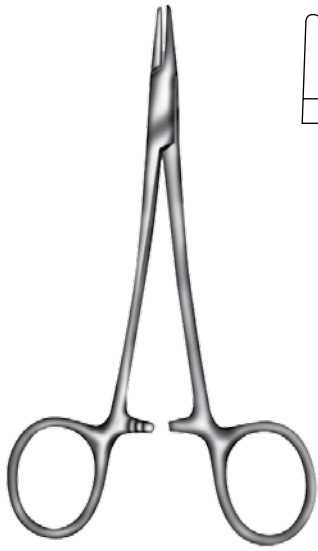


**MOCK**  
 22.372.06

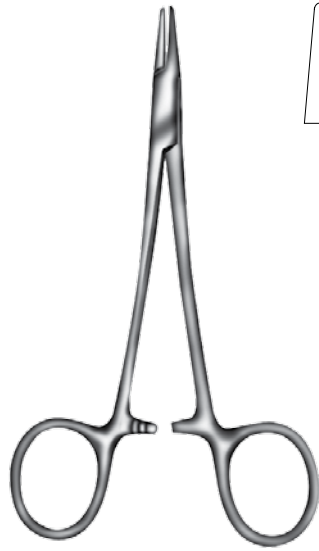
# 24

## Needle Holders Nadelhalter Porta Agujas





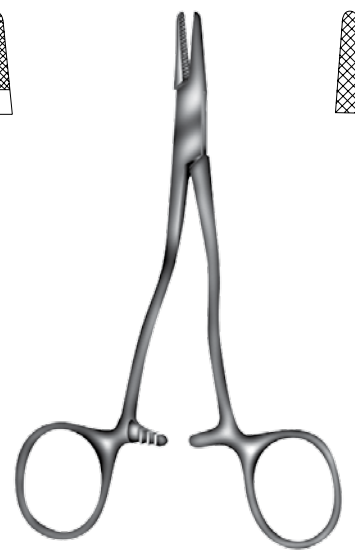
**WEBSTER**  
**24.100.12 TC**  
12 cm



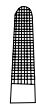
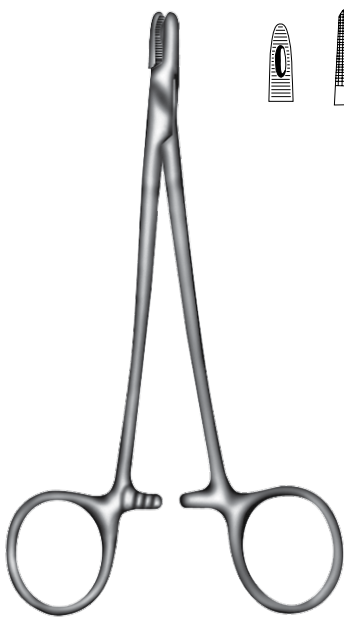
**WEBSTER**  
**24.100.13**  
13 cm



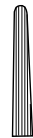
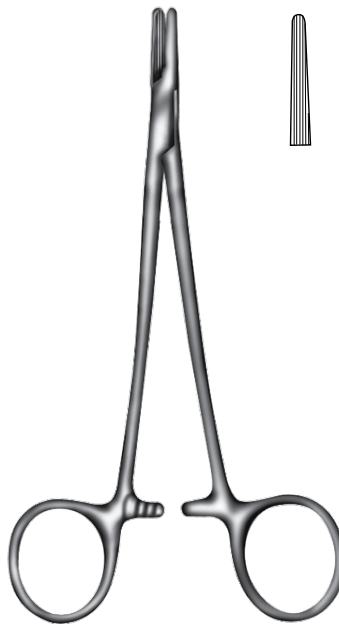
**CONVERSE**  
**24.104.12 TC**  
12.5 cm



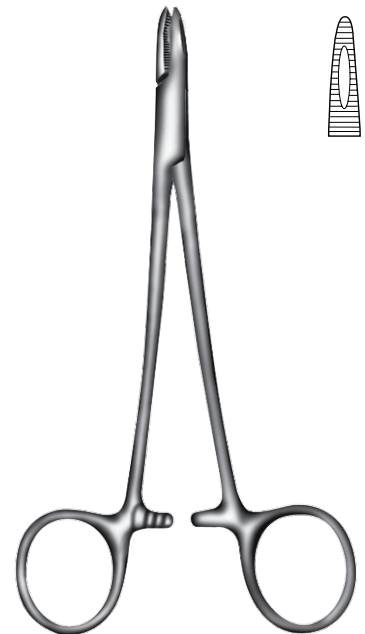
**KILNER**  
**24.104.13 TC**  
13.5 cm



**DERF**  
**24.110.12** **24.114.12 TC**  
12 cm 12 cm



**DERF**  
**24.120.12**  
12 cm



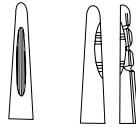
**COLLIER**  
**24.122.12**  
12.5 cm



13 cm	24.130.13	24.140.13
13 cm	24.134.13 TC	24.144.13 TC



**HALSEY**  
24.130.13 - 24.144.13 TC  
13 cm



12.5 mm	24.150.12	24.154.12 TC
14 mm	24.150.14	24.154.14 TC



**NEIVERT**  
24.146.13  
13 cm



**BAUMGARTNER**  
24.150.12 - 24.154.14 TC



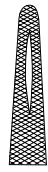
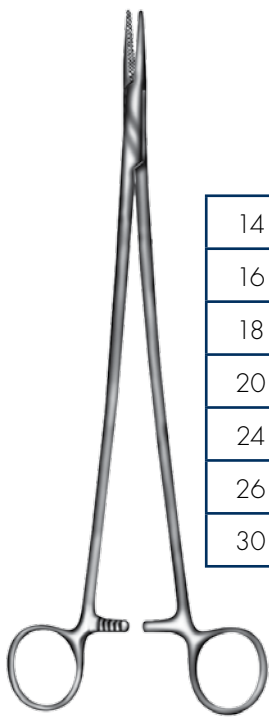
**CRILE WOOD**  
24.160.15 - 24.164.20 TC



15 cm	24.160.15	24.164.15 TC
18 cm	24.160.18	24.164.18 TC
20 cm	24.160.20	24.164.20 TC

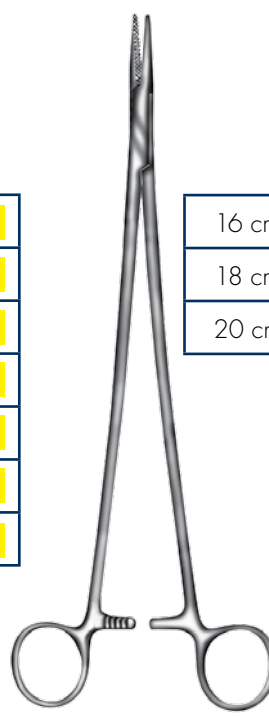


**CRILE MURRAY**  
24.170.15 - 24.174.15 TC  
15 cm



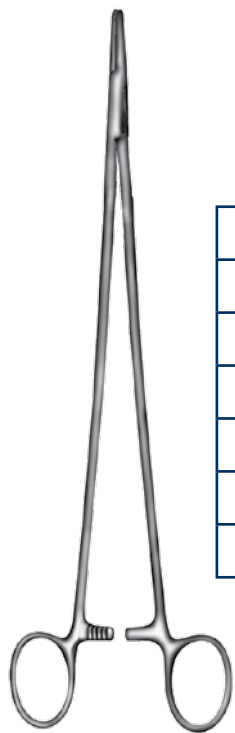
14 cm	24.180.14	24.184.14 TC
16 cm	24.180.16	24.184.16 TC
18 cm	24.180.18	24.184.18 TC
20 cm	24.180.20	24.184.20 TC
24 cm	24.180.24	24.184.24 TC
26 cm	24.180.26	24.184.26 TC
30 cm	24.180.30	24.184.30 TC

**MAYO HEGAR**  
24.180.14 - 24.184.30 TC



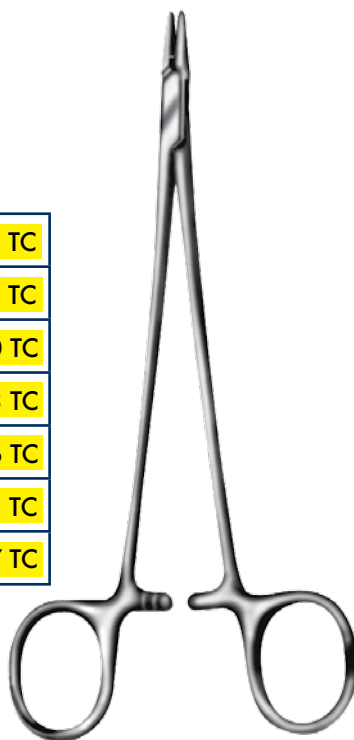
16 cm	24.190.16	24.194.16 TC
18 cm	24.190.18	24.194.18 TC
20 cm	24.190.20	24.194.20 TC

**MAYO HEGAR**  
24.190.16 - 24.194.20 TC

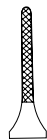
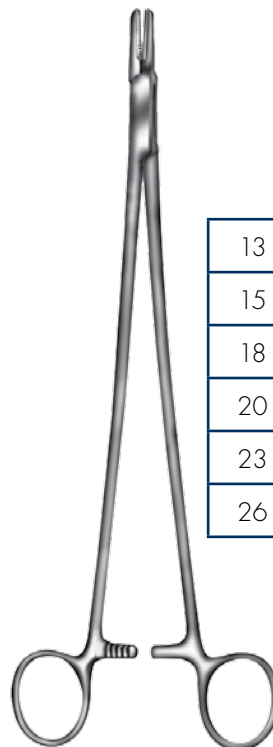


15 cm	24.214.15 TC
18 cm	24.214.18 TC
20 cm	24.214.20 TC
23 cm	24.214.23 TC
26 cm	24.214.26 TC
31 cm	24.214.31 TC
37 cm	24.214.37 TC

**DE BAKLEY**  
24.214.15 TC - 24.214.37 TC

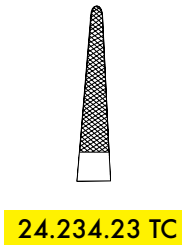
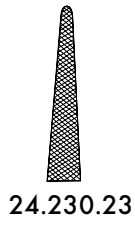


**DE BAKLEY**  
24.216.16 24.216.21  
16.5 cm 21 cm

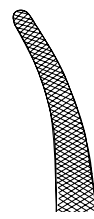
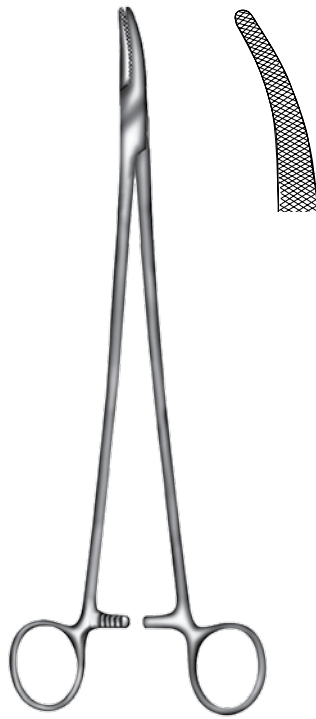


13 cm	24.224.13 TC
15 cm	24.224.15 TC
18 cm	24.224.18 TC
20 cm	24.224.20 TC
23 cm	24.224.23 TC
26 cm	24.224.26 TC

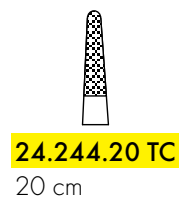
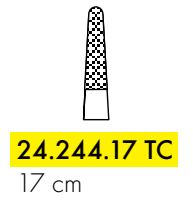
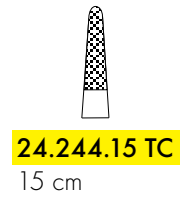
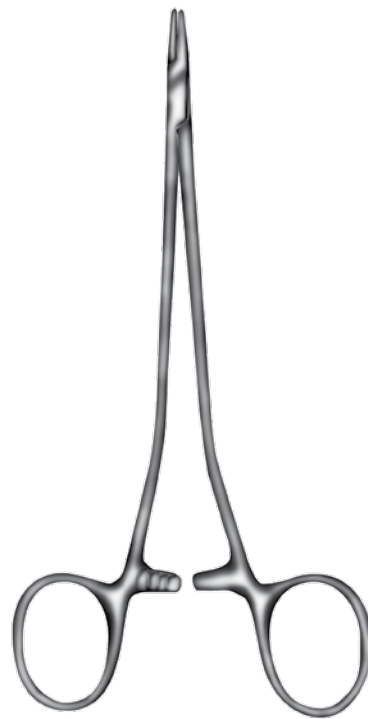
**RYDER**  
24.224.13 TC - 24.224.26 TC



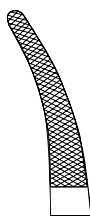
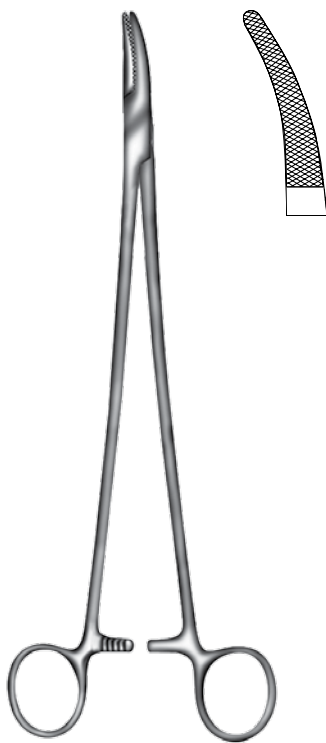
**JAMISON**  
 24.230.23 - 24.234.23 TC  
 23.5 cm



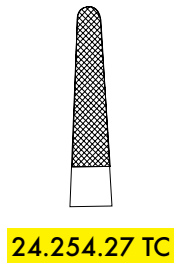
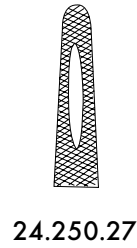
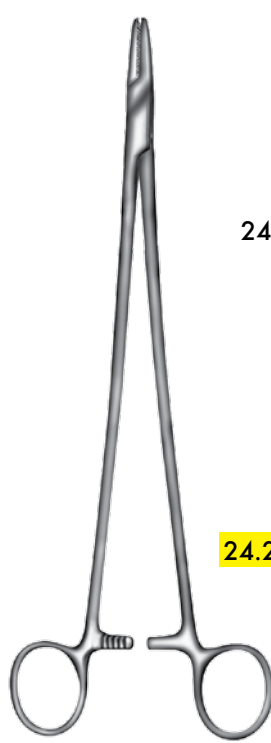
**HEANEY**  
 24.241.21  
 21 cm



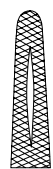
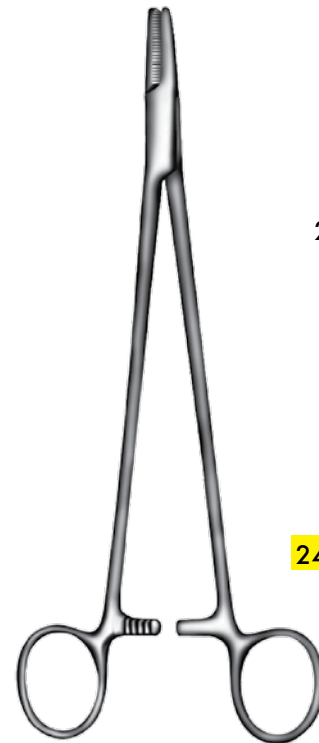
24.244.15 TC - 24.244.20 TC



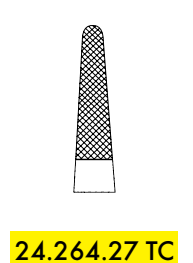
**HEANEY**  
 24.245.21 TC  
 21 cm



**MASSON**  
 24.250.27 - 24.254.27 TC  
 27 cm

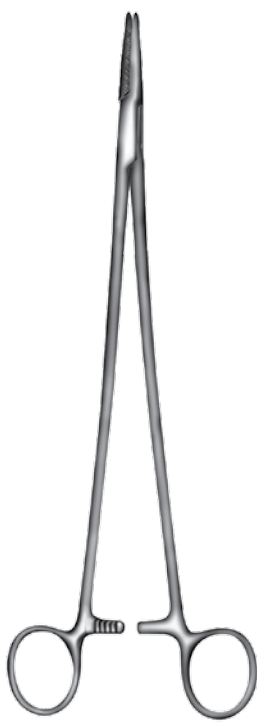


24.260.27



**WANGENSTEEN**  
 24.260.27 - 24.264.27 TC  
 27 cm





24.270.27

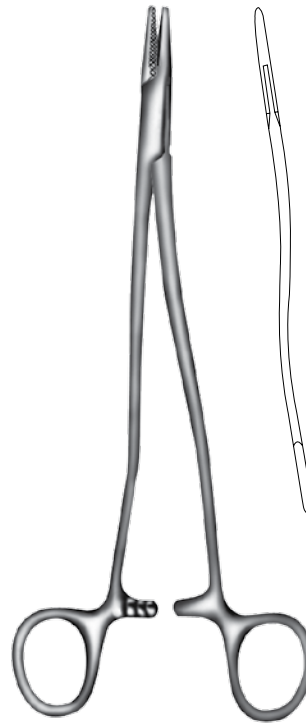


24.274.27 TC

**WANGENSTEEN**

24.270.27 - 24.274.27 TC

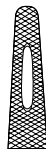
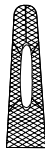
27 cm



20 cm	24.285.20 TC
24 cm	24.285.24 TC
26 cm	24.285.26 TC

**BOZEMANN**

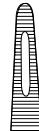
24.285.20 TC - 24.285.26 TC



**METZENBAUM**

24.290.18

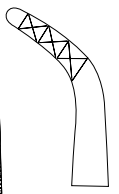
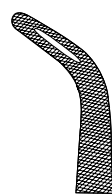
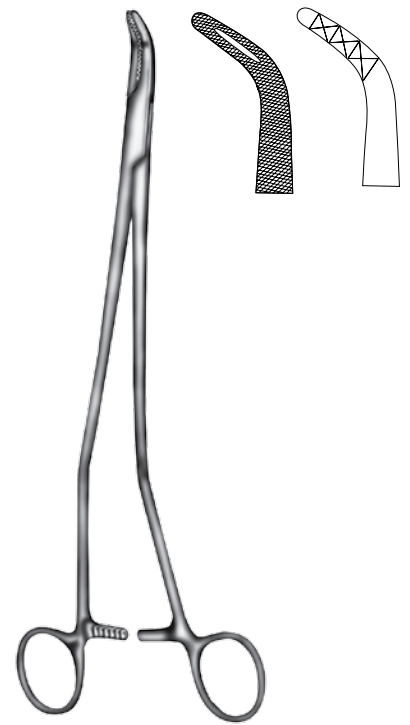
18 cm



**ADSON**

24.292.18

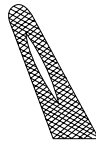
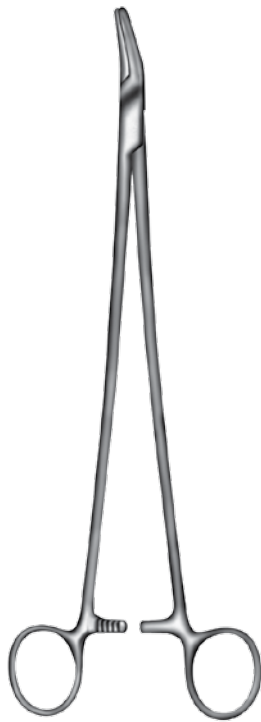
18 cm



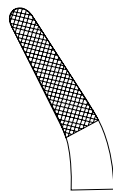
**JOHNSON**

24.293.27

27 cm



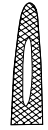
20 cm	<b>24.311.20</b>
27 cm	<b>24.311.27</b>



<b>24.315.20 TC</b>
<b>24.315.27 TC</b>

**FINOCHIETTO**

24.311.20 - **24.315.27 TC**



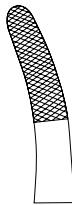
18 cm	<b>24.320.18</b>
26 cm	<b>24.320.26</b>



<b>24.324.18 TC</b>
<b>24.324.26 TC</b>

**SAROT**

24.320.18 - **24.324.26 TC**



**STRATTE**

24.330.23 - **24.334.23 TC**

23 cm



**CRILE**

24.350.15

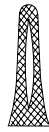
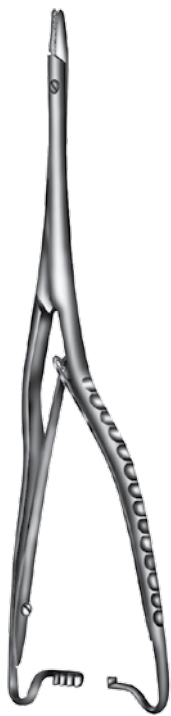
15 cm



**TOENNIS**

24.360.18 - **24.364.18 TC**

18 cm

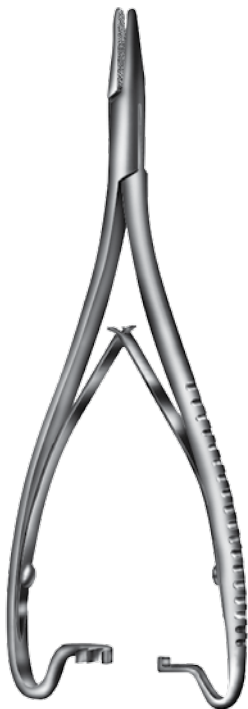


**HOESEL**  
24.367.25  
25 cm



**MATHIEU**  
24.370.14 - 24.374.24 TC

14 cm	24.370.14	24.374.14 TC
17 cm	24.370.17	24.374.17 TC
20 cm	24.370.20	24.374.20 TC
24 cm	24.370.24	24.374.24 TC

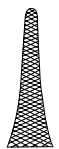


17 cm	24.380.17
20 cm	24.380.20



24.384.17 TC
24.384.20 TC

**MATHIEU**  
24.380.17 - 24.384.20 TC



14 cm	24.390.14
17 cm	24.390.17



24.394.14 TC
24.394.17 TC

**MATHIEU**  
24.390.14 - 24.394.17 TC



**AXHAUSEN**  
24.404.18 TC  
18.5 cm

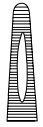


**LICHTENBERG**  
24.404.20 TC  
20 cm



**OLSEN HEGAR**  
24.410.14 - 24.414.18 TC

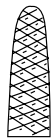
14 cm	24.410.14
18 cm	24.410.18



24.414.14 TC
24.414.18 TC



**OLSEN HEGAR**  
24.420.17 - 24.424.17 TC  
17 cm



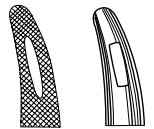
24.420.17



24.424.17 TC



**GILLIES**  
24.430.16 - 24.434.16 TC  
16 cm



24.430.16



24.434.16 TC



16 cm	24.444.16 TC
18 cm	24.444.18 TC
20 cm	24.444.20 TC
23 cm	24.444.23 TC
26 cm	24.444.26 TC

**DIETRICH**

24.444.16 TC - 24.444.26 TC



24.454.14 TC

14 cm



24.454.18 TC

18 cm



24.454.20 TC

20 cm

**EUFRATE PASQUE**

24.454.14 TC - 24.454.20 TC



**ZWEIFEL**

24.460.20 - 24.464.23 TC



**STEVENS**

24.610.11 - 24.612.15

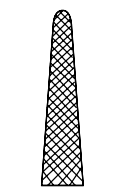
11 cm	24.610.11
13 cm	24.612.13
15 cm	24.612.15



**BOYNTON**

24.614.12

12 cm

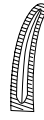


24.620.16



24.624.16 TC

**ARRUGA**  
24.620.16 - 24.624.16 TC  
16 cm



**KALT ARRUGA**  
24.627.14  
14 cm



**KALT**  
24.628.14  
14 cm



24.650.10  
10 cm



24.651.10  
10 cm



24.652.12  
12 cm

**BARRAQUER**  
24.650.10 - 24.652.12



micro normal

24.653.18	24.654.18
24.656.18	24.655.18

**REILL**  
24.653.18 - 24.656.18



	straight without catch	straight with catch	curved with catch
12 cm	<b>24.661.12</b>	<b>24.662.12</b>	<b>24.663.12</b>
13 cm	<b>24.661.13</b>		



**BARRAQUER**  
24.661.12 - 24.663.12

**BARRAQUER**  
24.664.15 **24.665.13 TC**  
15 cm 13 cm

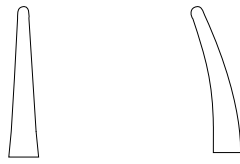


**CASTROVIEJO**  
24.666.18  
18 cm



15 cm	<b>24.667.15</b>
18 cm	<b>24.667.18</b>
23 cm	<b>24.667.23</b>

**CASTROVIEJO**  
24.667.15 - 24.667.23

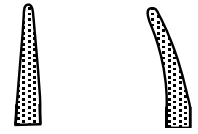


14 cm	24.670.14	24.671.14
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14 cm	24.674.14 TC	24.675.14 TC
18 cm	24.674.18 TC	24.675.18 TC
21 cm	24.674.21 TC	24.675.21 TC

CASTROVIEJO  
24.670.14 - 24.675.21 TC



24.676.14 24.677.14

CASTROVIEJO  
24.676.14 - 24.677.14  
14 cm



CASTROVIEJO  
24.678.14 TC 24.678.18 TC  
14 cm 18 cm



CASTROVIEJO  
24.680.13 24.684.13 TC  
13 cm 13 cm



24.686.14 TC



24.687.14 TC

CASTROVIEJO  
24.686.14 TC - 24.687.14 TC  
14 cm





16 cm	<b>24.690.16</b>	<b>24.691.16</b>
18 cm	<b>24.690.18</b>	<b>24.691.18</b>

**CASTROVIEJO**  
24.690.16 - 24.691.18



16 cm		<b>24.711.16</b>
20 cm	<b>24.710.20</b>	<b>24.711.20</b>
23 cm	<b>24.710.22</b>	<b>24.711.22</b>
24.5 cm		<b>24.711.24</b>

**YASARGIL**  
24.710.20 - 24.711.24



**24.720.18**  
without catch





**24.722.18**  
with catch

**JACOBSON**  
24.720.18 - 24.722.18  
18 cm



**MICRO-NEEDLE HOLDERS, BAYONET-SHAPED**  
MICRO NADELHALTER, BAJONETTFÖRMIG  
PORTA AGUJA MICRO, FORMA BAYONETA



	<b>Smooth jaws</b> Glatte maupteile Boca lisa		<b>Wolframcarbide tip coating</b> Wolfram carbid beschichtung Wolfram carbide tip incrustación	
<b>Dim./Abm./Dim.</b>	12 x 1 x 1.5 mm		12 x 1 x 1.5 mm	
				
16.5 cm / 6 1/2"	24.710.16	24.711.16	24.712.16	24.713.16
20 cm / 8"	24.710.20	24.711.20	24.712.20	24.713.20

**Flat handle**  
Flachgriff  
Mango plano

**MICRO-NEEDLE HOLDERS, BAYONET-SHAPED**  
MICRO NADELHALTER, BAJONETTFÖRMIG  
PORTA AGUJA MICRO, FORMA BAYONETA



YASARGIL

	<b>Smooth jaws</b> Glatte maupteile Boca lisa		<b>Wolfram cabide tip coating</b> Wolfram carbid beschichtung Wolfram carbide tip incrustación	
<b>Dim./Abm./Dim.</b>	12 x 1 x 1.5 mm		12 x 1 x 1.5 mm	
				
23 cm / 9"	<b>24.710.22</b>	<b>24.711.22</b>	<b>24.712.22</b>	<b>24.713.22</b>
24.5 cm / 9 <sup>2</sup> / <sub>3</sub> "	<b>24.710.24</b>	<b>24.711.24</b>	<b>24.712.24</b>	<b>24.713.24</b>

**Flat handle**  
Flachgriff  
Mango plano



**MICRO-NEEDLE HOLDERS, BAYONET-SHAPED**  
**MICRO NADELHALTER, BAJONETTFÖRMIG**  
PORTA AGUJA MICRO, FORMA BAYONETA

**DELICATE**  
**Without lock**  
Ohne sperre  
Sin seguro

	Smooth jaws Glatte mauteile Boca lisa		Tungsten carbide Wolfram carbide Carburo de tungsteno		Tungsten carbide Wolfram carbide Carburo de tungsteno	
Dim./Abm./Dim.	12 x 1.2 x 1.6 mm		12 x 1.2 x 2 mm		12 x 1.2 x 1.6 mm	
	straight	curved	straight	curved	straight	curved
14 cm / 5 1/2"	24.800.14	24.801.14	24.802.14	24.803.14	24.804.14	24.805.14
18 cm / 7"	24.800.18	24.801.18	24.802.18	24.802.18	24.804.18	24.805.18
21 cm / 8 1/4"	24.800.21	24.801.21	24.802.21	24.802.21	24.804.21	24.805.21
23 cm / 8 1/4"	24.800.23	24.801.23	24.802.23	24.802.23	24.804.23	24.805.23

**MICRO**  
**Without lock**  
Ohne sperre  
Sin seguro

	Smooth jaws Glatte mauteile Boca lisa		Tungsten carbide Wolfram carbide Carburo de tungsteno		Tungsten carbide Wolfram carbide Carburo de tungsteno	
Dim./Abm./Dim.	12 x 0.8 x 1.2 mm		12 x 1 x 1.8 mm		12 x 0.8 x 1.2 mm	
	straight	curved	straight	curved	straight	curved
14 cm / 5 1/2"	24.806.14	24.807.14	24.808.14	24.809.14	24.810.14	24.811.14
18 cm / 7"	24.806.18	24.807.18	24.808.18	24.809.18	24.810.18	24.811.18
21 cm / 8 1/4"	24.806.21	24.807.21	24.808.21	24.809.21	24.810.21	24.811.21
23 cm / 8 1/4"	24.806.23	24.807.23	24.808.23	24.809.23	24.810.23	24.811.23

**DELICATE**  
**With lock**  
Mit sperre  
Con seguro

	Smooth jaws Glatte mauteile Boca lisa		Tungsten carbide Wolfram carbide Carburo de tungsteno		Tungsten carbide Wolfram carbide Carburo de tungsteno	
Dim./Abm./Dim.	12 x 1.2 x 1.6 mm		12 x 1.2 x 2 mm		12 x 1.2 x 1.6 mm	
	straight	curved	straight	curved	straight	curved
14 cm / 5 1/2"	24.812.14	24.813.14	24.814.14	24.815.14	24.816.14	24.817.14
18 cm / 7"	24.812.18	24.813.18	24.814.18	24.815.18	24.816.18	24.817.18
21 cm / 8 1/4"	24.812.21	24.813.21	24.814.21	24.815.21	24.816.21	24.817.21
23 cm / 8 1/4"	24.812.23	24.813.23	24.814.23	24.815.23	24.816.23	24.817.23






## DELICATE

**With lock**

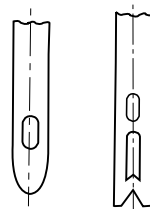
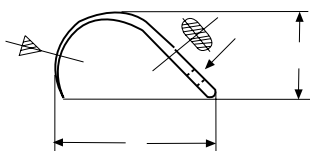
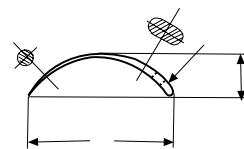
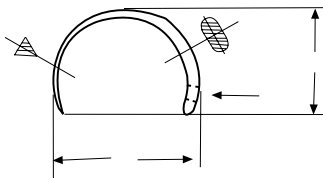
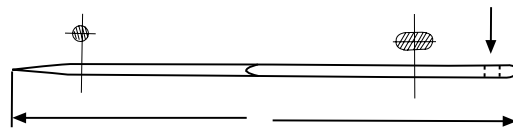
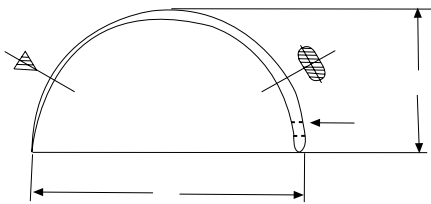
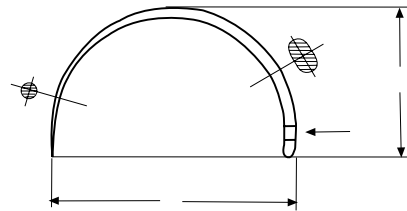
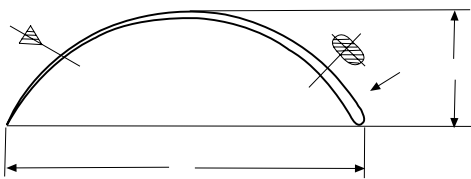
**Mit sperre**

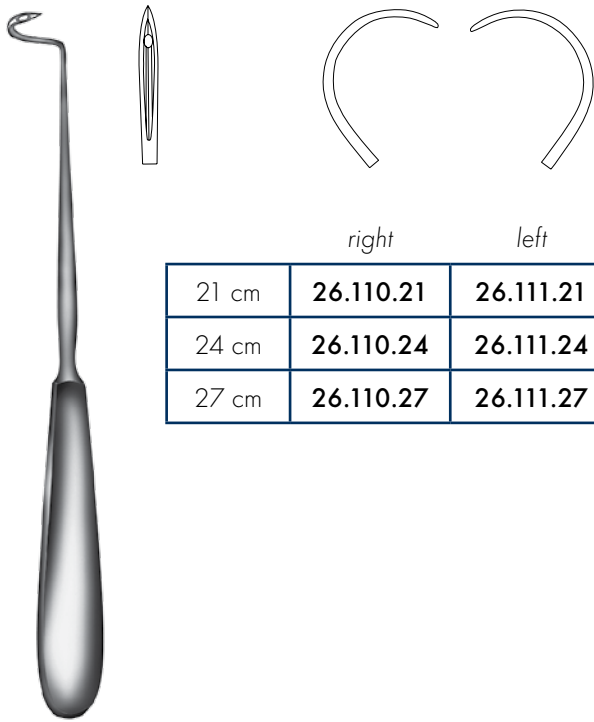
Con seguro

	<b>Glatte Maulteile</b> Smooth Jaws Boca lisa		<b>Tungsten carbide</b> Wolfram carbide Carburo de tungsteno		<b>Tungsten carbide</b> Wolfram carbide Carburo de tungsteno	
<b>Dim./Abm./Dim.</b>	12 x 1.2 x 1.6 mm		12 x 1.2 x 2 mm		12 x 1.2 x 1.6 mm	
						
	straight	curved	straight	curved	straight	curved
14 cm / 5 1/2"	<b>24.818.14</b>	<b>24.819.14</b>	<b>24.820.14</b>	<b>24.821.14</b>	<b>24.822.14</b>	<b>24.824.14</b>
18 cm / 7 "	<b>24.818.18</b>	<b>24.819.18</b>	<b>24.820.18</b>	<b>24.821.18</b>	<b>24.822.18</b>	<b>24.824.18</b>
21 cm / 8 1/4"	<b>24.818.21</b>	<b>24.819.21</b>	<b>24.820.21</b>	<b>24.821.21</b>	<b>24.822.21</b>	<b>24.824.21</b>
23 cm / 8 1/4"	<b>24.818.23</b>	<b>24.819.23</b>	<b>24.820.23</b>	<b>24.821.23</b>	<b>24.822.23</b>	<b>24.824.23</b>

# 26

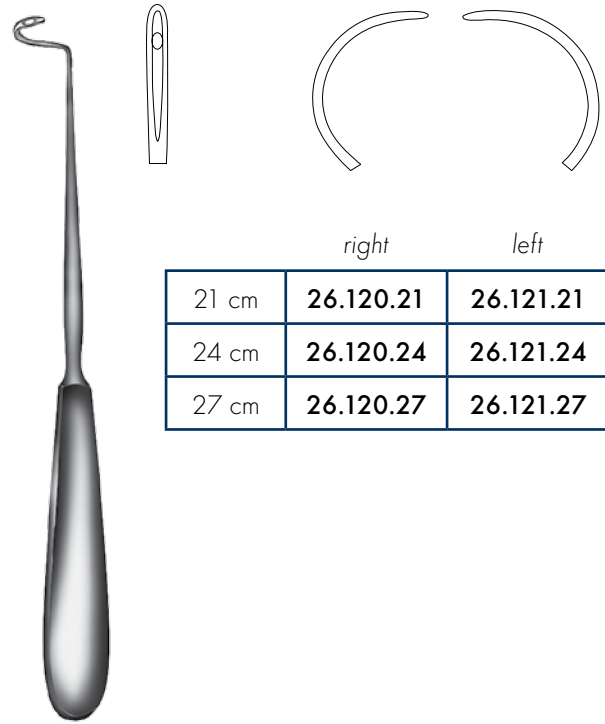
## Suture Naht Sutura





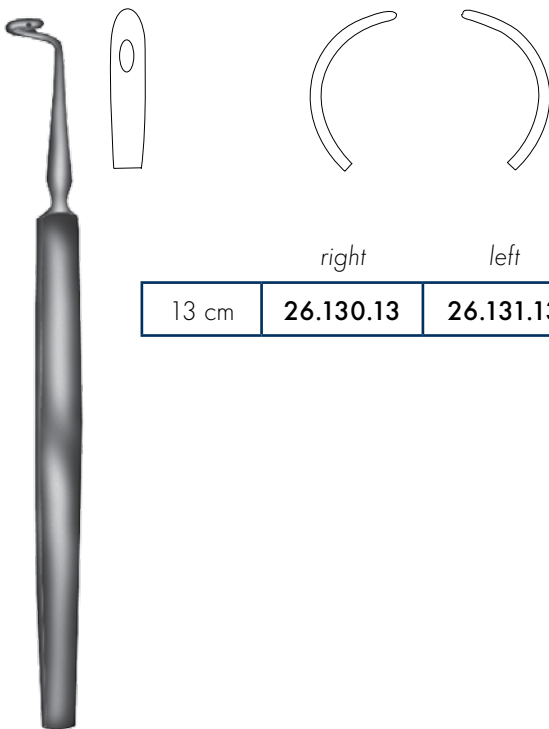
	<i>right</i>	<i>left</i>
21 cm	<b>26.110.21</b>	<b>26.111.21</b>
24 cm	<b>26.110.24</b>	<b>26.111.24</b>
27 cm	<b>26.110.27</b>	<b>26.111.27</b>

**DESCHAMPS**  
26.110.21 - 26.111.27



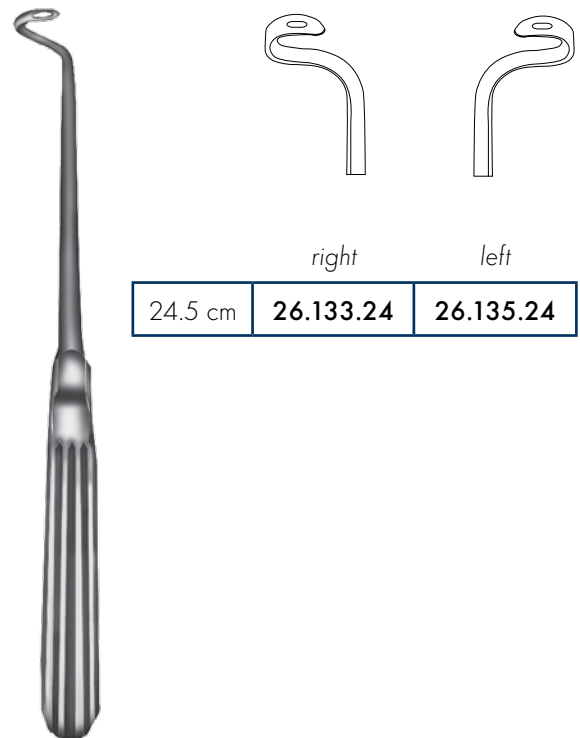
	<i>right</i>	<i>left</i>
21 cm	<b>26.120.21</b>	<b>26.121.21</b>
24 cm	<b>26.120.24</b>	<b>26.121.24</b>
27 cm	<b>26.120.27</b>	<b>26.121.27</b>

**DESCHAMPS**  
26.120.21 - 26.121.27



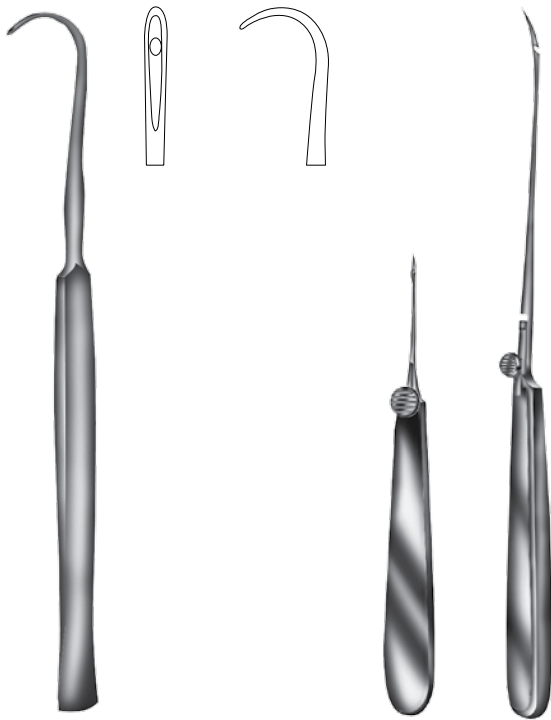
	<i>right</i>	<i>left</i>
13 cm	<b>26.130.13</b>	<b>26.131.13</b>

**KRONECKER**  
26.130.13 - 26.131.13



	<i>right</i>	<i>left</i>
24.5 cm	<b>26.133.24</b>	<b>26.135.24</b>

**NELSON**  
26.133.24 - 26.135.24



**COOPER**  
26.139.19  
19 cm

**REVERDIN**  
26.201.15 - 26.204.23

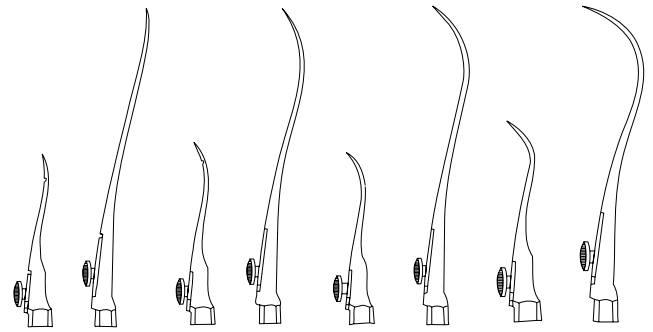


fig. 1

fig. 2

fig. 3

fig. 4

15 cm	<b>26.201.15</b>	<b>26.202.15</b>	<b>26.203.15</b>	<b>26.204.15</b>
19 cm	<b>26.201.19</b>	<b>26.202.19</b>	<b>26.203.19</b>	<b>26.204.19</b>
21 cm	<b>26.201.21</b>	<b>26.202.21</b>	<b>26.203.21</b>	<b>26.204.21</b>
23 cm	<b>26.201.23</b>	<b>26.202.23</b>	<b>26.203.23</b>	<b>26.204.23</b>

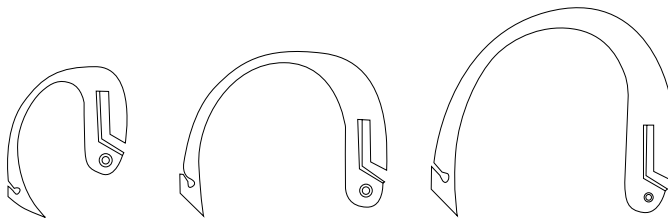


fig. 1

fig. 2

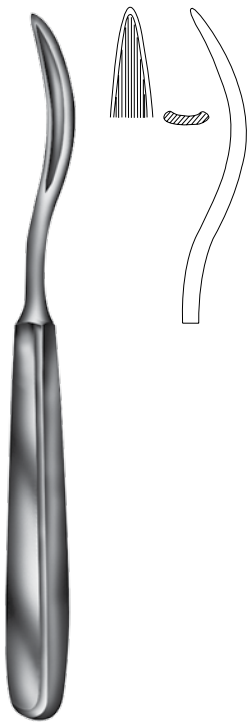
fig. 3

<b>26.240.01</b>	<b>26.240.02</b>	<b>26.240.03</b>
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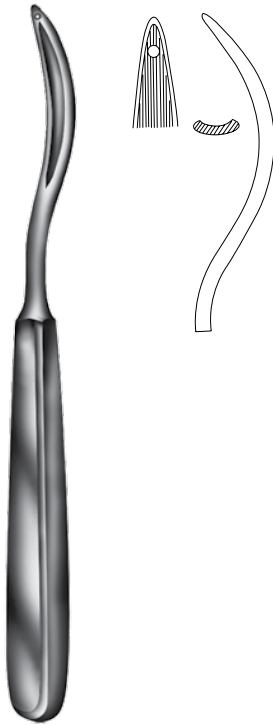


**YOUNG**  
26.240.00 - 26.240.03

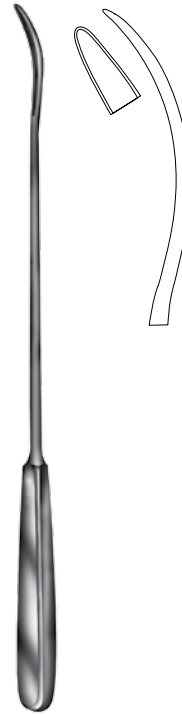




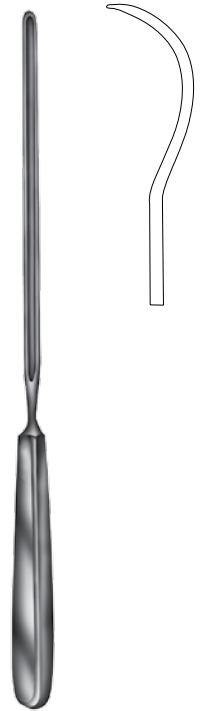
**SCHMIEDEN**  
26.271.19  
19 cm



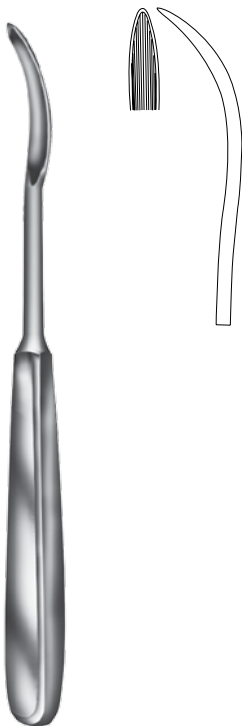
**SCHMIEDEN PAYR**  
26.273.19  
19 cm



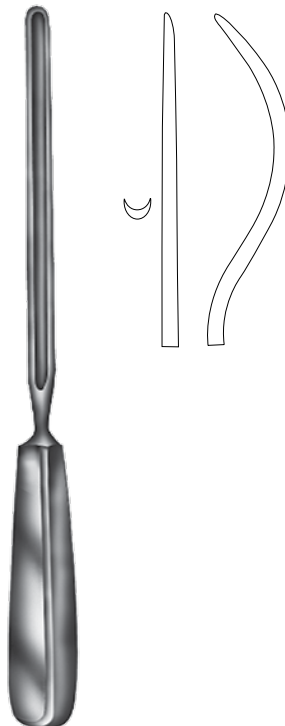
**BRUNNER**  
26.275.30  
30 cm



**KIRSCHNER**  
26.277.25  
25 cm



**KOENIG**  
26.285.20  
20 cm



**PAYR**  
26.288.22 - 26.289.22  
22 cm

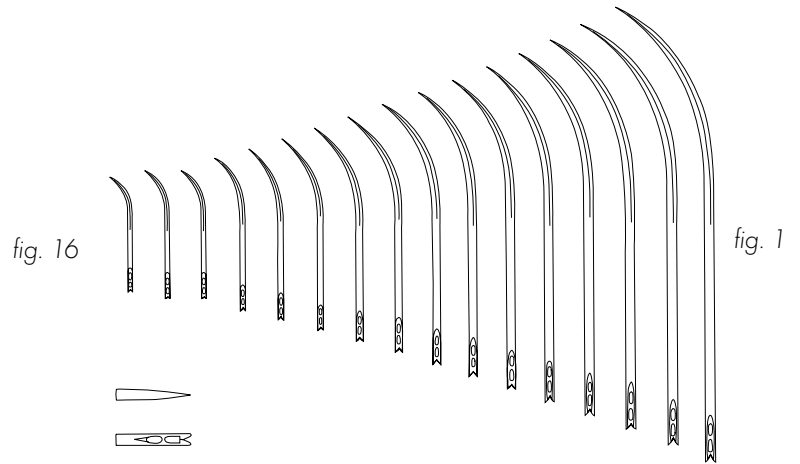


**BRUNNER**  
26.291.18 - 26.291.27

18 cm	<b>26.291.18</b>
27 cm	<b>26.291.27</b>

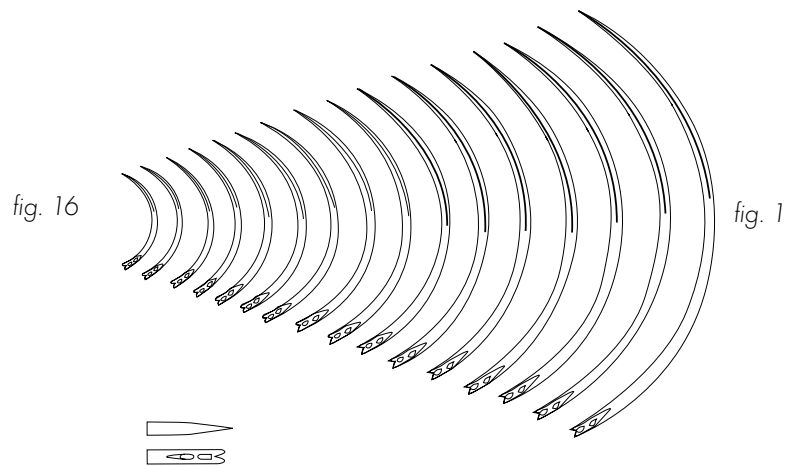


fig.	"A"	"B"	"G"
1	26.403.01	26.413.01	26.423.01
2	26.403.02	26.413.02	26.423.02
3	26.403.03	26.413.03	26.423.03
4	26.403.04	26.413.04	26.423.04
5	26.403.05	26.413.05	26.423.05
6	26.403.06	26.413.06	26.423.06
7	26.403.07	26.413.07	26.423.07
8	26.403.08	26.413.08	26.423.08
9	26.403.09	26.413.09	26.423.09
10	26.403.10	26.413.10	26.423.10
11	26.403.11	26.413.11	26.423.11
12	26.403.12	26.413.12	26.423.12
13	26.403.13	26.413.13	26.423.13
14	26.403.14	26.413.14	26.423.14
15	26.403.15	26.413.15	26.423.15
16	26.403.16	26.413.16	26.423.16



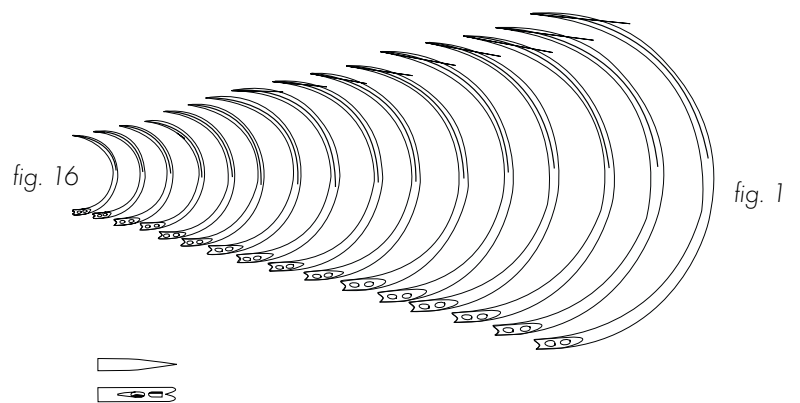
26.403.01 - 26.403.16

"A" triangle



26.413.01 - 26.413.16

"B" triangle



26.423.01 - 26.423.16

"G" triangle

fig.	"Ga"
1	26.433.01
2	26.433.02
3	26.433.03
4	26.433.04
5	26.433.05
6	26.433.06
7	26.433.07
8	26.433.08
9	26.433.09

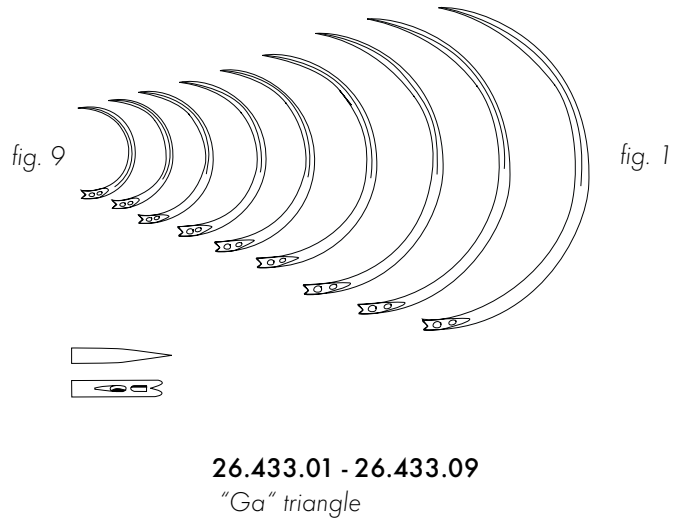


fig.	"hook"
1	26.441.01
2	26.441.02
3	26.441.03
4	26.441.04
5	26.441.05
6	26.441.06
7	26.441.07
8	26.441.08
9	26.441.09
10	26.441.10
11	26.441.11
12	26.441.12

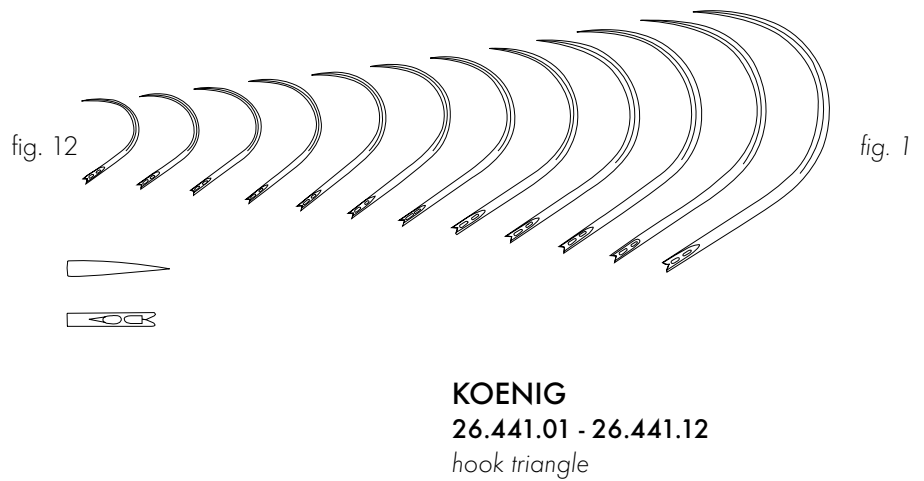
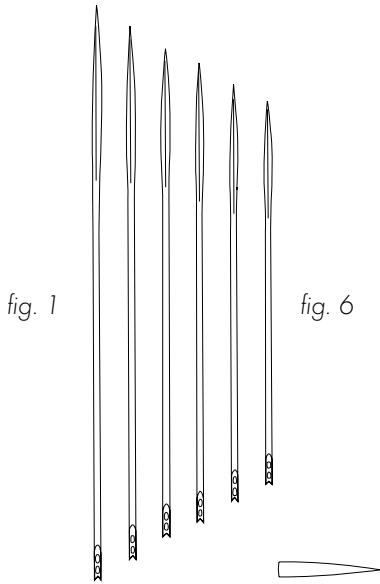


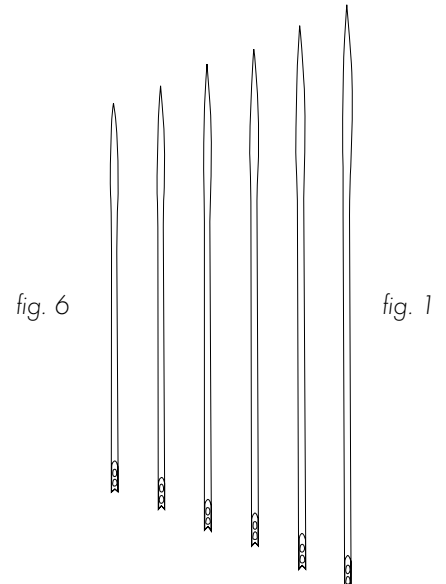
fig.	"E"
1	26.443.01
2	26.443.02
3	26.443.03
4	26.443.04
5	26.443.05
0	26.443.10
00	26.443.20
000	26.443.30



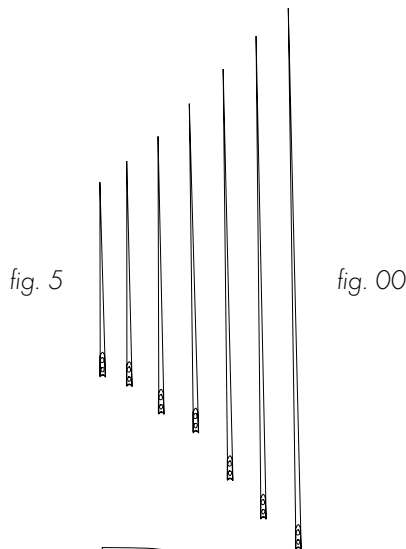


**KEITH**  
26.450.01 - 26.450.06  
triangle suture

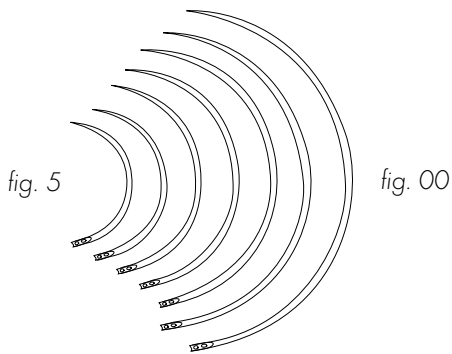
"triangle"	fig.	"round"
26.450.01	1	26.452.01
26.450.02	2	26.452.02
26.450.03	3	26.452.03
26.450.04	4	26.452.04
26.450.05	5	26.452.05
26.450.06	6	26.452.06



**KEITH**  
26.452.01 - 26.452.06  
round suture

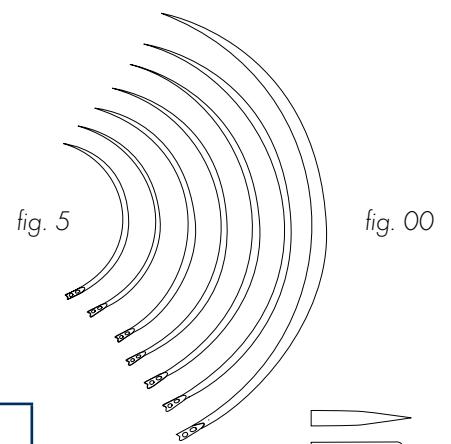


26.475.10 - 26.477.05  
"Pc" intestine, round



26.465.10 - 26.467.05  
"Pb" intestine, round

fig.	"Pb"	"Pc"	"Pd"
0	26.465.10	26.475.10	26.485.10
00	26.465.20	26.475.20	26.485.20
1	26.467.01	26.477.01	26.487.01
2	26.467.02	26.477.02	26.487.02
3	26.467.03	26.477.03	26.487.03
4	26.467.04	26.477.04	26.487.04
5	26.467.05	26.477.05	26.487.05



26.485.10 - 26.487.05  
"Pd" intestine, round



**MICHEL**  
26.610.12  
12 cm



**WACHENFELDT**  
26.612.12  
12 cm



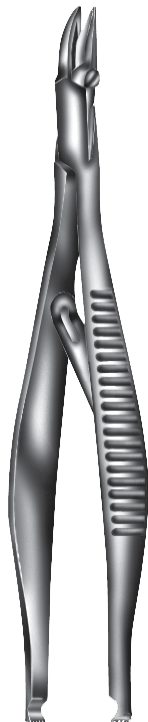
**WACHENFELDT**  
26.614.12  
12 cm



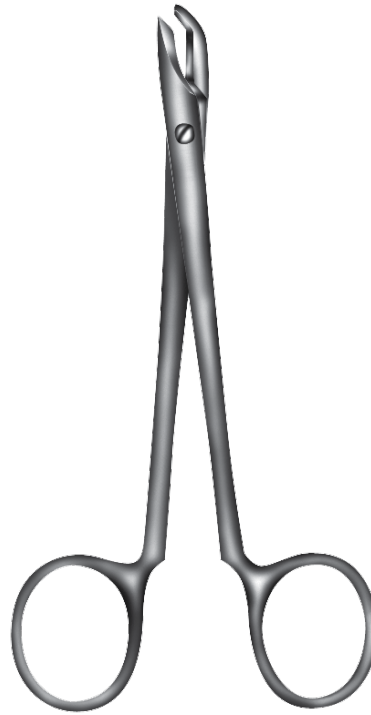
**HEGENBARTH**  
26.616.12  
12 cm



**CHILDE**  
26.620.18  
18 cm



**MICHEL**  
26.630.12 - 26.631.13  
12 cm



**COLLIN**  
26.640.13  
13 cm

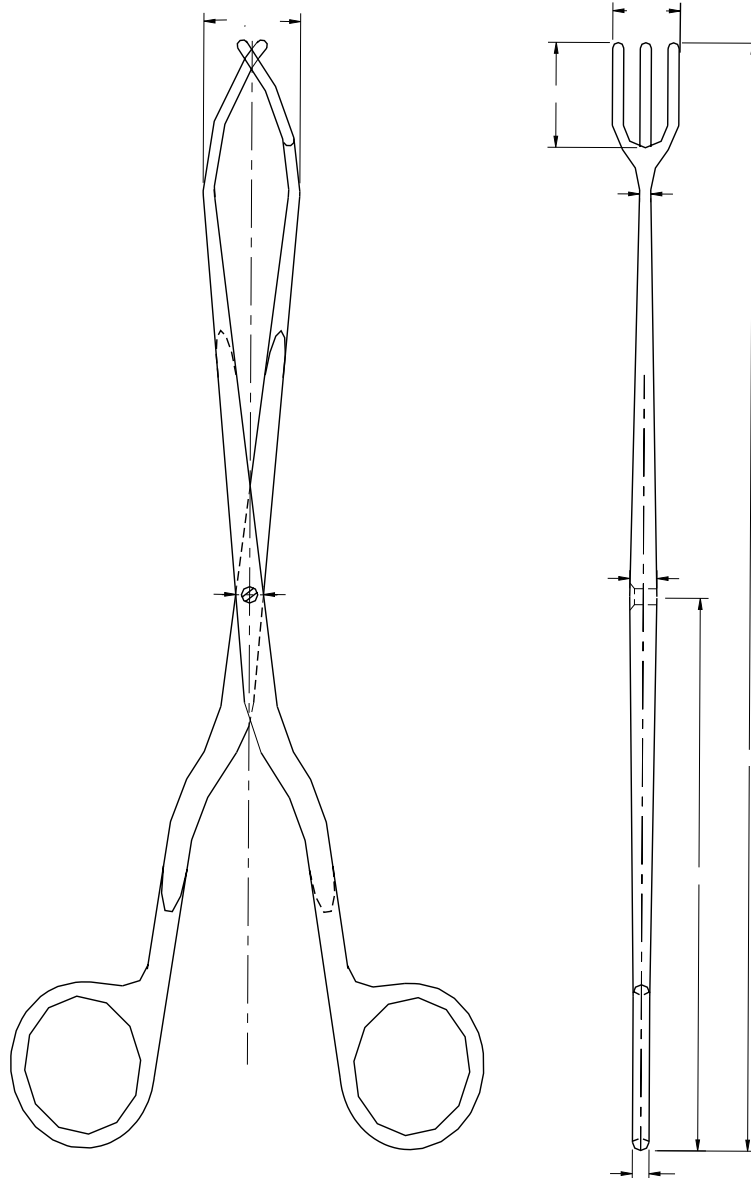


**RICHTER HEATH**  
26.642.14  
14 cm

# 28

## Sterilizing Sterilisierhilfen

Auxilios para Esterilización





16 cm	<b>28.102.16</b>
20 cm	<b>28.102.20</b>
24 cm	<b>28.102.24</b>

**DAVIS**  
28.102.16 - 28.102.24

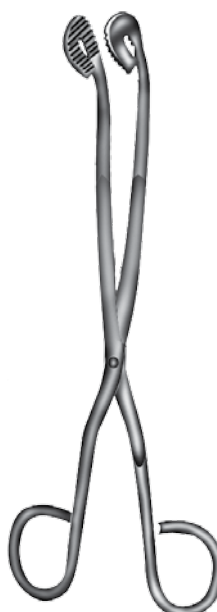


**CHEATLE**  
28.110.27  
27 cm



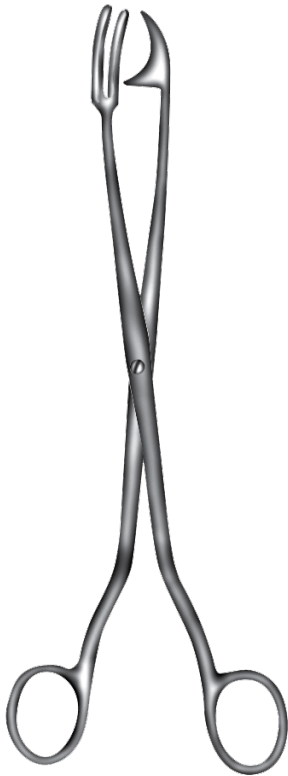
20 cm	<b>28.120.20</b>
28 cm	<b>28.120.28</b>

**UNIVERSAL**  
28.120.20 - 28.120.28

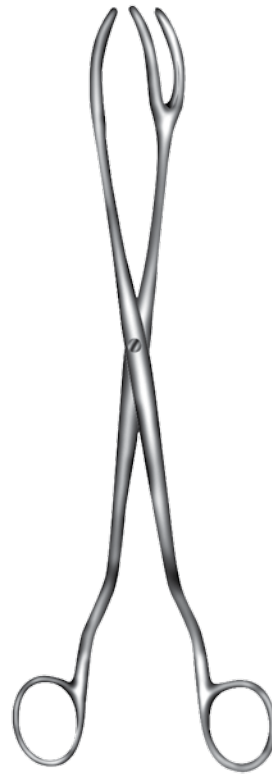


20 cm	<b>28.121.20</b>
28 cm	<b>28.121.28</b>

**UNIVERSAL**  
28.121.20 - 28.121.28



**ROGGE**  
28.130.23  
23 cm



20 cm	28.140.20
30 cm	28.140.30

28.140.20 - 28.140.30



**BUNT**  
28.150.12  
12 cm



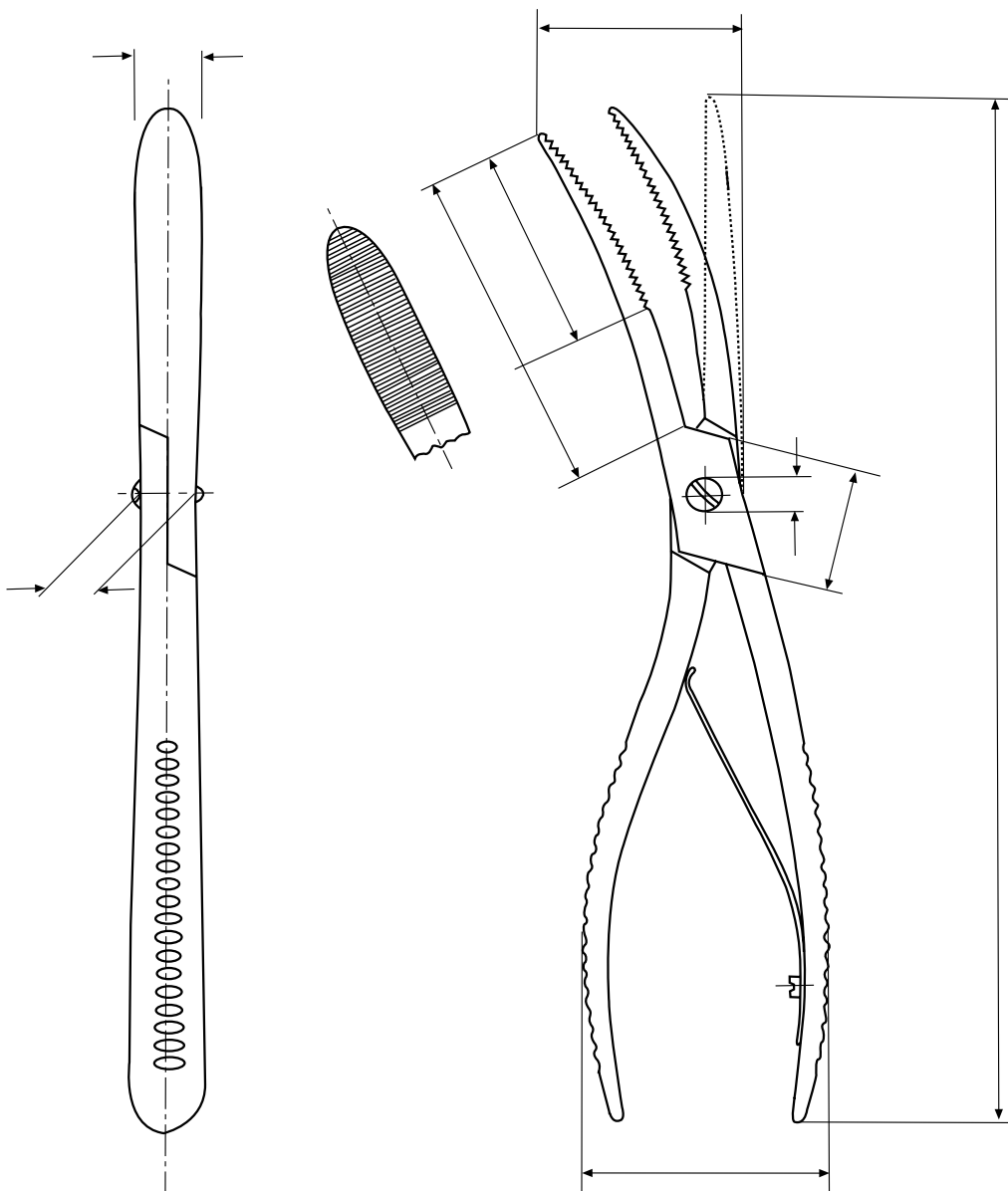
**MAYO**  
28.152.14  
14 cm





# 30

## Plaster - of - Paris Gipsverbände Vendajes Enyesados





**STILLE**  
30.101.24  
24 cm



**STILLE**  
30.103.23 - 30.103.37

23 cm	30.103.23
26 cm	30.103.26
37 cm	30.103.37



**SEUTIN**  
30.104.23  
23 cm



**WIGMORE**  
30.120.19  
19 cm



**ENGEL**  
30.130.14



**BERGMANN**  
30.134.18



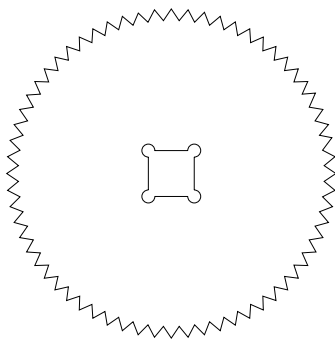
**DEWIMED**

**30.210.21**

110 V

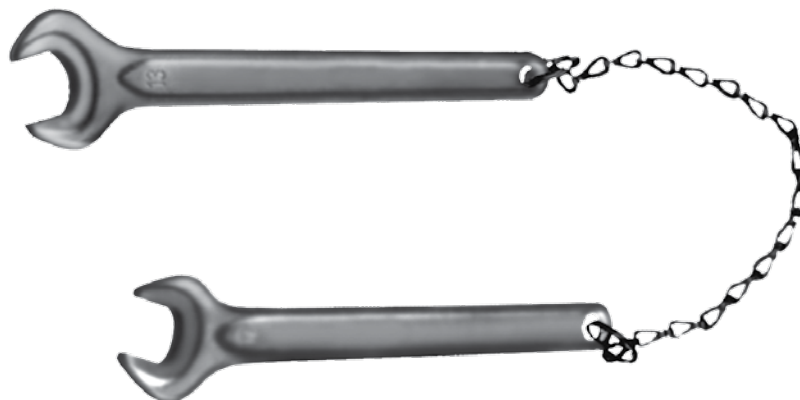
**30.210.22**

220 V



50 ø mm	<i>normal</i>	<b>30.210.50</b>
65 ø mm	<i>normal</i>	<b>30.210.65</b>
50 ø mm	<i>hard</i>	<b>30.211.50</b>
65 ø mm	<i>hard</i>	<b>30.211.65</b>

**30.210.50 - 30.211.65**



**30.212.02**



**HENNIG**  
30.350.28  
28 cm



**BEESON**  
30.360.30  
30 cm



**HAGLUND STILLE**  
30.362.28  
28 cm



**SEUTIN**  
30.366.23  
23 cm



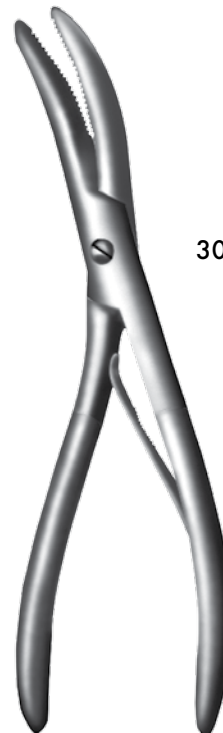
**HOPKINS**  
30.370.20  
20 cm



**ESMARCH**  
30.380.18  
18 cm



**REINER**  
30.390.18  
18 cm



**WOLFF**  
30.395.18 30.397.24  
18 cm 24 cm



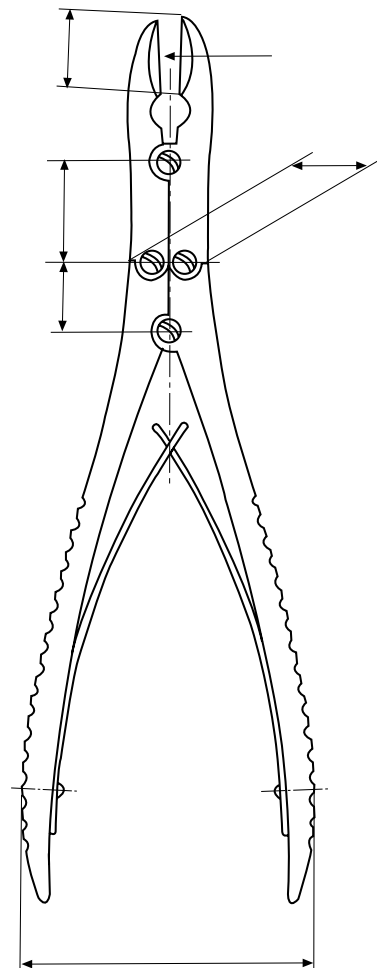
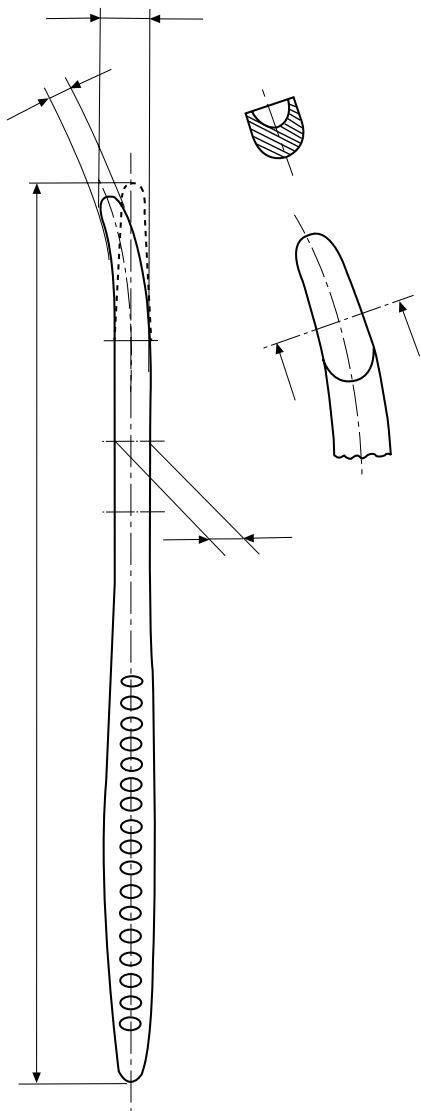
30.395.18



30.397.24

# 32

## Bone Surgery Knochenchirurgie Cirugía Ósea





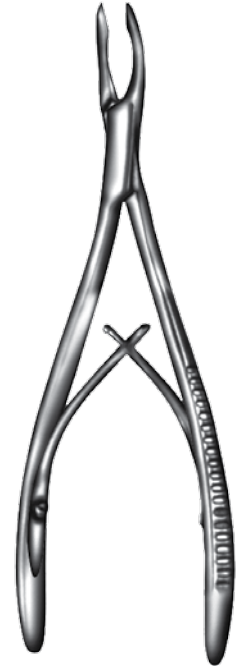
**FRIEDMAN mini**  
32.101.12  
12 cm



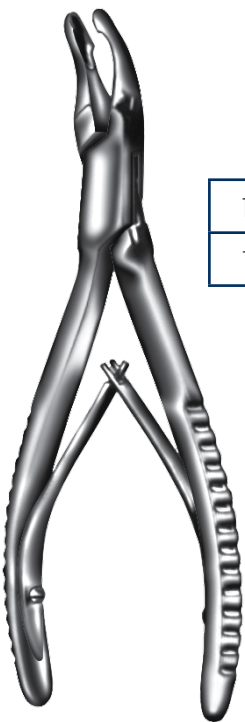
**FRIEDMAN**  
32.101.14  
14 cm



**FRIEDMAN**  
32.102.14  
14 cm



**FRIEDMAN**  
32.102.15  
15 cm



**CLEVELAND**  
32.103.14 - 32.105.17

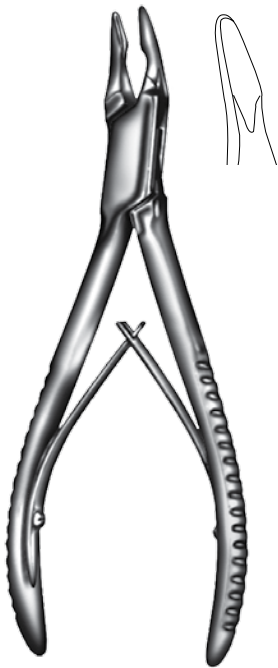
14 cm	<b>32.103.14</b>
17 cm	<b>32.105.17</b>



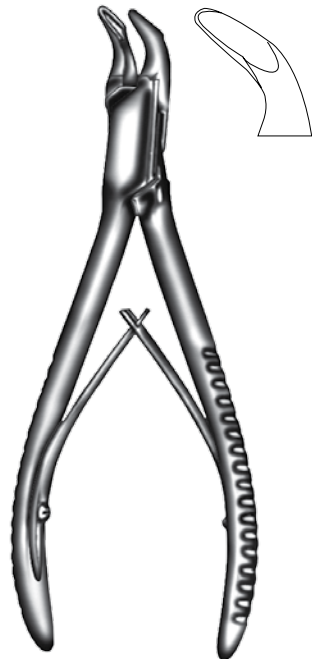
**MEAD**  
32.107.16  
16 cm



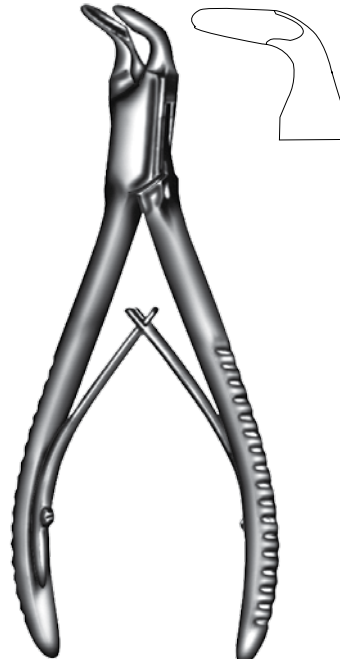
**MEAD**  
32.109.16  
16 cm



**BLUMENTHAL**  
**32.115.15**  
 15 cm



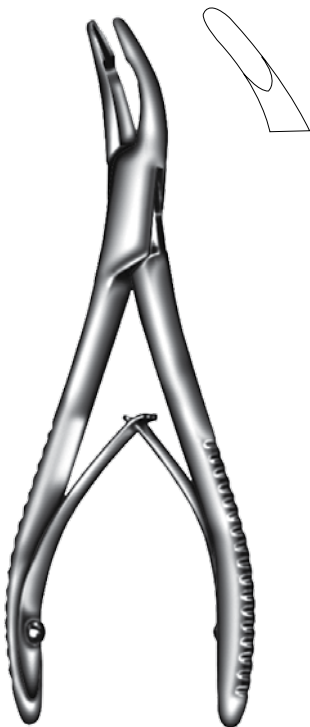
**BLUMENTHAL**  
**32.117.15**  
 15 cm



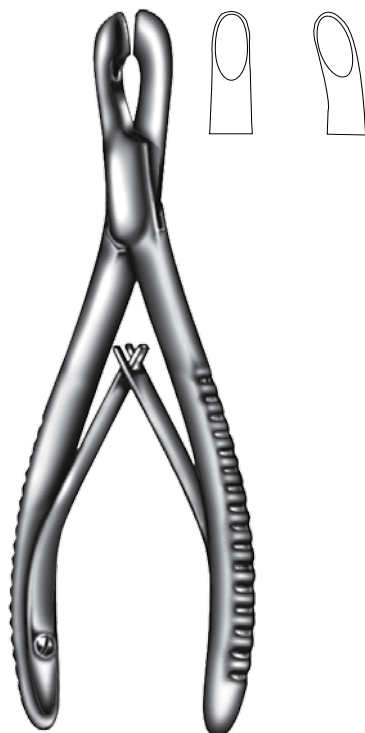
**BLUMENTHAL**  
**32.119.15**  
 15 cm



**LUER**  
**32.131.15**  
 15 cm



**LUER**  
**32.133.15**  
 15 cm



**LUER**  
**32.136.17 - 32.137.17**  
 17 cm

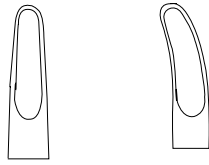


**ADSON**  
**32.142.20 - 32.143.20**  
 20 cm



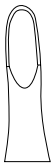
**OLIVECRONA**  
**32.147.20**  
 20 cm





16 cm	<b>32.150.16</b>	<b>32.151.16</b>
18.5 cm	<b>32.154.18</b>	<b>32.155.18</b>

**LEMPERT**  
32.150.16 - 32.155.18



**HAKANSSON**  
32.157.17  
17 cm

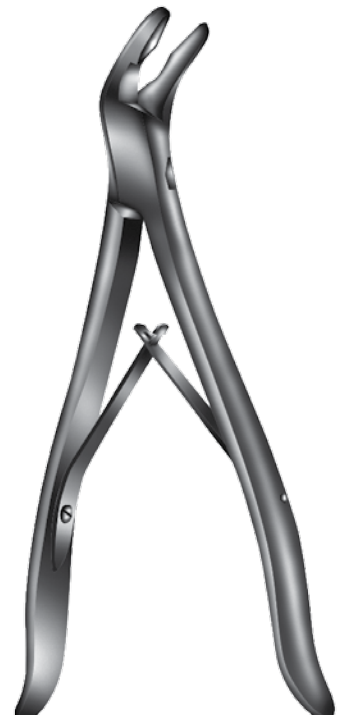


**BEYER**  
32.159.18  
18 cm



2 mm	<b>32.161.02</b>
3 mm	<b>32.161.03</b>

**BEYER**  
32.161.02 - 32.161.03  
17 cm

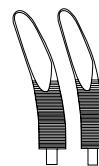


**BACON**  
32.165.20  
20 cm

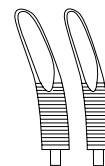


19 cm	<b>32.167.19</b>
20.5 cm	<b>32.169.20</b>

**JANSEN**  
 32.167.19 - 32.169.20



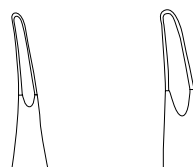
**BEYER**  
 32.201.18  
 18 cm



**ZAUFAL JANSEN**  
 32.205.18  
 18 cm



**MAYFIELD**  
 32.207.17  
 17 cm

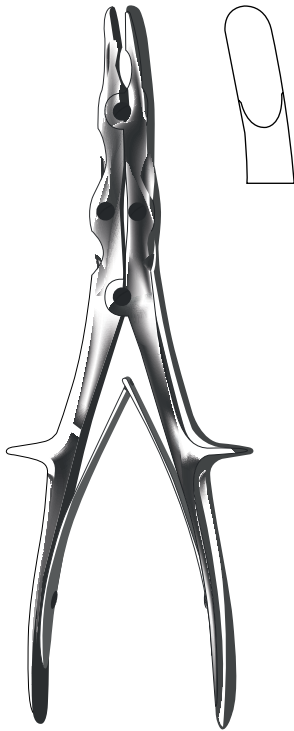


2 mm	<b>32.210.15</b>	<b>32.211.15</b>
3 mm	<b>32.212.15</b>	<b>32.213.15</b>

**BOEHLER**  
 32.210.15 - 32.213.15  
 15 cm



**RUSKIN**  
 32.216.18  
 18 cm



**STILLE - RUSKIN**  
**32.216.23**  
18 cm



**RUSKIN**  
**32.217.18**  
18 cm



**RUSKIN**  
**32.219.23**  
23 cm

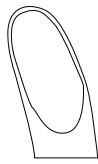
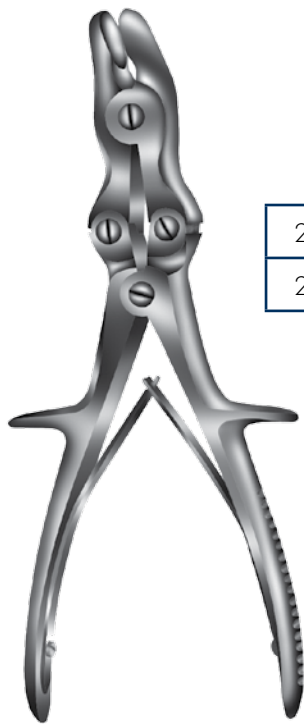


**RUSKIN**  
**32.221.18**  
18 cm



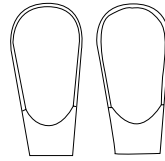
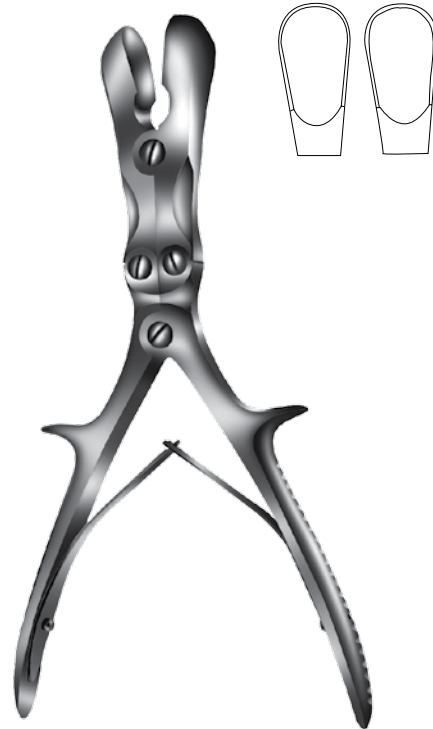
**STILLE LUER**  
**32.230.22 - 32.230.26**

22 cm	<b>32.230.22</b>
26 cm	<b>32.230.26</b>

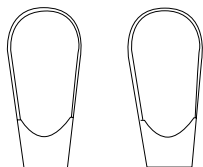


22 cm	<b>32.231.22</b>
26 cm	<b>32.231.26</b>

**STILLE LUER**  
 32.231.22 - 32.231.26



**STILLE LUER**  
 32.232.23  
 23 cm

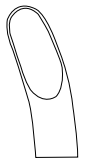


23 cm	<b>32.233.23</b>
27 cm	<b>32.233.27</b>

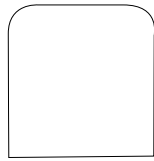
**STILLE LUER**  
 32.233.23 - 32.233.27



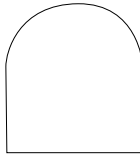
**STILLE LUER**  
 32.235.23  
 23 cm



**STILLE RUSKIN**  
 32.237.23  
 23 cm



**32.241.30**  
20 mm



**32.243.30**  
30 mm



8 mm

**32.245.23**

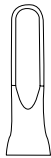
5 mm

**32.247.23**



**SAUERBRUCH**  
32.241.30 - 32.243.30  
30 cm

**LEKSELL STILLE**  
32.245.23 - 32.247.23  
23 cm



**32.249.05**



**32.249.08**

5 mm

**32.249.05**

8 mm

**32.249.08**



*right*

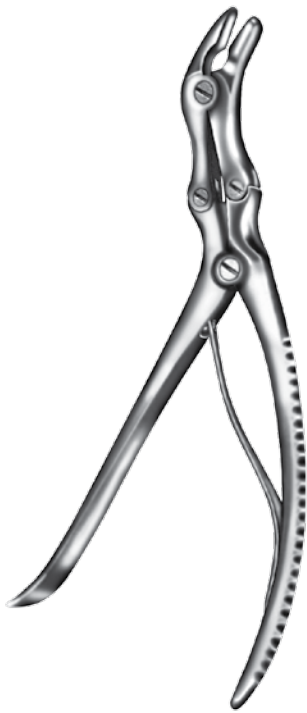
**32.251.26**

*left*

**32.253.26**

**LESKELL**  
32.249.05 - 32.249.08  
23 cm

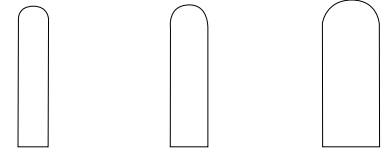
**SCAGLIETTI**  
32.251.26 - 32.253.26  
26 cm



**FRYKHOLM**  
32.255.24  
24 cm



**ECHILIN**  
32.259.02 - 32.259.04  
23 cm

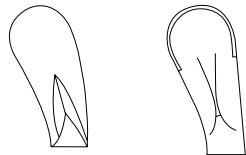


32.259.02    32.259.03    32.259.04

2 mm	32.259.02
3 mm	32.259.03
4 mm	32.259.04



**LEKSELL STILLE**  
32.261.22 - 32.261.27

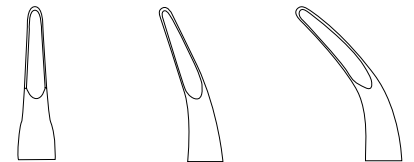


32.261.22    32.261.27

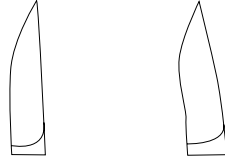
22.5 cm	32.261.22
27.0 cm	32.261.27



**SMITH PETERSEN**  
32.262.24 - 32.265.24  
24 cm  
3 mm

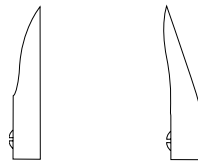


32.262.24    32.263.24    32.265.24



14 cm	<b>32.274.14</b>	<b>32.275.14</b>
17 cm	<b>32.274.17</b>	<b>32.275.17</b>
19 cm	<b>32.274.19</b>	<b>32.275.19</b>
22 cm	<b>32.274.22</b>	<b>32.275.22</b>

**LISTON**  
32.274.14 - 32.275.22



15 cm	<b>32.280.15</b>	<b>32.281.15</b>
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**BOEHLER**  
32.280.15 - 32.281.15



**COTTLE KAZANJIAN**  
32.282.19  
19 cm





32.289.18

**RUSKIN LISTON**  
 32.286.18 - 32.289.18  
 18.5 cm



32.291.27

**STILLE LISTON**  
 32.290.27 - 32.291.27  
 27 cm



**STILLE HORSLEY**  
 32.293.27  
 27 cm



**SEMB**  
 32.295.24  
 24 cm

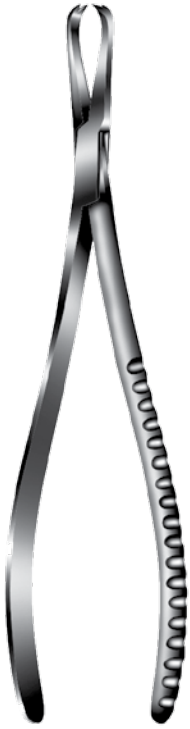


**FERGUSSON**  
 32.360.21  
 21 cm



**LANGENBECK**  
 32.362.21  
 21 cm





**32.364.20**  
20 cm



**SEMB**  
**32.365.19**  
19 cm



**FARABEUF**  
**32.366.23 - 32.366.26**

23 cm	<b>32.366.23</b>
26 cm	<b>32.366.26</b>

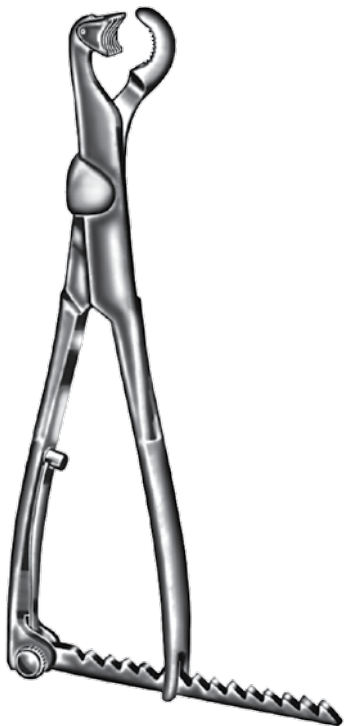


**FARABEUF LAMBOTTE**  
**32.368.26**  
26 cm



**LAMBOTTE**  
**32.370.22 - 32.370.30**

22 cm	<b>32.370.22</b>
27 cm	<b>32.370.27</b>
30 cm	<b>32.370.30</b>



22 cm	<b>32.372.22</b>
26 cm	<b>32.372.26</b>
33 cm	<b>32.372.33</b>

**LAMBOTTE**  
 32.372.22 - 32.372.33



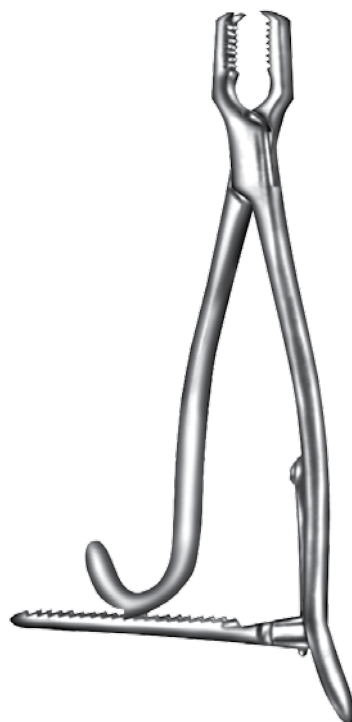
19 cm	<b>32.373.19</b>
23 cm	<b>32.373.23</b>
26 cm	<b>32.373.26</b>

**LAMBOTTE**  
 32.373.19 - 32.373.26



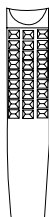
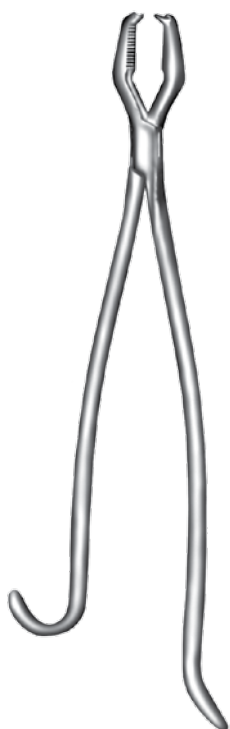
15 cm	<b>32.378.15</b>
17 cm	<b>32.378.17</b>
21 cm	<b>32.378.21</b>

**KERN**  
 32.378.15 - 32.378.21



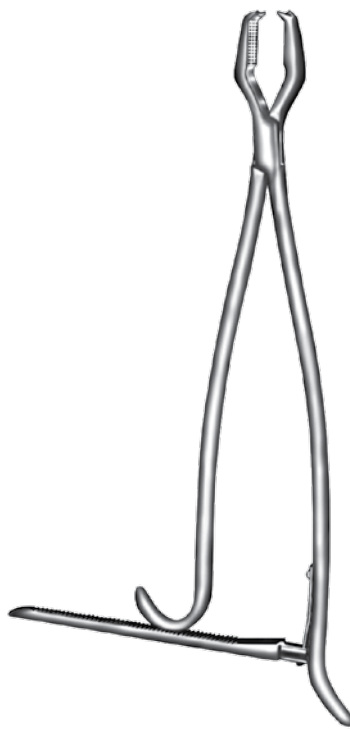
15 cm	<b>32.380.15</b>
17 cm	<b>32.380.17</b>
21 cm	<b>32.380.21</b>

**KERN**  
 32.380.15 - 32.380.21



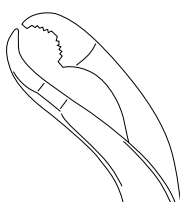
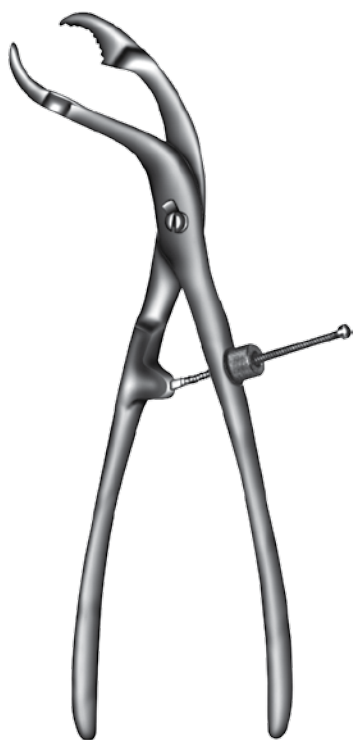
33 cm	<b>32.382.33</b>
45 cm	<b>32.382.45</b>

**LANE**  
32.382.33 - 32.382.45



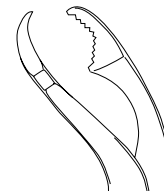
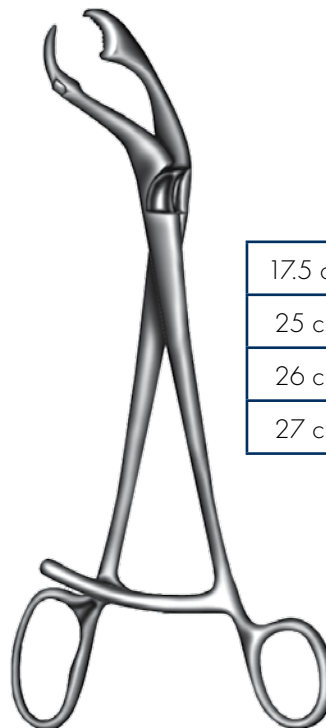
33 cm	<b>32.384.33</b>
45 cm	<b>32.384.45</b>

**LANE**  
32.384.33 - 32.384.45



15 cm	<b>32.391.15</b>
19 cm	<b>32.391.19</b>
24 cm	<b>32.391.24</b>
26 cm	<b>32.391.26</b>
28 cm	<b>32.391.28</b>

**VERBRUGGE**  
32.391.15 - 32.391.28



17.5 cm	<b>32.395.17</b>
25 cm	<b>32.395.25</b>
26 cm	<b>32.395.26</b>
27 cm	<b>32.395.27</b>

**VERBRUGGE**  
32.395.17 - 32.395.27



**LEWIN**  
 32.402.17  
 17.5 cm



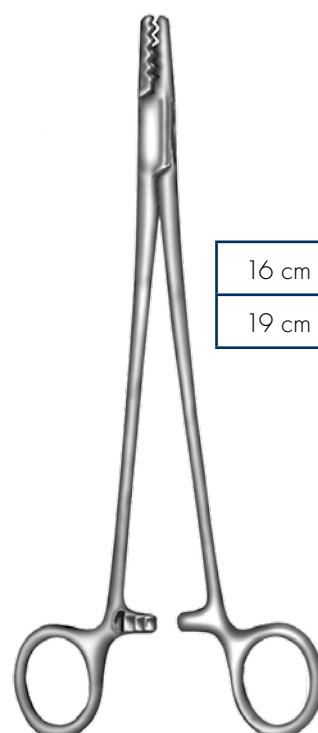
**BIRCHER GANSKE**  
 32.404.20 - 32.405.20  
 20 cm



**DINGMANN**  
 32.407.19  
 19 cm



**32.409.13**  
 13.5 cm



**MARTIN**  
 32.410.16 - 32.410.19

16 cm	<b>32.410.16</b>
19 cm	<b>32.410.19</b>



**32.411.20**  
20.5 cm



**32.420.20**  
20 cm



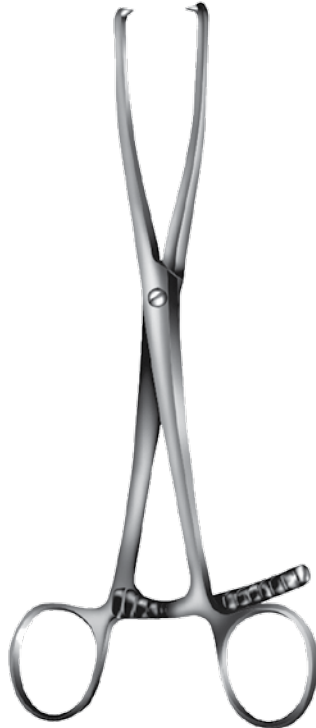
**32.421.20**  
20 cm



**VAN BUREN**  
**32.423.23**  
23 cm



**32.432.18**  
18.5 cm

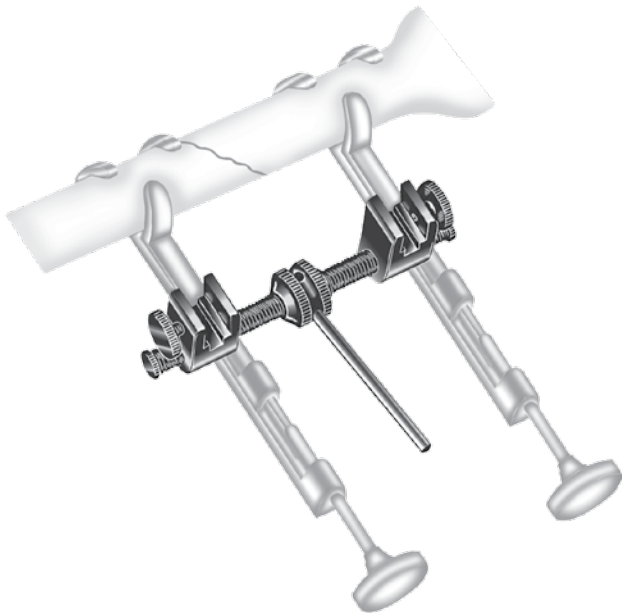


**32.436.21**  
21 cm



**LOWMAN**  
**32.441.13 - 32.441.20**

13 cm	<b>32.441.13</b>
18.5 cm	<b>32.441.18</b>
20 cm	<b>32.441.20</b>



**GERSTER**  
32.444.15



**PARHAM**  
32.446.24  
24 cm













18 cm	<b>32.448.18</b>
30 cm	<b>32.448.30</b>

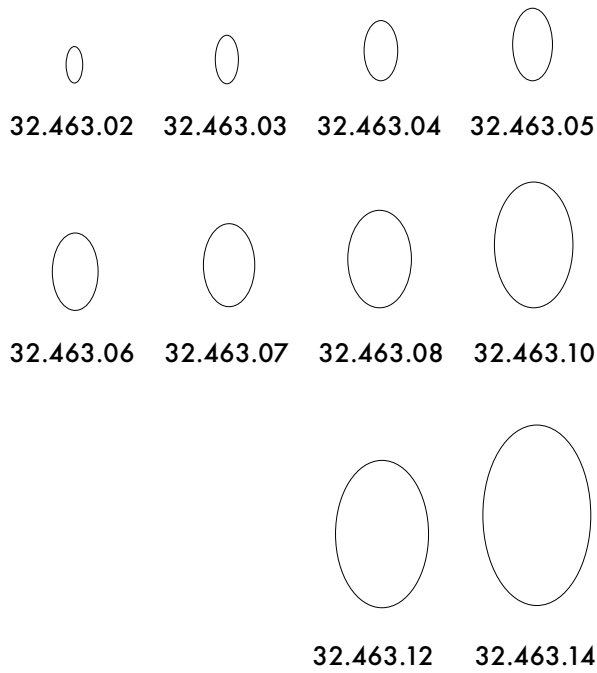
**PARHAM**  
32.448.18 - 32.448.30



**MOD. SUECO**  
32.462.02 - 32.462.14

	
<b>32.462.07</b>	<b>32.462.02</b>
	
<b>32.462.08</b>	<b>32.462.03</b>
	
<b>32.462.10</b>	<b>32.462.04</b>
	
<b>32.462.12</b>	<b>32.462.05</b>
	
<b>32.462.14</b>	<b>32.462.06</b>

2 mm	<b>32.462.02</b>	17 cm
3 mm	<b>32.462.03</b>	17 cm
4 mm	<b>32.462.04</b>	17 cm
5 mm	<b>32.462.05</b>	17.5 cm
6 mm	<b>32.462.06</b>	17.5 cm
7 mm	<b>32.462.07</b>	18 cm
8 mm	<b>32.462.08</b>	18 cm
10 mm	<b>32.462.10</b>	18 cm
12 mm	<b>32.462.12</b>	20 cm
14 mm	<b>32.462.14</b>	20 cm



