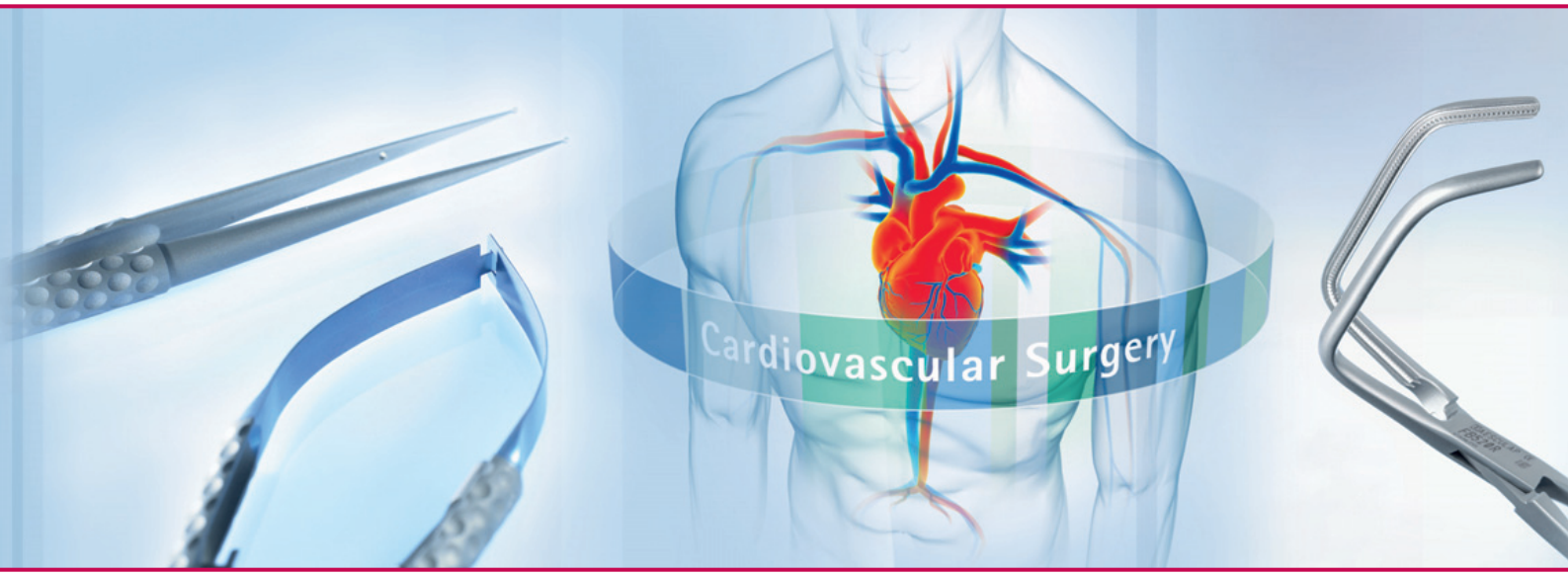
Aesculap Surgical Instruments

Cardiovascular and Thoracic Surgery
Main Catalog



Think Surgical Instruments. Think Aesculap.

B BRAUN
SHARING EXPERTISE

Think Aesculap.

Profound knowledge derives from appreciating the significance of individual pieces of knowledge or experience and fitting them together into a coherent network. A principle B. Braun has been following consistently for more than 160 years, clearly reflected in its corporate claim: "Sharing Expertise". Sharing knowledge across all company divisions creates a broader, sounder knowledge base for everyone involved, resulting in far sighted, detailed solutions and maximum safety. For the benefit of the patient and in the interests of the user.

With over 140 years of experience in the surgical instrument sector, the Aesculap Division is a competent partner for this interdisciplinary knowledge sharing process.

The Aesculap brand represents a varied spectrum that intelligently and economically combines high quality products with process-orientated services. Aesculap is a reliable and accepted partner for the entire surgical process in the hospital.

Aesculap owes its standing among the best in the business to its employees, who, searching for the best possible solution, are never satisfied with their initial idea. Who repeatedly examine, question and optimize every development.

Thus, Aesculap is much more than a supplier of high precision surgical instruments: a partner who listens carefully and contributes ideas, who understands the customers' needs and requirements and provides for them on a high level. From products to services and seminars for all areas of activity within the hospital.

Think Quality

Think Partnership

I treat contracts like a partnership: based on mutual trust and respect.

Think Partnership. Think Aesculap.

Think Competence

The Aesculap Information Center in Tuttlingen is unique. Nowhere else in the world could I advise my customers so competently and offer such choice.

Think Competence. Think Aesculap.

Our instruments are held in high esteem by surgeons all over the world. I know why this is and I make sure it stays that way.

Think Quality. Think Aesculap.

People I talk to can be critical at first: high quality, but still an economically sensible solution?
Then I simply let the facts speak for themselves.

Think Economy. Think Aesculap.

Think Economy

Think Service

Sometimes it's the minor details we provide that make the process run smoothly. The main thing is, everything works and everyone is happy.

Think Service. Think Aesculap.

Think Innovation

Each new product is like your own baby. You lovingly take care of it until it grows up and leaves home.

Think Innovation. Think Aesculap.

Think Aesculap.

Profundes Wissen setzt die Vernetzung von Kenntnissen und Erfahrungen sowie deren folgerichtige Bewertung voraus. Ein Prinzip, dem B. Braun seit über 160 Jahren konsequent folgt und welches sich daher auch in der Aussage „Sharing Expertise" ausdrücklich widerspiegelt. Ein Wissensaustausch über alle Sparten des Konzerns hinweg schafft eine breitere und somit fundiertere Wissensbasis für alle Beteiligten. Das Ergebnis sind bis ins Detail durchdachte, weitsichtige Lösungen und ein Höchstmaß an Sicherheit. Zum Wohl des Patienten und im Interesse der Anwender.

Mit über 140 Jahren Erfahrung im Segment der chirurgischen Instrumente ist die Sparte Aesculap kompetenter Partner für den interdisziplinären Wissensaustausch.

Die Produktmarke Aesculap steht für ein vielfältiges Leistungsspektrum, das hochwertige Produkte mit prozessorientierten Dienstleistungen intelligent und im Sinne der Wirtschaftlichkeit verknüpft. Aesculap ist ein verlässlicher und akzeptierter Partner für den gesamten chirurgischen Prozessablauf in der Klinik.

Dass Aesculap zu den Besten der Branche gehört, verdankt das Unternehmen seinen Mitarbeiterinnen und Mitarbeitern, die sich auf der Suche nach der bestmöglichen Lösung nie mit der ersten Idee zufrieden geben. Menschen, die jede Entwicklung immer wieder prüfen, hinterfragen und optimieren.

Deshalb ist Aesculap weit mehr als ein Lieferant hochpräziser chirurgischer Instrumente: ein Partner, der genau zuhört und mitdenkt, die Bedürfnisse und Anforderungen seiner Kunden versteht und sie auf hohem Niveau versorgt. Vom Produkt über Dienstleistungen und Seminare für alle Funktionsbereiche.

Think Quality

Think Partnership

Bei Verträgen halte ich es wie in einer Partnerschaft: gegenseitiges Vertrauen und Wertschätzung sind die Basis.

Think Partnership. Think Aesculap.

Think Competence

Das Informations- und Beratungszentrum in Tuttlingen ist weltweit einmalig. An keinem anderen Ort könnte ich so überzeugend und mit einer solchen Auswahl beraten!

Think Competence. Think Aesculap.

Unsere Instrumente werden von Chirurgen auf der ganzen Welt geschätzt. Ich weiß, warum das so ist und sorge dafür, dass es so bleibt.

Think Quality. Think Aesculap.

Am Anfang sind meine Gesprächspartner manchmal skeptisch: hohe Qualität und trotzdem eine wirtschaftlich sinnvolle Lösung?
Dann lasse ich einfach Fakten sprechen.

Think Economy. Think Aesculap.

Think Economy

Think Service

Manchmal sorgen wir auch mit Kleinigkeiten für einen reibungslosen Prozess. Hauptsache alles läuft und alle sind zufrieden.

Think Service. Think Aesculap.

Think Innovation

Jedes neue Produkt ist wie ein eigenes Baby. Man kümmert sich liebevoll darum, bis es irgendwann das Haus verlässt.

Think Innovation. Think Aesculap.

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Acculan 3Ti

Power Systems
Motorensysteme

Sterility – as simple as slipping in and out of gloves
Sterilität – so einfach wie Handschuhe an- und ausziehen

The principle: a non-sterile battery

Aesculap pioneered the use of non-sterile rechargeable batteries that never get into contact with the sterile external surfaces of the machine. Non-sterilizable batteries offer the advantages of a longer service life and maximum reliability.

Consequently this design concept has now been widely accepted and emulated.

Das Prinzip: ein Akku, der nicht sterilisiert werden muss

Aesculap war Pionier bei der Einführung eines unsterilen Akkus, der nicht mit dem sterilen Äußeren der Maschine in Kontakt kommt. Durch den Wegfall der Sterilisation errreichen die Akkus eine höhere Lebensdauer bei maximaler Zuverlässigkeit.

Ein Konzept, das sich heute aufgrund seiner Vorteile durchgesetzt hat.

For further details see brochure No. 031002

Weitere Informationen finden Sie in unserem Prospekt 031001

The Difference is in the detail

Acculan® 3Ti avoids sterilization not only of the temperature-sensitive battery cells, but also of the equally vulnerable control electronics by integrating it in the battery unit.

The new Acculan® 3Ti represents the consistent development of our philosophy.

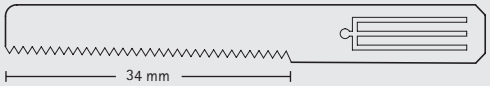
Der Unterschied liegt im Detail

Acculan® 3Ti vermeidet nicht nur die Sterilisation der temperaturempfindlichen Akkuzellen, sondern auch die der kompletten Steuerelektronik, da diese ebenfalls in den Akku integriert ist.

Mit den neuen Acculan® 3Ti wird unsere Philosopie konsequent weiterverfolgt.

GA674
Acculan® 3Ti Reciprocating saw
supplied with battery, lid and sterile funnel
Acculan® 3Ti Stichsäge
Lieferung inkl. Akku, Verschlussdeckel und Steriltrichter

GB436R
Protection guide for use with GA674 and saw blade GC761R
Stützfuß zur Verwendung mit GA674 und Sägeblatt GC761R



GC761R
Sternotomy saw blade for GA674
Sternumsägeblatt für GA674

GA677
Acculan® 3Ti charger
Acculan® 3Ti Ladegerät

GA673
Acculan® 3Ti Oscillating saw
supplied with battery, lid and sterile funnel
Acculan® 3Ti Oszillierende Säge
Lieferung inkl. Akku, Verschlussdeckel und Steriltrichter

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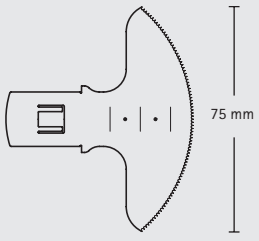
Acculan® 3Ti NiMH battery
Acculan® 3Ti NiMH Akku

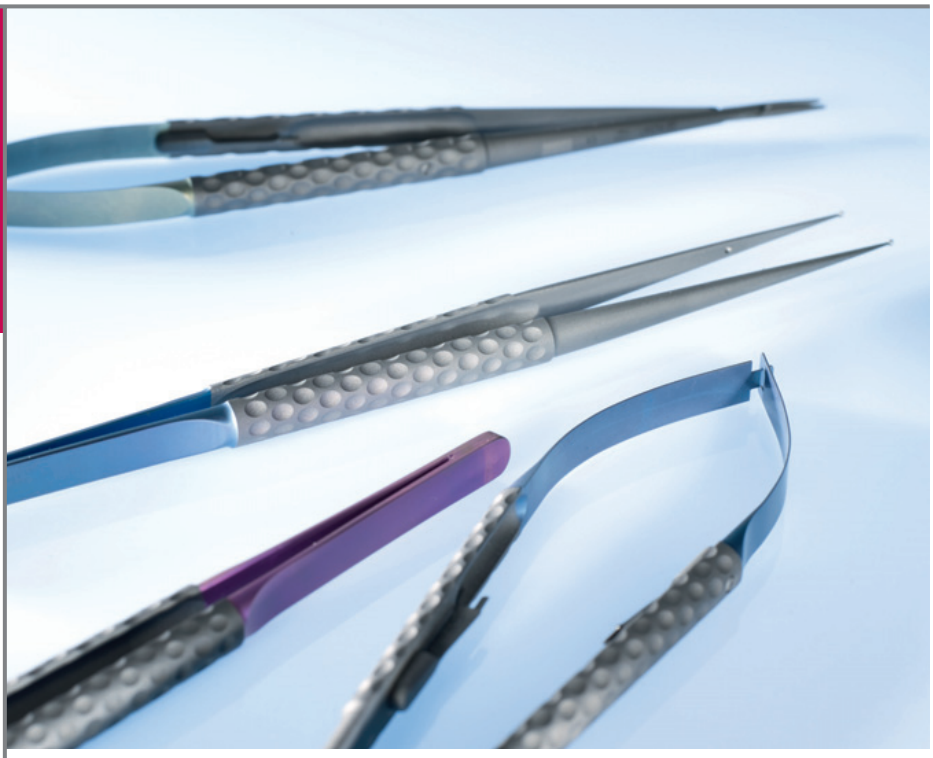
GA675
Acculan® 3Ti lid
Acculan® 3Ti Verschlussdeckel



GC671R
Saw blade for GA673
Sägeblatt für GA673

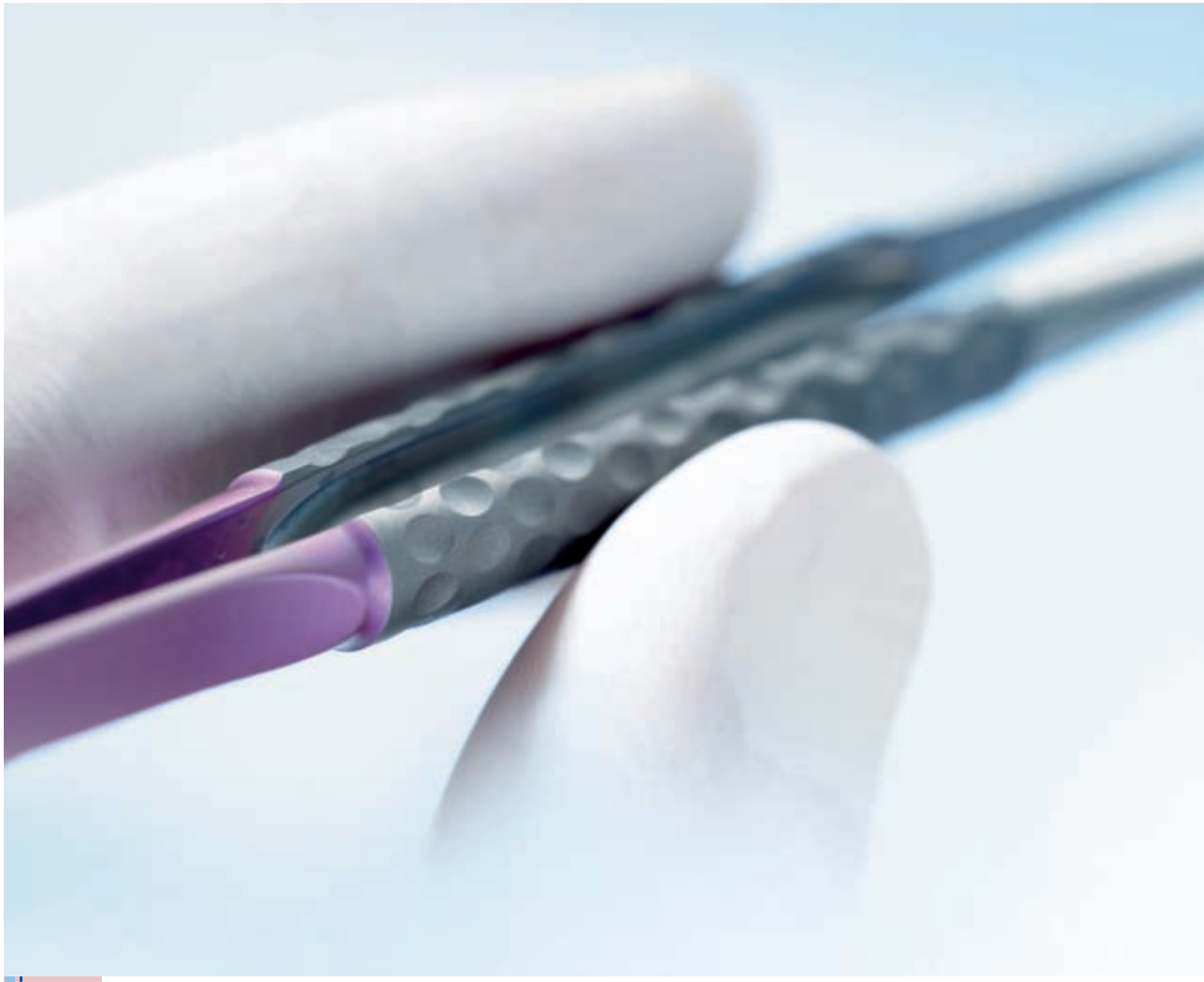
GA678
Acculan® 3Ti sterile funnel
Acculan® 3Ti Steriltrichter

TITANIUM



TITANIUM Instruments
TITANIUM Instrumente

Developed from the best of our ideas: TITANIUM Micro Instruments
Entwickelt aus unseren besten Ideen: TITANIUM Mikro-Instrumente



Fatigue-free lightness:
Aesculap TITANIUM micro instruments.

- The extremely light TITANIUM material is an advantage for lengthy cardiac and vascular operations. This helps to carry on operating over longer time periods with minimum fatigue.
- The non-magnetic material makes working with particularly fine needles easier for you.

Ermüdungsfreie Leichtigkeit:
Aesculap TITANIUM Mikro-Instrumente.

- Das extrem leichte Titan kommt Ihnen vor allem bei lang andauernde Herz- und Gefäßoperationen entgegen. Wir unterstützen Sie dabei, möglichst ermüdungsfrei über längere Zeiträume hinweg zu arbeiten.
- Im Umgang mit besonders feinen Nadeln erleichtert Ihnen der nicht-magnetische Werkstoff das Arbeiten.

For further details see
brochure No. **C23911**

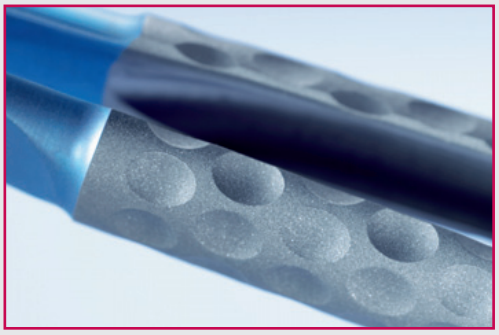
Weitere Informationen finden
Sie in unserem Prospekt **C23911**

Non-reflecting surface finish.

The non-reflecting surface finish provides optimal glare reduction for the end user.

Reflektionsarmes Oberflächendesign.

Die speziell verarbeitete Instrumentenoberfläche absorbiert das Operationslicht und sorgt so für ein angenehmes Operieren ohne Lichtreflektion.



Incomparable operating sensitivity: the Aesculap golfball design.

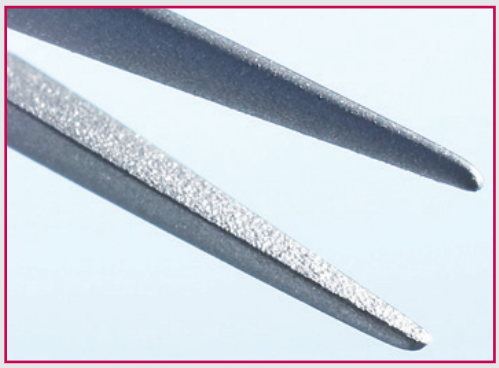
With its unique handling properties, the exclusive Aesculap golfball design is becoming more and more popular among surgeons.

Feel the difference. Ergonomic and stable, the handle design helps to combat fatigue. The unique geometry of the handle grants a previously unattainable degree of freedom in instrument handling.

Unvergleichliches Operationsgefühl: Aesculap Golfball-Design.

Das exklusive Aesculap Golfball-Design findet dank des angenehmen Handlings immer mehr Freunde unter Chirurgen.

Achten Sie auf Ihr Gefühl. Der Griff ist nicht nur ergonomisch und sicher, sondern er unterstützt Sie auch im ermüdungsfreien Arbeiten. Mit der ausgewogenen Griff-Geometrie des Instruments eröffnen Sie sich beim Handling einen nie dagewesenen Freiheitsgrad.

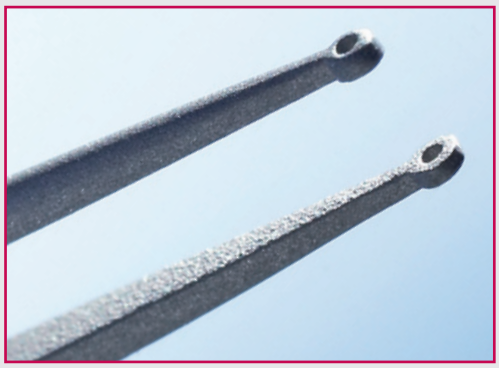


DIA DUST®

Exceptional grasping qualities: Aesculap DIA DUST®

All needle holder and forcep jaws are coated with Aesculap **DIA DUST®**. This coating ensures that the inner surfaces provide the best possible performance in hardness and wear resistance.

The texture of the jaws greatly increases its surface area, allowing you to grasp fine needles, sutures and soft tissue safely and securely. The needle quickly aligns itself in an ideal position in the rough surface. This results in a perfect grip that quite simply prevents any needle slippage.



DIA DUST®

Außergewöhnlicher Grip: Aesculap DIA DUST®

Im Arbeitsende sind alle Nadelhalter und Pinzetten mit Aesculap **DIA DUST®** beschichtet. Diese Beschichtung bringt für die Maulinnenflächen beste Ergebnisse in Härte und Verschleißfestigkeit.

Die ungleichmäßige Oberflächenbeschaffenheit führt zu einer starken Oberflächenvergrößerung. Damit können Sie feine Nadeln, Nahtmaterialien und Weichgewebe sicher fassen. Zudem findet die Nadel in der rauen Oberfläche schnell ihre ideale Position. Dies führt zu einem perfektem Grip, der ein Wegrutschen oder Kippen der Nadel ganz einfach verhindert.

Unmistakable identification: the Aesculap color code.

The unique color coding means that you automatically pick up the right instrument.

Unverwechselbare Kennzeichnung: Aesculap Color Code.

Mit der intelligenten Farbcodierung greifen Sie automatisch und sicher zum richtigen Instrument.

Micro Forceps

The color coding enables you to identify the fine working end rapidly and reliably at a glance.

Aquamarine: Micro forceps with ring jaw		**Aquamarin:** Mikro-Pinzetten mit Ring
Citrine: Micro forceps with plateau jaw		**Citrin:** Mikro-Pinzetten mit Plateau
Purpurite: Micro forceps with DeBakey jaw		**Purpurit:** Mikro-Pinzetten DeBakey

Mikro-Pinzetten

Mit Hilfe der Farbcodierung identifizieren Sie das feine Arbeitsende rasch und sicher auf einen Blick.

Micro Needle Holders

Using the color coding found on the spring, you quickly find the right needle holder for the suture you are using.

Aquamarine: For suture size 5/0 and smaller		**Aquamarin:** Für Nahtmaterial 5/0 und kleiner
Citrine: For suture size 7/0 and smaller		**Citrin:** Für Nahtmaterial 7/0 und kleiner

In addition to color coding, all needle holders are also labeled with their recommended suture size.

Mikro-Nadelhalter

Über die Farbcodierung auf der Feder finden Sie schnell den richtigen Nadelhalter für das jeweilige Nahtmaterial.

Zusätzlich zur Farbcodierung sind alle Nadelhalter mit der empfohlenen Nahtmaterialgröße beschriftet.

1/1

FM317T-FM337T

185 mm, 7 1/4"

1/1

FM318T-FM338T

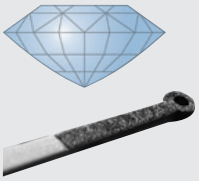
210 mm, 8 1/4"

1/1

FM319T-FM339T

230 mm, 9"

DIA DUST®



All needle holder and forceps jaws are coated with Aesculap DIA DUST®. This coating ensures that the inner surfaces provide the best possible performance in hardness and wear resistance. The texture of the jaws greatly increases its surface area, allowing you to grasp fine needles, sutures and soft tissue safely and securely. The needle quickly aligns itself in an ideal position in the rough surface. This results in a perfect grip that quite simply prevents any needle slippage.

Die Beschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus unterstützt die Struktur der DIA DUST® Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.

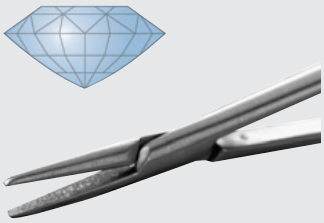
Jaw type Maulform	Diam. of ring: 1 mm, straight Ring-Ø: 1 mm, gerade	Platform tips, straight Fadenplatte, gerade	DeBakey tip, 1 mm DeBakey Zahnung, 1 mm
Total length Gesamtlänge			
185 mm 7 1/4"	FM317T	FM327T	FM337T
210 mm 8 1/4"	FM318T	FM328T	FM338T
230 mm 9"	FM319T	FM329T	FM339T

FM232T-FM258T
185 mm, 7 1/4"

FM233T-FM259T
210 mm, 8 1/4"

FM234T-FM260T
230 mm, 9"

DIA DUST®



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		1/1	1/1
		Suture size Nahtmaterialgröße	
with catch mit Sperre	Total length Gesamtlänge	7/0 and smaller 7/0 und kleiner	5/0 and smaller 5/0 und kleiner
	185 mm 7 1/4"	FM258T	FM238T
	210 mm 8 1/4"	FM259T	FM239T
	230 mm 9"	FM260T	FM240T

		1/1	1/1
		Suture size Nahtmaterialgröße	
without catch ohne Sperre	Total length Gesamtlänge	7/0 and smaller 7/0 und kleiner	5/0 and smaller 5/0 und kleiner
	185 mm 7 1/4"	FM252T	FM232T
	210 mm 8 1/4"	FM253T	FM233T
	230 mm 9"	FM254T	FM234T

TITANIUM

MILLIMETERS

Non-reflecting surface finish

The non-reflecting surface finish provides optimal glare reduction for the end user.

Reflektionsarmes Oberflächendesign

Die speziell verarbeitete Instrumentenoberfläche absorbiert das Operationslicht und sorgt so für ein angenehmes Operieren ohne Lichtreflektion.

Blue rings

Blue rings for definite identification of an Aesculap Titanium Instrument.

Blaue Ringe

Blaue Ringe zur eindeutigen Identifikation eines Aesculap Titanium-Instruments.

Fatigue-free lightness

The extremely light TITANIUM material is an advantage for lengthy cardiac and vascular operations. This helps to carry on operating over longer time periods with minimum fatigue.

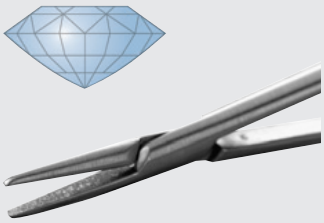
The low weight of these instruments supports an atraumatic operation and prevents the vessels from getting damaged.

Ermüdungsfreie Leichtigkeit

Das extrem leichte Titan kommt dem Chirurgen vor allem bei lang andauernden Herz- und Gefäßoperationen entgegen. Diese Instrumente unterstützen ihn dabei, möglichst ermüdungsfrei über längere Zeiträume hinweg zu arbeiten.

Das geringe Eigengewicht dieser Instrumente unterstützen ein atraumatisches Operieren und verhindern so das Beschädigen feiner Gefäßstrukturen.

DIA DUST®



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Die Beschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus unterstützt die Struktur der DIA DUST® Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.

BM385T
160 mm
6 1/4"

BM386T
180 mm
7"

BM387T
210 mm
8 1/4"

1/1

RYDER

BM385T–BM387T

Recommended for suture size 5/0 and smaller

Empfohlen für Nahtmaterial 5/0 und kleiner

MILLIMETERS

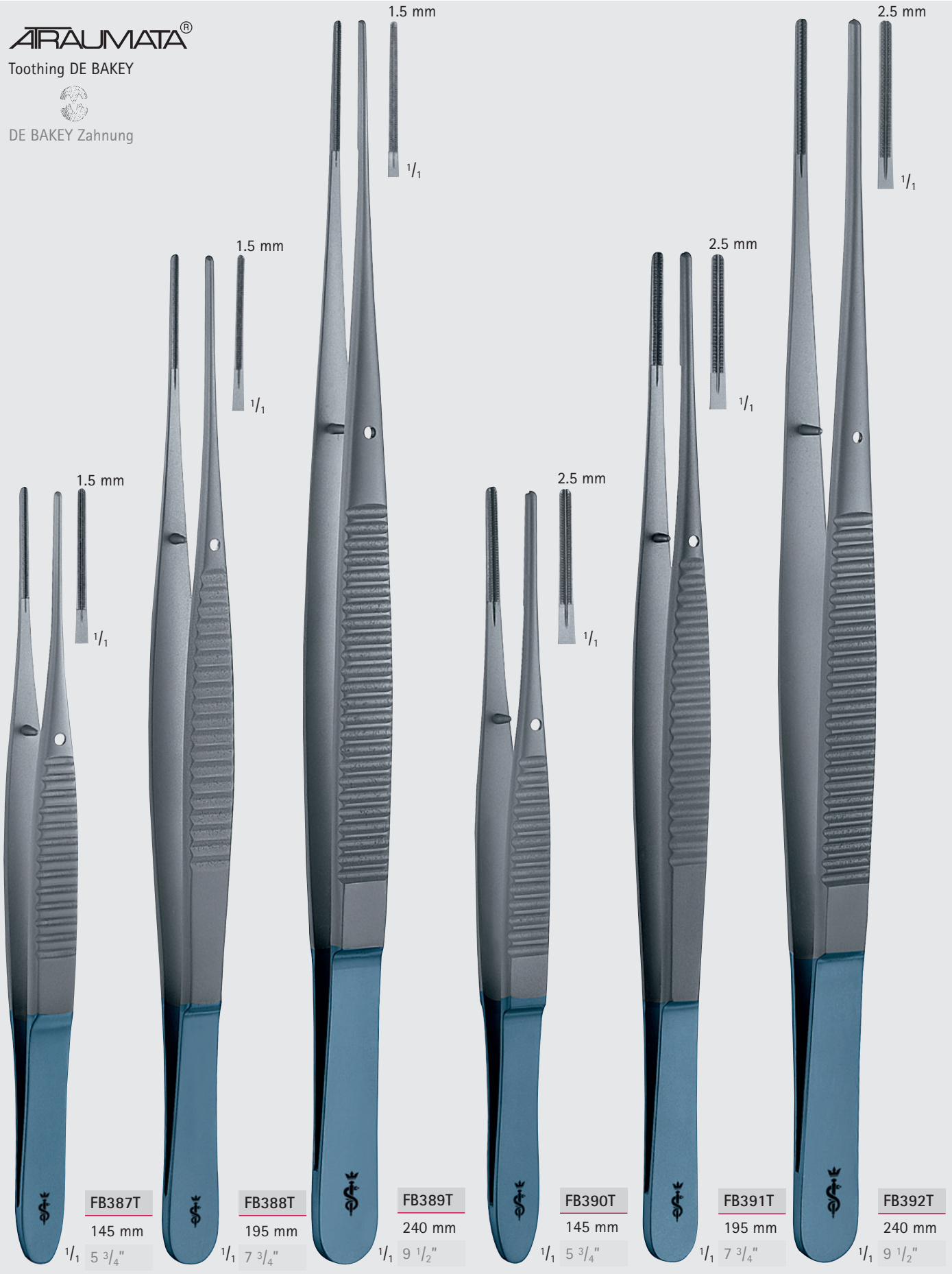
Titanium

TITANIUM

ARAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung



FB387T	FB388T	FB389T	FB390T	FB391T	FB392T
145 mm	195 mm	240 mm	145 mm	195 mm	240 mm
1/1 5 3/4"	1/1 7 3/4"	1/1 9 1/2"	1/1 5 3/4"	1/1 7 3/4"	1/1 9 1/2"

MICRO-ADSON

BD221T

Dissecting forceps

Anatomische Pinzette

120 mm, 4 3/4"

MICRO-ADSON

BD514T

Tissue forceps, delicate

Chirurgische Pinzette, fein

120 mm, 4 3/4"

ADSON

BD516T

Tissue forceps

Chirurgische Pinzette

120 mm, 4 3/4"

GERALD

BD227T

Dissecting forceps

Anatomische Pinzette

1/1 170 mm, 6 3/4"

GERALD

BD657T

Tissue forceps

Chirurgische Pinzette

1/1 170 mm, 6 3/4"

RESANO

BD715T

Grasping forceps

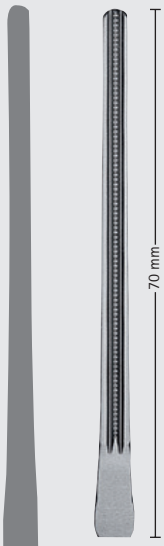
Fasspinzette

1/1 230 mm, 9"

ATRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung



1/1

DE BAKEY

FC320T

230 mm, 9"

ATRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung

DE BAKEY

FC321T

215 mm, 8 1/2"

ARAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung

FC322T	FC323T
225 mm	245 mm
9"	9 3/4"

DE BAKEY

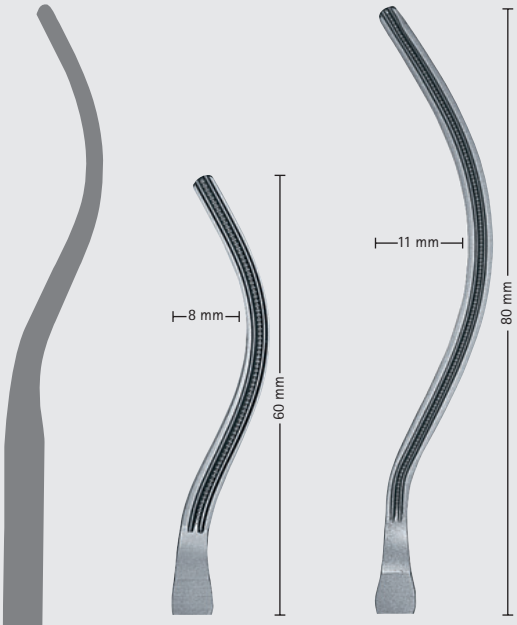
FC322T-FC323T

TITANIUM

ATRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung



FC324T	FC325T
220 mm	270 mm
8 3/4"	10 3/4"

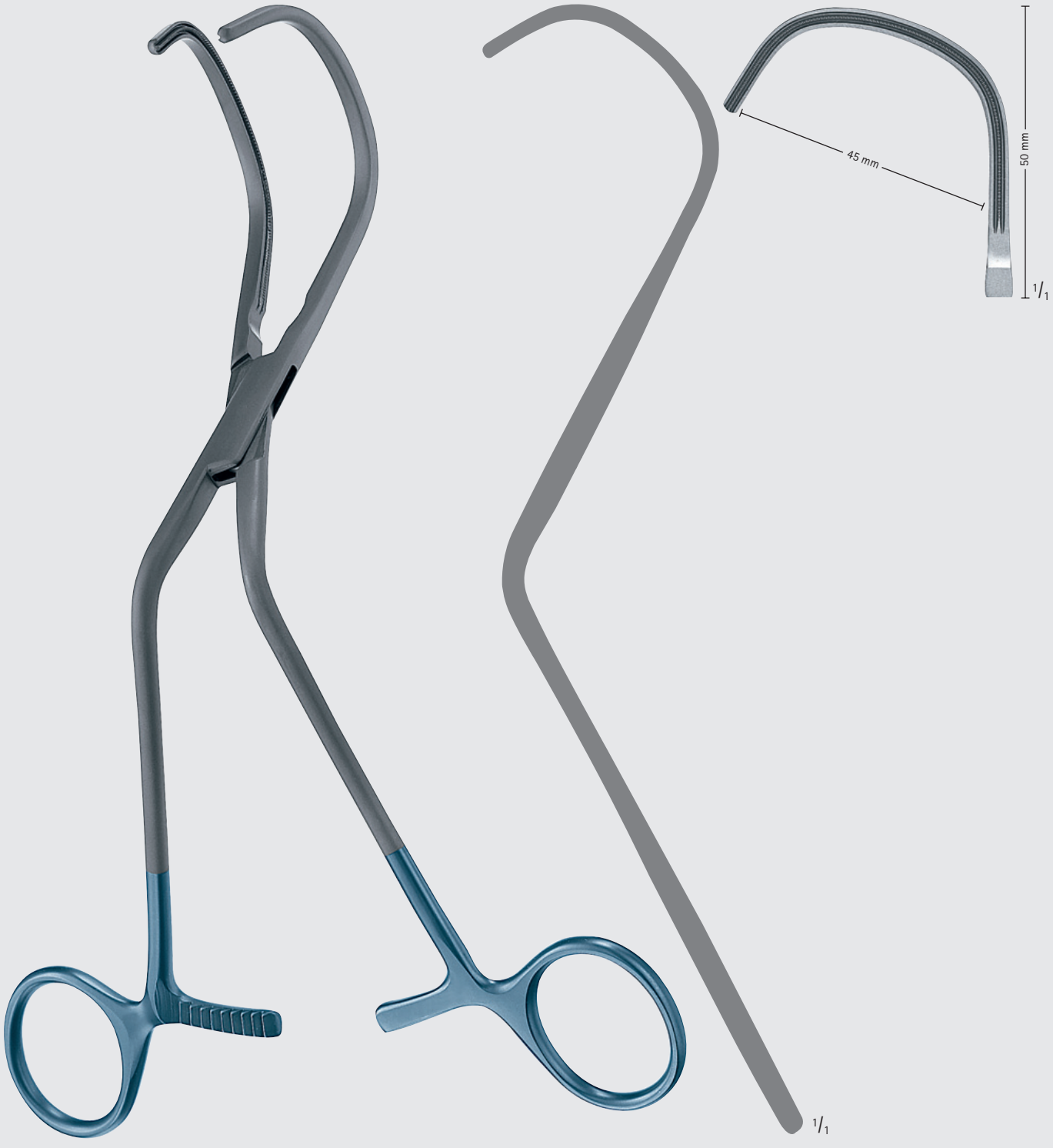
GLOVER

FC324T-FC325T

ATRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung



LAMBERT-KAY

FC326T

195 mm, 7 3/4"

ATRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung

DE BAKEY

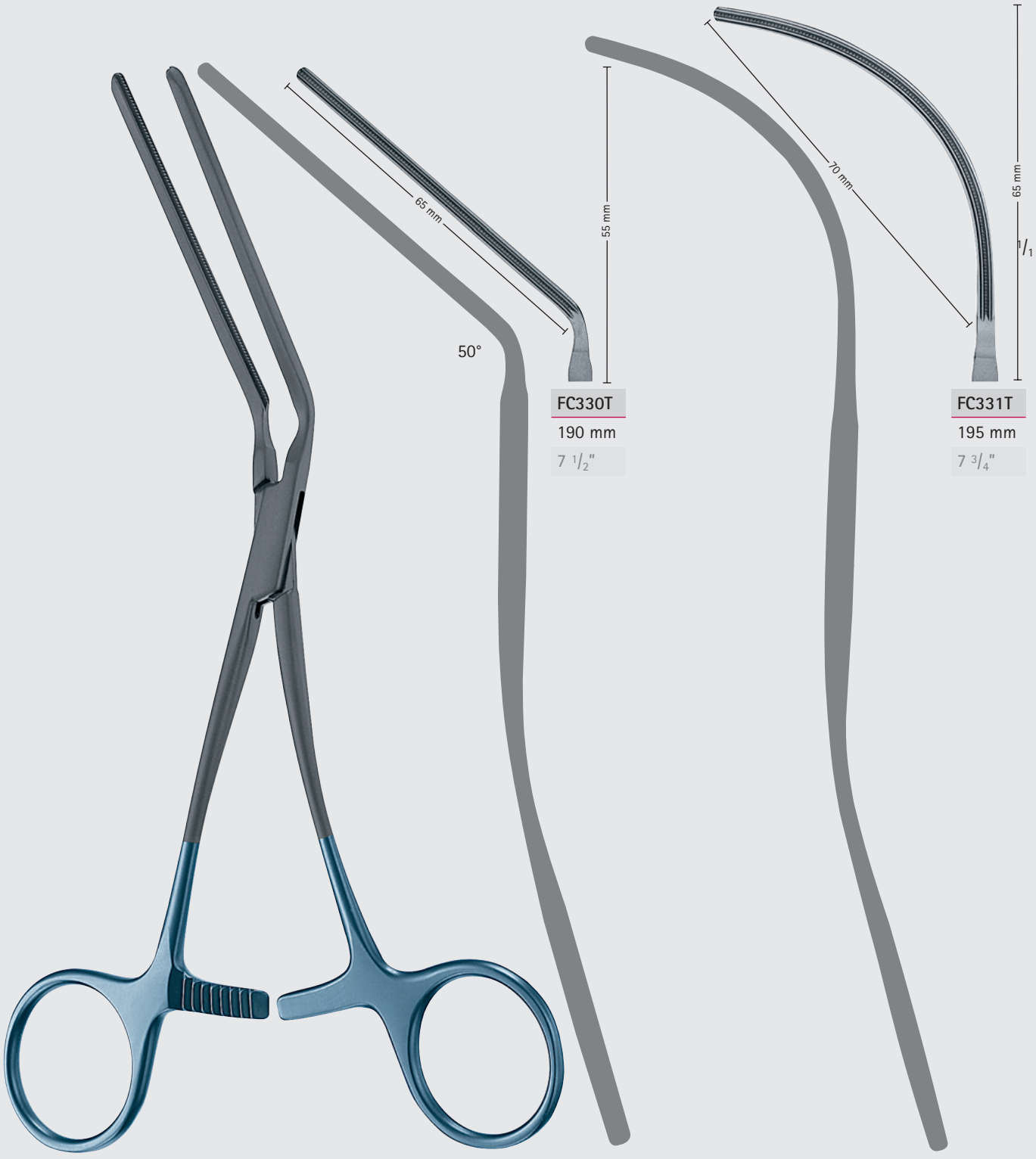
FC327T–FC328T

FC327T	FC328T
310 mm	320 mm
12 1/4"	13 1/8"

ATRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung



FC330T
190 mm
7 1/2"

FC331T
195 mm
7 3/4"

DE BAKEY

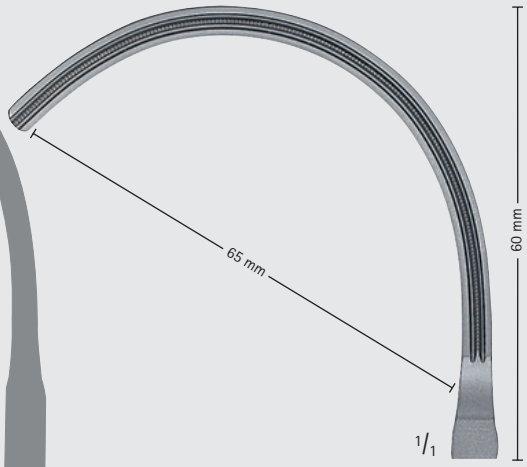
FC330T–FC331T

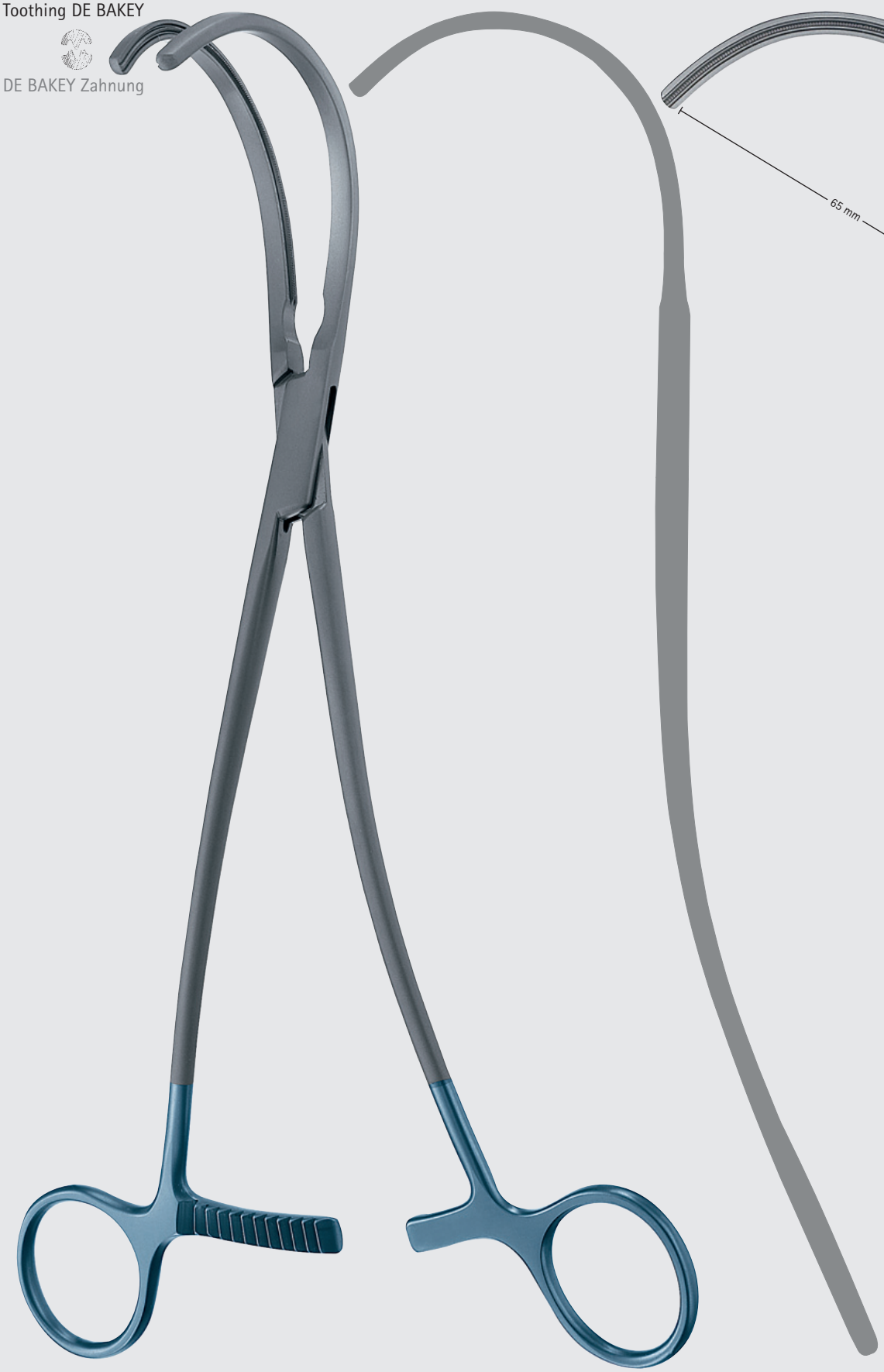
MILLIMETERS

TRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung





DE BAKEY

FC329T

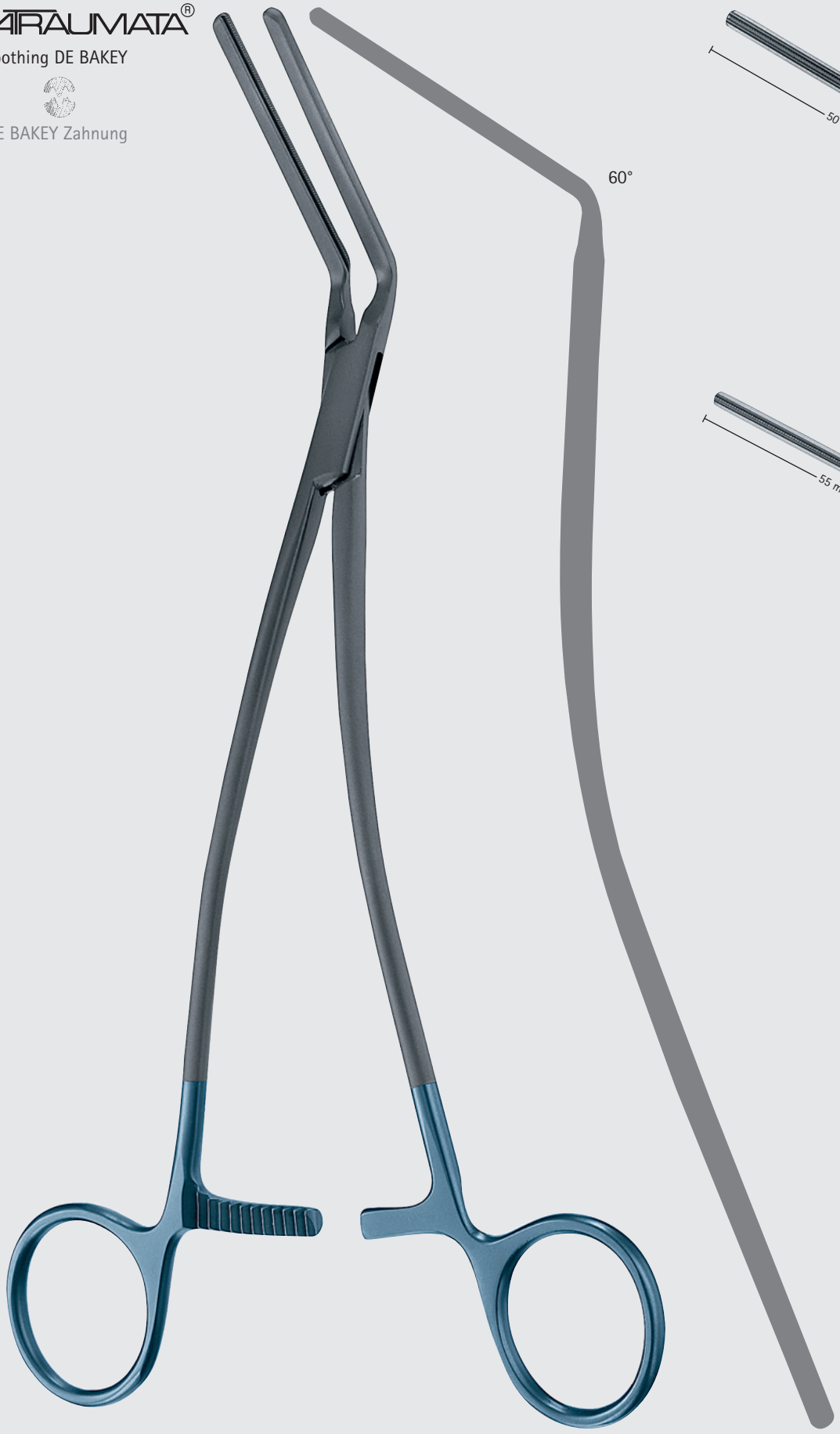
260 mm, 10 1/4"

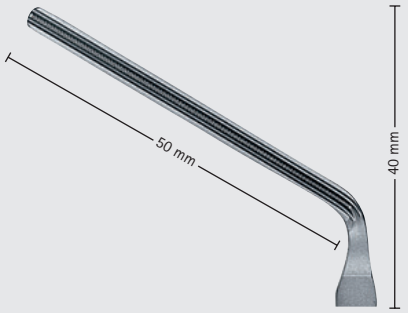
INCHES

TRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung

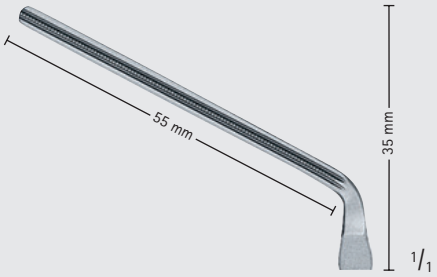




FC333T

215 mm

8 1/2"



FC332T

240 mm

9 1/2"

DE BAKEY

FC332T–FC333T

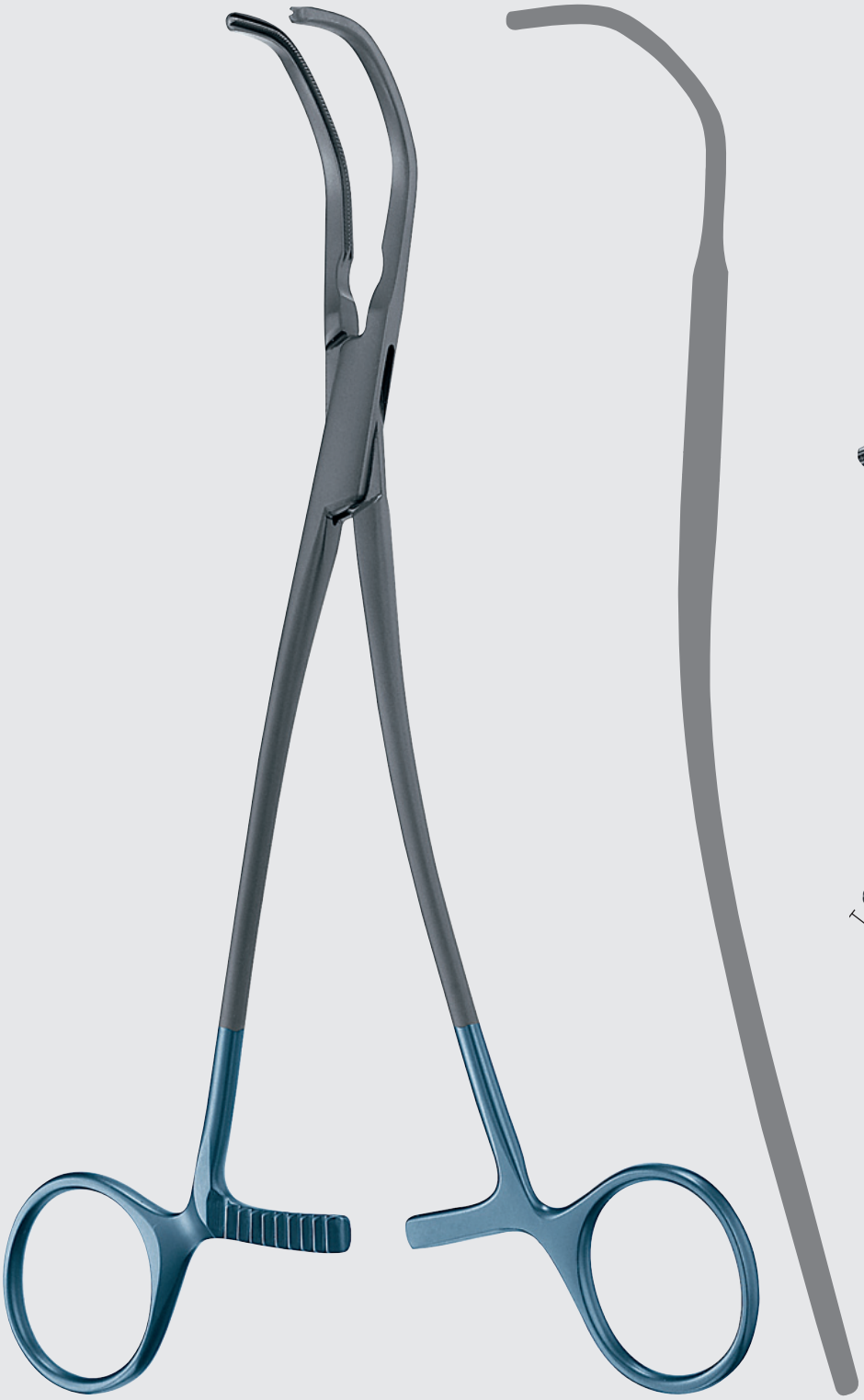
MILLIMETERS

TITANIUM

ATRAUMATA®

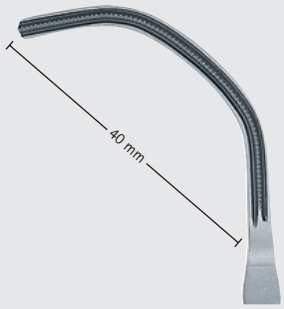
Toothing DE BAKEY

DE BAKEY Zahnung



DE BAKEY-SATINSKY

FC334T-FC336T



FC336T
200 mm
8"

FC335T
245 mm
9 3/4"

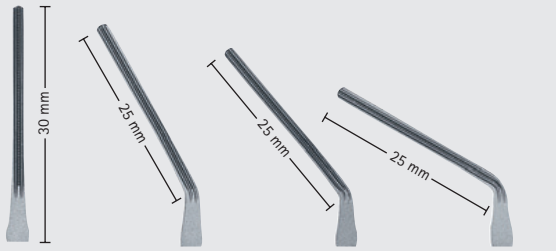
FC334T
250 mm
10"

INCHES

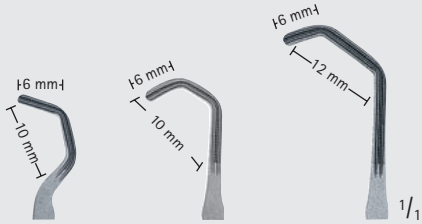
AESCULAP® TRAUMATA®

Toothing DE BAKEY

DE BAKEY Zahnung



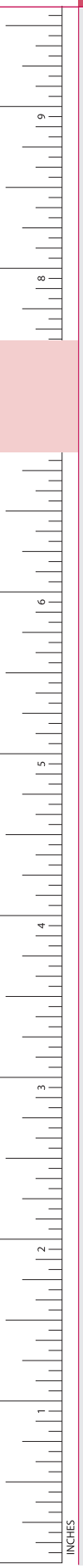
FC337T	FC338T	FC339T	FC340T
straight gerade	30°	45°	60°
110 mm	110 mm	110 mm	110 mm
4 3/8"	4 3/8"	4 3/8"	4 3/8"



FC341T	FC342T	FC343T
95 mm	100 mm	100 mm
3 3/4"	4"	4"

DE BAKEY

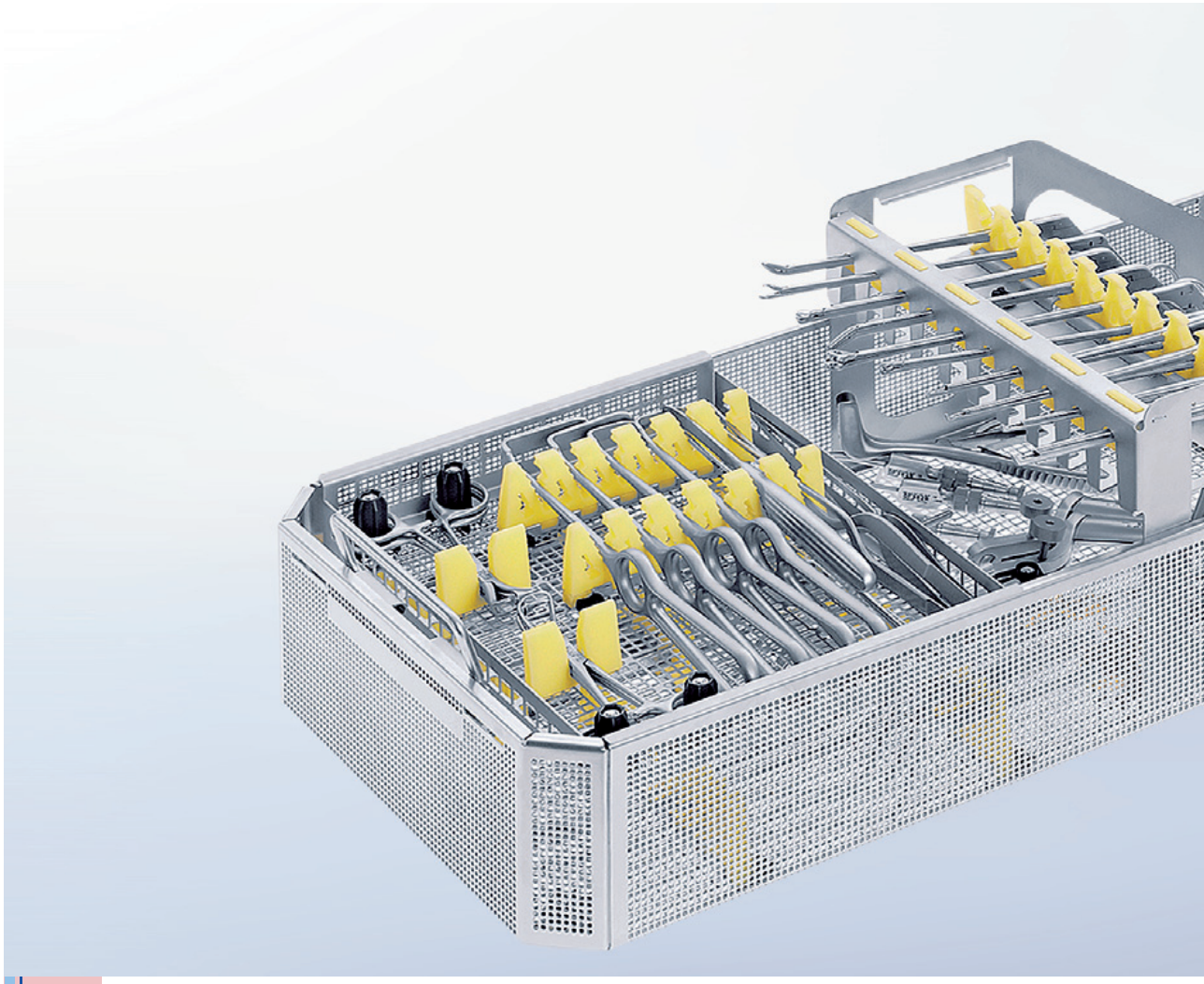
FC337T-FC343T


INCHES
1
2
3
4
5
6
8
9

Micro

Micro Instruments
Mikro-Instrumente

Aesculap Instrument Organisation System
Aesculap Instrumenten Organisationssystem

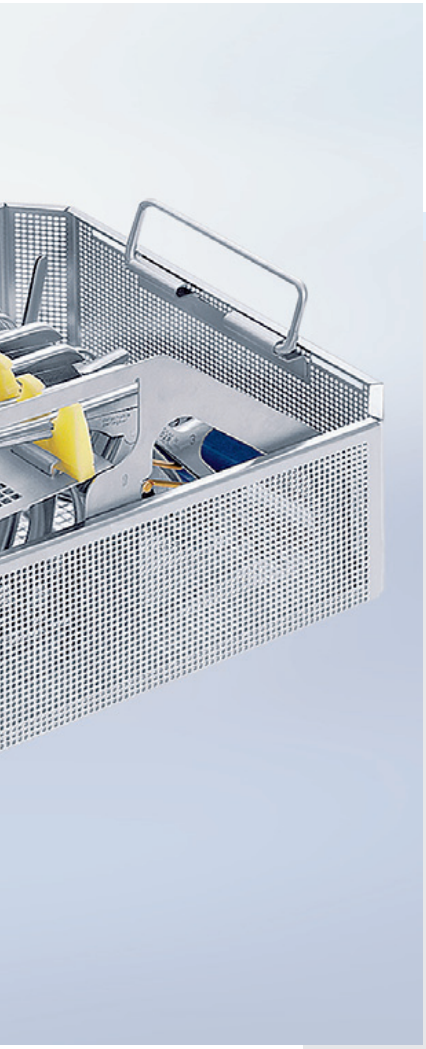


Organisation and Protection of Surgical Instruments

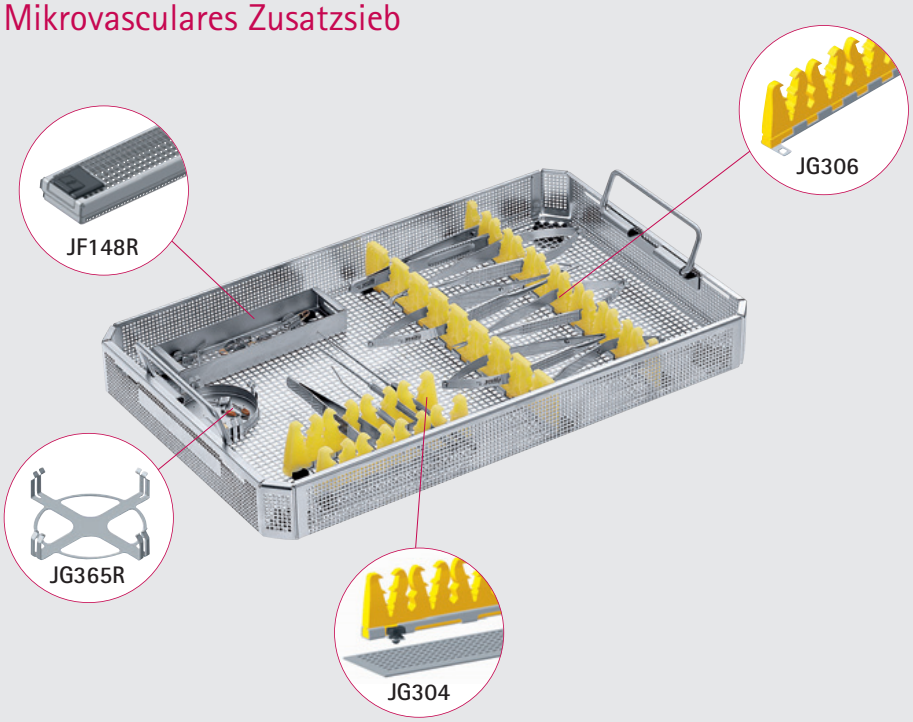
- Surgical instruments are valuable assets for every hospital, which is why they should be processed as efficiently and gently as possible.
- Therefore, protecting the instruments during sterilisation, as well as in transport to sterile supply stores and to the operating room, is of crucial importance.
- The Aesculap Organisation System for instrument trays facilitates the safe storage especially of delicate instruments and small items.

Organisation und Schutz chirurgischer Instrumente

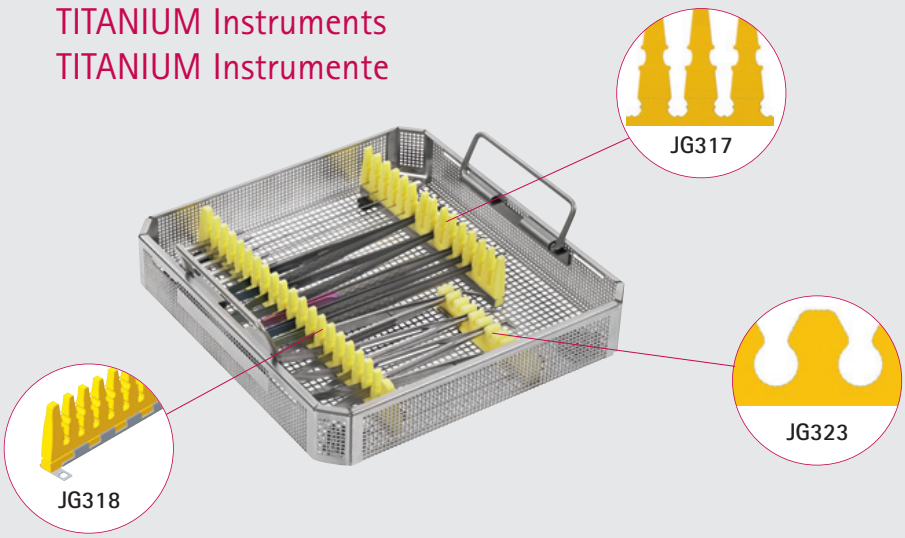
- Chirurgische Instrumente stellen ein wertvolles Kapital für jedes Krankenhaus dar und sollen daher auch so effizient und schonend wie möglich aufbereitet werden.
- Der Schutz der Instrumente während der Sterilisation und beim Transport in das Sterilgutlager und in den OP sind dabei von zentraler Bedeutung.
- Das Aesculap Organisationssystem für Instrumentensiebe erleichtert die sichere Lagerung insbesondere von empfindlichen Instrumenten und Kleinteilen.



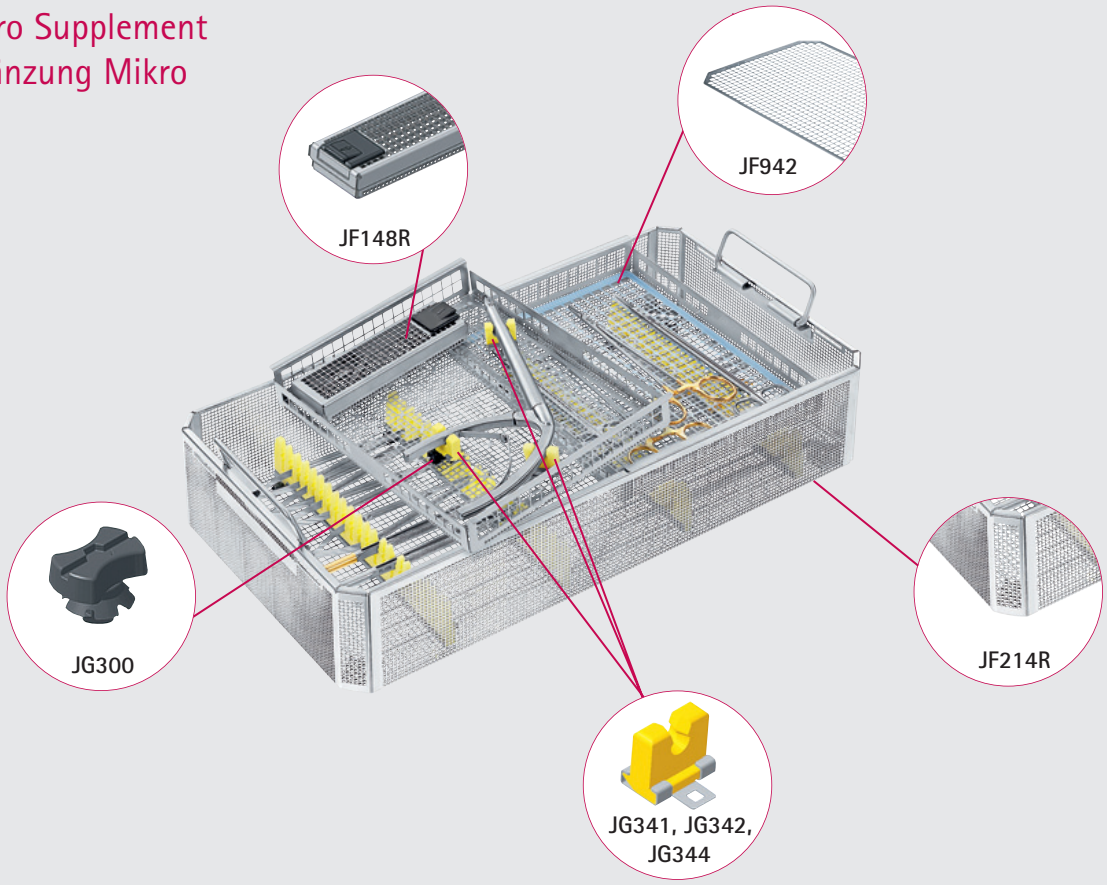
Microvascular Tray Accessory
Mikrovasculares Zusatzsieb



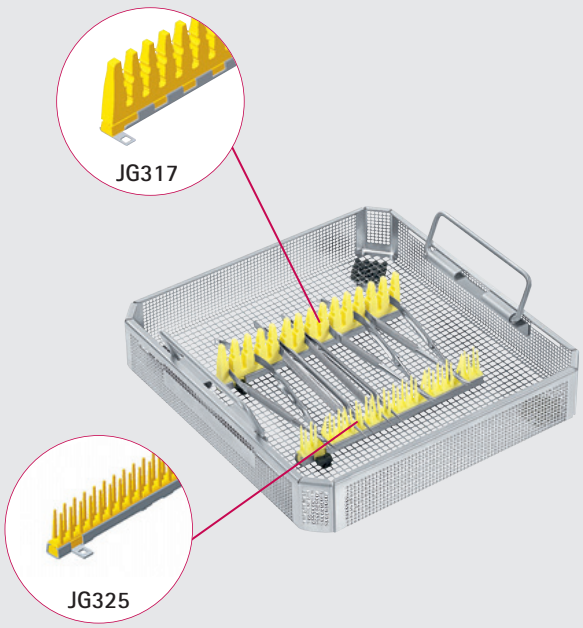
TITANIUM Instruments
TITANIUM Instrumente



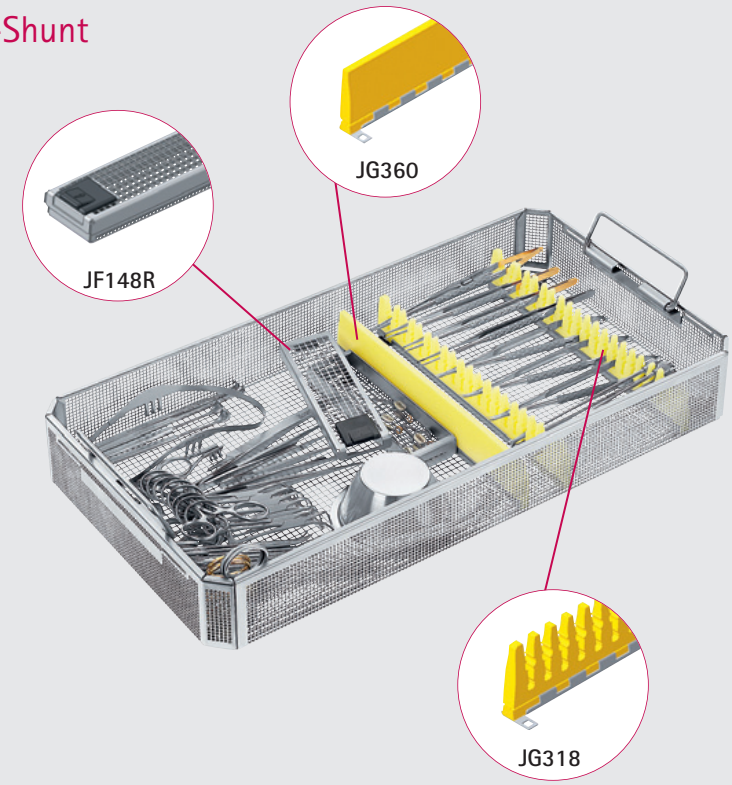
CABG Micro Supplement
CABG Ergänzung Mikro



Micro Instruments
Mikro-Instrumente



AV-Shunt
AV-Shunt



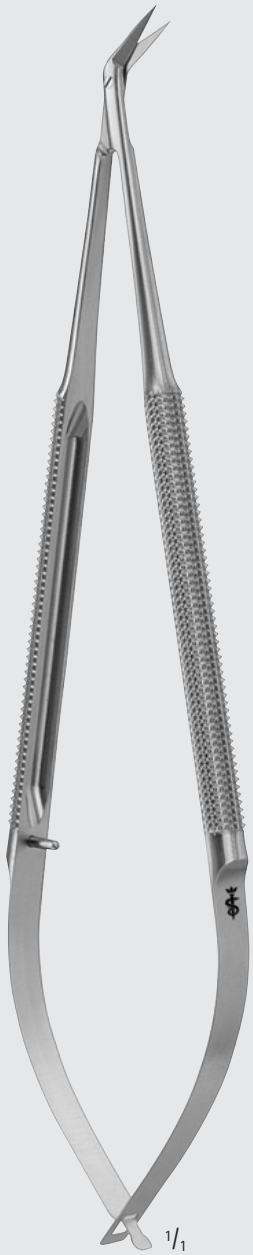
The trick is: Individual storage devices can be fastened from above or from the base of the tray using a simple clamp, without any laborious fastening procedure involving screws and nuts.

Der besondere Kniff: Die Befestigung der einzelnen Lagerungen ist entweder von oben möglich oder mit Hilfe einer einfachen Klammer von der Unterseite des Siebkorbs. Die umständliche Fixierung mit Schrauben und Muttern entfällt.

For further details see brochure **C81902.**

Weitere Informationen finden Sie in unserem Prospekt **C81901.**

- Instrument length depends on the blade length or angle
- Die Instrumentenlänge variiert in Abhängigkeit der Blattlänge oder des Blattwinkels.



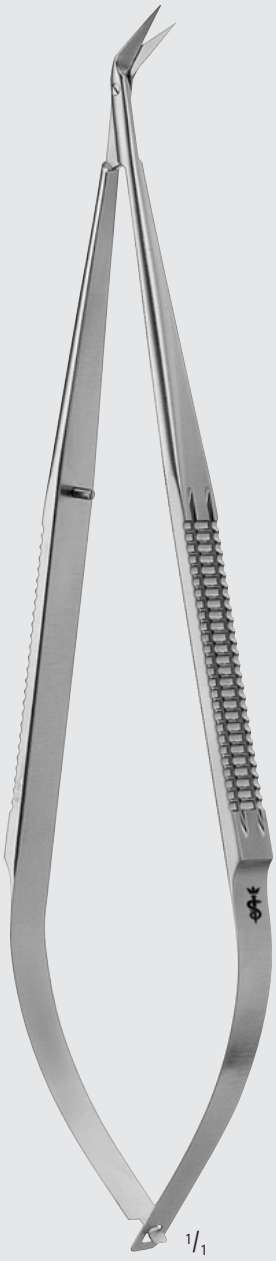
1/1

FM476R-FM508R

165 mm, 6 1/2"

	25°	45°	60°	90°	125°	straight gerade	curved on flat aufgebogen
Fine blade 15 mm Feines Blatt 15 mm	 FM476R	 FM477R	 FM478R	 FM479R	 1/1 FM480R		
Delicate blade 10 mm Sehr feines Blatt 10 mm	 FM482R	 FM483R	 FM484R	 FM485R	 FM486R	 FM488R	 1/1 FM481R
Delicate blade 10 mm 1 probe pointed blade Sehr feines Blatt 10 mm 1 Blatt mit Knopf	 FM489R	 FM490R	 FM491R	 FM492R	 1/1 FM493R		
Ultra delicate blade 7 mm Extrem feines Blatt 7 mm	 FM504R	 FM505R	 FM506R	 FM507R	 FM508R		 1/1 FM503R

- Instrument length depends on the blade length or angle
- Die Instrumentenlänge variiert in Abhängigkeit der Blattlänge oder des Blattwinkels.

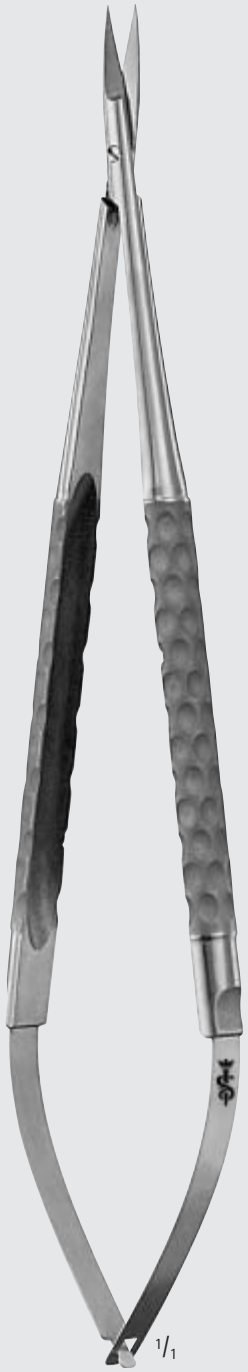


1/1

FM430R-FM474R

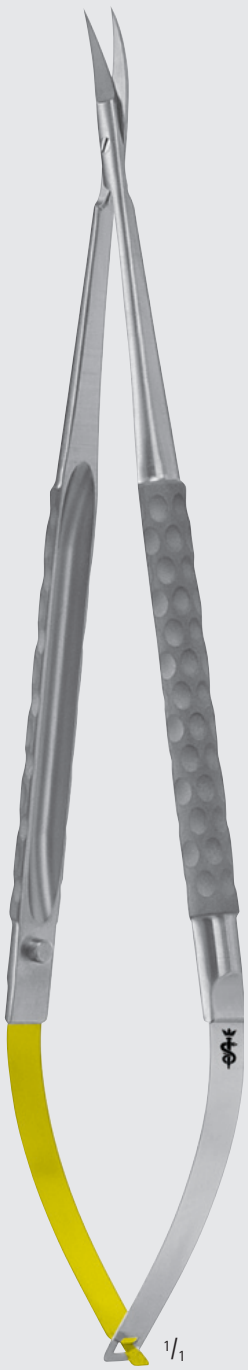
165 mm, 6 1/2"

	25°	45°	60°	90°	125°	straight gerade	curved on flat aufgebogen
Fine blade 15 mm Feines Blatt 15 mm	 FM470R	 FM471R	 FM472R	 FM473R	 1/1 FM474R		
Fine blade 15 mm 1 probe pointed blade Feines Blatt 15 mm 1 Blatt mit Knopf	 FM451R	 FM452R	 FM453R	 FM454R	 1/1 FM455R		
Delicate blade 10 mm Sehr feines Blatt 10 mm	 FM437R	 FM438R	 FM439R	 FM440R	 FM441R	 FM442R	 1/1 FM436R
Ultra delicate blade 7 mm Extrem feines Blatt 7 mm	 FM431R	 FM432R	 FM433R	 FM434R	 FM435R	 FM444R	 1/1 FM430R



FM042R
straight
sharp/sharp
gerade
spitz/spitz
180 mm, 7"

FD251R
curved
sharp/sharp
gebogen
spitz/spitz
180 mm, 7"

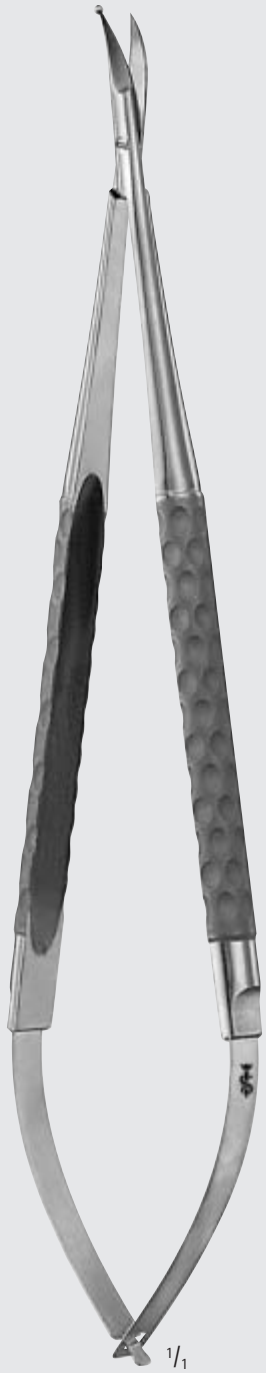


FD252R

Micro ligature scissors, curved
sharp/sharp, 1 blade serrated
for suture material 6/0 - 8/0

Mikro-Fadenschere, gebogen
spitz/spitz, 1 Blatt gezahnt
für Nahtmaterial von 6/0 - 8/0

180 mm, 7"

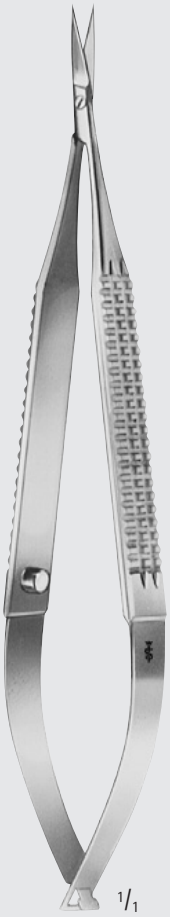


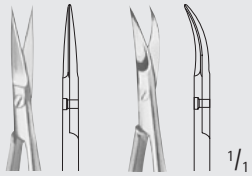
FM043R

curved
1 blade probe
pointed

gebogen
1 Blatt mit Knopf

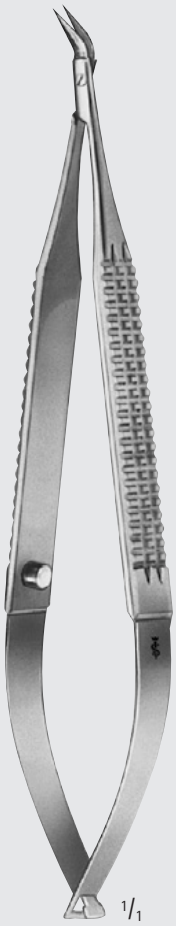
180 mm, 7"

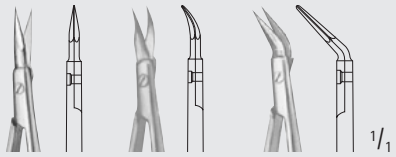




FD012R FD013R

FD012R-FD013R
120 mm, 4 3/4"





FD014R FD015R FD011R
angled on flat
abgewinkelt

VANNAS

FD011R-FD015R
120 mm, 4 3/4"

Vein scissors FD028R
for roughening vessel ends
- vessel cannot slip off
- clean, smooth cut

Venenschere FD028R
zum Auffrischen von Gefäßstümpfen
- kein Abgleiten des Gefäßes
- glatte, saubere Durchtrennung

FD028R
Vein scissors
Venenschere
130 mm, 5 1/8"

FD016R **FD017R**

FD016R-FD017R
160 mm, 6 1/4"

FD018R FD019R

VANNAS

FD018R–FD019R

160 mm, 6 1/4"

FD020R FD021R

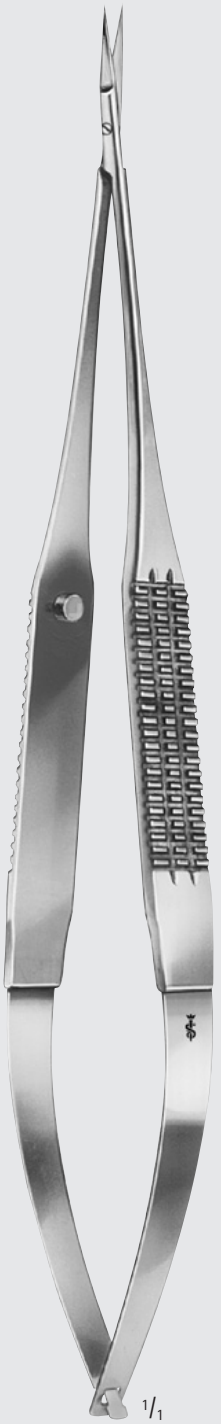
MILLESI

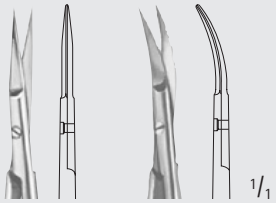
FD020R–FD021R

Blades serrrated

Schneiden gezahnt

160 mm, 6 1/4"



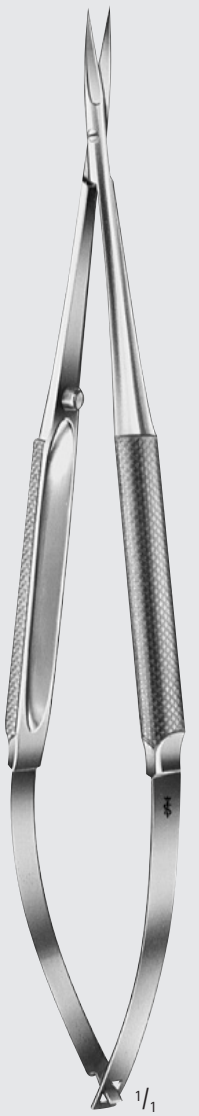


YASARGIL
FD022R

JACOBSON
FD023R

1/1

FD022R–FD023R
185 mm, 7 1/4"



FD100R

FD101R

FD103R
Micro dissecting scissors
Mikro-Präparierschere

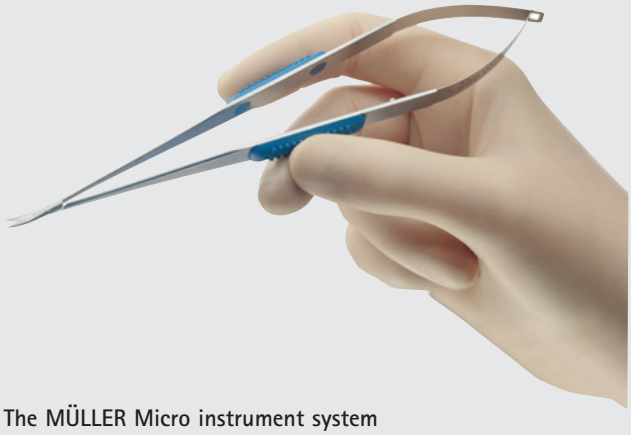
1/1

FD100R–FD103R
145 mm, 5 3/4"

Micro Instruments – Mikro-Instrumente

Micro Scissors

Mikro-Scheren



The MÜLLER Micro instrument system

- A top quality set for peripheral microsurgery.
  Numerous details tried and tested in practice mean increased efficiency and safety.
- Natural holding position = increased sensitivity
  The light plastic profile increases the grip surface, thus guaranteeing a natural hand position without cramping and providing enhanced sensitivity.
- Easier rotation = extended working area
  The round grip cross section permits easy and uniform rotation of the instrument. This extends the application and working areas.
- Safe grip
  The easy grip studded profile guarantees a secure hold for all movements.
- Optimum handling
  Development in accordance with ergonomic criteria and the low weight of the new plastic grips provide fatiguefree working and optimum handling.

Das MÜLLER Mikro-Instrumentarium

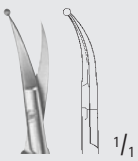
- Ein hochwertiges Set für die periphere Mikrochirurgie.
  Zahlreiche praxisbewährte Details führen zu mehr Effektivität und Sicherheit.
- Unverkrampfte Haltung = mehr Feingefühl
  Das leichte Kunststoffprofil vergrößert die Griffoberfläche, gewährleistet dadurch eine unverkrampfte Handhaltung und verleiht mehr Feingefühl.
- Leichteres Drehen = erweiterter Arbeitsbereich
  Der runde Griffquerschnitt ermöglicht leichtes, gleichmäßiges Drehen des Instrumentes. Verwendungs- bzw. Arbeitsbereich wird dadurch erweitert.
- Sicherer Halt
  Das griffige Noppenprofil gewährleistet einen durchweg sicheren Halt bei sämtlichen Bewegungsabläufen.
- Optimales Handling
  Eine Entwicklung nach ergonomischen Gesichtspunkten, verbunden mit dem geringen Gewicht der neuen Kunststoffgriffe schaffen die Voraussetzung zu ermüdungsfreiem Arbeiten und optimalem Handling.

FM010R
sharp/sharp
spitz/spitz

FM011R
sharp/sharp
spitz/spitz

FM012R
sharp/blunt
spitz/stumpf

FM013R
blunt/blunt
stumpf/stumpf



FM014R
probe pointed/sharp
Kugel/spitz

MÜLLER

FM010R–FM014R

120 mm, 4 3/4"

FM040R
sharp/sharp
spitz/spitz

FM041R
sharp/sharp
spitz/spitz

MÜLLER

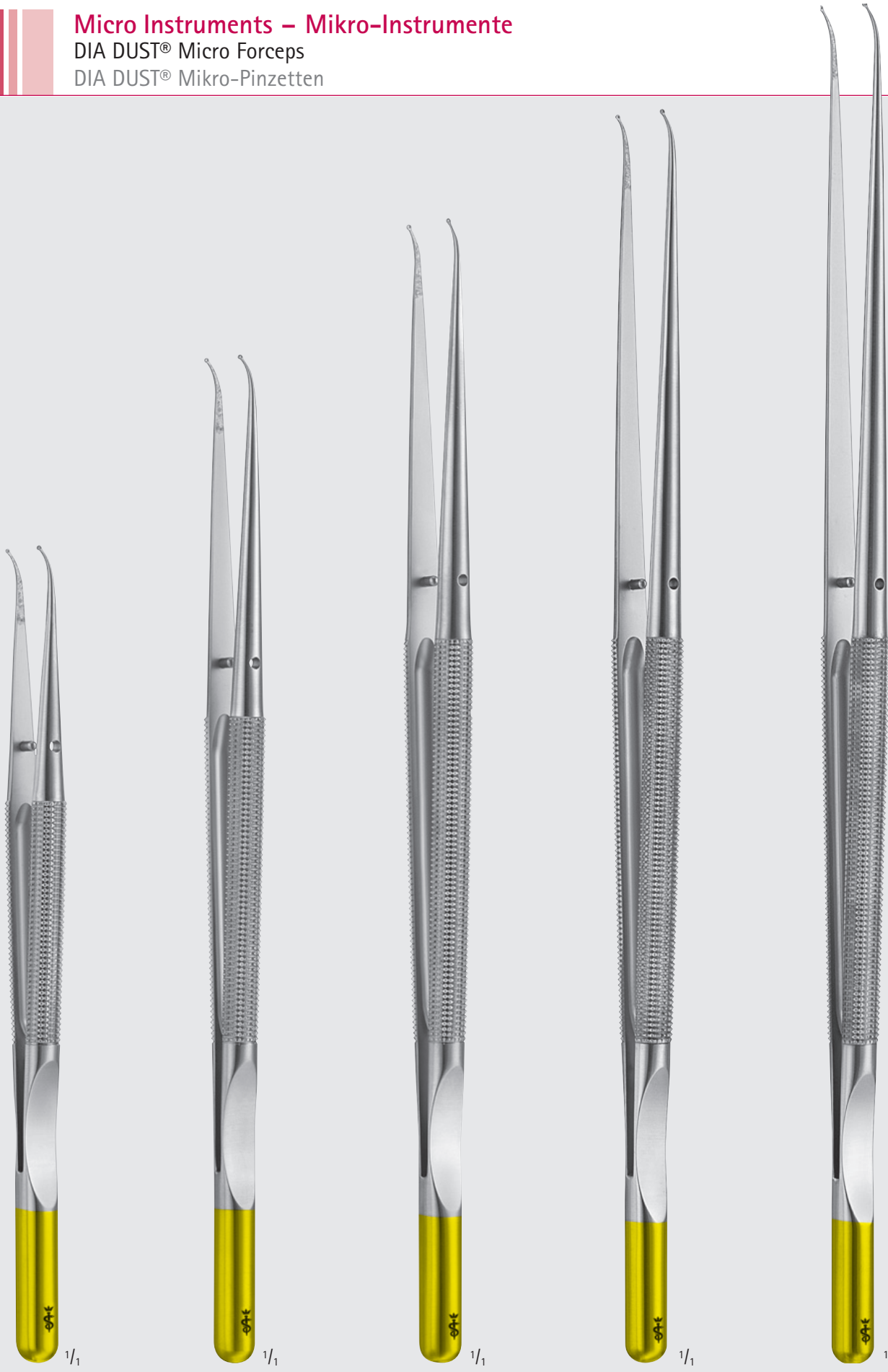
FM040R–FM041R

170 mm, 6 3/4"

Micro Instruments – Mikro-Instrumente

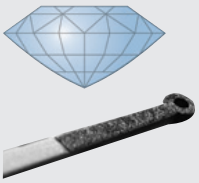
DIA DUST® Micro Forceps

DIA DUST® Mikro-Pinzetten



FM570R-FM581R	FM572R-FM592R	FM574R-FM600R	FM576R-FM577R	FM593R-FM596R
150 mm, 6"	185 mm, 7 1/4"	210 mm, 8 1/4"	230 mm, 9"	250 mm, 10"

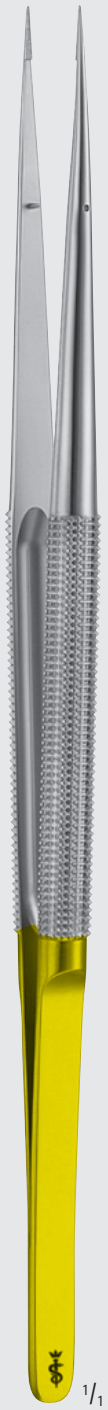
DIA DUST®



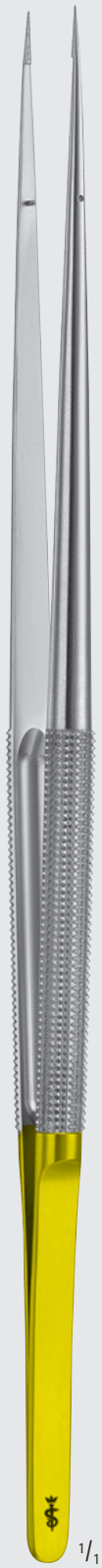
The diamond dust coating ensures an even harder and more wear resistant surface on the inside of the jaws. Moreover, the structure of the DIA DUST® coating guarantees a reliable grip for fine needles and sutures, as well as for tissue.

Die Diamantstaubbeschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus garantiert die Struktur der DIA DUST®-Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.

Jaw type Maulform	Diam. of ring: 1 mm, straight Ring-Ø: 1 mm, gerade	Diam. of ring: 1 mm, curved Ring-Ø: 1 mm, gebogen	Diam. of ring: 2 mm, straight Ring-Ø: 2 mm, gerade	Platform tips, straight Fadenplatte, gerade	Platform tips, curved Fadenplatte, gebogen	DeBakey tip, 1 mm DeBakey Zahnung, 1 mm,
Total length Gesamtlänge						
150 mm 6"	FM570R	FM571R		FM578R	FM581R	
185 mm 7 1/4"	FM572R	FM573R	FM579R	FM580R	FM583R	FM592R
210 mm 8 1/4"	FM574R	FM575R		FM599R	FM585R	FM600R
230 mm 9"	FM576R	FM577R				
250 mm 10"	FM596R	FM595R		FM594R	FM593R	

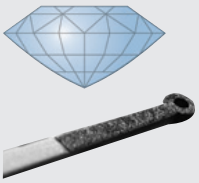


FM582R-FM597R
185 mm, 7 1/4"



FM584R-FM598R
210 mm, 8 1/4"

DIA DUST®



The diamond dust coating ensures an even harder and more wear resistant surface on the inside of the jaws. Moreover, the structure of the DIA DUST® coating guarantees a reliable grip for fine needles and sutures, as well as for tissue.

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Jaw type Maulform	Diam. of ring: 1 mm, straight Ring-Ø: 1 mm, gerade	Diam. of ring: 1 mm, curved Ring-Ø: 1 mm, gebogen	Diam. of ring: 1 mm with platform tip Ring-Ø: 1 mm mit Fadenplatte	Platform tip, straight Fadenplatte, gerade	DeBakey tip, 1 mm DeBakey Zahnung, 1 mm
Total length Gesamtlänge					1/1
185 mm 7 1/4"	FM597R	FM587R	FM582R	FM586R	FM590R
210 mm 8 1/4"	FM598R	FM589R	FM584R	FM588R	FM591R

1/1

BD190R–BD194R
180 mm, 7″

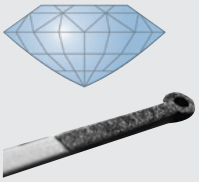
1/1

BD195R–BD196R
200 mm, 8″

1/1

BD197R
250 mm, 10″

DIA DUST®



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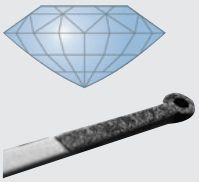
Die Diamantstaubbeschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus garantiert die Struktur der DIA DUST®-Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.

Jaw type Maulform	cross serrated, 1 mm Karoprofil, 1 mm	DeBakey tip, 1 mm DeBakey Zahnung, 1 mm	Diam. of ring: 1 mm, straight Ring-Ø: 1 mm, gerade	Diam. of ring: 1 mm, curved Ring-Ø: 1 mm, gebogen	1 mm, straight 1 mm, gerade
Total length Gesamtlänge					1/1
180 mm 7"	BD190R	BD191R	BD192R	BD193R	BD194R
200 mm 8"		BD195R			BD196R
250 mm 10"	BD197R				

DIA DUST®



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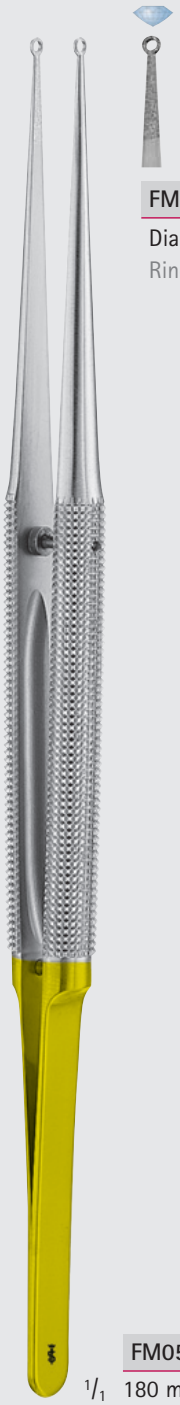
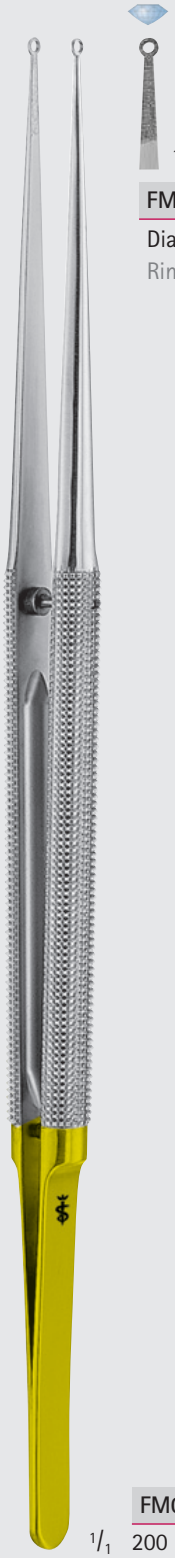
Die Diamantstaubbeschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus garantiert die Struktur der DIA DUST®-Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.



FM053R

Diam. of ring: 2.5 mm
Ring-Ø: 2,5 mm

FM053R
1/1 180 mm, 7"

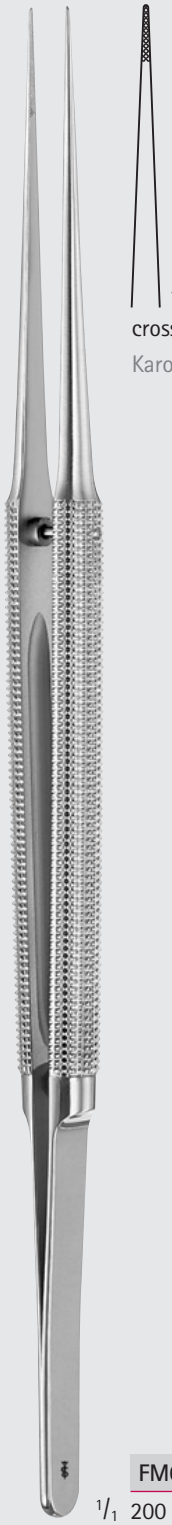


1/1

FM054R

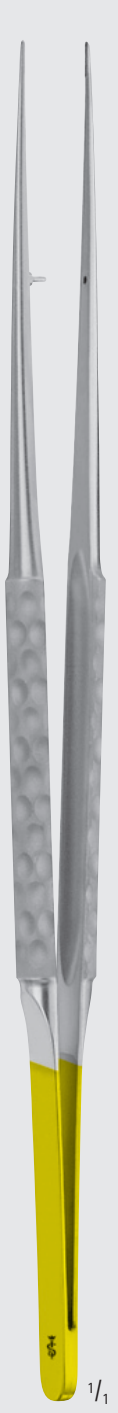
Diam. of ring: 2.5 mm
Ring-Ø: 2,5 mm

FM054R
1/1 200 mm, 8"



1/1
cross serrated
Karoprofil

FM063R
1/1 200 mm, 8"



1/1
with platform tip
mit Plateau

FD253R
1/1 180 mm, 7"

1/1
1 x 2 teeth
1 x 2 Zähne

FD255R
1/1 180 mm, 7"

1/1
Diam. of ring: 2 mm
Ring-Ø: 2 mm

FM047R
1/1 180 mm, 7"

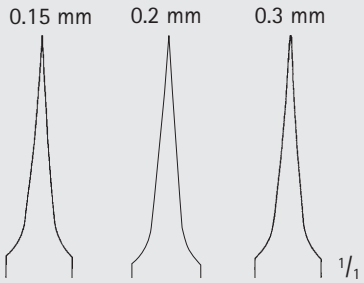
Micro Instruments – Mikro-Instrumente

Micro Forceps
Mikro-Pinzetten

The MÜLLER Micro instrument system

- A top quality set for peripheral microsurgery.
  Numerous details tried and tested in practice mean increased efficiency and safety.
- Natural holding position = increased sensitivity
  The light plastic profile increases the grip surface, thus guaranteeing a natural hand position without cramping and providing enhanced sensitivity.
- Easier rotation = extended working area
  The round grip cross section permits easy and uniform rotation of the instrument. This extends the application and working areas.
- Safe grip
  The easy grip studded profile guarantees a secure hold for all movements.
- Optimum handling
  Development in accordance with ergonomic criteria and the low weight of the new plastic grips provide fatiguefree working and optimum handling.

1/1



FM001R | FM002R | FM003R

MÜLLER

FM001R-FM003R

110 mm, 4 3/8"

1/1

1 x 2 teeth
1 x 2 Zähne

MÜLLER

FM004R

110 mm, 4 3/8"

1/1

FM005R
Diam. of ring: 1.2 mm
Ring-Ø: 1,2 mm

FM006R
triangular, 1.2 mm wide
3-kant, 1,2 mm breit

MÜLLER

FM005R-FM006R

110 mm, 4 3/8"

Das MÜLLER Mikro-Instrumentarium

- Ein hochwertiges Set für die periphere Mikrochirurgie. Zahlreiche praxisbewährte Details führen zu mehr Effektivität und Sicherheit.
- Unverkrampfte Haltung = mehr Feingefühl
  Das leichte Kunststoffprofil vergrößert die Griffoberfläche, gewährleistet dadurch eine unverkrampfte Handhaltung und verleiht mehr Feingefühl.
- Leichteres Drehen = erweiterter Arbeitsbereich
  Der runde Griffquerschnitt ermöglicht leichtes, gleichmäßiges Drehen des Instrumentes. Verwendungs- bzw. Arbeitsbereich wird dadurch erweitert.
- Sicherer Halt
  Das griffige Noppenprofil gewährleistet einen durchweg sicheren Halt bei sämtlichen Bewegungsabläufen.
- Optimales Handling
  Eine Entwicklung nach ergonomischen Gesichtspunkten, verbunden mit dem geringen Gewicht der neuen Kunststoffgriffe schaffen die Voraussetzung zu ermüdungsfreiem Arbeiten und optimalem Handling.