2 mm	<b>32.463.02</b>	18 cm
3 mm	<b>32.463.03</b>	18 cm
4 mm	<b>32.463.04</b>	18.5 cm
5 mm	<b>32.463.05</b>	18.5 cm
6 mm	<b>32.463.06</b>	18.5 cm
7 mm	<b>32.463.07</b>	19 cm
8 mm	<b>32.463.08</b>	20 cm
10 mm	<b>32.463.10</b>	21 cm
12 mm	<b>32.463.12</b>	21 cm
14 mm	<b>32.463.14</b>	22 cm

**SWEDEN**  
32.463.02 - 32.463.14

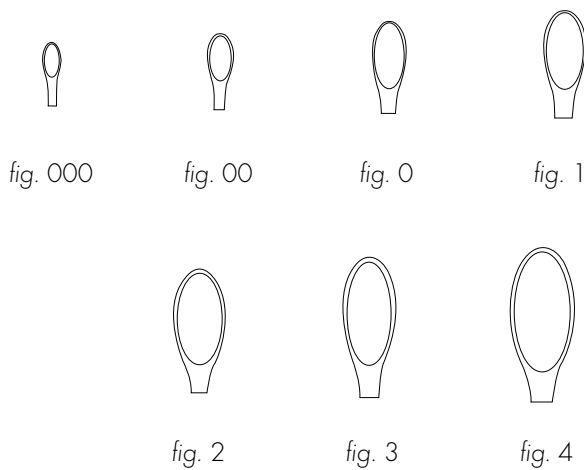


fig. 000	<b>32.467.97</b>
fig. 00	<b>32.467.98</b>
fig. 0	<b>32.468.00</b>
fig. 1	<b>32.468.01</b>
fig. 2	<b>32.468.02</b>
fig. 3	<b>32.468.03</b>
fig. 4	<b>32.468.04</b>

**SCHEDE**  
32.467.97 - 32.468.04  
17 cm

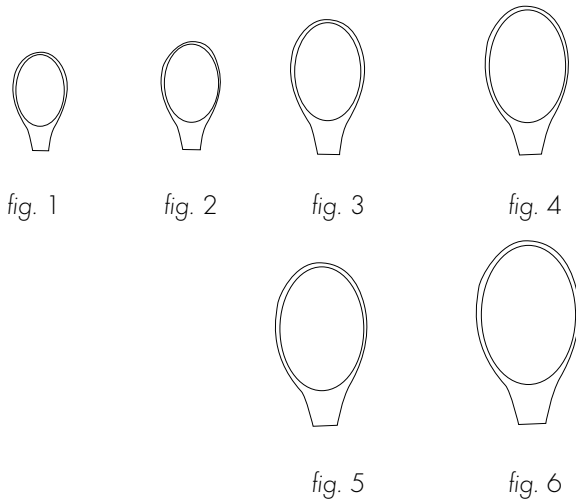
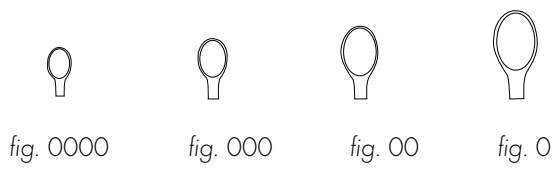


fig. 0000	32.469.96
fig. 000	32.469.97
fig. 00	32.467.98
fig. 0	32.470.00
fig. 1	32.470.01
fig. 2	32.470.02
fig. 3	32.470.03
fig. 4	32.470.04
fig. 5	32.470.05
fig. 6	32.470.06

**VOLKMANN**  
 32.469.96 - 32.470.06  
 17 cm

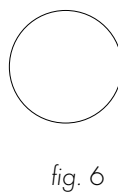
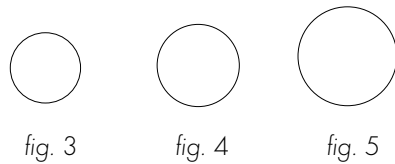
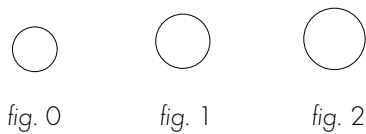
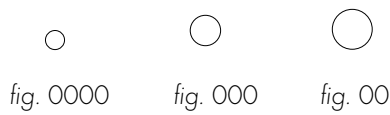


fig. 0000	32.471.96
fig. 000	32.471.97
fig. 00	32.471.98
fig. 0	32.472.00
fig. 1	32.472.01
fig. 2	32.472.02
fig. 3	32.472.03
fig. 4	32.472.04
fig. 5	32.472.05
fig. 6	32.472.06

**BRUNS**  
 32.471.96 - 32.472.06  
 17 cm



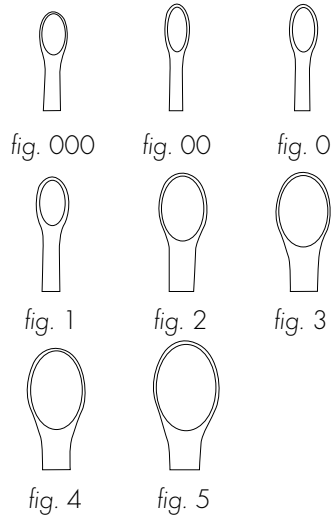
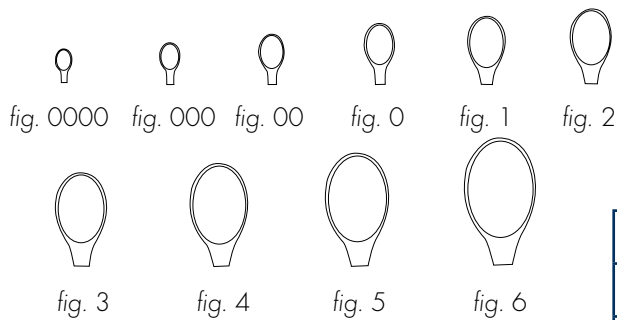


fig. 000	<b>32.474.97</b>
fig. 00	<b>32.474.98</b>
fig. 0	<b>32.475.00</b>
fig. 1	<b>32.475.01</b>
fig. 2	<b>32.475.02</b>
fig. 3	<b>32.475.03</b>
fig. 4	<b>32.475.04</b>
fig. 5	<b>32.475.05</b>

**SPRATT**  
**32.474.97 - 32.475.05**  
18 cm



<b>32.476.96</b>	fig. 0000	<b>32.478.96</b>
<b>32.476.97</b>	fig. 000	<b>32.478.97</b>
<b>32.476.98</b>	fig. 00	<b>32.478.98</b>
<b>32.477.00</b>	fig. 0	<b>32.479.00</b>
<b>32.477.01</b>	fig. 1	<b>32.479.01</b>
<b>32.477.02</b>	fig. 2	<b>32.479.02</b>
<b>32.477.03</b>	fig. 3	<b>32.479.03</b>
<b>32.477.04</b>	fig. 4	<b>32.479.04</b>
<b>32.477.05</b>	fig. 5	<b>32.479.05</b>
<b>32.477.06</b>	fig. 6	<b>32.479.06</b>

**BRUNS**  
**32.476.96 - 32.479.06**  
23 cm



**BRUNS**  
32.478.96 - 32.479.06  
23 cm



**BRUNS**  
32.480.97 - 32.481.06  
23 cm

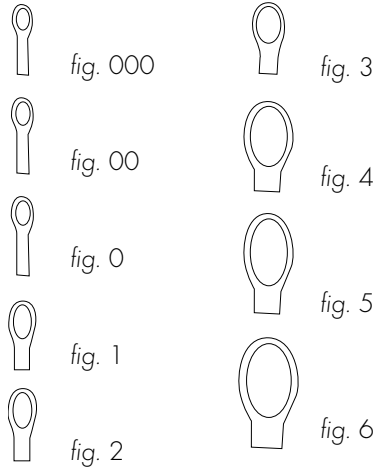


fig. 000	32.480.97
fig. 00	32.480.98
fig. 0	32.481.00
fig. 1	32.481.01
fig. 2	32.481.02
fig. 3	32.481.03
fig. 4	32.481.04
fig. 5	32.481.05
fig. 6	32.481.06



**SIMON**  
32.485.01 - 32.485.06  
24 cm



fig. 1	32.485.01
fig. 2	32.485.02
fig. 3	32.485.03
fig. 4	32.485.04
fig. 5	32.485.05
fig. 6	32.485.06



**DAUBENSPECK**  
32.486.99 - 32.487.02  
17.5 cm

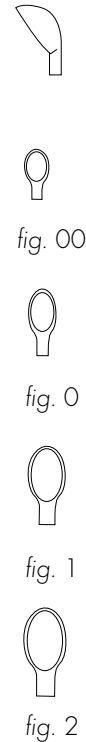


fig. 00	32.486.99
fig. 0	32.487.00
fig. 1	32.487.01
fig. 2	32.487.02

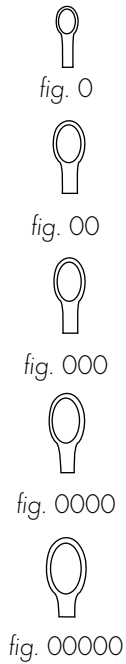


fig. 0	<b>32.490.10</b>
fig. 00	<b>32.490.20</b>
fig. 000	<b>32.490.30</b>
fig. 0000	<b>32.490.40</b>
fig. 00000	<b>32.490.50</b>

**LEMPERT**  
32.490.10 - 32.490.50  
17.5 cm



fig. 1	<b>32.491.01</b>
fig. 2	<b>32.491.02</b>
fig. 3	<b>32.491.03</b>

**HALLE**  
32.491.01 - 32.491.03  
21 cm



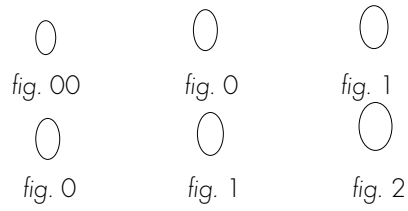
13 cm	<b>32.492.13</b>
16 cm	<b>32.492.16</b>
20 cm	<b>32.492.20</b>

**VOLKMANN**  
32.492.13 - 32.492.20



13 cm	<b>32.494.13</b>
16 cm	<b>32.494.14</b>
20 cm	<b>32.494.17</b>

**VOLKMANN**  
32.494.13 - 32.494.17

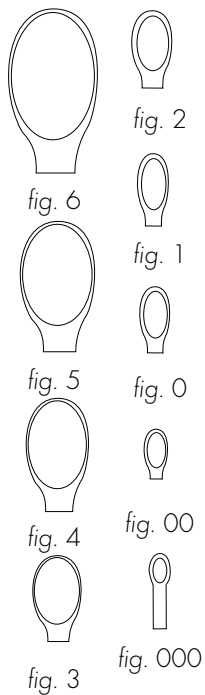


<b>32.496.00</b>	<i>fig. 00 / 0</i>	<b>32.498.00</b>
<b>32.496.01</b>	<i>fig. 0 / 1</i>	<b>32.498.01</b>
<b>32.496.12</b>	<i>fig. 1 / 2</i>	<b>32.498.12</b>

**WILLIGER**  
**32.496.00 - 32.496.12**  
 13.5 cm



**MARTINI**  
**32.498.00 - 32.498.12**  
 13.5 cm



<i>fig. 000</i>	<b>32.501.00</b>
<i>fig. 00</i>	<b>32.502.00</b>
<i>fig. 0</i>	<b>32.503.00</b>
<i>fig. 1</i>	<b>32.503.01</b>
<i>fig. 2</i>	<b>32.503.02</b>
<i>fig. 3</i>	<b>32.503.03</b>
<i>fig. 4</i>	<b>32.503.04</b>
<i>fig. 5</i>	<b>32.503.05</b>
<i>fig. 6</i>	<b>32.503.06</b>

**COBB**  
**32.501.00 - 32.503.06**  
 28 cm



**32.502.21**  
 21 cm

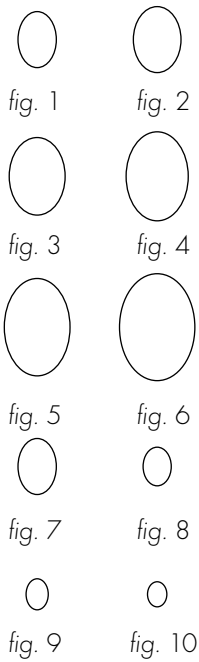


fig. 1	<b>32.504.01</b>
fig. 2	<b>32.504.02</b>
fig. 3	<b>32.504.03</b>
fig. 4	<b>32.504.04</b>
fig. 5	<b>32.504.05</b>
fig. 6	<b>32.504.06</b>
fig. 7	<b>32.504.10</b>
fig. 8	<b>32.504.20</b>
fig. 9	<b>32.504.30</b>
fig. 10	<b>32.504.40</b>

**VOLKMANN**  
**32.504.01 - 32.504.40**

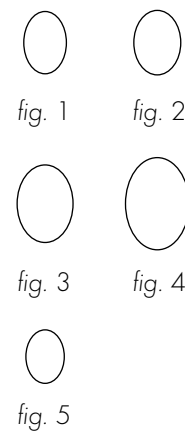
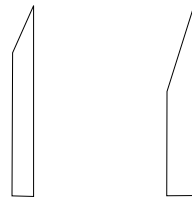


fig. 1	<b>32.505.01</b>
fig. 2	<b>32.505.02</b>
fig. 3	<b>32.505.03</b>
fig. 4	<b>32.505.04</b>
fig. 5	<b>32.505.10</b>

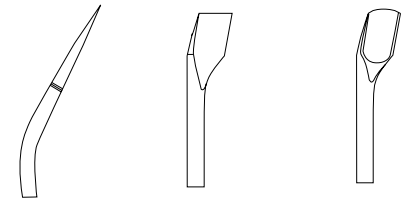
**VOLKMANN**  
**32.505.01 - 32.505.10**



**32.560.20**   **32.561.16**

24 cm	20 mm	<b>32.560.20</b>
26 cm	16 mm	<b>32.561.16</b>

**DEWIMED**  
**32.560.20 - 32.561.16**



10 mm	<b>32.563.10</b>	<b>32.565.10</b>
15 mm	<b>32.563.15</b>	<b>32.565.15</b>

**LEXER**  
**32.563.10 - 32.565.15**  
28 cm



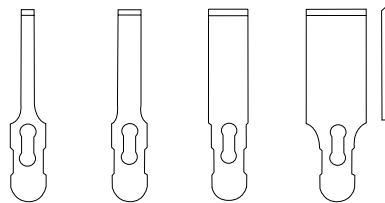
5 mm	<b>32.570.05</b>
9 mm	<b>32.570.09</b>



	<i>Curved forth</i>	<i>Curved back</i>	<i>straight</i>
9 mm	<b>32.571.09</b>	<b>32.573.09</b>	<b>32.575.09</b>
15 mm	<b>32.571.15</b>	<b>32.573.15</b>	<b>32.575.15</b>
30 mm	<b>32.571.30</b>	<b>32.573.30</b>	<b>32.575.30</b>

**LEXER**  
32.570.05 - 32.570.09  
28.5 cm

**WARNER**  
32.571.09 - 32.575.30



5 mm	<b>32.580.05</b>
10 mm	<b>32.580.10</b>
16 mm	<b>32.580.16</b>
25 mm	<b>32.580.25</b>
25 x 78 mm	<b>32.580.78</b>
25 r = 5 mm	<b>32.581.50</b>
25 r = 6 mm	<b>32.581.60</b>
25 r = 7 mm	<b>32.581.70</b>

**HANDPIECE ONLY**  
32.580.00  
18 cm

**BLADES**  
32.580.05 - 32.581.70



2 mm	<b>32.582.02</b>
3 mm	<b>32.582.03</b>
4 mm	<b>32.582.04</b>
5 mm	<b>32.582.05</b>
6 mm	<b>32.582.06</b>
8 mm	<b>32.582.08</b>
10 mm	<b>32.582.010</b>

**MAZO**  
32.582.02 - 32.582.10  
15.5 cm

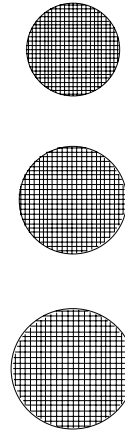


3 mm	<b>32.584.03</b>
5 mm	<b>32.584.05</b>
8 mm	<b>32.584.08</b>

**CASPAR**

**32.584.03 - 32.584.08**

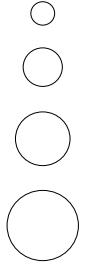
20 cm



12 mm	<b>32.586.12</b>
14 mm	<b>32.586.14</b>
16 mm	<b>32.586.16</b>

**32.586.12 - 32.586.16**

20 cm



3 mm	<b>32.588.03</b>
5 mm	<b>32.588.05</b>
7 mm	<b>32.588.07</b>
9 mm	<b>32.588.09</b>

**32.588.03 - 32.588.09**

16 cm



8 mm	<b>32.602.08</b>
10 mm	<b>32.602.10</b>
12 mm	<b>32.602.12</b>
14 mm	<b>32.602.14</b>
16 mm	<b>32.602.16</b>

**32.602.08 - 32.602.16**

13.5 cm



8 mm	<b>32.604.08</b>
10 mm	<b>32.604.10</b>
12 mm	<b>32.604.12</b>
14 mm	<b>32.604.14</b>
16 mm	<b>32.604.16</b>

**32.604.08 - 32.604.16**

13.5 cm



8 mm	<b>32.605.08</b>
10 mm	<b>32.605.10</b>
12 mm	<b>32.605.12</b>
14 mm	<b>32.605.14</b>
16 mm	<b>32.605.16</b>

**32.605.08 - 32.605.16**

13.5 cm



**32.610.04**  
4 mm



**32.610.06**  
6 mm



**32.610.08**  
8 mm



**32.610.10**  
10 mm



**32.610.12**  
12 mm



**32.610.14**  
14 mm

**ALEXANDER**  
32.610.04 - 32.610.14  
17 cm



4 mm	<b>32.611.04</b>
6 mm	<b>32.611.06</b>
8 mm	<b>32.611.08</b>
10 mm	<b>32.611.10</b>
12 mm	<b>32.611.12</b>
14 mm	<b>32.611.14</b>

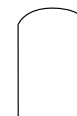
**ALEXANDER**  
32.611.04 - 32.611.14  
17 cm



13.5 cm      17 cm

2 mm	<b>32.620.02</b>	<b>32.622.02</b>
3 mm	<b>32.620.03</b>	<b>32.622.03</b>
4 mm	<b>32.620.04</b>	<b>32.622.04</b>
5 mm	<b>32.620.05</b>	<b>32.622.05</b>
6 mm	<b>32.620.06</b>	<b>32.622.06</b>
7 mm	<b>32.620.07</b>	<b>32.622.07</b>
8 mm	<b>32.620.08</b>	<b>32.622.08</b>
10 mm	<b>32.620.10</b>	<b>32.622.10</b>
12 mm	<b>32.620.12</b>	<b>32.622.12</b>

**PARTSCH**  
32.620.02 - 32.622.12



13.5 cm      17 cm

2 mm	<b>32.623.02</b>	<b>32.625.02</b>
3 mm	<b>32.623.03</b>	<b>32.625.03</b>
4 mm	<b>32.623.04</b>	<b>32.625.04</b>
5 mm	<b>32.623.05</b>	<b>32.625.05</b>
6 mm	<b>32.623.06</b>	<b>32.625.06</b>
7 mm	<b>32.623.07</b>	<b>32.625.07</b>
8 mm	<b>32.623.08</b>	<b>32.625.08</b>

**PARTSCH**  
32.623.02 - 32.625.08





10 mm	<b>32.630.10</b>
12 mm	<b>32.630.12</b>
15 mm	<b>32.630.15</b>
20 mm	<b>32.630.20</b>
25 mm	<b>32.630.25</b>

**PARTSCH**  
32.630.10 - 32.630.25



8 mm	<b>32.632.08</b>
10 mm	<b>32.632.10</b>
15 mm	<b>32.632.15</b>
20 mm	<b>32.632.20</b>
25 mm	<b>32.632.25</b>

**STILLE**  
32.632.08 - 32.632.25  
20 cm



10 mm	<b>32.633.10</b>
15 mm	<b>32.633.15</b>
20 mm	<b>32.633.20</b>
25 mm	<b>32.633.25</b>

**STILLE**  
32.633.10 - 32.633.25  
20 cm



6 mm	<b>32.634.06</b>
9 mm	<b>32.634.09</b>
13 mm	<b>32.634.13</b>
16 mm	<b>32.634.16</b>
19 mm	<b>32.634.19</b>
25 mm	<b>32.634.25</b>
32 mm	<b>32.634.32</b>

**SMITH PETERSEN**  
32.634.06 - 32.634.32  
20 cm



6 mm	<b>32.635.06</b>
9 mm	<b>32.635.09</b>
13 mm	<b>32.635.13</b>
16 mm	<b>32.635.16</b>
19 mm	<b>32.635.19</b>
25 mm	<b>32.635.25</b>
32 mm	<b>32.635.32</b>

**SMITH PETERSEN**  
32.635.06 - 32.635.32  
20 cm



6 mm	<b>32.637.06</b>
9 mm	<b>32.637.09</b>
13 mm	<b>32.637.13</b>
16 mm	<b>32.637.16</b>
19 mm	<b>32.637.19</b>
25 mm	<b>32.637.25</b>
32 mm	<b>32.637.32</b>

**SMITH PETERSEN**  
**32.637.06 - 32.637.32**  
 20 cm



6 mm	<b>32.639.06</b>
9 mm	<b>32.639.09</b>
13 mm	<b>32.639.13</b>
16 mm	<b>32.639.16</b>
19 mm	<b>32.639.19</b>
25 mm	<b>32.639.25</b>
32 mm	<b>32.639.32</b>

**SMITH PETERSEN**  
**32.639.06 - 32.639.32**  
 20 cm



4 mm	<b>32.650.04</b>
6.5 mm	<b>32.650.06</b>
8 mm	<b>32.650.08</b>
10 mm	<b>32.650.10</b>
13 mm	<b>32.650.13</b>
15 mm	<b>32.650.15</b>
20 mm	<b>32.650.20</b>
25 mm	<b>32.650.25</b>
30 mm	<b>32.650.30</b>
38 mm	<b>32.650.38</b>
44 mm	<b>32.650.44</b>

**LAMBOTTE**  
**32.650.04 - 32.650.44**  
 24 cm



6.5 mm	<b>32.651.06</b>
8 mm	<b>32.651.08</b>
13 mm	<b>32.651.13</b>
15 mm	<b>32.651.15</b>
20 mm	<b>32.651.20</b>
25 mm	<b>32.651.25</b>
30 mm	<b>32.651.30</b>
38 mm	<b>32.651.38</b>
44 mm	<b>32.651.44</b>

**LAMBOTTE**  
**32.651.06 - 32.651.44**  
 24 cm





3 mm	<b>32.654.03</b>
4 mm	<b>32.654.04</b>
6 mm	<b>32.654.06</b>
8 mm	<b>32.654.08</b>
10 mm	<b>32.654.10</b>
12 mm	<b>32.654.12</b>
15 mm	<b>32.654.15</b>

**LAMBOTTE mini**  
**32.654.03 - 32.654.15**  
12.5 cm



7 mm	<b>32.660.07</b>
10 mm	<b>32.660.10</b>
15 mm	<b>32.660.15</b>
20 mm	<b>32.660.20</b>
25 mm	<b>32.660.25</b>
30 mm	<b>32.660.30</b>

**LEXER**  
**32.660.07 - 32.660.30**  
22 cm



7 mm	<b>32.661.07</b>
10 mm	<b>32.661.10</b>
15 mm	<b>32.661.15</b>
20 mm	<b>32.661.20</b>
25 mm	<b>32.661.25</b>
30 mm	<b>32.661.30</b>

**LEXER**  
**32.661.07 - 32.661.30**  
22 cm



4 mm	<b>32.664.04</b>
6 mm	<b>32.664.06</b>
8 mm	<b>32.664.08</b>
10 mm	<b>32.664.10</b>
12 mm	<b>32.664.12</b>

**LEXER mini**  
**32.664.04 - 32.664.12**  
18 cm



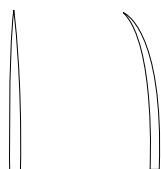
4 mm	<b>32.665.04</b>
6 mm	<b>32.665.06</b>
8 mm	<b>32.665.08</b>
10 mm	<b>32.665.10</b>
12 mm	<b>32.665.12</b>

**LEXER mini**  
**32.665.04 - 32.665.12**  
18 cm



3 mm	<b>32.668.03</b>
5 mm	<b>32.668.05</b>
6 mm	<b>32.668.06</b>
8 mm	<b>32.668.08</b>
9 mm	<b>32.668.09</b>

**HOKE**  
**32.668.03 - 32.668.09**  
17 cm



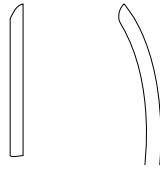
6 mm	<b>32.670.06</b>	<b>32.671.06</b>
13 mm	<b>32.670.13</b>	<b>32.671.13</b>
19 mm	<b>32.670.19</b>	<b>32.671.19</b>
25 mm	<b>32.670.25</b>	<b>32.671.25</b>
32 mm	<b>32.670.32</b>	<b>32.671.32</b>

**HIBBS**  
**32.670.06 - 32.671.32**  
24 cm



6 mm	<b>32.672.06</b>
13 mm	<b>32.672.13</b>
19 mm	<b>32.672.19</b>
25 mm	<b>32.672.25</b>
32 mm	<b>32.672.32</b>

**HIBBS**  
**32.672.06 - 32.672.32**  
24 cm



6 mm	32.673.06	32.675.06
13 mm	32.673.13	32.675.13
19 mm	32.673.19	32.675.19
25 mm	32.673.25	32.675.25
32 mm	32.673.32	32.675.32

**HIBBS**  
32.673.06 - 32.675.32  
24 cm



**LEBSCHE**  
32.678.24  
24.5 cm



32.679.22  
22 cm



**VIRCHOW**  
32.680.12  
12 cm



**BRUNETTI**  
32.681.28  
28 cm



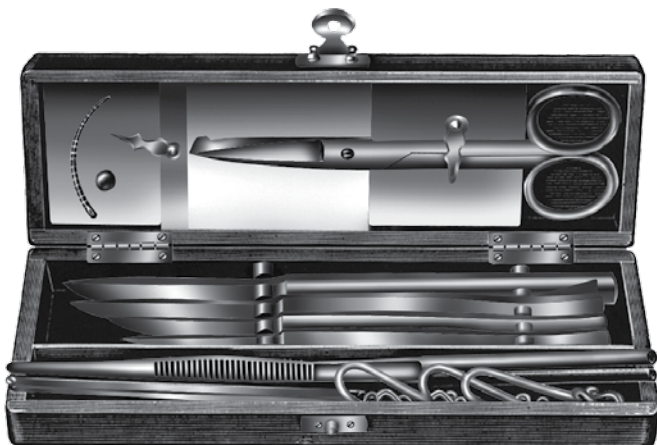
**BRUNETTI**  
32.683.28  
28 cm



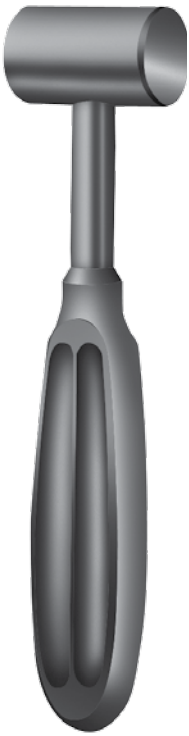
**POST MORTEM SET**  
32.684.00



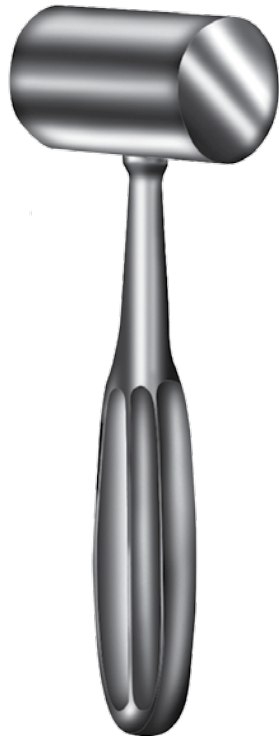
**PLASTIC**  
32.685.01    32.685.02  
*large*            *small*



**WOOD**  
32.685.03    32.685.04  
*large*            *small*



**GERZOG**  
**32.686.25**  
18 cm / 250 g



**KIRK**  
**32.688.75**  
19 cm / 750 g



450 g	<b>32.690.45</b>
900 g	<b>32.690.90</b>

**32.690.45 - 32.690.90**  
26.5 cm



**32.691.14**  
2 interchanging faces  
140 g



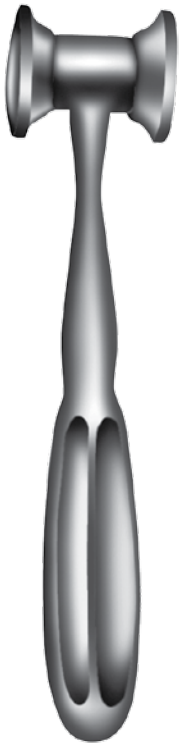
**32.691.19**  
pair of spare disks

**COLLIN**  
**32.692.22**  
20 cm / 220 g

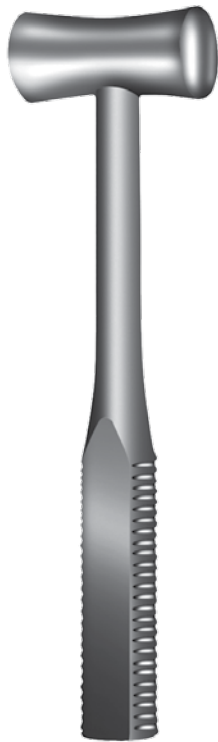


35 mm	<b>32.693.35</b>	135 g
50 mm	<b>32.693.50</b>	240 g
70 mm	<b>32.693.70</b>	330 g

**32.693.35 - 32.693.70**  
26 cm



**WILLIGER**  
**32.694.34**  
 24 cm / 340 g

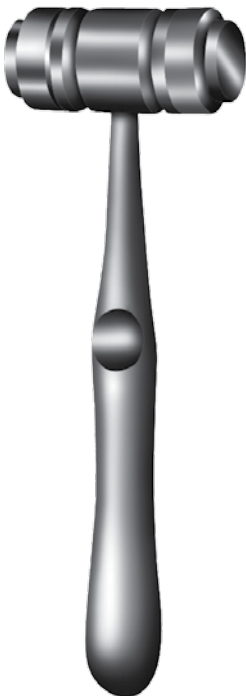


**BERGMANN**  
**32.695.30 - 23.695.45**  
 300 g

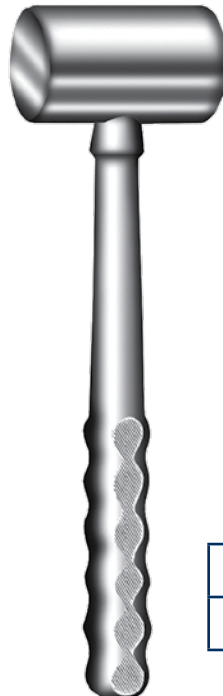
3.0 cm	<b>32.695.30</b>
4.5 cm	<b>32.695.45</b>



**LUCAE**  
**32.696.26**  
 19 cm / 260 g



**MEAD**  
**32.697.02 32.696.32**  
*pair of spare disks*  
 17 cm



**32.698.25 - 23.698.40**  
 26 cm

250 g	<b>32.698.25</b>
400 g	<b>32.695.40</b>



**QUISLING**  
**32.699.25**  
 17 cm





**32.699.00**  
23.5 cm



**WILLIGER**  
**32.700.01**  
140 g / 20 mm / 16 cm



**WILLIGER**  
**32.700.02**  
100 g / 20 mm / 16 cm

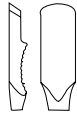


**PARTSCH**  
**32.701.01 - 32.701.02**  
18 cm / ø 22 mm

200 g	<b>32.701.01</b>
160 g	<b>32.695.02</b>

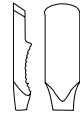


**COTTLE**  
**32.701.19**  
19 cm



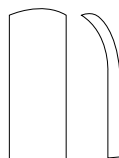
15 cm	<b>32.702.15</b>	<b>32.703.15</b>
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**FARABEUF**  
 32.702.15 - 32.703.15  
 15 cm



15 cm	<b>32.702.16</b>	<b>32.703.16</b>
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**FARABEUF LAMBOTTE**  
 32.702.16 - 32.703.16  
 15 cm



5 mm	<b>32.705.05</b>
10 mm	<b>32.705.10</b>
15 mm	<b>32.705.15</b>
20 mm	<b>32.705.20</b>
25 mm	<b>32.705.25</b>

**LAMBOTTE**  
 32.705.05 - 32.705.25  
 21 cm



10 mm	<b>32.707.10</b>
13 mm	<b>32.707.13</b>
19 mm	<b>32.707.19</b>
25 mm	<b>32.705.25</b>
30 mm	<b>32.705.30</b>

**COBB**  
 32.707.10 - 32.707.30  
 25 cm



**SEDILLOT**  
32.709.21  
21 cm



6 mm	32.710.06
9 mm	32.710.09

**MATHIEU**  
32.710.06 - 32.710.09  
14 cm



**LANGENBECK**  
32.711.18  
18 cm

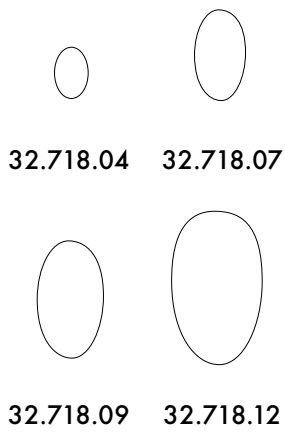


**WILLIGER**  
32.713.16  
16 cm



16 cm	32.715.16
20 cm	32.715.20

**ALEXANDER**  
32.715.16 - 32.715.20

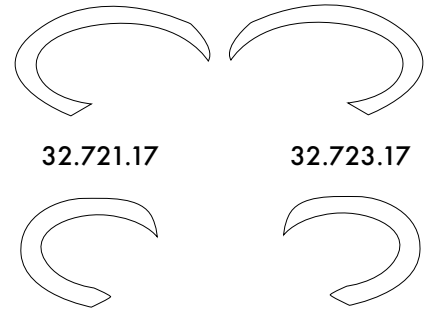


32.718.04 32.718.07

32.718.09 32.718.12

4 mm	32.718.04
7 mm	32.718.07
9 mm	32.718.09
12 mm	32.718.12

**WIBERG**  
32.718.04 - 32.718.12



32.721.17

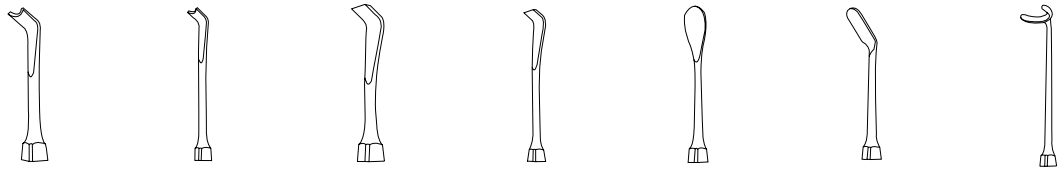
32.723.17

32.725.17

32.727.17

adult	32.718.04
adult	32.718.07
children	32.718.09
children	32.718.12

**DOYEN**  
32.721.17 - 32.727.17  
17 cm



32.729.01  
12 cm

32.729.02  
12 cm

32.729.03  
13 cm

32.729.04  
13 cm

32.729.05  
13 cm

32.729.06  
14 cm

32.729.07  
15 cm

205 mm	32.729.01
240 mm	32.729.02
240 mm	32.729.03
235 mm	32.729.04
230 mm	32.729.05
230 mm	32.729.06
240 mm	32.729.07

**SEMB**  
32.729.01 - 32.729.07



**MATSON ALEXANDER**  
32.731.22  
22 cm



**MATSON**  
32.733.22  
22 cm



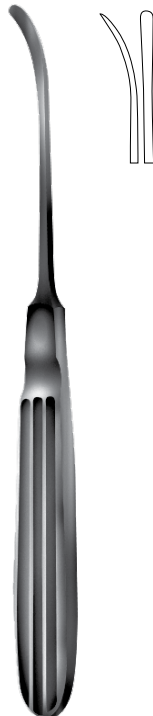
**OVERHOLT**  
32.735.29  
29.5 cm



**OVERHOLT**  
32.737.29  
29.5 cm



**OVERHOLT**  
32.739.28  
28.5 cm



**LANDOLT**  
32.740.47  
tip 4.7 mm  
17.5 cm



**CASPAR**  
32.741.62  
tip 6.2 mm  
18 cm



**32.743.03**  
tip 3 mm



**32.743.06**  
tip 6 mm  
17 cm



**SEBILAU**  
**32.748.17**  
 17 cm



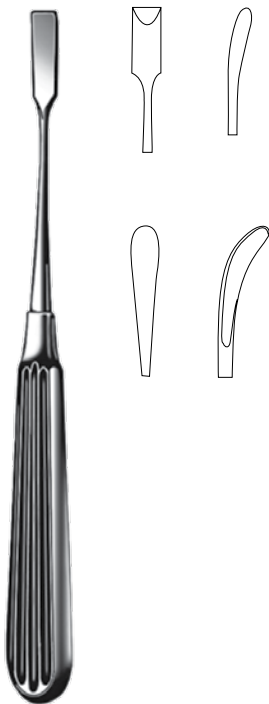
**QUERVAIN**  
**32.750.20**  
 20 cm / 0.6 mm



**LANGENBECK**  
**32.751.20**  
 20 cm



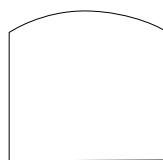
**LANGENBECK**  
**32.753.20**  
 20 cm



**ADSON**  
**32.754.17 - 32.757.17**  
 17 cm



**KEY**  
**32.759.06 - 32.759.25**  
 19 cm



6 mm	<b>32.759.06</b>
12 mm	<b>32.759.12</b>
19 mm	<b>32.759.19</b>
25 mm	<b>32.759.25</b>



**CUSHING**  
**32.760.15 - 32.761.19**

15 cm	<b>32.760.15</b>
19 cm	<b>32.761.19</b>



**CUSHING**  
**32.762.19**  
19 cm / 17 mm



**CUSHING**  
**32.763.18**  
18 cm / 16 mm



**CUSHING**  
**32.764.18**  
18 cm / 16 mm



**WARSON CHEYNE**  
**32.765.17**  
17.5 cm



**McDONALD**  
**32.767.19**  
19 cm



**MUYPHY LANE**  
**32.769.30**  
30 cm



**BANETT**  
**32.771.71**  
65 x 260 mm



**BANETT**  
**32.771.73**  
45 x 260 mm



**32.774.14**  
 14 cm



**32.775.14**  
 14 cm



**32.777.13**  
 13 cm



**32.778.06**  
 18.5 cm



**32.779.06**  
 18.5 cm  
 6 mm



**32.781.06**  
 18.5 cm  
 6 mm



**32.783.03**  
 18.5 cm  
 3 mm

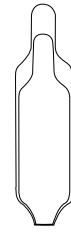




**LANGE baby**  
**32.791.17**  
17 cm

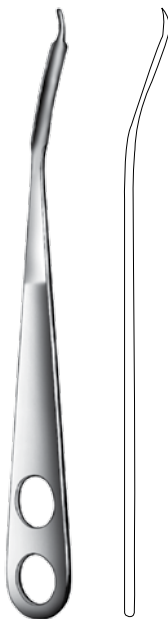


**LANGE**  
**32.792.22**  
22 cm  
22 mm

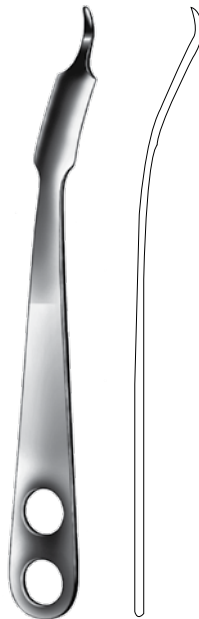


27 cm/ 30 mm	<b>32.793.30</b>
29 cm/ 34 mm	<b>32.793.34</b>

**LANGE HOHMANN**  
**32.793.30 - 32.793.34**  
22 cm  
22 mm



**HOMANN**  
**32.801.08**  
tip 8 mm  
24 cm



**HOMANN**  
**32.801.18**  
tip 18 mm  
24 cm



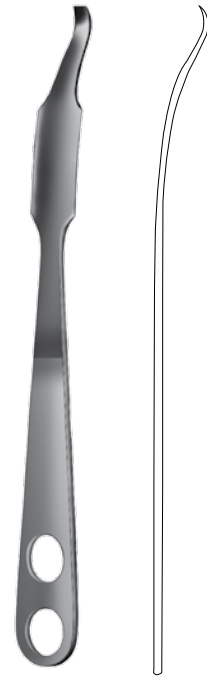
**HOMANN**  
**32.801.43**  
tip 4.3 cm  
24 cm



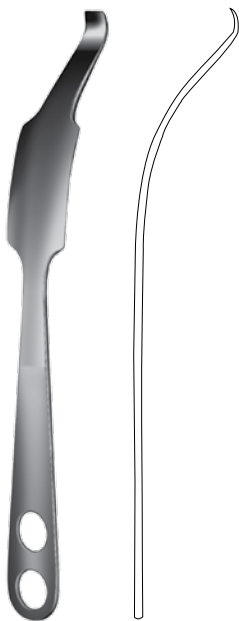
**HOMANN**  
**32.801.70**  
tip 7 cm  
25 cm



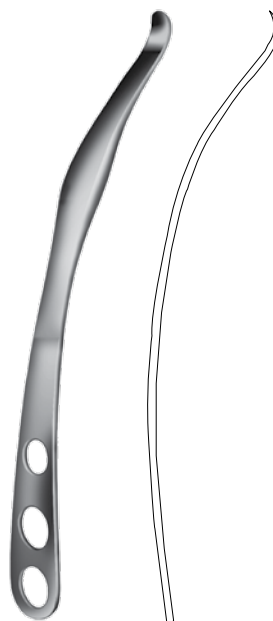
**HOMANN**  
**32.803.43**  
tip 4.3 cm



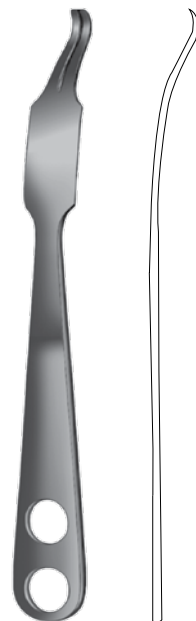
**HOMANN**  
**32.805.22**  
tip 2.2 cm  
26 cm



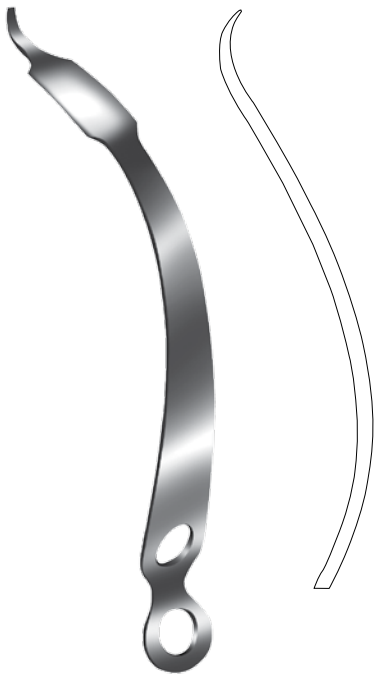
**HOMANN**  
**32.805.33**  
tip 3.3 cm  
29 cm



**HOMANN**  
**32.807.24**  
tip 2.4 cm  
27 cm



**HOMANN**  
**32.809.22**  
tip 2.2 cm



**HOMANN ALDINGER**  
**32.810.24**  
24 cm



6 mm	<b>32.811.06</b>
8 mm	<b>32.811.08</b>

**HOMANN mini**  
**32.811.06 - 32.811.08**  
16 cm

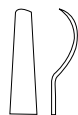


**BUCK GRAMCKO**  
**32.813.15**  
tip 2 mm  
15 cm

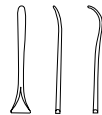


2.8 mm	<b>32.815.05</b>
5 mm	<b>32.815.06</b>

**32.815.05 - 32.815.06**  
14 cm



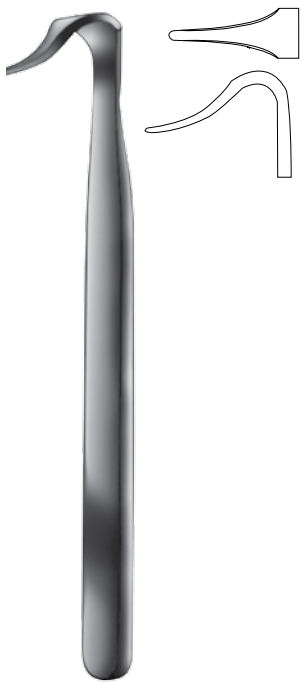
**KOENIG**  
**32.816.15 - 32.817.15**  
15.5 cm



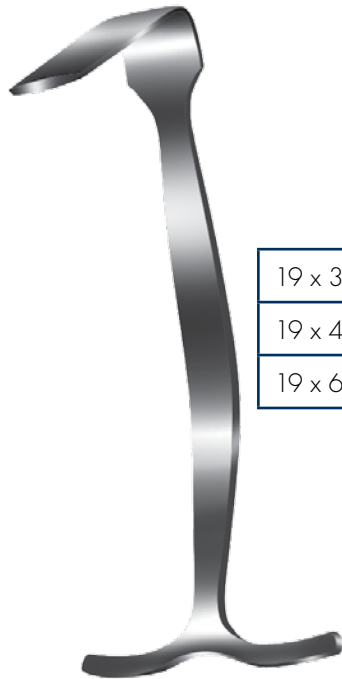
**BLOUNT**  
**32.823.26**  
26 cm



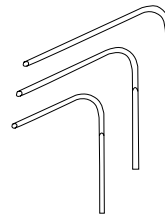
**BLOUNT**  
**32.825.26**  
26 cm



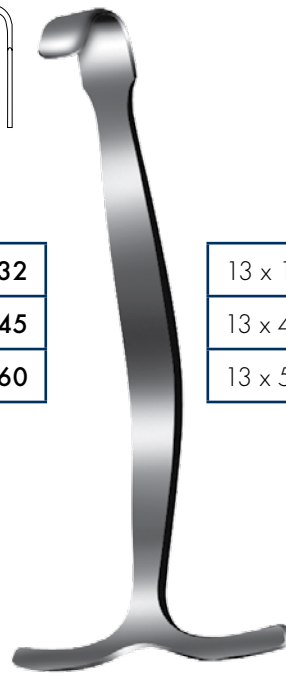
**BLOUNT**  
 32.827.17  
 17.5 cm



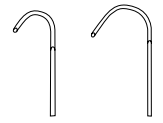
**SMILLIE**  
 32.828.32 - 32.828.60  
 14 cm



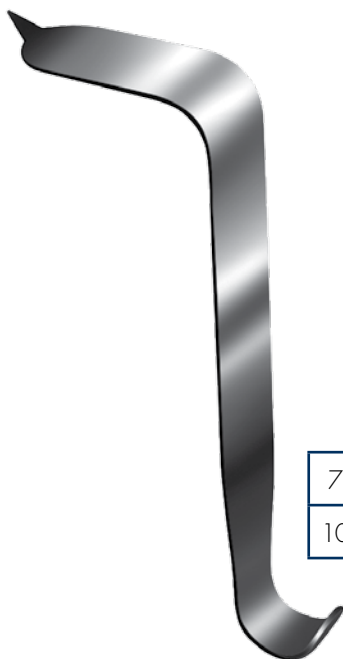
19 x 32 mm	<b>32.828.32</b>
19 x 45 mm	<b>32.828.45</b>
19 x 60 mm	<b>32.828.60</b>



**SMILLIE**  
 32.829.15 - 32.829.55  
 14 cm



13 x 15 mm	<b>32.829.15</b>
13 x 45 mm	<b>32.829.45</b>
13 x 55 mm	<b>32.829.55</b>



**TAYLOR**  
 32.831.16 - 32.833.16  
 16.5 cm

75 x 30 mm	<b>32.831.16</b>
100 x 30 mm	<b>32.833.16</b>



**LANE**  
 32.835.27  
 21 cm



**SMILLIE**  
 32.910.17 - 32.913.17  
 17 cm



**32.910.17**



**32.911.17**

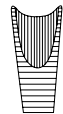


**32.913.17**

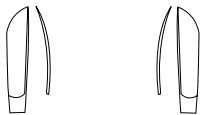


190 mm	32.915.19	32.917.19
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**BRICHER**  
32.915.19 - 32.917.19



**DOWNING**  
32.919.25  
25 cm



32.921.22 32.923.22

**NEFF**  
32.921.22 - 32.923.22  
22 cm








**CANADA**  
32.925.20  
20 cm

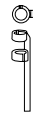


**CANADA**  
32.927.20  
20 cm



-  **32.950.01**  
*fig. 1*
-  **32.950.02**  
*fig. 2*
-  **32.950.03**  
*fig. 3*
-  **32.950.04**  
*fig. 4*
-  **32.950.05**  
*fig. 5*

**BUNNELL**  
 32.950.01 - 32.950.05  
 15 cm



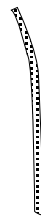
**FISCHER**  
 32.952.31  
 31 cm



**32.971.24**  
 24.5 cm



**32.972.22**  
 22 cm



**PUTTI**  
 32.973.27  
 27 cm

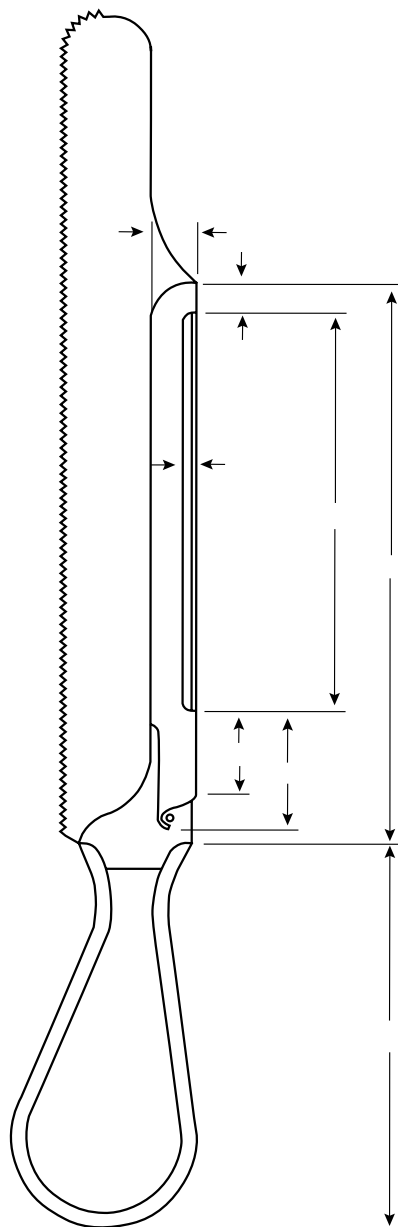


**PUTTI**  
 32.975.30  
 30 cm



# 33

**Bone Surgery**  
**Knochenchirurgie**  
Cirugía Ósea







**PERCY**  
33.110.00



**CHARRIERE**  
33.112.00



3 mm	<b>33.112.03</b>
5 mm	<b>33.112.05</b>
7 mm	<b>33.112.07</b>

**33.112.03 - 33.112.07**  
*only*



**CHARRIERE**  
33.116.30  
30 cm



**SATTERLEE**  
33.118.31      33.118.99  
31 cm            *only*



**LANGENBECK**  
33.120.23  
23 cm



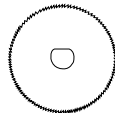
**33.160.00**  
*complete*



**33.160.01**  
*3 pieces*

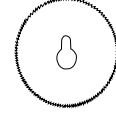


**RADOLF**  
**33.162.13**  
 13.5 cm



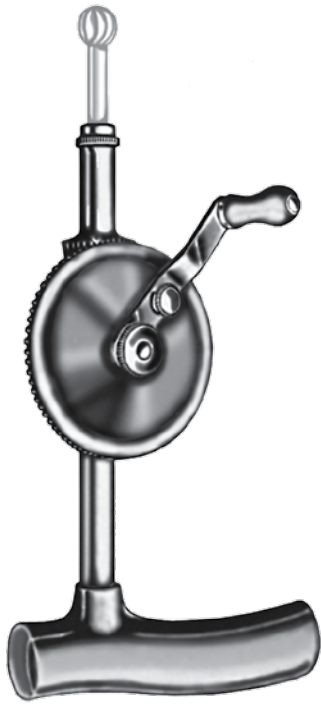
**33.173.01**  
*only*

**DEWIMED**  
**33.173.00**  
 17 cm



**33.175.01**

**DEWIMED**  
**33.175.00**    **33.175.99**  
*complete*    *only*



**STILLE**  
**33.210.20**  
*hand piece only*  
20 cm



**STILLE SHERMAN**  
**33.220.24**  
24 cm



**MOORE**  
**33.230.28**  
28 cm



**HUDSON**  
**33.240.27** 33.240.99  
*complete only*



**HUDSON**  
**33.242.09**  
 9 mm



**HUDSON**  
**33.242.14**  
 14 mm



**HUDSON**  
**33.242.16**  
 16 mm



**HUDSON**  
**33.242.22**  
 22 mm



**CUSHING**  
**33.244.14**



**33.246.00**



**McKENZIE**  
**33.248.00**



**KIRSCHNER**  
**33.250.00**  
*complete*



**DEWIMED**  
**33.252.00**



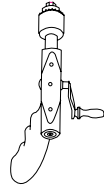
**DEWIMED**  
**33.260.00**  
*complete*



**DEWIMED**  
**33.262.00**



**BUNNELL**  
33.270.00  
16 cm



**RALK**  
33.280.00



33.290.00



33.292.00



**33.350.20 - 33.350.70**

2 mm	<b>33.350.20</b>
2.5 mm	<b>33.350.25</b>
3 mm	<b>33.350.30</b>
3.5 mm	<b>33.350.35</b>
4 mm	<b>33.350.40</b>
5 mm	<b>33.350.50</b>
6 mm	<b>33.350.60</b>
7 mm	<b>33.350.70</b>



**33.352.10 - 33.352.50**

1 mm	<b>33.352.10</b>
1.2 mm	<b>33.352.12</b>
1.5 mm	<b>33.352.15</b>
1.8 mm	<b>33.352.18</b>
2 mm	<b>33.352.20</b>
2.2 mm	<b>33.352.22</b>
2.8 mm	<b>33.352.25</b>
2.8 mm	<b>33.352.28</b>
3 mm	<b>33.352.30</b>
3.2 mm	<b>33.352.32</b>
3.5 mm	<b>33.352.35</b>
4 mm	<b>33.352.40</b>
5 mm	<b>33.352.50</b>



**33.354.10 - 33.354.60**

1 mm	<b>33.354.10</b>
1.5 mm	<b>33.354.15</b>
2 mm	<b>33.354.20</b>
2.5 mm	<b>33.354.25</b>
2.8 mm	<b>33.354.28</b>
3 mm	<b>33.354.30</b>
3.2 mm	<b>33.354.32</b>
3.5 mm	<b>33.354.35</b>
4 mm	<b>33.354.40</b>
4.5 mm	<b>33.354.45</b>
5 mm	<b>33.354.50</b>
6 mm	<b>33.354.60</b>



**33.356.11**  
60 / 35 mm  
ø 1.1 mm



**33.356.15**  
85 / 60 mm  
ø 1.5 mm



**33.356.20 - 33.356.27**  
100 / 75 mm

2 ø mm	<b>33.356.20</b>
2.7 ø mm	<b>33.356.27</b>



**33.356.25 - 33.357.15**  
110 / 85 mm

2.5 ø mm	<b>33.356.25</b>
3.5 ø mm	<b>33.356.35</b>
1.5 ø mm	<b>33.357.15</b>



**33.356.32 - 33.356.45**  
145 / 120 mm

3.2 ø mm	<b>33.356.32</b>
4.5 ø mm	<b>33.356.45</b>



**33.357.20 - 33.357.27**  
125 / 100 mm

2 ø mm	<b>33.357.20</b>
2.7 ø mm	<b>33.357.27</b>



**33.356.60 - 33.357.45**  
195 / 190 mm

3.2 ø mm	<b>33.357.32</b>
3.5 ø mm	<b>33.357.35</b>
4.5 ø mm	<b>33.357.45</b>
6 ø mm	<b>33.356.60</b>



**DOYEN**  
 33.362.04 - 33.362.16

4 ø mm	<b>33.362.04</b>
6 ø mm	<b>33.362.06</b>
8 ø mm	<b>33.362.08</b>
10 ø mm	<b>33.362.10</b>
12 ø mm	<b>33.362.12</b>
14 ø mm	<b>33.362.14</b>
16 ø mm	<b>33.362.16</b>



**DOYEN**  
 33.364.04 - 33.364.16

4 ø mm	<b>33.364.04</b>
6 ø mm	<b>33.364.06</b>
8 ø mm	<b>33.364.08</b>
10 ø mm	<b>33.364.10</b>
12 ø mm	<b>33.364.12</b>
14 ø mm	<b>33.364.14</b>
16 ø mm	<b>33.364.16</b>



**DOYEN**  
 33.366.12  
 ø 12 mm



**33.368.08**  
 ø 8 mm

**33.368.10**  
 ø 10 mm



**DOYEN**  
 33.370.12  
 ø 12 mm

**33.370.15**  
 ø 15 mm



**ALBEE**  
 33.372.08 - 33.372.12

8 ø mm	<b>33.372.08</b>
10 ø mm	<b>33.372.10</b>
12 ø mm	<b>33.372.12</b>



**ALBEE**  
 33.374.07  
 ø 7 mm



**BORCHARDT**  
 33.376.13  
 ø 13 mm

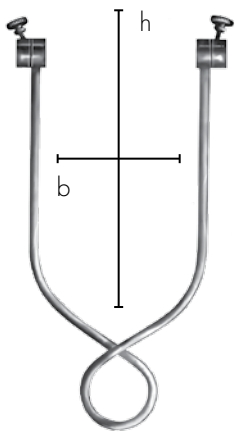


**33.377.25**  
 ø 25 mm



**TOTI**  
 33.378.08  
 ø 8 mm

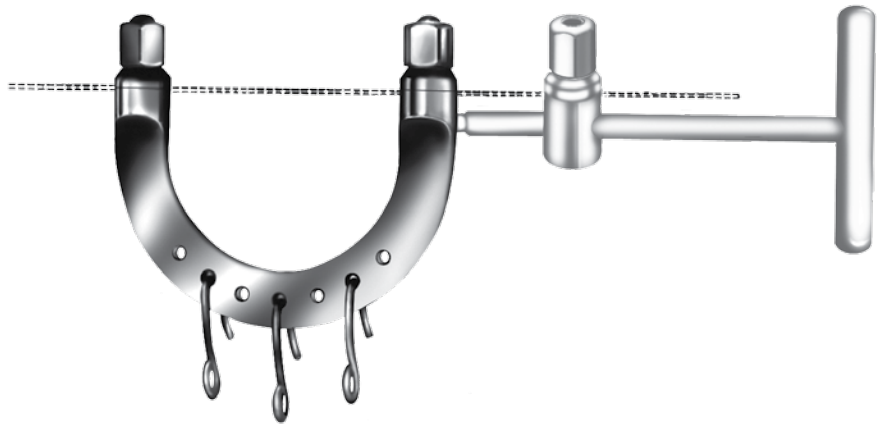




**BOEHLER**  
33.502.16 - 33.502.21

h x b

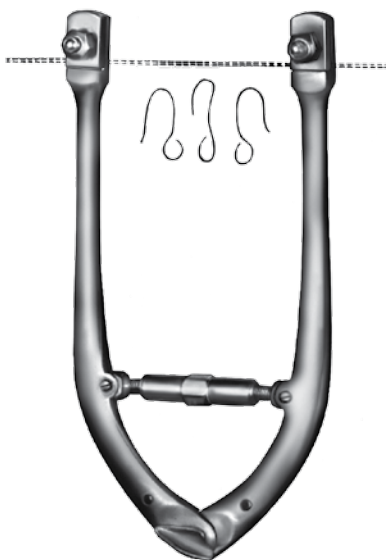
16 x 9 cm	<b>33.502.16</b>
21 x 11 cm	<b>33.502.21</b>



**KIRSCHNER**  
33.512.06 - 33.512.20

h x b

6 x 5 cm	<b>33.512.06</b>
9.5 x 7 cm	<b>33.512.09</b>
10.5 x 10.5 cm	<b>33.512.10</b>
9.5 x 11 cm	<b>33.512.11</b>
12 x 12 cm	<b>33.512.12</b>
13.5 x 13 cm	<b>33.512.13</b>
15.5 x 15.5 cm	<b>33.512.15</b>
20 x 15.5 cm	<b>33.512.20</b>



**DEWIMED**  
33.514.18 - 33.514.27



h x b

18 x 10 cm	<b>33.514.18</b>
27 x 16 cm	<b>33.514.27</b>



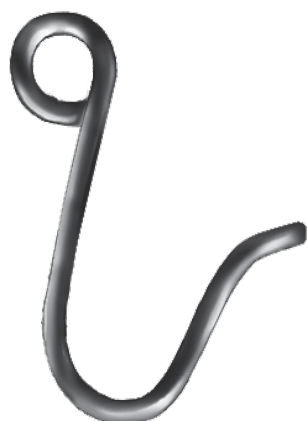
**33.515.02**

**33.515.01**



**KIRSCHNER U.S.**  
33.518.01 - 33.518.03

<i>small</i>	<b>33.518.01</b>
<i>large</i>	<b>33.518.02</b>
<i>extra large</i>	<b>33.518.03</b>



**33.519.01** **33.519.02**  
*small* *large*



**33.522.01 - 33.522.03**

<i>small</i>	<b>33.522.01</b>
<i>large</i>	<b>33.522.02</b>
<i>extra large</i>	<b>33.522.03</b>

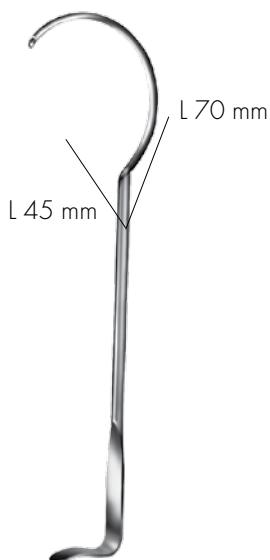


**33.530.02 - 33.530.15**

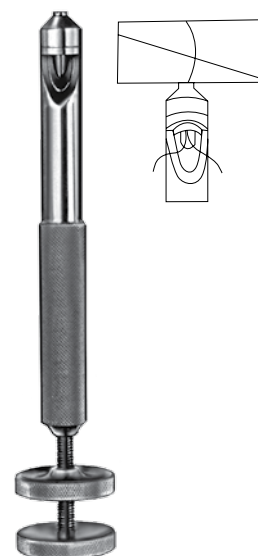
0.2 ø mm	<b>33.530.02</b>
0.3 ø mm	<b>33.530.03</b>
0.4 ø mm	<b>33.530.04</b>
0.5 ø mm	<b>33.530.05</b>
0.6 ø mm	<b>33.530.06</b>
0.7 ø mm	<b>33.530.07</b>
0.8 ø mm	<b>33.530.08</b>
0.9 ø mm	<b>33.530.09</b>
1 ø mm	<b>33.530.10</b>
1.1 ø mm	<b>33.530.11</b>
1.2 ø mm	<b>33.530.12</b>
1.5 ø mm	<b>33.530.15</b>



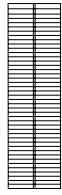
**DEWIMED**  
**33.528.01**  
16 cm



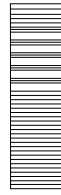
**33.529.45** **33.529.70**  
L = 45 mm L = 70 mm  
23 cm



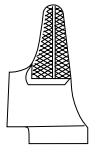
**LOUTE**  
**33.531.21**  
21 cm



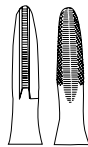
**33.532.17**  
17 cm



**GRIP**  
**33.533.18**  
18 cm



**33.534.15**  
15 cm



**33.535.13**   **33.535.18**  
13 cm   18 cm



**33.536.14**  
14 cm



**33.536.19**  
19 cm



**33.537.01**  
 18 cm



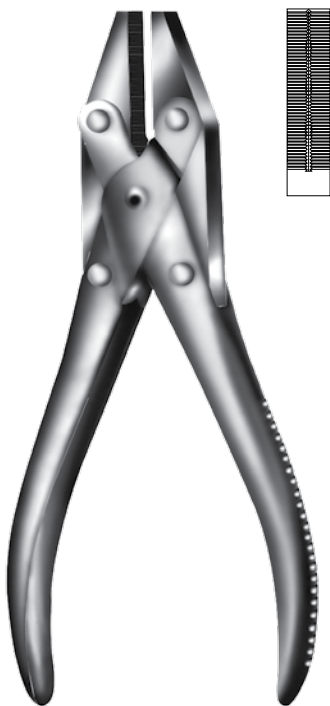
18 cm	<b>33.537.02</b>
18 cm	<b>33.537.03</b>
14.5 cm	<b>33.537.04</b>

**33.537.02 - 33.537.04**



**33.538.01**  
 serrated jaws  
 17 cm

**33.538.02**  
 17 cm  
 longitudinal  
 and transversal  
 grooves



**33.538.18**  
 18 cm



**33.539.18**  
 18 cm



**MARTIN**  
**33.540.16**  
 16 cm



**33.541.22**  
22 cm



**33.542.15**  
15 cm



**33.544.14**  
14.5 cm



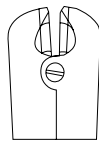
**33.545.16 TC**  
16 cm



**33.545.18 TC**  
18 cm



**33.545.22 TC**  
22 cm



**33.546.18**  
18 cm



**REILL**  
**33.547.17**  
17.5 cm



**33.548.23 TC**  
23.5 cm



**33.552.17 TC**  
17 cm



**33.553.38**  
38 cm



**NIRO**  
**33.554.15 TC**  
15 cm



**33.555.24**  
24 cm



**33.556.47**  
47 cm



**JEWET**  
**33.558.00**  
20 cm



**33.568.14**  
14 cm



**33.569.14**  
14 cm



**LANE**  
**33.620.25**  
25 cm





**WILIAMS**  
**33.624.24**  
 24 cm



1.5 mm	<b>33.628.15</b>
2.5 mm	<b>33.628.25</b>
3.5 mm	<b>33.628.35</b>
4.5 mm	<b>33.628.45</b>

**33.628.15 - 33.628.35**



**LANE**  
**33.632.25**  
 25 cm



**LANE**  
**33.635.18**  
 18 cm



**LANE**  
**33.637.23**  
 23 cm



**LANE**  
**33.639.22**  
 22 cm





**LANE**  
**33.640.18**  
18 cm



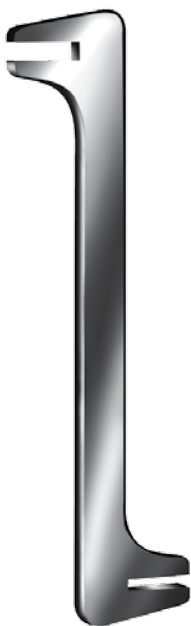
**33.642.00**  
12 cm



**33.643.01**  
14.5 cm



**33.643.02**  
14.5 cm



**33.645.00**  
24 cm



**JEWETT**  
**33.647.01**  
20 cm



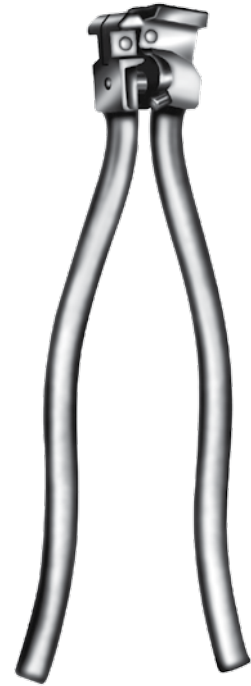
**JEWETT**  
**33.647.02**  
20 cm



**33.650.14**  
14 cm



**33.653.25**  
22 cm



**33.658.23**  
29 cm



**33.670.00**



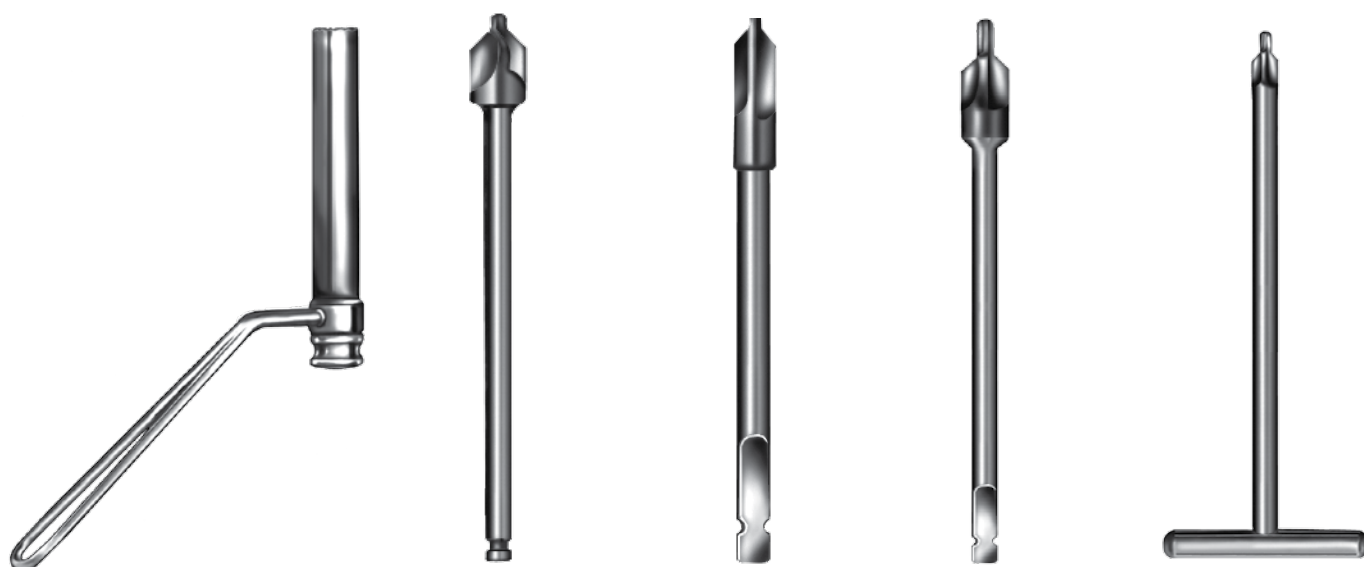
**33.674.09 - 33.676.08**

5 holes	90 mm	<b>33.674.09</b>
7 holes	120 mm	<b>33.674.12</b>
9 holes	150 mm	<b>33.674.15</b>
12 holes	200 mm	<b>33.674.20</b>
5 holes	60 mm	<b>33.676.06</b>
7 holes	85 mm	<b>33.676.08</b>



**33.816.25 - 33.816.50**

2.5 ø mm	<b>33.816.25</b>
3.5 ø mm	<b>33.816.35</b>
5 ø mm	<b>33.816.50</b>



**33.820.00**

**33.820.11**  
ø 1 mm

**33.822.20**  
ø 2.0 mm

**33.824.32**  
ø 3.2 mm

**33.826.45**  
ø 4.5 mm



**33.827.00**  
14 cm



**33.828.00**   **33.828.01**  
22 cm   *extra large*



**33.829.01**  
22 cm

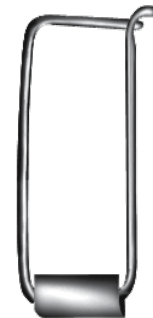


**33.830.15 - 33.834.45**

1.5 mm		<b>33.830.15</b>
2 mm		<b>33.830.20</b>
2.7 mm		<b>33.830.27</b>
3.5 mm	<i>cortical</i>	<b>33.830.35</b>
4.5 mm	<i>short</i>	<b>33.830.45</b>
2 mm	<i>extra large</i>	<b>33.832.20</b>
2.7 mm	<i>extra large</i>	<b>33.832.27</b>
4.5 mm	<i>large</i>	<b>33.832.45</b>
4.5 mm	<i>extra large</i>	<b>33.834.45</b>



**33.839.09**  
8 cm



**33.842.20 - 33.842.35**

2.0 mm	<b>33.842.20</b>
2.7 mm	<b>33.842.27</b>
3.5 mm	<b>33.842.35</b>



**33.840.35**   **33.840.65**  
 ø 3.5 mm   ø 6.5 mm



**33.864.00**



**33.866.00**  
8.5 cm



**33.868.00**  
10.5 cm



**33.870.15**  
ø 1.1 / 1.5 mm

**33.872.20**  
ø 2 / 2 mm

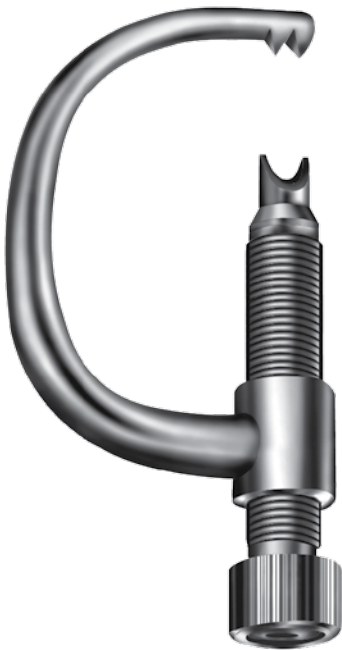


**33.874.27 - 33.875.35**

2.7/2.0 mm	<b>33.874.27</b>
3.5/2.0 mm	<b>33.874.35</b>
4.5/3.2 mm	<b>33.874.45</b>
3.5/2.5 mm	<b>33.875.35</b>



**33.880.35**  
ø 3.5 mm



**33.880.45**  
ø 3.5 mm



**33.881.35**  
ø 3.5 mm



**33.881.45**  
15 cm



**33.885.35**  
3.5 mm

**33.885.65**  
6.5 mm



**33.887.35**  
ø 3.0 / 3.5 mm



**33.889.45**  
ø 4.5 mm

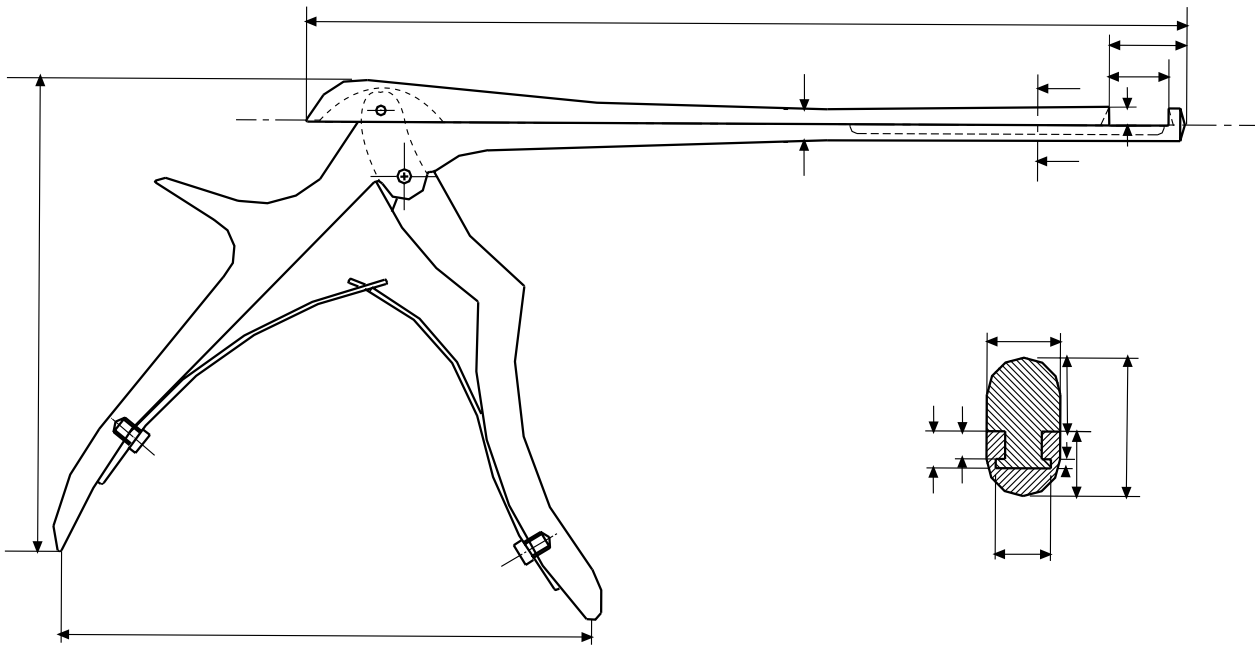


# 40

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## Micro - Instruments

Micro Instrumente  
Micro Instrumental

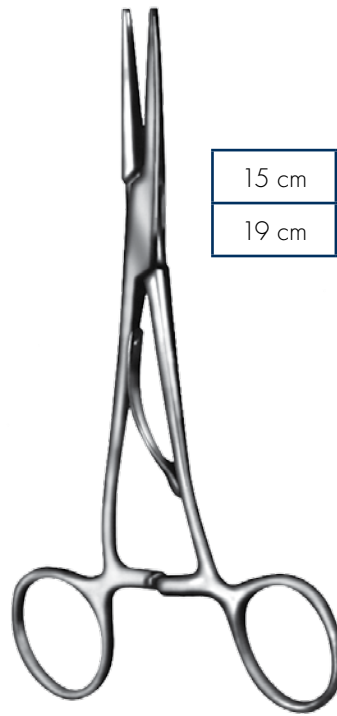






15 cm	<b>40.011.15</b>
19 cm	<b>40.011.19</b>

**McKENZIE**  
40.011.15 - 40.011.19



15 cm	<b>40.013.15</b>
19 cm	<b>40.013.19</b>

**McKENZIE**  
40.013.15 - 40.013.19



23 cm	<b>40.015.23</b>
26 cm	<b>40.015.26</b>

**SMITHWICK**  
40.015.23 - 40.015.26



23 cm	<b>40.017.23</b>
26 cm	<b>40.017.26</b>

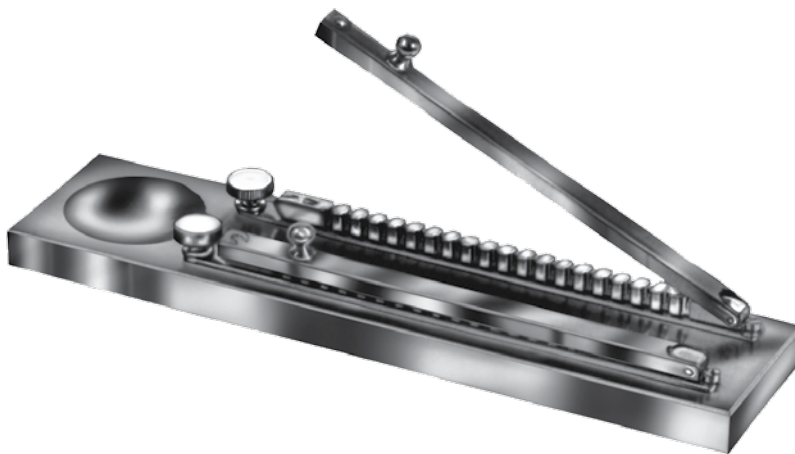
**SWEET**  
40.017.23 - 40.017.26



**OLIVECRONA TOENNIS**  
40.019.14  
14 cm



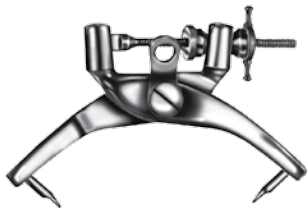
**McKENZIE**  
40.020.00



**McKENZIE**  
40.020.02



**40.021.00**  
100 pieces



**CRUTCHFIELD**  
40.025.01



**CRUTCHFIELD**  
40.025.02



**40.025.10**  
*cervical traction*  
*tongs*

**40.025.15**  
*spare pin only*



3.5 mm	<b>40.026.35</b>
5 mm	<b>40.026.50</b>

**CRUTCHFIELD**  
40.026.35 - 40.026.50



**RANEY**  
40.027.00



**RANEY**  
40.028.00  
16 cm



**40.029.00**  
50 pieces



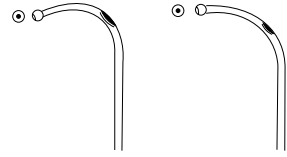
**JACOBSON**  
 40.040.01  
 19 cm



**JACOBSON**  
 40.040.02  
 19 cm



**DEWIMED**  
 40.042.19  
 18.5 cm

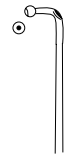


40.043.01

40.043.02



40.043.03



40.043.04

**DEWIMED**  
 40.043.01 - 40.043.04  
 19 cm



40.051.20



40.052.20

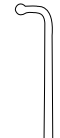


40.053.20

**DANDY**  
 40.051.20 - 40.053.20  
 20 cm



**CRILE**  
 40.055.20  
 20 cm / 7 mm  
 blunt

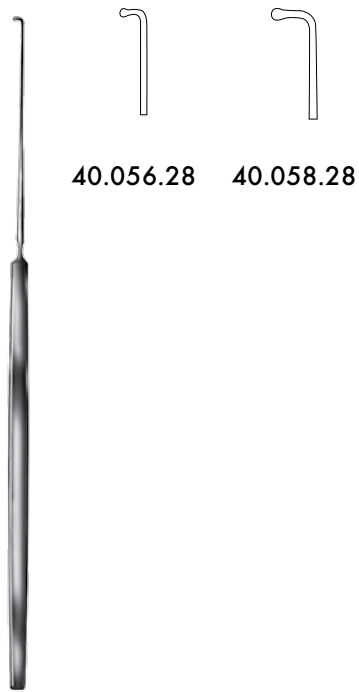


40.056.19



40.058.19

**CUSHING**  
 40.056.19 - 40.058.19  
 19 cm



40.056.28 40.058.28

**CUSHING**  
40.056.28 - 40.058.28  
28 cm



**DEWIMED**  
40.060.01  
18.5 cm



**DEWIMED**  
40.060.02  
19 cm



**DEWIMED**  
40.060.03  
19 cm



**DEWIMED**  
40.060.04  
19 cm



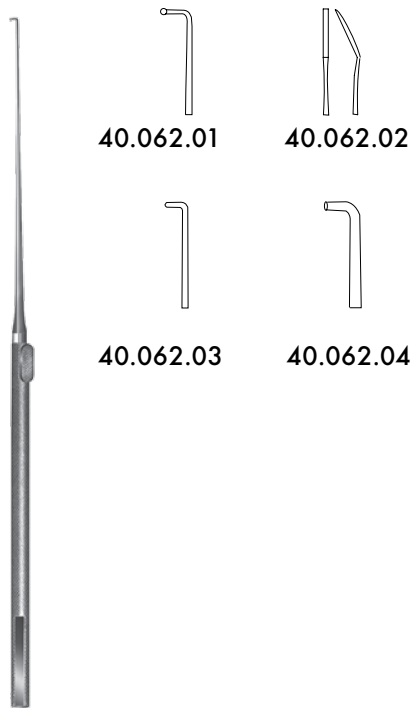
**DEWIMED**  
40.060.05  
19 cm



**DEWIMED**  
40.060.06  
19 cm



**GRAHAM**  
40.061.16  
16.5 cm  
*blunt*



40.062.01

40.062.02

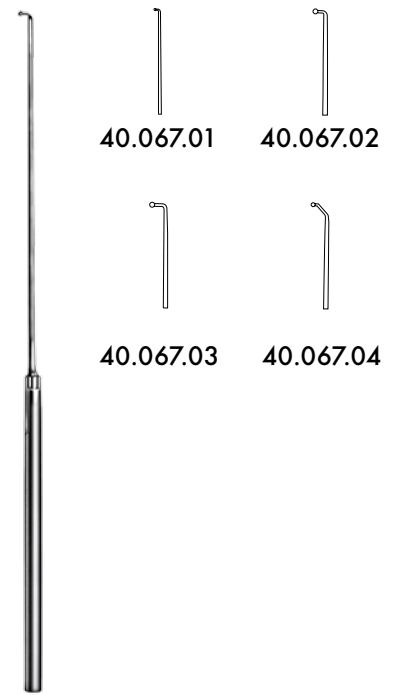
40.062.03

40.062.04

**KRAYENBUEHL**  
 40.062.01 - 40.062.04  
 18.5 cm



**SACHS**  
 40.064.18  
 18.5 cm



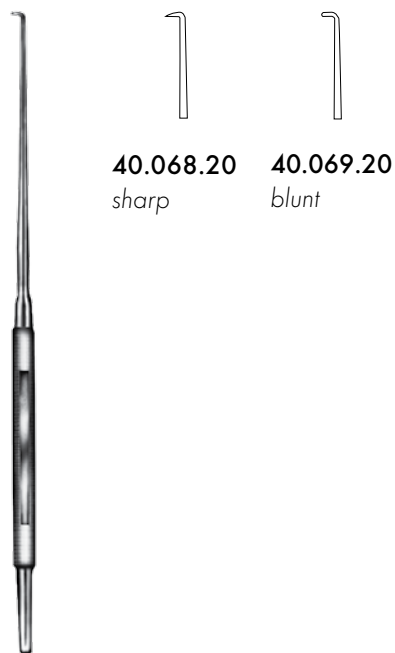
40.067.01

40.067.02

40.067.03

40.067.04

**CASPAR**  
 40.067.01 - 40.067.04  
 24.5 cm



40.068.20  
*sharp*

40.069.20  
*blunt*

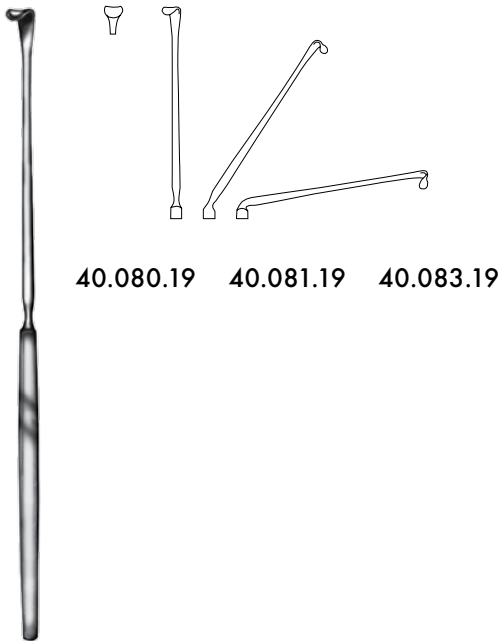
**ADSON**  
 40.068.20 - 40.069.20  
 20 cm



**SWITHWICK**  
 40.070.29



**LOVE**  
 40.071.21  
 21 cm



**LOVE**  
40.080.19 - 40.083.19  
19 cm



**SCOVILLE**  
40.084.23  
23 cm / 8 mm



**SCOVILLE**  
40.085.20  
20 cm / 7 mm



**HOLSHER**  
40.087.24  
24 cm



**DE MARTEL**  
40.090.33  
33 cm



**LEBSCHÉ**  
40.092.25  
25 cm



30 cm	<b>40.092.30</b>
40 cm	<b>40.092.40</b>
50 cm	<b>40.092.50</b>
60 cm	<b>40.092.60</b>
70 cm	<b>40.092.70</b>

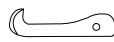
**OLIVECRONA**  
 40.092.30 - 40.092.70



**GIGLI**  
 40.094.00



**DE VILBISS**  
 40.096.21  
 21 cm



**DAHLGREN**  
 40.097.20  
 20 cm



**CONE**  
 40.098.20    40.098.23  
 20 cm        23 cm





**ADSON**  
40.099.15  
15 cm



12.5 ø mm	<b>40.100.13</b>
16 ø mm	<b>40.100.16</b>
19 ø mm	<b>40.100.19</b>
22 ø mm	<b>40.100.22</b>
25 ø mm	<b>40.100.25</b>

**GALT**  
40.100.13 - 40.100.25  
*complete*



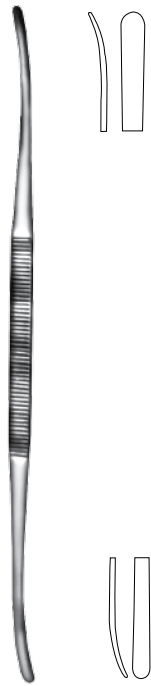
12.5 ø mm	<b>40.101.13</b>
16 ø mm	<b>40.101.16</b>
19 ø mm	<b>40.101.19</b>
22 ø mm	<b>40.101.22</b>
25.0 mm	<b>40.101.25</b>

**GALT**  
40.101.13 - 40.101.25  
*adjustable centering  
point extra*



- **40.102.05**  
ø 5.0 mm
- **40.102.06**  
ø 5.5 mm
- **40.102.08**  
ø 8.0 mm

**MICHELE**  
40.102.05 - 40.102.08  
40.102.99  
*marker*



**TOENNIS**  
 40.141.25  
 25 cm



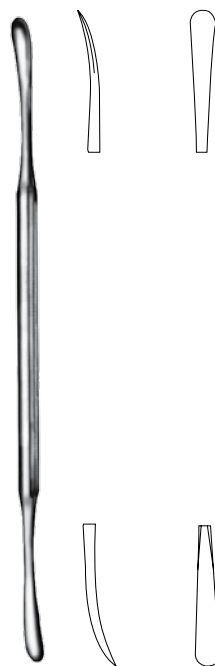
**SACHS**  
 40.143.21  
 21 cm



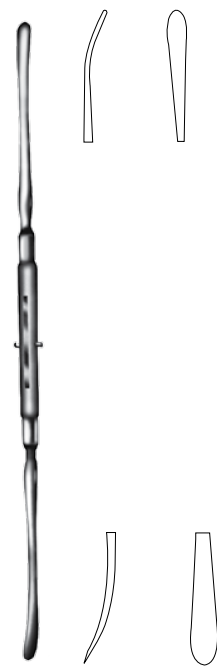
**SACHS**  
 40.145.21  
 21 cm



**MILLIGAN**  
 40.147.21  
 21 cm



**40.149.22**  
 21 cm



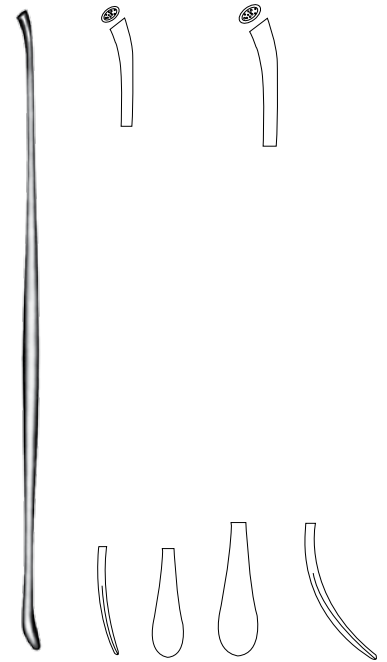
**DAVIS**  
 40.151.24  
 24.5 cm



**HORSLEY**  
40.155.20  
20 cm



**PENFIELD**  
40.161.01  
18 cm  
fig. 1



**PENFIELD**  
40.161.02 - 40.161.03  
20 cm  
fig. 2 fig. 3



**PENFIELD**  
40.161.04  
21.5 cm  
fig. 4



**PENFIELD**  
40.161.05  
29 cm  
fig. 5



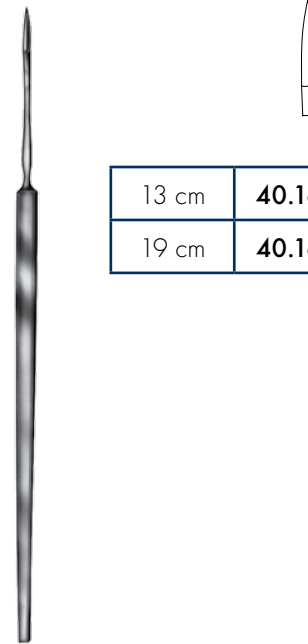
**OLIVECRONA**  
40.162.18 - 40.162.24

19.5 cm	40.162.18
24 cm	40.162.24



19.5 cm	<b>40.164.19</b>
24 cm	<b>40.164.24</b>

**OLIVECRONA**  
 40.164.19 - 40.164.24



13 cm	<b>40.168.13</b>
19 cm	<b>40.168.19</b>

**TOENNIS**  
 40.168.13 - 40.168.19



**HALLE**  
 40.170.20  
 20 cm



**CASPAR**  
 40.171.01  
 4.5 mm



**CASPAR**  
 40.171.02  
 4.5 mm



**CASPAR**  
 40.171.03  
 2 mm



**CASPAR**  
40.173.01  
1 mm



**CASPAR**  
40.173.02  
1 mm



**CASPAR**  
40.173.03  
1 mm



**DEWIMED**  
40.188.11  
11 cm



**DEWIMED**  
40.190.10  
1.0 mm



**DEWIMED**  
40.190.18  
1.8 mm



**DEWIMED**  
40.191.01



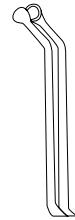
**FISCH**  
40.191.02  
18.5 cm



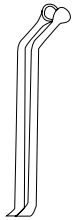
**ADSON**  
40.210.23 - 40.213.23  
23 cm



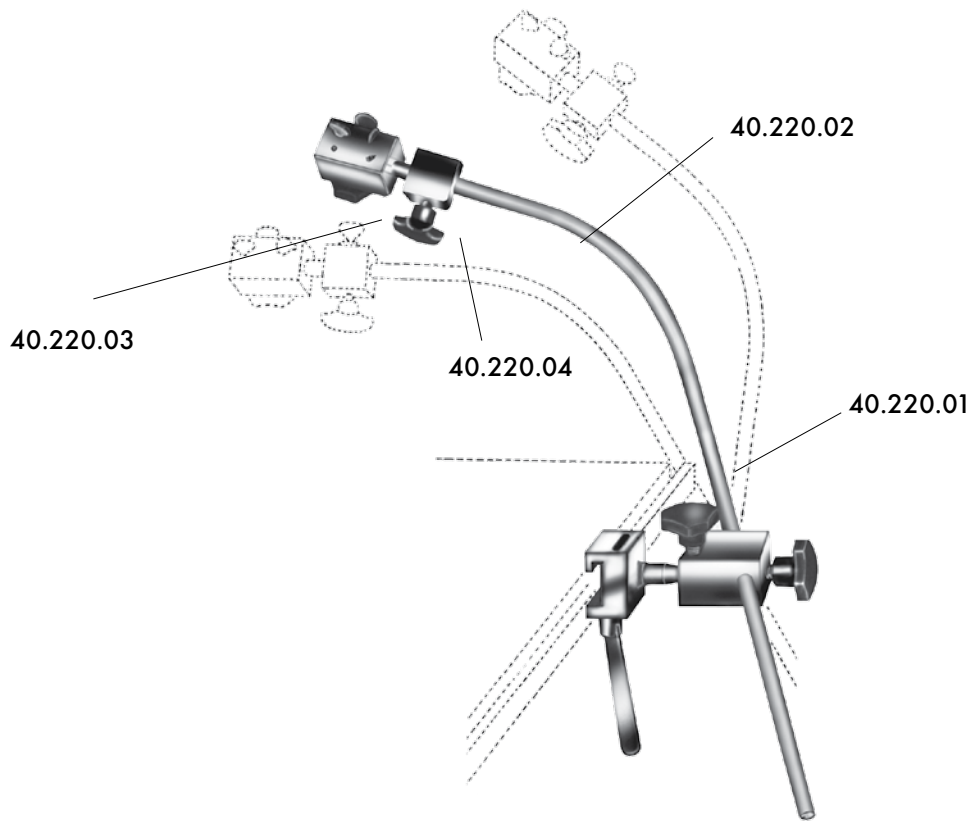
40.210.23



40.211.23



40.213.23



**LEYLA**  
**40.222.02**  
 set content:

**40.220.01**  
*ball and socket joint, articulated*

**40.220.02**  
*holding rod for fixation*

**40.220.03**  
*coupling head for flexible arms max*

**40.220.04**  
*coupling head rotatable*

**40.220.07**  
*fixation base for 1 arm at rigid arm (2)*

**40.220.08**  
*flexible arm only (2)*

**40.220.09**  
*holder for flat brain spatula (2)*

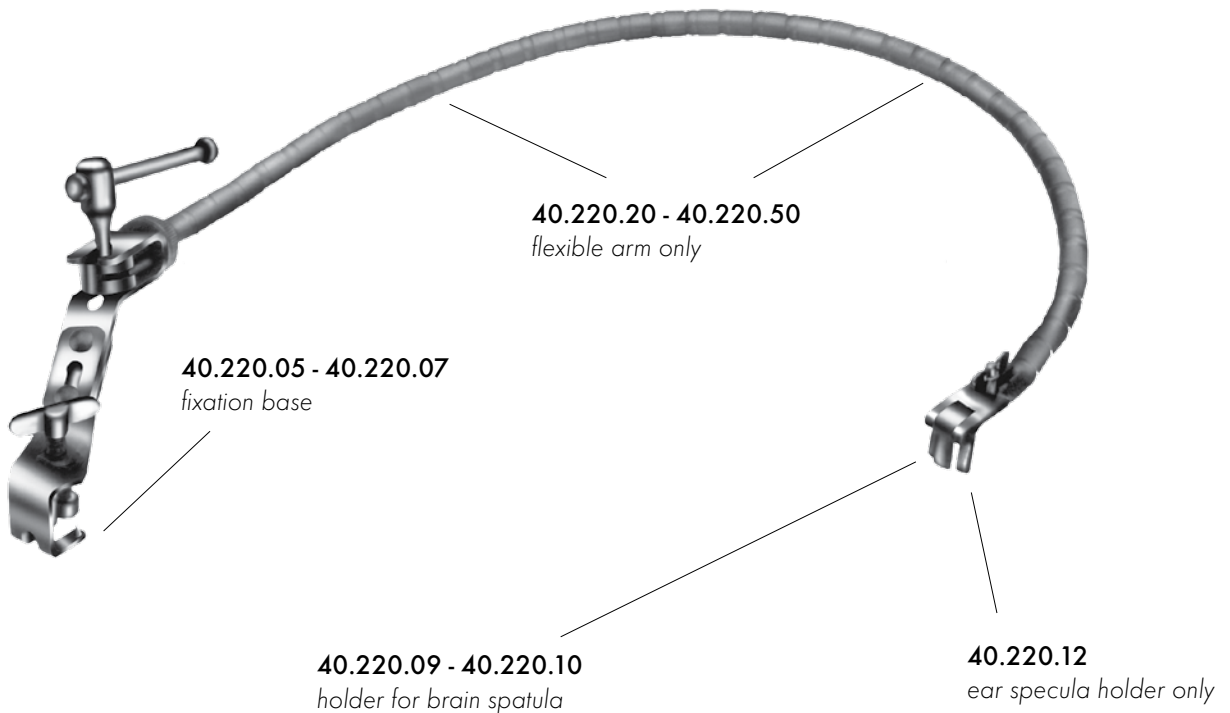
**LEYLA**  
**40.221.01**  
 set for fixation to operating table sideralis  
 consisting of:

**40.220.01**  
*ball and socket join, articulated*

**40.220.02**  
*holding rod for fixation*

**40.220.03**  
*coupling head rotatable*

**40.220.04**  
*coupling head rotatable*



**LEYLA**  
**40.220.05**  
fixation base for 1 arm at skull



**LEYLA**  
**40.220.09**  
holder for flat brain spatula



**LEYLA**  
**40.220.06**  
fixation base for 2 arms at skull



**LEYLA**  
**40.220.10**  
holder for brain spatula with round stem



**LEYLA**  
**40.220.07**  
fixation base for 1 arms at rigid arm

flexible arm only

20 cm	<b>40.220.20</b>
30 cm	<b>40.220.30</b>
40 cm	<b>40.220.40</b>
50 cm	<b>40.220.50</b>