0.3 mm
1/1
FM033R

0.4 mm
1/1
FM036R
with plateau
mit Plateau

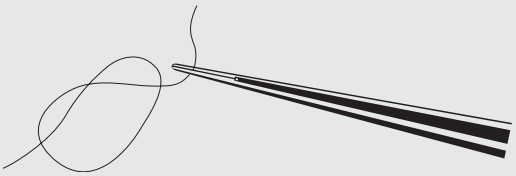
MÜLLER
FM033R-FM036R
1/1 160 mm, 6 1/4"

0.5 mm
1/1
1 x 2 teeth
1 x 2 Zähne

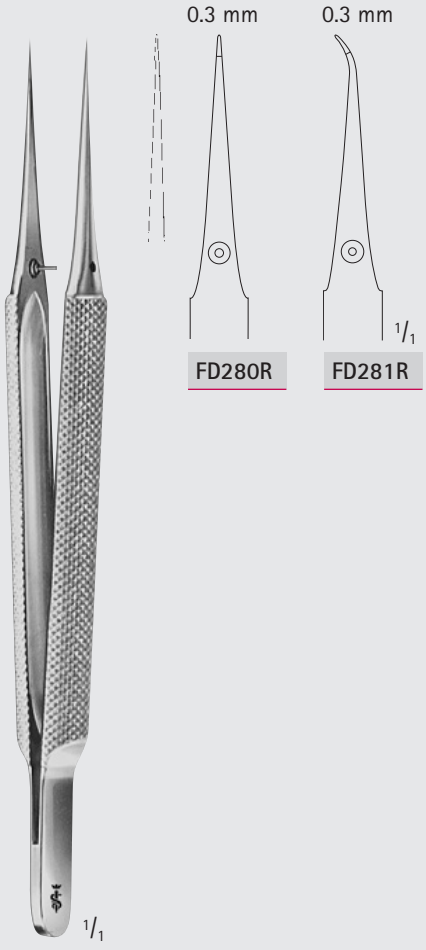
MÜLLER
FM034R
1/1 160 mm, 6 1/4"

1/1
Diam. of ring:
1.2 mm
Ring-Ø: 1,2 mm

MÜLLER
FM035R
1/1 160 mm, 6 1/4"



with plateau at the tips
mit Plateau an den Spitzen

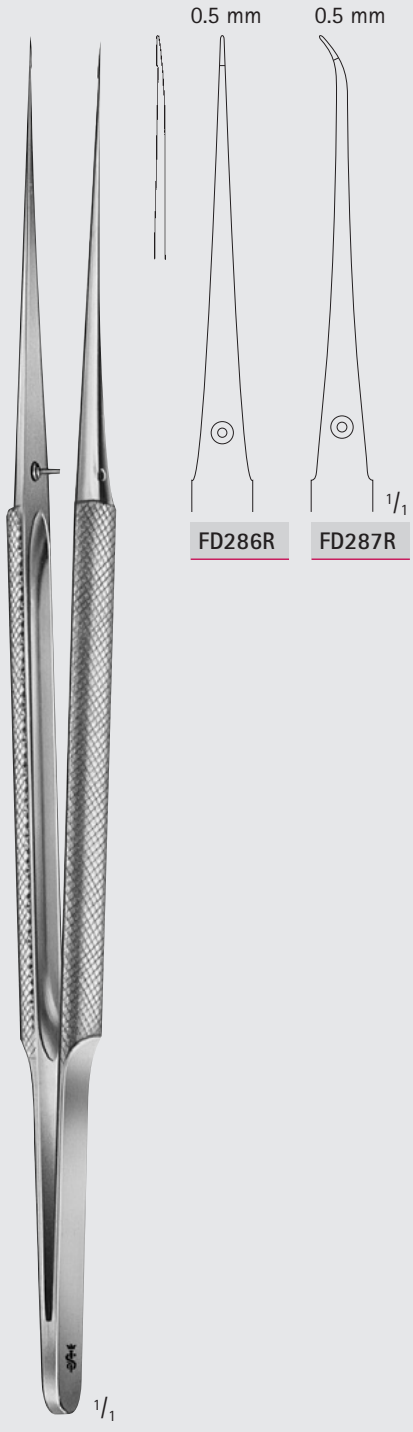


FD280R
FD281R

FD280R–FD281R
120 mm, 4 3/4"

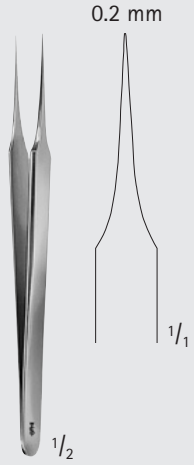
FD284R
FD285R

FD284R–FD285R
150 mm, 6"

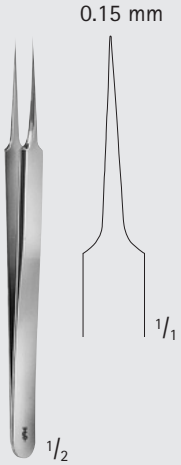


FD286R
FD287R

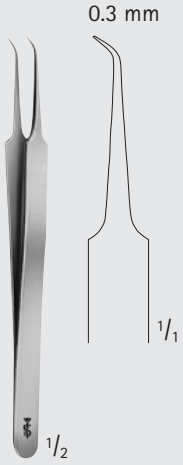
FD286R–FD287R
180 mm, 7"



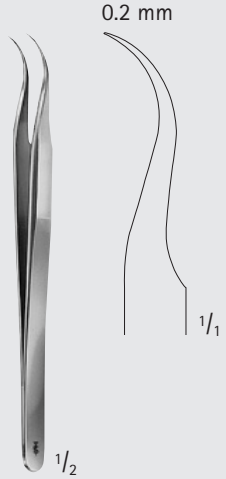
BD330R
110 mm, 4 3/8"



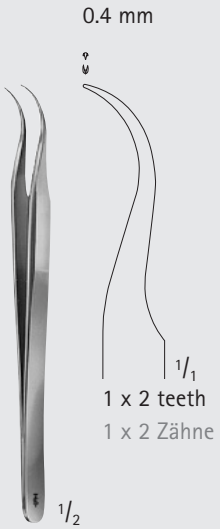
BD331R
110 mm, 4 3/8"



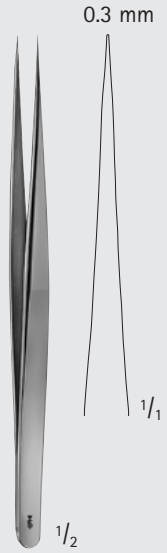
BD329R
110 mm, 4 3/8"



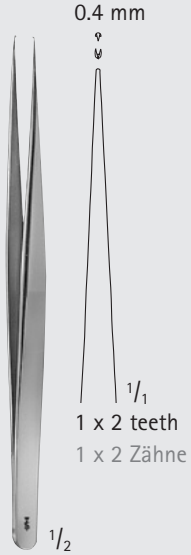
BD333R
115 mm, 4 1/2"



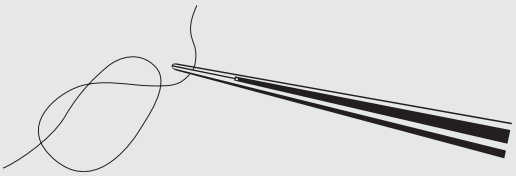
BD343R
115 mm, 4 1/2"



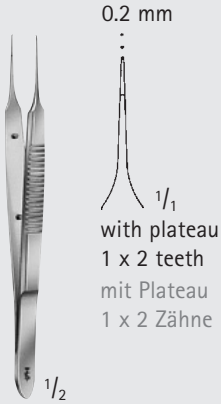
BD335R
135 mm, 5 1/4"



BD345R
135 mm, 5 1/4"



with plateau at the tips
mit Plateau an den Spitzen



with plateau
1 x 2 teeth
mit Plateau
1 x 2 Zähne

BONNER MODELL

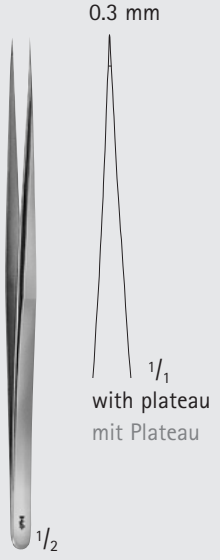
BD505R

95 mm, 3 3/4"

with plateau
mit Plateau

BD338R

120 mm, 4 3/4"

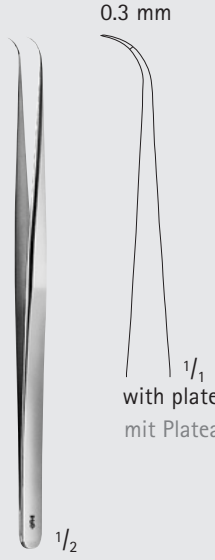


with plateau
mit Plateau

VISE

BD336R

135 mm, 5 1/4"

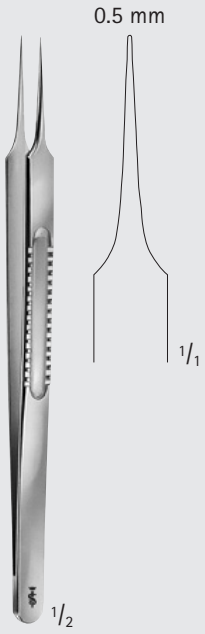


with plateau
mit Plateau

VISE

BD337R

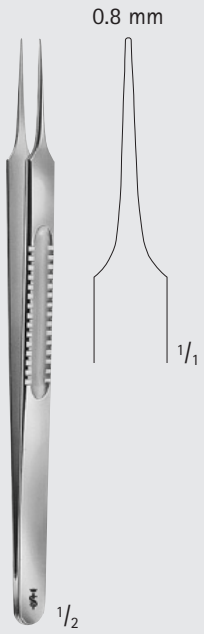
135 mm, 5 1/4"



LAZAR

BD260R

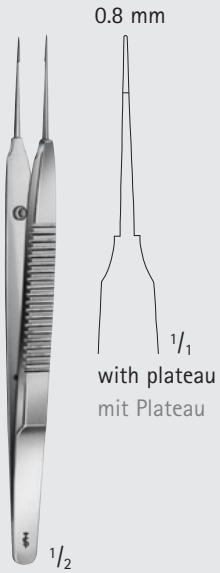
155 mm, 6"



LAZAR

BD261R

155 mm, 6"

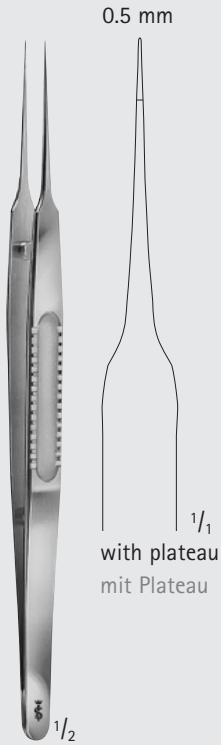


with plateau
mit Plateau

AUSTIN

BD340R

140 mm, 5 1/2"



with plateau
mit Plateau

BD264R

185 mm, 7 1/4"

Braided and coated, non-absorbable suture made of polyester

Unique structure

Central core covered by several small compact braids and an outermost silicone coating, conferring PremiCron® with all required features for heart valve prosthetic rings implantation.

- Smooth surface and knot run down
- Improved knot adjustability and lockdown
- Tight seal at the prosthetic ring

Geflochten und beschichtet, nicht absorbierbare Fäden aus Polyester

Einzigartiger Fadenaufbau

Der Kern ist von einer geflochtenen Struktur umgeben und mit Silikon beschichtet. Durch diese Fadenstruktur erfüllt PremiCron® die hohen Ansprüche zum Einsatz bei der Implantation von Herzklappen.

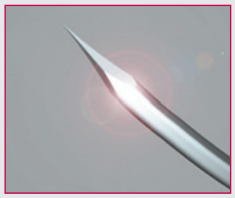
- Glatte Oberfläche und exzellente Knotengleitfähigkeit
- Vorgelegte Knoten lassen sich leicht an ihre endgültige Position schieben
- Perfekter Faden- und Knotensitz am Herzklappenring

The most extended needle tip range:

Das breiteste Nadelprogramm:

HRC ⊗
Short cutting tip
Schneidende Rundkörpernadel mit Kurzschliff

HR ●
Taper point
Rundkörpernadel mit schlanker Nadelspitze



HRT ⊕
Trocar point
Rundkörpernadel mit Trokarspitze

The ultimate needle generation for CV surgery

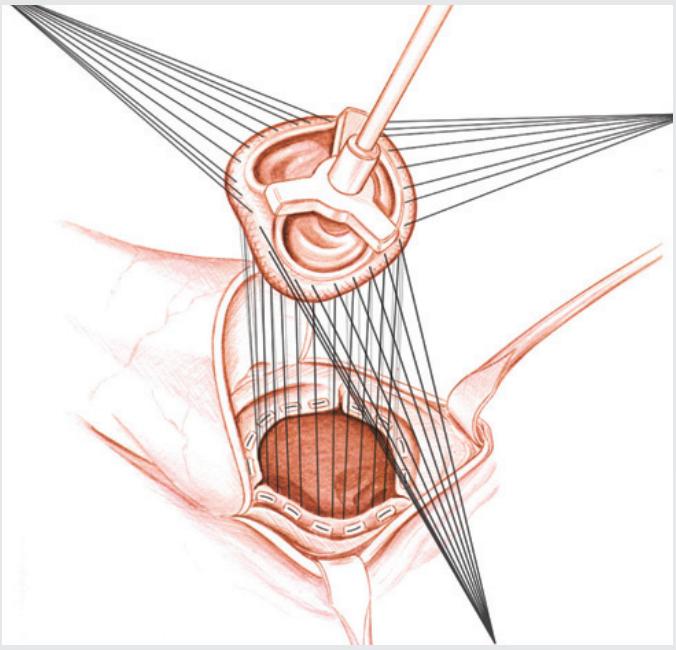
- Specifically developed to meet the high standards required during cardiovascular surgery.
- CV pass needles are manufactured employing top quality stainless steel alloy (300 stainless steel series acc. ASTM F899).

Die neue Nadelgeneration für die Herz- und Gefäßchirurgie

- Speziell für die hohen Ansprüche in der Herz- und Gefäßchirurgie entwickelt.
- CV-Pass-Nadeln sind aus einer rostfreien Stahllegierung höchster Qualität gefertigt (Serie 300 rostfreier Edelstahl entsprechend ASTM F899).

CV Pass NEEDLES

CV Pass Easyblack



PTFE Pledgets: complete range; unique design

As an extension to the cardiac sutures product line, B. Braun offers a complete PTFE Pledgets range including Soft and Firm versions, available either as stand-alone presentation or armed to PremiCron® and Premilene® sutures.

Main features

- Unique adaptation to heart valve anatomical contours (annulus)
- Fraying-free laser-cut design
- Enhanced protection of friable annulus tissue
- Optimal buttress of suture material

PTFE-Pledgets: Komplettes Portfolio, einzigartiges Design

Zusatzlich zum Nahtmaterial im Bereich Herzchirurgie, bietet B. Braun ein vollständiges Portfolio an PTFE-Pledgets. Die Pledgets sind als 'Firm'- oder 'Soft'-Version sowie in unterschiedlichen Abmessungen erhältlich. Sie sind entweder einzeln verpackt oder bereits mit PremiCron® bzw. Premilene® Nahtmaterial armiert.

Eigenschaften:

- Optimale Anpassung an die anatomischen Strukturen der Herzklappe (Annulus)
- Fransenfrei durch Laserschnitt
- Besserer Schutz des fragilen Gewebes und Organparenchymen
- Optimales Widerlager für den Faden

For further details see brochure No. BBSE127-02.
Weitere Einzelheiten siehe Broschüre Nr. BBSE-127-02.

Premilene® with CV Pass needles: the best option for calcified coronary arteries and blood vessels

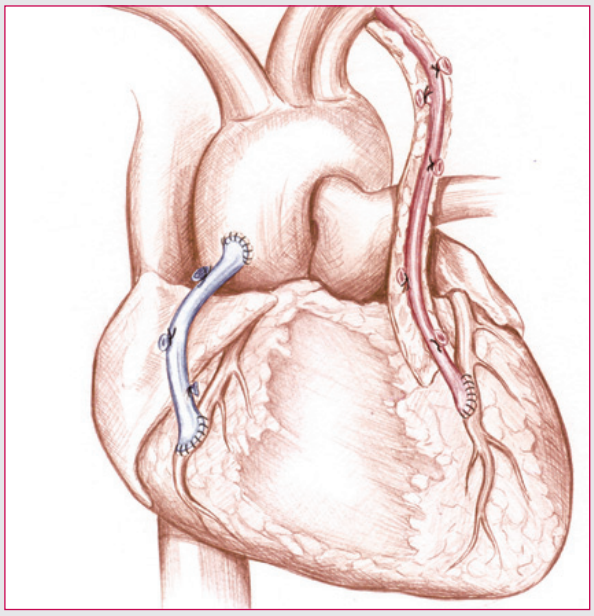
Premilene® mit CV Pass Nadeln: Die beste Option für kalzifizierte Koronarien und andere Gefäße

Premilene® is a synthetic non-absorbable monofilament composed of an isotactic polypropylene, presenting an absolutely regular and longitudinal molecular structure. This composition together with its special extrusion process provide Premilene® with:

- Permanent initial tensile strength
- Outstanding surface smoothless to ensure minimal tissue drag
- Adequate elasticity and elongation values which guarantee a stable and secure knot
- Optimal pliability for easy knot tying and comfortable continuous suturing. Available in long pack presentations; specific memory free packaging

Premilene® ist ein nicht resorbierbares, monofiles synthetisches Nahtmaterial aus isotaktischem Polypropylen, das eine absolut gleichmäßige, längs angeordnete Molekularstruktur aufweist. Im Zusammenspiel mit dem speziellen Extrusionsverfahren gibt dies Premilene® folgende Eigenschaften:

- hohe Reissfestigkeit
- hervorragende Handhabung, sanftes Gleiten
- optimale Elastizität und Dehnung: dies garantiert stabilen und sicheren Knotensitz
- ideale Flexibilität zum leichteren Knoten und einfachem Gewebedurchzug
- verfügbar als Long Pack zur Vermeidung von Memory Effekten



The ultimate needle generation for CV surgery

- Specifically developed to meet the high standards required during cardiovascular surgery.
- CV pass needles are manufactured employing top quality stainless steel alloy (300 stainless steel series acc. ASTM F899). The needle range includes:

CV Pass NEEDLES | CV Pass Easyblack

Die neue Nadelgeneration für die Herz- und Gefäßchirurgie

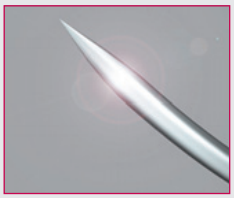
- Speziell für die hohen Ansprüche in der Herz- und Gefäßchirurgie entwickelt.
- CV Pass Nadeln sind aus einer rostfreien Stahllegierung höchster Qualität gefertigt (Serie 300 rostfreier Edelstahl entsprechend ASTM F899). Das Nadelspektrum umfasst:

CV Pass NEEDLES | CV Pass Easyblack

CV Pass needles – Ultimate body design

An innovative semi-squared body with round edges provides CV Pass needles with:

- Superior resistance to bending and breakage
- Optimal penetration even after multiple stitches
- Atraumatic passage through tissue
- Excellent stability in the needle holder
- Improved needle visibility with CV Pass Easyblack
- The most extended needle tip range



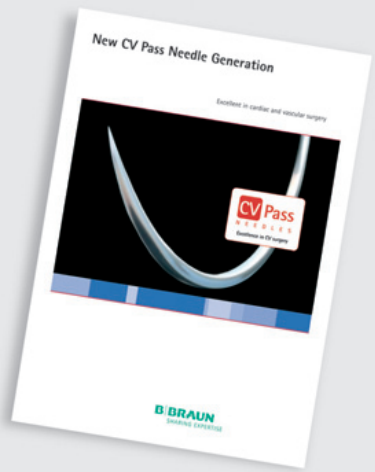
HRC ⋎
Short cutting tip
Schneidende Rundkörpernadel mit Kurzschliff

HR ●
Taper point
Rundkörpernadel mit schlanker Nadelspitze

CV Pass Nadeln: Spezielle Nadelgeometrie

Ein quadratischer Querschnitt der Nadelkörper mit abgerundeten Kanten gibt den CV Pass-Nadeln:

- höchste Widerstandsfähigkeit gegen Verformung und Brechen
- optimale Penetrationsfähigkeit selbst nach mehreren Stichen
- atraumatische Gewebepassage
- stabiler Halt im Nadelhalter
- bessere Sichtbarkeit durch CV Pass Easyblack Nadeln
- das breiteste Nadelprogramm



For further details see brochure No. BBSE126-02.
Weitere Einzelheiten siehe Broschüre Nr. BBSE-126-02.

Micro Instruments – Mikro-Instrumente

Surgical Loop Retraction Tape

Surgical Loop Retraktionsband

Surgical retraction tape made of radiopaque silicone, cotton or polyester

- for intraoperative isolation, marking, giving mechanical support and looping of organs, blood vessels, tendons and nerves
- gives better access to the operation field

Surgical Loop provides:

- Flexibility and resistance
- Smooth surface with no tissue adherence
- Attractive colour presentation to ease differentiation
- Different product dimensions to suit all purposes
- Radiopaque to ensure pacient safety

Chirurgisches Retraktionsband aus röntgendichtem Silikon, Baumwolle oder Polyester

- für intraoperative Kennzeichnung und Retraktion von Organen, Arterien, Venen, Sehnen und Nerven
- erleichtert den Zugang zum Operationsfeld

Das Surgical Loop Retraktionsband bietet:

- Flexibilität und Widerstandsfähigkeit
- Glatte Oberfläche ohne Gewebehaftungstendenz
- Ansprechende farbliche Aufmachung zur besseren Unterscheidung
- Unterschiedliche Abmessungen zur Abdeckung aller Einsatzbereiche
- Röntgendichte zur Erhöhung der Patientensicherheit

For further details see brochure No. BBSE-026-02.
Weitere Einzelheiten siehe Broschüre Nr. BBSE-026-02.

Micro Instruments – Mikro-Instrumente

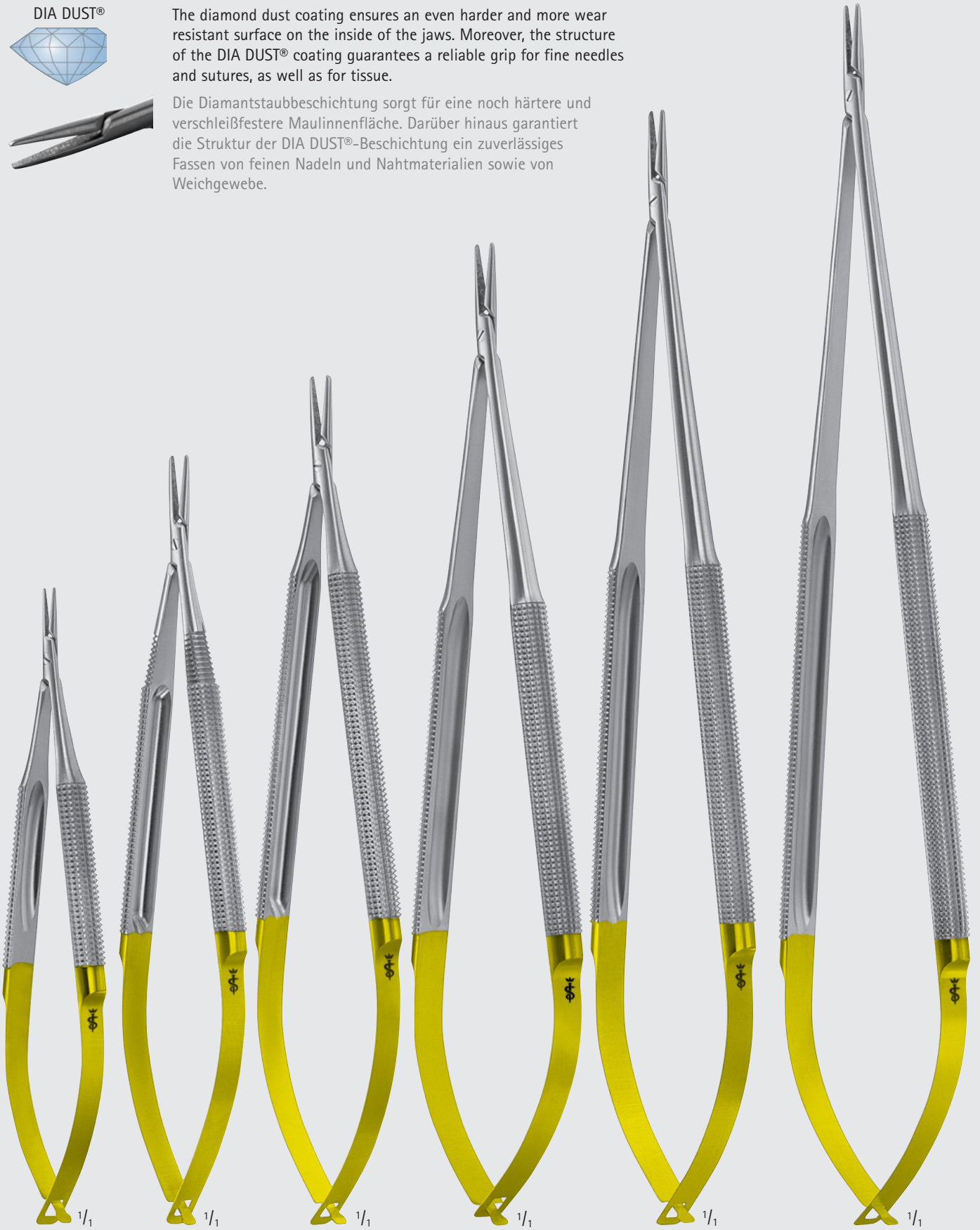
DIA DUST® Micro Needle Holders

DIA DUST® Mikro-Nadelhalter

DIA DUST®

The diamond dust coating ensures an even harder and more wear resistant surface on the inside of the jaws. Moreover, the structure of the DIA DUST® coating guarantees a reliable grip for fine needles and sutures, as well as for tissue.

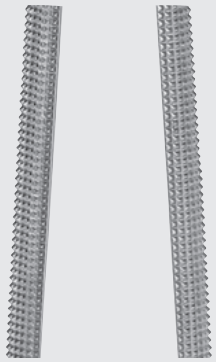
Die Diamantstaubbeschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus garantiert die Struktur der DIA DUST®-Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.



FM520R–FM524R	FM522R–FM528R	FM521R–FM529R	FM218R–FM564R	FM221R–FM566R	FM223R–FM568R
120 mm, 4 3/4"	145 mm, 5 3/4"	160 mm, 6 1/4"	185 mm, 7 1/4"	210 mm, 8 1/4"	230 mm, 9"

with catch
mit Sperre

Total length Gesamtlänge	1/1 Suture size Nahtmaterialgröße 7/0 and smaller 7/0 und kleiner	1/1 5/0 and smaller 5/0 und kleiner	1/1 4/0 and smaller 4/0 und kleiner	1/1 4/0 and smaller 4/0 und kleiner
120 mm 4 3/4"	FM520R			
145 mm 5 3/4"		FM522R		
160 mm 6 1/4"	FM521R	FM523R		
185 mm 7 1/4"	FM563R	FM564R	FM218R	
210 mm 8 1/4"	FM565R	FM566R	FM228R	FM221R
230 mm 9"	FM567R	FM568R	FM230R	FM223R



without catch
ohne Sperre

Total length Gesamtlänge	1/1 Suture size Nahtmaterialgröße 7/0 and smaller 7/0 und kleiner	1/1 5/0 and smaller 5/0 und kleiner
120 mm 4 3/4"	FM524R	
145 mm 5 3/4"		FM528R
160 mm 6 1/4"	FM525R	FM529R
185 mm 7 1/4"	FM526R	FM530R
210 mm 8 1/4"	FM527R	FM531R
230 mm 9"	FM532R	FM533R

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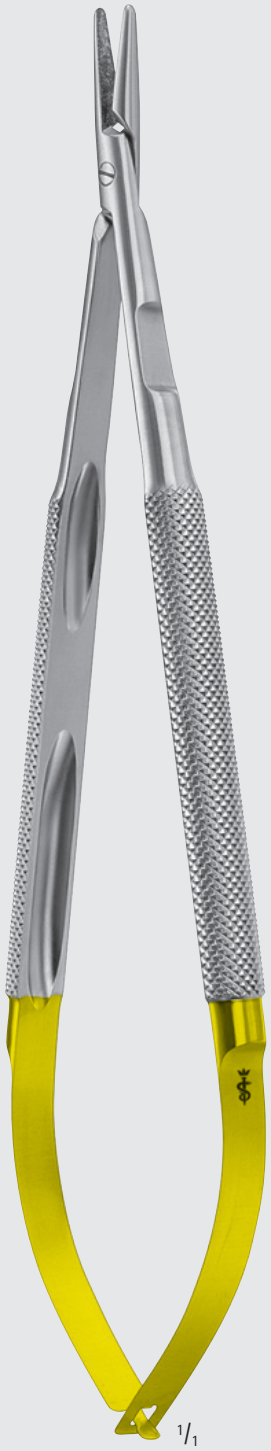
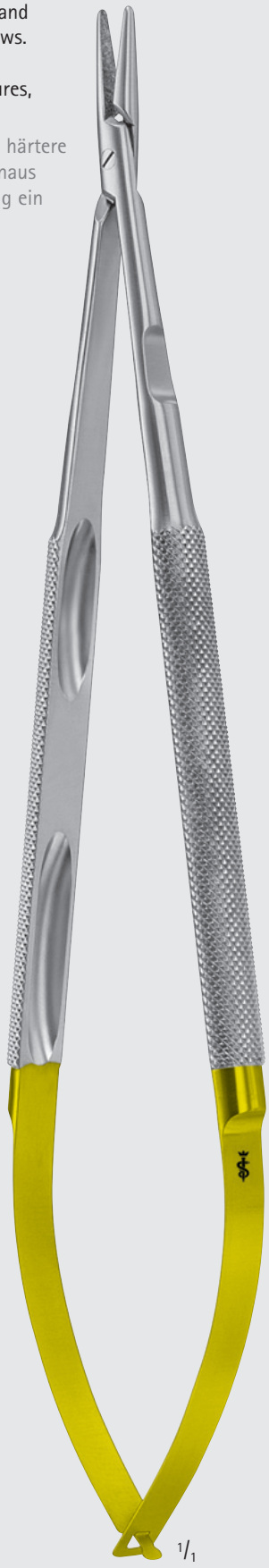
DIA DUST®



1/1

FM535R-FM538R

190 mm, 7 1/2"



1/1

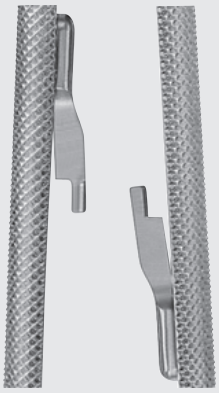
FM536R-FM539R

230 mm, 9 "

1/1

FM534R-FM537R

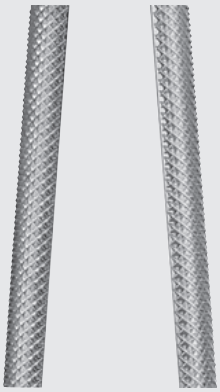
250 mm, 10 "



with catch, heavy style

mit Sperre, kräftige Ausführung

Total length Gesamtlänge	1/1 Suture size Nahtmaterialgröße 2/0 and smaller 2/0 und kleiner
190 mm 7 1/2"	FM538R
230 mm 9"	FM539R
250 mm 10"	FM534R



without catch, heavy style

ohne Sperre, kräftige Ausführung

Total length Gesamtlänge	1/1 Suture size Nahtmaterialgröße 2/0 and smaller 2/0 und kleiner
190 mm 7 1/2"	FM535R
230 mm 9"	FM536R
250 mm 10"	FM537R

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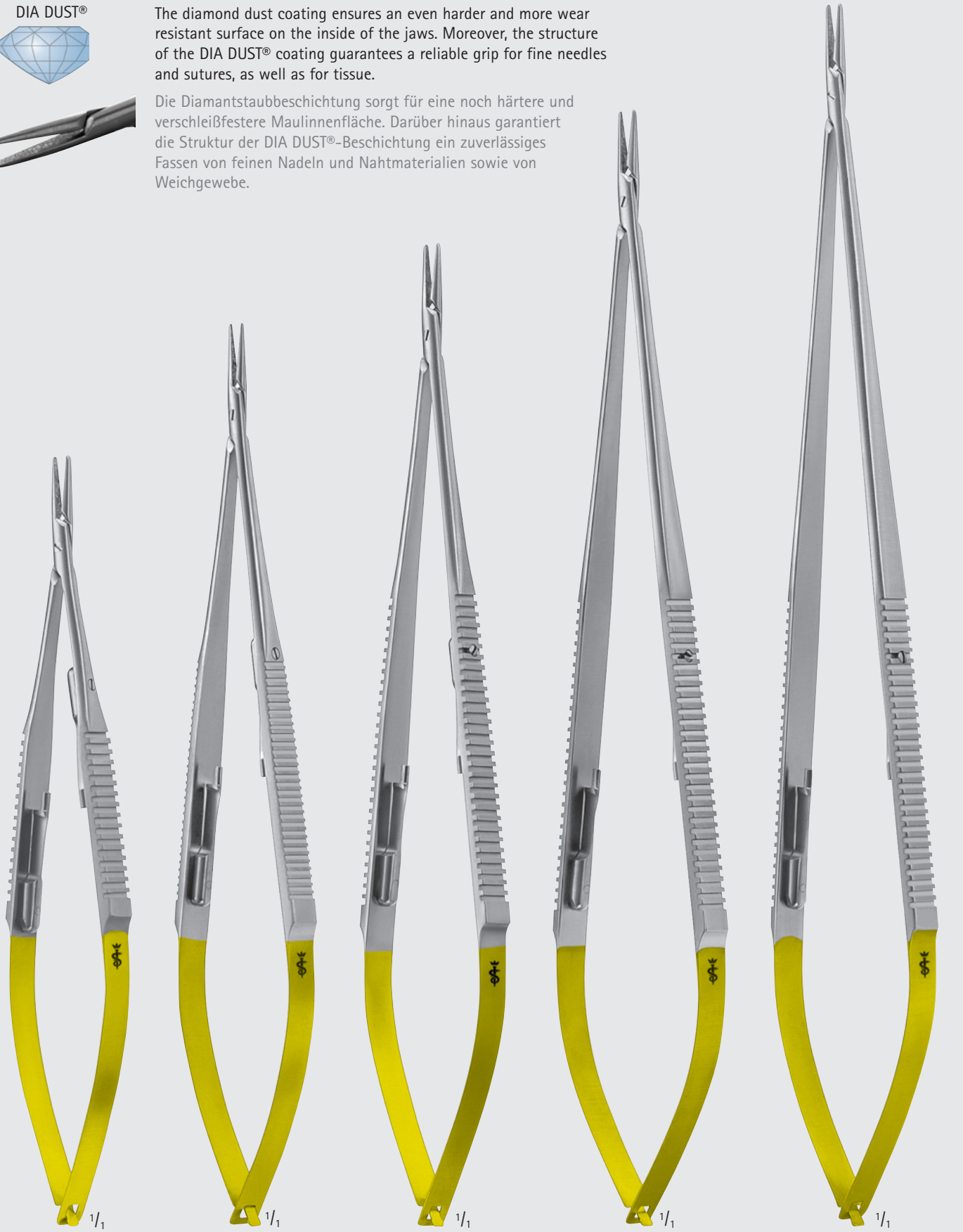
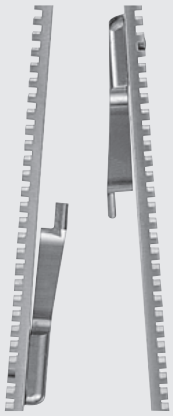
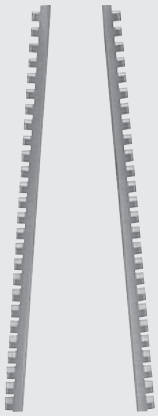


FM541R-FM546R	FM540R-FM545R	FM542R-FM547R	FM543R-FM548R	FM544R-FM549R
145 mm, 5 3/4"	170 mm, 6 3/4"	185 mm, 7 1/4"	210 mm, 8 1/4"	230 mm, 9"



		1/1	1/1
		Suture size Nahtmaterialgröße	
with catch mit Sperre	Total length Gesamtlänge	7/0 and smaller 7/0 und kleiner	5/0 and smaller 5/0 und kleiner
	145 mm 5 3/4"		FM541R
	170 mm 6 3/4"	FM540R	
	185 mm 7 1/4"		FM542R
	210 mm 8 1/4"		FM543R
	230 mm 9"		FM544R



		1/1	1/1
		Suture size Nahtmaterialgröße	
without catch ohne Sperre	Total length Gesamtlänge	7/0 and smaller 7/0 und kleiner	5/0 and smaller 5/0 und kleiner
	145 mm 5 3/4"		FM546R
	170 mm 6 3/4"	FM545R	
	185 mm 7 1/4"		FM547R
	210 mm 8 1/4"		FM548R
	230 mm 9"		FM549R

Micro Instruments – Mikro-Instrumente

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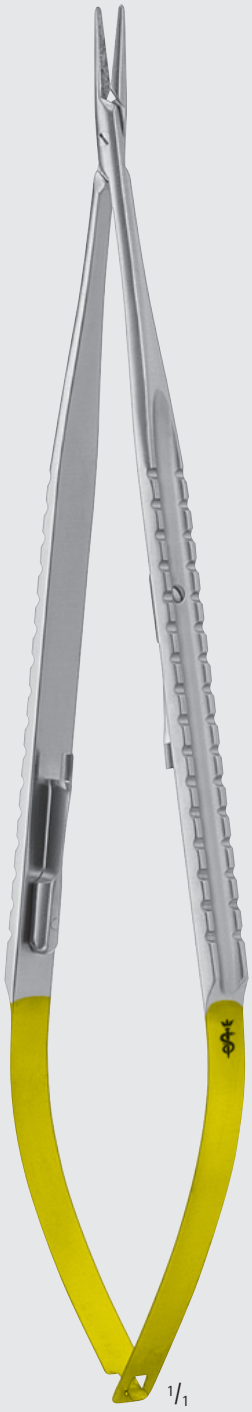
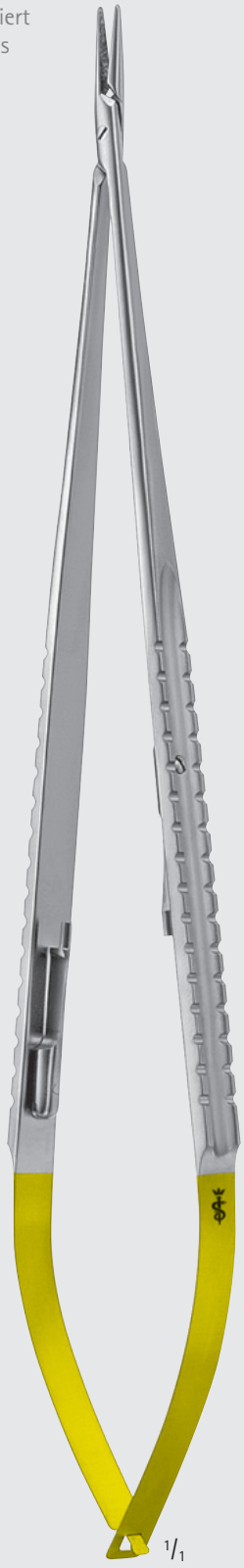


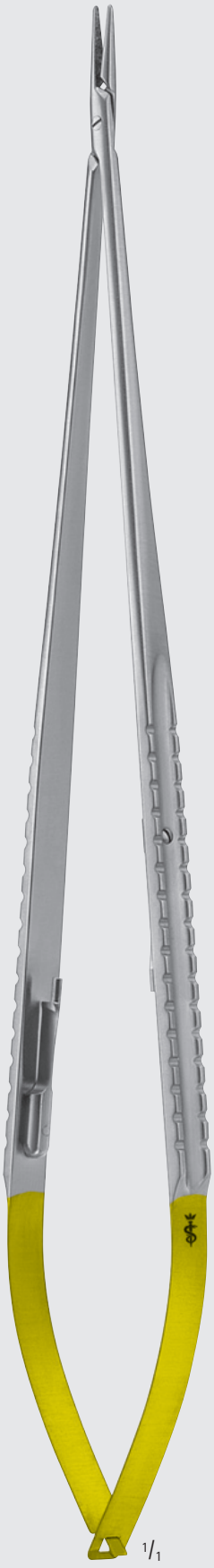
FM550R–FM553R

185 mm, 7 1/4"



FM551R–FM554R

210 mm, 8 1/4"



FM552R–FM555R

230 mm, 9 "

		1/1
		Suture size Nahtmaterialgröße
with catch mit Sperre	Total length Gesamtlänge	5/0 and smaller 5/0 und kleiner
	185 mm 7 1/4"	FM550R
	210 mm 8 1/4"	FM551R
	230 mm 9"	FM552R

		1/1
		Suture size Nahtmaterialgröße
without catch ohne Sperre	Total length Gesamtlänge	5/0 and smaller 5/0 und kleiner
	185 mm 7 1/4"	FM553R
	210 mm 8 1/4"	FM554R
	230 mm 9"	FM555R

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GLASSER

FM560R

Suture size: 5/0 and smaller

Nahtmaterialgröße: 5/0 und kleiner

125 mm, 5"

GLASSER

FM561R

Suture size: 5/0 and smaller

Nahtmaterialgröße: 5/0 und kleiner

180 mm, 7"

FD258R FD259R

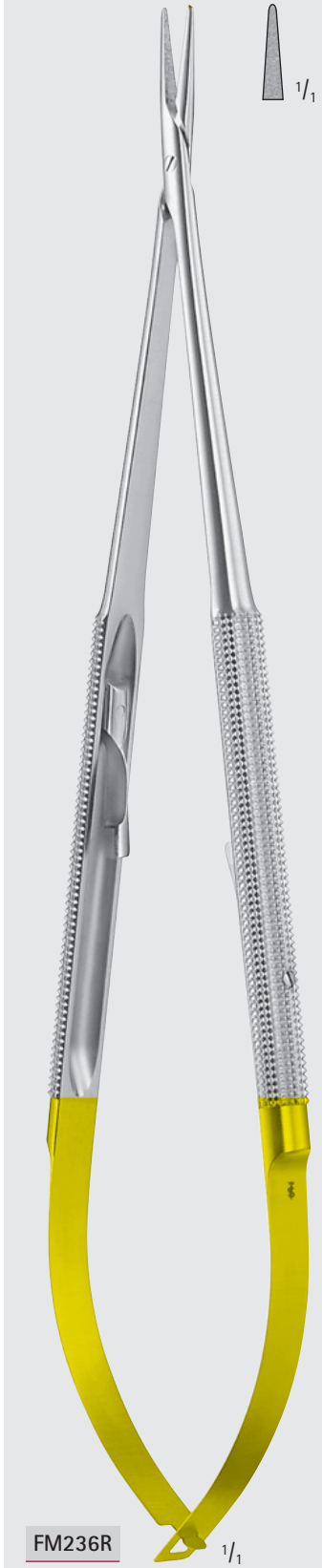
1/1

FD258R–FD259R

with catch
Suture size: 7/0 and smaller

mit Sperre
Nahtmaterialgröße: 7/0 und kleiner

180 mm, 7"



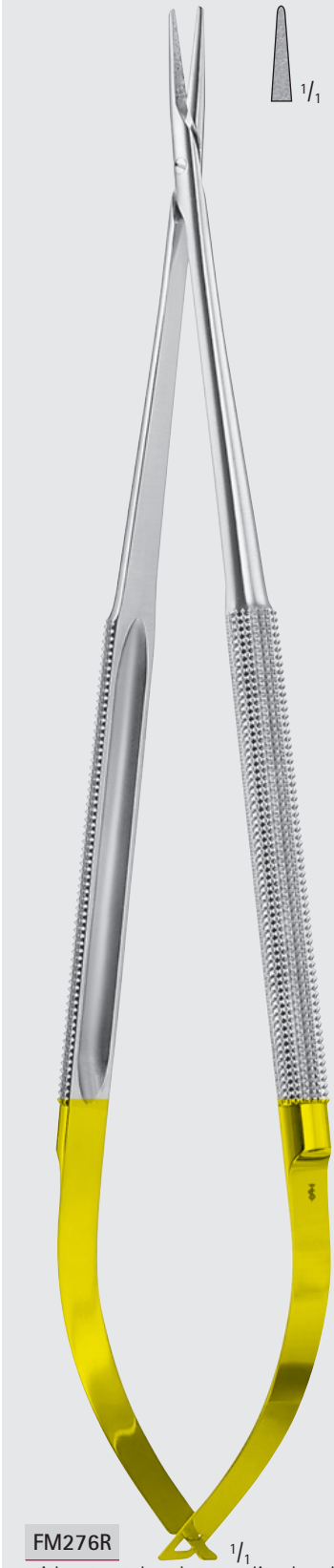
1/1

FM236R

with catch and streamline box lock
Suture size: 5/0 and smaller

mit Sperre und verdrehtem Schluss
Nahtmaterialgröße: 5/0 und kleiner

210 mm, 8 1/4"



1/1

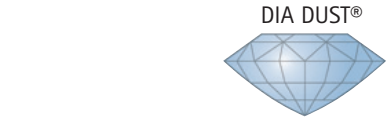
FM276R

without catchand streamline box lock
Suture size: 5/0 and smaller

ohne Sperre und verdrehtem Schluss
Nahtmaterialgröße: 5/0 und kleiner

210 mm, 8 1/4"

DIA DUST®



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BM301R	BM325R	BM302R	BM327R	BM328R
140 mm	160 mm	180 mm	220 mm	250 mm
5 1/2"	6 1/4"	7"	8 3/4"	10"

1/1

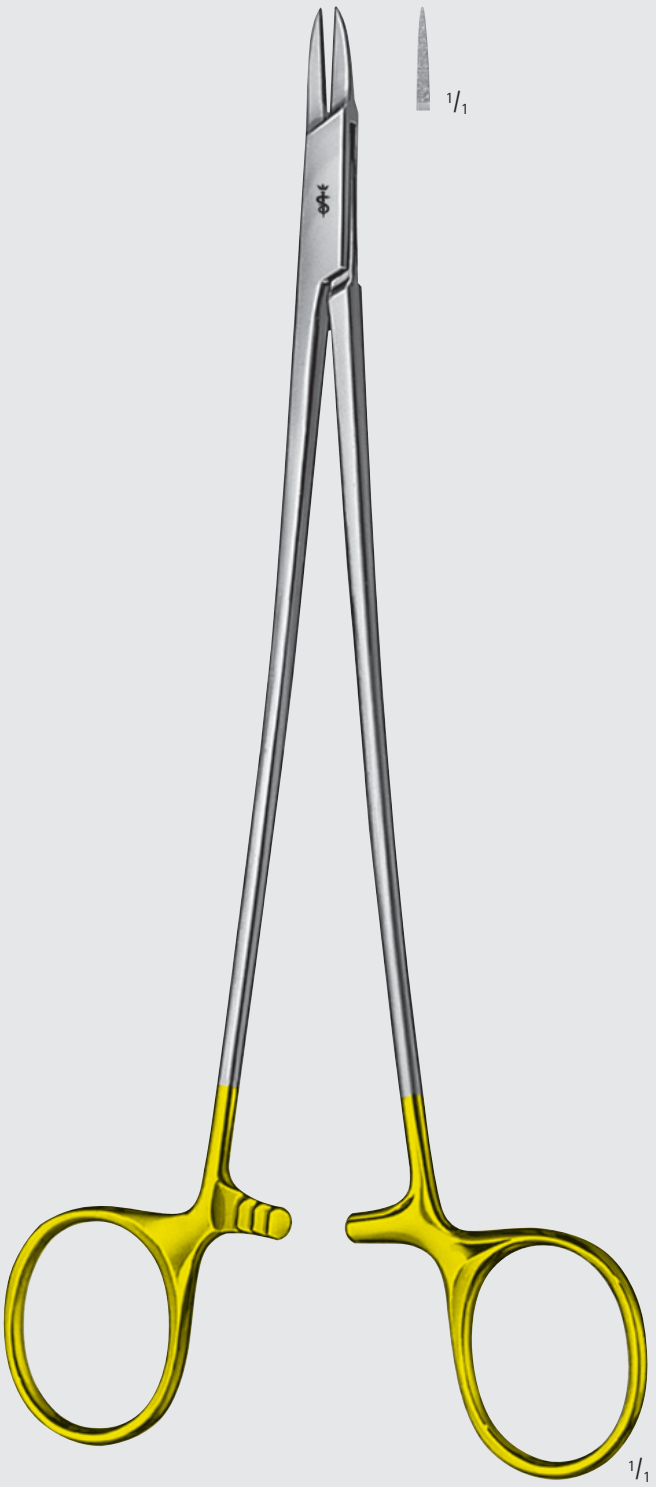
RYDER

BM301R–BM328R

Suture size: 5/0 and smaller

Nahtmaterialgröße: 5/0 und kleiner

- The broad back of the jaw exerts greater force on the needle, facilitating a secure hold.
- Der breite Maul-Rücken bringt mehr Kraft auf die Nadel und ermöglicht somit ein sicheres Fassen der Nadel.

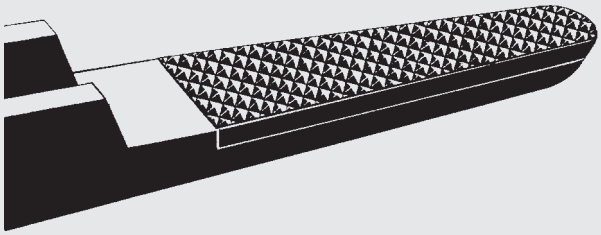


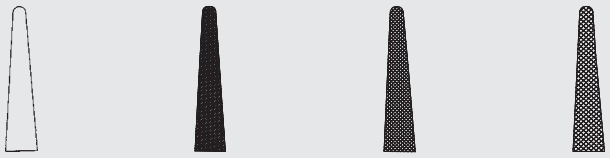
BM300R

195 mm, 7 3/4"

DUROGRIP® Micro Needle Holders with Tungsten Carbide Inserts

DUROGRIP® Mikro-Nadelhalter mit Hartmetalleinlagen





smooth
glatt

0.2

0.4

0.5

Aesculap needle holders have jaws with carbide inserts and according to the use required the resp. structure can be chosen. A smooth jaw surface as well as 3 different serrations guarantee a safe „grip" of the resp. needle.

Aesculap Nadelhalter sind durch die Struktur der Hartmetall-Maulteile auf das jeweilige, indikationsbezogene Nahtmaterial abgestimmt. Eine glatte Maulfläche sowie 3 verschiedene Haftprofile garantieren den sicheren „Grip" der jeweiligen Nadel.

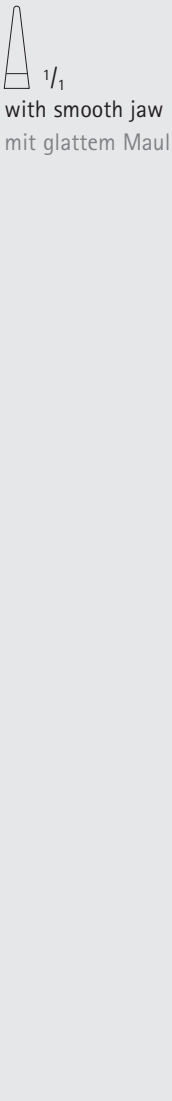
We recommend carbide inserts	
with smooth jaw surface for suture material	9/0 – 11/0
with 0.2 mm pitch of serration for suture material	6/0 – 10/0
0.4 mm	4/0 – 6/0
0.5 mm	up to 3/0
Wir empfehlen Hartmetall-Maulteile	
mit glatter Fläche für Nahtmaterial	9/0 – 11/0
mit Teilung 0,2 mm für Nahtmaterial	6/0 – 10/0
0,4 mm	4/0 – 6/0
0,5 mm	bis 3/0

DUROGRIP® Needle holders with carbide inserts
Identification:

- **gold-plated rings, handle ends and ratchets**

DUROGRIP® Nadelhalter mit Hartmetall-Plättchen
Kennzeichnung:

- Vergoldete Ringe, Branchenenden und Sperren



1/1
with smooth jaw
mit glattem Maul

1/1

CASTROVIEJO

BM001R

with catch
mit Sperre
145 mm, 5 3/4"

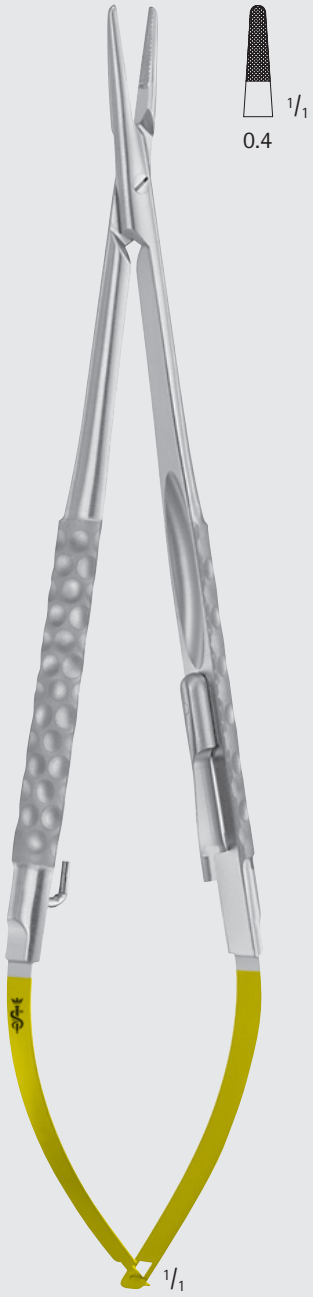
1/1
0.2

1/1

CASTROVIEJO

BM002R

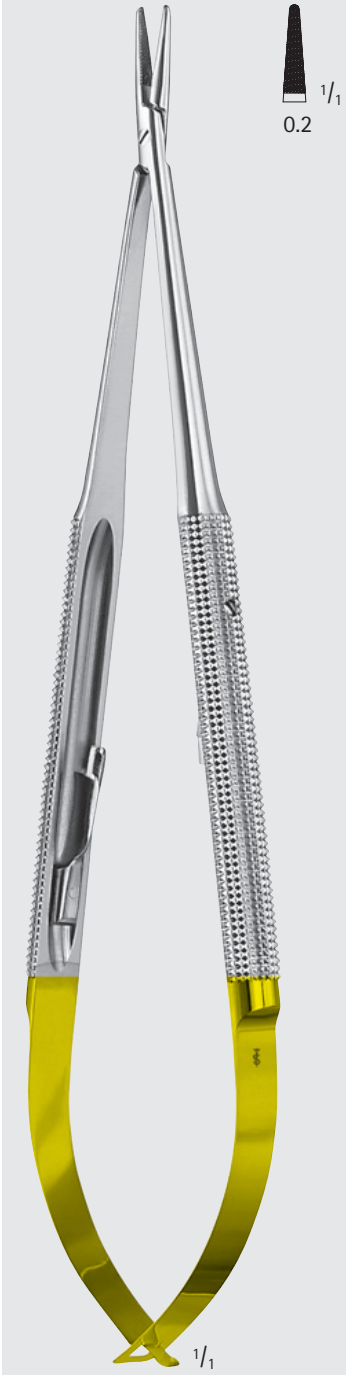
with catch
mit Sperre
145 mm, 5 3/4"



BM003R
with catch
mit Sperre
170 mm, 6 3/4"

CASTROVIEJO
BM004R
with catch
mit Sperre
180 mm, 7"

CASTROVIEJO
BM005R
with catch
mit Sperre
215 mm, 8 1/2"



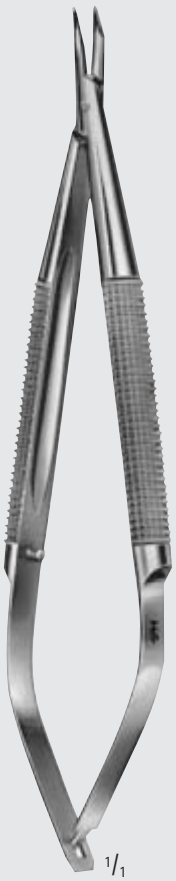
FM388R
with catch
mit Sperre
180 mm, 7"

FM390R
with catch
mit Sperre
200 mm, 8"

Micro Instruments – Mikro-Instrumente

Micro Needle Holders with Smooth Jaws

Mikro-Nadelhalter mit glattem Maul



BM560R
115 mm
4 1/2"

1/1
BM562R
120 mm
4 3/4"

1/1

BARRAQUER

BM560R–BM562R

without catch

ohne Sperre

FD230R

1/1
FD231R

1/1

BARRAQUER

FD230R–FD231R

without catch

ohne Sperre

120 mm, 4 3/4"

FD232R

1/1
FD233R

1/1

BARRAQUER

FD232R–FD233R

with catch

mit Sperre

120 mm, 4 3/4"

FD240R FD241R 1/1

REILL

FD240R–FD241R

without catch

ohne Sperre

150 mm, 6"

FD242R FD243R 1/1

FD242R–FD243R

with catch

mit Sperre

150 mm, 6"

Micro Instruments – Mikro-Instrumente

Micro Needle Holders with Smooth Jaws

Mikro-Nadelhalter mit glattem Maul

FD244R

FD245R 1/1

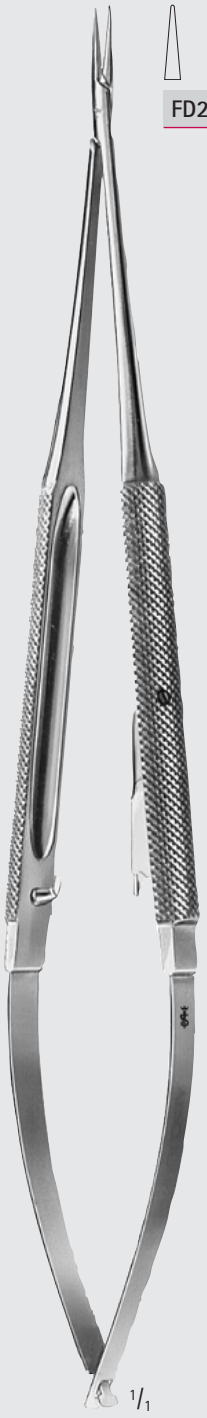
1/1

FD244R-FD245R

without catch

ohne Sperre

185 mm, 7 1/4"



FD246R

FD247R 1/1

1/1

FD246R-FD247R

with catch

mit Sperre

185 mm, 7 1/4"

FM398R

without catch

ohne Sperre

200 mm

8"

FM392R 1/1

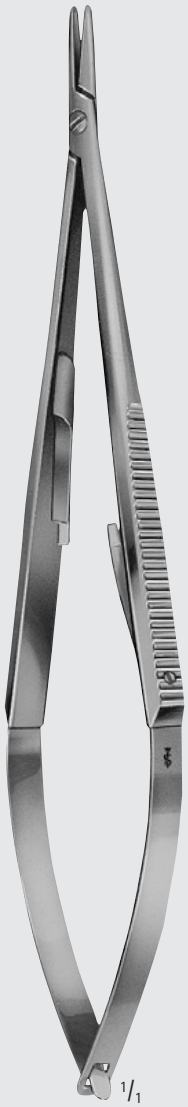
with catch

mit Sperre

230 mm

9"

FM392R-FM398R



CASTROVIEJO

BM563R-BM564R

with catch

mit Sperre

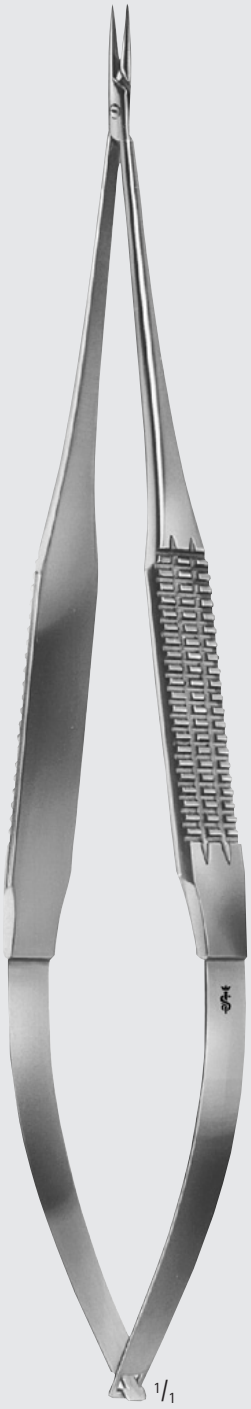
145 mm, 5 3/4"

FD076R-FD079R

without catch

ohne Sperre

160 mm, 6 1/4"



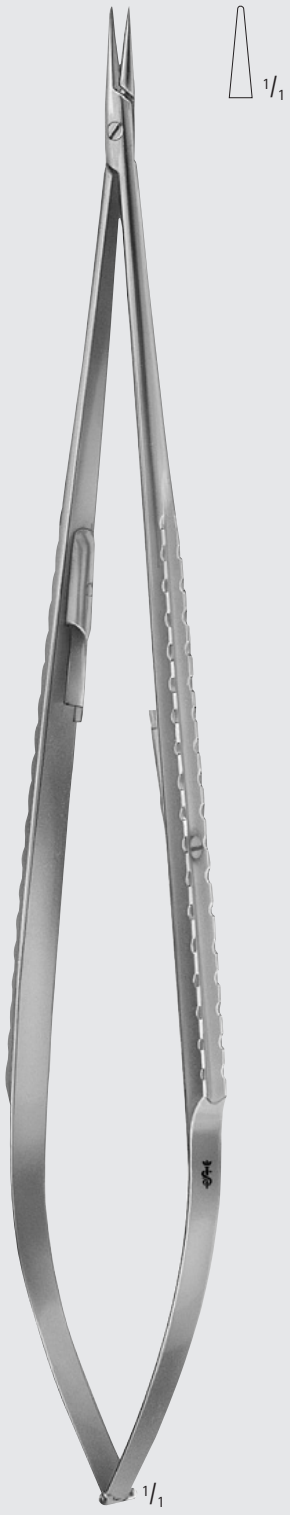
FD080R-FD081R
without catch
ohne Sperre
185 mm, 7 1/4"

without catch
ohne Sperre

with catch
mit Sperre

JACOBSON

FD045R-FD046R
185 mm, 7 1/4"



FD048R
with catch
mit Sperre
200 mm, 8"

MILLIMETERS

Micro Instruments – Mikro-Instrumente

Micro Needle Holders with Smooth Jaws

Mikro-Nadelhalter mit glattem Maul

The MÜLLER Micro instrument system

- A top quality set for peripheral microsurgery.
  Numerous details tried and tested in practice mean increased efficiency and safety.
- Natural holding position = increased sensitivity
  The light plastic profile increases the grip surface, thus guaranteeing a natural hand position without cramping and providing enhanced sensitivity.
- Easier rotation = extended working area
  The round grip cross section permits easy and uniform rotation of the instrument. This extends the application and working areas.
- Safe grip
  The easy grip studded profile guarantees a secure hold for all movements.
- Optimum handling
  Development in accordance with ergonomic criteria and the low weight of the new plastic grips provide fatiguefree working and optimum handling.

Das MÜLLER Mikro-Instrumentarium

- Ein hochwertiges Set für die periphere Mikrochirurgie.
  Zahlreiche praxisbewährte Details führen zu mehr Effektivität und Sicherheit.
- Unverkrampfte Haltung = mehr Feingefühl
  Das leichte Kunststoffprofil vergrößert die Griffoberfläche, gewährleistet dadurch eine unverkrampfte Handhaltung und verleiht mehr Feingefühl.
- Leichteres Drehen = erweiterter Arbeitsbereich
  Der runde Griffquerschnitt ermöglicht leichtes, gleichmäßiges Drehen des Instrumentes. Verwendungs- bzw. Arbeitsbereich wird dadurch erweitert.
- Sicherer Halt
  Das griffige Noppenprofil gewährleistet einen durchweg sicheren Halt bei sämtlichen Bewegungsabläufen.
- Optimales Handling
  Eine Entwicklung nach ergonomischen Gesichtspunkten, verbunden mit dem geringen Gewicht der neuen Kunststoffgriffe schaffen die Voraussetzung zu ermüdungsfreiem Arbeiten und optimalem Handling.

MÜLLER

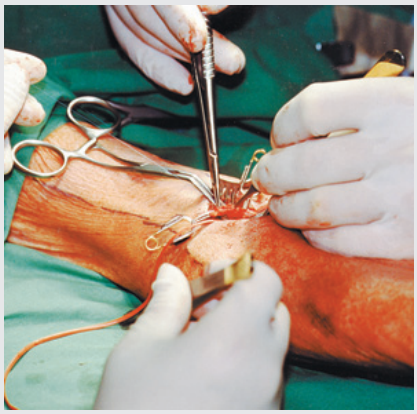
FM021R

145 mm, 5 3/4"

MÜLLER

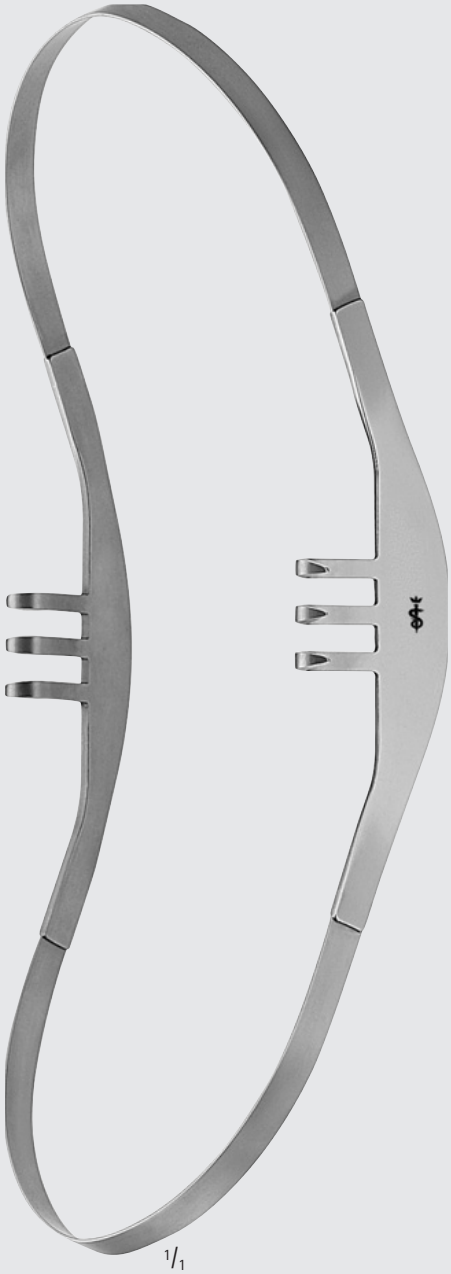
FM061R

180 mm, 7"



The shunt instruments were developed especially for operations on vessels that are between 4 and 6 mm in diameter.
This width is frequently found in dialysis shunt operations and re-operations. These instruments combine the features of conventional instruments and micro instruments. The working tips are larger than usual for instruments of this type, and the micro instrument style handles make the instruments better to use.

Die Shunt Instrumente wurden speziell für Operationen an Gefäßen mit einem Durchmesser zwischen 4 und 6 mm entwickelt.
Besonders häufig tritt dieser Gefäßdurchmesser bei der Anlage oder Revision von Dialyseshunts auf. Bei den vorliegenden Instrumenten handelt es sich um eine Synthese von konventionellen Instrumenten und Mikroinstrumenten. Die Arbeitsenden wurden entsprechend dem Gefäßdurchmesser etwas größer gewählt, das Griffdesign entspricht einem Mikroinstrument um eine bessere Handhabung zu ermöglichen.

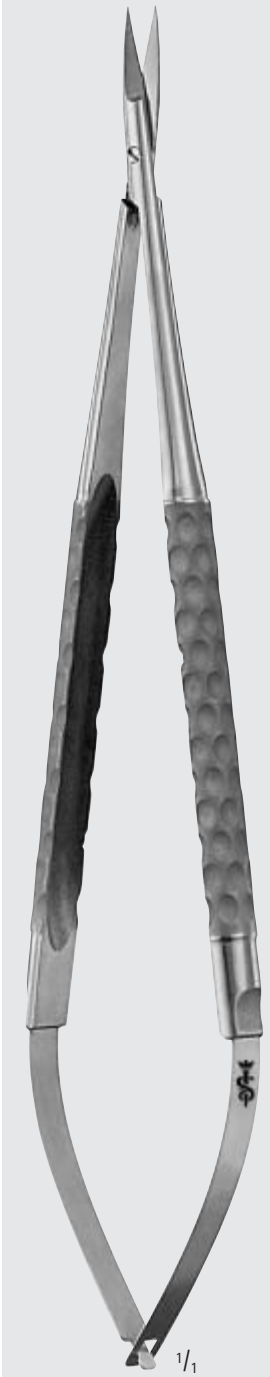


1/1

BV059R
Self-retaining retractor
Wundspreizer
160 mm, 6 1/4"

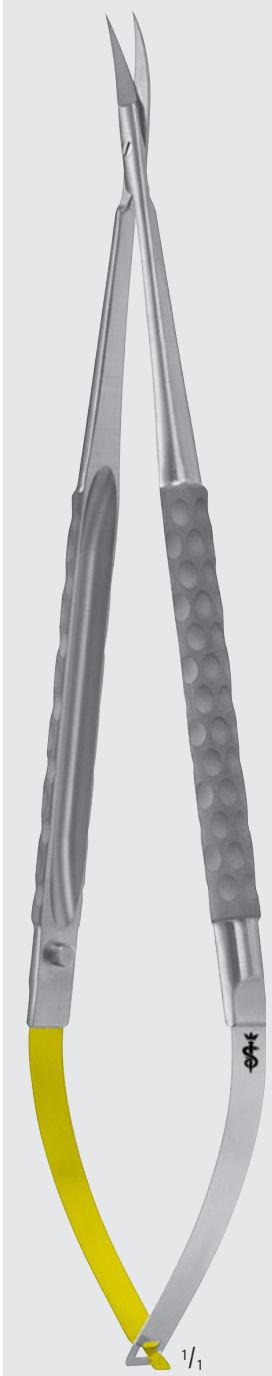
The shunt set was developed in cooperation with
Prof. Dr. med. Gottfried Müller, M.D.
Caritas Krankenhaus Bad Mergentheim
Uhlandstrasse 7
97980 Bad Mergentheim

Entwickelt in Zusammenarbeit mit
Prof. Dr. med. Gottfried Müller
Caritas Krankenhaus Bad Mergentheim
Uhlandstraße 7
97980 Bad Mergentheim



FM042R
Micro scissors
straight, sharp/sharp
Mikro-Schere
gerade, spitz/spitz
180 mm, 7"

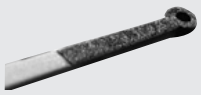
FD251R
Micro scissors
curved, sharp/sharp
Mikro-Schere
gebogen, spitz/spitz
180 mm, 7"



FD252R
Micro ligature scissors
for suture material 6/0 - 8/0
curved, sharp/sharp,
1 blade serrated
Mikro-Fadenschere
für Nahtmaterial von 6/0 - 8/0
gebogen, spitz/spitz,
1 Blatt gezahnt
180 mm, 7"

FM043R
Micro scissors
curved, 1 blade
probe pointed
Mikro-Schere
gebogen, 1 Blatt
mit Knopf
180 mm, 7"

DIA DUST®



The diamond dust coating ensures an even harder and more wear resistant surface on the inside of the jaws. Moreover, the structure of the DIA DUST® coating guarantees a reliable grip for fine needles and sutures, as well as for tissue.

Die Diamantstaubbeschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus garantiert die Struktur der DIA DUST®-Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.

1/1

Diam. of ring: 2 mm
Ring-Ø: 2 mm

FM047R
Micro ring forceps
Mikro-Ringpinzette
180 mm, 7"

1/1

1/1

Diam. of ring: 1 mm
Ring-Ø: 1 mm

FM572R
Micro ring forceps
Mikro-Ringpinzette
185 mm, 7 1/4"

1/1

1/1

1 x 2 teeth
1 x 2 Zähne

1/1

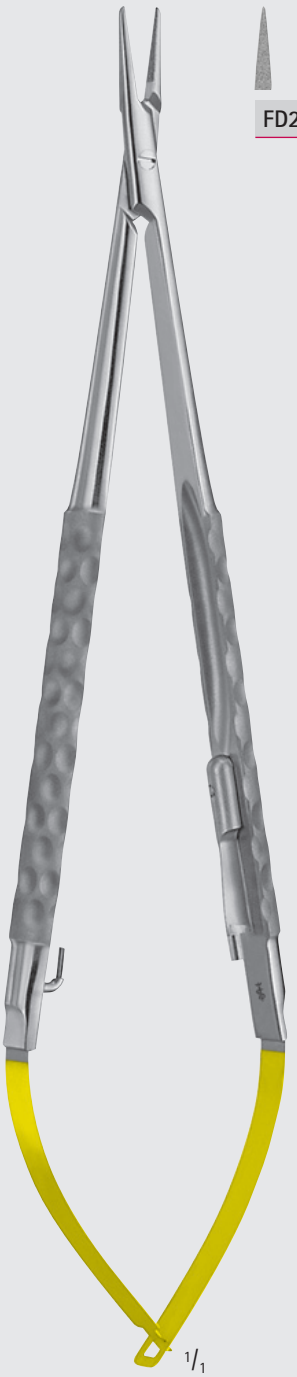
FD255R
Micro tissue forceps
Chirurgische Mikro-Pinzette
180 mm, 7"

1/1

with platform tip
mit Plateau

1/1

FD253R
Micro dissecting forceps
Anatomische Mikro-Pinzette
180 mm, 7"

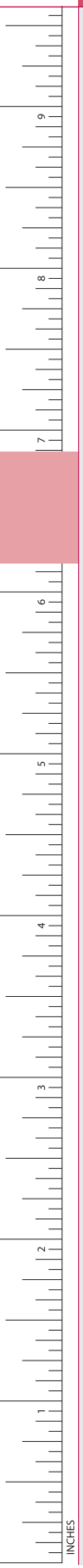


FD258R FD259R

1/1

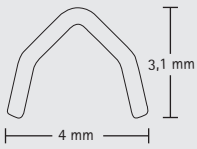
1/1

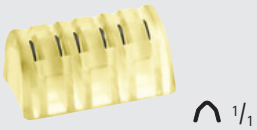
FD258R–FD259R
Micro needle holder with catch
Suture size: 7/0 and smaller
Mikro-Nadelhalter mit Sperre
Nahtmaterialgröße: 7/0 und kleiner
180 mm, 7"


INCHES

Vascular
Gefäß

Vascular Instruments
Gefäßinstrumente





PL565T

Titanium ligating clips
small (yellow)
Sales unit:
PAK = 30 cartridges with 6 clips = 180 clips

Titan-Ligatur-Clips
small (gelb)
Bestelleinheit:
PAK = 30 Magazine à 6 Clips = 180 Clips

PL566T

Cardiopack
Titanium ligating clips
small (yellow)
Sales unit:
PAK = 8 cartridges with 24 clips = 192 clips

Cardiopack
Titan-Ligatur-Clips
small (gelb)
Bestelleinheit:
PAK = 8 Magazine à 24 Clips = 192 Clips

FB222R

Clip applier
small (yellow)

Clipanlegezange
small (gelb)

150 mm, 6"

FB223R
25°

FB226R
65°

1/1

1/2

FB223R–FB226R

Clip appliers
small (yellow)

Clipanlegezangen
small (gelb)

203 mm, 8"

FB224R
25°

FB227R
65°

1/1

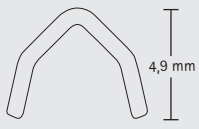
1/2

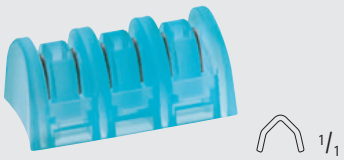
FB224R–FB227R

Clip appliers
small (yellow)

Clipanlegezangen
small (gelb)

280 mm, 11"





PL567T

Titanium ligating clips
medium (blue)
Sales unit:
PAK = 30 cartridges with 6 clips = 180 clips

Titan-Ligatur-Clips
medium (blau)
Bestelleinheit:
PAK = 30 Magazine à 6 Clips = 180 Clips

FB234R

Clip applier
medium (blue)

Clipanlegezange
medium (blau)

150 mm, 6"

MEDIUM

1/2

1/1

FB235R
25°

FB238R
65°

FB235R–FB238R

Clip appliers
medium (blue)

Clipanlegezangen
medium (blau)

203 mm, 8"

1/2

1/1

FB236R
25°

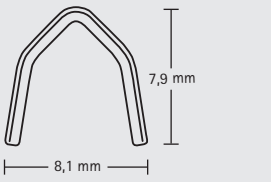
FB239R
65°

FB236R–FB239R

Clip appliers
medium (blue)

Clipanlegezangen
medium (blau)

280 mm, 11"



PL568T

Titanium ligating clips
medium-large (green)
Sales unit:
PAK = 20 cartridges with 6 clips = 120 clips

Titan-Ligatur-Clips
medium-large (grün)
Bestelleinheit:
PAK = 20 Magazine à 6 Clips = 120 Clips

FB240R
25°

FB243R
65°

FB254R
90°

FB240R–FB254R

Clip appliers
medium-large (green)

Clipanlegezangen
medium-large (grün)

203 mm, 8"

MEDIUM-LARGE

FB242R
25°

FB245R
65°

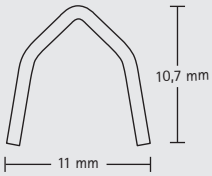
FB255R
90°

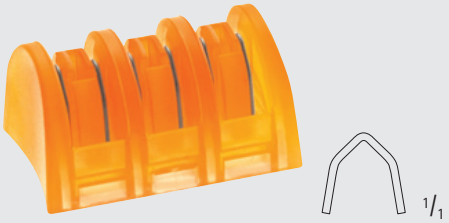
FB242R–FB255R

Clip appliers
medium-large (green)

Clipanlegezangen
medium-large (grün)

280 mm, 11"





PL561T

Titanium ligating clips
large (orange)
Sales unit:
PAK = 20 cartridges with 6 clips = 120 clips

Titan-Ligatur-Clips
large (orange)
Bestelleinheit:
PAK = 20 Magazine à 6 Clips = 120 Clips

FB246R
25°

FB249R
65°

FB252R
90°

FB246R–FB252R

Clip appliers
large (orange)

Clipanlegezangen
large (orange)

203 mm, 8"

FB248R
25°

FB251R
65°

FB253R
90°

1/1

1/2

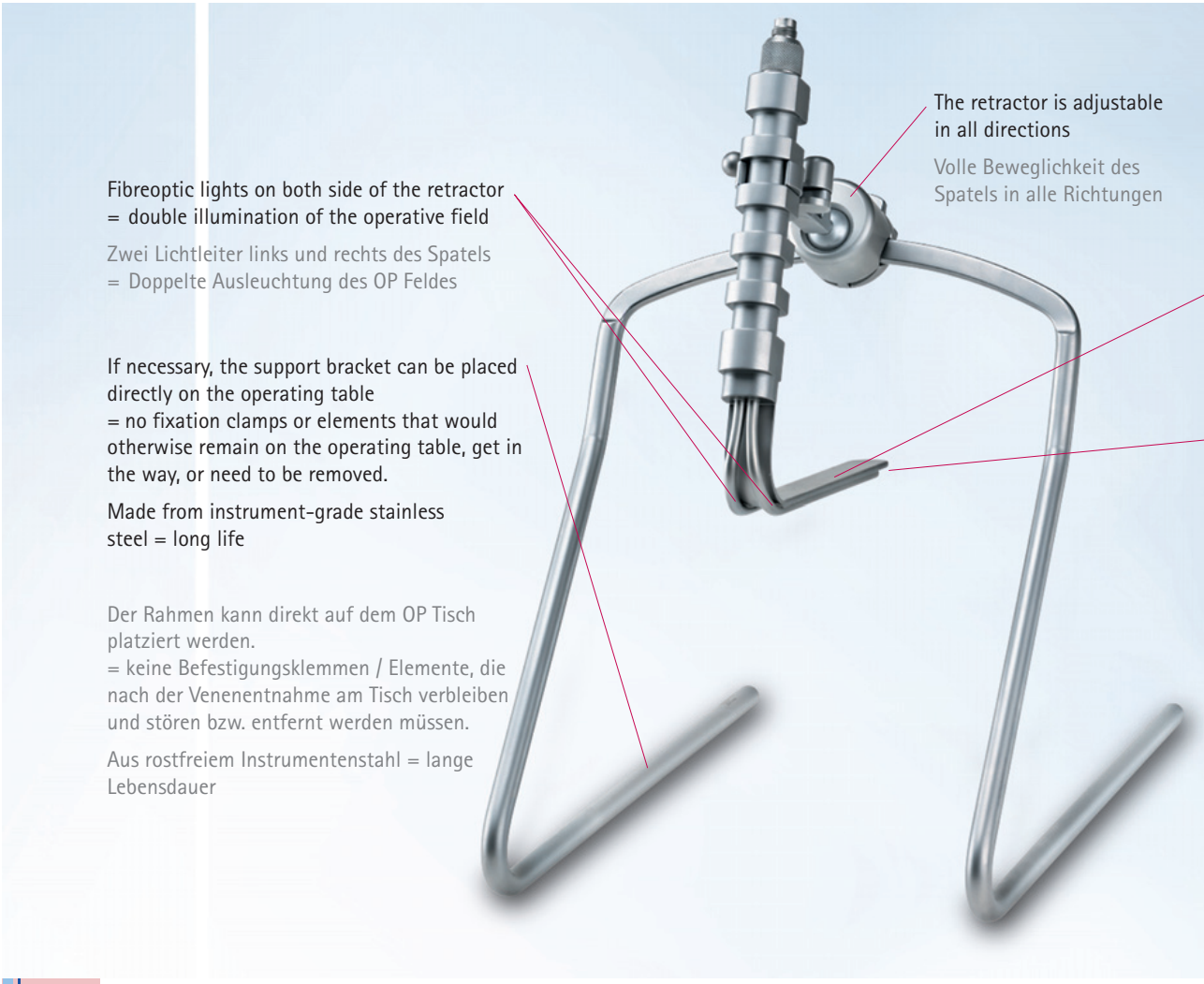
FB248R–FB253R

Clip appliers
large (orange)

Clipanlegezangen
large (orange)

280 mm, 11"

Vega System for Minimal Invasive Vein Harvesting
Vega System zur minimalinvasiven Venenentnahme



The VEGA system is used for minimally invasive harvesting of veins, particularly of the greater saphenous vein. A semi-open operating technique ensures that the quality of the dissected vein is unimpaired and that the harvesting procedure is safe for the patient. The quality of the dissected vein is comparable with that obtained using a conventional (open) harvesting technique.

Advantages of the VEGA system:

- Good cosmetic results (2 or 3 small incisions only).
- Simple operative technique because it can be carried out under direct view with conventional instruments.
- Thanks to a special support bracket for the fibre-optic retractor, the operator can harvest the vein unassisted.
- The operator's hands remain free to operate.
- Completely reusable system; no disposable elements.

Das VEGA System dient zur minimalinvasiven Venenentnahme, speziell der Vena Saphena Magna. Durch eine halboffene Technik ist es möglich die Vene mit uneingeschränkter Qualität und dennoch patientenschonend zu entnehmen. Die Venenqualität ist mit der einer konventionellen (offenen) Entnahme vergleichbar.

Die Vorteile des VEGA Systems:

- Gutes kosmetisches Ergebnis (2-3 kleine Inzisionen).
- Einfache OP Technik, da unter direkter Sicht mit konventionellen Instrumenten gearbeitet wird.
- Dank eines speziellen Haltebügels für den Leuchtspatel kann die Venenentnahme von einem Operateur alleine durchgeführt werden.
- Die Hände bleiben frei zum Operieren.
- Vollkommen wiederverwendbares System ohne Einmalelemente.

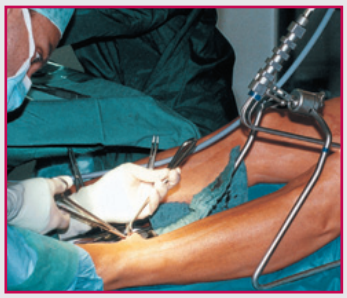
Retractor with fibreoptic light on the side = optimized use at available space

Spatel mit außen liegendem Lichtleiter = Optimierte Raumausnutzung

Fibreoptic light comes out close to the retractor tip = full illumination where it's needed without the encumbrance of diffuse light

Lichtleiteraustritt in der Nähe der Spatelspitze = volle Beleuchtung dort wo sie benötigt wird, kein irritierendes Streulicht

Operative procedure – Operationsablauf

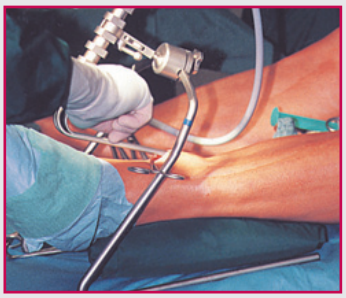


1) Perform small incision in ankle/lower leg. Insert fibreoptic retractor

Kleine Inzision am Unterschenkel/-knöchel. Einführen des Leuchtspatels.

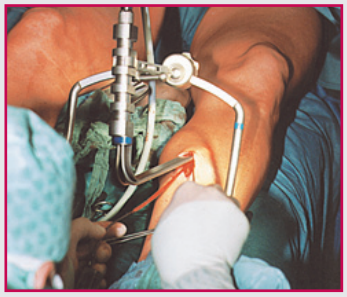
2) Dissect first vein segment

Präparieren des ersten Venenabschnitts.



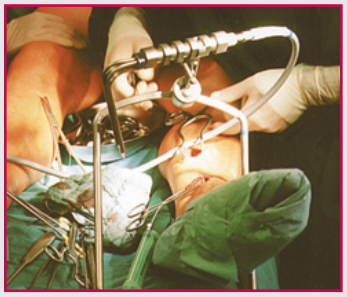
3) Attach retractor to support bracket

Verbinden des Retraktors mit der Haltevorrichtung.



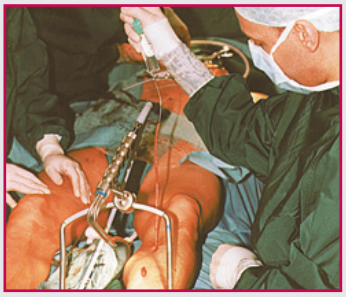
4) Dissect along the vein subcutaneously using the vein dissectors

Präparieren entlang der Vene mit dem Venendissektor, unterhalb der Haut.



5) Perform a second incision in the knee region. Repeat steps 1-5 from the knee downwards

Zweiter Einschnitt in der Kniegegend. Durchführen der oben beschriebenen Schritte knieabwärts.



6) Examine dissected vein

Die freipräparierte Vene wird überprüft.

7) Close small incisions

Die kleinen Einschnitte werden verschlossen.

FC090R

Tunneler complete,
consisting of:
FC091R Support bracket
FC092R Fibreoptic retractor, 140 x 160 mm

Tunneler komplett,
bestehend aus:
FC091R Spatel Fixierrahmen
FC092R Leuchtspatel, 140 x 160 mm

	Diam. Ø	Length Länge
OP906	4.8 mm	1.8 m
OP913	4.8 mm	2.5 m
OP914	4.8 mm	3.5 m

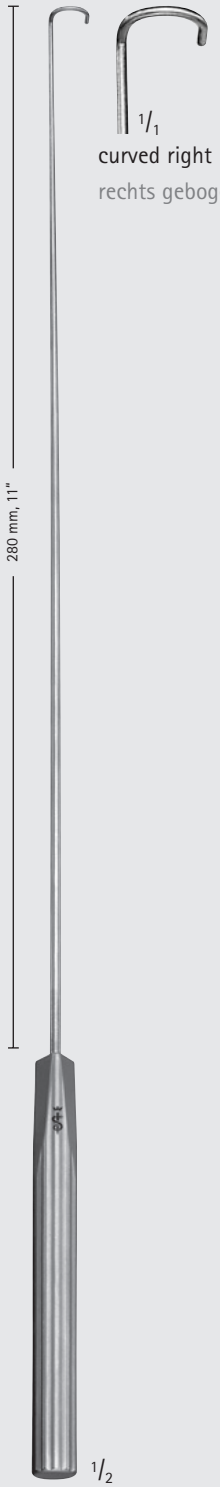
Fibre optic light cable,
steam-sterilizable up to 2 bar (134° C)

Fiberglas-Lichtkabel,
dampfsterilisierbar bis 2 bar (134° C)

curved left
links gebogen

FC093R

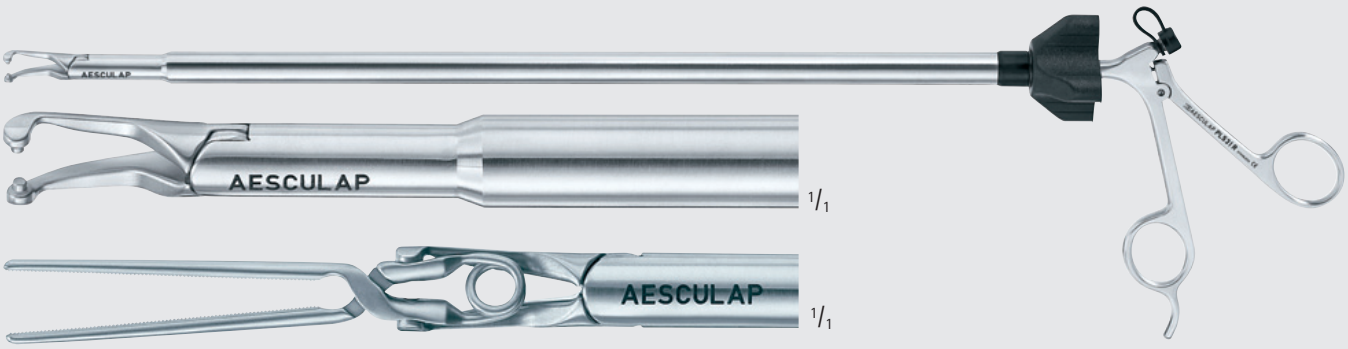
Vein dissector
Venen-Dissektor
280 mm, 11 "



curved right
rechts gebogen

FC094R

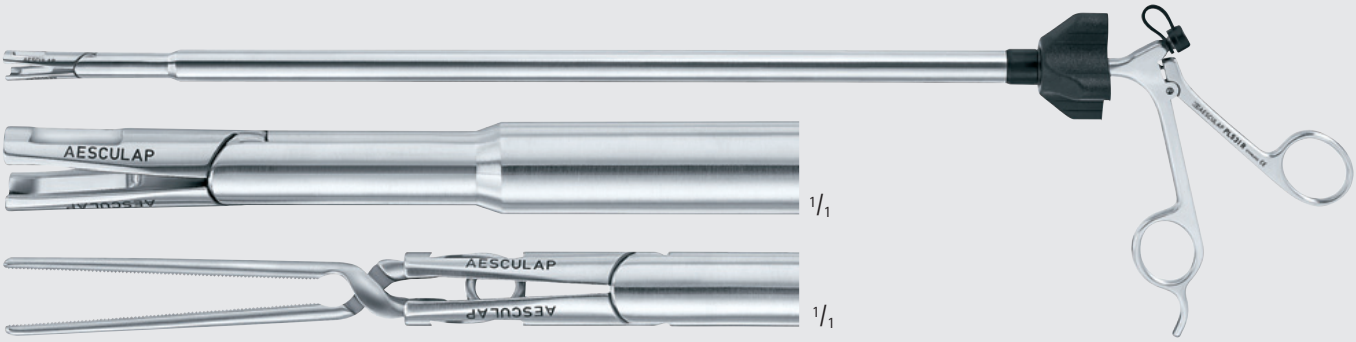
Vein dissector
Venen-Dissektor
280 mm, 11"



	Diam. Ø	Shaft length Schaftlänge
PL530R	12.5 mm	350 mm

Applier/Remover
for endo vessel clip,
clip can be at an angle

Anlege- / Abnehmezange
für Endo-Gefäßclip,
Clip abwinkelbar



	Diam. Ø	Shaft length Schaftlänge
PL531R	12.5 mm	350 mm

Applier/Remover
for endo vessel clip,
aligned clip only

Anlege- / Abnehmezange
für Endo-Gefäßclip,
Clip nicht abwinkelbar

Atraumatic endo vessel clips (temporary) with toothing DeBakey

- Venous endoscopic vessel clips with reduced closing force are especially marked at the end (gold).

Atraumatische Endo-Gefäßclips (temporär) mit DeBakey-Zahnung

- Venöse endoskopische Gefäßclips mit reduzierten Schließkräften sind über ein farbkodiertes Ende (gold) besonders gekennzeichnet.

	Jaw length Maullänge	Closing force Schließkraft	Jaw type Maulform	Color coding Farbcodierung
PL542S	25 mm	2.45 N	straight/gerade	gold/gold
PL543S	45 mm	2.94 N	straight/gerade	gold/gold
PL544S	25 mm	3.43 N	straight/gerade	-
PL545S	45 mm	4.41 N	straight/gerade	-

	Jaw length Maullänge	Closing force Schließkraft	Jaw type Maulform	Color coding Farbcodierung
PL546S	25 mm	2.45 N	curved/gebogen	gold/gold
PL547S	45 mm	2.94 N	curved/gebogen	gold/gold
PL548S	25 mm	3.43 N	curved/gebogen	-
PL549S	45 mm	4.41 N	curved/gebogen	-

Vascular Instruments – Gefäßinstrumente

Mini Vascular Clips and Approximators

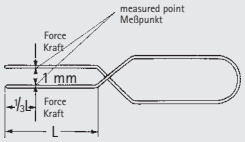
Mini-Gefäßclips und Approximatoren

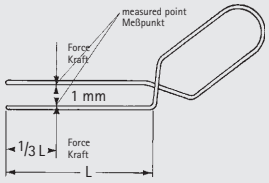
for temporary occlusion

- Blade gripping surface with oblique serrations for safe but careful gripping of vessels.
- No risk due to rigidly fixed pressure measure guarantees application without any risk.
- Closing force is measured at $^1/_3$ of the blades at 1 mm opening (see illustration).

für temporären Gebrauch

- Maulinnenflächen schräg gerieft, für schonendes, sicheres Festhalten der Gefäße.
- Der fest eingestellte Schließdruck gewährt risikofreie Anwendung.
- Schließkraft-Ermittlung: bei $^1/_3$ der Gesamtmaullänge von vorn und einer Maulöffnung von 1 mm (siehe Zeichnung).





BIEMER

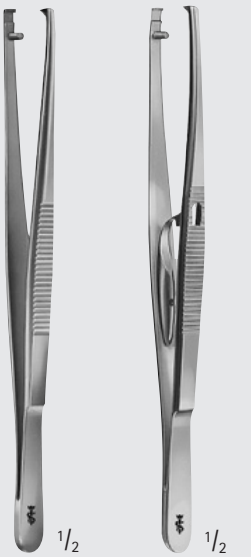
	Jaw opening Maul-öffnung	Jaw length Maul-länge	Closing force Schließkraft	Applying forceps Anlege-pinzette
FD560R	4 mm	6 mm	30 - 40 g (0.29 - 0.39 N)	FD568R
FD561R	5 mm	9 mm	30 - 40 g (0.29 - 0.39 N)	or / oder
FD562R	5 mm	9 mm	20 - 25 g (0.20 - 0.25 N)	FD569R

(identified by yellow colored spring ends)
for vessels diam. 0.5 - 2.0 mm
(gekennzeichnet durch gelb gefärbte Federenden)
für Gefäße mit Ø 0,5 - 2,0 mm

MEHDORN

	Jaw opening Maul-öffnung	Jaw length Maul-länge	Closing force Schließkraft	Applying forceps Anlege-pinzette
FD552R	4 mm	1.0 mm	10 - 15 g (0.10 - 0.15 N)	FD578R
FD554R	4 mm	1.4 mm	15 - 20 g (0.15 - 0.20 N)	
FD556R	6 mm	1.0 mm	10 - 15 g (0.10 - 0.15 N)	
FD558R	6 mm	1.4 mm	15 - 20 g (0.15 - 0.20 N)	

(identified by yellow colored spring ends)
for vessels diam. 0.5 - 1.5 mm
(gekennzeichnet durch gelb eingefärbte Federenden)
für Gefäße mit Ø 0,5 - 1,5 mm



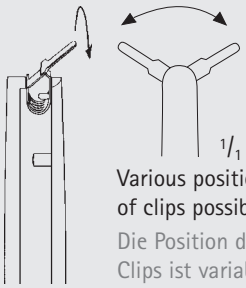
FD568R
without lock
ohne Schloss

FD569R
with lock
mit Schloss

BIEMER

FD568R–FD569R

Applying forceps for BIEMER vessel clips and BIEMER-MÜLLER and MÜLLER approximators
Anlegepinzetten für Gefäßclips nach BIEMER und Approximatoren nach BIEMER-MÜLLER und MÜLLER
140 mm, 5 $^1/_2$"



Various positions of clips possible
Die Position des Clips ist variabel

MEHDORN

FD578R

Applying forceps for MEHDORN vessel clips
Anlegepinzette für Gefäßclips nach MEHDORN
150 mm, 6"

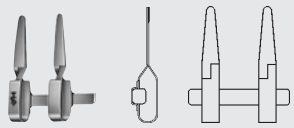
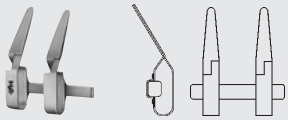
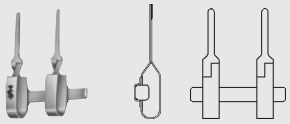
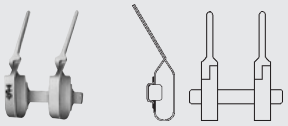
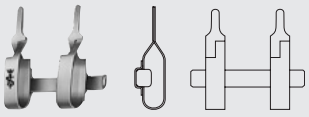
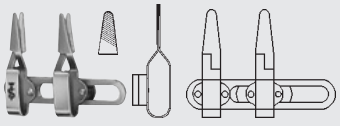
For micro vessel anastomosis in the superficial range

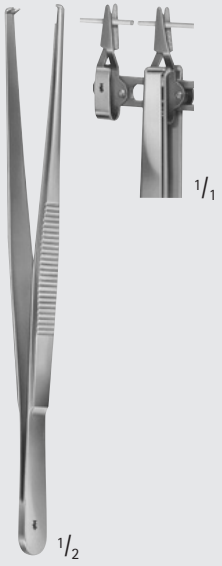
- Blade gripping surface with oblique serrations for careful but safe holding of the vessel ends.
- No risk due to rigidly fixed pressure measure.
- Adjustable distance between the clips and automatic fixation by tilting.
- Even when applied, the lightweight construction allows easy, distortionless turning and makes suturing possible on the other side of the vessel.

Für Mikro-Gefäßanastomosen im oberflächlichen Bereich

- Maulinnenflächen schräg gerieft, für schonendes, sicheres Festhalten der Gefäßenden.
- Der fest eingestellte Schließdruck garantiert risikofreie Anwendung.
- Der Abstand zwischen den Clips ist durch einfaches Verschieben variabel und wird durch Verkantung selbsttätig fixiert.
- Die leichte Konstruktion (geringes Gewicht, kleine Dimension) ermöglicht im angelegten Zustand einfaches, verzerrungsfreies Umdrehen, um auf der unteren Gefäßseite weiterzunähen.

BIEMER-MÜLLER

Micro approximators Mikro-Approximatoren		Jaw opening Maul-öffnung	Jaw length Maul-länge	Closing force Schließkraft	Applying forceps Anlege-pinzetten
FD611R		5 mm	9 mm	25 - 30 g (0.25 - 0.29 N)	
FD612R		5 mm	9 mm	25 - 30 g (0.25 - 0.29 N)	
FD613R		5 mm	9 mm	25 - 30 g (0.25 - 0.29 N)	FD568R or / oder FD569R
FD614R		5 mm	9 mm	25 - 30 g (0.25 - 0.29 N)	
FD615R		3 mm	4,5 mm	25 - 30 g (0.25 - 0.29 N)	
BIEMER FD571R		4 mm	6 mm	30 - 40 g (0.29 - 0.39 N)	FD572R



BIEMER

FD572R

Applying forceps for BIEMER vessel approximator

Anlegepinzette für Gefäß-Approximator nach BIEMER

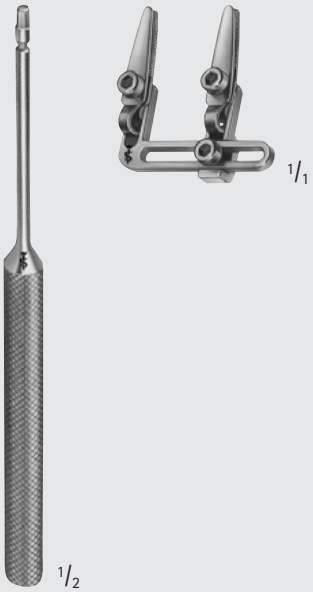
145 mm, 5 3/4"

For micro vessel anastomosis in the deeper range, also for experimental surgery

- Blade gripping surface with oblique serrations for careful but safe holding of the vessel ends.
- The pressure measure is adjusted with key FD576R.
- The distance between the clips is variable and fixed with key FD576R.

Für Mikro-Gefäßanastomosen im tieferen Bereich, außerdem für die experimentelle Chirurgie

- Maulinnenflächen schräg gerieft, für schonendes, sicheres Festhalten der Gefäßenden.
- Der Schließdruck wird mit dem Schlüssel FD576R eingestellt.
- Der Abstand zwischen den Clips ist variabel und wird mit dem Schlüssel FD576R fixiert.



1/1

1/2

FD575R

Approximator complete, with key FD576R

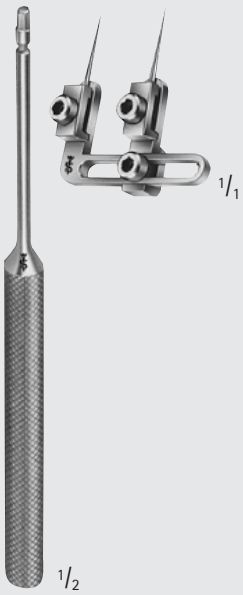
Approximator komplett, mit Schlüssel FD576R

For safe adaption of nerve anastomoses

- Piercing the nerve centre **with fine needles** prevents strong pathological changes.
- Needles can be exchanged with key FD576R.
- Distance between the needles is variable and can be fixed with key FD576R.

Zur sicheren Adaption bei Nervanastomosen

- Das Durchstrecken des Nervenzentrum **mit feinen Nadeln** verhindert stärkere pathologische Veränderungen.
- Nadeln mit Schlüssel FD576R auswechselbar.
- Abstand zwischen den Nadeln variabel und mit Schlüssel FD576R fixierbar.



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BIEMER

FD635R

Approximator for nerves complete, with key FD576R

Nerv-Approximator komplett, mit Schlüssel FD576R

FD636R

1 pair of spare needles

1 Paar Ersatznadeln

SCHWARTZ

FD628R

Applying forceps
for SCHWARTZ vessel clips

Anlegezange
für Gefäßclips nach SCHWARTZ

190 mm, 7 1/2"

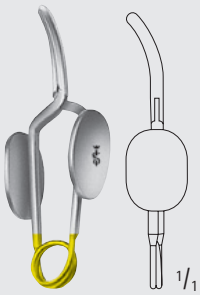
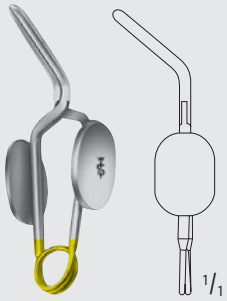
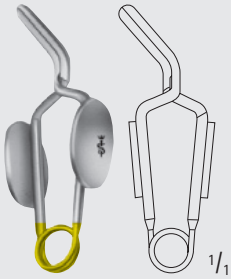
	Total length Gesamtlänge	Jaw length Maullänge	Jaw width Maulbreite	Jaw type Maulform	Closing force Schließkraft
1/1 **FD622R**	25 mm, 1"	8 mm	2 mm	0°	4.0 N
1/1 **FD623R**	25 mm, 1"	8 mm	2mm	25°	4.0 N
1/1 **FD624R**	25 mm, 1"	8 mm	2 mm	45°	4.0 N

SCHWARTZ

FD622R–FD624R

Temporary vessel clips

Temporäre Gefäßclips

Closing force Schließdruck	1/1	 1/1	1/1	 1/1	 1/1
50 g	FE010K	FE011K	FE012K	FE013K	FE014K
80 g	FE020K	FE021K	FE022K	FE023K	FE024K
	straight gerade	curved gebogen	curved tips Spitze gebogen	angled to side zur Seite abgewinkelt	knee-bent kniegebogen

MÜLLER

FE010K–FE024K

Atraumatic vessel clips, temporary

Temporäre Gefäßclips mit atraumatischem Maulprofil

1/1

1/1

jaw profiles,
cross-serrated

Maulprofil fein
kariert

MÜLLER

FE005K

Ligature forceps

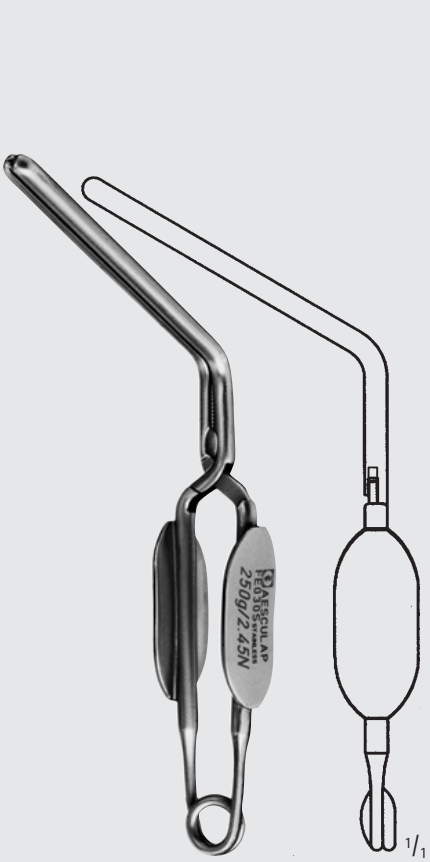
Fadenklemme

MÜLLER Vascular Clips

Features:
- Atraumatic jaw profile
- Handle plateau mounted on both sides for secure application and removal of the clip.
- Exactly defined closing pressure for arterial and venous vessels.
- Vascular clips are clearly marked with closing pressure.
- Closed jaw box guarantees precise guidance of the working tips. No risk of threads getting tangled up in the clip.

Gefäßclips nach MÜLLER

Merkmale:
- Atraumatisches Maulprofil
- Beidseitig angebrachte Griffplateaus zum sicheren Anlegen und Abnehmen des Clips.
- Exakt definierter Schließdruck für arterielle und venöse Gefäße.
- Gefäßclips eindeutig mit Schließdruck gekennzeichnet.
- Geschlossener Maulkasten zur sicheren Maulführung. Kein ungewolltes Verfangen des Fadens möglich.



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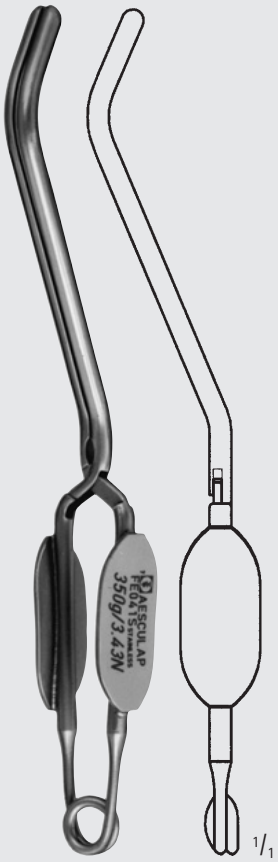

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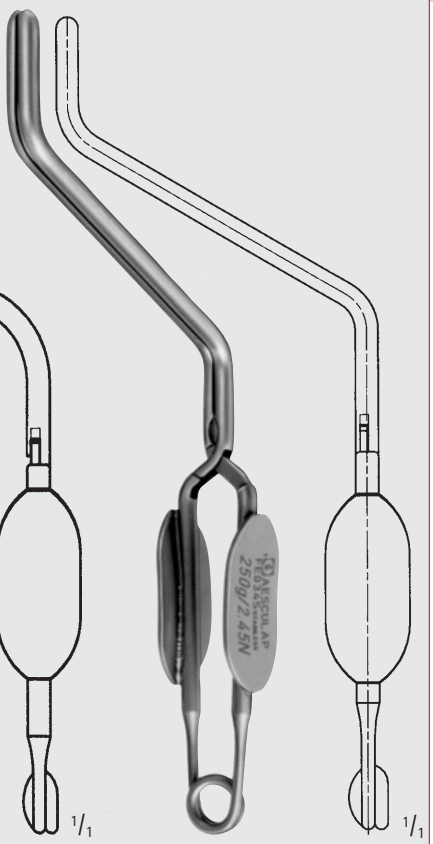

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Closing force Schließkraft	MÜLLER	MÜLLER	MÜLLER	MÜLLER
250 g	FE030S	FE031S	FE032S	FE034S
350 g	FE040S	FE041S	FE042S	FE044S
	straight gerade	curved gebogen	curved tips Spitze gebogen	knee-bent kniegebogen

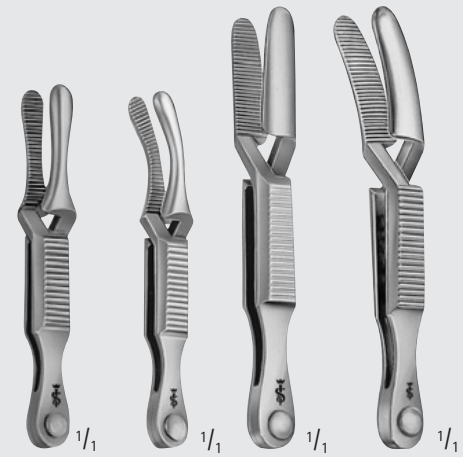
JOHNS-HOPKINS

BH018R

Forceps for applying and removing bulldog clamps BH011R-BH031R and FB420R-FB427R

Zange zum Anlegen und Abnehmen der Bulldogklemmen BH011R-BH031R und FB420R-FB427R

240 mm, 9 3/4"



BH020R **BH021R** **BH026R** **BH027R**
BH022R **BH023R**

DIEFFENBACH

	Total length: Gesamtlänge:	Length of jaw serration: Länge der Zahnung:
BH020R	38 mm, 1 1/2"	12 mm, 1/2"
BH022R	48 mm, 2"	16 mm, 5/8"
BH021R	38 mm, 1 1/2"	12 mm, 1/2"
BH023R	48 mm, 2"	16 mm, 5/8"
BH026R	58 mm, 2 1/8"	16 mm, 5/8"
BH027R	58 mm, 2 1/8"	16 mm, 5/8"

BH011R-BH017R

JOHNS-HOPKINS

	Total length: Gesamtlänge:	Length of jaw serration: Länge der Zahnung:
BH011R	38 mm, 1 1/2"	12 mm, 1/2"
BH012R	48 mm, 2"	17 mm, 5/8"
BH013R	56 mm, 2 1/8"	25 mm, 1"
BH014R	63 mm, 2 1/2"	30 mm, 1 3/16"
BH015R	70 mm, 2 3/4"	33 mm, 1 1/4"
BH016R	80 mm, 3 1/8"	42 mm, 1 3/4"
BH017R	91 mm,3 1/2"	52 mm, 2"

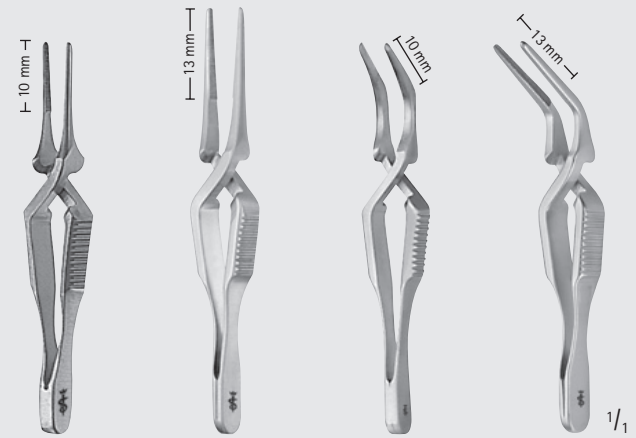
DE BAKEY-HESS

	BH030R
Jaw length:	20 mm
Maullänge:	3/4"
Total length:	35 mm
Gesamtlänge:	1 3/8"

	FB328R	FB329R	FB330R	FB331R
Length of jaw serration:	14 mm	14 mm	19 mm	19 mm
Länge der Zahnung:	1/2"	1/2"	3/4"	3/4"
Total length:	35 mm	35 mm	45 mm	45 mm
Gesamtlänge:	1 3/8"	1 3/8"	1 3/4"	1 3/4"

DE BAKEY-HESS

	BH031R
Jaw length:	30 mm
Maullänge:	1 1/8"
Total length:	40 mm
Gesamtlänge:	1 1/2"

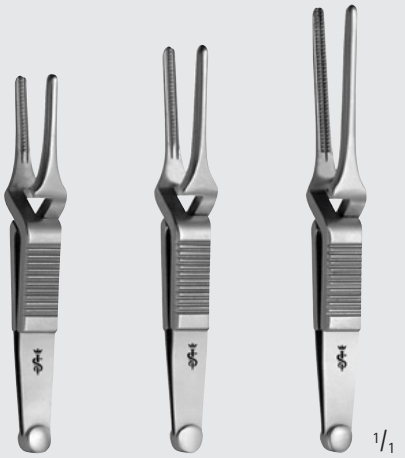


	DIETHRICH MB741R	DIETHRICH MB285R	DIETHRICH BH032R	DIETHRICH BH034R
Jaw length:	16 mm	20 mm	10 mm	13 mm
Maullänge:	5/8"	3/4"	3/8"	1/2"
Total length:	52 mm	55 mm	48 mm	48 mm
Gesamtlänge:	2"	2 1/8"	1 7/8"	1 7/8"

MILLIMETERS

Mini-bulldog clamps
Closing force 180 g
Mini-Bulldogklemmen
Schließdruck 180 g

straight
gerade



	FB362R	FB364R	FB366R
Length of jaw serration:	10 mm	14 mm	20 mm
Länge der Zahnung:	3/8"	1/2"	3/4"
Total length:	50 mm	55 mm	60 mm
Gesamtlänge:	2"	2 1/8"	2 3/8"

Mini-bulldog clamps
Closing force 180 g
Mini-Bulldogklemmen
Schließdruck 180 g

angled, 55°
gewinkelt, 55°

curved
gebogen

	FB363R	FB365R	FB367R	FB369R
Length of jaw serration:	10 mm	14 mm	20 mm	20 mm
Länge der Zahnung:	3/8"	1/2"	3/4"	3/4"
Total length:	45 mm	50 mm	55 mm	55 mm
Gesamtlänge:	1 3/4"	2"	2 1/8"	2 1/8"

	DE BAKEY	DE BAKEY	GLOVER
	FB352R	FB353R	FB431R
Length of jaw serration:	20 mm	20 mm	20 mm
Länge der Zahnung:	3/4"	3/4"	3/4"
Total length:	50 mm	48 mm	52 mm
Gesamtlänge:	2"	1 7/8"	2"

	DE BAKEY	DE BAKEY	DE BAKEY
	FB357R	FB358R	FB359R
Length of jaw serration:	21 mm	42 mm	38 mm
Länge der Zahnung:	3/4"	1 5/8"	1 1/2"
Total length:	75 mm	100 mm	95 mm
Gesamtlänge:	3"	4"	3 1/2"

Vascular Instruments – Gefäßinstrumente

Vascular Clips and Bulldog Clamps
Gefäßclips und Bulldogklemmen

straight
gerade

1/1

curved
gebogen

1/1

	DE BAKEY FB420R	DE BAKEY FB422R	DE BAKEY FB424R	DE BAKEY FB426R	DE BAKEY FB421R	DE BAKEY FB423R	DE BAKEY FB425R	DE BAKEY FB427R
Length of jaw serration:	20 mm	30 mm	45 mm	65 mm	20 mm	30 mm	45 mm	65 mm
Länge der Zahnung:	3/4"	1 1/8"	1 3/4"	2 1/2"	3/4"	1 1/8"	1 3/4"	2 1/2"
Total length:	80 mm	90 mm	105 mm	125 mm	78 mm	86 mm	97 mm	115 mm
Gesamtlänge:	3 1/8"	3 1/2"	4 1/8"	5"	3 1/8"	3 3/8"	3 3/4"	4 1/2"

straight
gerade

1/1

curved
gebogen

1/1

	GLOVER FB432R	GLOVER FB434R	GLOVER FB436R	GLOVER FB433R	GLOVER FB435R	GLOVER FB437R
Length of jaw serration:	25 mm	40 mm	60 mm	25 mm	40 mm	60 mm
Länge der Zahnung:	1"	1 1/2"	2 3/8"	1"	1 1/2"	2 3/8"
Total length:	68 mm	97 mm	116 mm	65 mm	90 mm	107 mm
Gesamtlänge:	2 5/8"	3 3/4"	4 3/4"	2 1/2"	3 1/2"	4 1/8"

INCHES

1/1

	Fig. A GREGORY FB380R	Fig. B GREGORY FB381R	Fig. C GREGORY FB382R	Fig. D GREGORY FB383R
Length of jaw serration:	35 mm	55 mm	50 mm	65 mm
Länge der Zahnung:	1 3/8"	2 1/8"	2"	2 1/2"
Total length:	90 mm	110 mm	105 mm	120 mm
Gesamtlänge:	3 1/2"	4 1/4"	4 1/8"	4 3/4"

GREGORY MODIF.

FB384R-FB385R

Length of jaw serration:	70 mm
Länge der Zahnung:	2 3/4"
Total length:	120 mm
Gesamtlänge:	4 3/4"

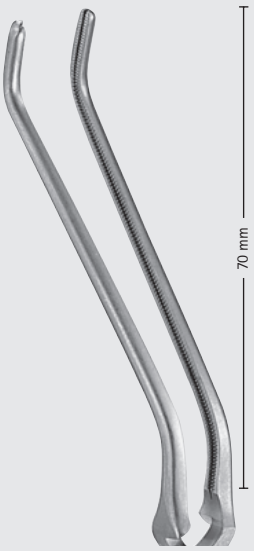


Fig. A

FB384R

left curved

links gebogen

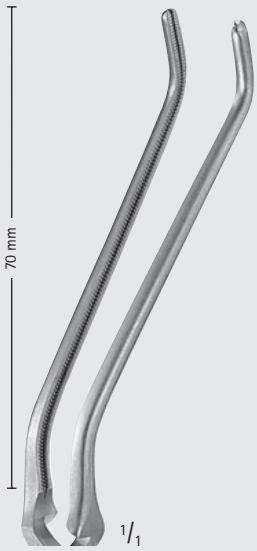


Fig. B

FB385R

right curved

rechts gebogen

1/1

	GLOVER FB370R	GLOVER FB374R	GLOVER FB375R	GLOVER FB376R	GLOVER FB377R
Length of jaw serration:	25 mm	20 mm	30 mm	45 mm	55 mm
Länge der Zahnung:	1"	3/4"	1 1/8"	1 3/4"	2 1/8"
Total length:	50 mm	40 mm	60 mm	75 mm	120 mm
Gesamtlänge:	2"	1 1/2"	2 3/8"	3"	4 3/4"

MILLIMETERS

1/1

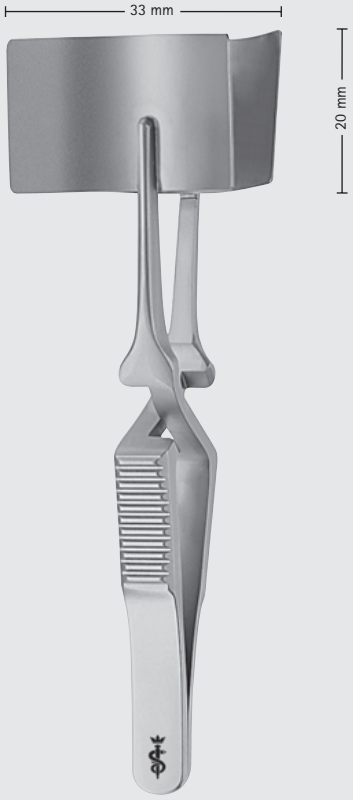
	COOLEY MB737R	COOLEY MB738R	COOLEY MB739R	COOLEY MB740R
Length of jaw serration:	20 mm	30 mm	45 mm	60 mm
Länge der Zahnung:	3/4"	1 1/8"	1 3/4"	2 3/8"
Total length:	50 mm	65 mm	85 mm	125 mm
Gesamtlänge:	2"	2 1/2"	3 3/8"	5"

Glue application bulldog clamps

- Used for application of gelatine glue during aortic dissection and fixation of the layers

Fixier-Bulldogklemmen

- für die Verwendung mit Gelatine-Kleber während der Aortendissektion zur Fixierung der verschiedenen Schichten der Gefäßwand

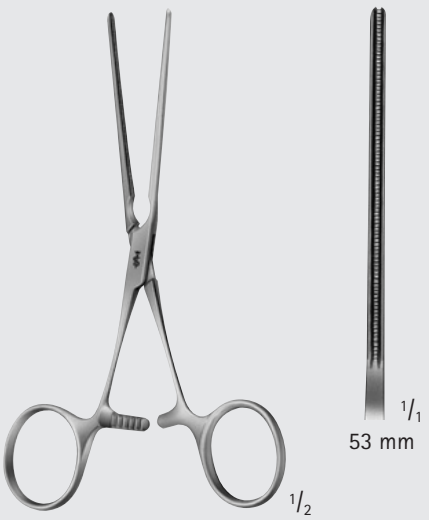


FB941R	FB942R
smooth cup	smooth cup
glatt	glatt
95 mm	130 mm
3 3/4"	5"

FB941R–FB942R

Glue application bulldog clamps

Fixier-Bulldogklemmen



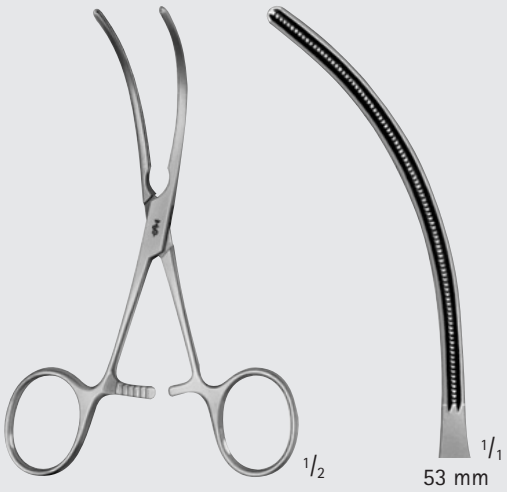
DE BAKEY

FB540R

straight

gerade

130 mm, 5 1/8"



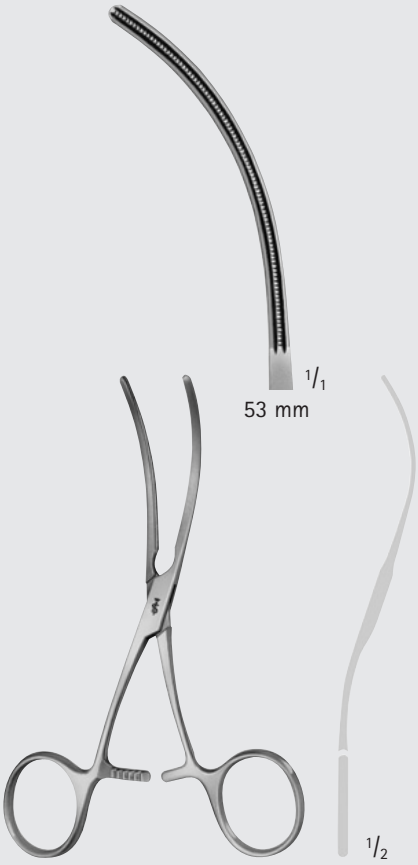
DE BAKEY

FB541R

curved jaws

Maul gebogen

125 mm, 5"



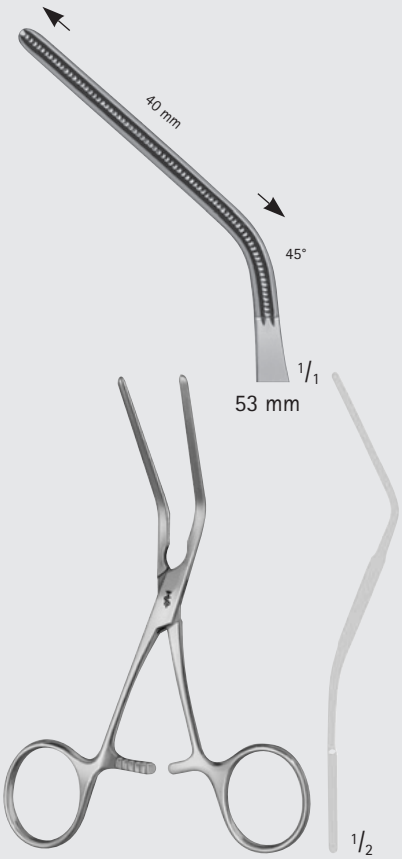
DE BAKEY

FB542R

S-shaped

S-förmig

125 mm, 5"



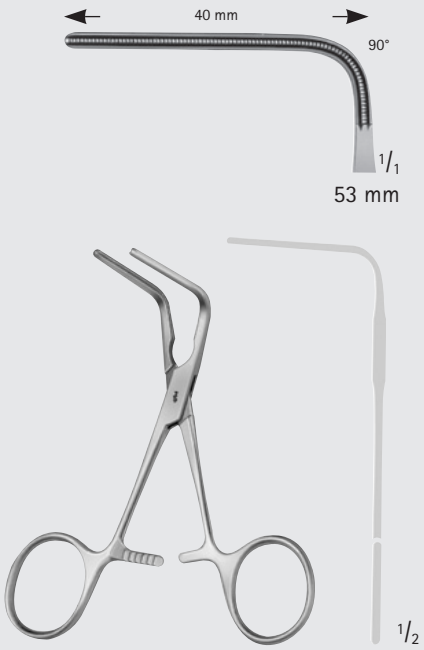
DE BAKEY

FB543R

angled 45°

45° winklig gebogen

125 mm, 5"



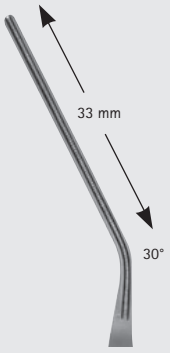
DE BAKEY

FB544R

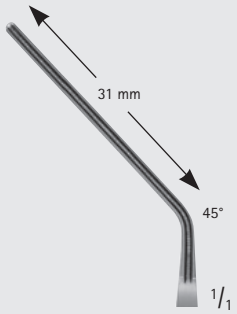
angled 90°

90° winklig gebogen

105 mm, 4 1/8"



FB581R

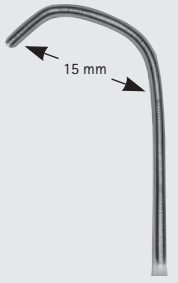


FB582R

CASTANEDA

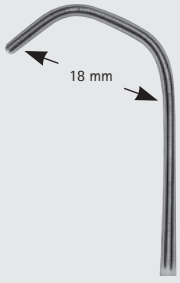
FB581R–FB582R

120 mm, 4 3/4"



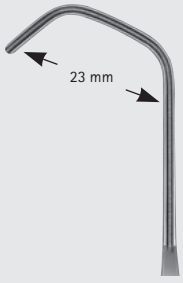
48 mm

FB590R



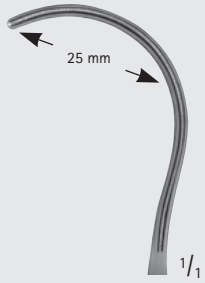
52 mm

FB591R



56 mm

FB592R



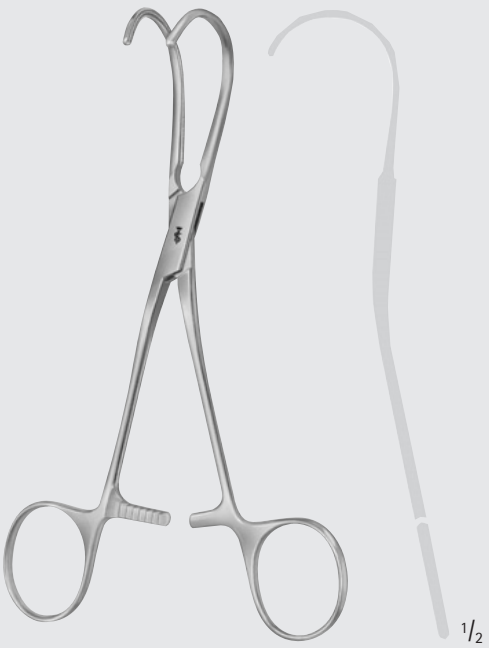
50 mm

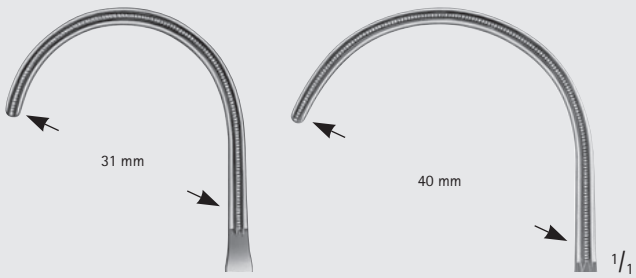
FB593R

CASTANEDA

FB590R–FB593R

155 mm, 6"





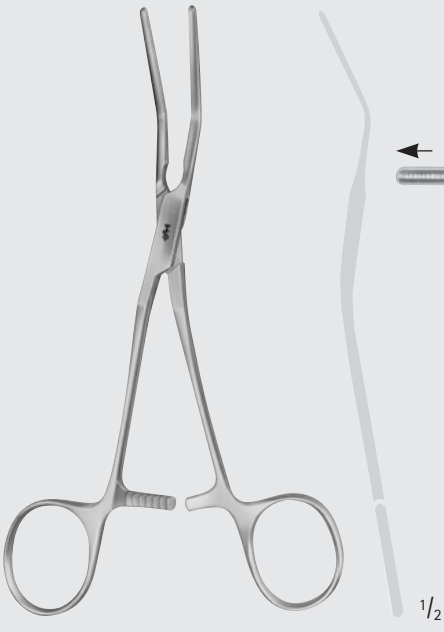
FB557R
160 mm
6 1/2"

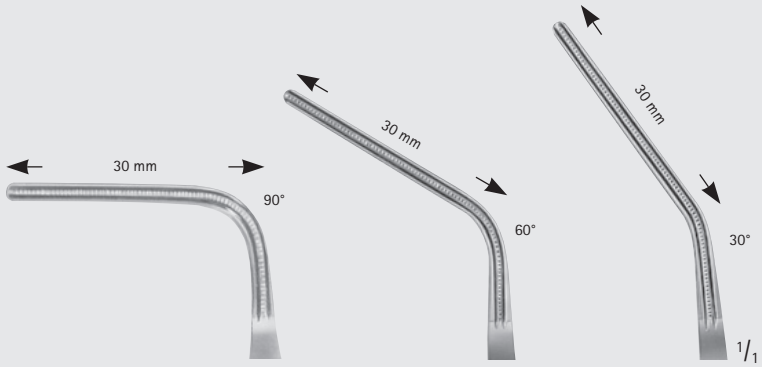
FB558R
170 mm
6 3/4"

1/2

DE BAKEY

FB557R–FB558R





FB569R
150 mm
6"

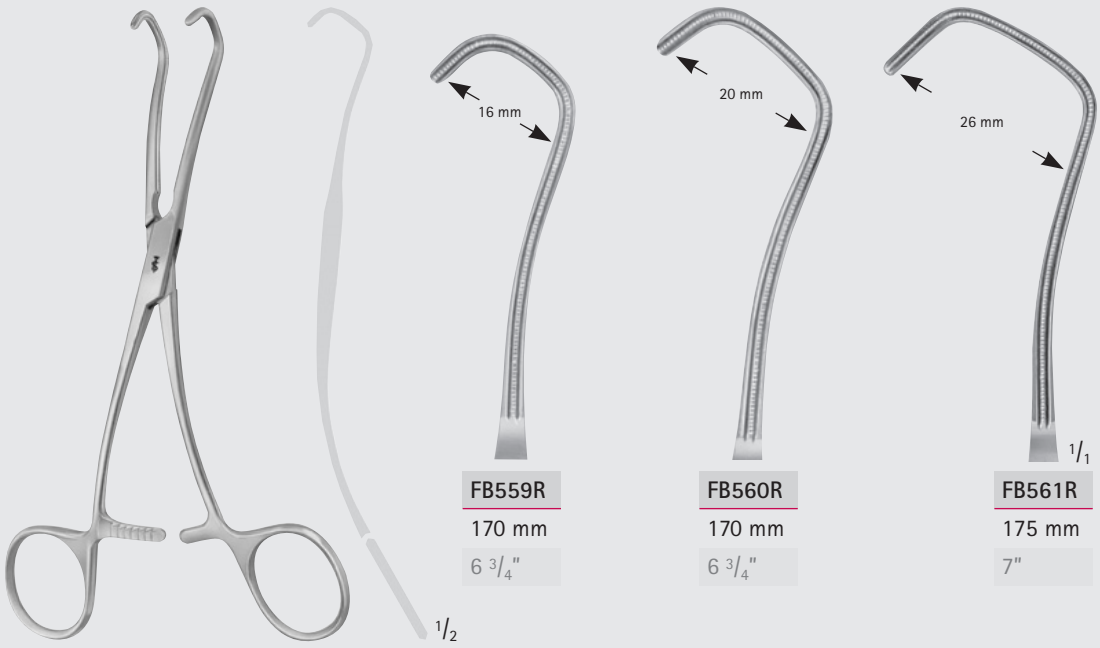
FB568R
160 mm
6 1/4"

FB567R
165 mm
6 1/2"

1/2

COOLEY

FB567R–FB569R

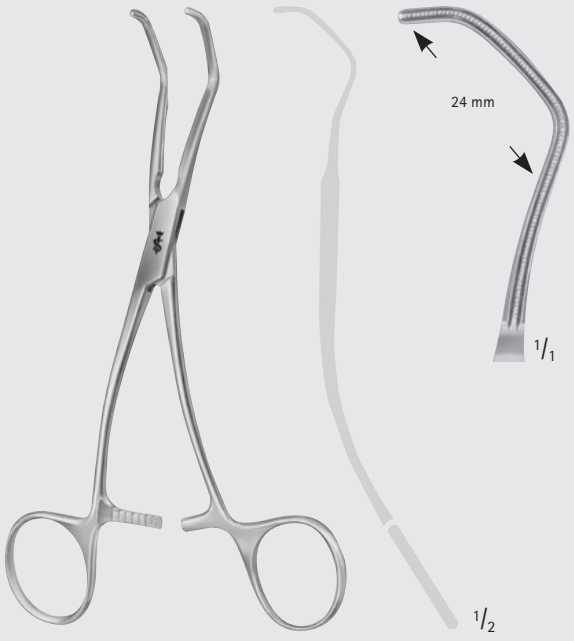


FB559R
170 mm
6 3/4"

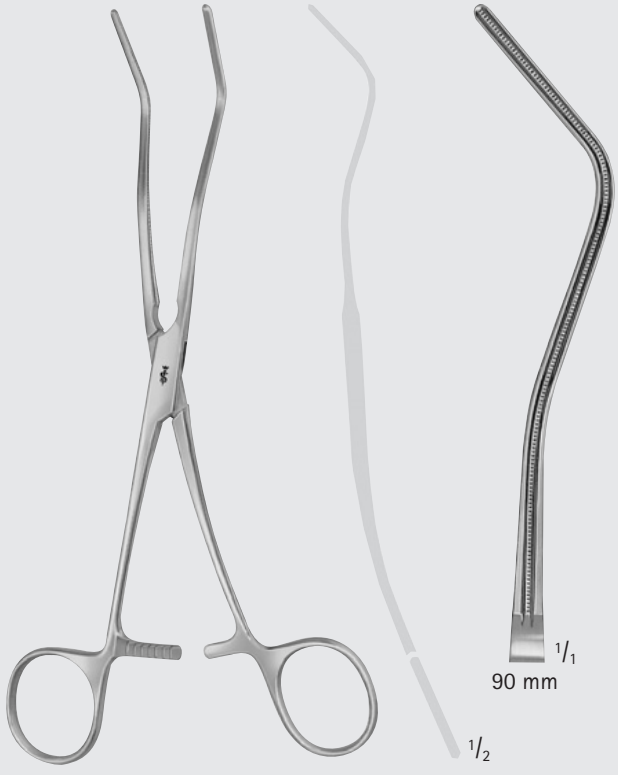
FB560R
170 mm
6 3/4"

FB561R
175 mm
7"

DERRA
FB559R–FB561R



COOLEY
FB563R
160 mm, 6 1/4"



COOLEY
FB570R
200 mm, 8"

20 mm
FB440R

20 mm
FB441R

1/1

1/2

FB440R-FB441R

Mosquito Forceps
Mosquitoklemmen
125 mm, 5"

27 mm
FB442R

27 mm
FB443R

1/1

1/2

FB442R-FB443R

Mosquito forceps
Mosquitoklemmen
165 mm, 6 1/2"

40 mm
FB446R

40 mm
FB447R

1/1

1/2

DE BAKEY-BAINBRIDGE

FB446R-FB447R

155 mm, 6"

65 mm
FB448R

65 mm
FB449R

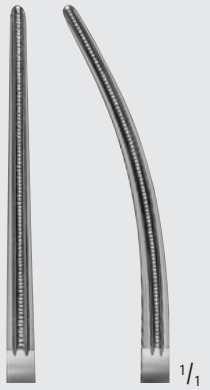
1/1

1/2

DE BAKEY-BAINBRIDGE

FB448R-FB449R

180 mm, 7"



50 mm	50 mm
FB444R	FB445R

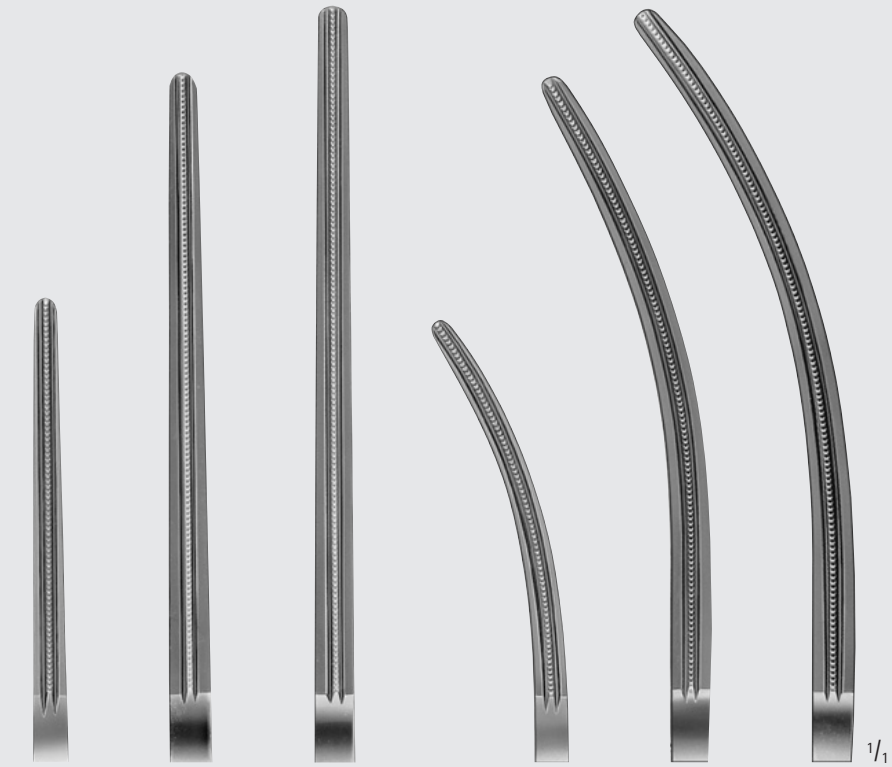
PEAN

FB444R–FB445R

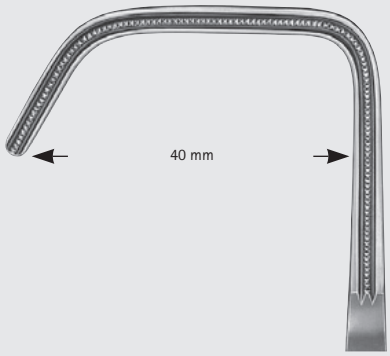
155 mm, 6"

DE BAKEY-PEAN

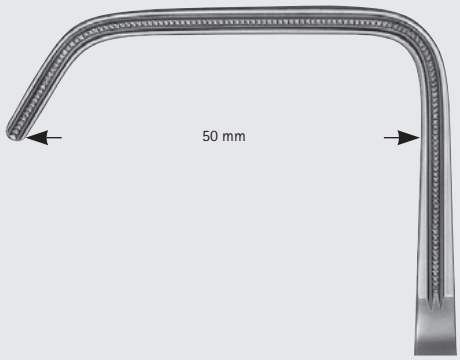
FB526R–FB535R



60 mm	89 mm	99 mm	60 mm	89 mm	99 mm
FB526R	FB532R	FB534R	FB527R	FB533R	FB535R
200 mm	265 mm	280 mm	200 mm	260 mm	275 mm
8"	10 1/2"	11"	8"	10 1/4"	10 3/4"



FB528R
230 mm
9"



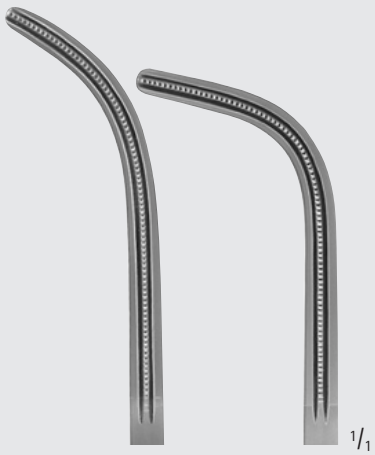
FB529R
235 mm
9 1/4"

1/1

FB530R
245 mm
9 3/4"

HOPT

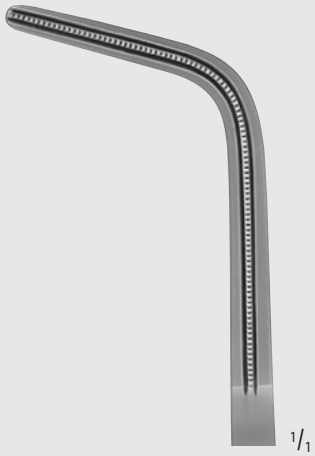
FB528R–FB530R



1/1

81 mm
FB486R
250 mm
10"

81 mm
FB487R
245 mm
9 3/4"



1/1

80 mm

70 mm

DE BAKEY-RUMEL
FB486R-FB487R

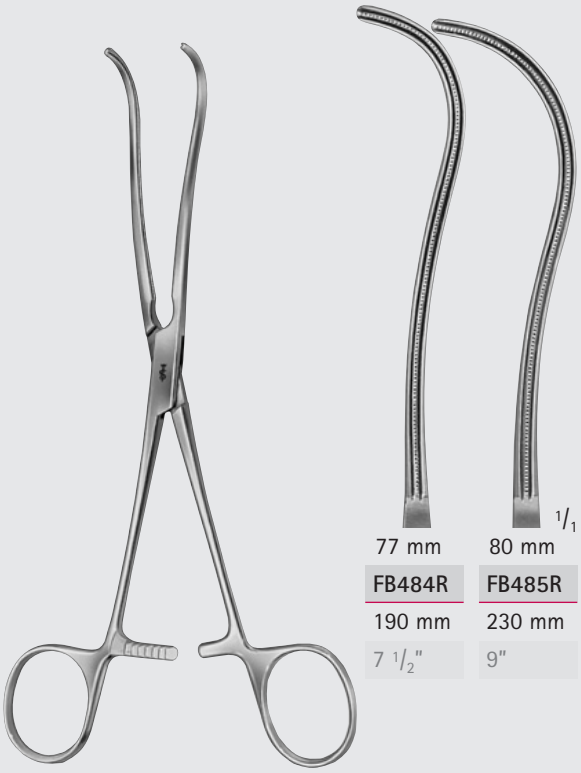
1/2

DE BAKEY-MIXTER
FB497R
285 mm, 11 1/4"

1/2

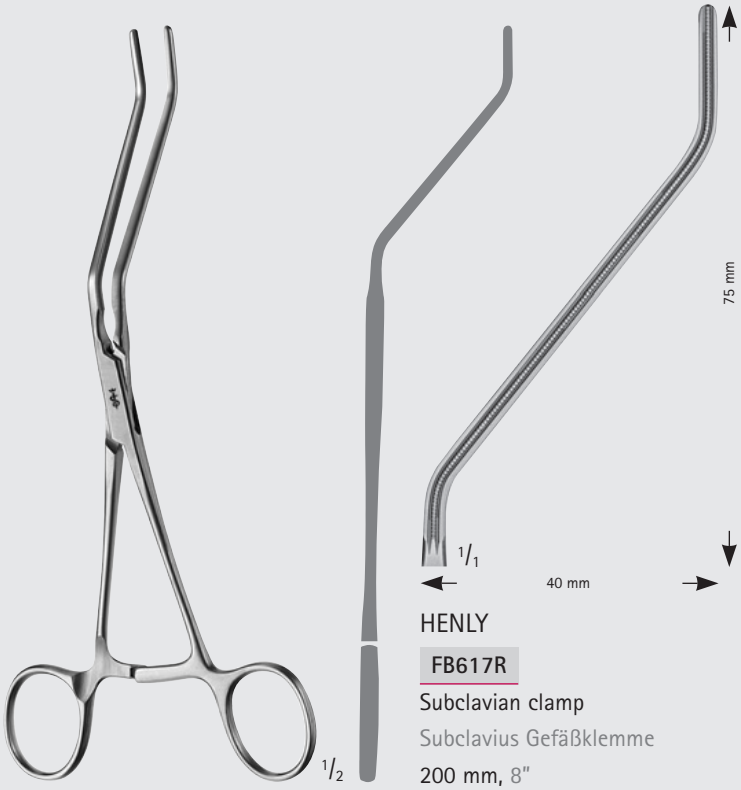
DE BAKEY - MC QUIGG-MIXTER
FB496R
210 mm, 8 1/4"

MILLIMETERS



77 mm	80 mm
FB484R	FB485R
190 mm	230 mm
7 1/2"	9"

DE BAKEY
FB484R–FB485R



HENLY
FB617R
Subclavian clamp
Subclavius Gefäßklemme
200 mm, 8"

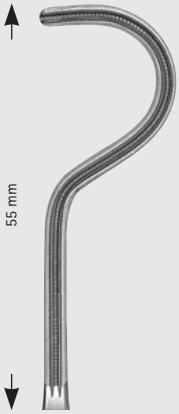
DE BAKEY
FB483R
240 mm, 9 1/2"

51 mm	75 mm
FB498R	FB499R
210 mm	230 mm
8 1/4"	9"

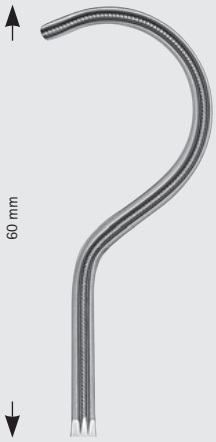
DE BAKEY
FB498R–FB499R

DALE

FB546R–FB549R



FB546R
Spoon size: S (small)
Löffelgröße: S (small)
175 mm
7"



FB547R
Spoon size: M (medium)
Löffelgröße: M (medium)
180 mm
7"

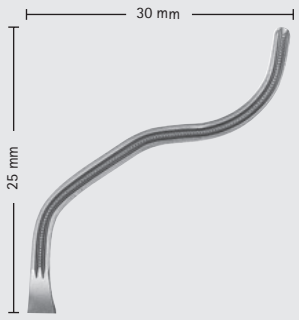
FB548R
Spoon size: L (large)
Löffelgröße: L (large)
180 mm
7"

FB549R
180 mm
7"

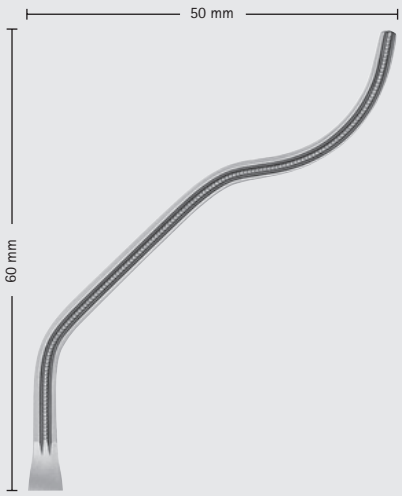
GREGORY

MB750R–MB752R

Profunda clamps
Profundaklemmen



MB750R
small
klein
145 mm
5 3/4"

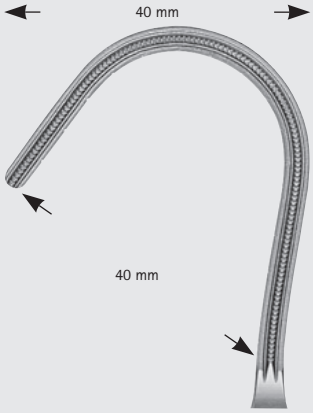


MB751R
medium
mittel
180 mm
7"

MB752R
large
groß
195 mm
7 3/4"

WYLIE

FB669R-FB670R



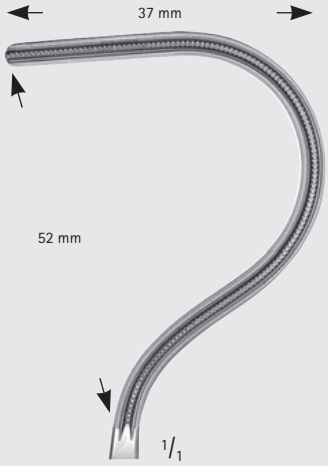
FB669R

strong curved

stark gebogen

220 mm

8 3/4"



FB670R

curved back

nach hinten gebogen

230 mm

9"

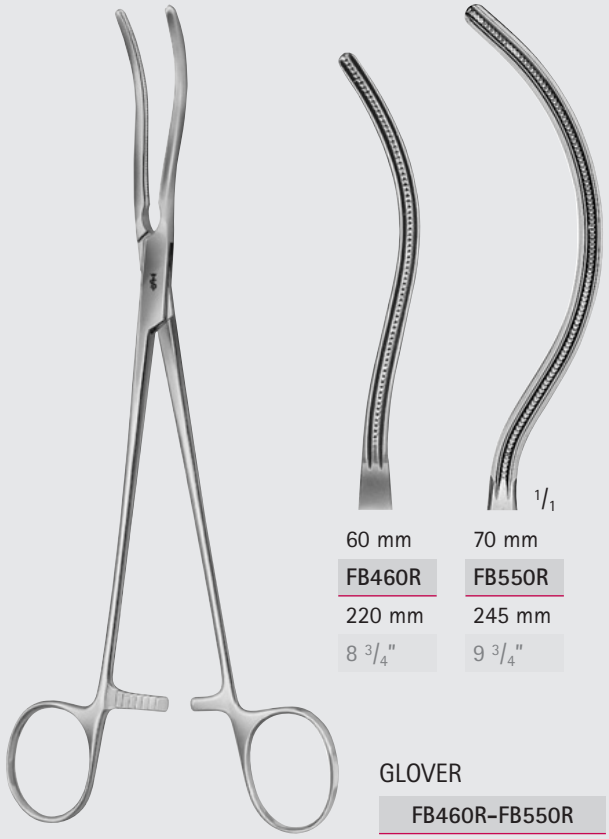
Vascular Instruments – Gefäßinstrumente

Atraumatic Vascular Clamps
Atraumatische Gefäßklemmen

95 mm
FB462R
210 mm
8 1/4"

70 mm
FB461R
195 mm
7 3/4"

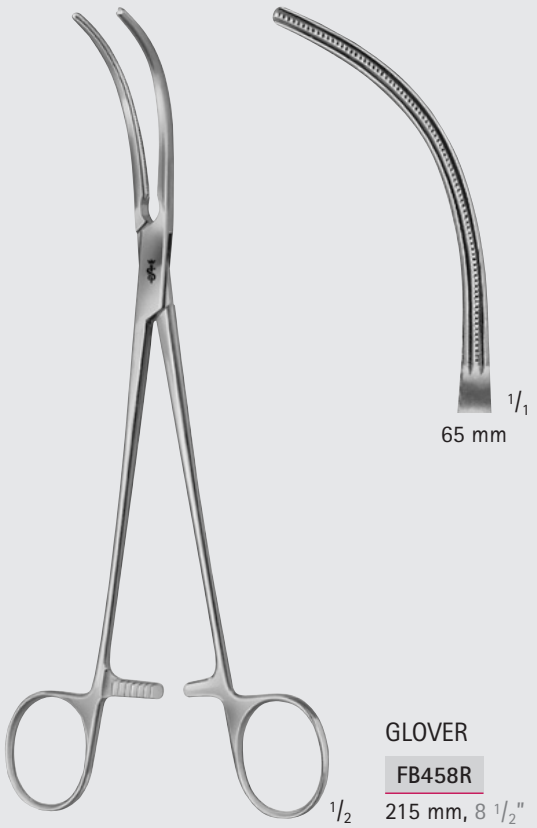
GLOVER
FB461R-FB462R



60 mm
FB460R
220 mm
8 3/4"

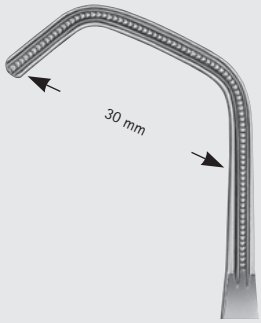
70 mm
FB550R
245 mm
9 3/4"

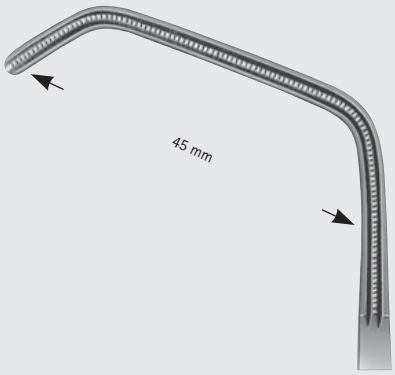
GLOVER
FB460R-FB550R



GLOVER
FB458R
215 mm, 8 1/2"

GLOVER
FB459R
245 mm, 9 3/4"



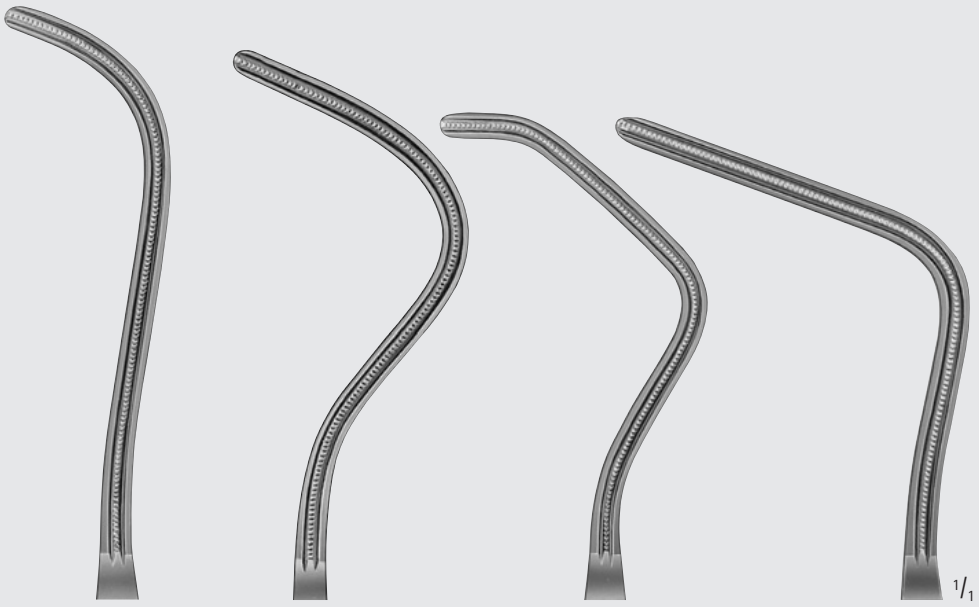


1/1

65 mm
FB519R
205 mm
8"

80 mm
FB520R
210 mm
8 1/4"

DE BAKEY-BECK
FB519R-FB520R



1/1

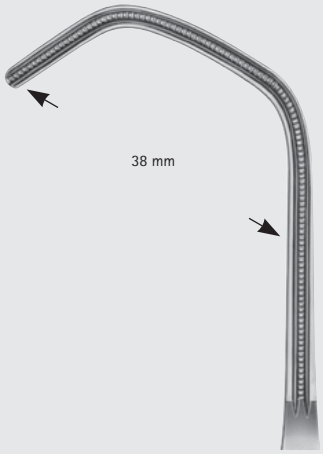
86 mm
FB521R
255 mm
10"

86 mm
FB522R
245 mm
9 3/4"

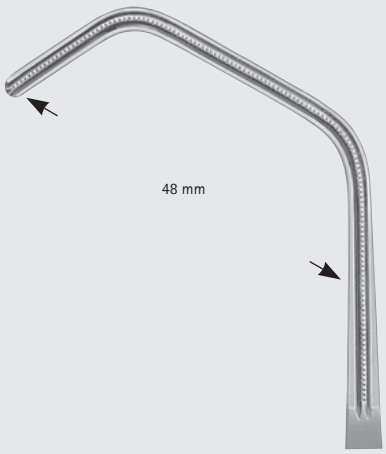
86 mm
FB523R
245 mm
9 3/4"

86 mm
FB524R
245 mm
9 3/4"

DE BAKEY-HARKEN
FB521R-FB524R

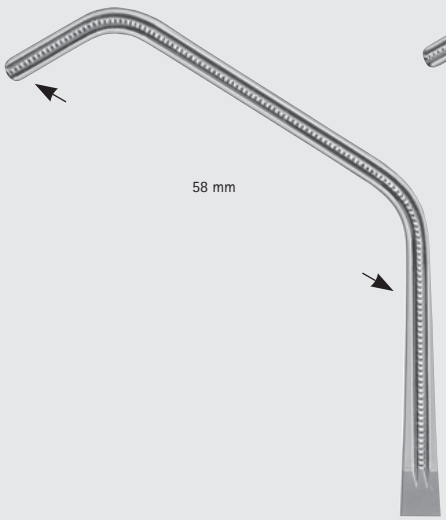


85 mm
FB500R
220 mm
7 3/4"

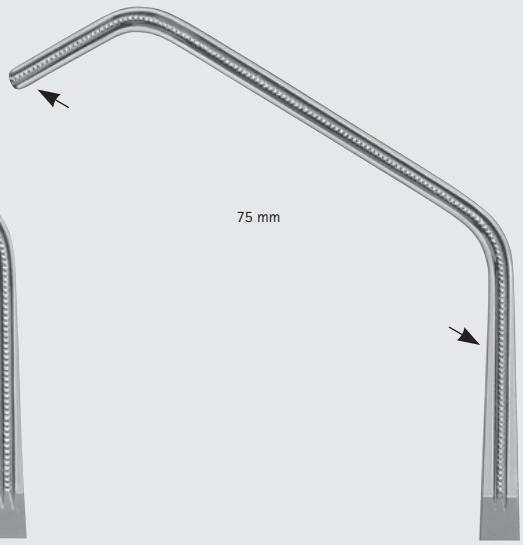


95 mm
FB501R
265 mm
10 1/4"

99 mm
FB502R
270 mm
10 3/4"

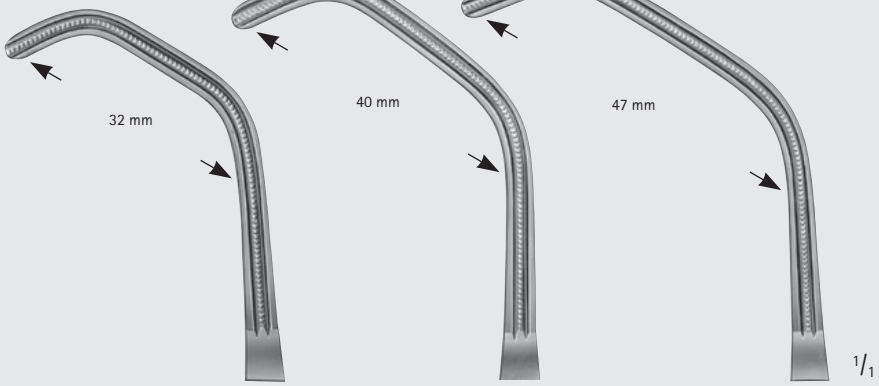


103 mm
FB503R
270 mm
10 3/4"



119 mm
FB504R
280 mm
11"

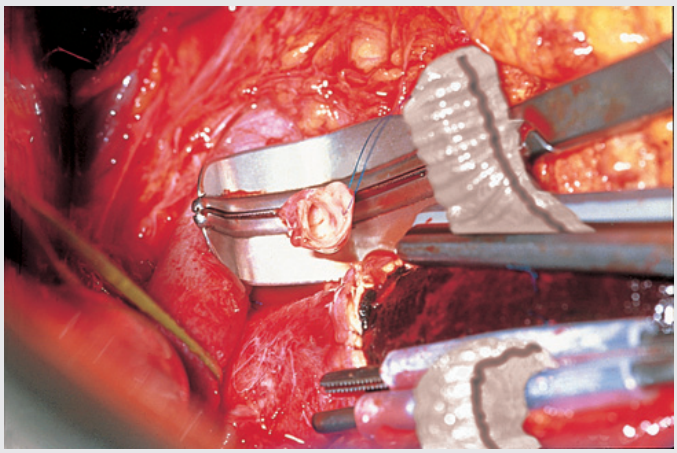
DE BAKEY
FB500R–FB504R



DE BAKEY-SATINSKY

FB506R–FB508R

68 mm	76 mm	84 mm
FB506R	FB507R	FB508R
235 mm	240 mm	245 mm
9 1/4"	9 1/2"	9 3/4"



FB587R
235 mm
9 1/4"

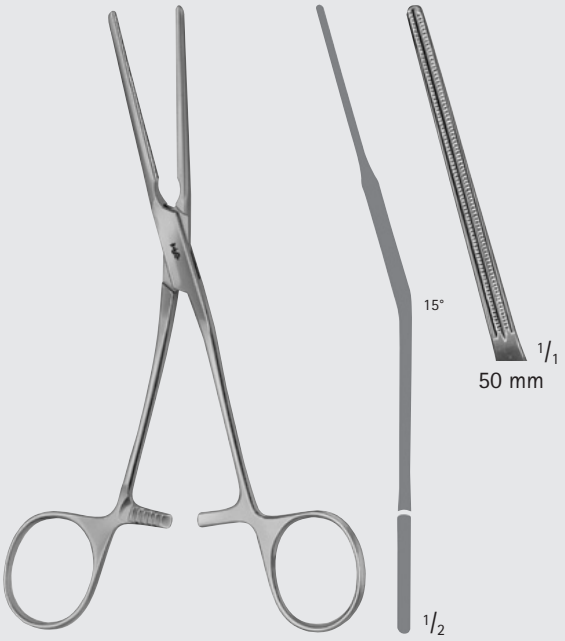
FB588R
245 mm
9 3/4"

ALLENBERG

FB587R–FB588R

with lateral blades for retraction of soft tissue during the anastomosis

mit seitlichen Blättern zum Weghalten von Weichteilen während der Anastomose



50 mm

DE BAKEY

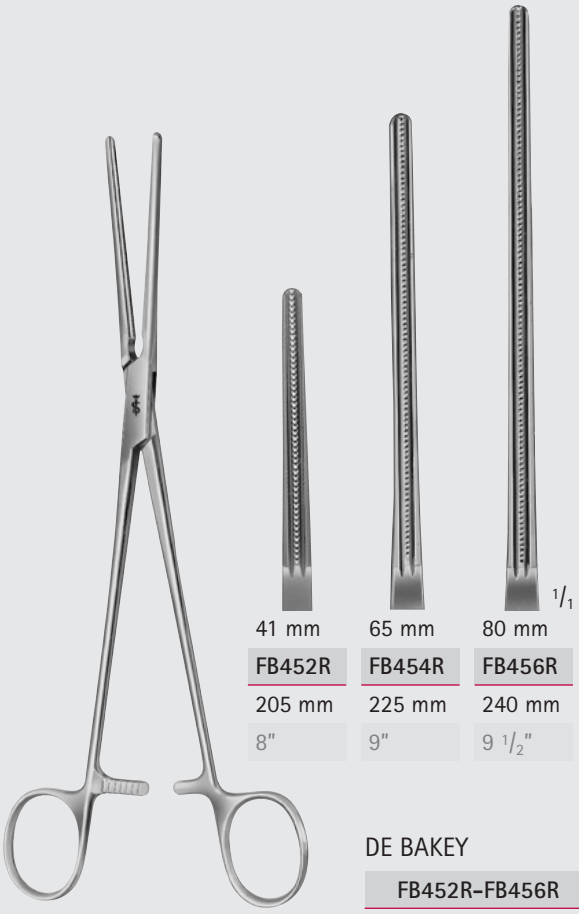
FB553R

165 mm, 6 1/2"

50 mm	50 mm
FB552R	**FB554R**
170 mm	165 mm
6 3/4"	6 1/2"

DE BAKEY

FB552R–FB554R



41 mm	65 mm	80 mm
FB452R	**FB454R**	**FB456R**
205 mm	225 mm	240 mm
8"	9"	9 1/2"

DE BAKEY

FB452R–FB456R

41 mm	65 mm	80 mm
FB453R	**FB455R**	**FB457R**
200 mm	225 mm	240 mm
8"	9"	9 1/2"

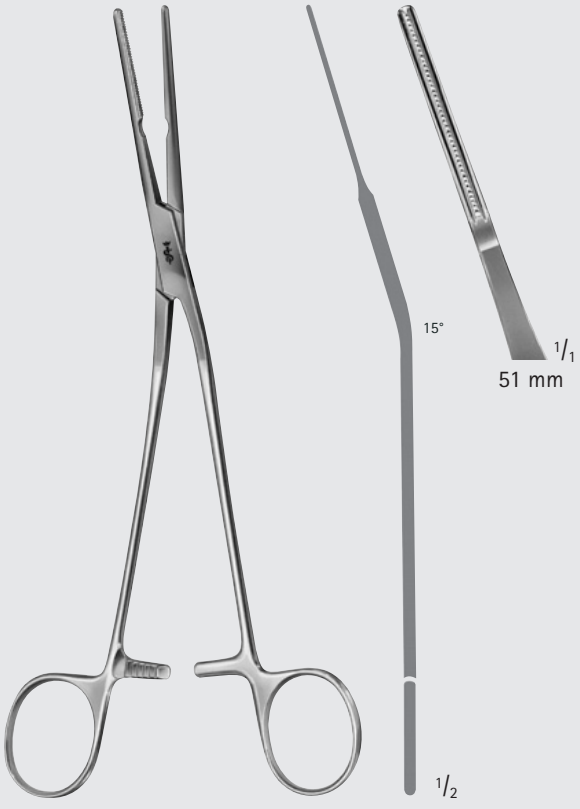
DE BAKEY

FB453R–FB457R

DE BAKEY

FB450R

210 mm, 8 1/4"



DE BAKEY

FB451R

210 mm, 8 1/4"

DE BAKEY

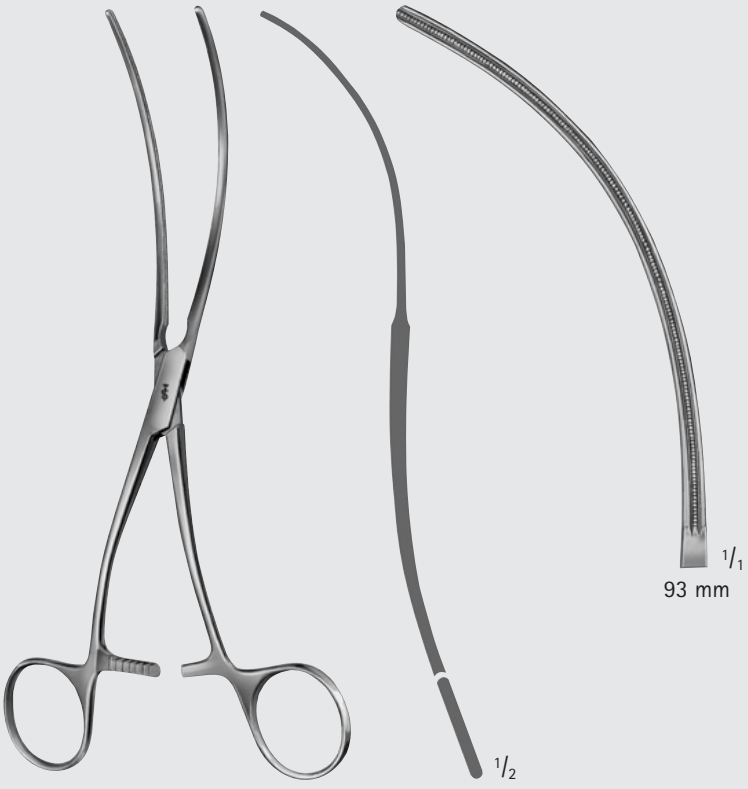
FB463R

160 mm, 6 1/4"

DE BAKEY

FB464R

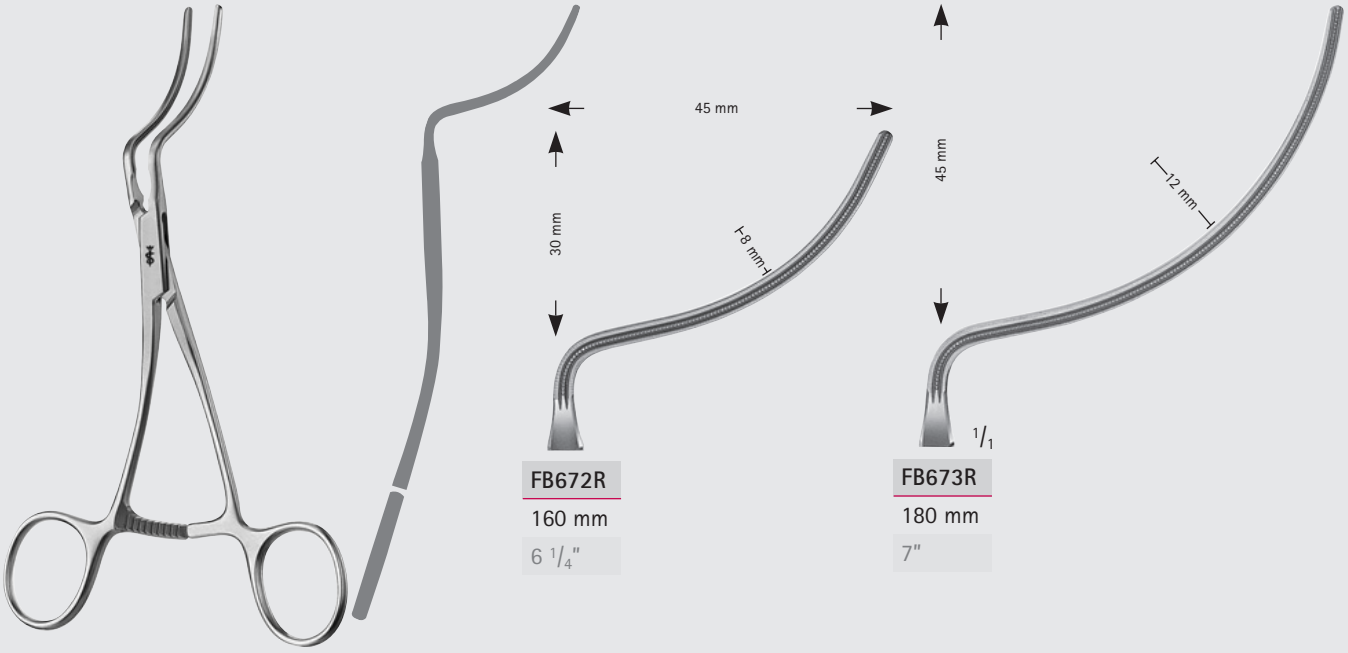
190 mm, 7 1/4"



DE BAKEY

FB465R

200 mm, 8"



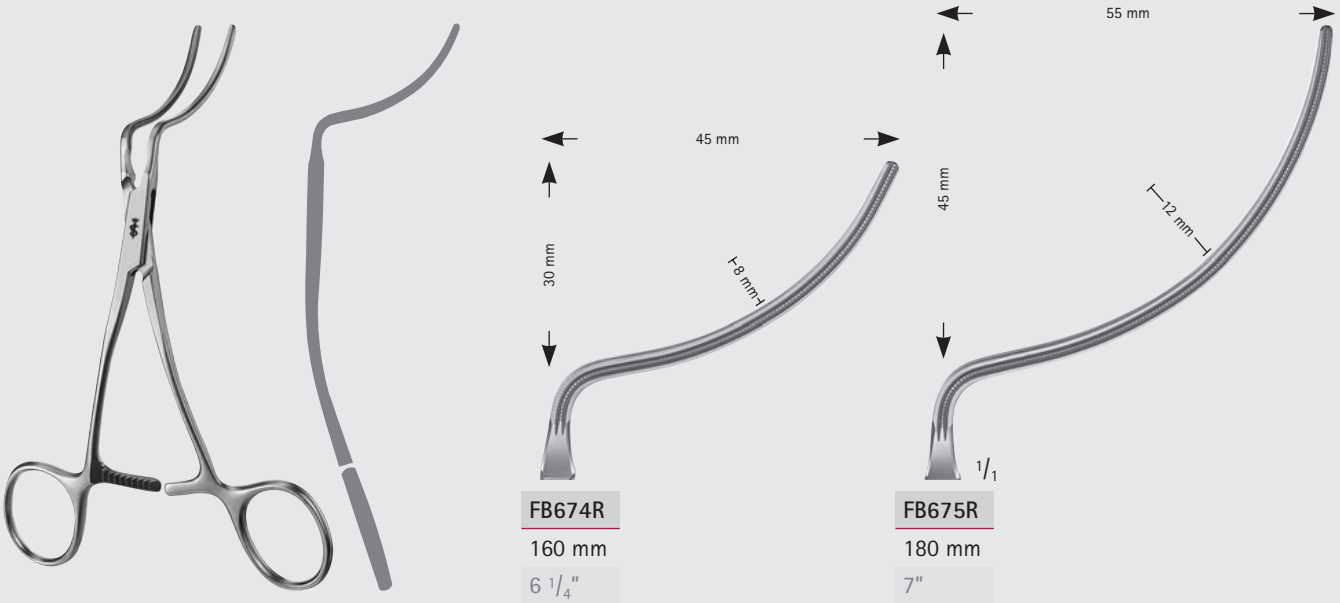
FB672R
160 mm
6 1/4"

FB673R
180 mm
7"

WYLIE

FB672R–FB673R

Shanks curved up
Stangen nach oben gebogen



FB674R
160 mm
6 1/4"

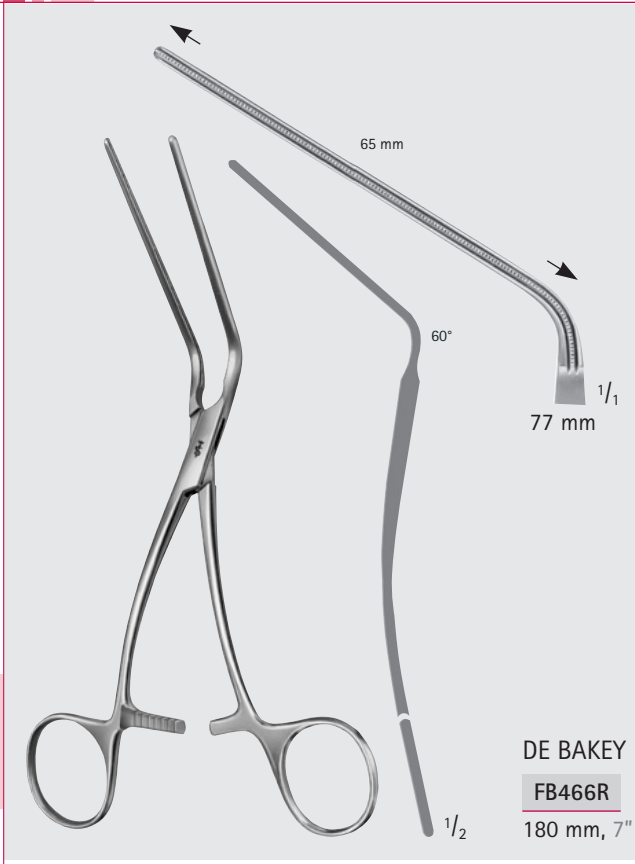
FB675R
180 mm
7"

WYLIE

FB674R–FB675R

Shanks curved down
Stangen nach unten gebogen

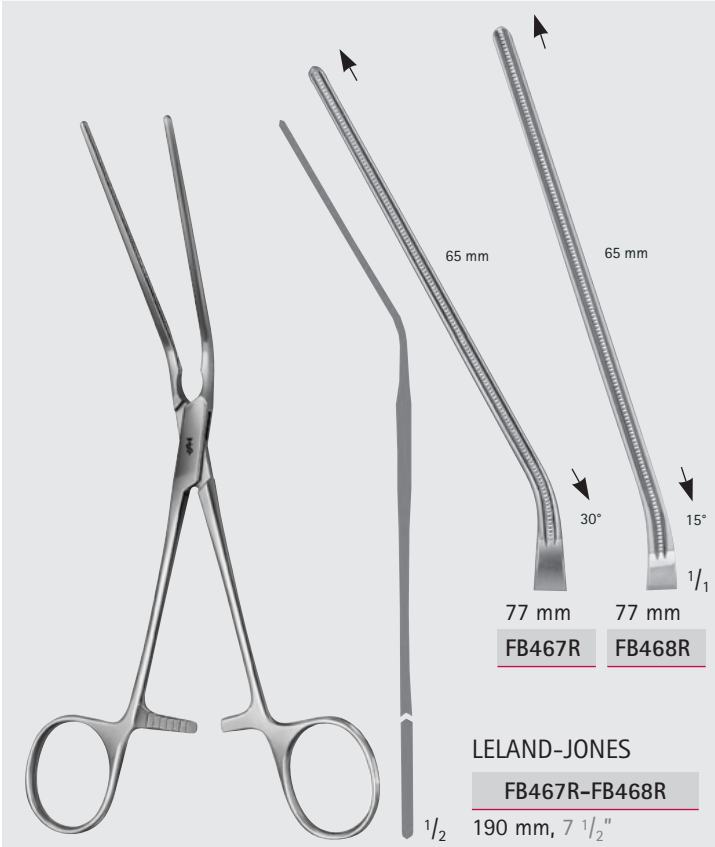
MILLIMETERS



DE BAKEY

FB466R

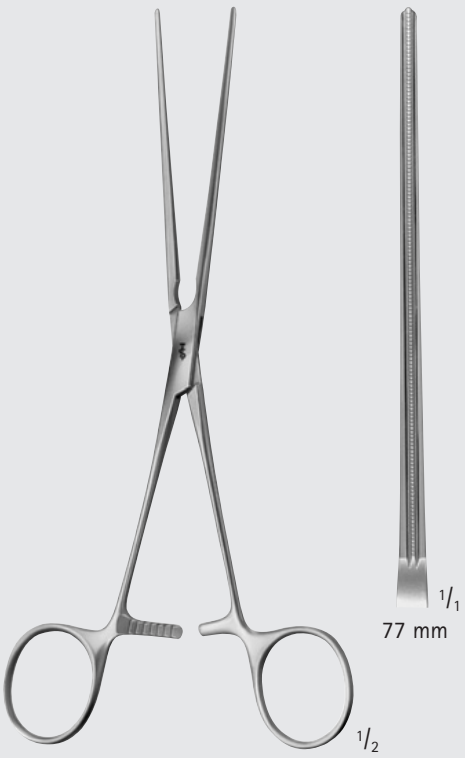
180 mm, 7"



LELAND-JONES

FB467R-FB468R

190 mm, 7 1/2"



LELAND-JONES

FB469R

195 mm, 7 3/4"

DE BAKEY

FB470R

Iliac clamp

Iliaca-Klemme

200 mm, 8"

WERTHEIM

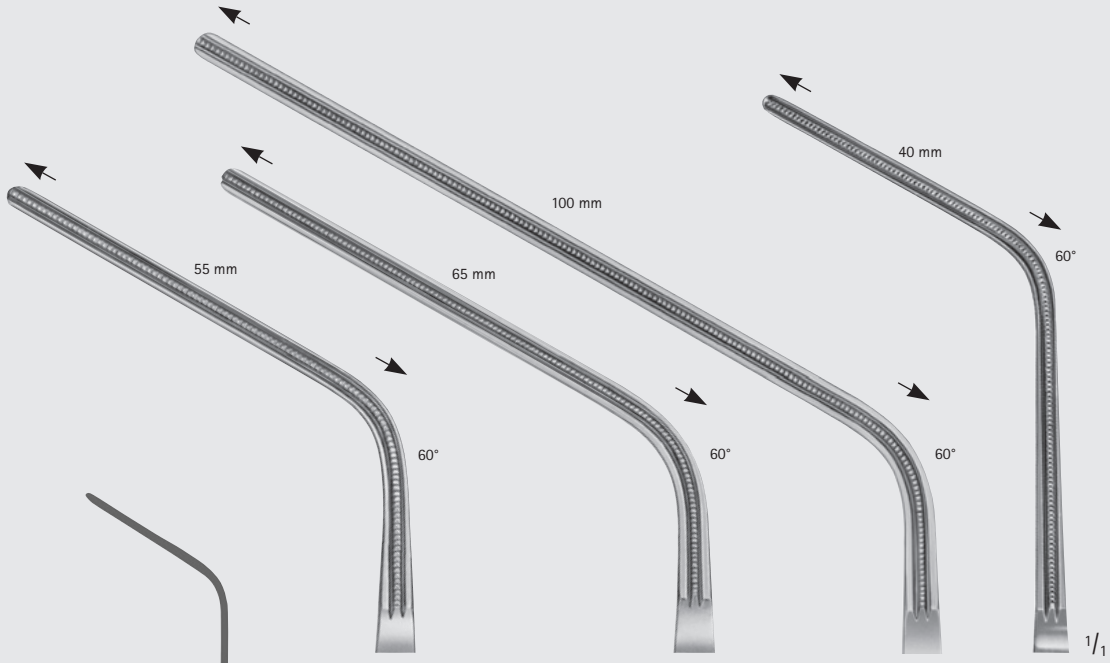
BJ581R

250 mm, 10"

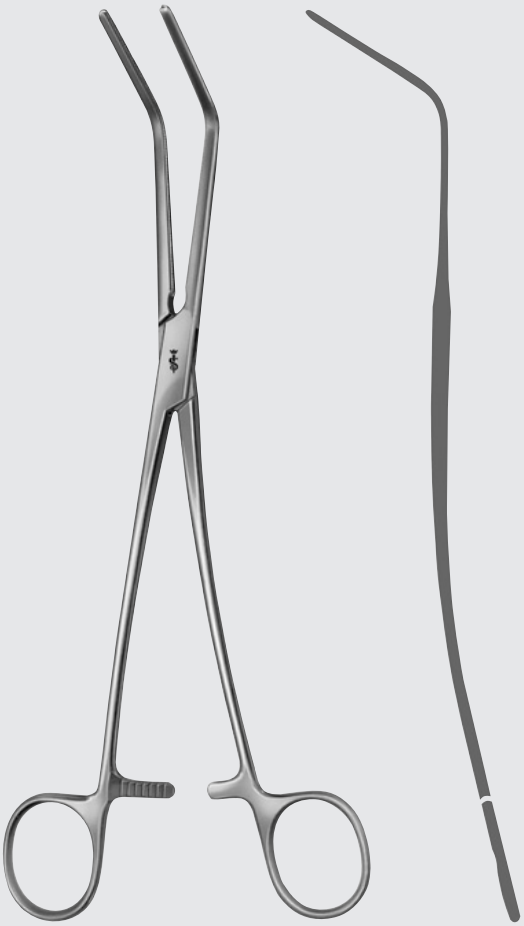
78 mm	88 mm	98 mm
FB956R	FB957R	FB958R
255 mm	265 mm	275 mm
10"	10 1/2"	10 3/4"

DICK

FB956R–FB958R



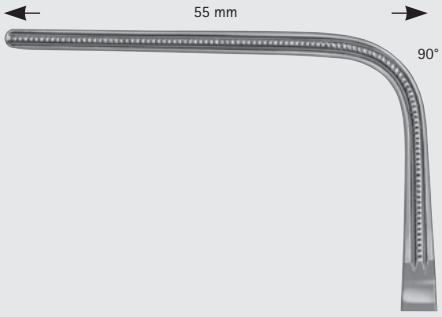
85 mm	100 mm	135 mm	93 mm
FB511R	FB512R	FB513R	FB510R
230 mm	280 mm	305 mm	240 mm
9"	11"	12"	9 1/2"



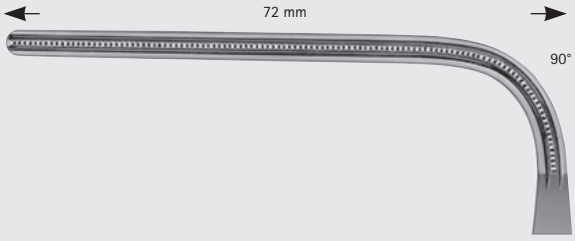
DE BAKEY

FB510R–FB513R

93 mm
FB515R
225 mm
9"



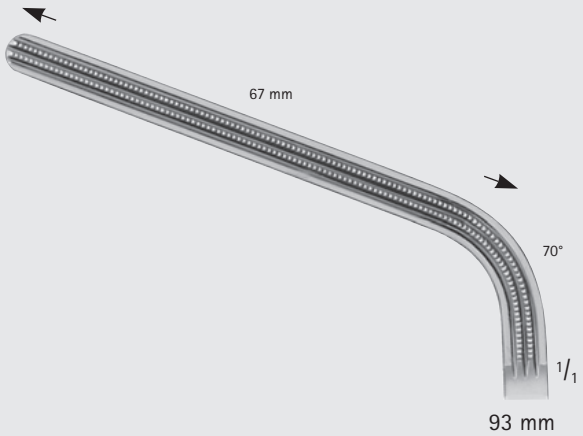
85 mm
FB516R
210 mm
8 1/4"



92 mm
FB517R
255 mm
10"

1/1
134 mm
FB518R
275 mm
10 3/4"

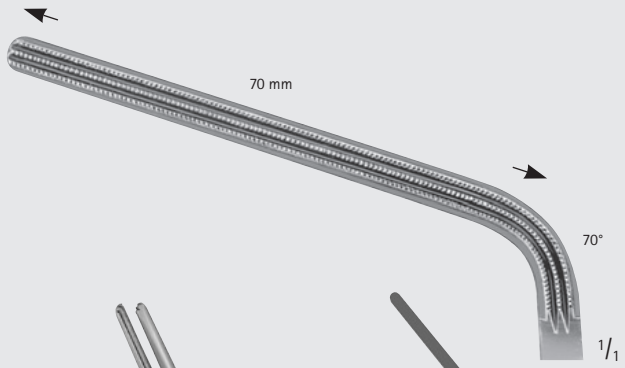
DE BAKEY
FB515R–FB518R



MORRIS

FB493R

175 mm, 7"



DE BAKEY (MORRIS MODIF.)

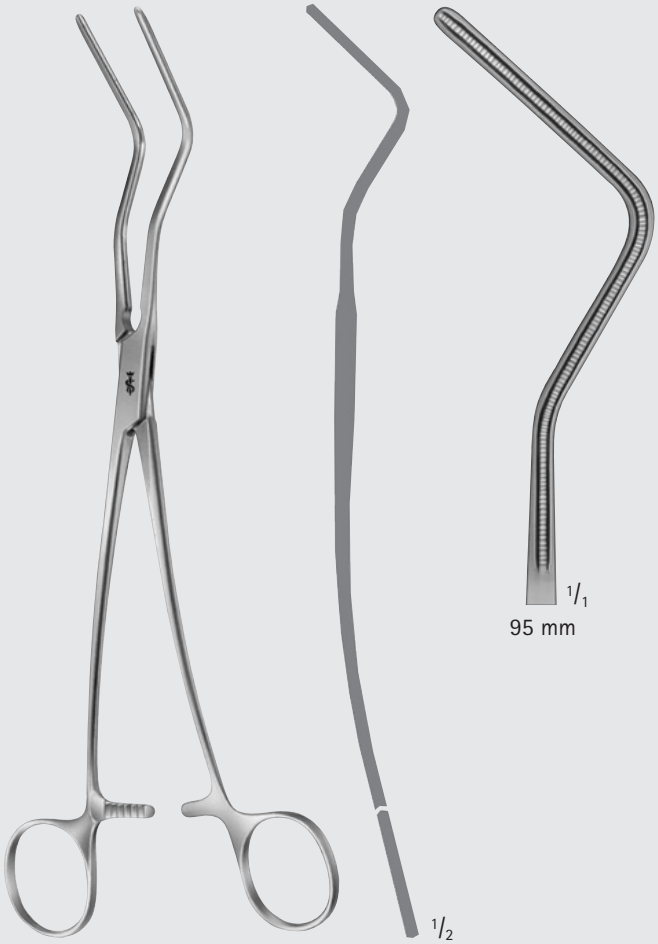
FB494R

240 mm, 9"

LEES

FB573R

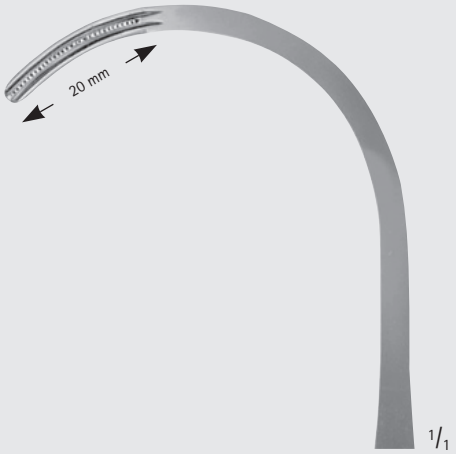
220 mm, 8 3/4"



LEES

FB574R

245 mm, 9 3/4"

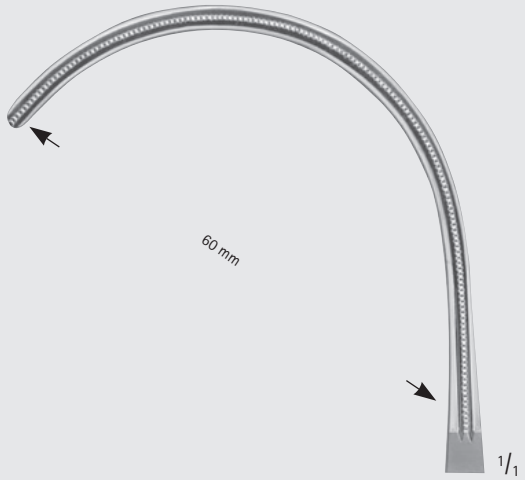


100 mm

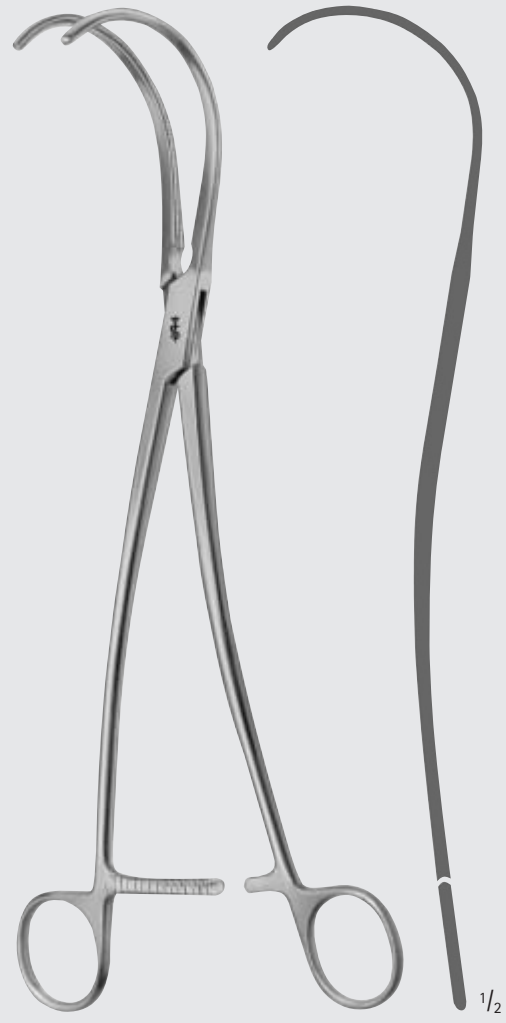
DE BAKEY (SEMB MODIF.)

FB482R

265 mm, 10 1/2"



111 mm



DE BAKEY

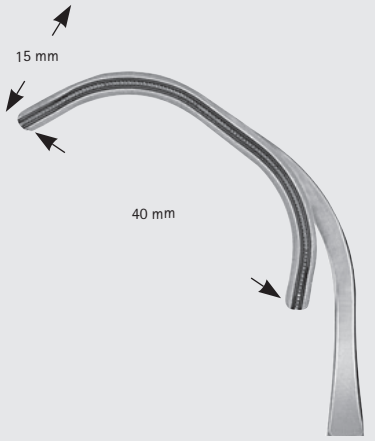
FB481R

270 mm, 10 3/4"

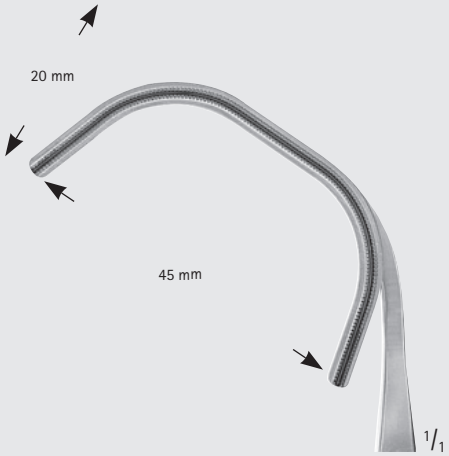
LEMOLE-STRONG

FB618R–FB619R

200 mm, 8"



FB618R



FB619R

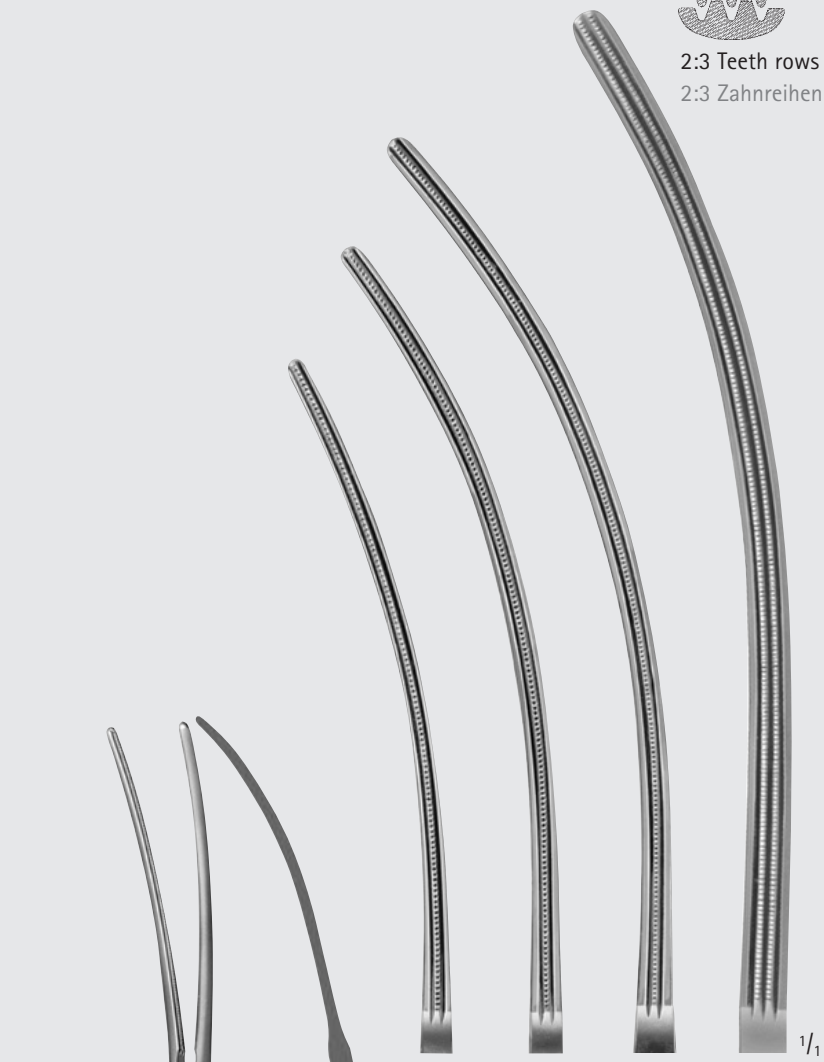
70 mm	75 mm	85 mm
FB476R	FB477R	FB478R
255 mm	265 mm	280 mm
10"	10 1/2"	11"

DE BAKEY

FB476R–FB478R

INCHES

2:3 Teeth rows
2:3 Zahnreihen



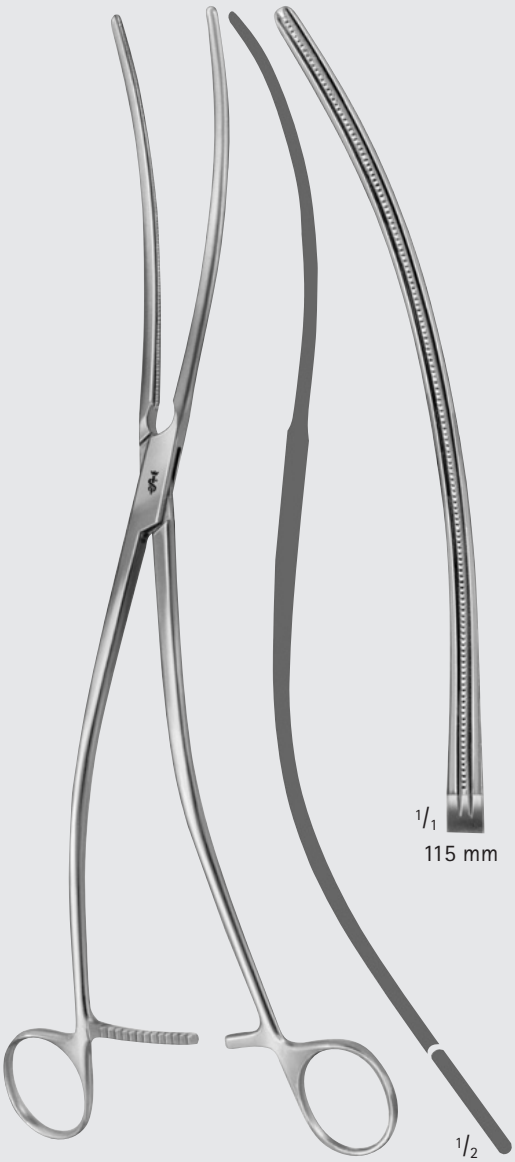
1/1

95 mm	110 mm	130 mm	140 mm
FB471R	FB472R	FB473R	FB480R
250 mm	300 mm	315 mm	330 mm
10"	12"	12 1/2"	13"

1/2

DE BAKEY

FB471R–FB480R



1/1
115 mm

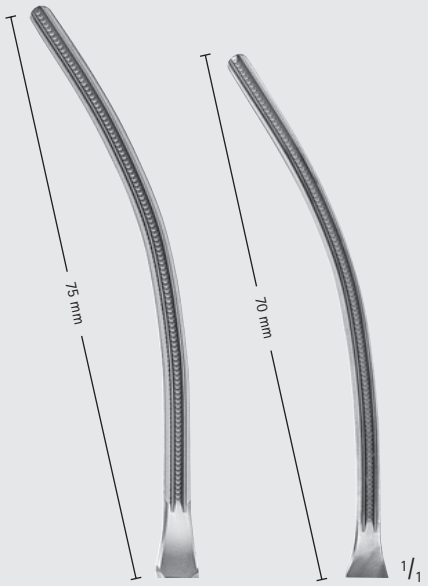
1/2

DE BAKEY

FB475R

300 mm, 12"

MILLIMETERS

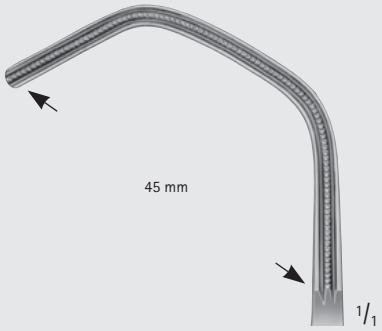


1/1

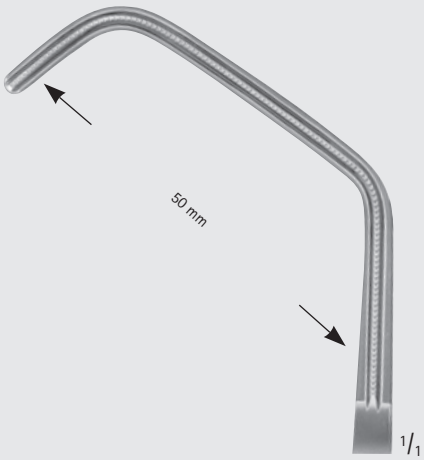
75 mm	70 mm
MB240	MB241
250 mm	215 mm
10"	8 1/2"

WYLIE

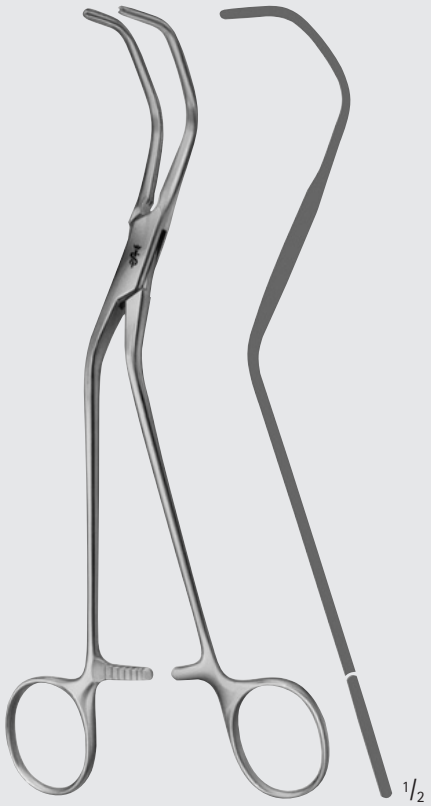
MB240-MB241



75 mm



93 mm



DIETHRICH

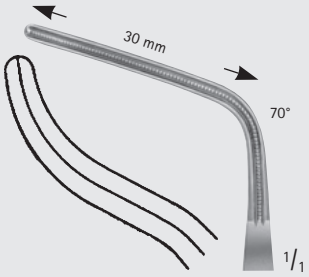
FB525R

210 mm, 8 1/4"

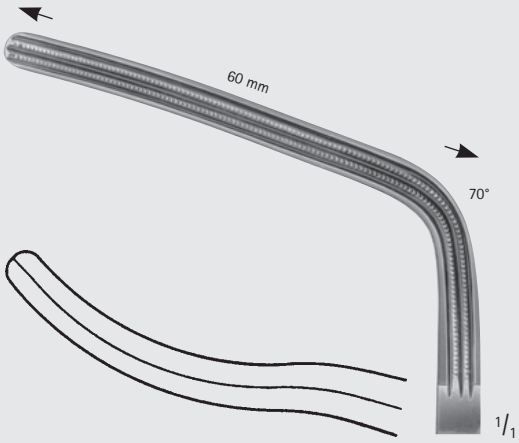
OCHSNER

FB495R

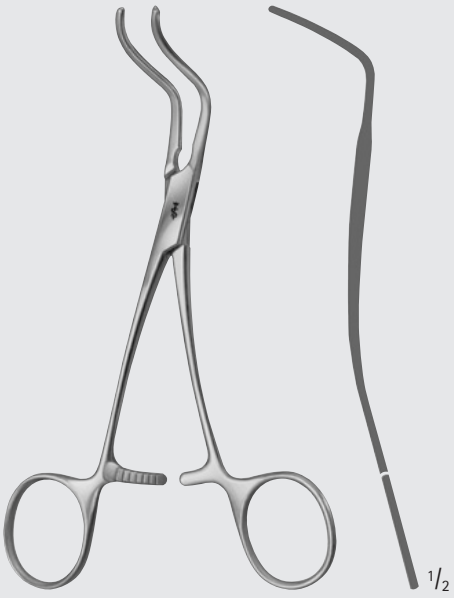
260 mm, 10 1/4"



53 mm



95 mm



SUBRAMANIAN (MODIF.)

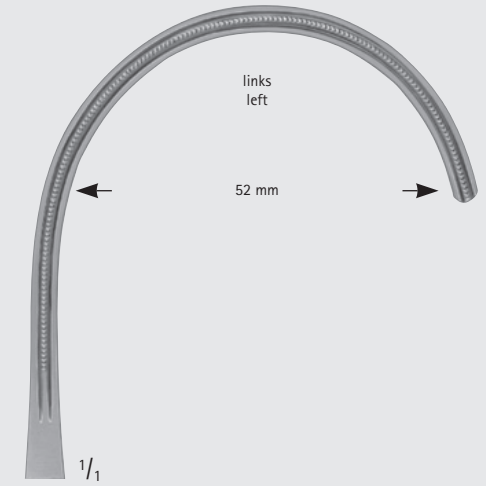
FB578R

155 mm, 6"

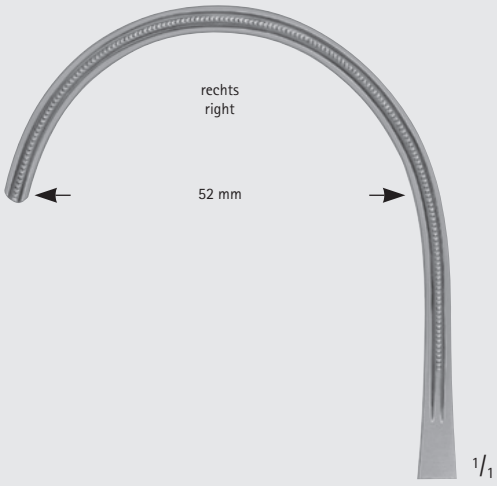
DE BAKEY

FB576R

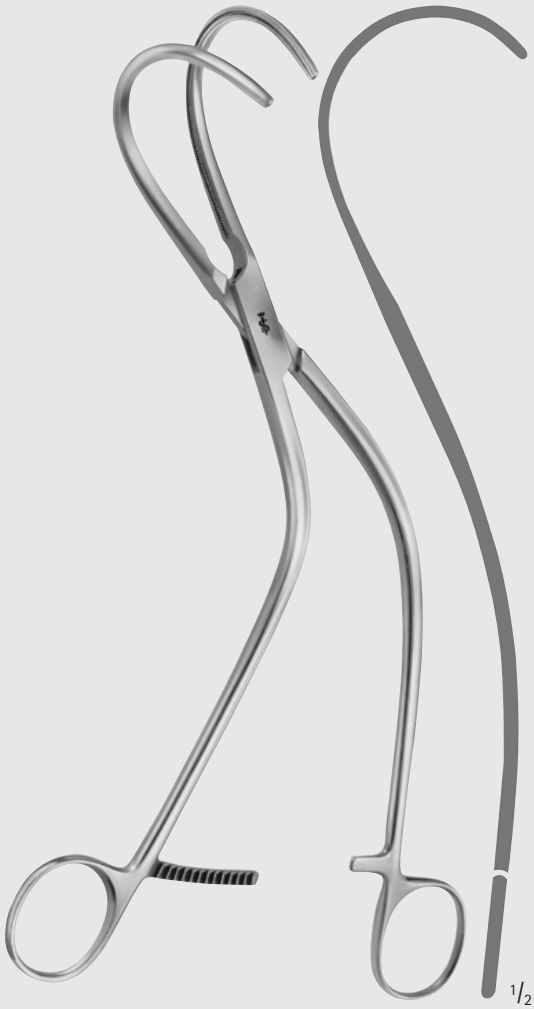
265 mm, 10 1/2"



1/1
113 mm



1/1
113 mm



1/2

WEBER

FB488R

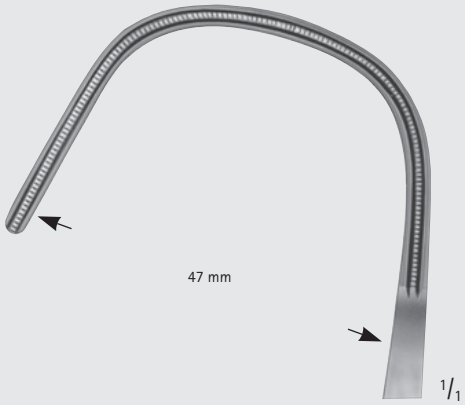
260 mm, 10 1/4"

1/2

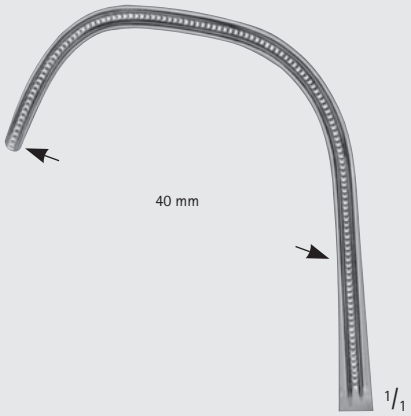
WEBER

FB489R

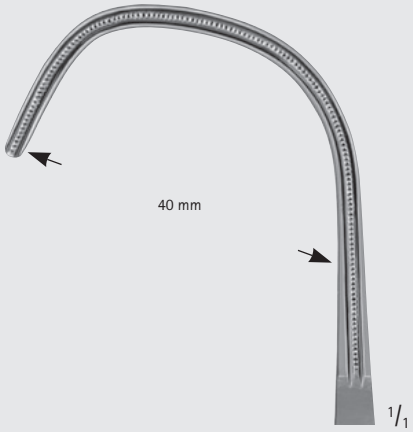
260 mm, 10 1/4"



100 mm



93 mm



97 mm

LAMBERT-KAY

FB492R

210 mm, 8 1/4"

LAMBERT-KAY

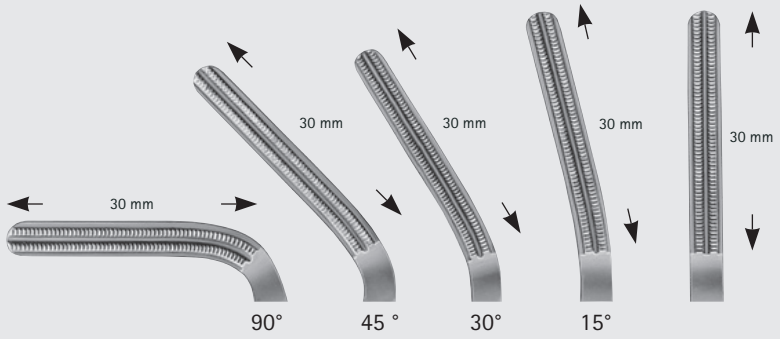
FB490R

215 mm, 8 1/2"

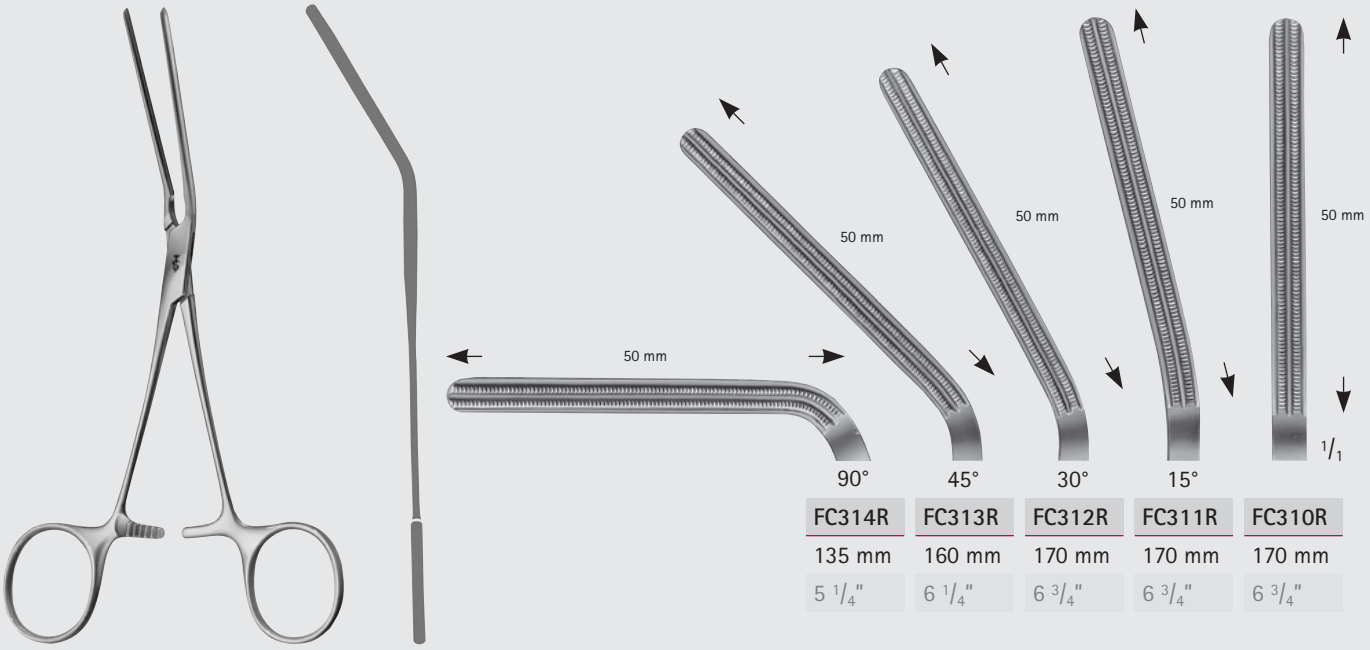
DE BAKEY (MOD. LAMBERT)

FB491R

255 mm, 10"



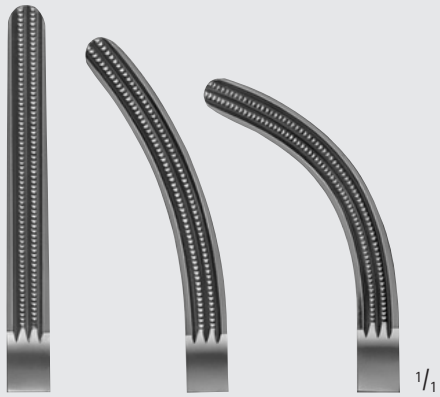
FC304R	FC303R	FC302R	FC301R	FC300R
130 mm	145 mm	150 mm	150 mm	150 mm
5 1/8"	5 3/4"	6"	6"	6"



FC314R	FC313R	FC312R	FC311R	FC310R
135 mm	160 mm	170 mm	170 mm	170 mm
5 1/4"	6 1/4"	6 3/4"	6 3/4"	6 3/4"

FC300R-FC314R

MILLIMETERS



1/1

BJ530R	BJ531R	BJ532R
225 mm	220 mm	215 mm
9"	8 3/4"	8 1/2"

HEANEY

BJ530R–BJ532R

BJ550R	BJ551R	BJ552R	BJ553R
250 mm	245 mm	240 mm	220 mm
10"	9 3/4"	9 1/2"	8 3/4"

1/1

WERTHEIM

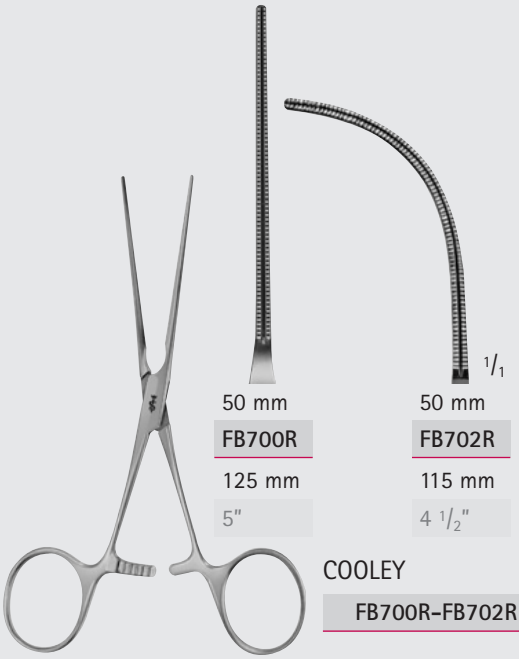
BJ550R–BJ553R

Vascular Instruments – Gefäßinstrumente

Atraumatic Vascular Clamps

Atraumatische Gefäßklemmen

ATRAUMATA®



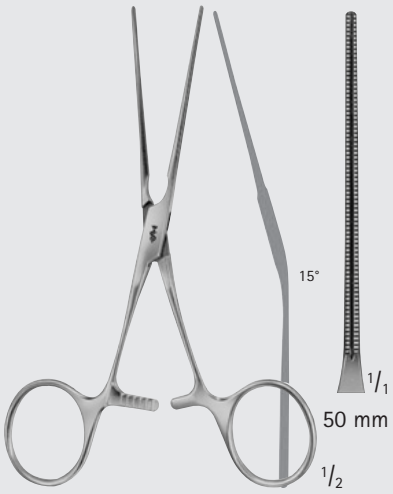
COOLEY

FB700R–FB702R

COOLEY

FB707R

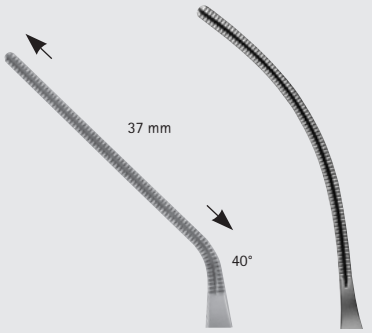
100 mm, 4"



COOLEY

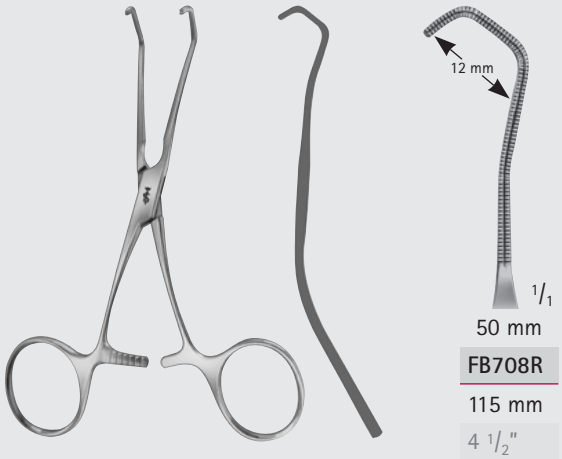
FB701R

125 mm, 5"



COOLEY

FB704R–FB706R



COOLEY

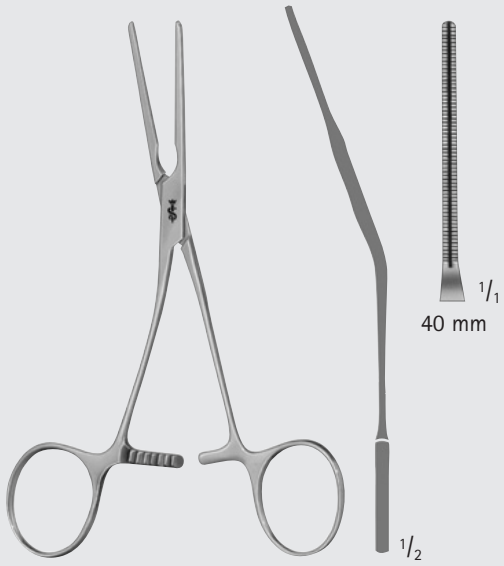
FB705R–FB708R

INCHES

COOLEY

FB741R

145 mm, 5 3/4"



COOLEY

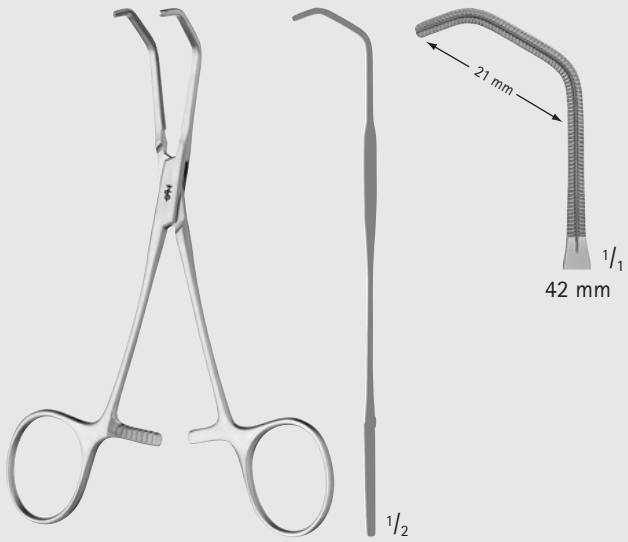
FB742R

140 mm, 5 1/2"

COOLEY

FB743R

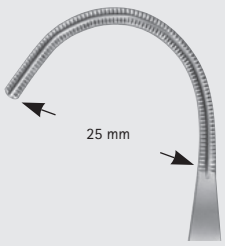
145 mm, 5 3/4"

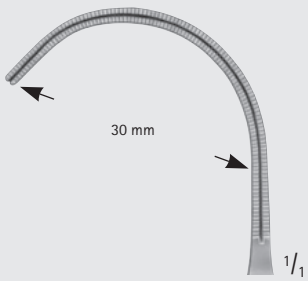


SATINSKY

MB613R

140 mm, 5 1/2"

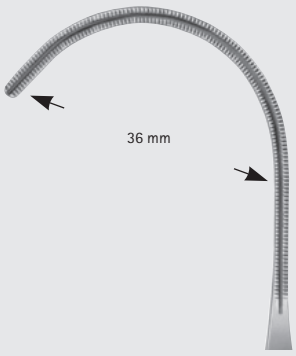


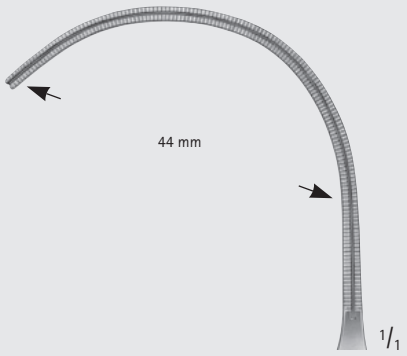


56 mm
FB731R
150 mm
6″

63 mm
FB732R
155 mm
6″

COOLEY-BECK
FB731R–FB732R

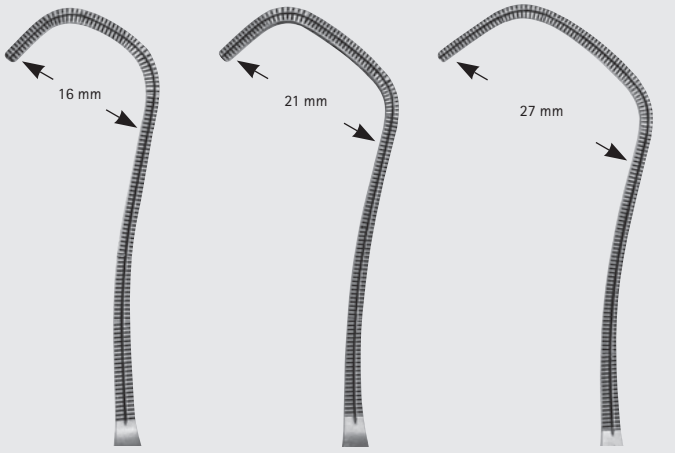




82 mm
FB734R

82 mm
FB735R

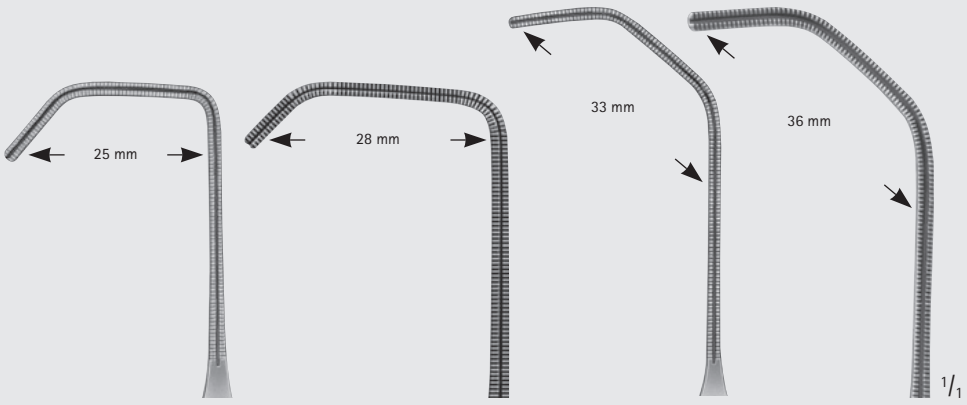
COOLEY
FB734R–FB735R
170 mm, 6 3/4″



71 mm	76 mm	80 mm
FB725R	FB726R	FB727R
170 mm	175 mm	175 mm
6 3/4"	7"	7"