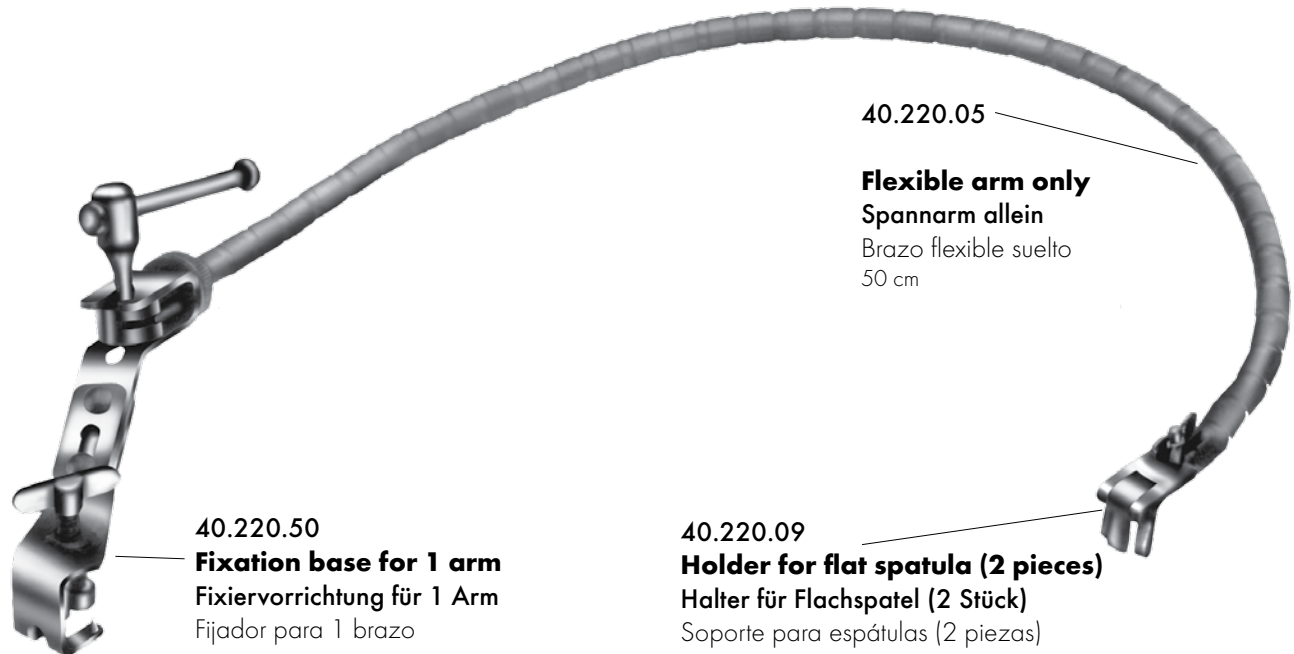


**LEYLA**  
**40.220.12**  
ear specula holder only



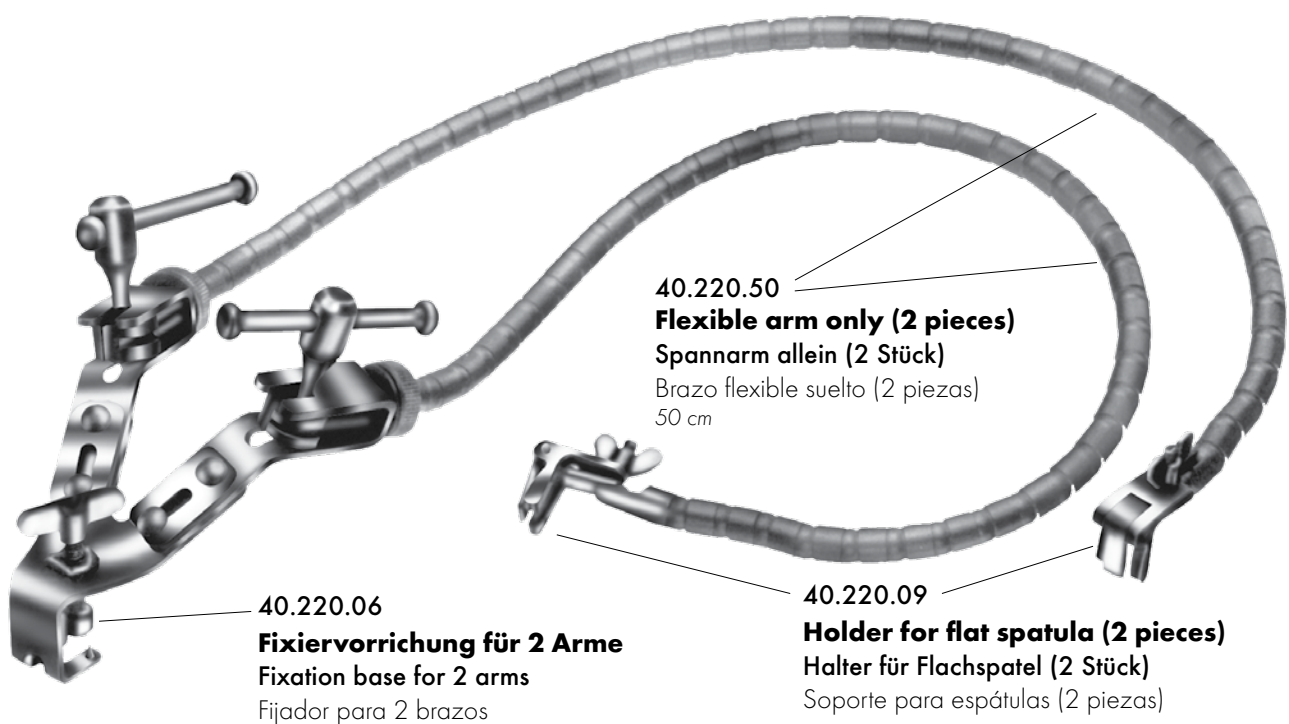
LEYLA  
40.221.00

**Retractor, self retaining, flexible, for flat spatula, with 1 flexible arm complete, consisting of:**  
Spatelhalter, selbsthaltend, flexibel, für flache Spatel, mit 1 Spannarm, komplett, bestehend aus:  
Separador autorretentivo, flexible, para espátulas llanas, con 1 brazo flexible completo, compuesto de:

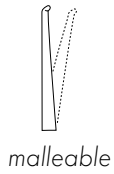


LEYLA  
40.222.00

**Spatelhalter, selbsthaltend, flexibel, für flache Spatel, mit 2 Spannarmen, komplett, bestehend aus:**  
Retractor, self retaining, flexible, for flat spatula, with 2 flexible arms complete, consisting of:  
Separador autorretentivo, flexible, para espátulas llanas, con 2 brazos flexible completo, compuesto de:







**40.230.03**  
3 teeth 3 mm  
15 cm

**40.230.06**  
4 teeth 6 mm  
15 cm

**40.231.02**  
round 2 mm  
15 cm

**40.231.04**  
round 4 mm  
15 cm

**40.231.06**  
round 6 mm  
15 cm

**40.232.03**  
3 teeth 3 mm  
18 cm

**40.232.06**  
4 teeth 6 mm  
18 cm

**40.233.02**  
round 2 mm  
18 cm

**40.233.04**  
round 4 mm  
18 cm

**40.233.06**  
round 6 mm  
18 cm

**DEWIMED**  
**40.230.03 - 40.40.231.06**  
cerebral spatulas  
stainless steel, coated



15 cm	2 mm	<b>40.234.02</b>
15 cm	4 mm	<b>40.234.04</b>
15 cm	6 mm	<b>40.234.06</b>
18 cm	2 mm	<b>40.236.02</b>
18 cm	4 mm	<b>40.236.04</b>
18 cm	6 mm	<b>40.236.06</b>

**DEWIMED**  
**40.234.02 - 40.236.06**



10 mm	<b>40.238.10</b>
15 mm	<b>40.238.15</b>
20 mm	<b>40.238.20</b>

**DEWIMED**  
**40.238.10 - 40.238.20**  
14 cm



10 mm	<b>40.240.10</b>
15 mm	<b>40.240.15</b>
20 mm	<b>40.240.20</b>
30 mm	<b>40.240.30</b>

**DEWIMED**  
**40.240.10 - 40.240.30**  
21 cm



7 / 9 mm	<b>40.250.07</b>
11 / 13 mm	<b>40.250.11</b>
15 / 18 mm	<b>40.250.15</b>
18 / 22 mm	<b>40.250.18</b>

**CUSHING**  
 40.250.07 - 40.250.18  
 18 cm



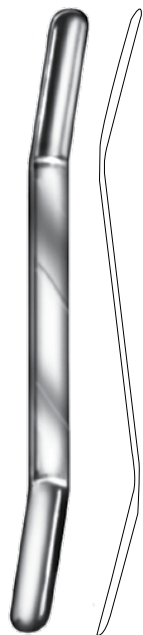
7 / 9 mm	<b>40.253.07</b>
11 / 13 mm	<b>40.253.11</b>
15 / 18 mm	<b>40.253.15</b>
18 / 22 mm	<b>40.253.18</b>

**OLIVECRONA**  
 40.253.07 - 40.253.18  
 18 cm



10 / 13 mm	<b>40.254.10</b>
16 / 19 mm	<b>40.254.16</b>

**SCOVILLE**  
 40.254.10 - 40.254.16  
*malleable*  
 20 cm



7/9 mm	<b>40.255.07</b>
11/13 mm	<b>40.255.11</b>
15/18 mm	<b>40.255.15</b>
18/22 mm	<b>40.255.18</b>

**OLIVECRONA**  
 40.255.07 - 40.255.18  
 18 cm



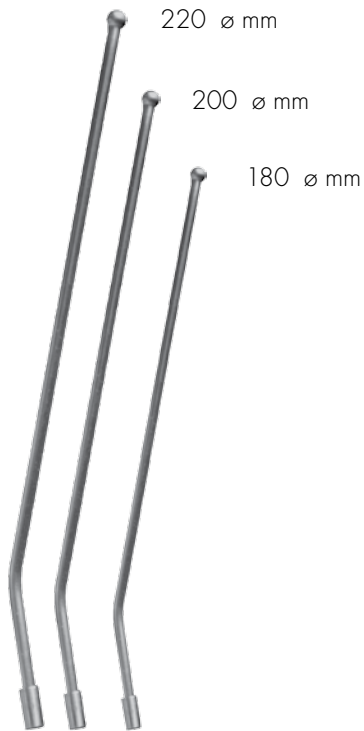
7+8 mm	<b>40.256.07</b>
10+11 mm	<b>40.256.10</b>
13+14 mm	<b>40.256.13</b>
16+17 mm	<b>40.256.16</b>
19+20 mm	<b>40.256.19</b>
22+25 mm	<b>40.256.22</b>

**AACHEN**  
 40.256.07 - 40.256.22



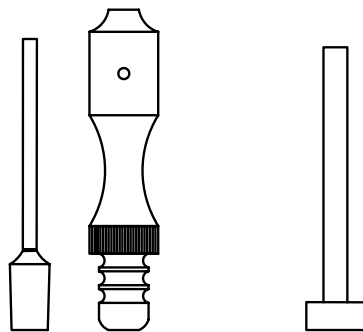
8 mm	<b>40.260.08</b>
11 mm	<b>40.260.11</b>
14 mm	<b>40.260.14</b>
17 mm	<b>40.260.17</b>

**HEIFETZ**  
 40.260.08 - 40.260.17



2.3 ø mm / 7 charr	30 °	18 cm	<b>40.282.18</b>
2.3 ø mm / 7 charr	30 °	20 cm	<b>40.282.20</b>
2.3 ø mm / 7 charr	30 °	22 cm	<b>40.282.22</b>
3 ø mm / 9 charr	30 °	18 cm	<b>40.283.18</b>
3 ø mm / 9 charr	30 °	20 cm	<b>40.283.20</b>
3 ø mm / 9 charr	30 °	22 cm	<b>40.283.22</b>
3.3 ø mm / 10 charr	30 °	18 cm	<b>40.284.18</b>
3.3 ø mm / 10 charr	30 °	20 cm	<b>40.284.20</b>
3.3 ø mm / 10 charr	30 °	22 cm	<b>40.284.22</b>
4 ø mm / 12 charr	30 °	18 cm	<b>40.285.18</b>
4 ø mm / 12 charr	30 °	20 cm	<b>40.285.20</b>
4 ø mm / 12 charr	30 °	22 cm	<b>40.285.22</b>

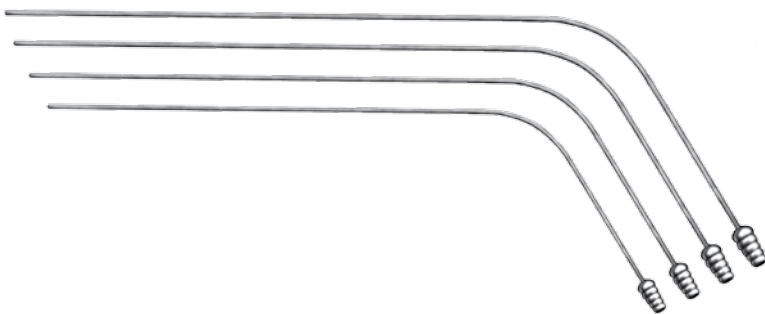
**ASPIRATOR**  
*demountable*



**40.280.00**  
*adaptador base*

**40.280.01**  
*pin botador*

1.5 mm	13 cm	<b>40.286.13</b>
1.5 mm	15 cm	<b>40.286.15</b>
1.5 mm	18 cm	<b>40.286.18</b>
1.5 mm	22 cm	<b>40.286.12</b>
2 mm	13 cm	<b>40.287.13</b>
2 mm	15 cm	<b>40.287.15</b>
2 mm	18 cm	<b>40.287.18</b>
2 mm	22 cm	<b>40.287.22</b>
2.5 mm	13 cm	<b>40.288.13</b>
2.5 mm	15 cm	<b>40.288.15</b>
2.5 mm	18 cm	<b>40.288.18</b>
2.5 mm	22 cm	<b>40.288.22</b>
3.5 mm	13 cm	<b>40.289.13</b>
3.5 mm	15 cm	<b>40.289.15</b>
3.5 mm	18 cm	<b>40.289.18</b>
3.5 mm	22 cm	<b>40.289.22</b>



**YASAGIL**  
40.286.13 - 40.289.22



30°	6 charr	12 cm	<b>40.293.06</b>
	8 charr	12 cm	<b>40.293.08</b>
	10 charr	12 cm	<b>40.293.10</b>
30°	12 charr	12 cm	<b>40.293.12</b>
	6 charr	19 cm	<b>40.295.06</b>
	7 charr	19 cm	<b>40.295.07</b>
30°	8 charr	19 cm	<b>40.295.08</b>
	9 charr	19 cm	<b>40.295.09</b>
	10 charr	19 cm	<b>40.295.10</b>
30°	11 charr	19 cm	<b>40.295.11</b>
	12 charr	19 cm	<b>40.295.12</b>
	15 charr	19 cm	<b>40.295.15</b>
75°	6 charr	19 cm	<b>40.297.06</b>
	7 charr	19 cm	<b>40.297.07</b>
	8 charr	19 cm	<b>40.297.08</b>
75°	9 charr	19 cm	<b>40.297.09</b>
	10 charr	19 cm	<b>40.297.10</b>
	11 charr	19 cm	<b>40.297.11</b>
75°	12 charr	19 cm	<b>40.297.12</b>

**ADSON**  
**40.290.14**    **40.290.21**  
 ø 4 mm        ø 4 mm  
 14 cm         21 mm



**FERGUSSON**  
**40.291.04**  
 ø 4 mm  
 18 cm



**FRAZIER**  
**40.293.06 - 40.297.12**



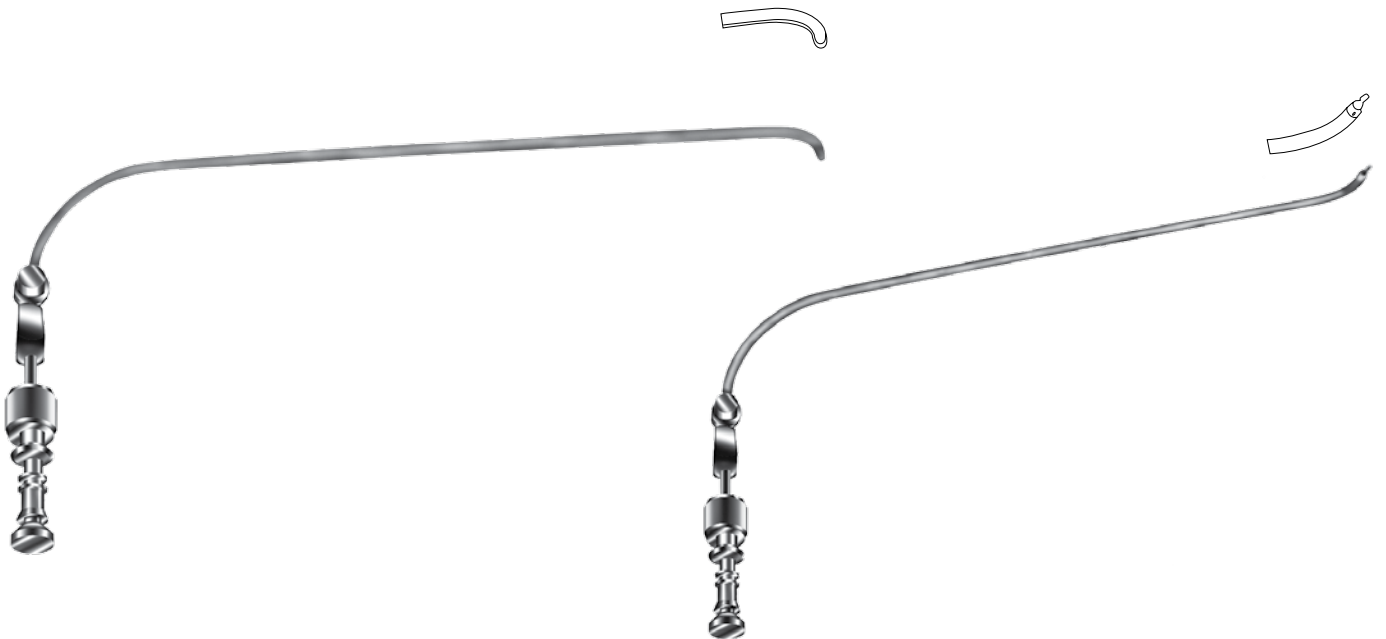
2 mm	40.298.08
2.5 mm	40.298.10
3 mm	40.298.12

**FRAZIER**  
40.298.08 - 40.298.12  
17.5 cm



12 G	40.302.12
13 G	40.302.13
14 G	40.302.14
15 G	40.302.15
16 G	40.302.16
17 G	40.302.17
18 G	40.302.18
20 G	40.302.20

**CONE**  
40.302.12 - 40.302.20  
2 perforation  
9 cm



**HARDY**  
40.310.18  
*left*  
7 Charr

**HARDY**  
40.311.18  
*right*  
7 Charr



**DECKER**  
 40.350.05      40.351.05  
 straight      curved  
 5 mm / 14 cm      5 mm / 14 cm



**CLOWARD**  
 40.401.16      40.402.13  
 vertebral      cervical



**INGE**  
 40.405.17      40.405.27  
 17 cm      27 cm



**DECKER**      40.414.02  
 40.413.02      15 cm straight  
 15 cm curved left      2 x 6 mm  
 2 x 6 mm



**CUSHING**

**40.420.01**

2 x 10 mm  
12.5 cm

**40.422.01**

2 x 10 mm  
18 cm



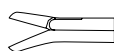
**CUSHING**

**40.420.02**

2 x 10 mm  
12.5 cm

**40.422.02**

2 x 10 mm  
18 cm



**CUSHING**

**40.420.03**

2 x 10 mm  
12.5 cm

**40.422.03**

2 x 10 mm  
18 cm



**CUSHING**

**40.420.01 - 40.422.03**



**LOVE GRUENW**

**40.430.01**

3 x 10 mm  
12.5 cm

**40.432.01**

3 x 10 mm  
18 cm



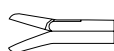
**LOVE GRUENW**

**40.430.02**

3 x 10 mm  
12.5 cm

**40.432.02**

3 x 10 mm  
18 cm



**LOVE GRUENW**

**40.430.03**

3 x 10 mm  
12.5 cm

**40.432.03**

3 x 10 mm  
18 cm



**SPURLING**

**40.440.01**

4 x 10 mm  
12.5 cm

**40.442.01**

4 x 10 mm  
18 cm



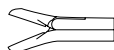
**SPURLING**

**40.440.02**

4 x 10 mm  
12.5 cm

**40.442.02**

4 x 10 mm  
18 cm



**SPURLING**

**40.440.03**

4 x 10 mm  
12.5 cm

**40.442.03**

4 x 10 mm  
18 cm



**PEAPOD**

**40.415.02**

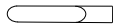
2 x 6 mm  
14 cm curved up



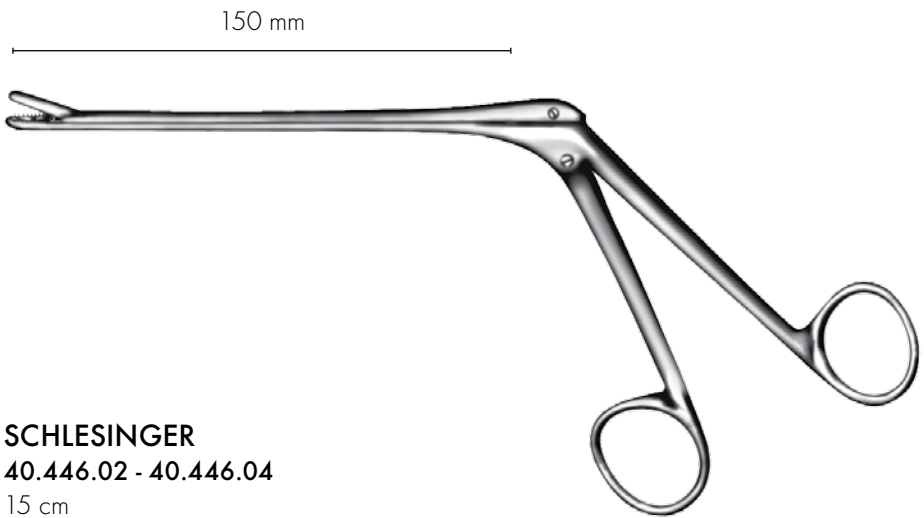
**OLDBERG**

**40.445.25**

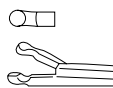
25 cm



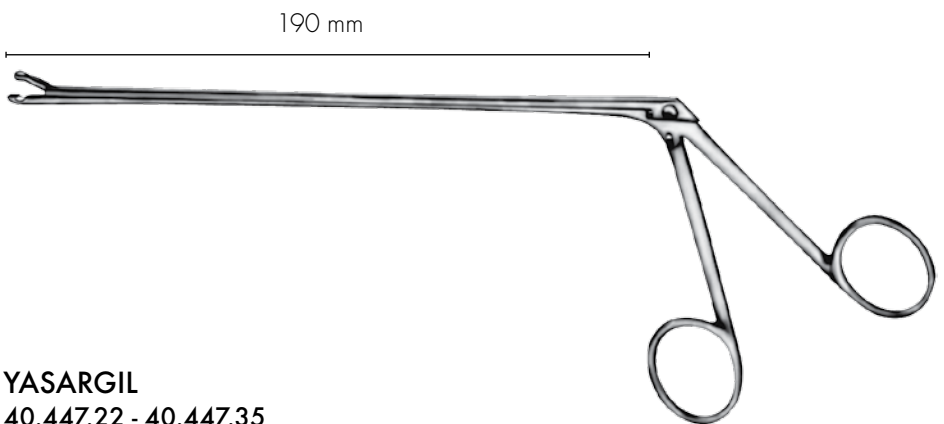
2x10 mm	<b>40.446.02</b>
3x10 mm	<b>40.446.03</b>
4x10 mm	<b>40.446.04</b>



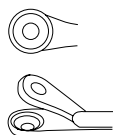
**SCHLESINGER**  
 40.446.02 - 40.446.04  
 15 cm



2.2 mm	<b>40.447.22</b>
3.5 mm	<b>40.447.35</b>

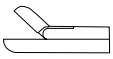
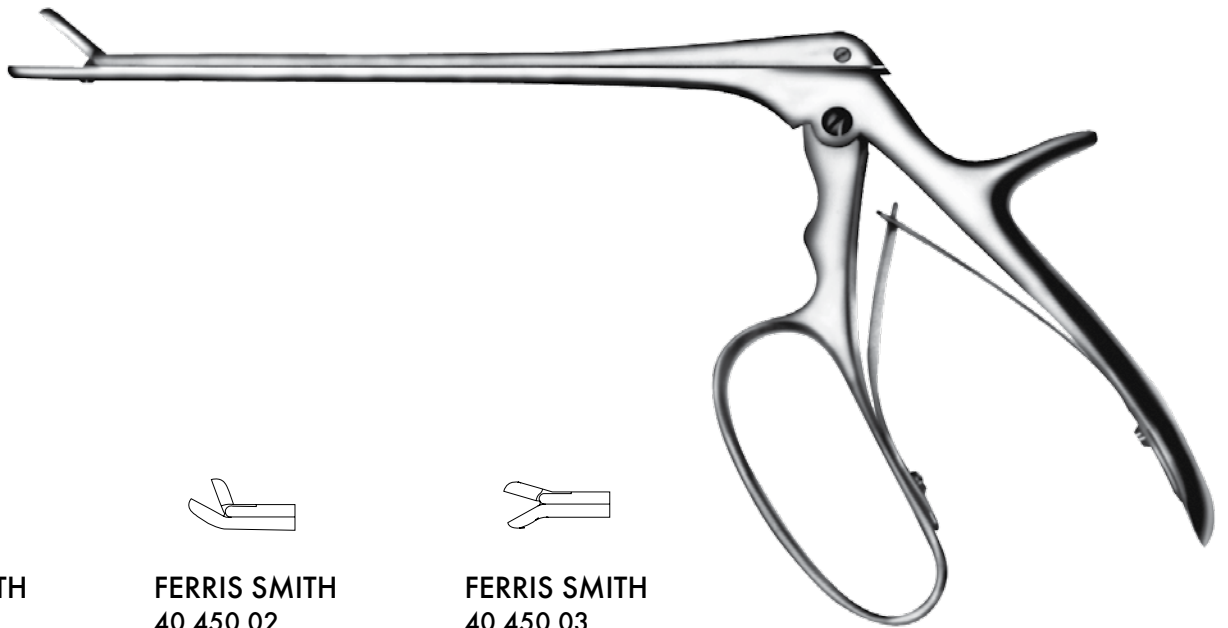


**YASARGIL**  
 40.447.22 - 40.447.35



**LANDOLT**  
 40.448.20  
 20 cm

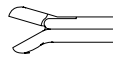




**FERRIS SMITH**  
**40.450.01**  
3 x 10 mm  
16 cm



**FERRIS SMITH**  
**40.450.02**  
3 x 10 mm  
16 cm



**FERRIS SMITH**  
**40.450.03**  
3 x 10 mm  
16 cm

**FERRIS SMITH**  
**40.450.01 - 40.455.07**

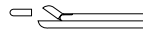
**40.452.01**  
3 x 10 mm  
18 cm

**40.452.02**  
3 x 10 mm  
18 cm

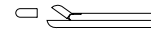
**40.452.03**  
3 x 10 mm  
18 cm



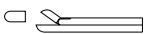
**FERRIS SMITH CUSHING**  
**40.454.02**  
2 x 10 mm  
18 cm



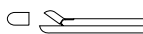
**FERRIS SMITH CUSHING**  
**40.454.03**  
3 x 10 mm  
18 cm



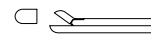
**FERRIS SMITH CUSHING**  
**40.454.04**  
4 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.454.05**  
5 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.454.06**  
6 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.454.07**  
7 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.455.02**  
2 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.455.03**  
3 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.455.04**  
4 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.455.05**  
5 x 10 mm  
18 cm



**FERRIS SMITH CUSHING**  
**40.455.06**  
6 x 10 mm  
18 cm



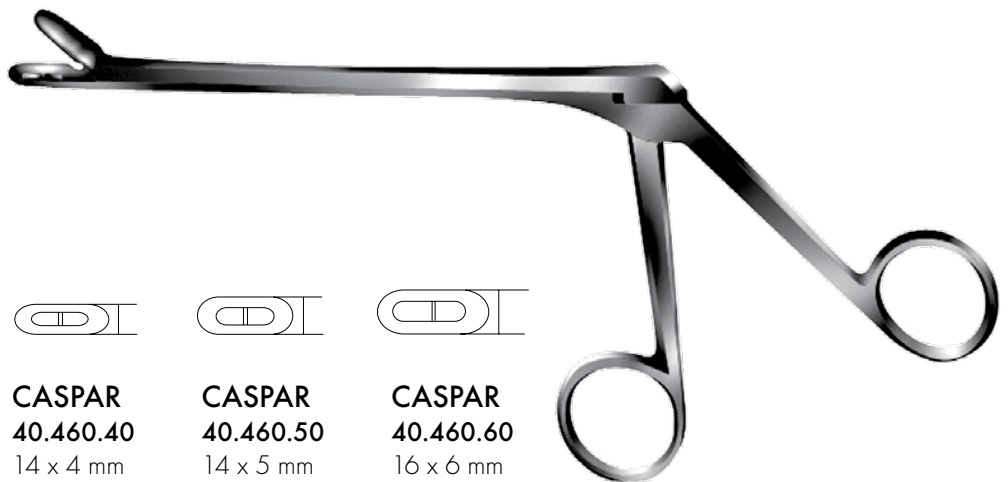
**FERRIS SMITH CUSHING**  
**40.455.07**  
7 x 10 mm  
18 cm



**CASPAR**  
 40.456.14      40.456.18  
 4 mm            4 mm  
 14 cm          18 cm



**WAGNER**  
 40.458.20  
 4 mm  
 20 cm



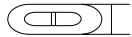
**CASPAR**  
 40.460.20 - 40.460.60  
 14 cm



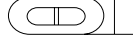
**CASPAR**  
 40.460.20  
 12 x 2 mm



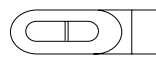
**CASPAR**  
 40.460.30  
 12 x 3 mm



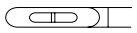
**CASPAR**  
 40.460.40  
 14 x 4 mm



**CASPAR**  
 40.460.50  
 14 x 5 mm



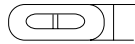
**CASPAR**  
 40.460.60  
 16 x 6 mm



**CASPAR**  
**40.461.25**  
12 x 2.5 mm



**CASPAR**  
**40.461.40**  
14 x 4 mm



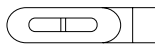
**CASPAR**  
**40.461.50**  
14 x 5 mm



**CASPAR**  
**40.461.20 - 40.461.50**  
14 cm



**CASPAR**  
**40.463.20**  
12 x 2 mm



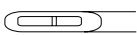
**CASPAR**  
**40.463.25**  
12 x 2.5 mm



**CASPAR**  
**40.463.40**  
14 x 4 mm



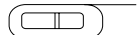
**CASPAR**  
**40.463.20 - 40.463.40**  
14 cm



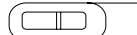
**CASPAR**  
**40.464.20**  
12 x 2 mm



**CASPAR**  
**40.464.30**  
12 x 3 mm



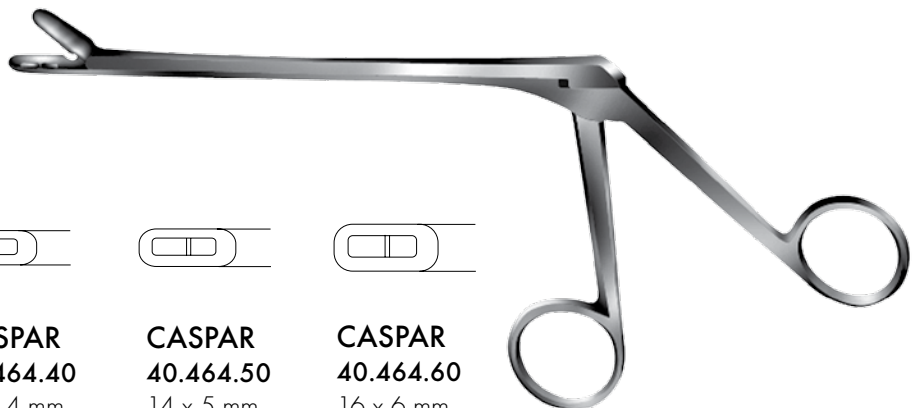
**CASPAR**  
**40.464.40**  
14 x 4 mm



**CASPAR**  
**40.464.50**  
14 x 5 mm



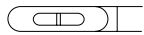
**CASPAR**  
**40.464.60**  
16 x 6 mm



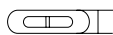
**CASPAR**  
**40.464.20 - 40.464.60**  
16 cm



**CASPAR**  
 40.465.20  
 12 x 2 mm



**CASPAR**  
 40.465.25  
 12 x 2.5 mm



**CASPAR**  
 40.465.40  
 14 x 4 mm



**CASPAR**  
 40.465.50  
 14 x 5 mm



**CASPAR**  
 40.465.20 - 40.465.50  
 16 cm



**CASPAR**  
 40.467.20  
 12 x 2 mm



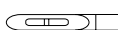
**CASPAR**  
 40.467.25  
 12 x 2.5 mm



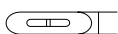
**CASPAR**  
 40.467.40  
 14 x 4 mm



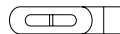
**CASPAR**  
 40.467.20 - 40.467.40  
 16 cm



**CASPAR**  
 40.468.20  
 12 x 2 mm



**CASPAR**  
 40.468.30  
 12 x 3 mm



**CASPAR**  
 40.468.40  
 12 x 4 mm



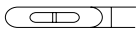
**CASPAR**  
 40.468.50  
 12 x 5 mm



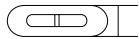
**CASPAR**  
 40.468.60  
 12 x 6 mm



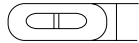
**CASPAR**  
 40.468.20 - 40.468.60  
 18.5 cm



**CASPAR**  
**40.469.30**  
12 x 3 mm



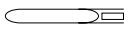
**CASPAR**  
**40.469.40**  
12 x 4 mm



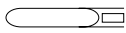
**CASPAR**  
**40.469.50**  
12 x 5 mm



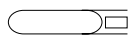
**CASPAR**  
**40.469.30 - 40.469.50**  
18.5 cm



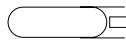
**CASPAR**  
**40.470.02**  
2 mm long



**CASPAR**  
**40.470.03**  
3 mm long



**CASPAR**  
**40.470.04**  
4 mm long



**CASPAR**  
**40.470.05**  
5 mm long



**CASPAR**  
**40.470.02 - 40.470.05**  
15.5 cm



**CASPAR**  
**40.471.02**  
2 mm



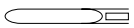
**CASPAR**  
**40.471.03**  
3 mm



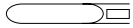
**CASPAR**  
**40.471.04**  
4 mm



**CASPAR**  
**40.471.02 - 40.471.04**  
15.5 cm



**CASPAR**  
 40.473.02  
 2 mm



**CASPAR**  
 40.473.03  
 3 mm



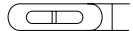
**CASPAR**  
 40.473.04  
 4 mm



**CASPAR**  
 40.473.02 - 40.473.04  
 15.5 cm



**CASPAR**  
 40.475.30  
 12 x 3 mm



**CASPAR**  
 40.475.40  
 14 x 4 mm



**CASPAR**  
 40.475.30 - 40.475.40  
 18.5 cm



width

1 mm	40.506.01	40.506.01 Z
2 mm	40.506.02	40.506.02 Z
3 mm	40.506.03	40.506.03 Z
4 mm	40.506.04	40.506.04 Z
5 mm	40.506.05	40.506.05 Z
6 mm	40.506.06	40.506.06 Z



**FERRIS SMITH KERRISON**  
 40.506.01 - 40.506.06 Z  
 20 cm



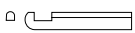
40° up

width

1 mm	<b>40.507.01</b>	<b>40.507.01 Z</b>
2 mm	<b>40.507.02</b>	<b>40.507.02 Z</b>
3 mm	<b>40.507.03</b>	<b>40.507.03 Z</b>
4 mm	<b>40.507.04</b>	<b>40.507.04 Z</b>
5 mm	<b>40.507.05</b>	<b>40.507.05 Z</b>
6 mm	<b>40.507.06</b>	<b>40.507.06 Z</b>



**FERRIS SMITH KERRISON**  
40.507.01 - 40.507.06 Z  
20 cm



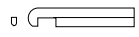
90° up

width

1 mm	<b>40.510.01</b>	<b>40.510.01 Z</b>
2 mm	<b>40.510.02</b>	<b>40.510.02 Z</b>
3 mm	<b>40.510.03</b>	<b>40.510.03 Z</b>
4 mm	<b>40.510.04</b>	<b>40.510.04 Z</b>
5 mm	<b>40.510.05</b>	<b>40.510.05 Z</b>
6 mm	<b>40.510.06</b>	<b>40.510.06 Z</b>



**FERRIS SMITH KERRISON**  
40.510.01 - 40.510.06 Z  
18 cm



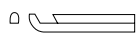
90° down



*width*

1 mm	40.511.01	40.511.01 Z
2 mm	40.511.02	40.511.02 Z
3 mm	40.511.03	40.511.03 Z
4 mm	40.511.04	40.511.04 Z
5 mm	40.511.05	40.511.05 Z
6 mm	40.511.06	40.511.06 Z

**FERRIS SMITH KERRISON**  
 40.511.01 - 40.511.06 Z  
 18 cm



40° up

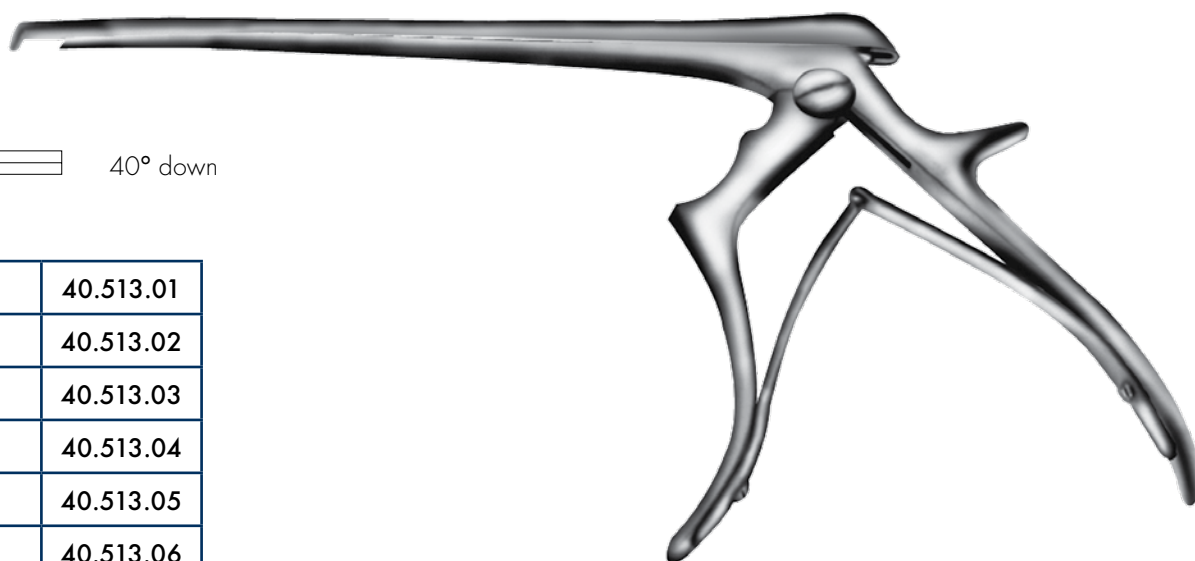


*width*

1 mm	40.512.01	40.512.01 Z
2 mm	40.512.02	40.512.02 Z
3 mm	40.512.03	40.512.03 Z
4 mm	40.512.04	40.512.04 Z
5 mm	40.512.05	40.512.05 Z
6 mm	40.512.06	40.512.06 Z

**FERRIS SMITH KERRISON**  
 40.512.01 - 40.512.06 Z  
 18 cm



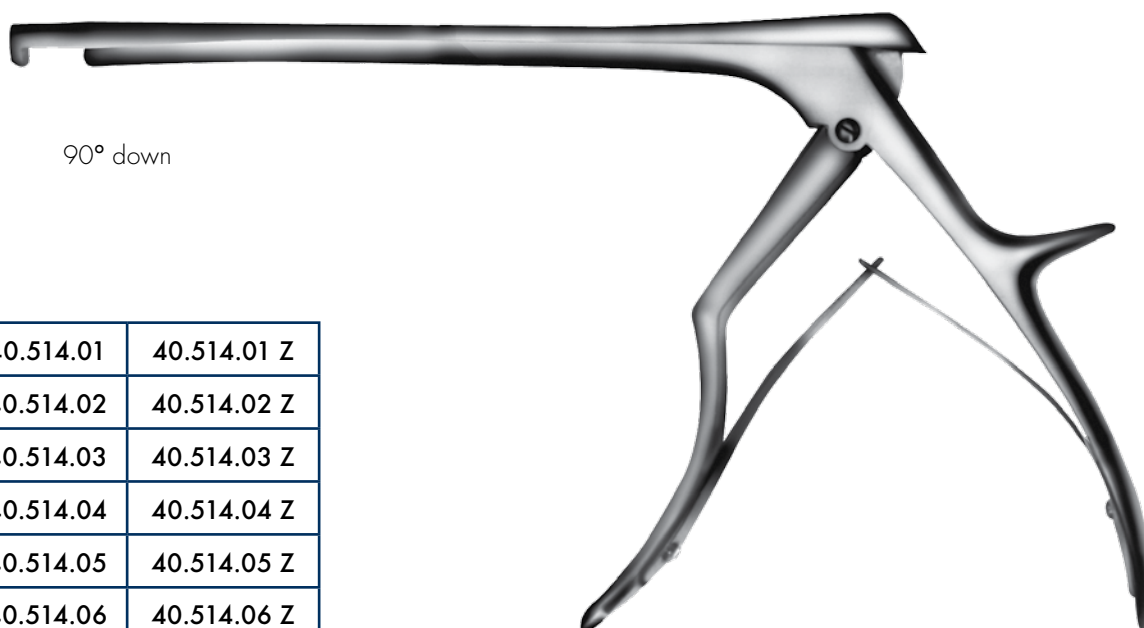


 40° down

*width*

1 mm	<b>40.513.01</b>
2 mm	<b>40.513.02</b>
3 mm	<b>40.513.03</b>
4 mm	<b>40.513.04</b>
5 mm	<b>40.513.05</b>
6 mm	<b>40.513.06</b>

**FERRIS SMITH KERRISON**  
**40.513.01 - 40.513.06**  
18 cm

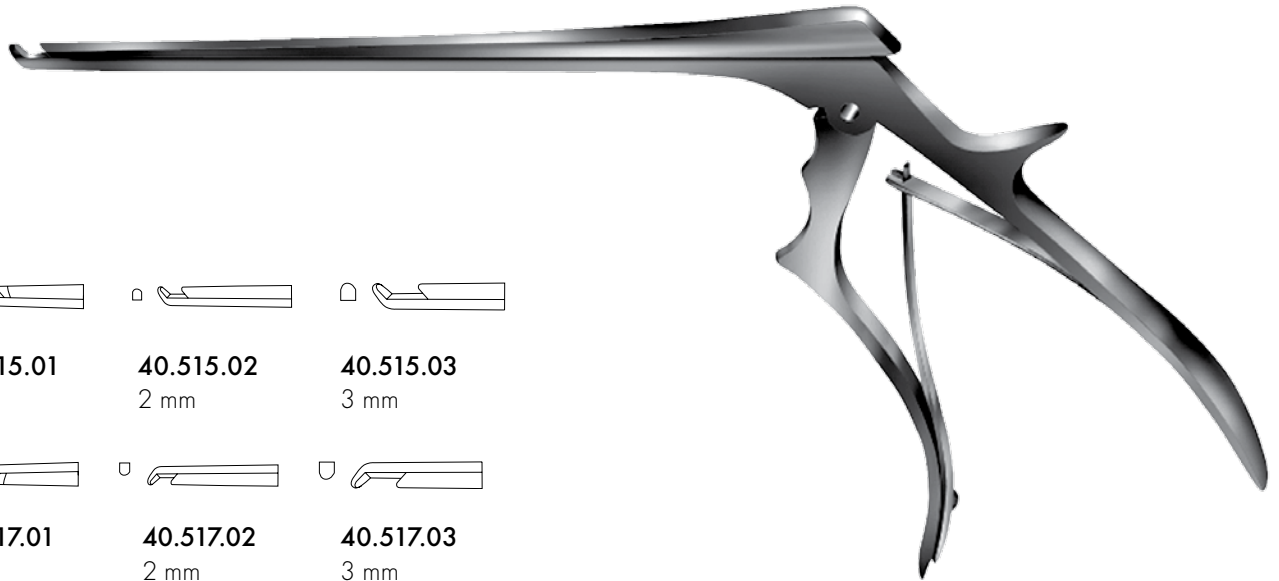


 90° down

*width*

1 mm	<b>40.514.01</b>	<b>40.514.01 Z</b>
2 mm	<b>40.514.02</b>	<b>40.514.02 Z</b>
3 mm	<b>40.514.03</b>	<b>40.514.03 Z</b>
4 mm	<b>40.514.04</b>	<b>40.514.04 Z</b>
5 mm	<b>40.514.05</b>	<b>40.514.05 Z</b>
6 mm	<b>40.514.06</b>	<b>40.514.06 Z</b>

**FERRIS SMITH KERRISON**  
**40.514.01 - 40.514.06 Z**  
20 cm



**40.515.01**  
1 mm

**40.515.02**  
2 mm

**40.515.03**  
3 mm

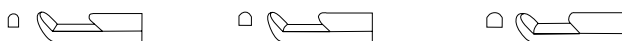


**40.517.01**  
1 mm

**40.517.02**  
2 mm

**40.517.03**  
3 mm

**FERRIS SMITH KERRISON**  
 40.515.01 - 40.517.03  
 17.5 cm

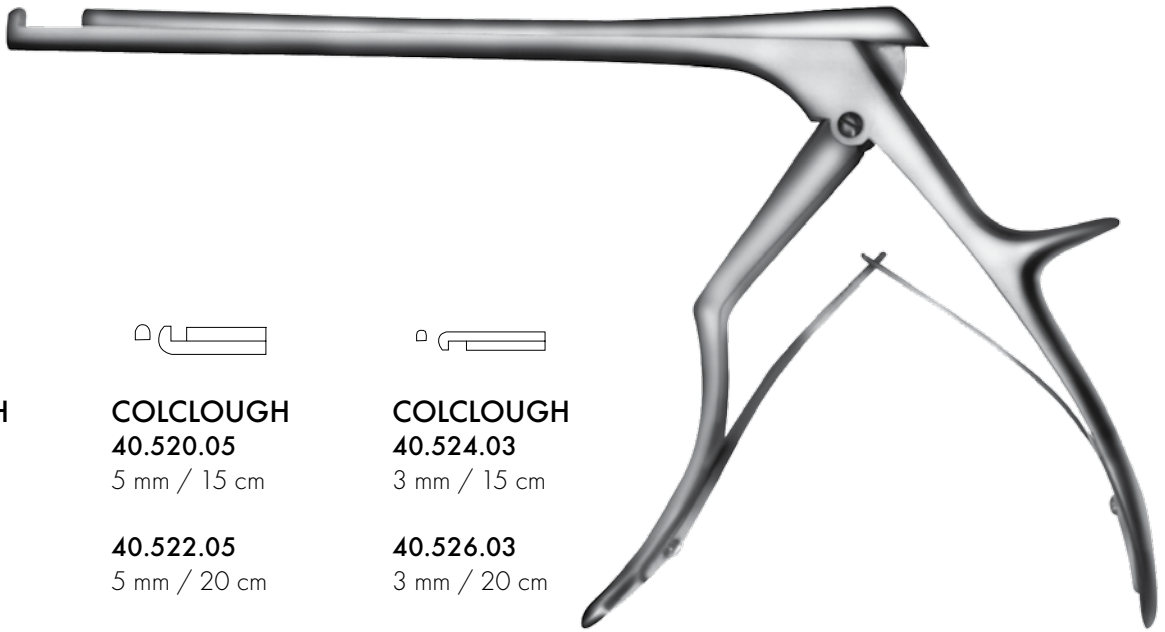


**40.519.04**  
20 cm  
open 17 / 4 mm

**40.519.05**  
20 cm  
open 17 / 5 mm

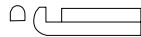
**40.519.06**  
20 cm  
open 17 / 6 mm

**FERRIS SMITH KERRISON**  
 40.519.04 - 40.519.06



**COLCLOUGH**  
**40.520.03**  
3 mm / 15 cm

**40.522.03**  
3 mm / 20 cm



**COLCLOUGH**  
**40.520.05**  
5 mm / 15 cm

**40.522.05**  
5 mm / 20 cm



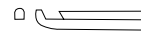
**COLCLOUGH**  
**40.524.03**  
3 mm / 15 cm

**40.526.03**  
3 mm / 20 cm



**COLCLOUGH**  
**40.524.05**  
5 mm / 15 cm

**40.526.05**  
5 mm / 20 cm



**COLCLOUGH**  
**40.527.03**  
3 mm / 15 cm

**40.529.03**  
3 mm / 20 cm



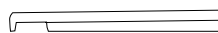
**COLCLOUGH**  
**40.527.05**  
5 mm / 15 cm

**40.529.05**  
5 mm / 20 cm

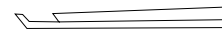
**COLCLOUGH**  
**40.520.03 - 40.529.05**



**SCHLESING**  
**40.530.03 - 40.532.05**



**SCHLESING**  
**40.534.03 - 40.536.05**

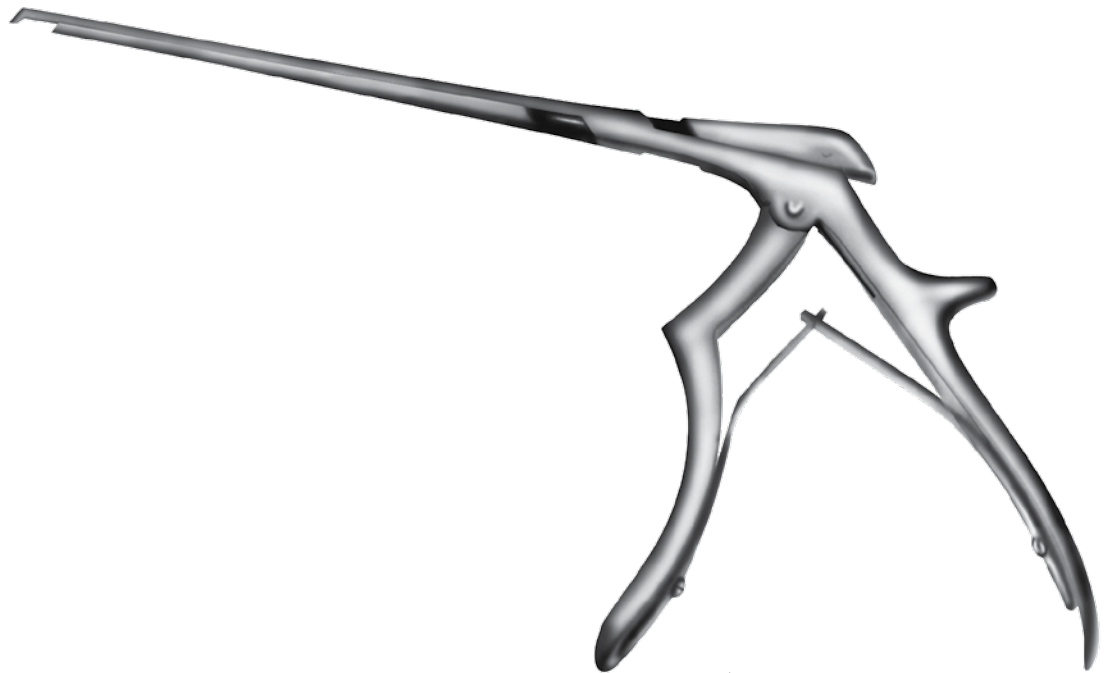


**SCHLESING**  
**40.538.03 - 40.540.05**  
40°

3 mm/15 cm	<b>40.530.03</b>
5 mm/15 cm	<b>40.530.05</b>
3 mm/20 cm	<b>40.532.03</b>
5 mm/20 cm	<b>40.532.05</b>

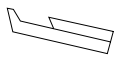
3 mm/15 cm	<b>40.534.03</b>
5 mm/15 cm	<b>40.534.05</b>
3 mm/20 cm	<b>40.536.03</b>
5 mm/20 cm	<b>40.536.05</b>

3 mm/15 cm	<b>40.538.03</b>
5 mm/15 cm	<b>40.538.05</b>
3 mm/20 cm	<b>40.540.03</b>
5 mm/20 cm	<b>40.540.05</b>

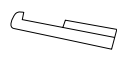


**HARDY**  
 40.550.02 - 40.554.01

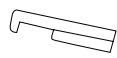
see also punches in chapter 46, eg. 46.303.03 ff.



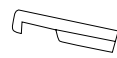
**HARDY**  
 40.550.02  
 40°  
 2 mm / 18 cm



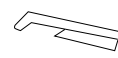
**HARDY**  
 40.551.02  
 90°  
 2 mm / 18 cm



**HARDY**  
 40.552.02  
 90°  
 2 mm / 18 cm



**HARDY**  
 40.553.02  
 40°  
 2 mm / 18 cm



**HARDY**  
 40.554.01  
 40°  
 1mm / 18 cm



**CUSHING LANDOLT**  
 40.801.70 - 40.802.10

70 x 15 mm	<b>40.801.70</b>
90 x 15 mm	<b>40.801.90</b>
110 x 15 mm	<b>40.802.10</b>



**LANDOLT**  
 40.804.21  
 21 cm



**PHYNOX APPLYING FORCEPS**  
*bayonet*  
40.772.21 - 40.774.21



**PHYNOX APPLYING FORCEPS**  
*straight*  
40.774.18 - 40.774.18 T



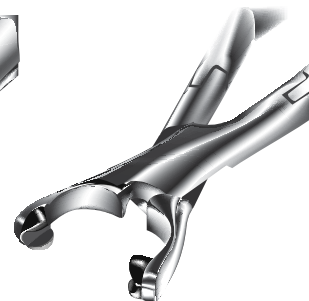
40.774.18 - 40.772.18 T  
*Not rotating*  
180 mm/7"



*Not rotating*



*15° angled*

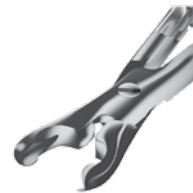


*Rotating*

<b>Normal</b>	<b>40.774.17</b> 170 mm / 6 3/4"	<b>40.771.21</b> 210 mm / 8 1/4"	<b>40.773.21</b> 210 mm / 8 1/4"
	<b>40.774.21</b> 210 mm / 8 1/4"	<b>40.771.23</b> 230 mm / 9"	<b>40.773.23</b> 230 mm / 9"
	<b>40.774.23</b> 230 mm / 9"		
<b>Mini</b>	<b>40.772.17</b> 170 mm / 6 3/4"	<b>40.555.21</b> 210 mm / 8 1/4"	<b>40.556.21</b> 210 mm / 8 1/4"
	<b>40.772.21</b> 210 mm / 8 1/4"	<b>40.555.23</b> 230 mm / 9"	<b>40.556.23</b> 230 mm / 9"
	<b>40.772.23</b> 230 mm / 9"		



Not rotating



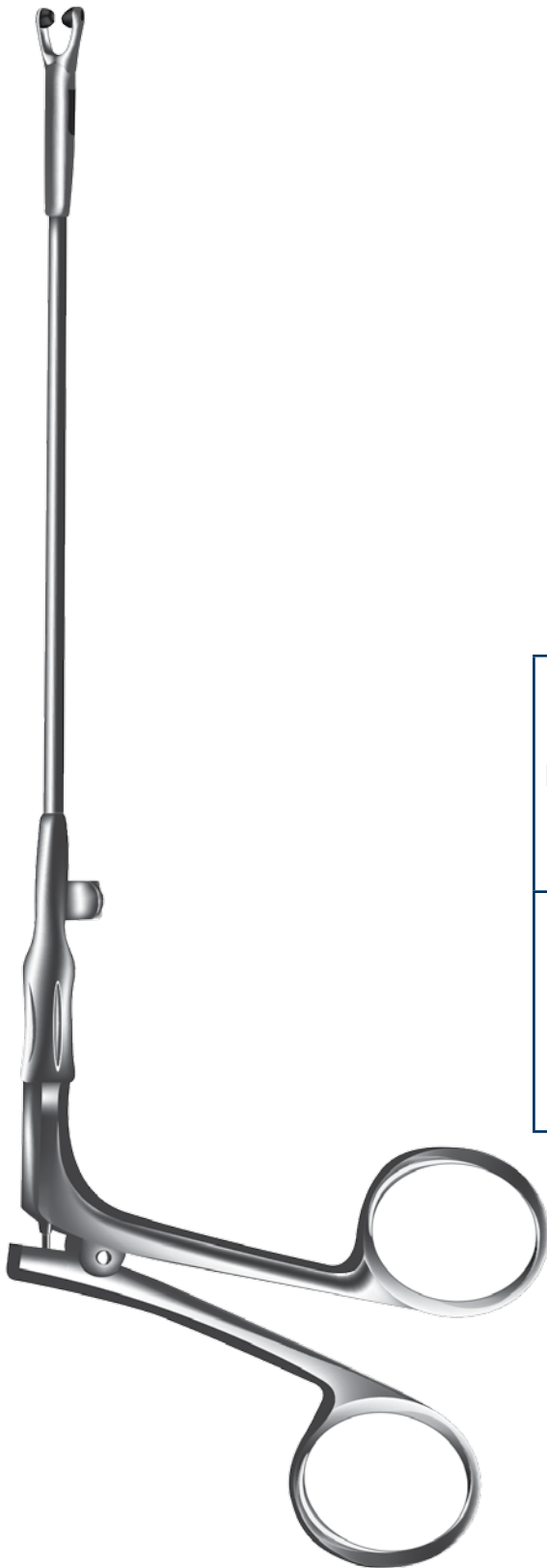
15° angled



Rotating

<b>Normal</b>	<b>40.778.19 T</b> 190 mm / 7 1/2"	<b>40.770.21 T</b> 210 mm / 8 1/4"	<b>40.779.21 T</b> 210 mm / 8 1/4"
	<b>40.778.21 T</b> 210 mm / 8 1/4"	<b>40.770.23 T</b> 230 mm / 9"	<b>40.779.23 T</b> 230 mm / 9"
	<b>40.778.23 T</b> 230 mm / 9"		
<b>Mini</b>	<b>40.776.19 T</b> 190 mm / 7 1/2"	<b>40.557.21 T</b> 210 mm / 8 1/4"	<b>40.777.21 T</b> 210 mm / 8 1/4"
	<b>40.776.21 T</b> 210 mm / 8 1/4"	<b>40.557.23 T</b> 230 mm / 9"	<b>40.777.23 T</b> 230 mm / 9"
	<b>40.776.23 T</b> 230 mm / 9"		

**TITANIUM APPLYING FORCEPS**  
**40.777.21 T - 40.779.21 T**



360° rotatable

Rotating

<b>Normal</b>	<b>40.778.90 T</b> <b>40.778.90</b> 160 mm / 6 1/4"	<b>40.778.91 T</b> <b>40.778.91</b> 160 mm / 6 1/4"
	<b>40.778.10 T</b> <b>40.778.10</b> 180 mm / 7"	<b>40.778.11 T</b> <b>40.778.11</b> 180 mm / 7"
<b>Mini</b>	<b>40.777.90 T</b> <b>40.777.90</b> 160 mm / 6 1/4"	<b>40.777.91 T</b> <b>40.777.91</b> 160 mm / 6 1/4"
	<b>40.777.10 T</b> <b>40.777.10</b> 180 mm / 7"	<b>40.777.11 T</b> <b>40.777.11</b> 180 mm / 7"

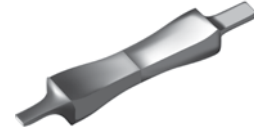
**CASPAR - RING HANDLE PHYNOX**  
*titanium applying forceps*  
 40.777.91 T - 40.778.91 T



**TITANIUM APPLYING FORCEPS**  
 40.779.22 T - 40.777.22 T  
*Adjustable jaw ends*



*Rotating*



*Adjusting key*

<b>Normal</b>	<b>40.779.22 T</b> 210 mm / 8 1/4"	<b>40.770.00 T</b> <b>40.770.00</b>
	<b>40.779.24 T</b> 230 mm / 9"	
<b>Mini</b>	<b>40.777.22 T</b> 210 mm / 8 1/4"	<b>40.770.00 T</b> <b>40.770.00</b>
	<b>40.777.24 T</b> 230 mm / 9"	

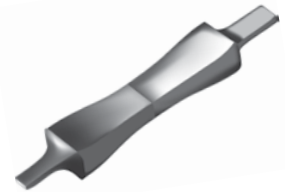
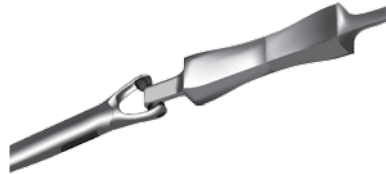


**PHYNOX, TITANIUM REMOVER**  
 40.558.21 T - 40.780.21 T



<b>Normal</b>	<b>40.780.21 T</b> 210 mm / 8 1/4"	<b>40.780.21</b> 210 mm / 8 1/4"
<b>Mini</b>	<b>40.558.21 T</b> 210 mm / 8 1/4"	<b>40.558.21</b> 210 mm / 8 1/4"



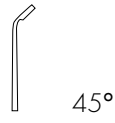


*Rotating*

*Adjusting key*

<b>Normal</b>	<b>40.782.71 T</b> <b>40.782.71</b> 70 mm / 2 3/4"	<b>40.770.00 T</b> <b>40.770.00</b>
	<b>40.782.91 T</b> <b>40.782.91</b> 90 mm / 3 1/2"	
	<b>40.782.11 T</b> <b>40.782.11</b> 110 mm / 4 1/3"	
<b>Mini</b>	<b>40.781.71 T</b> <b>40.781.71</b> 70 mm / 2 3/4"	<b>40.770.00 T</b> <b>40.770.00</b>
	<b>40.781.91 T</b> <b>40.781.91</b> 90 mm / 3 1/2"	
	<b>40.781.10 T</b> <b>40.781.10</b> 110 mm / 4 1/3"	

**MEMORY, PHYNOX**  
titanium applying forceps  
40.781.91 T - 40.782.91 T



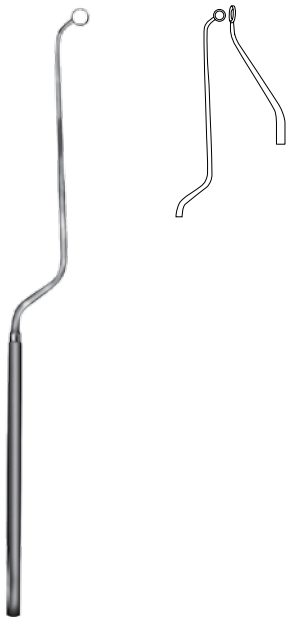
<i>horizontal</i>	<b>40.811.04</b>
<i>vertical</i>	<b>40.813.04</b>

**RAY**  
**40.811.04**  
 ø 4 mm  
 18 cm

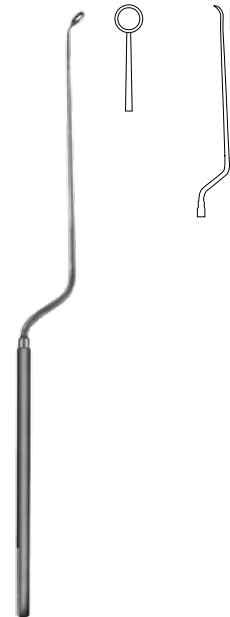


4 ø mm	<b>40.815.04</b>
6 ø mm	<b>40.815.06</b>

**HARDY**  
**40.815.04 - 40.815.06**  
 26 cm



**NICOLA**  
**40.817.65 - 40.819.65**  
 ø 6.5 mm  
 21.5 cm



**NICOLA**  
**40.821.65**  
 ø 6.5 mm  
 21.5 cm



**HARDY**  
40.831.00 - 40.831.04  
24.5 cm



**40.831.01**  
*enucleador,*  
*blunt right*



**40.831.02**  
*enucleador,*  
*sharp left*



**40.831.03**  
*enucleador,*  
*sharp right*



**40.831.04**  
*implat fork*  
24.5 mm



**HARDY FAHLBUSCH**  
40.832.01  
*dissector*  
24.5 cm



**HARDY FAHLBUSCH**  
40.832.02  
*dissector*  
24.5 cm



**HARDY**  
40.833.02 - 40.834.02  
*tip width*  
24.5 mm



40.833.02



40.834.02



**LANDOLT**  
40.835.01  
*malleable*  
26 cm



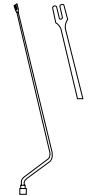
**LANDOLT**  
40.835.02  
*malleable*  
26 cm



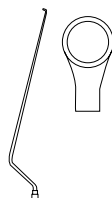
**LANDOLT**  
40.835.03  
*malleable*  
26 cm



**LANDOLT**  
40.835.04  
*malleable*  
26 cm



**HOSOBUCHI**  
40.836.00  
*malleable*  
26 cm



**FAHLBUSCH**  
40.841.25  
ø 2.5 mm  
26 cm



**LANDOLT REULEN**  
40.843.22  
ø 2.2 mm  
  
40.843.32  
ø 3.2 mm  
26 cm



40.845.25  
ø 2.5 mm



40.847.17  
1.7 mm



40.849.20  
2 mm



3 ø mm	<b>40.850.03</b>
5 ø mm	<b>40.850.05</b>

**HARDY**  
**40.850.03 - 40.850.05**  
*angled up*  
 24 cm



3 ø mm	<b>40.851.03</b>
5 ø mm	<b>40.851.05</b>

**HARDY**  
**40.851.03 - 40.851.05**  
*angled down*  
 24 cm



3 ø mm	<b>40.852.03</b>
5 ø mm	<b>40.852.05</b>

**HARDY**  
**40.852.03 - 40.852.05**  
*right*  
 24 cm



3 ø mm	<b>40.853.03</b>
5 ø mm	<b>40.853.05</b>

**HARDY**  
**40.853.03 - 40.853.05**  
*left*  
 24 cm



<i>left</i>	5 ø mm	<b>40.854.05</b>
<i>right</i>	5 ø mm	<b>40.855.05</b>

**HARDY**  
**40.854.05 - 40.855.05**  
*left*  
 24 cm



**HARDY**  
**40.856.24**  
*bayonet, malleable*  
23.5 cm



**HARDY**  
**40.859.03**  
*bayonet*  
21 cm



**40.865.23**

**40.867.23**

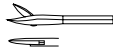
**40.868.23**

**40.869.23**

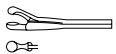
**HARDY**  
**40.863.23 - 40.869.23**  
*curved*  
23 mm



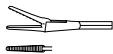
**FAHLBUSCH**  
**40.881.16**  
16.5 cm



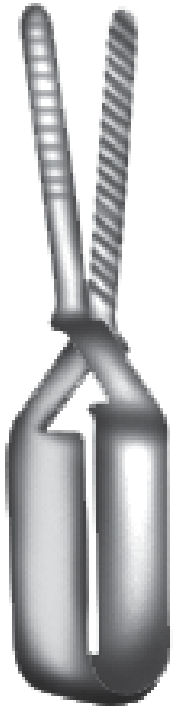
**NICOLA**  
**40.884.16**  
16.5 cm



**NICOLA**  
**40.882.16**  
16.5 cm  
ø 2.5 mm



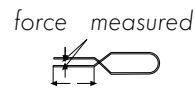
**YASARGIL NICOLA**  
**40.886.16**  
16.5 cm



**BIEMER**  
 40.900.40 - 40.994.60



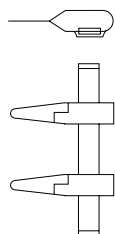
**BIEMER**  
 40.996.14  
 with lock  
 14.5 cm



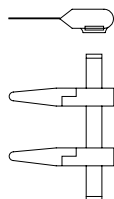
	opening	length	force	
	4 mm	6 mm	30-90 g 0.29 - 0.39 N	<b>40.900.40</b>
	5 mm	9 mm	30-90 g 0.29 - 0.39 N	<b>40.992.50</b>
	5 mm	6 mm	20-25 g 0.20 - 0.25 N	<b>40.994.60</b>



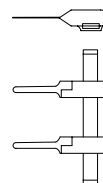
**BIEMER**  
 40.998.14  
 14.5 cm



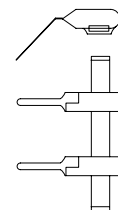
**BIEMER MUELLER**  
 40.996.30  
 opening 3 mm  
 4.5 mm



**BIEMER MUELLER**  
 40.996.50  
 opening 5 mm  
 9 mm

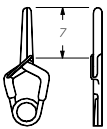


**BIEMER MUELLER**  
 40.998.50  
 opening 5 mm  
 9 mm

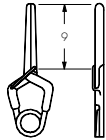


**BIEMER MUELLER**  
 40.999.50  
 opening 5 mm  
 9 mm

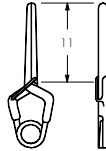
PERMANENT, PHYNOX, TITANIUM



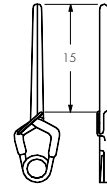
**40.760.62 T**  
**40.760.62**  
 6,2 mm  
 1,47 N 150 g



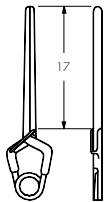
**40.762.70 T**  
**40.762.70**  
 7,0 mm  
 1,77 N 180 g



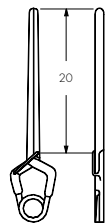
**40.764.78 T**  
**40.764.78**  
 7,8 mm  
 1,77 N 180 g



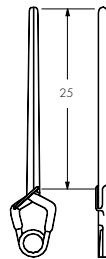
**40.766.92 T**  
**40.766.92**  
 9,2 mm  
 1,96 N 200 g



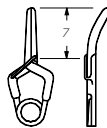
**40.579.06 T**  
**40.579.06**  
 10,6 mm  
 1,96 N 200 g



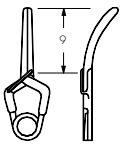
**40.768.11 T**  
**40.768.11**  
 11,4 mm  
 1,77 N 180 g



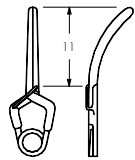
**40.770.13 T**  
**40.770.13**  
 13,3 mm  
 1,96 N 200 g



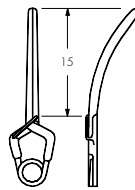
**40.780.60 T**  
**40.780.60**  
 6,0 mm  
 1,47 N 150 g



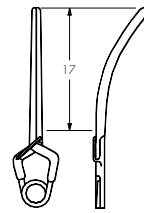
**40.782.68 T**  
**40.782.68**  
 6,8 mm  
 1,77 N 180 g



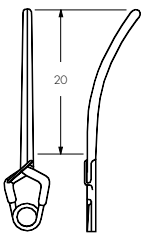
**40.784.75 T**  
**40.784.75**  
 7,5 mm  
 1,77 N 180 g



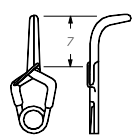
**40.786.87 T**  
**40.786.87**  
 8,7 mm  
 1,96 N 200 g



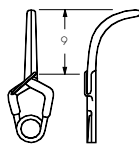
**40.786.98 T**  
**40.786.98**  
 9,8 mm  
 1,77 N 180 g



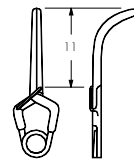
**40.790.11 T**  
**40.790.11**  
 11,0 mm  
 1,96 N 200 g



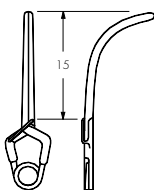
**40.790.55 T**  
**40.790.55**  
 5,5 mm  
 1,47 N 150 g



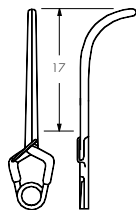
**40.792.61 T**  
**40.792.61**  
 6,1 mm  
 1,77 N 180 g



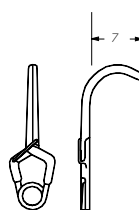
**40.794.65 T**  
**40.794.65**  
 6,5 mm  
 1,77 N 180 g



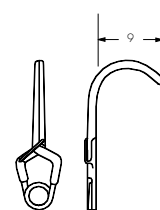
**40.796.74 T**  
**40.796.74**  
 7,4 mm  
 1,96 N 200 g



**40.796.99 T**  
**40.796.99**  
 9,9 mm  
 1,96 N 200 g



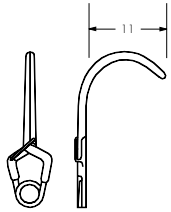
**40.580.54 T**  
**40.580.54**  
 5,4 mm  
 1,77 N 180 g



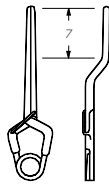
**40.581.58 T**  
**40.581.58**  
 5,8 mm  
 1,77 N 180 g



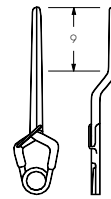
**PERMANENT, PHYNOX, TITANIUM**



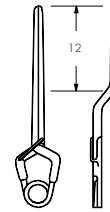
**40.582.62 T**  
**40.582.62**  
 6,2 mm  
 1,77 N 180 g



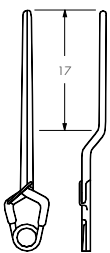
**40.798.79 T**  
**40.798.79**  
 7,9 mm  
 1,96 N 200 g



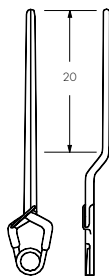
**40.800.87 T**  
**40.800.87**  
 8,7 mm  
 1,96 N 200 g



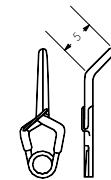
**40.583.02 T**  
**40.583.02**  
 10,2 mm  
 1,96 N 200 g



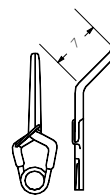
**40.584.12 T**  
**40.584.12**  
 11,9 mm  
 1,77 N 180 g



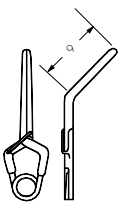
**40.802.13 T**  
**40.802.13**  
 13,0 mm  
 1,77 N 180 g



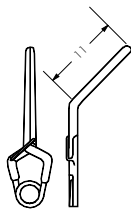
**40.585.62 T**  
**40.585.62**  
 6,2 mm  
 1,96 N 200 g



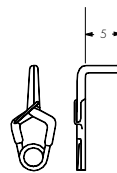
**40.810.65 T**  
**40.810.65**  
 6,5 mm  
 1,96 N 200 g



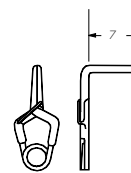
**40.586.78 T**  
**40.586.78**  
 7,8 mm  
 1,96 N 200 g



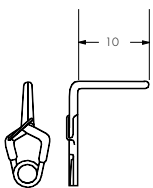
**40.587.84 T**  
**40.587.84**  
 8,4 mm  
 1,96 N 200 g



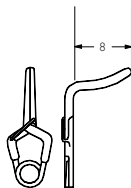
**40.588.56 T**  
**40.588.56**  
 5,6 mm  
 1,96 N 200 g



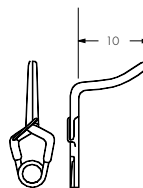
**40.584.56 T**  
**40.584.56**  
 5,6 mm  
 1,96 N 200 g



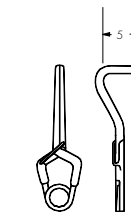
**40.589.56 T**  
**40.589.56**  
 5,6 mm  
 1,96 N 200 g



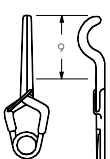
**40.590.54 T**  
**40.590.54**  
 5,4 mm  
 1,96 N 200 g



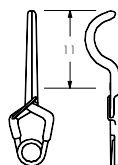
**40.591.56 T**  
**40.591.56**  
 5,6 mm  
 1,96 N 200 g



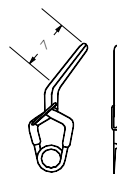
**40.592.72 T**  
**40.592.72**  
 7,2 mm  
 1,96 N 200 g



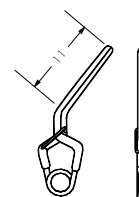
**40.593.72 T**  
**40.593.72**  
 7,2 mm  
 1,96 N 200 g



**40.594.82 T**  
**40.594.82**  
 8,2 mm  
 1,96 N 200 g



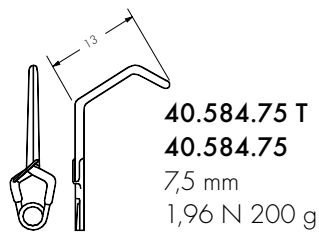
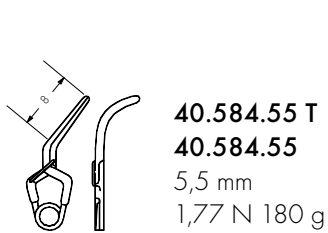
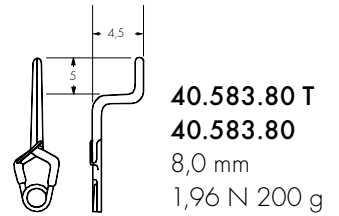
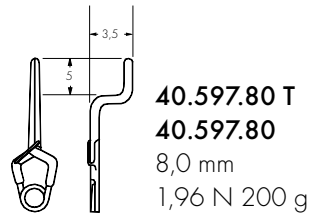
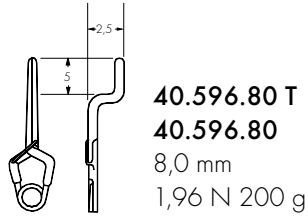
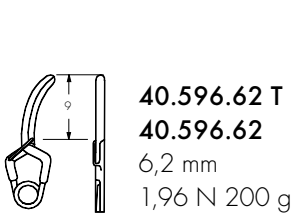
**40.830.57 T**  
**40.830.57**  
 5,7 mm  
 1,96 N 200 g



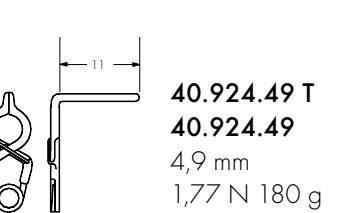
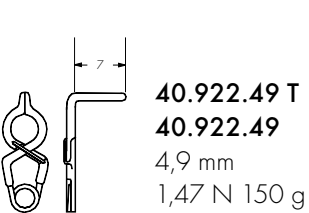
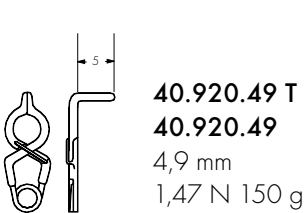
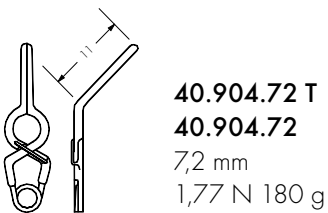
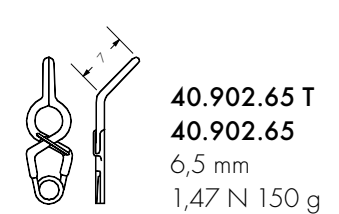
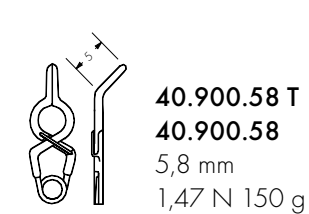
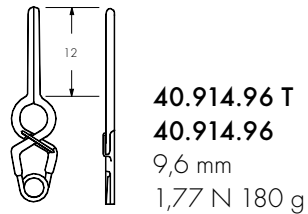
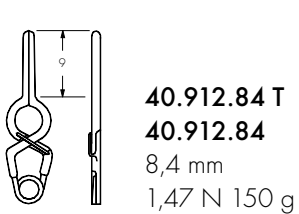
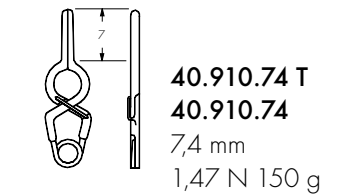
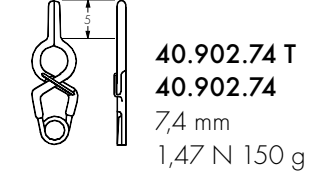
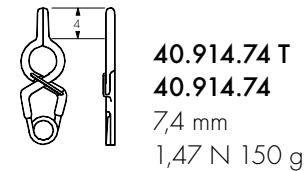
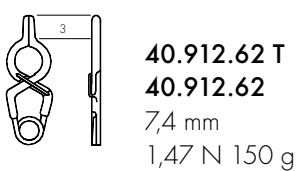
**40.595.80 T**  
**40.595.80**  
 8,0 mm  
 1,96 N 200 g



**PERMANENT, PHYNOX, TITANIUM**

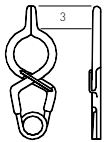


**PERMANENT, FENESTRATED 3.5 MM, PHYNOX, TITANIUM**

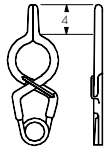




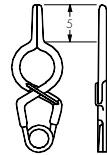
**PERMANENT, FENESTRATED 5 MM, PHYNOX, TITANIUM**



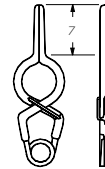
**40.942.74 T**  
**40.942.74**  
 7,4 mm  
 1,47 N 150 g



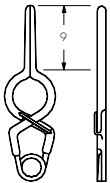
**40.944.74 T**  
**40.944.74**  
 7,4 mm  
 1,47 N 150 g



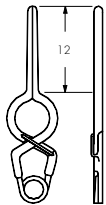
**40.950.74 T**  
**40.950.74**  
 7,4 mm  
 1,47 N 150 g



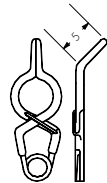
**40.940.79 T**  
**40.940.79**  
 7,9 mm  
 1,47 N 150 g



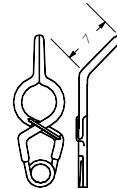
**40.942.91 T**  
**40.942.91**  
 9,1 mm  
 1,47 N 150 g



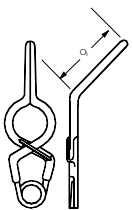
**40.944.10 T**  
**40.944.10**  
 10,3 mm  
 1,77 N 180 g



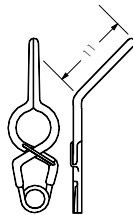
**40.950.65 T**  
**40.950.65**  
 6,5 mm  
 1,47 N 150 g



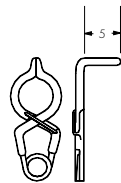
**40.952.72 T**  
**40.952.72**  
 7,2 mm  
 1,47 N 150 g



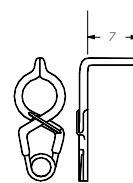
**40.954.75 T**  
**40.954.75**  
 7,5 mm  
 1,47 N 150 g



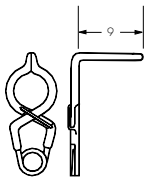
**40.954.78 T**  
**40.954.78**  
 7,8 mm  
 1,77 N 180 g



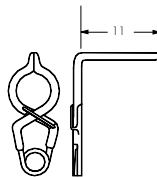
**40.960.55 T**  
**40.960.55**  
 5,5 mm  
 1,47 N 150 g



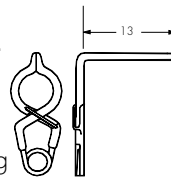
**40.962.55 T**  
**40.962.55**  
 5,5 mm  
 1,47 N 150 g



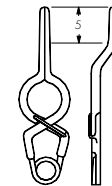
**40.932.55 T**  
**40.932.55**  
 5,5 mm  
 1,47 N 150 g



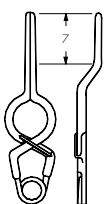
**40.964.55 T**  
**40.964.55**  
 5,5 mm  
 1,77 N 180 g



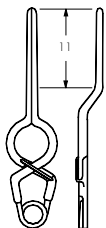
**40.930.55 T**  
**40.930.55**  
 5,5 mm  
 1,47 N 150 g



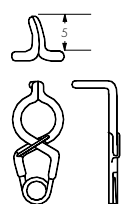
**40.930.79 T**  
**40.930.79**  
 7,9 mm  
 1,47 N 150 g



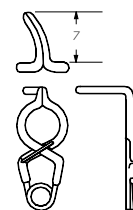
**40.932.88 T**  
**40.932.88**  
 8,8 mm  
 1,47 N 150 g



**40.934.10 T**  
**40.934.10**  
 10,0 mm  
 1,77 N 180 g

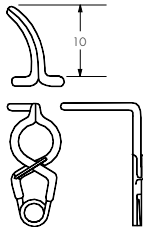


**40.600.58 T**  
**40.600.58**  
 5,8 mm  
 1,47 N 150 g

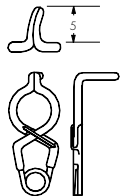


**40.601.58 T**  
**40.601.58**  
 5,8 mm  
 1,47 N 150 g

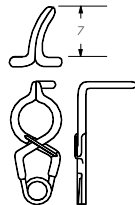
PERMANENT, FENESTRATED 5 MM, PHYNOX, TITANIUM



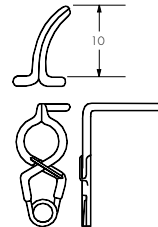
**40.602.58 T**  
**40.602.58**  
 5,8 mm  
 1,47 N 150 g



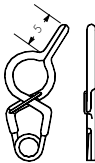
**40.603.58 T**  
**40.603.58**  
 5,8 mm  
 1,47 N 150 g



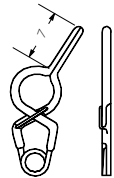
**40.604.58 T**  
**40.604.58**  
 5,8 mm  
 1,47 N 150 g



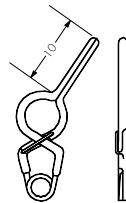
**40.605.58 T**  
**40.605.58**  
 5,8 mm  
 1,47 N 150 g



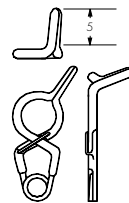
**40.606.70 T**  
**40.606.70**  
 7,0 mm  
 1,47 N 150 g



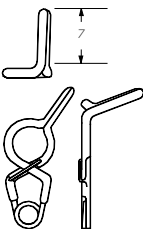
**40.607.78 T**  
**40.607.78**  
 7,8 mm  
 1,47 N 150 g



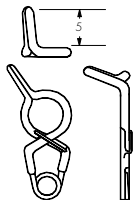
**40.608.88 T**  
**40.608.88**  
 8,8 mm  
 1,47 N 150 g



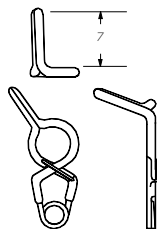
**40.609.58 T**  
**40.609.58**  
 5,8 mm  
 1,47 N 150 g



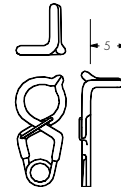
**40.610.62 T**  
**40.610.62**  
 6,2 mm  
 1,47 N 150 g



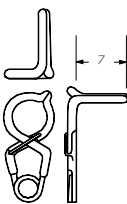
**40.611.68 T**  
**40.611.68**  
 5,8 mm  
 1,47 N 150 g



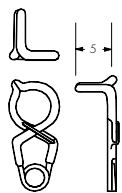
**40.612.62 T**  
**40.612.62**  
 6,2 mm  
 1,47 N 150 g



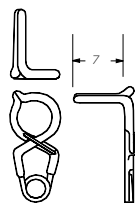
**40.613.56 T**  
**40.613.56**  
 5,6 mm  
 1,47 N 150 g



**40.614.56 T**  
**40.614.56**  
 5,6 mm  
 1,47 N 150 g



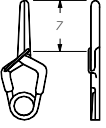
**40.615.56 T**  
**40.615.56**  
 5,6 mm  
 1,47 N 150 g



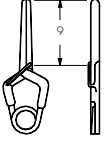
**40.616.56 T**  
**40.616.56**  
 5,6 mm  
 1,47 N 150 g



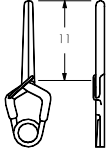
**TEMPORARY, PHYNOX, TITANIUM**



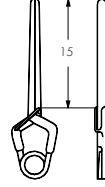
**40.690.62 T**  
**40.690.62**  
 6,2 mm  
 1,08 N 110 g



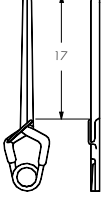
**40.763.70 T**  
**40.763.70**  
 7,0 mm  
 0,88 N 90 g



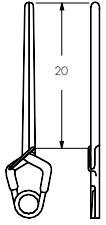
**40.690.78 T**  
**40.690.78**  
 7,8 mm  
 0,88 N 90 g



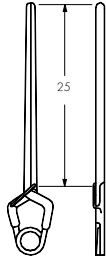
**40.767.92 T**  
**40.767.92**  
 9,2 mm  
 0,88 N 90 g



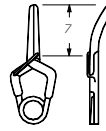
**40.691.06 T**  
**40.691.06**  
 10,6 mm  
 0,88 N 90 g



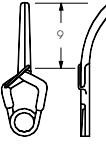
**40.769.11 T**  
**40.769.11**  
 11,9 mm  
 1,08 N 110 g



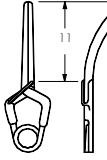
**40.691.13 T**  
**40.691.13**  
 13,3 mm  
 1,08 N 110 g



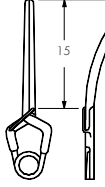
**40.692.60 T**  
**40.692.60**  
 6,0 mm  
 1,08 N 110 g



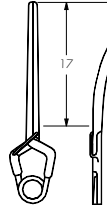
**40.783.68 T**  
**40.783.68**  
 6,8 mm  
 0,88 N 90 g



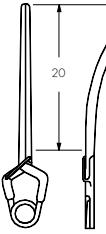
**40.693.75 T**  
**40.693.75**  
 7,5 mm  
 0,88 N 90 g



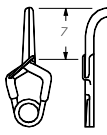
**40.787.87 T**  
**40.787.87**  
 8,7 mm  
 1,08 N 110 g



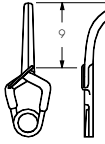
**40.693.98 T**  
**40.693.98**  
 9,8 mm  
 1,08 N 110 g



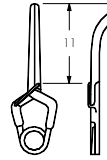
**40.789.11 T**  
**40.789.11**  
 11,0 mm  
 0,88 N 90 g



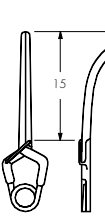
**40.694.55 T**  
**40.694.55**  
 5,5 mm  
 1,08 N 110 g



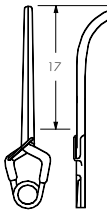
**40.795.67 T**  
**40.795.67**  
 6,1 mm  
 1,08 N 110 g



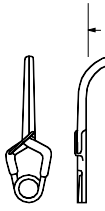
**40.695.65 T**  
**40.695.65**  
 6,5 mm  
 1,08 N 110 g



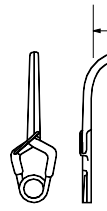
**40.797.74 T**  
**40.797.74**  
 7,4 mm  
 1,08 N 110 g



**40.597.99 T**  
**40.597.99**  
 9,9 mm  
 0,88 N 90 g

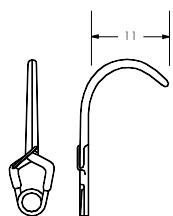


**40.696.54 T**  
**40.696.54**  
 5,4 mm  
 1,08 N 110 g

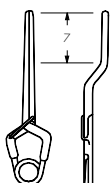


**40.696.58 T**  
**40.696.58**  
 5,8 mm  
 1,08 N 110 g

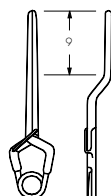
TEMPORARY, PHYNOX, TITANIUM



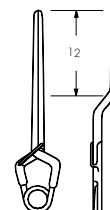
**40.697.62 T**  
**40.697.62**  
 6,2 mm  
 1,08 N 110 g



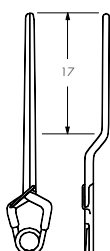
**40.697.79 T**  
**40.697.79**  
 7,9 mm  
 0,88 N 90 g



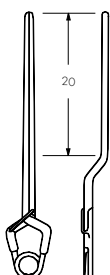
**40.697.87 T**  
**40.697.87**  
 8,7 mm  
 0,88 N 90 g



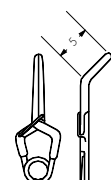
**40.697.02 T**  
**40.697.02**  
 10,2 mm  
 0,88 N 90 g



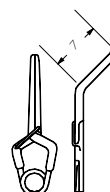
**40.698.19 T**  
**40.698.19**  
 11,9 mm  
 0,88 N 90 g



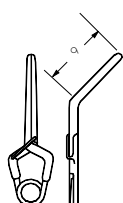
**40.698.13 T**  
**40.698.13**  
 13,0 mm  
 0,88 N 90 g



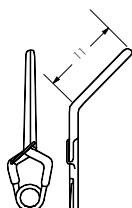
**40.699.62 T**  
**40.699.62**  
 6,2 mm  
 1,08 N 110 g



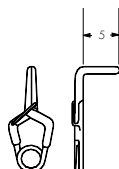
**40.699.65 T**  
**40.699.65**  
 6,5 mm  
 1,08 N 110 g



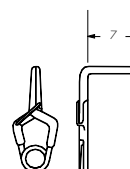
**40.699.78 T**  
**40.699.78**  
 7,8 mm  
 1,08 N 110 g



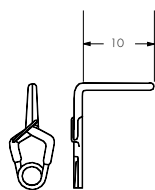
**40.699.84 T**  
**40.699.84**  
 8,4 mm  
 1,08 N 110 g



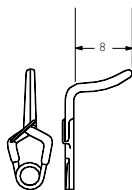
**40.700.56 T**  
**40.700.56**  
 5,6 mm  
 1,28 N 130 g



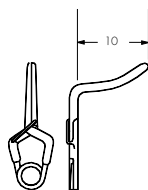
**40.701.56 T**  
**40.701.56**  
 5,6 mm  
 1,28 N 130 g



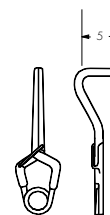
**40.702.56 T**  
**40.702.56**  
 5,6 mm  
 1,28 N 130 g



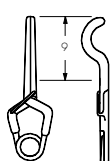
**40.703.54 T**  
**40.703.54**  
 5,4 mm  
 1,28 N 130 g



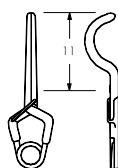
**40.703.56 T**  
**40.703.56**  
 5,6 mm  
 0,88 N 90 g



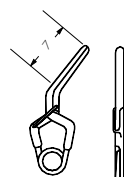
**40.703.72 T**  
**40.703.72**  
 7,2 mm  
 0,88 N 90 g



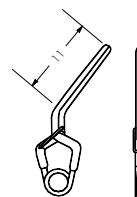
**40.704.72 T**  
**40.704.72**  
 7,2 mm  
 0,88 N 90 g



**40.704.82 T**  
**40.704.82**  
 8,2 mm  
 0,88 N 90 g



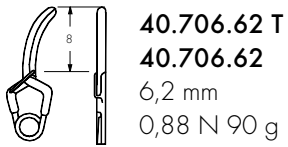
**40.705.57 T**  
**40.705.57**  
 5,7 mm  
 0,88 N 90 g



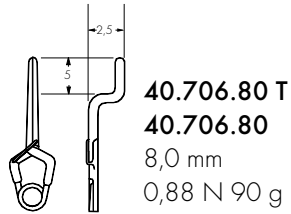
**40.705.80 T**  
**40.705.80**  
 8,0 mm  
 0,88 N 90 g



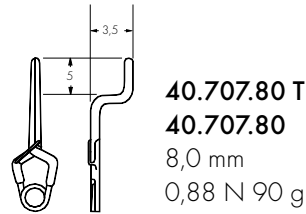
**TEMPORARY, PHYNOX, TITANIUM**



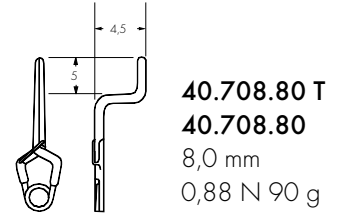
**40.706.62 T**  
**40.706.62**  
 6,2 mm  
 0,88 N 90 g



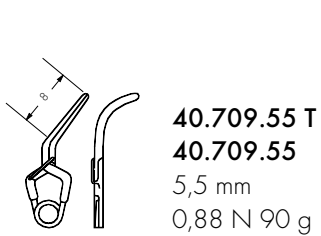
**40.706.80 T**  
**40.706.80**  
 8,0 mm  
 0,88 N 90 g



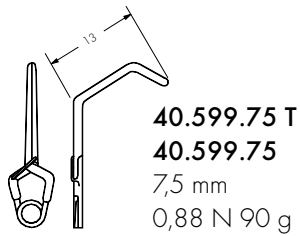
**40.707.80 T**  
**40.707.80**  
 8,0 mm  
 0,88 N 90 g



**40.708.80 T**  
**40.708.80**  
 8,0 mm  
 0,88 N 90 g

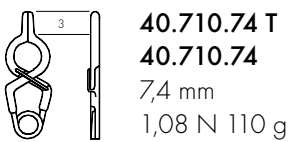


**40.709.55 T**  
**40.709.55**  
 5,5 mm  
 0,88 N 90 g

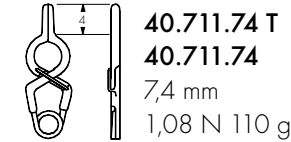


**40.599.75 T**  
**40.599.75**  
 7,5 mm  
 0,88 N 90 g

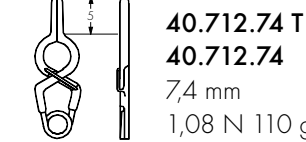
**TEMPORARY, GEFENSTERT 3.5 MM, PHYNOX, TITAN**



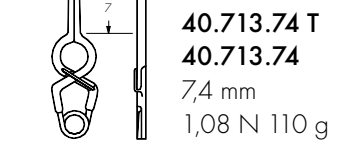
**40.710.74 T**  
**40.710.74**  
 7,4 mm  
 1,08 N 110 g



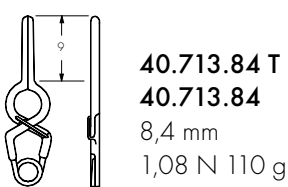
**40.711.74 T**  
**40.711.74**  
 7,4 mm  
 1,08 N 110 g



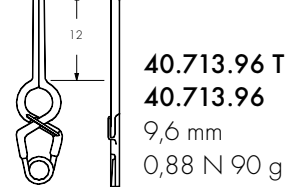
**40.712.74 T**  
**40.712.74**  
 7,4 mm  
 1,08 N 110 g



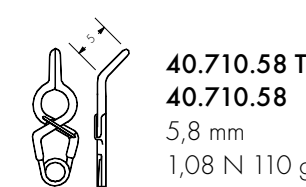
**40.713.74 T**  
**40.713.74**  
 7,4 mm  
 1,08 N 110 g



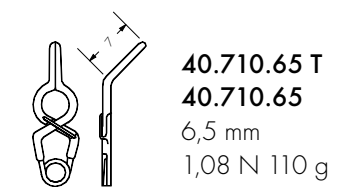
**40.713.84 T**  
**40.713.84**  
 8,4 mm  
 1,08 N 110 g



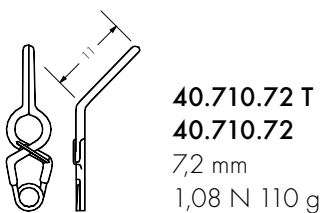
**40.713.96 T**  
**40.713.96**  
 9,6 mm  
 0,88 N 90 g



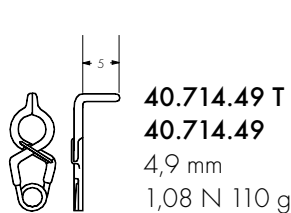
**40.710.58 T**  
**40.710.58**  
 5,8 mm  
 1,08 N 110 g



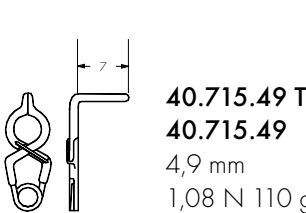
**40.710.65 T**  
**40.710.65**  
 6,5 mm  
 1,08 N 110 g



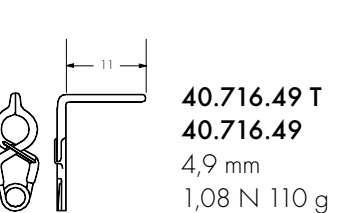
**40.710.72 T**  
**40.710.72**  
 7,2 mm  
 1,08 N 110 g



**40.714.49 T**  
**40.714.49**  
 4,9 mm  
 1,08 N 110 g

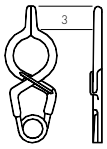


**40.715.49 T**  
**40.715.49**  
 4,9 mm  
 1,08 N 110 g

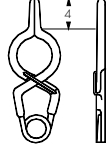


**40.716.49 T**  
**40.716.49**  
 4,9 mm  
 1,08 N 110 g

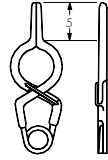
TEMPORARY, FENESTRATED 5 MM, PHYNOX, TITANIUM



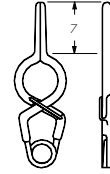
**40.716.74 T**  
**40.716.74**  
 7,4 mm  
 1,08 N 110 g



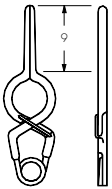
**40.717.74 T**  
**40.717.74**  
 7,4 mm  
 1,08 N 110 g



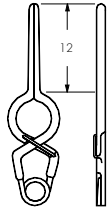
**40.718.74 T**  
**40.718.74**  
 7,4 mm  
 1,08 N 110 g



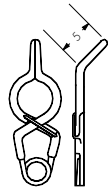
**40.718.79 T**  
**40.718.79**  
 7,9 mm  
 1,08 N 110 g



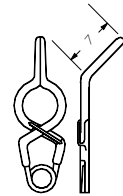
**40.718.91 T**  
**40.718.91**  
 9,1 mm  
 0,95 N 100 g



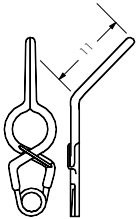
**40.718.03 T**  
**40.718.03**  
 10,3 mm  
 0,88 N 90 g



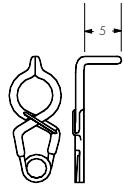
**40.719.65 T**  
**40.719.65**  
 6,5 mm  
 1,08 N 110 g



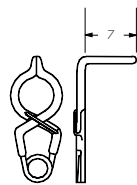
**40.719.72 T**  
**40.719.72**  
 7,2 mm  
 1,08 N 110 g



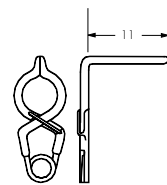
**40.719.78 T**  
**40.719.78**  
 7,8 mm  
 1,08 N 110 g



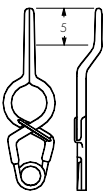
**40.720.55 T**  
**40.720.55**  
 5,5 mm  
 1,08 N 110 g



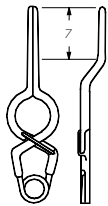
**40.721.55 T**  
**40.721.55**  
 5,5 mm  
 1,08 N 110 g



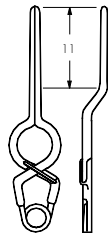
**40.730.55 T**  
**40.730.55**  
 5,5 mm  
 0,88 N 90 g



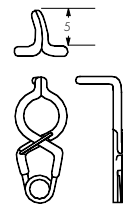
**40.730.79 T**  
**40.730.79**  
 7,9 mm  
 0,88 N 90 g



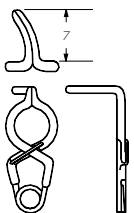
**40.730.88 T**  
**40.730.88**  
 8,8 mm  
 0,88 N 90 g



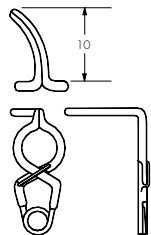
**40.730.10 T**  
**40.730.10**  
 10,0 mm  
 0,88 N 90 g



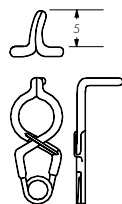
**40.731.58 T**  
**40.731.58**  
 5,8 mm  
 1,08 N 110 g



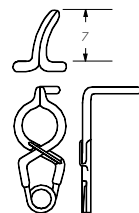
**40.732.58 T**  
**40.732.58**  
 5,8 mm  
 1,08 N 110 g



**40.733.58 T**  
**40.733.58**  
 5,8 mm  
 1,08 N 110 g



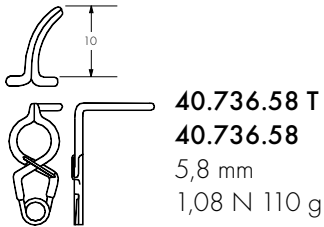
**40.734.58 T**  
**40.734.58**  
 5,8 mm  
 1,08 N 110 g



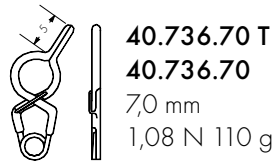
**40.735.58 T**  
**40.735.58**  
 5,8 mm  
 1,08 N 110 g



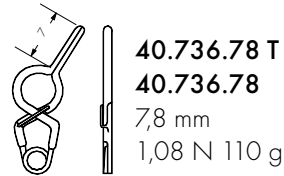
**TEMPORARY, FENESTRATED 5 MM, PHYNOX, TITANIUM**



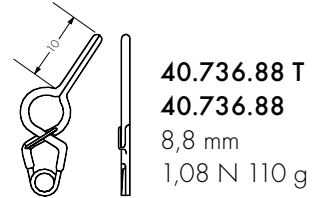
**40.736.58 T**  
**40.736.58**  
 5,8 mm  
 1,08 N 110 g



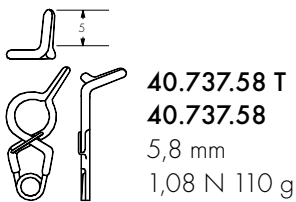
**40.736.70 T**  
**40.736.70**  
 7,0 mm  
 1,08 N 110 g



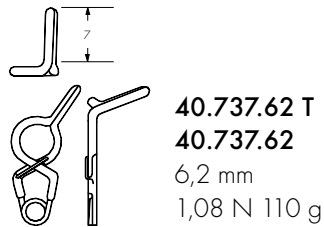
**40.736.78 T**  
**40.736.78**  
 7,8 mm  
 1,08 N 110 g



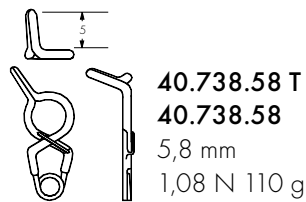
**40.736.88 T**  
**40.736.88**  
 8,8 mm  
 1,08 N 110 g



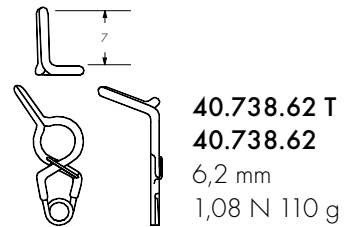
**40.737.58 T**  
**40.737.58**  
 5,8 mm  
 1,08 N 110 g