DERRA-COOLEY

FB725R–FB727R

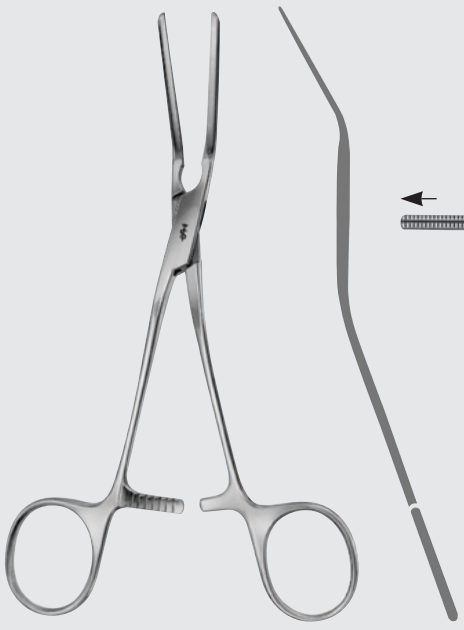


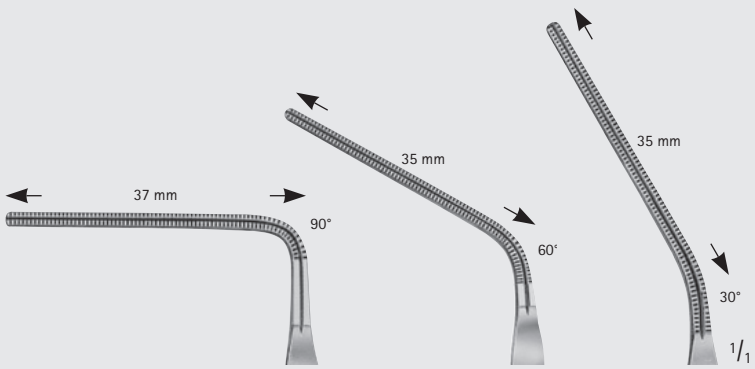
72 mm	76 mm	72 mm	76 mm
FB721R	FB722R	FB723R	FB724R
165 mm	165 mm	175 mm	180 mm
6 1/2"	6 1/2"	7"	7"

COOLEY

FB721R–FB724R

MILLIMETERS

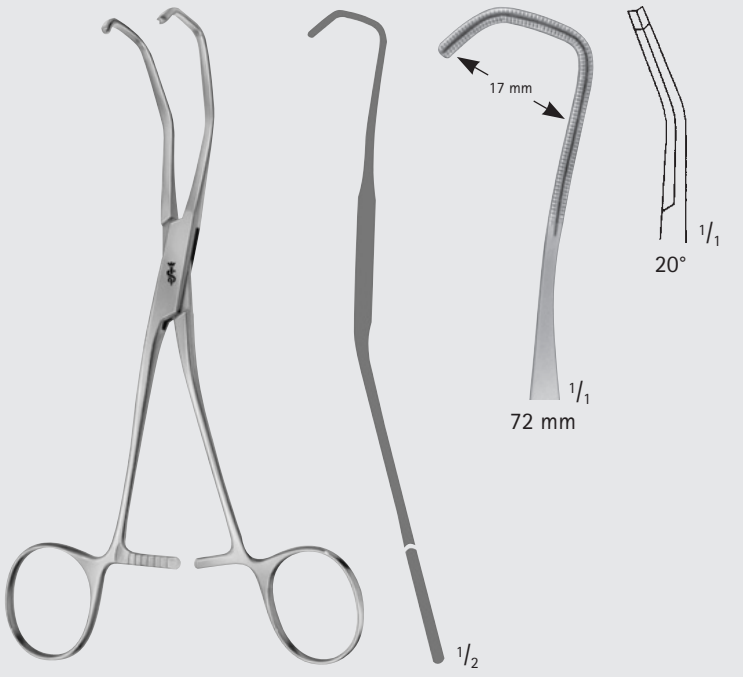




FB719R	FB718R	FB717R
150 mm	160 mm	165 mm
6"	6 1/4"	6 1/2"

COOLEY

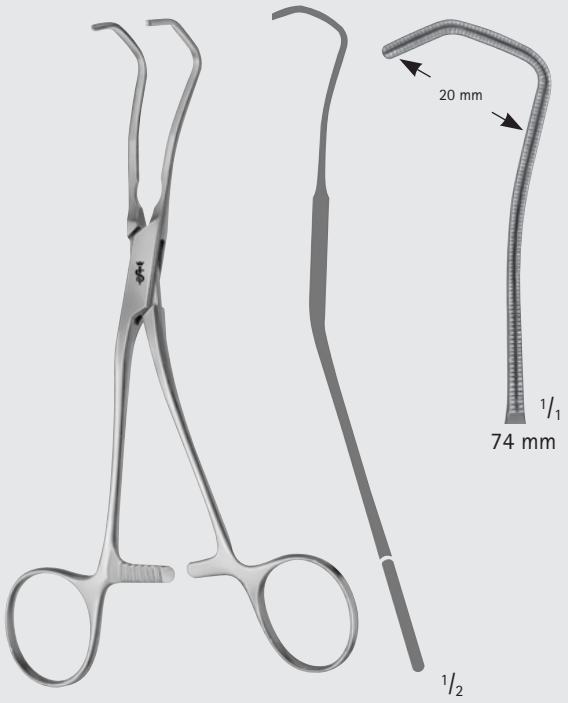
FB717R–FB719R



COOLEY

FB729R

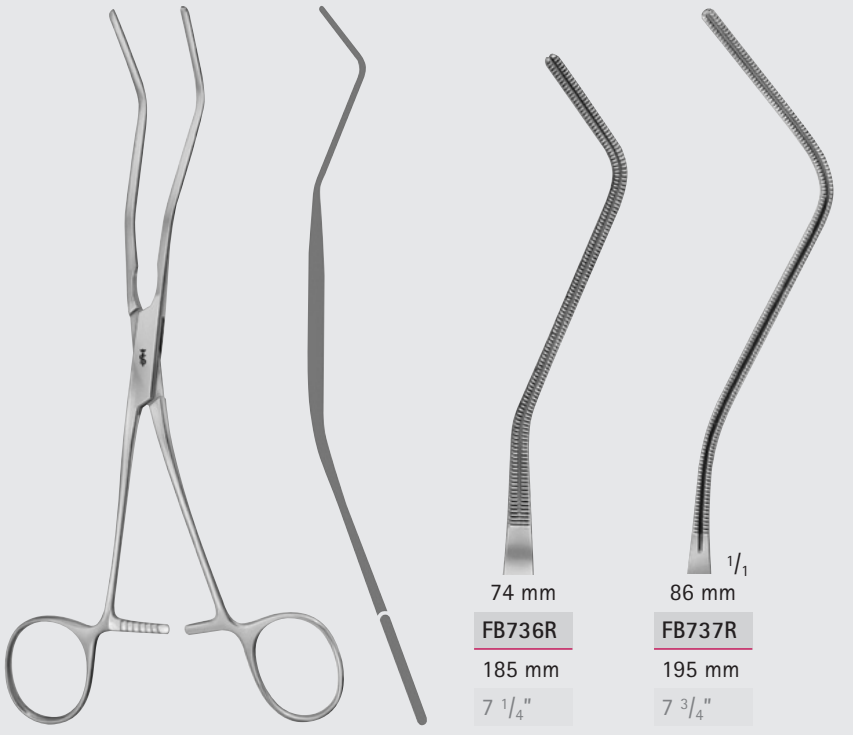
170 mm, 6 3/4"



COOLEY

FB730R

175 mm, 7"



FB736R	FB737R
185 mm	195 mm
7 1/4"	7 3/4"

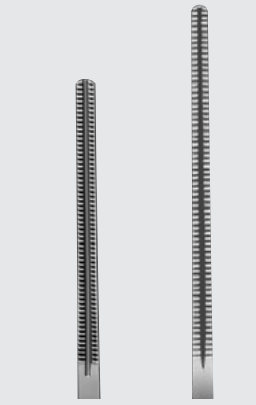
COOLEY

FB736R–FB737R

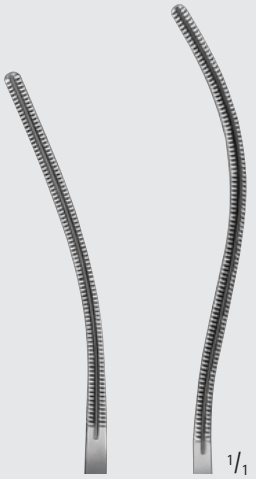
Toothing COOLEY

ATRAUMATA®

COOLEY Zahnung



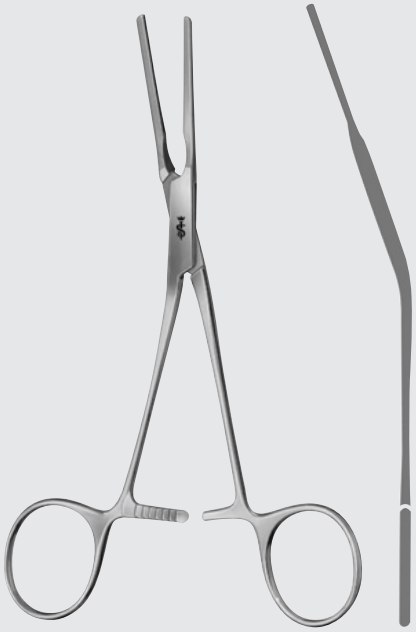
41 mm	52 mm
FB710R	FB712R
160 mm	170 mm
6 1/4"	6 3/4"



52 mm	63 mm
FB713R	FB715R
180 mm	180 mm
7"	7"

COOLEY

FB710R–FB715R



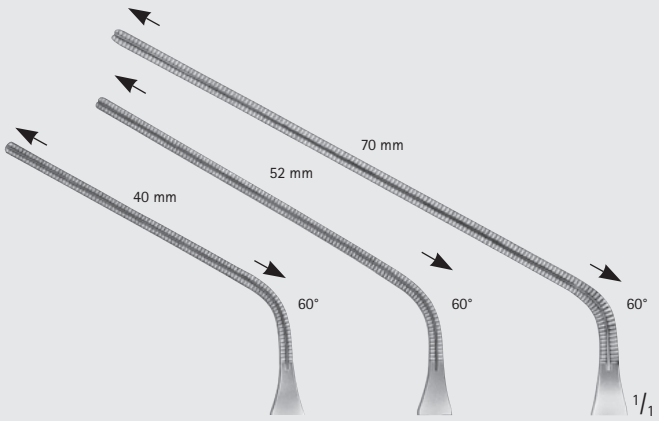
41 mm	52 mm
FB711R	FB714R
160 mm	170 mm
6 1/4"	6 3/4"

COOLEY

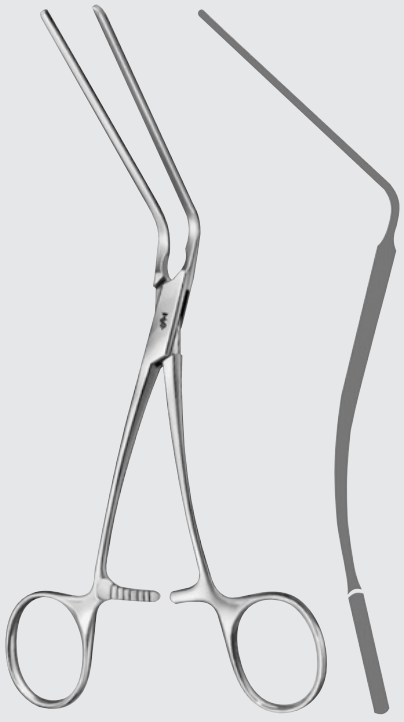
FB711R–FB714R

Vascular Instruments – Gefäßinstrumente

Atraumatic Vascular Clamps
Atraumatische Gefäßklemmen

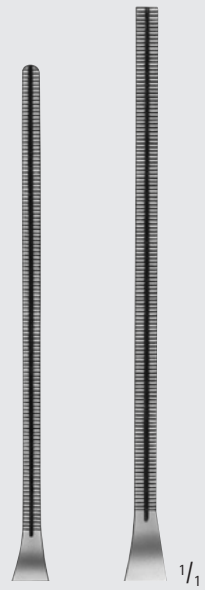


57 mm	67 mm	82 mm
FB754R	FB755R	FB756R
165 mm	170 mm	185 mm
6 1/2"	6 3/4"	7 1/4"

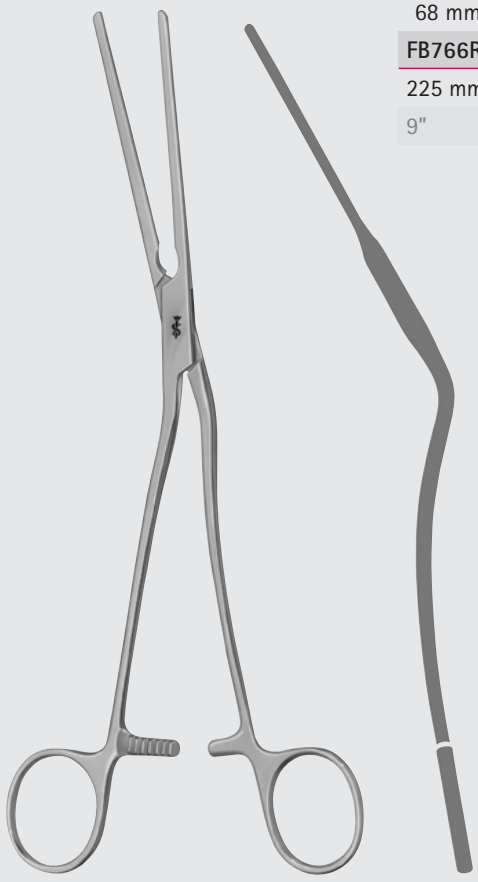


COOLEY

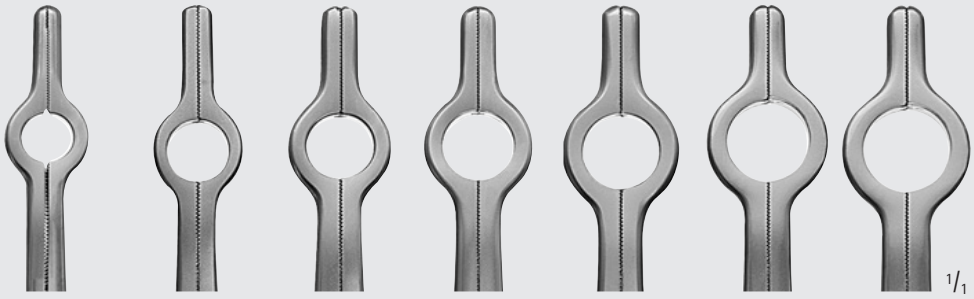
FB754R–FB756R



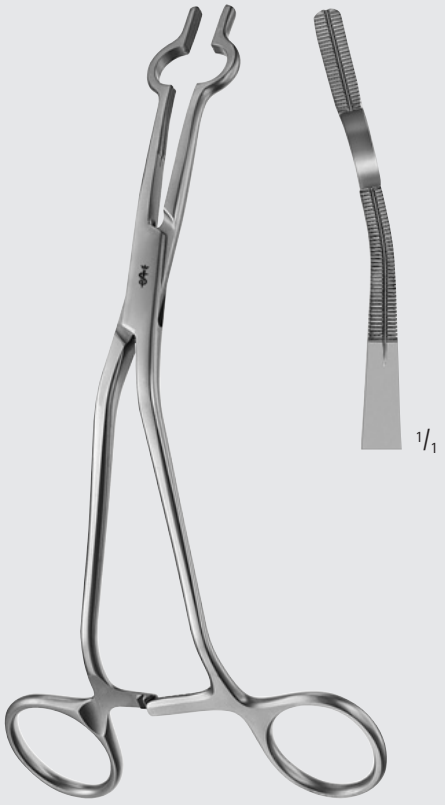
68 mm	75 mm
FB766R	FB767R
225 mm	270 mm
9"	10 3/4"

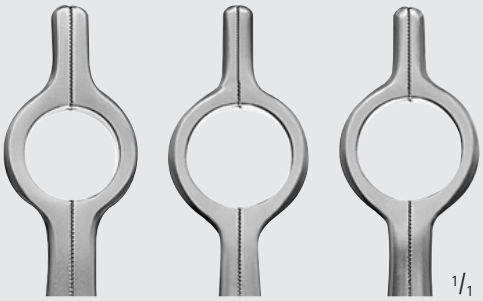


FB766R–FB767R



	FB640R	FB641R	FB642R	MB580R	FB644R	MB581R	MB582R
Charr.	20	24	26	28	30	32	34
	160 mm	160 mm	190 mm	190 mm	190 mm	190 mm	190 mm
	6 1/4"	6 1/4"	7 1/2"	7 1/2"	7 1/2"	7 1/2"	7 1/2"





	FB647R	FB648R	FB649R
Charr.	36	38	40
	190 mm	190 mm	190 mm
	7 1/2"	7 1/2"	7 1/2"

COOLEY

FB640R–MB582R

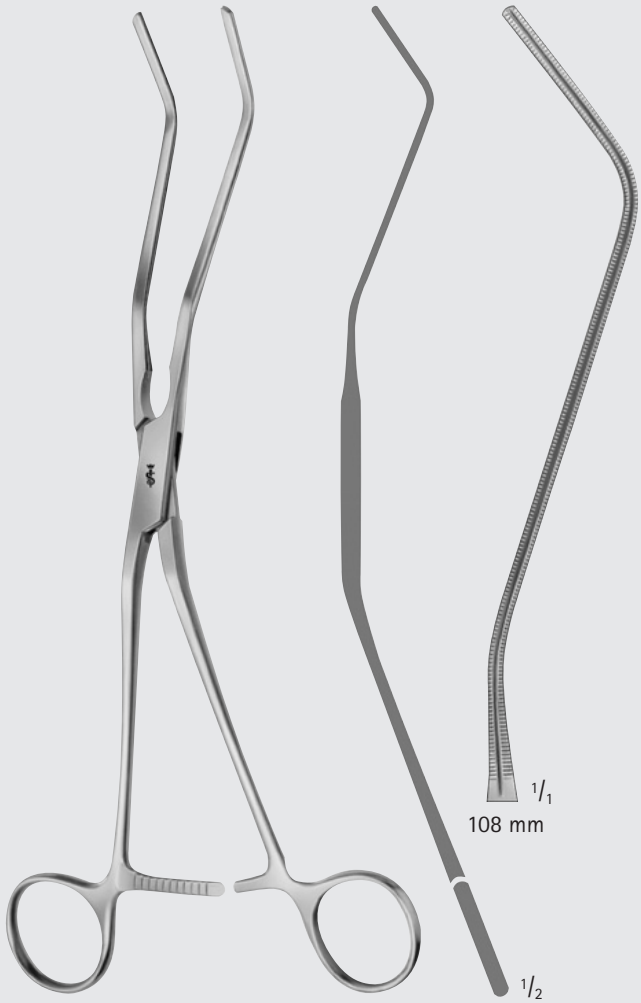
Cava occlusion clamps

Cava Verschlussklemmen

LEITZ

FB795R

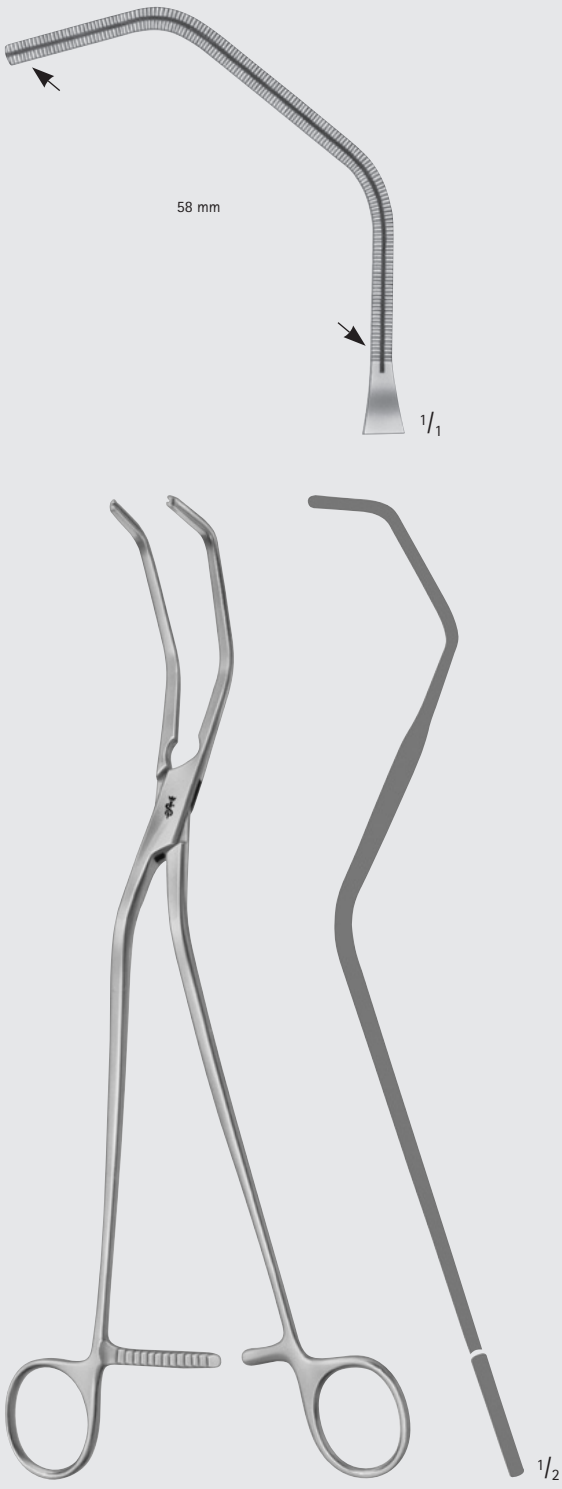
205 mm, 8"



COOLEY

FB738R

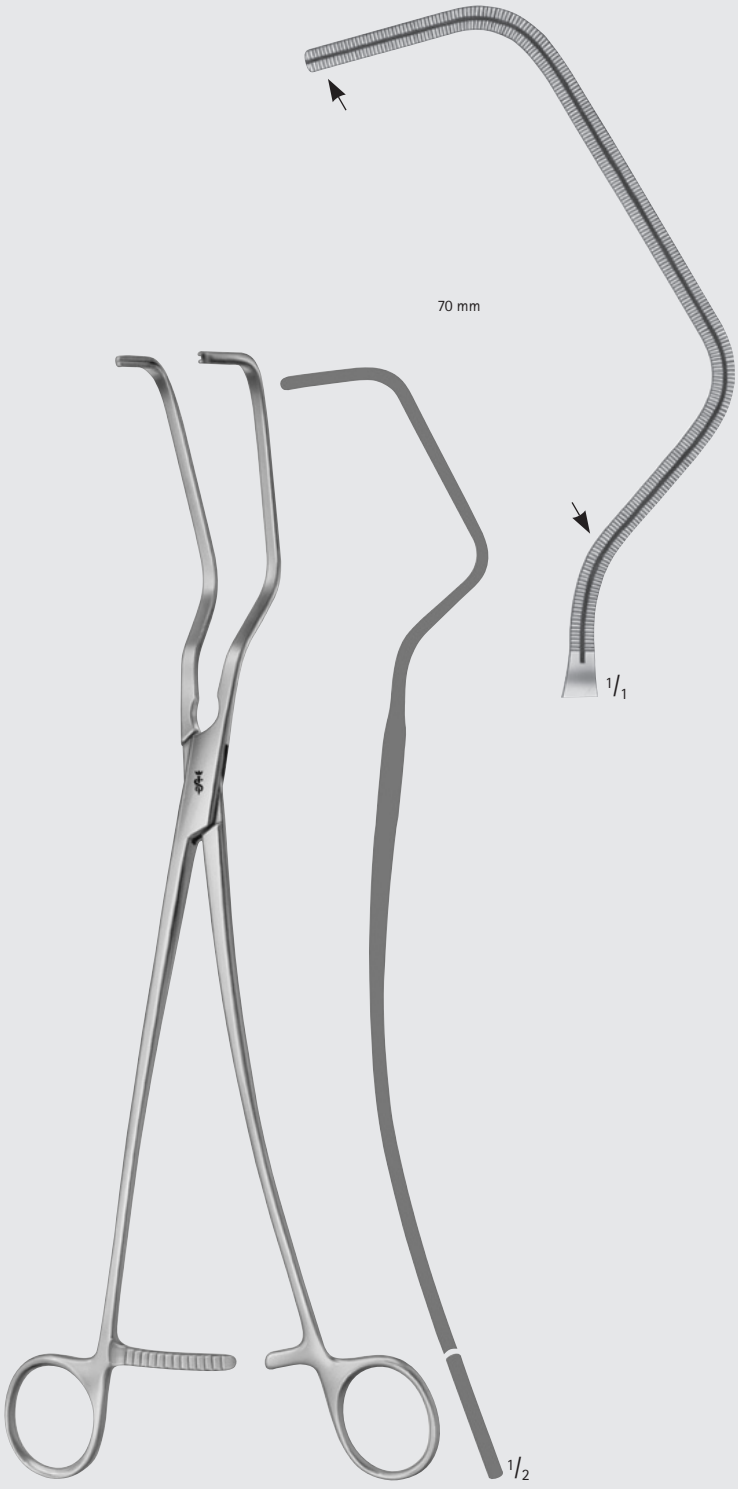
260 mm, 10 3/4"



COOLEY

FB773R

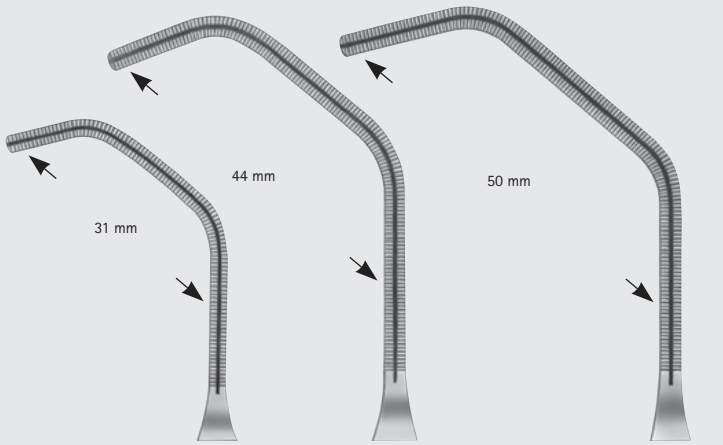
260 mm, 10 1/4"



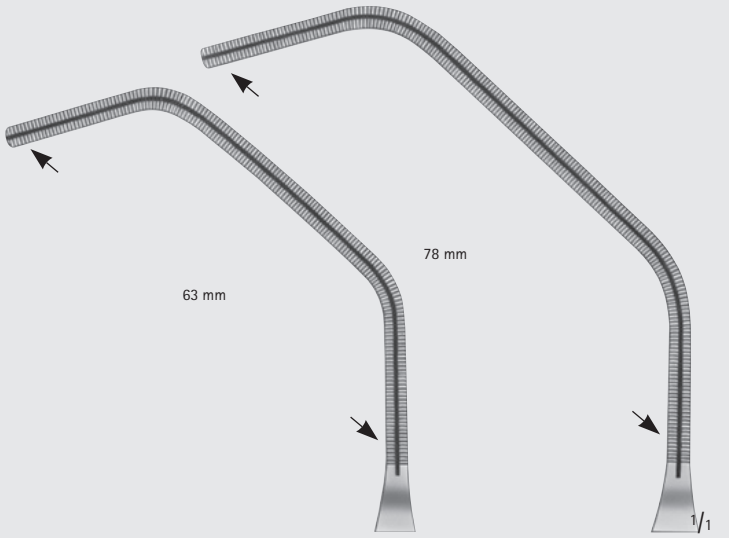
PARRY-COOLEY

FB775R

295 mm, 11 3/4"



FB776R	FB777R	FB778R
205 mm	260 mm	265 mm
8"	10 1/4"	10 1/2"



FB779R	FB780R
265 mm	275 mm
10 1/2"	10 3/4"

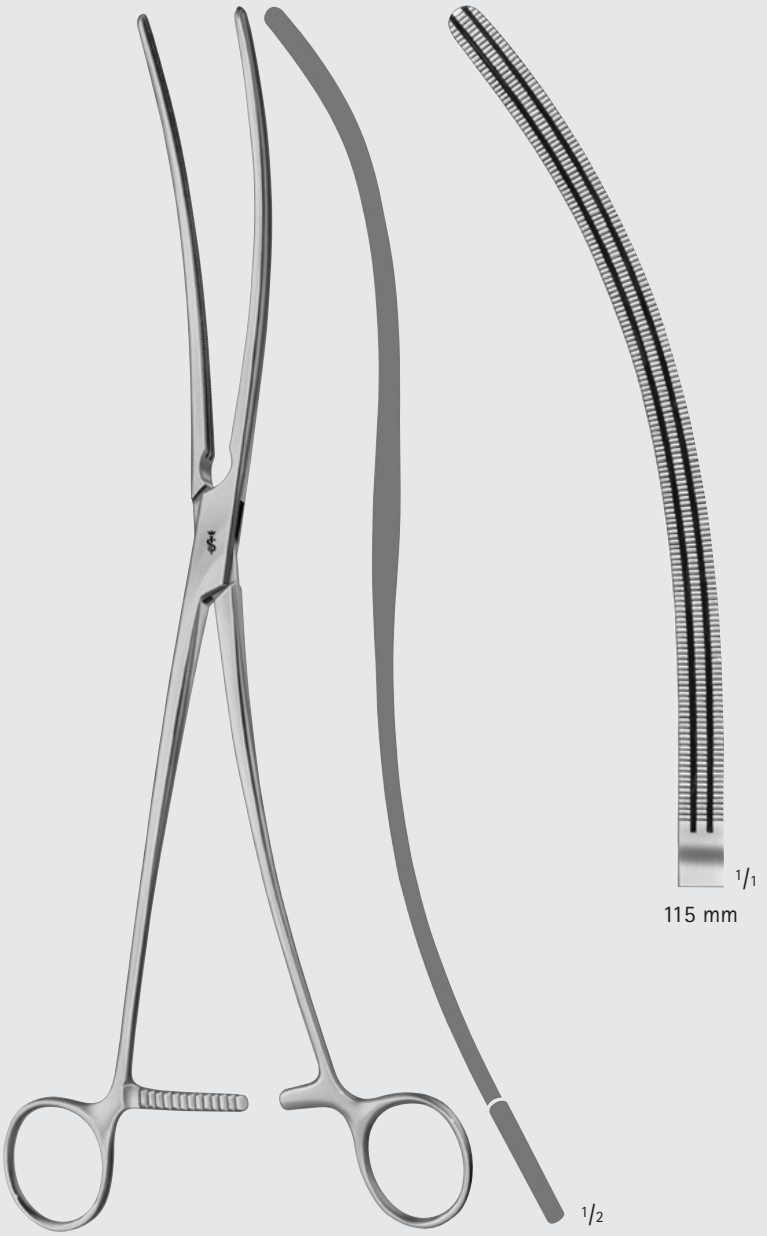
COOLEY

FB776R–FB780R

MILLIMETERS

Toothing COOLEY

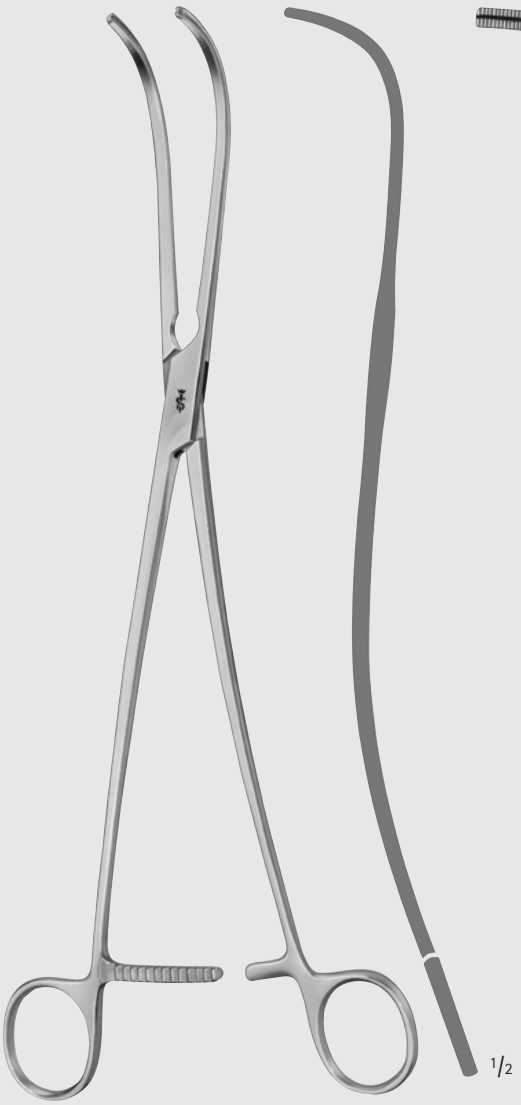
COOLEY Zahnung



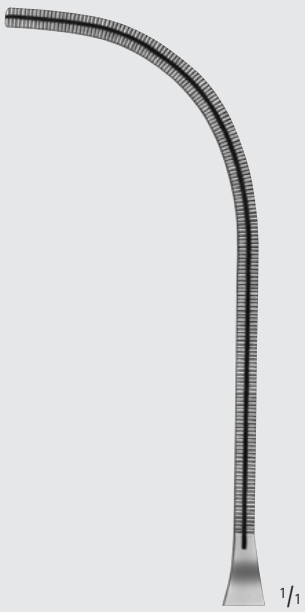
COOLEY

FB764R

320 mm, 12 3/4"



1/2



1/1

82 mm

COOLEY

FB765R

285 mm, 11 1/4"

CRAFOORD-SELLORS

FB633R

elastic

federnd

240 mm, 9 1/2"

CRAFOORD

FB634R–FB635R

240 mm, 9 1/2"

FB634R

elastic

federnd

FB635R

BABY-SATINSKY

FB600R

Anastomosis clamp

Anastomosen-Klemme

150 mm, 6"

SATINSKY

FB602R

Anastomosis clamp

Anastomosen-Klemme

265 mm, 10 1/2"

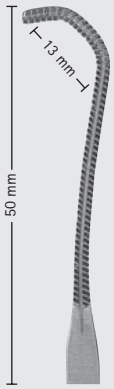
SATINSKY

FB604R-FB605R

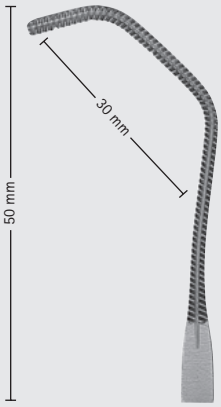
Anastomosis clamps

Anastomosen-Klemmen

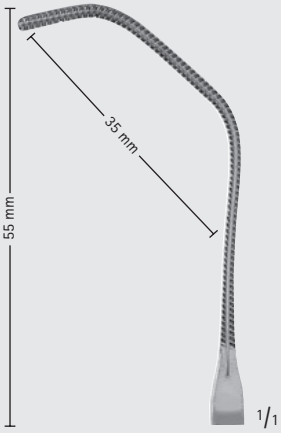
265 mm, 10 1/2"



MB743R
210 mm
8 1/4"



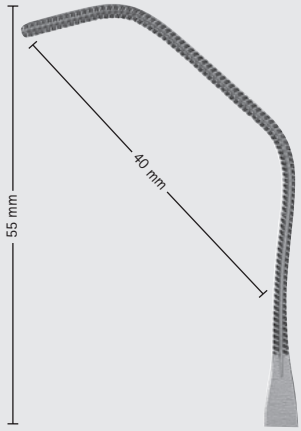
MB744R
215 mm
8 1/2"



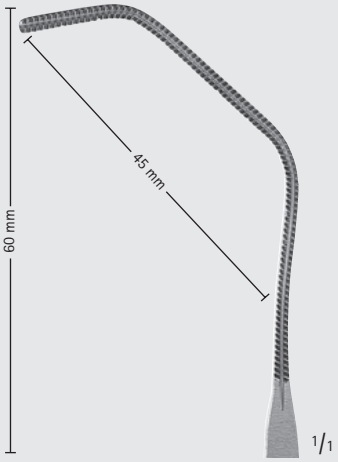
MB745R
215 mm
8 1/2"

HENDREN

MB743R–MB747R



MB746R
220 mm
8 3/4"



MB747R
220 mm
8 3/4"

BORST

FB940R

Forceps for efficient tissue gluing in aortic dissection

Klemme für eine effiziente Verklebung von Gewebeschichten bei der Aortendissektion

215 mm, 8 1/2"

Inner diam: 4 mm
Innen-Ø: 4 mm

MB238R

168 mm

6 5/8"

Inner diam: 6 mm
Innen-Ø: 6 mm

MB239R

180 mm

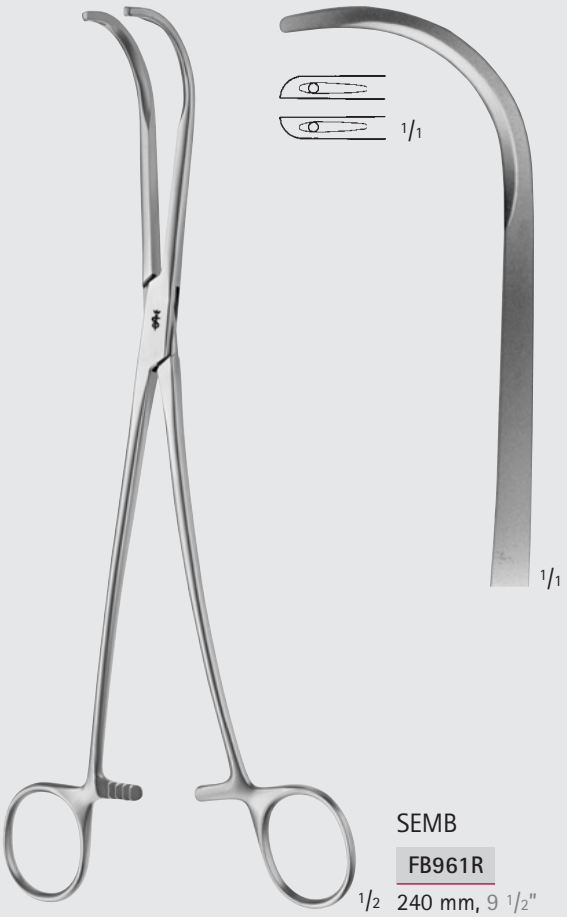
7"

JAVID

MB238R-MB239R

Carotid shunt clamps

Carotis Shunt Klemmen



SEMB

FB961R

240 mm, 9 1/2"

80 mm

FB955R

60 mm

FB954R

PRICE-THOMAS

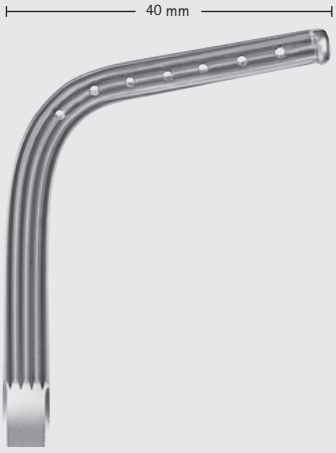
FB950R

225 mm, 9"

FB954R–FB955R

230 mm, 9"

1/2



1/1

right curved
rechts gebogen

SAROT

MB610R

230 mm, 9"

1/2

1/1

left curved
links gebogen

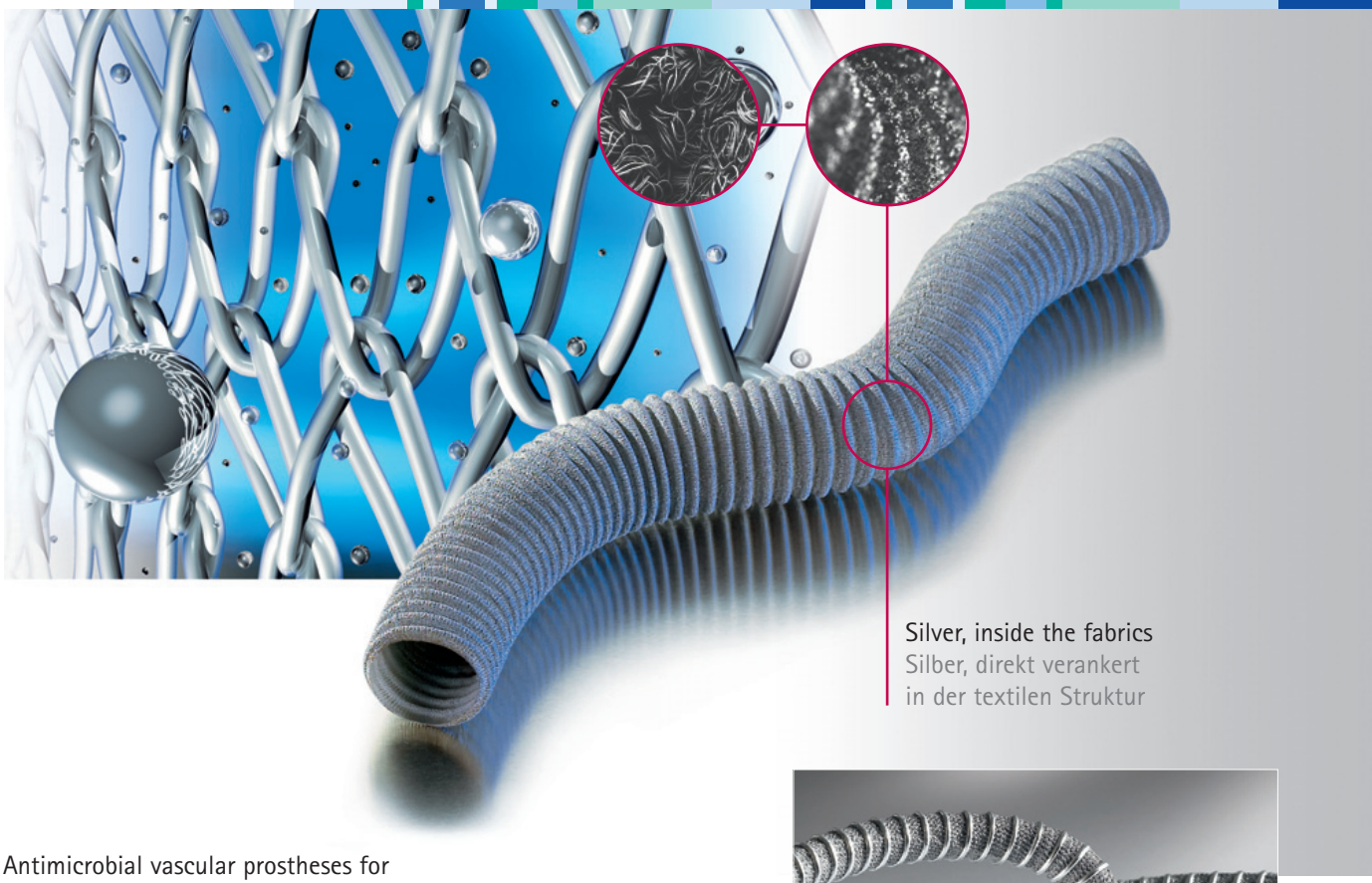
SAROT

MB608R

230 mm, 9"

MILLIMETERS

Silver Graft



Silver, inside the fabrics
Silber, direkt verankert in der textilen Struktur

Silver Graft helix supported
Silver Graft spiralverstärkt

Antimicrobial vascular prostheses for prophylactic long-term prevention

- patented antimicrobial graft surface
- inhibits long-term graft infection
- reduces the adhesion of bacteria
- protects against microorganisms
- demonstrates high biocompatibility
- supports complication-free healing

Prophylaktischer Langzeitschutz gegen Gefäßprotheseninfektionen

- Patentierte antimikrobielle Prothesenoberfläche
- Signifikante Verringerung der Anhaftung von Bakterien
- Langzeitschutz durch direkte Silbereinlagerung in die Textilfasern
- Komplikationsloses, reizarmes Einheilungsverhalten
- Sanfter und natürlicher Einheilungsprozess

Uni-Graft® K DV

Warp-knitted, double velour polyester prostheses, impregnated with gelatin

- true zero-porosity
- biocompatible aldehyde free impregnation technology
- double velour structure
- no preclotting

Gewirkt, Doppelvelourstruktur, Gelatineimprägnierung

- Null-Porosität
- Aldehydfreie Imprägnierung
- Doppelvelourstruktur
- Kein Preclotting

Uni-Graft® W Aortic Arch

Woven, impregnated with gelatin

- P.A.S.S. Technology
  (Permanent Arch Stabilizing System)
- adapted anatomical shape, which reduces surgery time
- different guidelines (1 and 3 lines) on different sides

Gewebt, Gelatineimprägnierung

- P.A.S.S. Technology
  (Permanentes Aortenbogen Stabilisierungssytem)
- Reduktion der Operationszeit dank guter anatomischer Form
- unterschiedliche Führungslinien (1- bzw. 3-fach) zur besseren Orientierung

Uni-Graft® W

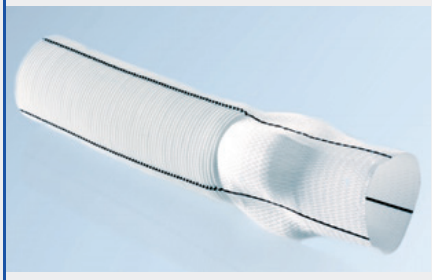
Woven, impregnated vascular prostheses

- true zero-porosity
- biocompatible aldehyde free impregnation technology
- two different guidelines for better orientation

Gewebt, Gelatineimprägnierung

- Null-Porosität
- Biokompatible, aldehydfreie Imprägnierung
- Zwei unterschiedliche Führungslinien zu besseren Orientierung

Uni-Graft® W Sinus



- seemless woven in one piece with integrated aortic sinus
- three guidelines
- no pleats in the annulus area
- outer velour for better tissue integration
- aerodynamic smooth surface inside

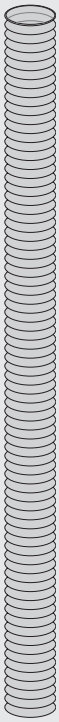
- Nahtlos in einem Stück gewebt mit integriertem Aortensinus
- Drei eingewebte Orientierungslinien
- Keine Plissierfalten im Anulus Bereich
- Äußere Velourschicht zur besseren Protheseneinheilung
- Strömungsgünstige, glatte Oberfläche auf der Protheseninnenseite

Silver Graft

Antimicrobial vascular prostheses for prophylactic long-term prevention

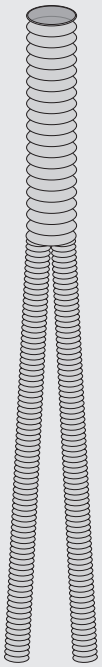
Prophylaktischer Langzeitschutz gegen Gefäßprotheseninfektionen

Silver Graft – straight tubes
Silver Graft – Gerade Röhren



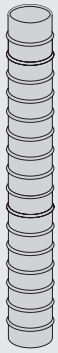
Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1108000	15 cm	8 mm	1
1108001		16 mm	1
1108002		18 mm	1
1108003		20 mm	1
1108004	30 cm	8 mm	1
1108005		14 mm	1
1108006		16 mm	1
1108007		18 mm	1
1108008		20 mm	1
1108009	40 cm	6 mm	1
1108010		7 mm	1
1108011		8 mm	1
1108012	60 cm	6 mm	1
1108013		7 mm	1
1108014		8 mm	1

Silver Graft – bifurcations
Silver Graft – Bifurkationen



Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1108021	40 cm	12 x 6 mm	1
1108017		14 x 7 mm	1
1108015		16 x 8 mm	1
1108016		18 x 9 mm	1
1108018		20 x 10 mm	1
1108019		22 x 11 mm	1
1108020		24 x 12 mm	1

Silver Graft – helix supported
Silver Graft – Spiralverstärkt



Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1108022	60 cm	6 mm	1
1108023		8 mm	1
1108024	90 cm	6 mm	1
1108025		8 mm	1

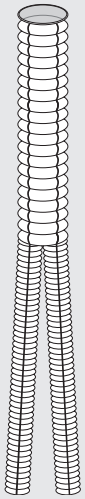
Uni-Graft® K DV

Warp-knitted, impregnated vascular prostheses

Gewirkt, Doppelvelourstruktur, Gelatineimprägnierung

Uni-Graft® K DV – bifurcations

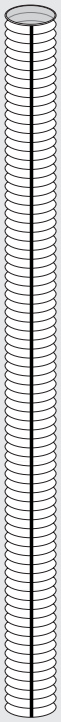
Uni-Graft® K DV – Bifurkationen



Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1104535	40 cm	12 x 6 mm	1
1104519		12 x 7 mm	1
1104527		14 x 7 mm	1
1104551		14 x 8 mm	1
1104560		16 x 8 mm	1
1104578		16 x 9 mm	1
1104586		18 x 9 mm	1
1104594		18 x 10 mm	1
1104608		20 x 10 mm	1
1104616		20 x 11 mm	1
1104624		22 x 11 mm	1
1104640		24 x 12 mm	1

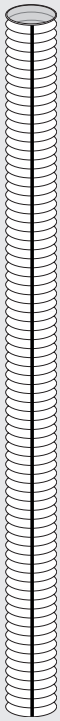
Uni-Graft® K DV – straight tubes

Uni-Graft® K DV – Gerade Röhren



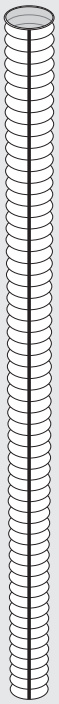
Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1101030	10 cm	6 mm	1
1101803		10 mm	1
1101021	15 mm	6 mm	1
1101048		7 mm	1
1101013		8 mm	1
1101102		10 mm	1
1101129		12 mm	1
1101145		14 mm	1
1101161		16 mm	1
1101188		18 mm	1
1101200		20 mm	1
1101226		22 mm	1
1101242		24 mm	1
1101265		26 mm	1
1101281		28 mm	1
1101303		30 mm	1
1101320		32 mm	1
1101346		34 mm	1

Uni-Graft® K DV – straight tubes
Uni-Graft® K DV – Gerade Röhren



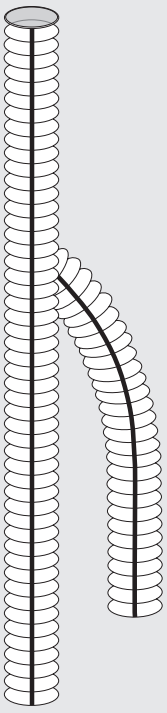
Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1102060	30 cm	6 mm	1
1102079		7 mm	1
1102087		8 mm	1
1102109		10 mm	1
1101137		12 mm	1
1104144		14 mm	1
1104160		16 mm	1
1104187		18 mm	1
1104209		20 mm	1
1104225		22 mm	1
1104241		24 mm	1
1102192		26 mm	1
1102206		28 mm	1
1102214		30 mm	1
1102222		32 mm	1
1102230		34 mm	1
1102249		36 mm	1
1101269	40 cm	6 mm	1
1101277		7 mm	1
1101285		8 mm	1
1101307		10 mm	1
1101684		18 mm	1
1104063	60 cm	6 mm	1
1104071		7 mm	1
1104080		8 mm	1
1104101		10 mm	1
1104128		12 mm	1
1104421	70 cm	6 mm	1
1104422		7 mm	1
1104423		8 mm	1
1104403	100 cm	6 mm	1
1104411		8 mm	1
1104420		10 mm	1

Uni-Graft® K DV – tapered
Uni-Graft® K DV – Konisch



Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1102869	60 cm	6 - 8 mm	1

Uni-Graft® K DV – axillo bifemoral
Uni-Graft® K DV – Axillo Bifemoral

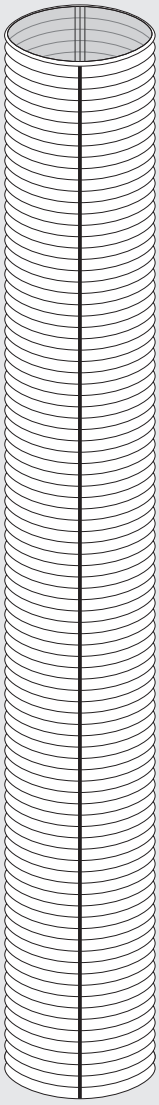


Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser		Sales unit: pcs. Stück per PAK
1104705	100/60 cm	8 mm,	right side-branch Seitenarm rechts	1
1104713		8 mm,	left side-branch Seitenarm links	1
1104730		10 mm,	left side-branch Seitenarm links	1

Uni-Graft® W

Woven, impregnated vascular prostheses

Gewebt, Gelatineimprägnierung



Uni-Graft® W – straight tubes
Uni-Graft® W – Gerade Röhren

Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1106392	15 cm	24 mm	1
1106406		26 mm	1
1106414		28 mm	1
1106422		30 mm	1
1106430		32 mm	1
1106449		34 mm	1
1106457		36 mm	1
1106465		38 mm	1
1106635	30 cm	24 mm	1
1106643		26 mm	1
1106651		28 mm	1
1106660		30 mm	1
1106678		32 mm	1
1106686		34 mm	1
1106694		36 mm	1
1106708		38 mm	1

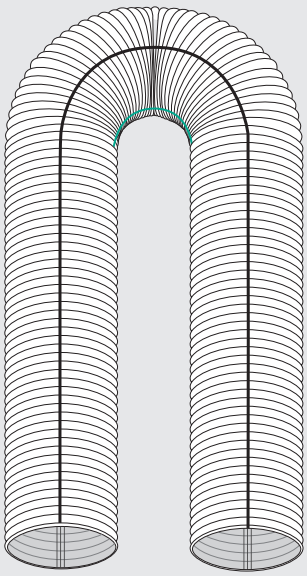
Uni-Graft® W Aortic Arch

Woven, impregnated vascular prostheses

Gewebt, Gelatineimprägnierung

Uni-Graft® W – Aortic Arch

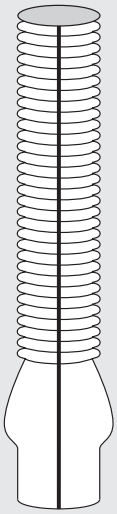
Uni-Graft® W – Aortenbogen



Cat. No. Art. Nr.	Diameter Durchmesser	Angle Winkel	Sales unit: pcs. Stück per PAK
1106801	26 mm	90°	1
1106802		180°	1
1106803	28 mm	90°	1
1106804		180°	1
1106806	30 mm	90°	1
1106807		180°	1
1106808	32 mm	90°	1
1106809		180°	1

Uni-Graft® W – Sinus

Uni-Graft® W – Sinus



Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
1106826	20 cm	26 mm	1
1106828		28 mm	1
1106830		30 mm	1
1106832		32 mm	1

For further details see
brochure No. **6050129.**

Weitere Informationen finden Sie
in unserem Prospekt Nr. **XP0009.**

For further details see
brochure No. **6050152.**

Weitere Informationen finden Sie
in unserem Prospekt Nr. **6050152.**

For further details see
brochure No. **6050151.**

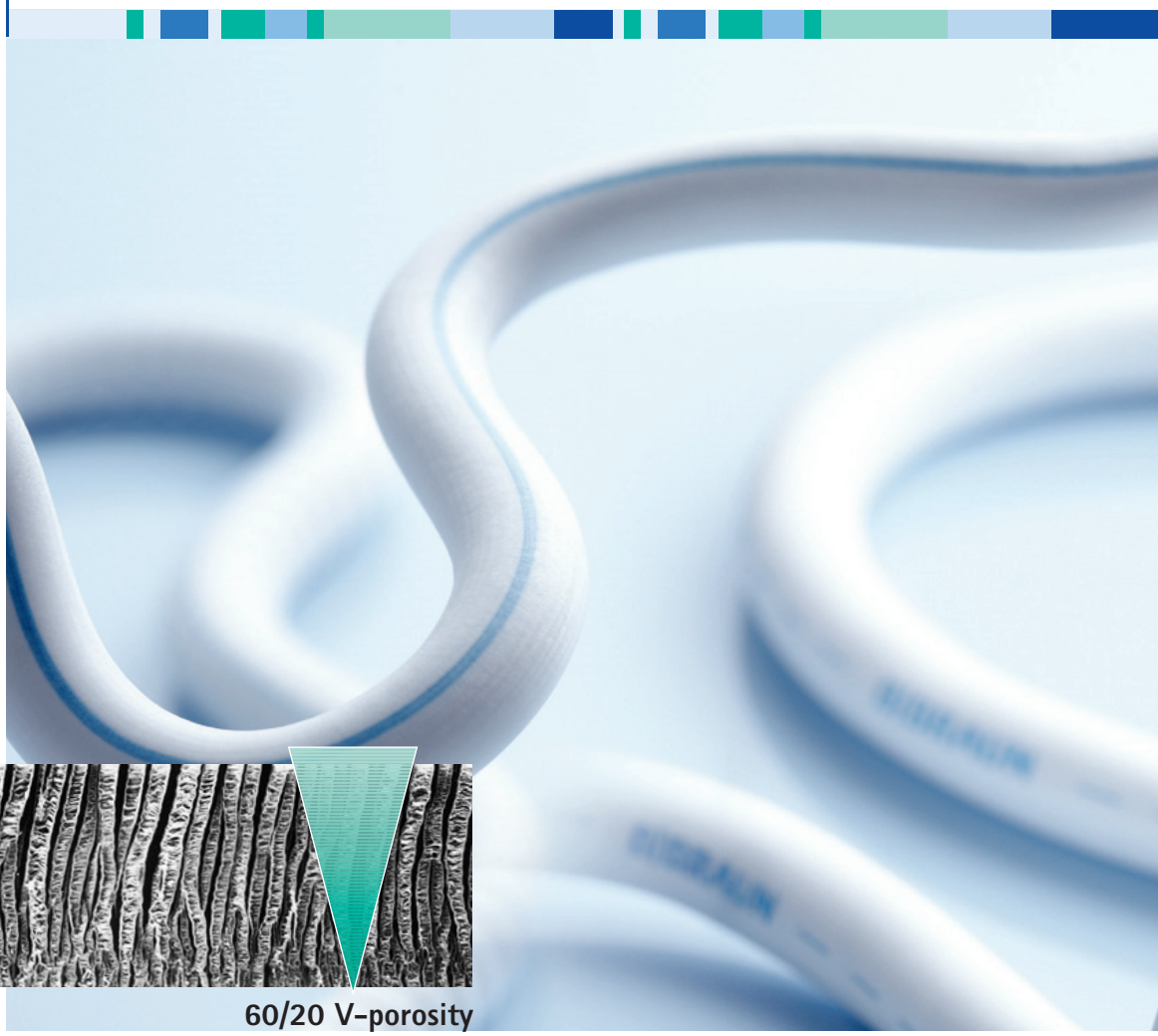
Weitere Informationen finden Sie
in unserem Prospekt Nr. **XP0097.**

For further details see
brochure No. **6050151.**

Weitere Informationen finden Sie
in unserem Prospekt Nr. **XP0180.**

VascuGraft PTFE

Expanded PTFE vascular prostheses
Expandierte PTFE Gefäßprothesen



Outside
Aussenseite

Inside
Innenseite

60/20 V-porosity
60/20 V-Porosität

Vascular prostheses in one layer design with an advanced structure:

- radial nodes provide a unique flexibility and kink-resistance.
- V-porosity (60 µm pores outside, 20 µm pores inside) improves healing
- provides maximum protection against kinking or twisting
- removable helix support
- tapered, short taper and stepped taper configurations are available for use in special hemodynamic conditions

Einschichtige Gefäßprothese mit optimierter Wandstruktur

- Radiale Nodien ermöglichen ein einzigartiges, flexibles und knickstabiles Design
- V-förmige Poren (60 µm Porengröße außenseitig, 20 µm Porengröße innenseitig) beschleunigen die Protheseneinheilung
- Hohe Knick- und Kompressionsstabilität
- Abnehmbare Spiralverstärkung
- Verschiedene konische Konfigurationen für unterschiedliche hämodynamische Bedingungen verfügbar

VascuGraft SOFT

Expanded PTFE vascular prostheses
Expandierte PTFE Gefäßprothesen

Optimized material properties

- reinforced two layer design reduces risk of unzipping
- higher burst strength
- increased tensile strength
- superior suture retention force
- easy to suture

Optimierte Materialeigenschaften

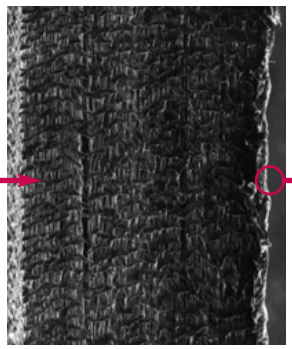
- Verstärktes Zwei-Komponenten-Wanddesign
- Verbesserte Geschmeidigkeit
- Hohes Nahtrückhaltevermögen
- Einfaches Einnähen

Unique wrap design

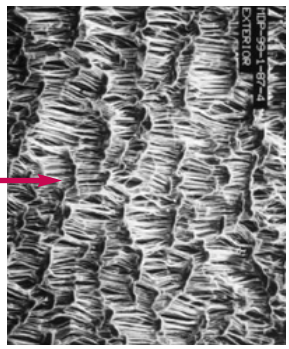
- 60 µm wrap designed to promote better tissue attachment
- highly porous outer wrap for a "vein like feeling" (extremely soft surface integrity)

Einzigartiges Wanddesign

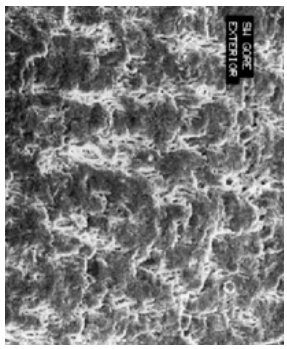
- Hochporöse Außenummantelung für venenähnliche Strukturen
- Bessere Zellanlagerung bei 60 µm Porengröße der Ummantelung



Inside **Outside**
Innenseite Aussenseite



Reinforced SOFT wrap
Verstärkte SOFT Ummantelung



Conventional wrap
Herkömmliche Ummantelung

VascuGraft PTFE

Expanded PTFE vascular prostheses

Expandierte PTFE Gefäßprothesen

VascuGraft PTFE – standard wall

VascuGraft PTFE – Standard Wand

Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
V1103004	20 cm	6 mm	1
V1103006		8 mm	1
V1103007	30 cm	6 mm	1
V1103010	40 cm	4 mm	1
V1103011		5 mm	1
V1103012		6 mm	1
V1103013		8 mm	1
V1103015	50 cm	5 mm	1
V1103017		6 mm	1
V1103018		7 mm	1
V1103019		8 mm	1
V1103020		10 mm	1
V1103021	60 cm	6 mm	1
V1103025	70 cm	4 mm	1
V1103026		5 mm	1
V1103027		6 mm	1
V1103028		7 mm	1
V1103029		8 mm	1
V1103030		10 mm	1
V1103033	80 cm	6 mm	1
V1103039	90 cm	8 mm	1

VascuGraft PTFE – standard wall – helix supported
VascuGraft PTFE – Standard Wand – spiralverstärkt

Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
V1103051	40 cm	6 mm	1
V1103052		8 mm	1
V1103053	50 cm	6 mm	1
V1103054		7 mm	1
V1103055		8 mm	1
V1103056		10 mm	1
V1103057	60 cm	6 mm	1
V1103058		8 mm	1
V1103061	70 cm	5 mm	1
V1103062		6 mm	1
V1103063		7 mm	1
V1103064		8 mm	1
V1103068	80 cm	6 mm	1
V1103069		7 mm	1
V1103070		8 mm	1
V1103074	90 cm	8 mm	1

VascuGraft PTFE – standard wall – centre helix
VascuGraft PTFE – Standard Wand – zentral spiralisiert

V1103076	45 cm	6 mm	1

VascuGraft PTFE – standard wall – taper
VascuGraft PTFE – Standard Wand – konisch

V1103100	40 cm	4 – 6 mm	1
V1103101		4 – 7 mm	1
V1103104	50 cm	4 – 7 mm	1
V1103108	70 cm	5 - 8 mm	1

VascuGraft PTFE – standard wall – taper – helix supported
VascuGraft PTFE – Standard Wand – konisch – spiralverstärkt

V1103114	70 cm	4 – 7 mm	1
V1103115		5 - 8 mm	1
V1103116		6 - 8 mm	1

VascuGraft PTFE – standard wall – short taper
VascuGraft PTFE – Standard Wand – kurz-konisch

Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
V1103086	30 cm	4 - 7 mm	1
V1103087	45 cm	4 – 6 mm	1
V1103088		4 – 7 mm	1
V1103089		5 - 8 mm	1

VascuGraft PTFE – standard wall – short taper - centre helix
VascuGraft PTFE – Standard Wand – kurz-konisch - zentral spiralisiert

V1103097	45 cm	4 – 6 mm	1

VascuGraft PTFE – standard wall – step taper
VascuGraft PTFE – Standard Wand – abgestuft konisch

V1103078	30 cm	4 - 7 mm	1

VascuGraft PTFE – thin wall
VascuGraft PTFE – Dünnwand

V1103250	10 cm	3 mm	1
V1103251		3.5 mm	1
V1103252		4 mm	1
V1103129	20 cm	6 mm	1
V1103135	40 cm	4 mm	1
V1103136		5 mm	1
V1103137		6 mm	1
V1103138		8 mm	1
V1103142	50 cm	6 mm	1
V1103144		8 mm	1
V1103146	60 cm	6 mm	1
V1103149		8 mm	1
V1103151	70 cm	4 mm	1
V1103153		6 mm	1
V1103154		7 mm	1
V1103155		8 mm	1
V1103159	80 cm	6 mm	1
V1103160		7 mm	1
V1103161		8 mm	1

VascuGraft PTFE – thin wall – helix supported
VascuGraft PTFE – Dünnwand – spiralverstärkt

Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
V1103171	20 cm	6 mm	1
V1103177	40 cm	6 mm	1
V1103178		8 mm	1
V1103182	50 cm	6 mm	1
V1103183		7 mm	1
V1103184		8 mm	1
V1103186	60 cm	6 mm	1
V1103187		8 mm	1
V1103189	70 cm	5 mm	1
V1103190		6 mm	1
V1103191		7 mm	1
V1103192		8 mm	1
V1103194	80 cm	5 mm	1
V1103195		6 mm	1
V1103197		8 mm	1

VascuGraft PTFE – thin wall – taper
VascuGraft PTFE – Dünnwand – konisch

V1103216	40 cm	4 – 7 mm	1
V1103217		5 - 8 mm	1
V1103221	70 cm	4 - 6 mm	1
V1103222		4 - 7 mm	1

VascuGraft PTFE – thin wall – taper – helix supported
VascuGraft PTFE – Dünnwand – konisch – spiralverstärkt

V1103206	70 cm	4 – 7 mm	1
V1103207		5 - 8 mm	1
V1103208		6 - 8 mm	1

VascuGraft SOFT

Second generation of reinforced ePTFE-grafts with two layer design

Zweite Generation verstärkter ePTFE Prothesen mit Zwei-Komponenten-Wand-Design

VascuGraft SOFT – standard wall
VascuGraft SOFT – Standard Wand

Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
V1101312	40 cm	6 mm	1
V1101317	50 cm	6 mm	1
V1101331	80 cm	7 mm	1

VascuGraft SOFT – standard wall – helix supported
VascuGraft SOFT – Standard Wand – spiralverstärkt

V1101362	50 cm	6 mm	1
V1101375	80 cm	6 mm	1

VascuGraft SOFT – standard wall – centre helix
VascuGraft SOFT – Standard Wand – zentral spiralisiert

V1101392	45 cm	6 mm	1

VascuGraft SOFT – thin wall
VascuGraft SOFT – Dünnwand

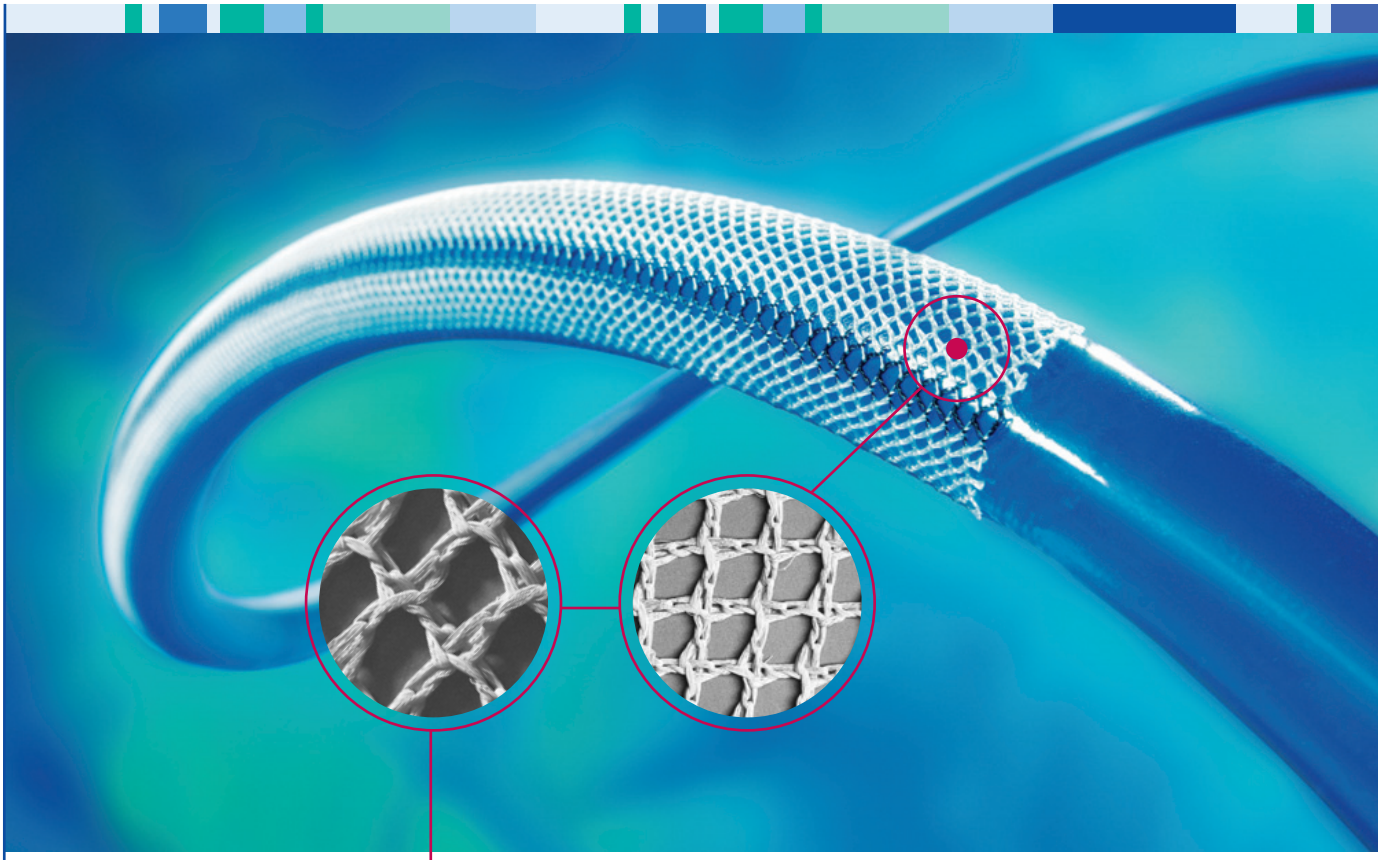
Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
V1101469	40 cm	6 mm	1
V1101470		8 mm	1
V1101475	50 cm	6 mm	1
V1101486	70 cm	7 mm	1
V1101487		8 mm	1
V1101490	80 cm	6 mm	
V1101492		8 mm	1

VascuGraft SOFT – thin wall – helix support
VascuGraft SOFT – Dünnwand – spiralverstärkt

V1101512	50 cm	6 mm	1
V1101514		8 mm	1
V1101520	70 cm	6 mm	1
V1101521		7 mm	1
V1101522		8 mm	1
V1101527	80 cm	8 mm	1

ProVena

Open-porous external scaffolding prostheses for autologous veins
Offenporige Polyesterprothese zur Venenummantelung



ProVena's external scaffolding properties enhance patency of autologous veins. The easy to use applicator set saves additional procedure time.

Durch die Ummantelung der Vene mit ProVena wird die Offenheitsrate autologer Venen erhöht. Das Applikator-Set ist einfach in der Handhabung und spart Operationszeit.

ProVena is an open-porous prosthesis with "honeycomb-like" structure for intra-operative external scaffolding of autologous veins.

- unique product technology to stabilize autologous veins
- better patency-rates
- reduces arterial stress and intimal hyperplasia
- homogenous adaptation of ProVena to external surface of the vein
- improved vein lumen
- easy to use application set to save procedure time

ProVena ist eine großporige Gefäßprothese mit wabenartiger Struktur zur intraoperativen Ummantelung autologer Venen.

- Reduktion des arteriellen Stresses und der intimalen Hyperplasie
- Bessere Offenheitsrate
- Stabilisierung autologer Venen
- Gleichförmige Anlagerung der Vene an die ProVena Oberfläche
- Verbessertes Venenlumen
- Leichte Applikation spart Operationszeit

ProVena

Open-porous external scaffolding prostheses for autologous veins

Offenporige Polyesterprothese zur Venenummantelung

Provena
Provena

Cat. No. Art. Nr.	Length Länge	Diameter Durchmesser	Sales unit: pcs. Stück per PAK
110 5010	40 cm	4 mm	1
110 5011		5 mm	1
110 5012		6 mm	1
110 5013		7 mm	1
110 5014		8 mm	1
110 5016	80 cm	4 mm	1
110 5017		5 mm	1
110 5018		6 mm	1
110 5019		7 mm	1
110 5020		8 mm	1
110 5021		10 mm	1

ProVena applicator
ProVena Applikator

1105026	13 cm	5 mm	1
1105027		6 mm	1
1105028		7 mm	1
1105029		8 mm	1

ProVena cannula
ProVena Kanüle

1105030	14 cm	2 mm	1

ProVena application set
ProVena Applikations-Set

1105031			1

contains:

Applicator, length 13 cm, ø 5 mm
Applikator, Länge 13 cm, ø 5 mm

Applicator, length 13 cm, ø 6 mm
Applikator, Länge 13 cm, ø 6 mm

Applicator, length 13 cm, ø 7 mm
Applikator, Länge 13 cm, ø 7 mm

Applicator, length 13 cm, ø 8 mm
Applikator, Länge 13 cm, ø 8 mm

Cannula, length 14 cm, ø 2 mm
Kanüle, Länge 14 cm, ø 2 mm

Vascular Patch

Veno Patch

Microporous patch for vascular reconstructions

- high compliance
- no suture hole bleeding due to the high elasticity of the polymer fibres
- blood tight
- excellent handling properties
- good tissue incorporation

Mikroporöses Polyesterurethan-Patch

- Hohe Nahtausrissfestigkeit
- Keine Stichkanalblutungen
- Blutdicht
- Ausgezeichnete Modellierbarkeit durch hohe Materialflexibilität
- sehr gute Einheilung

Valve reconstruction with extraluminal valvuloplasty for venous insufficiency

- extremly thin (thickness 0,2 mm)
- excellent handling properties

Klappenrekonstruktion mittels extraluminaler Valvuloplastie bei Stamminsuffizienz der Vena saphena magna

- Extrem dünne Wandstärke von 0,2 mm
- Ausgezeichnete Verarbeitungsmöglichkeiten

Vascular Patch

Microporous, elastic polyesterurethane material for vascular patch procedures.

Mikroporöses, elastisches Polyesterurethan für vaskuläre Patch Plastiken

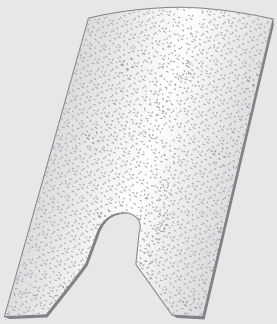
Vascular Patch

Cat. No. Art. Nr.	Size Größe	Sales unit: pcs. Stück per PAK
1107348	1 x 7 cm	1
1107283	1 x 7 cm	2
1107291	1 x 7 cm	5
1107330	2 x 9 cm	1
1107267	2 x 9 cm	2
1107275	2 x 9 cm	5
1107356	3 x 4 cm	1
1107321	3 x 4 cm	2
1107305	3 x 4 cm	5

Veno Patch

Microporous, elastic polyesterurethane for extraluminal valvuloplasty

Mikroporöses, elastisches Polyesterurethan zur extraluminalen Valvuloplastie



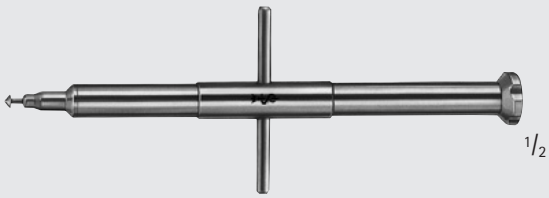
Veno Patch

1107500	2 x 4 cm	1

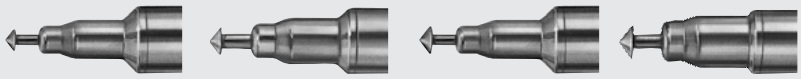
Vascular Instruments – Gefäßinstrumente

Vascular Instruments, Aorta Punches, Irrigating Cannulae, Vascular Dilators, Tunnelling, Vein Strippers

Gefäßinstrumente, Aortenstanzen, Spülkanülen, Gefäßdilatatoren, Tunnelierung, Venen-Stripper



1/2



FB201R	FB202R	FB194R	FB203R
Diam. / Ø 3 mm	3.5 mm	4 mm	4.5 mm

1/1

FB195R	FB204R	FB196R
Diam. / Ø 5 mm	5.5 mm	6 mm

FB194R–FB204R

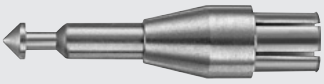
Aorta punches

Aortenstanzen

140 mm, 5 1/2"

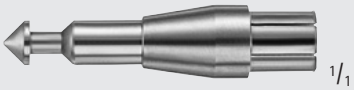
FB184R

Diam. / Ø 4 mm



FB185R

Diam. / Ø 5 mm



1/1

FB186R

Diam. / Ø 6 mm

FB184R–FB186R

VASCUCUT Punch heads

Sales unit:

PAK = Package of 5 pieces

VASCUCUT Stanzenköpfe

Bestelleinheit:

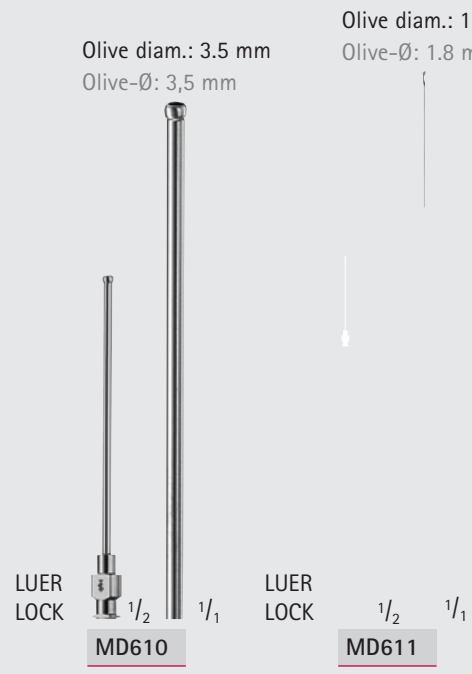
PAK = Packung à 5 Stück

1/2

FB180R

VASCUCUT Handle only

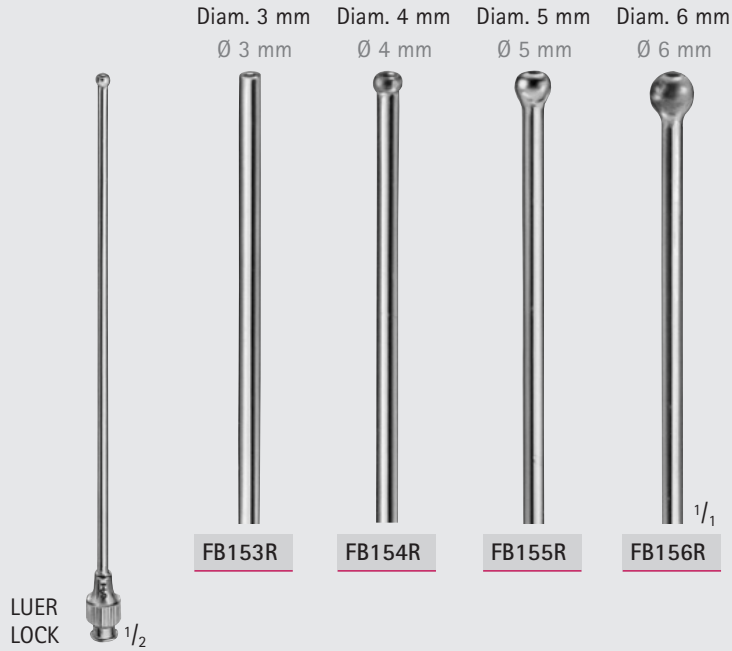
VASCUCUT Handgriff allein



MD610 MD611

	Outer diam. Außen-Ø	Gauge Gauge	Length Länge
MD610	2.4 mm	13	90 mm, 3 1/2"
MD611	1.2 mm	18	95 mm, 3 3/4"

Heparin needles
Heparin-Nadeln



FB153R FB154R FB155R FB156R

SCHMID

FB153R–FB156R

Vessel irrigating cannulae, malleable, silver plated
Gefäß-Spülkanülen, biegsam, versilbert
150 mm, 6"

GF793R

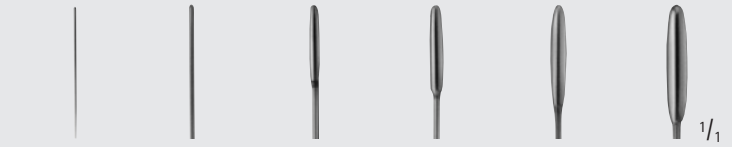
Suction handle with LUER LOCK
Sauggriff mit LUER Ansatz
155 mm, 6"

BLAKE

EB220R

Embolus grasping forceps
Embolusfasszange
205 mm, 8"

1/2



1/1

	FB160R	FB161R	FB162R	FB163R	FB164R	FB165R
Diam. / Ø	0.5 mm	1.0 mm	1.5 mm	2.0 mm	2.5 mm	3.0 mm

1/1

	FB166R	FB167R	FB168R	FB169R	FB170R	FB172R
Diam. / Ø	3.5 mm	4.0 mm	4.5 mm	5.0 mm	7.0 mm	9.0 mm

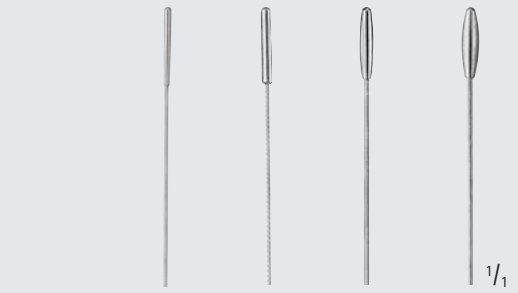
DE BAKEY

FB160R–FB172R

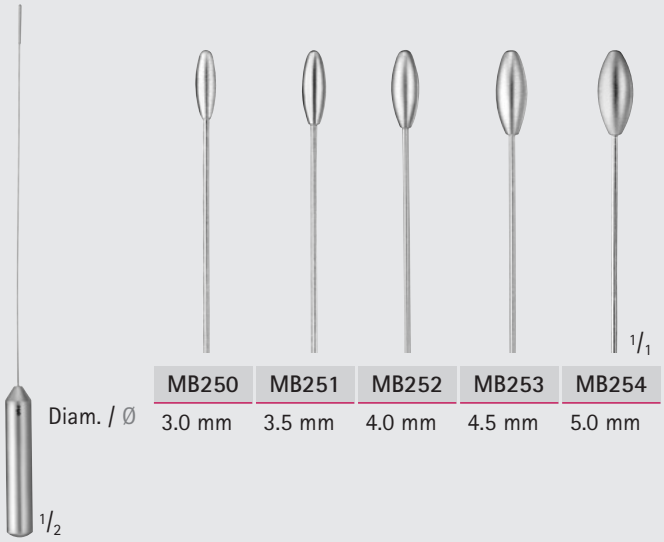
Vascular dilators, malleable

Gefäßdilatatoren, biegsam

190 mm, 7 1/2"



	MB246	MB247	MB248	MB249
Diam. / Ø	1.0 mm	1.5 mm	2.0 mm	2.5 mm



	MB250	MB251	MB252	MB253	MB254
Diam. / Ø	3.0 mm	3.5 mm	4.0 mm	4.5 mm	5.0 mm

GARRETT

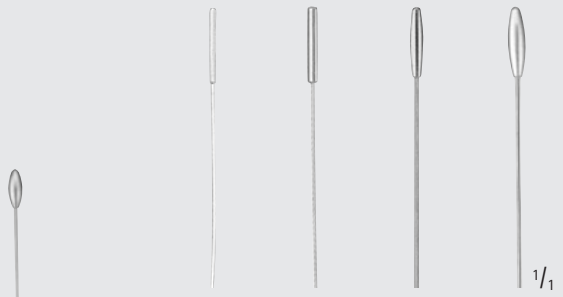
MB246 - MB254

Vascular dilators, malleable
Gefäßdilatatoren, biegsam
140 mm, 5 1/2"

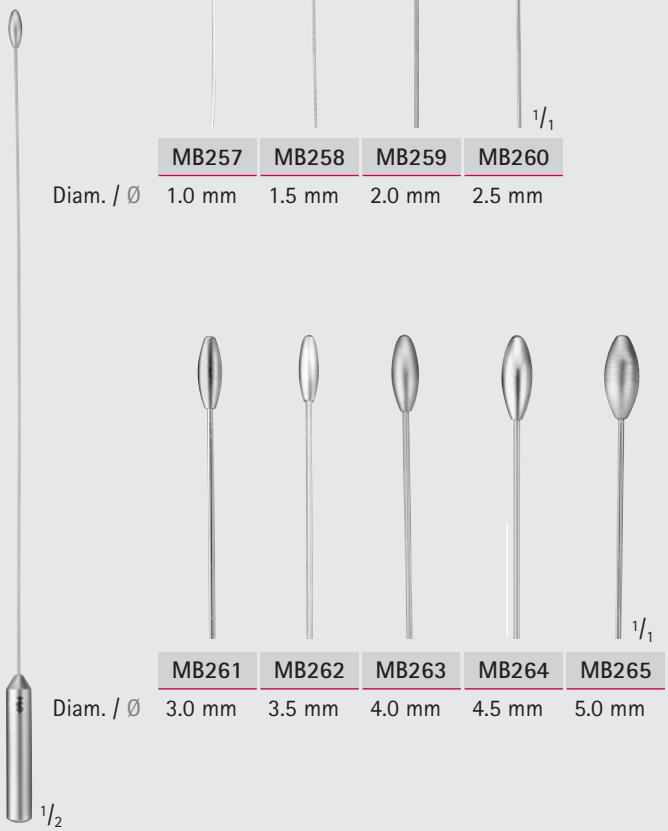
GARRETT

MB245

Set complete, consisting of:
MB246-MB254, 1 dilator of each
Set komplett, bestehend aus:
MB246-MB254, jeweils 1 Dilatator



	MB257	MB258	MB259	MB260
Diam. / Ø	1.0 mm	1.5 mm	2.0 mm	2.5 mm



	MB261	MB262	MB263	MB264	MB265
Diam. / Ø	3.0 mm	3.5 mm	4.0 mm	4.5 mm	5.0 mm

GARRETT

MB257 - MB265

Vascular dilators, malleable
Gefäßdilatatoren, biegsam
215 mm, 8 1/2"

GARRETT

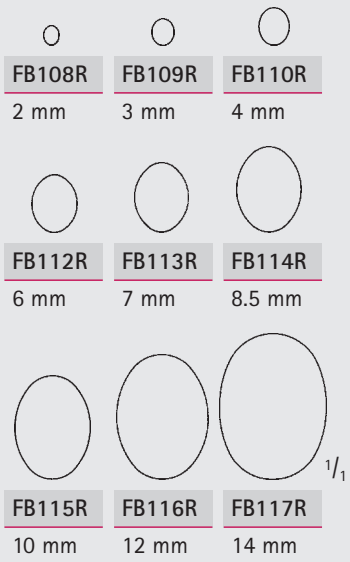
MB256

Set complete, consisting of:
MB257-MB265, 1 dilator of each
Set komplett, bestehend aus:
MB257-MB265, jeweils 1 Dilatator

Vascular Instruments – Gefäßinstrumente

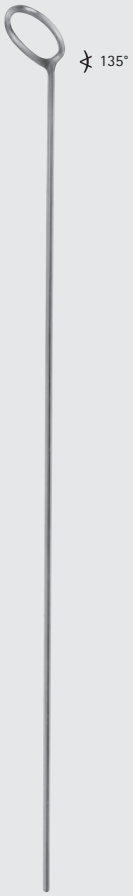
Vascular Instruments, Aorta Punches, Irrigating Cannulae, Vascular Dilators, Tunnelling, Vein Strippers

Gefäßinstrumente, Aortenstanzen, Spülkanülen, Gefäßdilatatoren, Tunnelierung, Venen-Stripper



FB108R 2 mm
FB109R 3 mm
FB110R 4 mm
FB112R 6 mm
FB113R 7 mm
FB114R 8.5 mm
FB115R 10 mm
FB116R 12 mm
FB117R 14 mm

1/1



FB108R–FB117R
Endarterectomy strippers
Endarterektomiestripper
550 mm, 22"

1/2

FB119R
Handle for FB108R-FB117R
Griff für FB108R-FB117R
110 mm, 4 3/8"

1/2

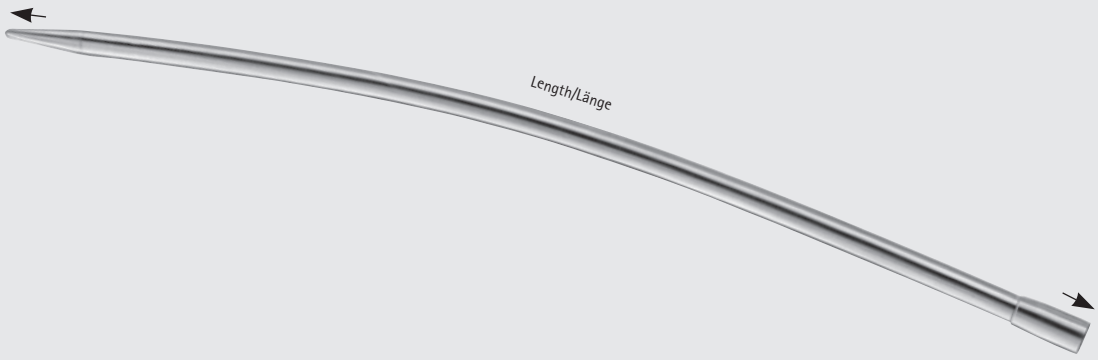
RUMEL–BELMONT
FB651R
325 mm, 13"
Diam. / Ø 4 mm

1/1 1/2

FB653R
Guide only
Mandrin allein

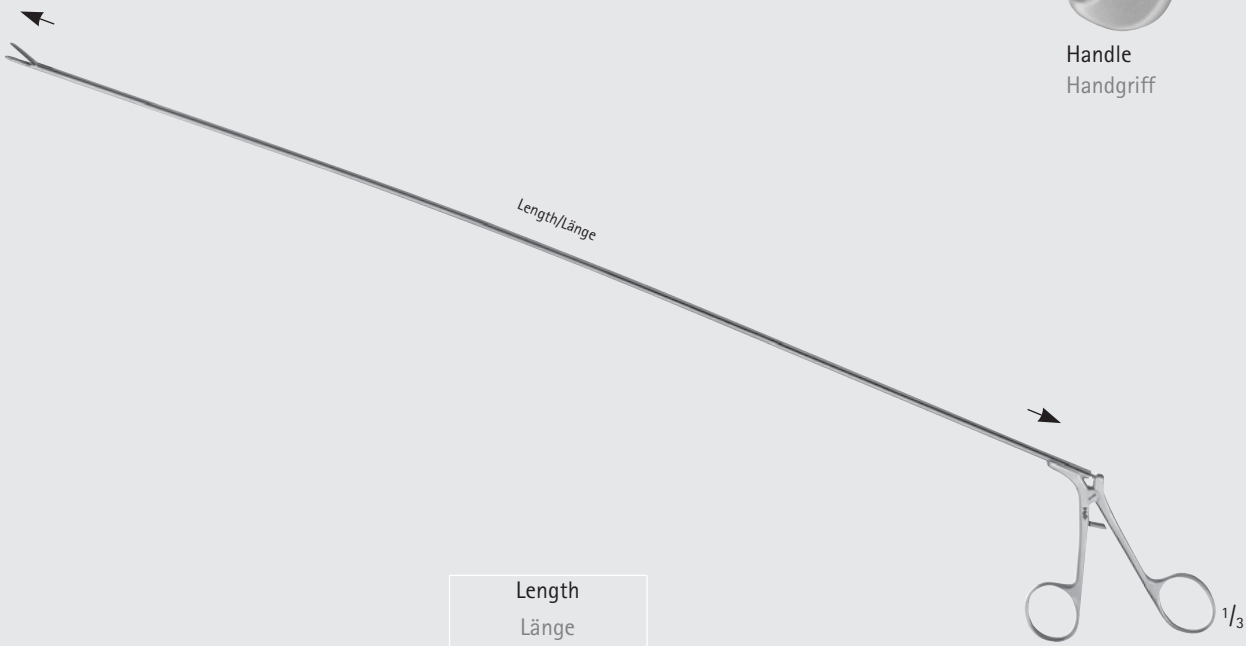
1/1 1/2

FB654R
Guide only
Mandrin allein



Tunneling tubes with conical tip
Tunnelierrohre mit Konus

Handle
Handgriff



Forceps
Durchziehzange

JENKNER	Diam. Ø	Length Länge 400 mm 16"	500 mm 20"
Tunneling tubes with conical tip Tunnelierrohre mit Konus	12 mm	FC004R	FC005R
	14 mm	FC014R	FC015R
	17 mm		FC025R
Handle Handgriff		FC030	
Forceps Durchziehzange		FC034R	FC035R

Information about the operative procedure see leaflet C06011
Informationen über das operative Vorgehen siehe Prospekt C06011

MILLIMETERS

Vascular Instruments – Gefäßinstrumente

Vascular Instruments, Aorta Punches, Irrigating Cannulae, Vascular Dilators, Tunnelling, Vein Strippers

Gefäßinstrumente, Aortenstanzen, Spülkanülen, Gefäßdilatatoren, Tunnelierung, Venen-Stripper

- The slight curvature of the introducer forceps permits handling during tunneling. Here the prosthesis can be drawn in by applying the introducer forceps directly to the prosthesis (alloplastic prosthesis) or can be drawn in by means of the bulldog clamp (autologous/homologous prosthesis). Thanks to the interlocking fit, the bulldog clamp rests non-displaceable and securely in the jaw of the introducer forceps.

- Die leichte Krümmung der Zange ermöglicht ein Handling beim Tunnelieren. Zum Durchziehen der Prothese kann die Zange entweder direkt angelegt werden (alloplastische Prothesen) oder mittels der Bulldogklemme (autologe/homologe Prothesen). Die Bulldogklemme sitzt dank Formschluss unverrückbar und sicher im Maul der Einzugszange.

ALLENBERG

FC048R

curved

gebogen

540 mm, 21 1/2"

FC049R

Bulldog clamp

Bulldog-Klemme

40 mm, 1 1/2"

NABATOFF

FB030R

Vein stripper set, consisting of:

FB031R	Metal case
FB032R	Flexible cable, 36" long
FB033	Flexible plastic probe tip
FB034R	Metal probe tip
FB035R	Metal olive, diam. 6 mm
FB036R	Metal olive, diam. 9 mm
FB037R	Metal olive, diam. 12 mm
FB038R	Metal olive, diam. 15 mm
FB040R	Handle for flexible cable

Venenstripper-Besteck, bestehend aus:

FB031R	Metalletui
FB032R	Zugseil, 900 mm lang
FB033	Kunststoff-Sondenspitze
FB034R	Metall-Sondenspitze
FB035R	Metallolive, Ø 6 mm
FB036R	Metallolive, Ø 9 mm
FB037R	Metallolive, Ø 12 mm
FB038R	Metallolive, Ø 15 mm
FB040R	Griff für Zugseil

Spare parts for FB030R

Ersatzteile für FB030R

NABATOFF

FB033

Flexible plastic probe tip

Kunststoff-Sondenspitze

1/1

NABATOFF

	Diam. Ø
FB034R	3 mm

Probe tip, metal

Metall-Sondenspitze

NABATOFF

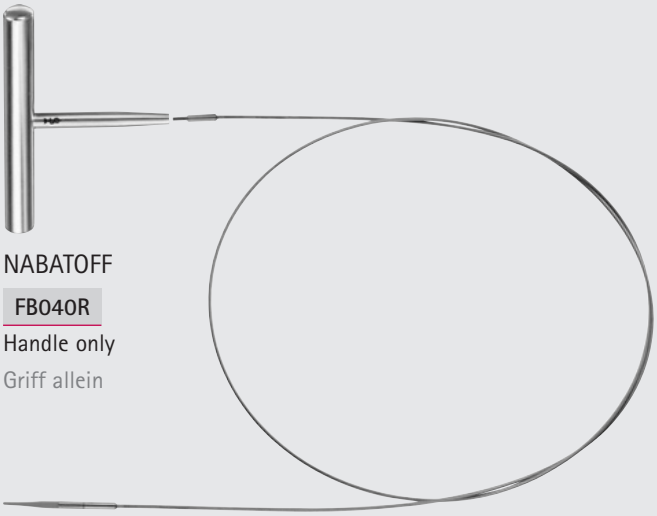
	Diam. Ø
FB035R	6 mm
FB036R	9 mm
FB037R	12 mm
FB038R	15 mm

Olives only

Oliven allein

FB035R **FB036R** **FB037R** **FB038R**

1/1



NABATOFF

FB040R

Handle only

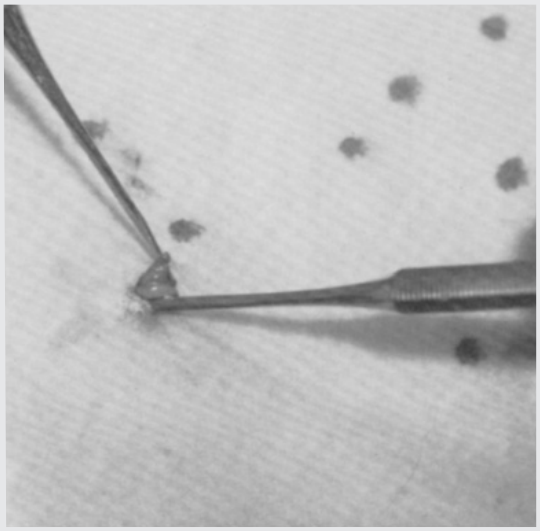
Griff allein

FB032R

Flexible cable

Zugseil

900 mm, 36"



VARADY

FB050R

Mini vein stripper set, consisting of:
FB031R Metal case
FB051R Flexible cable, 17 1/2" long, polyethylene coating
FB053R Metal olive, diam. 3 mm
FB054R Metal olive, diam. 4 mm
FB055R Metal olive, diam. 5 mm

Mini-Venenstripper-Set, bestehend aus:
FB031R Metalletui
FB051R Zugseil, 450 mm lang, kunststoffummantelt
FB053R Metallolive, Ø 3 mm
FB054R Metallolive, Ø 4 mm
FB055R Metallolive, Ø 5 mm

Spare parts for FB050R
Ersatzteile für FB050R

VARADY

	Diam. Ø
FB053R	3 mm
FB054R	4 mm
FB055R	5 mm

Olives only
Oliven allein

FB053R

FB054R

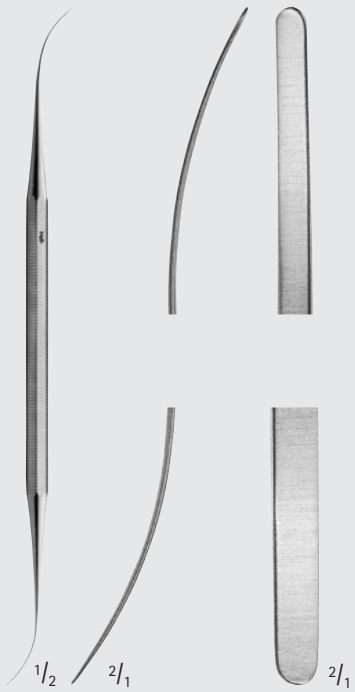
1/1

FB055R

VARADY

FB051R

Cable, flexible, polyethylene coating
Zugseil, kunststoffummantelt
450 mm, 17 1/2"



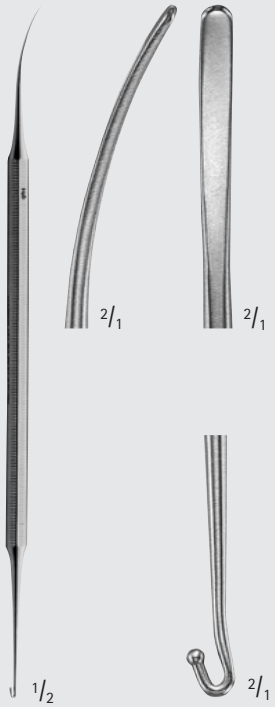
VARADY

FB120R

Phlebodissector

Phlebodissektor

180 mm, 7"



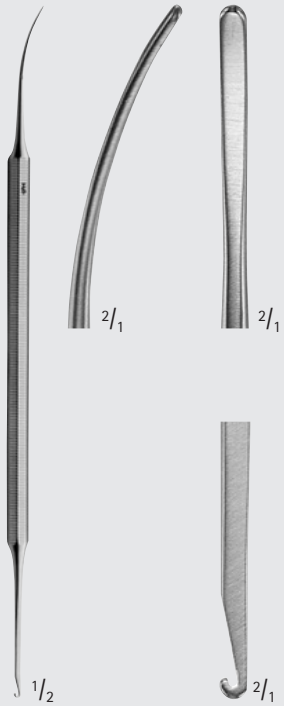
VARADY

FB121R

Phlebextractor

Phlebextraktor

180 mm, 7"



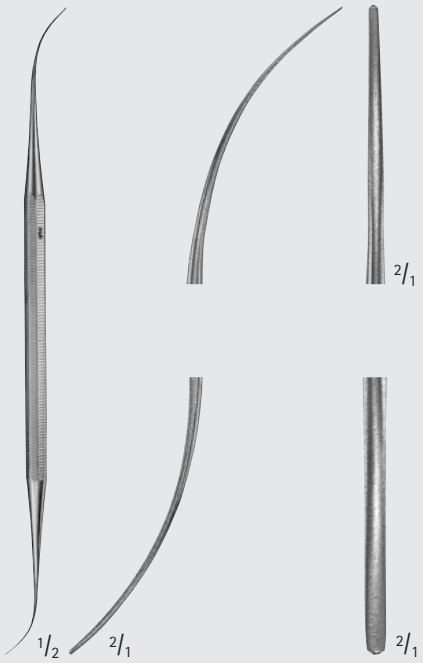
VARADY

FB122R

Phlebextractor

Phlebextraktor

180 mm, 7"



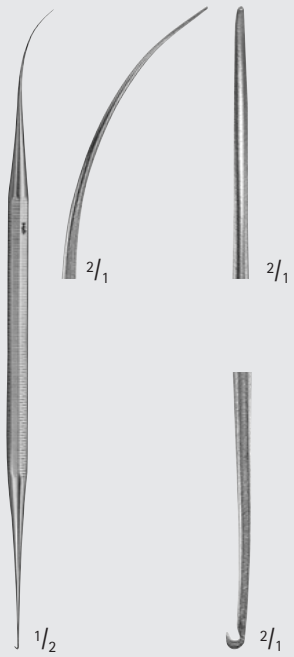
VARADY

FB124R

Micro spatula, double ended

Mikro-Doppelspatel

175 mm, 7"



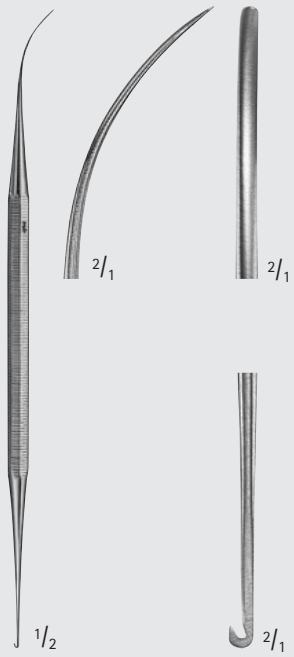
VARADY

FB125R

Micro phlebextractor

Mikro-Phlebextraktor

170 mm, 6 3/4"



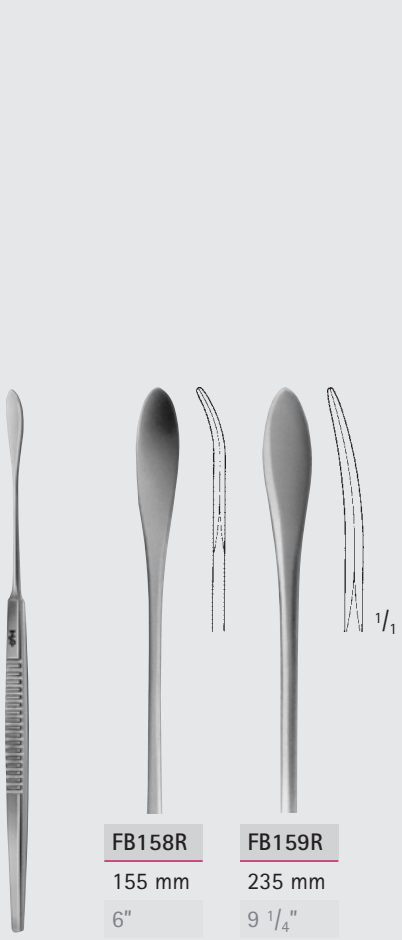
VARADY

FB126R

Mini phlebextractor

Mini-Phlebextraktor

170 mm, 6 3/4"



FB158R
155 mm
6"

FB159R
235 mm
9 1/4"

SCHMID

FB158R–FB159R

blunt

stumpf

DAVIS

FF300R

245 mm, 9 3/4"

FF301R

FF302R

TÖNNIS

FF301R–FF302R

240 mm, 9 1/2"

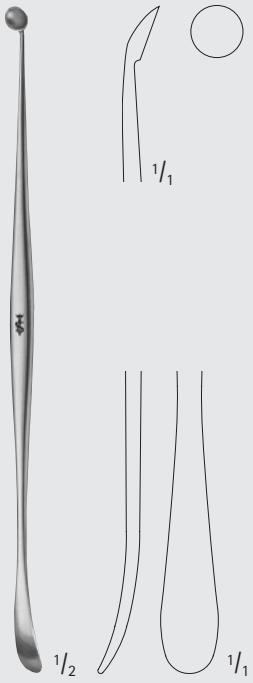
FB150R	185 mm	7 1/4"
FB151R	215 mm	8 1/2"

blunt
stumpf

FD333R
230 mm, 9"

HALLE
OL160R
blunt
stumpf
180 mm, 7"

FREER
OL165R
blunt/sharp
stumpf/scharf
185 mm, 7 1/4"

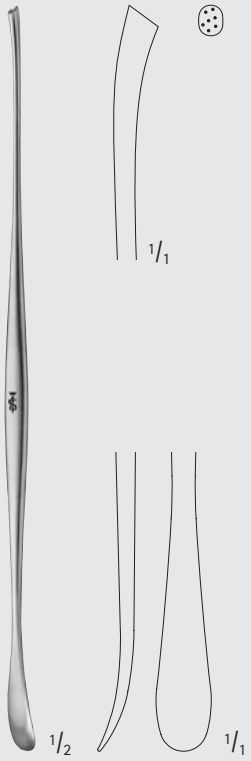


PENFIELD

FF291R

Fig. 1

175 mm, 7"

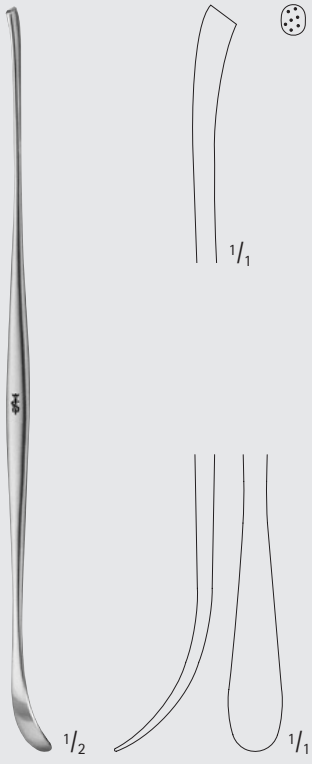


PENFIELD

FF292R

Fig. 2

195 mm, 7 3/4"



PENFIELD

FF293R

Fig. 3

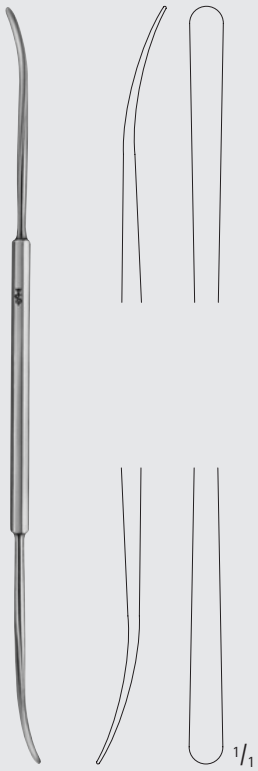
195 mm, 7 3/4"

PENFIELD

FF294R

Fig. 4

205 mm, 8"



SWEDISH

FF347R 180 mm, 7"
light pattern
leichtes Modell

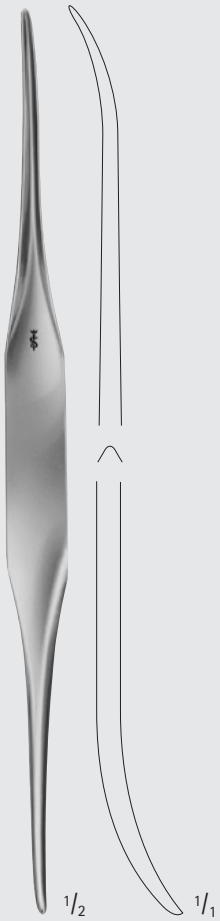
FF348R 200 mm, 8"
heavy pattern
kräftiges Modell

PENNYBACKER

FF349R
Probe dissector
Sonde und Dissektor
230 mm, 9"

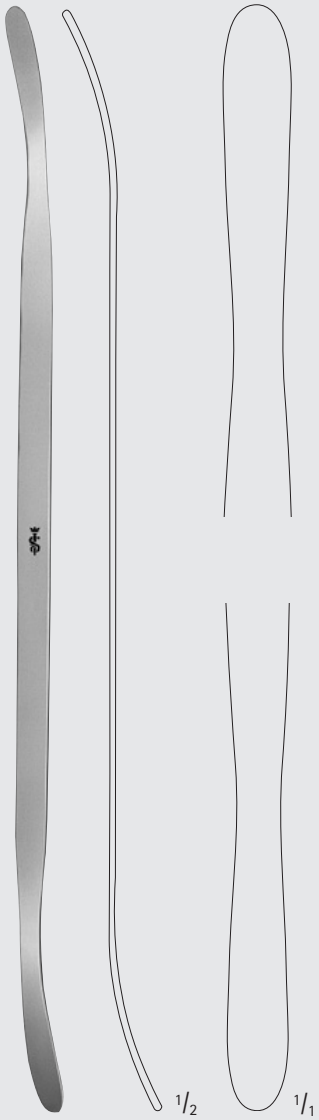
O'CONNELL

FF730R
220 mm, 8 3/4"



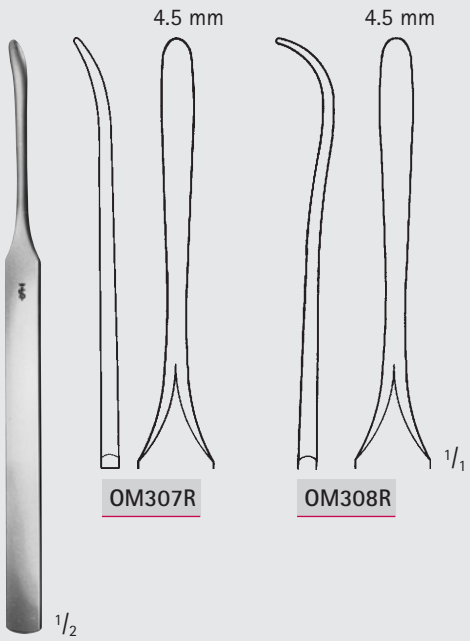
TÖNNIS

FF308R
Grooved director
Hohlsonde
240 mm, 9 1/2"



PENFIELD

FF295R
Fig. 5
slightly curved
leicht gebogen
290 mm, 11 1/2"



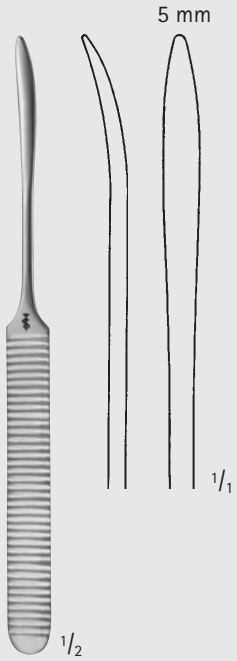
OM307R

OM308R

KÖNIG

OM307R–OM308R

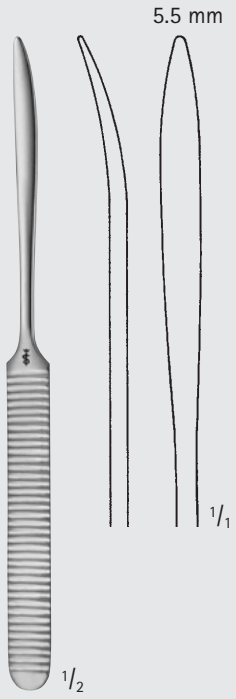
155 mm, 6"



WILLIGER

FK120R

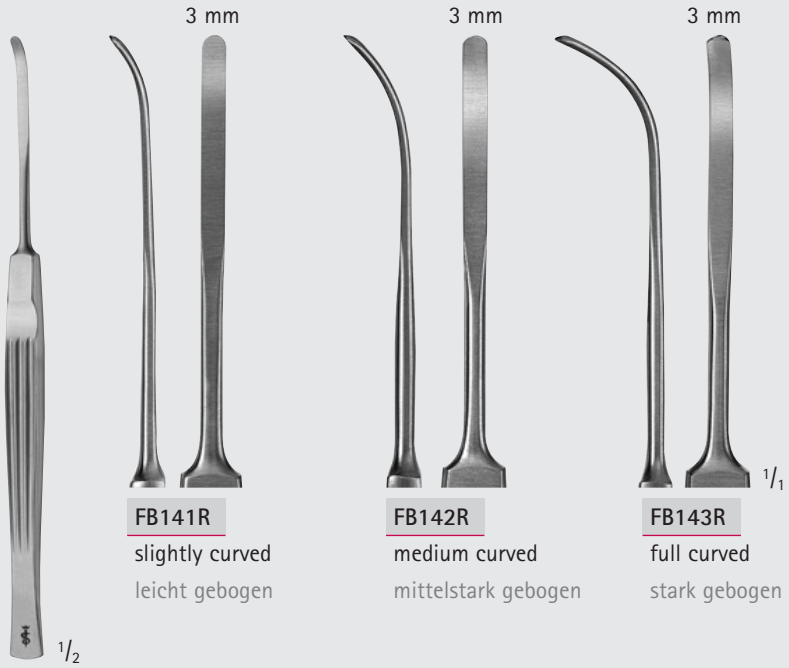
165 mm, 6 1/2"



WILLIGER

FK121R

170 mm, 6 3/4"



FB141R
slightly curved
leicht gebogen

FB142R
medium curved
mittelstark gebogen

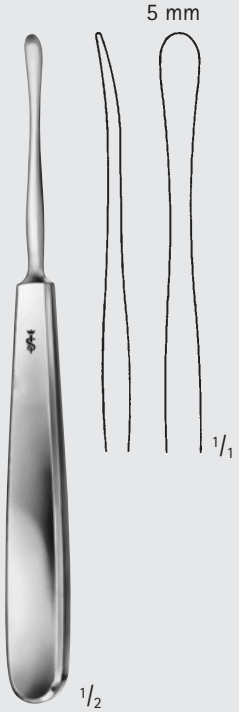
FB143R
full curved
stark gebogen

LEMMON

FB141R–FB143R

Intima dissectors
Intima Dissektoren

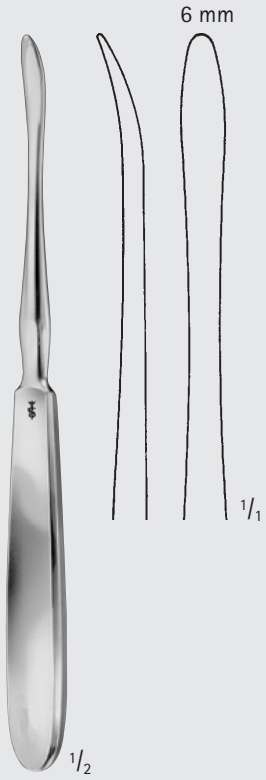
165 mm, 6 1/2"



SEBILEAU

FK124R

175 mm, 7"



QUERVAIN

FK133R

195 mm, 7 3/4"

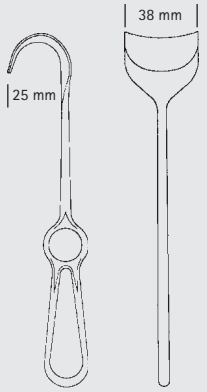
Vascular Instruments – Gefäßinstrumente

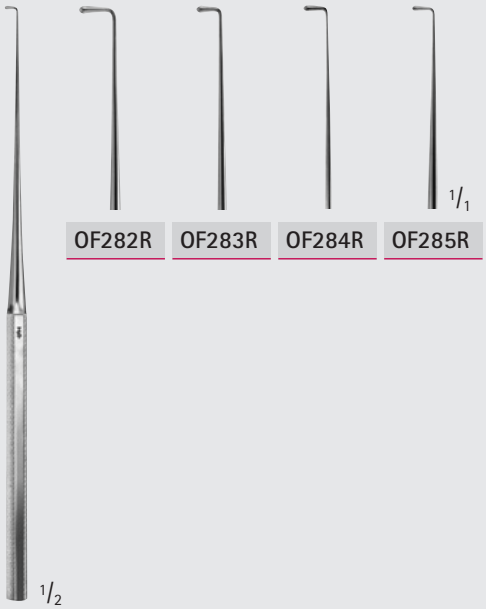
Nerve and Vessel Hooks

Nerv- und Gefäßhäkchen

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



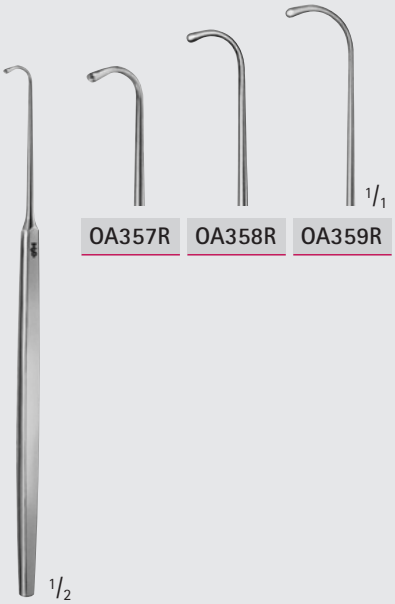


OF282R OF283R OF284R OF285R

WAGENER

OF282R-OF285R

150 mm, 6"



OA357R OA358R OA359R

GRAEFE

OA357R-OA359R

140 mm, 5 1/2"

ST. BARTS

OF288R

180 mm, 7"

BROM

BT075R

Vein hook

Venenhäkchen

170 mm, 6 3/4"

CRILE

BT080R

200 mm, 8"

BT082R

BT083R

CUSHING

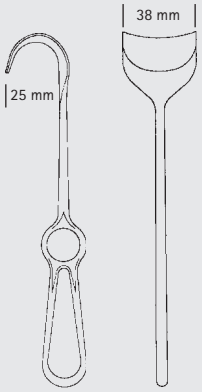
BT082R–BT083R

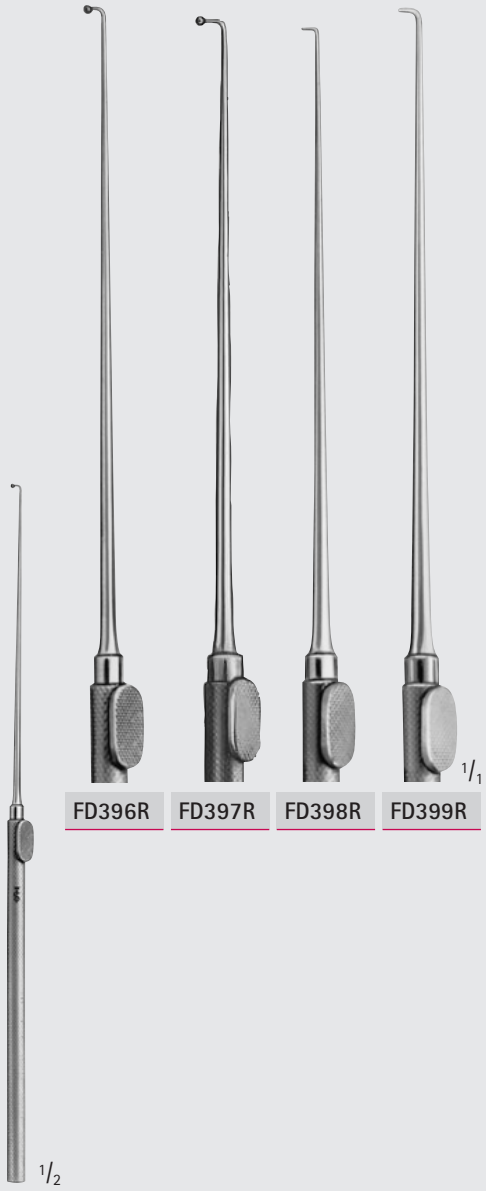
190 mm, 7 1/2"

MILLIMETERS

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite





FD396R FD397R FD398R FD399R

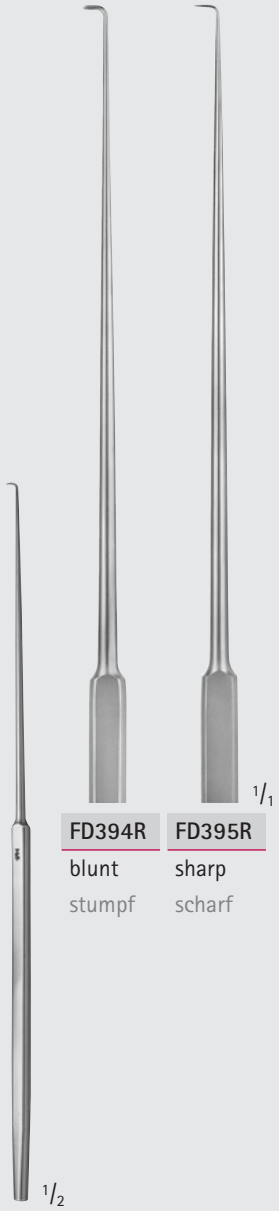
1/1

1/2

KRAYENBÜHL

FD396R–FD399R

185 mm, 7 1/4"



FD394R FD395R

1/1

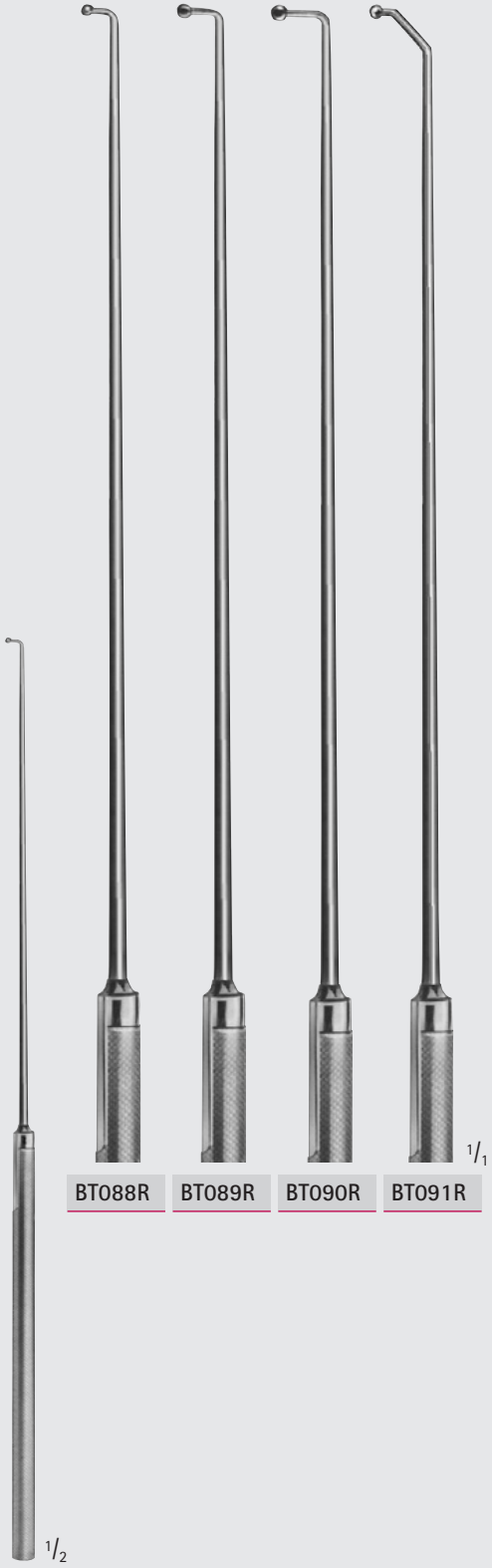
FD394R	FD395R
blunt	sharp
stumpf	scharf

1/2

ADSON

FD394R–FD395R

190 mm, 7 1/2"



BT088R | BT089R | BT090R | BT091R

CASPAR

BT088R–BT091R

Exploration hooks, probe-ended

Explorationshäkchen, geknöpft

245 mm, 9 3/4"

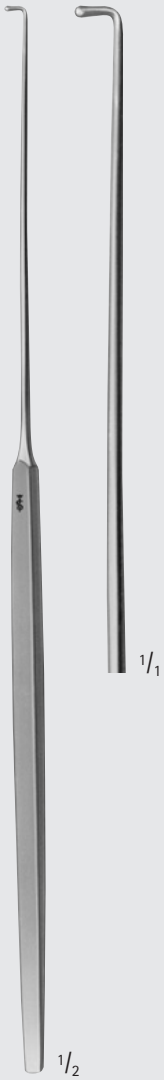
CASPAR

BT081R

Exploration hook, probe-ended

Explorationshäkchen, geknöpft

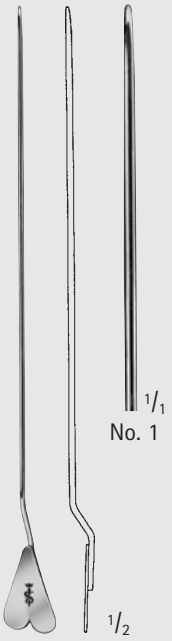
215 mm, 8 1/2"



CUSHING

BT084R

280 mm, 11"



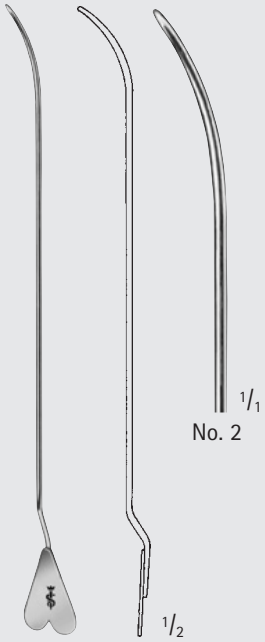
LOCKHART-MUMMERY

BN021R

Fistula probe, straight

Fistelsonde, gerade

165 mm, 6 1/2"



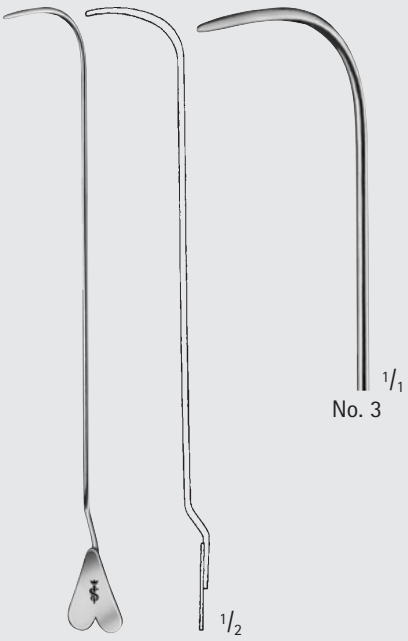
LOCKHART-MUMMERY

BN022R

Fistula probe, 45° curved

Fistelsonde, 45° gebogen

165 mm, 6 1/2"



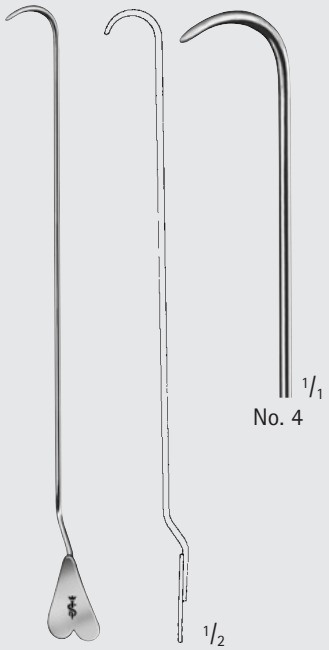
LOCKHART-MUMMERY

BN023R

Fistula probe, 90° curved

Fistelsonde, 90° gebogen

165 mm, 6 1/2"



LOCKHART-MUMMERY

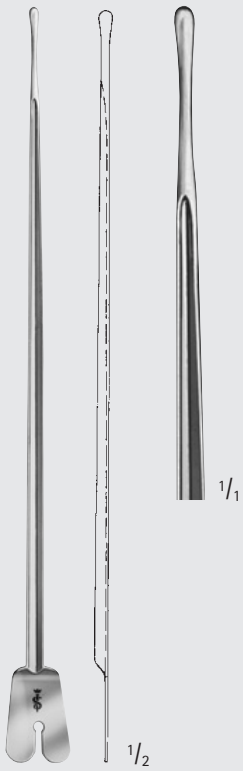
BN024R

Fistula probe, retrograde curved

Fistelsonde, retrograd gebogen

165 mm, 6 1/2"

Diam. of tip: 3.5 mm
Knopf-Ø: 3,5 mm



BRODIE

BN020R

Director with probe

Hohlsonde mit Knopf

200 mm, 8"

1/2

Diam. of tip
Knopf-Ø

BN034R	2,5 mm	145 mm, 5 3/4"
BN036R	2,5 mm	160 mm, 6 1/4"
BN040R	3,0 mm	200 mm, 8"

Probes with eye
Öhrsonden

1/2

MB603R
125 mm, 5"

Diam. of tip: 1.5 mm
Knopf-Ø: 1,5 mm

1/2

BN054R
Myrtle leaf probe
Myrtenblattsonde
145 mm, 5 3/4"

Diam. of tip: 2.0 mm
Knopf-Ø: 2,0 mm

1/2

BN063R	130 mm, 5 1/8"
BN064R	145 mm, 5 3/4"
BN066R	160 mm, 6 1/4"
BN068R	180 mm, 7"
BN070R	200 mm, 8"

Myrtle leaf probes
Myrtenblattsonden

Diam. of tip: 3.5 mm
Knopf-Ø: 3,5 mm

1/2

BN095	250 mm, 10"
BN096	300 mm, 12"

Double ended probes, tin, malleable
Doppelknopfsonden, Zinn, biegsam

Diam. of tip Knopf-Ø			Length Länge
1,0 mm	1,5 mm	2,0 mm	
	BN113R		130 mm, 5 1/8"
BN104R	BN114R	BN134R	145 mm, 5 3/4
	BN116R	BN136R	160 mm, 6 1/4"
	BN118R	BN138R	180 mm, 7"
	BN120R	BN140R	200 mm, 8"
	BN125R		250 mm, 10"
		BN150R	300 mm, 12"

Probes
Knopfsonden

Diam. of tip: 1.2 mm
Knopf-Ø: 1,2 mm

1/2

BN110
Probe
Knopfsonde
150 mm, 6"

Diam. of tip: 3.0 mm
Knopf-Ø: 3,0 mm

1/2

BN090R
Double ended probe, malleable, with hole
Doppelknopfsonde, biegsam, mit Loch
190 mm, 7 1/2"

INCHES
1
2
3
4
5
7
8
9

SUSI

SUSI®
Single Use Surgical Instruments

Pack per case – Procedure Sets
Eingriffsgerechte chirurgische Behandlungs-Sets

„All inclusive":
- high quality single use instrumentation
- all required consumables

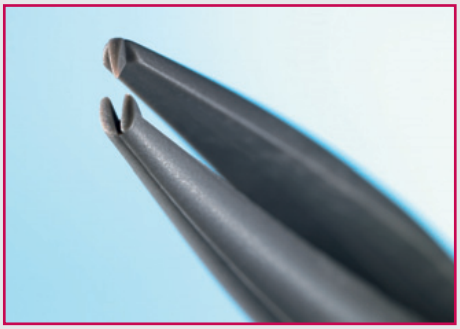
At your finger tips! Ready for use when required
- instantly available
- always complete
- always sterile (sterilised in acc. to validated sterilisation process)
- 100% reliable
- procedure related cost transparency
- no additional service cost (e.g. repair cost, etc..)
- always up-to-date

„All inclusive":
- hochwertiges Einmalinstrumentarium
- benötigtes Verbrauchsmaterial

Mit einem Griff
- immer schnell einsetzbar
- immer komplett verfügbar
- immer steril (nach einem validierten Aufbereitungsverfahren)
- immer zu 100% funktionsfähig
- immer mit eindeutiger und fallbezogener Kostentransparenz
- immer ohne Nebenkosten (z.B. Reparatur)
- immer auf dem neuesten Stand

For further details see
brochure No. **C82002**

Weitere Informationen finden
Sie in unserem Prospekt **C82001**



SUSI (Single Use Surgical Instruments) Instrumentation is a completely unique range of single use surgical instruments. Utilising proven established design patterns and the use of light high performance polymers for the production provides you with high precision instruments with excellent mechanical properties. The material used allows simple, secure and environmentally friendly incineration utilising existing disposal systems in hospitals.

SUSI instruments are also available individually sterile packed in a dispenser box.

"Pack per case" procedure sets have proven their suitability on hospital wards, in intensive care units, A&E Departments, Outpatient Departments, Nursing homes, GP surgeries & practices and can also be used by ambulance services. For all these areas of application, SUSI procedure sets not only offer medical advantages but also plenty of saving potentials. Should you have specific needs and requirements (i.e custom made sets or economic analysis) please do not hesitate to contact us.

SUSI (Single Use Surgical Instruments) ist eine völlig einzigartige Linie chirurgischer Einmalinstrumente. Hergestellt aus einem leichten Hochleistungspolymere und unter Beibehaltung des vertrauten und bewährten Designs, werden höchste Präzision sowie ausgezeichnete mechanische Eigenschaften erzielt. Der eingesetzte Werkstoff ermöglicht eine sichere, einfache und umweltfreundliche Entsorgung durch Verbrennung im Rahmen des normalen Entsorgungssystems der Klinik.

SUSI Instrumente sind selbstverständlich auch einzeln steril verpackt im Spenderkarton erhältlich.

„Pack per Case" hat sich besonders für den Einsatz auf den Stationen in den Bereichen Intensiv- und Unfallmedizin, in der Ambulanz sowie Pflegediensten, im niedergelassenen Bereich sowie im externen Rettungswesen bewährt. Dabei bietet das SUSI Konzept eine eindeutige und fallbezogene Kostentransparenz und stellt somit eine sowohl medizinisch wie auch wirtschaftlich optimale Lösung dar. Gerne sprechen wir auch über Ihre speziellen Wünsche und Vorstellungen.

SUSI® – Single Use Surgical Instruments

Procedure Sets

Behandlungs-Sets

5063010	SUSI Cardiac Pacemaker Set

5063010	SUSI Herzschrittmacher-Set

Contents	pieces
Cover drape 236 x 300 cm, with slit 9 x 108 cm	1
Anesthesia drape 152 x 250 cm	1
Cover drape, self-adhesive, 75 x 90 cm	2
C-Bend Cover 70 + 43 x 200 cm	1
Tray, 33 x 30 x 6 cm, white	1
Bowl round, 250 ml, light blue	1
Gauze swabs, round, 40 x 40 cm, X-ray marker	5
Gauze compress, 12-fold (ply), 10 x 10 cm, X-ray marker	20
Disposable scalpel size 22	1
Omnifix injection syringe, Luer, Lock, 20 ml	1
Sterican canulla size 1, G 20 x 1 1/2, Ø 0.90 mm, 40 mm, yellow	1
Sucker bag 33 x 41 cm, 2 chambers, self-adhesive	1
Disposable electrode handle	1
SUSI Mosquito forceps, curved, 125 mm	2
SUSI dissecting scissors Metzenbaum, curved, 180 mm	1
SUSI haemostatic forceps Birkett, curved, 185 mm	2
SUSI needleholder Crile Wood, straight, 200 mm	1
SUSI tissue forceps Waughs, 200 mm	1
SUSI sponge forceps, curved, 265 mm	1
SUSI dissecting forceps Cushing, 200 mm	1
SUSI self-retaining retractor Weitlaner, 3 x 4 teeth, 130 mm	1
SUSI retractor Roux, 170 mm	1
Bowl, round, 120 ml, transparent	2
Askina Soft 9 x 10 cm	1
Suture Monosyn violet 3/0 (2), 70 cm, HR26	1
Suture Monosyn undyed 4/0 (1.5), 70 cm, DSMP24	1
Suture Silkam black 0 (3.5), 75 cm, 1 x HR26	1
Operation gown, 130 cm	2
Table bag, 75 x 141 cm	1
Table cover, 137 x 190 cm	1

Order unit: PAK = Pack of 4 sets

Inhalt	Stück
Schlitztuch 236 x 300cm, Schlitz 9 x 108 cm	1
Anästhesietuch 152 x 250 cm	1
Abdecktuch, selbstklebend, 75 x 90 cm	2
C-Bogenhaube 70 + 43 x 200 cm	1
Tray, rechteckig, 6000 ml, weiß, 33 x 30 x 6 cm	1
Schale rund, 250 ml, hellblau	1
Tupfer, extragroß, Rundform 40 x 40 cm, RK	5
Kompressen, 12-fach, 10 x10 cm, RK	20
Cutfix Einmalskalpell, Fig. 22	1
Omnifix-Spritze, Luer, Lock, 20 ml	1
Sterican Kanüle Größe 1, G20x1 1/2, Ø 0,90 mm, 40 mm, gelb	1
Saugertasche 33 x 41cm, PE, 2 Kammer, selbstklebend	1
Elektrodenhalter mit Fingertaster und Messerelektrode	1
SUSI Mosquitoklemme, gebogen, 125 mm	2
SUSI Präparierschere Metzenbaum, gebogen, 180 mm	1
SUSI Arterienklemme Birkett, gebogen, 185 mm	2
SUSI Nadelhalter Crile Wood, gerade, 200 mm	1
SUSI chirurgische Pinzette Waughs, 200 mm	1
SUSI Kornzange, gebogen, 265 mm	1
SUSI anatomische Pinzette Cushing, 200 mm	1
SUSI Wundspreizer Weitlaner, 3 x 4 Zähne, halbscharf	1
SUSI Wundhaken Roux, 170 mm	1
Schale, rund, 120 ml, transparent	2
Askina Soft 9 x 10 cm	1
Monosyn Violett 3/0 (2), 70 cm, HR26	1
Monosyn Ungefärbt 4/0 (1,5), 70CM, DSMP24 (M)	1
Silkam Schwarz 0 (3,5), 75 cm, 1 x HR26	1
OP Kittel, Standard, 130 cm	2
Instrumentiertischbezug, 75 x 141cm	1
Tischabdeckung, 137 x 190cm	1

Bestelleinheit: PAK = Packung à 4 Sets

5062010 SUSI Thorax Drainage Set

Contents	pieces
Plastic tray, 38 x 28 x 3 cm	1
Drape, 75 x 90 cm	1
Surgical gloves, size 7.5, powder free	1
Gauze compress, 10 x 10 cm, 12-fold (ply)	8
Slit compress, 10 x 10 cm, 12-fold (ply)	2
Bowl, round, 250 ml	1
SUSI sponge forceps, curved, 265 mm	1
Drape, 75 x 100 cm, self adhesive	2
Injection syringe, Luer, 10 ml	1
Sterican cannula size 1, G 20 x 1 1/2, Ø 0.90 mm, 40 mm, yellow	1
Sterican cannula, LL, G 18 x 1 1/2, Ø 1.20 mm, 40 mm, pink	1
Sterican cannula, LL, G 20 x 2 3/4, Ø 0.90 mm, 70 mm, yellow	1
Sterican Kanüle size 12, G 22 x 1 1/4, Ø 0.70 mm, 30 mm, black	1
Disposable scalpel size 11	1
SUSI tissue forceps, sharp, 145 mm	1
SUSI Metzenbaum dissecting scissors, 180 mm	1
SUSI needle holder Mayo-Hegar, 150 mm	1
SUSI tubing clamp, 135 mm	1
Suture Synthofil green 0 (3.5), 75 cm, 1 x DS 30	1
Suture Dafilon blue 3/0 (2), 75 cm, 1 x DS 19	1
Askina fix fixation plaster, 15 x 20 cm	2

Order unit: PAK = Pack of 5 sets

5062010 SUSI Thorax Drainage Set

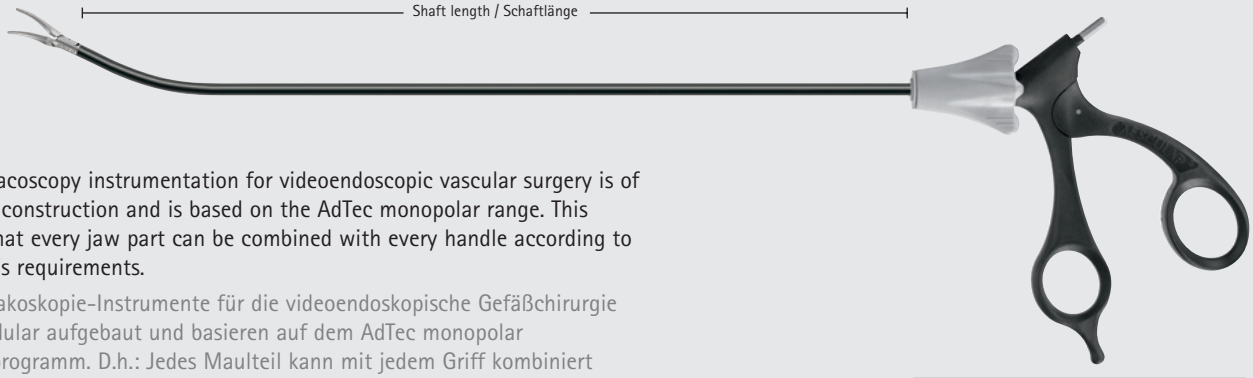
Inhalt	Stück
Kunststoff Tray, 38 x 28 x 3 cm	1
Abdecktuch, 75 x 90 cm	1
OP-Handschuhe, Gr. 7,5 o. Puder	1
Mullkompresse, 10 x 10 cm, 12-fach	8
Schlitzkompresse, 10 x 10 cm, 12-fach	2
Schale, rund, 250 ml	1
SUSI Tupferzange, gebogen, 265 mm	1
Abdecktuch, 75 x 100 cm, selbst klebend	2
Injektions-Spritze, Luer, 10 ml	1
Sterican Kanüle Größe 1, G 20 x 1 1/2, Ø 0,90 mm, 40 mm, gelb	1
Sterican Kanüle, LL, G 18 x 1 1/2, Ø 1,20 mm, 40 mm, rosa	1
Sterican Kanüle, LL, G 20 x 2 3/4, Ø 0,90 mm, 70 mm, gelb	1
Sterican Kanüle Größe 12, G 22 x 1 1/4, Ø 0,70 mm, 30 mm, schwarz	1
Einmalskalpell Fig. 11	1
SUSI chirurgische Pinzette, scharf, 145 mm	1
SUSI Schere n. Metzenbaum, gebogen, 180 mm	1
SUSI Nadelhalter n. Mayo-Hegar, 150 mm	1
SUSI Schlauchklemme, 135 mm	1
Synthofil Grün Nahtmaterial 0 (3,5), 75 cm, 1 x DS 30	1
Dafilon Blau Nahtmaterial 3/0 (2), 75 cm, 1 x DS 19	1
Askina Fix Fixierpflaster 15 x 20 cm	2

Bestelleinheit: PAK = Packung à 5 Sets

INCHES

Endo

Endoscopy
Endoskopie



- The thoracoscopy instrumentation for videoendoscopic vascular surgery is of modular construction and is based on the AdTec monopolar range. This means that every jaw part can be combined with every handle according to the user´s requirements.
- Die Thorakoskopie-Instrumente für die videoendoskopische Gefäßchirurgie sind modular aufgebaut und basieren auf dem AdTec monopolar Produktprogramm. D.h.: Jedes Maulteil kann mit jedem Griff kombiniert werden - je nach den Bedürfnissen des Anwenders.

Standard instrument - complete
Standardinstrument - komplett

	Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
1/1	-	5 mm	310 mm

METZENBAUM
Scissors, serrated, tips curved to the left, with carbide inserts, distal shaft bent
For use with flexible 7 or 13 mm trocars only
Schere gezahnt, Blätter nach links gebogen, mit Hartmetalleinlage, Schaft gebogen
Zur Verwendung mit flexiblen 7 oder 13 mm Trokaren

1/1	-	5 mm	310 mm

Peritoneal scissors, serrated, distal shaft bent
For use with flexible 7 or 13 mm trocars only
Peritonealschere, gezahnt, Schaft gebogen
Zur Verwendung mit flexiblen 7 oder 13 mm Trokaren

1/1	-	5 mm	310 mm

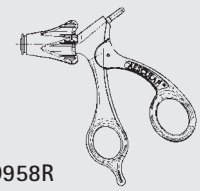
MARYLAND
Fixation and dissecting forceps, curved, distal shaft bent
For use with flexible 7 or 13 mm trocars only
Fass- und Präparierzange, aufgebogen, Schaft gebogen
Zur Verwendung mit flexiblen 7 oder 13 mm Trokaren

Single parts
Einzelkomponenten

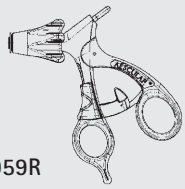
Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PO636R + PM940R	PM983P	PM955R
PM637R + PM940R	PM983P	PM955R
PO669R + PM940R	PM983P	PM955R

Individual components
Individuelle Komponenten

PO958R



PO959R



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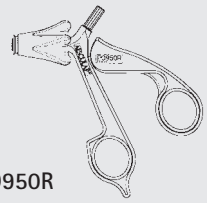
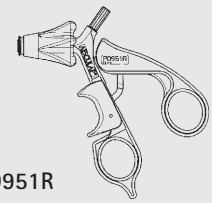
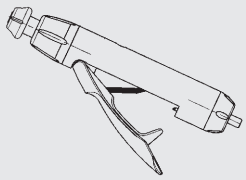


PO951R



PM953R



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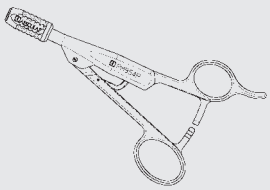
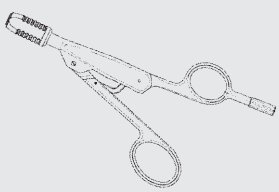
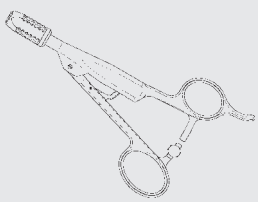
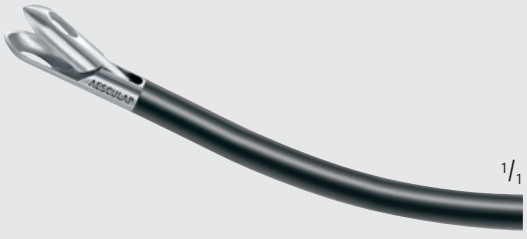


PM955R

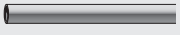


PM957R

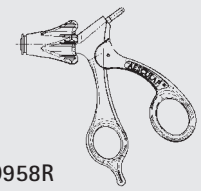


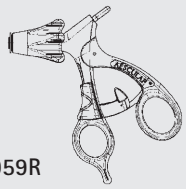
		Standard instrument - complete Standardinstrument - komplett		
		Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
1/1	HEYWOOD-SMITH Tissue and swab forceps, distal shaft bent For use with flexible 13 mm trocars only Organ- und Tupferzange, Schaft gebogen Zur Verwendung mit flexiblen 13 mm Trokaren	-	5 mm	310 mm
1/1	Pike-mouth forceps with reservoir in the jaw, distal shaft gebogen For use with flexible 7 or 13 mm trocars only Hechtmaulzange mit Reservoir im Maul, Schaft gebogen Zur Verwendung mit flexiblen 7 oder 13 mm Trokaren	-	5 mm	310 mm
1/1	NELSON Grasping forceps sharp, distal shaft bent For use with flexible 7 or 13 mm trocars only Fasszange scharf, Schaft gebogen Zur Verwendung mit flexiblen 7 oder 13 mm Trokaren	-	5 mm	310 mm
 1/1	Sample excision forceps, distal shaft bent For use with flexible 7 or 13 mm trocars only Probeexzisionszange, Schaft gebogen Zur Verwendung mit flexiblen 7 oder 13 mm Trokaren	-	5 mm	310 mm

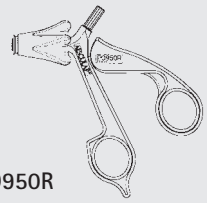
Single parts
Einzelkomponenten

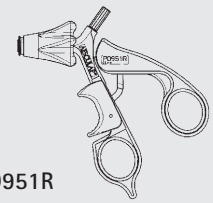
Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PO641R + PM940R	PM983P	PM954R
PO642R + PM940R	PM983P	PM954R
PO638R + PM940R	PM983P	PM954R
PM643R + PM940R	PM983P 	PM954R

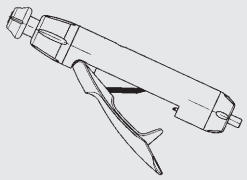
Individual components
Individuelle Komponenten

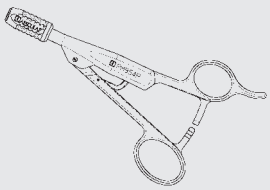
PO958R 

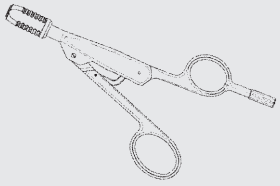
PO959R 

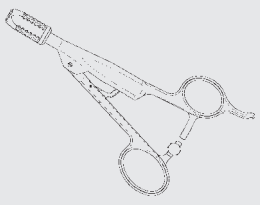
PO950R 

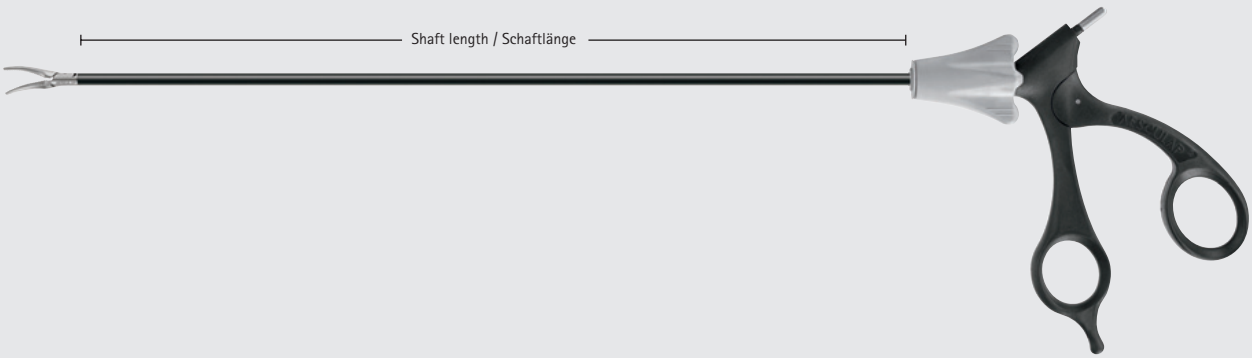
PO951R 

PM953R 

PM954R 

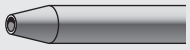
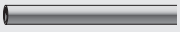
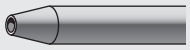
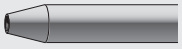
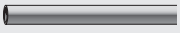
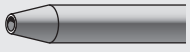
PM955R 

PM957R 

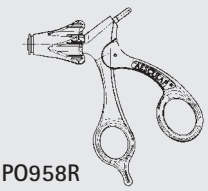


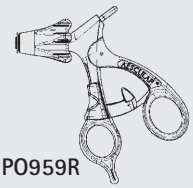
		Standard instrument - complete Standardinstrument - komplett		
		Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
1/1	**BABCOCK** Tissue grasping forceps For use with flexible 13 mm trocars only Organfasszange Zur Verwendung mit flexiblen 13 mm Trokaren	-	5 mm	310 mm
1/1	**ALLIS** Atraumatic tissue grasping forceps For use with flexible 13 mm trocars only Atraumatische Organfasszange Zur Verwendung mit flexiblen 13 mm Trokaren	-	5 mm	310 mm
1/1	**LINDER** Endo lung grasping forceps For use with flexible 13 mm trocars only Endo-Lungenfasszange Zur Verwendung mit flexiblen 13 mm Trokaren	-	5 mm	220 mm
1/1	**LINDER** Endo lung grasping forceps For use with flexible 13 mm trocars only Endo-Lungenfasszange Zur Verwendung mit flexiblen 13 mm Trokaren	-	5 mm	310 mm

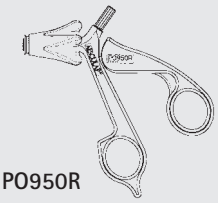
Single parts
Einzelkomponenten

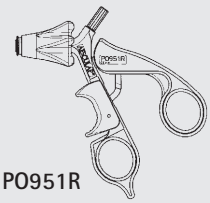
Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff	Individual components Individuelle Komponenten
PM640R	PM973R	PO959R	PM975R  Ø 5/10 mm
PM670R	PM973R 	PO959R	PM975R  Ø 5/10 mm
PM696R	PM970R	PM955R	PM971R  Ø 5/10 mm
PM687R	PM973R 	PM955R	PM975R  Ø 5/10 mm

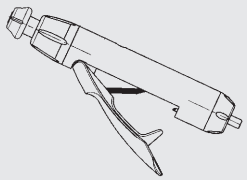
Individual components
Individuelle Komponenten

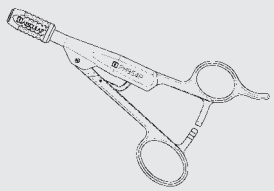
PO958R 

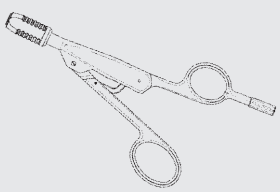
PO959R 

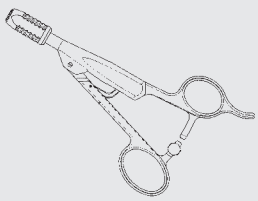
PO950R 

PO951R 

PM953R 

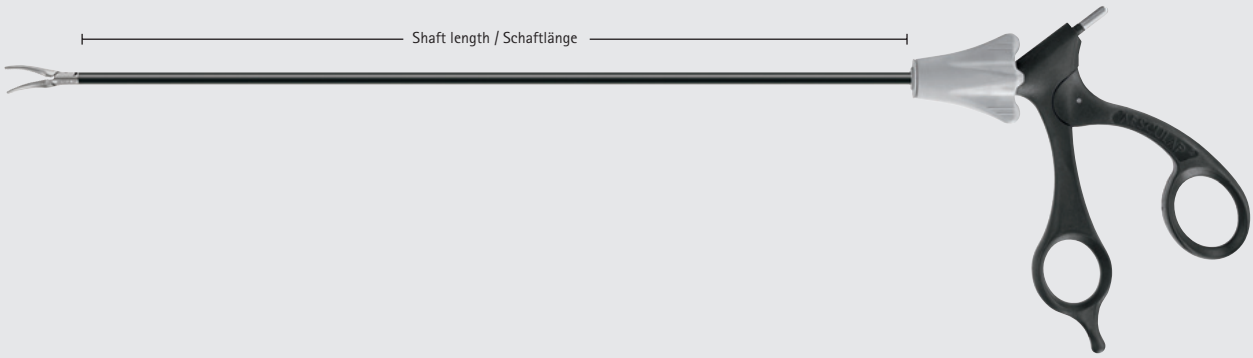
PM954R 

PM955R 

PM957R 

Endo

MILLIMETERS



Standard instrument - complete
Standardinstrument - komplett

Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
PO188R	10 mm	310 mm

1/1

KIEFER
Atraumatic universal and lung forceps
Atraumatische Lungenfasszange

PO189R	5 mm	310 mm

1/1

MASSOUD
Delicate forceps for lateral fixation of structures and vascular grafts during dissecting and anastomosis
For use with flexible 13 mm trocars only
Zange zum seitlichen Fassen von Strukturen und Gefäßprothesen beim Präparieren und während der Anastomose
Zur Verwendung mit flexiblen 13 mm Trokaren

Single parts
Einzelkomponenten

Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PO731R	PM975R	PO959R
PO734R	PM973R	PO958R

Individual components
Individuelle Komponenten

PM973R

PM975R

Ø 5/10 mm

PO958R

PO959R

PO950R

PO951R

PM953R

PM954R

PM955R

PM957R

Curved and special instruments for thoracoscopy
- Adapted to the special anatomical situation in the thorax
- Curved instruments for increasing the degree of freedom
- For used with flexible trocars

Aufgebogenes bzw. spezielles Instrumentarium für die Thorakoskopie
- angepaßt an die besonderen anatomischen Gegebenheiten im Thorax
- aufgebogene Instrumente, um den Freiheitsgrad zu erhöhen
- zum Einsatz mit flexiblen Trokaren

	Diam. Ø	Length Länge
SR554R	5 mm	370 mm

Injection cannula, straight, distal tip diam. 0.8 mm
Injektionskanüle, gerade, distales Ende Ø 0,8 mm

	Diam. Ø	Length Länge
PL657R	5 mm	330 mm

Endo vessel spatula
Endo-Gefäßspatel

1/1

	Diam. Ø	Length Länge
PL659R	5 mm	330 mm

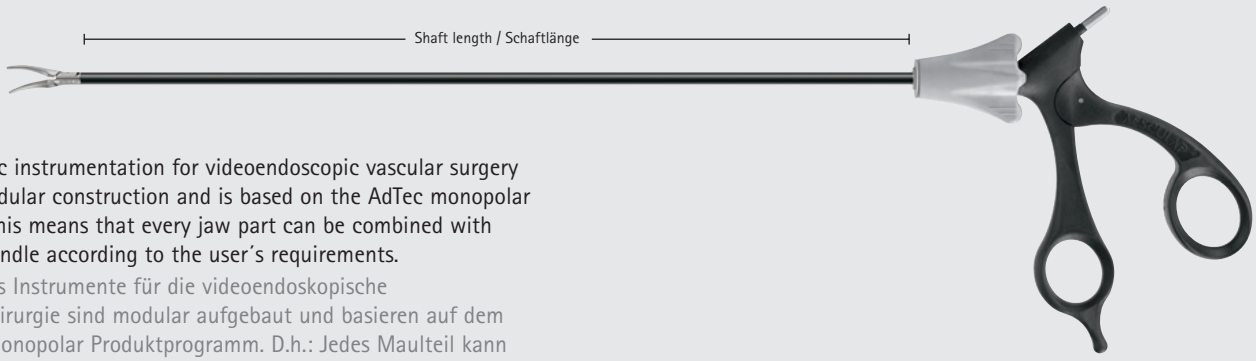
Dissection spatula, semi-sharp
Dissektionsspatel, halbscharf

	Diam. Ø	Length Länge
PL663R	5 mm	310 mm

Endo pleural elevator (acc. to LINDER)
Endo-Pleuraelevator (nach LINDER)

	Diam. Ø	Length Länge
GF327R	5 mm	310 mm

Curved suction and irrigation tube
with trumpet valve and large suction device
Aufgebogenes Saug-Spül-Rohr
mit Trompetenventil und großer Absaugung



- The basic instrumentation for videoendoscopic vascular surgery is of modular construction and is based on the AdTec monopolar range. This means that every jaw part can be combined with every handle according to the user's requirements.
- Die Basis Instrumente für die videoendoskopische Gefäßchirurgie sind modular aufgebaut und basieren auf dem AdTec monopolar Produktprogramm. D.h.: Jedes Maulteil kann mit jedem Griff kombiniert werden - je nach den Bedürfnissen des Anwenders.

Standard instrument - complete
Standardinstrument - komplett

1/1

METZENBAUM
Scissors, serrated, tips curved to the left, with carbide inserts
Schere gezahnt, Blätter nach links gebogen, mit Hartmetalleinlagen

1/1

MINI-METZENBAUM
Scissors, serrated, tips curved to the left, with carbide inserts, PEEK insulation of the distal shaft
Schere gezahnt, Blätter nach links gebogen mit Hartmetalleinlagen, PEEK Isolation des Schaftes

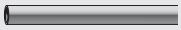
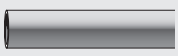
1/1

POTTS-DE MARTELL acc. SAID
Endo vessel scissors
Endo-Gefäßschere

Protection sleeve
in combination with PO014R for a safe introduction of the POTTS-DE MARTELL scissors
For use with 13 mm trocars only
Schutzhülse
zur Verwendung mit PO014R für das sichere Einbringen der POTTS DE MARTELL Schere
Zur Verwendung mit 13 mm Trokaren

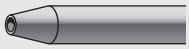
Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
PO004R	5 mm	310 mm
-	5 mm	310 mm
PO014R	10 mm	310 mm
PM941R	12.5 mm	220 mm

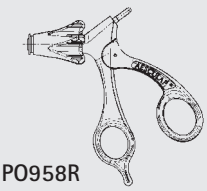
Single parts
Einzelkomponenten

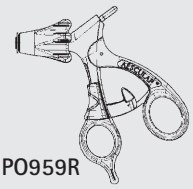
Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PO603R	PM973R 	PO958R
PM710R	PM973R	PO958R
PO682R	PM992R 	PO958R

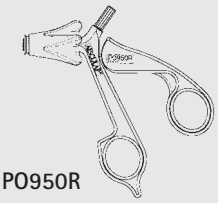
Individual components
Individuelle Komponenten

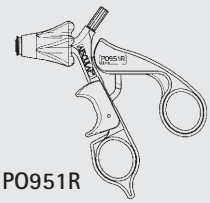
PM975R
Ø 5/10 mm

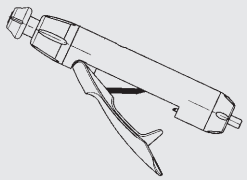
PM975R 
Ø 5/10 mm

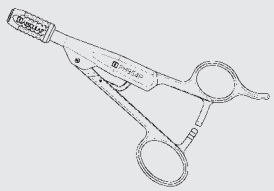

PO958R

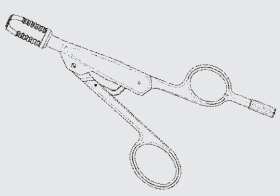

PO959R

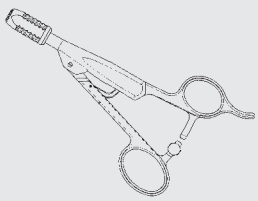

PO950R

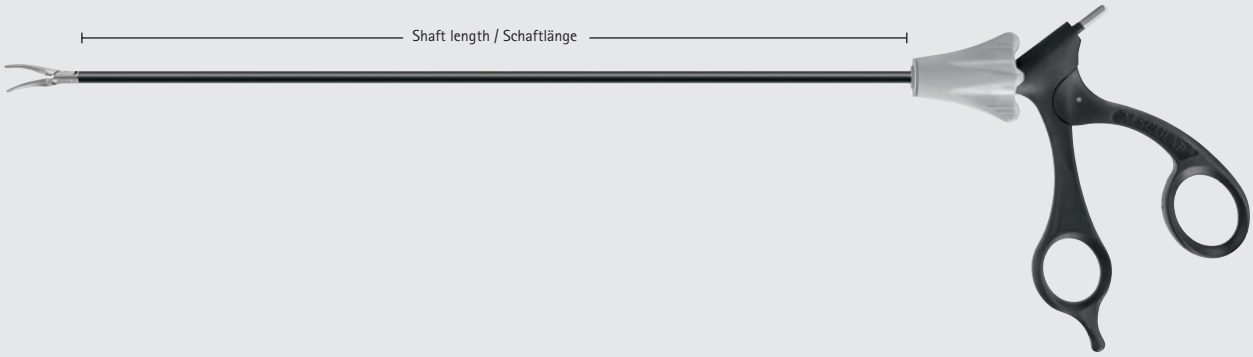

PO951R

PM953R 

PM954R 

PM955R 

PM957R 



Standard instrument - complete
Standardinstrument - komplett

Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
PO102R	5 mm	310 mm

1/1

MARYLAND
Fixation and dissecting forceps, curved
Fass- und Präparierzange, aufgebogen

1/1

PO141R	10 mm	310 mm

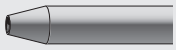
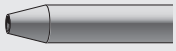
OVERHOLT
Dissecting clamp, 60°
Präparierzange, 60°

1/1

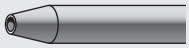
PO103R	10 mm	310 mm

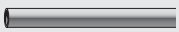
OVERHOLT
Dissecting clamp, 90°
Präparierzange, 90°

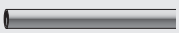
Single parts
Einzelkomponenten

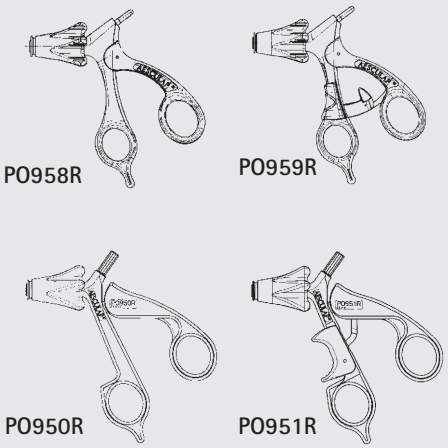
Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PO608R	PM973R	PO958R
PO661R	PM975R 	PO958R
PO606R	PM975R 	PO958R

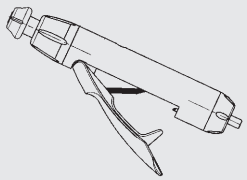
Individual components
Individuelle Komponenten

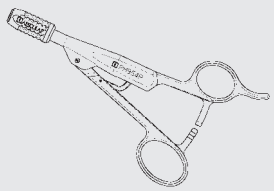
PM975R 
Ø 5/10 mm

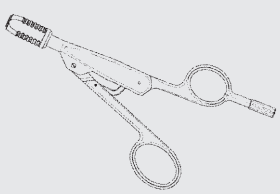
PM973R 
Ø 5 mm

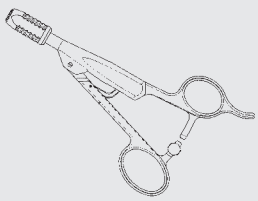
PM973R 
Ø 5 mm

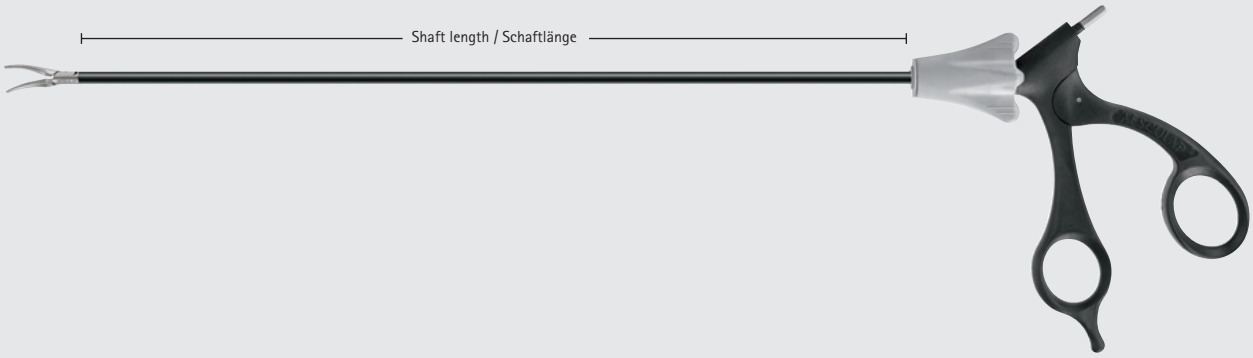


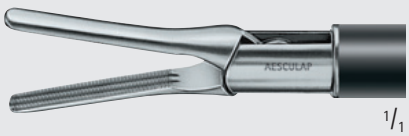
PM953R 

PM954R 

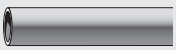
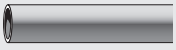
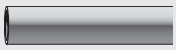
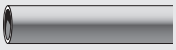
PM955R 

PM957R 

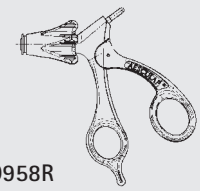


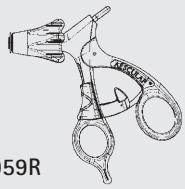
	Standard instrument - complete Standardinstrument - komplett		
	Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
1/1	**BABCOCK** Tissue grasping forceps Organfasszange	**PO196R**	10 mm	370 mm
Toothing DE BAKEY ATRAUMATA® DE BAKEY Zahnung  1/1	**DE BAKEY** Atraumatic clamp Jaw length: 30 mm Atraumatische Klemme Maullänge: 30 mm	-	10 mm	370 mm
Toothing DE BAKEY ATRAUMATA® DE BAKEY Zahnung 1/1	**DE BAKEY** Atraumatic clamp Jaw length: 50 mm Atraumatische Klemme Maullänge: 50 mm	-	10 mm	220 mm
Toothing DE BAKEY ATRAUMATA® DE BAKEY Zahnung 1/1	**DE BAKEY** Atraumatic clamp Jaw length: 50 mm Atraumatische Klemme Maullänge: 50 mm	**PO118R**	10 mm	370 mm

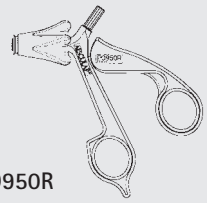
Single parts
Einzelkomponenten

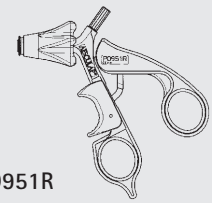
Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PO741R	PM977R 	PO959R
PM651R	PM977R 	PO959R
PM712R	PM992R 	PM957R
PO624R	PM977R 	PO959R

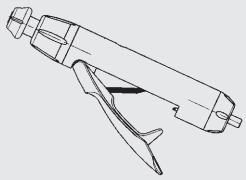
Individual components
Individuelle Komponenten

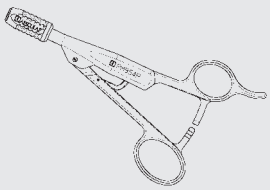
PO958R 

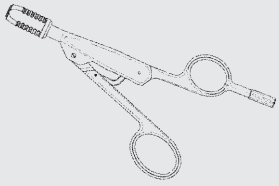
PO959R 

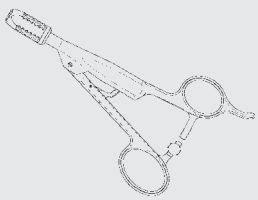
PO950R 

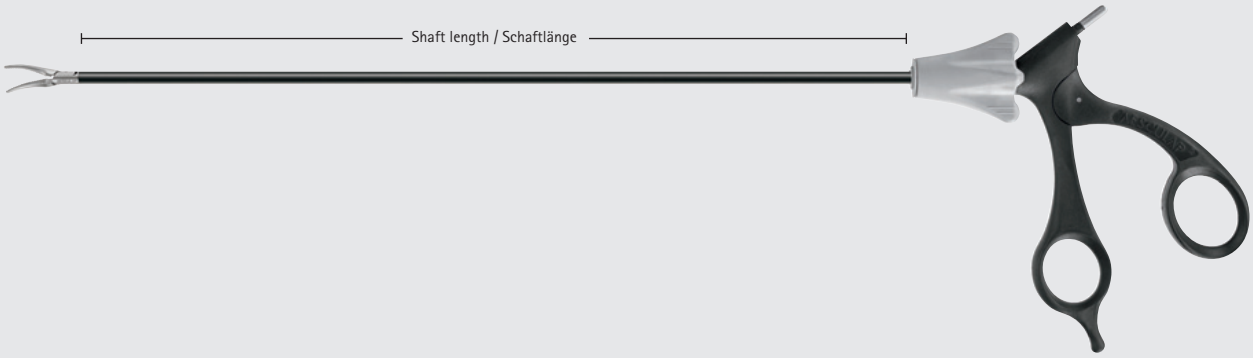
PO951R 

PM953R 

PM954R 

PM955R 

PM957R 



Standard instrument - complete
Standardinstrument - komplett

Toothing DE BAKEY

ATRAUMATA® DE BAKEY Zahnung

DE BAKEY

Atraumatic fixation forceps acc. to LINDER, s-shaped

For use with flexible 13 mm trocars only

Atraumatische Fasszange nach LINDER, s-förmig gebogen

Zur Anwendung mit flexiblen 13 mm Trokaren

Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
PM176R	5 mm	310 mm

Toothing DE BAKEY

ATRAUMATA® DE BAKEY Zahnung

1/1

CRAFOORD

Endo vascular clamp

For use with 10 mm trocars

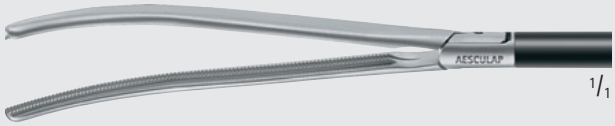
Endo-Gefäßklemme

Zur Verwendung mit 10 mm Trokaren

PM173R	5 mm	310 mm

Toothing DE BAKEY

ATRAUMATA® DE BAKEY Zahnung



1/1

CRAFOORD

Endo vascular clamp

For use with 10 mm trocars

Endo-Gefäßklemme

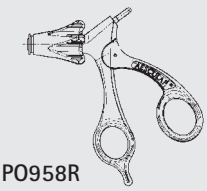
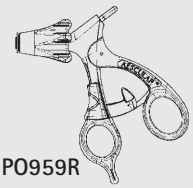
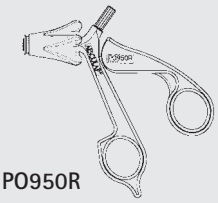
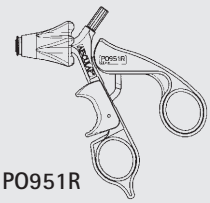
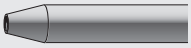
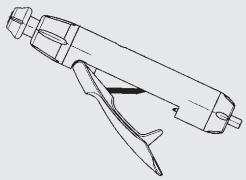
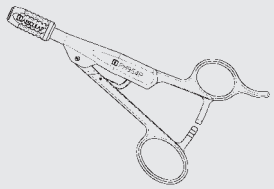
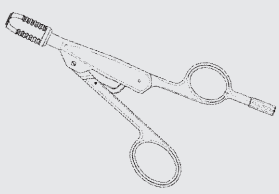
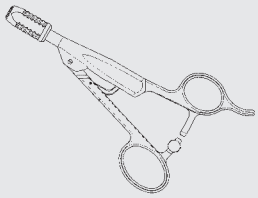
Zur Verwendung mit 10 mm Trokaren

PO152R	5 mm	370 mm

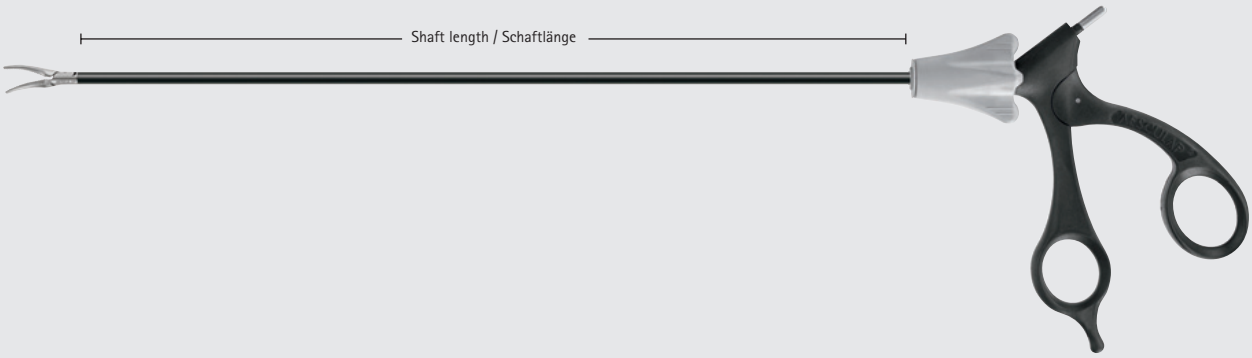
Single parts
Einzelkomponenten

Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PM689R	PM973R	PM957R
PM713R	PM973R	PM957R
PO684R	PM976R	PO959R

Individual components
Individuelle Komponenten

PM975R Ø 5/10 mm	PO958R  PO959R 
PM975R Ø 5/10 mm	PO950R  PO951R 
PM978R  Ø 5/10 mm	PM953R 
	PM954R 
	PM955R 
	PM957R 

Endo

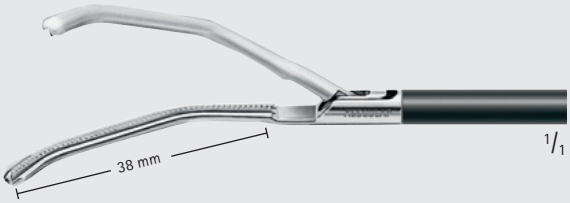


Standard instrument - complete
Standardinstrument - komplett

Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
PM171R	5 mm	310 mm

Toothing DE BAKEY

ATRAUMATA® DE BAKEY Zahnung

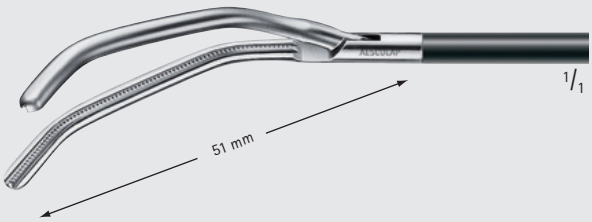


SATINSKY
Atraumatic clamp
For use with flexible 13 mm trocars only
Atraumatische Klemme
Zur Verwendung mit flexiblen 13 mm Trokaren

PM177R	5 mm	310 mm

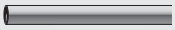
Toothing DE BAKEY

ATRAUMATA® DE BAKEY Zahnung

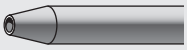


SATINSKY
Atraumatic clamp
For use with flexible 13 mm trocars only
Atraumatische Klemme
Zur Verwendung mit flexiblen 13 mm Trokaren

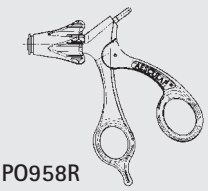
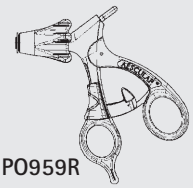
Single parts
Einzelkomponenten

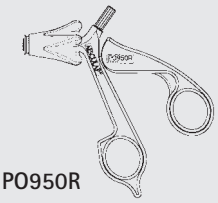
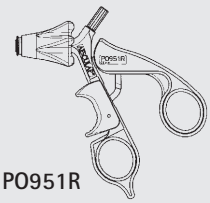
Jaw inserts Mauleinsatz	Insulated outer tube Isoliertes Außenrohr	Handle Griff
PM711R	PM973R 	PM957R
PM616R	PM973R	PM957R

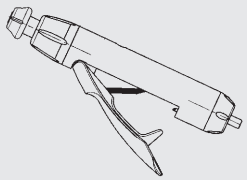
Individual components
Individuelle Komponenten

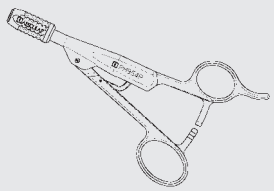
PM975R 
Ø 5/10 mm

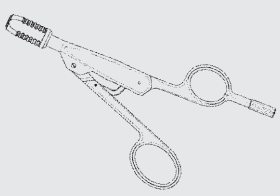
PM975R
Ø 5/10 mm

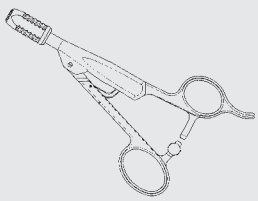
PO958R 
PO959R 

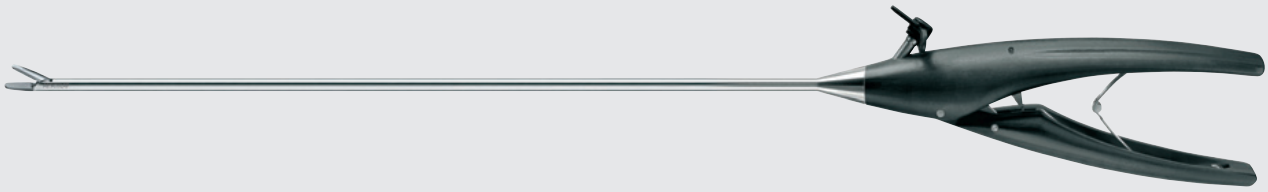
PO950R 
PO951R 

PM953R 

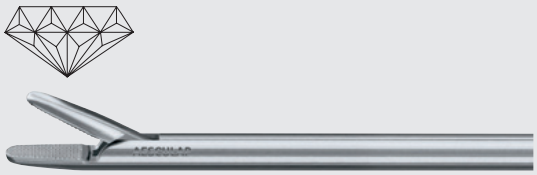
PM954R 

PM955R 

PM957R 



Standard instrument - complete Standardinstrument - komplett		
Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge



1/1

DUROGRIP needle holder, straight
DUROGRIP Nadelhalter, gerade

PL407R	5 mm	310 mm

1/1

DUROGRIP needle holder, curved left
DUROGRIP Nadelhalter, links gebogen

PL408R	5 mm	310 mm

1/1

DUROGRIP needle holder, curved right
DUROGRIP Nadelhalter, rechts gebogen

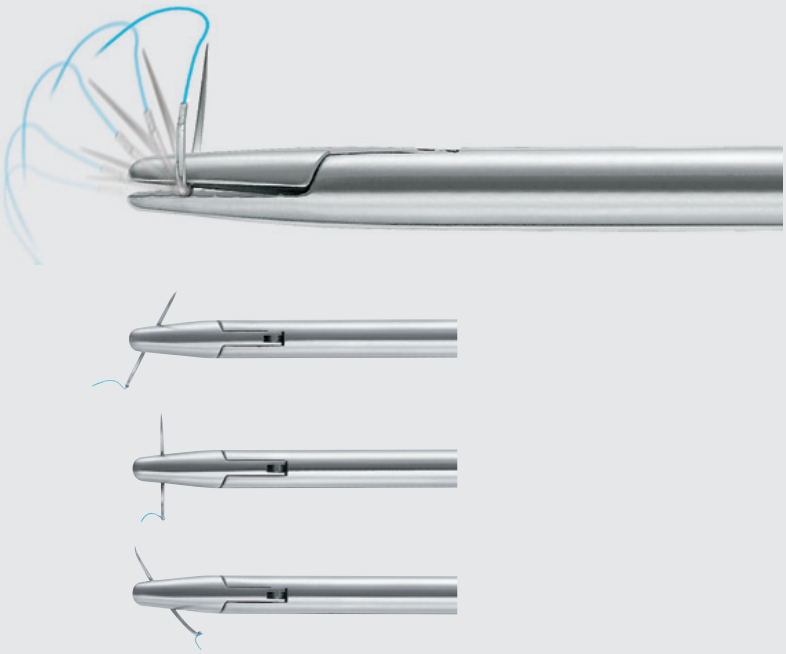
PL413R	5 mm	310 mm

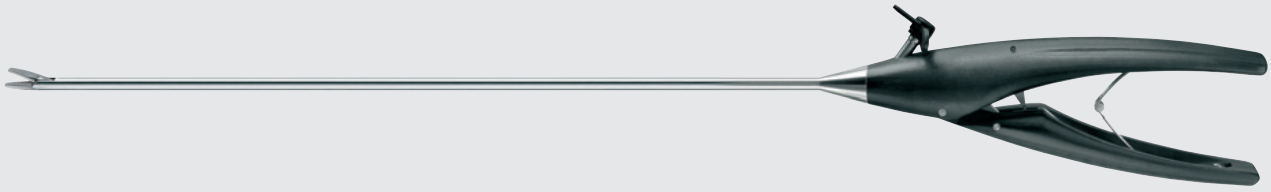
SUPER-righting needle holder

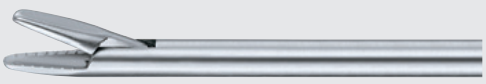
- Allow automatic upright positioning of the needle at different angles to the instrument shaft

Selbstaufrichtender Nadelhalter

- Ermöglicht das selbsttätige Aufrichten der Nadel in unterschiedlichen Winkelstellungen zum Instrumentenschaft







1/1

SUPER-righting needle holder
Selbstaufrichtender Nadelhalter

Standard instrument - complete
Standardinstrument - komplett

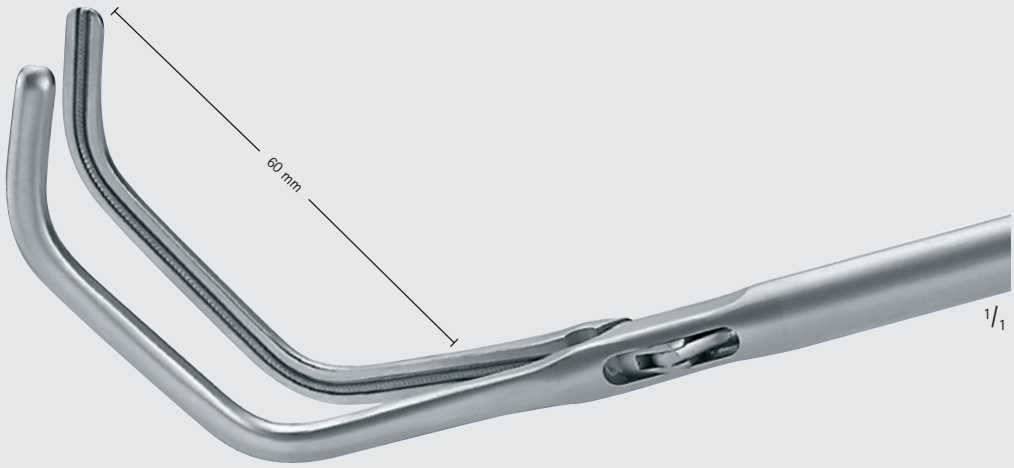
Complete Cat. No. Komplett Art. Nr.	Diam. Ø	Shaft length Schaft-länge
PL414R	5 mm	310 mm

- For improved force transfer, the vascular clamps of the supplementary instruments are of non-modular construction. The instruments have a rinsing port for cleaning. Since the instruments are practically never exchanged during surgery, they can be used directly transcutaneously.

- Für verbesserte Kraftübertragung sind die Gefäßklemmen nicht modular konstruiert. Zur Reinigung sind die Instrumente mit einem Spülanschluss ausgestattet. Da die Instrumente intraoperativ praktisch nicht ausgetauscht werden müssen, können sie direkt transkutan eingebracht werden.

TRAUMATA®
Toothing DE BAKEY

DE BAKEY Zahnung



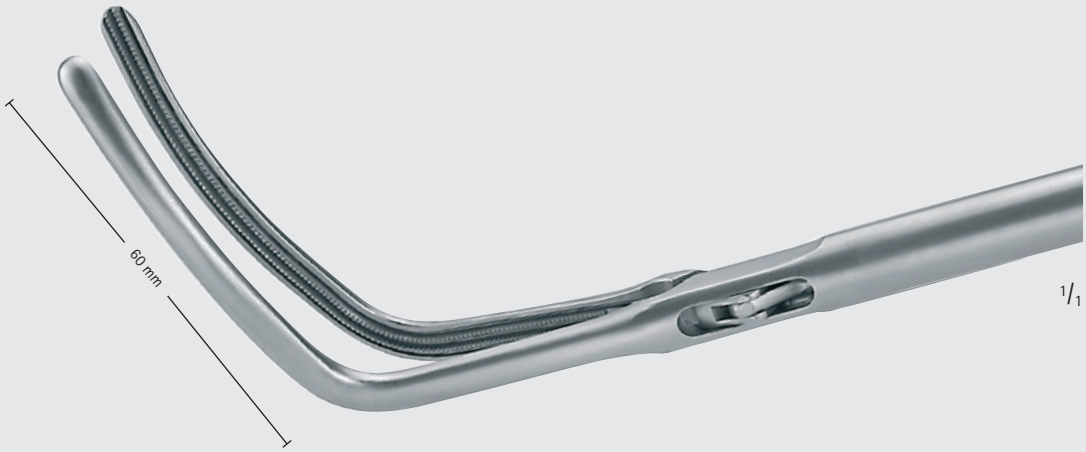
TRAUMATA®
Toothing DE BAKEY

DE BAKEY Zahnung

TRAUMATA®
Toothing DE BAKEY

DE BAKEY Zahnung

- The design of the curved jaw fulfils the requirements while clamping the calcified aorta
- Das gebogene Maulteil erfüllt die Anforderungen beim Klemmen einer kalzifizierten Aorta



Cat. No. Art. Nr.	Diam. Ø	Working length Arbeitslänge	Total length Gesamtlänge
PL210R	10 mm	360 mm	516 mm

SATINSKY mod. ALIMI
Atraumatic distal and proximal clamp, for clamping the area of the anastomosis
Atraumatische distale und proximale Klemme zum Ausklemmen des Anastomosenbereichs

PL211R	10 mm	375 mm	531 mm

SATINSKY mod. ALIMI
Atraumatic distal and proximal clamp, for clamping the area of the anastomosis
Atraumatische distale und proximale Klemme zum Ausklemmen des Anastomosenbereichs

PL212R	10 mm	365 mm	521 mm

DE BAKEY mod. EDOGA
Atraumatic proximal clamp
Atraumatische proximale Klemme

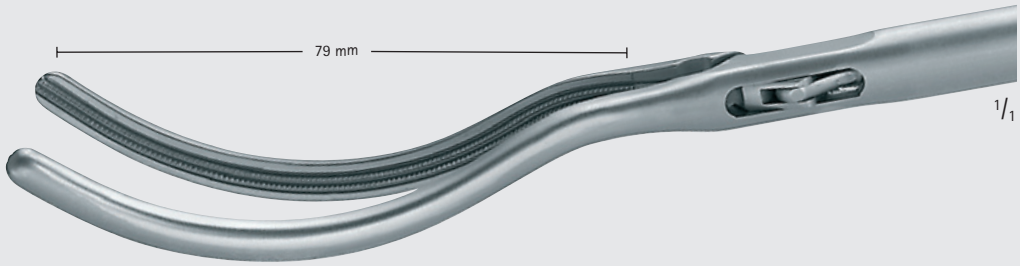
ATRAUMATA®
Toothing DE BAKEY

DE BAKEY Zahnung

ATRAUMATA®
Toothing DE BAKEY

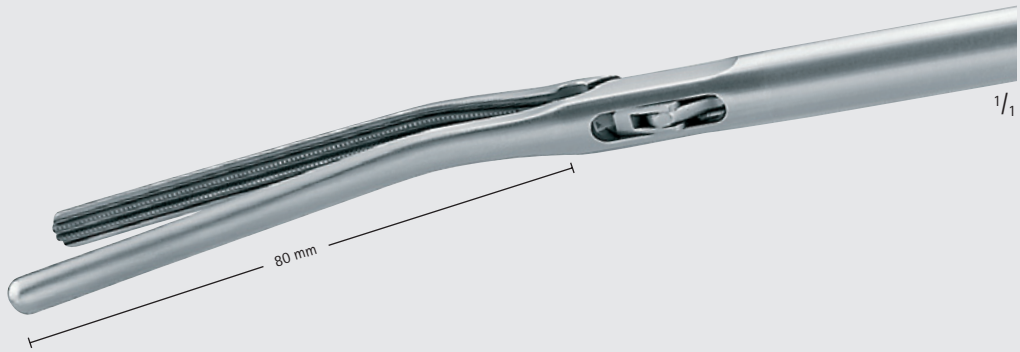
DE BAKEY Zahnung

- The curvature allows extended space for the anastomosis of the graft
- Die Biegung ermöglicht Raum für Prothesenanastomosen



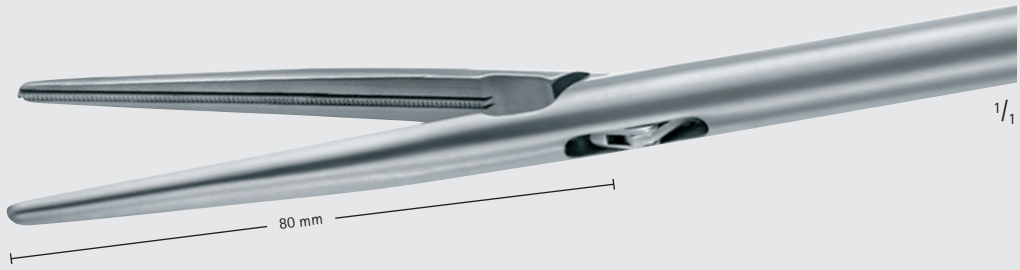
ATRAUMATA®
Toothing DE BAKEY

DE BAKEY Zahnung



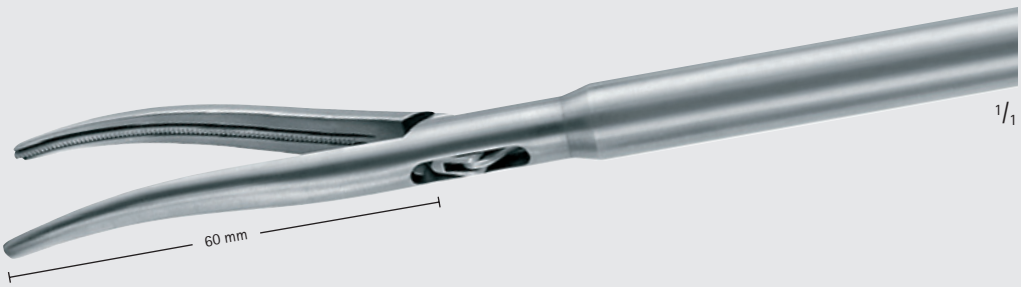
ATRAUMATA®
Toothing DE BAKEY

DE BAKEY Zahnung



ATRAUMATA®
Toothing DE BAKEY

DE BAKEY Zahnung

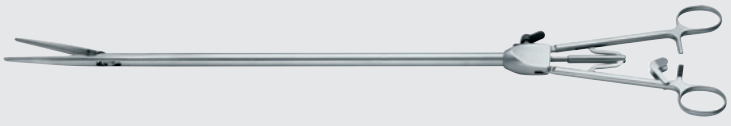


Cat. No. Art. Nr.	Diam. Ø	Working length Arbeitslänge	Total length Gesamtlänge
DE BAKEY mod. ALIMI Atraumatic distal clamp, for parallel clamping of the aorta and lumbal vessel Atraumatische distale Klemme zum gleichzeitigen Abklemmen der Aorta und den abgehenden Lumbalgefäßen	PL213R	10 mm	335 mm	491 mm

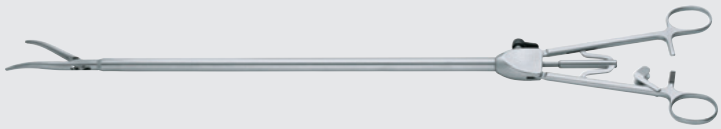
DE BAKEY mod. ALIMI Atraumatic proximal and distal clamp Atraumatische distale und proximale Klemme	PL214R	10 mm	355 mm	508 mm

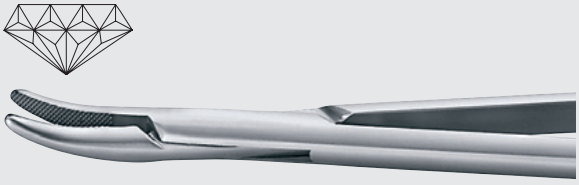
DE BAKEY mod. ALIMI Atraumatic proximal and distal clamp, jaws 10° angled Atraumatische distale und proximale Klemme, Maul 10° abgewinkelt	PL215R	10 mm	335 mm	496 mm

DE BAKEY Atraumatic vascular clamp, straight shaft with straight jaw Atraumatische Gefäßklemme mit geradem Schaft, Maul gerade	PL216R	10 mm	363 mm	530 mm



DE BAKEY Atraumatic vascular clamp, straight shaft with curved jaw Atraumatische Gefäßklemme mit geradem Schaft, Maul gebogen	PL217R	10 mm	340 mm	504 mm





1/1

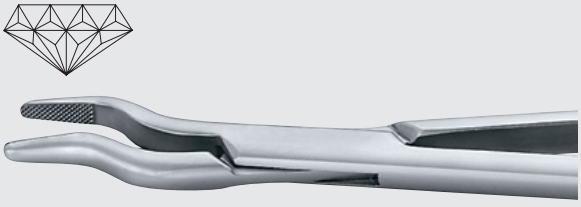
MÜLLER

BM089R

DUROGRIP needle holder

DUROGRIP Nadelhalter

360 mm, 14"



1/1

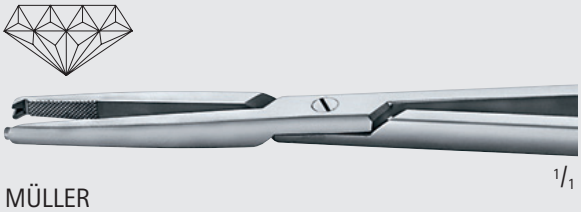
MÜLLER

BM106R

DUROGRIP needle holder

DUROGRIP Nadelhalter

350 mm, 14"



1/1

MÜLLER

BD185R

DUROGRIP suture forceps

DUROGRIP Nahtpinzette

300 mm, 12"

Toothing DE BAKEY
DE BAKEY Zahnung

ATRAUMATA®

1/1

DE BAKEY

FB409R

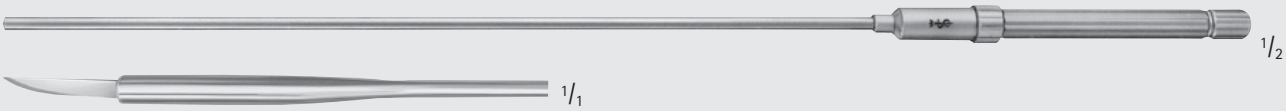
Atraumatic forceps
Atraumatische Pinzette
350 mm, 14"

Wavecut
prevents tissue
from slipping out
Wellenschliff
verhindert das Herausgleiten
des Gewebes

1/1

BC298W

DUROTIP ligature scissors with Wavecut
DUROTIP Fadenschere mit Wellenschliff
350 mm, 14"



	Diam. Ø	Total length Gesamtlänge
BB060R	5 mm	330 mm

Scalpel handle for knife blades, blade retractable

Skalpellgriff für Skalpellklingen, Klinge versenkbar

sterile
steril

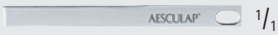
Scalpel blades must be ordered separately

Skalpellklingen bitte separat bestellen

BB361R

PAK = Package of 10 pieces

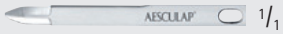
PAK = Packung à 10 Stück



BB362R

PAK = Package of 10 pieces

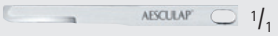
PAK = Packung à 10 Stück



BB363R

ST = Package of 1 piece

ST = Packung à 1 Stück



BB364R

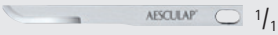
PAK = Package of 10 pieces

PAK = Packung à 10 Stück

BB365R

PAK = Package of 10 pieces

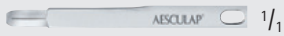
PAK = Packung à 10 Stück



BB367R

PAK = Package of 10 pieces

PAK = Packung à 10 Stück



BB369R

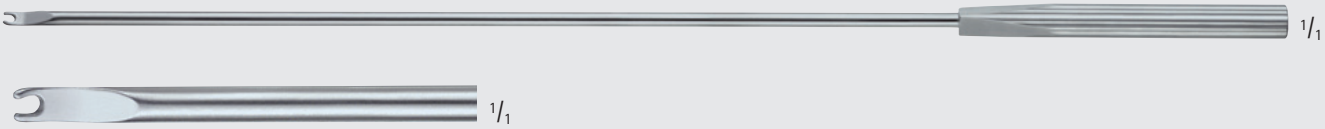
ST = Package of 1 piece

ST = Packung à 1 Stück

	Diam. Ø	Shaft length Schaftlänge
PO193R	5 mm	330 mm

Suture hook

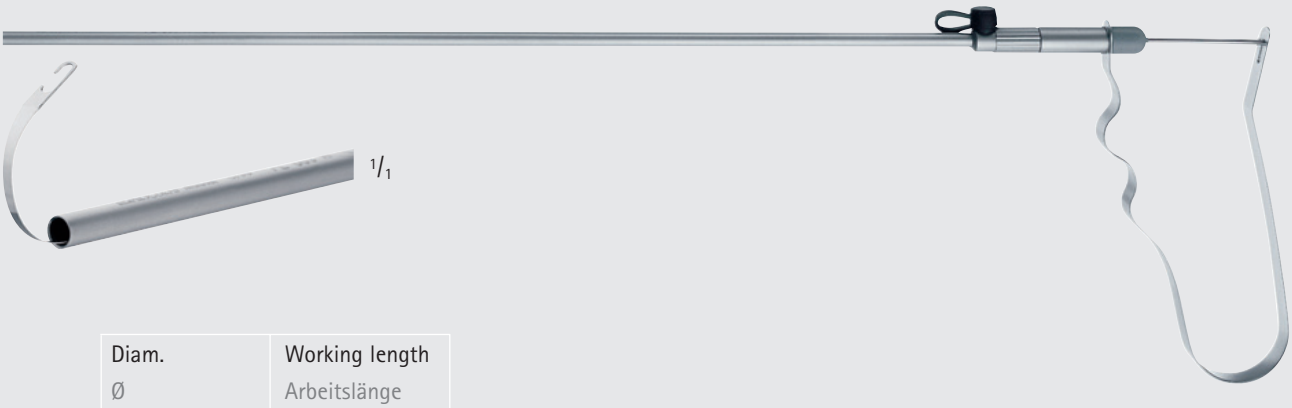
Nahthäkchen



	Diam. Ø	Shaft length Schaftlänge
PL432R	5 mm	310 mm

Knot guide instrument for extracorporal knots acc. to KUTHE

Knotenführungsinstrument für extrakorporale Knoten nach KUTHE

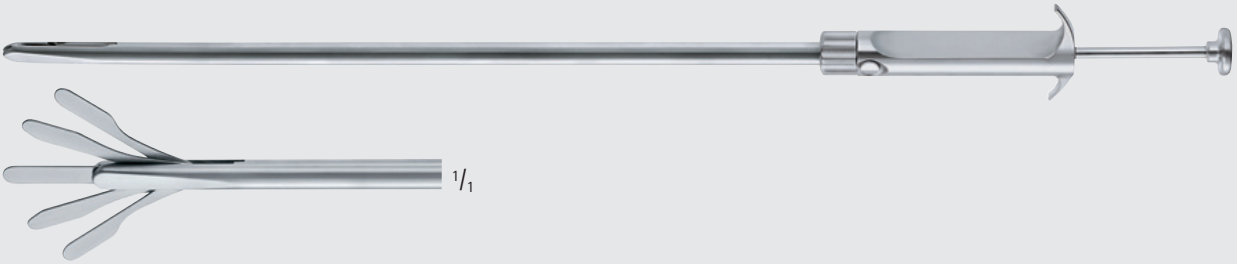


	Diam. Ø	Working length Arbeitslänge
PL669R	5 mm	310 mm

Endo ligature needle
Endo-Unterbindungsnadel

	Diam. Ø	Working length Arbeitslänge
PL661R	5 mm	400 mm
PL662R	10 mm	400 mm

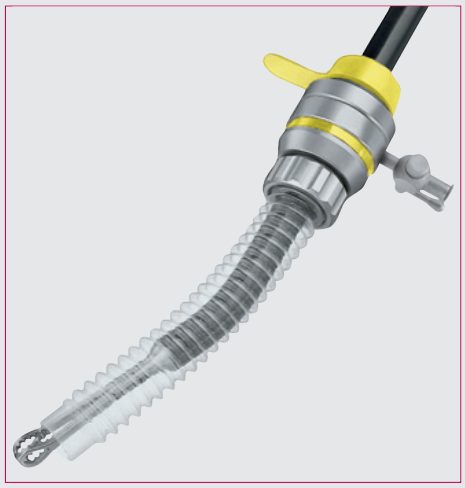
Retraction instruments for fine structures
Proximal instrument end can be manually angled (30°, 45°, 75°, 90°)
Retraktionsinstrumente für feine Strukturen
Proximales Instrumentenende manuell abwinkelbar (30°, 45°, 75°, 90°)



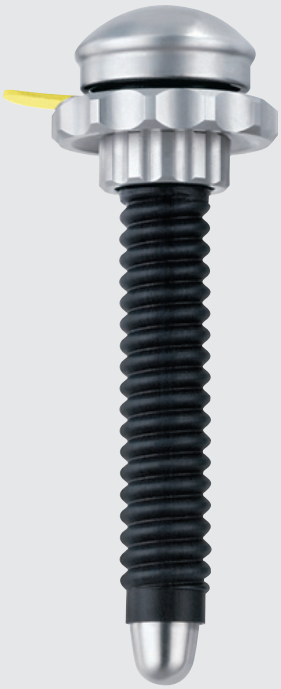
	Diam. Ø	Working length Arbeitslänge
PL680R	10 mm	400 mm

Fan retractor
Fächerretraktor

- **Flexible thoracoscopy trocars, complete**
  - Length: 75 mm
  - Without valve
  - With obturator
- **Flexible Thorakoskopie Trokare, komplett**
  - Länge: 75 mm
  - Ohne Ventilfunktion
  - Mit Obturator



Ø 7 mm	Ø 13 mm



EJ830R

EJ595R

	Diam. Ø	Length Länge
EJ804P	7 mm	75 mm

Trocar shaft
(spare part)
Sales unit:
PAK = Package of 3 pieces

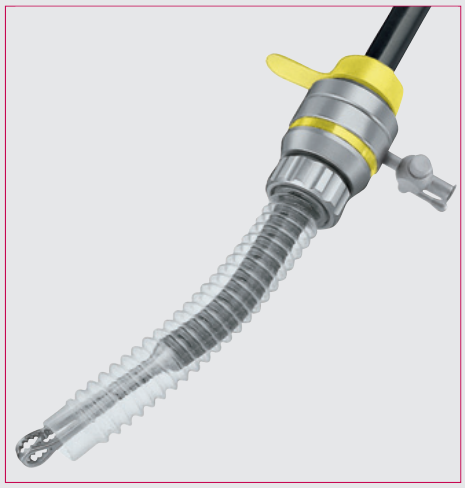
Trokarschaft
(Ersatzteil)
Bestelleinheit:
PAK = Packung à 3 Stück

	Diam. Ø	Length Länge
EJ824P	13 mm	75 mm

Trocar shaft
(spare part)
Sales unit:
PAK = Package of 3 pieces

Trokarschaft
(Ersatzteil)
Bestelleinheit:
PAK = Packung à 3 Stück

- **Flexible laparoscopy trocars, complete**
  - Length: 100 mm
  - With valve
  - With obturator
- **Flexible Laparoskopie Trokare, komplett**
  - Länge: 100 mm
  - Mit Ventilfunktion
  - Mit Obturator



Ø 7 mm	Ø 13 mm

including sealing cap
EJ642P

inklusive Dichtkappen-Set
EJ642P

EJ800R
for curved instruments
with diam. 5 mm
für gebogene Instrumente
mit Ø 5 mm

EJ590R
for curved instruments
with diam. 10 mm
für gebogene Instrumente
mit Ø 10 mm

	Diam. Ø	Length Länge
EJ806P	7 mm	100 mm

Trocar shaft
(spare part)
Sales unit:
PAK = Package of 3 pieces

Trokarschaft
(Ersatzteil)
Bestelleinheit:
PAK = Packung à 3 Stück

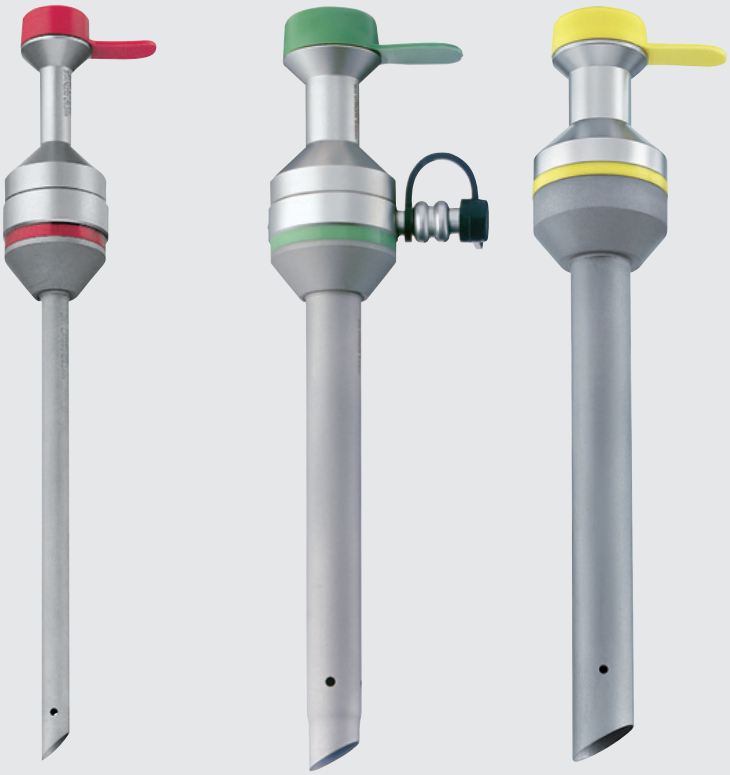
	Diam. Ø	Length Länge
EJ826P	13 mm	100 mm

Trocar shaft
(spare part)
Sales unit:
PAK = Package of 3 pieces

Trokarschaft
(Ersatzteil)
Bestelleinheit:
PAK = Packung à 3 Stück

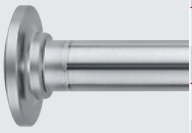
- **Rigid MIT Trocar system**
  - Length: 110 mm
  - With valve
  - Without obturator
- **Starres MIT Trokar System**
  - Länge: 110 mm
  - Mit Ventilfunktion
  - Ohne Obturator

Ø 5.5 mm	Ø 10 mm	Ø 13 mm
	with insufflation connection mit Insufflations-Anschluss	



EJ701R EJ751R EJ580R

Diam. / Ø	5.5 mm	10 mm	13 mm	
	EJ715R	EJ755R	EJ586R	triangular Dreikant
	EJ716R	EJ756R	EJ587R	conical sharp keglig-spitz
	EJ718R	EJ558R	EJ588R	conical blunt keglig-stumpf



EJ558R–EJ756R

Obturators

Trokar-Dorne

www.endoskopie-katalog.de
www.endoscopy-catalog.com

Endo

MILLIMETERS

Full HD 3 Chip camera system with 1080p60 technology

- Full HD image quality (1920 x 1080 pixel) provides a crystal-clear image of unprecedented quality
- Full HD camera provides 16:9 widescreen images for increased lateral image viewing
- Up to 6 times higher image resolution compared to standard cameras
- Full HD camera with advanced High-Definition-3-Chip technology produces 3-D lifelike images with outstanding depth perception
- Progressive scan technology provides a lag-free image
- Speciality modes produce best possible images in every situation
- Multi-speciality HD camera works with any standard endoscope
- Integrated optical parfocal zoom (2.5x) and digital zoom (2x) for maximum detail enhancement
- Easy operation of camera functions via integrated control buttons in the camera head
- Ergonomic camera head for fatigue-free working
- Present camera settings are displayed on the LCD monitor
- Detachable replacement camera cable for easy and quick exchange - locally

Accessories (to be ordered separately)

PV441	Replacement camera cable, 3 m
PV442	Camera head with cable and zoom coupler

Full HD Camera System, complete

PV440

CCD (Inch)	3 x 1/3"
Camera Resolution	1920 x 1080 Pixel
Scan mode	Progressive Scan
Modes	5 Presettings 3 User Settings
Video Signal Outputs	DVI-D 1080p HD-SDI 1080i 720 p HD-RGB 1080i 720 p S-Video Video (composite)
Buttons on Camera Head	2 (6 functions)
Shutter Speed	1/50 – 1/10 000 s
Zoom	Optical (18-45 mm) & digital (2 x)
Color Bars	Yes
Dimensions camera head w/o zoom coupler (w x h x d)	40 x 53 x 75 mm
Dimensions CCU (w x h x d)	305 x 89 x 305 mm
Weight CCU	4.5 kg
Weight camerahead w/o zoom	140 g
Length Camera Cable	3 m
On-screen Display	Yes
Power Supply	100-240 VAC, 50-60 Hz
Maximum Power Consumption	45 VA
Tested acc. to norm	EN 60601-1, EN 60601-1-2
Safety Class acc. to EN 60601-1	I
Protection level acc. to EN 60601-1	CF
Classification acc. to directive 93/42/EEC	I

Full HD 3 Chip Kamerasystem mit 1080p60 Technologie

- Full HD Bildqualität (1920x1080 Pixel) liefert kristallklare Bilder in höchster Qualität
- Das 16:9 Bildformat erweitert das Blickfeld und ermöglicht das frühere Erkennen der Instrumente
- Die Kamera bietet eine bis zu 6-fach höhere Auflösung im Vergleich zu konventionellen Standardkameras
- Wegweisende 3-Chip Full HD Technologie liefert 3D-ähnliche Bilder
- Progressive-Scan-Technologie garantiert ein verzögerungsfreies Bild auf dem Monitor
- Spezielle Modi optimieren die Kameraeinstellungen bestmöglichst auf das jeweilige Einsatzgebiet
- Für gestochen scharfe Bilder bis ins kleinste Detail empfehlen wir den Einsatz der neuen Aesculap Full HD Endoskope
- Das weltweit erste 5-fach Zoom bei einer Endoskopiekamera zeigt kleinste Details in perfekter Full HD Qualität
- Alle wichtigen Kamerafunktionen können über die integrierten Bedientasten aktiviert werden
- Ergonomischer Kamerakopf für ermüdungsfreies Arbeiten
- Aktuelle Kameraeinstellungen werden am Monitor wiedergegeben
- Das Kameraersatzkabel PV441 ermöglicht den schnellen Austausch vor Ort

Zubehör (extra zu bestellen)

PV441	Kameraersatzkabel, 3 m
PV442	HD Kamerakopf mit Zoom und Kabel

Full HD Kamera System, komplett

PV440

CCD (Zoll)	3 x 1/3"
Kamera Auflösung	1920 x 1080 Pixel
Scan Modus	Progressive Scan
Modi	5 Voreinstellungen 3 frei wählbare Einstellungen
Videosignalausgänge	DVI-D 1080p HD-SDI 1080i 720 p HD-RGB 1080i 720 p S-Video Video (BNC)
Knöpfe am Kamerakopf	2 (6 Funktionen)
Shuttergeschwindigkeit	1/50 – 1/10 000 s
Zoom	Optisch (18-45 mm) & digital (2 x)
Farbbalken	Ja
Abmessung Kamerakopf ohne Endoobjektiv (B x H x T)	40 x 53 x 75 mm
Abmessungen CCU (B x H x T)	305 x 89 x 305 mm
Gewicht CCU	4.5 kg
Gewicht Kamerakopf ohne Endoobjektiv	140 g
Länge Kamerakabel	3 m
On-screen Display	Ja
Netzspannung	100-240 VAC, 50-60 Hz
Maximale Leistungsaufnahme	45 VA
Norm	EN 60601-1, EN 60601-1-2
Schutzklasse nach EN 60601-1	I
Anwendungsteil EN 60601-1	CF
Klassifikation nach 93/42/EEC	I

Exceptional High Definition medical monitor

- Image lag reduction for super fast video imaging (10 - 16 ms response time)
- Wide viewing angle (178°)
- VESA 100 Standard for adaptation to monitor stand, wall or ceiling mounting
- Multilingual user menu (language, color, brightness...)
- Low power consumption
- Lightweight construction
- Space-saving design
- Automatic selection of video signal
- Multi-Modality (PIP)

Accessories (to be ordered separately)

PV909 Stand for flat panel display (100 mm VESA mounting)

23" Full HD flat panel display

PV944

Panel Quality	With anti-reflection safety glass
Viewable Diagonal (Inches)	23.0
Brightness (cd/m²)	500
Resolution (Pixel)	1920 x 1200 (Full-HD)
Viewing Angle Horizontal/Vertical	178°/178°
Aspect Ratio	16:10
Contrast Ratio	700:1
Video signal inputs	DVI (DVI-D) SDI/HD-SDI (BNC) RGB/HD-RGB (4 x BNC or HD-15) S-VHS (DIN-4 and 2x BNC) Composite (BNC) VGA (HD-15)
Video signal outputs	DVI (DVI-D) SDI/HD-SDI (BNC) RGB/HD-RGB (4 x BNC or HD-15) S-VHS (DIN-4) Composite (BNC)
Control Inputs	RS-232 (DB-9)
Suitable stand	PV909 (optional)
Menu Control	7 languages
VESA-Standard Mounting System	100 mm
Maximum Power Consumption	80 VA
Dimensions (w x h x d)	597 x 401 x 100 mm
Weight	7.1 kg
Power Supply	Input 100-240 V AC, 50-60 Hz Output 24 V DC
Tested acc. to norm	EN 60601-1, EN 60601-1-2
Safety Class acc. to EN 60601-1	I
Classification acc. to directive 93/42/EEC	I

Die „Königsklasse" der medizinischen Monitore

- Verzögerungsfreier Bildaufbau (10-16 ms Reaktionszeit)
- Großer Bildbetrachtungswinkel (178°)
- VESA Standard Montagebohrungen 100 mm
- Mehrsprachiges Benutzermenu (Sprache, Farb- und Helligkeits-Einstellungen)
- Geringer Stromverbrauch
- Geringes Gewicht
- Platzsparendes Design
- Automatische Videosignal-Auswahl
- Bild-in-Bild Modus (PiP)

Zubehör (extra zu bestellen)

PV909 Standfuß für Flachbildschirmmonitor (100 mm VESA Standard)

23" Full HD Flachbildschirm

PV944

Bildschirmqualität	Mit antireflektierendem Schutzglas
Sichtbare Diagonale (Zoll)	23.0
Helligkeit (cd/m²)	500
Auflösung (Bildpunkte)	1920 x 1200 (Full-HD)
Betrachtungswinkel horizontal/vertikal	178°/178°
Bildformat	16:10
Kontrastverhältnis	700:1
Videosignaleingänge	DVI (DVI-D) SDI/HD-SDI (BNC) RGB/HD-RGB (4 x BNC oder HD-15) S-VHS (DIN-4 und 2x BNC) Composite (BNC) VGA (HD-15)
Videosignalausgänge	DVI (DVI-D) SDI/HD-SDI (BNC) RGB/HD-RGB (4 x BNC oder HD-15) S-VHS (DIN-4) Composite (BNC)
Schnittstelle	RS-232 (DB-9)
Passender Standfuß	PV909 (optional)
Menüsteuerung	7 Sprachen
VESA-Standard Montage-bohrungen	100 mm
Maximale Leitungsaufnahme	80 VA
Abmessungen (B x H x T)	597 x 401 x 100 mm
Gewicht	7,1 kg
Netzspannung	Input 100-240 V AC, 50-60 Hz Output 24 V DC
Norm	EN 60601-1, EN 60601-1-2
Schutzklasse nach EN 60601-1	I
Klassifikation nach 93/42/EEC	I

Xenon Light Source

AXeL 180

OP930

System	Xenon
Integrated light cable connection	Aesculap / Storz
Integrated Spare lamp	No
Lamp Output	180 W
Lamp Voltage	15 V/12 A
Lamp life time	> 500 hrs
Lamp Intensity Increase	Continuously
Color Temperature	6000 K
Power Supply	100-240 VAC, 50-60Hz
Maximum Power Consumption	240 VA
Dimensions (w x h x d)	305 x 125 x 305 mm
Weight	6.4 kg
Tested acc. to norm	EN 60601-1, EN 60601-1-2
Safety Class acc. to EN 60601-1	I
Protection level acc. to EN 60601-1	BF
Classification acc. to directive 93/42/EEC	II a

Special features

- Xenon technology provides a very high light intensity and ensures an optimum color reproduction of the camera due to the Xenon color temperature of 6.000 K (daylight)
- Our light source sets new standards regarding the operating noise due to the integrated special "whisper ventilators"
- The light source is extremely easy to use
- The light source design is compact and light
- The light intensity is continuously adjustable
- The life time of Xenon lamps is much longer compared to halogen lamps – guaranteed
- The light source is fully compatible to light guide cables of other make by using suitable adapters

Xenon Lichtquelle

AXeL 180

OP930

System	Xenon
Integrierter Lichtleitkabel-Anschluss	Aesculap / Storz
Integrierte Ersatzlampe	Nein
Lampenleistung	180 W
Lampenspannung	15 V / 12 A
Lampenlebensdauer	> 500 Stunden
Lichtintensität regelbar	Stufenlos
Farbtemperatur	6000 K
Netzspannung	100-240 V AC, 50/60Hz
Maximale Leistungsaufnahme	240 VA
Abmessungen (B x H x T)	305 x 125 x 305 mm
Gewicht	6,4 kg
Norm	EN 60601-1, EN 60601-1-2
Schutzklasse nach EN 60601-1	I
Anwendungsteil nach EN 60601-1	BF
Klassifikation nach 93/42/EEC	II a

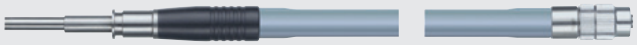
Besondere Merkmale

- Die Xenon-Technologie liefert eine sehr hohe Lichtintensität und garantiert eine natürliche Farbwiedergabe der Kamera aufgrund der Xenon Farbtemperatur von 6.000 K (Tageslicht)
- Die Lichtquelle setzt neue Maßstäbe beim Arbeitsgeräusch dank der speziell integrierten „Flüsterlüfter"
- Die Lichtquelle ist extrem einfach zu bedienen
- Die Lichtquelle weist sich durch eine kompakte und leichte Bauweise aus
- Die Lichtintensität ist manuell stufenlos regelbar
- Die Lebensdauer von Xenon Lampen ist um ein vielfaches länger als die von Halogen Lampen – garantiert
- Die Lichtquelle ist voll kompatibel zu Lichtleitern anderer Hersteller durch Verwendung bestimmter Adapter

OP931	Xenon replacement bulb 15 V/180 W

Adapter for Xenon light source OP930

OP936	Wolf
OP937	Olympus (Xenon)
OP938	ACMI



Light guide cables, autoclavable, diam. 4.8 mm

OP906	Length: 180 cm
OP913	Length: 250 cm
OP914	Length: 350 cm

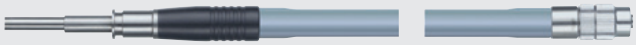
Light guide cables tester

OP917	Measures the light transmission of Aesculap/Storz/Olympus light guide cables up to diam. 6 mm

OP931	Xenon Ersatzlampe 15 V / 180 W

Adapter für Xenon Lichtquelle OP930

OP936	Wolf
OP937	Olympus (Xenon)
OP938	ACMI



Lichtleitkabel, autoklavierbar, Ø 4.8 mm

OP906	Länge: 180 cm
OP913	Länge: 250 cm
OP914	Länge: 350 cm

Lichtleitkabeltester

OP917	Misst die Lichttransmission aller Aesculap/ Storz/Olympus Lichtleitkabel bis Ø 6 mm.