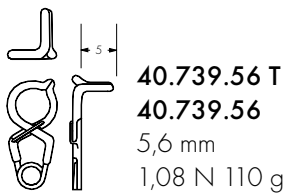
**40.737.62 T**  
**40.737.62**  
 6,2 mm  
 1,08 N 110 g



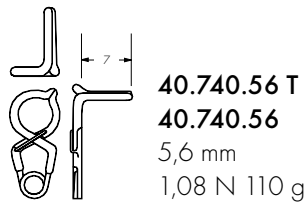
**40.738.58 T**  
**40.738.58**  
 5,8 mm  
 1,08 N 110 g



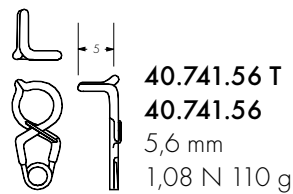
**40.738.62 T**  
**40.738.62**  
 6,2 mm  
 1,08 N 110 g



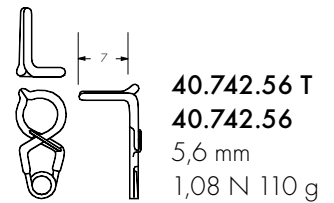
**40.739.56 T**  
**40.739.56**  
 5,6 mm  
 1,08 N 110 g



**40.740.56 T**  
**40.740.56**  
 5,6 mm  
 1,08 N 110 g



**40.741.56 T**  
**40.741.56**  
 5,6 mm  
 1,08 N 110 g



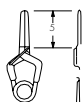
**40.742.56 T**  
**40.742.56**  
 5,6 mm  
 1,08 N 110 g



PERMANENT, PHYNOX, TITANIUM



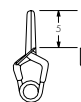
**40.570.33 T**  
**40.570.33**  
3,3 mm  
1,08 N 110 g



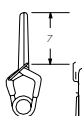
**40.572.40 T**  
**40.572.40**  
4,0 mm  
1,08 N 110 g



**40.600.33 T**  
**40.600.33**  
3,3 mm  
1,08 N 110 g



**40.602.40 T**  
**40.602.40**  
4,0 mm  
1,08 N 110 g



**40.604.46 T**  
**40.604.46**  
4,6 mm  
1,08 N 110 g



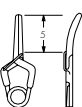
**40.580.32 T**  
**40.580.32**  
3,2 mm  
1,08 N 110 g



**40.582.38 T**  
**40.582.38**  
3,8 mm  
1,08 N 110 g



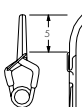
**40.574.36 T**  
**40.574.36**  
3,6 mm  
1,08 N 110 g



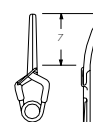
**40.610.38 T**  
**40.610.38**  
3,8 mm  
1,08 N 110 g



**40.575.36 T**  
**40.575.36**  
3,6 mm  
1,08 N 110 g



**40.576.40 T**  
**40.576.40**  
4,0 mm  
1,08 N 110 g



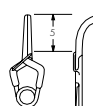
**40.612.44 T**  
**40.612.44**  
4,4 mm  
1,08 N 110 g



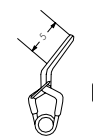
**40.590.36 T**  
**40.590.36**  
3,6 mm  
1,08 N 110 g



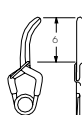
**40.620.35 T**  
**40.620.35**  
3,5 mm  
1,08 N 110 g



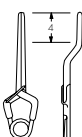
**40.722.40 T**  
**40.722.40**  
4,0 mm  
1,08 N 110 g



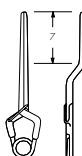
**40.750.35 T**  
**40.750.35**  
3,5 mm  
1,28 N 130 g



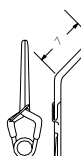
**40.578.60 T**  
**40.578.60**  
6,0 mm  
1,28 N 130 g



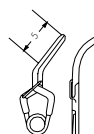
**40.577.70 T**  
**40.577.70**  
7,0 mm  
1,28 N 130 g



**40.730.57 T**  
**40.730.57**  
5,7 mm  
1,28 N 130 g



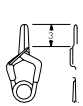
**40.740.45 T**  
**40.740.45**  
4,5 mm  
1,28 N 130 g



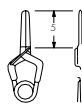
**40.578.40 T**  
**40.578.40**  
4,0 mm  
1,28 N 130 g



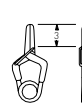
**PERMANENT, PHYNOX, TITANIUM**



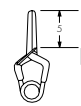
**40.571.33 T**  
**40.571.33**  
 3,3 mm  
 1,08 N 90 g



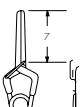
**40.573.40 T**  
**40.573.40**  
 4,0 mm  
 0,69 N 70 g



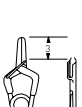
**40.560.33 T**  
**40.560.33**  
 3,3 mm  
 0,88 N 90 g



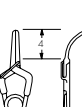
**40.560.40 T**  
**40.560.40**  
 4,0 mm  
 0,69 N 70 g



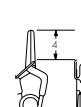
**40.605.46 T**  
**40.605.46**  
 4,6 mm  
 0,69 N 70 g



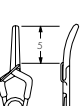
**40.561.32 T**  
**40.561.32**  
 3,2 mm  
 0,88 N 90 g



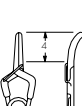
**40.561.38 T**  
**40.561.38**  
 3,8 mm  
 0,69 N 70 g



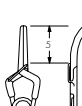
**40.562.36 T**  
**40.562.36**  
 3,6 mm  
 0,87 N 80 g



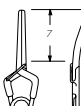
**40.562.38 T**  
**40.562.38**  
 3,8 mm  
 0,69 N 70 g



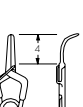
**40.563.36 T**  
**40.563.36**  
 3,6 mm  
 0,87 N 80 g



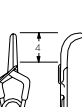
**40.563.40 T**  
**40.563.40**  
 4,0 mm  
 0,69 N 70 g



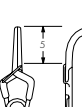
**40.613.44 T**  
**40.613.44**  
 4,4 mm  
 0,69 N 70 g



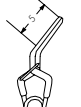
**40.564.36 T**  
**40.564.36**  
 3,6 mm  
 0,87 N 80 g



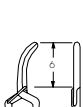
**40.565.35 T**  
**40.565.35**  
 3,5 mm  
 0,87 N 80 g



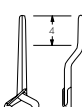
**40.565.40 T**  
**40.565.40**  
 4,0 mm  
 0,69 N 70 g



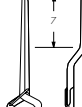
**40.566.35 T**  
**40.566.35**  
 3,5 mm  
 0,69 N 70 g



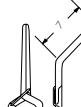
**40.566.60 T**  
**40.566.60**  
 6,0 mm  
 0,69 N 70 g



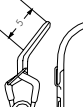
**40.566.70 T**  
**40.566.70**  
 7,0 mm  
 0,69 N 70 g



**40.567.57 T**  
**40.567.57**  
 5,7 mm  
 0,69 N 70 g



**40.568.45 T**  
**40.568.45**  
 3,5 mm  
 0,69 N 70 g



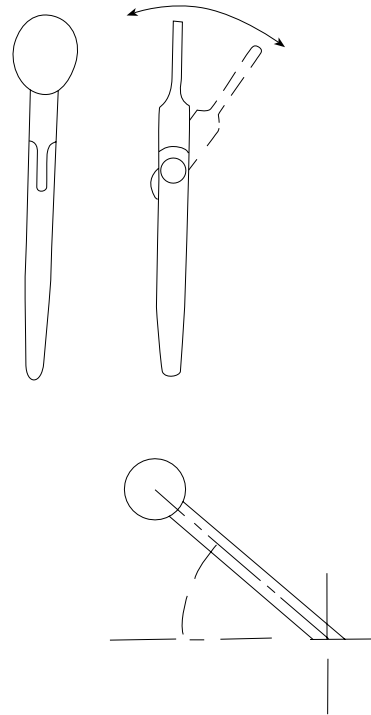
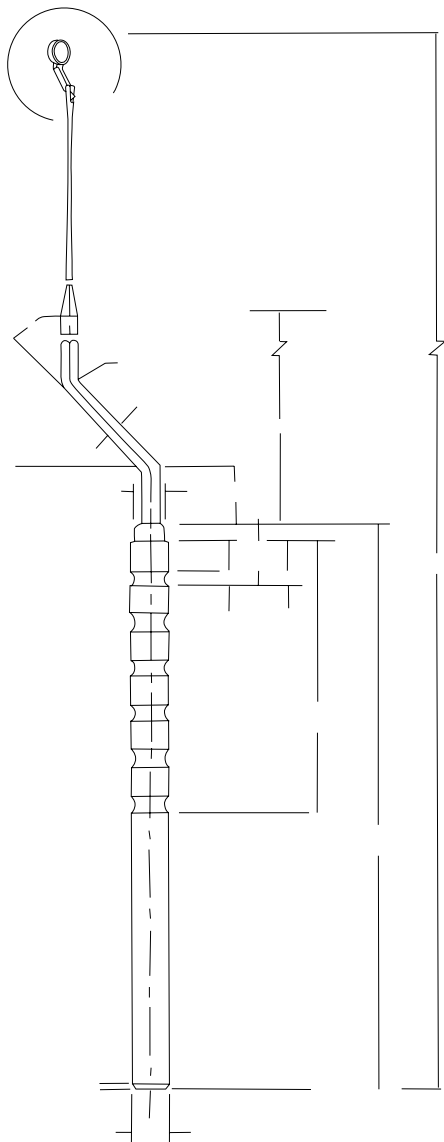
**40.569.40 T**  
**40.569.40**  
 4,0 mm  
 0,69 N 70 g



# 41

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## Neurosurgery Neurochirurgie Neurocirugía





**LOYO**  
**41.033.26**  
*tip 3 mm*  
26 cm



**LOYO**  
**41.034.26**  
*tip 7 mm*  
26 cm



**LOYO**  
**41.035.26**  
*tip 10 mm*  
26 cm



**LOYO**  
**41.036.26**  
26 cm



**LOYO**  
**41.037.26**  
26 cm



**LOYO**  
**41.038.26**  
26 cm



**LOYO**  
**41.039.26**  
26 cm



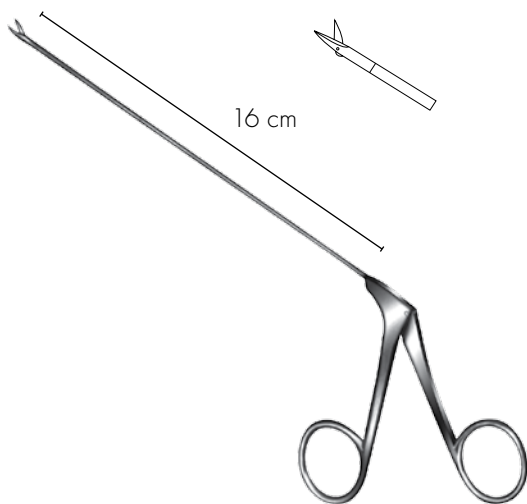
**LOYO**  
**41.040.26**  
26 cm



LOYO  
41.043.15



WEIL - BLAKESLEY - LOYO  
41.045.19  
15 cm



DEWIMED  
41.046.24  
24 cm



OLIVECRONA  
41.047.23  
23 cm



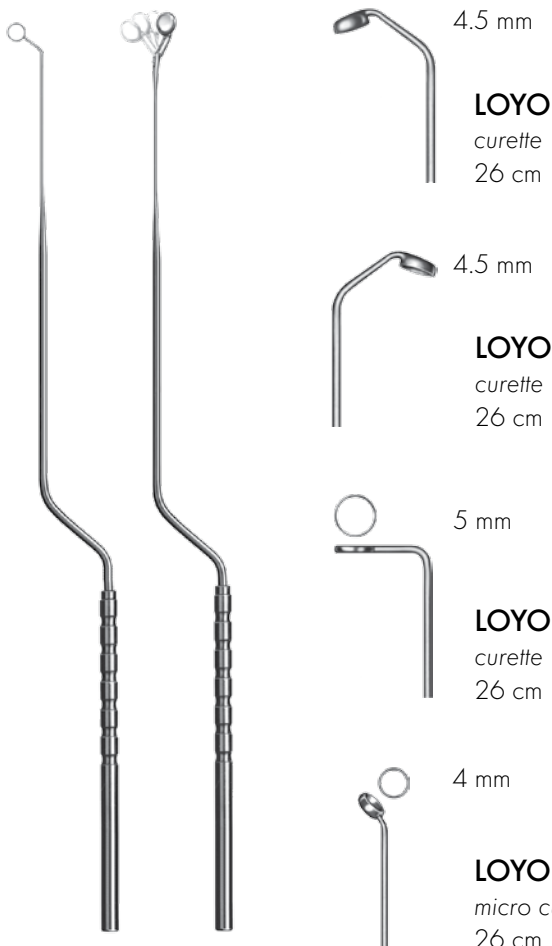
TAYLOR  
41.048.00  
17 cm



length of vales

70 mm	<b>41.049.70</b>
90 mm	<b>41.049.90</b>

**LOYO**  
**41.049.70 - 41.049.90**  
specular for transsphenoidal hypophysectomy



**LOYO**  
curette  
26 cm

	Stainless Steel	TITANIUM
135 mm sharp, left	<b>41.400.05</b>	<b>41.400.05 T</b>

**LOYO**  
curette  
26 cm

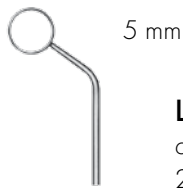
	Stainless Steel	TITANIUM
135 mm sharp, right	<b>41.400.006</b>	<b>41.400.06 T</b>

**LOYO**  
curette  
26 cm

	Stainless Steel	TITANIUM
135 mm upward, sharp	<b>41.400.08</b>	<b>41.400.08 T</b>

**LOYO**  
micro curette  
26 cm

	Stainless Steel	TITANIUM
135 mm angled, sharp	<b>41.400.10</b>	<b>41.400.10 T</b>



5 mm

**LOYO**  
curette  
26 cm

*Stainless Steel*

*TITANIUM*

135 mm angled, sharp

**41.400.12**

**41.400.12 T**



4.5 mm

**LOYO**  
curette  
26 cm

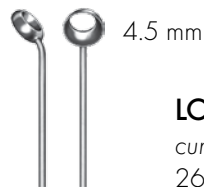
*Stainless Steel*

*TITANIUM*

135 mm sharp, right

**41.400.14**

**41.400.14 T**



4.5 mm

**LOYO**  
curette  
26 cm

*Stainless Steel*

*TITANIUM*

135 mm sharp, left

**41.400.15**

**41.400.15 T**



5 mm

**LOYO**  
curette  
26 cm

*Stainless Steel*

*TITANIUM*

135 mm sharp upw. left

**41.400.16**

**41.400.16 T**



5 mm

**LOYO**  
curette  
26 cm

*Stainless Steel*

*TITANIUM*

135 mm sharp upw. right

**41.400.17**

**41.400.17 T**



**LOYO**  
blade holder

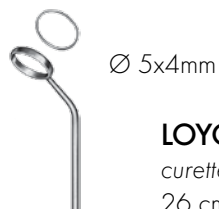
*Stainless Steel*

*TITANIUM*

for blade N° 10

**41.400.20**

**41.400.20 T**



Ø 5x4mm

**LOYO**  
curette  
26 cm

*Stainless Steel*

*TITANIUM*

135 mm blunt, left

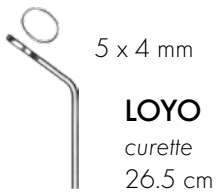
**41.400.21**

**41.400.21 T**





	Stainless Steel	TITANIUM
135 mm blunt, right	<b>41.400.22</b>	<b>41.400.22 T</b>



	Stainless Steel	TITANIUM
135 mm blunt, angled	<b>41.400.25</b>	<b>41.400.25 T</b>



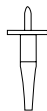
	Stainless Steel	TITANIUM
3 tips interchangeable	<b>41.400.30</b>	<b>41.400.30 T</b>



	Stainless Steel	TITANIUM
	<b>41.400.31</b>	<b>41.400.31 T</b>



	Stainless Steel	TITANIUM
	<b>41.400.32</b>	<b>41.400.32 T</b>



	Stainless Steel	TITANIUM
	<b>41.400.33</b>	<b>41.400.33 T</b>



	Stainless Steel	TITANIUM
for sella turcica	<b>41.400.40</b>	<b>41.400.40 T</b>



	Stainless Steel	TITANIUM
135 mm	<b>41.400.42</b>	<b>41.400.42 T</b>



**LOYO**  
pituitary  
26 cm

	<i>Stainless Steel</i>	<i>TITANIUM</i>
135 mm	<b>41.400.44</b>	<b>41.400.44 T</b>



**LOYO**  
pituitary  
26 cm

	<i>Stainless Steel</i>	<i>TITANIUM</i>
135 mm	<b>41.400.46</b>	<b>41.400.46 T</b>



**LOYO**  
pituitary  
26 cm

	<i>Stainless Steel</i>	<i>TITANIUM</i>
135 mm	<b>41.400.48</b>	<b>41.400.48 T</b>



**LOYO**  
pituitary  
26 cm

	<i>Stainless Steel</i>	<i>TITANIUM</i>
135 mm left	<b>41.400.49</b>	<b>41.400.49 T</b>



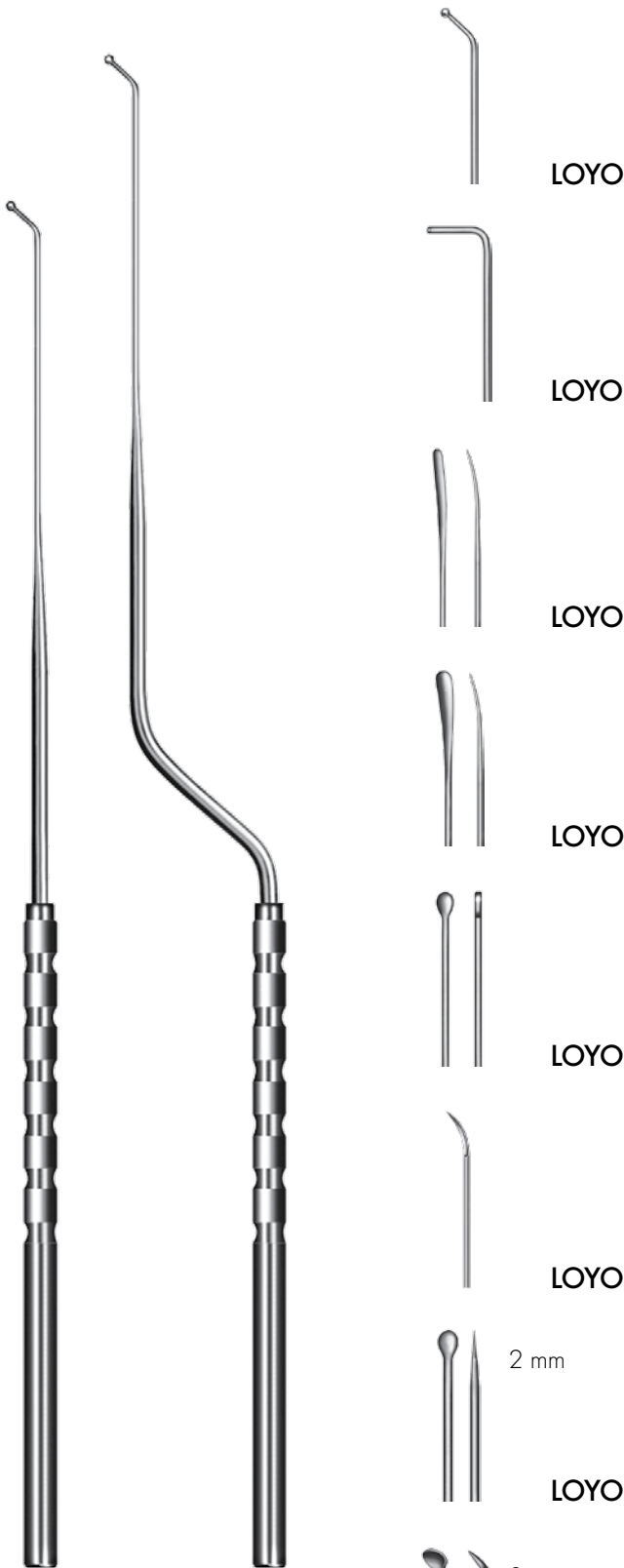
**LOYO**  
pituitary  
26 cm

	<i>Stainless Steel</i>	<i>TITANIUM</i>
135 mm right	<b>41.400.50</b>	<b>41.400.50 T</b>





**LOYO**  
pituitary

	<i>Stainless Steel</i>	<i>TITANIUM</i>
135 mm	<b>41.400.52</b>	<b>41.400.52 T</b>





MALLEABLE DISSECTORS  
ACCORDING TO DR. LOYO



LOYO

		Stainless Steel	TITANIUM
	20 cm	<b>41.401.02</b>	<b>41.401.02 T</b>
	22 cm	<b>41.401.03</b>	<b>41.401.03 T</b>



LOYO

		Stainless Steel	TITANIUM
	20 cm	<b>41.401.06</b>	<b>41.401.06 T</b>
	22 cm	<b>41.401.07</b>	<b>41.401.07 T</b>



LOYO

		Stainless Steel	TITANIUM
	20 cm	<b>41.401.10</b>	<b>41.401.10 T</b>
	22 cm	<b>41.401.11</b>	<b>41.401.11 T</b>



LOYO

		Stainless Steel	TITANIUM
	20 cm	<b>41.401.14</b>	<b>41.401.14 T</b>
	22 cm	<b>41.401.15</b>	<b>41.401.15 T</b>

LOYO



		Stainless Steel	TITANIUM
	20 cm	<b>41.401.18</b>	<b>41.401.18 T</b>
	22 cm	<b>41.401.19</b>	<b>41.401.19 T</b>

LOYO

		Stainless Steel	TITANIUM
	20 cm	<b>41.401.22</b>	<b>41.401.22 T</b>
	22 cm	<b>41.401.23</b>	<b>41.401.23 T</b>



2 mm

LOYO

		Stainless Steel	TITANIUM
	20 cm	<b>41.401.26</b>	<b>41.401.26 T</b>
	22 cm	<b>41.401.27</b>	<b>41.401.27 T</b>

2 mm

LOYO

		Stainless Steel	TITANIUM
	20 cm	<b>41.401.30</b>	<b>41.401.30 T</b>
	22 cm	<b>41.401.31</b>	<b>41.401.31 T</b>

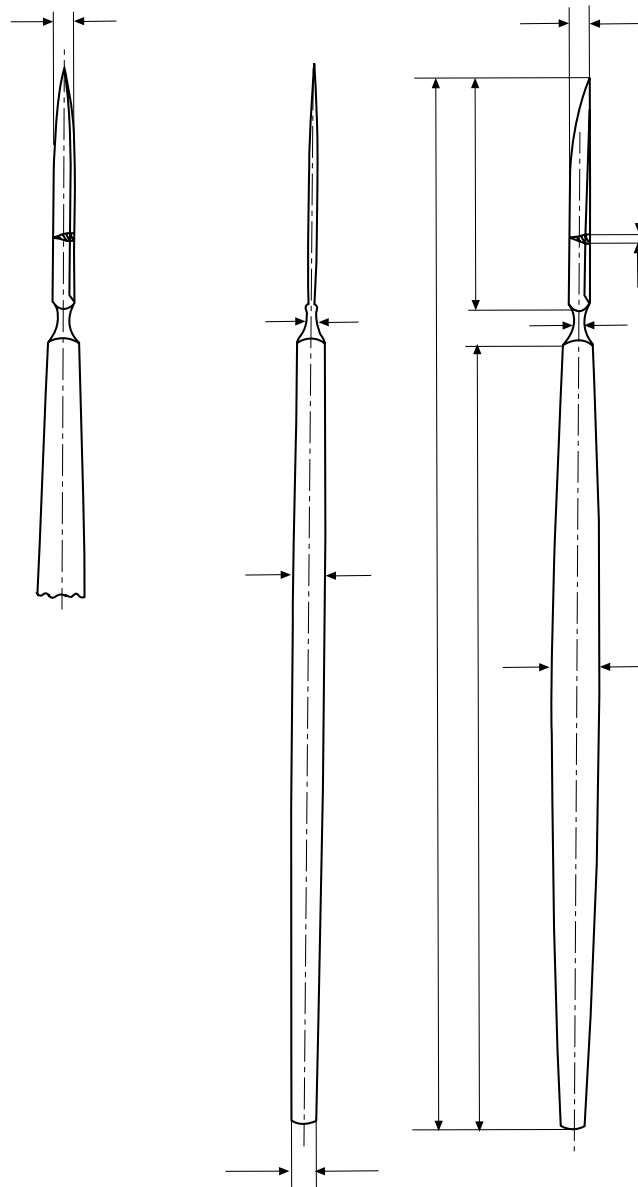
# 42

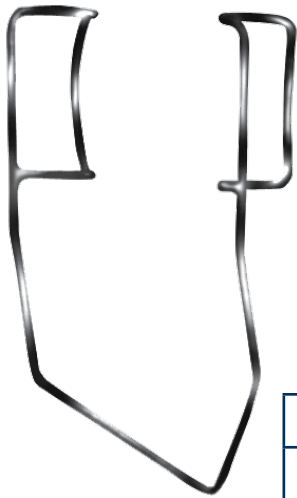
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## Ophthalmologie

### Ophthalmology

### Oftalmología



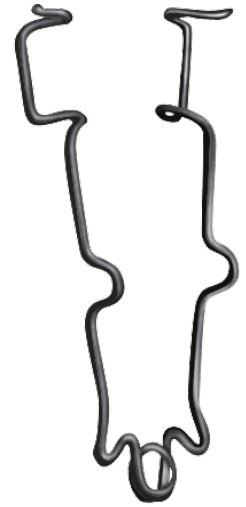


3 cm	42.101.03
4 cm	42.101.04

**BARRAQUER colibri**  
42.101.03 - 42.101.04



**BARRAQUER**  
42.101.06  
4 cm



**BOWMAN**  
42.104.07  
7 cm



**CRITCHETT**  
42.105.06  
6 cm



**SMITH**  
42.106.05  
5 cm



**CLARK**  
42.107.08  
8 cm



7 cm	42.109.06
9 cm	42.109.09

**GRAEFE**  
42.109.06 - 42.109.09



**WEEK**  
42.110.08  
8 cm

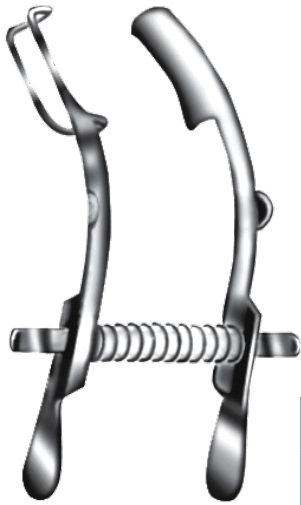


<i>right</i>	42.111.07
<i>left</i>	42.113.07

**ARRUGA**  
42.111.07 - 42.113.07  
7 cm



**MURDOCK**  
42.115.05  
8 cm



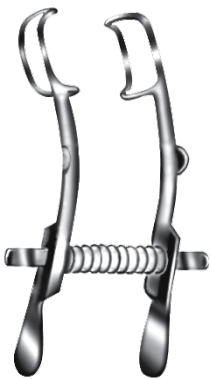
right	42.121.07
left	42.123.07

**MELLINGER**  
42.121.07 - 42.123.07  
7 cm



4 cm	42.125.01
5 cm	42.125.05

**COOK**  
42.125.01 - 42.125.03



5 cm	42.125.05
7 cm	42.125.07

**MELLINGER**  
42.125.05 - 42.125.07



**MELLINGER**  
42.125.09  
7 cm



**LISTER BURCH**  
42.127.08  
8 cm



7 cm	42.128.07
8 cm	42.128.08

**WILLIAMS**  
42.128.07 - 42.128.08



**LANCASTER**  
42.129.07  
7 cm



**ZIEGLER**  
42.130.07  
7 cm



**CASTROVIEJO**  
42.132.08  
8 cm



**PARK**  
42.133.08  
8 cm



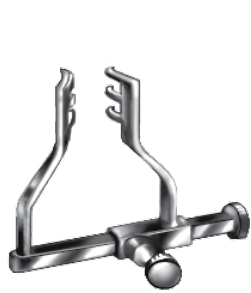
**AGRICOLA**  
42.135.04  
4 cm



**MUELLER**  
24.135.07  
7 cm



**SAUER**  
42.137.01  
3cm



**GOLDSTEIN**  
42.137.03  
3 cm



**STEVENSON**  
42.139.07  
7 cm



**JAEGER**  
42.150.11  
11 cm



**GRAEFE**  
42.170.00 - 42.170.03  
13 cm



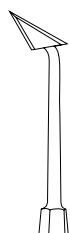
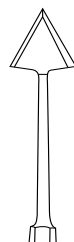
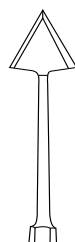
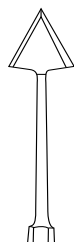
1.3 x 23 mm	1.5 x 25 mm	1.7 x 27 mm	2 x 30 mm
42.170.00	42.170.01	42.170.02	42.170.03



**DEUTSCHMANN**  
42.172.13  
13 cm



**JEAGER**  
42.180.01 - 42.181.03  
13 cm



45°

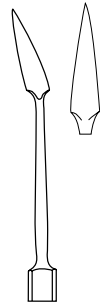
45°

45°

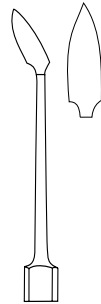
8 x 9.5 mm	9.5 x 11 mm	11 x 12.5 mm	8 x 9.5 mm	9.5 x 11 mm	11 x 12.5 mm
42.180.01	42.180.02	42.180.03	42.181.01	42.181.02	42.181.03



4 x 10 mm	<b>42.181.05</b>
5 x 11 mm	<b>42.181.07</b>
6 x 12 mm	<b>42.185.09</b>



**BERENS**  
**42.183.13**  
13 cm



**CASTROVIEJO**  
**42.185.13**  
13 cm  
4 x 13 mm



**GRAEFE**  
**42.187.13**  
13 cm



**KNAPP**  
**42.202.01**  
*fig 1*



**KNAPP**  
**42.202.02**  
*fig 2*



**KNAPP**  
**42.202.03**  
*fig 3*



**ZIEGLER**  
**42.210.01**  
5 mm  
*fig 1*



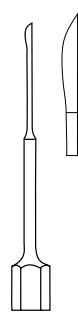
**ZIEGLER**  
**42.210.02**  
6 mm  
*fig 2*



**ZIEGLER**  
**42.210.03**  
7 mm  
*fig 3*



**DEAN**  
**42.213.12**  
12.5 cm



**BOWMAN**  
**42.214.04**  
0.4 mm  
**42.214.08**  
0.8 mm



**WHEELER**  
**42.218.12**

**WESSELY**  
**42.181.05 - 42.181.09**  
13 cm  
45 °



**ZIEGLER**  
**42.221.11**  
11 cm



**SATO**  
**42.226.12**  
12.5 cm



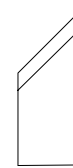
**TOOK**  
**42.228.12**  
12 cm



**42.220.01**  
2 x 5 mm  
*fig 1*



**42.220.03**  
2 x 5 mm  
*fig 3*



**42.220.06**  
2 x 5 mm  
*fig 6*



**42.220.00**  
**42.220.07**  
2 x 5 mm  
*fig 7*



**42.220.09**  
1 x 3 mm  
*fig 9*



**42.220.11**  
1 x 3 mm  
*fig 11*

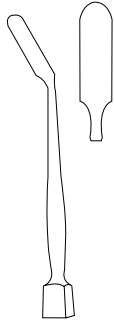


**42.220.13**  
1.1 / 1.3 x 5 mm  
*fig 13*





**GILL**  
42.231.12  
12 cm



**ELSCHMIG**  
42.233.13  
13 cm



**KUHNT**  
42.240.01  
*fig. 1*



**KUHNT**  
42.240.02  
*fig. 2*



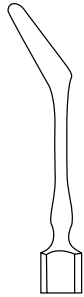
**KUHNT**  
42.240.03  
*fig. 3*



**KUHNT**  
42.240.04  
*fig. 4*



**PATON**  
42.245.12  
12 cm



**LUNDSGAARD**  
42.251.12  
12 cm



**GUYTON - LUNDS GAARD**  
42.253.12



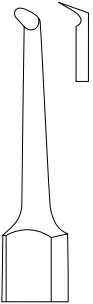
**BARKAN**  
42.256.12



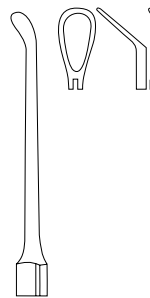
**SCHEIE**  
42.258.12



**BURCH**  
42.262.12



**PAUFIQUE**  
42.271.11



**BARRAQUER**  
42.273.13



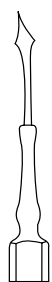
**STAR**  
42.304.12



**STAR**  
42.305.12



**BOWMAN**  
42.308.12



**BOWMAN**  
42.309.12



42.310.13



42.311.13



**LEVINSON**  
42.314.13



**FRANCIS**  
42.321.12



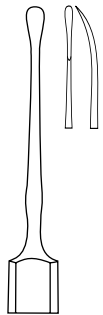
**DAVIS**  
42.325.13  
13 cm



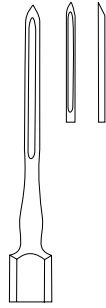
**LAFORCE**  
42.327.12



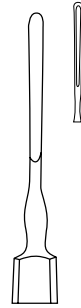
**DIX**  
42.330.13



**ELLIS**  
42.331.11



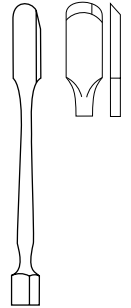
**WALTON**  
42.332.12



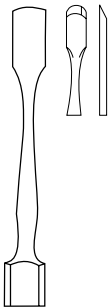
**WALTON**  
42.334.12



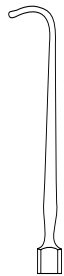
**ALVIS**  
42.336.12



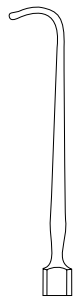
**GREEN**  
42.340.13



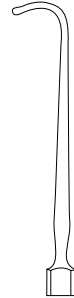
**ROLLET**  
42.342.12



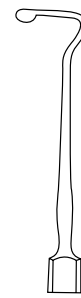
**GRAEFE**  
42.351.01  
42.352.01 T  
*fig. 1*



**GRAEFE**  
42.351.02  
42.352.02 T  
*fig. 2*



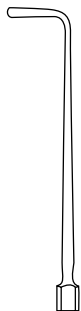
**GRAEFE**  
42.351.03  
42.352.03 T  
*fig. 3*



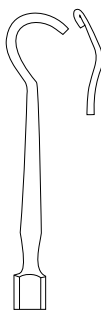
**JAMESON**  
42.353.13



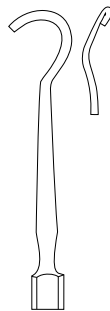
**GREEN**  
42.355.13



**STEVENS**  
42.357.13



**ARRUGA**  
42.363.01



**ARRUGA**  
42.363.02  
*fig. 1*



**O'CONNOR**  
42.370.12  
*fig. 2*



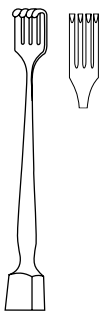
**WIENER**  
42.372.13



**WIENER**  
42.373.13



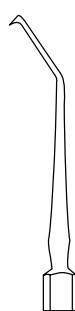
**ROLLET**  
42.376.13



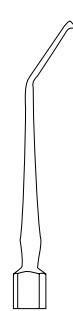
**KNAPP**  
42.377.13



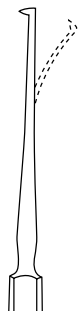
**GRAEFE**  
42.380.13



**GRAEFE**  
42.381.13



**GRAEFE**  
42.383.13



**BECKER**  
42.386.13



**MEYHOEFER**  
42.402.05  
Ø 0.5 mm



**MEYHOEFER**  
42.402.10  
Ø 1 mm



**MEYHOEFER**  
42.402.15  
Ø 1.5 mm



**MEYHOEFER**  
42.402.18  
Ø 1.8 mm



**MEYHOEFER**  
42.402.20  
Ø 2 mm



**MEYHOEFER**  
42.402.25  
Ø 2.5 mm



**MEYHOEFER**  
42.402.35  
Ø 3.5 mm



**MEYHOEFER**  
42.402.40  
Ø 4 mm



**MEYHOEFER**  
42.402.45  
Ø 4.5 mm



**HEBRA**  
42.404.10  
Ø 1 mm



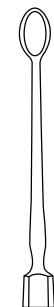
**HEBRA**  
42.404.20  
Ø 2 mm



**HEBRA**  
42.404.25  
Ø 2.5 mm



**HEBRA**  
42.404.30  
Ø 3 mm



**HEBRA**  
42.404.35  
Ø 3.5 mm



**AXENFELD**  
42.407.13



**GRAEFE**  
42.410.01



**GRAEFE**  
42.410.02



**DAVIEL**  
42.412.01



**KNAPP**  
42.414.02



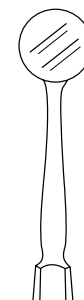
**DAVIEL**  
42.412.02



**BUNGE**  
42.420.01



**BUNGE**  
42.420.02



**BUNGE**  
42.420.03



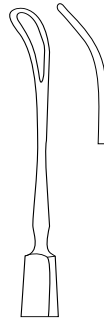
**WEBER**  
42.441.01  
*fig. 1*



**WEBER**  
42.441.02  
*fig. 2*



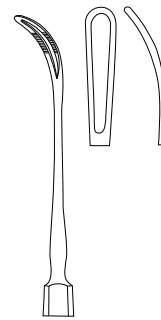
**SNELLEN**  
42.443.13



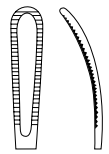
**WILDER**  
42.445.13  
*fig. 1*



**WILDER**  
42.447.13  
*fig. 2*



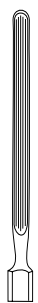
**ARLT**  
42.449.01



**ARLT**  
42.449.02



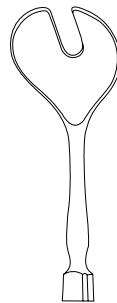
**WECKER**  
42.461.13



**WECKER**  
42.462.13



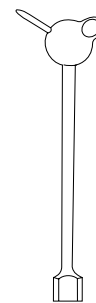
**CULLER**  
42.467.13



**WELLS**  
41.482.20



**ARRUGA**  
42.485.13  
*protector*



**WADSWORTH TOOD**  
42.487.14  
*cauter*



**LANG**  
42.424.13  
13 cm



**CASTROVIEJO**  
42.511.13 - 42.517.09  
8 x 15 mm  
13 cm



**CASTROVIEJO**  
42.521.12  
12 cm



**WHEELER**  
42.523.12  
12 cm



**CASTROVIEJO**  
42.525.05 - 42.525.10  
14 cm



42.501.06  
6 cm



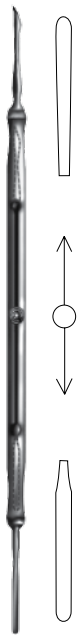
42.501.10  
10 cm



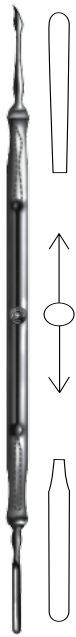
42.501.12  
12 cm

**BANGERTER**  
42.501.06 - 42.501.12

0.5 Ø mm	42.525.05
0.75 Ø mm	42.525.07
1 Ø mm	42.525.10



**DIX**  
42.542.12



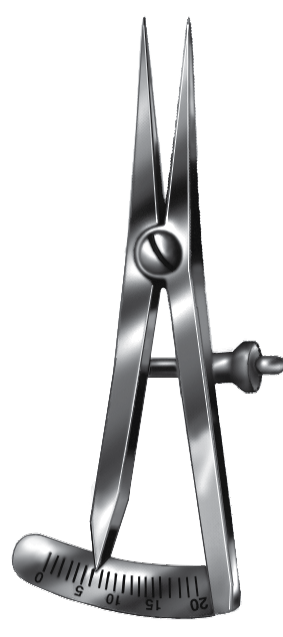
**DIX**  
42.544.12



**DIX**  
42.546.13



**DIX**  
42.548.13



**CASTROVIEJO**  
42.583.07



**CONNIN**  
42.589.13



**DASTOOR**  
42.590.06



**HOLTH**  
42.593.09



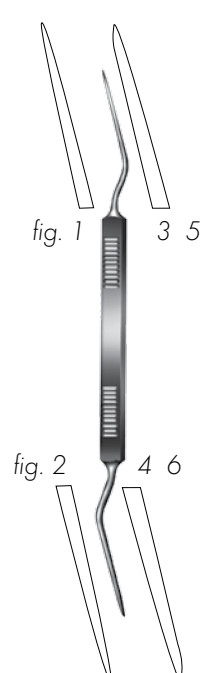
**WILDER**  
42.602.01



**WILDER**  
42.602.02



**WILDER**  
42.602.03



**ZIEGLER**  
42.605.12 - 42.605.56

fig. 1 y 2	42.605.12
fig. 3 y 4	42.605.34
fig. 5 y 6	42.605.56



**CASTROVIEJO**  
42.608.12



0.7 / 0.8 Ø mm	<b>42.614.00</b>
0.8 / 0.9 Ø mm	<b>42.614.01</b>
0.9 / 1.1 Ø mm	<b>42.614.12</b>
1.1 / 1.3 Ø mm	<b>42.614.23</b>
1.3 / 1.4 Ø mm	<b>42.614.34</b>
1.4 / 1.5 Ø mm	<b>42.614.45</b>
1.5 / 1.6 Ø mm	<b>42.614.56</b>
1.6 / 1.8 Ø mm	<b>42.614.67</b>
1.8 / 1.9 Ø mm	<b>42.614.78</b>

**BOWMAN**  
42.614.00 - 42.614.78



0.7 / 0.8 Ø mm	<b>42.616.00</b>
0.8 / 0.9 Ø mm	<b>42.616.01</b>
0.9 / 1.1 Ø mm	<b>42.616.12</b>
1.1 / 1.3 Ø mm	<b>42.616.23</b>
1.3 / 1.4 Ø mm	<b>42.616.34</b>
1.4 / 1.5 Ø mm	<b>42.616.45</b>
1.5 / 1.6 Ø mm	<b>42.616.56</b>
1.6 / 1.8 Ø mm	<b>42.616.67</b>
1.8 / 1.9 Ø mm	<b>42.616.78</b>

**BOWMAN**  
42.616.00 - 42.616.78



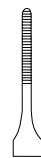
**HARMS**  
42.618.80  
*left*  
42.618.81  
*right*



**42.620.14**  
2 eyes  
14.5 cm



**GRAEFE**  
42.802.05 - 42.802.07  
7 cm



0.5 mm	<b>42.802.05</b>
0.7 mm	<b>42.802.06</b>
1 mm	<b>42.802.07</b>



**GRAEFE**  
42.803.05 - 42.803.07  
7 cm



0.5 mm	<b>42.803.05</b>
0.7 mm	<b>42.803.06</b>
1 mm	<b>42.803.07</b>



0.5 mm	<b>42.804.05</b>
0.7 mm	<b>42.804.06</b>
1 mm	<b>42.804.07</b>



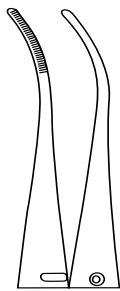
0.5 mm	<b>42.805.05</b>
0.7 mm	<b>42.805.06</b>
1 mm	<b>42.805.07</b>

**GRAEFE**  
**42.804.05 - 42.804.07**  
1 x 2 teeth  
7 cm

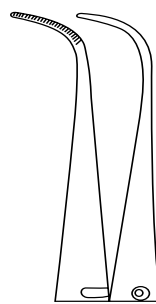
**GRAEFE**  
**42.805.05 - 42.805.07**  
1 x 2 teeth  
7 cm



**42.810.10**



**42.811.10**



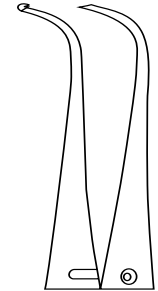
**42.813.10**



**42.820.10**  
1 x 2 teeth

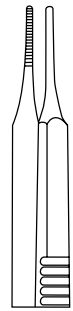


**42.821.10**  
1 x 2 teeth

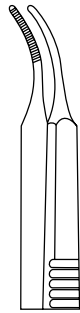


**42.823.10**  
1 x 2 teeth

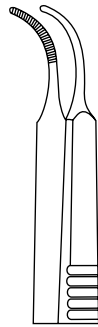
**GRAEFE**  
**42.810.10 - 42.823.10**  
10 cm



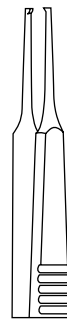
42.830.10



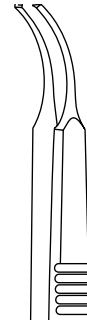
42.831.10



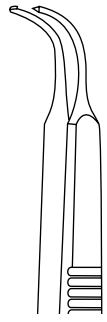
42.833.10



42.840.10



40.841.10



42.843.10

**STEVENS**

42.830.10 - 42.843.10



**FOERSTER**  
 42.850.08  
 8.5 cm



**FOERSTER**  
 42.851.08  
 8.5 cm

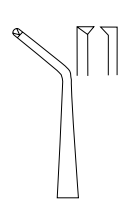


**FOERSTER**  
 42.852.08  
 8.5 cm

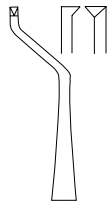


**FOERSTER**  
 42.853.08  
 8.5 cm

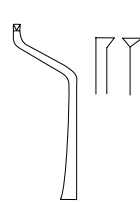




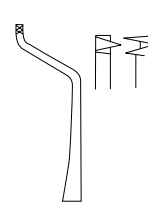
42.855.07



42.857.07



42.863.07



42.865.07



**HESS**  
42.855.07 - 42.857.07  
0.3 mm  
7 cm

**HESS**  
42.861.07  
0.3 mm  
7 cm

**GILL**  
42.863.07 - 42.865.07  
7.5 cm  
tip 0.3 mm

**FISCHER**  
42.869.07  
7 cm



42.885.07



42.887.07

**BARRAQUER KATZIN**  
42.881.03  
7 cm

**BARRAQUER KATZIN**  
42.881.05  
0.12 mm  
7 cm

**BARRAQUER KATZIN**  
42.881.07  
0.4 mm  
7 cm

**TROUTMAN**  
42.883.07  
0.12 mm  
7 cm

**BARRAQUER colibri**  
42.885.07 - 42.887.07  
0.12 mm  
7 cm



**KIRBY- ARTHUR**  
42.891.09  
1 x 2 teeth  
9 cm ø 0.2



**KIRBY- ARTHUR**  
42.893.09  
9 cm ø 0.2



**McCULLOUGH**  
42.902.09  
9.5 cm



**McCULLOUGH**  
42.904.09  
9.5 cm



**JAMESON**  
42.907.10 - 42.909.10  
left - right



**BONACCOLTO**  
42.914.10 - 42.916.10



**BONACCOLTO**  
42.920.11  
sharp  
11 cm



**DASTOOR**  
42.924.11  
blunt  
11 cm



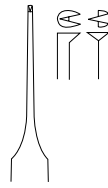
**DASTOOR**  
42.926.11  
1 x 2 teeth  
11 cm



0.5 mm	<b>42.940.05</b>
0.8 mm	<b>42.940.08</b>



0.5 mm	<b>42.942.05</b>
0.8 mm	<b>42.942.08</b>



**BISHOP HARMAN**  
42.940.05 - 42.940.08  
8.5 cm

**BISHOP HARMAN**  
42.942.05 - 42.942.08

**BONN**  
42.944.07  
0.12 mm  
7 cm

**BONN**  
42.946.07  
0.12 mm  
7 cm



**BONN**  
42.946.10  
0.12 mm  
10 cm

**ELLIOT**  
42.946.12  
10 cm

**TÜBINGEN**  
42.950.10 - 42.954.10 T  
10 cm

**BONN**  
42.952.10 - 42.956.10 T  
10 cm

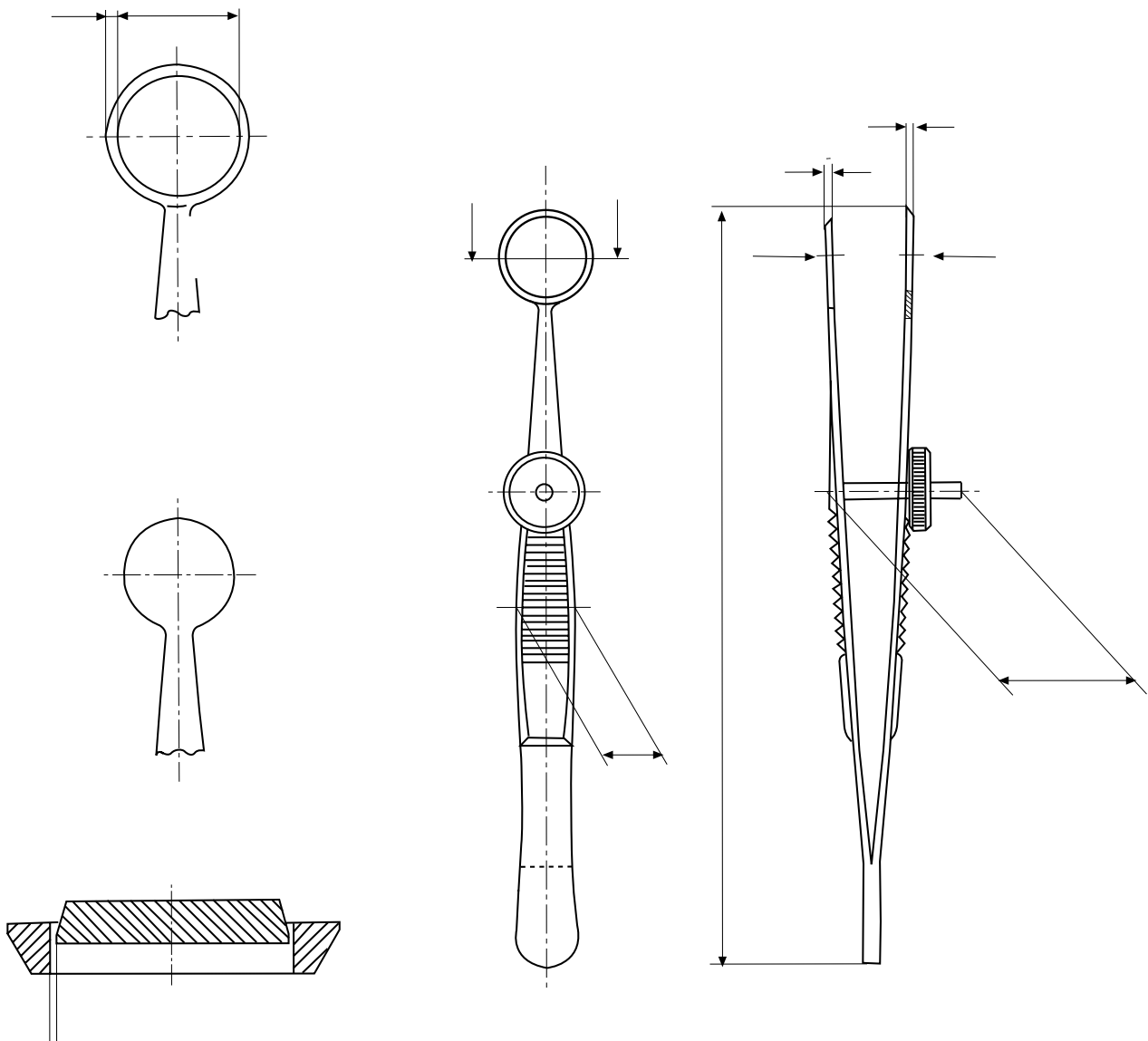
**TÜBINGEN**  
42.953.10 - 42.957.10 T  
10 cm

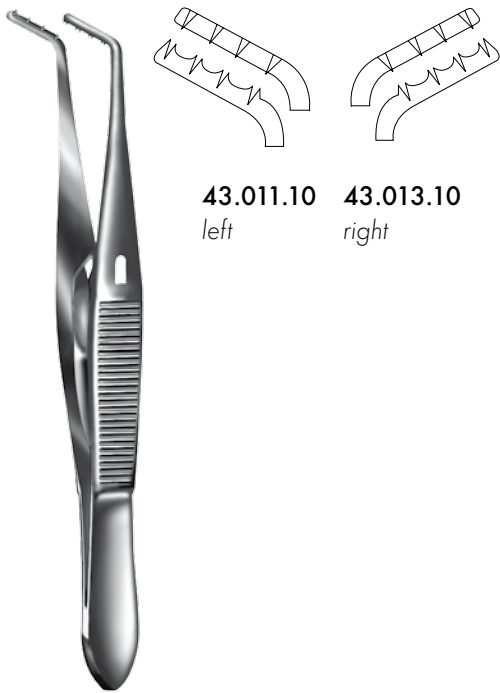
# 43

## Ophthalmology

### Ophtalmologie

### Oftalmologia





**43.011.10**  
*left*

**43.013.10**  
*right*



**43.015.20**

**43.015.27**

20 cm	<b>43.015.20</b>
27 cm	<b>43.015.27</b>

**PRINCE**  
**43.011.10 - 43.013.10**  
10 cm

**BERKE**  
**43.015.20 - 43.015.27**



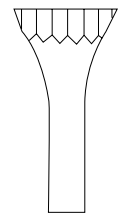
**TROUTMAN**  
**43.017.08**  
8.5 cm  
0.8 mm



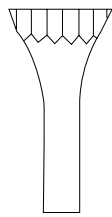
**BARRAQUER**  
**43.021.05**  
5.5 cm  
7 mm



**ELSCHNIG**  
**43.046.11**  
1 x 2 teeth  
11 cm



**43.050.11**  
without catch



**43.052.11**  
with catch

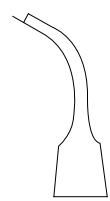
**GRAEFE**  
43.050.11 - 43.052.11  
11 cm



**LESTER**  
43.054.09  
1 x 2 teeth  
9 cm

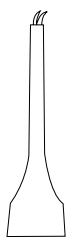


**43.066.09**

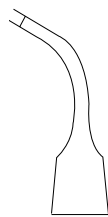


**43.067.09**

**CASTROVIEJO**  
43.066.09 - 43.067.09  
1 x 1 teeth  
9 cm



**43.068.09**



**43.069.09**

**CASTROVIEJO**  
43.068.09 - 43.069.09  
2 x 2 teeth  
9 cm



**BARRAQUER**  
43.074.10  
10 cm



5 mm



10 mm

	without catch	with catch
5 mm	43.076.05	43.078.05
10 mm	43.076.10	43.078.10

**GREEN**  
43.076.05 - 43.078.10  
10 cm



**GILL ARRUGA**  
43.101.07  
7 cm



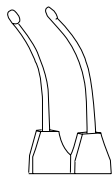
**TERSON**  
43.103.09  
5 x 6 teeth  
9 cm



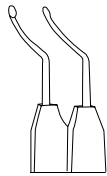
**ELSCHNIG**  
43.109.10  
10 cm



**ARRUGA**  
43.111.10 - 43.114.10  
10 cm



43.111.10



43.114.10



**CASTROVIEJO**  
43.115.10  
10 cm



**SCHWEIGGER**  
43.117.10  
10 cm



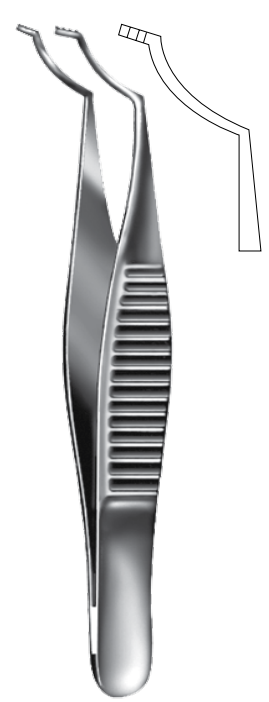
**SCHWEIGGER**  
43.119.10  
10 cm



**ELSCHNIG**  
43.121.10  
10 cm



**HESS**  
43.125.06  
6 cm



**HESS**  
43.127.06  
6 cm



**FUCHS**  
43.129.07  
7 cm



**CASTROVIEJO**  
43.150.01 - 43.150.15  
10 cm

0.12 mm teeth	<b>43.150.01</b>
0.3 mm teeth	<b>43.150.03</b>
0.5 mm teeth	<b>43.150.05</b>
1.0 mm teeth	<b>43.150.10</b>
1.5 mm teeth	<b>43.150.15</b>



**CASTROVIEJO**  
43.151.01 - 43.151.15  
10 cm

0.12 mm teeth	<b>43.151.01</b>
0.5 mm teeth	<b>43.151.05</b>
1.0 mm teeth	<b>43.151.10</b>
1.5 mm teeth	<b>43.151.15</b>





**MOORFIELD**  
43.164.10  
10 cm



**ST. MARTIN**  
43.166.07  
7 cm



**TÜBINGEN**  
43.181.10  
10 cm



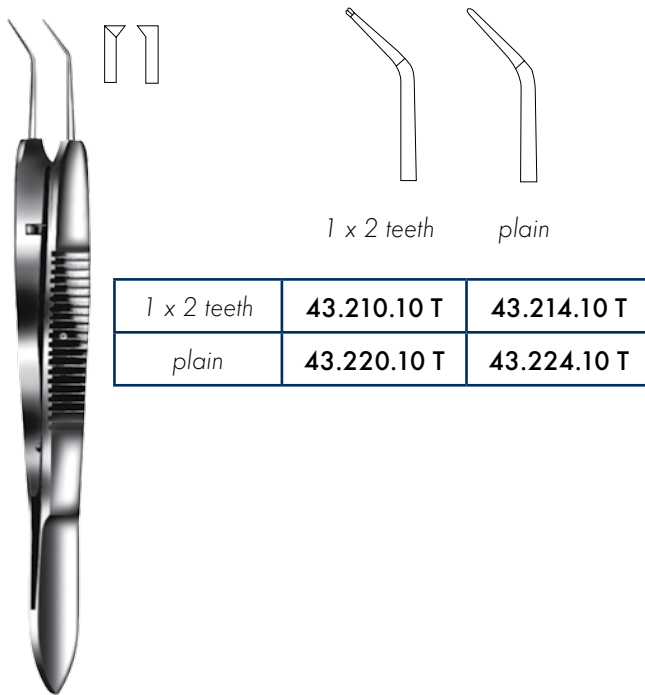
<i>plain</i>	<b>43.190.08</b>
<i>1 x 2 teeth</i>	<b>43.202.08</b>

**PAUFIQUE**  
43.190.08 - 43.202.08  
8 cm



<i>plain</i>	<b>43.202.08 T</b>
<i>1 x 2 teeth</i>	<b>43.206.08 T</b>

**PAUFIQUE**  
43.202.08 T - 43.206.08 T  
8 cm



<i>1 x 2 teeth</i>	<b>43.210.10 T</b>	<b>43.214.10 T</b>
<i>plain</i>	<b>43.220.10 T</b>	<b>43.224.10 T</b>

**McPHERSON**  
43.210.10 T - 43.224.10 T  
10 cm



**AYER**  
43.240.09  
9 cm



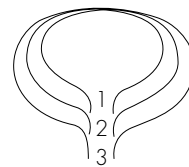
**AYER**  
43.242.09  
9 cm



**LAMBERT**  
43.246.09  
9 cm



**DESMARRES**  
43.254.09 - 43.258.09  
9 cm



<i>fig. 1</i>	<b>43.254.09</b>
<i>fig. 2</i>	<b>43.256.09</b>
<i>fig. 3</i>	<b>43.258.09</b>



**ERHARDT**  
43.258.14  
9 cm

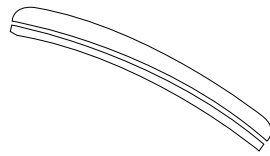


fig. 1

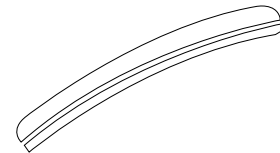


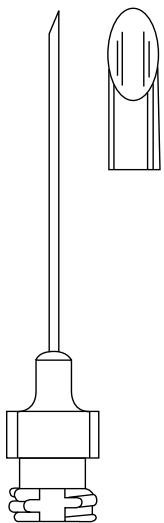
fig. 2

fig. 1	43.265.10
fig. 2	43.267.10

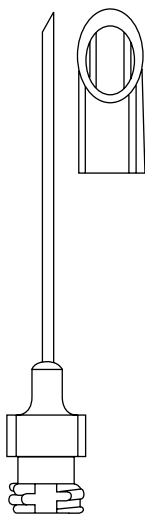


**SNELLEN**  
43.265.10 - 43.267.10  
10 cm

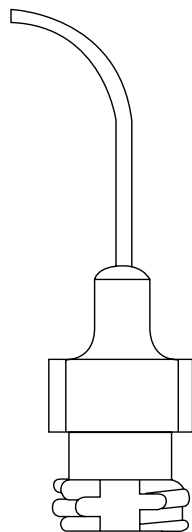
**KNAPP LUER**  
43.274.11  
11 cm



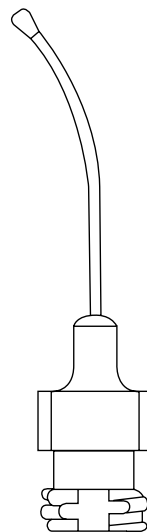
**SCHEIE**  
43.302.28  
0.1 x 2.8 cm



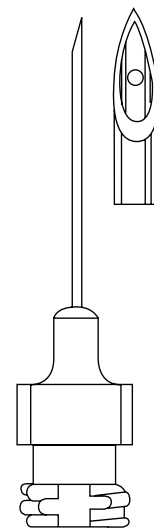
**SCHEIE**  
43.302.33  
1.5 x 3.3 cm



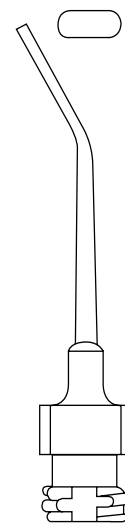
**TÜBINGEN**  
43.303.45



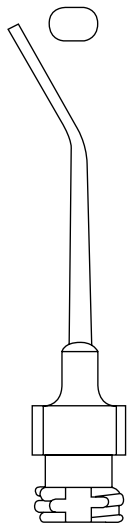
**HAMBURG**  
43.305.00



**SIMCOE**  
43.306.00



**BONN**  
43.307.00

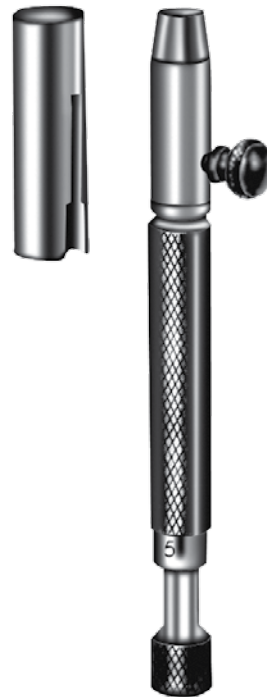


**BONN**  
43.309.00



5 Ø mm	43.310.50
5.5 Ø mm	43.310.55
6 Ø mm	43.310.60
6.5 Ø mm	43.310.65
7 Ø mm	43.310.70
8 Ø mm	43.310.80
9 Ø mm	43.310.90
10 Ø mm	43.311.00
11 Ø mm	43.311.01

**CASTROVIEJO**  
43.310.50 - 43.311.01



5 Ø mm	43.320.50
5.1 Ø mm	43.320.51
6 Ø mm	43.320.60
6.1 Ø mm	43.320.61
7 Ø mm	43.320.70
7.1 Ø mm	43.320.71
8 Ø mm	43.320.80
8.1 Ø mm	43.320.81
9 Ø mm	43.320.90
9.1 Ø mm	43.320.91
10 Ø mm	43.321.00

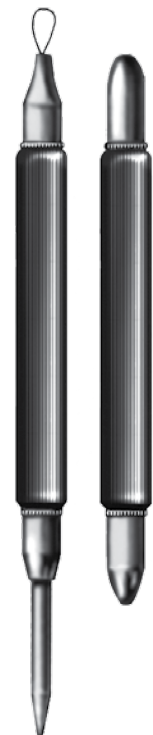
**FRANCESCHETTI**  
43.320.50 - 43.321.00



**ELLIOT**  
43.340.00  
complete = 4



**SCHIOETZ**  
43.404.00 straight scale  
43.406.00 oblique scale



43.408.00  
eye magnet



**BEER**  
43.420.09  
9 cm



**DOUGLAS**  
43.422.09  
9 cm



**LITTAUER**  
43.424.08  
8.5 cm



**BARRAQUER**  
43.425.10  
10.5 cm



**43.426.09**  
9 cm



**GRADLE**  
43.428.09  
9 cm



○ 44.010.30  
ø 3.0 mm

○ 44.012.55  
ø 5.5 mm

○ 44.014.45  
ø 4.5 mm

○ 44.010.45  
ø 4.5 mm

○ 44.012.65  
ø 6.5 mm

○ 44.014.55  
ø 5.5 mm

○ 44.010.55  
ø 5.5 mm

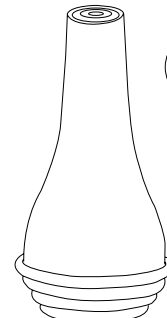
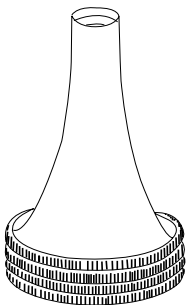
○ 44.012.75  
ø 7.5 mm

○ 44.014.65  
ø 6.5 mm

○ 44.010.65  
ø 6.5 mm

○ 44.014.75  
ø 7.5 mm

○ 44.010.75  
ø 7.5 mm



**HARTMANN**

44.010.00

set = 4

ø 4,5 - ø 7,5

**TOYNBEE**

44.012.00

set = 3

ø 5,5 - ø 7,5

**GRUBER**

44.014.00

set = 4

ø 4,5 - ø 7,5

○ 44.015.45  
ø 4.5 mm

○ 44.018.50  
ø 5 mm

○ 44.020.01  
ø 5.5 mm

○ 44.015.55  
ø 5.5 mm

○ 44.018.60  
ø 6 mm

○ 44.020.02  
ø 6.5 mm

○ 44.015.65  
ø 6.5 mm

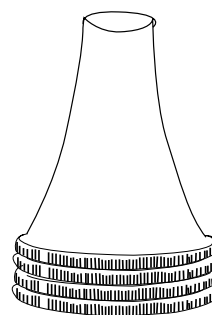
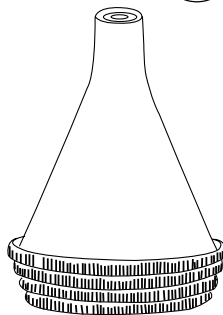
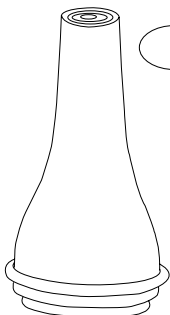
○ 44.018.70  
ø 7 mm

○ 44.020.03  
ø 7.5 mm

○ 44.015.75  
ø 7.5 mm

○ 44.018.80  
ø 8 mm

○ 44.020.04  
ø 8.5 mm



○ 44.020.05  
ø 9.5 mm

○ 44.020.06  
ø 10.5 mm

○ 44.020.07  
ø 11.5 mm

○ 44.020.08  
ø 7,2 mm  
only available in set

○ 44.020.09  
ø 7,7 mm  
only available in set

**GRUBER**  
44.015.00

set = 3

ø 5,5 - ø 7,5

**BOUCHERON**  
44.018.00

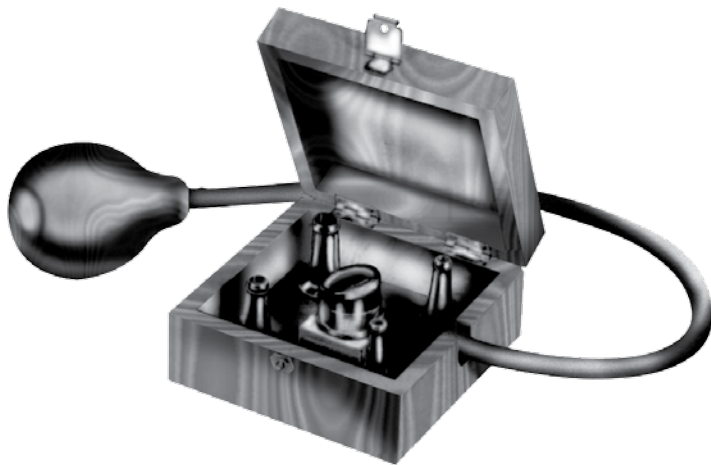
set = 4

ø 5 - ø 8

**FARRIOR**  
44.020.00

set = 9

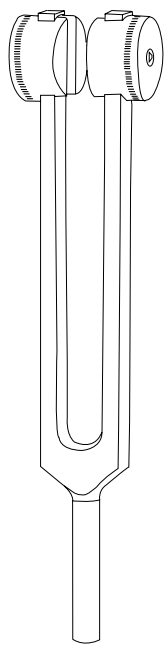
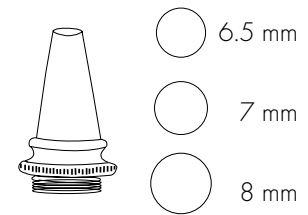
ø 3,3 - ø 7,7



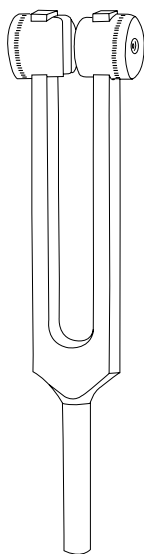
**BHRUENINGS**  
 44.030.04  
 complete



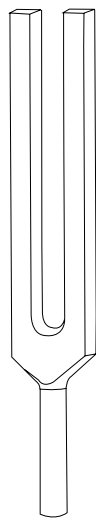
**SIEGLE**  
 44.036.03  
 complete



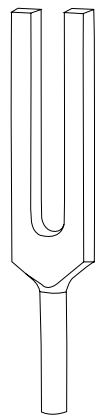
**44.060.01**  
 C 128



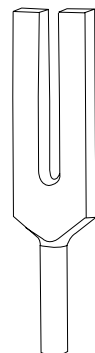
**44.060.02**  
 C 256



**44.060.03**  
 C 512



**44.060.04**  
 C 1024

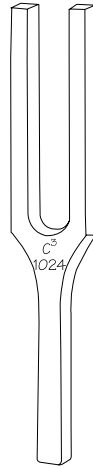
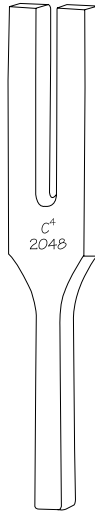
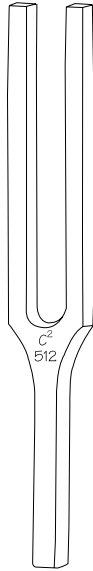
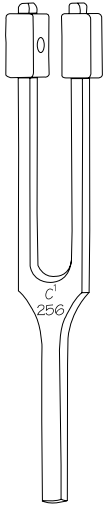
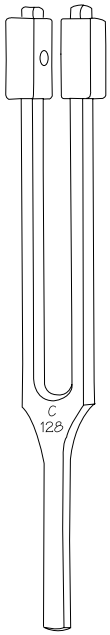


**44.060.05**  
 C 2048



**DIAPASON**  
 44.061.00  
 set 5





**HARTMANN**

**44.070.01**

C 128

**HARTMANN**

**44.070.02**

C 256

**HARTMANN**

**44.070.03**

C 512

**HARTMANN**

**44.070.04**

C 1024

**HARTMANN**

**44.070.05**

C 2048

**HARTMANN**

**44.071.00**

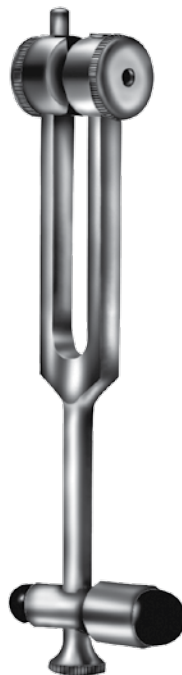
complete



**LUCAE**

**44.074.01**

C 128



**44.075.00**



**RYDEL - SEIFFER**

**44.076.01**

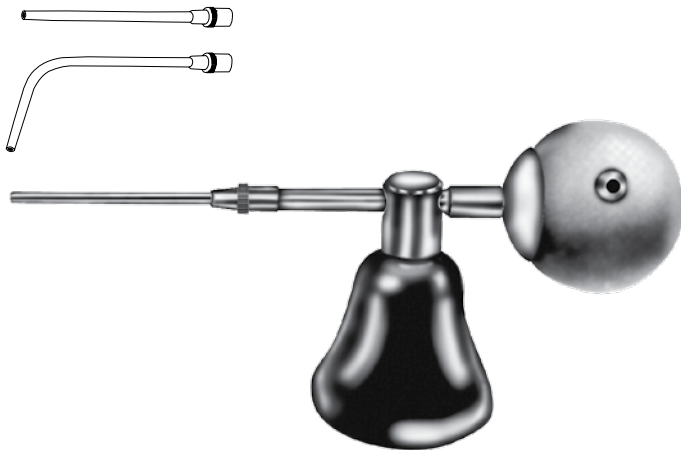
C 64 / C 128



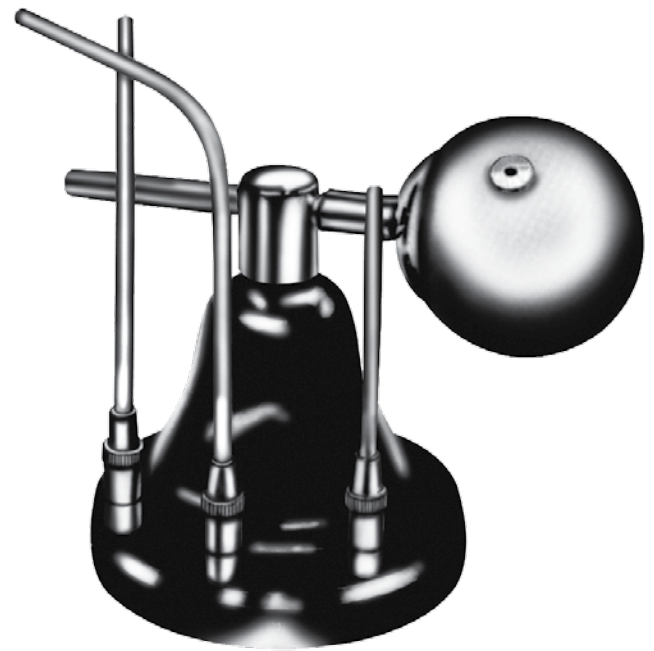
**BARANY**

**44.080.00**

noise apparatus



**KABIERSKE**  
**44.090.00**  
 powder blower  
 30 cc



**KABIERSKE**  
**44.090.01**  
 powder blower  
 30 cc



**POLITZER**  
**44.091.00**  
 complete



**44.091.03**



**44.091.15**  
 ø 15 mm



**44.091.04**  
 ø 4 mm



**44.091.22**  
 ø 22 mm



**44.091.17**  
 ø 17 mm

**44.091.01**  
 only

**44.091.35**  
 air bag only



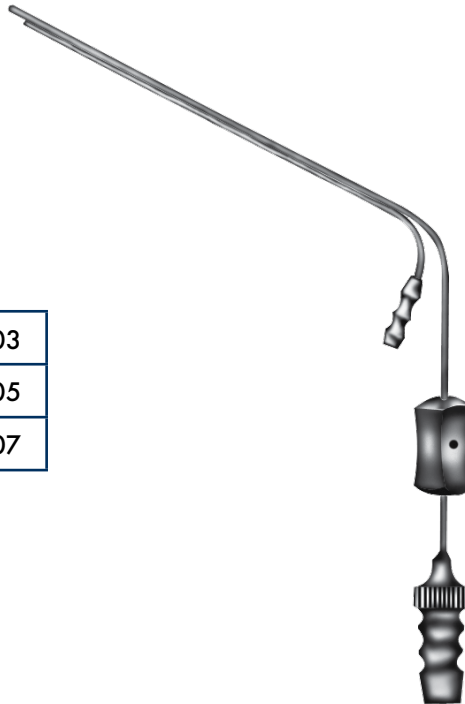
**REINER**  
**44.096.50 - 44.097.15**

50 ml	<b>44.096.50</b>
75 ml	<b>44.096.75</b>
100 ml	<b>44.097.10</b>
150 ml	<b>44.097.15</b>



1 mm / 3 charr.	<b>44.101.03</b>
1.7 mm / 5 charr.	<b>44.101.05</b>
2 mm / 7 charr.	<b>44.101.07</b>

**BARON**  
44.101.03 - 44.101.07



<i>fig. 1</i>	<b>44.103.01</b>
<i>fig. 2</i>	<b>44.103.02</b>
<i>fig. 3</i>	<b>44.103.03</b>
<i>fig. 4</i>	<b>44.103.04</b>

**HOUSE**  
44.103.01 - 44.103.04



0.7 x 80 Ø mm	<b>44.104.01</b>
0.9 x 80 Ø mm	<b>44.104.02</b>
1.2 x 80 Ø mm	<b>44.104.03</b>

**ROSEN**  
44.104.01 - 44.104.03



0.7 x 65 Ø mm	<b>44.105.01</b>
0.9 x 65 Ø mm	<b>44.105.02</b>
1.2 x 65 Ø mm	<b>44.105.03</b>
1.5 x 65 Ø mm	<b>44.105.04</b>
2 x 65 Ø mm	<b>44.105.05</b>

**ROSEN**  
44.105.01 - 44.105.05



44.106.01






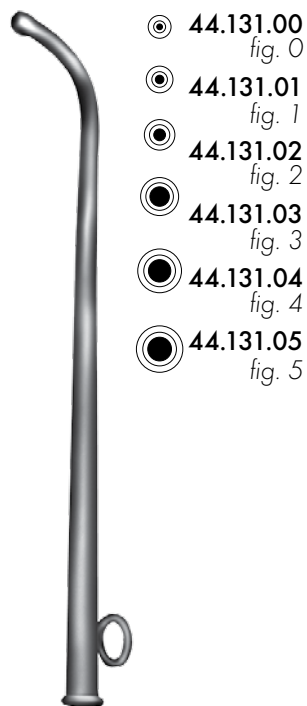



		fig. 00	fig. 0	fig. 1	fig. 2	fig. 3	fig. 4	fig. 5
	blunt	44.109.00	44.110.00	44.110.01	44.110.02	44.110.03	44.110.04	44.110.05
	sharp	44.111.00	44.112.00	44.112.01	44.112.02	44.112.03	44.112.04	44.112.05
	blunt	44.114.00	44.115.00	44.115.01	44.115.02	44.115.03	44.115.04	44.115.05
	sharp	44.116.00	44.117.00	44.117.01	44.117.02	44.117.03	44.117.04	44.117.05

**BUCK**  
 44.109.00 - 44.117.05  
 curettes



- ◎ 44.131.00  
fig. 0
- ◎ 44.131.01  
fig. 1
- ◎ 44.131.02  
fig. 2
- ◎ 44.131.03  
fig. 3
- ◎ 44.131.04  
fig. 4
- ◎ 44.131.05  
fig. 5

**HARTMANN**  
 44.131.00 - 44.131.05



- ◎ 44.133.01  
fig. 1
- ◎ 44.133.02  
fig. 2
- ◎ 44.133.03  
fig. 3
- ◎ 44.133.04  
fig. 4
- ◎ 44.133.05  
fig. 5

**ITARD**  
 44.133.01 - 44.133.05



**POLITZER**  
 44.150.18  
 18 cm



**POLITZER**  
44.151.16  
16.5 cm



**POLITZER**  
44.153.16  
16.5 cm



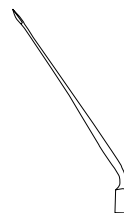
**POLITZER**  
44.160.15  
15 cm



**SEXTON**  
44.162.18 44.165.17  
18 cm 17 cm



44.162.18  
18 cm



44.164.17  
17 cm



44.165.17  
17 cm



**GROSS**  
44.170.12  
12 cm



**GROSS**  
44.171.12  
12 cm



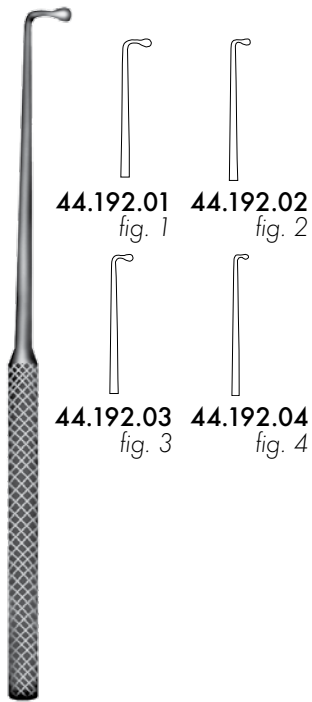
44.180.01  
44.180.02  
44.180.03

**BILLEAU**  
44.180.01 - 44.180.03  
15.5 cm

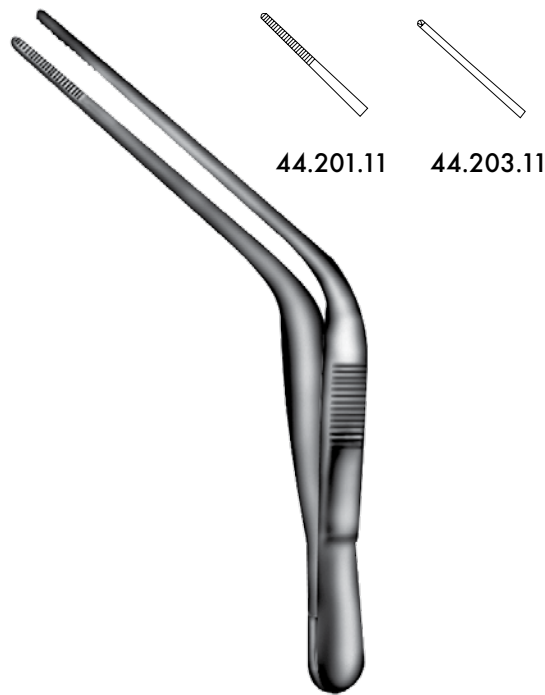


44.190.01  
Large  
44.190.02  
Small

**DAY**  
44.190.01 - 44.190.02  
16 cm



**WAGENER**  
 44.192.01 - 44.192.04  
 14 cm



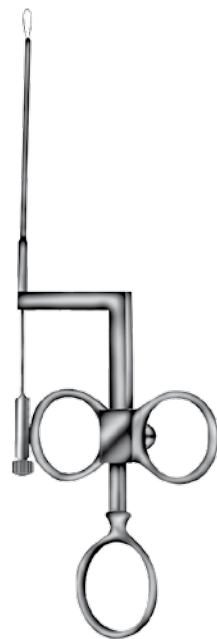
**WILDE (TROELTSCH)**  
 44.201.11 - 44.203.11  
 12 cm



**LUCAE**  
 44.206.14 44.206.16  
 14 cm 16 cm



**KRAUSE**  
 44.220.16  
 16 cm



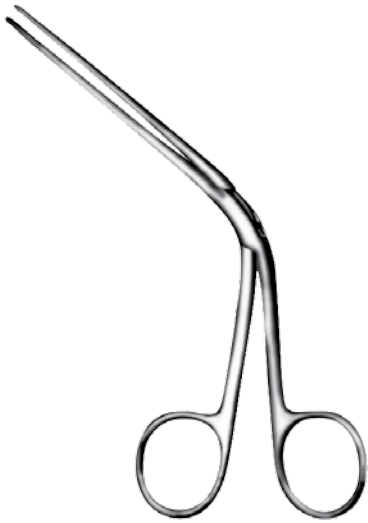
**WILDE**  
 44.222.17  
 17 cm



44.225.02  
 0.2 mm  
 doz



**HARTMANN**  
 44.241.12 - 44.241.14



**TILLEY**  
44.243.14  
14 cm



**LITTAUER**  
44.245.12  
10 cm



**QUIRE**  
44.251.10  
10 cm



**BUCK**  
44.253.11  
11 cm



**HARTMANN-WULLSTEIN**  
44.255.08  
8.5 cm



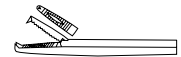
**HARTMANN-WULLSTEIN**  
44.257.08  
8.5 cm



**HARTMANN**



**HARTMANN**



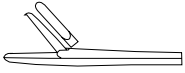
**HARTMANN**  
*1 x 2 teeth*

8.5 cm	<b>44.261.08</b>
14 cm	<b>44.261.14</b>
16 cm	<b>44.261.16</b>

8.5 cm	<b>44.262.08</b>
14 cm	<b>44.262.14</b>
16 cm	<b>44.262.16</b>

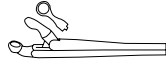
8.5 cm	<b>44.263.08</b>
14 cm	<b>44.263.14</b>
16 cm	<b>44.263.16</b>

**HARTMANN**  
44.255.08 - 44.275.08  
*foreign body levers*



**HARTMANN**

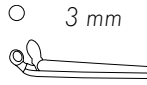
8.5 cm	<b>44.265.08</b>
14 cm	<b>44.265.14</b>
16 cm	<b>44.265.16</b>



**HARTMANN**

8.5 cm

1 ø cm	<b>44.267.10</b>
2 ø cm	<b>44.267.20</b>
2.5 ø cm	<b>44.267.25</b>
3 ø cm	<b>44.267.30</b>
3.5 ø cm	<b>44.267.35</b>



**HARTMANN**

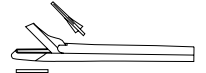
**44.269.30 - 44.270.30**  
8.5 cm



**HARTMANN**

**44.271.08**  
8.5 cm

**44.271.14**  
14 cm



**HARTMANN**

**44.273.08**  
8.5 cm / 1 mm

**44.273.09**  
8.5 cm / 1.5 mm

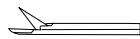


**HARTMANN HOFFMANN**

**44.275.08**  
8.5 cm



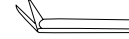
**BELLUCCI**  
**44.310.40 - 44.322.70**  
*micro ear scissors*



**BELLUCCI**  
**44.310.40**  
*micro mini*  
4 mm



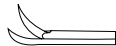
**BELLUCCI**  
**44.312.55**  
*micro standard*  
5.5 mm



**BELLUCCI**  
**44.313.55**  
*micro standard*  
4 mm



**BELLUCCI**  
**44.315.55**  
*micro standard*  
5.5 mm



**BELLUCCI**  
**44.317.55**  
*micro standard*  
5.5 mm



**SHEA**  
**44.320.70**  
7 mm



**SHEA**  
**44.321.70**  
7 mm



**SHEA**  
**44.322.70**  
7 mm



**44.350.40 - 44.360.35**  
*micro ear forceps*



**44.350.40**  
4 mm



**44.350.70**  
7 mm



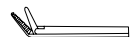
**44.352.40**  
4 mm



**44.353.60**  
6 mm



**44.355.60**  
6 mm



**44.357.40**  
4 mm



**44.359.40**  
4 mm

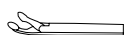


**44.360.35**  
4 mm





44.362.45 - 44.383.30



**44.362.45**  
4.5 mm



**44.363.45**  
4.5 mm



**44.365.45**  
4 mm



**44.367.50**  
5 mm



**44.369.50**  
5 mm



**44.370.50**  
5 mm



**McGEE**  
**44.371.40**  
0.8 x 4.0 mm



**COS**  
**44.373.30**  
1.8 x 0.8 x 3 mm



**JUERS**  
**44.375.60**  
6 mm



**JUERS**  
**44.377.60**  
6 mm



**HAUGH**  
**44.381.30**  
45° 3 mm



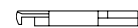
**HAUGH**  
**44.383.30**  
45° 3 mm



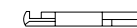
**DIETER**  
**44.385.01 - 44.387.02**  
*malleus nippers*



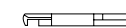
**44.385.01**  
*micro upward*



**44.385.02**  
*micro downward*



**44.387.01**  
*mini upward*



**44.387.02**  
*mini downward*



**44.410.00 - 44.419.00**  
*micro RG ring handle patterns*

44.410.00



44.420.00

44.412.00



44.422.00

44.413.00



44.423.00

44.415.00



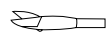
44.425.00

44.417.00



44.427.00

44.419.00



44.429.00



**44.420.00 - 44.429.00**  
*micro - mini RG ring handle patterns*



- |           |  |           |
|-----------|--|-----------|
| 44.430.00 |  | 44.440.00 |
| 44.432.00 |  | 44.442.00 |
| 44.433.00 |  | 44.443.00 |
| 44.435.00 |  | 44.445.00 |
| 44.437.00 |  | 44.447.00 |
| 44.439.00 |  | 44.449.00 |
| 44.439.08 |  |           |

**44.430.00 - 44.439.08**  
micro BG  
pencil handle patterns



**44.440.00 - 44.449.00**  
micro mini BG  
pencil handle patterns



- |           |  |           |
|-----------|--|-----------|
| 44.510.00 |  | 44.610.00 |
| 44.511.00 |  | 44.611.00 |
| 44.513.00 |  | 44.613.00 |
| 44.514.00 |  | 44.614.00 |
| 44.515.00 |  | 44.615.00 |
| 44.516.00 |  | 44.616.00 |
| 44.517.00 |  | 44.617.00 |
| 44.519.00 |  | 44.619.00 |
| 44.520.00 |  | 44.620.00 |
| 44.521.00 |  |           |

**44.510.00 - 44.549.00**  
micro RG  
ring handle patterns



**44.610.00 - 44.649.00**  
micro BG  
pencil handle patterns

1 ø mm	1.5 ø mm	2 ø mm	2.5 ø mm		1 ø mm	1.5 ø mm	2 ø mm	2.5 ø mm
44.522.00	44.528.00	44.534.00	44.540.00		44.622.00	44.628.00	44.634.00	44.640.00
44.523.00	44.529.00	44.535.00	44.541.00		44.623.00	44.629.00	44.635.00	44.641.00
44.525.00	44.531.00	44.537.00	44.543.00		44.625.00	44.631.00	44.637.00	44.643.00
44.527.00	44.533.00	44.539.00	44.545.00		44.627.00	44.633.00	44.639.00	44.645.00
			44.546.00					44.646.00
			44.547.00					44.647.00
			44.548.00					44.648.00
			44.549.00					44.649.00



**44.550.00 - 44.589.00**  
micro mini RG  
ring handle patterns

44.550.00		44.650.00
44.551.00		44.651.00
44.553.00		44.653.00
44.554.00		44.654.00
44.555.00		44.655.00
44.556.00		
44.557.00		44.657.00
44.559.00		44.659.00
44.560.00		44.660.00
44.561.00		
44.562.00		44.662.00
44.563.00		44.663.00
44.565.00		44.665.00
44.567.00		44.667.00
44.586.00		44.686.00
44.587.00		44.687.00
44.588.00		44.688.00
44.589.00		44.689.00



**44.650.00 - 44.689.00**  
micro mini BG  
pencil handle patterns



**SCHUKNECHT**  
44.701.01 - 44.701.02  
15.5 cm



**SCHUKNECHT**  
44.703.15  
15.5 cm



**WULLSTEIN**  
44.704.15  
15.5 cm



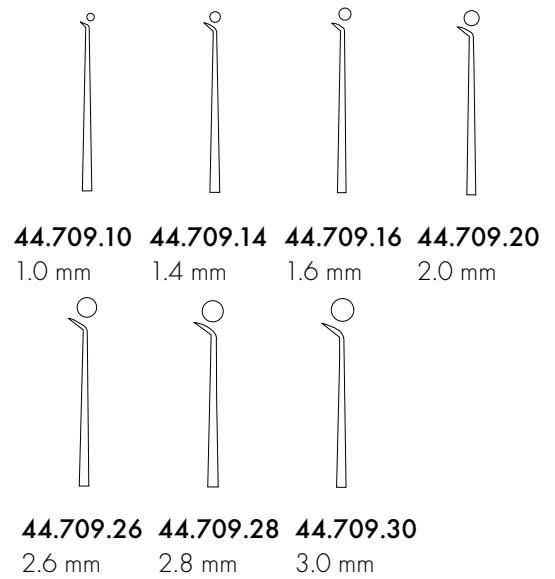
**TABB**  
44.705.15  
15.5 cm



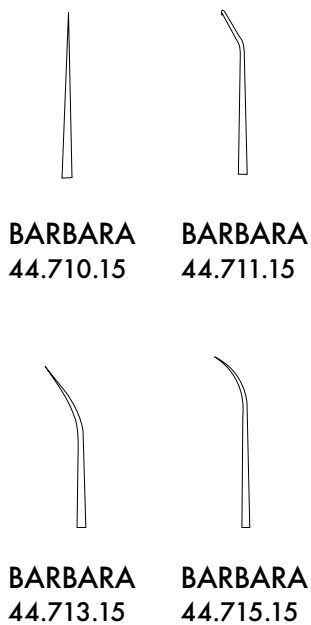
**PLESTER**  
44.706.35  
15.5 cm / ø 3.5 mm



**ROSEN**  
44.709.10 - 44.709.30  
15.5 cm



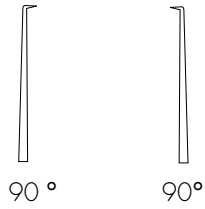
**BARBARA**  
44.710.15 - 44.725.10  
15.5 cm



	25°	45°	90°	
0.3 mm	44.720.03	44.722.03	44.724.03	44.725.05 0.5 mm
0.6 mm	44.720.06	44.722.06	44.724.06	44.725.10 1.0 mm
1 mm	44.720.10	44.722.10	44.724.10	
1.2 mm		44.722.12	44.724.12	
1.5 mm		44.722.15	44.724.15	
2 mm		44.722.20	44.724.20	
2.5 mm		44.722.25	44.724.25	

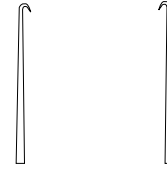


**44.730.03 - 44.747.10**  
15.5 cm



0.3 mm	<b>44.730.03</b>	<b>44.732.03</b>
0.6 mm	<b>44.730.06</b>	<b>44.732.06</b>
1 mm	<b>44.730.10</b>	<b>44.732.10</b>

**McGEE**

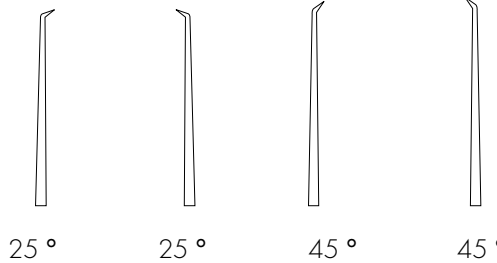


0.5 mm	<b>44.733.05</b>	<b>44.735.05</b>
1 mm	<b>44.733.10</b>	<b>44.735.10</b>

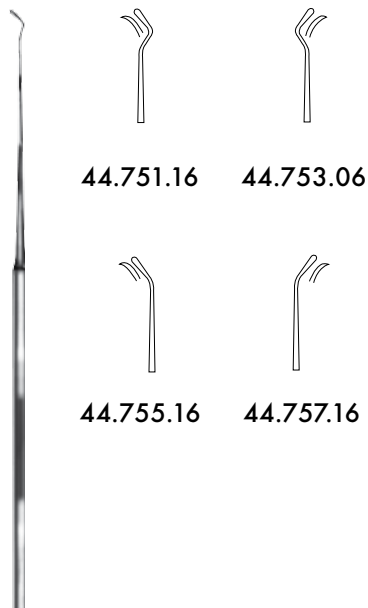
**BARBARA**  
44.736.15



**ROSEN**  
44.737.15



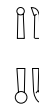
0.3 mm	<b>44.741.03</b>	<b>44.743.03</b>	<b>44.745.03</b>	<b>44.747.03</b>
0.6 mm	<b>44.741.06</b>	<b>44.743.06</b>	<b>44.745.06</b>	<b>44.747.06</b>
1 mm	<b>44.741.10</b>	<b>44.743.10</b>	<b>44.745.10</b>	<b>44.747.10</b>



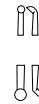
**FISCH**  
44.751.16 - 44.757.16  
15.5 cm



**HOUSE**  
44.760.01 - 44.762.02  
15.5 cm



1 / 1.2 mm	<b>44.760.01</b>
1.5 / 1.8 mm	<b>44.760.02</b>



1 / 1.2 mm	<b>44.762.01</b>
1.5 / 1.8 mm	<b>44.762.02</b>



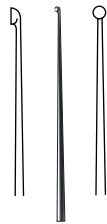
**HOUSE**  
 44.766.35 - 44.766.55  
 15.5 cm

44.766.35  
 3.5 mm

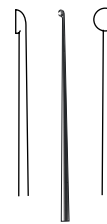
44.766.40  
 4.0 mm

44.766.45  
 4.5 mm

44.766.50  
 5.0 mm



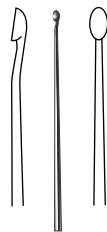
**GUILFORD-WRIGHT**  
 44.767.01  
 1 ø mm



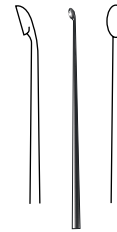
**GUILFORD-WRIGHT**  
 44.767.02  
 1.5 ø mm



**ROSEN**  
 44.767.03  
 2 ø mm



**GUILFORD-WRIGHT**  
 44.767.04  
 1.3 ø mm



**GUILFORD-WRIGHT**  
 44.767.05  
 1.3 ø mm



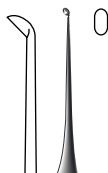
**GUILFORD-WRIGHT**  
 44.768.12 - 44.769.15



44.768.12  
 1.2 ø mm



44.768.15  
 1.5 ø mm



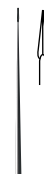
44.769.12  
 1.2 ø mm



44.769.15  
 1.5 ø mm



**LARKIN**  
 44.780.01 - 44.780.03




44.780.01  
 1 ø mm




44.780.02  
 0.8 ø mm




44.780.03  
 0.8 ø mm




**ROSEN**  
44.782.01



**ROSEN**  
44.782.02




44.784.15  
90°  
1.5 mm



44.785.03  
25°


0.3 mm	44.785.03
0.6 mm	44.785.06
1 mm	44.785.10




44.786.03  
45°

0.3 mm	44.786.03
0.6 mm	44.786.06
1 mm	44.786.10


  




**ROSEN**  
44.782.03



**AUSTIN**  
44.784.15 - 44.787.30




44.787.20  
45°  
2 mm




44.787.15  
45°

1.5 mm	44.787.15
2.5 mm	44.787.25




44.787.30  
90°  
3 mm




90°

0.3 mm	44.788.03
0.6 mm	44.788.06
0.8 mm	44.788.08
1 mm	44.788.10
1.2 mm	44.788.12
1.5 mm	44.788.15
2.5 mm	44.788.25




44.789.05  
0.5 mm

1 mm	44.789.10
------	-----------




**ROSEN**  
44.790.00




**ANTOLI - CANDELA**  
44.791.00  
90°  
0.6 mm


  



**ANTOLI - CANDELA**  
44.792.06  
90°  
0.6 mm



44.793.10  
90°  
1 mm



44.794.10  
90°  
1 mm

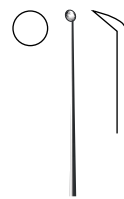


0.2 mm	<b>44.795.02</b>
0.6 mm	<b>44.795.06</b>



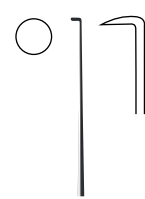
**PLESTER**  
 44.795.02 - 44.795.06

**HOUSE**  
 44.798.10  
 30 °  
 1 mm



45 °

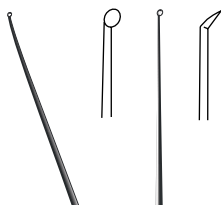
1 mm	<b>44.796.10</b>
1.5 mm	<b>44.796.15</b>
2 mm	<b>44.796.20</b>
2.3 mm	<b>44.796.23</b>
2.5 mm	<b>44.796.25</b>



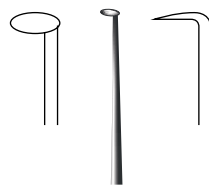
90 °

1 mm	<b>44.797.10</b>
1.5 mm	<b>44.797.15</b>
2 mm	<b>44.797.20</b>
2.3 mm	<b>44.797.23</b>
2.5 mm	<b>44.797.25</b>

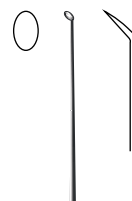
**ANTOLI - CANDELA**



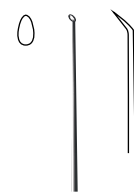
**ANTOLI - CANDELA**  
 44.799.10  
 45 °  
 1 mm



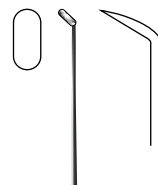
**AUSTIN**  
 44.799.20  
 90 °  
 2 mm



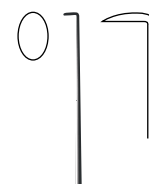
**HARRISON**  
 44.799.40  
 45 °



**SHEA**  
 44.799.45  
 45 °  
 1.5 x 1 mm



**SHEA**  
 44.799.60  
 60 °  
 4 x 2.5 mm

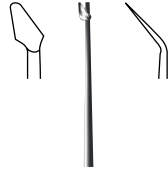


**HARRISON**  
 44.799.90  
 90 °

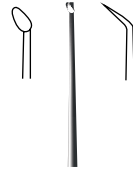




**ROSEN**  
**44.800.01**  
45 °



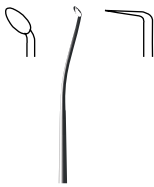
**HOUGH**  
**44.800.02**  
45 °  
2 x 1 - 2 mm



**HOUGH**  
**44.800.03**  
45 °  
2 x 1 mm



**SHEA**  
**44.800.04**  
90 °  
2 x 1.5 mm



**AUSTIN**  
**44.800.05**  
90 °  
1.8 x 1.2 mm



**GUILLFORD - WRIGHT**  
**44.801.01**



**AUSTIN**  
**44.801.02**  
3 x 1 mm



**SHEA**  
**44.801.12**  
*right*  
1.2 mm



**SHEA**  
**44.801.14**  
*left*  
1.2 mm



**SHAMBAUGH - DERLACKI**  
**44.801.15**  
*blunt*  
14 cm



**AUSTIN**  
**44.801.22**  
90 °  
2 mm



**ANTOLI - CANDELA**  
**44.801.25**  
1.8 mm



**ROSEN**  
**44.801.30**  
 15 x 1.5 mm



**ROSEN**  
**44.801.35**  
 15 x 1 mm



**ROSEN**  
**44.801.40**  
 15 x 1.2 mm



**44.802.16**  
 1 mm



**44.803.16**  
 2 mm




**44.805.16**  
 3 mm


**LEMPERT**  
**44.802.16 - 44.805.16**  
 16 cm



**LEMPERT**  
**44.807.20**  
 20.5 cm



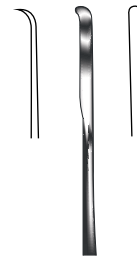
 **44.810.02**  
 2 x 2 mm

 **44.810.03**  
 3 x 3 mm

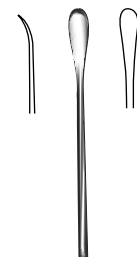
**PASSOW**  
**44.810.02 - 44.810.03**  
 13 cm



**MUCK**  
**44.812.13**  
 13 cm



**SHAMBAUGH - DERLACKI**  
**44.814.01**  
 2 mm

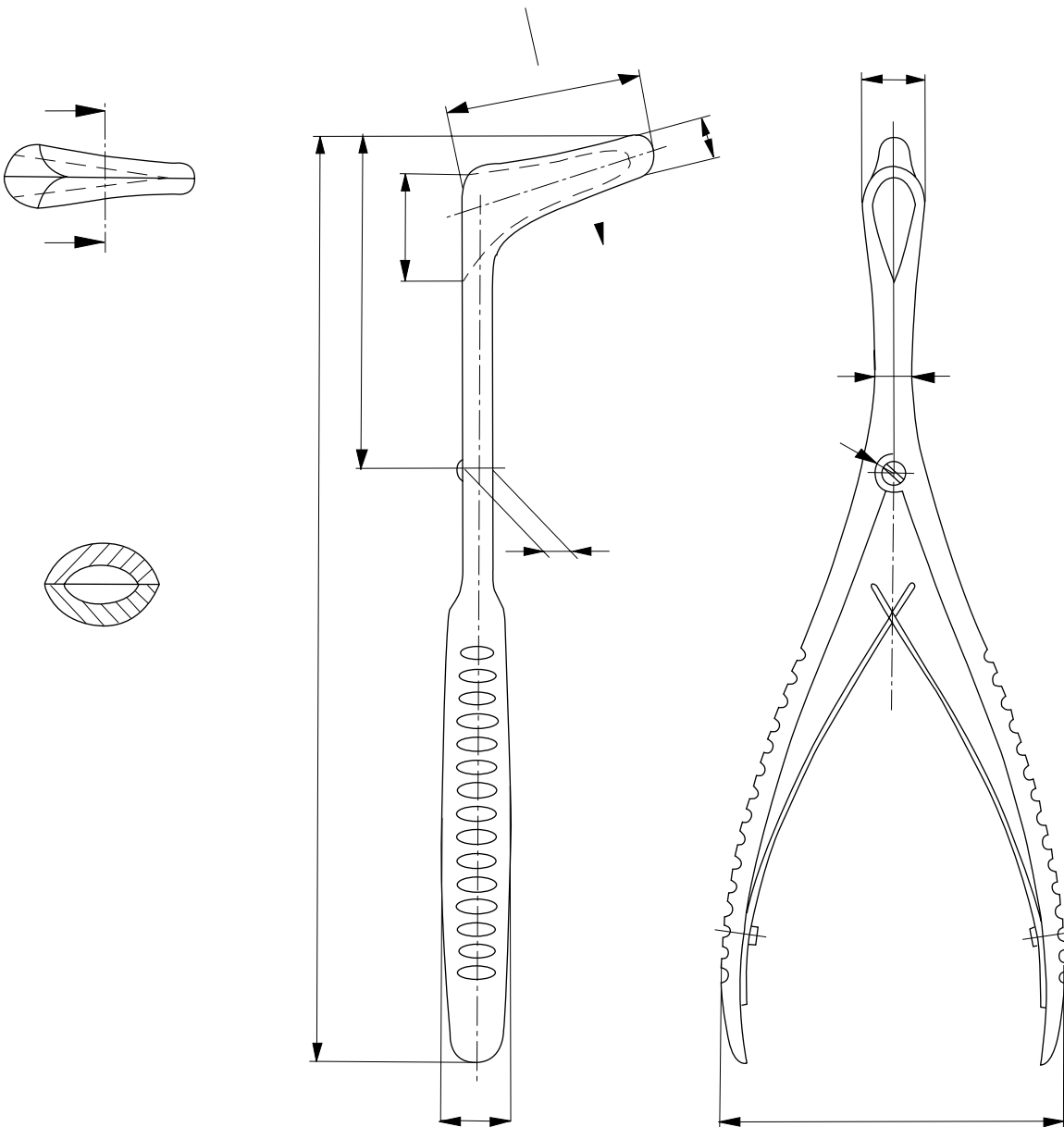


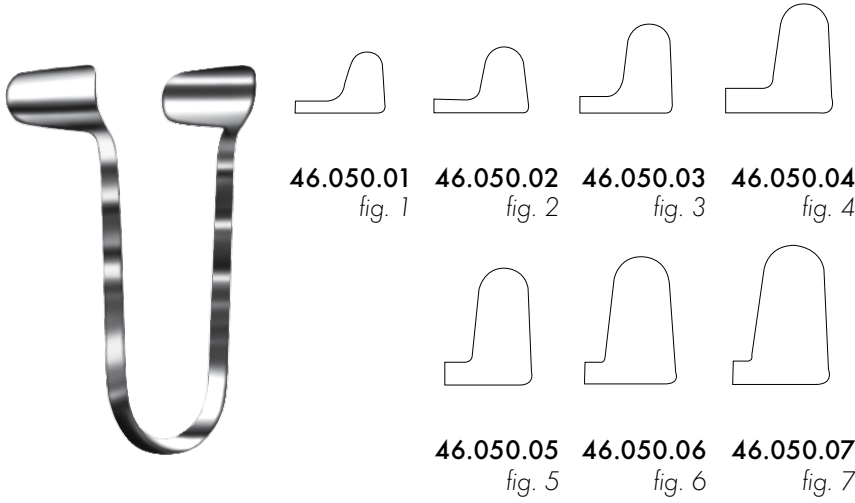
**SHAMBAUGH - DERLACKI**  
**44.814.02**  
 3 mm



# 46

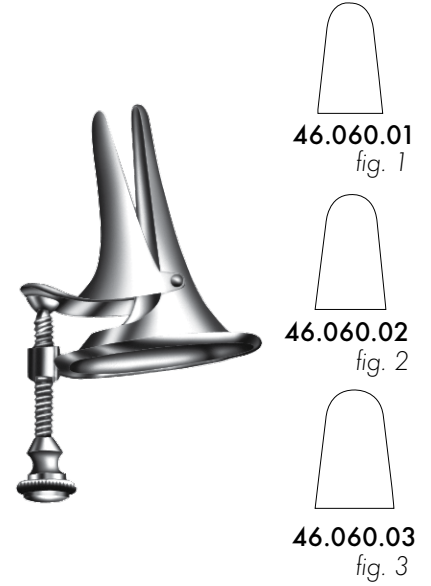
**Rhinology**  
Rhinologie  
Rinología





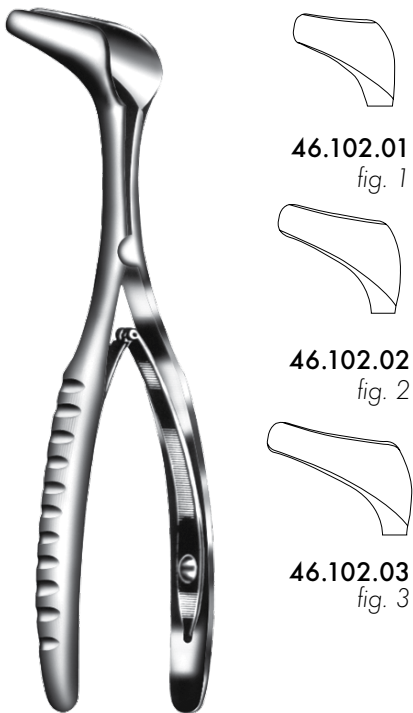
46.050.01 *fig. 1*    46.050.02 *fig. 2*    46.050.03 *fig. 3*    46.050.04 *fig. 4*  
46.050.05 *fig. 5*    46.050.06 *fig. 6*    46.050.07 *fig. 7*

**THUDICHUM**  
46.050.01 - 46.050.07



46.060.01 *fig. 1*  
46.060.02 *fig. 2*  
46.060.03 *fig. 3*

**VOLTOLINI**  
46.060.01 - 46.060.03  
*nasal specula*



46.102.01 *fig. 1*  
46.102.02 *fig. 2*  
46.102.03 *fig. 3*

**HARTMANN HALLE**  
46.102.01 - 46.102.03



**MOD. VIENNA**  
46.112.01 *baby*    46.112.02 *child*    46.112.03 *adult*



**MOD. VIENNA**  
46.113.03  
*lightweight*

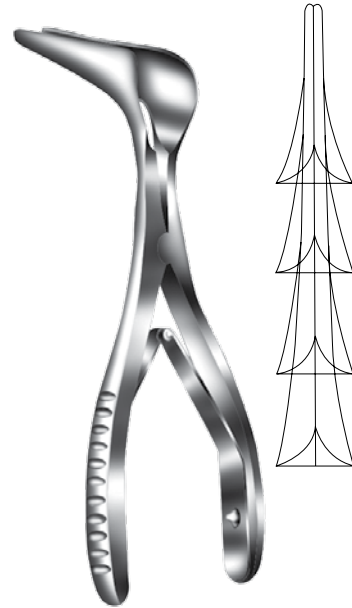


**TIECK HALLE**  
46.116.13  
*nasal specula*  
13.5 cm



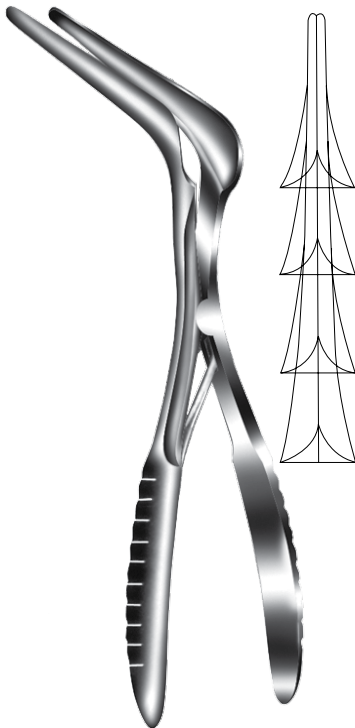
**KILLIAN**  
46.120.35 - 46.120.90

- 46.120.35  
35 mm
- 46.120.50  
50 mm
- 46.120.75  
75 mm
- 46.120.90  
90 mm



**COTTLE**  
46.124.35 - 46.124.90

- 46.124.35  
35 mm
- 46.124.50  
50 mm
- 46.124.75  
75 mm
- 46.124.90  
90 mm

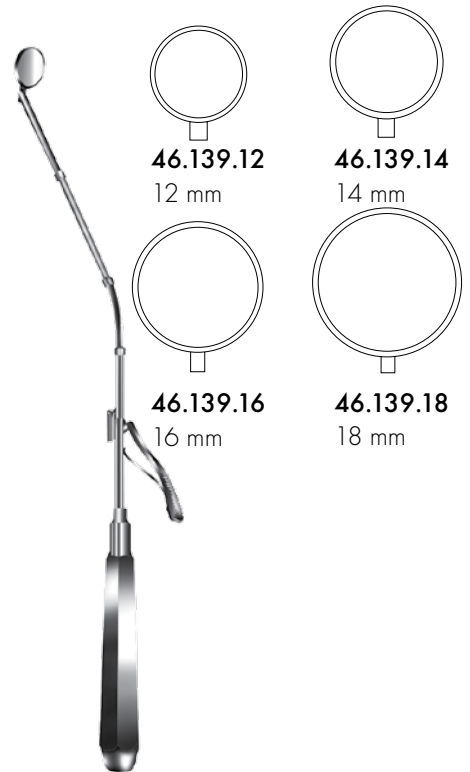


**COTTLE**  
46.126.35 - 46.126.90

- 46.126.35  
35 mm
- 46.126.50  
50 mm
- 46.126.75  
75 mm
- 46.126.90  
90 mm



**YANKAUER**  
46.131.19  
19 cm



**MICHEL**  
46.139.12 - 46.139.18  
25 cm

- 46.139.12  
12 mm
- 46.139.16  
16 mm

- 46.139.14  
14 mm
- 46.139.18  
18 mm



**COTTLE**  
**46.151.10**  
10 cm



**OGURA**  
**46.151.11**  
11 cm



**COTTLE**  
**46.151.14**  
14 cm



**TROELTSCH**  
**46.151.15**  
15 cm



**TROELTSCH**  
**46.151.18**  
18 cm



**JANSEN**  
**46.154.20**  
20 cm



**HARTMANN**  
46.161.16  
16 cm



**HARTMANN**  
46.161.20  
20 cm



**LUBET BARBON**  
46.165.20  
20 cm



**LITTAUER**  
46.167.18  
18 cm



**HEYMANN KNIGHT**  
46.169.18  
18 cm



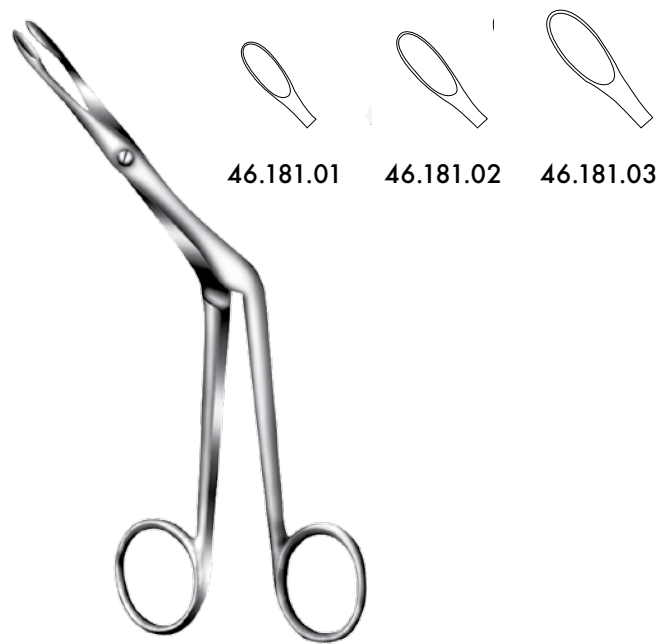
**NOYES**  
46.171.14 - 46.173.14  
14 cm

46.171.14 46.173.14





**TAKAHASHI**  
46.175.02 - 46.175.03  
12 cm



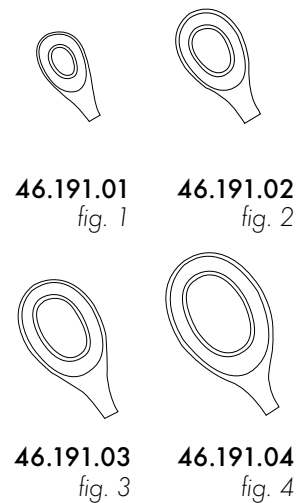
**HEYMANN**  
46.181.01 - 46.181.03  
18 cm

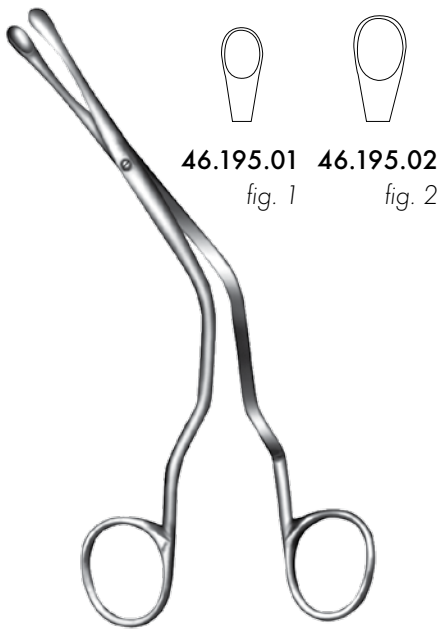


**KNIGHT**  
46.185.18  
18.5 cm



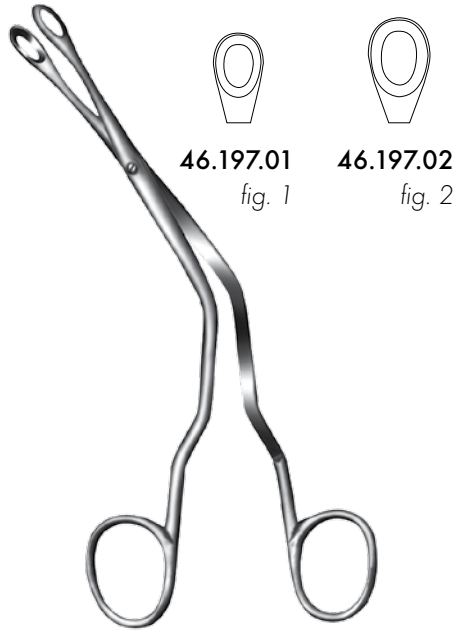
**BRUENINGS**  
46.191.01 - 46.191.04  
19 cm





46.195.01 46.195.02  
fig. 1 fig. 2

**LUC**  
46.195.01 - 46.195.02  
19 cm  
sharp

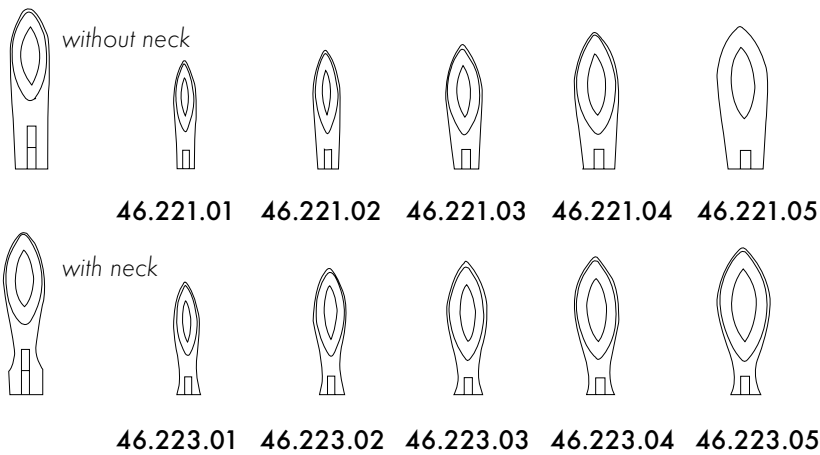


46.197.01 46.197.02  
fig. 1 fig. 2

**LUC**  
46.197.01 - 46.197.02  
19 cm  
sharp



**THORNWALD**  
46.209.23  
23 cm  
tip 3.5 mm



without neck

with neck

46.221.01 46.221.02 46.221.03 46.221.04 46.221.05

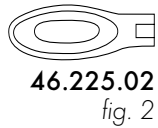
46.223.01 46.223.02 46.223.03 46.223.04 46.223.05



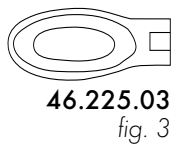
**WEIL BLAKESLEY**  
46.221.01 - 46.223.05  
12 cm



**46.225.01**  
fig. 1



**46.225.02**  
fig. 2



**46.225.03**  
fig. 3



**WEIL BLAKESLEY**  
**46.225.01 - 46.225.03**  
14 cm



**46.227.01**  
fig. 1



**46.227.02**  
fig. 2



**46.227.03**  
fig. 3



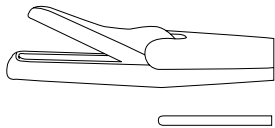
**46.227.04**  
fig. 4



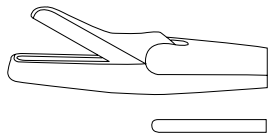
**46.227.05**  
fig. 5



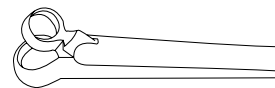
**WEIL BLAKESLEY**  
**46.227.01 - 46.227.05**  
18 cm



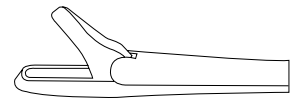
**STRUYCKEN**  
**46.231.01 - 46.231.02**  
12 cm



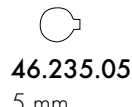
**STRUYCKEN**  
**46.232.01 - 46.232.02**  
18 cm



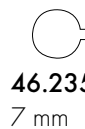
**HARTMANN**  
**46.235.05 - 46.235.11**



**MYLES**  
**46.237.01 - 46.237.03**



**46.235.05**  
5 mm



**46.235.07**  
7 mm



**46.235.09**  
9 mm



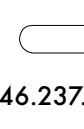
**46.235.11**  
11 mm



**46.237.01**



**46.237.02**



**46.237.03**

**46.231.01 - 46.237.03**  
nasal cutting forceps  
12 cm

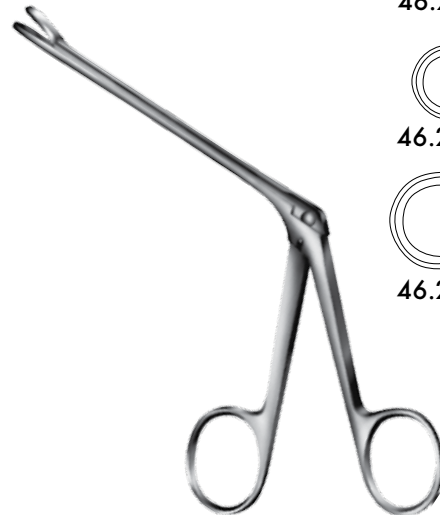
**FERRIS - SMITH**  
**46.236.12**  
12 cm



**SCHEMEDEN**

46.238.22

16.5 cm



46.239.01  
fig. 1



46.239.02  
fig. 2



46.239.03  
fig. 3

**WATSON WILLIAMS**

46.239.01 - 46.239.03

12 cm



**CAPLAN**

46.251.20

20 cm



**RUBIN**

46.251.21

21 cm



**COTTLE**

46.252.00

Cartilage Crusher



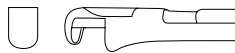
3 mm	<b>46.303.03</b>
4 mm	<b>46.303.04</b>
5 mm	<b>46.303.05</b>
6 mm	<b>46.303.06</b>

**KERRISON**  
**46.303.03 - 46.303.06**  
17 cm  
85 mm



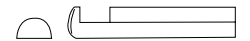
**46.305.01**  
*up wards*

**HAJEK KOFLER**  
**46.305.01**  
13 cm  
tip 3.5 mm

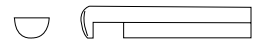


**46.305.02**  
*downwards*

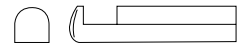
**HAJEK KOFLER**  
**46.305.02**  
13 cm  
tip 3.5 mm



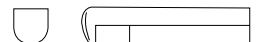
**46.306.03**  
3 x 3 mm



**46.307.03**  
3 x 3 mm



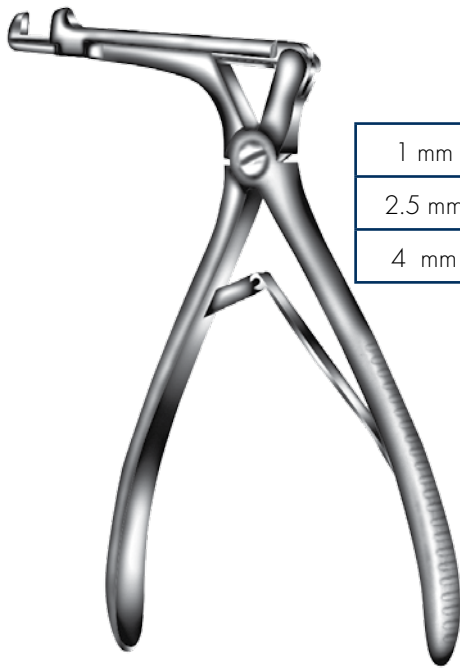
**46.306.05**  
5 x 5 mm



**46.307.05**  
5 x 5 mm



**FERRIS SMITH KERRISON**  
**46.306.03 - 46.307.05**  
18 cm



1 mm	<b>46.311.10</b>
2.5 mm	<b>46.311.25</b>
4 mm	<b>46.311.40</b>



**CITELLI**  
46.311.10 - 46.311.40  
6 cm

**BEYER**  
46.315.20  
9 cm  
tip 2.0 mm



**VAN ALYEA**  
**46.318.01**  
2 Ø mm



**VAN ALYEA**  
**46.318.02**  
2 Ø mm



**VAN ALYEA**  
**46.318.03**  
1.5 Ø mm



**VAN ALYEA**  
**46.318.04**  
1.5 Ø mm



**HAJEK CLAUS**  
**46.320.20**  
20 cm



**MIDDLETON JANSEN**  
**46.323.19**  
19 cm  
*sharp*



**MIDDLETON JANSEN**  
**46.325.19**  
19 cm  
*sharp*



**SEIFFERT**  
**46.336.18**  
18 cm  
tip 0.9 mm



**LICHTWITZ**  
**46.340.15 - 46.340.20**

100 x 1.5 mm	<b>46.340.15</b>
100 x 1.8 mm	<b>46.340.18</b>
100 x 2 mm	<b>46.340.20</b>



**KILLIAN**  
**46.341.03**  
14 cm



**KRAUSE**  
**46.351.26**  
26 cm



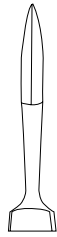
**WILDE**  
**46.352.24**  
24 cm



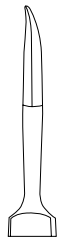
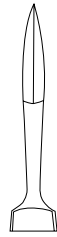
**46.355.03**  
0.3 mm  
banded (12 pieces)



**46.370.16**  
blunt



**46.371.16**  
blunt



**46.372.16**  
sharp



**46.373.16**  
sharp



**JOSEPH**  
**46.370.16 -46.373.16**  
16 cm

**FREER**  
**46.374.15**  
15 cm



**FREER**  
**46.375.19**  
19 cm



**JOSEPH**  
**46.376.16**  
16 cm



**CONVERSE**  
**46.379.16**  
16 cm



**COTTLE**  
**46.380.15**  
15 cm





**COTTLE**  
**46.382.15**  
15 cm



**COTTLE**  
**46.384.15**  
15 cm



**COTTLE**  
**46.385.15**  
15 cm



**FOMON**  
**46.386.16**  
16.5 cm



**MALTZ**  
**46.387.00**  
16 cm



**46.390.03**  
3 mm



**46.390.04**  
4 mm



**46.390.05**  
5 mm



**BALLENGER**  
**46.390.03 - 46.390.05**  
20 cm



**46.392.03**  
3 mm



**46.392.04**  
4 mm



**46.392.05**  
5 mm



**BALLENGER**  
**46.392.03 - 46.392.05**  
20 cm



**BRUENINGS**  
46.398.16  
16.5 cm



**46.410.04**  
4 mm



**46.410.05**  
5 mm



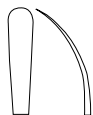
**McKENTY**  
46.410.04 - 46.410.05  
15 cm



**ORTIZ MONASTERIO**  
46.411.11 - 46.412.11  
11 cm



**ROGER**  
46.413.19  
19 cm



**FREER**  
46.415.18  
18 cm



**FREER**  
46.417.19 - 46.419.19  
19 cm



**46.417.19**  
Blunt



**46.419.19**  
Sharp



**COTTLE**  
46.421.23  
23 cm



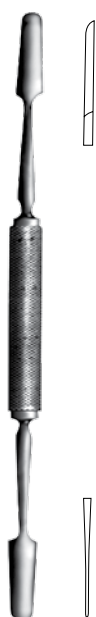
**COTTLE**  
46.423.22  
22 cm



**JOSEPH**  
46.425.16  
16 cm



**COTTLE**  
46.425.19  
19 cm



**KILLIAN**  
46.426.22  
22 cm



**HAJEK BALLENGER**  
46.428.21  
22 cm



**BALLENGER**  
46.430.22  
22 cm



**Mc. KENTY**  
46.432.22  
20.5 cm



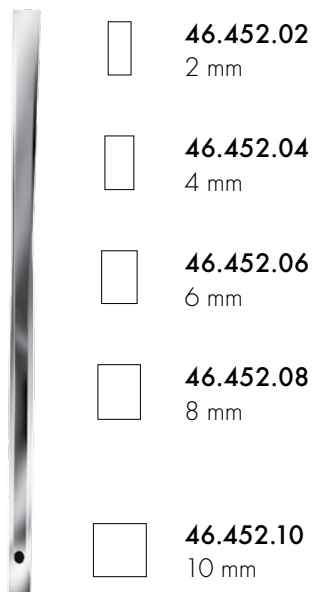
**MASING**  
**46.434.21**  
19.5 cm



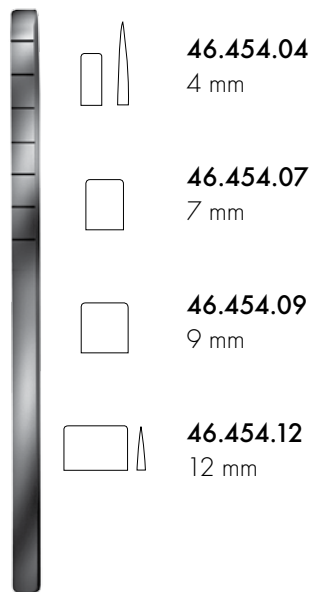
**FREER**  
**46.450.04**  
16 cm



**FREER**  
**46.451.04**  
16 cm



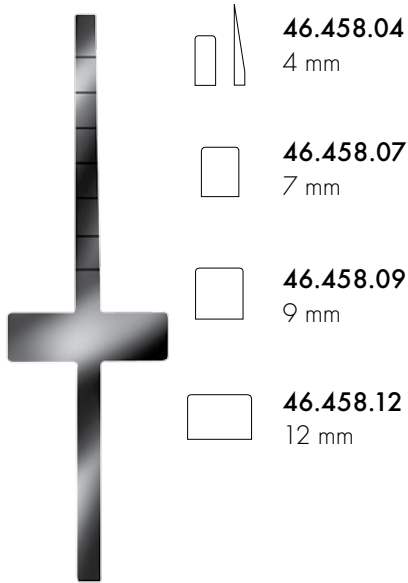
**ORTIZ MONASTERIO**  
**46.452.02 - 46.452.10**  
16 cm



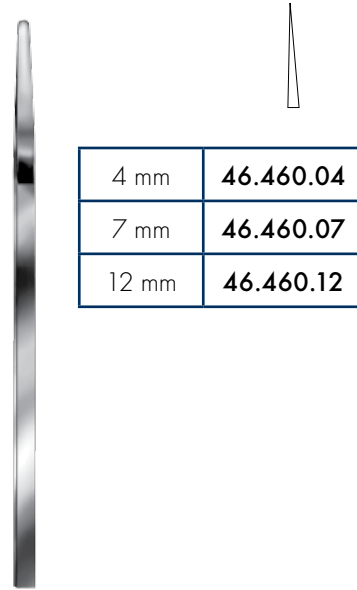
**COTTLE**  
**46.454.04 - 46.454.12**  
18 cm



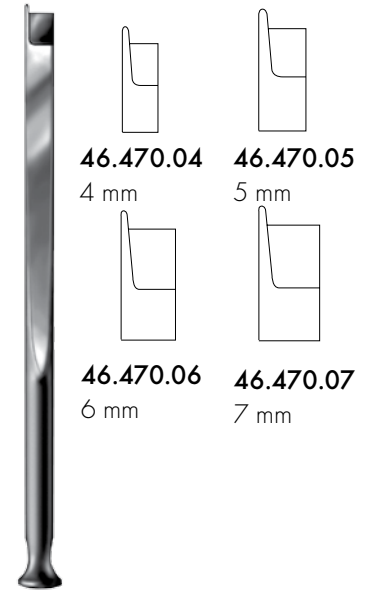
**COTTLE**  
**46.455.06**  
18 cm



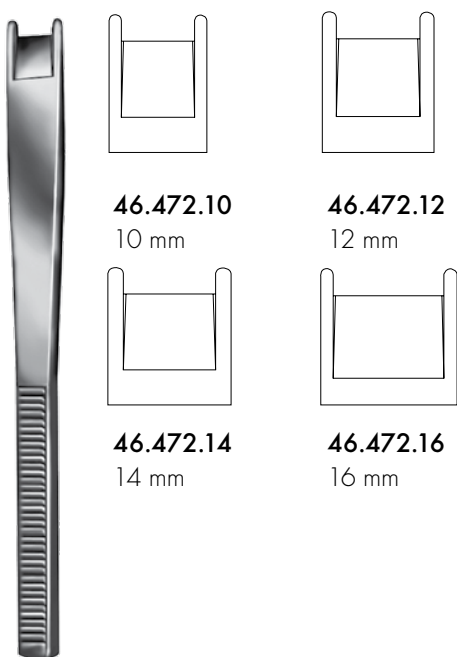
**COTTLE**  
46.458.04 - 46.458.12  
18 cm



**COTTLE**  
46.460.04 - 46.460.12  
18 cm



**FOMON**  
46.470.04 - 46.470.07  
17 cm



**CINELLI**  
46.472.10 - 46.472.16  
16 cm



**SILVER**  
46.473.01  
18 cm



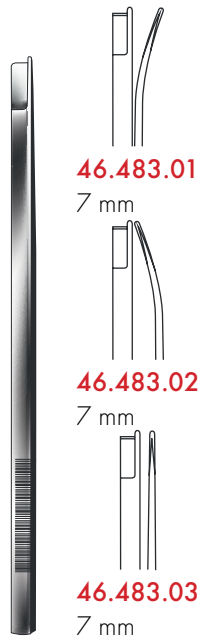
**SILVER**  
46.473.02  
18 cm



**SILVER**  
46.473.03  
18 cm



**KILLIAN CLAUS**  
46.482.05  
17 cm



**NEIVERT - ANDERSON**  
46.483.01 - 46.483.03  
20.5 cm



4 mm	46.484.04
6 mm	46.484.06
8 mm	46.484.08

**HAJEK**  
46.484.04 - 46.484.08  
16 cm



**WEST**  
46.486.16  
16 cm



**WEST**  
46.487.16  
16 cm



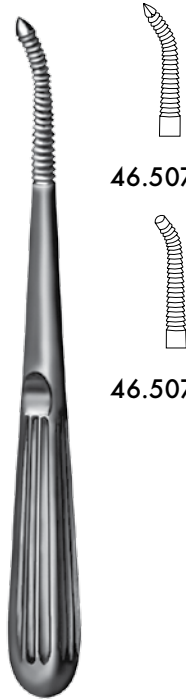
**FREER**  
46.489.16  
16.5 cm



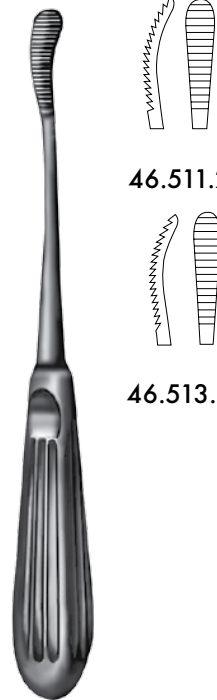
**JOSEPH**  
46.502.16  
16 cm



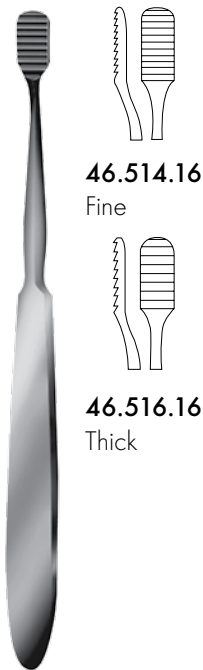
**AUFRICHT**  
46.504.18  
18 cm



**LEWIS**  
46.507.18 - 46.507.19  
18 cm



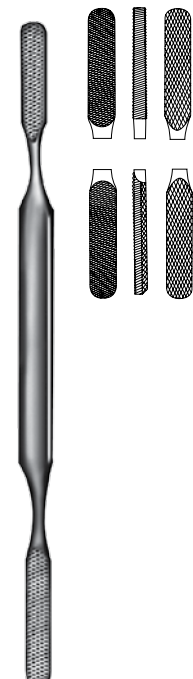
**WEINER**  
46.511.21 - 46.513.21  
21 cm



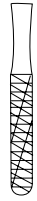
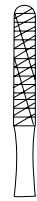
**JOSEPH LEWIS**  
46.514.16 - 46.516.16  
18 cm



**MALTZ**  
46.518.21  
21 cm



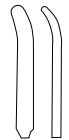
**FOMON**  
46.520.21  
21 cm



46.522.01 TC 46.522.03 TC 46.522.05 TC 46.522.07 TC 46.522.09 TC



46.526.16



46.527.16



46.529.16

**FOMON**

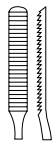
46.522.01 TC - 46.522.09 TC

20 cm

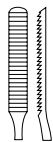
**GALLAHER**

46.526.16 - 46.529.16

16 cm



46.527.01



46.527.02



46.532.19  
left



46.534.19  
right



**JOSEPH**  
46.535.01  
17 cm  
left



**JOSEPH**  
46.535.02  
17 cm  
right

**MALTZ**  
46.527.01 - 46.527.02  
17 cm

**JOSEPH**  
46.532.19 - 46.534.19  
19 cm





**AUFRICT**  
46.551.16  
16 cm



**AUFRICT**  
46.553.13  
13 cm



**NEIVERT**  
46.553.16  
16 cm



**COTTLE**  
46.554.15  
15 cm



**COTTLE**  
46.555.14  
14 cm



**COTTLE**  
46.555.15  
15 cm



**COTTLE**  
46.556.14  
14 cm



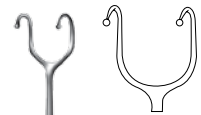
**46.556.14**  
*sharp*



**46.556.12**  
*ball right*



**46.556.11**  
*ball left*



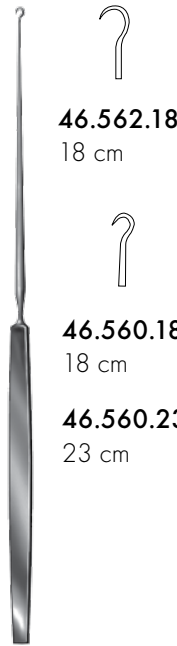
**FOMON**  
46.556.16  
16 cm



**FOMON**  
46.557.17  
17 cm



**COTTLE NEIVERT**  
46.559.20  
20 cm



**GILLIES**  
46.560.18 - 46.562.18

46.562.18  
18 cm

46.560.18  
18 cm

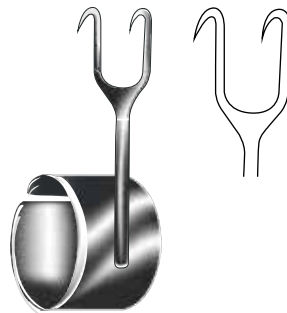
46.560.23  
23 cm



**KILNER**  
46.564.10  
8 cm



**CONVERSE**  
46.566.12  
11.5 cm



**MILLARD (COTTLE)**  
46.568.00  
11.5 cm

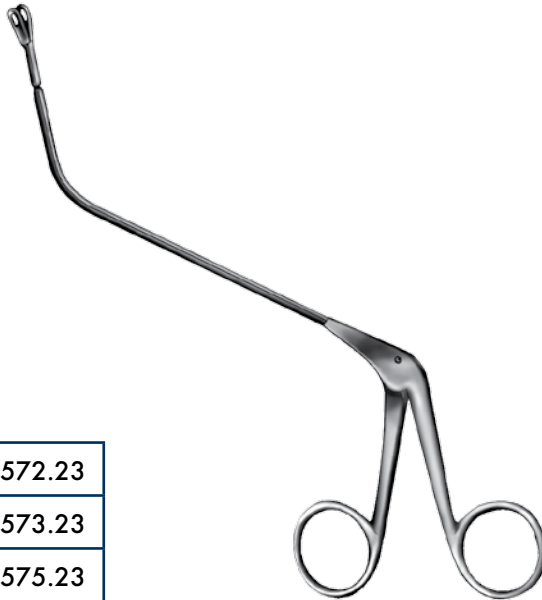


**ASCH**  
46.571.23  
23 cm



universal	46.572.23
left	46.573.23
right	46.575.23

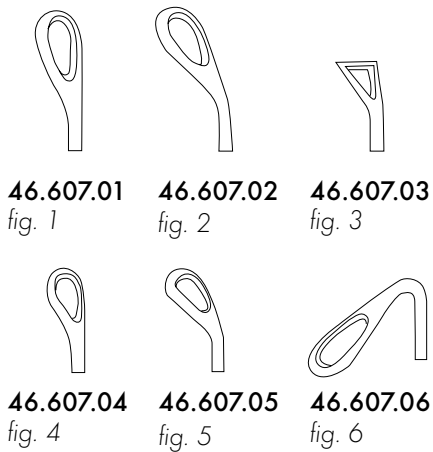
**WALSHAM**  
46.572.23 - 46.575.23  
23 cm



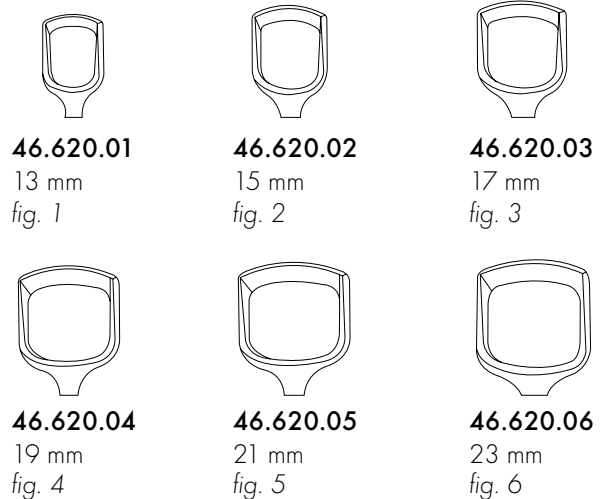
**JATHO**  
46.595.15  
15 cm



**FAULKNER**  
46.601.21  
21 cm



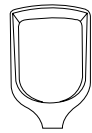
**COAKLEY**  
46.607.01 - 46.607.06  
17 cm



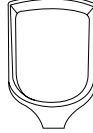
**BECKMANN**  
46.620.01 - 46.620.06  
22 cm



**46.630.01**  
fig. 1



**46.630.02**  
fig. 2



**46.630.03**  
fig. 3



**46.630.04**  
fig. 4



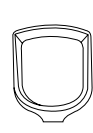
**BARNHILL**

46.630.01 - 46.630.04

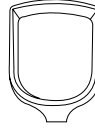
22 cm



**46.636.01**  
fig. 1



**46.636.02**  
fig. 2



**46.636.03**  
fig. 3



**46.636.04**  
fig. 4



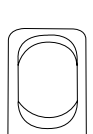
**ST CLAIR THOMSON**

46.636.01 - 46.636.04

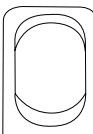
23 cm



**46.641.00**  
fig. 0



**46.641.01**  
fig. 1



**46.641.02**  
fig. 2



**46.641.03**  
fig. 3



**LAFORCE**

**46.642.00**

10 mm

fig. 0



**LAFORCE**

**46.642.01**

12 mm

fig. 1



**LAFORCE**

**46.642.02**

16 mm

fig. 2



**LAFORCE**

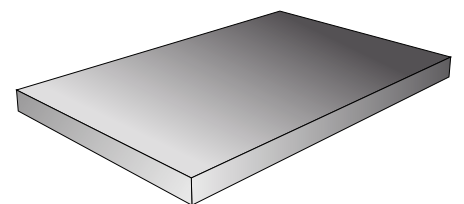
**46.642.03**

18 mm

fig. 3

**LAFORCE**

46.641.00 - 46.641.03



**DEWIMED**

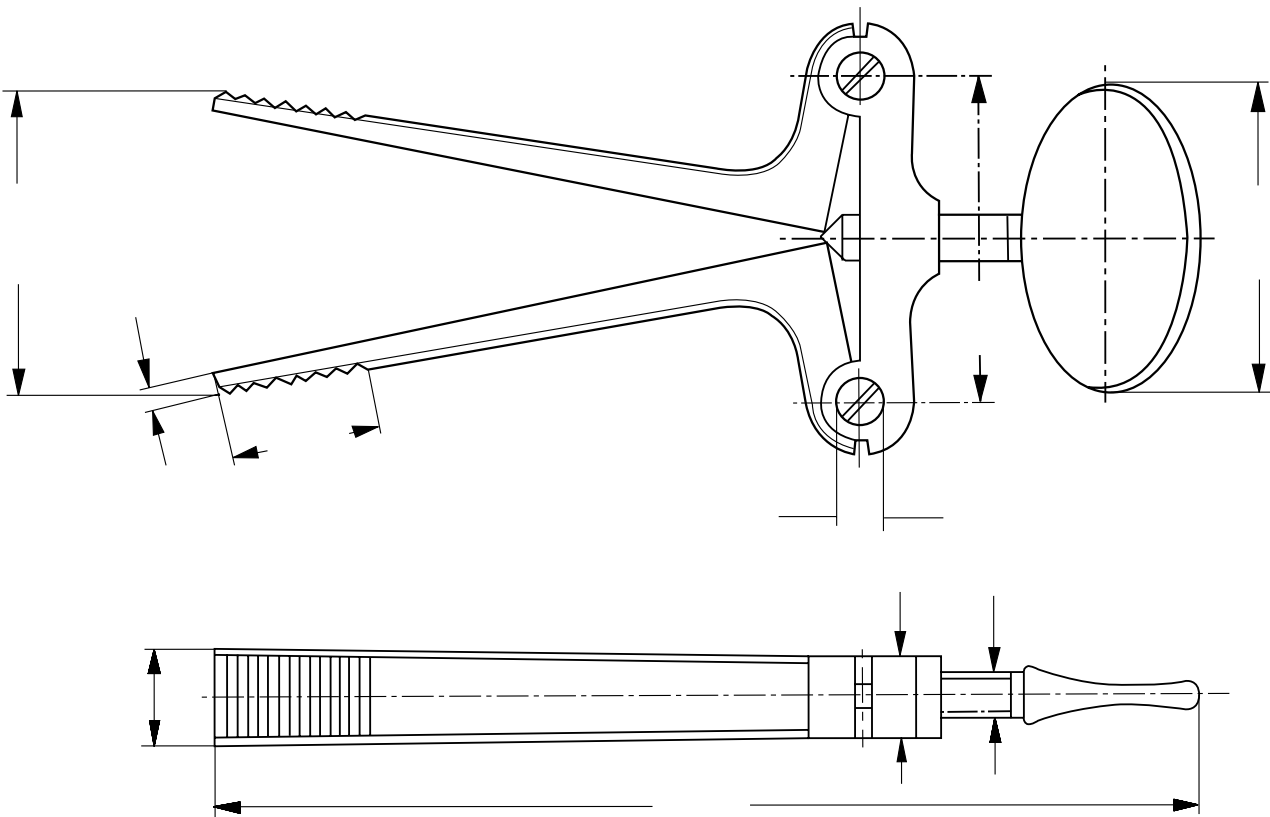
**46.643.10**

100 x 150 x 10 mm



# 48

## Mouth and Tongue Mund und Zunge Boca y Lengua





**48.102.16**  
16 cm



**FRENZEL**  
**48.105.16**  
16.5 cm



**BRUENINGS**  
**48.107.19**  
19 cm



**BUCHWALD**  
**48.109.19**  
19 cm



**48.115.01** **48.115.02**  
14 cm 15 cm



**HARTMANN**  
**48.111.15**  
15 cm



**WIEDER**  
**48.115.01 - 48.115.02**



**ANDREW**  
**48.117.11**  
11 cm



**TOBOLD**  
**48.119.14**  
14.5 cm



14 cm	<b>48.227.14</b>
16 cm	<b>48.227.16</b>
18 cm	<b>48.227.18</b>

**STERNBERG**  
48.227.14 - 48.227.18



12 cm	<b>48.229.12</b>
14 cm	<b>48.229.14</b>
16 cm	<b>48.229.16</b>

**STERNBERG**  
48.229.12 - 48.229.16



**48.230.11**  
11 cm



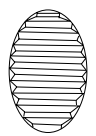
**48.235.19**  
19 cm



**COLLIN**  
**48.250.16 48.250.18**  
16 cm 18 cm



**YOUNG**  
**48.255.16**  
16 cm

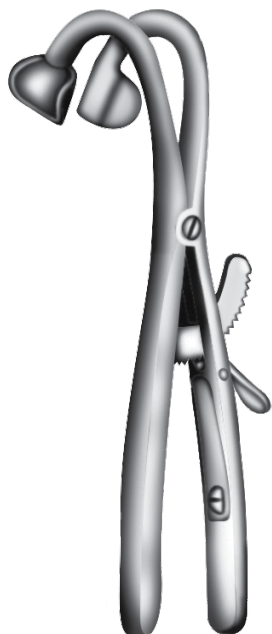


**48.255.99**  
spare (pair)

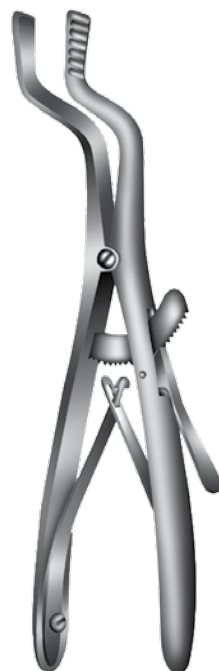




**DOYEN JANSEN**  
48.265.12    48.265.14  
12 cm        14 cm



**DENHART**  
48.267.12  
12 cm



**ROSER KOENIG**  
48.270.16    48.270.19  
16 cm        19 cm



**HEISTER**  
48.272.13  
13 cm

9 cm	48.274.09
11 cm	48.274.11
13 cm	48.274.13
15 cm	48.274.15

11 cm	48.280.11
13 cm	48.280.13
15 cm	48.280.15



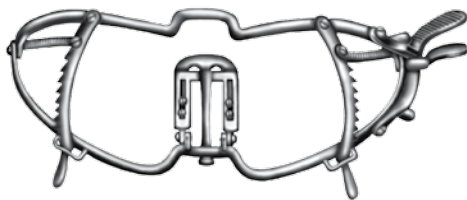
**JENNINGS**  
48.274.09 - 48.274.15



**WHITEHEAD**  
48.280.11 - 48.280.15

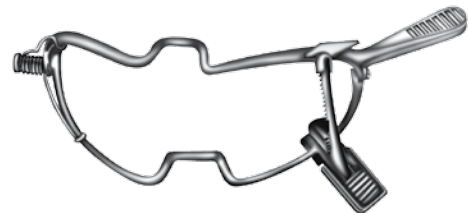


11 cm	<b>48.281.11</b>
13 cm	<b>48.281.13</b>
15 cm	<b>48.281.15</b>



**WHITEHEAD**  
 48.281.11 - 48.281.15

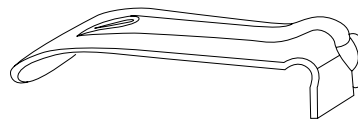
9 cm	<b>48.285.09</b>
11 cm	<b>48.285.11</b>
13 cm	<b>48.285.13</b>
15 cm	<b>48.285.15</b>



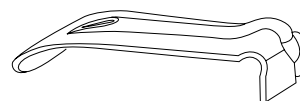
**SEEMANN SEIFFERT**  
 48.285.09 - 48.285.15



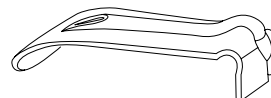
**DAVIS BOYLE**  
 48.310.00  
 complete



**48.310.01**  
 27 x 105 mm  
 fig. 1



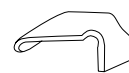
**48.310.02**  
 25 x 90 mm  
 fig. 2



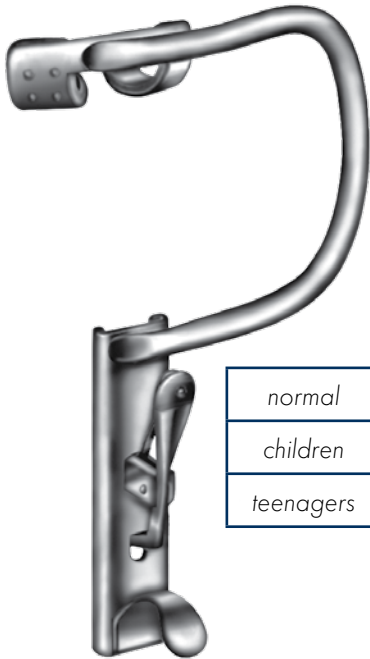
**48.310.03**  
 24 x 75 mm  
 fig. 3



**48.310.04**  
 20 x 60 mm  
 fig. 4

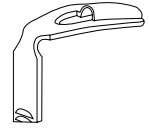


**48.310.05**  
 20 x 25 mm  
 fig. 5

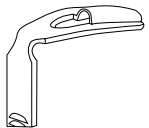


<i>normal</i>	<b>48.310.10</b>
<i>children</i>	<b>48.310.11</b>
<i>teenagers</i>	<b>48.310.12</b>

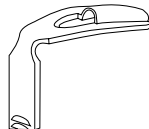
**DAVIS BOYLE**  
48.310.10 - 48.310.12



**48.315.01**  
28 x 65 mm  
fig. 1



**48.315.02**  
32 x 75 mm  
fig. 2

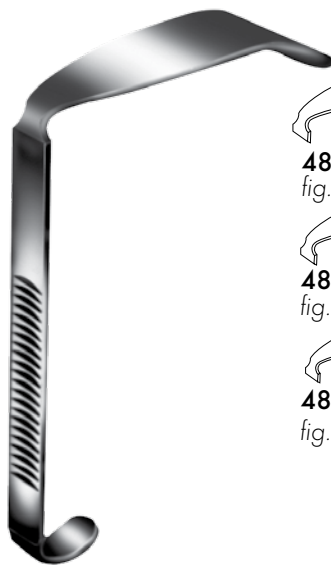


**48.315.03**  
37 x 80 mm  
fig. 3

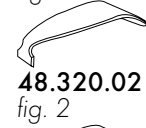
**KILNER DOUGHTY**  
48.315.00



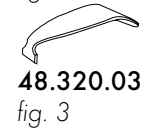
**KILNER DOUGHTY**  
48.315.10



**48.320.01**  
fig. 1



**48.320.02**  
fig. 2

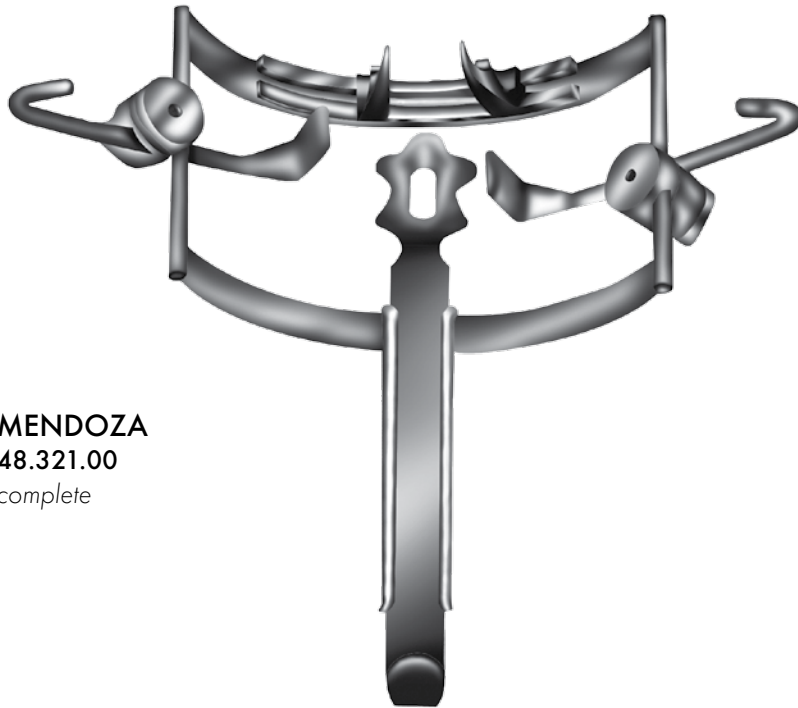


**48.320.03**  
fig. 3

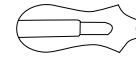
**McIVOR**  
48.320.00



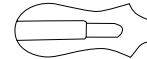
**McIVOR**  
48.320.10



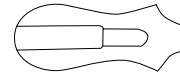
**MENDOZA**  
**48.321.00**  
 complete



**48.321.24**  
 24 x 55 mm  
 fig. 1



**48.321.28**  
 28 x 60 mm  
 fig. 2

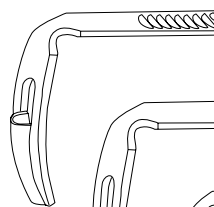


**48.321.31**  
 31 x 70 mm  
 fig. 3

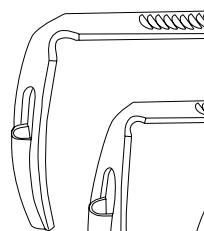
**MENDOZA**  
**48.321.01**



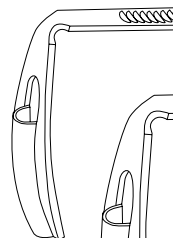
**RUSSEL DAVIS**  
 48.322.01 - 48.322.05



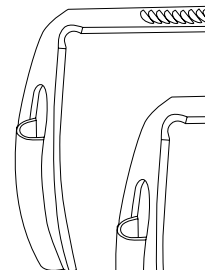
**48.322.01**  
 28 x 75 mm



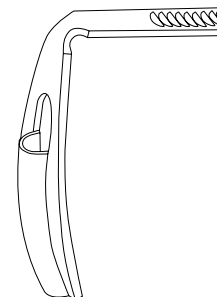
**48.322.02**  
 32 x 75 mm



**48.322.03**  
 37 x 80 mm



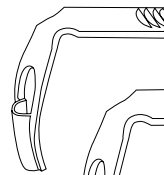
**48.322.04**  
 40 x 90 mm



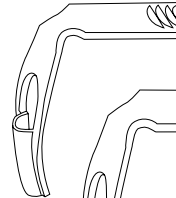
**48.322.05**  
 45 x 100 mm



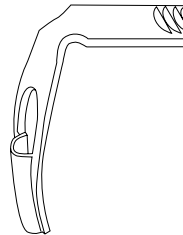
**RUSSEL DAVIS**  
48.324.01 - 48.324.03



**48.324.01**  
18 x 55 mm



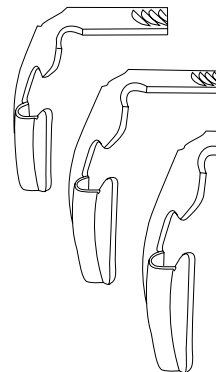
**48.324.02**  
22 x 65 mm



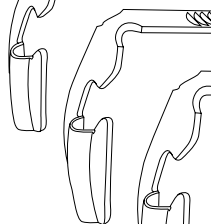
**48.324.03**  
25 x 75 mm



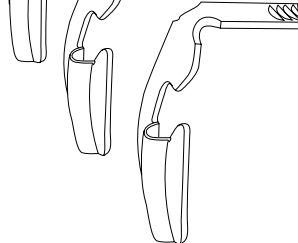
**GAST**  
48.326.01 - 48.326.03



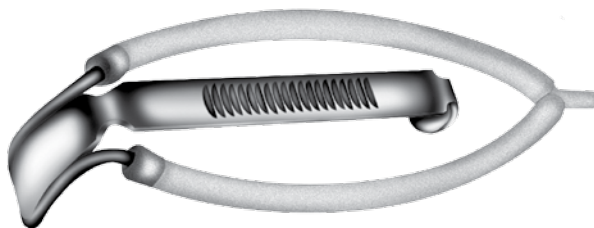
**48.326.01**  
28 x 64 mm



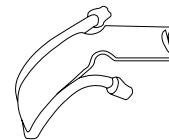
**48.326.02**  
34 x 74 mm



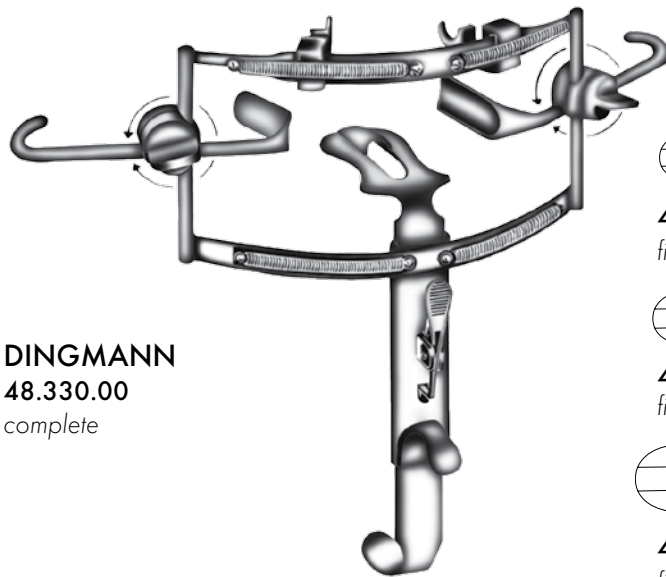
**48.326.03**  
38 x 87 mm



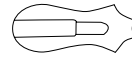
**DAVIS MEAER**  
48.328.01 - 48.328.07



29 x 70 mm	<b>48.328.01</b>	fig. 1
30.5 x 75 mm	<b>48.328.02</b>	fig. 2
31.5 x 80 mm	<b>48.328.03</b>	fig. 3
32.5 x 85 mm	<b>48.328.04</b>	fig. 4
33.5 x 95 mm	<b>48.328.05</b>	fig. 5
33.8 x 100 mm	<b>48.328.06</b>	fig. 6
34 x 105 mm	<b>48.328.07</b>	fig. 7



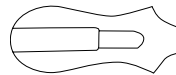
**DINGMANN**  
48.330.00  
complete



**48.330.01**  
fig. 1



**48.330.02**  
fig. 2



**48.330.03**  
fig. 3



**MAUNDER**  
48.360.10

**DINGMANN**  
48.330.09



**48.371.03**  
22.0 mm  
fig. 3



**48.371.02**  
24.5 mm  
fig. 2



**48.371.01**  
26.5 mm  
fig. 1

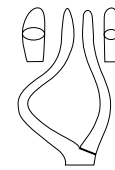


**PITHA**  
48.365.10



**McKESSON**  
48.365.20 - 48.365.28

**LANGENBECK**  
48.371.01 - 48.371.03



22.5 cm

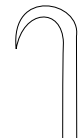
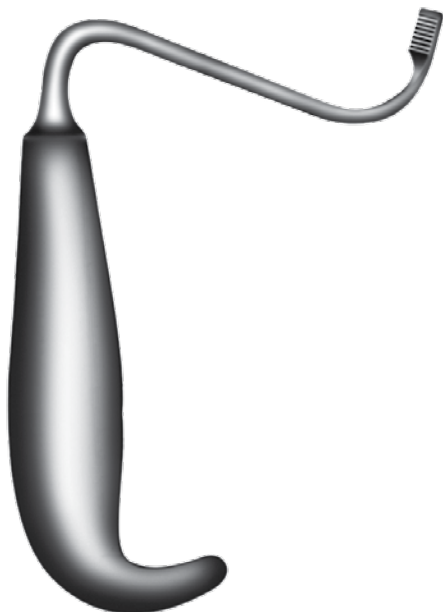
23.5 cm

24 cm

<i>left</i>	<b>48.501.22</b>	<b>48.501.23</b>	<b>48.501.24</b>
<i>right</i>	<b>48.503.22</b>	<b>48.503.23</b>	<b>48.503.24</b>

**ROWE**  
48.501.22 - 48.501.24  
*left*

**ROWE**  
48.503.22 - 48.503.24  
*right*



**48.541.10**  
10 mm

**48.541.20**  
20 mm

**TESSIER**  
48.507.01 48.507.02  
*left right*

**48.530.01**  
15 cm

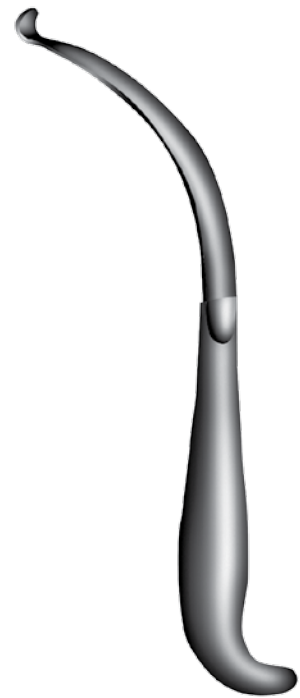
**DINGMANN**  
48.541.10  
19 cm



**DINGMANN**  
48.543.01 48.543.02  
15 cm 15 cm  
right left



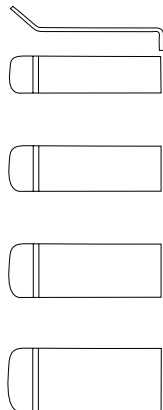
**DINGMANN**  
48.545.20  
21 cm



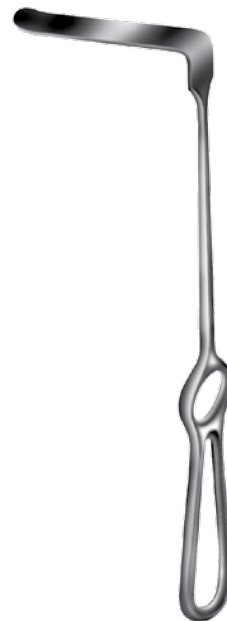
48.581.24  
24 cm



**MUNRO**  
48.591.20 - 48.591.35



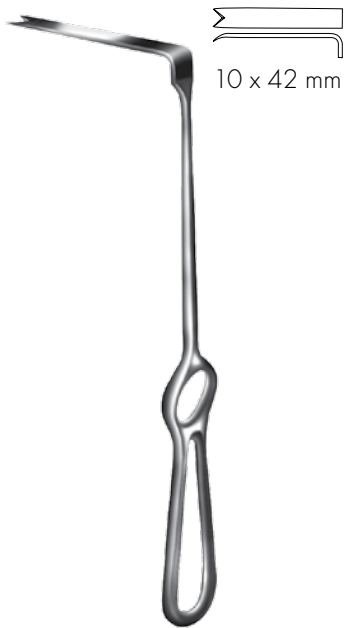
48.591.20  
20 mm  
48.591.25  
25 mm  
48.591.30  
30 mm  
48.591.35  
35 mm



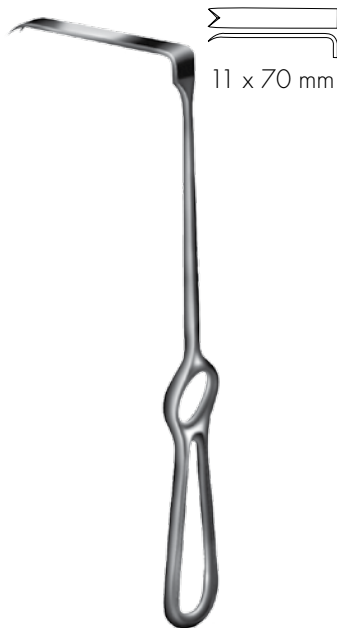
**OBWEGESER**  
48.593.40 - 48.593.80  
22 cm

11 x 40 mm	48.593.40
11 x 55 mm	48.593.55
16 x 80 mm	48.593.80





**OBWEGESER**  
**48.595.22**  
22 cm



**OBWEGESER**  
**48.597.22**  
22 cm



**OBWEGESER**  
**48.601.16**  
15.5 cm



**48.602.11**  
11 x 15 x 70 mm

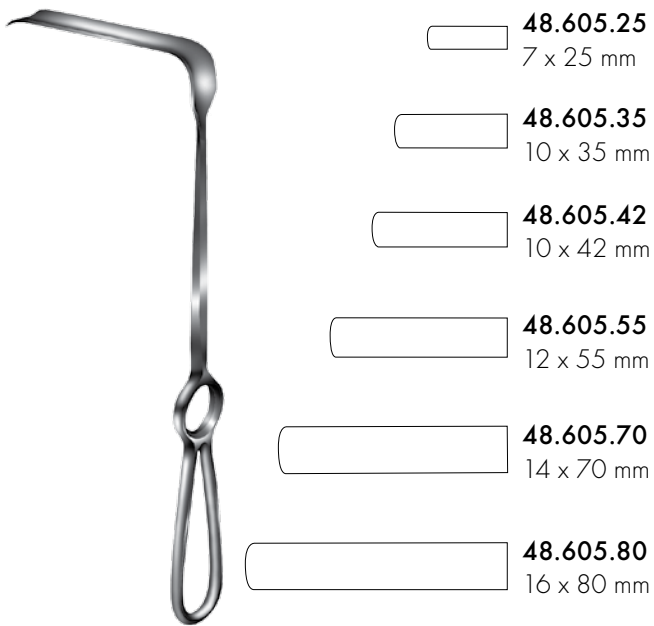


**48.602.12**  
12 x 22 x 70 mm

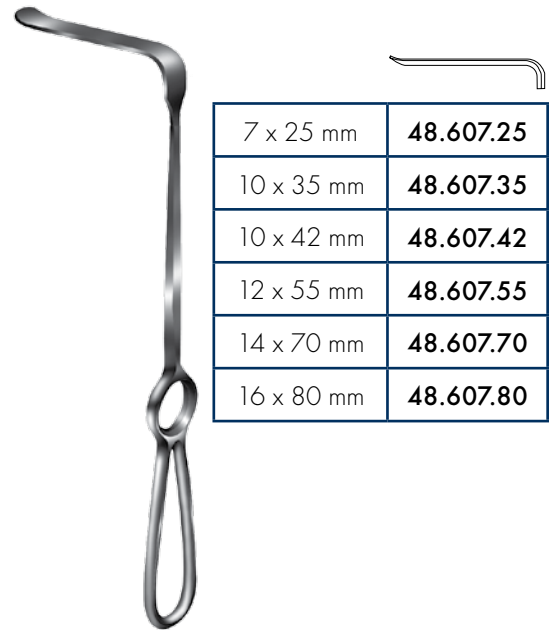
**OBWEGESER**  
**48.602.11 - 48.602.12**  
22 cm



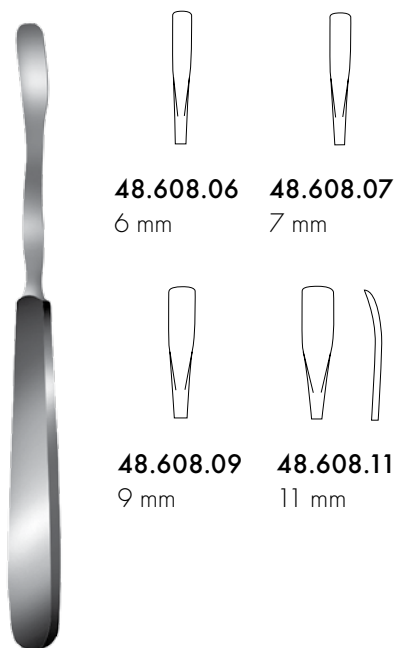
**OBWEGESER**  
**48.603.08**    **48.603.10**  
17 cm, 8 mm    17 cm, 10 mm



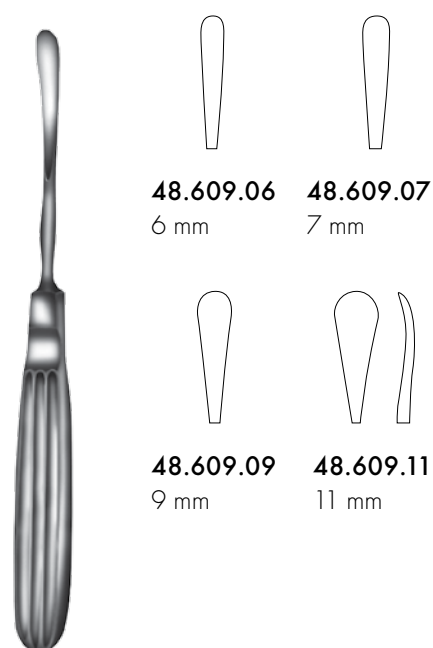
**OBWEGESER**  
**48.605.25 - 48.605.80**  
 22 cm



**OBWEGESER**  
**48.607.25 - 48.607.80**  
 20 cm



**OBWEGESER**  
**48.608.06 - 48.608.11**  
 18 cm

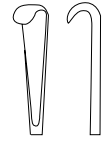


**OBWEGESER**  
**48.609.06 - 48.609.11**  
 18 cm



6 mm	<b>48.610.06</b>
7 mm	<b>48.610.07</b>
9 mm	<b>48.610.09</b>
11 mm	<b>48.610.11</b>

**OBWEGESER**  
48.610.06 - 48.610.11  
17.5 cm



**48.611.05**   **48.611.07**   **48.611.09**  
5 mm                      7 mm                      9 mm

**OBWEGESER**  
48.611.05 - 48.611.09  
20 cm



**OBWEGESER**  
48.612.01  
17.5 cm



**OBWEGESER**  
48.612.02  
17.5 cm

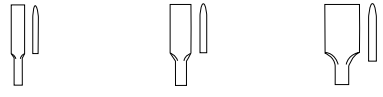


**48.614.21**   **48.616.21**

**OBWEGESER**  
48.614.21 - 48.616.21  
21 cm

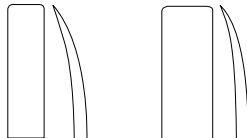


**OBWEGESER FREER**  
48.619.20      48.619.21  
*sharp*      *blunt*  
21 cm      21 cm

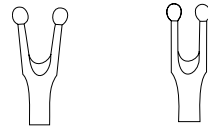
48.620.02      48.620.04      48.620.06  
2.5 mm      4.0 mm      6.5 mm

**OBWEGESER**  
48.620.02 - 48.620.06  
15 cm

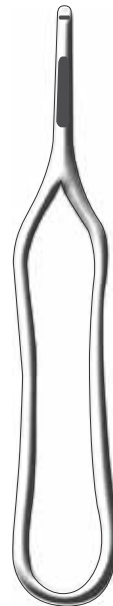
48.626.08      48.626.11  
8 mm      13 mm

**OBWEGESER**  
48.626.08 - 48.626.11  
23.5 cm

48.630.19      48.632.19

**OBWEGESER**  
48.630.19 - 48.632.19  
18.5 cm



**KELSEY FRY**  
48.636.15  
15 cm



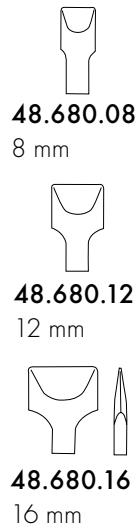
**KELSEY FRY**  
**48.637.18**  
18 cm



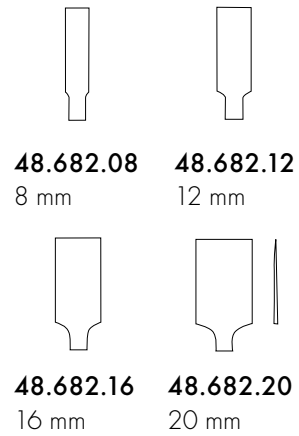
**OBWEGESER**  
**48.647.13**  
13 cm



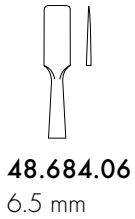
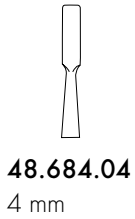
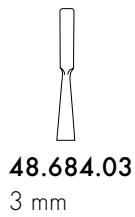
**OBWEGESER**  
**48.650.15**  
15.5 cm



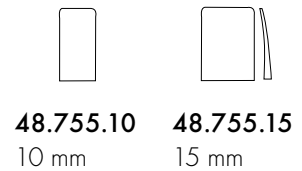
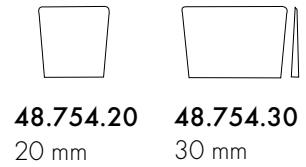
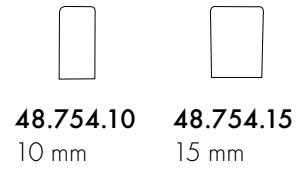
**OBWEGESER**  
**48.680.08 - 48.680.16**  
22 cm



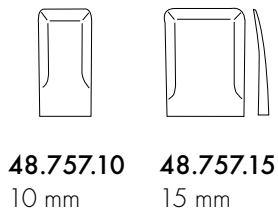
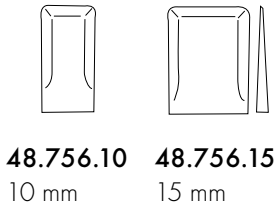
**OBWEGESER**  
**48.682.08 - 48.682.20**  
22 cm



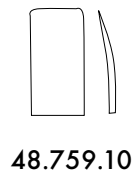
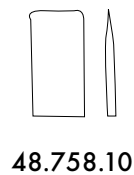
**OBWEGESER**  
48.684.03 - 48.684.06  
15.5 cm



**TESSIER**  
48.754.10 - 48.755.15  
20 cm



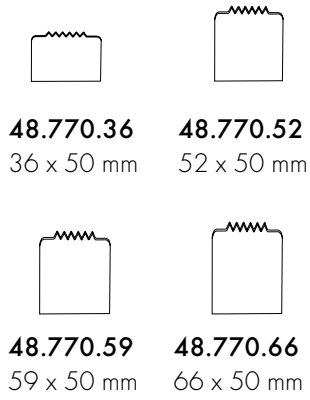
**TESSIER**  
48.756.10 - 48.757.15  
16 cm



**TESSIER**  
48.758.10 - 48.759.10  
16 cm, 10 mm



**TESSIER**  
48.760.18  
18.5 cm



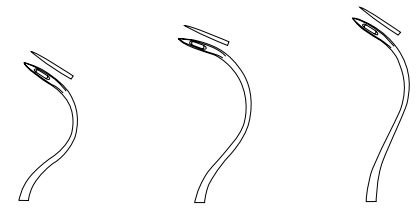
**48.770.36**  
36 x 50 mm

**48.770.52**  
52 x 50 mm

**48.770.59**  
59 x 50 mm

**48.770.66**  
66 x 50 mm

**TESSIER**  
**48.770.00**  
set of 4



**48.773.01**

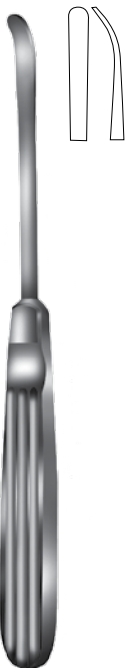
**48.773.02**

**48.773.03**

**TESSIER**  
**48.773.00**  
set of 3

**TESSIER**  
**48.770.36 - 48.770.66**

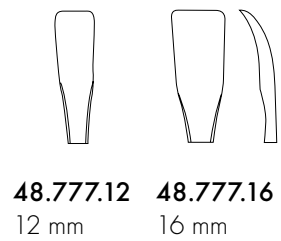
**TESSIER**  
**48.773.01 - 48.773.03**  
21 cm



**TESSIER**  
**48.775.30**  
18 cm / 30°



**TESSIER**  
**48.775.60**  
18 cm / 60°



**48.777.12**  
12 mm

**48.777.16**  
16 mm

**TESSIER**  
**48.777.12 - 48.777.16**  
20 cm



**TESSIER**  
**48.781.00**  
*set of 3*



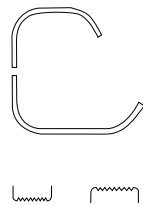
**TESSIER**  
**48.781.15**  
22 cm, 15 x 17 mm



**TESSIER**  
**48.781.20**  
22 cm, 20 x 22 mm



**TESSIER**  
**48.783.01**  
15 cm



20 x 7 mm / 30 x 10 mm

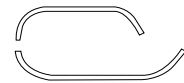


**TESSIER**  
**48.785.01 - 48.785.03**  
15.5 cm

**TESSIER**  
**48.785.00**  
*set of 3*



**48.785.01**  
20 x 12 mm / 30 x 16 mm



**48.785.02**  
30 x 12 mm / 35 x 16 mm

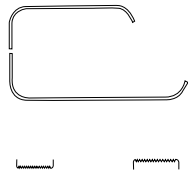


**48.785.03**  
35 x 12 mm / 45 x 16 mm





**TESSIER**  
**48.787.50**  
15.5 cm



50 x 12 mm / 70 x 16 mm



**TESSIER**  
**48.789.30 - 48.789.50**  
17 cm

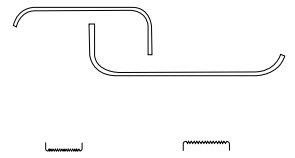
**TESSIER**  
**48.789.00**  
set of 3



**48.789.30**  
30 x 12 mm / 35 x 16 mm



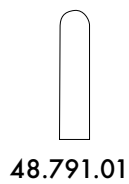
**48.789.35**  
35 x 12 mm / 45 x 16 mm



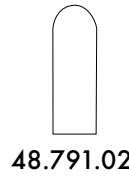
**48.789.50**  
50 x 12 mm / 70 x 16 mm



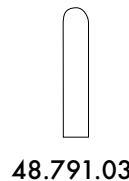
**TESSIER**  
**48.791.01 - 48.791.03**  
12.5 cm



**48.791.01**



**48.791.02**

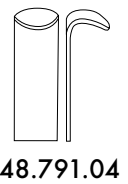


**48.791.03**

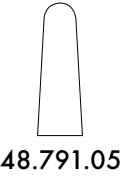
**TESSIER**  
**48.791.00**  
set of 6



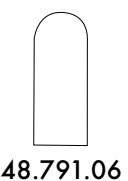
**TESSIER**  
**48.791.04 - 48.791.06**  
12.5 cm



**48.791.04**



**48.791.05**



**48.791.06**



48.795.10  
10 mm

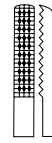


**TESSIER**  
48.795.00  
set of 3

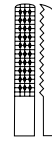
48.795.17  
17.5 mm



48.795.20  
20 mm

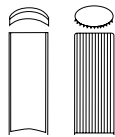
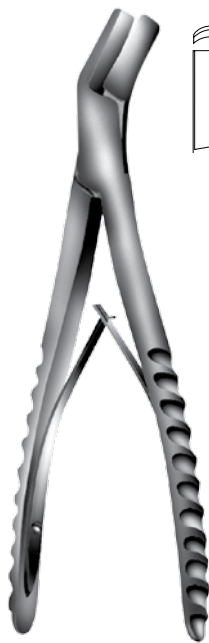


**TESSIER**  
48.796.18  
15.5 cm

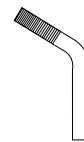


**TESSIER**  
48.797.18  
19 cm

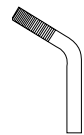
**TESSIER**  
48.795.10 - 48.795.20  
15 cm



**TESSIER**  
48.799.22  
22 mm



**TESSIER**  
48.802.18  
18 cm



**MARCHAC**  
48.804.17  
17 cm



**TESSIER**  
48.805.18  
18.5 cm



**HARGIS**  
48.823.18  
18 cm



**HARGIS**  
48.825.19  
19 cm



**SMITH**  
48.835.01  
*left*



**SMITH**  
48.835.02  
*right*



**SMITH**  
48.838.20



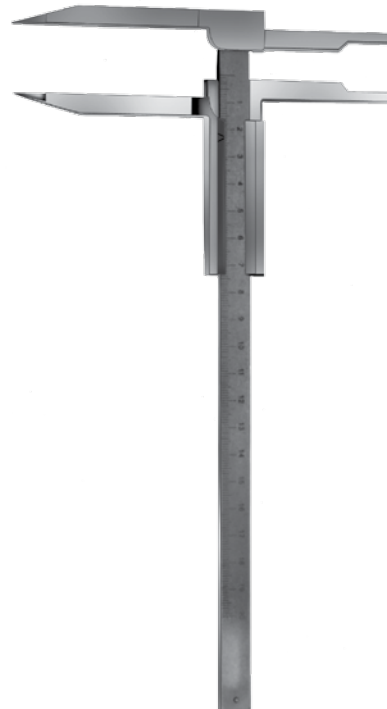
**BAUER**  
48.871.20  
*right*



**BAUER**  
48.873.20  
*left*



**LEVASSEUR MERRIL**  
48.891.00

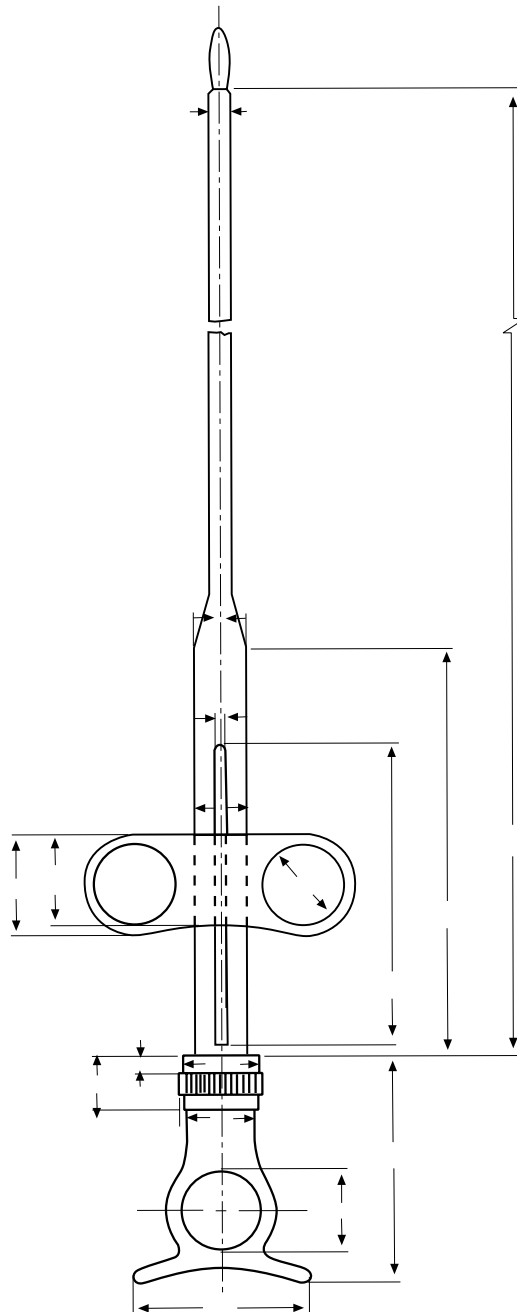


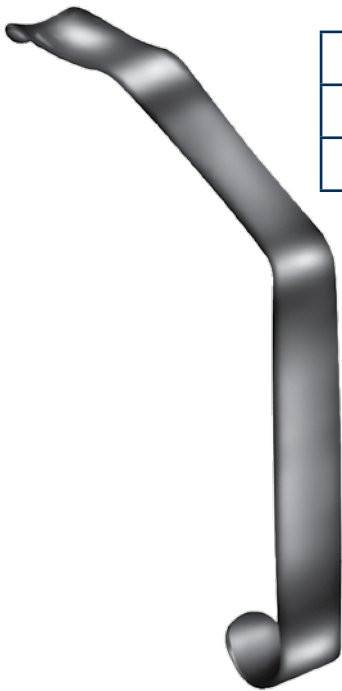
**TESSIER**  
48.990.26  
26 cm



# 50

**Tonsils**  
**Tonsillen**  
Amígdalas





18 mm	<b>50.103.18</b>
20 mm	<b>50.103.20</b>
22 mm	<b>50.103.22</b>

**LOVE**  
50.103.18 - 50.103.22



**HOFER**  
50.109.24  
24 cm



**NAGER**  
50.111.23  
23 cm



**HASLINGER**  
50.112.00  
17 cm



**HURD**  
50.131.22 - 50.133.22  
22 cm  
6 X 12 mm 10 X 12 mm



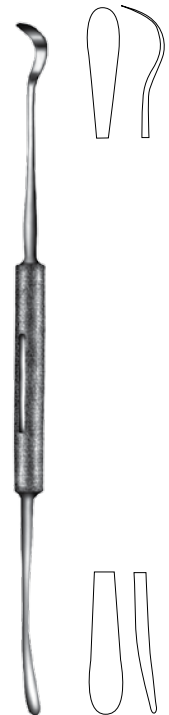
**HENKE**  
50.135.23  
23 cm



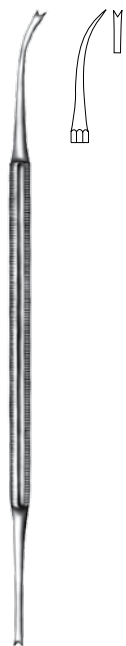
**LOTHROP**  
 50.136.18



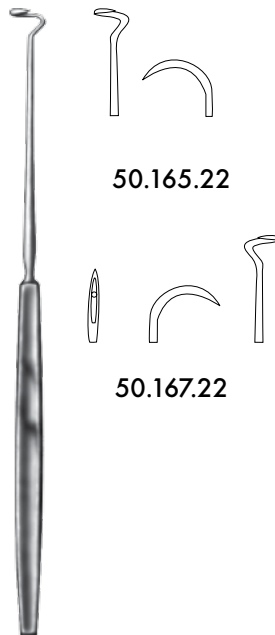
**CARPENTER**  
 50.139.25  
 25 cm



**CARPENTER**  
 50.143.24  
 24 cm



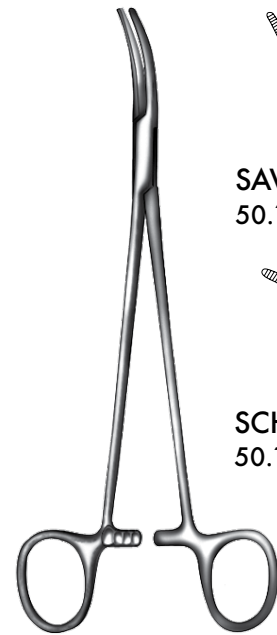
**LUNIATSCHEK**  
 50.151.19  
 19 cm



50.165.22

50.167.22

**DUPUY WEISS**  
 50.165.22 - 50.167.22  
 22 cm

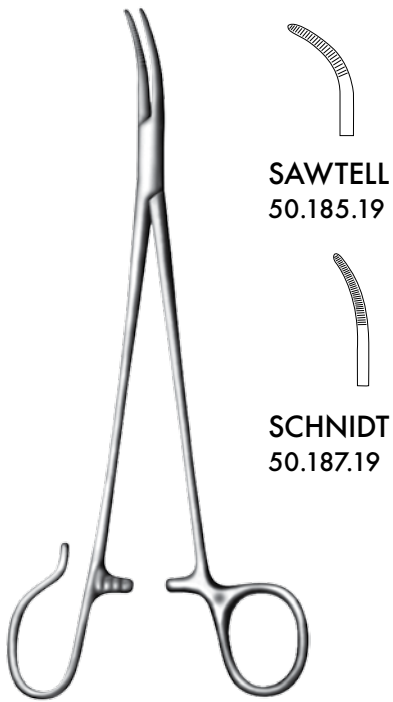


**SAWTELL**  
 50.181.19

**SCHNIDT**  
 50.183.19

50.181.19 - 50.183.19  
 19 cm

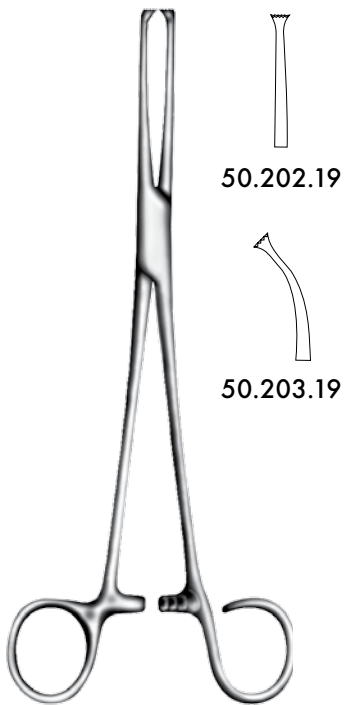




50.185.19 - 50.187.19  
19 cm



**NEGUS**  
50.191.19 - 50.193.19  
19 cm



**COLVER**  
50.202.19 - 50.203.19  
19 cm



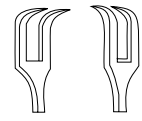
**WHITE**  
50.205.18    50.205.23  
18 cm        23 cm



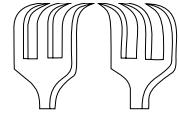
**BALLENGER**  
50.207.21  
21 cm



**BLOHMKE**  
50.209.20  
21 cm



**TYDING**  
50.211.21

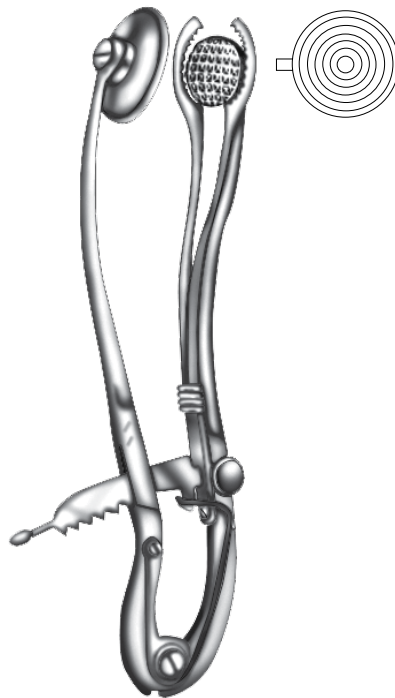


**TIVNEN**  
50.213.21

50.211.21 - 50.213.21  
21 cm



**MARSCHIK**  
50.219.22  
22 cm



**CORWIN**  
50.231.14  
15 cm



**EVES**  
50.250.28  
28 cm



**EVES**  
**50.252.28**  
28 cm



**BRUENINGS**  
**50.256.28**  
28 cm

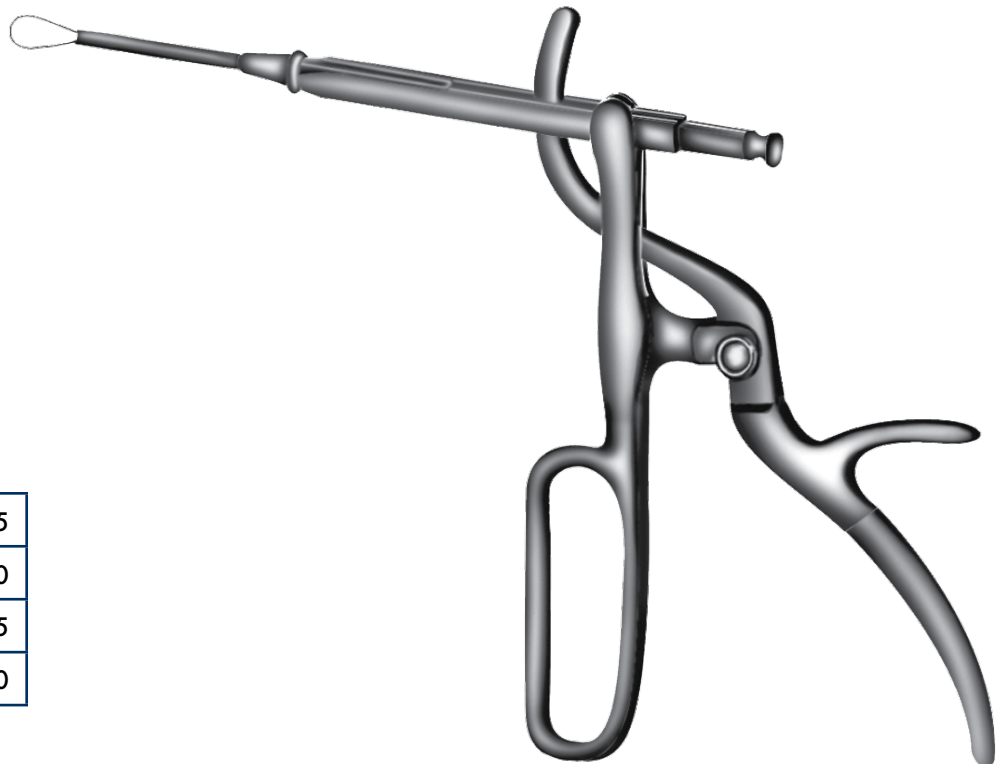


**50.257.40 - 50.257.50**  
100 pieces

40 mm	<b>50.257.40</b>
50 mm	<b>50.257.50</b>



**50.259.03**  
12 pieces each  
0.3 mm



**TYDING**  
**50.260.00**  
with 1 straight tip

0.35 mm	<b>50.259.35</b>
0.4 mm	<b>50.259.40</b>
0.45 mm	<b>50.259.45</b>
0.5 mm	<b>50.259.50</b>

**50.259.35 - 50.259.50**  
100 pieces

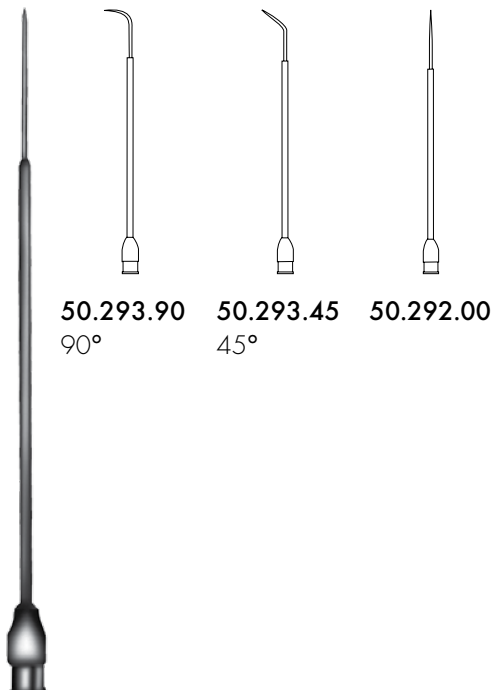


**SLUDER BALLENGER**  
 50.270.00  
 3 blades



2 ml	<b>50.290.02</b>
5 ml	<b>50.290.05</b>
10 ml	<b>50.290.10</b>
20 ml	<b>50.290.20</b>

50.290.02 - 50.290.20



**50.293.90**  
 90°

**50.293.45**  
 45°

**50.292.00**

**50.292.00 - 50.293.90**  
 0.8 mm



**LANDOLT**  
**50.857.25**  
 25 cm

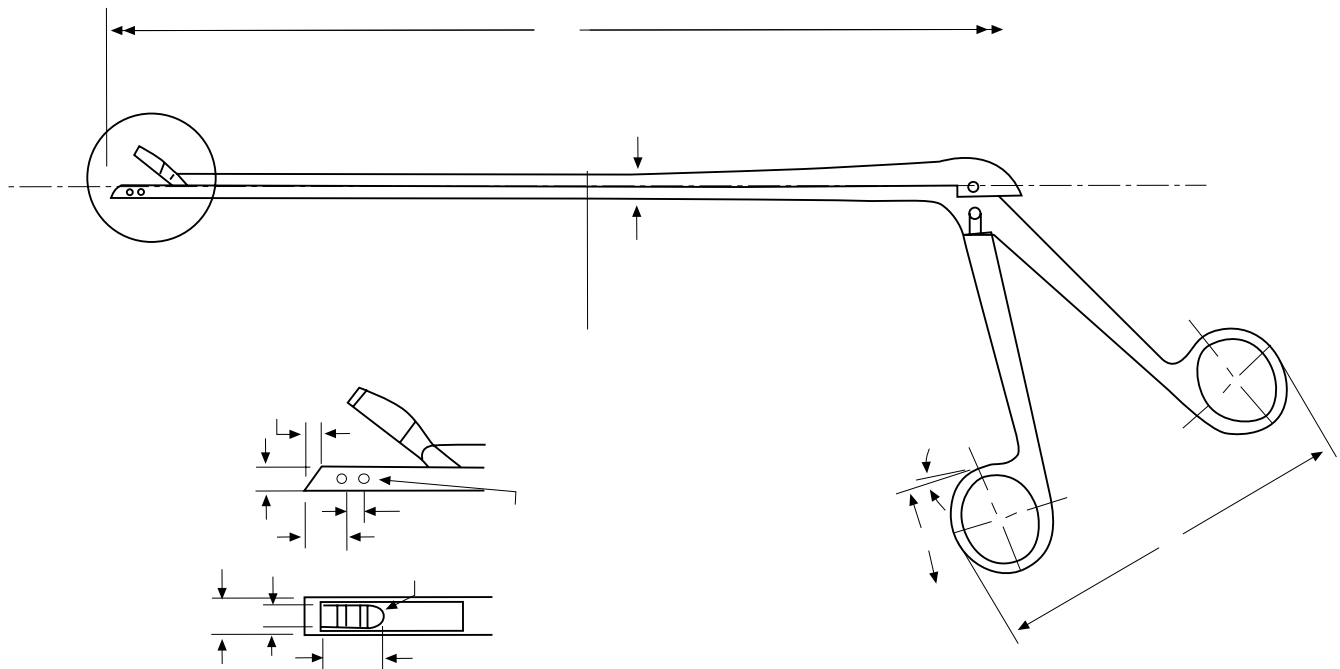


**LANDOLT**  
**50.858.21**  
 21 cm



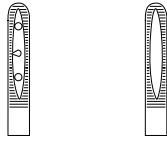
# 52

**Larynx**  
Larynx  
Laringe





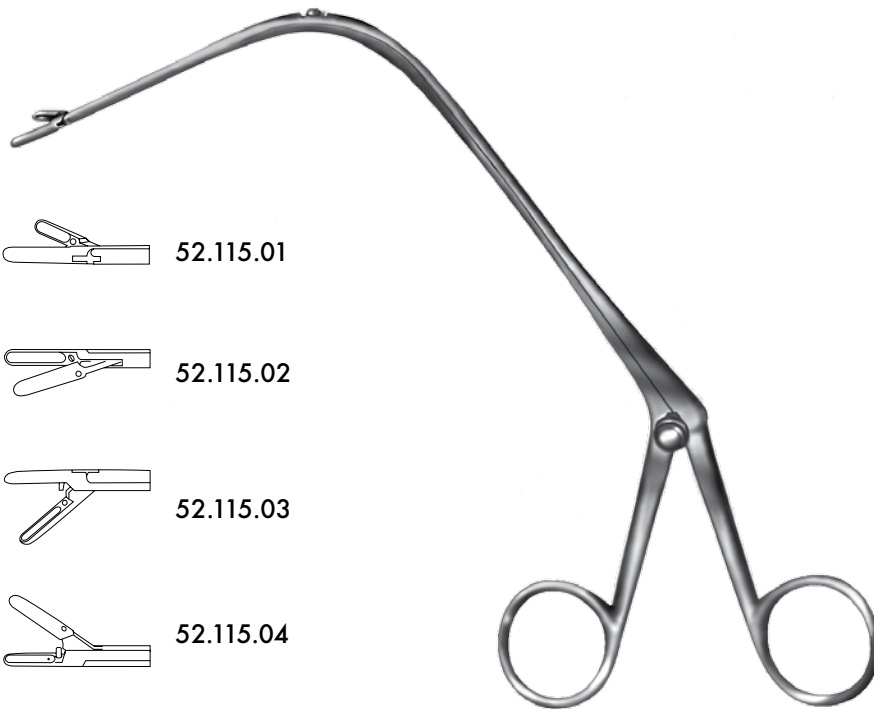
52.101.22 52.103.22



**JACKSON**  
52.101.22 - 52.103.22  
22 cm



**FRAENKEL**  
52.111.18  
18 cm



52.115.01

52.115.02

52.115.03

52.115.04

**JURASZ**  
52.115.01 - 52.115.04  
23 cm



**REICHERT**  
52.121.24  
24 cm



52.123.00  
only  
2.5 mm

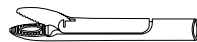
HUBER  
52.130.00



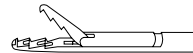
BRUENINGS  
52.131.20  
20 cm

BRUENINGS  
52.132.20 - 52.132.60

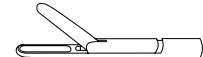
20 cm	52.132.20
30 cm	52.132.30
40 cm	52.132.40
50 cm	52.132.50
60 cm	52.132.60



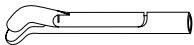
FRAENKEL  
52.150.00



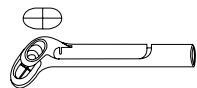
SEIFFERT  
52.152.00



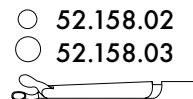
FRAENKEL  
52.154.00



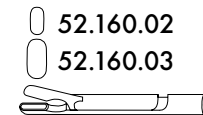
SCHEINMANN  
52.155.00



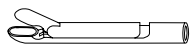
SCHEINMANN  
52.157.00



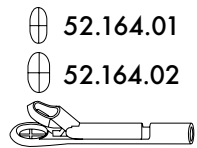
○ 52.158.02  
○ 52.158.03  
BRUENINGS  
52.158.02 - 52.158.03



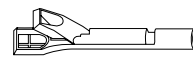
○ 52.160.02  
○ 52.160.03  
BRUENINGS  
52.160.02 - 52.160.03



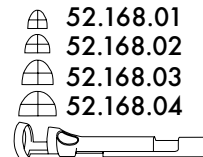
LANGE  
52.162.00



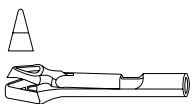
⊕ 52.164.01  
⊕ 52.164.02  
KRAUSE  
52.164.01 - 52.164.02



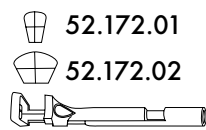
KRAUSE  
52.166.00



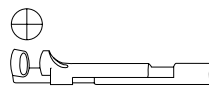
⊕ 52.168.01  
⊕ 52.168.02  
⊕ 52.168.03  
⊕ 52.168.04  
CORDES  
52.168.01 - 52.168.04



SCHUMACHER  
52.170.00



⊕ 52.172.01  
⊕ 52.172.02  
CORDES  
52.172.01 - 52.172.02



⊕ 52.174.00  
CORDES  
52.174.00

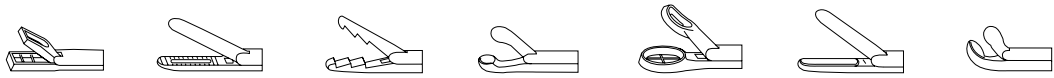


ROSENBERG  
52.176.00





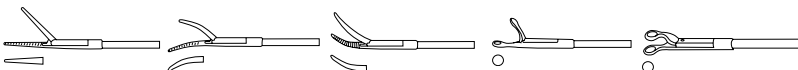
**CHEVALIER - JACKSON**  
52.230.01 - 52.260.07