Easy-to-use patient documentation system

- Archiving of still images, video sequences and audio data
- Very easy operation via camera head, mouse or optional touch screen monitor
- Can be integrated into any existing endoscopy tower
- Image data storage on DVD/CD-ROM, USB, hard drive or network
- Search function for display of existing patient data
- Equipped with common video input and output types
- Fully network-compatible
- Data printout through local printer/ network printer
- Still images can be added with written comments
- Still images can be extracted out of an existing video
- Optional DICOM 3.0 compatibility

Accessories (to be ordered separately)

PV428	Serial connecting cable from Eddy DVD to PV941 Flat Panel Display, 3 m
PV942	DICOM Upgrade Set
PV963	S-VHS-Connecting cable, 2 m
PV968	Remote control cable (for PV440 only), 2.0 m 3.5 mm/3.5 mm Stereo Mini Jack

Digital Documentation System

Eddy DVD

PV820

DVD System	DVD-R/-RW; DVD+R/+RW
Color System	PAL, NTSC
Still image format	JPEG, Bitmap
Video format	MPEG-2
Number of MPEG-2 compression rates	3 (high quality, standard, long play)
Capturing of video sequence	On hard drive, DVD/CD, USB or network
Capturing still images during video recording	Yes
Video Signal Inputs	1 x S-VHS
Video Signal Outputs	1 x DVI-I 1 x S-VHS
Other outputs	1 x RJ45 for Network 1 x Remote function 4 x USB 2 x RS232 (9 pin D-sub)
System	Intel Prozessor 512 MB RAM
Networkable via Ethernet Interface	Yes
Operation via camera head, mouse or touch screen	Yes
Can be integrated into any endoscopy tower	Yes
Hard drive capacity	80 GB
Operating System	Windows XP
Power Supply	100-240V AC, 50-60 Hz
Maximum Power Consumption	80 VA
Dimensions (w x h x d)	305 x 125 x 305 mm
Weight	8 kg
Tested acc. to norm	EN 60601-1, EN 60601-1-2
Safety Class acc. to EN 60601-1	I
Classification acc. to directive 93/42/EEC	I

Extrem einfach zu bedienendes Patienten-dokumentationssystem

- Dokumentation von Einzelbildern, Video-sequenzen und Audiodaten (Video)
- Einfachste Bedienung alternativ über: Kamerakopf, Maus, Tastatur, Touch Screen Monitor
- Integrierbar in jede vorhandene Endoskopie-Einheit
- Bilddatenspeicherung auf DVD/CD-ROM, USB, Festplatte oder Netzwerk
- Suchfunktion zum Anzeigen von vorhandenen Patientendaten
- S-VHS Video Ein- und Ausgänge vorhanden
- Netzwerkfähig
- Ausdruck OP-Bericht über lokalen Farbdrucker/ Netzwerkdrucker
- Einzelbilder können mit Text kommentiert werden
- Aus bestehendem Video können nachträglich Einzelbilder extrahiert werden
- Optionale DICOM 3.0 Kompatibilität

Zubehör (extra zu bestellen)

PV428	Serielles Verbindungskabel von Eddy DVD zu PV941 Touchscreen Monitor, 3 m
PV942	DICOM Upgrade Set
PV963	S-VHS Anschlusskabel, 2 m
PV968	Fernsteuerkabel (nur für PV440), 2 m, 3.5 mm / 3.5 mm Stereo Mini-Anschluss

Digitales Dokumentationssystem

Eddy DVD

PV820

DVD System	DVD-R/-RW; DVD+R/+RW
Farbsystem	PAL/NTSC
Bildformate Standbilder	JPEG, Bitmap
Bildformate Videosequenz	MPEG-2
Anzahl der MPEG-2 Kompressionsraten	3 (high quality, standard, long play)
Speicherung Videosequenz	Auf Netzwerk, Festplatte oder DVD/CD wählbar
Standbildspeicherung während Videoaufzeichnung	Ja
Videosignal Eingänge	1 x S-VHS
Videosignal Ausgänge	1x DVI-I 1x S-VHS
Weitere Ausgänge	1x RJ45 für Netzwerk 1x Remotesteuerung 4x USB 2 x RS232 parallel (9 pin D-sub)
System	Intel Prozessor 512 MB RAM
Netzwerkfähig über Ethernet 100/10 Base-TX-Schnittstelle	Ja
Bedienung über Kamerakopf, Maus, Touchscreen, Tastatur	Ja
Herstellerunabhängig integrierbar	Ja
Festplattenkapazität	80 GB
Betriebssystem	Windows XP
Netzspannung	100-240V AC, 50/60 Hz
Maximale Leistungsaufnahme	80 VA
Abmessung (B x H x T)	305 x 125 x 305 mm
Gewicht	8 kg
Norm	EN 60601-1, EN 60601-1-2
Schutzklasse nach EN 60601-1	I
Klassifikation nach 93/42/EEC	I

PV941 **15" Flat panel display "Touch Screen" PAL/NTSC**

Technical data

Screen size	15" (38 cm)
Resolution (Pixel)	1024 x 768 (XGA)
Weight	4.3 kg
Dimensions (w x h x d)	387 x 301 x 81 mm
Menu control	7 languages
Video Signal inputs/outputs	DVI-I (analog and digital VGA) SDI 1x In/1x Out S-VHS 1x In/1x Out RS 232 (9 pin D-sub) 12 V Power Input

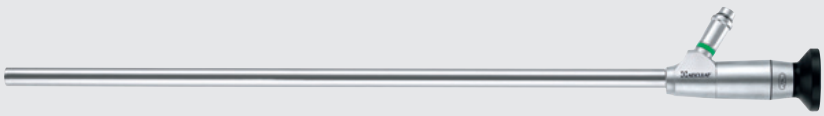
Additional accessories

PV875 Articulating arm for adaptation to Aesculap trolley, small

PV885 Articulating arm for adaptation to Aesculap trolley, large

PV918 Base for flat panel display PV941

Full HD Endoscopes



	Direction of view	Diam.	Length
PE889A	0°	10 mm	33 mm
PE909A	30°	10 mm	33 mm
PE969A	45°	10 mm	33 mm

- autoclavable up to 134°C, 2 bar
- Full screen image
- Integrated rod lens system
- Steris/Sterrad compatible

PV941 15" Flachbild Monitor "Touch Screen" PAL/NTSC

Technische Daten

Größe	15" (38 cm)
Auflösung (Pixel)	1024 x 768 (XGA)
Gewicht	4,3 kg
Maße (B x H x T)	387 x 301 x 81 mm
Menüsteuerung	7-sprachig
Video Signale Eingänge/Ausgänge	DVI-I (analog und digital VGA) SDI 1x In/1x Out S-VHS 1x In/1x Out RS 232 (9 pin D-sub) 12 V Power Input

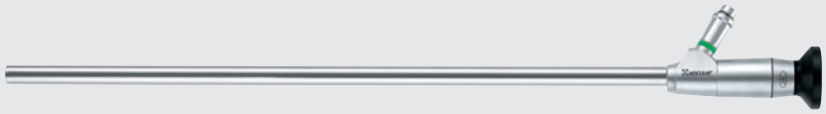
Weiteres Zubehör

PV875 Verlängerungsarm zur Adaption an Aesculap Endoskopiewagen, kurz

PV885 Verlängerungsarm zur Adaption an Aesculap Endoskopiewagen, lang

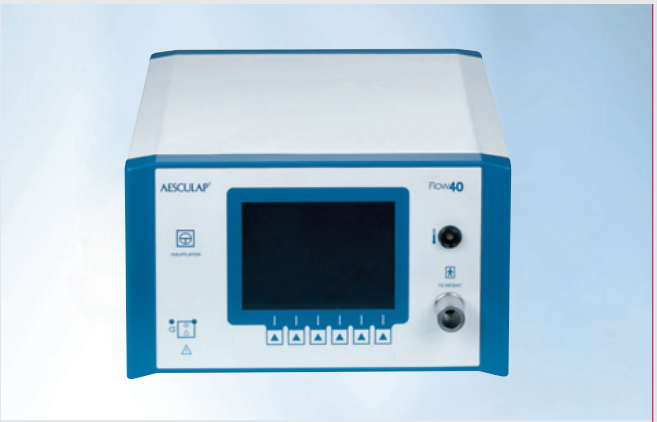
PV918 Standfuß für Flachbildschirm PV941

Full HD Endoskope



	Blickrichtung	Durchmesser	Länge
PE889A	0°	10 mm	33 mm
PE909A	30°	10 mm	33 mm
PE969A	45°	10 mm	33 mm

- Autoklavierbar bis 134°C, 2 bar
- Vollbild-Wiedergabe
- Integriertes Stablinsen-System
- Steris/Sterrad-kompatibel



CO_2 40 litre Insufflator

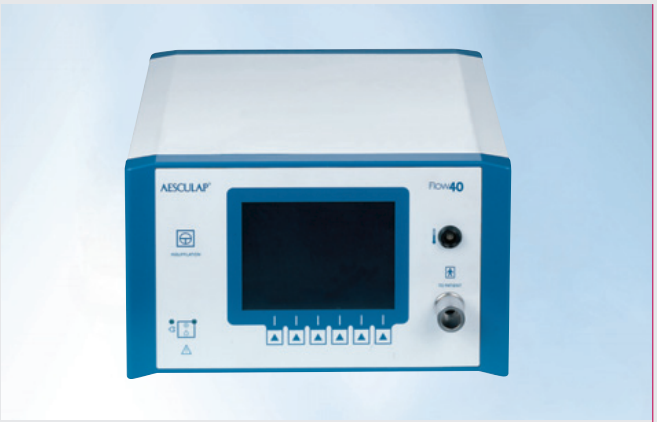
Flow40

PG080

High-flow insufflator with central info display

- With integrated gas preheating
- Automatic overpressure gas release
- Update-enabled through interface
- Intuitive and simple operation
- Gas connection to gas cylinder or central supply
- Pressure pre-selection in mmHg
- Pre-selectable flow rate
- Display of gas consumption, in litres
- Gas cylinder fill level display
- Info line for error messages
- Paediatric flow rate (from 1 l to 5 l in steps of 0.5 l/min)

Insufflation medium	Pure medical CO_2 gas
Maximum gas flow	40 l/min.
Pressure range	1 - 30 mm Hg
Integrated gas heating system	Yes
Automatic gas venting system	Yes (optional)
Gas connector	US
User menu	5 languages
Power Supply	100-240V AC, 50-60 Hz
Dimensions (w x h x d)	305 x 185 x 340 mm
Weight	11 kg
Maximum Power Consumption	125 VA
Tested acc. to norm	EN 60601-1, EN 60601-1-2
Safety Class acc. to EN 60601-1	I
Protection level acc. to EN 60601-1	BF
Classification acc. to directive 93/42/EEC	IIa



CO_2 40 Liter Insufflator

Flow40

PG080

High Flow Insufflator mit zentralem Infodisplay

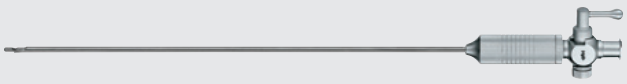
- Mit integrierter Gasvorwärmung
- Automatischer Gasablass bei Überdruck
- Updatefähig über Schnittstelle
- Intuitive und einfache Bedienung
- Gasanschluß über Flasche oder Zentral-versorgung
- Druckvorwahl in mmHg
- Voreinstellbare Flowrate
- Anzeige des Gasverbrauchs in Liter
- Gasflaschenfüllstandsanzeige
- Infozeile für Fehlermeldungen im Gerätedisplay
- Pädiatrie Flowrate (von 1 l bis 5 l in Schritten von 0,5 l/min)

Insufflationsmedium	Medizinisch reines CO_2 Gas
Maximale Gasflussleistung	40 l/min.
Druckbereich	1 - 30 mm Hg
Integrierte Gaserwärmung	Ja
Automatischer Gasablass bei Überdruck	Ja (optional)
Gasanschluss	US
Menüsteuerung	5-sprachig
Netzspannung	100-240V AC, 50/60 Hz
Abmessungen (B x H x T)	305 x 185 x 340 mm
Gewicht	11 kg
Maximale Leistungsaufnahme	125 VA
Norm	EN 60601-1, EN 60601-1-2
Schutzklasse nach EN 60601-1	I
Anwendungsteil nach EN 60601-1	BF
Klassifikation nach 93/42/EEC	II a

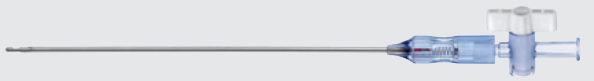
Accessories for Flow40 (to be ordered separately)

PG003	VERESS Cannula, length 100 mm, diam. 2.1 mm
PG008	VERESS Cannula, length 120 mm, diam. 2.1 mm
PG011	VERESS Cannula, length 150 mm, diam. 2.1 mm
EJ995	Disposable VERESS Cannula, length 120 mm, pack of 20 pcs.
EJ996	Disposable VERESS Cannula, length 150 mm, pack of 20 pcs.
PG086	High pressure tube, 1 m Unit side US Connector, Bottle side DIN Connector
PG087	High pressure tube, 1 m Unit side US Connector, Bottle side ISO Connector
PG088	High pressure tube, 1 m Unit side US Connector, Bottle side PIN Connector
PG083	NIST Connector for central gas supply
PG084	High pressure tube for central gas supply, 3 m
PG085	High pressure tube for central gas supply, 5 m
PG012	Disposable tube set incl. CO_2 filter, pack of 10 pcs.
PG014	Reusable silicone tube without gas warming (20 x autoclavable)
PG082	Reusable silicone tube with gas warming (100 x autoclavable)
PG019	Disposable CO_2 filter, pack of 25 pcs.

Zubehör für Flow40 (extra zu bestellen)



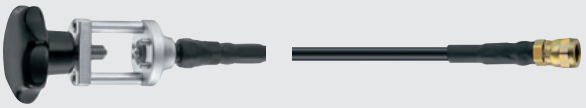
PG003	VERESS-Kanüle, Länge 100 mm, Ø 2,1 mm
PG008	VERESS-Kanüle, Länge 120 mm, Ø 2,1 mm
PG011	VERESS-Kanüle, Länge 150 mm, Ø 2,1 mm



EJ995	VERESS-Kanüle, Länge 120 mm, Einmalgebrauch, Pack à 20 Stk.
EJ996	VERESS-Kanüle, Länge 150 mm, Einmalgebrauch, Pack à 20 Stk.

PG086	Hochdruckschlauch, 1 m Geräteseitig US Anschluss, Flaschenseitig DIN Anschluss

PG087	Hochdruckschlauch, 1 m Geräteseitig US Anschluss, Flaschenseitig ISO Anschluss



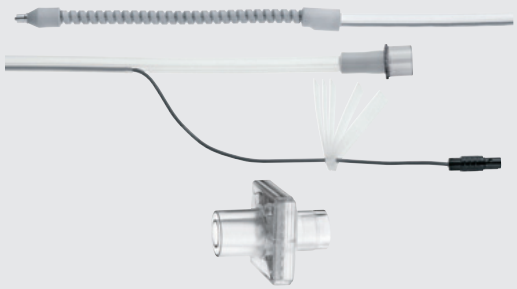
PG088	Hochdruckschlauch, 1 m Geräteseitig US Anschluss, Flaschenseitig PIN Anschluss

PG083	NIST Anschluß für zentrale Gasversorgung

PG084	NIST Hochdruckschlauch für zentrale Gasversorgung, 3 m
PG085	NIST Hochdruckschlauch für zentrale Gasversorgung, 5 m

PG012	Einmalschlauchset inkl. CO_2 Filter, Pack à 10 Stück

PG014	Wiederverwendbarer Silikonschlauch ohne Gasvorwärmung (20 x autoklavierbar)



PG082	Wiederverwendbarer Silikonschlauch mit Gasvorwärmung (100 x autoklavierbar)
PG019	Einmal CO_2 Filter zum Einmalgebrauch, Pack à 25 Stück

Powerful irrigation pump

- Very easy to operate system
- Pressure-controlled pump
- Confusion-proof installation of the irrigation tube
- Reusable and single-use tubing sets available
- Aspiration through conventional O.R. suction device
- Round-tube or standard-rail adaptation of the pump to the equipment cart

Irrigation Pump for Laparoscopy

Fluid3

PG070

Maximum Irrigation Rate	1.8 l/min.
Maximum Pump Capacity	400 mm Hg
Connection of pneumatic footcontrol	Yes
Dimensions (w x h x d)	143 x 317 x 170 mm
Weight	5.5 kg
Selectable Power Supply	100V AC/115V AC/230V AC, 50-60 Hz
Maximum Power Consumption	36 VA
Tested acc. to norm	EN 60601-1, EN 60601-1-2
Safety Class acc. to EN 60601-1	I
Protection level acc. to EN 60601-1	BF
Classification acc. to directive 93/42/EEC	II a

Accessories (to be ordered separately)

PG052	Reusable tube set (20 x autoclavable)
PG072SU	Disposable inflow tubing set, with Care Lock connection (pack of 10)
PG073SU	Disposable inflow tubing set, with insert pins (pack of 10)
PG071	Foot switch
PG076	Fluid 3 pole clamp
PG078	Fluid 3 holding rail
PG027R	Suction-/Irrigation Instrument, diam. 5 mm, 330 mm long

Spülpumpe für die Laparoskopie

Fluid3

PG070

Maximale Spülleistung	1,8 l/min.
Maximaler Pumpdruck	400 mm Hg
Anschluß für pneumatischen Fußschalter	Ja
Abmessungen (B x H x T)	143 x 317 x 170mm
Gewicht	5,5 kg
Netzspannung wählbar	100V AC/115V AC/230V AC, 50-60 Hz
Maximale Leistungsaufnahme	36 VA
Norm	EN 60601-1, EN 60601-1-2
Schutzklasse nach EN 60601-1	I
Anwendungsteil nach EN 60601-1	BF
Klassifikation nach 93/42/EEC	II a

Leistungsstarke Spülpumpe

- Sehr einfach zu bedienendes System
- Druckgesteuerte Pumpe
- Verwechslungssicheres Einlegen des Spülschlauchs
- Sowohl wiederverwendbare als auch Einmal-Schlauchsets einsetzbar
- Absaugung über konventionellen OP-Sauger
- Adaption der Pumpe am Gerätewagen über Rundrohrhalterung oder Normschiene

Zubehör (extra zu bestellen)

PG052	Wiederverwendbares Schlauchset (20 x autoklavierbar)
PG072SU	Einmalschlauchset mit Druck-kammern, mit Care-Lock (Pack á 10 Stück)
PG073SU	Einmalschlauchset mit Druck-kammern, mit Einstechdorn (Pack á 10 Stück)
PG071	Fußschalter
PG076	Fluid 3 Halterung für Rundrohrhalterung
PG078	Fluid 3 Halterung für Normschiene
PG027R	Saug-/Spülinstrument, Ø 5 mm, 330 mm lang

- Sturdy and non-tilting construction
- Modular trolley design
- Special antistatic castors
- Optimum stability for units
- Rubber bumpers on the base frame
- Easy cleaning and disinfection
- Smart cable management

PV880	**Trolley „Metro Junior“**
PV881	**Trolley „Metro Junior IT“** - with integrated Isolation Transformer (1200 VA) - with integrated system monitoring
PV882	CO_2 gas bottle holder bottle diameter 80-150 mm
PV883	Irrigator stand, one-hand height adjustment, 90 cm total height
PV888	Lateral fixture with round tube
PG077	Standard rail, working length 300 mm
PV884	Camera holder for all Chip cameras
PV893	Power plug Euro
PV894	Power plug UK/Ireland
PV895	Power plug USA/Canada/Japan

Technical data PV880 / PV881

Weight	76 / 89 kg
Dimensions (w x h x d)	835 x 1580 x 750 mm
Max. load capacity of cart	210 kg
Standing Area (w x d)	560 x 440 mm
Max. load capacity of shelf	40 kg
Standard	EN 60601-1 EN 60601-1-1 EN 60601-1-2
Safety Class acc. to EN 60601-1	I
Classification acc. to norm 93/42/EEC	I

- Hohe Stabilität und Kippsicherheit
- Modularer Wagenaufbau
- Spezielle Antistatik-Rollen
- Optimale Standfestigkeit der Geräte
- Gummikanten am Grundgestell
- Einfache Reinigung und Desinfektion
- Cleveres Kabelmanagement

PV880 **Endoskopiewagen „Metro Junior"**

PV881 **Endoskopiewagen „Metro Junior IT"**

- mit integriertem Isolationstransformator (1200 VA)
- mit integriertem System Monitoring (Isolationswächter)

PV882 CO_2 Gasflaschenhalterung
Flaschendurchmesser 80-150 mm

PV883 Infusionsflaschenhalter, Einhandhöhen-Verstellung, 90 cm Gesamthöhe

PV888 Seitliche Halterung mit Rundrohr

PG077 Normschiene, Nutzlänge 300 mm

PV884 Kamerahalterung für alle Kameras

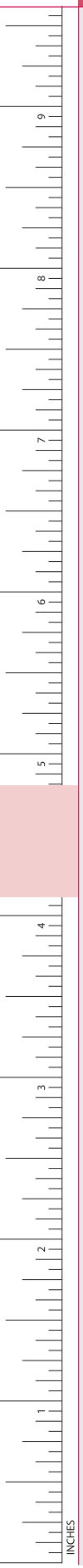
PV893 Netzkabel Euro

PV894 Netzkabel UK/Irland

PV895 Netzkabel USA/Kanada/Japan

Technische Daten PV880 / PV881

Gewicht	76 / 89 kg
Maße (B x H x T)	835 x 1580 x 750 mm
Maximalbeladung Wagen	210 kg
Tischplatte (B x T)	560 x 440 mm
Max.-Beladung Tischplatte	40 kg
Normen	EN 60601-1 EN 60601-1-1 EN 60601-1-2
Sicherheitsklasse nach EN 60601-1	I
Klassifizierung nach Norm 93/42/EEC	I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HF

Electrosurgery
Elektrochirurgie

Bipolar instruments for open surgery

Abdominal Aortic Aneurysm

1. Skin incision

The assistant surgeon uses the BipoJet® forceps (Partially insulated tips) for hemostasis. Advantage: saves time, because the monopolar knife can be used in parallel.

2. Dissecting the omentum

Dissection with the BipoJet® scissors, with additional hemostasis using the BipoJet® clamp. Advantage: simultaneous dissection and coagulation with the BipoJet® scissors saves time. Using the BipoJet® clamp to coagulate delicate vessels over a large area provides a clearer overview.

3. Mobilizing the intestine

Dissection with the BipoJet® scissors, with additional hemostasis using the BipoJet® clamp and forceps. Advantage: simultaneous dissection and coagulation with the BipoJet® scissors saves time. Precise coagulation can also be achieved close to vessels or the intestinal wall using the BipoJet® forceps for small areas or the BipoJet® clamp for large areas.

4. Coagulation of lymphatic vessels

Dissection with the BipoJet® scissors, hemostasis with the BipoJet® forceps and clamp for coagulation of blood and lymph vessels. Advantage: simultaneous dissection and coagulation with the BipoJet® scissors saves time. Precise coagulation can also be achieved close to vessels or the intestinal wall using the BipoJet® forceps for small areas or the BipoJet® clamp for large areas.

5. Dissecting of the Aneurysma

Dissection with the BipoJet® scissors, hemostasis with the BipoJet® forceps and clamp for coagulation of blood and lymph vessels. Due to the ceramics insulation of the BipoJet® forceps and clamps coagulation is save even close to vessel walls and other sensitive anatomical structures.

Recommended Instruments

BC687R	Bipolar dissecting scissors 230 mm, 9"
BC688R	Bipolar dissecting scissors fine tip 230 mm, 9"
BC689R	Bipolar dissecting scissors 280 mm, 11"
BH687R	Bipolar clamp 230 mm, 9"
BH689R	Bipolar clamp 280 mm, 11"
GN086	Hand switch for bipolar clamp
GK883R	Bipolar forceps fully insulated 230 mm, 9"
GK885R	Bipolar forceps fully insulated 300 mm, 12"
GK891R	Bipolar forceps partially insulated 160 mm, 6 1/4"
GK894R	Bipolar forceps partially insulated 250 mm, 10"

Bipolare Instrumente für die offene Chirurgie

Abdominales Aortenaneurysma

1. Hautschnitt

Koagulation von Blutungen mit der BipoJet® Pinzette (teilisoliert) durch die Assistenz. Vorteil: Zeitersparnis, da das monopolare Messer parallel weiter verwendet werden kann.

2. Präparieren des Netzes

Präparieren mit der BipoJet® Schere, zusätzlich Blutungsstillung mit der BipoJet® Klemme. Vorteil: Zeitersparnis durch gleichzeitiges Schneiden und Koagulieren mit der BipoJet® Schere. Verbesserte Übersicht durch großflächige Koagulation von feinen Gefäßen mit der BipoJet® Klemme.

3. Mobilisation des Darms

Präparieren mit der BipoJet® Schere, zusätzlich Blutungsstillung mit der BipoJet® Klemme und Pinzette. Vorteil: Zeitersparnis durch gleichzeitiges Schneiden und Koagulieren mit der BipoJet® Schere. Präzise Koagulation auch nahe an Gefäßen oder der Darmwand mit der BipoJet® Pinzette (kleinflächig) oder der BipoJet® Klemme (großflächig).

4. Koagulation von Lymphgefäßen

Präparieren mit der BipoJet® Schere, Blutungsstillung mit der BipoJet® Pinzette und –Klemme zur Koagulation von Blut- und Lymphgefäßen. Vorteil: Zeitersparnis durch gleichzeitiges Schneiden und Koagulieren mit der BipoJet® Schere. Präzise Koagulation auch nahe an Gefäßen oder der Darmwand mit der BipoJet® Pinzette (kleinflächig) oder der BipoJet® Klemme (großflächig).

5. Präparieren des Aneurysmas

Präparieren mit der BipoJet® Schere, Blutungsstillung mit der BipoJet® Pinzette und –Klemme zur Koagulation von Blut- und Lymphgefäßen. Dank der Keramikisolation der BipoJet® Pinzetten und Klemmen kann auch nahe an empfindlichen anatomischen Strukturen koaguliert werden.

Empfohlene Instrumente

BC687R	Bipolare Präparierschere 230 mm
BC688R	Bipolare Präparierschere feine Spitze 230 mm
BC689R	Bipolare Präparierschere 280 mm
BH687R	Bipolare Klemme 230 mm
BH689R	Bipolare Klemme 280 mm
GN086	Handschalter zur bipolaren Klemme
GK883R	Bipolare Pinzette vollisoliert 230 mm
GK885R	Bipolare Pinzette vollisoliert 300 mm
GK891R	Bipolare Pinzette teilisoliert 160 mm
GK894R	Bipolare Pinzette teilisoliert 250 mm

Bipolar instruments for open surgery

Carotis operations

1. Skin incision

The assistant surgeon uses the BipoJet® forceps (Partially insulated tips) for hemostasis. Advantage: saves time, because the monopolar knife can be used in parallel.

2. Dissecting

Dissection with the delicate BipoJet® scissors, with additional hemostasis using the BipoJet® forceps and clamp. Advantage: simultaneous dissection and coagulation with the BipoJet® scissors saves time. Using the BipoJet® forceps to coagulate delicate vessels and using the BipoJet® clamp to coagulate lymphatic vessels. Due to the ceramics insulation of the BipoJet® forceps and clamps coagulation is save even close to vessel walls and other sensitive anatomical structures.

Recommended Instruments

BC686R	Bipolar dissecting scissors fine tip 180 mm, 7"
BC693R	Fine bipolar dissecting scissors 160 mm, 6 1/4"
BC696R	STEVENS bipolar dissecting scissors 160 mm, 6 1/4"
BH686R	Bipolar clamp 180 mm, 7"
GN086	Hand switch for bipolar clamp
GK881R	Bipolar forceps fully insulated 160 mm, 6 1/4"
GK891R	Bipolar forceps partially insulated 160 mm, 6 1/4"

Bipolare Instrumente für die offene Chirurgie

Carotis Eingriffe

1. Hautschnitt

Koagulation von Blutungen mit der BipoJet® Pinzette (teilisoliert) durch die Assistenz. Vorteil: Zeitersparnis, da das monopolare Messer parallel weiter verwendet werden kann.

2. Präparieren

Präparieren mit der BipoJet® Schere, zusätzlich Blutungsstillung mit der BipoJet® Klemme. Vorteil: Zeitersparnis durch gleichzeitiges Schneiden und Koagulieren mit der BipoJet® Schere. Koagulation von feinen Gefäßen mit der BipoJet® Pinzette und Koagulation von Lymphgefäßen mit der BipoJet® Klemme. Dank der Keramikisolation der BipoJet® Pinzetten und Klemmen kann auch nahe an empfindlichen anatomischen Strukturen koaguliert werden.

Empfohlene Instrumente

BC686R	Bipolare Präparierschere feine Spitze 180 mm
BC693R	Feine bipolare Präparierschere 160 mm
BC696R	STEVENS bipolare Präparierschere 160 mm
BH686R	Bipolare Klemme 180 mm
GN086	Handschalter zur bipolaren Klemme
GK881R	Bipolare Pinzette vollisoliert 160 mm
GK891R	Bipolare Pinzette teilisoliert 160 mm

Bipolar instruments for open surgery

Operations in the groin

1. Skin incision

The assistant surgeon uses the BipoJet® forceps (Partially insulated tips) for hemostasis. Advantage: saves time, because the monopolar knife can be used in parallel.

2. Dissecting

Dissection with the delicate BipoJet® scissors, with additional hemostasis using the BipoJet® forceps and clamp. Advantage: simultaneous dissection and coagulation with the BipoJet® scissors saves time. Using the BipoJet® forceps to coagulate delicate vessels and using the BipoJet® clamp to coagulate lymphatic vessels. Due to the ceramics insulation of the BipoJet® forceps and clamps coagulation is save even close to vessel walls and other sensitive anatomical structures.

Recommended Instruments

BC686R	Bipolar dissecting scissors fine tip 180 mm, 7"
BH686R	Bipolar clamp 180 mm, 7"
GN086	Hand switch for bipolar clamp
GK881R	Bipolar forceps fully insulated 160 mm, 6 1/4"
GK882R	Bipolar forceps fully insulated 200 mm, 8"
GK891R	Bipolar forceps partially insulated 160 mm, 6 1/4"

Bipolare Instrumente für die offene Chirurgie

Eingriffe in der Leiste

1. Hautschnitt

Koagulation von Blutungen mit der BipoJet® Pinzette (teilisoliert) durch die Assistenz. Vorteil: Zeitersparnis, da das monopolare Messer parallel weiter verwendet werden kann.

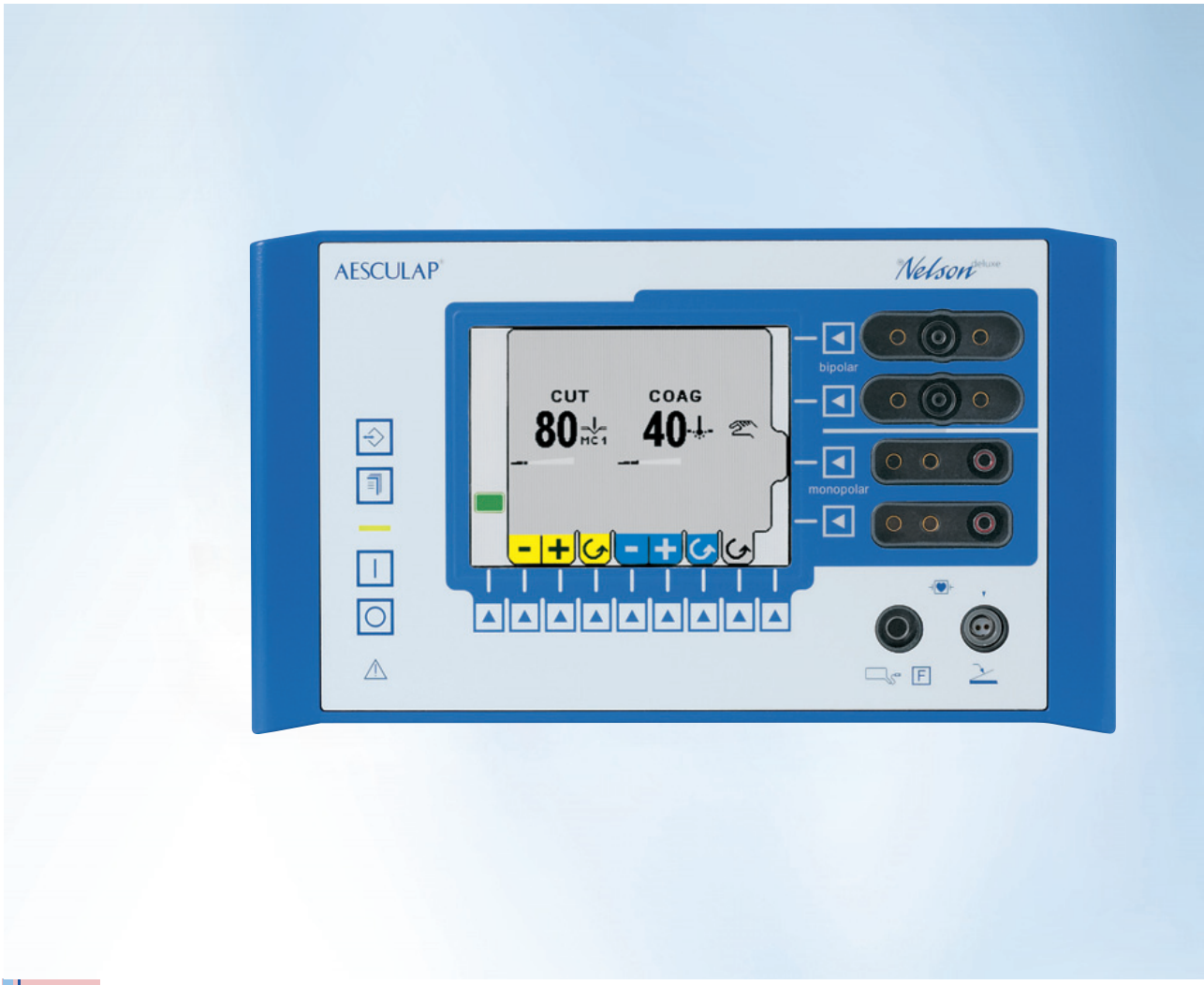
2. Präparieren

Präparieren mit der BipoJet® Schere, zusätzlich Blutungsstillung mit der BipoJet® Klemme. Vorteil: Zeitersparnis durch gleichzeitiges Schneiden und Koagulieren mit der BipoJet® Schere. Koagulation von feinen Gefäßen mit der BipoJet® Pinzette und Koagulation von Lymphgefäßen mit der BipoJet® Klemme. Dank der Keramikisolation der BipoJet® Pinzetten und Klemmen kann auch nahe an empfindlichen anatomischen Strukturen koaguliert werden.

Empfohlene Instrumente

BC686R	Bipolare Präparierschere feine Spitze 180 mm
BH686R	Bipolare Klemme 180 mm
GN086	Handschalter zur bipolaren Klemme
GK881R	Bipolare Pinzette vollisoliert 160 mm
GK882R	Bipolare Pinzette vollisoliert 200 mm
GK891R	Bipolare Pinzette teilisoliert 160 mm

Nelson deluxe – Electrosurgery the innovative way
Nelson deluxe – Innovative Elektrochirurgie



Feature

- Starts with the push of a button
- Individually programmable (e.g. according to indication or surgeon)
- 14 separate memories
- Innovative clear information display in color
- Monopolar and bipolar cutting and coagulating
- Freely selectable cutting quality
- All the safety features you could expect from a best in class device
- Nelson deluxe automatically recognizes coded instruments

Merkmale

- Auf Knopfdruck startklar
- Individuell programmierbar z. B. nach Indikation oder Chirurgen
- 14 Speicherplätze
- Innovatives übersichtliches Farbinformationsdisplay
- Monopolares und bipolares Schneiden und Koagulieren
- Schnittqualitäten frei wählbar
- Alle Sicherheitsvorkehrungen, die sie von einem Spitzengerät erwarten können
- Codierte Instrumente erkennt Nelson deluxe sofort

®Nelson deluxe

Electrosurgical unit featuring 2 monopolar and 2 bipolar outputs.
Elektrochirurgie-Gerät, 2 monopolare und 2 bipolare Ausgänge.

Mains supply Netzanschluss	100 - 240 V / 50 / 60 Hz

Maximum Output Power
Maximale Ausgangsleistung

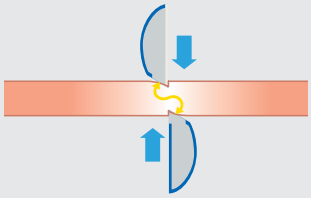
Monopolar	**Watt**	**Ohm**
POWERCUT 1	300	500
POWERCUT 2	250	500
POWERCUT 3	200	500
POWERCUT 4	150	500
MICROCUT 1 + 2	300	500
SEALCUT 100	150	
SOFTCOAG	100	300
CONTACTCOAG	120	500
FORCED COAG	120	1000
SPRAYCOAG	120	800

Bipolar	**Watt**	**Ohm**
Bicut 1	100	600
Bicut 2	100	100
Coag	100	100

For further details see brochure **C30481.**

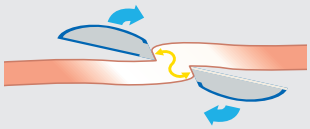
Weitere Informationen finden Sie
in unserem Prospekt **C30481.**

Parallel cutting and coagulating
Koagulation parallel zum Schneiden



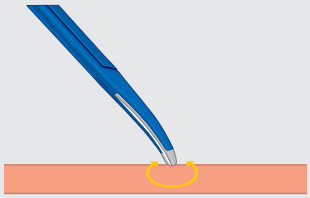
Parallel cutting and coagulation of the incised tissue: The tissue is cut while coagulation mode of the HF generator is activated.
Schneiden und parallele Koagulation des durchtrennten Gewebes. Hierbei wird das Gewebe bei gleichzeitiger Betätigung des Koagulationsmodus durchtrennt.

Precoagulation
Vorkoagulation



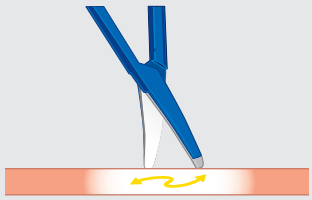
Prior to performance of the cut, the scissors are rotated so as to coagulate more robust tissue and larger blood vessels.
Drehen der Schere zur Koagulation stärkerer Gewebestrukturen oder größerer Gefäße vor dem Durchtrennen.

Pinpoint coagulation
Punktkoagulation



Bleeding can be precisely controlled in localized areas with the scissors tip closed or slightly open.
Mit geschlossenen oder leicht geöffneten Scherenblättern kann eine eng begrenzte punktuelle Koagulation durchgeführt werden.

Surface coagulation
Flächenkoagulation



Surface coagulation performed between the open blades of the scissors.
Bei größeren oberflächlichen Blutungen kann zwischen den geöffneten Scherenblättern eine größere Fläche koaguliert werden.

METZENBAUM
BC691R
extra fine tip
extra feine Spitze
120 mm, 4 3/4"

METZENBAUM
BC692R
extra fine tip
extra feine Spitze
140 mm, 5 1/2"

METZENBAUM
BC693R
extra fine tip
extra feine Spitze
160 mm, 6 1/4

STEVENS
BC694R
Tenotomy tip
Tenotomie Spitze
120 mm, 4 3/4"

STEVENS
BC695R
Tenotomy tip
Tenotomie Spitze
140 mm, 5 1/2"

STEVENS
BC696R
Tenotomy tip
Tenotomie Spitze
160 mm, 6 1/4"

- **Anti-twist-cable**
  The BipoJet® cable and jack are designed and constructed in such a way that the cable cannot become twisted. This means that the scissors can still be opened even after being rotated repeatedly.
- **Anti-Verdreh-Kabel**
  Kabel und Anschlüsse sind so konstruiert, dass sich das Kabel nicht verdrehen kann. Dadurch ist gewährleistet, dass die Schere auch nach mehrmaligem Rotieren noch geöffnet werden kann.

METZENBAUM
BC685R
Standard tip
Standard-Spitze
180 mm, 7"

METZENBAUM
BC687R
Standard tip
Standard-Spitze
230 mm, 9"

METZENBAUM
BC689R
Standard tip
Standard-Spitze
280 mm, 11"

METZENBAUM
BC686R
fine tip
feine Spitze
180 mm, 7"

METZENBAUM
BC688R
fine tip
feine Spitze
230 mm, 9"

METZENBAUM
BC690R
fine tip
feine Spitze
280 mm, 11"

BipoJet® Clamps

- Complete ceramic insulation
  - Coagulation only takes place between the jaws
  - Ceramic teeth improve the grasping properties in the jaw

- FAST
  Coagulation over a large area for each dissection step
- EASY
  Can be used with any HF generator
- PRECISE
  Defined coagulation zone
- SAFE
  Low thermal spread during coagulation

BipoJet® Klemmen

- Vollständige Keramikisolation
  - Die Koagulation findet nur zwischen den Maulteilen statt
  - Keramikzähne im Maul verbessern die Fasseigenschaften

- SCHNELL
  Großflächiges Koagulieren bei jedem Präparierschritt
- EINFACH
  Einsetzbar mit jedem HF-Gerät
- PRÄZISE
  Definierte Koagulationszone
- SICHER
  Enge Begrenzung der thermischen Ausdehnung bei der Koagulation

BH686R
180 mm, 7"

BH687R
230 mm, 9"

BH689R
280 mm, 11"

GN310

Nelson BiBox – Bipolar switch box

- The Nelson BiBox acts as an adapter, control and distributor unit for operating Aesculap bipolar hand switches with HF generators from other manufacturers (e.g. Erbe, Valleylab, Martin). The BiBox converts the Aesculap hand switch signal into a foot switch signal that the different HF generator can recognize. In addition, the single bipolar output on the HF device is distributed across the double bipolar HF connections of the Nelson BiBox, making two bipolar connections available with the Nelson BiBox (e.g. for a BipoJet® clamp and a BipoJet® scissors).
- Using the BipoJet® hand switches with other manufacturers' HF generators avoids having to use a foot pedal and thus reduces stumbling.
- You can double the potential of your HF generator by connecting two bipolar instruments to one bipolar output!

Nelson BiBox – Bipolare Schaltbox

- Die Nelson BiBox fungiert als Adapter-, Steuer- und Verteilergerät um Aesculap bipolare Handschalter mit HF Geräten anderer Hersteller (z.B. Erbe, Valleylab, Martin) zu betreiben. Die BiBox wandelt das Aesculap Handschaltersignal in ein Fußschaltersignal um, das der andere HF Generator erkennen kann. Zusätzlich wird der eine bipolare Ausgang des HF Gerätes auf die zwei bipolaren HF Anschlüsse der Nelson BiBox verteilt. Dadurch stehen mit der Nelson BiBox zwei bipolare Anschlüsse (z.B. für BipoJet® Klemme und BipoJet® Schere) zur Verfügung.
- Verwendung der BipoJet® Handschalter auch mit HF-Geräten anderer Hersteller. Reduzieren Sie "Stolperfallen" durch den Verzicht auf Fußschalter.
- Durch Anschluss von zwei bipolaren Instrumenten an einen bipolaren Ausgang verdoppeln Sie das Potential Ihres HF-Gerätes!

Aesculap
Aesculap GN300, Nelson deluxe
GN640 < SN 2000,

Martin MAXIUM, ME411,
Elektrotom 400

Valleylab Force2, Force FX

ERBE series Erbotom ICC
(z. B. ICC350), VIO*

	HF adapter cable HF Adapterkabel	Pedal adapter cable Pedal-Adapterkabel
Aesculap	GN313	GN314
Erbe	GN311	GN312
Martin	GN313	GN318
Valleylab	GN315	GN316

* Additional adapters necessary, please contact your local Aesculap distributor.
* Zusätzliche Adapter notwendig, bitte kontaktieren Sie Ihren Aesculap Händler.

Bipolar hand switches

- Allow the activation of the HF generator without foot switch
- To be used with GN640 Nelson deluxe or with the bipolar switch box GN310

Bipolare Handschalter

- Ermöglichen die Aktivierung des HF Generators ohne Fußschalter
- Verwendbar mit GN640 Nelson deluxe oder der bipolaren Schaltbox GN310

GN084
for BipoJet® scissors
für BipoJet® Schere

GN086
for BipoJet® clamps
für BipoJet® Klemmen

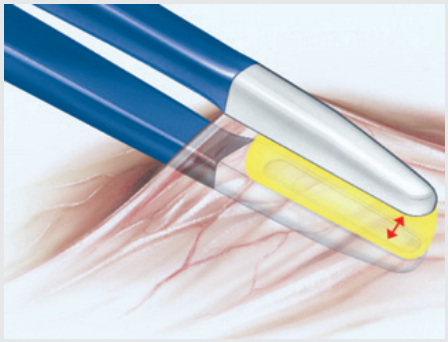
BipoJet® Forceps

- PRECISE
  - Defined coagulation area
    Prevents collateral coagulation.
- SAFE
  - Low temperature range during coagulation
    Coagulation instead of carbonization.
- ANTI-STICKING
  - Reduced tissue adhesion
    Less risk of tearing open coagulated vessels when opening the forceps.

BipoJet® Pinzetten

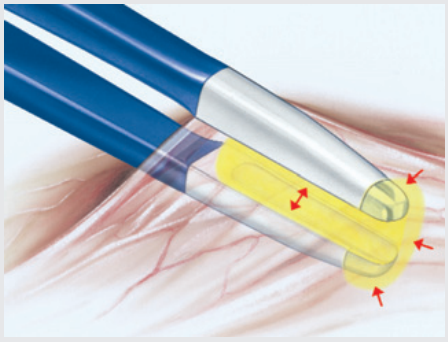
- PRÄZISE
  - Definierte Koagulationsfläche
    Vermeidung von kollateralen Koagulationsschäden.
- SICHER
  - Niedriger Temperaturbereich bei der Koagulation
    Koagulation statt Karbonisation.
- ANTI-STICKING
  - Reduziertes Anhaften von Gewebe
    Reduziertes Riskio, dass Gefäße beim Öffnen der Pinzette wie der aufgerissen werden.

- **Fully insulated tip**
- Vollisolierte Spitze

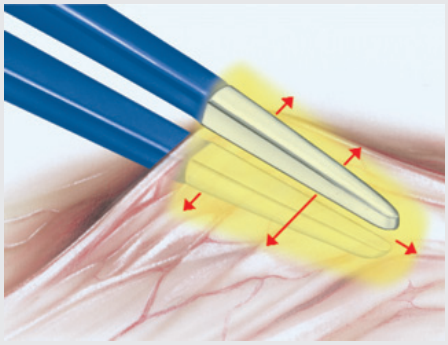


- **BipoJet® forceps with fully insulated tip**
  - Strictly confined coagulation zone.
- BipoJet® Pinzette mit vollisolierter Spitze
  - Eng begrenzte Koagulationszone.

- **Partially insulated tip**
- Teilisolierte Spitze

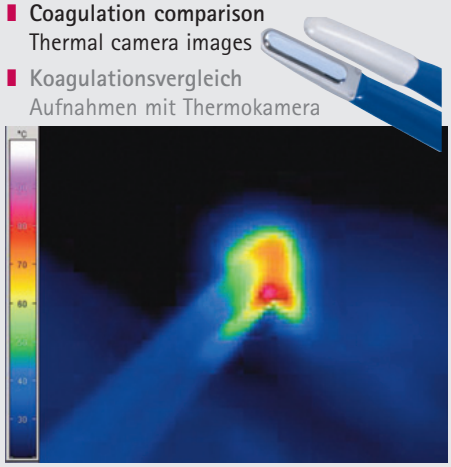


- **BipoJet® forceps with partially insulated tip**
  - Precise and safe, even in cases where the tips of the forceps have to be used for coagulation.
- BipoJet® Pinzette mit teilisolierter Spitze
  - Präzise und sicher, auch in Fällen, in denen mit den Spitzen der Pinzette koaguliert werden soll.

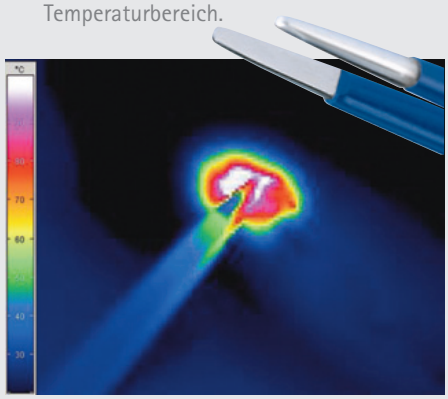


- **Conventional forceps**
  - Extended coagulation zone. Undefined thermal spread.
- Konventionelle Pinzette
  - Ausgedehnte Koagulationszone.

- **Coagulation comparison**
  Thermal camera images
- Koagulationsvergleich
  Aufnahmen mit Thermokamera



- **Ceramic forceps**
  - With its ceramic insulation, the BipoJet® forceps coagulates precisely at low temperature.
- Keramikpinzette
  - Die keramikisolierte BipoJet® Pinzette koaguliert präzise in einem niedrigen Temperaturbereich.



- **Conventional bipolar forceps**
  - Clearly visible are the comparatively high temperatures at the centre, which provoke tissue adhesion, and the coagulation zone, which extends far beyond the forceps.
- Konventionelle bipolare Pinzette
  - Deutlich sichtbar sind die vergleichsweise hohen Temperaturen im Zentrum, welche ein Anhaften von Gewebe begünstigen sowie die sich weit über die Pinzette hinaus ausdehnende Koagulationszone.

Aesculap tab connector
Aesculap Flachstecker

FULLY INSULATED TIP
VOLLISOLIERTE SPITZE

1/2

GK881R
160 mm, 6 1/4"

1/2

GK882R
200 mm, 8"

1/2

GK883R
230 mm, 9"

1/2

GK884R
250 mm, 10"

1/2

GK885R
300 mm, 12"

1/2

GK886R
160 mm, 6 1/4"

1/2

BARRÉ
GK685R
260 mm, 10 1/4"

HF

MILLIMETERS

Aesculap tab connector
Aesculap Flachstecker

PARTIALLY INSULATED TIP
TEILISOLIERTE SPITZE

1/2

GK891R
160 mm, 6 1/4"

1/2

GK892R
200 mm, 8"

1/2

GK893R
230 mm, 9"

1/2

GK894R
250 mm, 10"

1/2

GK895R
300 mm, 12"

1/2

GK896R
160 mm, 6 1/4"

HF

Aesculap round pin connector
Aesculap Rundstecker

GK690R
120 mm, 4 3/4"

GK720R **GK722R**

GK720R-GK722R
160 mm, 6 1/4"

GK723R
160 mm, 6 1/4"

GK730R
200 mm, 8"

Wire brush for cleaning coagulation forceps and coagulation electrodes
Drahtbürstchen zum Reinigen von Koagulationspinzetten und Koagulationselektroden

GK299

HF

Euro tab connector
Euro Flachstecker

GK809R
sharp
scharf
125 mm, 5"

GK807R
delicate
fein
175 mm, 7"

GK808R
delicate
fein
220 mm, 8 3/4"

Aesculap tab connector
Aesculap Flachstecker

GK700R
GK701R

GK700R–GK701R
160 mm, 6 1/4"

GK711R
160 mm, 6 1/4"

GK703R
200 mm, 8"

GK713R
200 mm, 8"

HF

MILLIMETERS

Aesculap tab connector
Aesculap Flachstecker

GK595R
120 mm, 4 3/4"

GK596R
145 mm, 5 3/4"

GK597R
110 mm, 4 3/8"

Aesculap tab connector
Aesculap Flachstecker

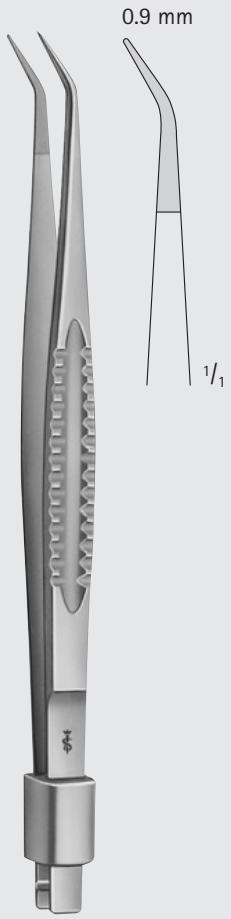
NON STICKING

Bipolar coagulation forceps with Sintram tips do not stick to coagulated vessels.
Bipolare Koagulationspinzette mit Sintram-Spitzen verhindern das Ankleben der koagulierten Gefäße.

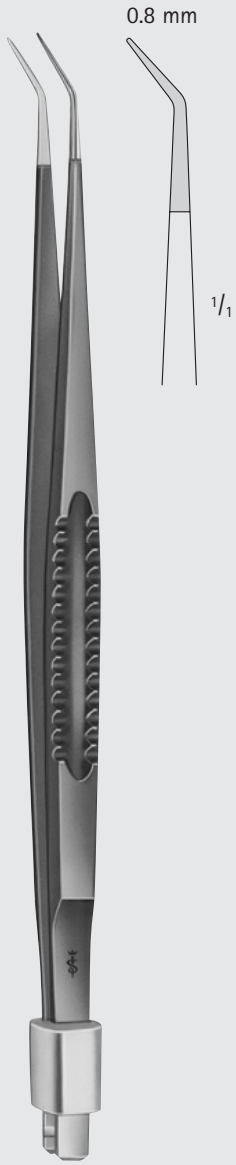
GK604R
160 mm, 6 1/4"

GK605R
185 mm, 7 1/4"

GK606R
200 mm, 8"

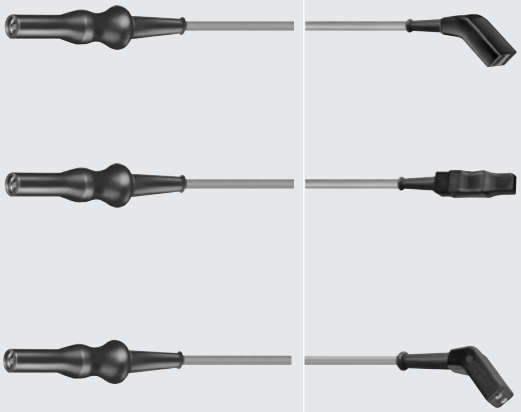
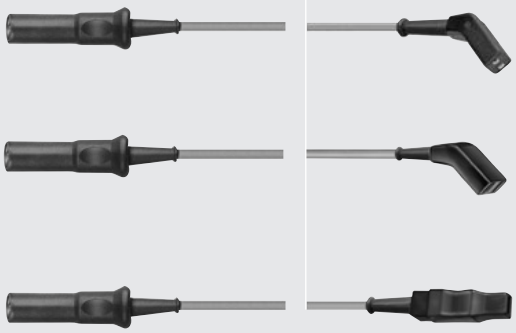


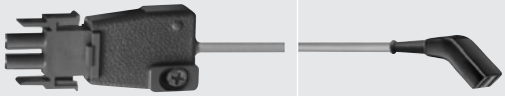
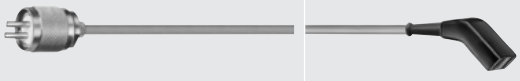
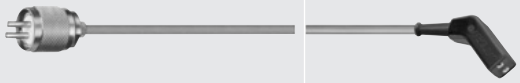
GK624R
160 mm, 6 1/4"

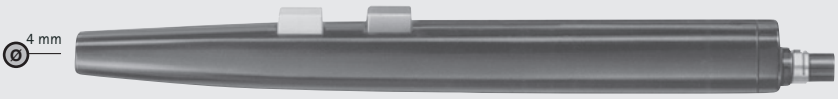


GK625R
200 mm, 8"

	On the equipment side - Manufacturer Geräteseite - Hersteller		On the instrument side Instrumentenseite
GN081 5 m	Aesculap Berchthold Martin R. Wolf		
GN082 5 m	Erbe Storz		
GN083 5 m	For Aesculap generators: Für Aesculap Elektrochirurgie Geräte: GK020 GK021 GK030 GK034 GK050 GK051		
GN085 5 m	Valleylab Erbe VIO	Pin distance 29 mm Pinabstand 29 mm 	

	On the equipment side - Manufacturer Geräteseite - Hersteller		On the instrument side Instrumentenseite
GN073 3.5 m GN077 5.0 m GN076 3.5 m GN078 5.0 m GN074 3.5 m	Aesculap ACMI Berchtold Martin Wolf		Aesculap tab connector Aesculap Flachstecker Euro tab connector Euro-Flachstecker Aesculap Round pin connector Aesculap Rundstiftstecker
XF830 3.5 m GK216 3.5 m GK213 5.0 m GK185 3.5 m GK188 5.0 m	Erbe Storz		Aesculap Round pin connector Aesculap Rundstiftstecker Aesculap tab connector Aesculap Flachstecker Euro tab connector Euro-Flachstecker
GN217	Aesculap	Bipolar adapter Bipolar Adapter	Erbe, Storz

	On the equipment side - Manufacturer Geräteseite - Hersteller		On the instrument side Instrumentenseite
GK217 3.5 m	Codman		Aesculap tab connector Aesculap Flachstecker
		Pin distance 29 mm Pinabstand 29 mm	
GK193 3.5 m	Aesculap Bowa EMC Lamidey Söring Valleylab		Aesculap tab connector Aesculap Flachstecker
GK194 3.5 m			Euro tab connector Euro-Flachstecker
GK202 3.5 m	For Aesculap Generators: Für Aesculap Elektrochirurgie Geräte: GK020 GK021 GK030 GK034 GK050 GK051		Aesculap tab connector Aesculap Flachstecker
GK212 3.5 m			Aesculap Round pin connector Aesculap Rundstiftstecker

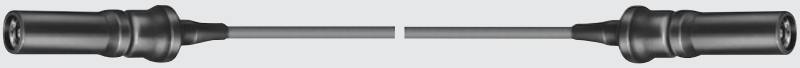


GN209

Electrode handle, with two finger pushbuttons
suitable for devices from Aesculap, ACMI, Berchtold, Martin, Erbe ACC/ICC/VIO
Elektrodenhandgriff, mit Doppelfingertastern
passend für Geräte von Aesculap, ACMI, Berchtold, Martin, Erbe ACC/ICC/VIO

GN207

Electrode handle, without finger pushbuttons
suitable for devices from Aesculap, ACMI, Berchtold, Martin, Erbe ACC/ICC/VIO
Elektrodenhandgriff, ohne Fingertaster
passend für Geräte von Aesculap, ACMI, Berchtold, Martin, Erbe ACC/ICC/VIO



GN203	3.5 m
GN205	5.0 m

Cable for electrode handle
suitable for devices from Aesculap, ACMI, Berchtold, Martin
Kabel für Elektrodenhandgriff
passend für Geräte von Aesculap, ACMI, Berchtold, Martin

GN213	3.0 m
GN215	5.0 m

Cable for electrode handle
suitable for devices from Erbe ACC/ICC/VIO
Kabel für Elektrodenhandgriff
passend für Geräte von Erbe ACC/ICC/VIO

GK252Y

Electrode handle, without finger pushbuttons, plug according to US standard
suitable for devices from Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab

Elektrodenhandgriff ohne Fingertaster, Stecker US-Norm
passend für Geräte von Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab

GK253Y

Electrode handle, with two finger pushbuttons, plug according to US standard
suitable for devices from Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab

Elektrodenhandgriff mit Doppelfingertastern, Stecker US-Norm
passend für Geräte von Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab

Slim Style

GN206

Electrode handle, without finger pushbuttons
suitable for devices from Aesculap, ACMI, Berchtold, Martin

Elektrodenhandgriff, ohne Fingertaster
passend für Geräte von Aesculap, ACMI, Berchtold, Martin

Slim Style

GN218

Electrode handle, without finger pushbuttons
suitable for devices from Aesculap, ACMI, Berchtold, Martin

Elektrodenhandgriff, ohne Fingertaster
passend für Geräte von Aesculap, ACMI, Berchtold, Martin

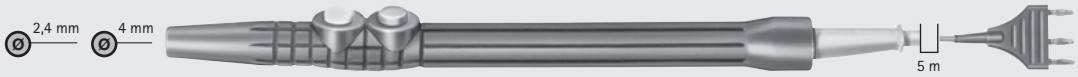
Slim Style

GN208

Electrode handle, without finger pushbuttons
suitable for devices from Aesculap, ACMI, Berchtold, Martin

Elektrodenhandgriff, ohne Fingertaster
passend für Geräte von Aesculap, ACMI, Berchtold, Martin

Slim Style



	Diam. Ø
GN210	2.4 mm
GN212	4.0 mm

Electrode handle, with two finger pushbottons, plug according to US standard
suitable for devices from Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab

Elektrodenhandgriff mit Doppelfingertastern, Stecker US-Norm
passend für Geräte von Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab

Single Use

GN211

Single use electrode handle, with finger pushbuttons, plug according to US standard
suitable for devices from Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab
Sales unit:
PAK = Package of 50 pieces, in single sterile packs

Einmal-Elektrodenhandgriff, mit Fingertastern, Stecker US Norm
passend für Geräte von Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab
Bestelleinheit:
PAK = Packung à 50 Stück, einzeln steril verpackt

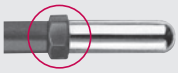
Single Use

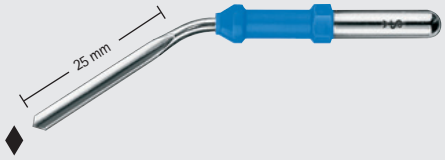
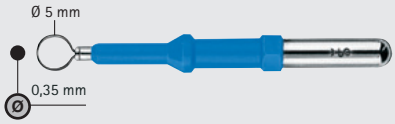
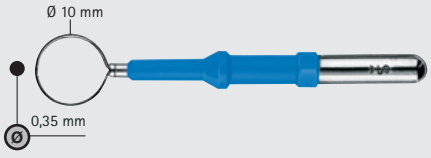
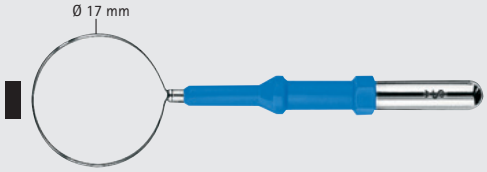
GN221

Single use electrode handle, without finger pushbuttons
suitable for devices from Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab
Sales unit:
PAK = Package of 50 pieces, in single sterile packs

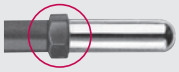
Einmal-Elektrodenhandgriff, ohne Fingertaster
passend für Geräte von Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab
Bestelleinheit:
PAK = Packung à 50 Stück, einzeln steril verpackt

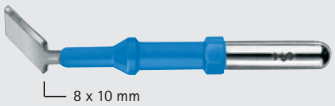
with hexagonal anti-twist protection
mit Sechskantverdrehschutz



		Diam. 4.0 mm Ø 4,0 mm	Diam. 2.4 mm Ø 2,4 mm
Knife electrodes Messerelektroden		GK110R	GK140R
Cutting electrodes Lanzettenelektroden		GK111R	GK141R
		GK112R	GK142R
		GK113R	GK143R
Needle electrodes Nadelelektroden		GK114R	GK144R
Loop electrodes Schlingenelektroden		GK115R	GK145R
		GK116R	GK146R
		GK117R	GK147R
		GK118R	GK148R

with hexagonal anti-twist protection
mit Sechskantverdrehschutz



		Diam. 4.0 mm Ø 4,0 mm	Diam. 2.4 mm Ø 2,4 mm
Ball electrodes Kugelelektroden		GK121R	GK151R
		GK122R	GK152R
Plate electrodes Plattenelektroden		GK123R	GK153R
Surgical electrodes set consisting of: container, rack and 12 electrodes Chirurgie-Elektroden-Set bestehend aus: Behälter, Ständer und 12 Elektroden		GK174R	

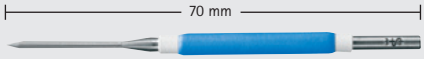
Single Use

Ball electrode
Sales unit:
PAK = Package of 50 pieces, in single sterile packs
Kugelelektrode
Bestelleinheit:
PAK = Packung à 50 Stück, einzeln steril verpackt

GK164R

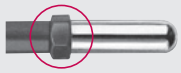
Single Use

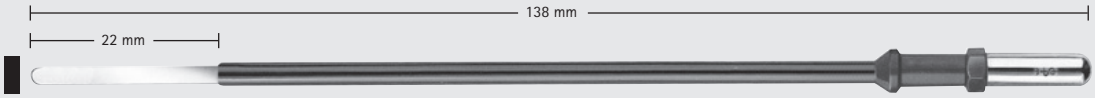
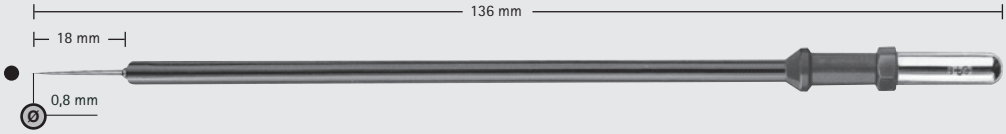
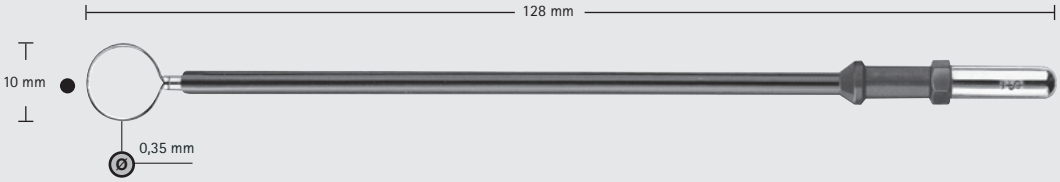
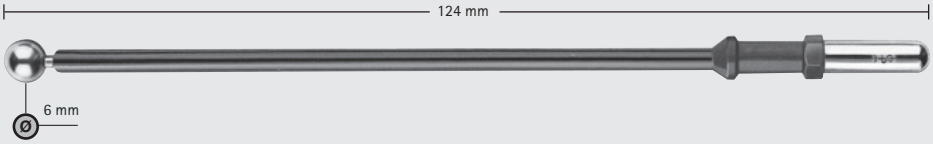
Needle electrode
Sales unit:
PAK = Package of 50 pieces, in single sterile packs
Nadelelektrode
Bestelleinheit:
PAK = Packung à 50 Stück, einzeln steril verpackt



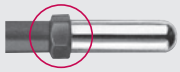
GK165R

with hexagonal anti-twist protection
mit Sechskantverdrehschutz

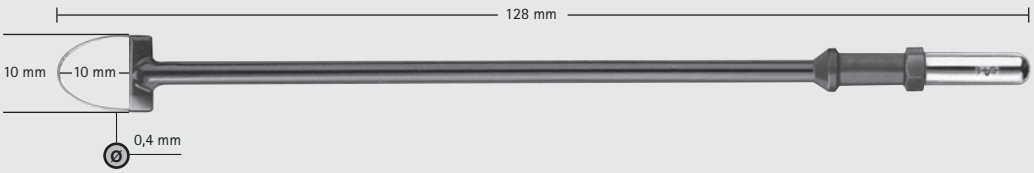


	Diam. 4.0 mm Ø 4,0 mm	Diam. 2.4 mm Ø 2,4 mm
 Knife electrodes Messerelektroden	GK125R	GK155R
 Needle electrodes Nadelelektroden	GK127R	GK157R
 Wire loop electrode Drahtschlingenelektrode	GK128R	
 Ball electrode Kugelelektrode	GK129R	

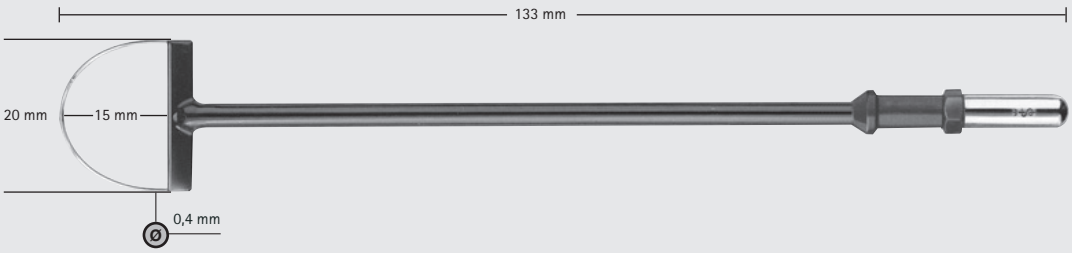
with hexagonal anti-twist protection
mit Sechskantverdrehschutz



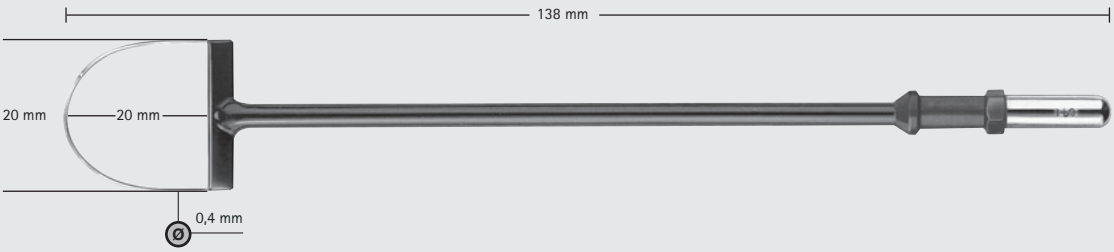
Diam. 4.0 mm
Ø 4,0 mm



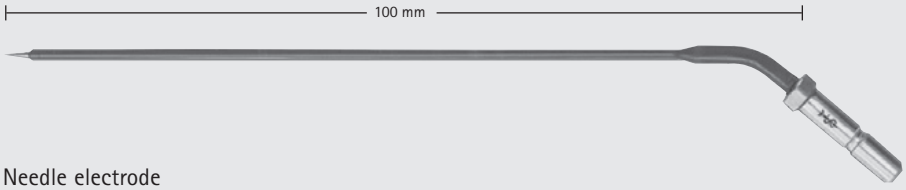
GK131R



GK132R



GK133R



GK424

Needle electrode
Stichkoagulationsnadel

HF

MILLIMETERS

GN227

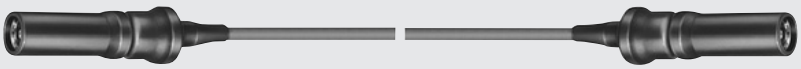
Electrode handle, without finger pushbuttons

Elektrodenhandgriff, ohne Fingertaster

GN229

Electrode handle, with two finger pushbuttons

Elektrodenhandgriff, mit Doppelfingertastern



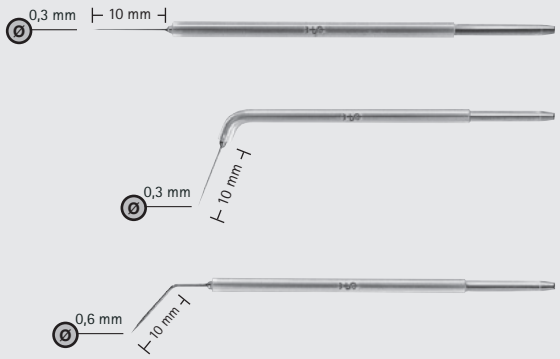
GN203	3.5 m
GN205	5.0 m

Cable for electrode handle
suitable for devices from Aesculap, ACMI, Berchtold, Martin

Kabel für Elektrodenhandgriff
passend für Geräte von Aesculap, ACMI, Berchtold, Martin

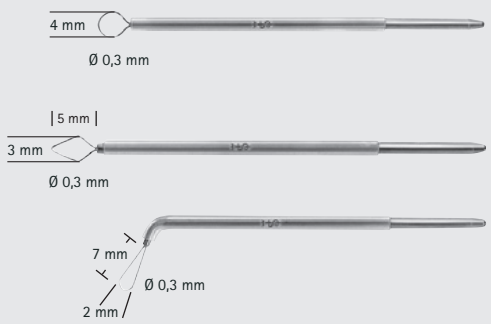
Diam. 1.7 mm
Ø 1,7 mm

GK301R–GK305R
Needle electrodes
Nadelelektroden



GK301R
GK303R
GK305R

GK307R–GK315R
Loop electrodes
Schlingenelektroden



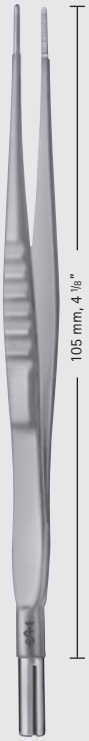
GK307R
GK310R
GK315R

GK320R–GK321R
Ball electrodes
Kugelelektroden

GK320R
GK321R

GK680R
Container with lid
Behälter mit Deckel

GK683R
Rack for surgery electrodes
Ständer für Chirurgie-Elektroden



GK012R
130 mm, 5 1/8"

GK005R
180 mm, 7"

GK007R
200 mm, 8"

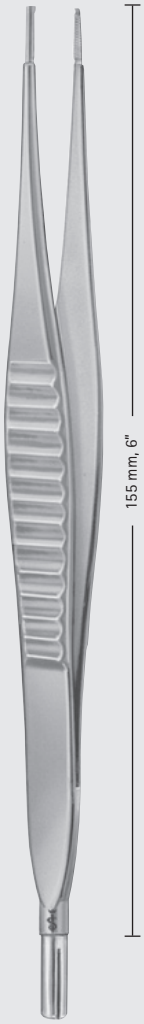
GK010R
230 mm, 9"

GK013R
270 mm, 10 3/4"

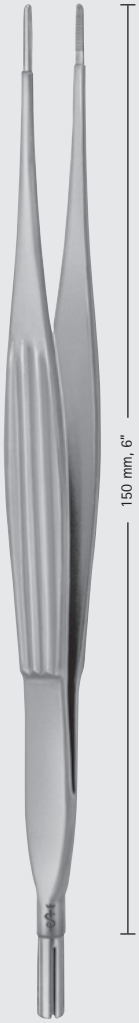
GK033R
350 mm, 14"

TURNER
GK008R
130 mm, 5 1/8"

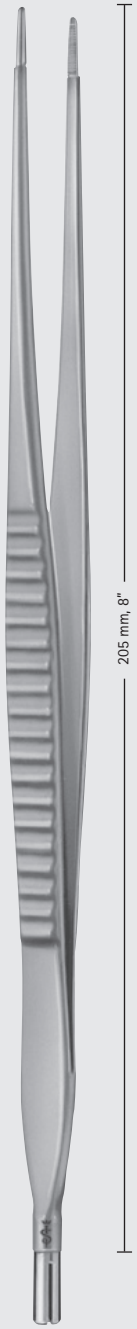
ADSON
GK015R
150 mm, 6"



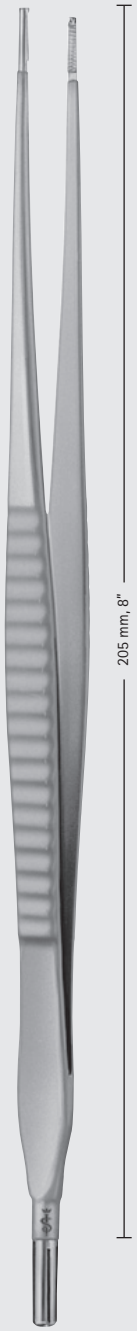
GILLES
GK006R
1 x 2 teeth
1 x 2 Zähne
175 mm, 7"



MC INDOE
GK009R
175 mm, 7"



WAUGH
GK016R
230 mm, 9"



WAUGH
GK017R
1 x 2 teeth
1 x 2 Zähne
230 mm, 9"

HF

INCHES

REMINGTON-HOBB

GK737R

serrated

gerieft

250 mm, 10"

REMINGTON-HOBB

GK738R

1 x 2 teeth

1 x 2 Zähne

270 mm, 10 3/4"

REMINGTON-HOBB

GK739R

serrated

gerieft

250 mm, 10"

1.4 mm

1/1

BD852R	BD853R	BD854R
200 mm	240 mm	300 mm
8"	9 1/2"	12"

Dissecting Forceps
Anatomische Pinzette

1.4 mm

1/1

BD855R	BD856R	BD857R
200 mm	240 mm	300 mm
8"	9 1/2"	12"

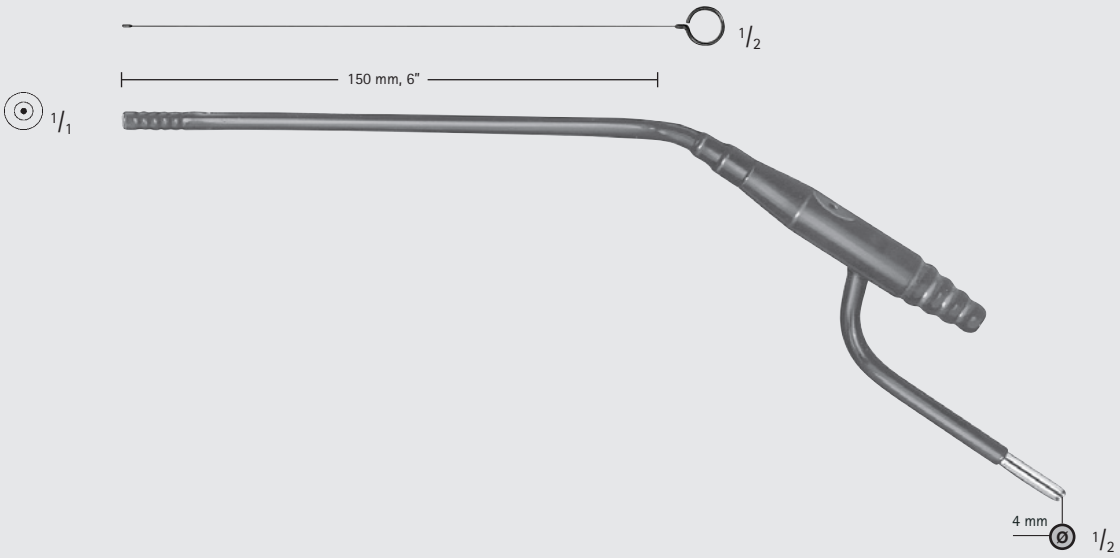
1 x 2 teeth
1 x 2 Zähne

ATRAUMATA®

2.0 mm

1/1

BD858R	BD859R	BD860R
200 mm	240 mm	300 mm
8"	9 1/2"	12"



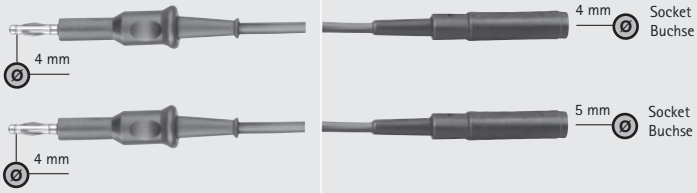
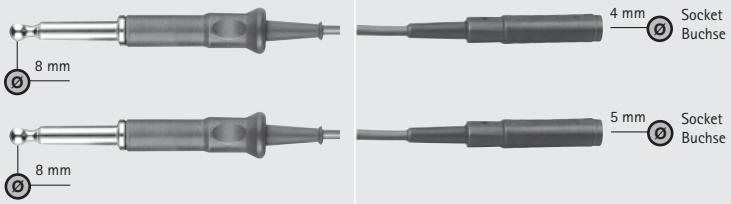
LANDOLT

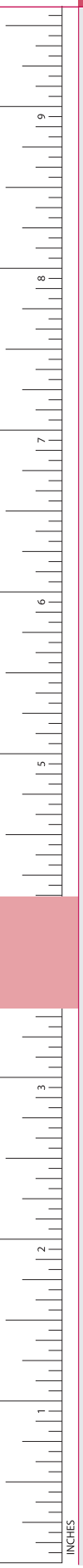
GK550

Coagulation suction cannula
with finger cut-off and stylet

Koagulations-Absaugkanüle
mit Saugunterbrecher und Mandrin

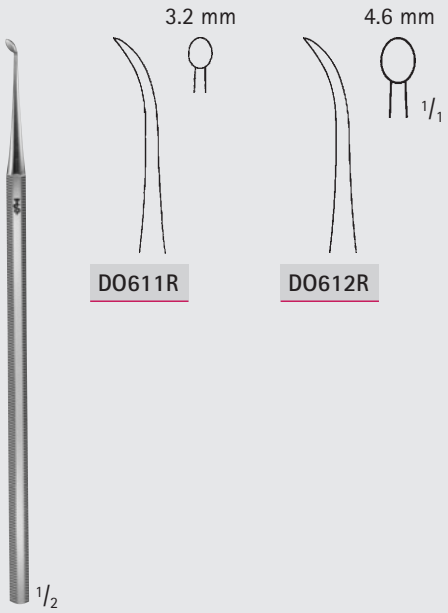
	On the equipment side - Manufacturer Geräteseite - Hersteller		On the instrument side Instrumentenseite
GN202 3.5 m	Aesculap ACMI Berchtold Martin		
GN204 3.5 m			
GK239 3.5 m	Erbe ACC/ICC/VIO		

	On the equipment side - Manufacturer Geräteseite - Hersteller	On the instrument side Instrumentenseite
GN216	Aesculap	Monopolar adapter Monopolarer Adapter Erbe, Storz
GK245 3.5 m **GK180** 3.5 m	Erbe T	
GK246 3.5 m **GK181** 3.5 m	ACMI Conmed Erbe ICC intern. Eschmann Valleylab US-Norm	


INCHES
1
2
3
5
6
7
8
9

Bone
Knochen

Bone Instruments
Knocheninstrumente



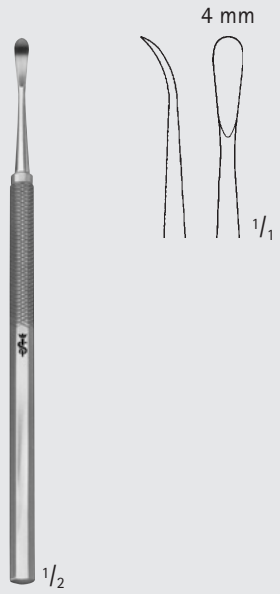
PARTSCH

DO611R–DO612R

sharp

scharf

150 mm, 6"



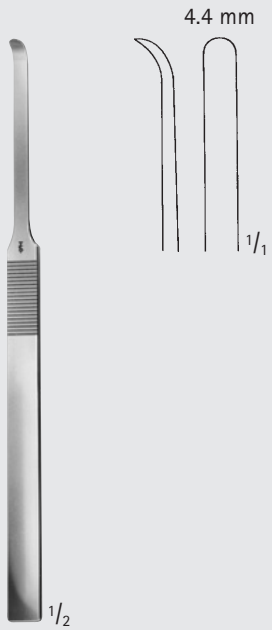
PARTSCH MOD. LANGE

DO642R

sharp

scharf

145 mm, 5 3/4"



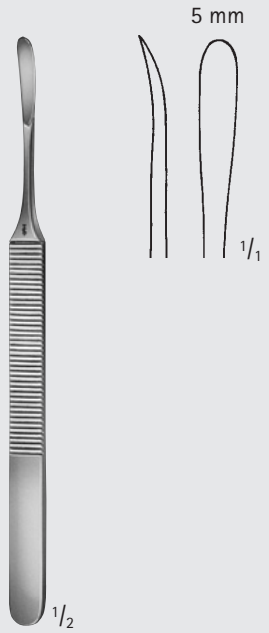
MC KENTY

OL192R

sharp

scharf

155 mm, 6"



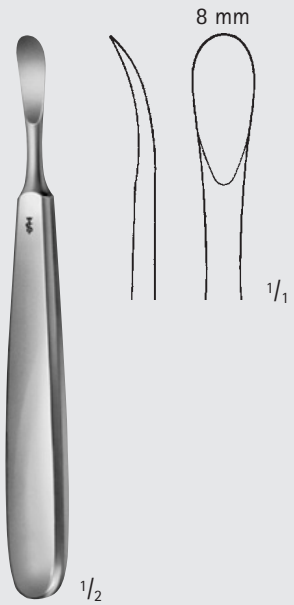
KÖNIG

OM309R

sharp

scharf

155 mm, 6"



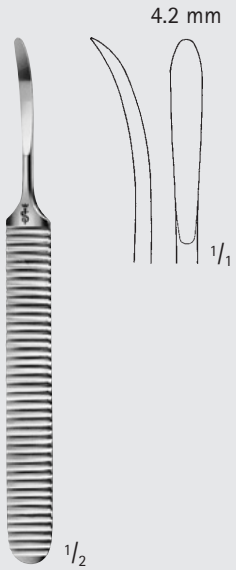
TRELAT

OM311R

sharp

scharf

150 mm, 6"



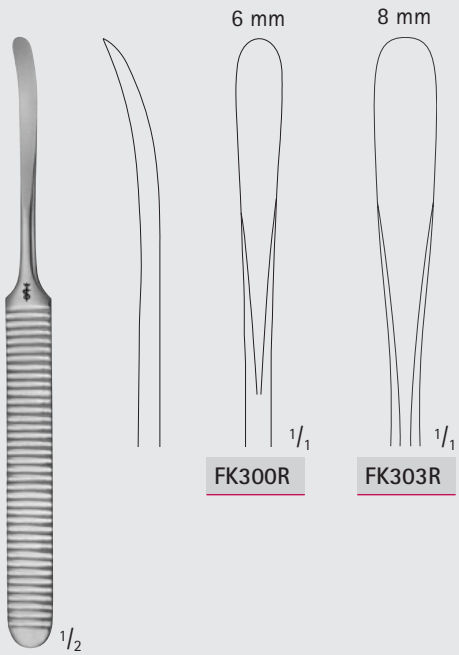
WILLIGER

DO510R

sharp

scharf

140 mm, 5 1/2"



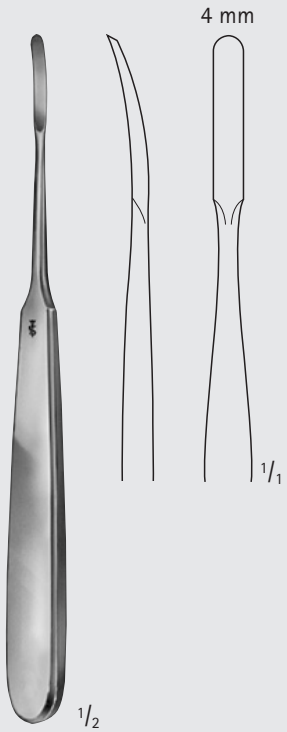
WILLIGER

FK300R–FK303R

sharp

scharf

160 mm, 6 1/4"



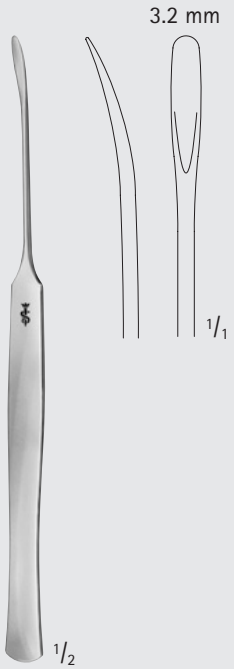
JOSEPH

FK310R

sharp

scharf

180 mm, 7"



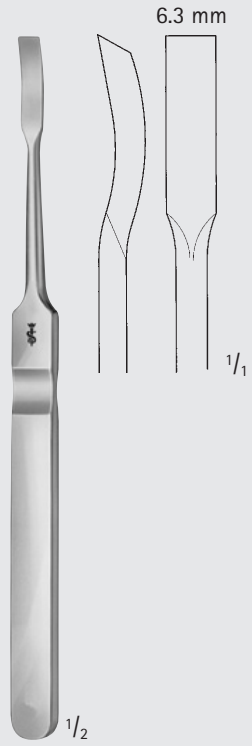
LEMPERT

OG165R

semi-sharp

halbscharf

165 mm, 6 1/2"



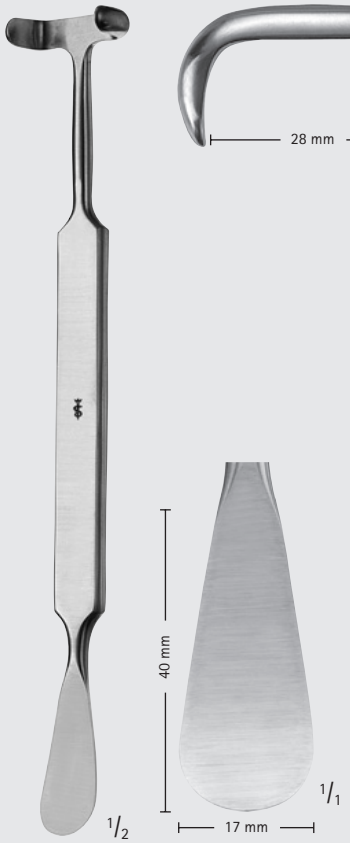
LEMPERT

OG164R

sharp

scharf

185 mm, 7 1/4"



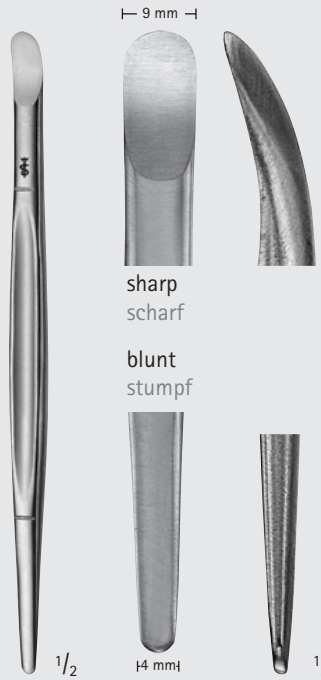
MATSON

MB812R

Rib stripper, sharp/sharp

Rippenstripper, scharf/scharf

220 mm, 8 3/4"



SAYRE

MB816R

sharp/blunt

scharf/stumpf

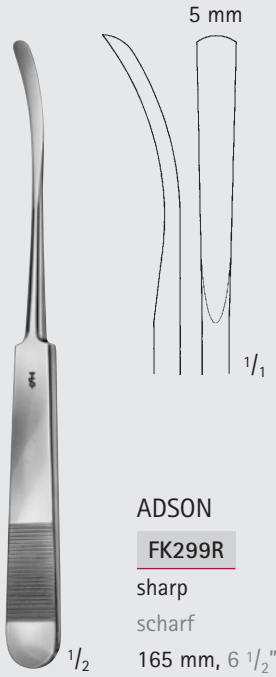
170 mm, 6 3/4"

HALLE
OL160R
blunt
stumpf
180 mm, 7"

FREER
OL163R
blunt
stumpf
190 mm, 7 1/2"

FREER
OL162R
sharp
scharf
190 mm, 7 1/2"

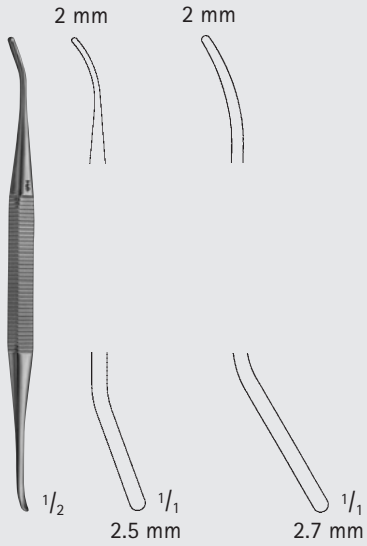
SEWALL
OL198R
sharp
scharf
200 mm, 8"



ADSON
FK299R
sharp
scharf
165 mm, 6 1/2"

KILLIAN
OL170R
blunt/sharp
stumpf/scharf
185 mm, 7 1/4"

MAC DONALD
FK291R
blunt/blunt
stumpf/stumpf
185 mm, 7 1/4"

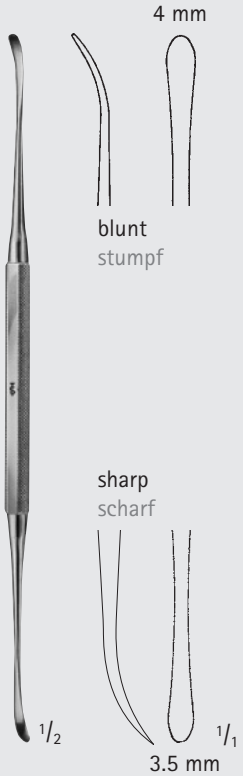


WATSON-CHEYNE

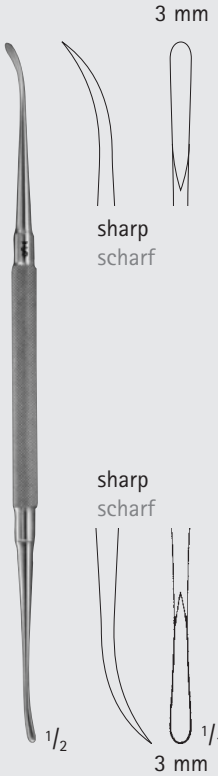
FK292R
blunt/blunt
stumpf/stumpf
130 mm, 5 1/8"

FK293R
blunt/blunt
stumpf/stumpf
190 mm, 7 1/2

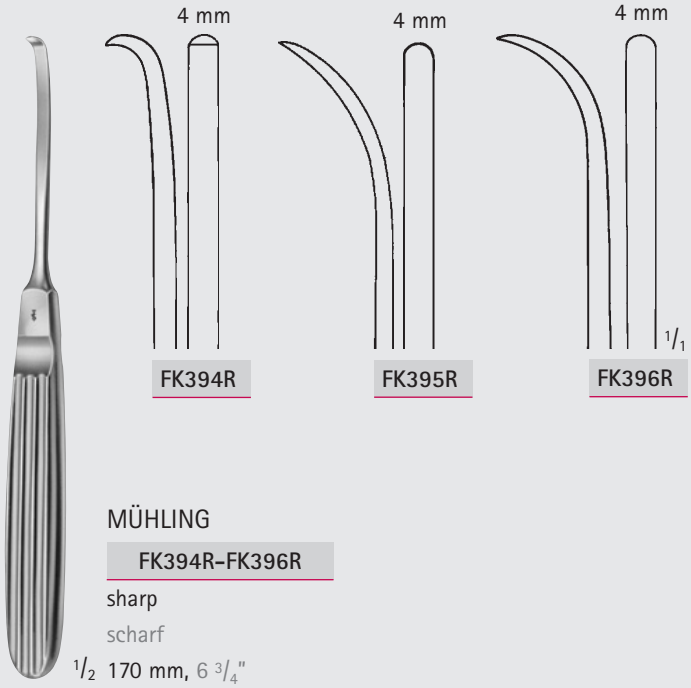
FREER
OL164R
sharp/blunt
scharf/stumpf
180 mm, 7"



FREER
OL165R
blunt/sharp
stumpf/scharf
185 mm, 7 1/4"



FREER-YASARGIL
OL166R
sharp/sharp
scharf/scharf
185 mm, 7 1/4"



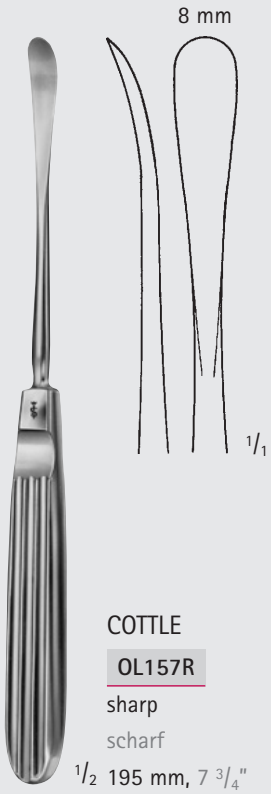
MÜHLING

FK394R–FK396R

sharp

scharf

1/2 170 mm, 6 3/4"



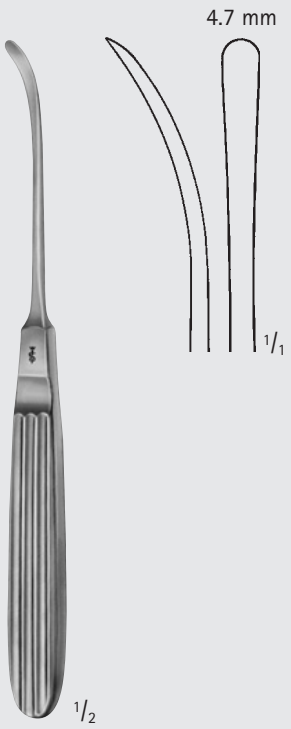
COTTLE

OL157R

sharp

scharf

1/2 195 mm, 7 3/4"



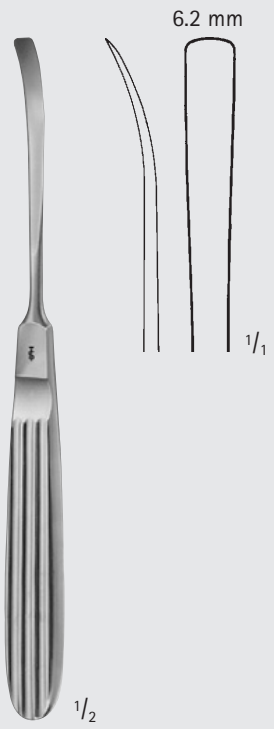
LANDOLT

FK314R

sharp

scharf

175 mm, 7"



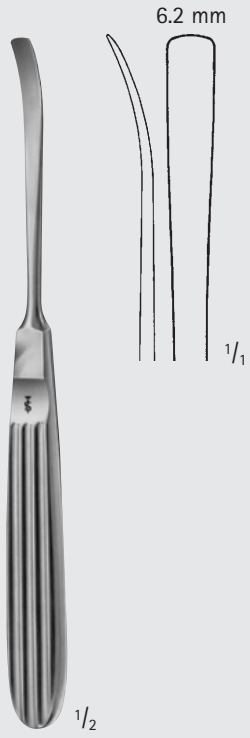
CASPAR

FK328R

sharp

scharf

180 mm, 7"



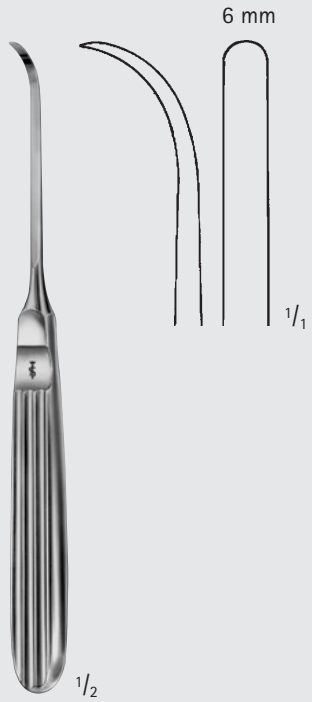
CASPAR

FK329R

semi-sharp

halbscharf

180 mm, 7"

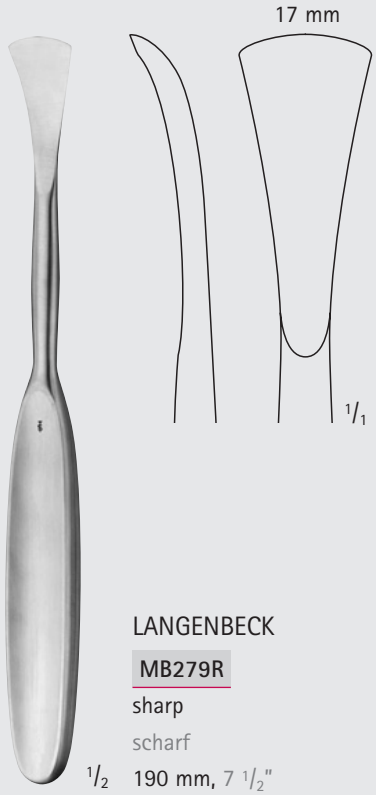


DO523R

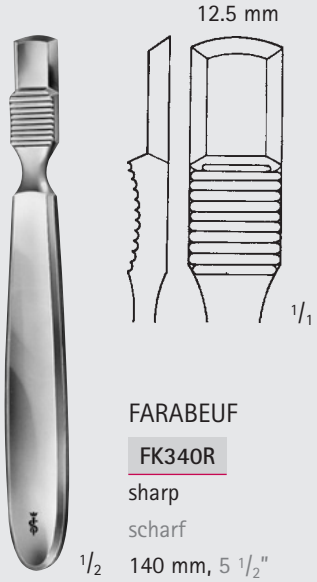
sharp

scharf

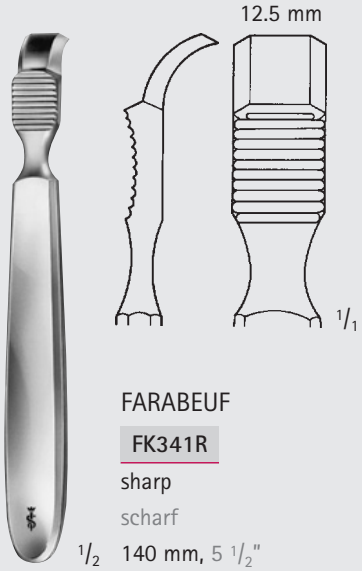
170 mm, 6 3/4"



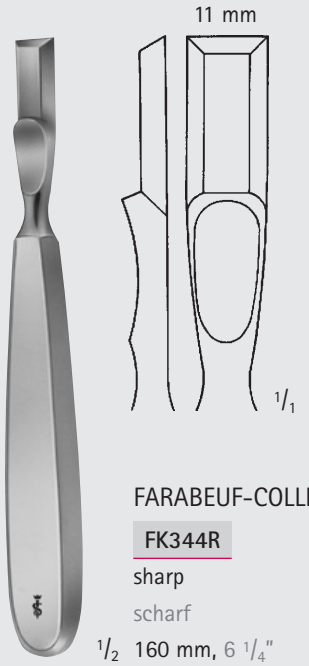
LANGENBECK
MB279R
sharp
scharf
190 mm, 7 1/2"



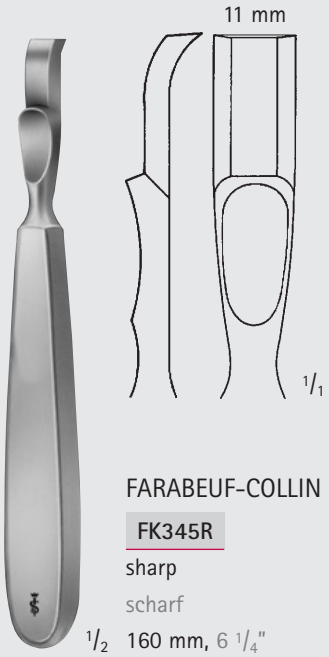
FARABEUF
FK340R
sharp
scharf
140 mm, 5 1/2"



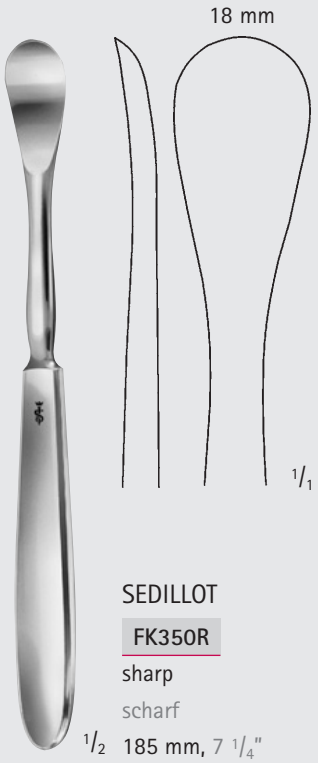
FARABEUF
FK341R
sharp
scharf
140 mm, 5 1/2"



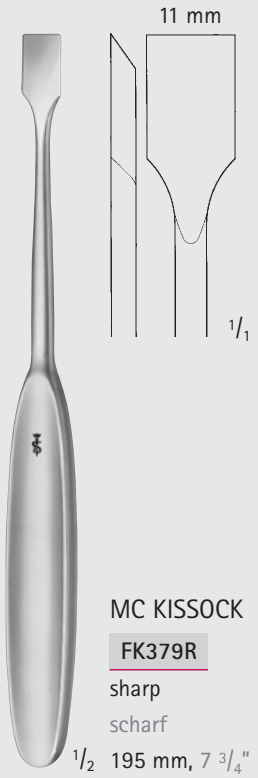
FARABEUF-COLLIN
FK344R
sharp
scharf
160 mm, 6 1/4"



FARABEUF-COLLIN
FK345R
sharp
scharf
160 mm, 6 1/4"



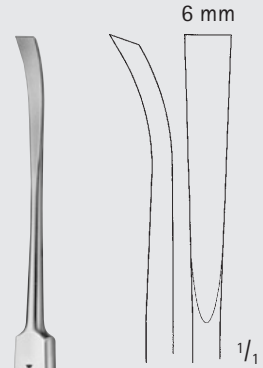
SEDILLOT
FK350R
sharp
scharf
185 mm, 7 1/4"



MC KISSOCK
FK379R
sharp
scharf
1/2 195 mm, 7 3/4"

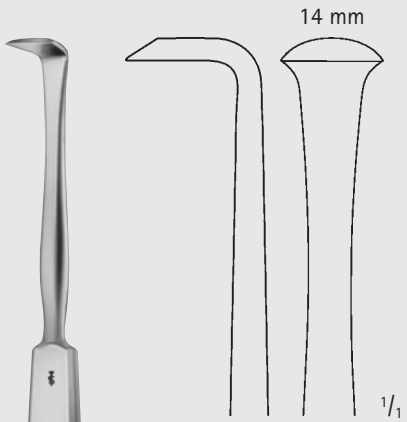
KRÄMER
FK390R
sharp
scharf
1/2 185 mm, 7 1/4"

KRÄMER
FK391R
sharp
scharf
1/2 190 mm, 7 1/2"



PENNYBACKER
FK378R
sharp
scharf
1/2 165 mm, 6 1/2"

LANGENBECK
FK360R
sharp
scharf
1/2 190 mm, 7 1/2"



LANGENBECK
FK361R
sharp
scharf
1/2 180 mm, 7"

KEY	Width Breite	Length Länge
FK410R	6.4 mm	180 mm, 7"
FK411R	9.5 mm	190 mm, 7 1/2"
FK412R	12.7 mm	190 mm, 7 1/2"
FK413R	19.0 mm	200 mm, 8"
FK414R	25.4 mm	210 mm, 8 1/4"