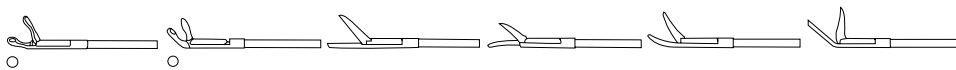
30 cm	52.230.01	52.230.02	52.230.03	52.230.04	52.230.05	52.230.06	52.230.07
40 cm	52.240.01	52.240.02	52.240.03	52.240.04	52.240.05	52.240.06	52.240.07
50 cm	52.250.01	52.250.02	52.250.03	52.250.04	52.250.05	52.250.06	52.250.07
60 cm	52.260.01	52.260.02	52.260.03	52.260.04	52.260.05	52.260.06	52.260.07



**52.264.00 - 52.264.13**  
24 cm



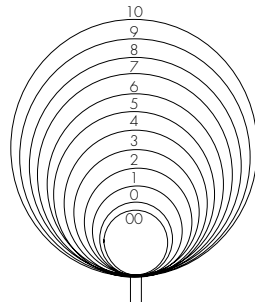
52.264.00	52.264.01	52.264.02	52.264.04	52.264.05
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52.264.06	52.264.07	52.264.10	52.264.11	52.264.12	52.264.13
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52.270.08 - 52.270.30



52.270.08	0/8 mm	52.272.08
52.270.10	0/10 mm	52.272.10
52.270.12	1/12 mm	52.272.12
52.270.14	2/14 mm	52.272.14
52.270.16	3/16 mm	52.272.16
52.270.18	4/18 mm	52.272.18
52.270.20	5/20 mm	52.272.20
52.270.22	6/22 mm	52.272.22
52.270.24	7/24 mm	52.272.24
52.270.26	8/26 mm	52.272.26
52.270.28	9/28 mm	52.272.28
52.270.30	10/30 mm	52.272.30



52.272.08 - 52.272.30



52.274.12

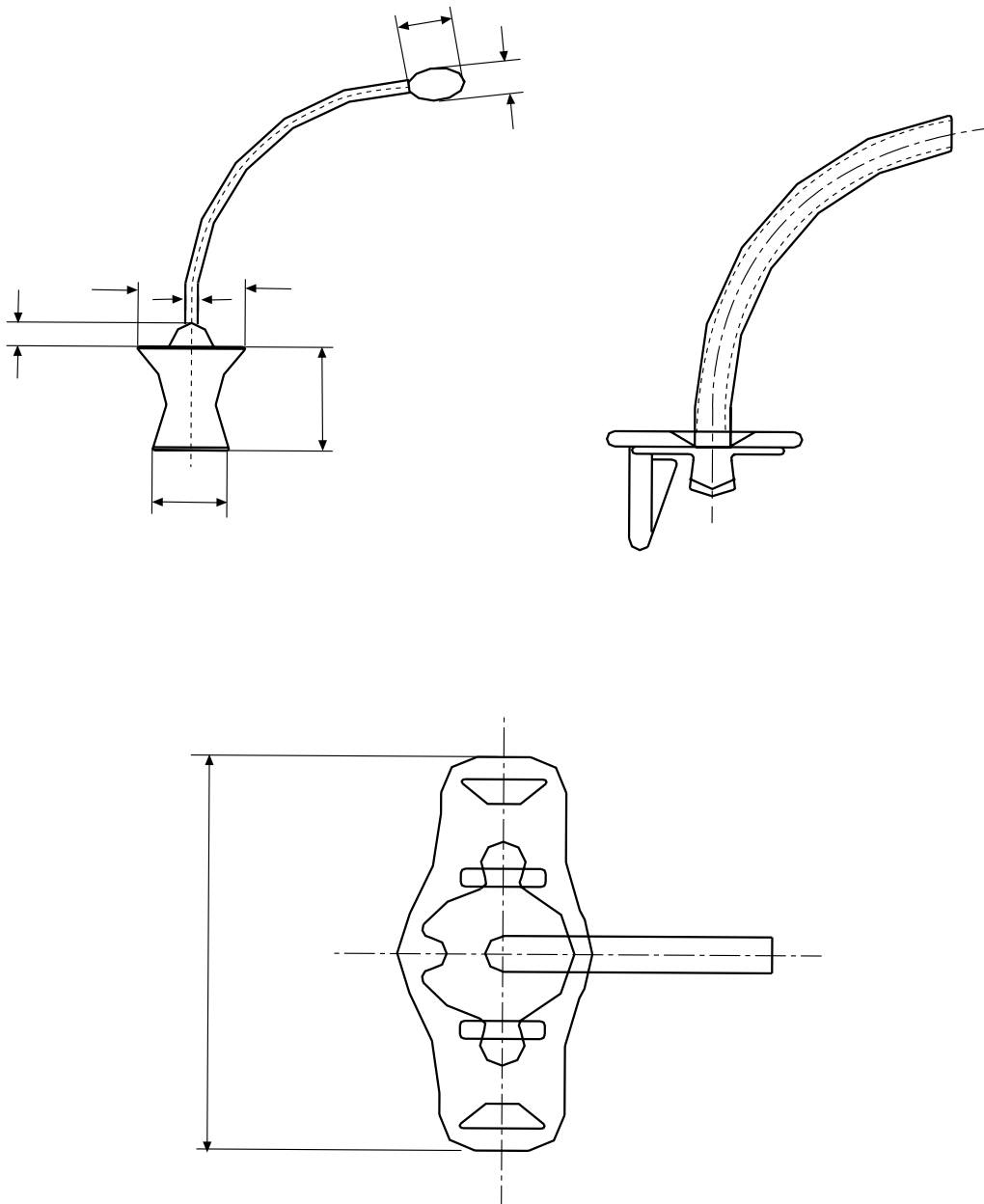


52.276.10



# 54

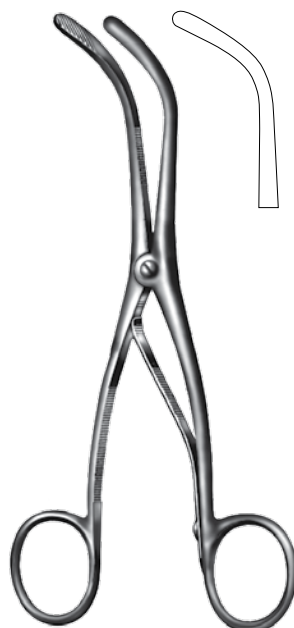
## Tracheostomy Tracheotomie Traqueotomía





**54.101.75** **54.101.90**  
ø 7.5 mm ø 9 mm

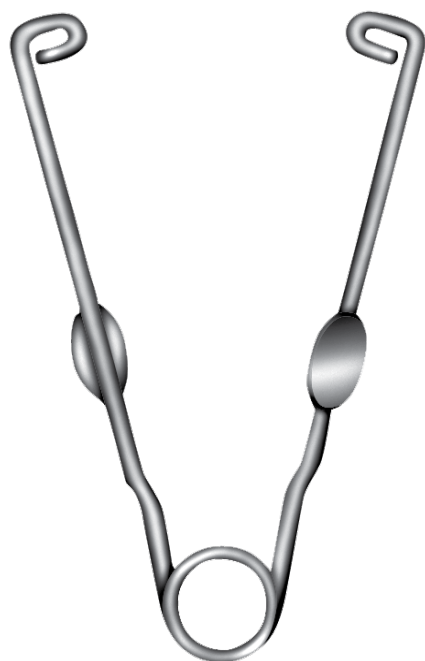
**UCKERMANN**  
**54.101.75 - 54.101.90**  
13 cm



**TROUSSEAU**  
**54.111.14**  
14 cm



**LABORDE**  
**54.113.14**  
14 cm



**BOSE**  
**54.115.07**  
7 cm



**JACKSON**  
**54.116.15**  
15 cm



**JACKSON**  
**54.117.17**  
17 cm



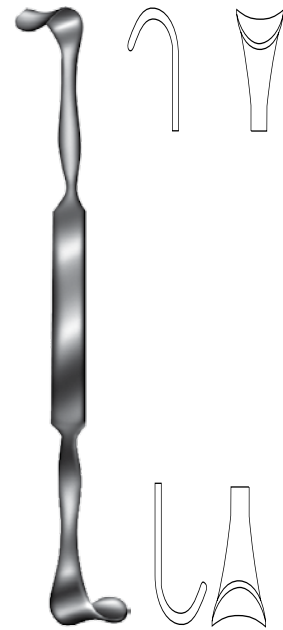
**ITERSON**  
**54.118.16 - 54.119.16**  
16 cm



**BOSE**  
**54.122.16**  
16 cm



**BOSE**  
**54.124.16**  
16 cm



**ROSE**  
**54.130.13**  
13 cm



**TORRINGTON**  
**54.141.05 - 54.141.10**  
26 cm

5 ø mm	1.7 ø mm	<b>54.141.05</b>
6 ø mm	2 ø mm	<b>54.141.06</b>
7 ø mm	2.3 ø mm	<b>54.141.07</b>
8 ø mm	2.7 ø mm	<b>54.141.08</b>
9 ø mm	3 ø mm	<b>54.141.09</b>
10 ø mm	3.3 ø mm	<b>54.141.10</b>



**WAGENER MOSHER**  
**54.151.05 - 54.151.09**

5 mm	<b>54.151.05</b>
7 mm	<b>54.151.07</b>
9 mm	<b>54.151.09</b>



**54.200.03 - 54.200.13**

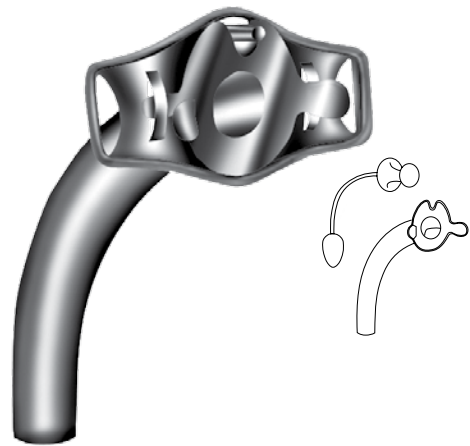
*for catheters*

3 ø mm	14 ø mm	<b>54.200.03</b>
4 ø mm	16 ø mm	<b>54.200.04</b>
5 ø mm	18 ø mm	<b>54.200.05</b>
6 ø mm	20/22 ø mm	<b>54.200.06</b>
7 ø mm	24/26 ø mm	<b>54.200.07</b>
8 ø mm	28/30 ø mm	<b>54.200.08</b>
9 ø mm	32/34 ø mm	<b>54.200.09</b>
10 ø mm	36 ø mm	<b>54.200.10</b>
11 ø mm	38 ø mm	<b>54.200.11</b>
12 ø mm	Ø mm	<b>54.200.12</b>
13 ø mm	Ø mm	<b>54.200.13</b>



**LUER**  
54.220.04 - 54.220.13

0 fig.	4 ø mm	<b>54.220.04</b>
1 fig.	5 ø mm	<b>54.220.05</b>
2 fig.	6 ø mm	<b>54.220.06</b>
3 fig.	7 ø mm	<b>54.220.07</b>
4 fig.	8 ø mm	<b>54.220.08</b>
5 fig.	9 ø mm	<b>54.220.09</b>
6 fig.	10 ø mm	<b>54.220.10</b>
7 fig.	11 ø mm	<b>54.220.11</b>
8 fig.	12 ø mm	<b>54.220.12</b>
9 fig.	13 ø mm	<b>54.220.13</b>



**JACKSON**  
54.240.04 - 54.240.13

0 fig.	4 ø mm	<b>54.240.04</b>
1 fig.	5 ø mm	<b>54.240.05</b>
2 fig.	6 ø mm	<b>54.240.06</b>
3 fig.	7 ø mm	<b>54.240.07</b>
4 fig.	8 ø mm	<b>54.240.08</b>
5 fig.	9 ø mm	<b>54.240.09</b>
6 fig.	10 ø mm	<b>54.240.10</b>
7 fig.	11 ø mm	<b>54.240.11</b>
8 fig.	12 ø mm	<b>54.240.12</b>
9 fig.	13 ø mm	<b>54.240.13</b>



**54.270.00**  
set



54.501.15

54.503.15

**KOCHER**  
54.501.15 - 54.503.15  
15 cm



**KOCHER**  
54.503.16  
15 cm



**SCHOENBORN**  
54.511.21  
15 cm



**JOLL**  
54.512.15  
15 cm



**LAHEY**  
54.520.15 54.520.20  
15 cm 20 cm



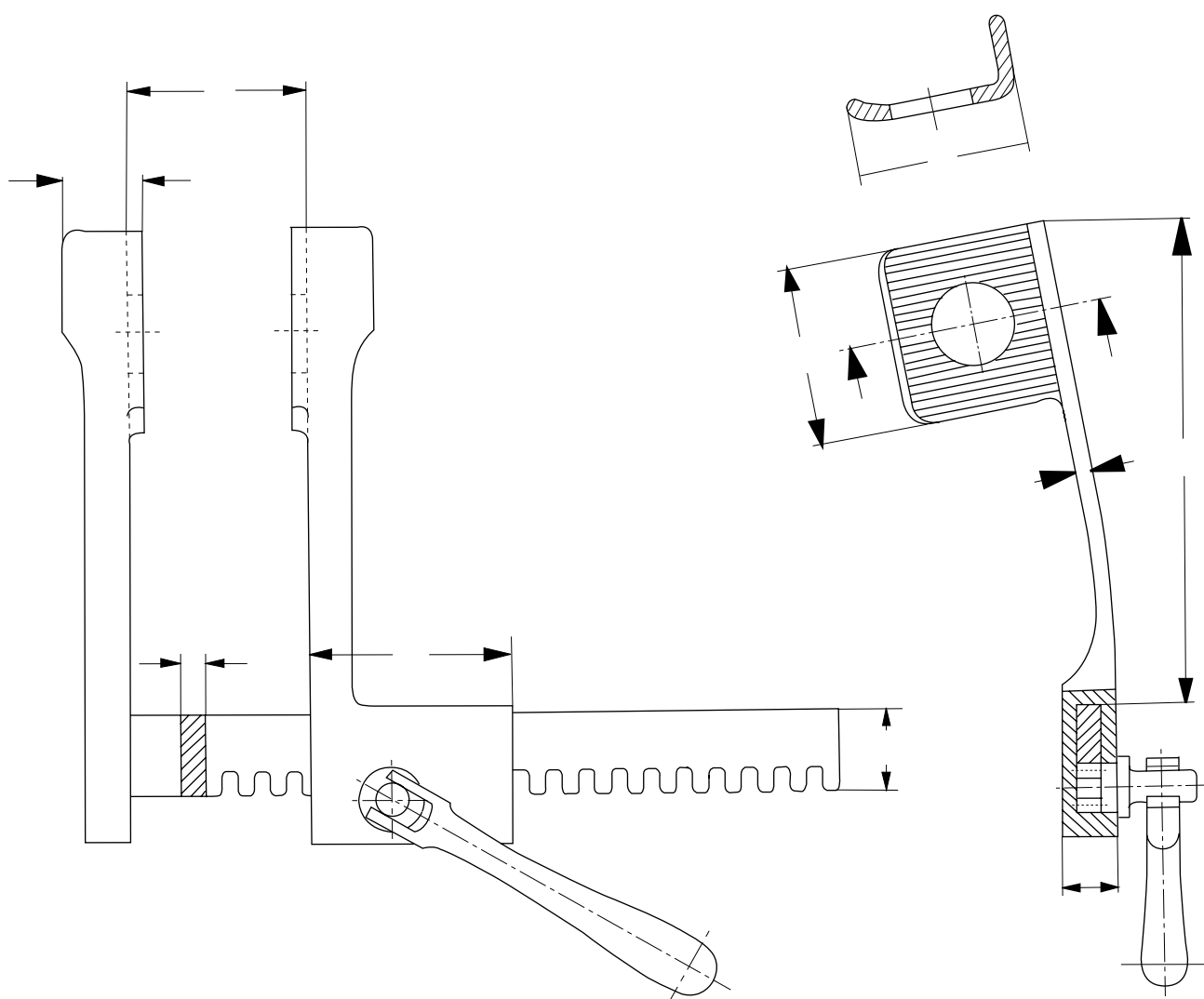
**MASTIN**  
54.523.17  
17 cm





# 56

**Thorax**  
Thorax  
Tórax

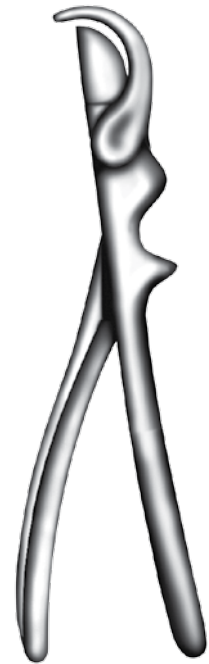




**56.102.23**  
23 cm



**56.105.22**  
22 cm



**GLUCK**  
**56.107.22**  
22 cm



**STILLE**  
**56.111.21**  
21 cm

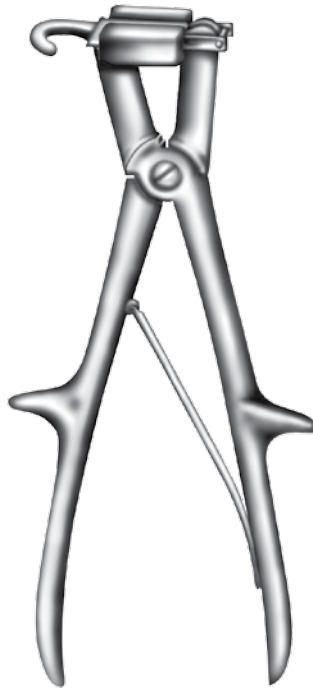


**CORYLLOS**  
**56.123.35 - 56.125.35**

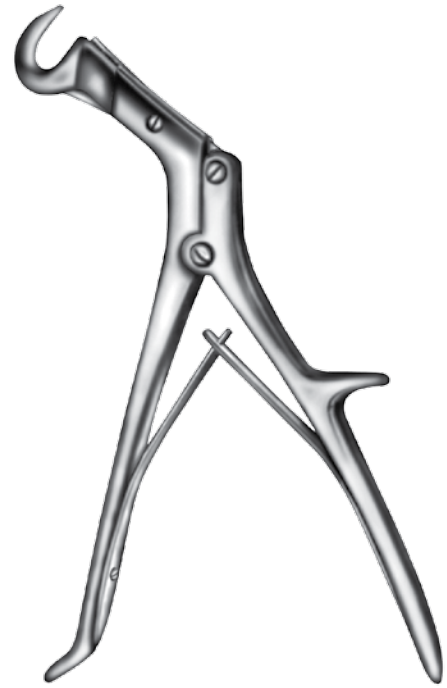
	<i>left</i>	<i>right</i>
35 cm	<b>48.123.35</b>	<b>48.125.35</b>



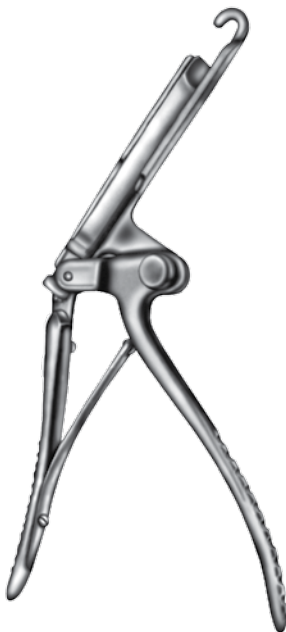
**BETHUNE**  
**56.126.34**  
34 cm



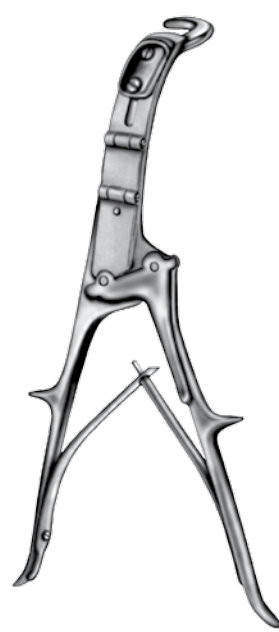
**SAUERBRUCH**  
**56.131.26**  
26 cm



**GIERTZ STILLE**  
**56.137.27**  
27 cm



**SAUERBRUCH FREY**  
**56.141.36**  
36 cm



**BRUNNER**  
**56.147.28**  
28 cm



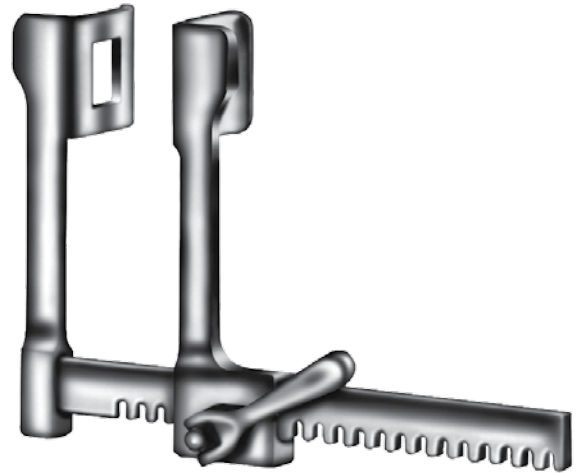
**SCHUMACHER**  
**56.148.21**  
21 cm

<i>spread</i>	<i>depth</i>	<i>width</i>	
16.5 cm	40 mm	40 mm	<b>56.210.16</b>
20 cm	45 mm	55 mm	<b>56.210.20</b>
25 cm	70 mm	65 mm	<b>56.210.25</b>

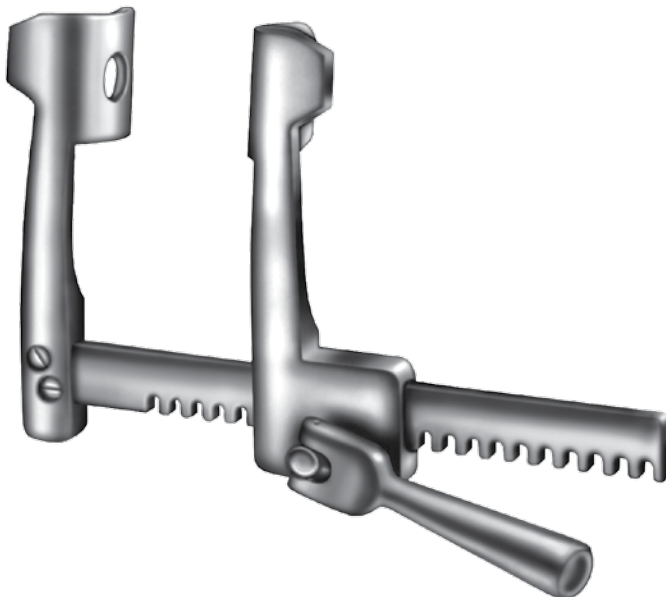


**FINOCHIETTO**  
56.210.16 - 56.210.25

<i>spread</i>	<i>depth</i>	<i>width</i>	
7.5 cm	18 mm	20 mm	<b>56.214.75</b>



**FINOCHIETTO baby**  
56.214.75

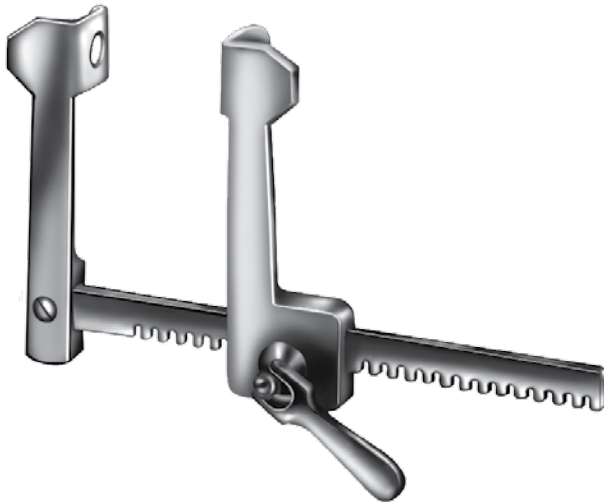


**FINOCHIETTO**  
56.230.13 - 53.230.18  
*aluminium*

<i>spread</i>	<i>depth</i>	<i>width</i>	
13.5 cm	38 mm	44 mm	<b>56.230.13</b>
17.5 cm	52 mm	62 mm	<b>56.230.17</b>
17.5 cm	85 mm	65 mm	<b>56.230.18</b>

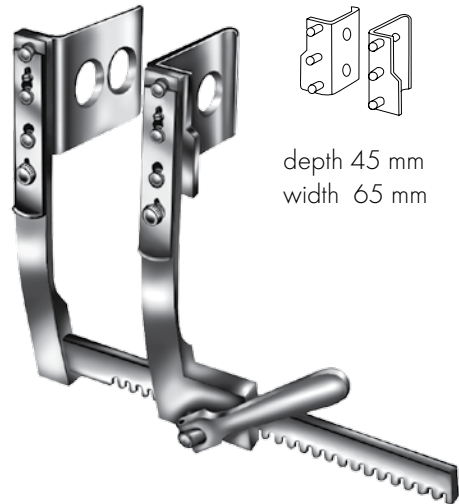


spread	depth	width	
7.5 cm	15 mm	15 mm	<b>56.234.75</b>



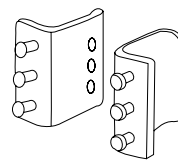
**FINOCHIETTO infant**  
**56.234.75**  
aluminium

depth 70 mm  
width 65 mm

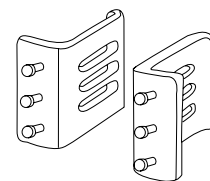


depth 45 mm  
width 65 mm

**FINOCHIETTO BURFORD**  
**56.236.25**  
25 cm



depth 47 mm  
width 62 mm



depth 65 mm  
width 62 mm

spread

18 cm	<b>56.242.18</b>
26 cm	<b>56.242.26</b>
30 cm	<b>56.242.30</b>

**FINOCHIETTO BURFORD**  
**56.242.18 - 56.242.30**  
aluminium

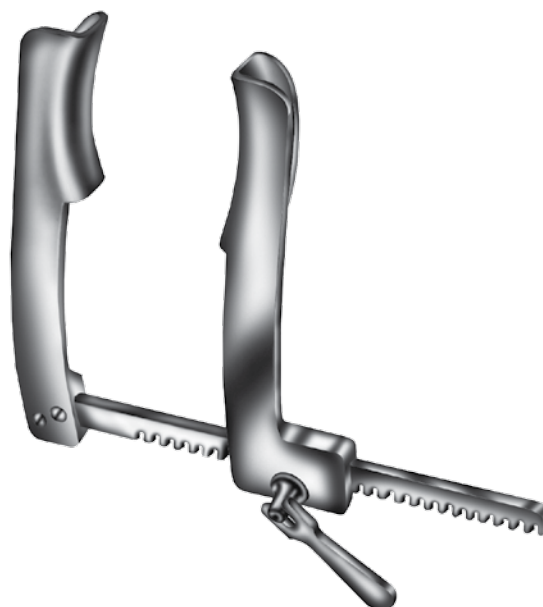


**FINOCHIETTO BURFORD**

**56.244.13**

aluminium

13.5 cm



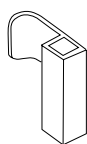
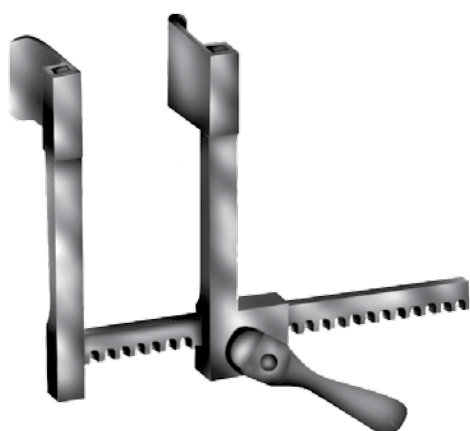
**CASTAÑEDA**

**56.250.06 - 56.250.12**

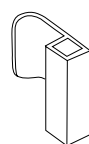
aluminium

*spread      depth      width*

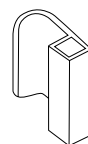
<i>spread</i>	<i>depth</i>	<i>width</i>	
6.5 cm	105 mm	32 mm	<b>56.250.06</b>
7 cm	120 mm	45 mm	<b>56.250.07</b>
12 cm	150 mm	60 mm	<b>56.250.12</b>



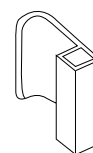
**56.258.11**  
1 x 1 cm



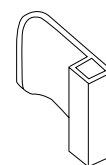
**56.258.12**  
1 x 1.5 cm



**56.258.13**  
1 x 2 cm



**56.258.14**  
1.5 x 2 cm



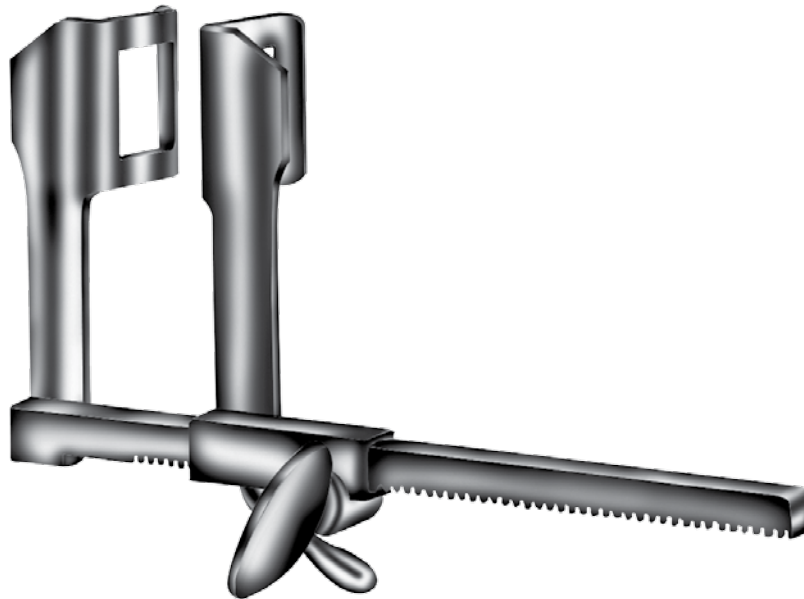
**56.258.15**  
2 x 2 cm

**STRUCK**

**56.258.00 - 56.258.15**

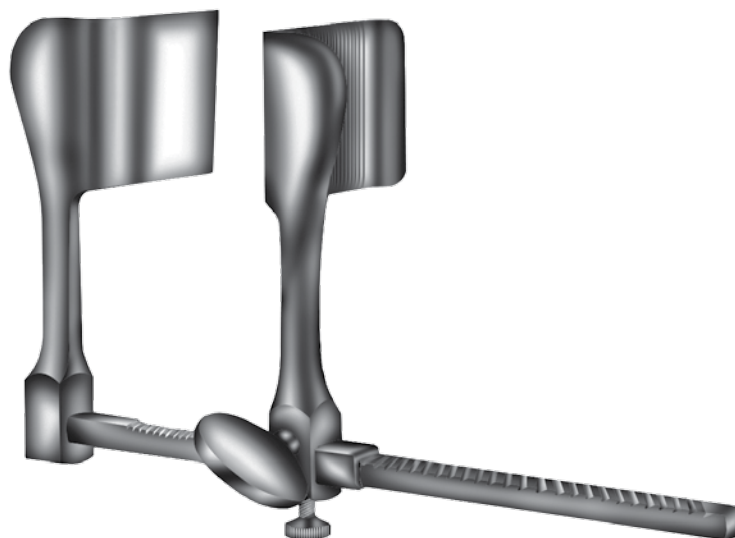
*set complete*

**56.258.00**



**HAIGHT**  
56.260.09

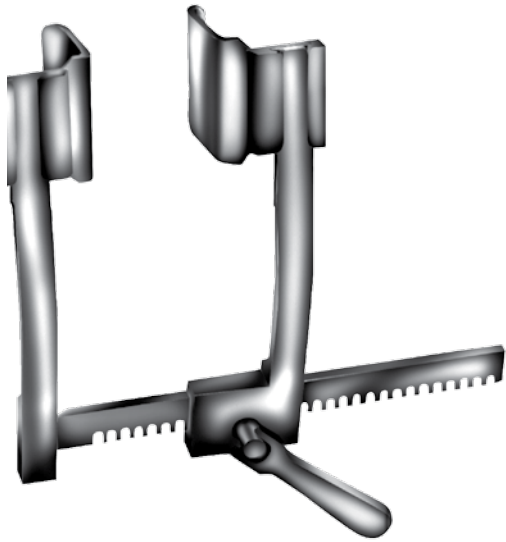
<i>spread</i>	<i>depth</i>	<i>width</i>
9 cm	30 mm	30 mm



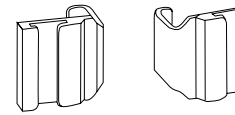
**TUFFIER**  
56.264.16

<i>spread</i>	<i>depth</i>	<i>width</i>
16.5 cm	50 mm	45 mm





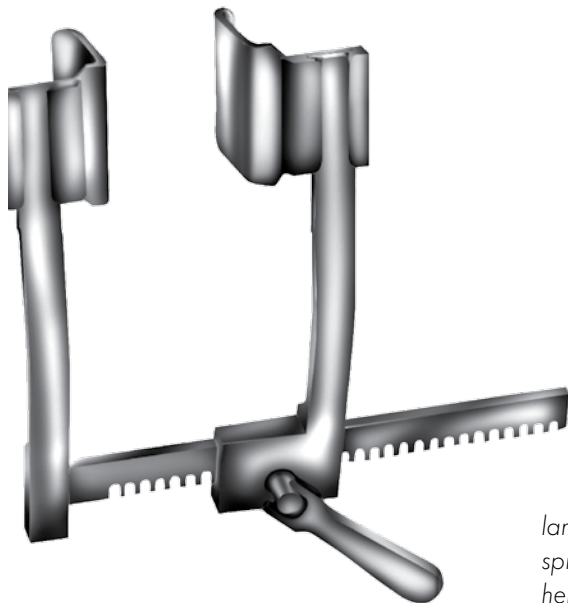
large 22 cm  
spread 15 cm  
height 18 cm



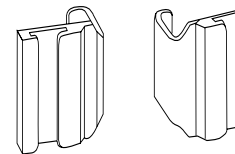
3 x 3 cm	blade	<b>56.266.30</b>
4 x 4 cm	blade	<b>56.266.40</b>
5 x 5 cm	blade	<b>56.266.50</b>
5 x 6.6 cm	blade	<b>56.266.66</b>

set complete **56.266.00**  
frame **56.266.22**

**DE BAKEY**  
**56.266.00 - 56.266.66**



large 28 cm  
spread 20 cm  
height 22.5 cm



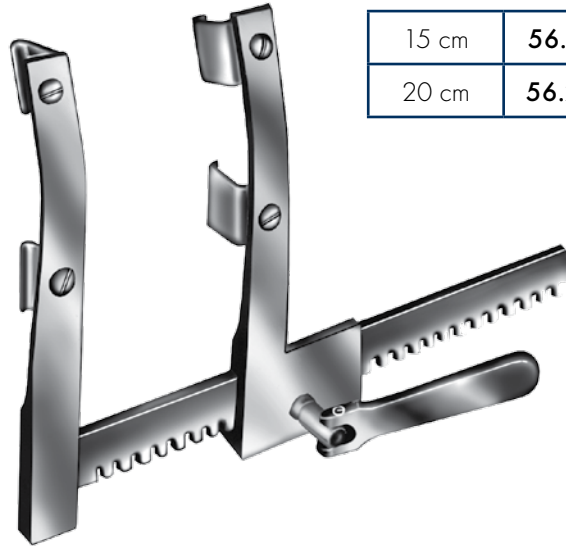
4 x 10 cm	blade	<b>56.268.40</b>
5 x 8 cm	blade	<b>56.268.50</b>
6 x 6 cm	blade	<b>56.268.60</b>
8 x 6 cm	blade	<b>56.268.80</b>

set complete **56.268.00**  
frame **56.268.22**

**DE BAKEY**  
**56.268.00 - 56.268.80**

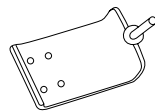
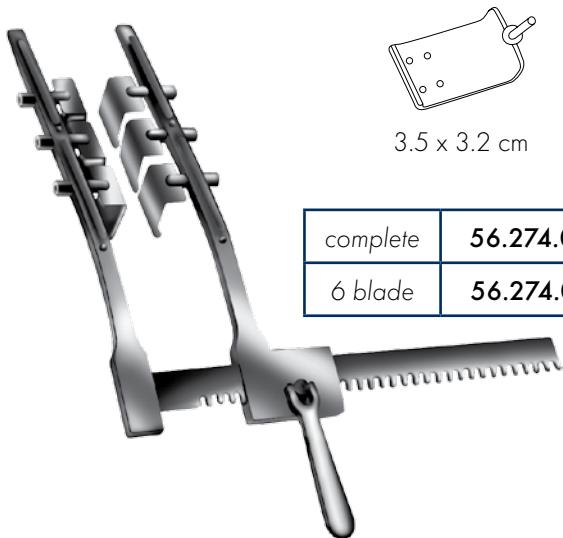


**MERCEDES**  
**56.270.00**  
*complete*



15 cm	<b>56.272.15</b>
20 cm	<b>56.272.20</b>

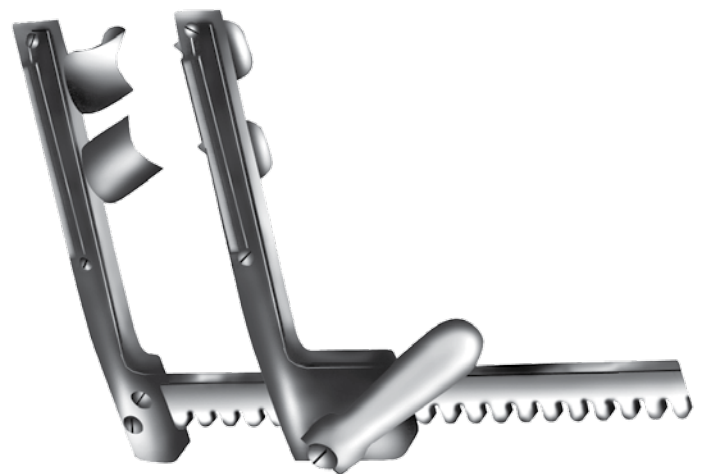
**MORSE**  
**56.272.15 - 56.272.20**



3.5 x 3.2 cm

<i>complete</i>	<b>56.274.00</b>
<i>6 blade</i>	<b>56.274.01</b>

**ANKENEY**  
**56.274.00 - 56.274.01**



**ANKENEY**  
**56.276.00**  
*children*



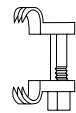
**BAILEY**  
56.280.19  
19 cm



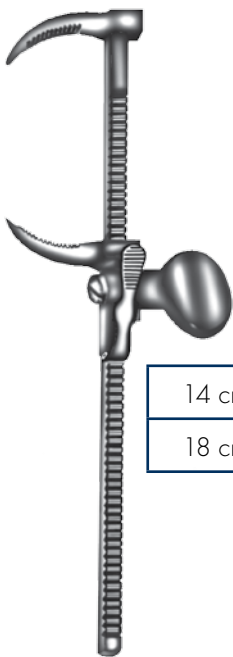
**BAILEY baby**  
56.282.14  
14 cm



**BAILEY**  
56.284.16 - 56.286.16  
16 cm



**BAILEY GIBBON**  
56.286.16



14 cm	56.288.14
18 cm	56.288.18

**LEMMON**  
56.288.14 - 56.288.18



30 cm	56.289.30
32 cm	56.289.32

**ALLISON**  
56.289.30 - 56.289.32



**LOVELACE**  
56.290.20  
20 cm



**LOVELACE**  
**56.291.20**  
20 cm



30.5 cm	<b>56.301.30</b>
29.5 cm	<b>56.303.29</b>

**HARRINGTON**  
**56.301.30 - 56.303.29**



**FINOCHIETTO**  
**56.307.24**  
24 cm



**56.309.22**

**56.311.22**

*tooth left side*

**56.313.22**

*tooth right side*

**PRICE THOMAS**  
**56.309.22 - 56.313.22**  
22 cm



**56.317.23**

*left*

**56.319.23**

*right*

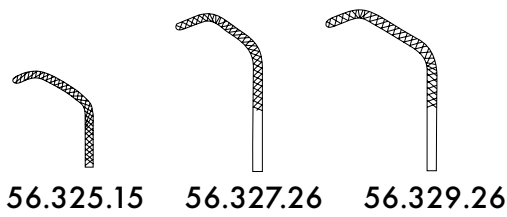
**SAROT**  
**56.317.23 - 56.319.23**  
23 cm



**56.321.23**

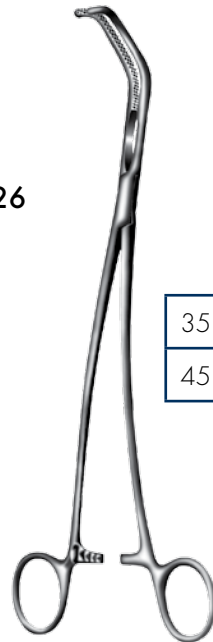
**56.323.23**

**SEMB**  
**56.321.23 - 56.323.23**  
23 cm



15 cm	<b>56.325.15</b>
26 cm	<b>56.327.26</b>
26 cm	<b>56.329.26</b>

**SATINSKY**  
56.325.15 - 56.329.26

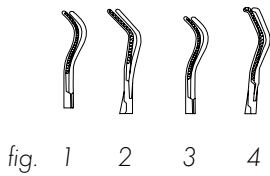


35 tip mm	<b>56.331.26</b>
45 tip mm	<b>56.333.26</b>

**SATINSKY**  
56.331.26 - 56.333.26  
26 cm

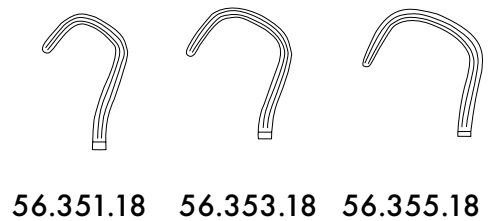


**DERRA**  
56.335.24  
24 cm



curved	<b>56.343.24</b>
curved	<b>56.345.24</b>
curved	<b>56.347.24</b>
straight	<b>56.349.24</b>

**HARKEN**  
56.343.24 - 56.349.24  
24 cm

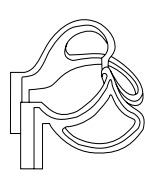


small	<b>56.351.18</b>
median	<b>56.353.18</b>
large	<b>56.355.18</b>

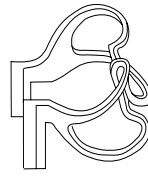
**DERRA**  
56.351.18 - 56.355.18  
18 cm



56.360.19



56.360.25



56.360.32

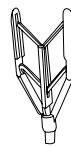
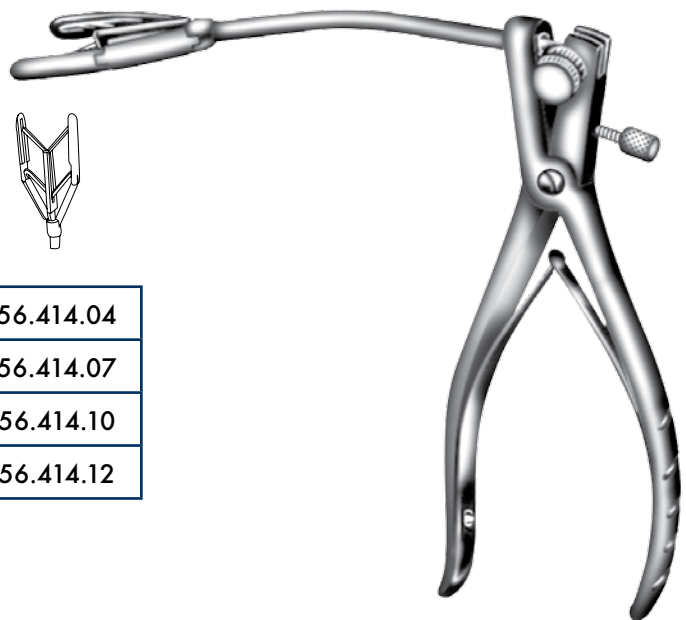
19 x 19 mm	56.360.19
25 x 25 mm	56.360.25
32 x 32 mm	56.360.32

**JOHNS HOPKINS**  
56.360.19 - 56.36.32  
20 cm



4 mm	56.380.04
5 mm	56.380.05

**KARP**  
56.380.04 - 56.380.05

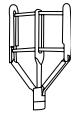


4 mm	56.414.04
7.5 mm	56.414.07
10 mm	56.414.10
12 mm	56.414.12

**BROCK**  
56.410.00  
handle

**HARKEN BROCK**  
56.412.00

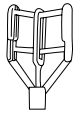
**TUBBS**  
56.418.42 - 56.418.45  
Small Large  
blade opening 8 - 42 mm  
18 cm



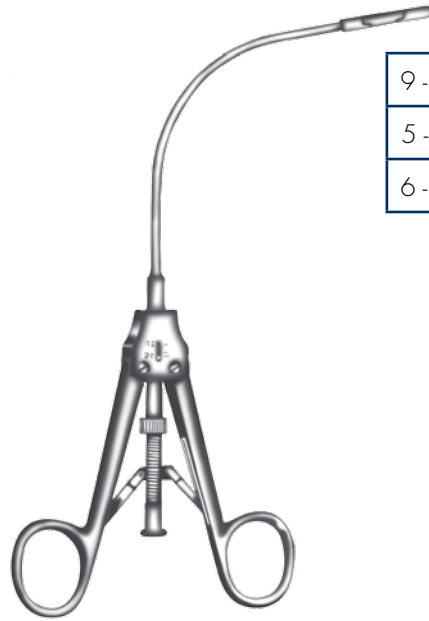
children	<b>56.420.15</b>
adult	<b>56.420.45</b>



**COOLEY**  
56.420.15 - 56.420.45



9 - 40 mm	<b>56.423.40</b>
5 - 18 mm	<b>56.425.18</b>
6 - 20 mm	<b>56.425.20</b>



**COOLEY**  
56.423.40 - 56.425.20



3.2 mm	<b>56.430.32</b>
6.4 mm	<b>56.430.64</b>

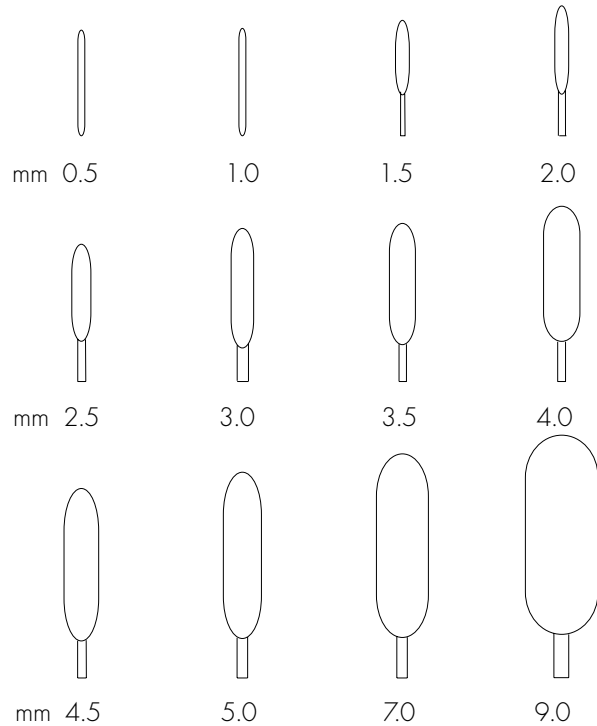
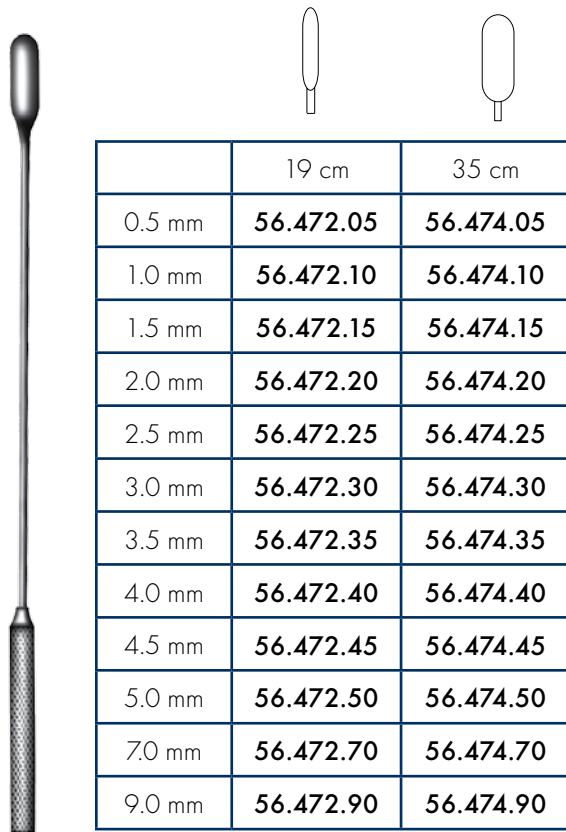
**RUMEL BELMONT**  
56.430.32 - 56.430.64  
33 cm



Ø 0.5 mm	<b>56.470.05</b>
Ø 1.0 mm	<b>56.470.10</b>
Ø 1.5 mm	<b>56.470.15</b>
Ø 2.0 mm	<b>56.470.20</b>
Ø 2.5 mm	<b>56.470.25</b>
Ø 3.0 mm	<b>56.470.30</b>
Ø 4.0 mm	<b>56.470.40</b>
Ø 5.0 mm	<b>56.470.50</b>



**COOLEY**  
56.470.05 - 56.470.50  
13 cm



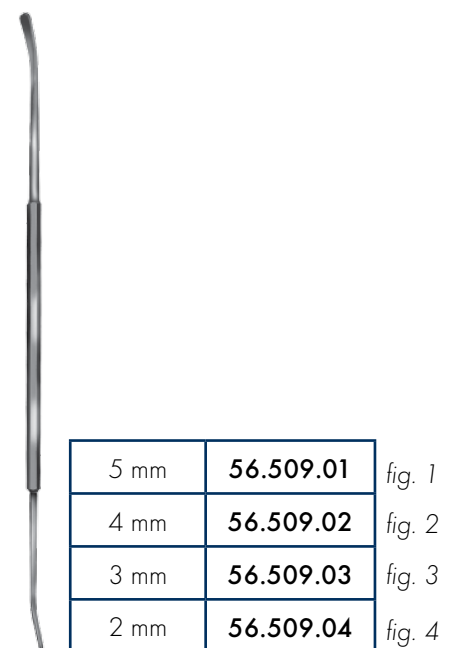
**DE BAKEY**  
**56.472.05 - 56.474.90**  
19 cm



**56.505.18 - 56.505.21**  
ø 3 mm teeth



**56.507.14 - 56.507.24**



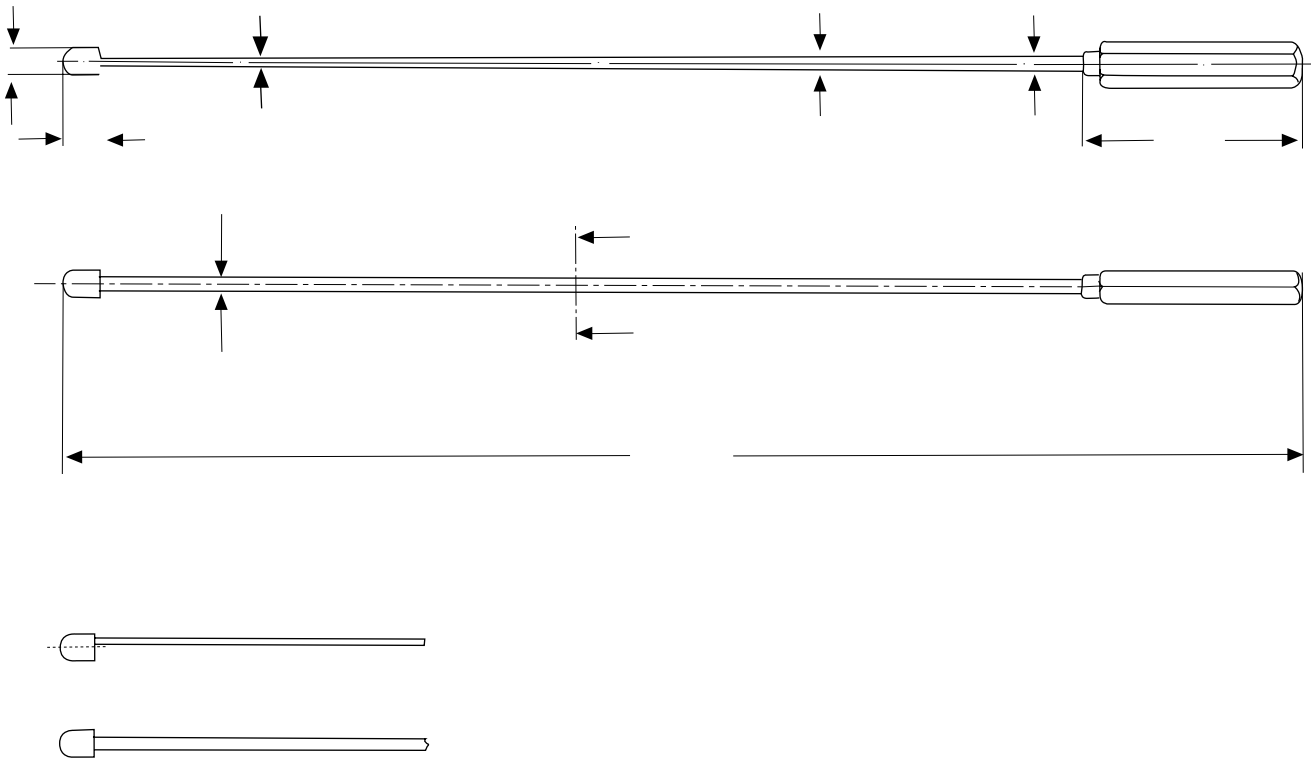
**ROBB**  
**56.509.01 - 56.509.04**  
24 cm





# 62

## Gall Bladder Gallenblase Vesícula Biliar





**62.101.23** **62.103.23**  
*fig. 1* *fig. 2*



**DESJARDINS**  
**62.101.23 - 62.103.23**  
23 cm



**62.106.20** **62.107.20**  
*straight* *curved*



**BLAKE**  
**62.106.20 - 62.107.20**  
20 cm



**62.110.20** **62.111.20**



**MAYO BLAKE**  
**62.110.20 - 62.111.20**  
20 cm



**MIXTER**  
**62.117.22**  
22 cm



**MOORE**  
**62.125.28**  
30 cm



**62.126.01**  
2.7 mm



**62.126.02**  
3.4 mm



**62.126.03**  
4.3 mm



**62.126.04**  
5.5 mm



**62.126.05**  
6.6 mm



**62.126.06**  
8 mm



**62.126.07**  
11 mm



**62.126.08**  
15 mm



### LUER-KÖRTE

**62.126.01-62.120.08**

32 cm



**OCHSNER**  
**62.128.35**  
38 cm



**62.130.13**  
13 Charr



**62.130.18**  
18 Charr



**62.130.21**  
21 Charr

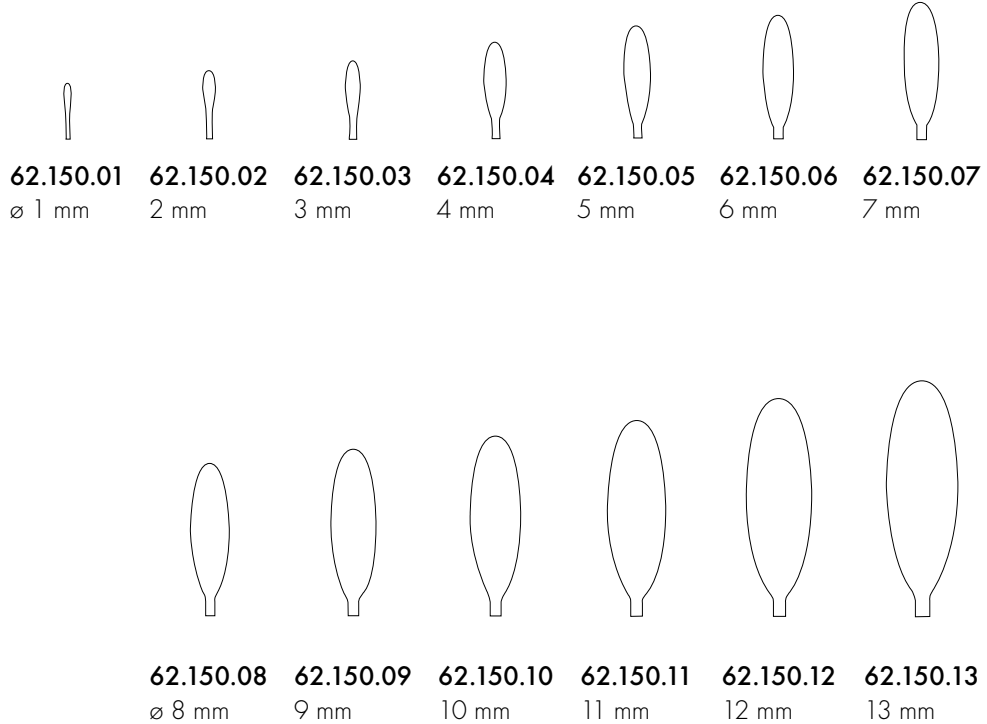


**DESJARDINS**  
**62.130.13 - 62.130.21**  
30 cm

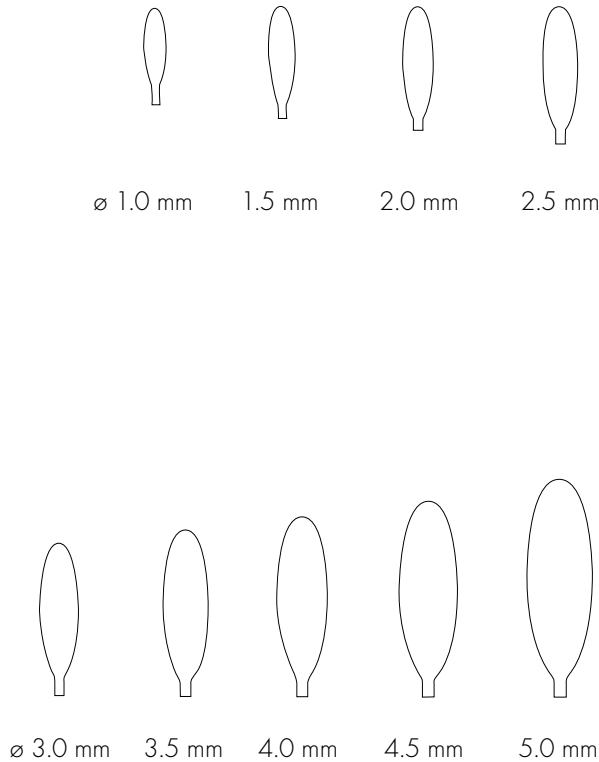


**MOYNIHAN**  
**62.142.34**  
34 cm





**BAKES**  
62.150.01 - 62.150.13  
30 cm



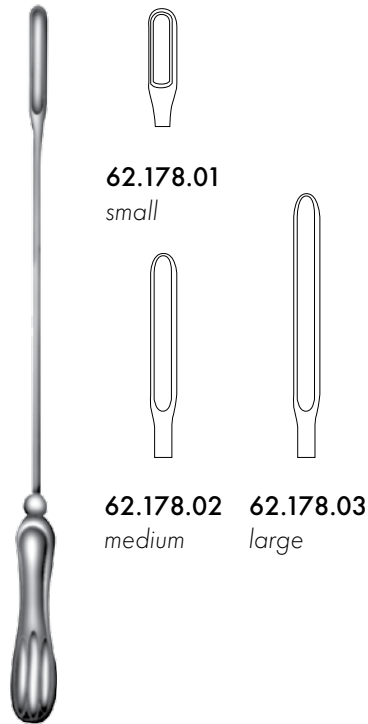
**GARRET**  
62.160.00  
set of 9



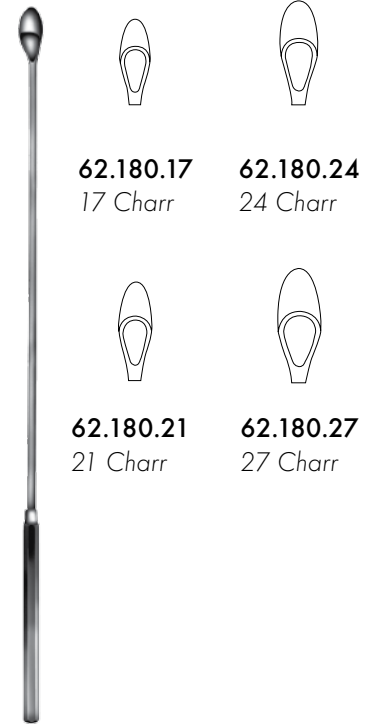
**FERGUSON**  
62.170.21  
21.5 cm



**MAYO**  
 62.175.27  
 27 cm



**MAYO**  
 62.178.01 - 62.178.03  
 27 cm



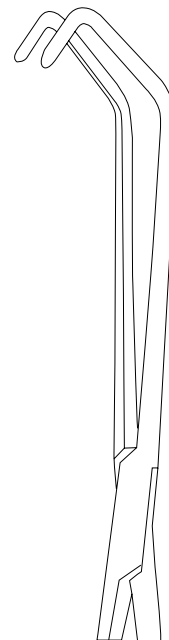
**DESJARDINS**  
 62.180.17 - 62.180.27  
 30 cm



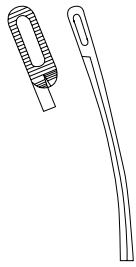
**MAYO**  
 62.210.32  
 32 cm



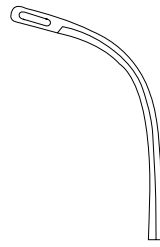
**LURZ**  
 62.221.21  
 ureter clamp  
 21 cm



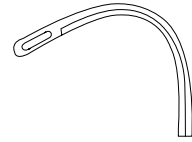
**LURZ**  
 62.223.21  
 21 cm



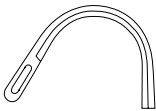
**62.231.01**  
23 cm  
fig. 1



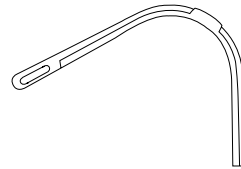
**62.231.02**  
22 cm  
fig. 2



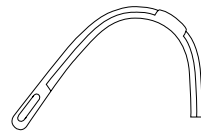
**62.231.03**  
22 cm  
fig. 3



**62.231.04**  
22 cm  
fig. 4



**62.231.05**  
19 cm  
fig. 5

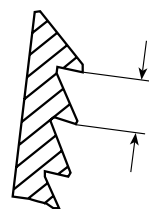
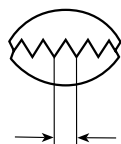
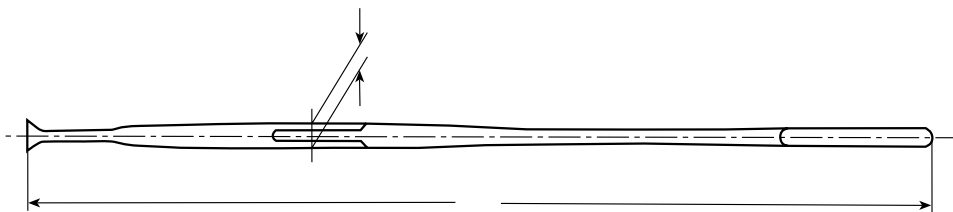
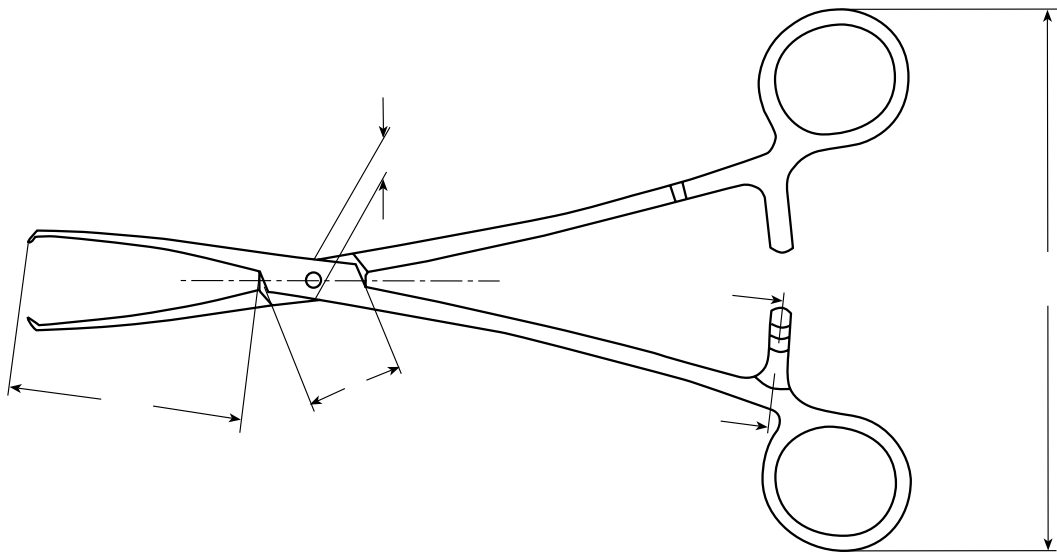


**62.231.06**  
19 cm  
fig. 6

**RANDALL**  
**62.231.01 - 62.231.06**  
kidney stone forceps

# 64

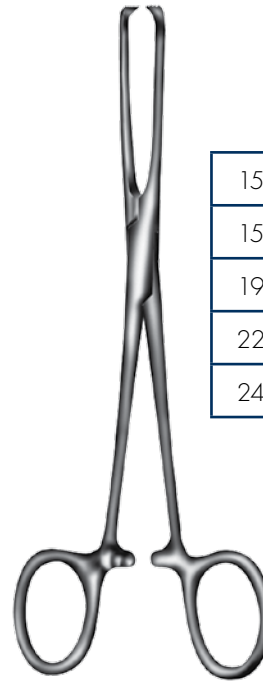
## Kidney, Intestines, Stomach Niere, Darm, Magen Riñón, Intestino, Estómago





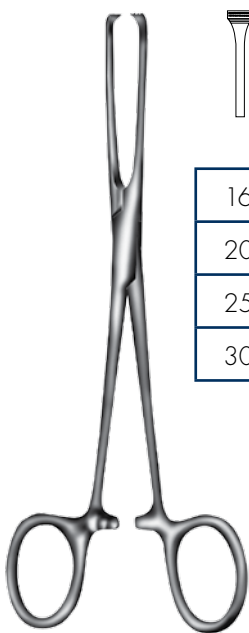


**ALLIS - Baby**  
**64.102.14**  
4 x 5 teeth  
14 cm



15 cm/4:5 teeth	<b>64.110.15</b>
15 cm/5:6 teeth	<b>64.120.15</b>
19 cm/5:6 teeth	<b>64.120.19</b>
22 cm/5:6 teeth	<b>64.120.22</b>
24 cm/5:6 teeth	<b>64.120.24</b>

**ALLIS**  
**64.110.15 - 64.120.24**



16 cm	<b>64.124.16</b>
20 cm	<b>64.124.20</b>
25 cm	<b>64.124.25</b>
30 cm	<b>64.124.30</b>

**ALLIS**  
**64.124.16 - 64.124.30**  
*atraumatic*



**ALLIS - ADAIR**  
**64.130.15**  
10 x 11 teeth  
15.5 cm



15 cm	<b>64.140.15</b>
19 cm	<b>64.140.19</b>

**JUDD - ALLIS**  
**64.140.15 - 64.140.19**  
3 x 4 teeth



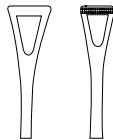
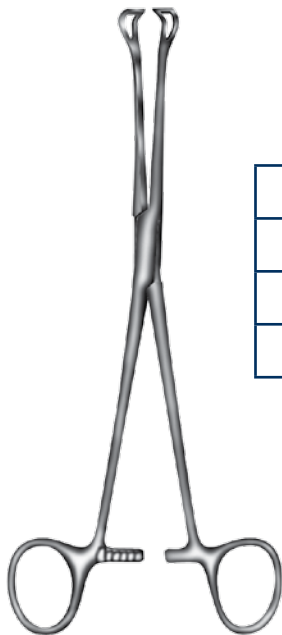
**LOCKWOOD**  
**64.146.20**  
 20 cm



**BOYS ALLIS**  
**64.148.15**  
 5 x 6 teeth  
 15 cm



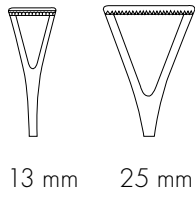
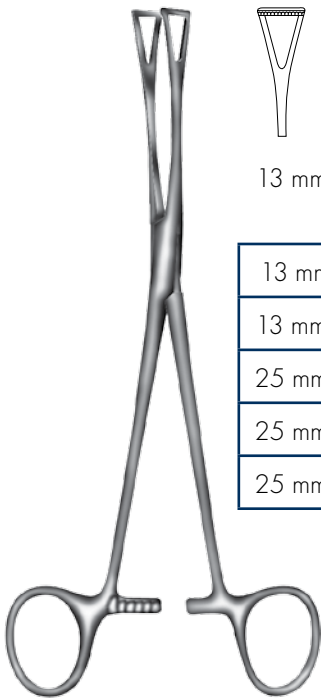
**THOMS ALLIS**  
**64.150.20**  
 6 x 7 teeth  
 20 cm



*atraumatic*

16 cm	<b>64.160.16</b>	<b>64.164.16 TC</b>	<b>64.168.16</b>
18 cm	<b>64.160.18</b>		
20 cm	<b>64.160.20</b>	<b>64.164.20 TC</b>	<b>64.168.20</b>
24 cm	<b>64.160.24</b>		

**BABCOCK**  
**64.160.16 - 64.168.20**



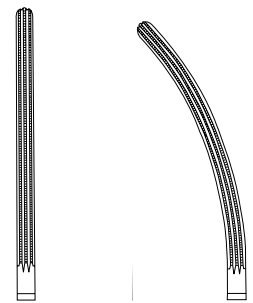
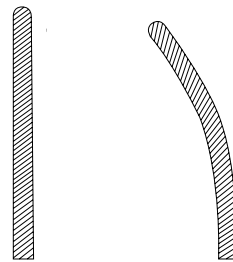
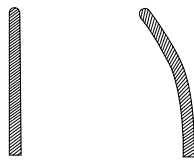
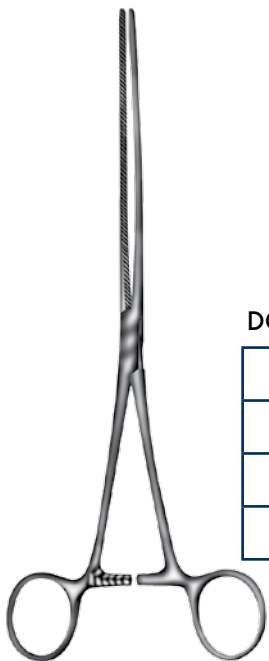
13 mm / 18 cm	<b>64.170.18</b>
13 mm / 20 cm	<b>64.170.20</b>
25 mm / 20 cm	<b>64.172.20</b>
25 mm / 23 cm	<b>64.172.23</b>
25 mm / 20 cm	<b>64.174.20 TC</b>



**DUVAL**  
64.170.18 - **64.174.20 TC**

**WILLIAMS**  
64.180.16  
16.5 cm

**SCHOENBURG**  
64.182.22  
22 cm



**DOYEN - baby**

16 cm		
18 cm	<b>64.210.18</b>	<b>64.211.18</b>
21 cm		
23 cm		

**DOYEN**

<b>64.210.21</b>	<b>64.211.21</b>
<b>64.210.23</b>	<b>64.211.23</b>

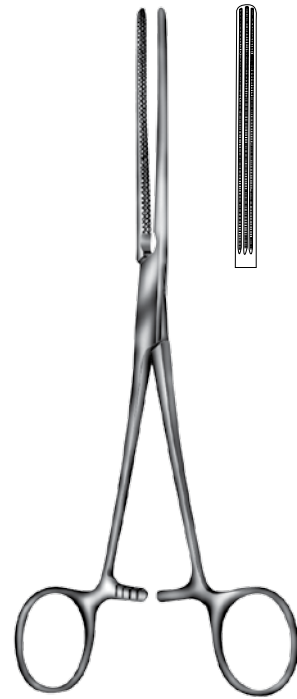
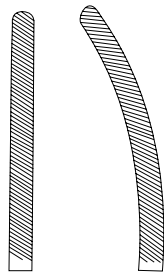
**DOYEN atraumatic**

<b>64.216.16</b>	<b>64.217.16</b>
<b>64.216.18</b>	<b>64.217.18</b>
<b>64.216.21</b>	<b>64.217.21</b>
<b>64.216.23</b>	<b>64.217.23</b>

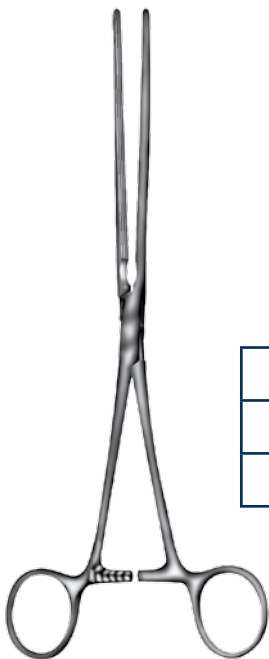
**DOYEN - baby**  
64.210.18 - 64.217.23  
*intestinal forceps*



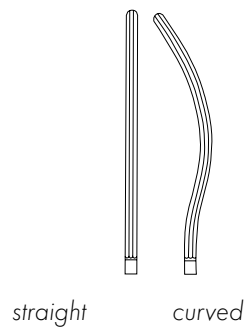
64.212.20 64.213.20



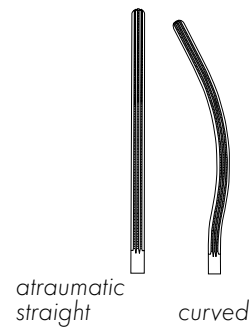
**HARTMANN**  
 64.218.20 - 64.219.20  
 20 cm



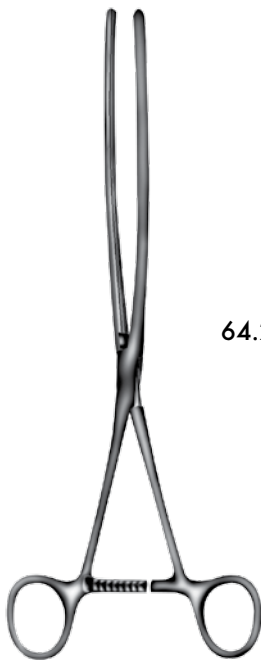
**KOCHER**  
 64.220.22 - 64.227.28



	straight	curved
22 cm	64.220.22	64.221.22
25 cm	64.220.25	64.221.25
28 cm	64.220.28	64.221.28



	atraumatic straight	curved
	64.226.22	64.227.22
	64.226.25	64.227.25
	64.226.28	64.227.28

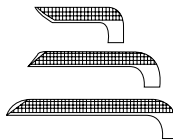
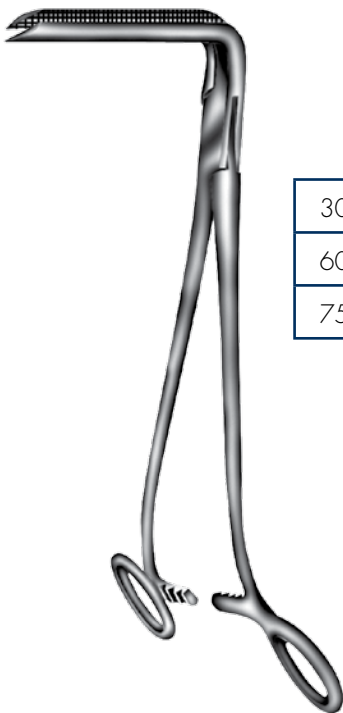


64.230.25 64.231.25 64.236.25 64.237.25  
*atraumatic*

**MAYO ROBSON**  
64.230.25 - 64.237.25  
25 cm

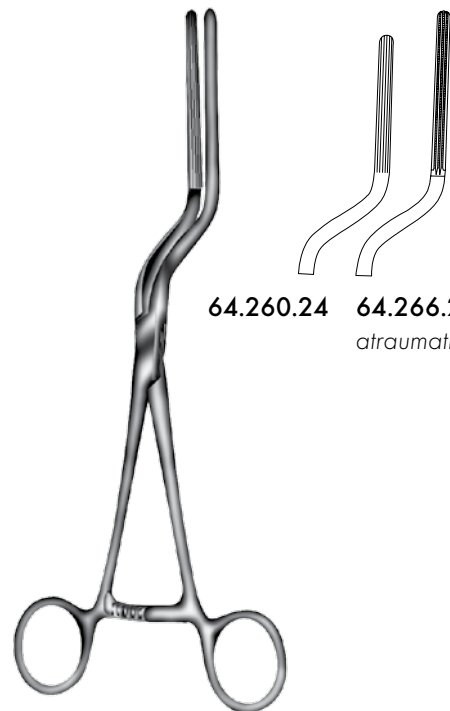


**FEHLAND**  
64.241.23 64.247.23  
23.5 cm *atraumatic*  
24 cm



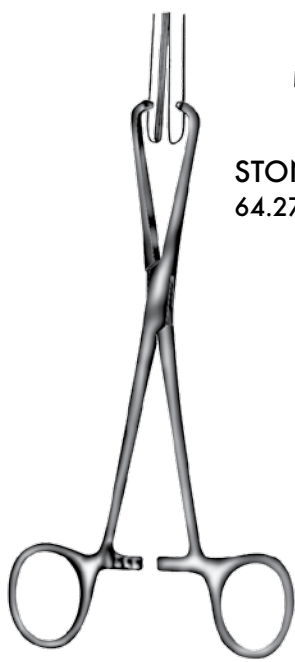
30 mm	<b>64.251.30</b>
60 mm	<b>64.251.60</b>
75 mm	<b>64.251.75</b>

**BEST**  
64.251.30 - 64.251.75  
*intestinal and stomach clamps*  
26.5 cm

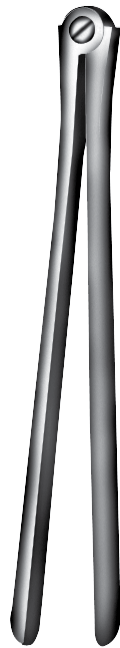
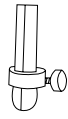


64.260.24 64.266.24  
*atraumatic*

**BRUNNER**  
64.260.24 - 64.266.24  
24 cm



**STONE WATT**  
 64.274.00



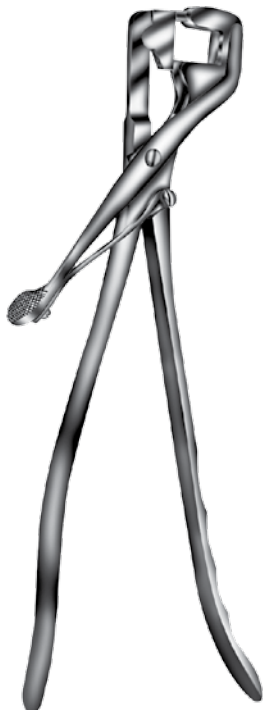
**64.280.05** 5 cm  
**64.280.07** 7 cm  
**64.280.10** 10 cm



**STONE**  
 64.270.15  
 15.5 cm

**STONE WATT**  
 64.272.07 64.272.10  
 7.5 cm 10 cm

**DE MARTEL WOLFSON**  
 64.280.05 - 64.280.10  
 set 3



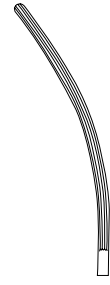
**DE MARTEL WOLFSON**  
 64.282.26  
*anastomosis clamps and accesories*  
 26 cm



**DE MARTEL WOLFSON**  
 64.284.08 64.284.23  
 8.5 cm 23 cm



64.290.30



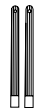
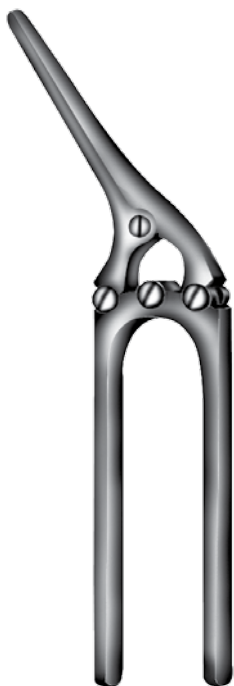
64.291.30

**LANE**

64.290.30 - 64.291.30

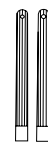
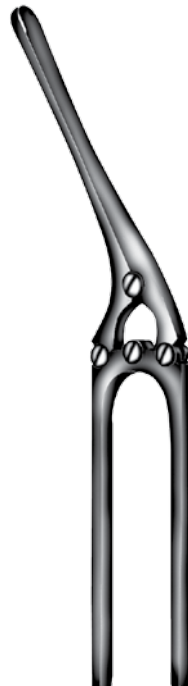
stomach clamp

30 cm



64.310.15

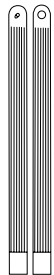
15 cm



64.310.21  
21 cm



64.310.29  
29 cm



64.310.35  
35 cm

**PAYR baby**

64.310.15

15 cm

**PAYR**

64.310.21 - 64.310.35

stomach clamps



**VON PETZ**

**64.320.00**

*stomach and intestinal suturing apparatus  
complete*



**64.321.00 T**

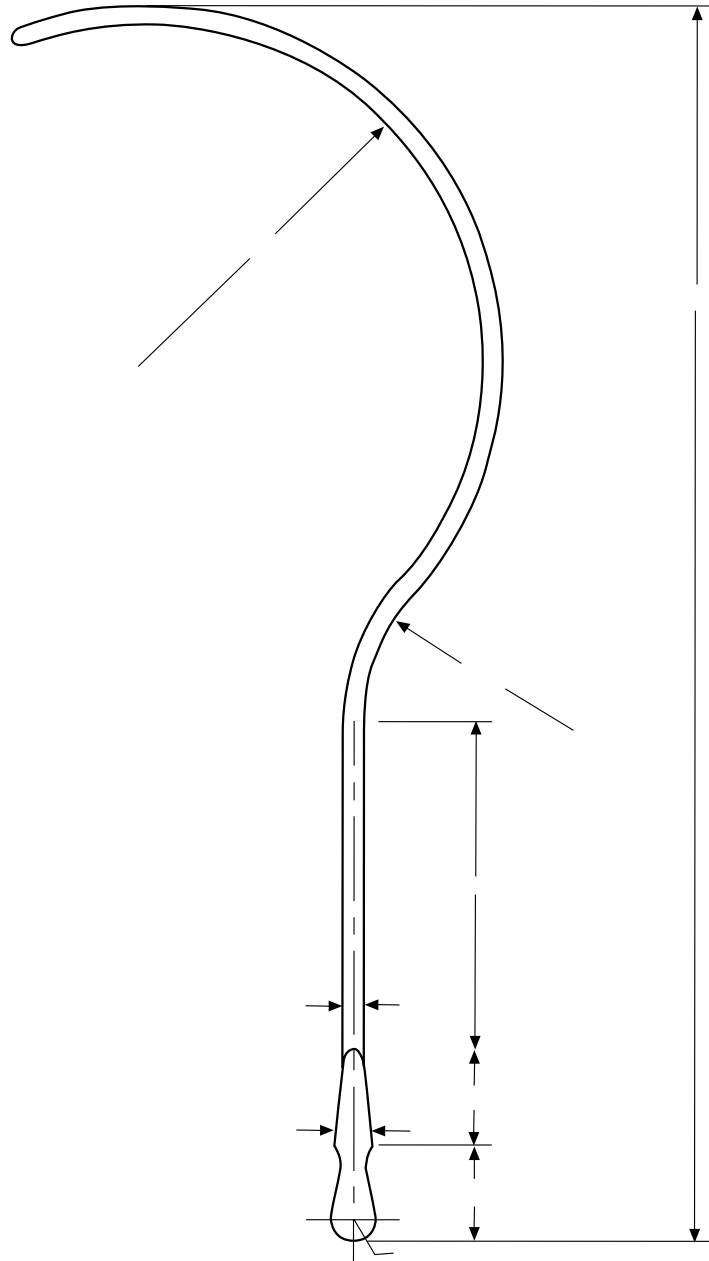
300 each

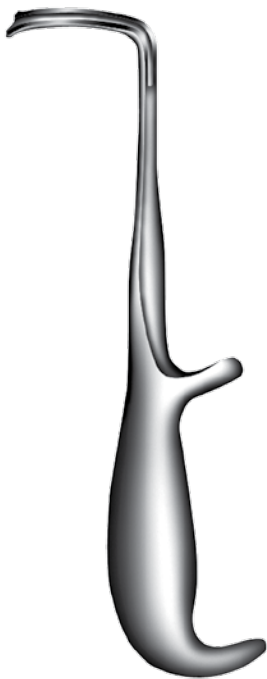




# 66

**Urology**  
Urologie  
Urología

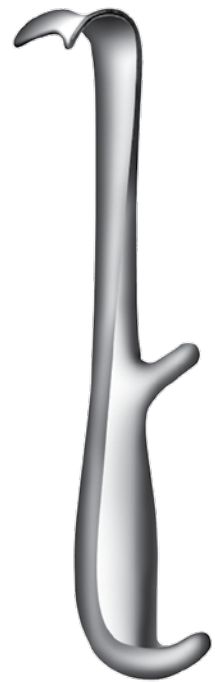




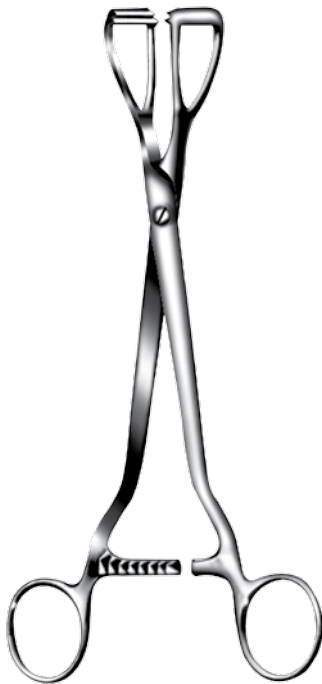
**YOUNG**  
**66.101.21**  
21 cm



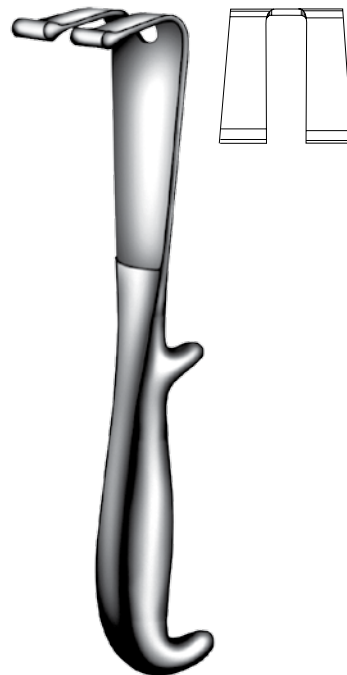
**YOUNG**  
**66.103.22**  
22 cm



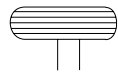
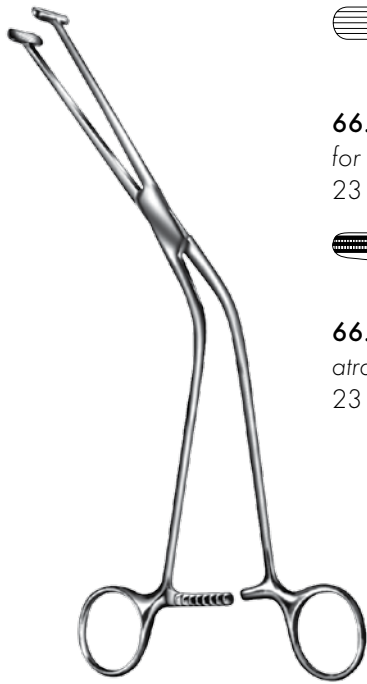
**YOUNG**  
**66.105.21**  
21 cm



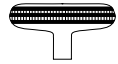
**YOUNG**  
**66.106.20**  
20 cm



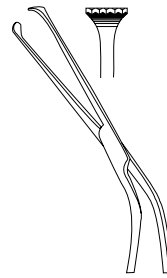
**YOUNG**  
**66.107.21**  
21 cm



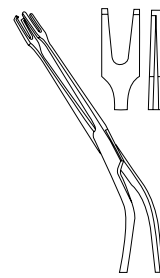
**66.111.23**  
*for the capsule*  
23 cm



**66.117.23**  
*atraumatic for the capsule*  
23 cm



**66.123.23**  
*anterior lobe*  
23 cm



**66.125.24**  
*ligature carrier*  
24 cm

**MILLIN**  
66.111.23 - 66.125.24



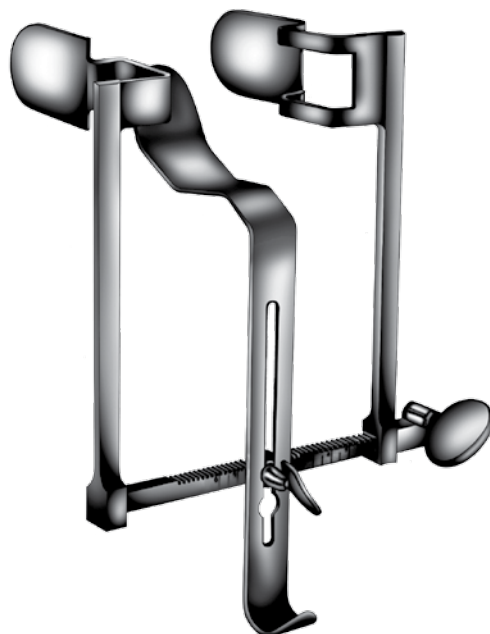
**LEGUEU**  
**66.147.27**  
27 cm



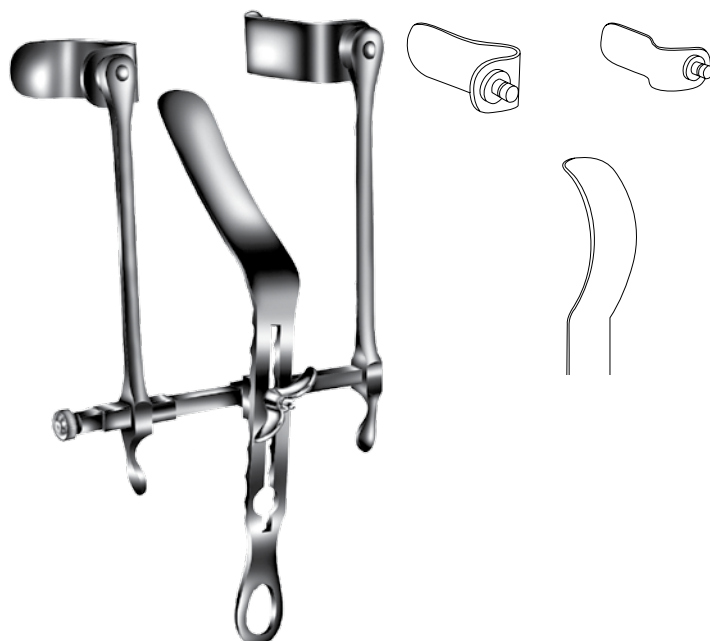
**KOCHER**  
**66.149.27**  
26 cm



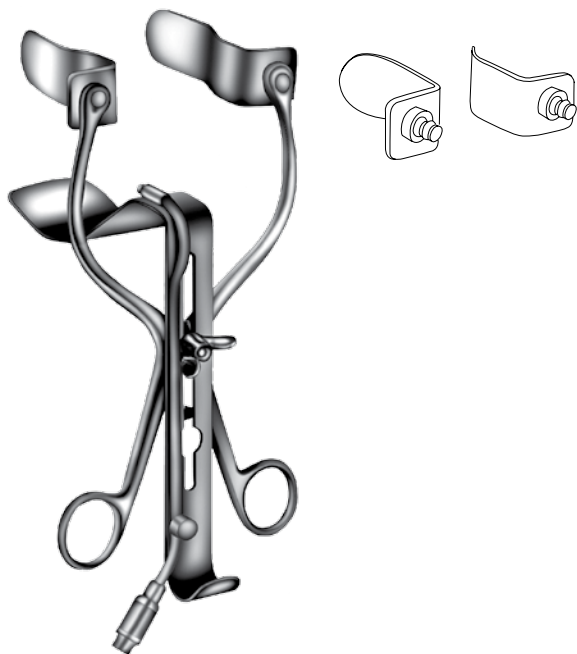
**JUDD MASSON**  
66.150.00



**HRYNTSCHAK**  
66.152.08      66.152.11  
*complete for child*      *complete for adult*



**THOMSON WALKER**  
66.160.00



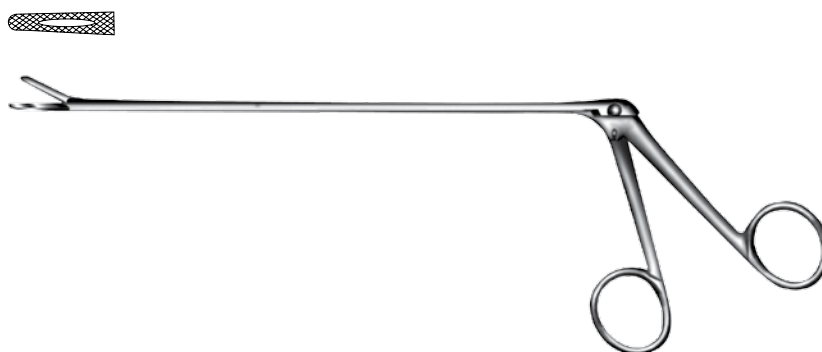
**MILLIN**  
66.162.00 with blades    66.162.50 with blades and cold light    66.162.51 cold light for 66.162.00



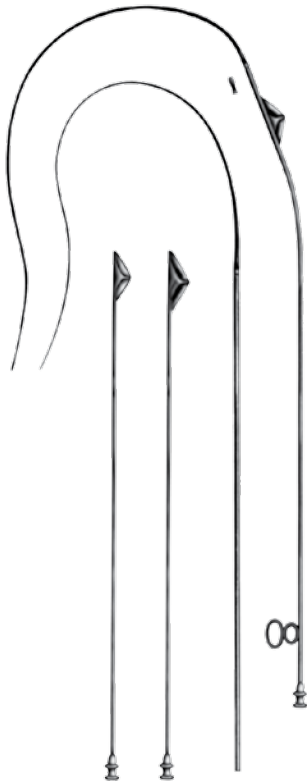
**LEGUEU**  
66.163.00



**MILLIN**  
66.165.00  
28 cm



**MATHIEU**  
66.168.20 20 cm    66.168.28 28 cm



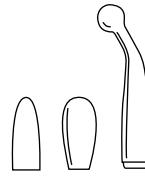
**MAISONNEUVE**

66.170.00

set complete

66.170.01

wooden case



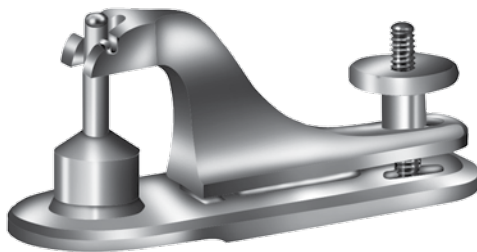
**OTIS**

66.172.00



**OTIS**

66.172.01



**CIRCUNCISION INSTRUMENT**

66.172.08 - 66.172.35

8 ømm	66.172.08
11 ømm	66.172.11
13 ømm	66.172.13
14.5 ømm	66.172.14
16 ømm	66.172.16
21 ømm	66.172.21
26 ømm	66.172.26
29 ømm	66.172.29
32 ømm	66.172.32
35 ømm	66.172.35



**STOCKMANN**

66.175.08

8 cm



**STRAUSS**

66.177.11

11 cm



**GUTMANN**  
66.180.26  
26.5 cm



**66.184.39**  
39 cm



**66.185.35**  
35 cm

**GUYON**  
66.184.39 - 66.185.35



**GUYON**  
66.200.00  
urethral dilatation  
set complete



**66.201.00**  
set complete

**VAN BUREN**  
66.201.00 - 66.201.36  
27.5 cm

*Charr./F.G.*

6	66.201.06
8	66.201.08
10	66.201.10
12	66.201.12
14	66.201.14
16	66.201.16
18	66.201.18
20	66.201.20
22	66.201.22
24	66.201.24
26	66.201.26
28	66.201.28
30	66.201.30
32	66.201.32
34	66.201.34
36	66.201.36





**GUYON**  
66.205.08 - 66.205.40  
27 cm

Charr./F.G.

8	66.205.08
10	66.205.10
11	66.205.11
12	66.205.12
13	66.205.13
14	66.205.14
15	66.205.15
16	66.205.16
17	66.205.17
18	66.205.18
19	66.205.19
20	66.205.20
21	66.205.21
22	66.205.22
23	66.205.23
24	66.205.24

25	66.205.25
26	66.205.26
27	66.205.27
28	66.205.28
29	66.205.29
30	66.205.30
31	66.205.31
32	66.205.32
33	66.205.33
34	66.205.34
35	66.205.35
36	66.205.36
37	66.205.37
38	66.205.38
39	66.205.39
40	66.205.40

Charr./F.G.



**CATETER MEN**  
66.211.08 - 66.211.24  
15.5 cm

8	66.211.08
10	66.211.10
12	66.211.12
14	66.211.14
16	66.211.16
18	66.211.18
20	66.211.20
22	66.211.22
24	66.211.24



**CATETER WOMAN**  
66.213.08 - 66.213.24  
15.5 cm

Charr./F.G.

8	66.213.08
10	66.213.10
12	66.213.12
14	66.213.14
16	66.213.16
18	66.213.18
20	66.213.20
22	66.213.22
24	66.213.24



**COXETER**  
66.219.08 - 66.219.24

Charr./F.G.

8	66.219.08
10	66.219.10
12	66.219.12
14	66.219.14
16	66.219.16
18	66.219.18
20	66.219.20
22	66.219.22
24	66.219.24



**66.220.00**  
set complete

**DITTEL**  
66.220.00 - 66.220.30  
22 cm

Charr./F.G.

6	<b>66.220.06</b>	20	<b>66.220.20</b>
7	<b>66.220.07</b>	21	<b>66.220.21</b>
8	<b>66.220.08</b>	22	<b>66.220.22</b>
9	<b>66.220.09</b>	23	<b>66.220.23</b>
10	<b>66.220.10</b>	24	<b>66.220.24</b>
11	<b>66.220.11</b>	25	<b>66.220.25</b>
12	<b>66.220.12</b>	26	<b>66.220.26</b>
13	<b>66.220.13</b>	27	<b>66.220.27</b>
14	<b>66.220.14</b>	28	<b>66.220.28</b>
15	<b>66.220.15</b>	29	<b>66.220.29</b>
16	<b>66.220.16</b>	30	<b>66.220.30</b>
17	<b>66.220.17</b>		
18	<b>66.220.18</b>		
19	<b>66.220.19</b>		

Charr./F.G.



**66.221.00**  
set complete

**WALTHER**  
66.221.00 - 66.221.38

12	<b>66.221.12</b>
14	<b>66.221.14</b>
16	<b>66.221.16</b>
18	<b>66.221.18</b>
20	<b>66.221.20</b>
22	<b>66.221.22</b>
24	<b>66.221.24</b>
26	<b>66.221.26</b>
28	<b>66.221.28</b>
30	<b>66.221.30</b>
32	<b>66.221.32</b>
34	<b>66.221.34</b>
36	<b>66.221.36</b>
38	<b>66.221.38</b>

Charr./F.G.