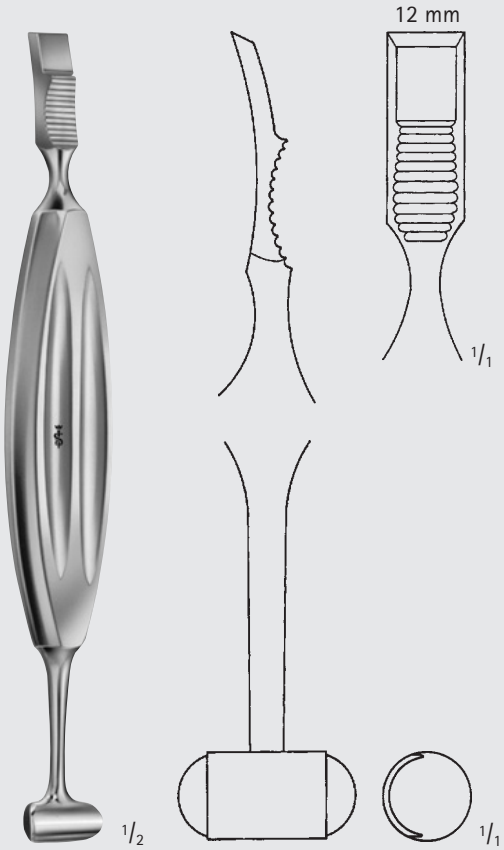
sharp
scharf

FK355R	5 mm
FK356R	10 mm
FK357R	15 mm
FK358R	20 mm
FK359R	25 mm

LAMBOTTE

FK355R–FK359R

sharp
scharf
215 mm, 8 1/2"



ALEXANDER

FK420R

sharp
scharf
210 mm, 8 1/4"

2/3

SEMB

FK381R–FK387R

sharp

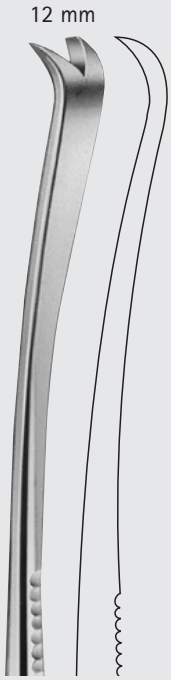
scharf

12 mm

FK381R

190 mm

7 1/2"

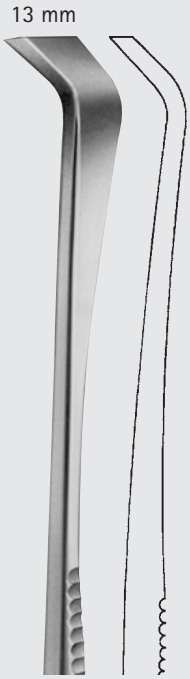


12 mm

FK382R

230 mm

9"

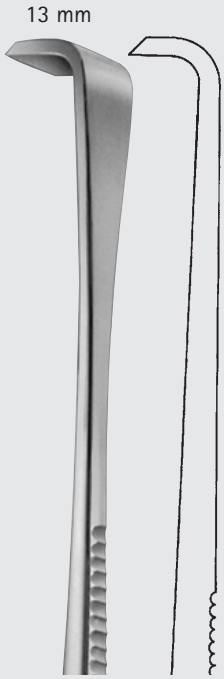


13 mm

FK383R

230 mm

9"

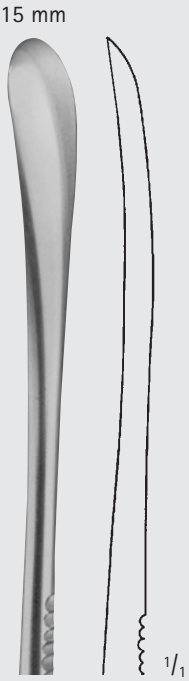


13 mm

FK384R

230 mm

9"



15 mm

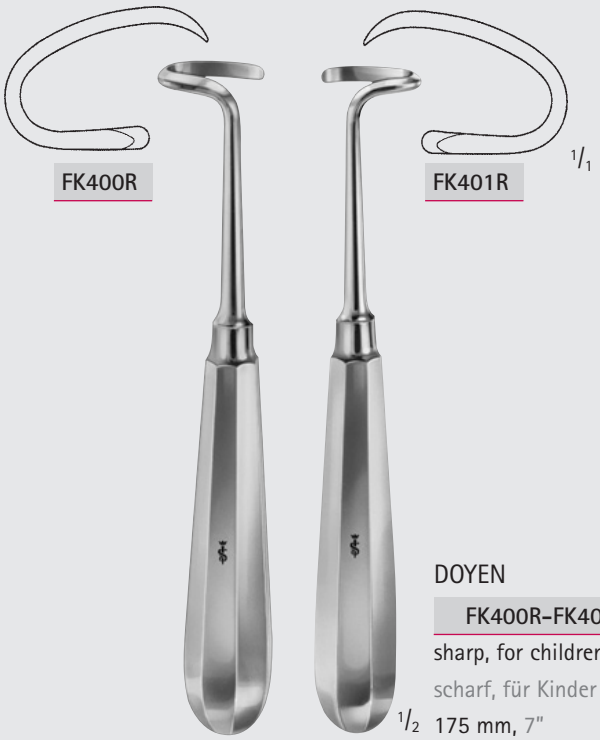
FK387R

230 mm

9"

1/1

MILLIMETERS



DOYEN

FK400R–FK401R

sharp, for children

scharf, für Kinder

175 mm, 7"

DOYEN

FK402R–FK403R

sharp, for adults

scharf, für Erwachsene

175 mm, 7"

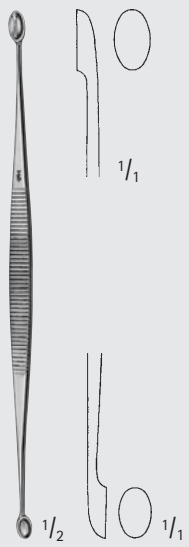
DOYEN

FK408R–FK409R

sharp

scharf

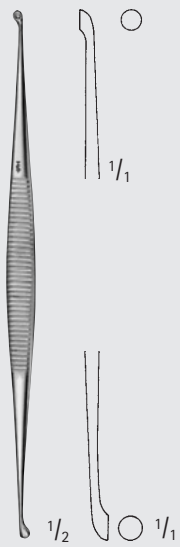
240 mm, 9 1/2"



JACOBSON

FK813R

140 mm, 5 1/2"



MARTINI

FK800R

140 mm, 5 1/2"

MARTINI

FK801R

140 mm, 5 1/2"

WILLIGER

FK814R

145 mm, 5 3/4"

JANSEN

FK803R

160 mm, 6 1/4"

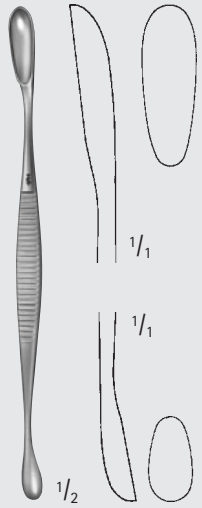
BARTH

FK817R

180 mm, 7"

FK850R

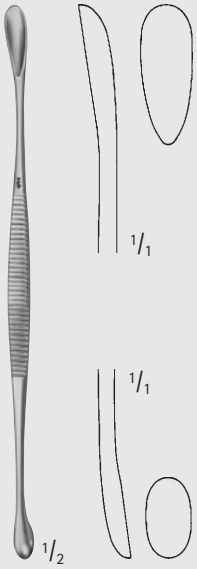
210 mm, 8 1/4"



VOLKMANN

FK840R

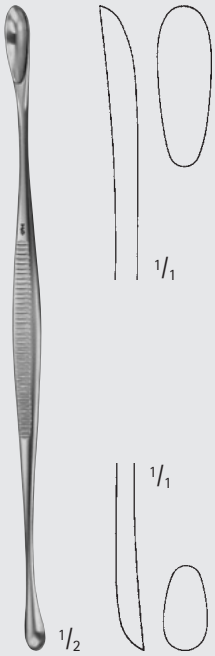
130 mm, 5 1/8"



VOLKMANN

FK841R

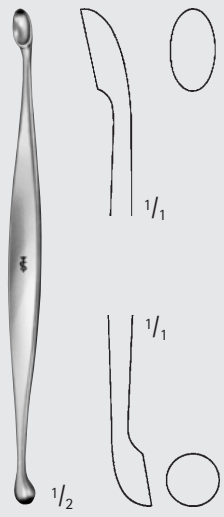
145 mm, 5 3/4"



VOLKMANN

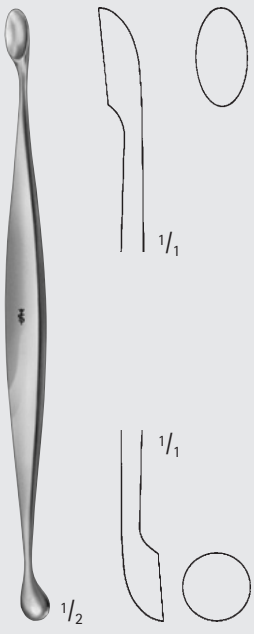
FK842R

170 mm, 6 3/4"



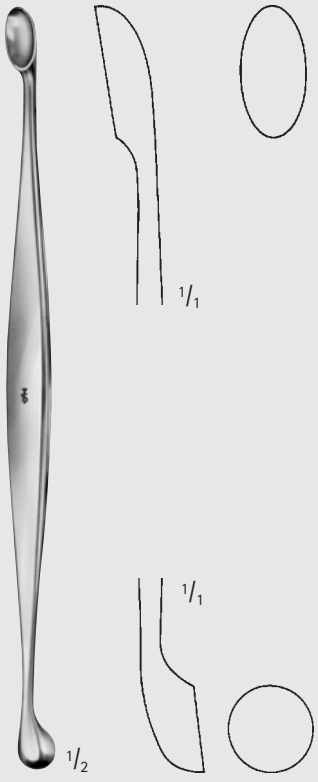
FK845R

130 mm, 5 1/8"



FK846R

160 mm, 6 1/4"



FK848R

200 mm, 8"

3 mm	4 mm	5 mm	6 mm
Fig. 000	Fig. 00	Fig. 0	Fig. 1
FK611R	FK612R	FK613R	FK614R

8 mm	10 mm	12 mm
Fig. 2	Fig. 3	Fig. 4
FK615R	FK616R	FK617R

1/1

1/2

BRUNS

FK611R–FK617R

165 mm, 6 1/2"

2.5 mm	3.4 mm	4.2 mm
Fig. 000	Fig. 00	Fig. 0
FK621R	FK622R	FK623R

5.2 mm	6.3 mm	7.4 mm	8 mm
Fig. 1	Fig. 2	Fig. 3	Fig. 4
FK624R	FK625R	FK626R	FK627R

1/1

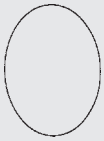
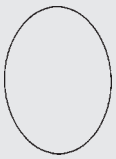
1/2

SCHEDE

FK621R–FK627R

170 mm, 6 3/4"

2.8 mm	3.6 mm	4.4 mm	5.2 mm	6.8 mm
Fig. 0000	Fig. 000	Fig. 00	Fig. 0	Fig. 1
FK630R	FK631R	FK632R	FK633R	FK634R

8.5 mm	10 mm	11.5 mm	13 mm	14.5 mm
				
Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
FK635R	FK636R	FK637R	FK638R	FK639R

1/1

1/2

VOLKMANN

FK630R–FK639R

170 mm, 6 3/4"

1.8 mm

FK675R

2.0 mm

FK676R

2.4 mm

FK677R

2.6 mm

FK678R

2.8 mm

1/1

FK679R

1/2

LEMPERT

FK675R–FK679R

215 mm, 8 1/2"

3.6 mm

Fig. 000

FK702R

4.4 mm

Fig. 00

FK703R

5.2 mm

Fig. 0

FK704R

6.8 mm

1/1

Fig. 1

FK705R

1/2

FK702R–FK705R

250 mm, 10"

1/2

BRUNS

MB872R–MB880R

230 mm, 9"

2.0 mm	2.5 mm	3.3 mm
Fig. 000	Fig. 00	Fig. 0
MB872R	MB873R	MB874R
3.8 mm	**4.8 mm**	**5.3 mm**
Fig. 1	Fig. 2	Fig. 3
MB875R	MB876R	MB877R
6.0 mm	**6.7 mm**	**7.3 mm**
Fig. 4	Fig. 5	Fig. 6
MB878R	MB879R	MB880R

1/1

MILLIMETERS

1/1

WITT

SR421R 1.4 x 40 mm

Sternal puncture needle with Luer cone

Sternum-Punktionskanüle mit Luer-Ansatz

90 mm, 3 1/2"

1/2

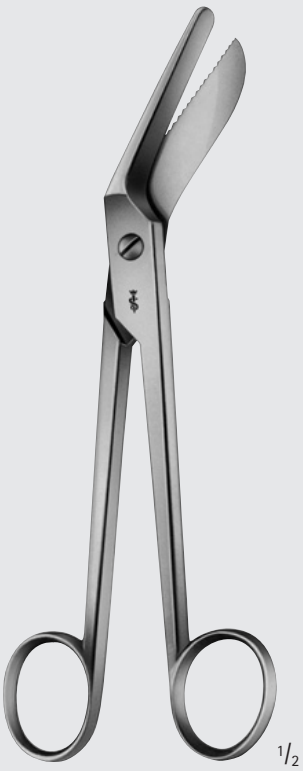
SCHUMACHER

FB911R

Sternum shears

Sternumschere

210 mm, 8 1/4"



BRAUN-STADLER

ET141R

Sternum shears for children

Sternumschere für Kinder

200 mm, 8"

LEBSCHE

FB918R

Sternum chisel

Sternummeißel

200 mm, 8"

FB870R
230 mm, 9"

GLUCK

FB873R
190 mm, 7 1/2"

BETHUNE

FB878R
340 mm, 13 1/2"

SAUERBRUCH

FB881R
for children
für Kinder
240 mm, 9 1/2"

FB882R
for adults
für Erwachsene
270 mm, 10 3/4"

1/3

BRUNNER

FB892R

Universal pattern

Universalmodell

340 mm, 13 1/2"

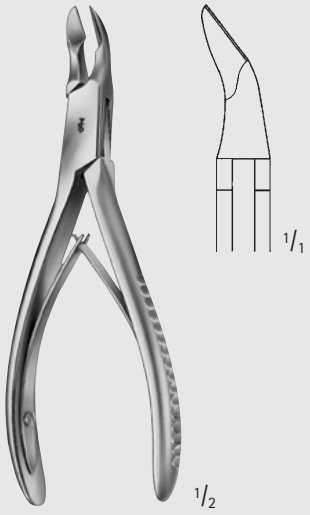
1/3

GIERTZ-STILLE

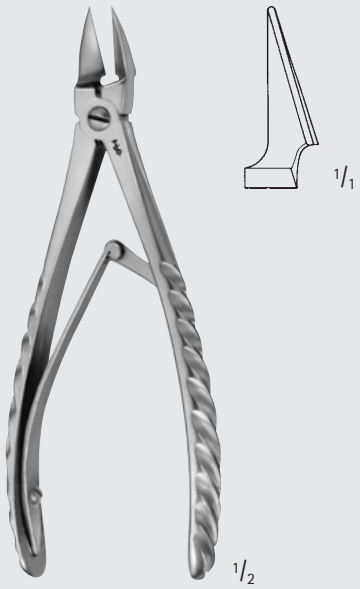
FB890R

250 mm, 10"

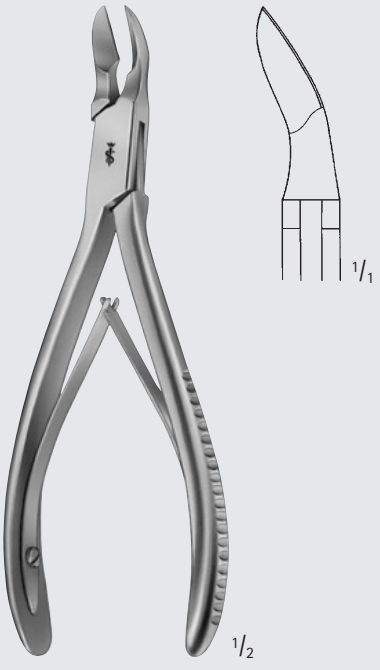
MILLIMETERS



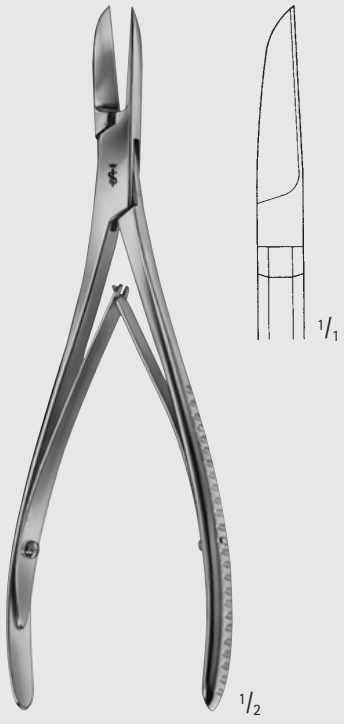
FO601R
130 mm, 5 1/8"



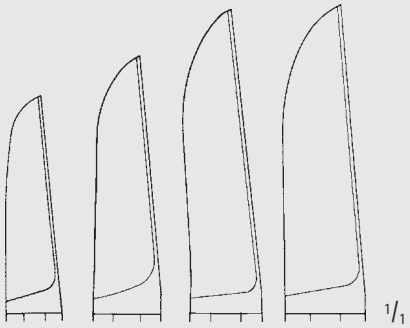
STAMM
FO604R
150 mm, 6"



FO602R
170 mm, 6 3/4"



KAZANJIAN
OK378R
185 mm, 7 1/2"

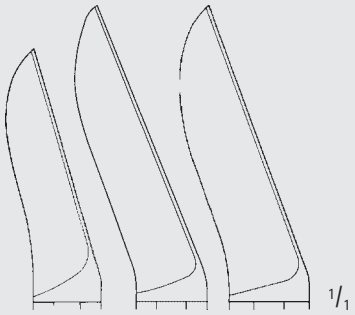


1/1

FO620R	FO622R	FO624R	FO626R
140 mm	170 mm	200 mm	220 mm
5 1/2"	6 3/4"	8"	8 3/4"

LISTON

FO620R–FO626R



1/1

FO632R	FO634R	FO636R
170 mm	200 mm	220 mm
6 3/4"	8"	8 3/4"

LISTON

FO632R–FO636R

BÖHLER

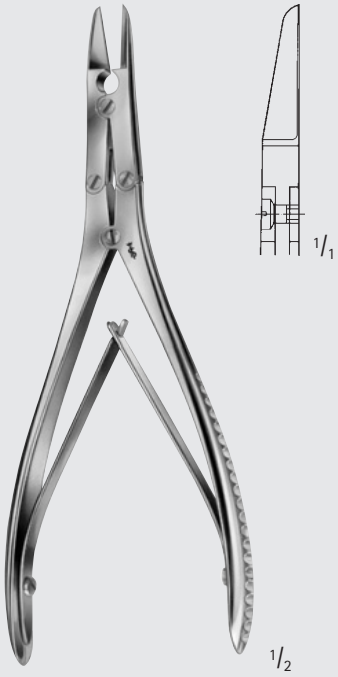
FO610R

145 mm, 5 3/4"

BÖHLER

FO611R

145 mm, 5 3/4"



FO612R

170 mm, 6 3/4"

MC INDOE

FO614R

175 mm, 7"

RUSKIN-LISTON

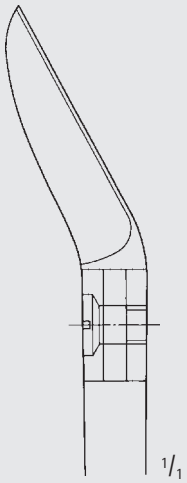
FO640R

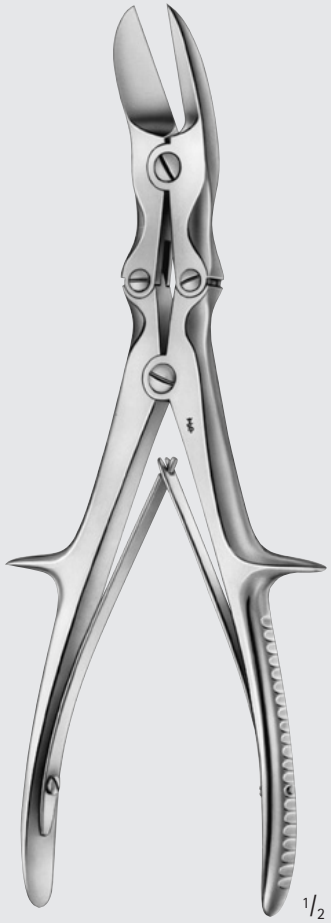
190 mm, 7 1/2"

RUSKIN-LISTON

FO641R

190 mm, 7 1/2"

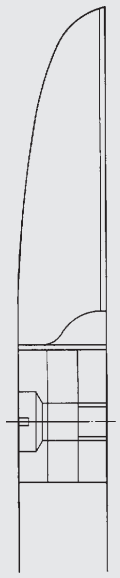




LISTON

FO645R

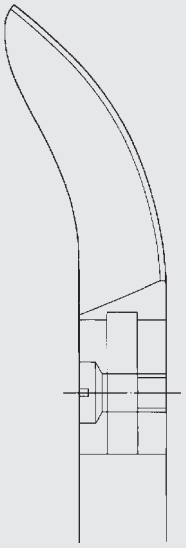
240 mm, 9 1/2"



LISTON

FO646R

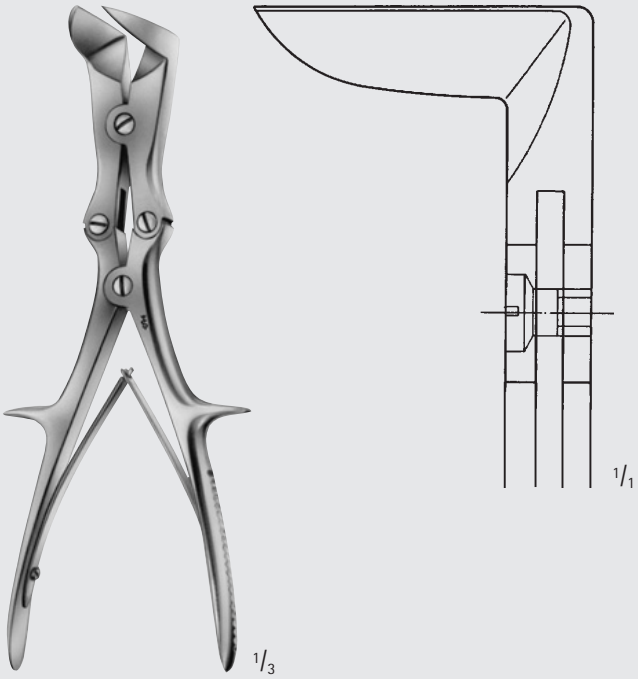
280 mm, 11"



LISTON

FO647R

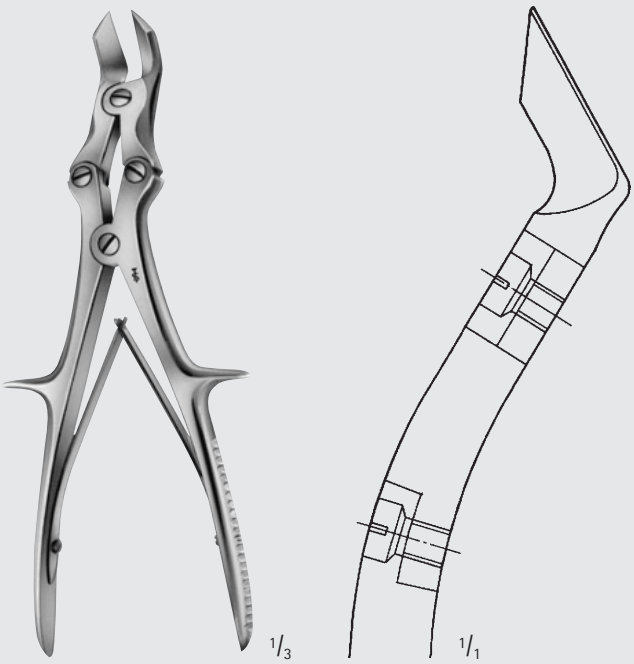
280 mm, 11"



LISTON-STILLE

FO648R

265 mm, 10 1/2"



LISTON-KEY-HORSLEY
(TUDOR EDWARDS)

FO649R

S-shaped for posterior rib ends
doppelt gebogen für hintere Rippenstümpfe
255 mm, 10"

BÖHLER

FO500R–FO502R

155 mm, 6"

MAYFIELD

FO511R

175 mm, 7"

MARQUARDT

FO520R

200 mm, 8"

FO514R–FO515R

180 mm, 7"

RUSKIN

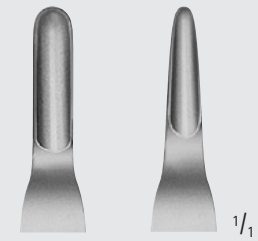
FO518R

190 mm, 7 1/2"

RÖTTGEN-RUSKIN

FO521R

240 mm, 9 1/2"



1/1

FO526R FO527R

1/2

LEKSELL

FO526R–FO527R

245 mm, 9 3/4"

1/1

FO522R FO523R

1/2

ECHLIN

FO522R–FO523R

230 mm, 9"

1/1

1/2

FRYKHOLM

FO525R

240 mm, 9 1/2"

STILLE

FO530R

230 mm, 9"

LEKSELL-STILLE

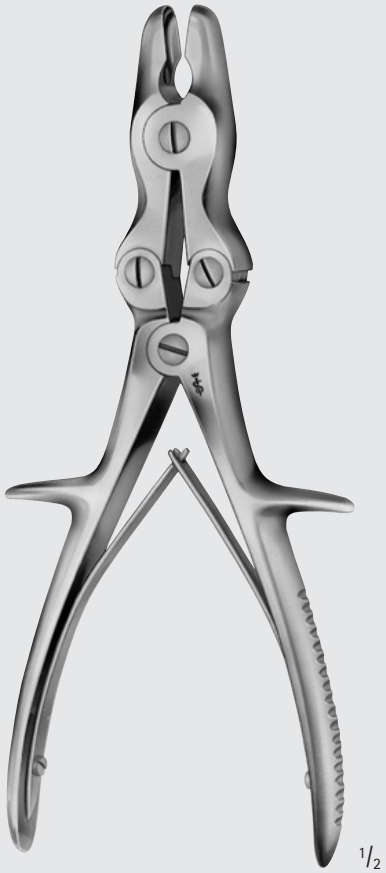
FO532R

240 mm, 9 1/2"

STILLE-RUSKIN

FO534R

240 mm, 9 1/2"



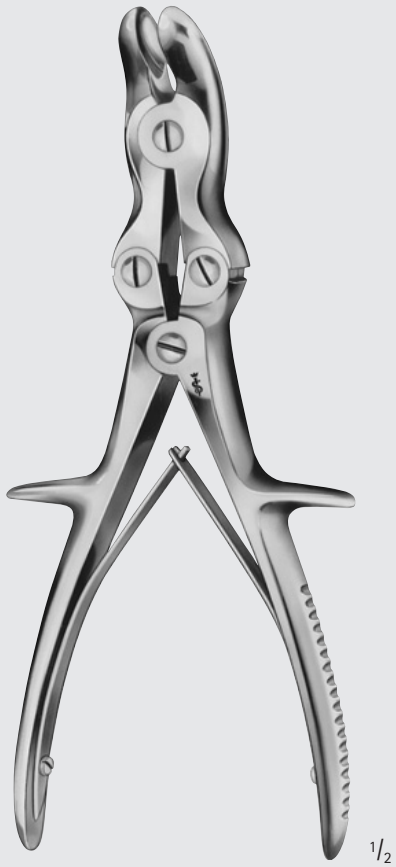
1/1

1/2

LUER-STILLE

FO550R

225 mm, 9"



1/1

1/2

LUER-STILLE

FO551R

225 mm, 9"

LUER-STILLE

FO566R

270 mm, 10 3/4"

SEMB

FO555R

240 mm, 9 1/2"

1/2

1/1

FO570R

FO572R

SAUERBRUCH-CORYLLOS

FO570R–FO572R

310 mm, 12 3/8"

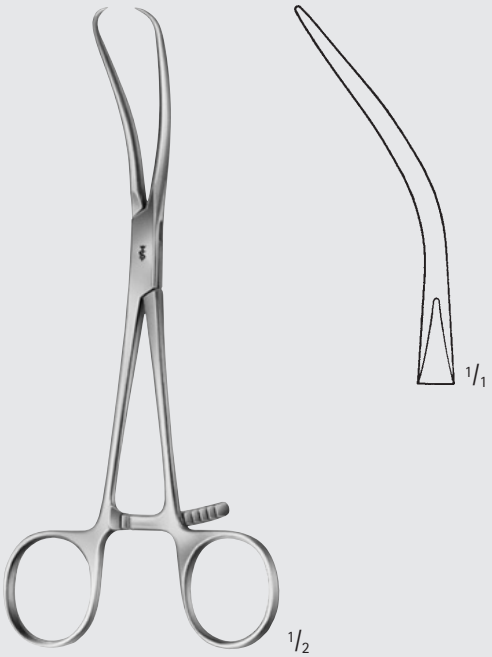
FO120R
200 mm, 8"

LANGENBECK
FO127R
205 mm, 8"

FERGUSSON
FO130R
205 mm, 8"

SEMB
FO135R
190 mm, 7 1/2"

SEMB
FO136R
190 mm, 7 1/2"



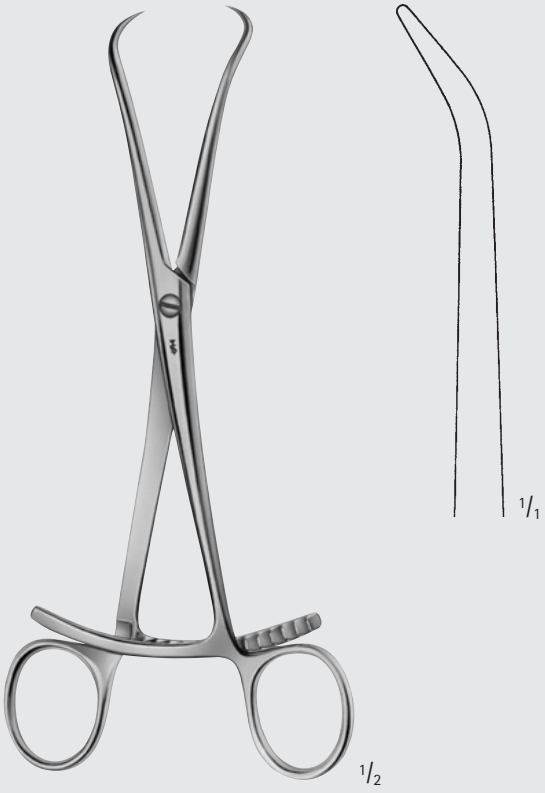
REILL

FO116R

Reposition forceps

Repositionszange

170 mm, 6 3/4"



FO118R

Reposition forceps

Repositionszange

205 mm, 8"

KY002S–KY015S

Wire, soft, tissue compatible, in coils of 10 m
Material used for implants: stainless steel acc. to DIN 17 443 resp. ISO 5832/I grade B (AISI 316 LVM)
Draht, weich, gewebeverträglich, in Ringen zu 10 m
Implantatwerkstoff: Nichtrostender Stahl nach DIN 17 443 bzw. ISO 5832/I grade B (AISI 316 LVM)

Diam. / Ø	0.2 mm	0.3 mm	0.4 mm	0.5 mm	0.6 mm	0.7 mm	0.8 mm	0.9 mm	1.0 mm	1.2 mm	1.5 mm
	KY002S	KY003S	KY004S	KY005S	KY006S	KY007S	KY008S	KY009S	KY010S	KY012S	KY015S
Gauge	35	30	27	25	23	22	21	20	19	18	17

1/1

ORMROD-SCHMITT

KY100S

Ligature disc
Ligaturplättchen
Material used for implants: stainless steel acc. to DIN 17 443 resp. ISO 5832/I grade B (AISI 316 LVM)
Implantatwerkstoff: Nichtrostender Stahl nach DIN 17 443 bzw. ISO 5832/I grade B (AISI 316 LVM)

1/2

1/1

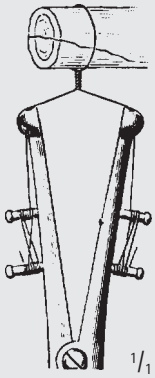
Movable tip made of **material used for implants.** While twisting the movable head remains stable, therefore the wire will not slip off.
Spannbuchse aus **Implantatwerkstoff,** drehbar gelagerte Kopfscheibe.
Die drehbar gelagerte Kopfscheibe dreht sich während des Quirlvorgangs nicht mit.
Dadurch wird ein Abscheren des Cerclage-Drahts vermieden.

LOUTE

KY220S

Wire tightener, improved pattern, with movable tip, for wires up to 1.0 mm diam.
Drahtspanner, verbessertes Modell, mit an der Spitze eingebauter beweglicher Drahtspannbuchse für Draht bis 1,0 mm Ø
220 mm, 8 3/4"

1/3


1/1

DEMEL

KY225R

Wire tightening and twisting forceps
Drahtspannzange
270 mm, 10 3/4"

ANGLE

DP540R

130 mm, 5 1/8"

for soft wire up to diam.	0.5 mm
für weichen Draht bis Ø	0,5 mm
for hard wire up to diam.	0.3 mm
für harten Draht bis Ø	0,3 mm

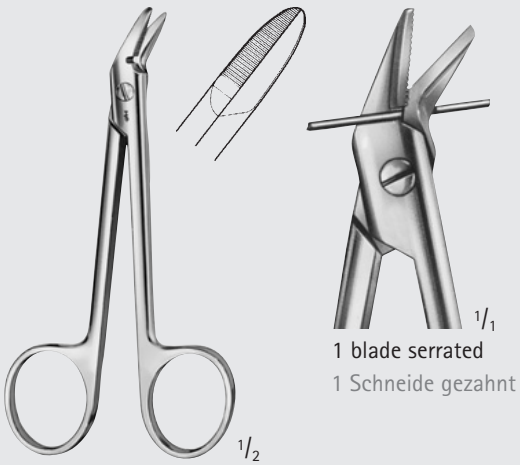
spezialvergütete Schneiden
specially hardened cutting edges

ANGLE

DP541R

130 mm, 5 1/8"

for soft wire up to diam.	0.6 mm
für weichen Draht bis Ø	0,6 mm
for hard wire up to diam.	0.4 mm
für harten Draht bis Ø	0,4 mm



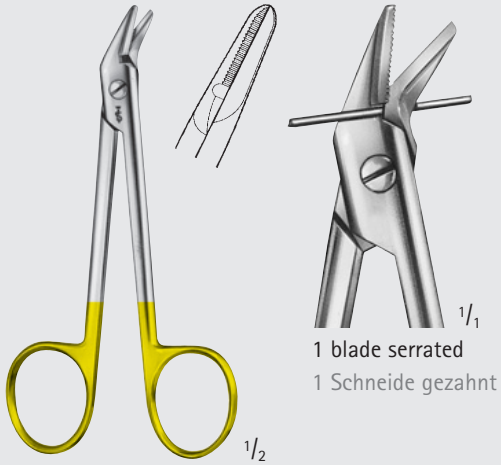
1 blade serrated
1 Schneide gezahnt

DP551R

120 mm, 4 3/4"

for soft wire up to diam.	1.2 mm
für weichen Draht bis Ø	1,2 mm
for hard wire up to diam.	0.6 mm
für harten Draht bis Ø	0,6 mm

spezialvergütete Schneiden
specially hardened cutting edges



1 blade serrated
1 Schneide gezahnt

DP552R

120 mm, 4 3/4"

for soft wire up to diam.	1.2 mm
für weichen Draht bis Ø	1,2 mm
for hard wire up to diam.	0.8 mm
für harten Draht bis Ø	0,8 mm

Blades serrated
Schneiden gezahnt

HARVEY

BC815R

125 mm, 5"

for soft wire up to diam.	0.4 mm
für weichen Draht bis Ø	0,4 mm
for hard wire up to diam.	0.3 mm
für harten Draht bis Ø	0,3 mm

DP501R

150 mm, 6"

	1.5 mm
	1,5 mm
	1.0 mm
	1,0 mm

DP505R

160 mm, 6 1/4"

for soft wire up to diam.	1.5 mm
für weichen Draht bis Ø	1,5 mm
for hard wire up to diam.	1.2 mm
für harten Draht bis Ø	1,2 mm

spezialvergütete
Schneiden
specially hardened
cutting edges

DP530R

140 mm, 5 1/2"

	1.5 mm
	1,5 mm
	1.0 mm
	1,0 mm

MILLIMETERS

1/1

spezialvergütete Schneiden
specially hardened cutting edges

1/2

LX156R
235 mm, 9 1/4"

for soft wire up to diam.	3.0 mm
für weichen Draht bis Ø	3,0 mm
for hard wire up to diam.	2.2 mm
für harten Draht bis Ø	2,2 mm

1/1

spezialvergütete Schneiden
specially hardened cutting edges

1/2

HARVEY

LX157R
235 mm, 9 1/4"

3.0 mm	
3,0 mm	
2.2 mm	
2,2 mm	

INCHES

spezialvergütete Schneiden
specially hardened cutting edges

LX149R

angled slender pattern for wire removal after sternum suture

abgewinkelte schlanke Form zur Drahtentfernung nach Sternumnaht

170 mm, 6 3/4"

for soft wire up to diam.	0.9 mm
für weichen Draht bis Ø	0,9 mm
for hard wire up to diam.	-
für harten Draht bis Ø	-

1/1

spezialvergütete Schneiden
specially hardened cutting edges

1/2

LX158R

Wire cutters, front- and lateral cutting action
Kopf- und Seitenschneider
180 mm, 7"

for soft wire up to diam.	2.0 mm
für weichen Draht bis Ø	2,0 mm
for hard wire up to diam.	1.5 mm
für harten Draht bis Ø	1,5 mm

1/1

spezialvergütete Schneiden
specially hardened cutting edges

1/2

REILL

LX159R

for cutting off wires close to the bone
Schneiden gebogen, zum Abzwicken direkt am Knochen
175 mm, 7"

2.0 mm	
2,0 mm	
1.5 mm	
1,5 mm	

spezialvergütete Schneiden
specially hardened cutting edges

DP520R

1/2 145 mm, 5 3/4"

for soft wire up to diam.	1.5 mm
für weichen Draht bis Ø	1,5 mm
for hard wire up to diam.	1.0 mm
für harten Draht bis Ø	1,0 mm

spezialvergütete Schneiden
specially hardened cutting edges

LX150R

1/2 145 mm, 5 3/4"

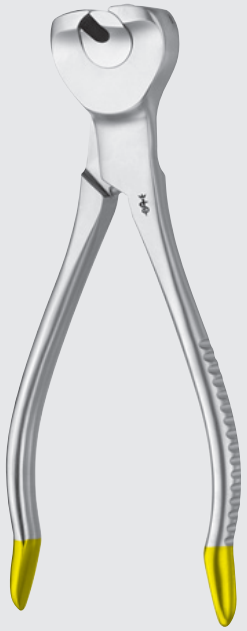
2.0 mm	
2,0 mm	
1.5 mm	
1,5 mm	

spezialvergütete Schneiden
specially hardened cutting edges

LX152R

1/2 220 mm, 8 3/4"

for soft wire up to diam.	3.0 mm
für weichen Draht bis Ø	3,0 mm
for hard wire up to diam.	2.0 mm
für harten Draht bis Ø	2,0 mm



spezialvergütete Schneiden
specially hardened cutting edges

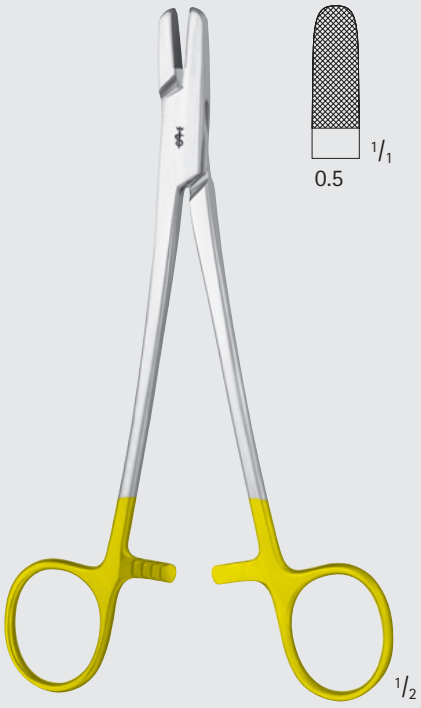
LX163R

1/2 165 mm, 6 1/2"

3.5 mm	
3,5 mm	
2.5 mm	
2,5 mm	

with hard metal inserts
mit Hartmetallbacken

BM113R
for sternum suture
für die Sternumnaht
175 mm, 7"



BERRY
MD456R
Wire twister, ligature forceps
Drahtspannzange, Ligaturzange
185 mm, 7 1/4"

LX176R

Holding forceps for cerclage wire, with lateral jaws to avoid wire slipping off

Drahtfasszange mit seitlichen Backen gegen Abrutschen des Drahtes

170 mm, 6 3/4"

BM110R

Wire twister, ligature forceps

Drahtspannzange, Ligaturzange

150 mm, 6"

BM111R

Wire twister, ligature forceps

Drahtspannzange, Ligaturzange

150 mm, 6"

BAUMGARTNER

BM112R

Wire twister, ligature forceps

Drahtspannzange, Ligaturzange

200 mm, 8"

1/1

with serrated jaws
beidseitig kariert

1/2

MARBURG MODELL

DP031R

140 mm, 5 1/2"

one jaw smooth
eine Seite glatt

1/1

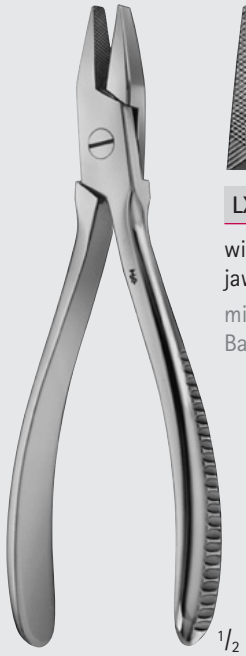
one jaw serrated
eine Seite kariert

1/2

GOSLEE

DP035R

140 mm, 5 1/2"



1/1

LX170R

with serrated jaws
mit gerieften Backen

LX171R

with longitudinal and transversal grooves
mit Längs- und Querrillen

1/2

LX170R–LX171R

170 mm, 6 3/4"

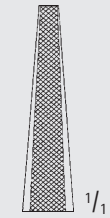
1/1

1/2

LX172R

190 mm, 7 1/2"

LX181R–LX183R



1/1

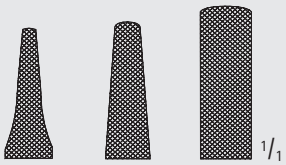
LX181R

Round pliers

Rundzange

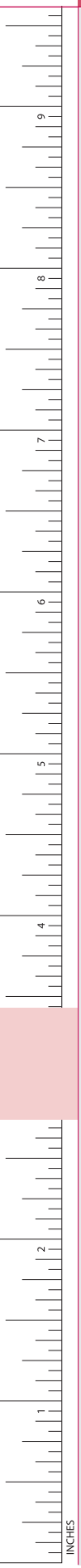
180 mm

7"



1/1

LX185R	LX182R	LX183R
Extraction pliers for wires		
Extraktionszangen für Bohrdrähte		
145 mm	180 mm	180 mm
5 3/4"	7"	7"


INCHES
1
2
4
5
6
7
8
9

Retractors
Sperrer

Retraction Systems, Retractors, Hooks
Sperrersysteme, Spreizer und Wundhaken

SELLORS

FB840R

Rib spreader and contractor with turnable blades

Rippensperrer und -kontraktor mit drehbaren Klauen

200 mm, 8"

BAILEY

FB844R

150 mm, 6"

FB841R

for children

für Kinder

FB842R

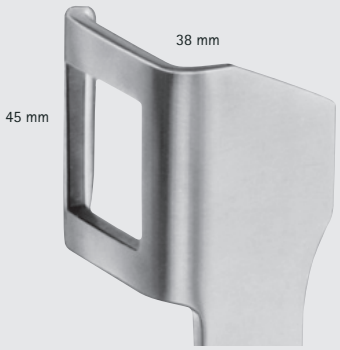
for adults

für Erwachsene

BAILEY

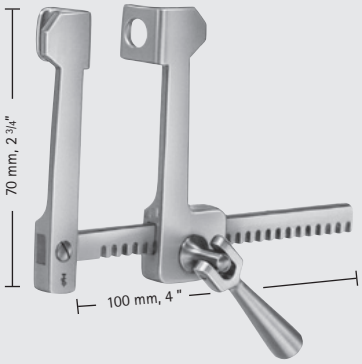
FB841R-FB842R

200 mm, 8"



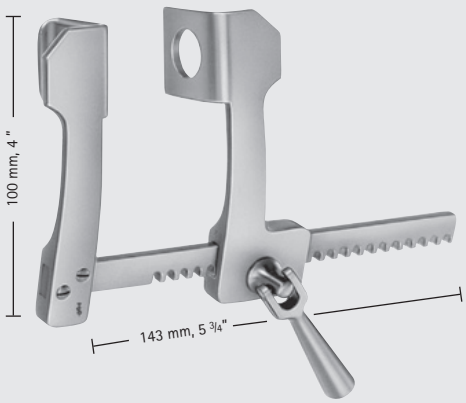
Dimensions for blade size of rib spreaders:
1st number = depth
2nd number = width
Example: 38 x 45 mm

Maßangaben für Blattgrößen der Rippensperrer
1. Zahl = Tiefe
2. Zahl = Breite
Beispiel: 38 x 45 mm



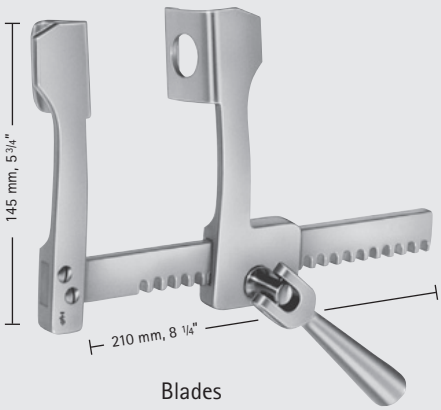
Blades
FINOCHIETTO Blätter

FC040A	12 x 15 mm



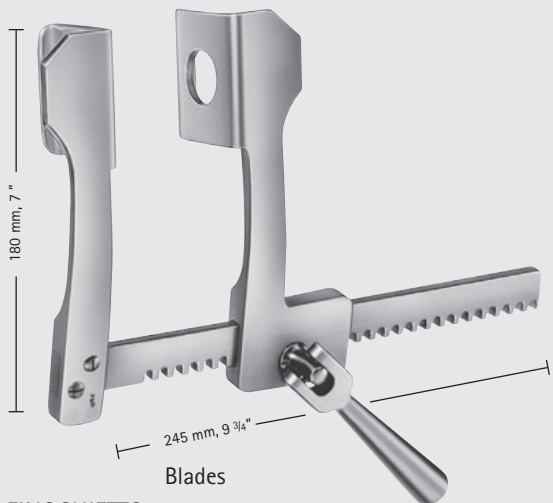
Blades
FINOCHIETTO Blätter

FC041A	28 x 30 mm



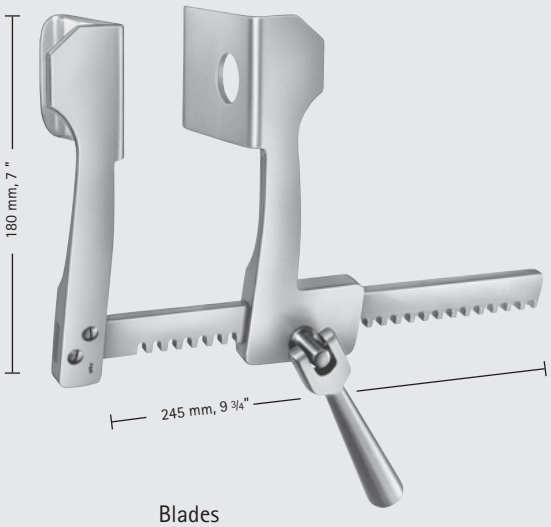
Blades
FINOCHIETTO Blätter

FC042A	31 x 45 mm



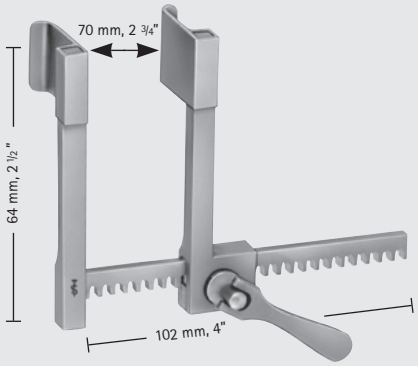
Blades
FINOCHIETTO Blätter

FC043A	42 x 61 mm



Blades
FINOCHIETTO Blätter

FC044A 74 x 64 mm

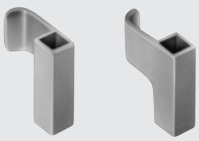


STRUCK

FB852R

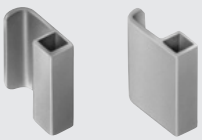
Rib spreader for infants complete, consisting of:
FB853R Retractor only
FB857R Blades (pair)
FB858R Blades (pair)

Rippensperrer für Kleinkinder komplett, bestehend aus:
FB853R Sperrer allein
FB857R Blätter (Paar)
FB858R Blätter (Paar)

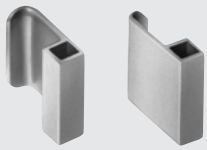


FB854R 10 x 10 mm
Blades
Blätter

FB855R 10 x 15 mm
Blades
Blätter

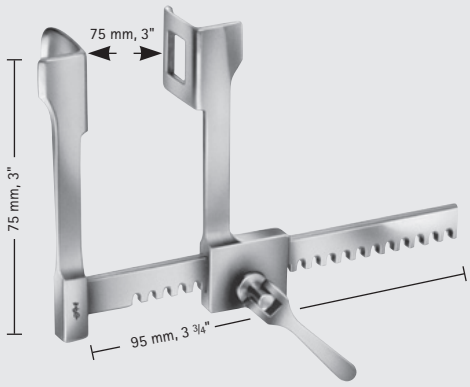


FB856R 10 x 20 mm
Blades
Blätter

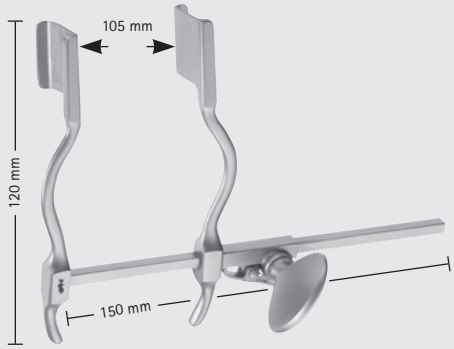


FB857R 15 x 20 mm
Blades
Blätter

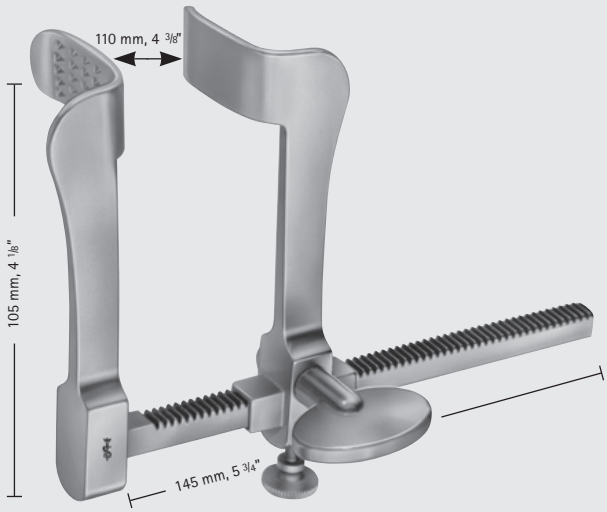
FB858R 20 x 20 mm
Blades
Blätter



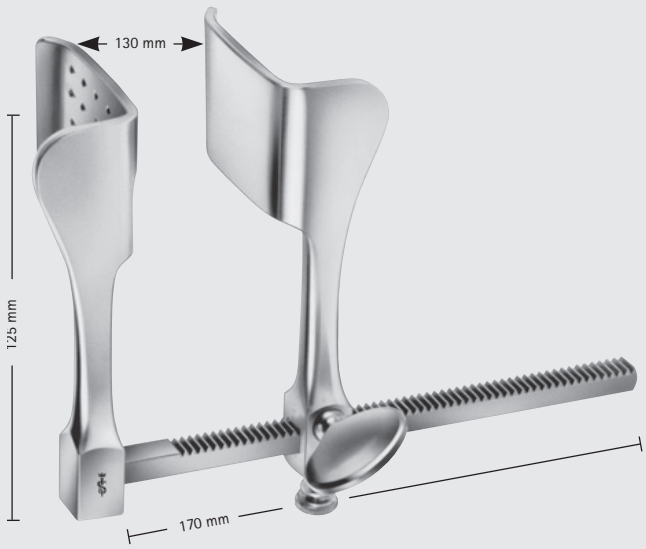
Blades
FINOCHIETTO Blätter
FB830R 18 x 21 mm



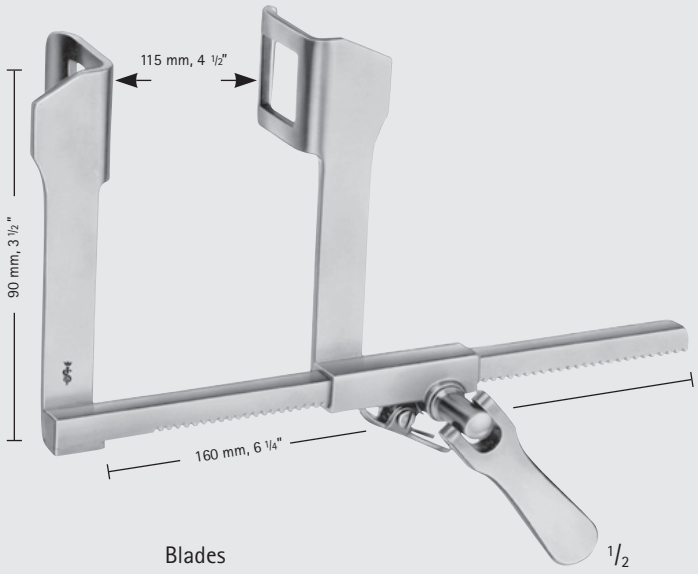
Blades
HERTZLER Blätter
BV512R 20 x 25 mm



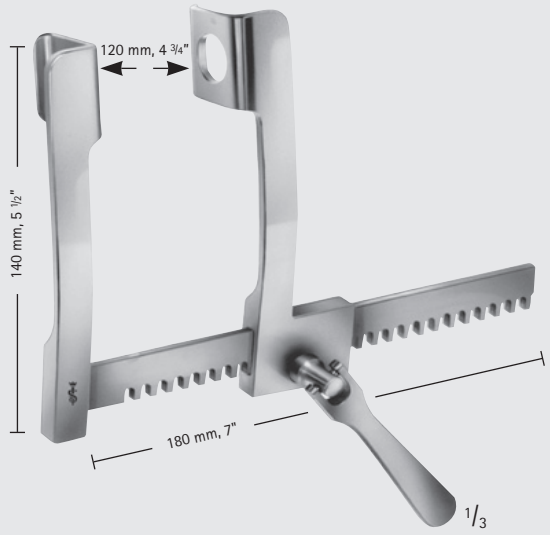
Blades
TUFFIER Blätter
FB847R 32 x 19 mm



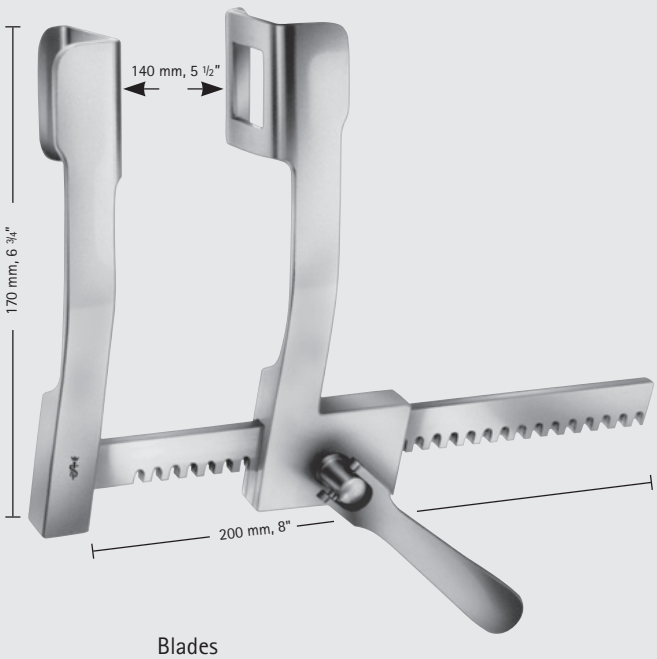
Blades
TUFFIER Blätter
FB800R 43 x 53 mm



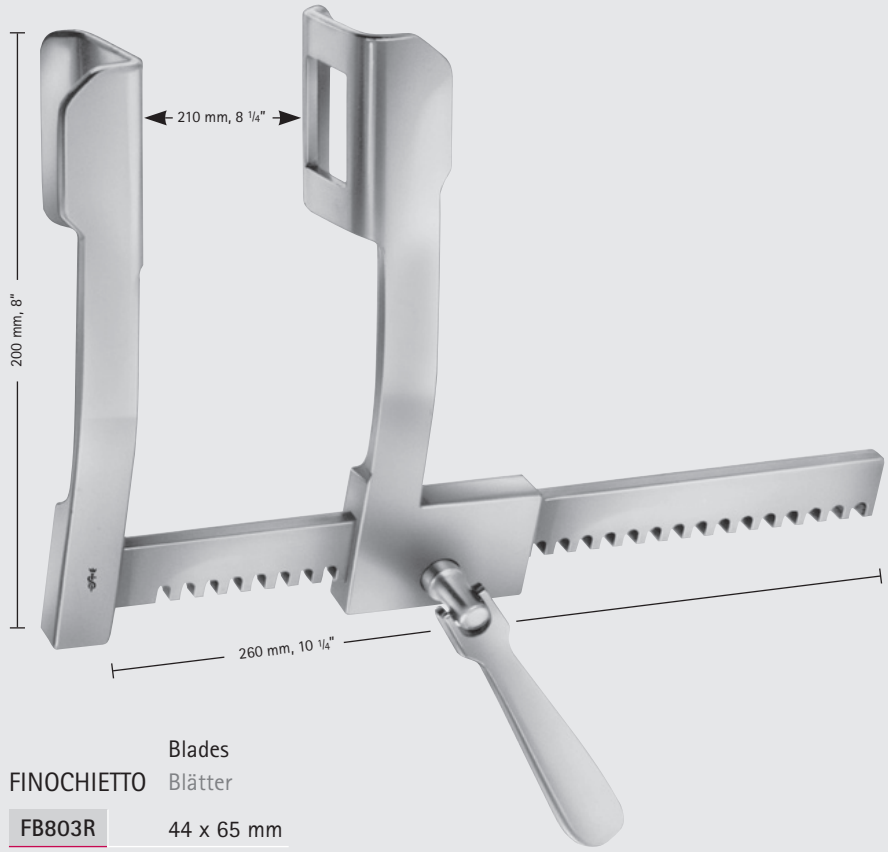
Blades
HAIGHT Blätter
FB835R 30 x 30 mm



Blades
FINOCHIETTO Blätter
FB836R 28 x 32 mm



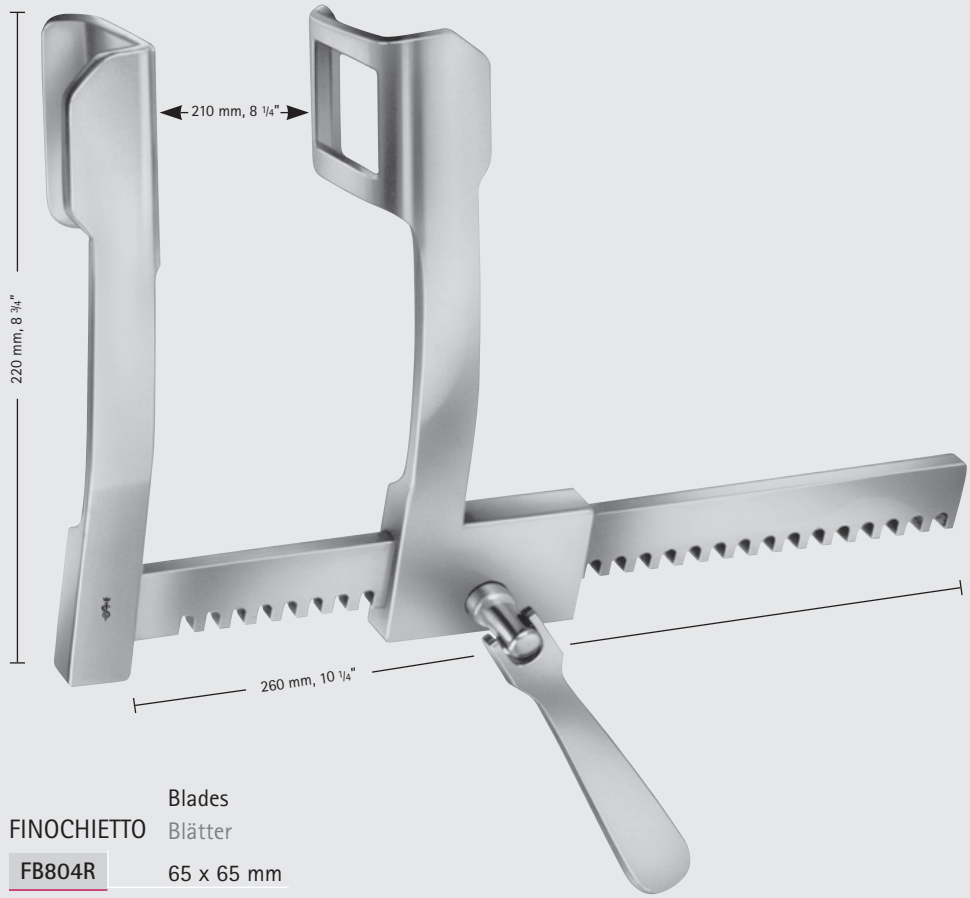
Blades
FINOCHIETTO Blätter
FB802R 36 x 45 mm



FINOCHIETTO

Blades
Blätter

FB803R 44 x 65 mm



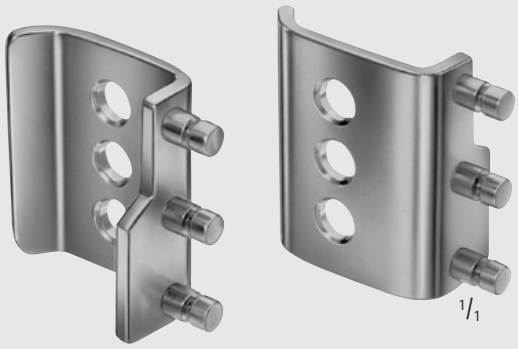
FINOCHIETTO

Blades
Blätter

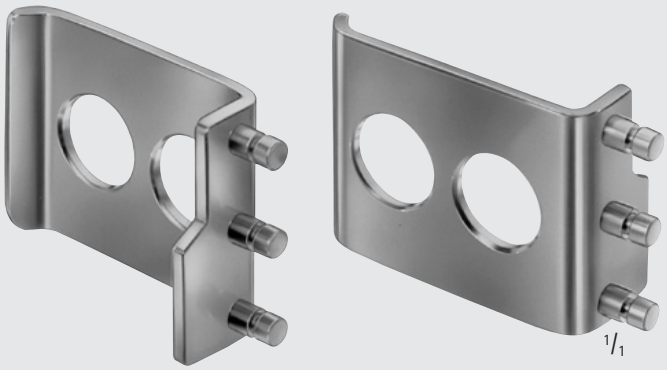
FB804R 65 x 65 mm

MILLIMETERS

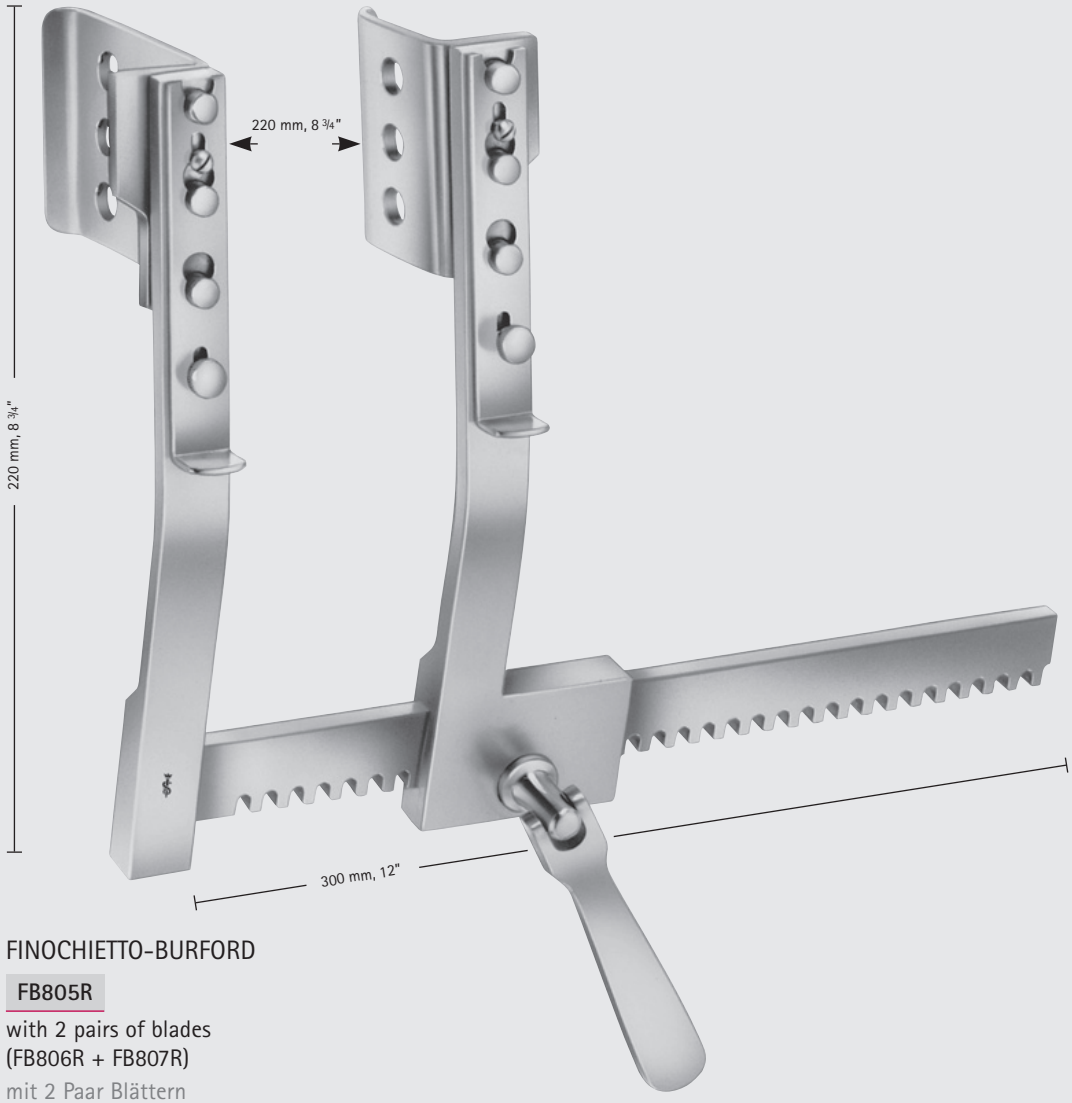
Sales unit of blades:
PAA = pair
Bestelleinheit der Blätter:
PAA = Paar



FB806R 45 x 64 mm
Blades
Blätter



FB807R 75 x 64 mm
Blades
Blätter



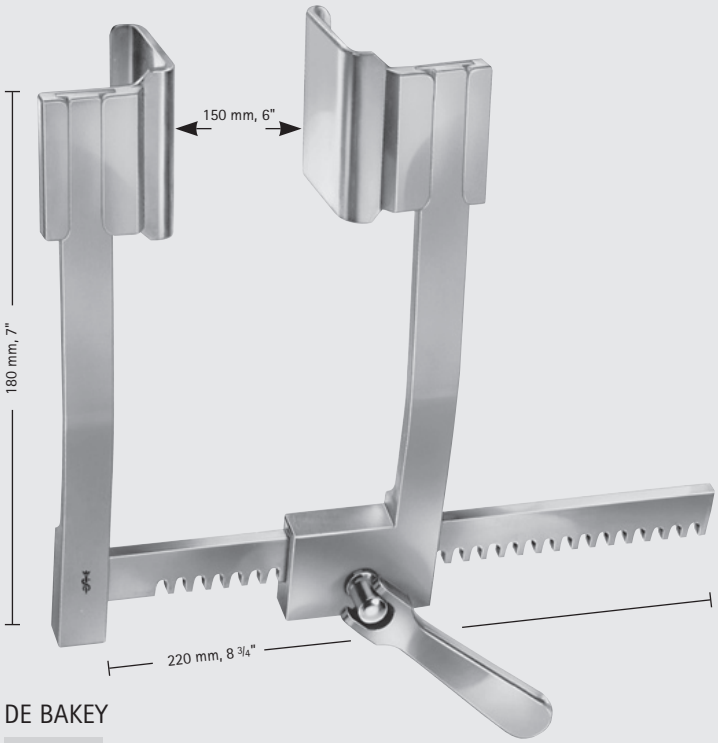
FINOCHIETTO-BURFORD

FB805R
with 2 pairs of blades
(FB806R + FB807R)
mit 2 Paar Blättern
(FB806R + FB807R)

Sales unit of blades:
PAA = pair
Bestelleinheit der Blätter:
PAA = Paar

Special advantages:
- Improved fixing system for interchangeable blades.
- No protruding parts, therefore no risk of catching sutures.

Besondere Vorteile:
- Blätter ohne Schrauben und Hebel austauschbar.
- Keine überstehenden Teile, glatte Flächen, daher kein Hängenbleiben von Ligaturfäden usw.



DE BAKEY

FB808R

Rib spreader complete,
consisting of:
FB809R Spreader only
FB810R Blades (pair)
FB811R Blades (pair)
FB812R Blades (pair)

Rippensperrer komplett,
bestehend aus:
FB809R Sperrer allein
FB810R Blätter (Paar)
FB811R Blätter (Paar)
FB812R Blätter (Paar)

FB810R 30 x 30 mm
Blades
Blätter

FB811R 40 x 40 mm
Blades
Blätter

FB812R 50 x 50 mm
Blades
Blätter

Rib Retractors
Rippensperrer

Special advantages:
- Improved fixing system for interchangeable blades.
- No protruding parts, therefore no risk of catching sutures.

Besondere Vorteile:
- Blätter ohne Schrauben und Hebel austauschbar.
- Keine überstehenden Teile, glatte Flächen, daher kein Hängenbleiben von Ligaturfäden usw.

Sales unit of blades:
PAA = pair

Bestelleinheit der Blätter:
PAA = Paar

1/1

FB813R 50 x 66 mm
Sternotomy blades
Sternotomieblätter

1/1

FB816R 60 x 60 mm
Blades
Blätter

1/1

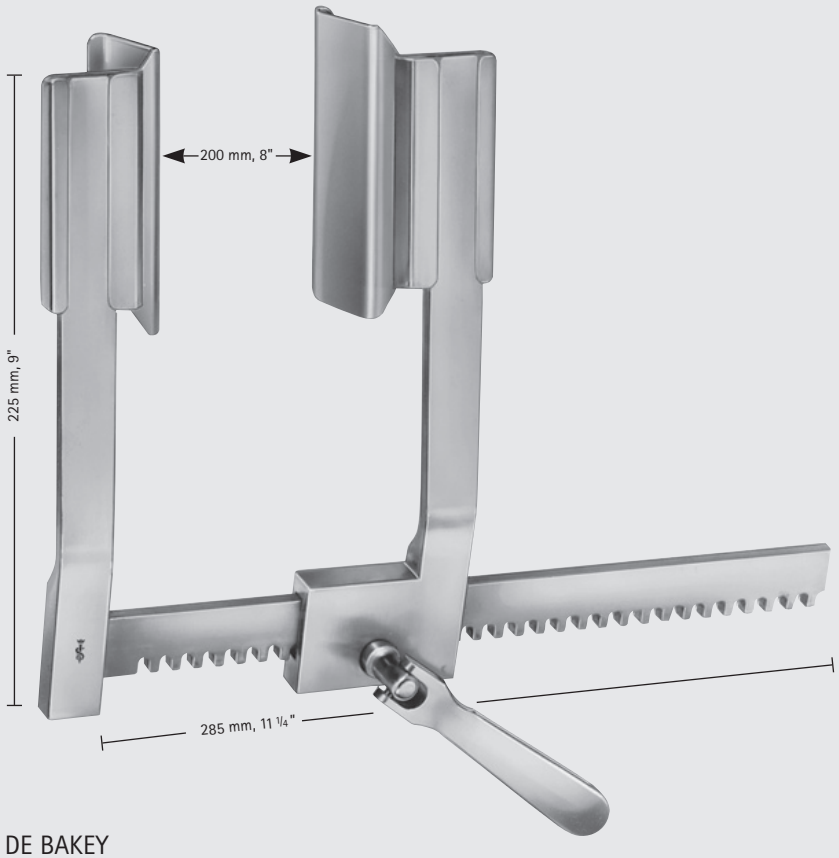
FB817R 50 x 80 mm
Blades
Blätter

1/1

FB818R 40 x 100 mm
Blades
Blätter

1/1

FB819R 80 x 60 mm
Blades
Blätter

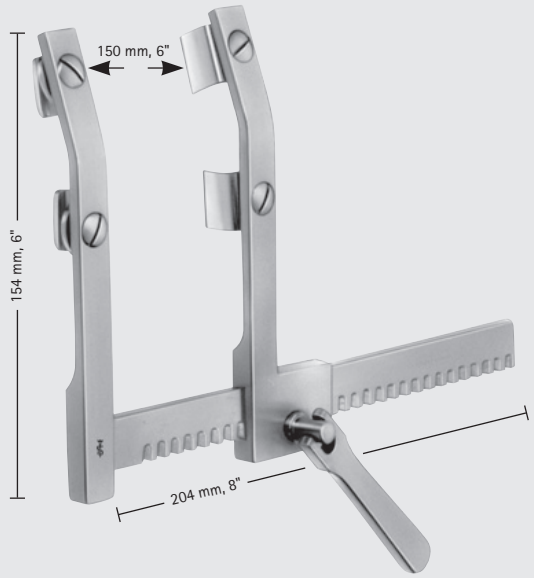


DE BAKEY

FB814R

Spreader complete,
consisting of:
FB815R Spreader only
FB816R Blades (pair)
FB817R Blades (pair)
FB818R Blades (pair)

Rippensperrer komplett,
bestehend aus:
FB815R Sperrer allein
FB816R Blätter (Paar)
FB817R Blätter (Paar)
FB818R Blätter (Paar)

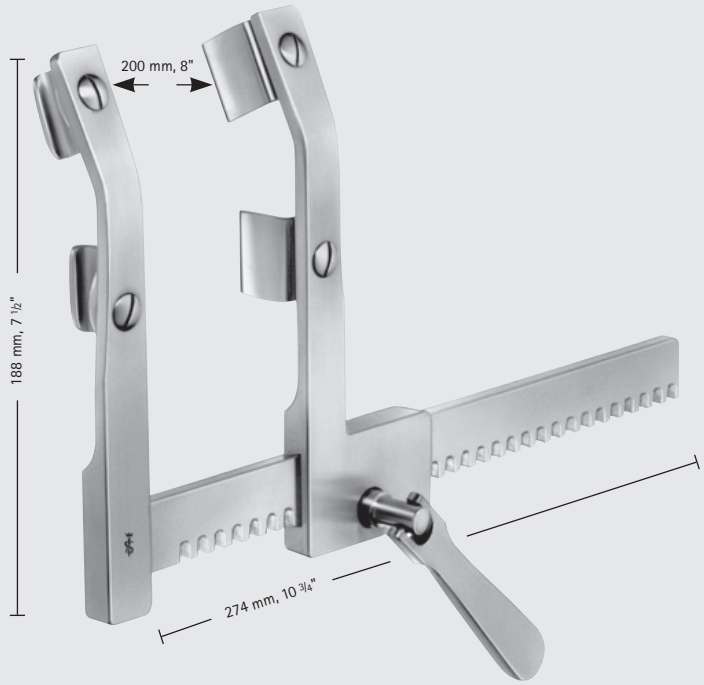


MORSE

FB845R

for children
with movable double blades
each blade 12 x 20 mm

für Kinder
mit beweglichen Doppelblättern
Blätter jeweils 12 x 20 mm

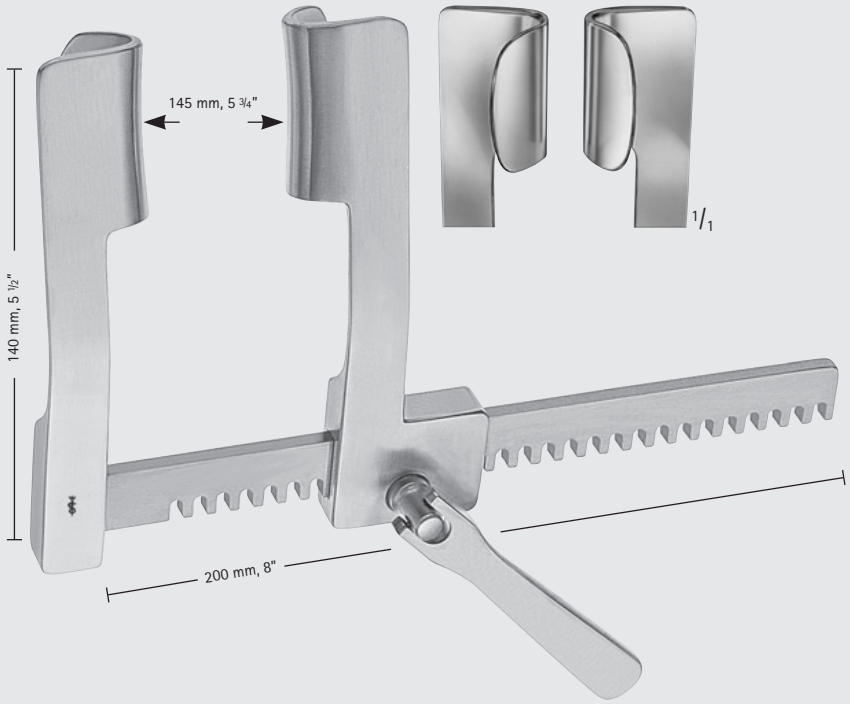


MORSE

FB846R

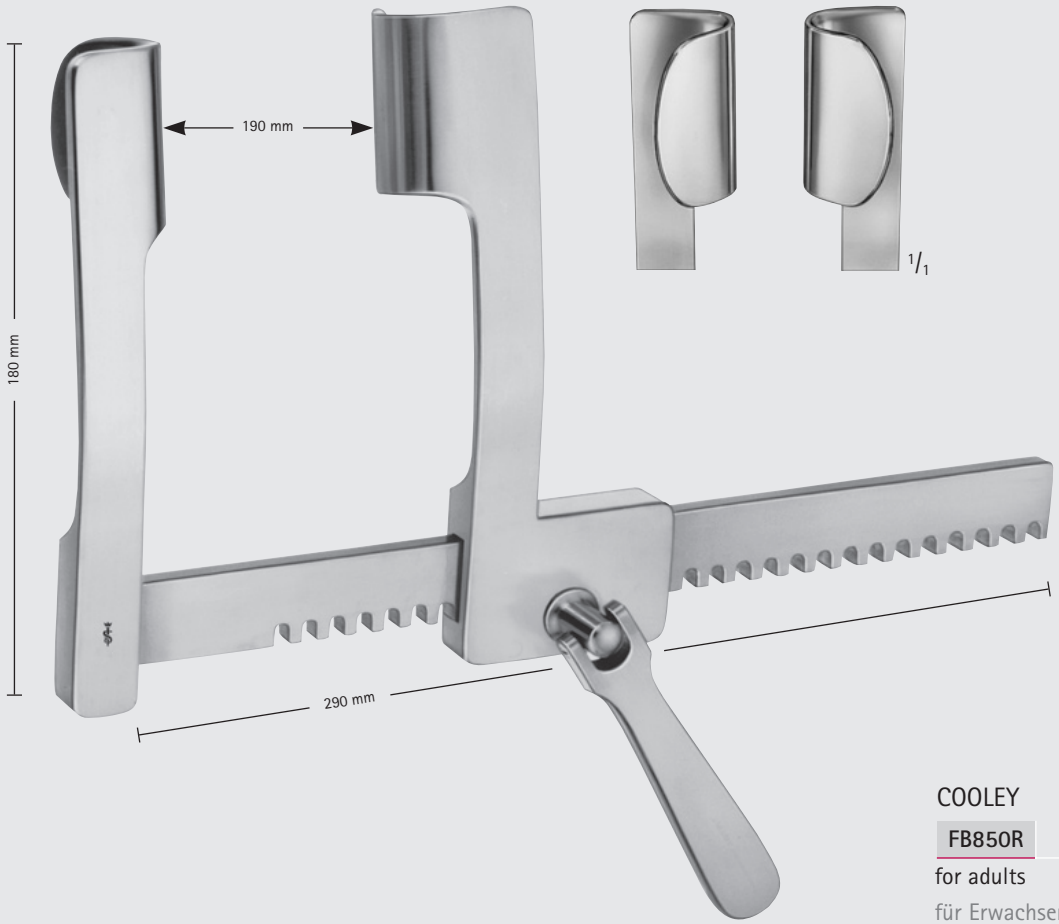
for adults
with movable double blades
each blade 19 x 29 mm

für Erwachsene
mit beweglichen Doppelblättern
Blätter jeweils 19 x 29 mm



	Blades
COOLEY	Blätter
FB851R	21 x 45 mm

for children
für Kinder



	Blades
COOLEY	Blätter
FB850R	32 x 50 mm

for adults
für Erwachsene

Sales unit of blades:
PAA = pair
Bestelleinheit der Blätter:
PAA = Paar

FB823R 75 x 75 mm
Blades
Blätter

FB822R 42 x 65 mm
Blades
Blätter

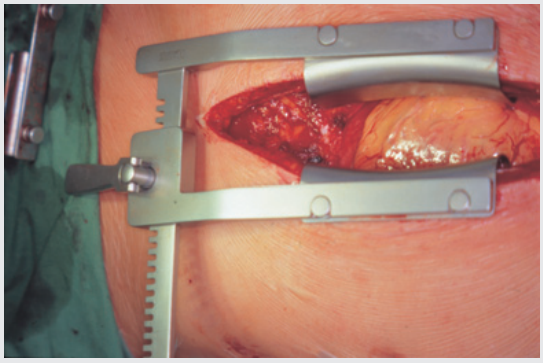
FB820R

Thoracic retractor (Mercedes-Retractor) complete, consisting of:
FB821R Retractor only
FB822R Blades (pair)
FB823R Blades (pair)

Thoraxsperrer (Mercedes-Sperrer) komplett, bestehend aus:
FB821R Sperrer allein
FB822R Blätter (Paar)
FB823R Blätter (Paar)

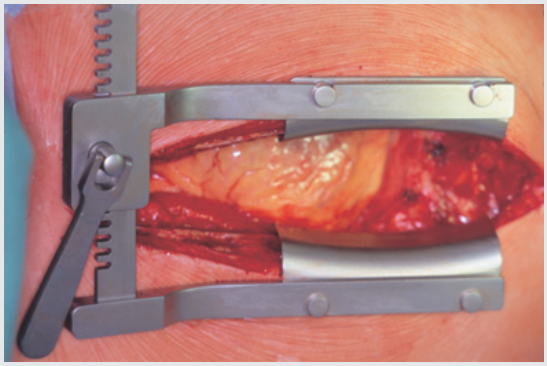
The spreader can be used optionally in cranial (picture 2, 2a) or caudal (picture 1, 1a) position. As the retractor is used in cranial position the bend up arms show away from the patient in order to protect the neck from pressure.

Der Sperrer kann optional nach kranial (Bild 2, 2a) und kaudal (Bild 1, 1a) eingesetzt werden, wobei beim Einsatz nach kranial die Aufbiegung der Arme nach oben, vom Patienten weg zeigt, um Druck auf den Hals zu vermeiden.



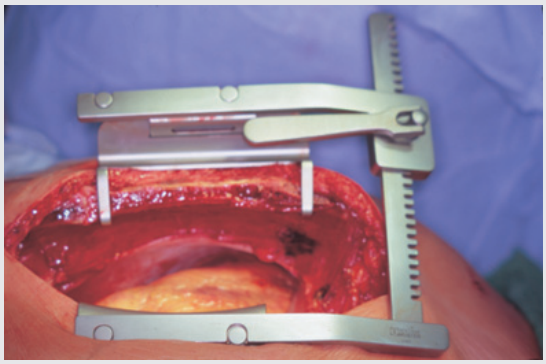
1

Used as sternum retractor (picture 1, 2)



2

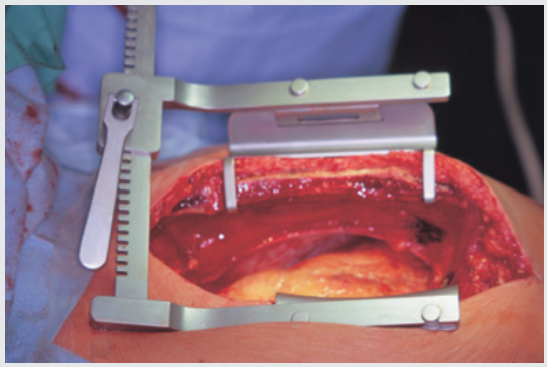
Einsatz als Sternumsperrer (Bild 1, 2)



1a

Used for preparation of the arteria mammaria interna (picture 1a, 2a).

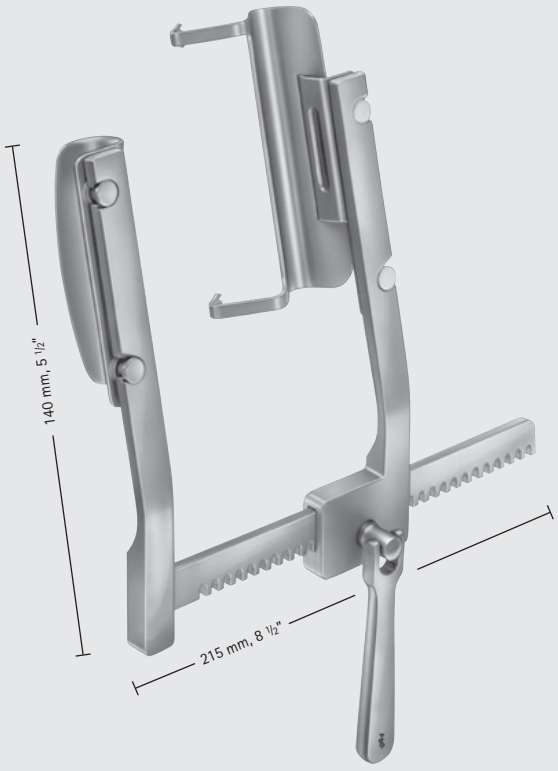
The side of the sternum, where the arteria mammaria interna shall be dissected is lifted up automatically due to the spreading effect of the retractor. The result is an easier preparation of the arteria mammaria interna.



2a

Einsatz zur Darstellung der Arteria mammaria interna (Bild 1a, 2a).

Die Seite des Sternums, auf der die Arteria mammaria interna präpariert werden soll, wird durch die Spreizwirkung des Sperrers automatisch angehoben. Das Ergebnis ist eine einfachere Präparation der Arteria mammaria interna.



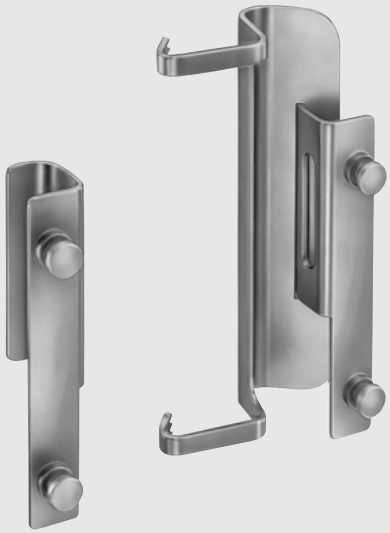
FC060R

Mammaria spreader complete, consisting of:

FC061R Retractor only
FC062R Mammaria blade complete with holding blades left and right
FC063R Sternum blades (pair)
FC064R Sternum blades (pair)

Mammaria Sperrer komplett, bestehend aus:

FC061R Sperrer allein
FC062R Mammariablatt, komplett mit Aufnahmeblatt links und rechts
FC063R Sternumblätter (Paar)
FC064R Sternumblätter (Paar)



FC062R

Mammaria blade, complete

Mammariablatt, komplett

$^1/_2$

FC063R 30 x 100 mm

Sternum blades

Sternumblätter

$^1/_2$

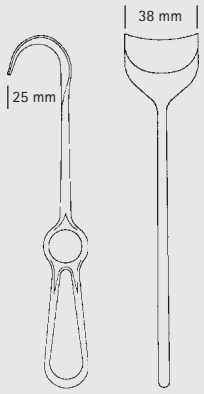
FC064R 40 x 100 mm

Sternum blades

Sternumblätter

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



Vario retractor system with integrated cold light, for additional intensive illumination of deep and complicated operation fields.

- **To be used with Aesculap light source,** see page 276 - 279

Vario-Wundhaken-System mit integriertem Kaltlicht, zur zusätzlichen, intensiven Ausleuchtung des Operationsfeldes, speziell bei komplizierten, in die Tiefe gehenden Eingriffen.

- **Zu verwenden mit Aesculap Lichtquelle,** siehe Seite 276 - 279

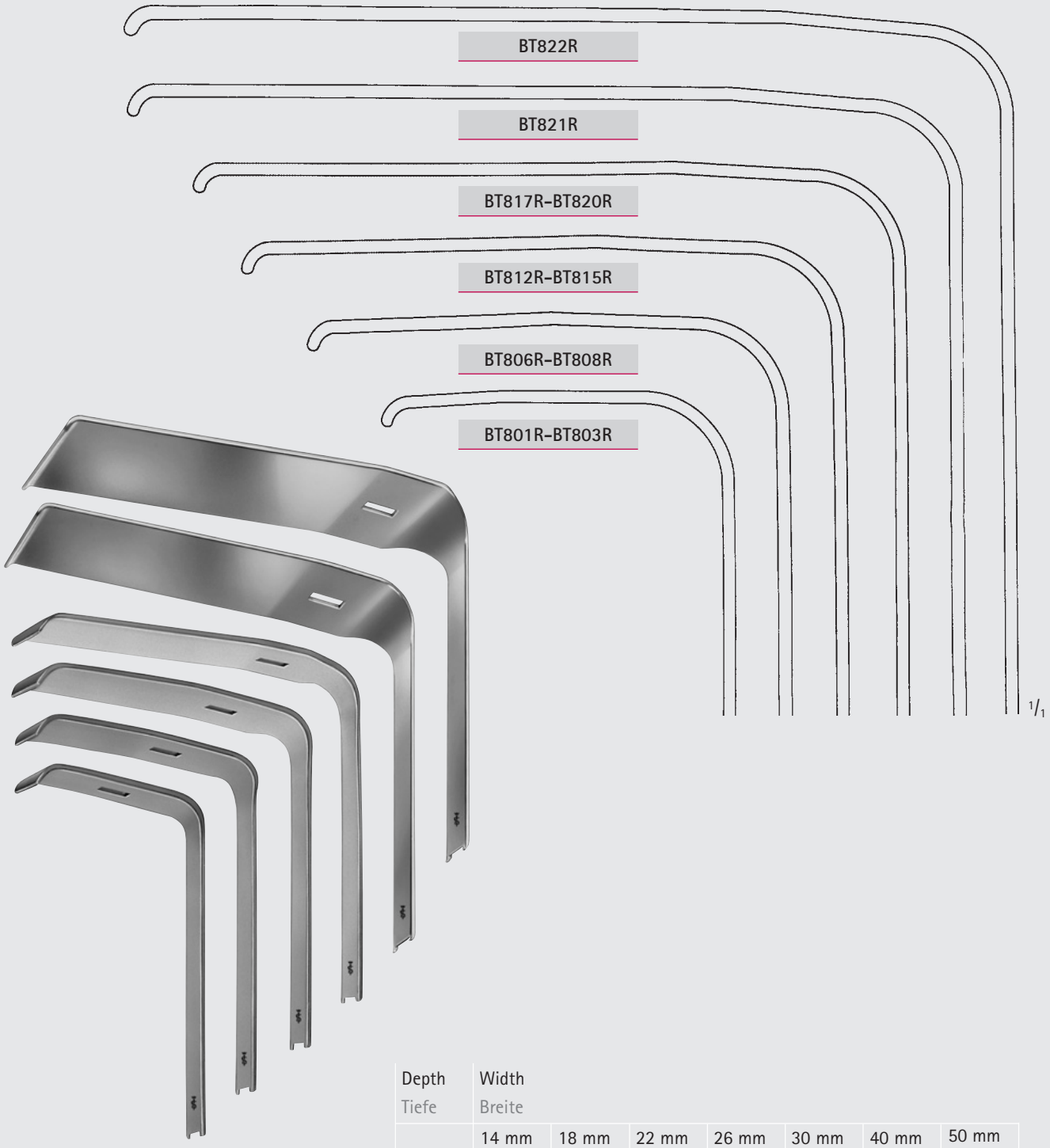
Handle arrangement variable
Griffstellung variabel

BT800R

Handle with cold light carrier for retractor blades
Handgriff mit Kaltlichtleiter, zur Aufnahme von Wundhakenblätter
280 mm, 11"

BT799R

Handle with cold light carrier for retractor blades
Handgriff mit Kaltlichtleiter, zur Aufnahme von Wundhakenblättern
180 mm, 7"



Vario retractor system
Vario-Wundhaken-System

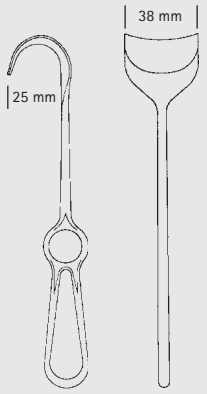
BT801R–BT822R

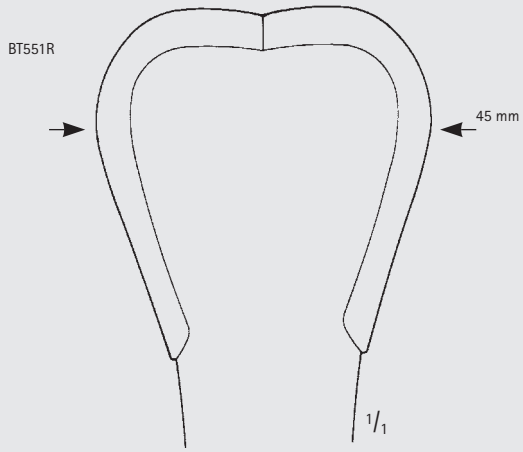
Retractor blades for handles BT799R and BT800R
Wundhakenblätter
passend auf die Handgriffe BT799R und BT800R

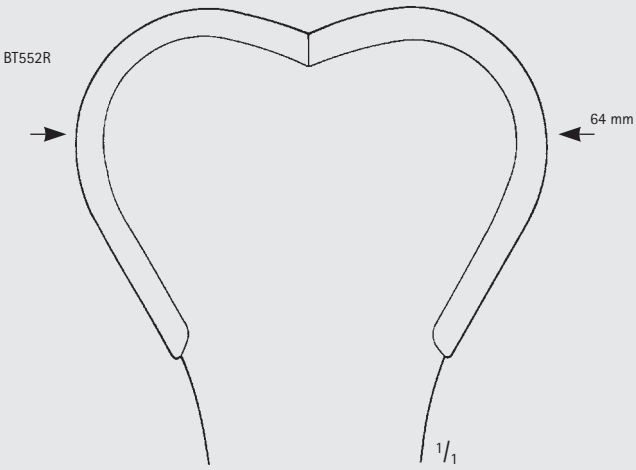
Depth / Tiefe	Width / Breite						
	14 mm	18 mm	22 mm	26 mm	30 mm	40 mm	50 mm
55 mm	BT801R	BT802R	BT803R				
75 mm	BT806R	BT807R	BT808R				
95 mm		BT812R	BT813R	BT814R	BT815R		
115 mm		BT817R	BT818R	BT819R	BT820R		
135 mm						BT821R	
145 mm							BT822R

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



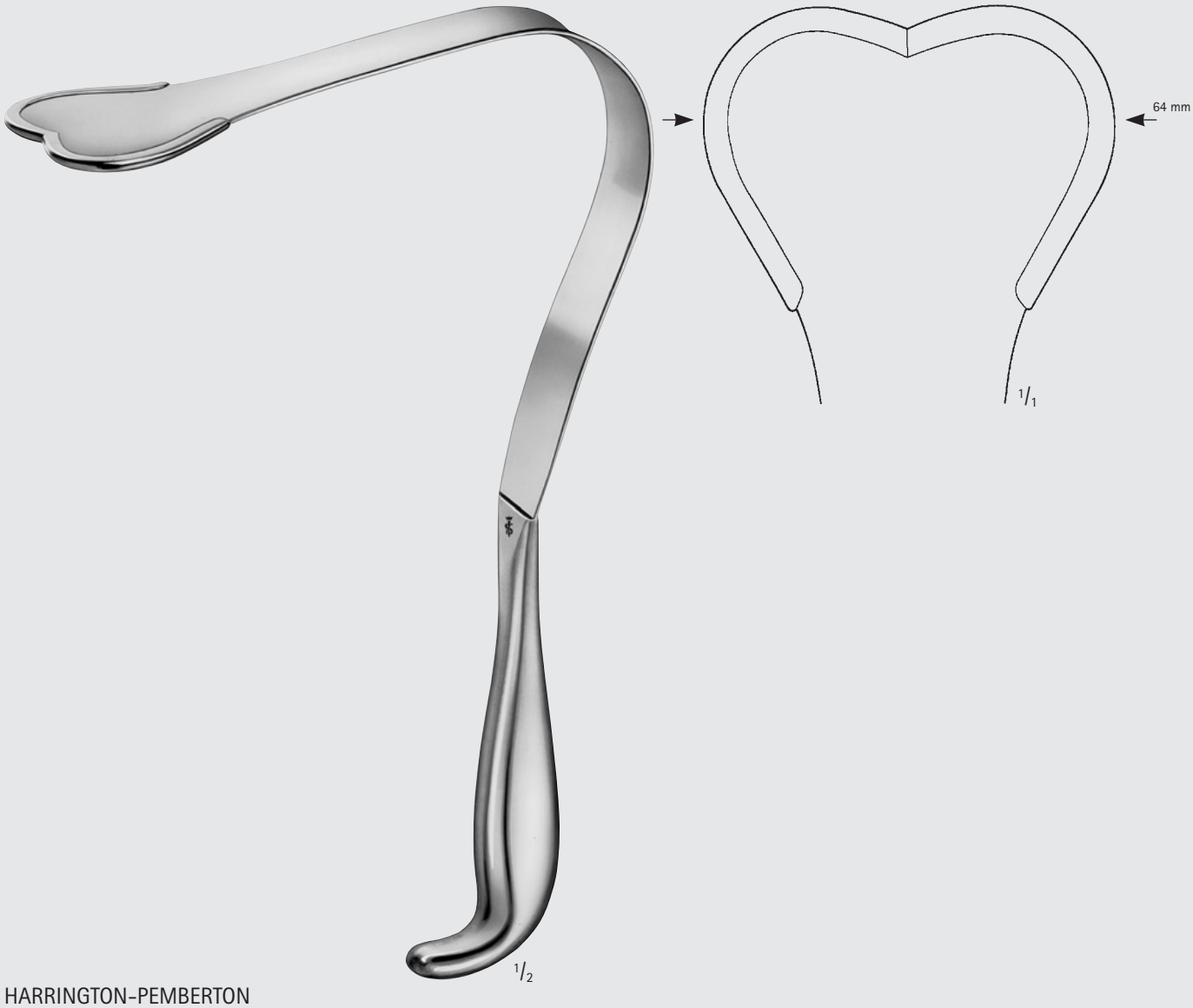




HARRINGTON

BT551R	123 x 45 mm
BT552R	123 x 64 mm

flexible
federnd
295 mm, 11 3/4"



HARRINGTON-PEMBERTON

BT553R 175 x 64 mm

flexible

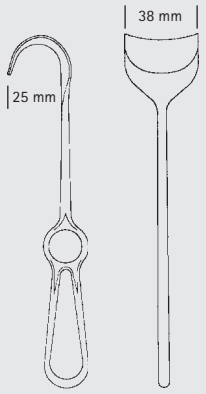
federnd

295 mm, 11 3/4"

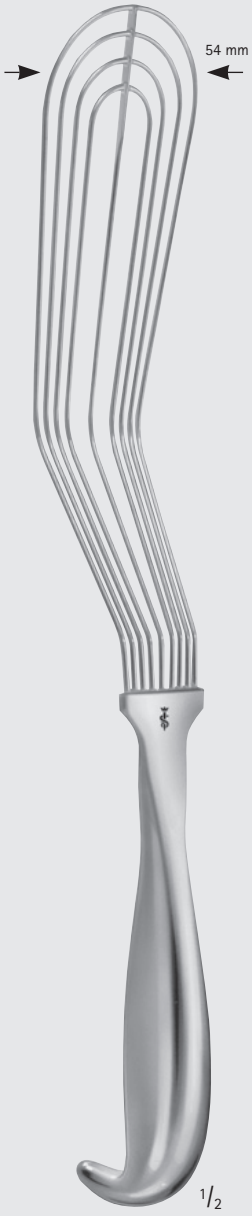
Special Retractors
Spezialhaken

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

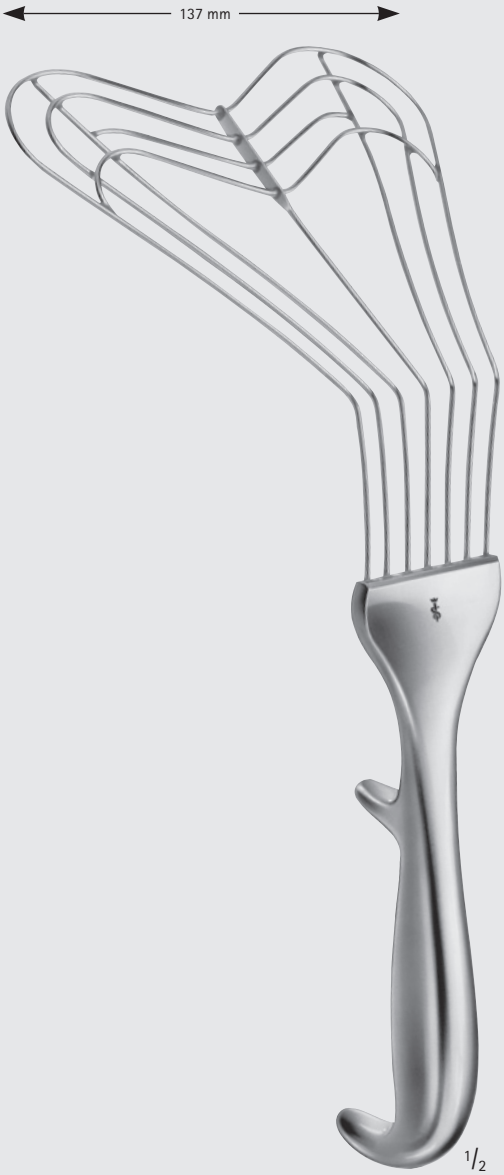
Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



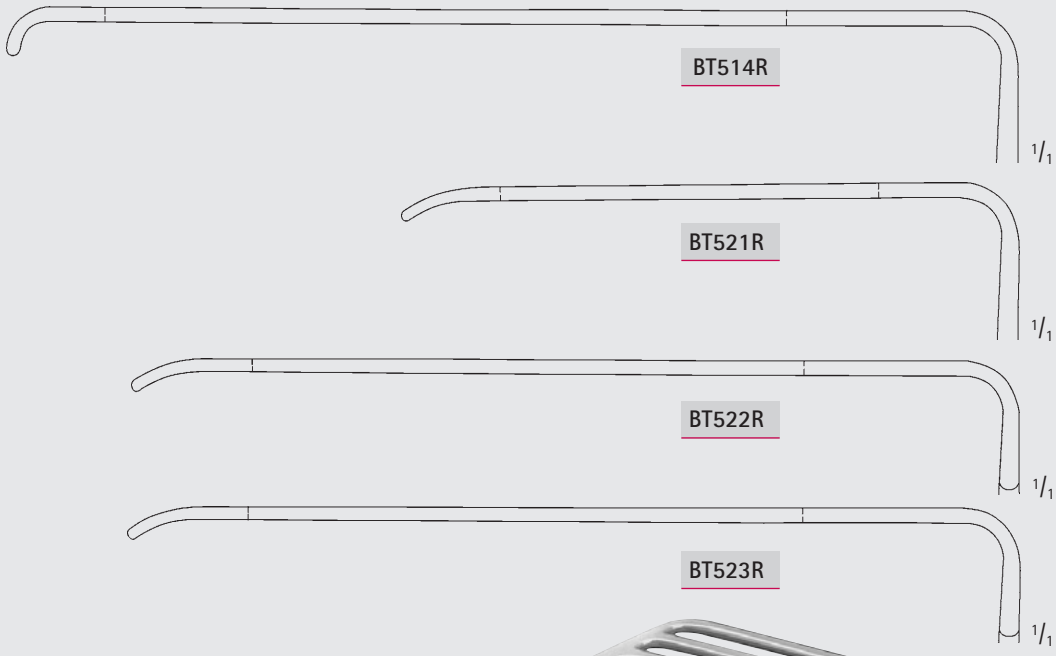
ALLISON
BT559R
255 mm, 10"



ALLISON
BT560R
320 mm, 12 3/4"



ALLISON
BT561R
300 mm, 12"



SAUERBRUCH

BT514R

260 mm, 10 1/4"

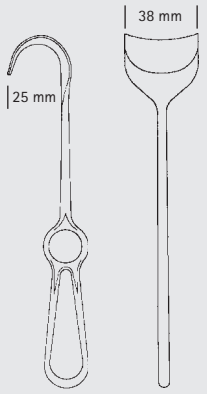
CORYLLOS

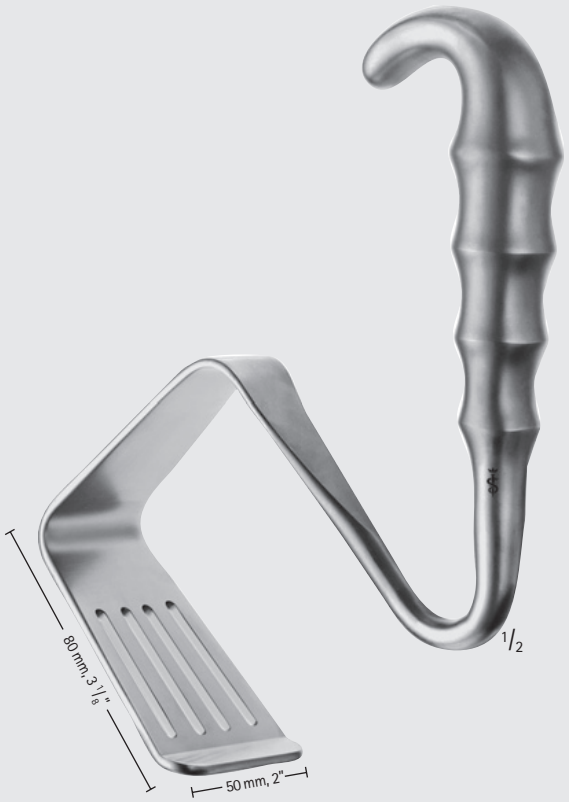
BT521R–BT523R

255 mm, 10"

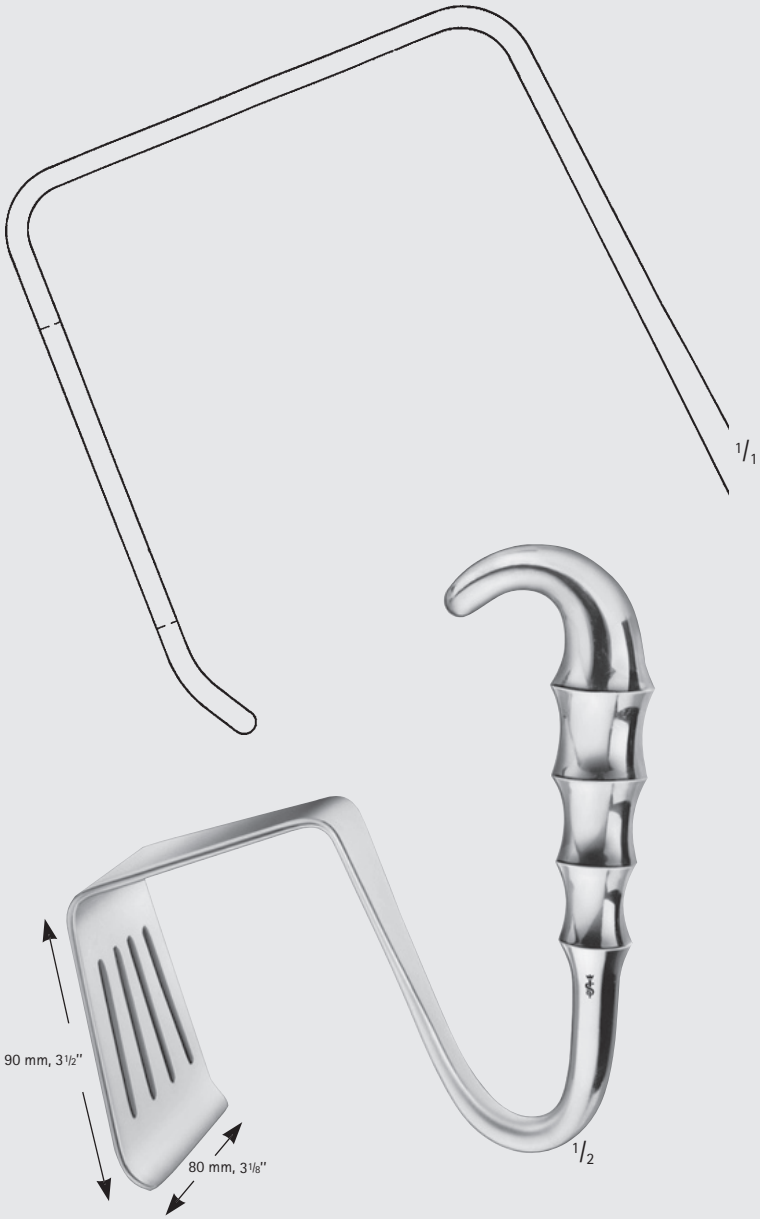
Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite