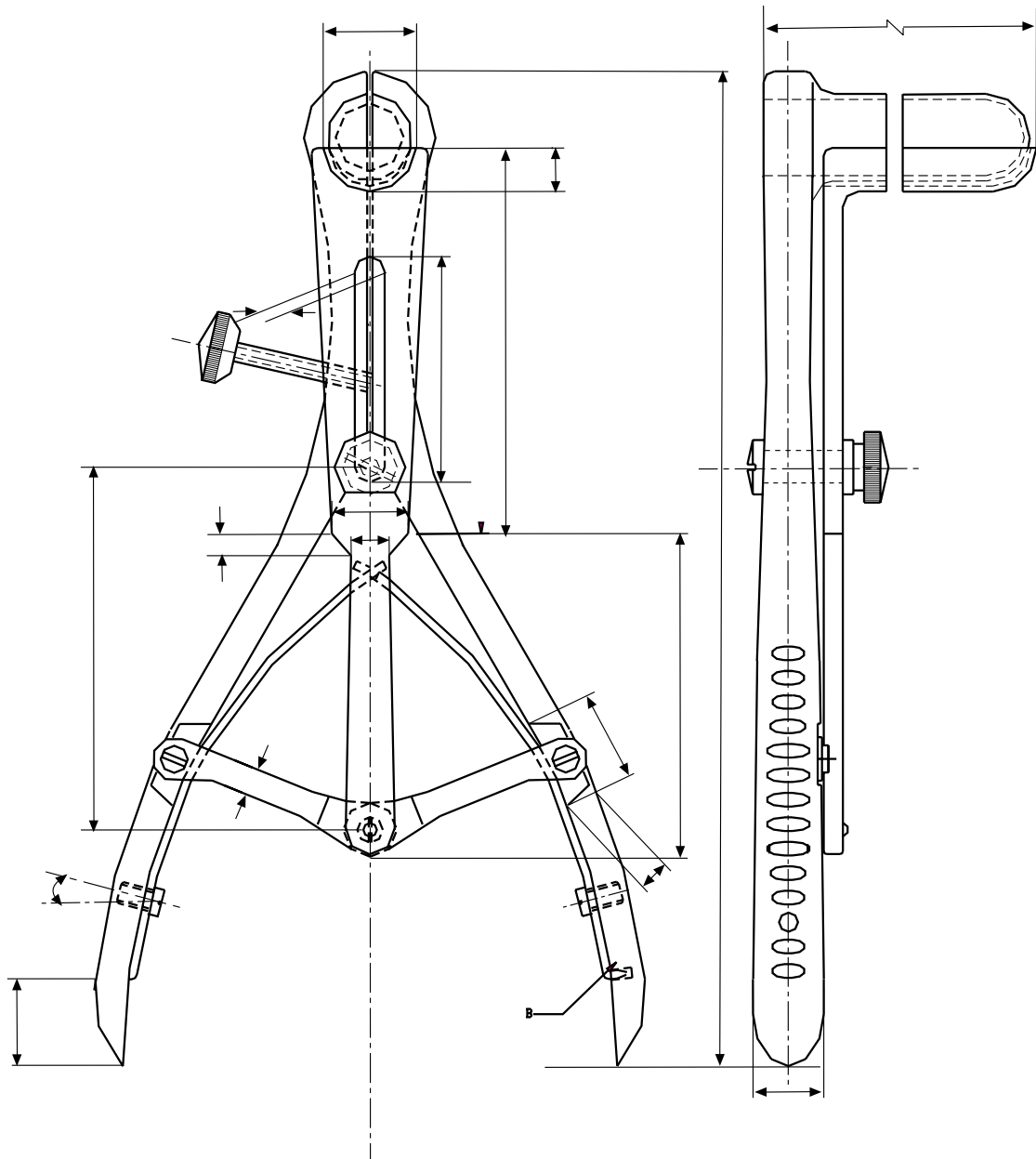
**DITTEL**  
66.223.08 - 66.223.30  
22 cm

8	<b>66.223.08</b>	20	<b>66.223.20</b>
9	<b>66.223.09</b>	21	<b>66.223.21</b>
10	<b>66.223.10</b>	22	<b>66.223.22</b>
11	<b>66.223.11</b>	23	<b>66.223.23</b>
12	<b>66.223.12</b>	24	<b>66.223.24</b>
13	<b>66.223.13</b>	25	<b>66.223.25</b>
14	<b>66.223.14</b>	26	<b>66.223.26</b>
15	<b>66.223.15</b>	27	<b>66.223.27</b>
16	<b>66.223.16</b>	28	<b>66.223.28</b>
17	<b>66.223.17</b>	29	<b>66.223.29</b>
18	<b>66.223.18</b>	30	<b>66.223.30</b>
19	<b>66.223.19</b>		



# 68

## Rectum Mastdarm Recto





**CZERNY**  
**68.105.22**  
22 cm



**SIMS**  
**68.110.15**  
15 cm



**BODENHAMMER**  
**68.115.15**  
15 cm



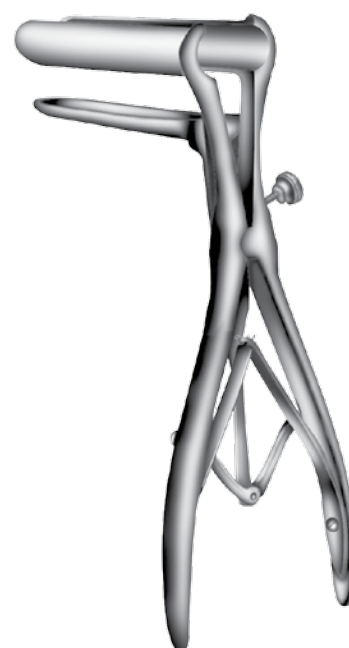
**SIMS**  
**68.117.15**  
*cold light*  
15 cm



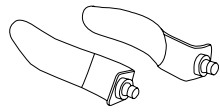
**PRATT**  
**68.121.00**  
20.5 cm



**BARR**  
**68.125.17**  
70 x 22 mm  
17 cm



**MATHIEU**  
**68.130.19**  
90 x 15 mm  
19.5 cm



**68.147.09**  
95 X 22 mm  
left  
**68.147.15**  
right  
105 X 23 mm



**ALAN PARKS**  
**68.147.00**  
complete  
13.5 cm

**ALAN PARKS**  
**68.148.00**  
cold light attachment  
for 68.147.00

**SMITH BUIE**  
**68.150.15**  
75 x 23 mm  
15 cm



**STRAUSS**  
**68.160.00**  
complete

**STRAUSS**  
**68.161.00**  
cold light complete

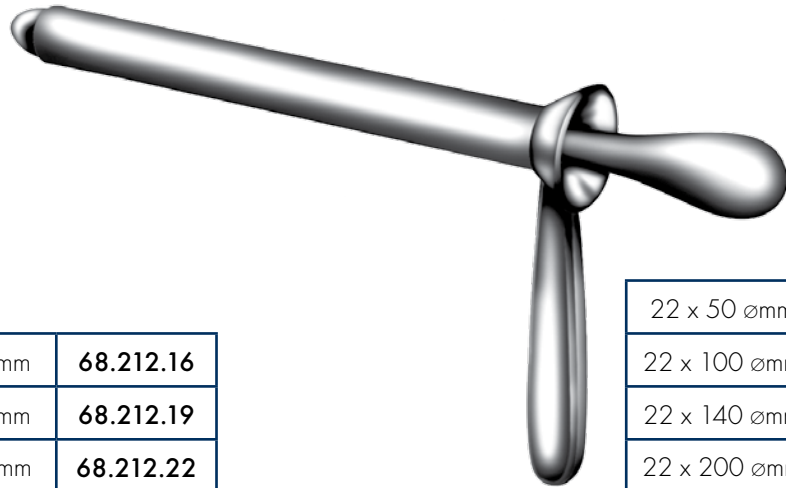


**IVES-FANSLER**  
**68.210.22**  
ø 22 mm  
L = 80 mm



16 ømm	<b>68.212.16</b>
19 ømm	<b>68.212.19</b>
22 ømm	<b>68.212.22</b>

**HIRSCHMANN**  
**68.212.16 - 68.212.22**  
L = 65 mm



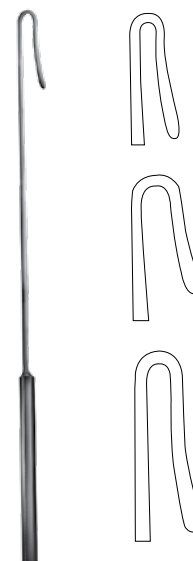
22 x 50 ømm	<b>68.220.05</b>
22 x 100 ømm	<b>68.220.10</b>
22 x 140 ømm	<b>68.220.14</b>
22 x 200 ømm	<b>68.220.20</b>

**KELLY**  
**68.220.05 - 68.220.20**



21 ømm	<b>68.224.21</b>
27 ømm	<b>68.224.27</b>

**KELLY**  
**68.224.21 - 68.224.27**  
L = 50 mm



**68.251.01**  
*fig. 1*

**68.251.02**  
*fig. 2*

**68.251.03**  
*fig. 3*

**PRATT**  
**68.251.01 - 68.251.03**  
cystic hooks  
21 cm



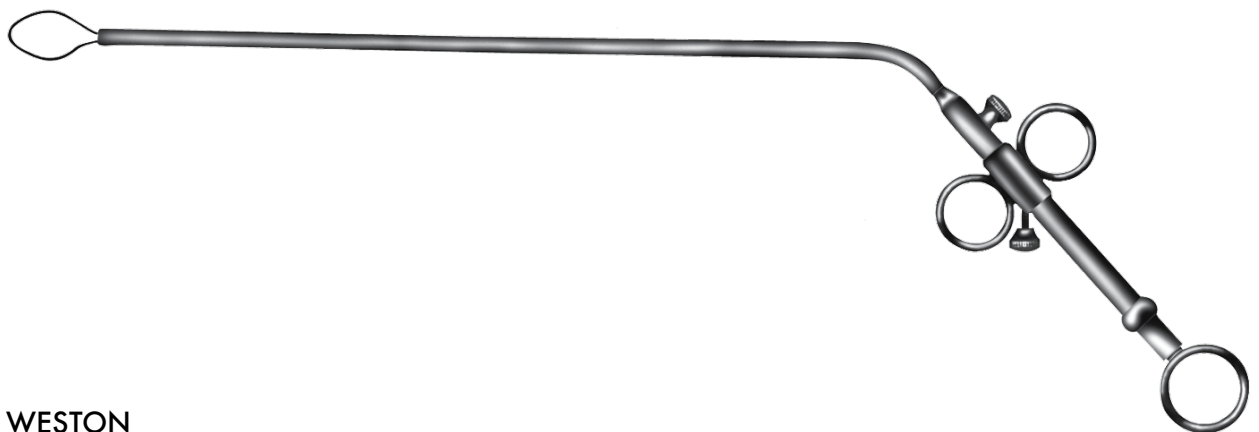
**68.253.24**  
24 cm



**STUEWART**  
**68.254.22**  
22 cm



**BUIE**  
**68.261.41**  
41 cm

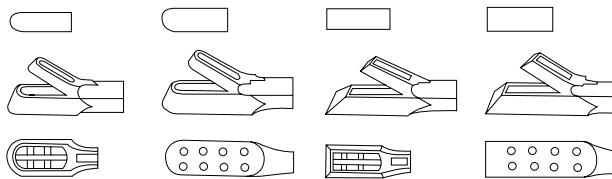


**WESTON**  
**68.263.30**  
30 cm





**YEOMAN**  
**68.301.23 - 68.304.42**  
*biopsy specimen forceps*



*fig. 1*

*fig. 2*

*fig. 3*

*fig. 4*

28 cm	<b>68.301.28</b>	<b>68.302.28</b>	<b>68.303.28</b>	<b>68.304.28</b>
35 cm	<b>68.301.35</b>	<b>68.302.35</b>	<b>68.303.35</b>	<b>68.304.35</b>
42 cm	<b>68.301.42</b>	<b>68.302.42</b>	<b>68.303.42</b>	<b>68.304.42</b>



**YEOMAN**  
**68.311.23 - 68.311.40**  
*rotatable*



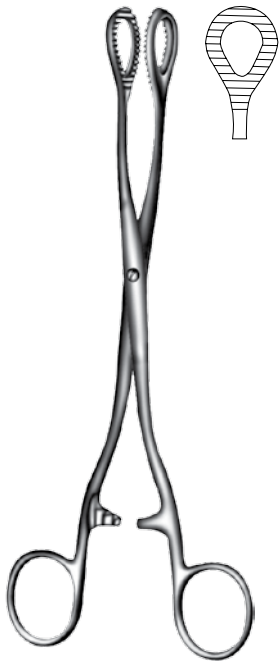
23 cm	<b>68.311.23</b>
33 cm	<b>68.311.33</b>
40 cm	<b>68.311.40</b>



**TURREL**  
**68.321.23 - 68.321.40**  
*rotatable*



23 cm	<b>68.321.23</b>
33 cm	<b>68.321.33</b>
40 cm	<b>68.321.40</b>



**HEYWOOD SMITH**  
**68.402.21**  
21 cm



**68.420.00**      **68.420.01**  
*haemorrhoidal ligator*    *only*  
*complet*



**68.420.02**  
*loading cone*



**68.420.03**  
10 x 11 mm    **McGIVNEY**  
**68.420.04**    **68.430.00**  
10 x 16 mm    *ligator*





**RUDD**  
68.432.00  
31.5 cm



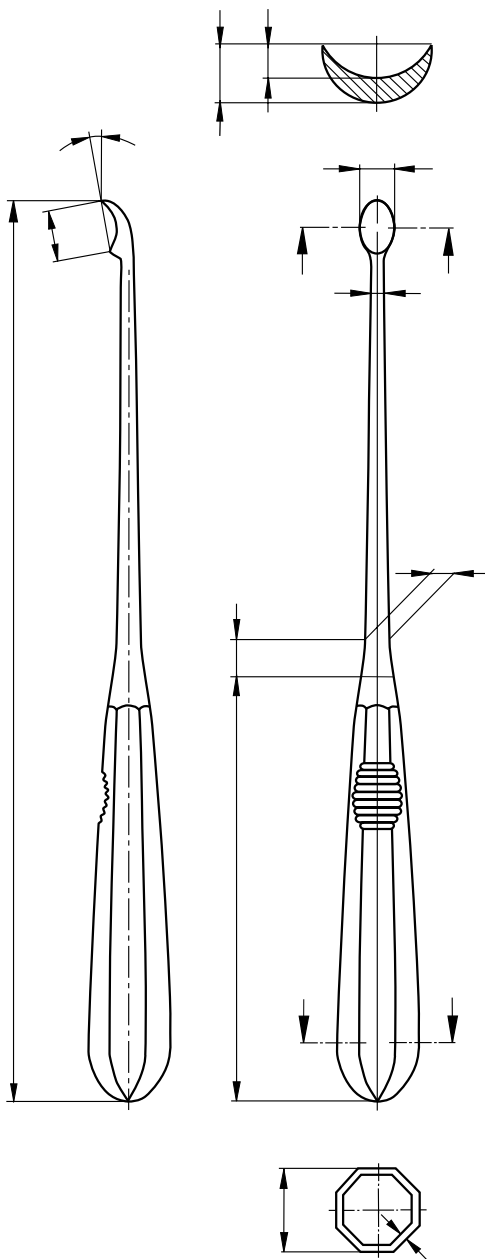
**68.433.00**  
100 rings



**McGIVNEY**  
68.439.19  
19 cm

# 70

**Gynecology**  
Gynäkologie  
Ginecología





**GRAVE**

	<i>standard</i>	<i>laser</i>	<i>smoke evacuator</i>
75 x 20 mm	<b>70.110.01</b>		<b>70.115.01</b>
95 x 35 mm	<b>70.110.02</b>	<b>70.114.02</b>	<b>70.115.02</b>
115 x 35 mm	<b>70.110.03</b>	<b>70.114.03</b>	<b>70.115.03</b>



**PEDERSON**  
**70.122.10**  
100 x 16 mm

**PEDERSON**

75 x 13 mm	<b>70.120.01</b>
100 x 22 mm	<b>70.120.02</b>
120 x 25 mm	<b>70.120.03</b>



**COLLIN**  
70.130.01 - 70.130.03

90 x 29 mm	<b>70.130.01</b>
95 x 35 mm	<b>70.130.02</b>
110 x 40 mm	<b>70.130.03</b>



**COLLIN**  
**70.131.00**  
65 x 20 mm



**COLLIN**  
70.132.00  
65 x 10 mm

**CUSCO**

	standard	laser
77 x 17 mm	<b>70.140.00</b>	
75 x 35 mm	<b>70.140.01</b>	
86 x 36 mm	<b>70.140.02</b>	<b>70.144.02</b>
97 x 36 mm	<b>70.140.03</b>	<b>70.144.03</b>



**CUSCO**  
70.142.00  
75 x 17 mm

**CUSCO**  
70.150.00 - 70.151.00

77 x 17 mm	<b>70.150.00</b>
77 x 33 mm	<b>70.150.01</b>
85 x 36 mm	<b>70.150.02</b>
95 x 36 mm	<b>70.150.03</b>
110 x 37 mm	<b>70.150.04</b>
110 x 37 mm	<b>70.151.00</b>



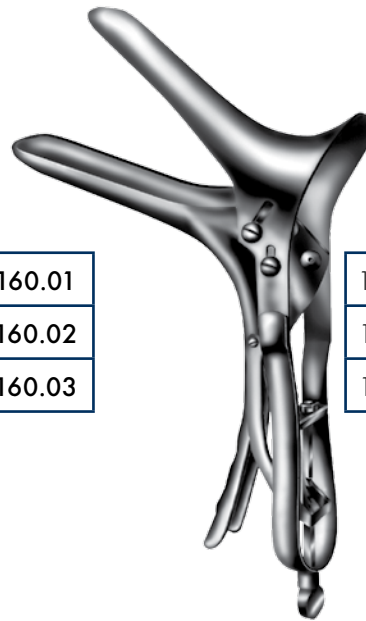
80 x 32 mm	<b>70.152.01</b>
90 x 37 mm	<b>70.152.02</b>
115 x 37 mm	<b>70.152.03</b>

**CUSCO**  
70.152.01 - 70.152.03



90 x 23 - 25 mm	<b>70.160.01</b>
100 x 24 - 27 mm	<b>70.160.02</b>
105 x 27 - 30 mm	<b>70.160.03</b>

**CUSCO**  
70.160.01 - 70.160.03  
*swiss pattern*



100 x 17 mm	<b>70.170.01</b>
110 x 33 mm	<b>70.170.02</b>
110 x 33 mm	<b>70.171.03</b>

**SEYFFERT**  
70.170.01 - 70.171.03



85 x 33 mm	<b>70.180.01</b>
95 x 35 mm	<b>70.180.02</b>
115 x 43 mm	<b>70.180.03</b>

**TRELAT**  
70.180.01 - 70.180.03

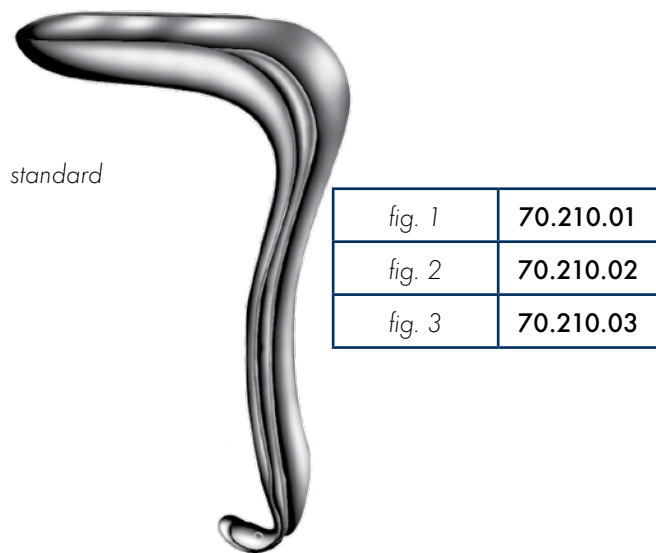


**SEMM**  
70.190.01  
100 mm/27 - 25 mm

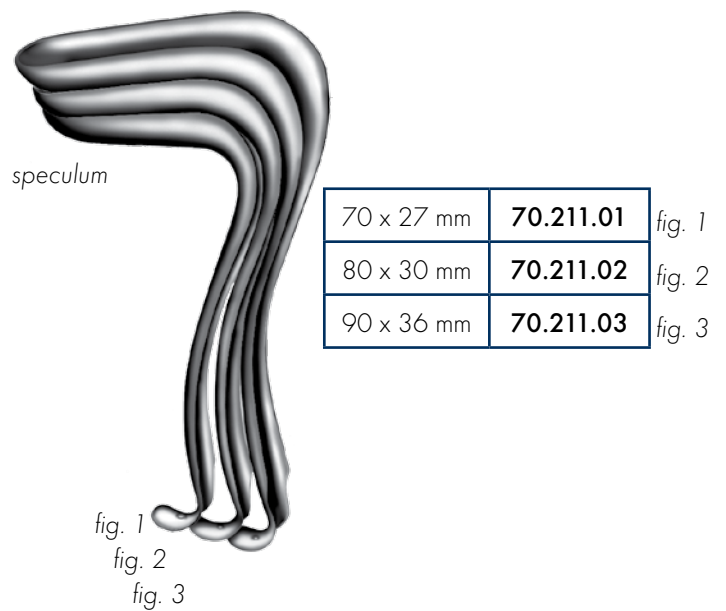


**O'SULLIVAN O'CONNOR**  
70.196.00

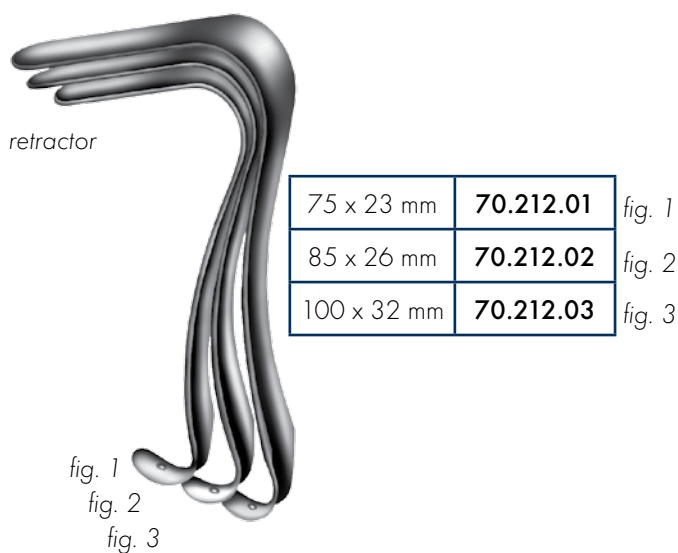
**70.190.02**  
100 mm/27 - 35 mm



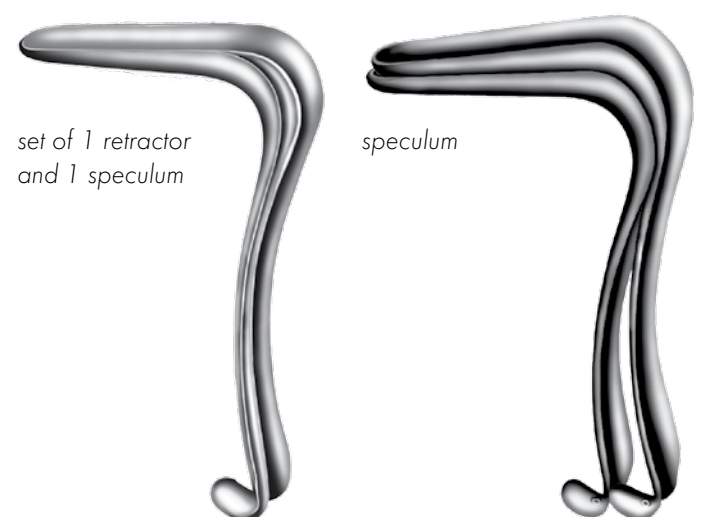
**KRISTELLER**  
70.210.01 - 70.210.03  
set of 1 retractor and 1 speculum



**KRISTELLER**  
70.211.01 - 70.211.03



**KRISTELLER**  
70.212.01 - 70.212.03



**KRISTELLER**  
70.220.01  
fig. 1

**70.220.02**  
fig. 2

**KRISTELLER**  
70.221.01  
105 x 18 mm

**70.221.02**  
105 x 21 mm

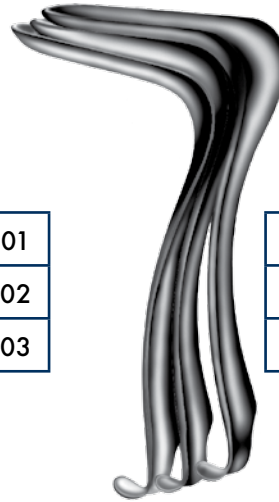




retractor



fig. 1	70.230.01
fig. 2	70.230.02
fig. 3	70.230.03



105 x 33 mm	70.231.01
105 x 28 mm	70.231.02
105 x 33 mm	70.231.03

**KRISTELLER**  
70.222.01 70.222.02  
110 x 14 mm 115 x 17 mm

**KRISTELLER**  
70.230.01 - 70.230.03  
set of 1 retractor  
and 1 speculum

**KRISTELLER**  
70.231.01 - 70.231.03  
speculum



115 x 22 mm	70.232.01
115 x 24 mm	70.232.02
115 x 29 mm	70.232.03

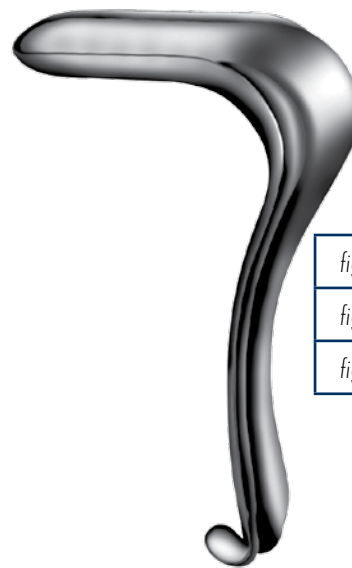
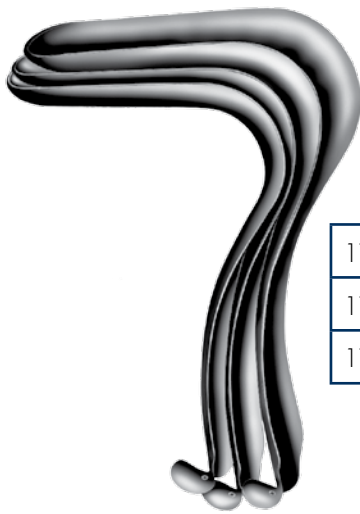


fig. 1	70.240.01
fig. 2	70.240.02
fig. 3	70.240.03

**KRISTELLER**  
70.232.01 - 70.232.03  
retractor

**KRISTELLER**  
70.240.01 - 70.240.03  
set of 1 retractor  
and 1 speculum



110 x 27 mm	<b>70.241.01</b>
110 x 30 mm	<b>70.241.02</b>
110 x 36 mm	<b>70.241.03</b>

**KRISTELLER**  
**70.241.01 - 70.241.03**  
*speculum*



115 x 23 mm	<b>70.242.01</b>
115 x 26 mm	<b>70.242.02</b>
115 x 32 mm	<b>70.242.03</b>

**KRISTELLER**  
**70.242.01 - 70.242.03**  
*retractor*



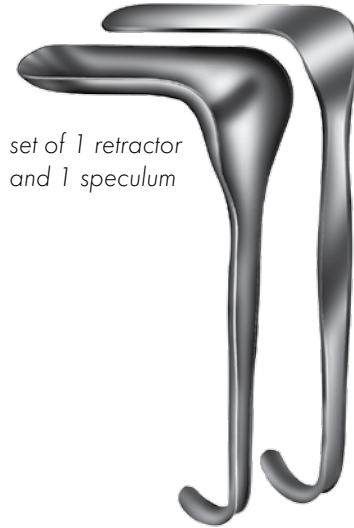
**KRISTELLER**  
**70.244.00**  
70 x 15 mm



**KRISTELLER**  
**70.245.00 70.246.00**  
*speculum retractor*  
70 x 15 mm 70 x 15 mm



**KRISTELLER KRISTELLER KRISTELLER**  
**70.250.00 70.251.00 70.252.00**  
*set* 135 x 36 mm 140 x 30 mm



set of 1 retractor  
and 1 speculum

	set	speculum
70 x 40 mm	<b>70.260.01</b>	<b>70.261.01</b>
90 x 40 mm	<b>70.260.02</b>	<b>70.261.02</b>

retractor	
70 x 33 mm	<b>70.262.01</b>
90 x 33 mm	<b>70.262.02</b>

### SEIDL

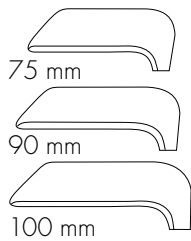
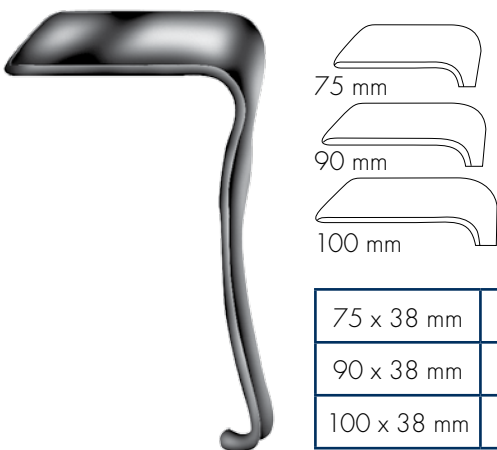
70.258.08 - 70.258.14

<b>70.258.08</b>	<b>70.258.10</b>	<b>70.258.14</b>
80 x 8 mm	80 x 10 mm	90 x 14 mm
fig. 1	fig. 2	fig. 3

### KALLMORGEN

70.260.01 - 70.262.02

21 cm



75 x 38 mm	<b>70.271.01</b>
90 x 38 mm	<b>70.271.02</b>
100 x 38 mm	<b>70.271.03</b>



small	<b>70.281.01</b>
medium	<b>70.281.02</b>
large	<b>70.281.03</b>

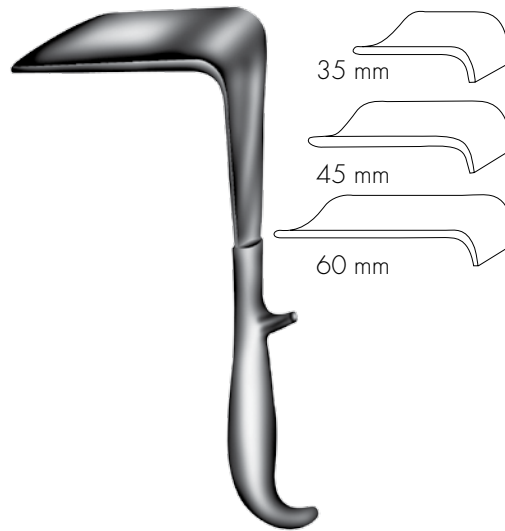
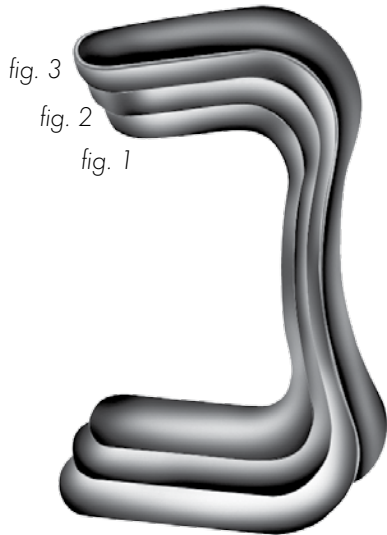
### JACKSON

70.271.01 - 70.271.03

16 cm

### SIMS

70.281.01 - 70.281.03



55 x 35 mm	<b>70.301.01</b>
85 x 35 mm	<b>70.301.02</b>
115 x 35 mm	<b>70.301.03</b>
55 x 45 mm	<b>70.303.01</b>
85 x 45 mm	<b>70.303.02</b>
115 x 45 mm	<b>70.303.03</b>
160 x 45 mm	<b>70.303.04</b>
55 x 60 mm	<b>70.305.01</b>
85 x 60 mm	<b>70.305.02</b>
115 x 60 mm	<b>70.305.03</b>
160 x 60 mm	<b>70.305.04</b>

**SIMS**

70.291.00 - 70.291.03

set	<b>70.291.00</b>	
65x25/70x30	<b>70.291.01</b>	fig. 1
70x30/70x35	<b>70.291.02</b>	fig. 2
85x35/90x40	<b>70.291.03</b>	fig. 3

**DOYEN**

70.301.01 - 70.305.04



small	<b>70.341.01</b>
medium	<b>70.304.02</b>
large	<b>70.304.03</b>

**EASTMAN**

70.304.01 - 70.304.03



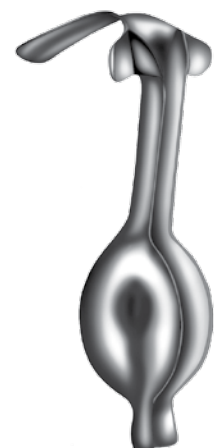
**AUVARD**

70.307.00

detachable weight

70.309.00

fixed weight



**AUVARD**

70.309.25



100 x 20 mm	<b>70.310.20</b>
100 x 25 mm	<b>70.310.25</b>
100 x 30 mm	<b>70.310.30</b>
100 x 35 mm	<b>70.310.35</b>
100 x 40 mm	<b>70.310.40</b>
130 x 20 mm	<b>70.313.20</b>
130 x 25 mm	<b>70.313.25</b>
130 x 30 mm	<b>70.313.30</b>
130 x 35 mm	<b>70.313.35</b>
130 x 40 mm	<b>70.313.40</b>
155 x 40 mm	<b>70.315.40</b>

**BREISKY**  
70.310.20 - 70.315.40



**LANDAU**  
70.319.28      70.319.38  
100 x 28 mm      100 x 38 mm



**FRIEDMANN**  
70.351.10  
10 cm



**KOGAN**  
70.366.24

*laser*  
2 / 4 mm

**70.366.48**

*laser*  
4 / 8 mm

**KOGAN**  
70.360.24      70.364.24  
*standard*      *laser*  
24 cm      24 cm



**HEGAR**  
70.410.01 - 70.415.16

**70.404.14**  
set 14 pieces 70.410.04 - 70.410.17

**70.404.26**  
set 26 pieces 70.410.01 - 70.410.26

1 mm	<b>70.410.01</b>	12.5 mm	<b>70.415.12</b>
1.5 mm	<b>70.415.01</b>	13 mm	<b>70.410.13</b>
2 mm	<b>70.410.02</b>	13.5 mm	<b>70.415.13</b>
2.5 mm	<b>70.415.02</b>	14 mm	<b>70.410.14</b>
3 mm	<b>70.410.03</b>	14.5 mm	<b>70.415.14</b>
3.5 mm	<b>70.415.03</b>	15 mm	<b>70.410.15</b>
4 mm	<b>70.410.04</b>	15.5 mm	<b>70.415.15</b>
4.5 mm	<b>70.415.04</b>	16 mm	<b>70.410.16</b>
5 mm	<b>70.410.05</b>	16.5 mm	<b>70.415.16</b>
5.5 mm	<b>70.415.05</b>	17 mm	<b>70.410.17</b>
6 mm	<b>70.410.06</b>	18 mm	<b>70.410.18</b>
6.5 mm	<b>70.415.06</b>	19 mm	<b>70.410.19</b>
7 mm	<b>70.410.07</b>	20 mm	<b>70.410.20</b>
7.5 mm	<b>70.415.07</b>	21 mm	<b>70.410.21</b>
8 mm	<b>70.410.08</b>	22 mm	<b>70.410.22</b>
8.5 mm	<b>70.415.08</b>	23 mm	<b>70.410.23</b>
9 mm	<b>70.410.09</b>	24 mm	<b>70.410.24</b>
9.5 mm	<b>70.415.09</b>	25 mm	<b>70.410.25</b>
10 mm	<b>70.410.10</b>	26 mm	<b>70.410.26</b>
10.5 mm	<b>70.415.10</b>	27 mm	<b>70.410.27</b>
11 mm	<b>70.410.11</b>	28 mm	<b>70.410.28</b>
11.5 mm	<b>70.415.11</b>	29 mm	<b>70.410.29</b>
12 mm	<b>70.410.12</b>	30 mm	<b>70.410.30</b>



**HEGAR**  
70.405.14  
set 14 pieces



**HEGAR**  
70.406.14  
set 14 pieces 4 - 17 mm

**70.406.26**  
set 26 pieces 1 - 26 mm



1 / 2 mm	<b>70.420.01</b>
3 / 4 mm	<b>70.420.03</b>
5 / 6 mm	<b>70.420.05</b>
7 / 8 mm	<b>70.420.07</b>
9 / 10 mm	<b>70.420.09</b>
11 / 12 mm	<b>70.420.11</b>
13 / 14 mm	<b>70.420.13</b>
15 / 16 mm	<b>70.420.15</b>
17 / 18 mm	<b>70.420.17</b>
19 / 20 mm	<b>70.420.19</b>
21 / 22 mm	<b>70.420.21</b>
23 / 24 mm	<b>70.420.23</b>
25 / 26 mm	<b>70.420.25</b>

**HEGAR**  
**70.424.08**

set 8 pieces **70.420.03 - 70.420.17**

**70.424.13**

set 13 pieces **70.420.01 - 70.420.25**



**HEGAR**  
**70.425.08**

8 pieces  
3 / 4 - 17 / 18 mm



**HEGAR**  
**70.426.08**

8 pieces  
3 / 4 - 17 / 18 mm

**70.426.13**

13 pieces  
1 / 2 - 25 / 26 mm



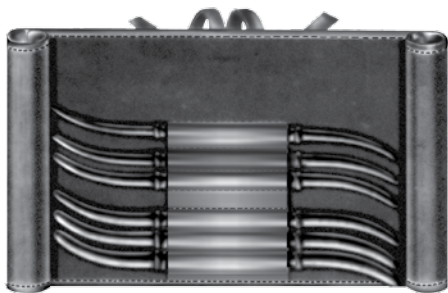
fig. / U.S.

4.5 mm / 5 cm	<b>70.430.10</b>	9 / 10
5.5 mm / 6 cm	<b>70.430.12</b>	11 / 12
6.5 mm / 7 cm	<b>70.430.14</b>	13 / 14
7.5 mm / 8 cm	<b>70.430.16</b>	15 / 16
8.5 mm / 9 cm	<b>70.430.18</b>	17 / 18
9.5 mm / 10 cm	<b>70.430.20</b>	19 / 20

**HANK**

**70.430.10 - 70.430.20** **70.435.06**  
set 6





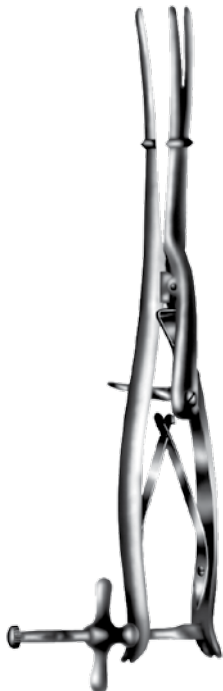
**HANK**  
70.436.08  
set 6 with bag



**GOODELL**  
70.441.34  
34 cm



**WYLIE**  
70.443.29  
29 cm



**SIMS**  
70.445.29  
29 cm

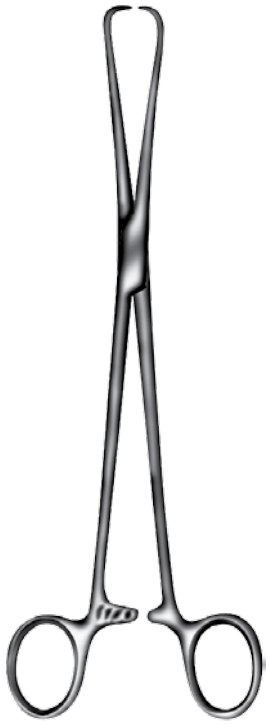


**PRATT**  
70.447.13 - 70.447.41

**PRATT**  
70.447.08  
set 8

13 / 15 charr. FG	70.447.13
17 / 19 charr. FG	70.447.17
21 / 23 charr. FG	70.447.21
25 / 27 charr. FG	70.447.25
29 / 31 charr. FG	70.447.29
33 / 35 charr. FG	70.447.33
37 / 39 charr. FG	70.447.37
41 / 43 charr. FG	70.447.41





**SCHROEDER**  
70.502.25  
25 cm



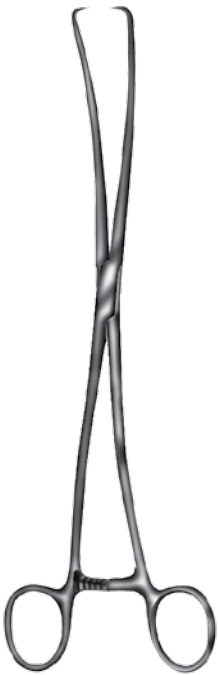
**BRAUN**  
70.504.25  
25 cm



**SKENE**  
70.505.24  
24 cm



**POZZI**  
70.506.25  
25 cm



**DUPLAY**  
70.507.28  
28 cm



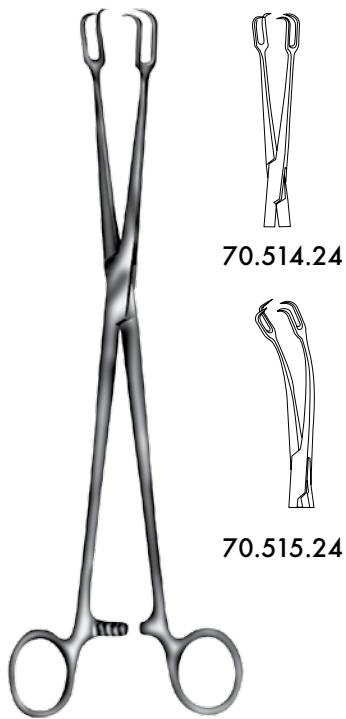
**STAUDE MOORE**  
70.508.17  
17 cm



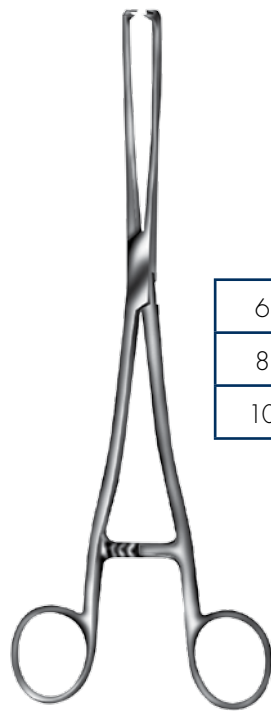
**BARRETT**  
70.510.18  
18 cm



**JARCHO**  
70.512.20  
20 cm



**SCHROEDER**  
70.514.24 - 70.515.24  
2 x 2 teeth



**MUSEUX**  
70.524.06 - 70.525.10  
2 x 2 teeth  
24 cm

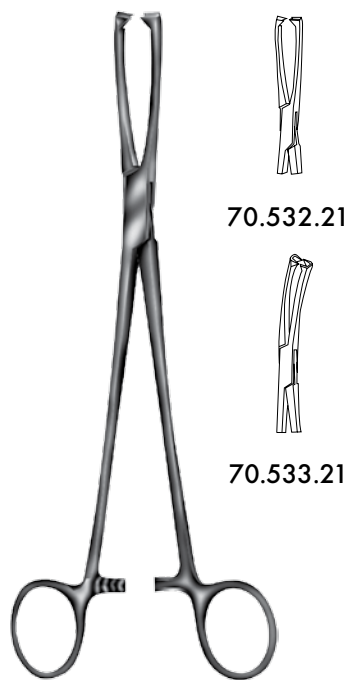
6 mm	70.524.06	70.525.06
8 mm	70.524.08	70.525.08
10 mm	70.524.10	70.525.10



**TEALE**  
70.526.20  
4 x 3 teeth 10 mm  
23 cm



**TEALE**  
70.531.23  
23 cm



**JACOBS**  
70.532.21 - 70.533.21  
21 cm



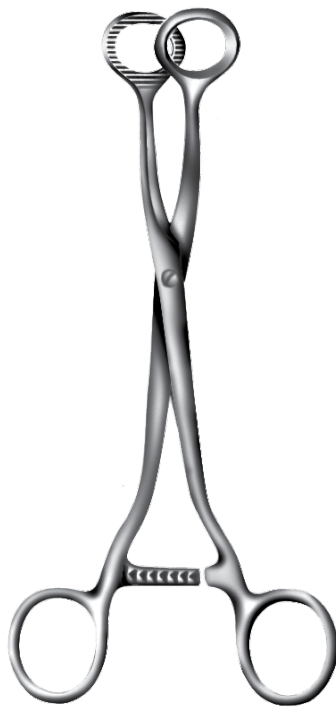
**PRATT**  
70.536.28  
28 cm



**IOWA**  
70.539.26  
26 cm



**NOTO**  
70.540.27  
27 cm



**DOYEN**  
70.542.20  
20 cm



**KELLY**  
70.543.32  
32 cm



**DARTIGUES**  
70.545.27  
27 cm



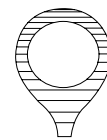
**SOMER**  
70.547.23  
23 cm



**COLLIN**  
70.549.25  
25 cm



**COLLIN**  
70.550.28  
28 cm



**BUMM**  
70.552.28  
28 cm



**BEACHAM**  
70.559.26  
aminotome  
26 cm



**BRAUN**  
70.565.28  
28 cm



**SIMS**  
70.567.26  
26 cm



**SIMS**  
70.580.32 70.581.32  
*rigid* *malleable*  
32 cm



**MARTIN**  
70.582.32 70.583.32  
*rigid* *malleable*  
32 cm



**COLLIN**  
70.584.28  
28 cm



**RANDALL**  
70.590.04  
24 cm / 4 mm



**NOVAK**  
70.592.01 - 70.592.04  
23 cm



1 mm	70.592.01
2 mm	70.592.02
3 mm	70.592.03
4 mm	70.592.04



**KEVORKIAN**  
70.594.12 70.594.40  
30 cm 30 cm  
1.2 mm 4 mm



**70.596.05**  
5 mm



**70.596.06**  
6 mm



**70.596.07**  
7 mm



**70.596.08**  
8 mm



**KELLY GRAY**  
70.596.05 - 70.596.08  
24 cm

**KEVORKIAN**  
70.596.40  
30 cm

**FAURE**  
70.601.21  
21 cm

**SCHUBERT**  
70.604.21 70.604.28  
21 cm 28 cm

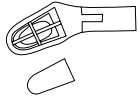


**SCHUBERT**  
70.605.26  
26 cm

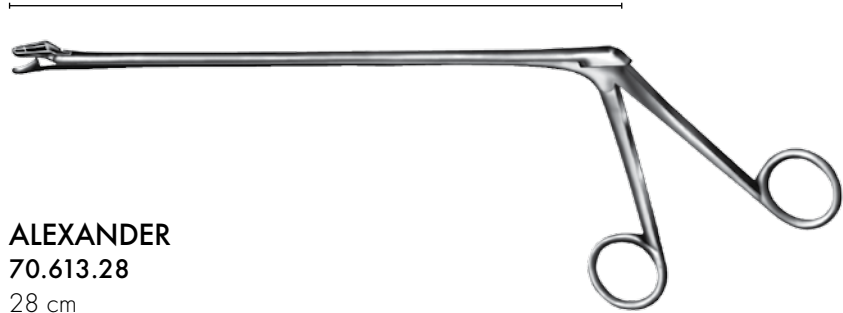
**THOMS GAYLOR**  
70.606.24  
24 cm

**GELLHORN**  
70.609.23  
23 cm

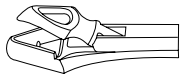
**VAN DOREN**  
70.611.25  
25 cm



20 cm



**ALEXANDER**  
70.613.28  
28 cm

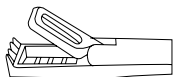


24 cm

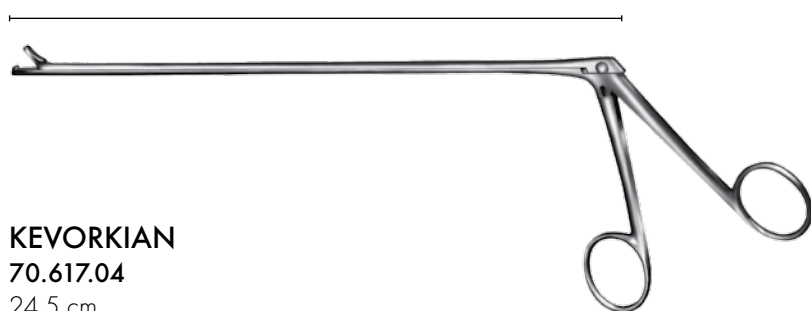


70.615.01  
70.615.02

**SCHUMACHER**  
70.615.01 - 70.615.02  
24 cm

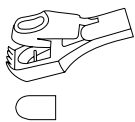


24.5 cm

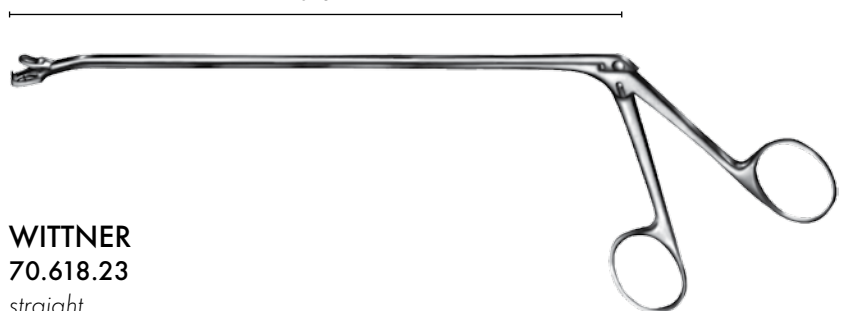


3 x 9.7 mm

**KEVORKIAN**  
70.617.04  
24.5 cm

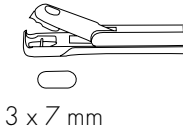


23 cm

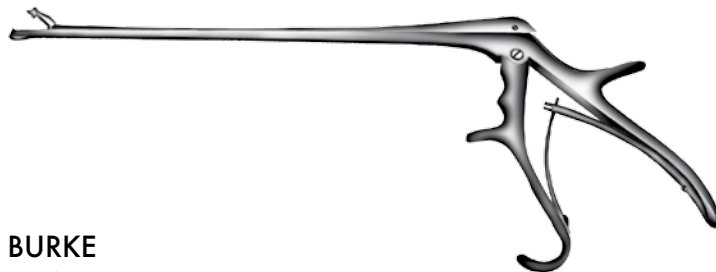
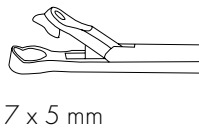


4 x 8 mm

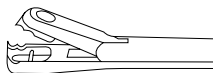
**WITTNER**  
70.618.23  
*straight*  
70.619.23  
*curved*



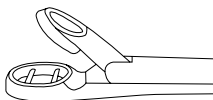
**TISCHLER-MORGAN**  
70.621.01



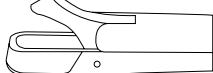
**BURKE**  
70.622.00



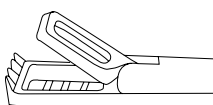
**TISCHLER-Morgan**  
fig. 1



3.7 x 5 mm  
fig. 3



mini  
fig. 5

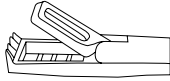


**KEVORKIAN**  
fig. 4



**TOWNSEND**  
70.624.01 - 70.624.15

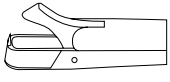
	complete	tip only
fig. 1	70.624.01	70.624.11
fig. 3	70.624.03	70.624.13
fig. 4	70.624.04	70.624.14
fig. 5	70.624.05	70.624.15



3 x 8 mm



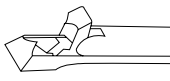
**KEVORKIAN Pacific**  
70.625.04



2.3 x 4.2 mm



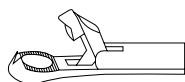
**TOWNSEND mini**  
70.626.00



3 x 9.5 mm



**TISCHLER KEVORKIAN**  
70.627.00

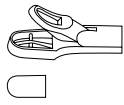


4 x 6.5 mm



**BAGGISH**  
70.628.00

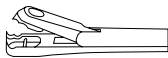




4 x 8 mm



**EPPENDORFER**  
70.630.00



**TISCHLER- MORGAN**

fig. 1

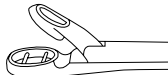


fig. 3

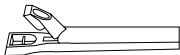
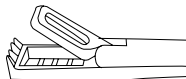


fig. 2



**KEVORKIAN**

fig. 4



**EPPENDORFER**  
70.632.01 - 70.632.14

	complete	tip only
fig.1	70.632.01	70.632.11
fig. 2	70.632.02	70.632.12
fig. 3	70.632.03	70.632.13
fig. 4	70.632.04	70.632.14



**70.645.01**  
fig. 1



**70.645.02**  
fig. 2



**70.645.03**  
fig. 3



**70.645.04**  
fig. 4



**70.645.05**  
fig. 5



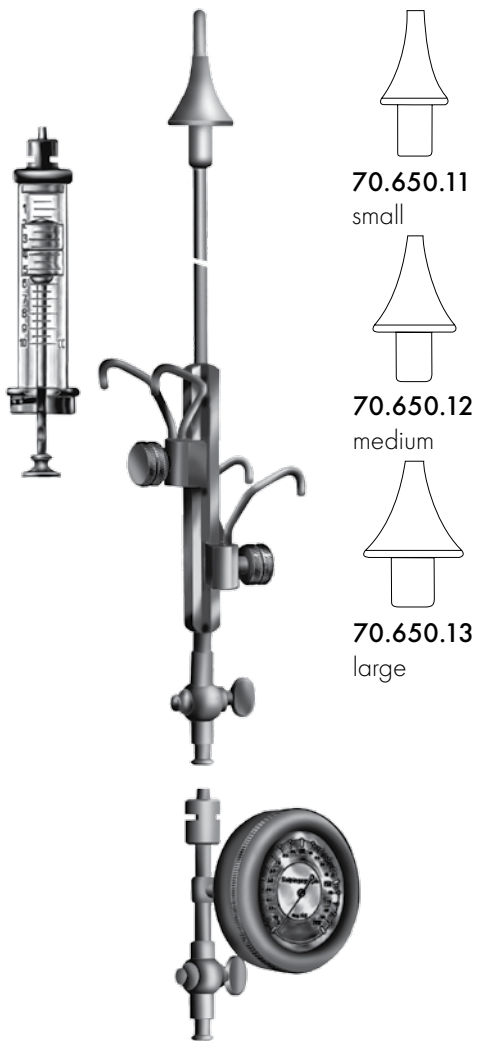
**DOYEN**  
70.641.17  
myoma screw  
17 cm



**SEGOND**  
70.643.27  
myoma knife  
27 cm



**EMMET**  
70.645.01 - 70.645.05  
fistula hooks  
22 cm



**SCHULTZE**  
70.650.00  
complete  
salpinograph



**SCHROEDER**  
70.700.01 - 70.700.06  
31 cm

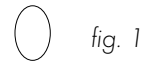


fig. 1



fig. 2



fig. 3



fig. 4

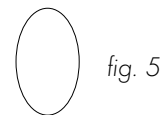


fig. 5

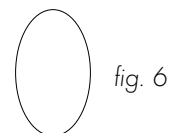


fig. 6

fig.1	70.700.01
fig. 2	70.700.02
fig. 3	70.700.03
fig. 4	70.700.04
fig. 5	70.700.05
fig. 6	70.700.06



**SIMON**  
70.702.01 - 70.702.06  
uterines curettes sharp  
25 cm



fig. 1



fig. 2



fig. 3



fig. 4



fig. 5

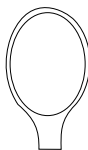
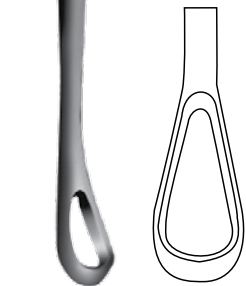


fig. 6

fig. 1	70.702.01
fig. 2	70.702.02
fig. 3	70.702.03
fig. 4	70.702.04
fig. 5	70.702.05
fig. 6	70.702.06



sharp



blunt

**BLAKE**  
70.704.27  
27 cm



**SIMS**  
70.710.05 - 70.717.14  
28 cm



**70.710.05 - 70.717.05**  
5 mm



**70.710.06 - 70.717.06**  
6 mm



**70.710.07 - 70.717.07**  
7 mm



**70.710.08 - 70.717.08**  
8 mm



**70.710.09 - 70.717.09**  
9 mm



**70.710.11 - 70.717.11**  
11 mm



**70.710.12 - 70.717.12**  
12 mm



**70.710.14 - 70.717.14**  
14 mm

<i>rigid / sharp</i>	<i>rigid / blunt</i>	<i>malleable / sharp</i>	<i>malleable / blunt</i>
70.710.05	70.712.05	70.715.05	70.717.05
70.710.06	70.712.06	70.715.06	70.717.06
70.710.07	70.712.07	70.715.07	70.717.07
70.710.08	70.712.08	70.715.08	70.717.08
70.710.09	70.712.09	70.715.09	70.717.09
70.710.11	70.712.11	70.715.11	70.717.11
70.710.12	70.712.12	70.715.12	70.717.12
70.710.14	70.712.14	70.715.14	70.717.14



**70.720.07 - 70.727.07**  
7 mm



**70.720.08 - 70.727.08**  
8 mm



**70.720.09 - 70.727.09**  
9 mm



**70.720.11 - 70.727.11**  
11 mm



**70.720.12 - 70.727.12**  
12 mm



**70.720.14 - 70.727.14**  
14 mm



**70.720.15 - 70.727.15**  
15 mm



**70.720.16 - 70.727.16**  
16 mm



**SIMS**  
**70.720.07 - 70.727.20**  
28 cm



**70.720.19 - 70.727.19**  
19 mm



**70.720.20 - 70.727.20**  
20 mm

*rigid / sharp      rigid / blunt      malleable / sharp      malleable / blunt*

<b>70.720.07</b>	<b>70.722.07</b>	<b>70.725.07</b>	<b>70.727.07</b>
<b>70.720.08</b>	<b>70.722.08</b>	<b>70.725.08</b>	<b>70.727.08</b>
<b>70.720.09</b>	<b>70.722.09</b>	<b>70.725.09</b>	<b>70.727.09</b>
<b>70.720.11</b>	<b>70.722.11</b>	<b>70.725.11</b>	<b>70.727.11</b>
<b>70.720.12</b>	<b>70.722.12</b>	<b>70.725.12</b>	<b>70.727.12</b>
<b>70.720.14</b>	<b>70.722.14</b>	<b>70.725.14</b>	<b>70.727.14</b>
<b>70.720.15</b>	<b>70.722.15</b>	<b>70.725.15</b>	<b>70.727.15</b>
<b>70.720.16</b>	<b>70.722.16</b>	<b>70.725.16</b>	<b>70.727.16</b>
<b>70.720.19</b>	<b>70.722.19</b>	<b>70.725.19</b>	<b>70.727.19</b>
<b>70.720.20</b>	<b>70.722.20</b>	<b>70.725.20</b>	<b>70.727.20</b>



**70.730.30 - 70.737.30**  
30 mm



**70.730.35 - 70.737.35**  
35 mm



**70.730.40 - 70.737.40**  
40 mm

<i>rigid / sharp</i>	<i>rigid / blunt</i>	<i>malleable / sharp</i>	<i>malleable / blunt</i>
<b>70.730.30</b>	<b>70.732.30</b>	<b>70.735.30</b>	<b>70.737.30</b>
<b>70.730.35</b>	<b>70.732.35</b>	<b>70.735.35</b>	<b>70.737.35</b>
<b>70.730.40</b>	<b>70.732.40</b>	<b>70.735.40</b>	<b>70.737.40</b>

**BUMM**  
**70.730.30 - 70.737.40**  
28 cm



**70.741.01**  
*fig. 1*



**70.741.02**  
*fig. 2*



**70.741.03**  
*fig. 3*



**70.741.04**  
*fig. 4*

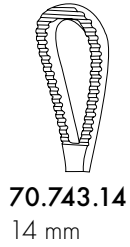
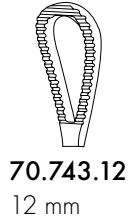
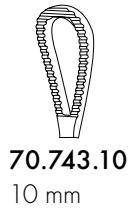


**70.741.05**  
*fig. 5*

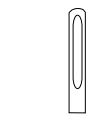


**70.741.06**  
*fig. 6*

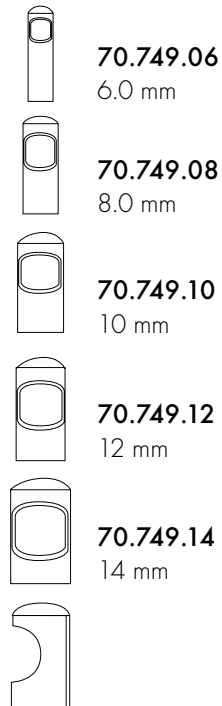
**THOMAS**  
**70.741.01 - 70.741.06**  
*malleable*  
28 cm



**GREENE**  
70.743.10 - 70.743.14  
malleable  
28 cm



**70.749.03 - 70.749.04**  
28 cm



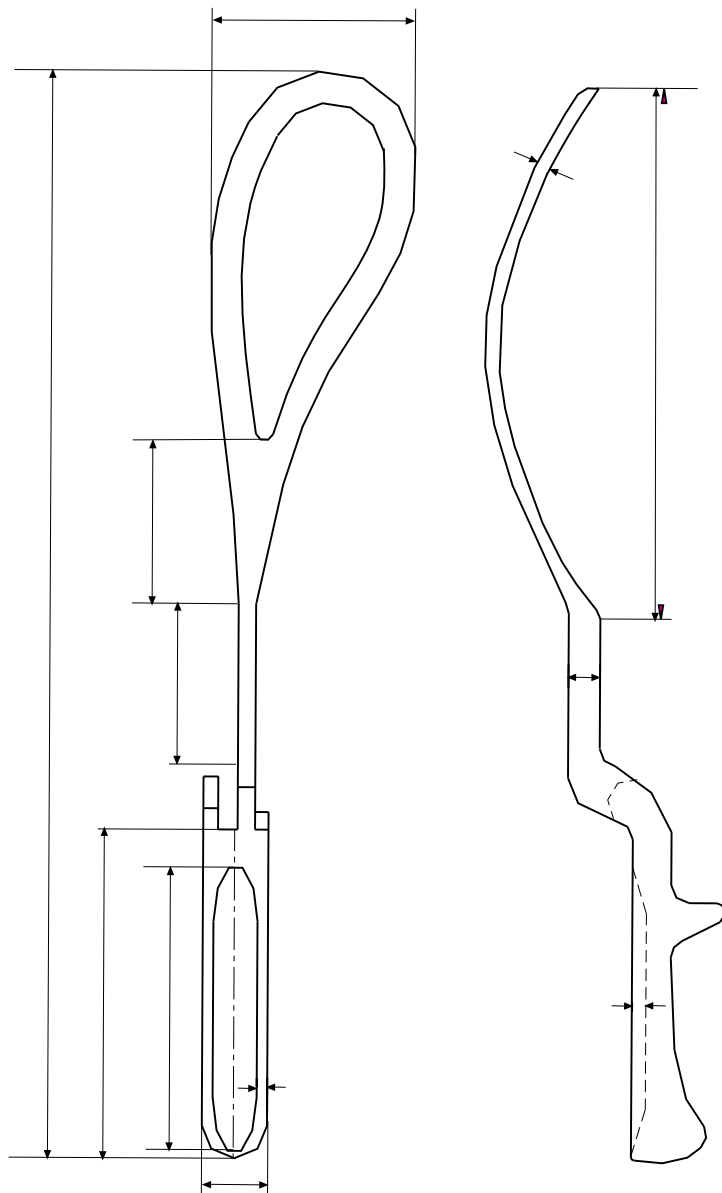
**70.749.06 - 70.749.14**  
28 cm



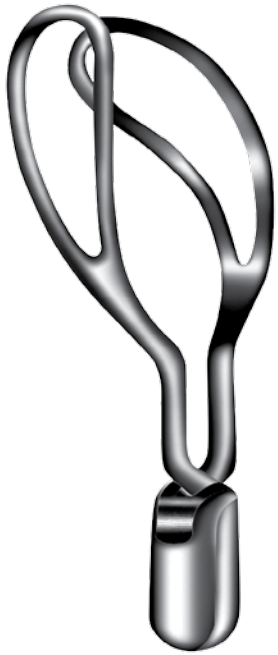
**70.749.50**  
hose connection inside  
ø 11 mm  
curved  
stainless steel

# 72

**Obstetrics**  
**Geburtshilfe**  
Obstetricia







**WRIGLEY**  
72.101.23  
28 cm



30 cm	<b>72.102.30</b>
23 cm	<b>72.103.23</b>

**SIMPSON**  
72.102.30 - 72.103.23



33 cm	<b>72.105.33</b>
36 cm	<b>72.105.36</b>

**SIMPSON BRAUN**  
72.105.33 - 72.105.36



**LEE**  
72.107.30  
30 cm



36 cm	<b>72.108.36</b>
39 cm	<b>72.108.39</b>

**LEE**  
72.108.36 - 72.108.39



**KIELLAND**  
72.110.41  
41 cm



32 cm	<b>72.115.32</b>
38 cm	<b>72.115.38</b>

**ELLIOT**  
72.115.32 - 72.115.38



36 cm	<b>72.119.36</b>
40 cm	<b>72.119.40</b>

**NAEGELE**  
72.119.36 - 72.119.40



**LUIKART**  
72.125.40  
40 cm



**KIELLAND**  
72.127.40  
40 cm



**SIMPSON**  
72.135.36  
36 cm



**MCLEAN TUCKER LUIKART**  
72.139.40  
40 cm



**Mc LEAN TUCKER**  
72.141.39  
39 cm



**Mc LEAN LUIKART**  
72.143.39  
39 cm



**Mc LEAN**  
72.145.36  
36 cm



**BARTON**  
72.147.36  
36 cm



**BARTON**  
72.148.17  
17 cm



**BOERMA**  
72.151.29  
29 cm



**PIPER**  
72.155.44  
44 cm



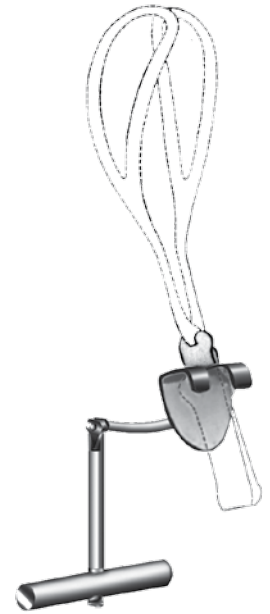
**PIPER**  
72.157.40  
40 cm



**DEWEY**  
72.160.37  
37 cm



**TARNIER**  
72.162.40  
40 cm



**BILL**  
72.170.00



**LUIKART BILL**  
72.171.21  
21 cm



**SMELLIE**  
72.181.33  
33 cm



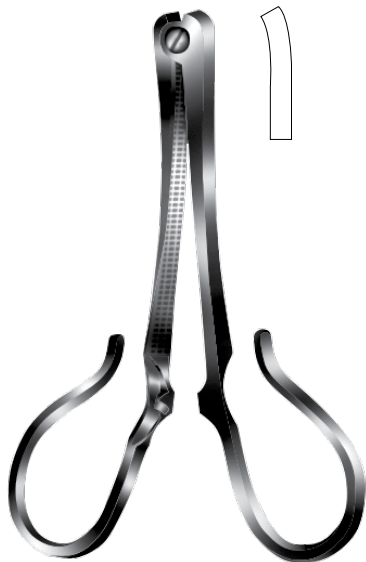
**GAUSS**  
72.183.27  
27 cm



**GREEN ARMYTAGE**  
72.184.21  
21 cm



**COLLIN**  
72.187.09  
9 cm



**KANE**  
72.189.09  
8.5 cm



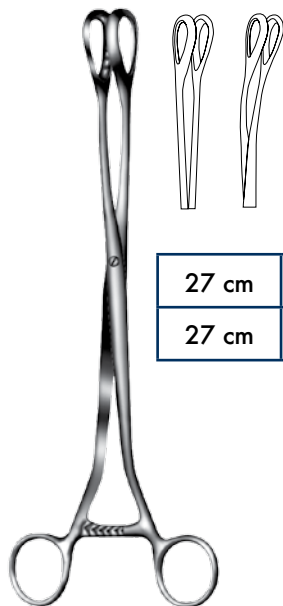
**MARTIN**  
72.191.34  
34 cm



**COLLYER**  
72.193.30  
30 cm



**COLLIN**  
72.195.35  
35 cm



**SAENGER**  
72.242.27 - 72.243.27  
27 cm

27 cm	72.242.27	straight
27 cm	72.243.27	curved



**WINTER**  
72.244.01 - 72.245.03  
28 cm

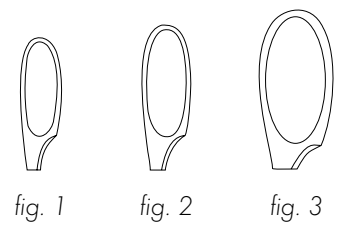
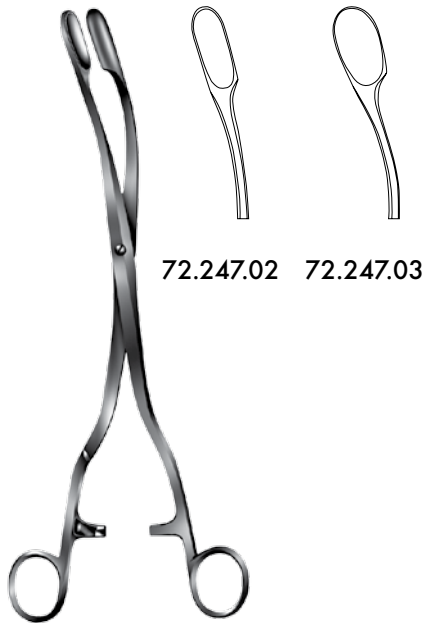
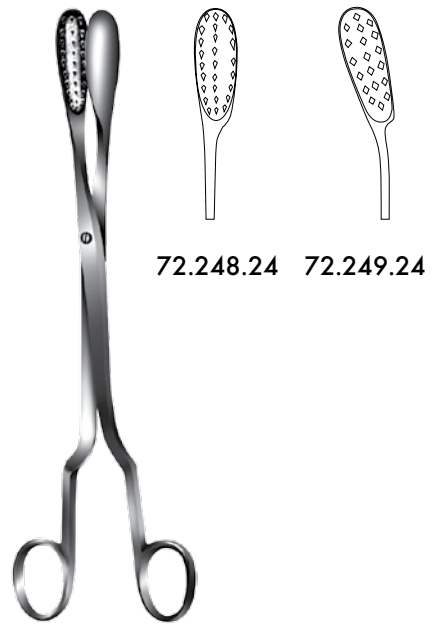


fig. 1	72.244.01	72.245.01
fig. 2	72.244.02	72.245.02
fig. 3	72.244.03	72.245.03



72.247.02 72.247.03

**WINTER**  
72.247.02 - 72.247.03  
28 cm

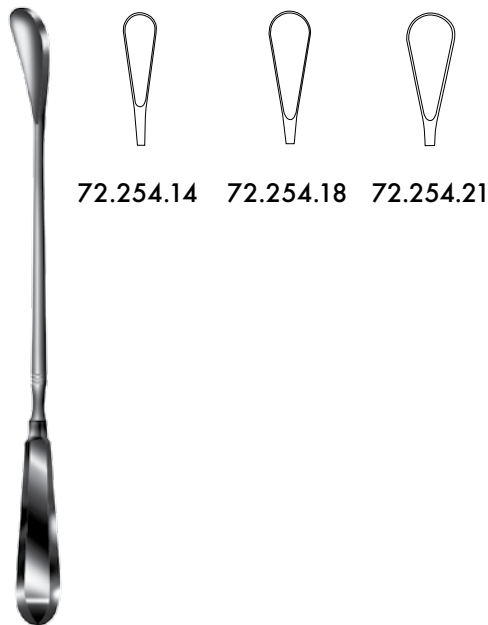


72.248.24 72.249.24

**LEWKOWITZ**  
72.248.24 - 72.249.24  
24.5 cm



**PESTALOZZA**  
72.252.30  
30 cm



72.254.14 72.254.18 72.254.21

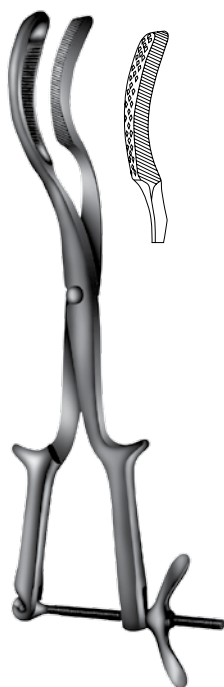
**CUZZI**  
72.254.14 - 72.254.21  
30 cm



**WALLICH**  
72.256.42  
42 cm



**SELLHEIM**  
72.259.28  
28 cm



**BRAUN**  
72.302.42  
42 cm



**TARNIER**  
72.304.46  
46 cm



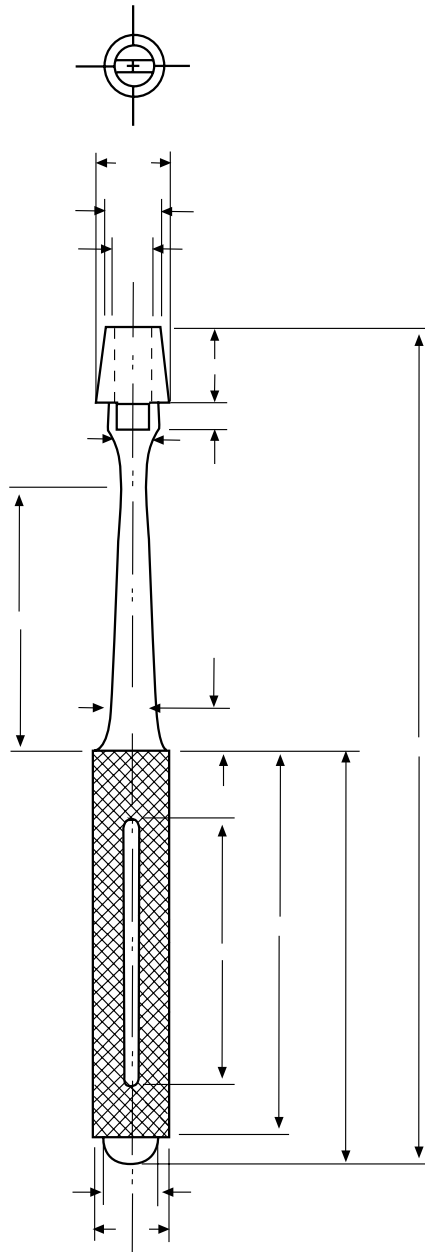
**SMELLIE**  
72.306.25  
25 cm



**BRAUN**  
72.309.30  
30 cm

# 74

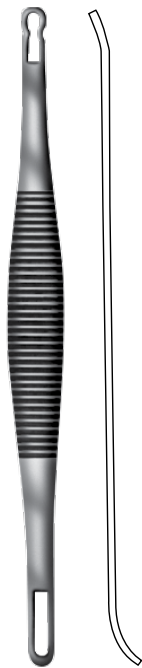
## **Dermatology, Hygiene** Dermatologie, Hygiene Dermatología, Higiene







**KILNER**  
74.103.15  
15 cm



**SCHAMBERG**  
74.111.10  
10 cm



**UNNA**  
74.113.14  
14 cm



**UNNA**  
74.115.14  
14 cm



**WALTON**  
74.118.14  
14 cm



**SAALFELD**  
74.121.10  
10 cm



**FOX**  
74.128.03 - 74.128.06  
14 cm



0.3 cm	<b>74.128.03</b>
0.4 cm	<b>74.128.04</b>
0.5 cm	<b>74.128.05</b>
0.6 cm	<b>74.128.06</b>



fig. 1

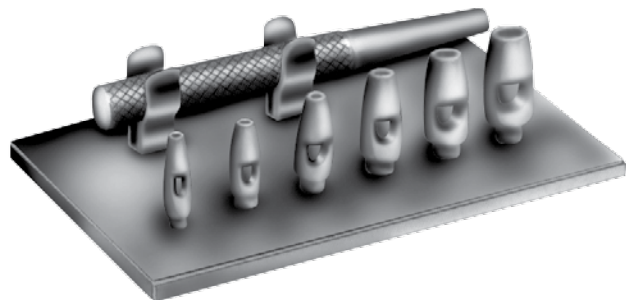


fig. 2



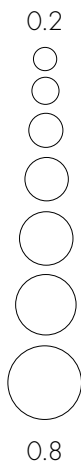
fig. 3

fig. 1	74.130.01
fig. 2	74.130.02
fig. 3	74.130.03



**PIFFARD**  
 74.130.01 - 74.130.03  
 14.5 cm

**KEYES**  
 74.138.00  
 complet

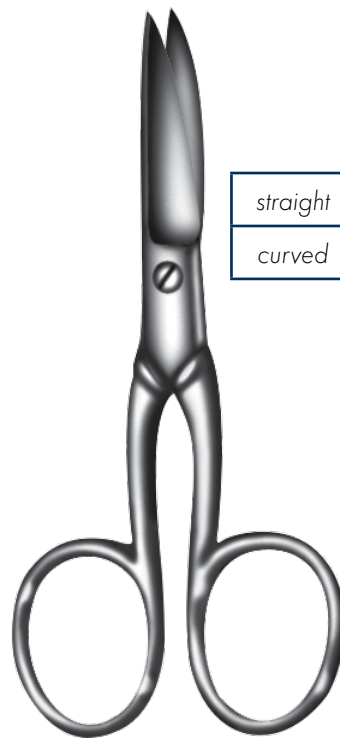


0.2 mm	74.140.02
0.3 mm	74.140.03
0.4 mm	74.140.04
0.5 mm	74.140.05
0.6 mm	74.140.06
0.7 mm	74.140.07
0.8 mm	74.140.08

**KEYES**  
 74.140.02 - 74.140.08  
 10 cm

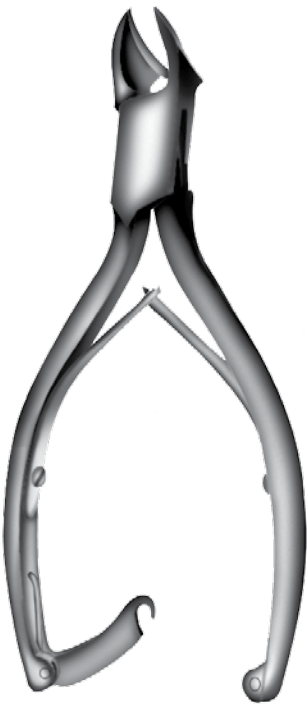


74.301.10  
 10 cm



straight	74.304.10
curved	74.305.10

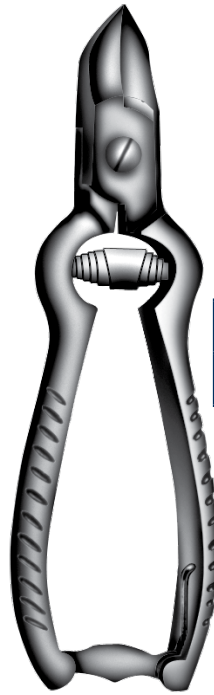
74.304.10 - 74.305.10  
 10 cm



**74.331.14**  
14 cm



**74.336.14**  
14 cm



**TURNBULL**  
74.341.11 - 74.341.13

11.5 cm	<b>74.341.11</b>
13.5 cm	<b>74.341.13</b>



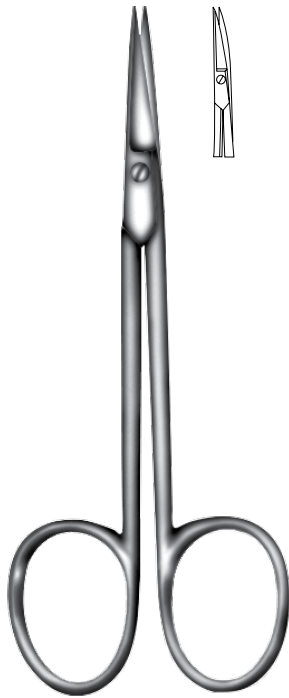
**74.360.13**  
13 cm



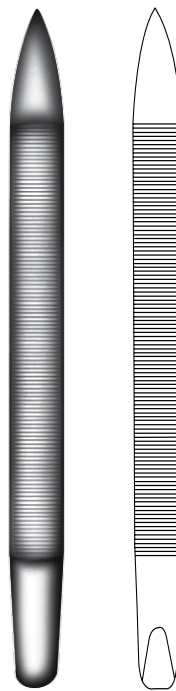
**74.365.11**  
11 cm



**74.373.10**  
10 cm



**74.378.10 - 74.379.10**  
 10 cm  
 straight      curved

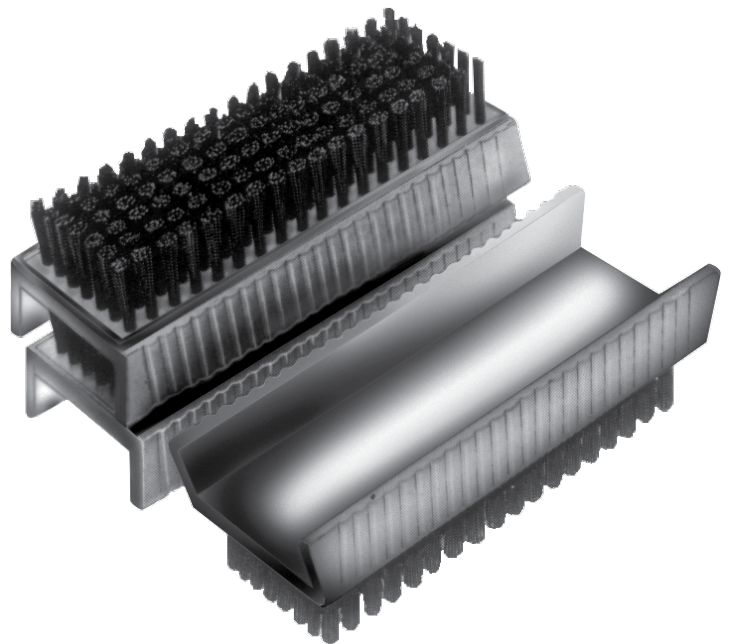


10 cm	<b>74.386.10</b>
12 cm	<b>74.386.12</b>

**74.386.10 - 74.386.12**



**74.395.14**  
 14.5 cm

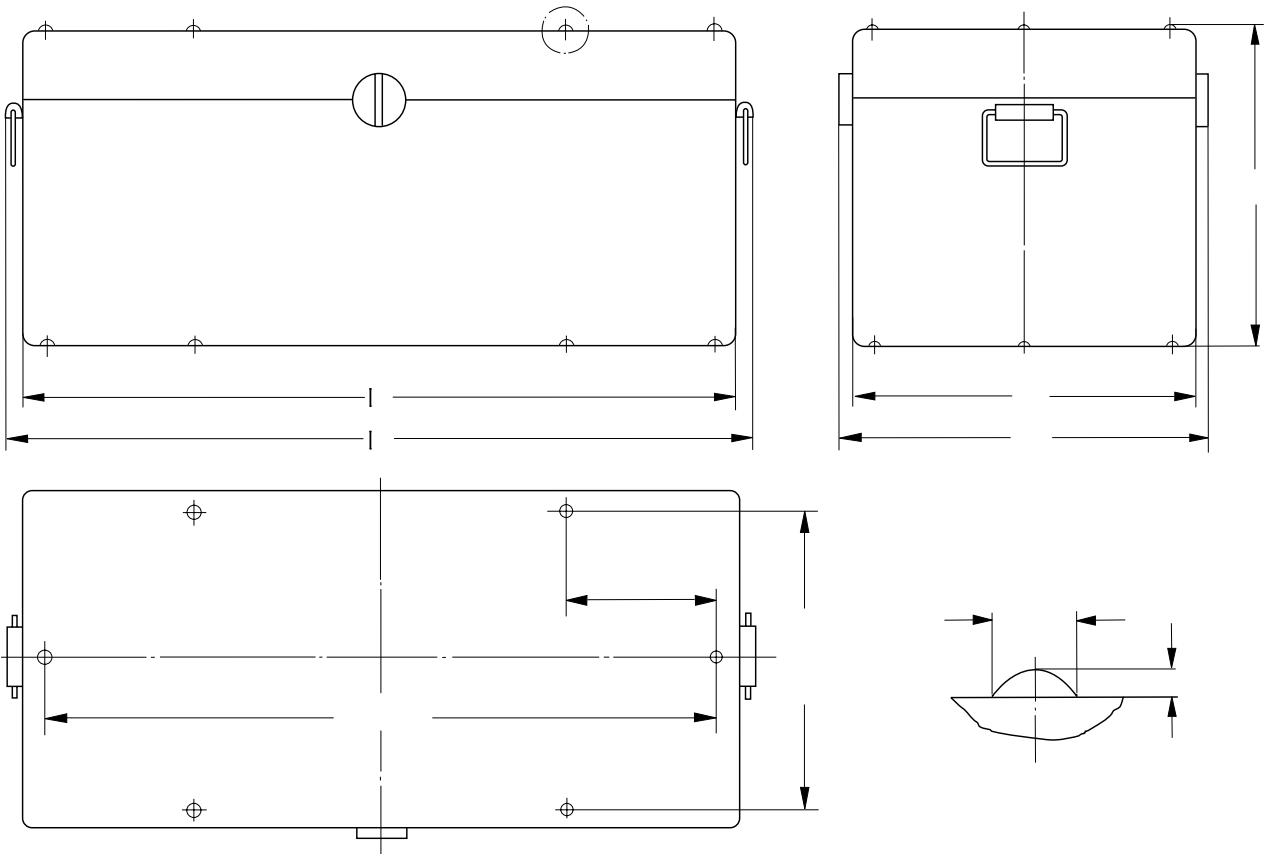


**74.398.00**  
 1 piece



# 88

## Instrument Boxes, Trays Contenedores, Bandejas Behälter und Siebschalen



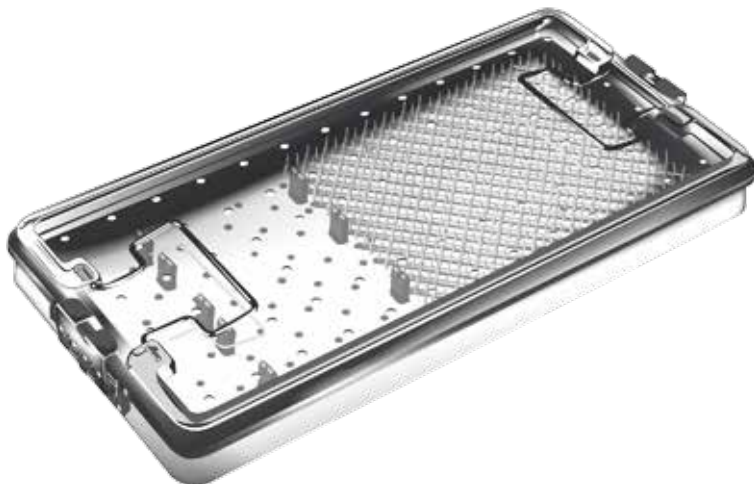


**STERILISATION AND UTILITY TRAY FOR STORAGE**

**88.020.05**

Storage tray

for 58 Y-Aneurysm-Clips, stacking system, dim.: 528 x 254 x 40 mm, with lid made out of PPSU, for steam sterilisation up to 3 bar (143° C/289° F).



**STERILISATION AND UTILITY TRAY FOR STORAGE**

**88.020.10**

Storage tray

for clip appliers & instruments, stacking system, dim.: 528 x 254 x 40 mm, made out of PPSU, for steam sterilisation up to 3 bar (143° C/289° F).



**STERILISATION AND UTILITY TRAY FOR STORAGE**

**88.022.23**

Storage tray

for 23 Y-Aneurysm-Clips and clip appliers, stacking system, dim.: 528 x 254 x 40 mm, with lid made out of PPSU, for steam sterilisation up to 3 bar (143° C/289° F).





**STERILISATION AND UTILITY TRAY FOR STORAGE**

**88.030.10**

150 x 95 x 13 mm space for 18 clips.



**STERILISATION AND UTILITY TRAY FOR STORAGE**

**88.030.20**

210 x 125 x 17 mm space for 42 clips.





**SAUERBRUCH**

**88.110.21**

210 x 125 x 17 mm



**88.112.65**

65 x 15mm

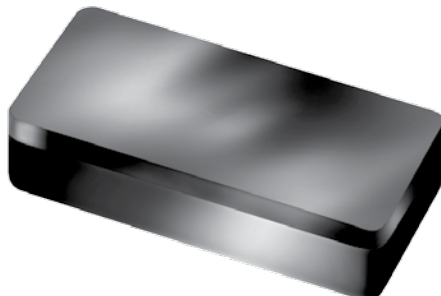


**88.113.65**



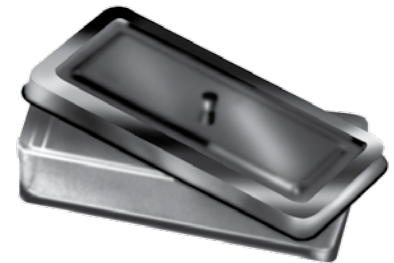
**88.114.00**

150 x 95 x 13 mm



**88.120.18 - 88.120.50**

180 x 80 x 40 mm	<b>88.120.18</b>
200 x 100 x 60 mm	<b>88.120.20</b>
220 x 120 x 60 mm	<b>88.120.22</b>
250 x 120 x 60 mm	<b>88.120.25</b>
300 x 125 x 60 mm	<b>88.120.30</b>
320 x 150 x 60 mm	<b>88.120.32</b>
400 x 160 x 75 mm	<b>88.120.40</b>
500 x 200 x 120 mm	<b>88.120.50</b>



**88.124.14 - 88.124.30**

140 x 80 x 50 mm	<b>88.124.14</b>
170 x 120 x 60 mm	<b>88.124.17</b>
200 x 60 x 40 mm	<b>88.124.20</b>
220 x 100 x 50 mm	<b>88.124.22</b>
220 x 140 x 60 mm	<b>88.124.23</b>
270 x 170 x 60 mm	<b>88.124.27</b>
500 x 200 x 120 mm	<b>88.124.30</b>



**88.125.10 - 88.125.20**

100 x 100 mm	<b>88.125.10</b>
120 x 102 mm	<b>88.125.12</b>
150 x 150 mm	<b>88.125.15</b>
180 x 180 mm	<b>88.125.18</b>
200 x 200 mm	<b>88.125.20</b>



**88.130.04 - 88.130.15**

40 ømm	<b>88.130.04</b>
60 ømm	<b>88.130.06</b>
80 ømm	<b>88.130.08</b>
100 ømm	<b>88.130.10</b>
120 ømm	<b>88.130.12</b>
150 ømm	<b>88.130.15</b>



**88.133.16 - 88.138.41**

165 x 60 mm	0.75 liters	<b>88.133.16</b>
175 x 70 mm	1 liters	<b>88.133.17</b>
220 x 80 mm	2 liters	<b>88.133.22</b>
225 x 90 mm	2.5 liters	<b>88.133.23</b>
240 x 110 mm	3 liters	<b>88.133.24</b>
255 x 115 mm	4 liters	<b>88.133.25</b>
275 x 115 mm	4.5 liters	<b>88.133.27</b>
290 x 125 mm	6 liters	<b>88.133.29</b>
310 x 120 mm	6 liters	<b>88.133.31</b>
345 x 125 mm	8.5 liters	<b>88.133.34</b>
380 x 130 mm	11 liters	<b>88.133.38</b>
415 x 140 mm	14 liters	<b>88.133.41</b>



**88.134.10 - 88.134.20**

1 liters	<b>88.134.10</b>
1.5 liters	<b>88.134.15</b>
2 liters	<b>88.134.20</b>



**88.139.17 - 88.139.27**

170 x 35 mm	<b>88.139.17</b>
250 x 35 mm	<b>88.139.25</b>
275 x 35 mm	<b>88.139.27</b>



**88.140.02 - 88.140.20**

0.25 liters	<b>88.140.02</b>
0.5 liters	<b>88.140.05</b>
1 liters	<b>88.140.10</b>
1.5 liters	<b>88.140.15</b>
2 liters	<b>88.140.20</b>



**PETRI**  
**88.141.10**  
100 x 20mm



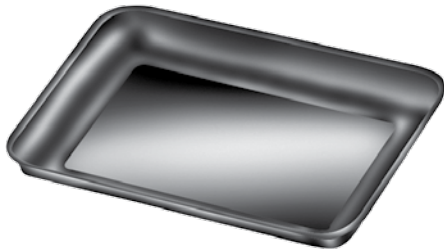
**88.142.01 - 88.142.09**

30 x 90 mm	<b>88.142.01</b>
50 x 100 mm	<b>88.142.02</b>
50 x 130 mm	<b>88.142.03</b>
50 x 175 mm	<b>88.142.04</b>
75 x 100 mm	<b>88.142.05</b>
75 x 130 mm	<b>88.142.06</b>
75 x 175 mm	<b>88.142.07</b>
100 x 175 mm	<b>88.142.08</b>
100 x 200 mm	<b>88.142.09</b>



25 cm	<b>88.143.25</b>
32 cm	<b>88.143.32</b>
39 cm	<b>88.143.39</b>

**BARD PARKER**  
**88.143.25 - 88.143.39**



**88.144.20 - 88.144.68**

200 x 150 x 25 mm	<b>88.144.20</b>
260 x 160 x 30 mm	<b>88.144.26</b>
300 x 200 x 30 mm	<b>88.144.30</b>
350 x 220 x 40 mm	<b>88.144.35</b>
540 x 360 x 25 mm	<b>88.144.54</b>
680 x 450 x 25 mm	<b>88.144.68</b>



**88.146.22 - 88.146.42**

220 x 170 x 50 mm	<b>88.146.22</b>
280 x 200 x 50 mm	<b>88.146.28</b>
320 x 240 x 50 mm	<b>88.146.32</b>
370 x 270 x 50 mm	<b>88.146.37</b>
420 x 320 x 50 mm	<b>88.146.42</b>



**88.147.21 - 88.147.42**

210 x 160 x 10 mm	<b>88.147.21</b>
240 x 180 x 10 mm	<b>88.147.24</b>
310 x 150 x 10 mm	<b>88.147.30</b>
310 x 210 x 10 mm	<b>88.147.31</b>
350 x 240 x 10 mm	<b>88.147.35</b>
400 x 270 x 20 mm	<b>88.147.40</b>
400 x 300 x 10 mm	<b>88.147.42</b>



**88.149.05 - 88.149.30**

0.5 liters	<b>88.149.05</b>
1 liters	<b>88.149.10</b>
2 liters	<b>88.149.20</b>
3 liters	<b>88.149.30</b>



**SCHIMMELBUSCH**  
88.152.08 - 88.179.59



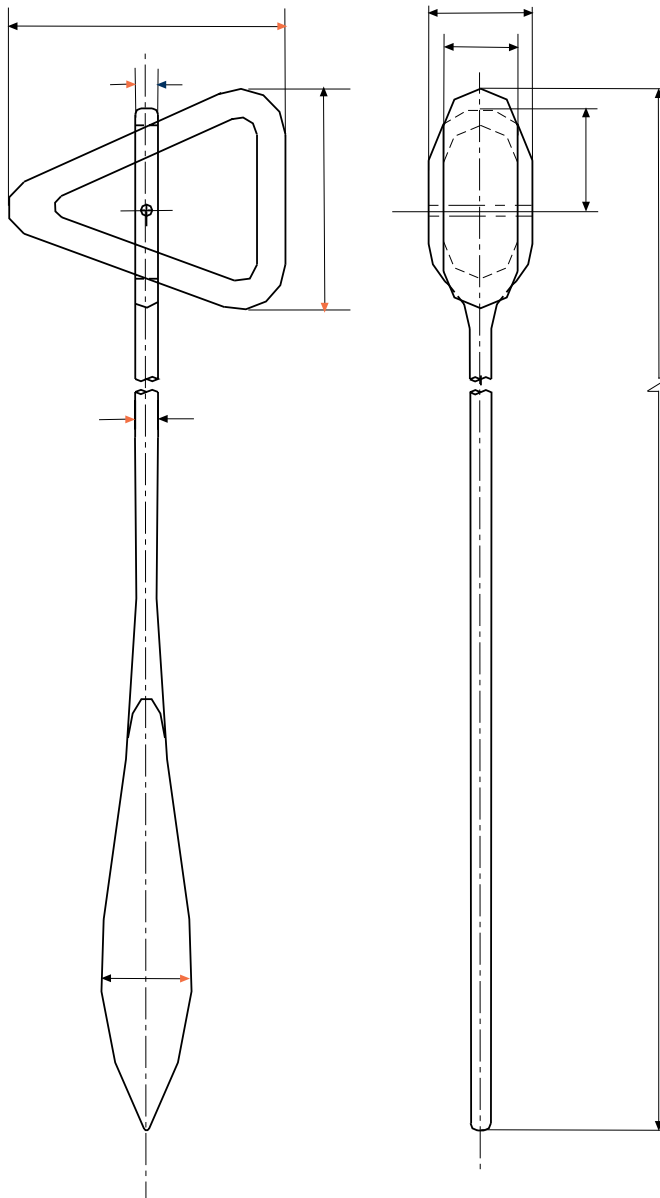
**KONRICH**  
88.182.08 - 88.209.59

SCHIMMELBUSCH		KONRICH	SCHIMMELBUSCH		KONRICH
88.152.08	125 x 80 mm	88.182.08	88.169.19	290 x 190 mm	88.199.19
88.152.10	125 x 100 mm	88.182.10	88.169.24	290 x 240 mm	88.199.24
88.158.12	125 x 125 mm	88.188.12	88.169.29	290 x 290 mm	88.199.29
88.155.08	150 x 80 mm	88.185.08	88.169.34	290 x 340 mm	88.199.34
88.155.10	150 x 100 mm	88.185.10	88.169.39	290 x 390 mm	88.199.39
88.155.13	150 x 130 mm	88.185.13	88.174.14	340 x 145 mm	88.204.14
88.155.15	150 x 150 mm	88.185.15	88.174.16	340 x 165 mm	88.204.16
88.155.19	150 x 190 mm	88.185.19	88.174.19	340 x 190 mm	88.204.19
88.159.14	190 x 145 mm	88.189.14	88.174.24	340 x 240 mm	88.204.24
88.159.16	190 x 165 mm	88.189.16	88.174.29	340 x 290 mm	88.204.29
88.159.19	190 x 190 mm	88.189.19	88.174.34	340 x 340 mm	88.204.34
88.159.24	190 x 240 mm	88.189.24	88.174.39	340 x 390 mm	88.204.39
88.164.14	240 x 145 mm	88.194.14	88.179.14	390 x 145 mm	88.209.14
88.164.16	240 x 165 mm	88.194.16	88.179.16	390 x 165 mm	88.209.16
88.164.19	240 x 190 mm	88.194.19	88.179.19	390 x 190 mm	88.209.19
88.164.24	240 x 240 mm	88.194.24	88.179.24	390 x 240 mm	88.209.24
88.164.29	240 x 290 mm	88.194.29	88.179.29	390 x 290 mm	88.209.29
88.164.34	240 x 340 mm	88.194.34	88.179.34	390 x 340 mm	88.209.34
88.164.39	240 x 390 mm	88.194.39	88.179.39	390 x 390 mm	88.209.39
88.169.14	290 x 145 mm	88.199.14	88.179.49	390 x 490 mm	88.209.49
88.169.16	290 x 165 mm	88.199.16	88.179.59	390 x 590 mm	88.209.59

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BANETT	Bone lever	288
BANGERTER	Cyclodialysis spatula	397
BARANY	Noise apparatus	418
BARBARA		429
BARBARA	Circular knife	429
BARBARA	Hooklet, needle, pick	429
BARBARA	Knife	429
BARBARA	Pick	430
BARBARA	Roller knife	429
BARBARA	Sickle knife	429
BARKAN	Goniotomy knife	394
BARNHILL	Adenoid curette	461
BARON	Suction and irrigation tube	420
BARR	Rectal speculum	550
BARRAQUER	Anterior chamber forceps	406
BARRAQUER	Cilia forceps	414
BARRAQUER	Colibri iris scissor	56
BARRAQUER	Eye speculum	390
BARRAQUER	Fixation forceps	407
BARRAQUER	Keratoplasty knife	394
BARRAQUER	Needleholder	223-224
BARRAQUER colibri	Eye speculum	390
BARRAQUER colibri	Iris forceps	402
BARRAQUER KATZIN	Iris forceps	402
BARRETT	Tenaculum forceps	570
BARTON	Obstetrical forceps	588
BARTON	Traction handle, Obstetrical forceps	588
BATTERY HANDLE		12
BAUER		485
BAUMGARTNER	Needleholder	215
BEACHAM	Amniotome	572
BECK	Vena cava clamp	127
BECKER	Cystotome	395
BECKMAN	Spreader	179
BECKMAN ADSON	Spreader	179
BECKMAN EATON	Spreader	180
BECKMANN	Adenoid curette	460
BEEBEE	Scissor	49
BEER	Cilia forceps	414
BEESON	Plaster spreader	246
BELLUCCI	Scissor micro	425
BENGOLEA	Forceps hemostatic	101-102
BERENS	Keratome	393
BERGMANN		281
BERGMANN	Bandaje scissor	50
BERGMANN	Plaster saw	244
BERKE	Muscular forceps	406
BERLINER	Hammer	4
BERNHARD	Towel forceps	143
BERTILLON	Cephalometer	5
BEST	Intestinal forceps	534

BETHUNE	Rib shear	509
BEUSE	Nasal scissor	39
BEYER	Punch	447
BEYER	Rongeur	250-251
BHRUENINGS	Ear specula	417
BIEMER	Approximator	367
BIEMER	Forceps, clip applying	367
BIEMER MUELLER	Approximator	367
BIER	Lumbar needle	210
BILL	Tractor	589
BILLEAU	Ear loop	422
BIRCHER GANSKE	Forceps, bone cutting	261
BISHOP HARMAN	Iris forceps	404
BLADES		271
BLAKE	Gall stone forceps	524
BLAKE	Uterus scoop	580
BLOCK	Dilator, handle, punch	519
BLOHMKE	Tonsil forceps	491
BLOUNT	Knee retractor	292-293
BLUMENTHAL	Rongeur	249
BODENHAMMER	Rectal speculum	550
BOEHLER	Extension bow	306
BOEHLER	Forceps, bone cutting	256
BOEHLER	Rongeur	251
BOERMA	Obstetrical forceps	588
BOETTCHER		39
BONACCOITO	Strabismus forceps	403
BONN	Iris forceps	404
BONN	Irrigating cannula	412
BONNEY	Forceps	74
BONNEYE	Eye scissor	36
BORCHARDT	Burr	305
BOSE	Tracheal hook	503
BOSE	Tracheal spreader	502
BOUCHERON	Ear specula	416
BOWLES		2
BOWMAN	Discision knife	393
BOWMAN	Discision needle	394
BOWMAN	Eye speculum	390
BOWMAN	Lachrymal probe	399
BOYNTON	Needleholder	222
BOYS ALLIS	Intestinal forceps	531
BOZEMANN	Needleholder	218
BOZEMANN	Swab holder	149
BRAUN	Cranioclast	592
BRAUN	Depilation hook	592
BRAUN	Tenaculum forceps	570
BRAUN	Uterine depressor	573
BRAUN STADLER	Scissor epistomy	26, 44
BREISKY	Vaginal speculum	566
BRICHER	Meniscotome	294
BROWN	Forceps	71
BRUENINGS	Extension tube	497
BRUENINGS	Forceps	442
BRUENINGS	Septatome	451
BRUENINGS	Tongue depressor	464
BRUENINGS	Tonsil snare	492
BRUNETTI	Spine chisel	278
BRUNNELL	Tendon stripper	295
BRUNNER	Intestinal forceps	534
BRUNNER	Ligature conductor	234
BRUNNER	Retractor	169
BRUNNER	Rib shear	509
BRUNS	Bandaje scissor	51
BRUNS	Bone curette	265-267
BRYANT	Swab forceps	148



BUCHWALD	Tongue depressor	464
BUCK	Ear curette	421
BUCK	Foreign bodies lever	424
BUCK	Hammer	4
BUCK GRAMCO	Bone lever	292
BUELAU	Antrum trocar	210
BUJE	Aspirating cannula	553
BUMM	Uterine curette	583
BUMM	Uterine forceps	572
BUNGE	Exenteration scoop	396
BUNNELL	Bone hand drill	302
BUNT	Clip	241
BURCH	Fixation fork	394
BURKE	Biopsy punch	576
BUSCH	Umbilical cord scissor	44
<b>C</b>		
CALIPER SPECIAL		5
CANADA	Meniscus knife	294
CAPLAN		445
CARMALT	Forceps, splinter	78-79
CARPENTER	Tonsil knife	489
CASPAR	Dissector micro	333-334
CASPAR	Periosteal	286
CASPAR	Retractor	327
CASPAR	Rongeur	347-351
CASPAR	Spreader	182-189
CASPAR	Tamper	272
CASPAR-RING		359
HANDLE PHYNOX		360
CASTANEDA	Clamp	139
CASTANEDA	Forceps neonatal atraumatic	138
CASTANEDA	Sperader	512
CASTROVIEJO	Breaker, blade	15
CASTROVIEJO	Capsular forceps	408
CASTROVIEJO	Cyclodialysis spatula	397
CASTROVIEJO	Eye speculum	392
CASTROVIEJO	Fixation forceps	407
CASTROVIEJO	Iridectomy scissor	57-59
CASTROVIEJO	Keratome	393
CASTROVIEJO	Lachrymal dilator, marker	398
CASTROVIEJO	Lachrymal dilator	399
CASTROVIEJO	Needleholder	225
CASTROVIEJO	Suturing forceps	409
CASTROVIEJO	Trephine	413
CHAPUT	Forceps hemostatic	101
CHARNLEY	Retractor	188
CHARRIERE	Amputation saw	298
CHEATLE	Sterilizing forceps	240
CHERON	Swab forceps	148
CHEVALIER-JACKSON	Forceps	498
CHILDE	Grasping forceps	238
CINELLI	Chisel	454
CIRCUNCISION INSTRUMENT	Circuncision instrument	544
CITELLI	Punch	447
CLARCK	Eye speculum	390
CLEVELAND	Rongeur	248
CLOWARD	Retractor	155
CLOWARD	Spreader	181-182
CLOWARD	Vertebral spreader	343
COAKLEY	Antrum curette	460
COAKLEY	Antrum trocar	209

COBB	Bone curette	269-270
COBB	Periosteal	283
COEXTER	Prostatic catheter	546
COLCLOUGH	Punch	356
COLLIER	Needleholder	214
COLLIN		280
COLLIN	Abdominal retractor	195
COLLIN	Clamp umbilical cord	590
COLLIN	Clip forceps	238
COLLIN	Forceps hemostatic	101
COLLIN	Handle, scalpel	14-15
COLLIN	Ovum and placenta forceps	590
COLLIN	Swab forceps	148
COLLIN	Tongue forceps	465
COLLIN	Uterine elevating forceps	572
COLLIN	Uterine sound	573
COLLIN	Vaginal speculum	558-559
COLLIN DUVAL	Forceps	73
COLLIN HARTMANN	Retractor	154
COLLIN Loktite	Abdominal retractor	195
COLLYER	Pelvimeter	590
COLVER	Tonsil forceps	490
CONE	Skull punch	329
CONE	Spreader	180
CONE	Ventricular needle	342
CONNIN	Marker	398
CONTOUR	Spreader	177
CONVERSE		459
CONVERSE	Nasal knife	449
CONVERSE	Needleholder	214
COOK	Eye speculum	391
COOLEY		170
COOLEY		9
COOLEY	Atraumatic forceps	86
COOLEY	Bulldog clamp	132-133
COOLEY	Bulldog clamp	93
COOLEY	Retractor	154
COOLEY	Valve dilator, dilator	520
COOLEY	Vena cava forceps	133-137
COOPER	Needle	233
CORDES	Forceps tip	497
CORWIN	Tonsil hemostat	491
CORYLLOS	Rib shear	508
CORYLLOS	Thorax retractor	169
COS	Wire bending forceps	426
COTTLE		282
COTTLE	Chisel	453-454
COTTLE	Nasal forceps	440
COTTLE	Nasal knife	450
COTTLE	Nasal retractor	458
COTTLE	Nasal scissor	25-38
COTTLE	Nasal speculum	439
COTTLE	Septum elevator	452
COTTLE	Forceps, bone cutting	256
KAZANJIAN		
COTTLE NEIVERT	Retractor	459
CRAFOORD	Bronchus clamp	105
CRAFOORD	Lung scissor	46

CRILE	Forceps hemostatic	97
CRILE	Needleholder	219
CRILE	Nerve hook	325
CRILE	Retractor	153
CRILE MURRAY	Needleholder	215
CRILE RANKIN	Forceps hemostatic	97
CRILE WOOD	Needleholder	215
CRITCHETT	Eye speculum	390
CROTTI	Spreader	175
CRUTCHFIELD	Traction tongs, drill	324
CULLER	Iris spatula	397
CUSCO	Vaginal speculum	559-560
CUSHING	Brain spatula	339
CUSHING	Burr	301
CUSHING	Forceps	72
CUSHING	Laminectomy rongeur	345
CUSHING	Nerve hook	325-326
CUSHING	Periosteal	287-288
CUSHING	Retractor	160-161
CUSHING	Speculum	357
LANDOLT		
CUZZI	Abortion scoop	591
CZERNY	Rectal speculum	550
CZERNY	Retractor	154
<b>D</b>		
DAHIGREN	Skull forceps	329
DALE	Forceps	126-127
DANDY	Forceps hemostatic	99
DANDY	Nerve hook	325
DANDY	Neurosurgical scissor	46
DARDIK	Forceps	120
DARLING	Spreader	180
DARTIGUES	Uterine forceps	572
DASTOOR	Erisophake	398
DASTOOR	Strabismus forceps	403
DAUBENSPECK	Bone curette	267
DAVIDSON (scapula)	Retractor	170
DAVIEL	Cataract spoon	396
DAVIS	Dura dissector	331
DAVIS	Forceps	240
DAVIS	Foreign body needle	394
DAVIS BOYLE	Mouth gag	467-468
DAVIS MEAER	Tongue depressor	470
DAY	Ear hooklet	422
DE BAKEY	Atraumatic forceps	85-87
DE BAKEY	Bulldog clamp	94
DE BAKEY	Dilator	521
DE BAKEY	Forceps	116-117, 119-120, 122-125, 127-131
DE BAKEY	Needleholder	216
DE BAKEY	Rib spreader	514
DE BAKEY	Tube, suction	8
DE BAKEY	Vascular scissor	41-42



DE BAKEY DIETRICH	Atraumatic forceps	86	DOWNING	Meniscombe	294	FERRIS SMITH KERRISON	Punch	446
DE BAKEY SATINSKY	Bulldog clamp	92	DOYEN	Burr	305	FERRIS-SMITH		444
DE BAKEY SEMB	Forceps	124	DOYEN	Director	201	FINOCHIETTO	Bronchus clamp	517
DE BAKEY-BAHNSON	Forceps	123	DOYEN	Gynecological scissor	43	FINOCHIETTO	Needleholder	219
DE BAKEY-BECK	Vena cava clamp	127	DOYEN	Intestinal forceps	532	FINOCHIETTO	Scissor	47
DE BAKEY-REYNOLDS	Anastomosis clamp	130	DOYEN	Myoma screw	578	FINOCHIETTO	Sperader	510
DE BAKEY-SATINSKY	Vena cava clamp	126	DOYEN	Periosteal	285	FINOCHIETTO baby	Sperader	510
DE MARTEL	Saw conductor	328	DOYEN	Retractor	167	FINOCHIETTO BURFORD	Sperader	511-
DE MARTEL WOLFSON	Anesthesia forceps	535	DOYEN	Towel forceps	143			512
DE VILBISS	Scull forceps	329	DOYEN	Uterine forceps	572	FINOCHIETTO infant	Sperader	511
DEAN	Iris knife	393	DOYEN	Vaginal speculum	565	FINSEN	Spreader	173
DEAN	Tonsil scissor	39	DOYEN - baby	Intestinal forceps	532	FIREEYE	Eye scissor	36
DEAVER	Retractor	157-	DOYEN JANSEN	Mouth gag	466	FISCH	Dissector	430
		158	DUBOIS	Gynecological scissor	44	FISCH	Retractor	334
DEAVER	Scissor	29	DUPLAY	Dressing forceps	149	FISCHER	Iris forceps	402
DEAVER grip	Retractor	158	DUPLAY	Tenaculum forceps	570	FISCHER	Tendon stripper	295
DECKER	Laminectomy rongeur;	343	DUPLEX		2	FLETCHER (Javerts)	Swab forceps	147
	scissor, micro.		DUPUY WEISS	Tonsil needle	489	FLEURANT	Antrum trocar	209
DECKER	Laminectomy rongeur	343	DUVAL	Forceps	73	FOERSTER	Iris forceps	401
DEJERINE	Hammer	4	DUVAL	Grasping forceps	532	FOERSTER	Swab forceps	147
DENHART	Mouth gag	466				FOMON	Chisel	454
DENNIS BROWN		193	<b>E</b>			FOMON	Nasal rasp	456-
RAHMEN adult/baby			EASTMAN		565			457
DERF	Needleholder	214	ECHILIN	Rongeur	255	FOMON	Nasal scissor	37-
DERRA	Anastomosis clamp	518	ELLIOT	Iris forceps	404			38
DERRA	Forceps	129	ELLIOT	Obstetrical forceps	587	FOMON	Nasal scissor	25
DESCHAMPS	Needle	232	ELLIOT	Trephine	413	FOMON	Retractor	458-
DESJARDINS	Gall duct clamp	109	ELIUS	Foreign body gouge	395			459
DESJARDINS	Gall stone forceps	524	ELSCHNIG	Capsular forceps	408-	FORCEPS DELICATE	Forceps	70
DESJARDINS	Gall stone probe	525			409	FORCEPS FOR ATRAU-	Bulldog clamp	94
DESJARDINS	Gall stone scoop	527	ELSCHNIG	Corneal knife	394	MATIC BULLDOG CLAMP		
DESMARRES	Chalazion forceps	411	ELSCHNIG	Fixation forceps	406	FORCEPS NARROW	Forceps	70
DESMARRES	Eye lid retractor	160	EMMET	Fistula hook	578	FOREGGER	Laryngoscope	11
DEUTSCHMANN	Catarat knife	392	ENGEL	Plaster saw	244	FOX	Lupus curette	594
DEWEY	Obstetrical	589	EPENDORFER	Biopsy punch	578	FRAENKEL	Forceps tip	497
	forceps		ERHARDT	Lid forceps	411	FRAENKEL	Polypus forceps	496
DEWIMED		29	ESMARCH	Bandage scissor	50	FRANCESCHETTI	Trephine	413
DEWIMED	Aspirating tube	340	ESMARCH	Plaster spreader	246	FRANCIS	Foreign body needle	394
DEWIMED	ligature guide,	325	EUFRATE PASQUE	Needleholder	222	FRANKLIN SILVERMANN		212
	suturing pusher		EVES	Tonsil snare	491-	FRANKLIN SILVERMANN	Needle	212
DEWIMED	Micro forceps	88-			492	FRAZIER	Aspirating tube	341-
		89	<b>F</b>					342
DEWIMED	Pituitary forceps	345	FAHLBUSCH	Curette	364	FRAZIER	Dura Hooklet	159
DEWIMED	Raspatory	326	FAHLBUSCH	Scissor micro	366	FRAZIER	Spreader	189
DEWIMED	Scissor micro	64	FARABEUF	Forceps, bone cutting	258	FREER	Gouge	455
DEWIMED	Scissor	60-	FARABEUF	Periosteal	283	FREER	Mucosa knife,	449
		62	FARABEUF	Retractor	152		septum knife	
DEWIMED	Tumor forceps	89-	FARABEUF LAMBOTTE	Forceps, bone cutting	258	FREER	Septum chisel	451-
		90	FARABEUF LAMBOTTE	Periosteal	283			453
NICOLA	Forceps	366	FARR	Spreader	173	FRIEDMAN	Rongeur	248
DIAPASON	Tuning fork	417	FARREL	Cotton applicator	204	FRIEDMAN mini	Rongeur	248
DIEFFENBACH	Serrefine	94	FARRIOR	Ear specula	416	FRIEDMANN	Perineorrhaph	566
DIETER	Malleus nipper	426	FAULKNER	Curette	460		retractor	
DIETRICH	Bulldog clamp	92	FAURE	Peritoneum forceps	110	FRITSCH	Retractor	166
DIETRICH	Forceps	131	FAURE	Uterine biopsy forceps	574	FRYKHOLM	Rongeur	255
DIETRICH	Needleholder	222	FAVALORO		46	FUCHS	Capsular forceps	409
DIETRICH	Scissor	41	FEHLAND	Intestinal forceps	534	<b>G</b>		
DINGMANN	Forceps, bone cutting	261	FEILCHENFELD	Forceps, splinter	78	GALLAHER	Antrum rasp	457
DINGMANN	Mouth gag	471	FERGUSSON	Angiotribe	99	GALT	Skull trephine	330
DINGMANN	Zygoma elevator,	473	FERGUSSON	Aspirating tube	341	GARRET		526
	zygoma hook, carti-		FERGUSSON	Forceps, bone cutting	257	GARRET	Spreader	196
	lage abrader		FERGUSSON	Gall stone scoop	526	GAST		470
DITTEL	Urethra bougie	546-	FERRIS SMITH	Forceps	73	GAUSS	Uterine forceps	589
		547	FERRIS SMITH	Laminectomy forceps	346	GELLHORN	Uterine biopsy forceps	574
DIX	Foreign body spud	395	FERRIS SMITH CUSHING	Laminectomy forceps	346	GELPI	Perineal retractor	194
DIX	Gouge, Needle,	398	FERRIS SMITH KERRISON	Laminectomy rongeur	351-	GELPI SEILETZ	Spreader	194
	Spud				354	GEMINI	Dissection forceps	104
DOCKHORN	Retractor	168				GEMINI mini	Dissection forceps	104
DOUGLAS	Antrum trocar	209						
DOUGLAS	Cilia forceps	414						

GEMINI mini	Thorax forceps	104	GUYON	Pedicle clamp	109-110	HEGENBARTH	Clip applying forceps,Clip	238
GERALD	Forceps	75-76	GUYTON-LUNDS	Sclerotome	394	HEIFETZ	Brain spatula	339
GERSTER	Traction bar	263	GAARD			HEIFETZ	Tumor forceps	89
GERZOG	Hammer	280				HEISS	Forceps hemostatic	102
GIERTZ STILLE	Rib shear	509	<b>H</b>			HEISTER	Mouth gag	466
GIGLI	Handle for wire saw	329	HABERER	Retractor	156	HEMOSTATIC		103
GILL	Corneal knife	394	HAGLUND STILLE	Plaster spreader	246	VASECTOMY FORCEPS		
GILL	Iris forceps	402	HAIGHT	Rib spreader	513	HENKE	Elevator tonsil	488
GILL ARRUGA	Capsular forceps	408	HAIJK	Gouge	455	HENLEY	Spreader	176
GILLIES	Forceps	75	HAIJK BALLENGER	Septum elevator	452	HENNIG	Plaster spreader	246
GILLIES	Hooklet	459	HAIJK CLAUS	Antrum punch	448	HERRICK	Pedicle clamp	110
GILLIES	Needleholder	221	HAIJK KOFLER	Punch	446	HESS	Capsular forceps	409
GILLS WELSCH	Catarat scissor	58	HAKANSSON	Rongeur	250	HESS	Iris forceps	402
GLOVER	Bulldog clamp	92	HALLE	Bone curette	268	HEYMANN	Nasal forceps	442
GLOVER	Forceps	118-119	HALLE	Dura knife	333	HEYMANN	Nasal scissor	24-25, 37
GLOVER	Forceps	130	HALSEY	Needleholder	215	HEYMANN KNIGHT	Nasal forceps	441
GLOVER	Vascular clamp	94	HALSTED	Forceps	116	HEYWOOD SMITH	Pile forceps	555
GLUCK	Rib shear	508	HALSTED MOSQUITO	Forceps	95-96	HIBBS	Osteotome	277-278
GOELET	Retractor	154	HALSTED MOSQUITO	Forceps	96	HIBBS	Retractor	169
GOLDMAN FOX	Gum scissors	48	micro			HIRSCHMANN	Anoscope	552
GOLDSTEIN	Eye speculum	392	HAMBURG	Cannula buttoned	412	HOEN	Hemilaminectomy retractor	177
GOOD	Tonsil scissor	39	HANDPIECE ONLY		271	HOESEL	Needleholder	220
GOODELL	Uterine dilator	569	HANK	Uterine dilator	568-569	HOFER	Pillar retractor	488
GORNEY	Scissor	31	HARDY	Aspirating tube	342	HOKE	Chisel	277
GOSSET	Abdominal retractor	190	HARDY	Dissector micro	365	HOLSHER	Nerve root retractor	328
GOSSET baby	Abdominal retractor	190	HARDY	Dissector, enucleator;	363-364	HOLTH	Corneoscleral punch	398
GRADLE	Cilia forceps	414	HARDY	fork, implant	364	HOMANN	Bone lever	290-291
GRAEFE	Cataract spoon	396	HARDY	Sella punch	357	HOMANN ALDINGER	Bone lever	292
GRAEFE	Cataract knife	392	HARDY FAHLBUSCH	Dissector	364	HOMANN mini	Bone lever	292
GRAEFE	Cystotome,	395	HARGIS		484	HOOK FOR VASECTOMY	Retractor	161
	strabismus hook		HARKEN	Auricle clamp	518	HOPKINS	Plaster spreader	246
GRAEFE	Eye scissor	36	HARKEN	Forceps	126	HORSLEY	Dura dissector	332
GRAEFE	Eye speculum	390	HARMS	Trabecular probe	399	HOSOBUCHI	Bifurcated spatula	364
GRAEFE	Fixation forceps	407	HARRINGTON	Bronchus clamp	517	HOUGH		434
GRAEFE	Forceps	71	HARRINGTON	Retractor	158	HOUSE		433
GRAEFE	Iris forceps	399-400	HARRISON		433	HOUSE	Curette	430-431
			HARTMAN	Ear forceps	423			431
GRAEFE	Scarifier	393	HARTMAN	Ear specula	416	HOUSE	Suction and irrigation tube	420
GRAEFE (iris)	Hooklet	159	HARTMAN	Tuning fork	418	HRYNTSCHAK	Prostatic retractor	542
GRAHAM	Nerve hook	326	HARTMANN	Ear catheter	421	HUBER	Handle universal	497
GRAVE	Vaginal speculum	558	HARTMANN	Forceps ear	424-425	HUDSON	Brace	301
GRAY	Gall duct clamp	109	HARTMANN	Forceps	95	HUMBY	Dermatome spare blade	17
GREEN		166		hemostatic		HUMBY	Dermatome	17
GREEN	Corneal dissector,	395	HARTMANN	Intestinal forceps	532-533	HUNT	Tumor forceps	89
	muscular hook					HUNTER	Forceps, splinter	78
GREEN	Corneal dissector	395	HARTMANN	Nasal forceps	444	HURD	Tonsil dissector	488
GREEN	Fixation forceps	407	HARTMANN	Nasal polypus	441			
GREEN ARMYTAGE	Clamp umbilical cord	589		forceps		<b>I</b>		
GREENE	Uterine curette	584	HARTMANN	Tongue depressor	464	INGE	Vertebral spreader	343
GREGORY	Bulldog clamp	93	HARTMANN baby	Forceps hemostatic	95	IOWA	Vulsellum forceps	571
GREGORY	Forceps	132	HARTMANN HALLE	Nasal speculum	438	IRIS	Scissor	24, 34
GREGORY	Forceps	88	HARTMANN	Forceps ear	425			
WHEELER			HARTMANN-	Forceps ear	424	IRIS STANDARD	Scissor	35
GRIP		308	WULLSTEIN			ISRAEL	Retractor	166
GROSS	Dressing forceps	146	HASLINGER	Palate retractor	488	ITARD	Ear catheter	421
GROSS	Spoon and hook ear	422	HAUGH	Ear forceps	426	ITERSON	Tracheal hook	502
GROSS MAIER	Dressing forceps	146	HEANEY	Hysterectomy forceps	112	IVES-FANSLER	Anoscope	551
GRUBER	Ear specula	416	HEANEY	Needleholder	217			
GUEDEL NEGUS	Blade	12	HEANEY	Retractor	168	<b>J</b>		
GUILFORD-WRIGHT		431	HEATH	Ligature Scissor	48	JACKSON	Hook tracheal	502
GUILFORD-WRIGHT		434	HEBRA	Chalazion curette	396	JACKSON	Tampon forceps	496
GUNNAR HEY	Roller forceps	113	HEGAR	Uterine dilator	567-568	JACKSON	Tracheal cannula	504
GUTHRIE	Hooklet	159				JACKSON	Vaginal speculum	564
GUTMANN	Secretion scoop	545				JACOBS	Vulsellum forceps	571
GUYON	Dilating bougie	546						
GUYON	Dilator	545						
GUYON	Mandrel for catheter	545						

JACOBSON	Needleholder micro	226	KEYES	Cutaneous punch	595	LANDOLT	Hook, curette, enucleator	364
JAEGER	Lid plate	392	KIELLAND	Obstetrical forceps	586-587	LANDOLT	Nasal scissor	38
JAMESON	Strabismus forceps	403	KILLIAN	Cannula	448	LANDOLT	Periosteal	286
JAMESON	Strabismus hook	395	KILLIAN	Septum elevator	452	LANDOLT	Scalpel handle micro	493
JAMISON	Needleholder	217	KILLIAN	Septum speculum	439	LANDOLT	Spreader	357
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JANSEN	Nasal forceps	440	KILNER		459	REULEN	Curette	364
JANSEN	Rongeur	251	KILNER	Scissor	33	LANDOLT REULEN	Curette	364
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JANSEN GIFFORD	Spreader	174	KILNER DOUGHTY	Mouth gag	468	LANE	Forceps, bone cutting	260
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JARCHO	Tenaculum forceps	570	KIRK	Hammer	280	LANE	Screw driver	312
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JOSEPH	Periosteal elevator	452	KOCHER	Spreader	174	LEBSCHKE	Sternum chisel	278
JOSEPH	Scissor	33	KOCHER WAGNER	Retractor	167	LEBSCHKE	Wire saw guide	328
JOSEPH LEWIS	Nasal rasp	456	KOENIG		292	LEE	Obstetrical forceps	586
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JUDD MASSON	Bladder retractor	542	KOENIG	Suturing needle	236	LEGUEU	Bladder retractor	541, 543
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12.471.16	106	13.082.16	116	13.229.23	123	13.341.23	131	13.502.03	138	16.110.27	146
12.471.18	106	13.082.18	116	13.229.25	124	13.343.18	131	13.502.04	138	16.111.20	146
12.471.23	106	13.082.20	116	13.231.18	124	13.343.19	132	13.502.05	138	16.111.22	146
12.473.22	107	13.083.14	116	13.231.21	124	13.349.14	132	13.502.06	138	16.111.25	146
12.475.14	107	13.083.16	116	13.231.23	124	13.349.16	132	13.502.07	138	16.111.27	146
12.475.18	107	13.083.18	116	13.231.27	124	13.349.18	132	13.502.08	138	16.114.18	146
12.477.15	107	13.083.20	116	13.241.25	124	13.350.13	132	13.502.09	138	16.115.18	146
12.477.19	107	13.084.16	116	13.241.26	124	13.351.13	132	13.503.01	138	16.160.22	146
12.479.22	107	13.085.16	116	13.247.27	125	13.353.13	132	13.503.02	138	16.160.25	146
12.479.25	107	13.102.12	116	13.251.20	125	13.355.13	132	13.503.03	138	16.161.22	146
12.479.28	107	13.103.12	116	13.251.24	125	13.357.12	132	13.503.04	138	16.161.25	146
12.480.15	108	13.111.12	117	13.251.25	125	13.359.10	132	13.503.05	138	16.170.18	147
12.480.18	108	13.113.12	117	13.251.30	125	13.361.12	133	13.503.06	138	16.170.20	147
12.481.15	108	13.121.12	117	13.253.20	125	13.363.13	133	13.503.07	138	16.170.25	147
12.481.18	108	13.131.23	117	13.253.24	125	13.371.24	133	13.503.08	138	16.171.18	147
12.491.19	108	13.131.25	117	13.253.25	126	13.371.26	133	13.503.09	138	16.171.20	147
12.493.23	108	13.133.25	117	13.253.26	126	13.373.28	133	13.505.01	138	16.171.25	147
12.495.18	108	13.140.20	118	13.253.27	126	13.373.30	133	13.505.02	138	16.172.18	147
12.497.20	108	13.140.22	118	13.259.01	126	13.373.32	133	13.505.03	138	16.172.25	147
12.501.23	108	13.140.26	118	13.259.02	126	13.373.36	133	13.505.04	138	16.173.18	147
12.503.21	109	13.141.20	118	13.261.23	126	13.376.14	133	13.505.05	138	16.173.25	147
12.505.21	109	13.141.22	118	13.261.24	126	13.376.16	133	13.505.06	138	16.174.25	147
12.507.22	109	13.141.26	118	13.261.25	126	13.377.14	133	13.505.07	138	16.175.25	147
12.507.23	109	13.151.21	118	13.263.25	126	13.377.16	133	13.505.08	138	16.180.25	147
12.509.22	109	13.151.24	118	13.265.24	126	13.379.14	133	13.505.09	138	16.182.25	147
12.509.23	109	13.153.18	119	13.267.24	126	13.380.14	133	13.515.46	139	16.183.25	147
12.513.23	109	13.153.22	119	13.269.24	126	13.381.14	134	13.515.48	139	16.207.13	148
12.515.23	109	13.161.21	119	13.271.18	126	13.405.27	134	13.515.50	139	16.210.13	148
12.517.23	109	13.170.19	119	13.273.17	127	13.410.17	134	13.515.52	139	16.210.16	148
		13.170.22	119	13.273.18	127	13.411.17	134	13.515.56	139	16.210.18	148

## 14

14.101.09	142
14.103.09	142
14.105.09	142
14.111.09	142
14.111.11	142
14.111.13	142
14.111.15	142
14.115.11	142
14.117.13	142
14.121.09	143
14.121.11	143
14.121.13	143
14.123.11	143
14.123.13	143
14.140.16	143
14.150.19	143
14.161.14	143
14.161.18	143
14.164.13	143
14.164.15	143
14.164.20	143

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16.110.20	146
16.110.22	146
16.110.25	146
16.110.27	146
16.111.20	146
16.111.22	146
16.111.25	146
16.111.27	146
16.114.18	146
16.115.18	146
16.160.22	146
16.160.25	146
16.161.22	146
16.161.25	146
16.170.18	147
16.170.20	147
16.170.25	147
16.171.18	147
16.171.20	147
16.171.25	147
16.172.18	147
16.172.25	147
16.173.18	147
16.173.25	147
16.174.25	147
16.175.25	147
16.180.25	147
16.182.25	147
16.183.25	147
16.207.13	148
16.210.13	148
16.210.16	148
16.210.18	148

16.220.25	148	18.170.40	156	18.235.00	161	18.312.01	164	18.397.67	168	18.620.07	173
16.226.25	148	18.170.50	156	18.235.03	161	18.312.02	164	18.480.22	168	18.620.10	173
16.227.25	148	18.174.17	156	18.235.04	161	18.312.03	164	18.480.27	168	18.621.07	173
16.229.25	148	18.174.25	156	18.235.06	161	18.312.04	164	18.482.45	168	18.621.10	173
16.230.26	149	18.174.37	156	18.240.10	161	18.312.05	164	18.482.73	168	18.622.24	173
16.231.26	149	18.175.28	156	18.240.20	161	18.312.06	164	18.482.82	168	18.624.10	174
16.233.26	149	18.180.19	157	18.242.08	161	18.312.07	164	18.488.24	169	18.628.10	174
16.244.17	149	18.181.22	157	18.242.10	161	18.314.07	164	18.490.22	169	18.629.10	174
16.245.17	149	18.181.25	157	18.242.12	161	18.314.10	164	18.490.38	169	18.630.10	174
16.247.20	149	18.183.25	157	18.242.14	161	18.314.15	164	18.490.43	169	18.631.10	174
<b>18</b>		18.185.25	157	18.242.16	161	18.314.20	164	18.490.65	169	18.632.11	174
18.102.12	152	18.187.25	157	18.242.18	161	18.315.21	164	18.492.08	169	18.634.10	174
18.102.15	152	18.187.38	158	18.244.01	161	18.315.22	164	18.492.10	169	18.635.10	174
18.110.13	152	18.187.50	158	18.244.02	161	18.317.21	165	18.492.12	169	18.640.16	174
18.110.18	152	18.187.75	158	18.245.01	161	18.318.40	165	18.492.13	169	18.642.18	175
18.112.15	152	18.189.25	158	18.246.16	162	18.318.57	165	18.492.14	169	18.650.10	175
18.120.00	152	18.189.38	158	18.246.24	162	18.318.60	165	18.492.16	169	18.651.10	175
18.120.14	152	18.189.50	158	18.248.10	162	18.318.61	165	18.492.18	169	18.654.13	175
18.120.15	152	18.189.75	158	18.270.02	162	18.318.75	165	18.492.25	169	18.655.13	175
18.120.17	152	18.191.25	158	18.270.03	162	18.318.78	165	18.494.45	169	18.656.13	175
18.121.01	153	18.191.40	158	18.270.04	162	18.330.40	165	18.494.60	169	18.656.15	175
18.121.02	153	18.191.62	158	18.270.06	162	18.330.55	165	18.494.75	169	18.656.16	175
18.121.03	153	18.210.12	159	18.271.02	162	18.332.19	165	18.496.50	170	18.657.11	175
18.122.13	153	18.210.16	159	18.271.03	162	18.332.21	165	18.496.90	170	18.659.11	175
18.124.15	153	18.211.12	159	18.271.04	162	18.340.10	165	18.497.01	170	18.660.16	176
18.127.11	153	18.211.16	159	18.271.06	162	18.340.15	165	18.497.02	170	18.661.16	176
18.128.11	153	18.212.01	159	18.279.04	162	18.340.20	165	18.497.03	170	18.661.17	176
18.131.21	153	18.212.02	159	18.279.06	162	18.344.14	165	18.498.01	170	18.661.18	176
18.134.01	154	18.214.13	159	18.280.01	162	18.344.20	165	18.498.02	170	18.661.19	176
18.134.02	154	18.214.18	159	18.280.02	162	18.344.26	165	18.498.03	170	18.668.13	176
18.134.20	154	18.216.01	159	18.280.03	162	18.348.22	166	18.504.13	171	18.669.13	176
18.135.19	154	18.216.02	159	18.280.04	162	18.360.02	166	18.506.15	171	18.670.14	176
18.136.20	154	18.216.05	159	18.280.06	162	18.360.03	166	18.508.15	171	18.670.16	176
18.137.16	154	18.216.07	159	18.280.08	162	18.360.04	166	18.510.01	171	18.670.20	176
18.138.38	154	18.216.10	159	18.281.01	162	18.361.04	166	18.510.02	171	18.670.25	176
18.138.45	154	18.220.01	159	18.281.02	162	18.364.40	166	18.512.01	171	18.670.26	176
18.140.00	154	18.220.02	159	18.281.03	162	18.364.50	166	18.512.02	171	18.671.14	176
18.140.01	154	18.220.03	159	18.281.04	162	18.364.60	166	18.512.03	171	18.671.16	177
18.140.02	154	18.220.04	159	18.281.06	162	18.364.70	166	18.513.01	171	18.671.20	177
18.150.01	154	18.221.01	159	18.284.02	162	18.366.08	166	18.513.02	171	18.671.25	177
18.150.02	154	18.221.02	159	18.284.03	162	18.367.08	166	18.513.03	171	18.671.26	177
18.150.03	154	18.221.03	159	18.284.04	162	18.370.40	166	18.514.01	171	18.672.17	177
18.150.04	154	18.221.04	159	18.284.06	162	18.370.50	166	18.514.02	171	18.672.26	177
18.152.25	155	18.224.04	160	18.285.02	162	18.370.60	166	18.514.03	171	18.672.29	177
18.152.31	155	18.225.04	160	18.285.03	162	18.370.75	166	18.515.01	172	18.672.30	177
18.152.38	155	18.226.02	160	18.285.04	162	18.372.22	167	18.515.02	172	18.672.32	177
18.152.51	155	18.226.03	160	18.285.06	162	18.374.45	167	18.515.03	172	18.672.33	177
18.152.64	155	18.226.04	160	18.290.01	163	18.374.55	167	18.516.03	172	18.673.14	177
18.156.26	155	18.227.02	160	18.290.02	163	18.374.65	167	18.517.15	172	18.675.16	177
18.158.51	155	18.227.03	160	18.290.03	163	18.378.25	167	18.518.15	172	18.676.22	177
18.158.64	155	18.227.04	160	18.290.04	163	18.380.35	167	18.518.20	172	18.678.20	178
18.158.76	155	18.228.03	160	18.290.06	163	18.380.50	167	18.518.25	172	18.680.19	178
18.158.82	155	18.228.12	160	18.291.01	163	18.381.35	167	18.518.30	172	18.681.19	178
18.160.17	155	18.228.14	160	18.291.02	163	18.381.50	167	18.519.12	172	18.682.26	178
18.161.17	155	18.228.16	160	18.291.03	163	18.382.50	167	18.519.14	172	18.682.27	178
18.165.18	155	18.228.18	160	18.291.04	163	18.382.55	167	18.519.16	172	18.683.26	178
18.165.20	155	18.230.08	160	18.291.06	163	18.383.15	167	18.520.15	172	18.683.27	178
18.165.23	155	18.230.10	160	18.302.01	163	18.383.20	167	18.521.16	172	18.684.16	178
18.167.25	155	18.230.12	160	18.302.02	163	18.383.25	167	18.522.16	172	18.685.16	178
18.168.06	156	18.230.14	160	18.302.03	163	18.383.35	167	18.602.07	173	18.686.32	179
18.168.09	156	18.230.16	160	18.302.04	163	18.385.38	168	18.602.11	173	18.687.27	179
18.168.12	156	18.230.18	160	18.302.05	163	18.385.57	168	18.603.08	173	18.688.27	179
18.168.17	156	18.232.08	160	18.302.06	163	18.390.38	168	18.603.11	173	18.689.27	179
18.168.20	156	18.232.10	160	18.304.19	163	18.390.51	168	18.608.38	173	18.690.00	179
18.168.25	156	18.232.12	160	18.306.20	163	18.390.64	168	18.608.50	173	18.690.01	179
18.170.19	156	18.232.14	160	18.310.01	163	18.392.01	168	18.608.57	173	18.690.02	179
18.170.25	156	18.232.16	160	18.310.02	163	18.392.02	168	18.608.64	173	18.690.03	179
18.170.32	156	18.232.18	160	18.310.03	163	18.392.03	168	18.608.75	173	18.690.31	179
		18.234.20	161	18.310.04	163	18.396.40	168	18.610.07	173	18.691.31	179
		18.234.21	161	18.310.05	163	18.396.55	168	18.611.07	173	18.692.32	180

18.693.15	180	18.725.00	184	18.737.02	187	18.802.18	194	20.106.25	200	20.331.25	205
18.694.16	180	18.725.11	184	18.738.00	187	18.804.18	194	20.106.30	200	20.340.45	205
18.694.20	180	18.725.40	184	18.738.01	187	18.805.21	194	20.108.14	201		
18.696.18	180	18.725.45	184	18.738.35	187	18.806.18	194	20.108.20	201		
18.698.18	180	18.725.50	184	18.738.40	187	18.807.16	194	20.110.13	201		
18.707.01	180	18.725.55	184	18.738.45	187	18.808.16	195	20.110.14	201	22.104.00	208
18.707.02	180	18.725.60	184	18.738.50	187	18.810.22	195	20.110.16	201	22.110.30	208
18.708.01	180	18.726.50	184	18.738.55	187	18.812.60	195	20.110.18	201	22.110.35	208
18.708.02	180	18.726.60	184	18.738.60	187	18.812.80	195	20.110.20	201	22.110.40	208
18.709.00	181	18.727.40	184	18.740.00	187	18.816.00	195	20.111.14	201	22.110.45	208
18.709.05	181	18.727.45	184	18.740.15	187	18.817.00	195	20.112.13	201	22.110.50	208
18.709.10	181	18.727.50	184	18.744.00	188	18.822.28	196	20.112.14	201	22.110.55	208
18.709.11	181	18.727.55	184	18.744.17	188	18.822.30	196	20.112.16	201	22.110.60	208
18.709.16	181	18.727.60	184	18.745.40	188	18.824.00	196	20.115.10	201	22.120.30	208
18.709.17	181	18.728.40	184	18.745.45	188	18.830.01	196	20.117.16	201	22.120.35	208
18.709.20	181	18.728.45	184	18.745.50	188	18.830.02	196	20.120.19	201	22.120.40	208
18.710.00	181	18.728.50	184	18.745.55	188	18.831.19	196	20.150.00	202	22.120.45	208
18.710.01	181	18.728.55	184	18.745.60	188	18.835.09	196	20.150.02	202	22.120.50	208
18.710.40	181	18.728.60	184	18.745.65	188	18.835.10	196	20.150.03	202	22.120.55	208
18.710.45	181	18.729.00	185	18.745.70	188	18.835.12	196	20.150.06	202	22.120.60	208
18.710.50	181	18.729.01	185	18.747.45	188	18.835.13	196	20.150.09	202	22.123.30	208
18.710.55	181	18.729.02	185	18.747.50	188	18.835.15	196	20.150.12	202	22.123.40	208
18.710.60	181	18.729.06	185	18.747.55	188	18.850.18	196	20.150.15	202	22.123.50	208
18.711.00	181	18.729.07	185	18.747.60	188	18.853.20	197	20.150.80	202	22.125.11	209
18.711.01	181	18.729.11	185	18.747.65	188	18.860.19	197	20.150.90	202	22.127.23	209
18.711.40	182	18.729.12	185	18.748.40	189	18.861.01	197	20.154.06	202	22.128.19	209
18.711.45	182	18.729.13	185	18.748.45	189	18.861.02	197	20.154.09	202	22.140.02	209
18.711.50	182	18.729.41	185	18.748.50	189	18.870.00	197	20.154.12	202	22.150.10	209
18.711.55	182	18.729.42	185	18.748.55	189	18.870.19	197	20.154.15	202	22.150.12	209
18.711.60	182	18.729.43	185	18.748.60	189	18.873.16	197	20.154.48	203	22.150.14	209
18.712.18	182	18.729.44	185	18.749.00	188	18.873.20	197	20.156.72	203	22.150.16	209
18.713.18	182	18.729.46	185	18.749.01	188	18.873.25	197	20.156.96	203	22.150.18	209
18.714.32	182	18.729.47	185	18.749.02	188	18.875.05	197	20.160.04	203	22.150.20	209
18.714.54	182	18.729.50	185	18.749.15	189	18.875.11	197	20.160.06	203	22.160.24	210
18.714.60	182	18.730.00	185	18.749.70	189	18.875.21	197	20.160.07	203	22.170.25	210
18.714.61	182	18.730.15	185	18.754.00	189	18.875.50	198	20.160.08	203	22.170.30	210
18.716.45	182	18.731.50	186	18.758.85	189	18.881.50	198	20.160.10	203	22.170.33	210
18.716.50	182	18.731.70	186	18.760.12	190	18.881.70	198	20.160.12	203	22.170.35	210
18.716.55	182	18.732.35	186	18.760.14	190	18.882.50	198	20.160.14	203	22.210.00	210
18.716.60	182	18.732.40	186	18.762.16	190	18.882.70	198	20.162.12	203	22.210.01	210
18.716.65	182	18.732.45	186	18.764.18	190	18.902.10	198	20.167.01	204	22.230.07	210
18.718.40	182	18.732.50	186	18.764.20	191	18.903.00	198	20.167.02	204	22.230.10	210
18.718.45	182	18.732.55	186	18.764.25	191			20.167.03	204	22.230.12	210
18.718.50	182	18.732.60	186	18.765.45	191			20.170.03	204	22.232.07	210
18.718.55	182	18.732.65	186	18.765.70	191			20.170.04	204	22.232.10	210
18.718.60	182	18.732.70	186	18.765.80	191			20.170.05	204	22.232.12	210
18.719.40	183	18.733.35	186	18.766.90	191	20.102.11	200	20.170.06	204	22.234.07	210
18.719.45	183	18.733.40	186	18.780.00	192	20.102.13	200	20.170.06	204	22.236.10	210
18.719.50	183	18.733.45	186	18.780.01	192	20.102.14	200	20.190.13	204	22.236.12	210
18.719.55	183	18.733.50	186	18.781.35	192	20.102.16	200	20.190.14	204	22.250.20	211
18.719.60	183	18.733.55	186	18.781.50	192	20.102.18	200	20.270.12	204	22.302.01	211
18.720.00	183	18.733.60	186	18.781.50	192	20.102.20	200	20.270.14	204	22.302.02	211
18.720.00	183	18.733.60	186	18.781.55	192	20.102.25	200	20.270.16	204	22.302.02	211
18.720.15	183	18.733.65	186	18.781.65	192	20.104.11	200	20.270.18	204	22.302.03	211
18.720.45	183	18.733.70	186	18.781.90	192	20.104.11	200	20.270.23	204	22.302.04	211
18.720.50	183	18.734.35	186	18.782.50	192	20.104.14	200	20.272.12	205	22.302.05	211
18.720.55	183	18.734.40	186	18.783.55	192	20.104.16	200	20.272.14	205	22.302.06	211
18.720.60	183	18.734.45	186	18.784.00	193	20.104.18	200	20.272.16	205	22.302.07	211
18.720.65	183	18.734.50	186	18.784.00	193	20.104.20	200	20.272.18	205	22.302.08	211
18.721.00	183	18.734.55	186	18.784.52	193	20.104.25	200	20.272.23	205	22.310.14	211
18.721.15	183	18.734.60	186	18.784.61	193	20.105.11	200	20.290.12	205	22.310.18	211
18.722.11	183	18.734.65	186	18.784.62	193	20.105.13	200	20.290.14	205	22.312.14	211
18.723.00	183	18.734.70	186	18.784.64	193	20.105.14	200	20.290.16	205	22.312.18	211
18.723.12	183	18.736.00	186	18.798.00	193	20.105.16	200	20.290.18	205	22.314.05	211
18.724.00	184	18.736.01	186	18.798.12	193	20.105.20	200	20.292.12	205	22.314.10	211
18.724.11	184	18.736.02	186	18.798.45	193	20.106.11	200	20.292.14	205	22.315.05	211
18.724.40	184	18.736.10	186	18.798.65	193	20.106.13	200	20.292.16	205	22.315.10	211
18.724.45	184	18.736.11	186	18.802.09	194	20.106.14	200	20.292.18	205	22.315.20	211
18.724.50	184	18.736.20	186	18.802.11	194	20.106.16	200	20.310.15	205	22.330.14	212
18.724.55	184	18.737.00	187	18.802.14	194	20.106.18	200	20.320.12	205	22.330.20	212
18.724.60	184	18.737.01	187	18.802.16	194	20.106.20	200	20.320.18	205	22.350.20	212

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22.350.30	212	24.224.18 TC	216	24.454.20 TC	222	24.800.21	229	24.818.14	230	26.289.22	234
22.352.15	212	24.224.20 TC	216	24.460.20	222	24.800.23	229	24.818.18	230	26.291.18	234
22.352.20	212	24.224.23 TC	216	24.460.23	222	24.801.14	229	24.818.21	230	26.291.27	234
22.353.12	212	24.224.26 TC	216	24.464.20	222	24.801.18	229	24.818.23	230	26.403.01	235
22.353.14	212	24.230.23	217	24.464.23 TC	222	24.801.21	229	24.819.14	230	26.403.02	235
22.353.16	212	24.234.23 TC	217	24.610.11	222	24.801.23	229	24.819.18	230	26.403.03	235
22.354.20	212	24.241.21	217	24.612.13	222	24.802.14	229	24.819.21	230	26.403.04	235
22.354.25	212	24.244.15 TC	217	24.612.15	222	24.802.18	229	24.819.23	230	26.403.05	235
22.356.15	212	24.244.17 TC	217	24.614.12	222	24.802.21	229	24.820.14	230	26.403.06	235
22.356.20	212	24.244.20 TC	217	24.620.16	223	24.802.23	229	24.820.18	230	26.403.07	235
22.372.06	212	24.245.21 TC	217	24.624.16	223	24.803.14	229	24.820.21	230	26.403.08	235
		24.250.27	217	24.627.14	223	24.803.18	229	24.820.23	230	26.403.09	235
		24.254.27 TC	217	24.628.14	223	24.803.21	229	24.821.14	230	26.403.10	235
		24.260.27	217	24.650.10	223	24.803.23	229	24.821.18	230	26.403.11	235
		24.264.27 TC	217	24.651.10	223	24.804.14	229	24.821.21	230	26.403.12	235
		24.270.27	218	24.652.12	223	24.804.18	229	24.821.23	230	26.403.13	235
		24.274.27 TC	218	24.653.18	223	24.804.21	229	24.822.14	230	26.403.14	235
		24.285.20 TC	218	24.654.15	223	24.804.23	229	24.822.18	230	26.403.15	235
		24.285.24 TC	218	24.655.15	223	24.805.14	229	24.822.21	230	26.403.16	235
		24.285.26 TC	218	24.656.18	223	24.805.18	229	24.822.23	230	26.413.01	235
		24.290.18	218	24.661.12	224	24.805.21	229	24.824.14	230	26.413.02	235
		24.292.18	218	24.661.13	224	24.805.23	229	24.824.18	230	26.413.03	235
		24.293.27	218	24.662.12	224	24.806.14	229	24.824.21	230	26.413.04	235
		24.311.20	219	24.663.12	224	24.806.18	229	24.824.23	230	26.413.05	235
		24.311.27	219	24.664.15	224	24.806.21	229			26.413.06	235
		24.315.20 TC	219	24.665.13 TC	224	24.806.23	229			26.413.07	235
		24.315.27 TC	219	24.666.18	224	24.807.14	229			26.413.08	235
		24.320.18	219	24.667.15	224	24.807.18	229	26.110.21	232	26.413.09	235
		24.320.26	219	24.667.18	224	24.807.21	229	26.110.24	232	26.413.10	235
		24.324.18 TC	219	24.667.23	224	24.807.23	229	26.110.27	232	26.413.11	235
		24.324.26 TC	219	24.670.14	225	24.808.14	229	26.111.21	232	26.413.12	235
		24.330.23	219	24.671.14	225	24.808.18	229	26.111.24	232	26.413.13	235
		24.334.23 TC	219	24.674.14 TC	225	24.808.21	229	26.111.27	232	26.413.14	235
		24.350.15	219	24.674.18 TC	225	24.808.23	229	26.120.21	232	26.413.15	235
		24.360.18	219	24.674.21 TC	225	24.809.14	229	26.120.24	232	26.413.16	235
		24.364.18 TC	219	24.675.14 TC	225	24.809.18	229	26.120.27	232	26.423.01	235
		24.367.25	220	24.675.18 TC	225	24.809.21	229	26.121.21	232	26.423.02	235
		24.370.14	220	24.675.21 TC	225	24.809.23	229	26.121.24	232	26.423.03	235
		24.370.17	220	24.676.14	225	24.810.14	229	26.121.27	232	26.423.04	235
		24.370.20	220	24.677.14	225	24.810.18	229	26.130.13	232	26.423.05	235
		24.370.24	220	24.678.14 TC	225	24.810.21	229	26.131.13	232	26.423.06	235
		24.374.14 TC	220	24.678.18 TC	225	24.810.23	229	26.133.24	232	26.423.07	235
		24.374.17 TC	220	24.680.13	225	24.811.14	229	26.135.24	232	26.423.08	235
		24.374.20 TC	220	24.684.13 TC	225	24.811.18	229	26.139.19	233	26.423.09	235
		24.374.24 TC	220	24.686.14 TC	225	24.811.21	229	26.201.15	233	26.423.10	235
		24.380.17	220	24.687.14 TC	225	24.811.23	229	26.201.19	233	26.423.11	235
		24.380.20	220	24.690.16	226	24.812.14	229	26.201.21	233	26.423.12	235
		24.384.17 TC	220	24.690.18	226	24.812.18	229	26.201.23	233	26.423.13	235
		24.384.20 TC	220	24.691.16	226	24.812.21	229	26.202.15	233	26.423.14	235
		24.390.14	220	24.691.18	226	24.812.23	229	26.202.19	233	26.423.15	235
		24.390.17	220	24.710.16	227	24.813.14	229	26.202.21	233	26.423.16	235
		24.394.14 TC	220	24.710.20	227	24.813.18	229	26.202.23	233	26.433.01	236
		24.394.17 TC	220	24.710.22	228	24.813.21	229	26.203.15	233	26.433.02	236
		24.404.18 TC	221	24.710.24	228	24.813.23	229	26.203.19	233	26.433.03	236
		24.404.20 TC	221	24.711.16	227	24.814.14	229	26.203.21	233	26.433.04	236
		24.410.14	221	24.711.20	227	24.814.18	229	26.203.23	233	26.433.05	236
		24.410.18	221	24.711.22	228	24.814.21	229	26.204.15	233	26.433.06	236
		24.414.14 TC	221	24.711.24	228	24.814.23	229	26.204.19	233	26.433.07	236
		24.414.18 TC	221	24.712.16	227	24.815.14	229	26.204.21	233	26.433.08	236
		24.420.17	221	24.712.20	227	24.815.18	229	26.204.23	233	26.433.09	236
		24.424.17 TC	221	24.712.22	228	24.815.21	229	26.204.25	233	26.441.01	236
		24.430.16	221	24.712.24	228	24.815.23	229	26.240.01	233	26.441.02	236
		24.434.16 TC	221	24.713.16	227	24.816.14	229	26.240.02	233	26.441.03	236
		24.444.16 TC	222	24.713.20	227	24.816.18	229	26.240.03	233	26.441.04	236
		24.444.18 TC	222	24.713.22	228	24.816.21	229	26.271.19	234	26.441.05	236
		24.444.20 TC	222	24.713.24	228	24.816.23	229	26.273.19	234	26.441.06	236
		24.444.23 TC	222	24.720.18	226	24.817.14	229	26.275.30	234	26.441.07	236
		24.444.26 TC	222	24.722.18	226	24.817.18	229	26.277.25	234	26.441.08	236
		24.454.14 TC	222	24.800.14	229	24.817.21	229	26.285.20	234	26.441.09	236
		24.454.18 TC	222	24.800.18	229	24.817.23	229	26.288.22	234	26.441.10	236

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32.602.14	272	32.634.06	274	32.664.10	276	32.701.02	282	32.775.14	289	33.120.23	298
32.602.16	272	32.634.09	274	32.664.12	276	32.701.19	282	32.777.13	289	33.160.00	299
32.604.08	272	32.634.13	274	32.665.04	277	32.702.15	283	32.778.06	289	33.160.01	299
32.604.10	272	32.634.16	274	32.665.06	277	32.702.16	283	32.779.06	289	33.162.13	299
32.604.12	272	32.634.19	274	32.665.08	277	32.703.15	283	32.781.06	289	33.173.00	299
32.604.14	272	32.634.25	274	32.665.10	277	32.703.16	283	32.783.03	289	33.173.01	299
32.604.16	272	32.634.32	274	32.665.12	277	32.705.05	283	32.791.17	290	33.175.00	299
32.605.08	272	32.635.06	274	32.668.03	277	32.705.10	283	32.792.22	290	33.175.01	299
32.605.10	272	32.635.09	274	32.668.05	277	32.705.15	283	32.793.30	290	33.175.99	299
32.605.12	272	32.635.13	274	32.668.06	277	32.705.20	283	32.793.34	290	33.210.20	300
32.605.14	272	32.635.16	274	32.668.08	277	32.705.25	283	32.801.08	290	33.212.25	300
32.605.16	272	32.635.19	274	32.668.09	277	32.707.10	283	32.801.18	290	33.212.30	300
32.610.04	273	32.635.25	274	32.670.06	277	32.707.13	283	32.801.43	290	33.212.35	300
32.610.06	273	32.635.32	274	32.670.13	277	32.707.19	283	32.801.70	291	33.212.40	300
32.610.08	273	32.637.06	275	32.670.19	277	32.707.25	283	32.803.43	291	33.214.05	300
32.610.10	273	32.637.09	275	32.670.25	277	32.707.30	283	32.805.22	291	33.214.08	300
32.610.12	273	32.637.13	275	32.670.32	277	32.709.21	284	32.805.33	291	33.214.10	300
32.610.14	273	32.637.16	275	32.671.06	277	32.710.06	284	32.807.24	291	33.214.12	300
32.611.04	273	32.637.19	275	32.671.13	277	32.710.09	284	32.809.22	291	33.214.16	300
32.611.06	273	32.637.25	275	32.671.19	277	32.711.18	284	32.810.24	292	33.216.10	300
32.611.08	273	32.637.32	275	32.671.25	277	32.713.16	284	32.811.06	292	33.216.15	300
32.611.10	273	32.639.06	275	32.671.32	277	32.715.16	284	32.811.08	292	33.216.20	300
32.611.12	273	32.639.09	275	32.672.06	277	32.715.20	284	32.813.15	292	33.220.24	300
32.611.14	273	32.639.13	275	32.672.13	277	32.718.04	285	32.815.05	292	33.222.25	300
32.620.02	273	32.639.16	275	32.672.19	277	32.718.07	285	32.815.06	292	33.222.30	300
32.620.03	273	32.639.19	275	32.672.25	277	32.718.09	285	32.816.15	292	33.222.35	300
32.620.04	273	32.639.25	275	32.672.32	277	32.718.12	285	32.817.15	292	33.230.28	300
32.620.05	273	32.639.32	275	32.673.06	278	32.721.17	285	32.823.26	292	33.232.00	301
32.620.06	273	32.650.04	275	32.673.13	278	32.723.17	285	32.825.26	292	33.240.27	301
32.620.07	273	32.650.06	275	32.673.19	278	32.725.17	285	32.827.17	293	33.240.99	301
32.620.08	273	32.650.08	275	32.673.25	278	32.727.17	285	32.828.32	293	33.242.09	301
32.620.10	273	32.650.10	275	32.673.32	278	32.729.01	285	32.828.45	293	33.242.14	301
32.620.12	273	32.650.13	275	32.675.06	278	32.729.02	285	32.828.60	293	33.242.16	301
32.622.02	273	32.650.15	275	32.675.13	278	32.729.03	285	32.829.15	293	33.242.22	301
32.622.03	273	32.650.20	275	32.675.19	278	32.729.04	285	32.829.45	293	33.244.14	301
32.622.04	273	32.650.25	275	32.675.25	278	32.729.05	285	32.829.55	293	33.246.00	301
32.622.05	273	32.650.30	275	32.675.32	278	32.729.06	285	32.831.16	293	33.248.00	301
32.622.06	273	32.650.38	275	32.678.24	278	32.729.07	285	32.833.16	293	33.250.00	301
32.622.07	273	32.650.44	275	32.679.22	278	32.731.22	286	32.835.27	293	33.252.00	301
32.622.08	273	32.651.06	275	32.680.12	278	32.733.22	286	32.910.17	293	33.260.00	301
32.622.10	273	32.651.08	275	32.681.28	278	32.735.29	286	32.911.17	293	33.262.00	301
32.622.12	273	32.651.13	275	32.683.28	278	32.737.29	286	32.913.17	293	33.270.00	302
32.623.02	273	32.651.15	275	32.684.00	279	32.739.28	286	32.915.19	294	33.280.00	302
32.623.03	273	32.651.20	275	32.685.01	279	32.740.47	286	32.917.19	294	33.290.00	302
32.623.04	273	32.651.25	275	32.685.02	279	32.741.62	286	32.919.25	294	33.292.00	302
32.623.05	273	32.651.30	275	32.685.03	279	32.743.03	286	32.921.22	294	33.350.20	303
32.623.06	273	32.651.38	275	32.685.04	279	32.743.06	286	32.923.22	294	33.350.25	303
32.623.07	273	32.651.44	275	32.686.25	280	32.748.17	287	32.925.20	294	33.350.30	303
32.623.08	273	32.654.03	276	32.688.75	280	32.750.20	287	32.927.20	294	33.350.32	303
32.625.02	273	32.654.04	276	32.690.45	280	32.751.20	287	32.950.01	295	33.350.35	303
32.625.03	273	32.654.06	276	32.690.90	280	32.753.20	287	32.950.02	295	33.350.40	303
32.625.04	273	32.654.08	276	32.691.14	280	32.754.17	287	32.950.03	295	33.350.50	303
32.625.05	273	32.654.10	276	32.691.19	280	32.755.17	287	32.950.04	295	33.350.60	303
32.625.06	273	32.654.12	276	32.692.22	280	32.756.17	287	32.950.05	295	33.350.70	303
32.625.07	273	32.654.15	276	32.693.35	280	32.757.17	287	32.952.31	295	33.352.10	303
32.625.08	273	32.660.07	276	32.693.50	280	32.759.06	287	32.971.24	295	33.352.12	303
32.630.10	274	32.660.10	276	32.693.70	280	32.759.12	287	32.972.22	295	33.352.15	303
32.630.12	274	32.660.15	276	32.694.34	281	32.759.19	287	32.973.27	295	33.352.18	303
32.630.15	274	32.660.20	276	32.695.30	281	32.759.25	287	32.975.30	295	33.352.20	303
32.630.20	274	32.660.25	276	32.695.45	281	32.760.15	287			33.352.22	303
32.630.25	274	32.660.30	276	32.696.26	281	32.761.19	287			33.352.25	303
32.632.08	274	32.661.07	276	32.696.32	281	32.762.19	288			33.352.28	303
32.632.10	274	32.661.10	276	32.697.02	281	32.763.18	288			33.352.30	303
32.632.15	274	32.661.15	276	32.698.25	281	32.764.18	288			33.352.32	303
32.632.20	274	32.661.20	276	32.698.40	281	32.765.17	288			33.352.35	303
32.632.25	274	32.661.25	276	32.699.00	281	32.767.19	288			33.352.40	303

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33.110.00	298	33.352.30	303
33.112.00	298	33.352.32	303
33.112.03	298	33.352.35	303
33.112.05	298	33.352.40	303

33.352.50	303	33.518.03	307	33.647.01	314	40.021.00	323	40.101.16	330	40.233.06	338
33.354.10	303	33.519.01	307	33.647.02	314	40.025.01	324	40.101.19	330	40.234.02	338
33.354.15	303	33.519.02	307	33.650.14	315	40.025.02	324	40.101.22	330	40.234.04	338
33.354.20	303	33.522.01	307	33.653.25	315	40.025.10	324	40.101.25	330	40.234.06	338
33.354.25	303	33.522.02	307	33.658.23	315	40.025.15	324	40.102.05	330	40.236.02	338
33.354.28	303	33.522.03	307	33.670.00	315	40.026.35	324	40.102.06	330	40.236.04	338
33.354.30	303	33.528.01	307	33.674.09	316	40.026.50	324	40.102.08	330	40.236.06	338
33.354.32	303	33.529.45	307	33.674.12	316	40.027.00	324	40.102.99	330	40.238.10	338
33.354.35	303	33.529.70	307	33.674.15	316	40.028.00	324	40.141.25	331	40.238.15	338
33.354.40	303	33.530.02	307	33.674.20	316	40.029.00	324	40.143.21	331	40.238.20	338
33.354.45	303	33.530.03	307	33.676.06	316	40.040.01	325	40.145.21	331	40.240.10	338
33.354.50	303	33.530.04	307	33.676.08	316	40.040.02	325	40.147.21	331	40.240.15	338
33.354.60	303	33.530.05	307	33.816.25	316	40.042.19	325	40.149.22	331	40.240.20	338
33.356.11	304	33.530.06	307	33.816.35	316	40.043.01	325	40.151.24	331	40.240.30	338
33.356.15	304	33.530.07	307	33.816.50	316	40.043.02	325	40.155.20	332	40.250.07	339
33.356.20	304	33.530.08	307	33.820.00	316	40.043.03	325	40.161.01	332	40.250.11	339
33.356.25	304	33.530.09	307	33.820.11	316	40.043.04	325	40.161.02	332	40.250.15	339
33.356.27	304	33.530.10	307	33.822.20	316	40.051.20	325	40.161.03	332	40.250.18	339
33.356.32	304	33.530.11	307	33.824.32	316	40.052.20	325	40.161.04	332	40.253.07	339
33.356.35	304	33.530.12	307	33.826.45	316	40.053.20	325	40.161.05	332	40.253.11	339
33.356.45	304	33.530.15	307	33.827.00	317	40.055.20	325	40.162.18	332	40.253.15	339
33.356.60	304	33.531.21	307	33.828.00	317	40.056.19	325	40.162.24	332	40.253.18	339
33.357.15	305	33.532.17	308	33.828.01	317	40.056.28	326	40.164.19	333	40.254.10	339
33.357.20	305	33.533.18	308	33.829.01	317	40.058.19	325	40.164.24	333	40.254.16	339
33.357.27	305	33.534.15	308	33.830.15	317	40.058.28	326	40.168.13	333	40.255.07	339
33.357.32	305	33.535.13	308	33.830.20	317	40.060.01	326	40.168.19	333	40.255.11	339
33.357.35	305	33.535.18	308	33.830.27	317	40.060.02	326	40.170.20	333	40.255.15	339
33.357.45	305	33.536.14	308	33.830.35	317	40.060.03	326	40.171.01	333	40.255.18	339
33.362.04	305	33.536.19	308	33.830.45	317	40.060.04	326	40.171.02	333	40.256.07	339
33.362.06	305	33.537.01	309	33.832.20	317	40.060.05	326	40.171.03	333	40.256.10	339
33.362.08	305	33.537.02	309	33.832.27	317	40.060.06	326	40.173.01	334	40.256.13	339
33.362.10	305	33.537.03	309	33.832.45	317	40.061.16	326	40.173.02	334	40.256.16	339
33.362.12	305	33.537.04	309	33.834.45	317	40.062.01	327	40.173.03	334	40.256.19	339
33.362.14	305	33.538.01	309	33.839.09	317	40.062.02	327	40.188.11	334	40.256.22	339
33.362.16	305	33.538.02	309	33.840.35	317	40.062.03	327	40.190.10	334	40.260.08	339
33.364.04	305	33.538.18	309	33.840.65	317	40.062.04	327	40.190.18	334	40.260.11	339
33.364.06	305	33.539.18	309	33.842.20	317	40.064.18	327	40.191.01	334	40.260.14	339
33.364.08	305	33.540.16	309	33.842.27	317	40.067.01	327	40.191.02	334	40.260.17	339
33.364.10	305	33.541.22	310	33.842.35	317	40.067.02	327	40.210.23	334	40.280.00	340
33.364.12	305	33.542.15	310	33.864.00	318	40.067.03	327	40.211.23	334	40.280.01	340
33.364.14	305	33.544.14	310	33.866.00	318	40.067.04	327	40.213.23	334	40.282.18	340
33.364.16	305	33.545.16 TC	310	33.868.00	318	40.068.20	327	40.220.01	335	40.282.20	340
33.366.12	305	33.545.18 TC	310	33.870.15	318	40.069.20	327	40.220.02	335	40.282.22	340
33.368.08	305	33.545.22 TC	310	33.872.20	318	40.070.29	327	40.220.03	335	40.283.18	340
33.368.10	305	33.546.18	311	33.874.27	318	40.071.21	327	40.220.04	335	40.283.20	340
33.370.12	305	33.547.17	311	33.874.35	318	40.080.19	328	40.220.05	336-337	40.283.22	340
33.370.15	305	33.548.23 TC	311	33.874.45	318	40.081.19	328	40.220.06	336-337	40.284.18	340
33.372.08	305	33.552.17 TC	311	33.875.35	318	40.083.19	328	40.220.07	335-336	40.284.20	340
33.372.10	305	33.553.38	311	33.880.35	318	40.084.23	328	40.220.08	335	40.284.22	340
33.372.12	305	33.554.15 TC	311	33.880.45	319	40.085.20	328	40.220.09	335-336	40.285.18	340
33.374.07	305	33.555.24	312	33.881.35	319	40.087.24	328		-337	40.285.20	340
33.376.13	305	33.556.47	312	33.881.45	319	40.090.33	328	40.220.10	336	40.285.22	340
33.377.25	305	33.558.00	312	33.885.35	319	40.092.25	328	40.220.12	336	40.286.13	340
33.378.08	305	33.568.14	312	33.885.65	319	40.092.30	329	40.220.20	336	40.286.15	340
33.502.16	306	33.569.14	312	33.887.35	319	40.092.40	329	40.220.30	336	40.286.18	340
33.502.21	306	33.620.25	312	33.889.45	319	40.092.50	329	40.220.40	336	40.286.22	340
33.512.06	306	33.624.24	313			40.092.60	329	40.220.50	336-337	40.287.13	340
33.512.09	306	33.628.15	313			40.092.70	329	40.221.00	337	40.287.15	340
33.512.10	306	33.628.25	313			40.094.00	329	40.221.01	335	40.287.18	340
33.512.11	306	33.628.35	313	40.011.15	322	40.096.21	329	40.222.00	335-337	40.287.22	340
33.512.12	306	33.628.45	313	40.011.19	322	40.097.20	329	40.222.02	336	40.288.13	340
33.512.13	306	33.632.25	313	40.013.15	322	40.098.20	329	40.230.03	338	40.288.15	340
33.512.15	306	33.635.18	313	40.013.19	322	40.098.23	329	40.230.06	338	40.288.18	340
33.512.20	306	33.637.23	313	40.015.23	322	40.099.15	330	40.231.02	338	40.288.22	340
33.514.18	306	33.639.22	313	40.015.26	322	40.100.13	330	40.231.04	338	40.289.13	340
33.514.27	306	33.640.18	314	40.017.23	322	40.100.16	330	40.231.06	338	40.289.15	340
33.515.01	306	33.642.00	314	40.017.26	322	40.100.19	330	40.232.03	338	40.289.18	340
33.515.02	306	33.643.01	314	40.019.14	323	40.100.22	330	40.232.06	338	40.289.22	340
33.518.01	307	33.643.02	314	40.020.00	323	40.100.25	330	40.233.02	338	40.290.14	341
33.518.02	307	33.645.00	314	40.020.02	323	40.101.13	330	40.233.04	338	40.290.21	341

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40.291.04	341	40.452.01	346	40.506.05	351	40.515.01	355	40.566.60 T	379	40.592.72 T	369
40.293.06	341	40.452.02	346	40.506.05 Z	351	40.515.02	355	40.566.60	379	40.592.72	369
40.293.08	341	40.452.03	346	40.506.06	351	40.515.03	355	40.566.70 T	379	40.593.72 T	369
40.293.10	341	40.454.02	346	40.506.06 Z	351	40.517.01	355	40.566.70	379	40.593.72	369
40.293.12	341	40.454.03	346	40.507.01	352	40.517.02	355	40.567.57 T	379	40.594.82 T	369
40.295.06	341	40.454.04	346	40.507.01 Z	352	40.517.03	355	40.567.57	379	40.594.82	369
40.295.07	341	40.454.05	346	40.507.02	352	40.519.04	355	40.568.45 T	379	40.595.80 T	369
40.295.08	341	40.454.06	346	40.507.02 Z	352	40.519.05	355	40.568.45	379	40.595.80	369
40.295.09	341	40.454.07	346	40.507.03	352	40.519.06	355	40.569.40 T	379	40.596.62 T	370
40.295.10	341	40.455.02	346	40.507.03 Z	352	40.520.03	356	40.569.40	379	40.596.62	370
40.295.11	341	40.455.03	346	40.507.04	352	40.520.05	356	40.570.33 T	379	40.596.80 T	370
40.295.12	341	40.455.04	346	40.507.04 Z	352	40.522.03	356	40.570.33	379	40.596.80	370
40.295.15	341	40.455.05	346	40.507.05	352	40.522.05	356	40.571.33 T	378	40.597.80 T	370
40.297.06	341	40.455.06	346	40.507.05 Z	352	40.524.03	356	40.571.33	378	40.597.80 T	370
40.297.07	341	40.455.07	346	40.507.06	352	40.524.05	356	40.572.40 T	378	40.597.99 T	373
40.297.08	341	40.456.14	347	40.507.06 Z	352	40.526.03	356	40.572.40	378	40.597.99	373
40.297.09	341	40.456.18	347	40.510.01	352	40.526.05	356	40.573.40 T	379	40.599.75 T	375
40.297.10	341	40.458.20	347	40.510.01 Z	352	40.527.03	356	40.573.40	379	40.599.75	375
40.297.11	341	40.460.20	347	40.510.02	352	40.527.05	356	40.574.36 T	378	40.600.33 T	378
40.297.12	341	40.460.30	347	40.510.02 Z	352	40.529.03	356	40.574.36	378	40.600.33	378
40.298.08	342	40.460.40	347	40.510.03	352	40.529.05	356	40.575.36 T	378	40.600.58 T	371
40.298.10	342	40.460.50	347	40.510.03 Z	352	40.530.03	356	40.575.36	378	40.600.58	371
40.298.12	342	40.460.60	347	40.510.04	352	40.530.05	356	40.576.40 T	378	40.601.58 T	371
40.302.12	342	40.461.20	348	40.510.04 Z	352	40.532.03	356	40.576.40	378	40.601.58	371
40.302.13	342	40.461.25	348	40.510.05	352	40.532.05	356	40.577.70 T	378	40.602.40 T	378
40.302.14	342	40.461.40	348	40.510.05 Z	352	40.534.03	356	40.577.70	378	40.602.40	378
40.302.15	342	40.461.50	348	40.510.06	352	40.534.05	356	40.578.40 T	378	40.602.58 T	372
40.302.16	342	40.463.20	348	40.510.06 Z	352	40.536.03	356	40.578.40	378	40.602.58	372
40.302.17	342	40.463.25	348	40.511.01	353	40.536.05	356	40.578.60 T	378	40.603.58 T	372
40.302.18	342	40.463.40	348	40.511.01 Z	353	40.538.03	356	40.578.60	378	40.603.58	372
40.302.20	342	40.464.20	348	40.511.02	353	40.538.05	356	40.579.06 T	368	40.604.46 T	378
40.310.18	342	40.464.30	348	40.511.02 Z	353	40.540.03	356	40.579.06	368	40.604.46	378
40.311.18	342	40.464.40	348	40.511.03	353	40.540.05	356	40.580.32 T	378	40.604.58 T	372
40.350.05	343	40.464.50	348	40.511.03 Z	353	40.550.02	357	40.580.32	378	40.604.58	372
40.351.05	343	40.464.60	348	40.511.04	353	40.551.02	357	40.580.54 T	368	40.605.46 T	379
40.401.16	343	40.465.20	349	40.511.04 Z	353	40.552.02	357	40.580.54	368	40.605.46	379
40.402.13	343	40.465.25	349	40.511.05	353	40.553.02	357	40.581.58 T	368	40.605.58 T	372
40.405.17	343	40.465.40	349	40.511.05 Z	353	40.554.01	357	40.581.58	368	40.605.58	372
40.405.27	343	40.465.50	349	40.511.06	353	40.555.21	358	40.582.38 T	378	40.606.70 T	372
40.413.02	343	40.467.20	349	40.511.06 Z	353	40.555.23	358	40.582.38	378	40.606.70	372
40.414.02	343	40.467.25	349	40.512.01	353	40.556.21	358	40.582.62 T	369	40.607.78 T	372
40.415.02	344	40.467.40	349	40.512.01 Z	353	40.556.23	358	40.582.62	369	40.607.78	372
40.420.01	345	40.468.20	349	40.512.02	353	40.557.21 T	359	40.583.02 T	369	40.608.88 T	372
40.420.02	345	40.468.30	349	40.512.02 Z	353	40.557.23 T	359	40.583.02	369	40.608.88	372
40.420.03	345	40.468.40	349	40.512.03	353	40.558.21 T	361	40.583.80 T	370	40.609.58 T	372
40.422.01	345	40.468.50	349	40.512.03 Z	353	40.558.21	361	40.583.80	370	40.609.58	372
40.422.02	345	40.468.60	349	40.512.04	353	40.560.33 T	379	40.584.12 T	369	40.610.38 T	378
40.422.03	345	40.469.30	350	40.512.04 Z	353	40.560.33	379	40.584.12	369	40.610.38	378
40.430.01	345	40.469.40	350	40.512.05	353	40.560.40 T	379	40.584.55 T	370	40.610.62 T	372
40.430.02	345	40.469.50	350	40.512.05 Z	353	40.560.40	379	40.584.55	370	40.610.62	372
40.430.03	345	40.470.02	350	40.512.06	353	40.561.32 T	379	40.584.56 T	369	40.611.68 T	372
40.432.01	345	40.470.03	350	40.512.06 Z	353	40.561.32	379	40.584.56	369	40.611.68	372
40.432.02	345	40.470.04	350	40.513.01	354	40.561.38 T	379	40.584.75 T	370	40.612.44 T	378
40.432.03	345	40.470.05	350	40.513.02	354	40.561.38	379	40.584.75	370	40.612.44	378
40.440.01	345	40.471.02	350	40.513.03	354	40.562.36 T	379	40.585.62 T	369	40.612.62 T	372
40.440.02	345	40.471.03	350	40.513.04	354	40.562.36	379	40.585.62	369	40.612.62	372
40.440.03	345	40.471.04	350	40.513.05	354	40.562.38 T	379	40.586.78 T	369	40.613.44 T	379
40.442.01	345	40.473.02	351	40.513.06	354	40.562.38	379	40.586.78	369	40.613.44	379
40.442.02	345	40.473.03	351	40.514.01	354	40.563.36 T	379	40.587.84 T	369	40.613.56 T	372
40.442.03	345	40.473.04	351	40.514.01 Z	354	40.563.36	379	40.587.84	369	40.613.56	372
40.445.25	345	40.475.30	351	40.514.02	354	40.563.40 T	379	40.588.56 T	369	40.614.56 T	372
40.446.02	345	40.475.40	351	40.514.02 Z	354	40.563.40	379	40.588.56	369	40.614.56	372
40.446.03	345	40.506.01	351	40.514.03	354	40.564.36 T	379	40.589.56 T	369	40.615.56 T	372
40.446.04	345	40.506.01 Z	351	40.514.03 Z	354	40.564.36	379	40.589.56	369	40.615.56	372
40.447.22	345	40.506.02	351	40.514.04	354	40.565.35 T	379	40.590.36 T	378	40.616.56 T	372
40.447.35	345	40.506.02 Z	351	40.514.04 Z	354	40.565.35	379	40.590.36	378	40.616.56	372
40.448.20	345	40.506.03	351	40.514.05	354	40.565.40 T	379	40.590.54 T	369	40.620.35 T	378
40.450.01	346	40.506.03 Z	351	40.514.05 Z	354	40.565.40	379	40.590.54	369	40.620.35	378
40.450.02	346	40.506.04	351	40.514.06	354	40.566.35 T	379	40.591.56 T	369	40.690.62 T	373
40.450.03	346	40.506.04 Z	351	40.514.06 Z	354	40.566.35	379	40.591.56	369	40.690.62	373

40.690.78 T	373	40.710.58 T	375	40.736.58 T	377	40.777.21 T	360	40.798.79	369	40.910.74 T	370
40.690.78	373	40.710.58	375	40.736.58	377	40.777.22 T	359	40.800.87 T	369	40.910.74	370
40.691.06 T	373	40.710.65 T	375	40.736.70 T	377	40.777.23 T	361	40.800.87	369	40.912.62 T	370
40.691.06	373	40.710.65	375	40.736.70	377	40.777.24 T	359	40.801.70	369	40.912.62	370
40.691.13 T	373	40.710.72 T	375	40.736.78 T	377	40.777.90 T	361	40.801.90	357	40.912.84 T	370
40.691.13	373	40.710.72	375	40.736.78	377	40.777.90		40.802.10	357	40.912.84	370
40.692.60 T	373	40.710.74 T	375	40.736.88 T	377	40.777.91 T		40.802.13 T	357	40.914.74 T	370
40.692.60	373	40.710.74	375	40.736.88	377	40.777.91	360	40.802.13	369	40.914.74	370
40.693.75 T	373	40.711.74 T	375	40.737.58 T	377	40.778.10 T	360	40.804.21	369	40.914.96 T	370
40.693.75	373	40.711.74	375	40.737.58	377	40.778.10	360	40.810.65 T	357	40.914.96	370
40.693.98 T	373	40.712.74 T	375	40.737.62 T	377	40.778.11 T	360	40.810.65	369	40.920.49 T	370
40.693.98	373	40.712.74	375	40.737.62	377	40.778.11	360	40.811.04	369	40.920.49	370
40.694.55 T	373	40.713.74 T	375	40.738.58 T	377	40.778.19 T	360	40.813.04	363	40.922.49 T	370
40.694.55	373	40.713.74	375	40.738.58	377	40.778.21 T	359	40.815.04	363	40.922.49	370
40.695.65 T	373	40.713.84 T	375	40.738.62 T	377	40.778.23 T	359	40.815.06	363	40.924.49 T	370
40.695.65	373	40.713.84	375	40.738.62	377	40.778.90 T	359	40.817.65	363	40.924.49	370
40.696.54 T	373	40.713.96 T	375	40.739.56 T	377	40.778.90	360	40.819.65	363	40.930.55 T	370
40.696.54	373	40.713.96	375	40.739.56	377	40.778.91 T	360	40.821.65	363	40.930.55	371
40.696.58 T	373	40.714.49 T	375	40.740.45 T	377	40.778.91	360	40.830.57 T	363	40.930.79 T	371
40.696.58	373	40.714.49	375	40.740.45	377	40.779.21 T	360	40.830.57	369	40.930.79	371
40.697.02 T	374	40.715.49 T	375	40.740.56 T	378	40.779.22 T	359	40.831.00	369	40.932.55 T	371
40.697.02	374	40.715.49	375	40.740.56	378	40.779.23 T	361	40.831.01	364	40.932.55	371
40.697.62 T	374	40.716.49 T	375	40.741.56 T	377	40.779.24 T	359	40.831.02	364	40.932.88 T	371
40.697.62	374	40.716.49	375	40.741.56	377	40.780.21 T	361	40.831.03	364	40.932.88	371
40.697.79 T	374	40.716.74 T	376	40.742.56 T	377	40.780.21	361	40.831.04	364	40.934.10 T	371
40.697.79	374	40.716.74	376	40.742.56	377	40.780.60 T	361	40.832.01	364	40.934.10	371
40.697.87 T	374	40.717.74 T	376	40.750.35 T	377	40.780.60	368	40.832.02	364	40.940.79 T	371
40.697.87	374	40.717.74	376	40.750.35	377	40.781.10 T	368	40.833.02	364	40.940.79	371
40.697.02 T	374	40.718.74 T	376	40.760.62 T	368/378	40.781.10	362	40.834.02	364	40.942.74 T	371
40.697.02	374	40.718.74	376	40.760.62	368/378	40.781.71 T	362	40.835.01	364	40.942.74	371
40.698.19 T	374	40.718.79 T	376	40.762.70 T	368	40.781.71	362	40.835.02	364	40.942.91 T	371
40.698.19	374	40.718.79	376	40.762.70	368	40.781.91 T	362	40.835.03	364	40.942.91	371
40.698.13 T	374	40.718.91 T	376	40.763.70 T	373	40.781.91	362	40.835.04	364	40.944.10 T	371
40.698.13	374	40.718.91	376	40.763.70	373	40.782.11 T	362	40.836.00	364	40.944.10	371
40.699.62 T	374	40.718.03 T	376	40.764.78 T	368	40.782.11	362	40.841.25	364	40.944.74 T	371
40.699.62	374	40.718.03	376	40.764.78	368	40.782.68 T	362	40.843.22	364	40.944.74	371
40.699.65 T	374	40.719.65 T	376	40.766.92 T	368	40.782.68	368	40.843.32	364	40.950.65 T	371
40.699.65	374	40.719.65	376	40.766.92	368	40.782.71 T	368	40.845.25	364	40.950.65	371
40.699.78 T	374	40.719.72 T	376	40.767.92 T	373	40.782.71	362	40.847.17	364	40.950.74 T	371
40.699.78	374	40.719.72	376	40.767.92	373	40.782.91 T	362	40.849.20	364	40.950.74	371
40.699.84 T	374	40.719.78 T	376	40.768.11 T	368	40.782.91	362	40.850.03	364	40.952.72 T	371
40.699.84	374	40.719.78	376	40.768.11	368	40.783.68 T	362	40.850.05	365	40.952.72	371
40.700.56 T	374	40.720.55 T	376	40.769.11 T	373	40.783.68	373	40.851.03	365	40.954.75 T	371
40.700.56	374	40.720.55	376	40.769.11	373	40.784.75 T	373	40.851.05	365	40.954.75	371
40.701.56 T	374	40.721.55 T	376	40.770.00 T	361	40.784.75	368	40.852.03	365	40.954.78 T	371
40.701.56	374	40.721.55	376	40.770.00	361	40.786.87 T	368	40.852.05	365	40.954.78	371
40.702.56 T	374	40.722.40 T	378	40.770.13 T	368	40.786.87	368	40.853.03	365	40.960.55 T	371
40.702.56	374	40.722.40	378	40.770.13	368	40.786.98 T	368	40.853.05	365	40.960.55	371
40.703.54 T	374	40.730.10 T	376	40.770.21 T	359/	40.786.98	368	40.854.05	365	40.962.55 T	371
40.703.54	374	40.730.10	376	40.770.23 T	362	40.787.87 T	368	40.855.05	365	40.962.55	371
40.703.56 T	374	40.730.55 T	376	40.771.21	359/362	40.787.87	373	40.856.24	365	40.964.55 T	371
40.703.56	374	40.730.55	376	40.771.23	358	40.789.11 T	373	40.859.03	366	40.964.55	371
40.703.72 T	374	40.730.57 T	378	40.772.17	358	40.789.11	373	40.863.23	366	40.992.50	371
40.703.72	374	40.730.57	378	40.772.18 T	358	40.790.11 T	373	40.865.23	366	40.994.60	367
40.704.72 T	374	40.730.58 T	378	40.772.21	358	40.790.11	368	40.867.23	366	40.996.14	367
40.704.72	374	40.730.58	378	40.772.23	358	40.790.55 T	368	40.868.23	366	40.996.30	367
40.704.82 T	374	40.730.79 T	376	40.773.21	358	40.790.55	368	40.869.23	366	40.996.50	367
40.704.82	374	40.730.79	376	40.773.23	358	40.792.61 T	368	40.881.16	366	40.998.14	367
40.705.57 T	374	40.730.88 T	376	40.774.17	358	40.792.61	368	40.882.16	366	40.998.50	367
40.705.57	374	40.730.88	376	40.774.18 T	358	40.794.65 T	368	40.884.16	366	40.999.50	367
40.705.80 T	374	40.731.58 T	376	40.774.18	358	40.794.65	368	40.886.16	366		
40.705.80	374	40.731.58	376	40.774.21	358	40.795.67 T	368	40.900.40	366		
40.706.62 T	375	40.732.58 T	376	40.774.23	358	40.795.67	373	40.900.58 T	367		
40.706.62	375	40.732.58	376	40.776.19 T	358	40.796.74 T	373	40.900.58	370		
40.706.80 T	375	40.733.58 T	376	40.776.21 T	359	40.796.74	368	40.902.65 T	370		
40.706.80	375	40.733.58	376	40.776.23 T	359	40.796.99 T	368	40.902.65	370		
40.707.80 T	375	40.734.58 T	376	40.777.10 T	359	40.796.99	368	40.902.74 T	370		
40.707.80	375	40.734.58	376	40.777.10	360	40.797.74 T	368	40.902.74	370		
40.709.55 T	375	40.735.58 T	376	40.777.11 T	360	40.797.74	373	40.904.72 T	370		
40.709.55	375	40.735.58	376	40.777.11	360	40.798.79 T	373	40.904.72	370		

41

41.033.26	382
41.034.26	382
41.035.26	382
41.036.26	382
41.037.26	382
41.038.26	382
41.039.26	382



43.254.09	411	44.018.70	416	44.112.04	421	44.265.14	425	44.510.00	427	44.641.00	427
43.256.09	411	44.018.80	416	44.112.05	421	44.265.16	425	44.511.00	427	44.643.00	427
43.258.09	411	44.020.00	416	44.114.00	421	44.267.10	425	44.513.00	427	44.645.00	427
43.258.14	411	44.020.01	416	44.115.00	421	44.267.20	425	44.514.00	427	44.646.00	427
43.265.10	412	44.020.02	416	44.115.01	421	44.267.25	425	44.515.00	427	44.647.00	427
43.267.10	412	44.020.03	416	44.115.02	421	44.267.30	425	44.516.00	427	44.648.00	427
43.274.11	412	44.020.04	416	44.115.03	421	44.267.35	425	44.517.00	427	44.649.00	427
43.302.28	412	44.020.05	416	44.115.04	421	44.269.30	425	44.519.00	427	44.650.00	428
43.302.33	412	44.020.06	416	44.115.05	421	44.270.30	425	44.520.00	427	44.651.00	428
43.303.45	412	44.020.07	416	44.116.00	421	44.271.08	425	44.521.00	427	44.653.00	428
43.305.00	412	44.030.04	417	44.117.00	421	44.271.14	425	44.522.00	427	44.654.00	428
43.306.00	412	44.036.03	417	44.117.01	421	44.273.08	425	44.523.00	427	44.655.00	428
43.307.00	412	44.060.01	417	44.117.02	421	44.273.09	425	44.525.00	427	44.657.00	428
43.309.00	412	44.060.02	417	44.117.03	421	44.275.08	425	44.527.00	427	44.659.00	428
43.310.50	413	44.060.03	417	44.117.04	421	44.310.40	425	44.528.00	427	44.660.00	428
43.310.55	413	44.060.04	417	44.117.05	421	44.312.55	425	44.529.00	427	44.662.00	428
43.310.60	413	44.060.05	417	44.131.00	421	44.313.55	425	44.531.00	427	44.663.00	428
43.310.65	413	44.061.00	417	44.131.01	421	44.315.55	425	44.533.00	427	44.665.00	428
43.310.70	413	44.070.01	418	44.131.02	421	44.317.55	425	44.534.00	427	44.667.00	428
43.310.80	413	44.070.02	418	44.131.03	421	44.320.70	425	44.535.00	427	44.686.00	428
43.310.90	413	44.070.03	418	44.131.04	421	44.321.70	425	44.537.00	427	44.687.00	428
43.311.00	413	44.070.04	418	44.131.05	421	44.322.70	425	44.539.00	427	44.688.00	428
43.311.01	413	44.070.05	418	44.133.01	421	44.350.40	425	44.540.00	427	44.689.00	428
43.320.50	413	44.071.00	418	44.133.02	421	44.350.70	425	44.541.00	427	44.701.01	428
43.320.51	413	44.074.01	418	44.133.03	421	44.352.40	425	44.543.00	427	44.701.02	428
43.320.60	413	44.075.00	418	44.133.04	421	44.353.60	425	44.545.00	427	44.703.15	428
43.320.61	413	44.076.01	418	44.133.05	421	44.355.60	425	44.546.00	427	44.704.15	428
43.320.70	413	44.080.00	418	44.150.18	421	44.357.40	425	44.547.00	427	44.705.15	429
43.320.71	413	44.090.00	419	44.151.16	422	44.359.40	425	44.548.00	427	44.706.35	429
43.320.80	413	44.090.01	419	44.153.16	422	44.360.35	425	44.549.00	427	44.709.10	429
43.320.81	413	44.091.00	419	44.160.15	422	44.362.45	426	44.550.00	427	44.709.14	429
43.320.90	413	44.091.01	419	44.162.18	422	44.363.45	426	44.551.00	427	44.709.16	429
43.320.91	413	44.091.03	419	44.164.17	422	44.365.45	426	44.553.00	427	44.709.20	429
43.321.00	413	44.091.04	419	44.165.17	422	44.367.50	426	44.554.00	427	44.709.26	429
43.340.00	413	44.091.15	419	44.170.12	422	44.369.50	426	44.555.00	427	44.709.28	429
43.404.00	413	44.091.17	419	44.171.12	422	44.370.50	426	44.556.00	427	44.709.30	429
43.406.00	413	44.091.22	419	44.180.01	422	44.371.40	426	44.557.00	427	44.710.15	429
43.408.00	413	44.091.35	419	44.180.02	422	44.373.30	426	44.559.00	427	44.711.15	429
43.420.09	414	44.096.50	419	44.180.03	422	44.375.60	426	44.560.00	427	44.713.15	429
43.422.09	414	44.096.75	419	44.190.01	422	44.377.60	426	44.561.00	427	44.715.15	429
43.424.08	414	44.097.10	419	44.190.02	422	44.381.30	426	44.562.00	427	44.720.03	429
43.425.10	414	44.097.15	419	44.192.01	423	44.383.30	426	44.563.00	427	44.720.06	429
43.426.09	414	44.101.03	420	44.192.02	423	44.385.01	426	44.565.00	427	44.720.10	429
43.428.09	414	44.101.05	420	44.192.03	423	44.385.02	426	44.567.00	427	44.722.03	429
		44.101.07	420	44.192.04	423	44.387.01	426	44.586.00	427	44.722.06	429
		44.103.01	420	44.201.11	423	44.387.02	426	44.587.00	427	44.722.10	429
		44.103.02	420	44.203.11	423	44.410.00	426	44.588.00	427	44.722.12	429
44.010.00	416	44.103.03	420	44.206.14	423	44.412.00	426	44.589.00	427	44.722.15	429
44.010.30	416	44.103.04	420	44.206.16	423	44.413.00	426	44.610.00	427	44.722.20	429
44.010.45	416	44.104.01	420	44.220.16	423	44.415.00	426	44.611.00	427	44.722.25	429
44.010.55	416	44.104.02	420	44.222.17	423	44.417.00	426	44.613.00	427	44.724.03	429
44.010.65	416	44.104.03	420	44.225.02	423	44.419.00	426	44.614.00	427	44.724.06	429
44.010.75	416	44.105.01	420	44.241.12	423	44.420.00	426	44.615.00	427	44.724.10	429
44.012.00	416	44.105.02	420	44.241.14	423	44.422.00	426	44.616.00	427	44.724.12	429
44.012.55	416	44.105.03	420	44.243.14	424	44.423.00	426	44.617.00	427	44.724.15	429
44.012.65	416	44.105.04	420	44.245.12	424	44.425.00	426	44.619.00	427	44.724.20	429
44.012.75	416	44.105.05	420	44.251.10	424	44.429.00	426	44.620.00	427	44.724.25	429
44.014.00	416	44.106.01	420	44.253.11	424	44.430.00	427	44.622.00	427	44.725.05	429
44.014.45	416	44.109.00	421	44.255.08	424	44.432.00	427	44.623.00	427	44.725.10	429
44.014.55	416	44.110.00	421	44.257.08	424	44.433.00	427	44.625.00	427	44.730.03	430
44.014.65	416	44.110.01	421	44.261.08	424	44.435.00	427	44.627.00	427	44.730.06	430
44.014.75	416	44.110.02	421	44.261.14	424	44.437.00	427	44.628.00	427	44.730.10	430
44.015.00	416	44.110.03	421	44.261.16	424	44.439.00	427	44.629.00	427	44.732.03	430
44.015.45	416	44.110.04	421	44.262.08	424	44.439.08	427	44.631.00	427	44.732.06	430
44.015.55	416	44.110.05	421	44.262.14	424	44.440.00	427	44.633.00	427	44.732.10	430
44.015.65	416	44.111.00	421	44.262.16	424	44.442.00	427	44.634.00	427	44.733.05	430
44.015.75	416	44.112.00	421	44.263.08	424	44.443.00	427	44.635.00	427	44.733.10	430
44.018.00	416	44.112.01	421	44.263.14	424	44.445.00	427	44.637.00	427	44.735.05	430
44.018.50	416	44.112.02	421	44.263.16	424	44.447.00	427	44.639.00	427	44.735.10	430
44.018.60	416	44.112.03	421	44.265.08	425	44.449.00	427	44.640.00	427	44.736.15	430

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44.737.15	430	44.796.20	433	46.126.75	439	46.251.21	445	46.452.04	453	46.556.16	458
44.741.03	430	44.796.23	433	46.126.90	439	46.303.03	445	46.452.06	453	46.557.17	459
44.741.06	430	44.796.25	433	46.131.19	439	46.303.04	445	46.452.08	453	46.559.20	459
44.741.10	430	44.797.10	433	46.139.12	439	46.303.05	445	46.452.10	453	46.560.18	459
44.743.03	430	44.797.15	433	46.139.14	439	46.303.06	445	46.454.04	453	46.560.23	459
44.743.06	430	44.797.20	433	46.139.16	439	46.305.01	446	46.454.07	453	46.562.18	459
44.743.10	430	44.797.23	433	46.139.18	439	46.305.02	446	46.454.09	453	46.564.10	459
44.745.03	430	44.797.25	433	46.151.10	440	46.306.03	446	46.454.12	453	46.566.12	459
44.745.06	430	44.798.10	433	46.151.11	440	46.306.05	446	46.455.06	453	46.568.00	459
44.745.10	430	44.799.10	433	46.151.14	440	46.307.03	446	46.458.04	454	46.571.23	459
44.747.03	430	44.799.20	433	46.151.15	440	46.307.05	446	46.458.07	454	46.572.23	460
44.747.06	430	44.799.40	433	46.151.18	440	46.311.10	447	46.458.09	454	46.573.23	460
44.747.10	430	44.799.45	433	46.154.20	440	46.311.25	447	46.458.12	454	46.575.23	460
44.751.16	430	44.799.60	433	46.161.16	441	46.311.40	447	46.460.04	454	46.595.15	460
44.753.16	430	44.799.90	433	46.161.20	441	46.315.20	447	46.460.07	454	46.601.21	460
44.755.16	430	44.800.01	434	46.165.20	441	46.318.01	447	46.460.12	454	46.607.01	460
44.757.16	430	44.800.02	434	46.167.18	441	46.318.02	447	46.470.04	454	46.607.02	460
44.760.01	430	44.800.03	434	46.169.18	441	46.318.03	447	46.470.05	454	46.607.03	460
44.760.02	430	44.800.04	434	46.171.14	441	46.318.04	447	46.470.06	454	46.607.04	460
44.762.01	430	44.800.05	434	46.173.14	441	46.320.20	448	46.470.07	454	46.607.05	460
44.762.02	430	44.801.01	434	46.175.02	442	46.323.19	448	46.472.10	454	46.607.06	460
44.766.35	431	44.801.02	434	46.175.03	442	46.325.19	448	46.472.12	454	46.620.01	460
44.766.40	431	44.801.12	434	46.181.01	442	46.336.18	448	46.472.14	454	46.620.02	460
44.766.45	431	44.801.14	434	46.181.02	442	46.340.15	448	46.472.16	454	46.620.03	460
44.766.50	431	44.801.15	434	46.181.03	442	46.340.18	448	46.473.01	454	46.620.04	460
44.766.55	431	44.801.22	434	46.185.18	442	46.340.20	448	46.473.02	454	46.620.05	460
44.767.01	431	44.801.25	434	46.191.01	442	46.341.03	448	46.473.03	454	46.620.06	460
44.767.02	431	44.801.30	435	46.191.02	442	46.351.26	448	46.482.05	455	46.630.01	461
44.767.03	431	44.801.35	435	46.191.03	442	46.352.24	449	46.483.01	455	46.630.02	461
44.767.04	431	44.801.40	435	46.191.04	442	46.355.03	449	46.483.02	455	46.630.03	461
44.767.05	431	44.802.16	435	46.195.01	443	46.370.16	449	46.483.03	455	46.630.04	461
44.768.12	431	44.803.16	435	46.195.02	443	46.371.16	449	46.484.04	455	46.636.01	461
44.768.15	431	44.805.16	435	46.197.01	443	46.372.16	449	46.484.06	455	46.636.02	461
44.769.12	431	44.807.20	435	46.197.02	443	46.373.16	449	46.484.08	455	46.636.03	461
44.769.15	431	44.810.02	435	46.209.23	443	46.374.15	449	46.486.16	455	46.636.04	461
44.780.01	431	44.810.03	435	46.221.01	443	46.375.19	449	46.487.16	455	46.641.00	461
44.780.02	431	44.812.13	435	46.221.02	443	46.376.16	449	46.489.16	455	46.641.01	461
44.780.03	431	44.814.01	435	46.221.03	443	46.379.16	449	46.502.16	455	46.641.02	461
44.782.01	432	44.814.02	435	46.221.04	443	46.380.15	450	46.504.18	456	46.641.03	461
44.782.02	432			46.221.05	443	46.382.15	450	46.507.18	456	46.642.00	461
44.782.03	432			46.223.01	443	46.384.15	450	46.507.19	456	46.642.01	461
44.784.15	432			46.223.02	443	46.385.15	450	46.511.21	456	46.642.02	461
44.785.03	432	46.050.01	438	46.223.03	443	46.387.00	450	46.513.21	456	46.642.03	461
44.785.06	432	46.050.02	438	46.223.04	443	46.390.03	450	46.514.16	456		
44.785.10	432	46.050.03	438	46.223.05	443	46.390.04	450	46.516.16	456		
44.786.03	432	46.050.04	438	46.225.01	444	46.390.05	450	46.518.21	456		
44.786.06	432	46.050.05	438	46.225.02	444	46.392.03	450	46.520.21	456	48.102.16	464
44.786.10	432	46.050.06	438	46.225.03	444	46.392.04	450	46.522.01 TC	457	48.105.16	464
44.787.15	432	46.050.07	438	46.227.01	444	46.392.05	450	46.522.03 TC	457	48.107.19	464
44.787.20	432	46.060.01	438	46.227.02	444	46.398.16	451	46.522.05 TC	457	48.109.19	464
44.787.25	432	46.060.02	438	46.227.03	444	46.410.04	451	46.522.07 TC	457	48.111.15	464
44.787.30	432	46.060.03	438	46.227.04	444	46.410.05	451	46.522.09 TC	457	48.115.01	464
44.788.03	432	46.102.01	438	46.227.05	444	46.411.11	451	46.526.16	457	48.115.02	464
44.788.06	432	46.102.02	438	46.231.01	444	46.412.11	451	46.527.01	457	48.117.11	464
44.788.08	432	46.102.03	438	46.231.02	444	46.413.19	451	46.527.02	457	48.119.14	464
44.788.10	432	46.112.01	438	46.232.01	444	46.415.18	451	46.527.16	457	48.227.14	465
44.788.12	432	46.112.02	438	46.232.02	444	46.417.19	451	46.529.16	457	48.227.16	465
44.788.15	432	46.112.03	438	46.235.05	444	46.419.19	451	46.532.19	457	48.227.18	465
44.788.25	432	46.113.03	438	46.235.07	444	46.421.23	452	46.534.19	457	48.229.12	465
44.789.05	432	46.116.13	439	46.235.09	444	46.423.22	452	46.535.01	457	48.229.14	465
44.789.10	432	46.120.35	439	46.235.11	444	46.425.16	452	46.535.02	457	48.229.16	465
44.790.00	432	46.120.50	439	46.236.12	444	46.425.19	452	46.551.16	458	48.230.11	465
44.791.00	432	46.120.75	439	46.237.01	445	46.426.22	452	46.553.13	458	48.235.19	465
44.792.06	432	46.120.90	439	46.237.02	445	46.428.21	452	46.553.16	458	48.250.16	465
44.793.10	432	46.124.35	439	46.237.03	445	46.430.22	452	46.554.15	458	48.250.18	465
44.794.10	432	46.124.50	439	46.238.22	445	46.432.22	452	46.555.14	458	48.255.16	465
44.795.02	433	46.124.75	439	46.239.01	445	46.434.21	453	46.555.15	458	48.255.99	466
44.795.06	433	46.124.90	439	46.239.02	445	46.450.04	453	46.556.11	458	48.265.12	466
44.796.10	433	46.126.35	439	46.239.03	445	46.451.04	453	46.556.12	458	48.265.14	466
44.796.15	433	46.126.50	439	46.251.20	445	46.452.02	453	46.556.14	458	48.267.12	466

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66.205.38	546	66.221.38	547	68.311.23	554	70.212.01	561	70.309.25	565	70.420.01	568
66.205.39	546	66.223.08	547	68.311.33	554	70.212.02	561	70.310.20	566	70.420.03	568
66.205.40	546	66.223.09	547	68.311.40	554	70.212.03	561	70.310.25	566	70.420.05	568
66.211.08	546	66.223.10	547	68.321.23	554	70.220.01	561	70.310.30	566	70.420.07	568
66.211.10	546	66.223.11	547	68.321.33	554	70.220.02	561	70.310.35	566	70.420.09	568
66.211.12	546	66.223.12	547	68.321.40	554	70.221.01	561	70.310.40	566	70.420.11	568
66.211.14	546	66.223.13	547	68.402.21	555	70.221.02	561	70.313.20	566	70.420.13	568
66.211.16	546	66.223.14	547	68.420.00	555	70.222.01	562	70.313.25	566	70.420.15	568
66.211.18	546	66.223.15	547	68.420.01	555	70.222.02	562	70.313.30	566	70.420.17	568
66.211.20	546	66.223.16	547	68.420.02	555	70.230.01	562	70.313.35	566	70.420.19	568
66.211.22	546	66.223.17	547	68.420.03	555	70.230.02	562	70.313.40	566	70.420.21	568
66.211.24	546	66.223.18	547	68.420.04	555	70.230.03	562	70.315.40	566	70.420.23	568
66.213.08	546	66.223.19	547	68.430.00	555	70.231.01	562	70.319.28	566	70.420.25	568
66.213.10	546	66.223.20	547	68.432.00	556	70.231.02	562	70.319.38	566	70.424.08	568
66.213.12	546	66.223.21	547	68.433.00	556	70.231.03	562	70.351.10	566	70.424.13	568
66.213.14	546	66.223.22	547	68.439.19	556	70.232.01	562	70.360.24	566	70.425.08	568
66.213.16	546	66.223.23	547			70.232.02	562	70.364.24	566	70.426.08	568
66.213.18	546	66.223.24	547			70.232.03	562	70.366.24	566	70.426.13	568
66.213.20	546	66.223.25	547			70.240.01	562	70.366.48	566	70.430.10	568
66.213.22	546	66.223.26	547			70.240.02	562	70.404.14	567	70.430.12	568
66.213.24	546	66.223.27	547			70.240.03	562	70.404.26	567	70.430.14	568
66.219.08	546	66.223.28	547			70.241.01	563	70.405.14	567	70.430.16	568
66.219.10	546	66.223.29	547			70.241.02	563	70.406.14	567	70.430.18	568
66.219.12	546	66.223.30	547			70.241.03	563	70.406.26	567	70.430.20	568
66.219.14	546					70.242.01	563	70.410.01	567	70.436.08	569
66.219.16	546					70.242.02	563	70.410.02	567	70.441.34	569
66.219.18	546					70.242.03	563	70.410.03	567	70.443.29	569
66.219.20	546					70.244.00	563	70.410.04	567	70.445.29	569
66.219.22	546					70.245.00	563	70.410.05	567	70.44708	569
66.219.24	546					70.246.00	563	70.410.06	567	70.447.13	569
66.220.00	547					70.250.00	563	70.410.07	567	70.447.17	569
66.220.06	547					70.251.00	563	70.410.08	567	70.447.21	569
66.220.07	547					70.252.00	563	70.410.09	567	70.447.25	569
66.220.08	547					70.258.08	564	70.410.10	567	70.447.29	569
66.220.09	547					70.258.14	564	70.410.11	567	70.447.33	569
66.220.10	547					70.260.01	564	70.410.12	567	70.447.37	569
66.220.11	547					70.260.02	564	70.410.13	567	70.447.41	569
66.220.12	547					70.261.01	564	70.410.14	567	70.502.25	570
66.220.13	547					70.261.02	564	70.410.15	567	70.504.25	570
66.220.14	547					70.262.01	564	70.410.16	567	70.505.24	570
66.220.15	547					70.262.02	564	70.410.17	567	70.506.25	570
66.220.16	547					70.271.01	564	70.410.18	567	70.507.28	570
66.220.17	547					70.271.02	564	70.410.19	567	70.508.17	570
66.220.18	547					70.271.03	564	70.410.20	567	70.510.18	570
66.220.19	547					70.281.01	564	70.410.21	567	70.512.20	570
66.220.20	547					70.281.02	564	70.410.22	567	70.514.24	571
66.220.21	547					70.281.03	564	70.410.23	567	70.515.24	571
66.220.22	547					70.291.01	565	70.410.24	567	70.524.06	571
66.220.23	547					70.291.02	565	70.410.25	567	70.524.08	571
66.220.24	547					70.291.03	565	70.410.26	567	70.524.10	571
66.220.25	547					70.301.01	565	70.410.27	567	70.525.06	571
66.220.26	547					70.301.02	565	70.410.28	567	70.525.08	571
66.220.27	547					70.301.03	565	70.410.29	567	70.525.10	571
66.220.28	547					70.303.01	565	70.410.30	567	70.526.20	571
66.220.29	547					70.303.02	565	70.415.01	568	70.531.23	571
66.220.30	547					70.303.03	565	70.415.02	568	70.532.21	571
66.221.00	547					70.303.04	565	70.415.03	568	70.533.21	571
66.221.12	547					70.305.02	565	70.415.04	568	70.536.28	571
66.221.14	547					70.304.01	565	70.415.05	568	70.539.26	571
66.221.16	547					70.304.02	565	70.415.06	568	70.542.20	572
66.221.18	547					70.304.03	565	70.415.07	568	70.543.32	572
66.221.20	547					70.305.01	565	70.415.08	568	70.545.27	572
66.221.22	547					70.305.02	565	70.415.09	568	70.547.23	572
66.221.24	547					70.305.03	565	70.415.10	568	70.549.25	572
66.221.26	547					70.305.04	565	70.415.11	568	70.550.28	572
66.221.28	547					70.307.00	565	70.415.12	568	70.552.28	572
66.221.30	547					70.309.00	565	70.415.13	568	70.559.26	572
66.221.32	547							70.415.14	568	70.565.28	573
66.221.34	547							70.415.15	568	70.567.26	573
66.221.36	547							70.415.16	568	70.580.32	573

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<u>88.182.12</u>	<u>606</u>	<u>88.204.14</u>	<u>606</u>
<u>88.185.08</u>	<u>606</u>	<u>88.204.16</u>	<u>606</u>
<u>88.185.10</u>	<u>606</u>	<u>88.204.19</u>	<u>606</u>
<u>88.185.13</u>	<u>606</u>	<u>88.204.24</u>	<u>606</u>
<u>88.185.15</u>	<u>606</u>	<u>88.204.29</u>	<u>606</u>
<u>88.185.19</u>	<u>606</u>	<u>88.204.34</u>	<u>606</u>
<u>88.189.14</u>	<u>606</u>	<u>88.204.39</u>	<u>606</u>
<u>88.189.16</u>	<u>606</u>	<u>88.209.14</u>	<u>606</u>
<u>88.189.19</u>	<u>606</u>	<u>88.209.16</u>	<u>606</u>
<u>88.189.24</u>	<u>606</u>	<u>88.209.19</u>	<u>606</u>
<u>88.194.14</u>	<u>606</u>	<u>88.209.24</u>	<u>606</u>
<u>88.194.16</u>	<u>606</u>	<u>88.209.29</u>	<u>606</u>
<u>88.194.19</u>	<u>606</u>	<u>88.209.34</u>	<u>606</u>
<u>88.194.24</u>	<u>606</u>	<u>88.209.39</u>	<u>606</u>
<u>88.194.29</u>	<u>606</u>	<u>88.209.49</u>	<u>606</u>
<u>88.194.34</u>	<u>606</u>	<u>88.209.59</u>	<u>606</u>
<u>88.194.39</u>	<u>606</u>		
<u>88.199.14</u>	<u>606</u>		
<u>88.199.16</u>	<u>606</u>		
<u>88.199.19</u>	<u>606</u>		
<u>88.199.24</u>	<u>606</u>		
<u>88.199.29</u>	<u>606</u>		
<u>88.199.34</u>	<u>606</u>		
<u>88.199.39</u>	<u>606</u>		