DAVIDSON
MB758R
195 mm, 7 3/4"



DAVIDSON
BT531R
195 mm, 7 3/4"

ZENKER
BT594R
240 mm, 9 1/2"

ZENKER
BT595R
255 mm, 10"

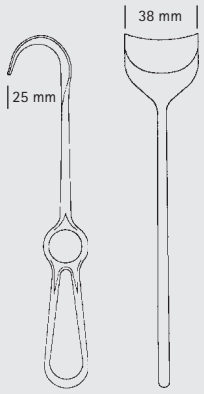
ZENKER
BT596R
270 mm, 10 3/4"

ZENKER
BT597R
290 mm, 11 1/2"

MILLIMETERS

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



MD076
10 mm
160 mm
6 1/4"

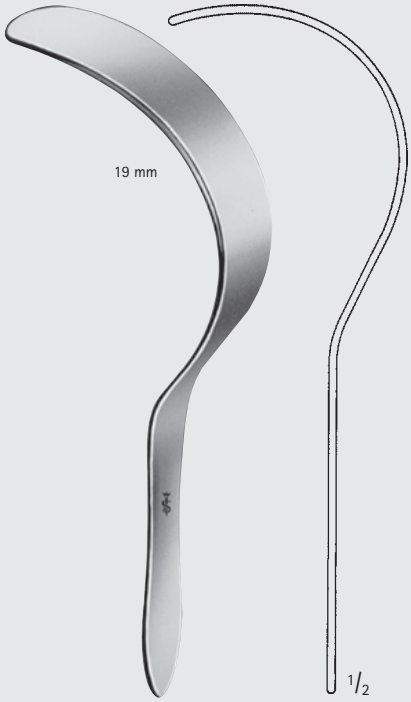
MD077
13 mm
180 mm
7"

HASSON

MD076-MD077

Set, consisting of:
2 retractors

Set, bestehend aus
2 Wundhaken



DEAVER

BT600R

Fig. 000

180 mm, 7"

DEAVER

BT601R

Fig. 00

215 mm, 8 1/2"

DEAVER

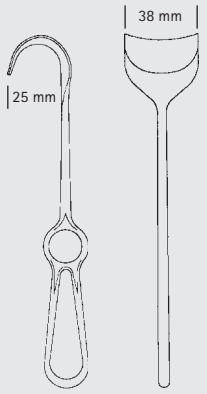
BT606R

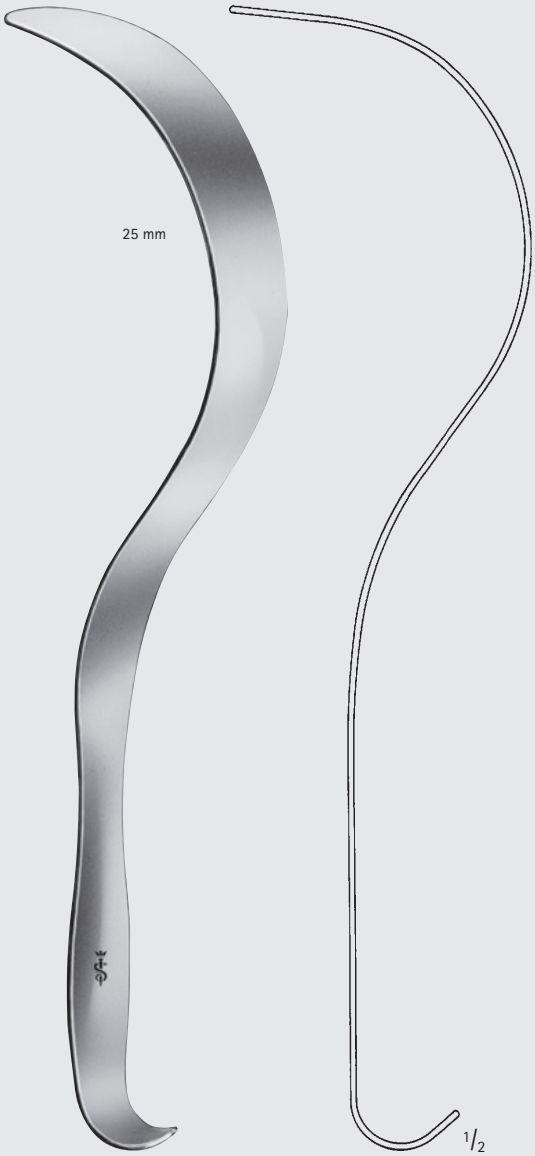
Fig. 0

235 mm, 9 1/4"

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite





DEAVER

BT602R

Fig. 1
300 mm, 12"

DEAVER

BT603R

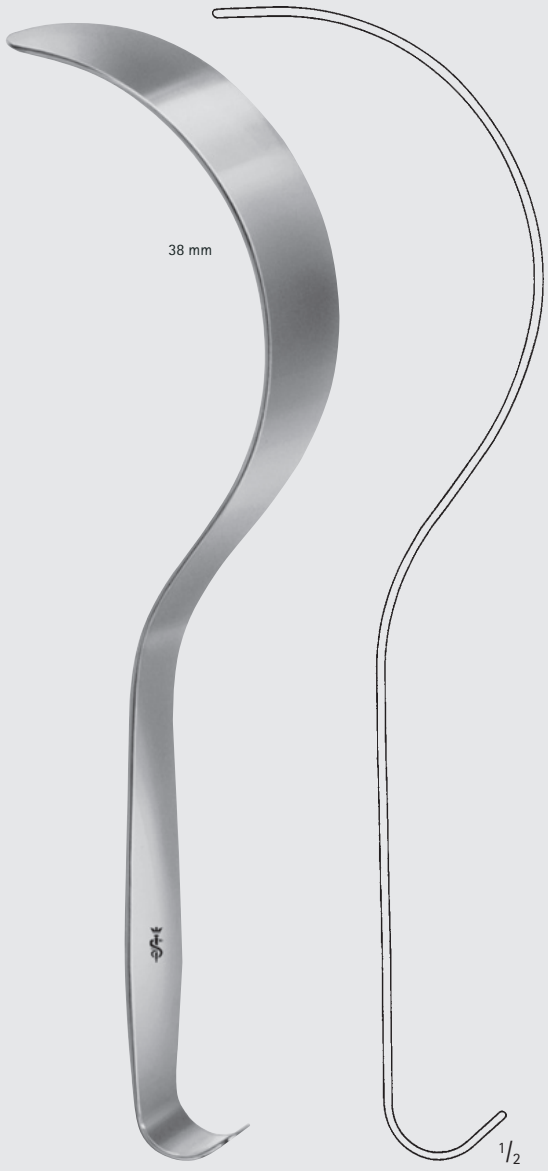
Fig. 2
315 mm, 12 1/2"

DEAVER

BT607R

Fig. 2 1/2

365 mm, 14 1/2"



DEAVER

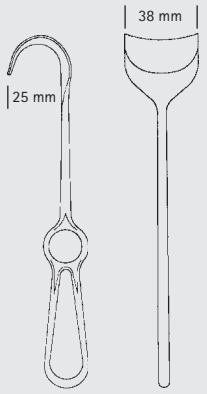
BT604R

Fig. 3

300 mm, 12"

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

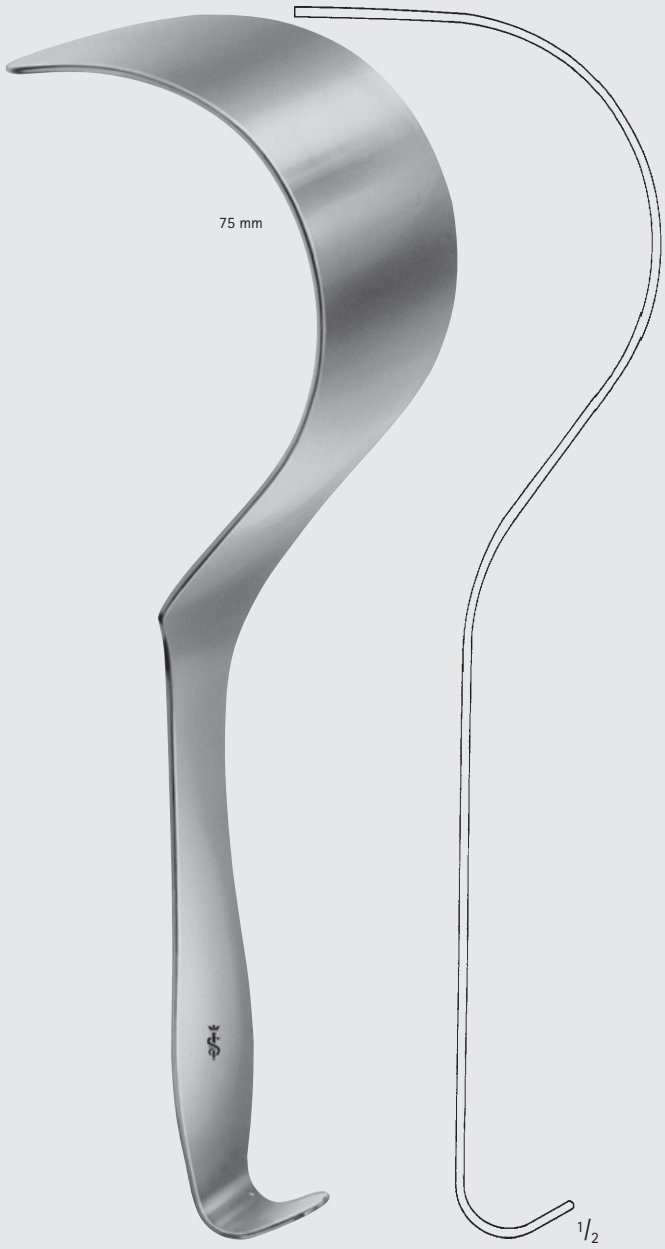
Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



DEAVER

BT605R

Fig. 4
310 mm, 12 1/4"



DEAVER

BT608R

Fig. 5
320 mm, 12 3/4"

DEAVER

BT611R

Fig. 1

310 mm, 12 1/4"

DEAVER

BT613R

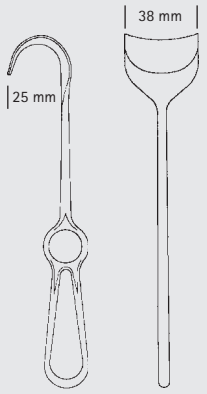
Fig. 3

310 mm, 12 1/4"

MILLIMETERS

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



DEAVER

BT614R

Fig. 4

305 mm, 12"

DEAVER

BT615R

Fig. 5

310 mm, 12 1/4"

LERICHE

BT730R

255 mm, 10"

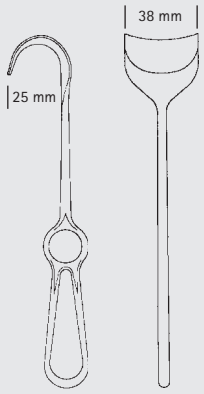
LERICHE

BT732R

275 mm, 10 3/4"

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



ROSS

MB047R-MB703R

Aortic hooks
Aortahaken
255 mm, 10"

MB047R
Fig. 1

MB048R
Fig. 2

MB700R
Fig. 3

MB701R
Fig. 4

MB702R
Fig. 5

MB703R
Fig. 6

BOROWSKI

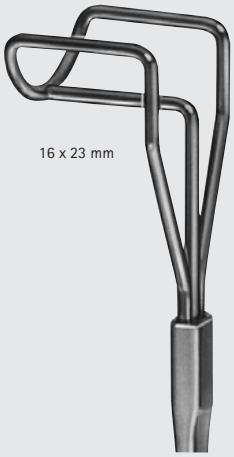
FB971R–FB976R

Shaft malleable

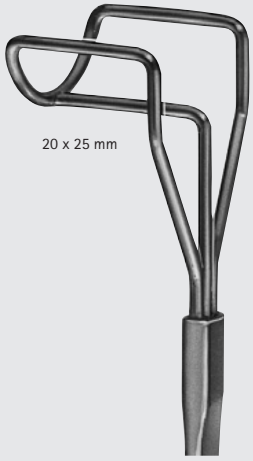
Schaft biegsam

270 mm, 10 3/4"

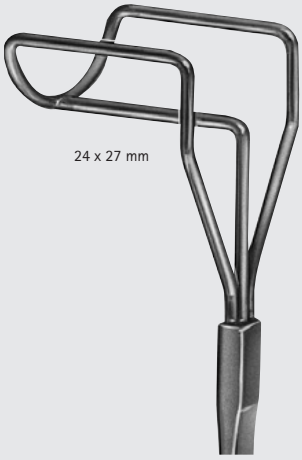
FB971R



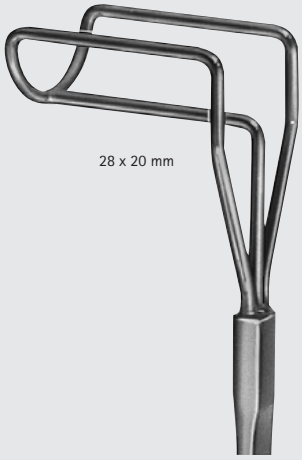
FB972R



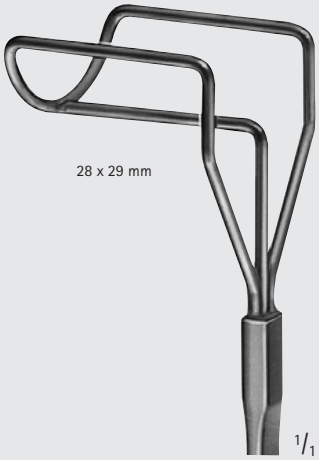
FB973R



FB974R



FB975R

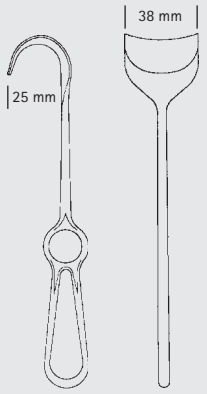


FB976R

Aorta, Valve and Atrium Retractors
Aorta-, Klappen- und Atriumhaken

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



$^{1}/_{2}$

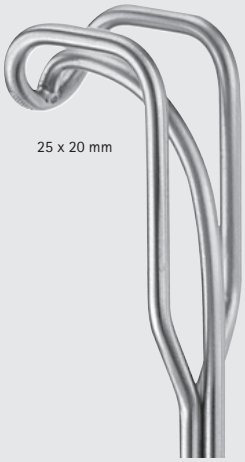
COOLEY

FB923R–FB927R

left

links

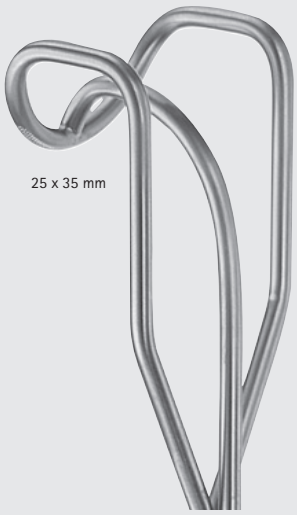
245 mm, 9 $^{3}/_{4}$"



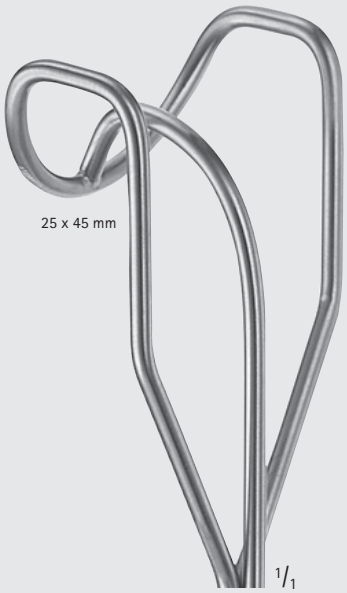
FB923R

FB924R

FB925R

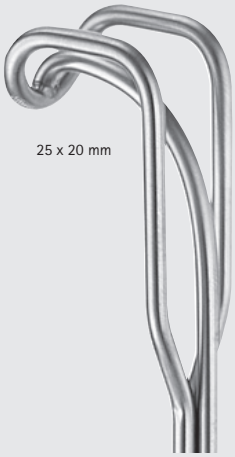


FB926R

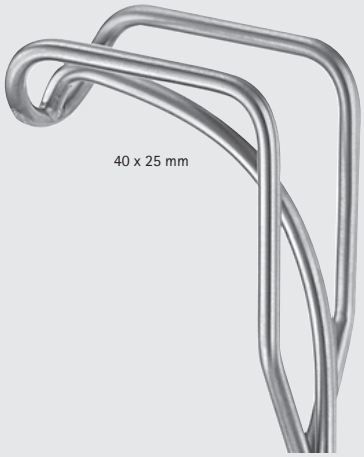


$^{1}/_{1}$

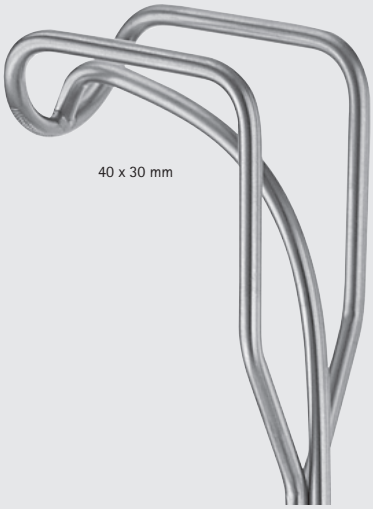
FB927R



FB963R



FB964R



FB965R

FB966R

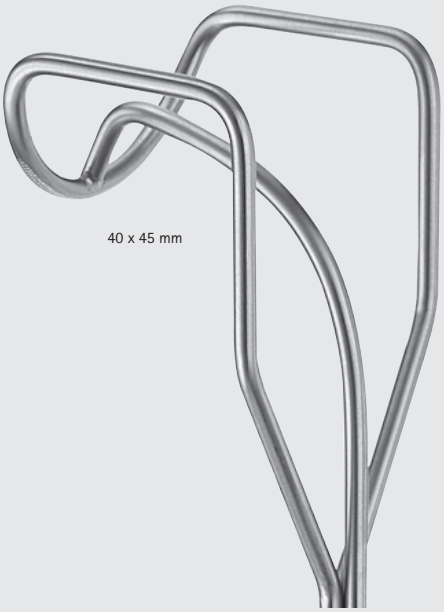
COOLEY

FB963R–FB968R

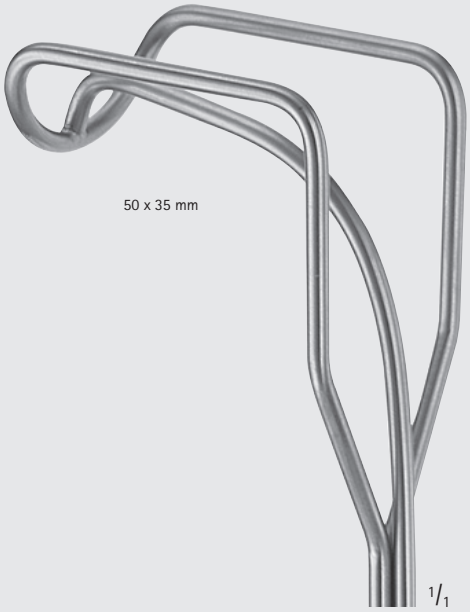
right

rechts

235 mm, 9 1/4"



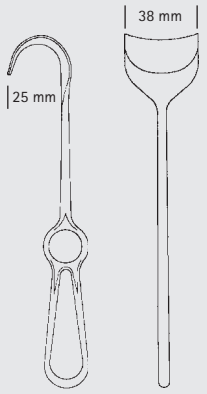
FB967R



FB968R

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



COOLEY
FB860R
right
rechts
270 mm, 10 3/4"

COOLEY
FB861R
right, slightly serrated
rechts, leicht gezahnt
270 mm, 10 3/4"

COOLEY
FB862R
left
links
280 mm, 11"

45 x 30 mm

1/2

COOLEY MODIF. STRUCK

FB865R

slightly serrated

leicht gezahnt

265 mm, 10 1/2"

45 x 35 mm

1/2

COOLEY MODIF. STRUCK

FB866R

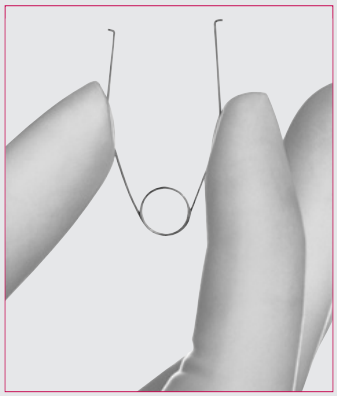
slightly serrated

leicht gezahnt

265 mm, 10 1/2"

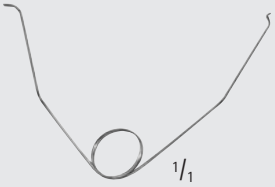
MILLIMETERS

Self-Retaining Retractors, Small
Wundspreizer, klein



Extremely small coronary retractor
- No handle, therefore:
  - Occupies a minimal amount of space
  - No risk of suture getting cought
- Indications:
  - Coronary surgery in cases of minimized access
  - Standard coronary surgery

Extrem kleiner Fettspreizer
- Keine Griffe, dadurch:
  - Extrem geringer Platzbedarf
  - Kein Risiko des Verfangens von Nahtmaterial
- Indikationen:
  - Koronarchirurgie bei minimiertem Zugang
  - Standard Koronarchirurgie



BV009R
Coronary retractor
Koronar Fettspreizer

BV006R
45 mm, 1 3/4"

BV007R
55 mm, 2 1/8"

I.M.A. Epicardial retractors
for Coronary Artery Bypass Grafting

I.M.A. Epikard-Retraktor
für die Koronararterien-Bypass-Chirurgie

Mini

BV021R
25 mm, 1"

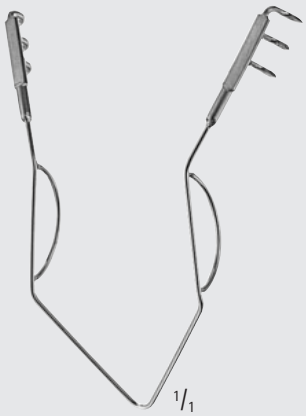
Small

BV022R
32 mm, 1 1/4"

Medium

BV023R
40 mm, 1 1/2"

Large



BV024R
52 mm, 2"

PARSONNET

BV014R
sharp
scharf
50 mm, 2"

BV010R	BV011R
70 mm	100 mm
2 3/4"	4"

ALM

BV010R-BV011R

ALLPORT

BV028R

95 mm, 3 3/4"

JANSEN

BV030R

100 mm, 4"

JANSEN

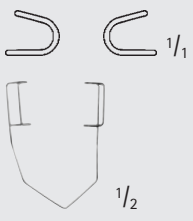
BV032R

100 mm, 4"

JANSEN

BV033R

100 mm, 4"



BARRAQUER

OA200R

45 mm, 1 3/4"

- Retractor system for optimal approach to the arteria iliaca communis.
- The retractor blades are made out of titanium and therefore they are radiotransparent.
- The big medial retractor blade can be gradually adjusted during the operation.
- Because of the blades which are easy to exchange the retractor system can be used for the left and the right side.
- Sperrersystem zur idealen Darstellung der Arteria iliaca communis.
- Die Retraktorblätter sind aus Titan gefertigt und sind dadurch röntgentransparent.
- Das große mediale Retraktorblatt kann intraoperativ stufenweise verstellt werden.
- Das Sperrersystem kann aufgrund der einfachen Auswechselbarkeit der Valven links- sowie rechtsseitig eingesetzt werden.

BV712T
30 x 30 mm

BV713T
90 x 60 mm

1/3

BV709R
Forceps for changing the blades
Pinzette zum Valvenwechsel
130 mm, 5 1/8"

ALLENBERG

BV710R
Iliac retractor complete, consisting of:
BV711R Retractor only
BV712T Retractor blade lateral
BV713T Retractor blade medial

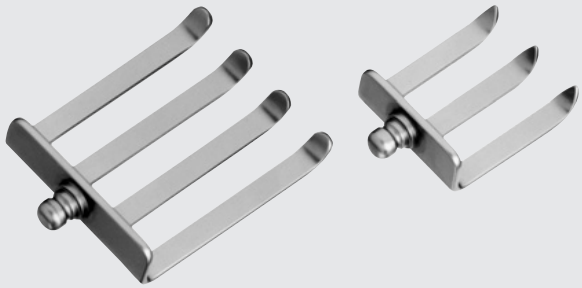
Iliaca-Sperrer komplett, bestehend aus:
BV711R Sperrer allein
BV712T Retraktorblatt lateral
BV713T Retraktorblatt medial

ALLENBERG

BV097R

Carotid retractor complete,
consisting of:
BV098R Retractor only, blunt, 170 mm, 6 3/4"
BV099R Center blade only, 120 mm, 4 3/4"

Carotis-Sperrer komplett,
bestehend aus:
BV098R Sperrer allein, stumpf, 170 mm, 6 3/4"
BV099R Mittelblatt allein, 120 mm, 4 3/4"



BV349R

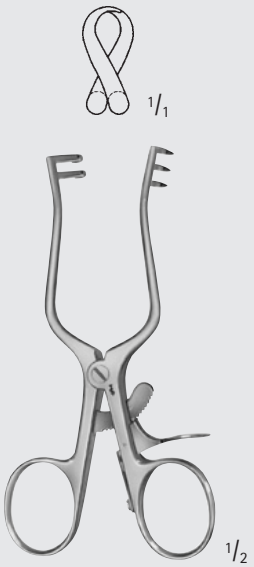
Poplitea retractor, complete
consisting of:
BV327R Retractor only
BV348R Blades (pair)

Poplitea-Sperrer, komplett
bestehend aus:
BV327R Sperrer allein
BV348R Blätter (Paar)

BV348R

Blades (pair), only
consisting of:
Blade, blunt, 60 x 50 mm
Blade, semi-sharp, 40 x 35 mm

Blätter (Paar), allein
bestehend aus:
Blatt, stumpf, 60 x 50 mm
Blatt, halbscharf, 40 x 35 mm



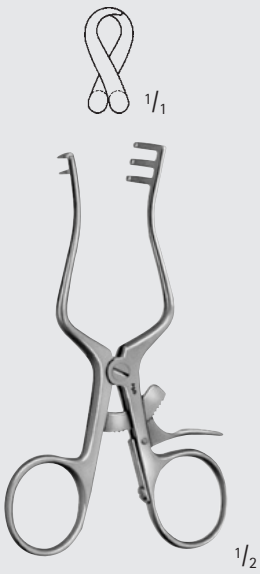
WEITLANER

BV070R

sharp

scharf

110 mm, 4 3/8"



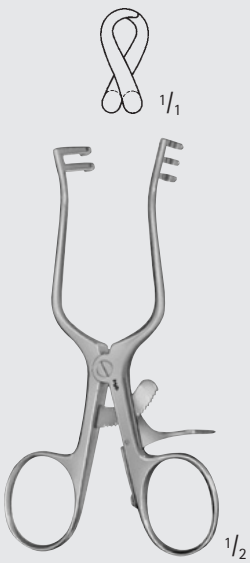
WEITLANER

BV066R

semi-sharp

halbscharf

110 mm, 4 3/8"



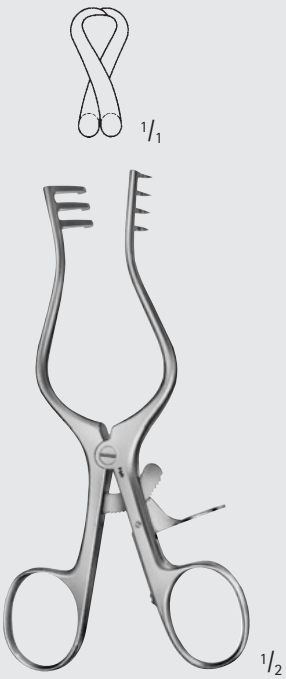
WEITLANER

BV073R

blunt

stumpf

110 mm, 4 3/8"



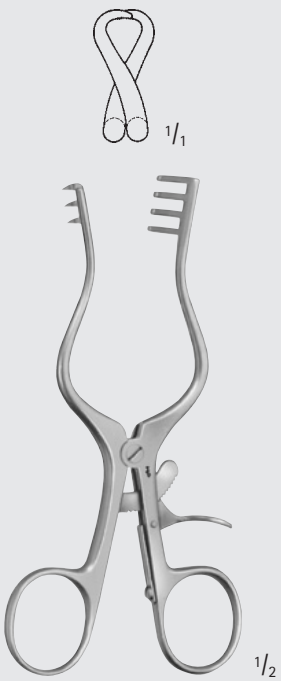
WEITLANER

BV071R

sharp

scharf

130 mm, 5 1/8"



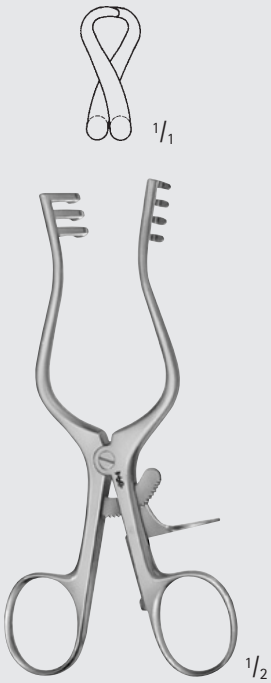
WEITLANER

BV067R

semi-sharp

halbscharf

130 mm, 5 1/8"



WEITLANER

BV074R

blunt

stumpf

130 mm, 5 1/8"

WEITLANER

BV101R

sharp

scharf

130 mm, 5 1/8"

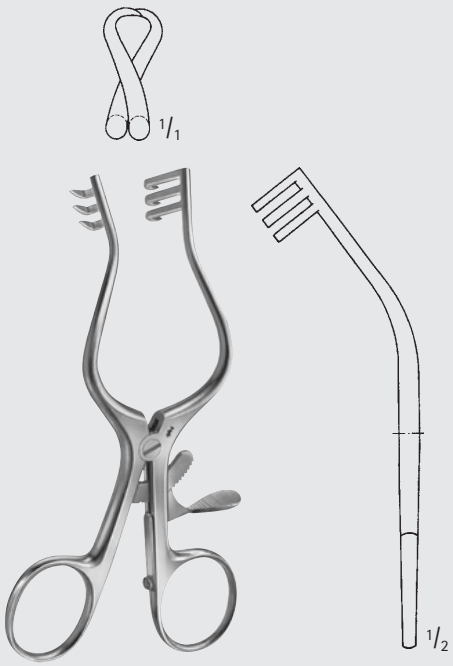
WEITLANER

BV104R

blunt

stumpf

130 mm, 5 1/8"



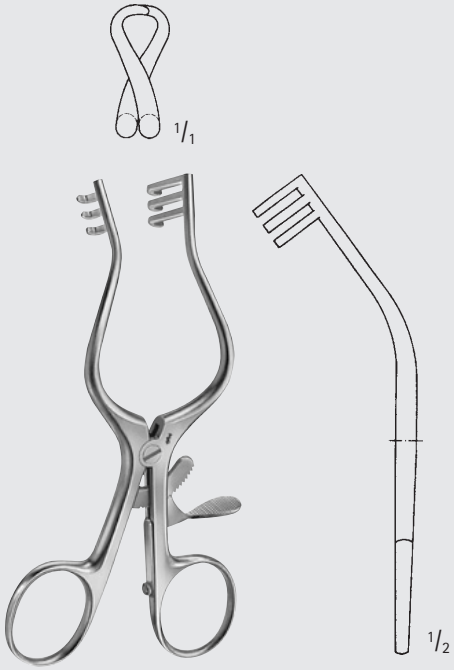
WULLSTEIN

BV076R

sharp

scharf

130 mm, 5 1/8"



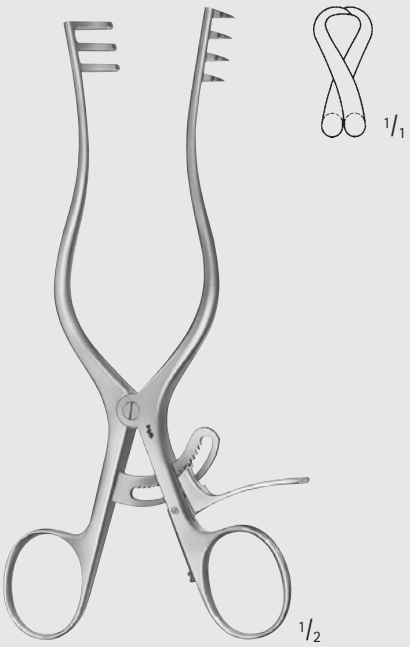
WULLSTEIN

BV077R

blunt

stumpf

130 mm, 5 1/8"



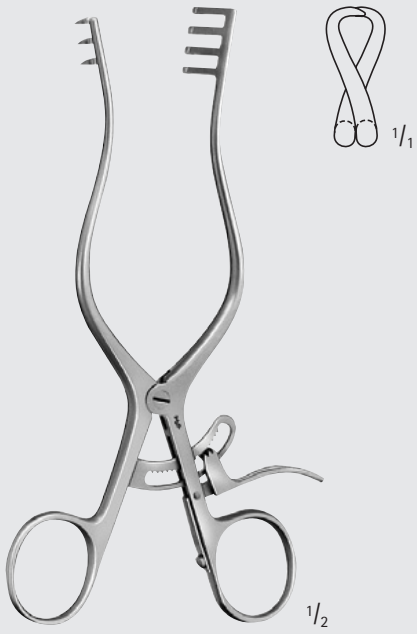
WEITLANER

BV072R

sharp

scharf

165 mm, 6 1/2"



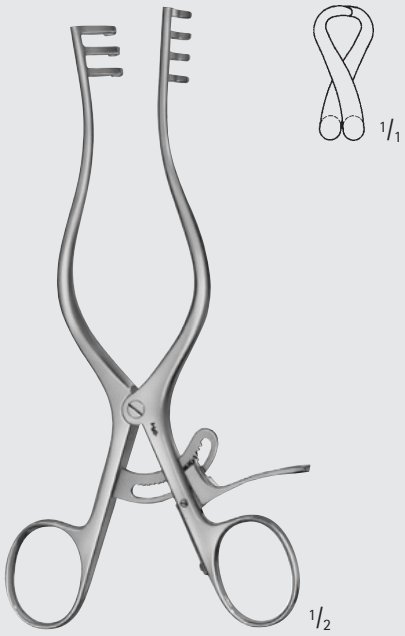
WEITLANER

BV068R

semi-sharp

halbscharf

165 mm, 6 1/2"



WEITLANER

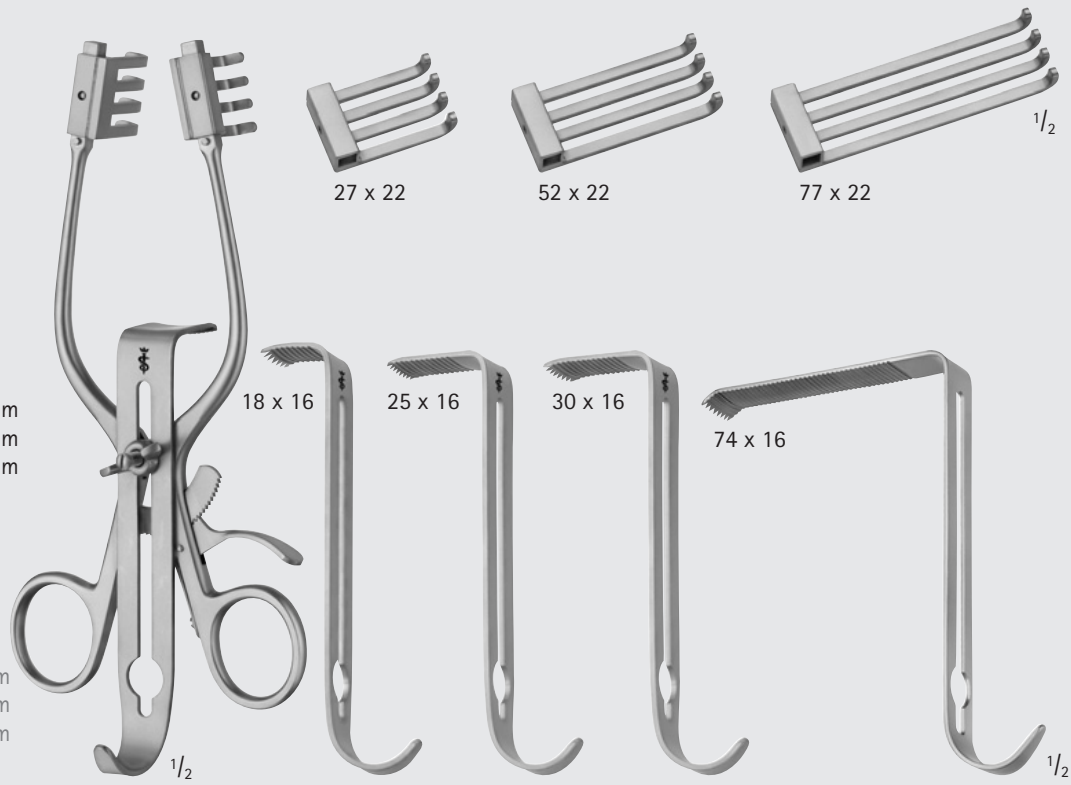
BV075R

blunt

stumpf

165 mm, 6 1/2"

Self-Retaining Retractors, Large
Wundspreizer, groß



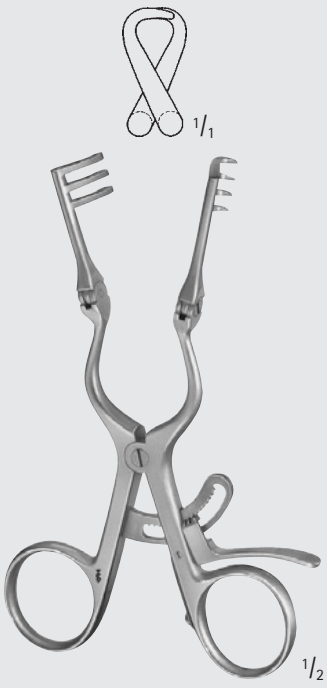
HENLY

BV120R

Retractor set complete,
consisting of:
Center blade 18 x 16 mm
Center blade 25 x 16 mm
Center blade 30 x 16 mm
Center blade 74 x 16 mm
Lateral blades (pair) 27 x 22 mm
Lateral blades (pair) 52 x 22 mm
Lateral blades (pair) 77 x 22 mm

Wundspreizer-Set komplett,
bestehend aus:
Mittelblatt 18 x 16 mm
Mittelblatt 25 x 16 mm
Mittelblatt 30 x 16 mm
Mittelblatt 74 x 16 mm
Seitl. Blätter (Paar) 27 x 22 mm
Seitl. Blätter (Paar) 52 x 22 mm
Seitl. Blätter (Paar) 77 x 22 mm

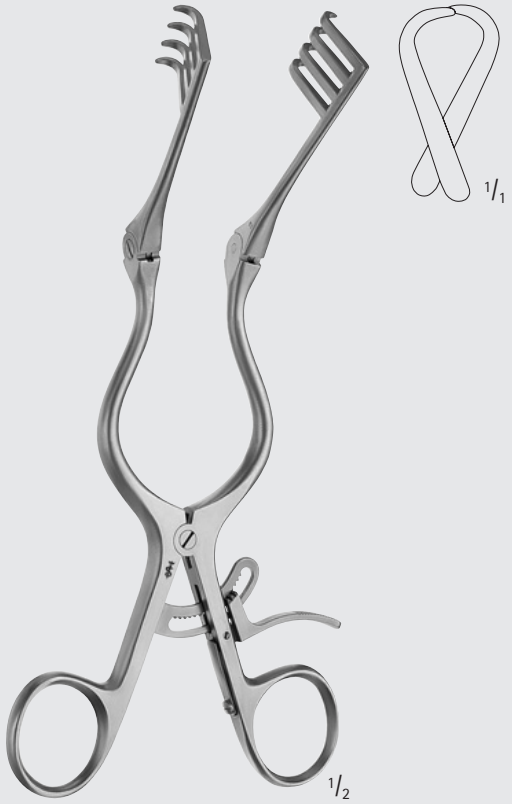
180 mm, 7"



ADSON-BABY

BV085R 140 mm, 5 1/2"
BV094R 165 mm, 6 1/2"

semi-sharp
halbscharf

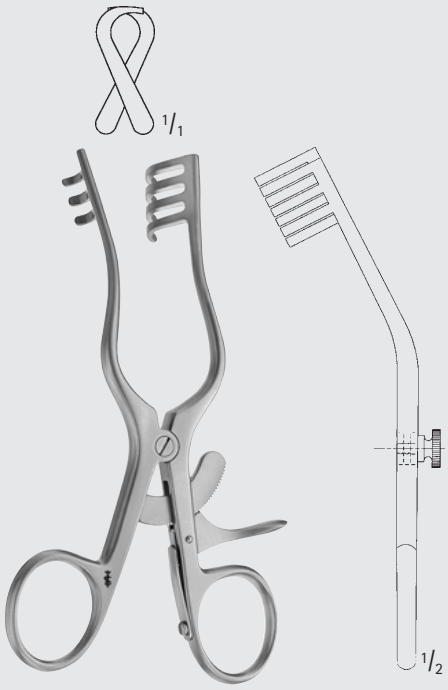


ADSON

BV251R

semi-sharp
halbscharf

215 mm, 8 1/2"



JEFFERSON

BV092R

curved, blunt

gebogen, stumpf

140 mm, 5 1/2"

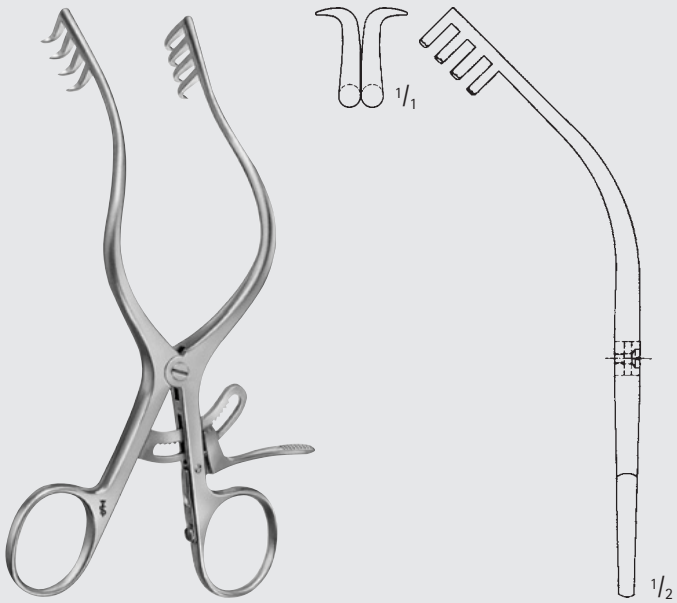
MOLLISON

BV093R

sharp

scharf

140 mm, 5 1/2"



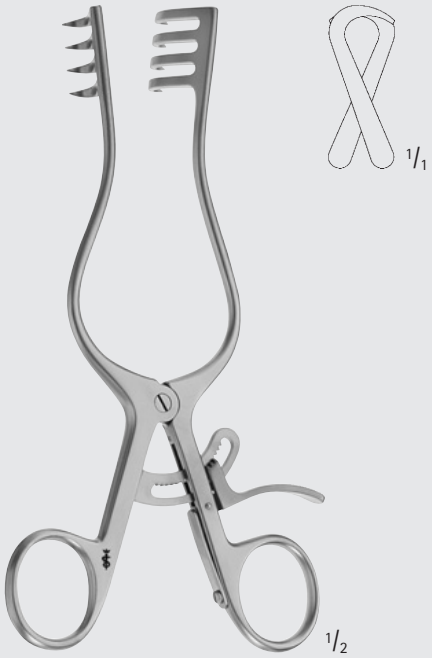
MOLLISON

BV088R

sharp

scharf

155 mm, 6"



HENDERSON

BV113R

sharp

scharf

180 mm, 7"

Retraction Systems, Retractors, Hooks – Sperrersysteme, Spreizer und Wundhaken

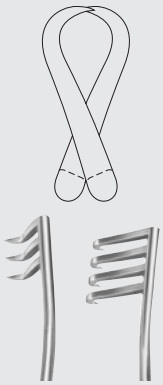
Self-Retaining Retractors, Large

Wundspreizer, groß

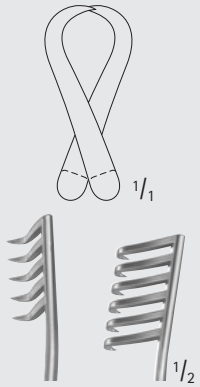
WEITLANER

BV199R–BV209R

BV200R
sharp
scharf
195 mm
7 3/4"

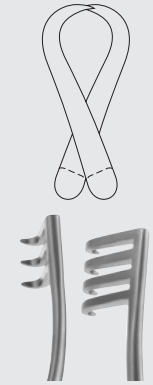


BV206R
sharp
scharf
240 mm
9 1/2"

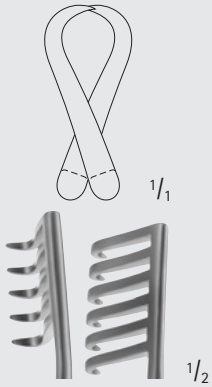


BV208R
sharp
scharf
255 mm
10"

BV199R
semi-sharp
halbscharf
195 mm
7 3/4"

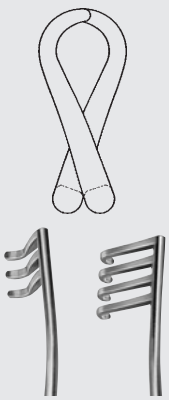


BV203R
semi-sharp
halbscharf
240 mm
9 1/2"

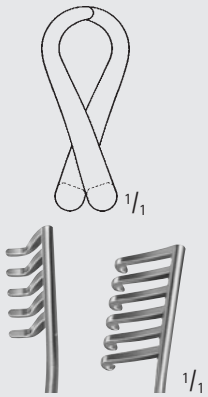


BV205R
semi-sharp
halbscharf
255 mm
10"

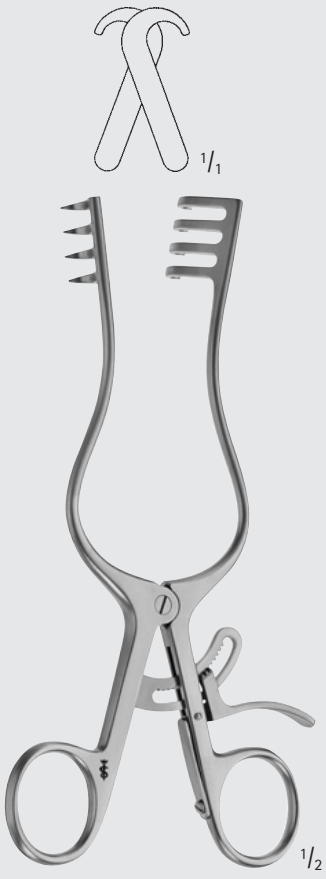
BV201R
blunt
stumpf
195 mm
7 3/4"



BV207R
blunt
stumpf
240 mm
9 1/2"



BV209R
blunt
stumpf
255 mm
10"



IRWIN

BV247R

sharp

scharf

175 mm, 7"

TRAVERS

BV249R

blunt

stumpf

215 mm, 8 1/2"

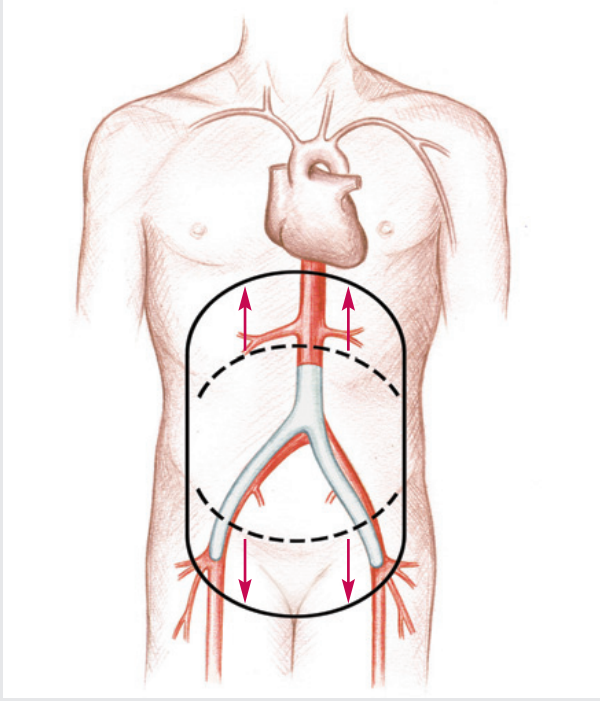
Abdominal aortic aneurysm
Abdominales Aortenaneurysma

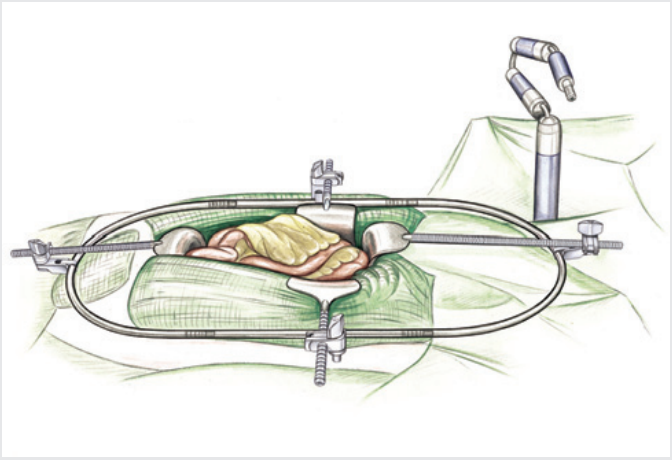
In the case of abdominal aortic aneurysm, the Aesculap Retraction System offers optimum visibility to the operating field.

Thanks to its modular design, the Aesculap Ring System can be individually adapted to the anatomical situation of the patient. The frames and retractors can be adjusted to the required dimensions with extensions of different lengths. For example, the abdominal ring of the system can be extended by means of ring extensions, which allows the creation of additional space in the cranial and caudal direction, e. g. in case of implantation of a Y-prosthesis for the treatment of an aneurysm. The system provides enough space for the aneurysm treatment as well as for the distal anastomosis.

Beim abdominalen Aortenaneurysma ermöglichen die Aesculap Retraktionssysteme eine optimierte Darstellung des Operationsfeldes.

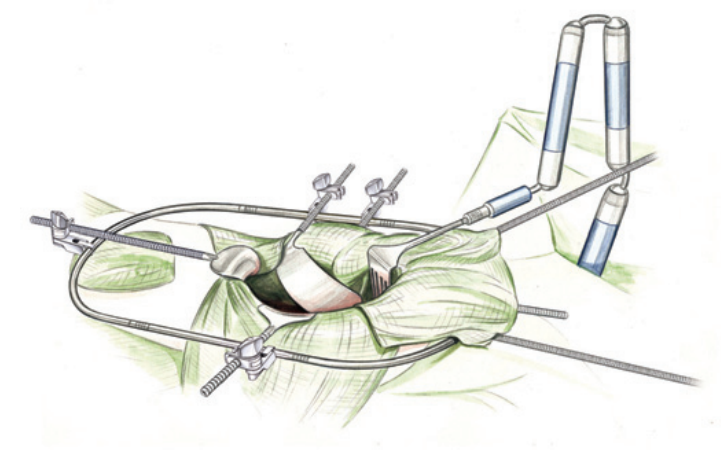
Das Aesculap Ring System kann aufgrund seiner modularen Konzeption individuell an die anatomische Situation des Patienten angepasst werden. Die Rahmen und Wundhaken lassen sich mit Verlängerungen in unterschiedlichen Längen auf das gewünschte Maß einstellen. So kann beispielsweise der Abdominalring des Systems durch entsprechende Ringverlängerungen verlängert werden, dass kranial und kaudal z.B. beim Einsatz einer Y-Prothese ausreichend Raum für die Behandlung des Aneurysmas sowie Zugang bei den distalen Anastomosen geschaffen wird.





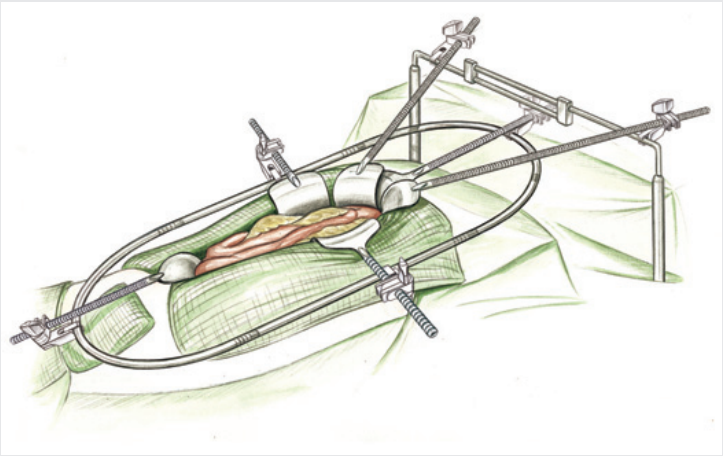
The Unitrac® Arm serves as an "additional surgeon's arm" for the retraction of organs and soft tissue (intestine, stomach, etc.). With just one button to press for adjustment, the site can be optimally exposed by using the Unitrac® arm.

Der Unitrac® Arm wird als „zusätzlicher Arm des Chirurgen" zur Retraktion von Organen und Weichgewebe (Darm, Magen, etc.) eingesetzt. Dank der einfachen Verstellbarkeit per Knopfdruck und der stabilen Retraktion kann der Situs mit dem Unitrac® optimal dargestellt werden.



Moreover, improved visibility of the site can also be achieved during interventions to the suprarenal aorta using the GNAUERT upper abdominal frame.

Zusätzlich kann mit dem Oberbauchrahmen nach GNAUERT, bei Eingriffen an der Aorta Suprarenalis eine verbesserte Darstellung des Situs erfolgen.

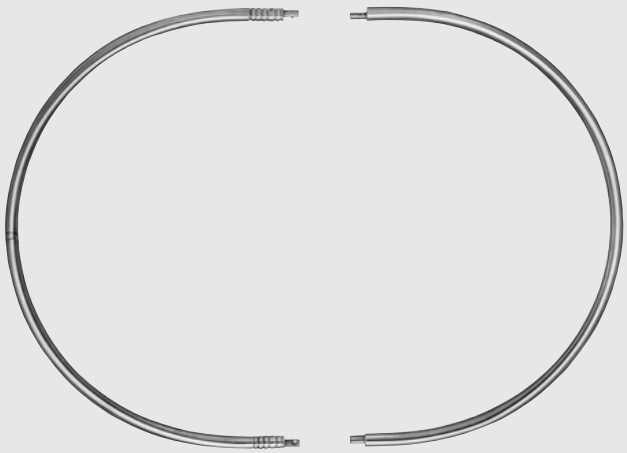


Recommended set

	Cat. No.	Quantity	Description
1	BV815R	1	Abdominal frame II 328 x 270 mm
2	BV817R	1	Abdominal frame III 408 x 350 mm
3	BV819R	1	Frame extension rod 100 mm
4	BV821R	1	Frame extension rod 250 mm
5	BV825R	8	Round notch rod 150 mm
6	BV849R	8	Connecting clamp
7	BV839R	2	Octagonal. notch rod 120 mm
8	FG290R	1	Wrench 10 AF, angled
9	BV961R	4	Abdominal retractor blade, size I 62 x 76 mm
10	BV962R	4	Abdominal retractor blade, size II 80 x 80 mm
11	BV972R	2	Abdominal retractor blade 100 x 100 mm
12	BV973R	2	Abdominal retractor blade 100 x 120 mm
13	BV945R	4	Abdominal retractor blade 50 x 90 mm
14	BV946R	2	Abdominal retractor blade 50 x 105 mm
15	BV952R	3	Liver retractor 140 x 85 mm
16	BT625R	1	Liver retractor 125 x 140 mm
17	BV949R	1	Kelly retractor blade 150 x 39 mm
18	BV848R	1	GNAUERT frame for upper abdomen
19	BV826R	4	Extension notch rod 100 mm
20	BV835R	2	Adapter for KSV ball snap closure blades
21	BV555R	1	Retractor blades, pair 48 x 59 mm KSV
22	BV556R	1	Retractor blades, pair 58 x 80 mm KSV
23	RT040R	1	Unitrac® holding arm
24	RT090R	3	Fixation clamp for OR table rail
25	GA466	1	Compressed air hose Aesculap Dräger, 5 m
26	RT153R	1	Unitrac® Coryllos retractor blade 115 x 65 mm

Setempfehlung

	Art. Nr.	Menge	Beschreibung
1	BV815R	1	Abdominal Ring II 328 x 270 mm
2	BV817R	1	Abdominal Ring III 408 x 350 mm
3	BV819R	1	Ring-Verlängerungsstab 100 mm
4	BV821R	1	Ring-Verlängerungsstab 250 mm, gerade
5	BV825R	8	Runde Raststange 150 mm
6	BV849R	8	Befestigungsklemme
7	BV839R	2	Achtkantraststange, 120 mm, mit Kontermutter
8	FG290R	1	Spannschlüssel SW 10
9	BV961R	4	Bauchdeckenhaken Gr. I 62 x 76 mm
10	BV962R	4	Bauchdeckenhaken Gr. II 80 x 80 mm
11	BV972R	2	Bauchdeckenhaken 100 x 100 mm
12	BV973R	2	Bauchdeckenhaken 100 x 120 mm
13	BV945R	4	Bauchdeckenhaken 50 x 90 mm
14	BV946R	2	Bauchdeckenhaken 50 x 105 mm
15	BV952R	3	Leberhaken 140 x 85 mm
16	BT625R	1	Leberhaken 125 x 140 mm
17	BV949R	1	Wundhaken nach Kelly 150 x 39 mm
18	BV848R	1	GNAUERT Oberbauchrahmen
19	BV826R	4	Verlängerungsstück für Raststange 100 mm
20	BV835R	2	Kupplungsstück mit KSV Ansatz
21	BV555R	1	Blätter Paar 48 x 59 mm KSV
22	BV556R	1	Blätter Paar 58 x 80 mm KSV
23	RT040R	1	Unitrac® Haltearm
24	RT090R	3	Haltekolben zur Befestigung an der OP Tisch Schiene
25	GA466	1	Druckluftschlauch Aesculap Dräger, 5 m
26	RT153R	1	Unitrac® Wundhaken Coryllos 115 x 65 mm



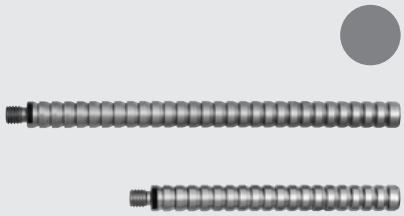
BV814R 238 x 180 mm
Abdominal frame I, detachable
Abdominalring I, teilbar

1 **BV815R** 328 x 270 mm
Abdominal frame II, detachable
Abdominalring II, teilbar

2 **BV817R** 408 x 350 mm
Abdominal frame III, detachable
Abdominalring III, teilbar

3 **BV819R** 100 mm
Frame extension rod, (1 Pair)
Ring-Verlängerungsstange, (1 Paar)

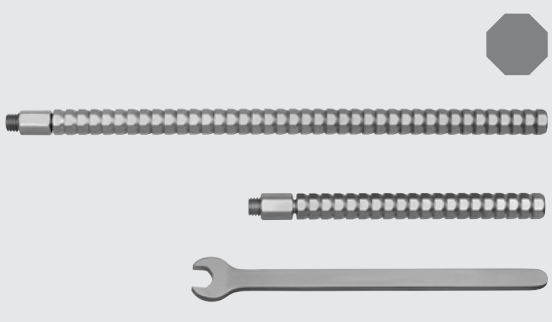
4 **BV821R** 250 mm
Frame extension rod, (1 Pair)
Ring-Verlängerungsstange, (1 Paar)



Round notch rods
Runde Raststangen

5 **BV825R** 150 mm

19 **BV826R** 100 mm
Extension notch rod
Verlängerungsstück



Octangular notch rods
Achtkant-Raststangen

BV840R 220 mm

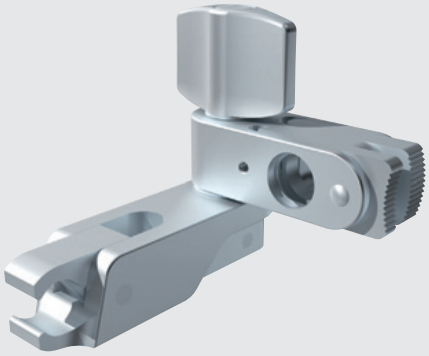
7 **BV839R** 120 mm

8 **FG290R** Wrench for locking retractor blades on BV839R and BV840R
Schlüssel zum Sichern von Wundhaken auf BV839R und BV840R

MILLIMETERS

20 **BV835R**

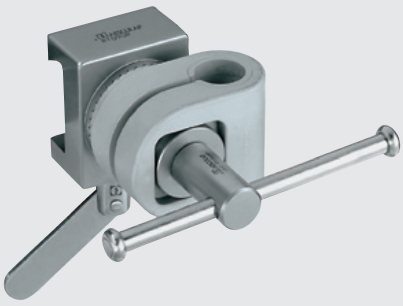
Adapter for retractor blades with ball snap closure (KSV)
Kupplungsstück für KSV-Wundhaken



6 **BV849R**

Connecting clamp, with latching mechanism for octangular notch rods.
Suitable for round and octangulat notch rods
Befestigungsklemme, mit Arretierungsfunktion für Achtkant-Raststangen.
Geeignet für runde und Achtkantraststangen

One-hand-use
Einhandbedienung



23 **RT040R**

Unitrac®-Arm, 74 cm long, 4 kg holding force
Unitrac®-Arm, 74 cm Länge, 4 kg Haltekraft

24 **RT090R**

Connection to the OR table rail, 9-10 cm width, 25-35 cm length
Adapter für OP-Schiene, 9-10 cm Breite, 25-35 cm Länge

25 **GA466**

Compressed air hose Aesculap Dräger, 5 m
Druckluftschlauch Aesculap Dräger, 5 m

GNAUERT Frame for upper abdomen
GNAUERT Oberbauchrahmen

18 **BV848R** GNAUERT Frame for upper abdomen,
consisting of: 1 Frame (horizontal)
2 Vertical rods

Additionally required (please order separately):
2 RT090R
Connecting clamps

GNAUERT Oberbauchrahmen,
bestehend aus: 1 Rahmen (horizontal)
2 senkrechte Stangen

Zusätzlich werden 2 RT090R Adapter benötigt
(nicht in BV848R enthalten, bitte zusätzlich bestellen)

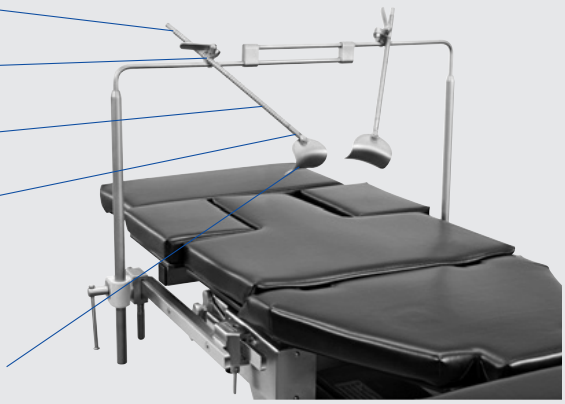
BV827R Notch rod end part
Raststangenendstück

6 **BV849R** 2 Clamps
2 Klemmen

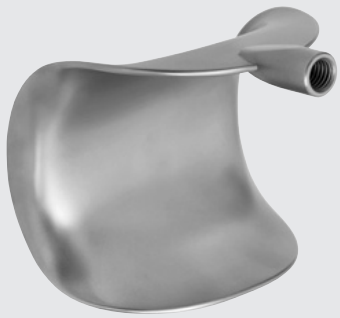
Round notch rods (BV825R)
Runde Raststangen (BV825R)

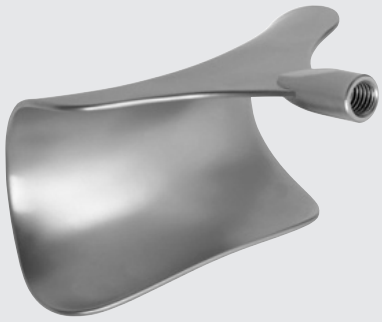
20 **BV835R** Adapter piece
Kupplungsstück

Retractor blades
(recommended) 21 **BV555R** 22 **BV556R**
Wundhaken
(Empfehlung:) 21 **BV555R** 22 **BV556R**



Set up example
Montagebeispiel





9 **BV961R** 62 x 76 mm
Abdominal retractor blade, size I
Bauchdeckenhaken, Größe I

10 **BV962R** 80 x 80 mm
Abdominal retractor blade, size II
Bauchdeckenhaken, Größe II

11 **BV972R** 100 x 100 mm
Abdominal retractor blade,
Bauchdeckenhaken

12 **BV973R** 100 x 120 mm
Abdominal retractor blade
Bauchdeckenhaken

13 **BV945R** 50 x 90 mm
Abdominal retractor blade
Bauchdeckenhaken

14 **BV946R** 50 x 105 mm
Abdominal retractor blade
Bauchdeckenhaken

21 **BV555R** 48 x 59 mm
Retractor blades (Pair), KSV
Blätter (Paar), KSV

22 **BV556R** 58 x 80 mm
Retractor blades (Pair), KSV
Blätter (Paar), KSV

BV557R 72 x 84 mm
Retractor blades (Pair), KSV
Blätter (Paar), KSV

15 **BV952R** 140 x 85 mm
Liver retractor
Leberhaken

16 **BT625R** 125 x 140 mm
Liver retractor
Leberhaken

17 **BV949R** 150 x 39 mm
Retractor blade KELLY
Wundhaken KELLY

26 **RT153R** 115 x 65 mm
Coryllos Retractor
Coryllos Retraktor

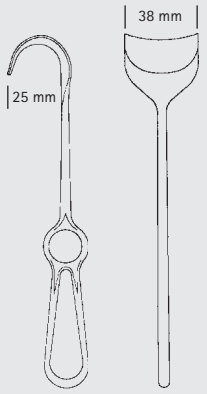
Retraction Systems, Retractors, Hooks – Sperrersysteme, Spreizer und Wundhaken

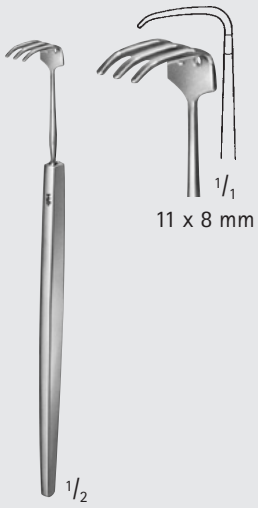
Wound and Vein Retractors

Wund- und Venenhaken

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite





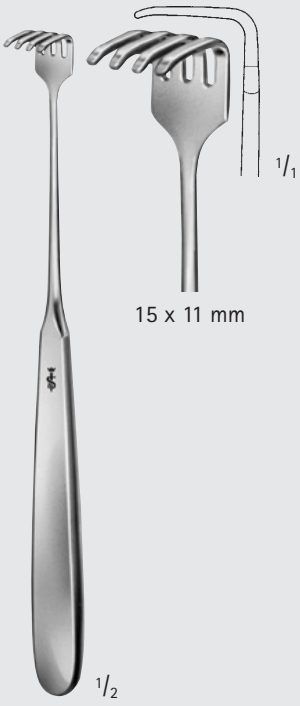
PAUL

OA340R

120 mm, 4 3/4"

BT170R–BT171R

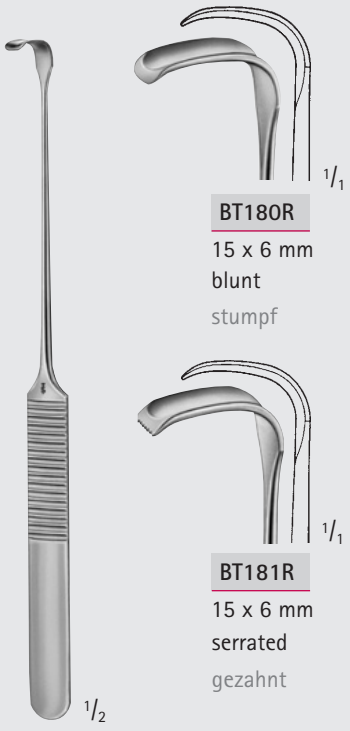
175 mm, 7"



KLAPP

BT172R

175 mm, 7"



STRANDELL-STILLE

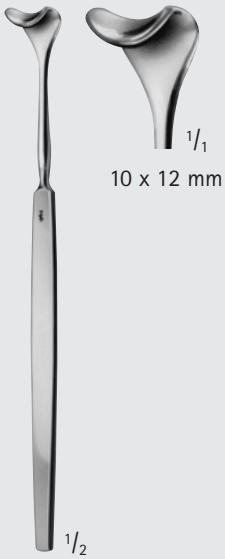
BT180R–BT181R

180 mm, 7"

MASING

OL211R

140 mm, 5 1/2"



COTTLE

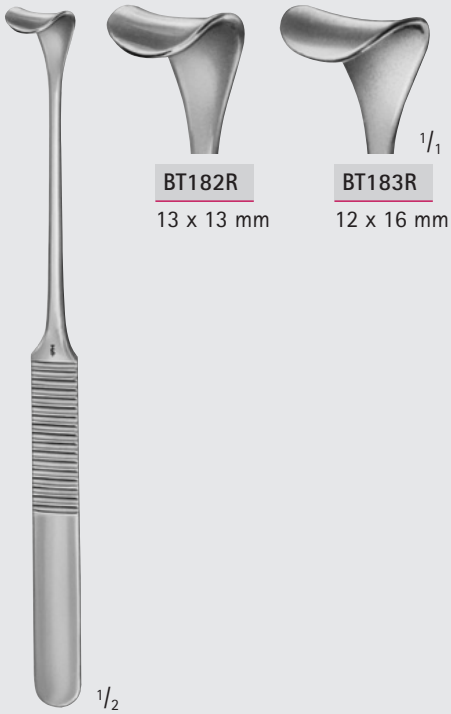
OL212R

140 mm, 5 1/2"

DESMARRES

OA310R–OA314R

140 mm, 5 1/2"



KÖNIG

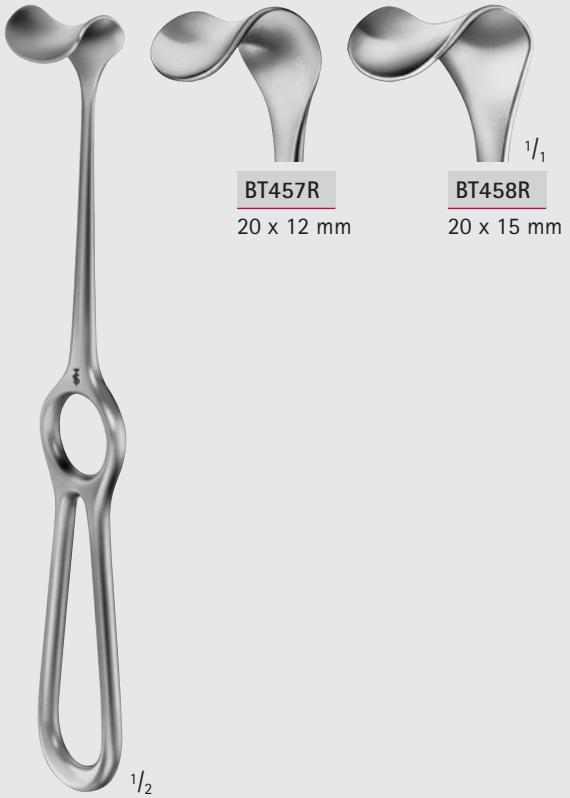
BT182R–BT183R

180 mm, 7"

CUSHING-KOCHER

BT190R

175 mm, 7"



KOCHER

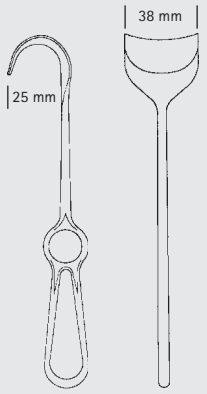
BT457R–BT458R

205 mm, 8"

Wound and Vein Retractors
Wund- und Venenhaken

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite

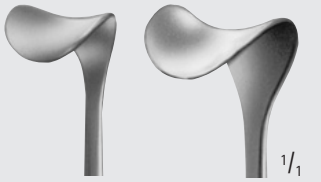


13 x 6 mm

SCHOENBORN

BT192R

200 mm, 8"



BT184R

10 x 13 mm

BT185R

14 x 18 mm

CUSHING

BT184R-BT185R

205 mm, 8"

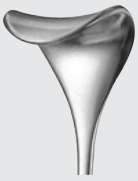
BT210R
10 x 4 mm

BT211R
10 x 6 mm

BT212R
10 x 8 mm

BT213R
10 x 11 mm

BT214R
13 x 15 mm



BT215R
13 x 17 mm

BT216R
14 x 20 mm

1/1
BT217R
16 x 23 mm

1/2

GIL VERNET

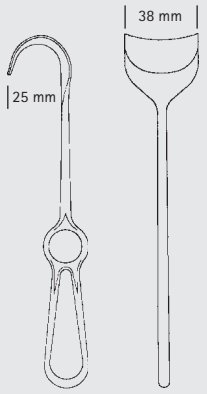
BT210R–BT217R

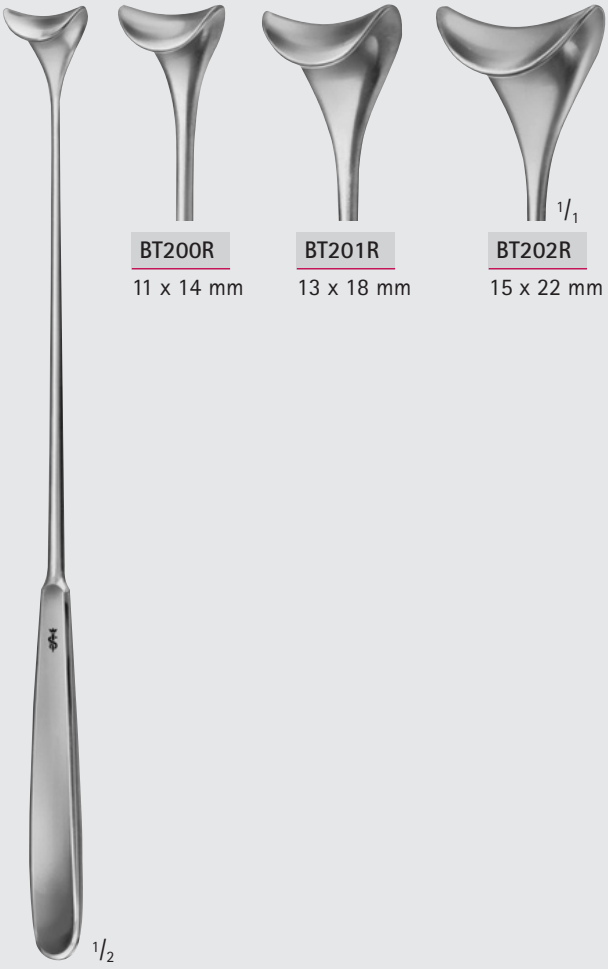
240 mm, 9 1/2"

Wound and Vein Retractors
Wund- und Venenhaken

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite





BT200R
11 x 14 mm

BT201R
13 x 18 mm

BT202R
15 x 22 mm

CUSHING

BT200R–BT202R
250 mm, 10"

for longitudinal dissection of vessels
zur Längspräparation von Gefäßen

BT206R
Small dissecting hook
Präparationshäkchen
235 mm, 9 1/4"

KOCHER

BT234R

sharp

scharf

205 mm, 8"

KOCHER

BT238R

sharp

scharf

220 mm, 8 3/4"

KOCHER

BT239R

blunt

stumpf

220 mm, 8 3/4"

VOLKMANN

BT240R

sharp

scharf

220 mm, 8 3/4"

VOLKMANN

BT241R

blunt

stumpf

220 mm, 8 3/4"

BT232R

sharp

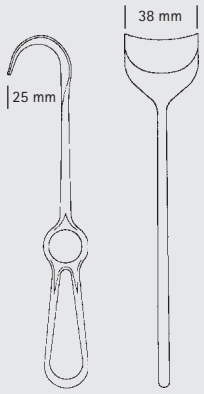
scharf

245 mm, 9 3/4"

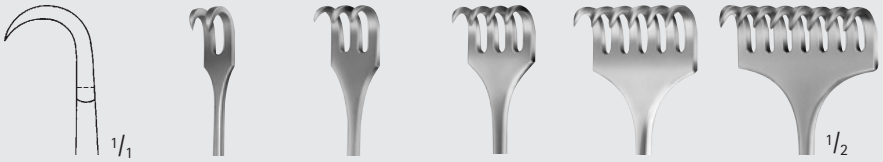
Retractors with Teeth
Wundhaken mit Zähnen

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



sharp
scharf



BT242R	BT243R	BT244R	BT246R	BT248R
9 x 8 mm	9 x 13 mm	9 x 19 mm	9 x 29 mm	9 x 40 mm

semi-sharp
halbscharf

BT257R	BT259R	BT260R	BT261R	BT265R
8.5 x 8 mm	8.5 x 13 mm	8.5 x 19 mm	8.5 x 29 mm	8.5 x 40 mm

blunt
stumpf

BT252R	BT253R	BT254R	BT256R	BT258R
8 x 8 mm	8 x 13 mm	8 x 19 mm	8 x 29 mm	8 x 40 mm

VOLKMANN

BT242R–BT265R

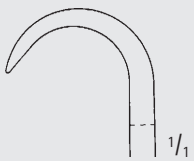
220 mm, 8 3/4"

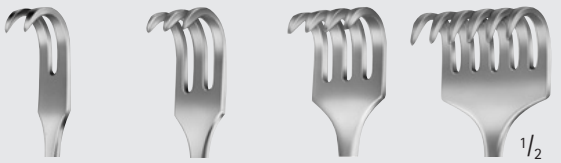
KOCHER

BT262R–BT276R

220 mm, 8 3/4"

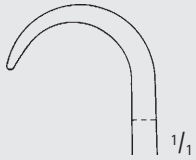
semi-sharp
halbscharf





BT262R	BT263R	BT264R	BT266R
16 x 9 mm	16 x 14 mm	16 x 20 mm	16 x 30 mm

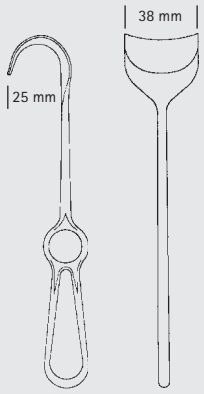
blunt
stumpf



BT272R	BT273R	BT274R	BT276R
15.5 x 9 mm	15.5 x 14 mm	15.5 x 20 mm	15.5 x 30 mm

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite

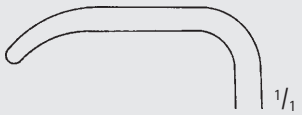


1/2

LANGENBECK

BT320R-BT326R

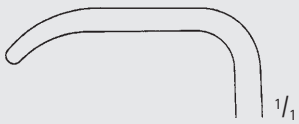
210 mm, 8 1/4"



1/1

BT320R

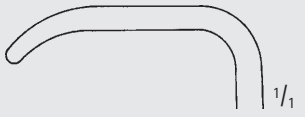
28 x 10 mm



1/1

BT323R

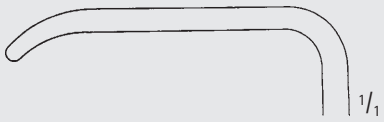
28 x 16 mm



1/1

BT321R

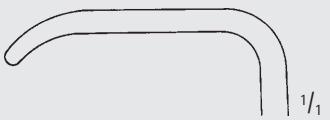
28 x 14 mm



1/1

BT325R

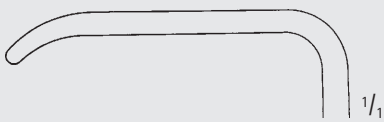
40 x 10 mm



1/1

BT322R

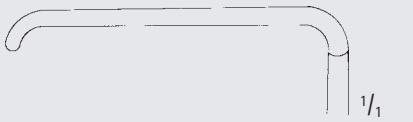
33 x 14 mm



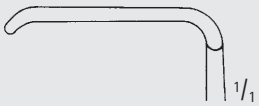
1/1

BT326R

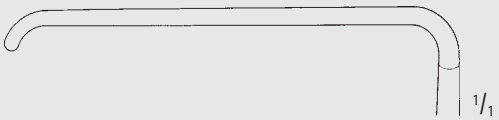
40 x 13 mm



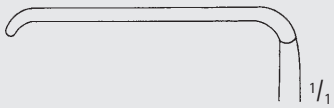
BT359R
41 x 11 mm



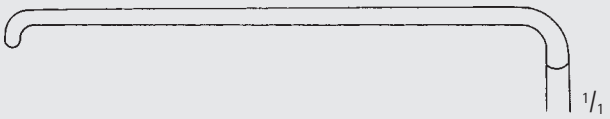
BT354R
25 x 6 mm



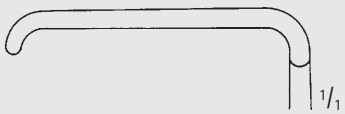
BT361R
55 x 11 mm



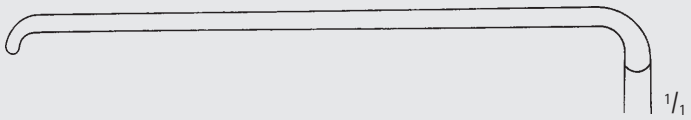
BT356R
35 x 8 mm



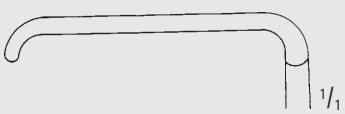
BT363R
70 x 14 mm



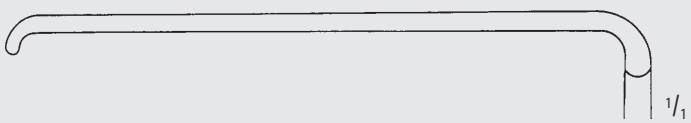
BT357R
35 x 11 mm



BT364R
80 x 12 mm



BT358R
35 x 15 mm



BT365R
80 x 16 mm

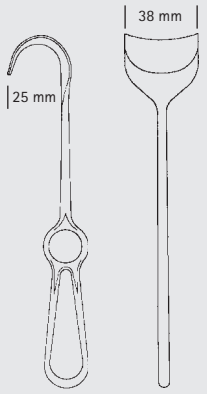
KOCHER-LANGENBECK

BT354R–BT365R

215 mm, 8 1/2"

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

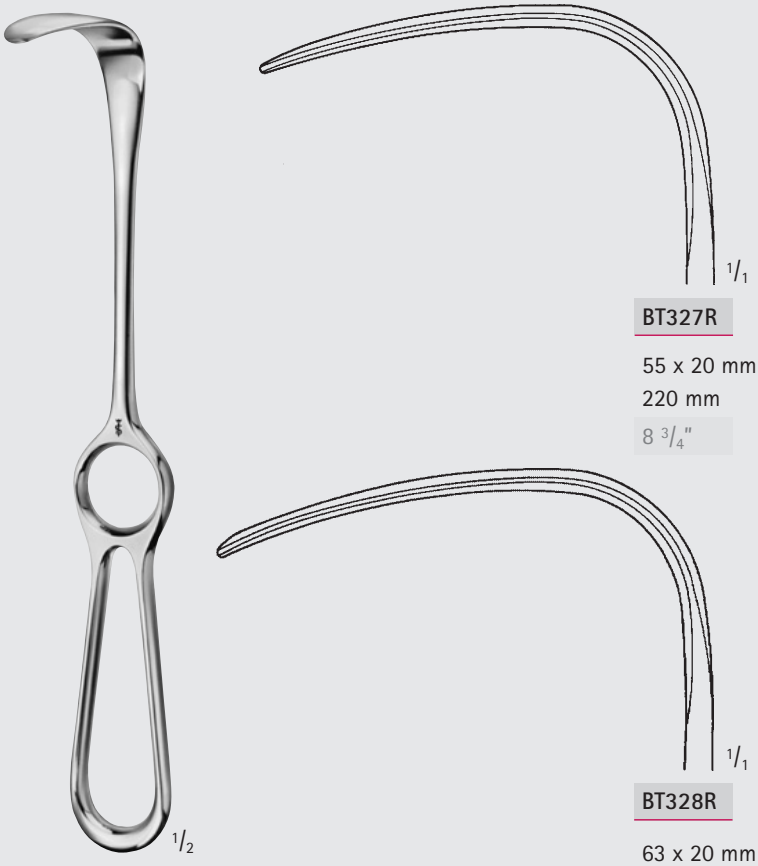
Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite



KOCHER

BT340R

210 mm, 8 1/4"



LANGENBECK

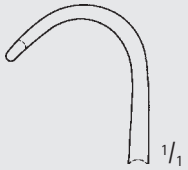
BT327R-BT328R

BT327R

55 x 20 mm
220 mm
8 3/4"

BT328R

63 x 20 mm
210 mm
8 1/4"



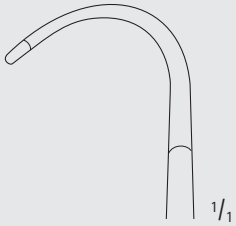
1/1

BT404R

15 x 15 mm

220 mm

8 3/4"



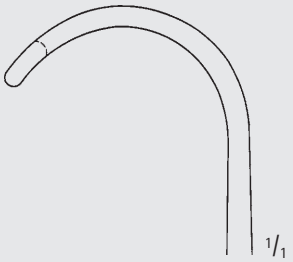
1/1

BT405R

20 x 22 mm

215 mm

8 1/2"



1/1

BT406R

28 x 28 mm

235 mm

9 1/4"

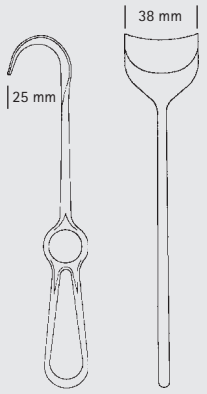
1/2

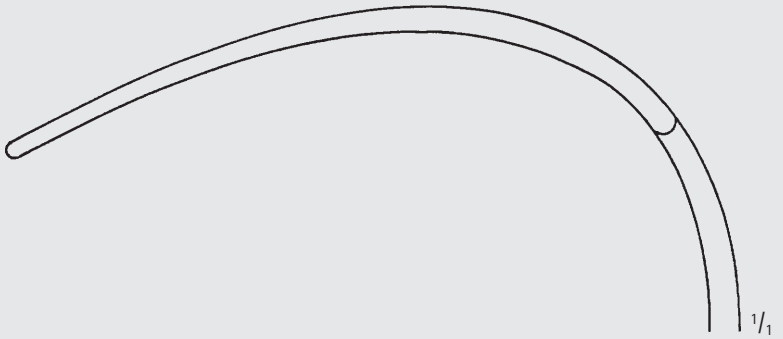
MIDDELDORPF

BT404R–BT406R

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite

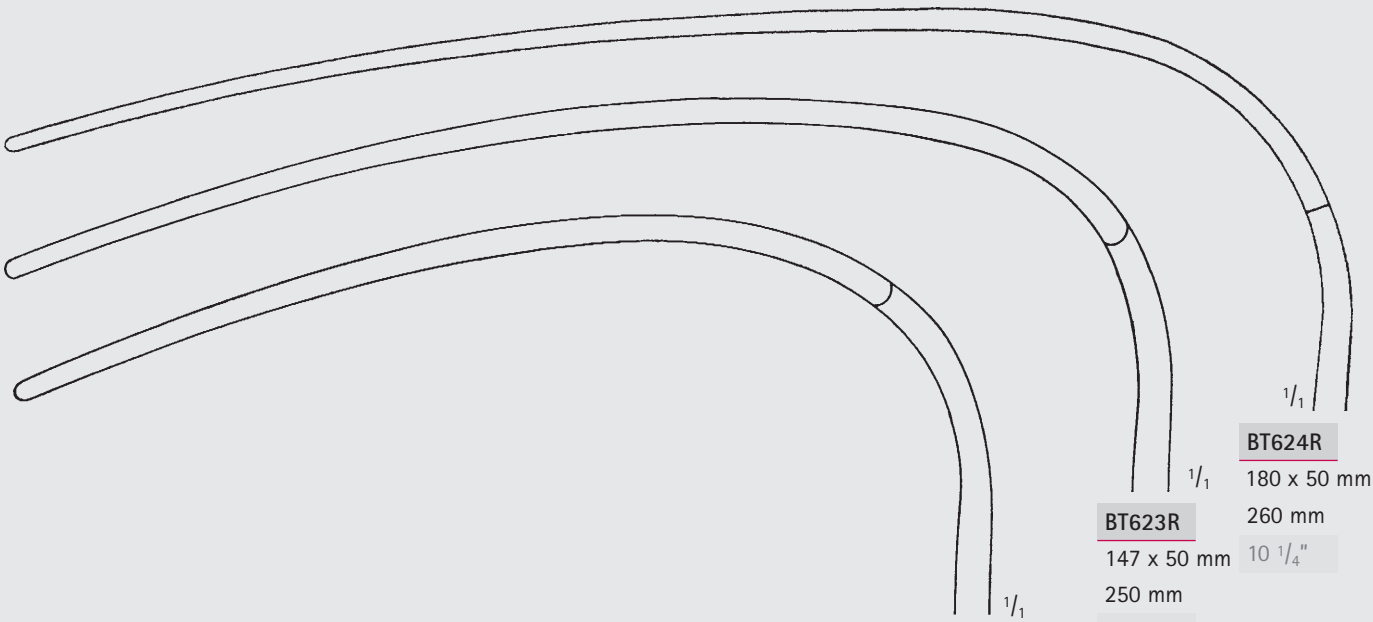




MIKULICZ

BT621R

240 mm, 9 1/2"



1/1

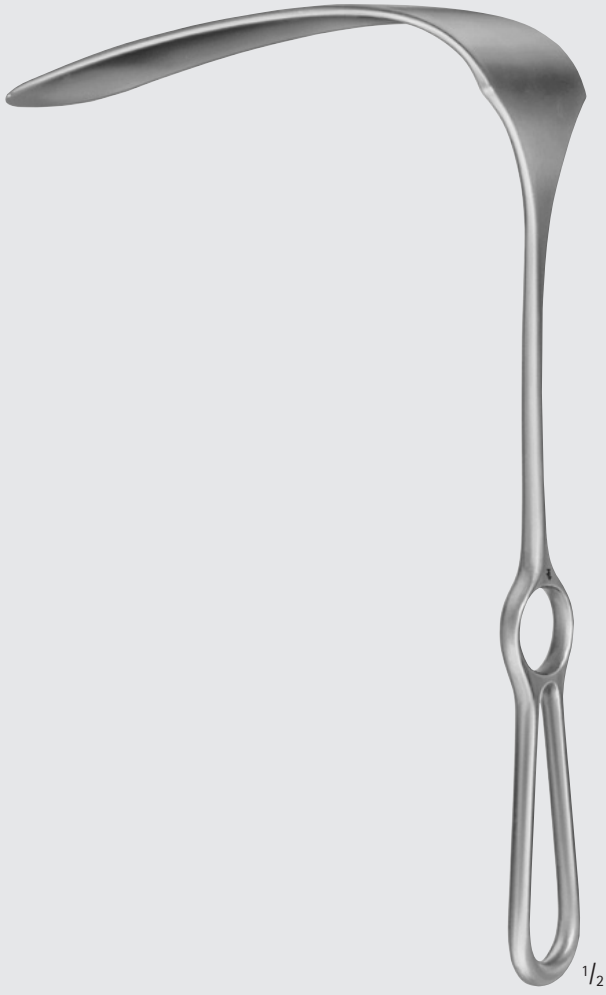
BT624R
180 x 50 mm
260 mm
10 1/4"

1/1

BT623R
147 x 50 mm
250 mm
10"

1/1

BT622R
121 x 50 mm
250 mm
10"



1/2

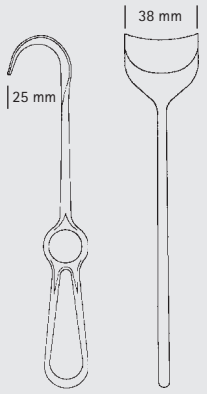
MIKULICZ

BT622R–BT624R

Abdominal Retractors
Bauchdeckenhaken

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite

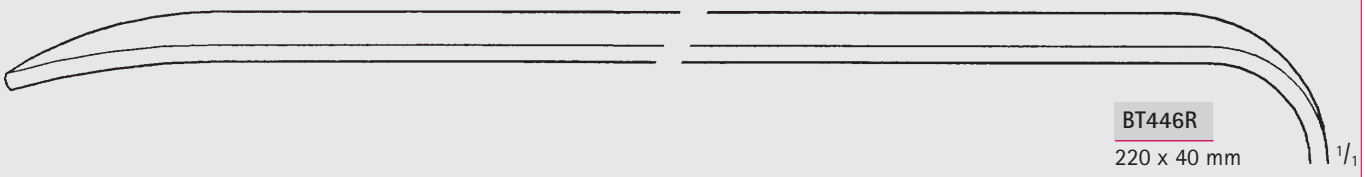


BT633R
155 x 57 mm

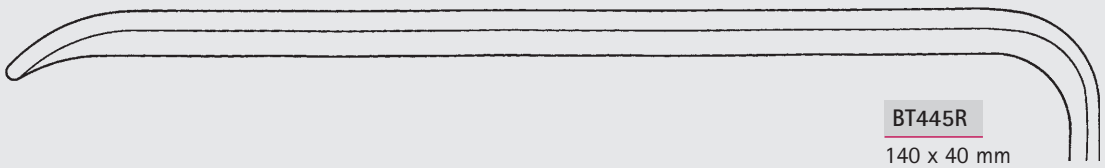
BT630R
150 x 39 mm

KELLY

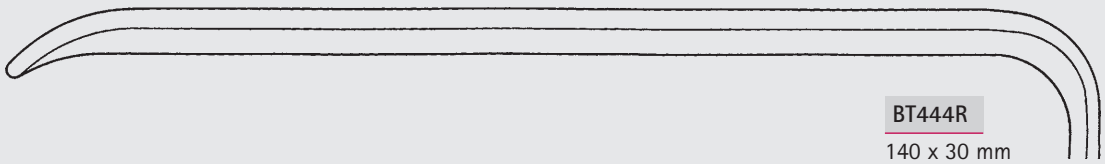
BT630R–BT633R
260 mm, 10 1/4"



BT446R
220 x 40 mm
1/1



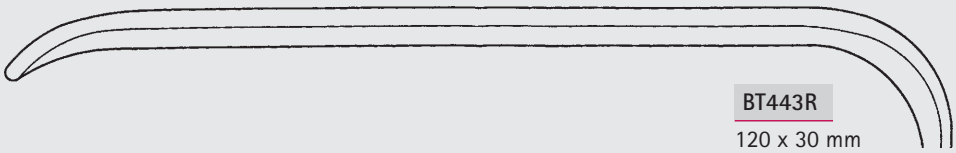
BT445R
140 x 40 mm



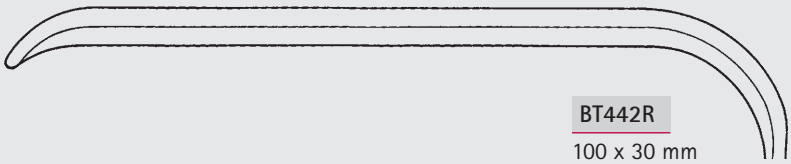
BT444R
140 x 30 mm

HÖSEL

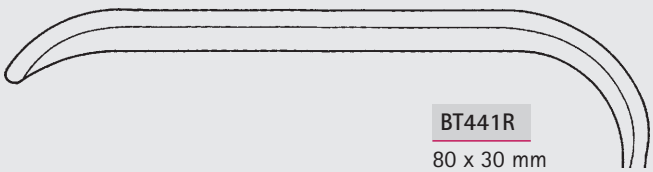
BT440R–BT446R
250 mm, 10"
1/2



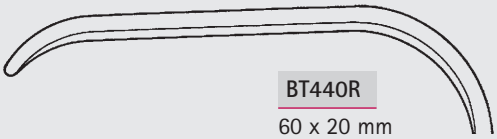
BT443R
120 x 30 mm



BT442R
100 x 30 mm



BT441R
80 x 30 mm

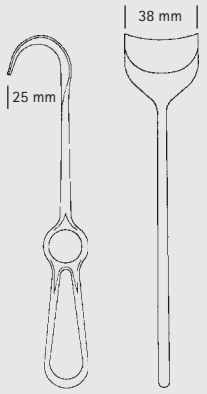


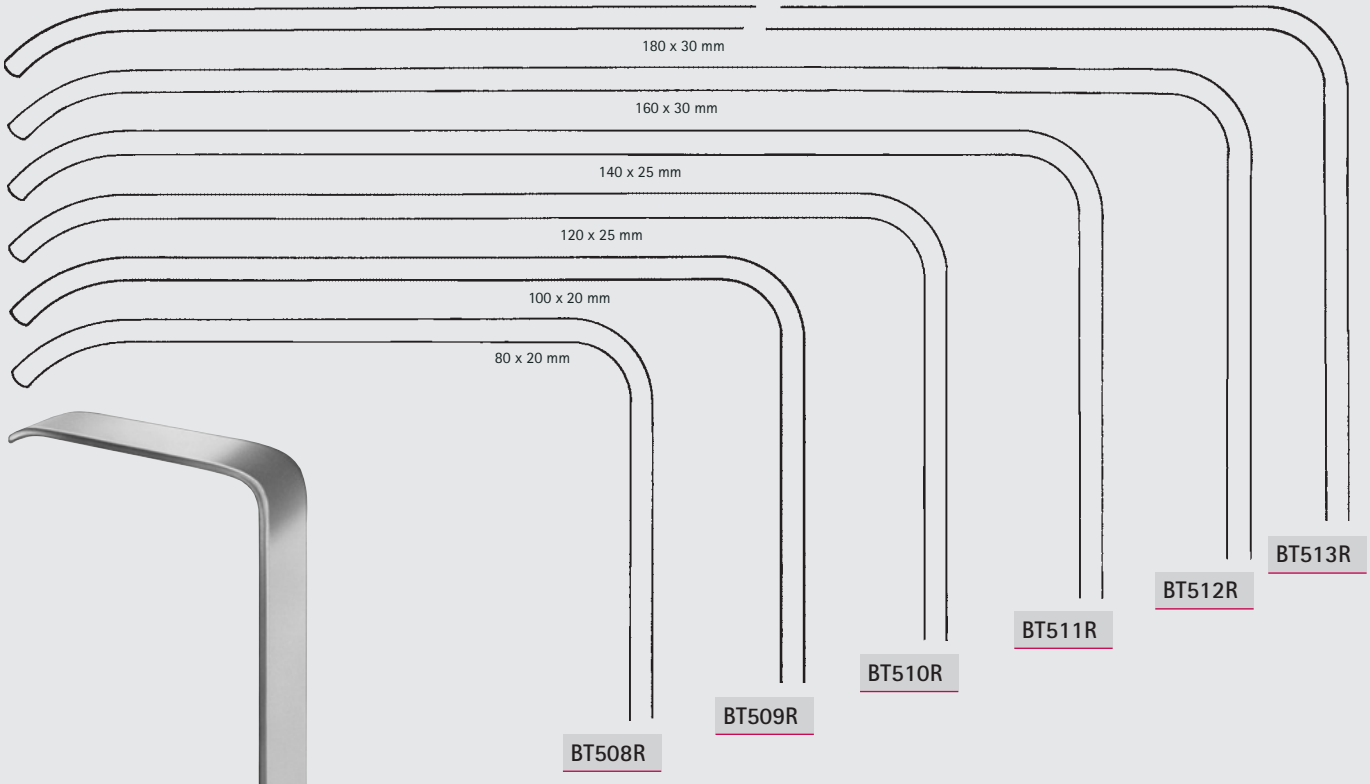
BT440R
60 x 20 mm

Abdominal Retractors
Bauchdeckenhaken

Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite





BRUNNER

BT508R–BT513R

250 mm, 10"

SIMON
EL873R
275 mm
10 3/4"

SIMON
EL872R
275 mm
10 3/4"

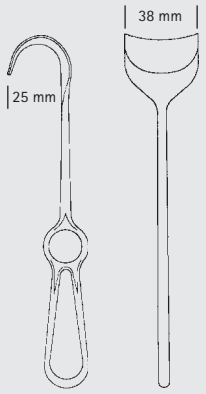
MARTIN
EL870R
250 mm
10"

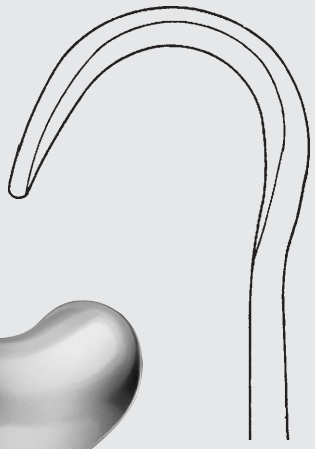
TÜBINGER MODELL
EL868R
265 mm
10 1/2"

Abdominal Retractors
Bauchdeckenhaken

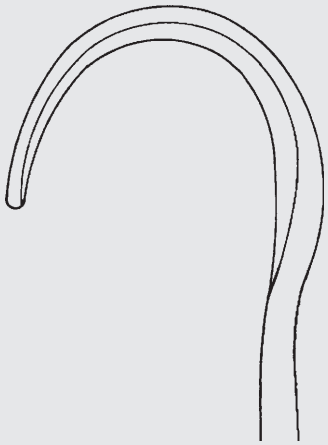
Dimensions for blade size of retractors
1st number = depth Example: 25 x 38 mm
2nd number = width

Maßangaben für Blattgrößen der Wundhaken
1. Zahl = Tiefe Beispiel: 25 x 38 mm
2. Zahl = Breite

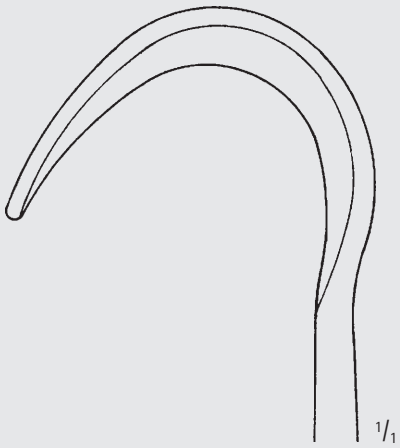




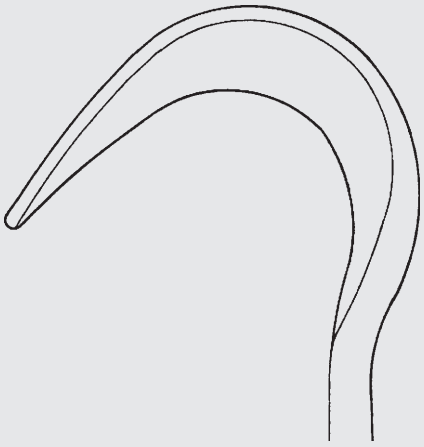
BT655R
Fig. 1
32 x 40 mm



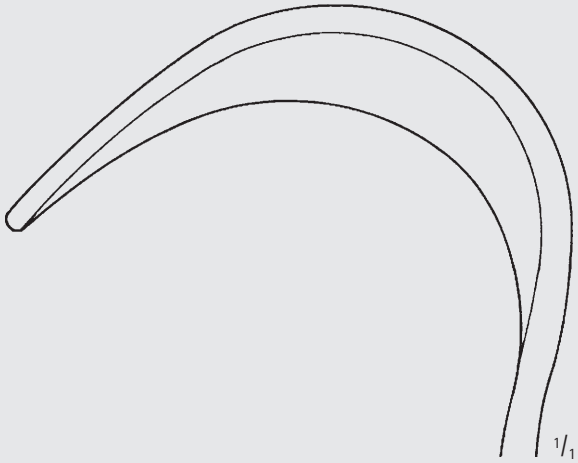
BT656R
Fig. 2
34 x 50 mm



BT657R
Fig. 3
41 x 60 mm



BT658R
Fig. 4
46 x 75 mm



BT659R
Fig. 5
64 x 85 mm

FRITSCH

BT655R–BT659R

235 mm, 9 1/4"

REVERDIN

BT749R

285 mm, 11 1/4"

HABERER

BT758R

malleable

biegsam

305 mm, 12"

RIBBON

BT756R	25 mm
BT761R	30 mm
BT762R	40 mm
BT763R	50 mm

malleable

biegsam

330 mm, 13 1/8"

TUFFIER

BT750R

malleable

biegsam

200 mm, 8"

BT751R	12 mm	200 mm, 8"
BT752R	17 mm	200 mm, 8"
BT755R	25 mm	250 mm, 10"

malleable

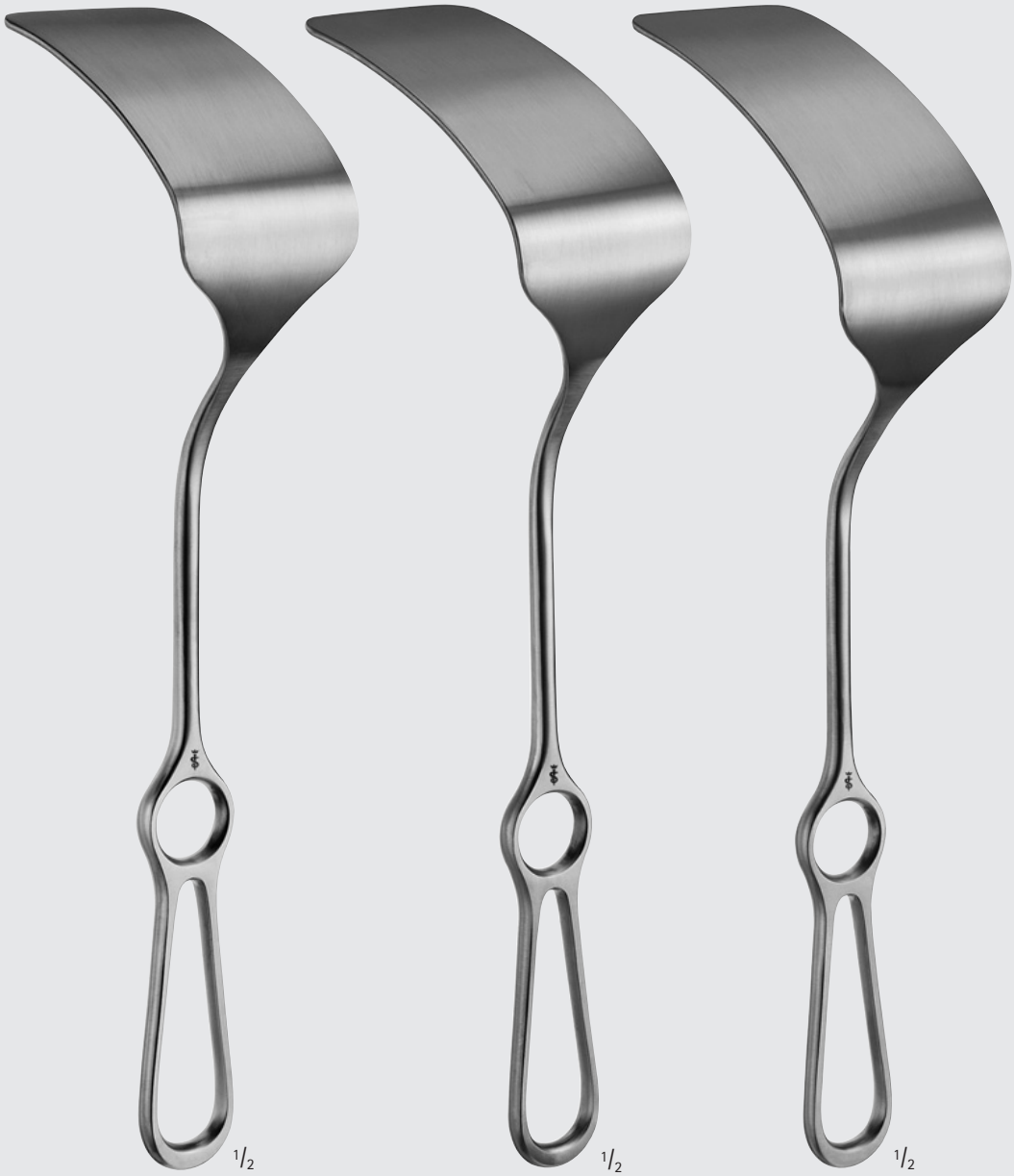
biegsam

Abdominal retractors for exposing of the abdominal aorta

- To be used in pairs:
  - left side: small retractor (BT640R-BT642R)
  - right side: large retractor (BT643R-BT645R)
    to keep away organs and tissue, e.g. intestine

Bauchdeckenhaken zur übersichtlichen Darstellung der Bauch-Aorta

- Einsatz erfolgt paarweise:
  - linke Seite: schmaler Haken (BT640R-BT642R)
  - rechte Seite: breiter Haken (BT643R-BT645R)
    zum Weghalten von Organ-und Gewebestrukturen, wie z.B. des Darms



VOLLMAR

BT640R-BT642R

left,
small

links,
schmal

320 mm, 12 3/4"

	BT640R	BT641R	BT642R
Blade width Blattbreite	60 mm	60 mm	60 mm
Blade length Blattlänge	110 mm	120 mm	130 mm

VOLLMAR

BT643R–BT645R

right,
large

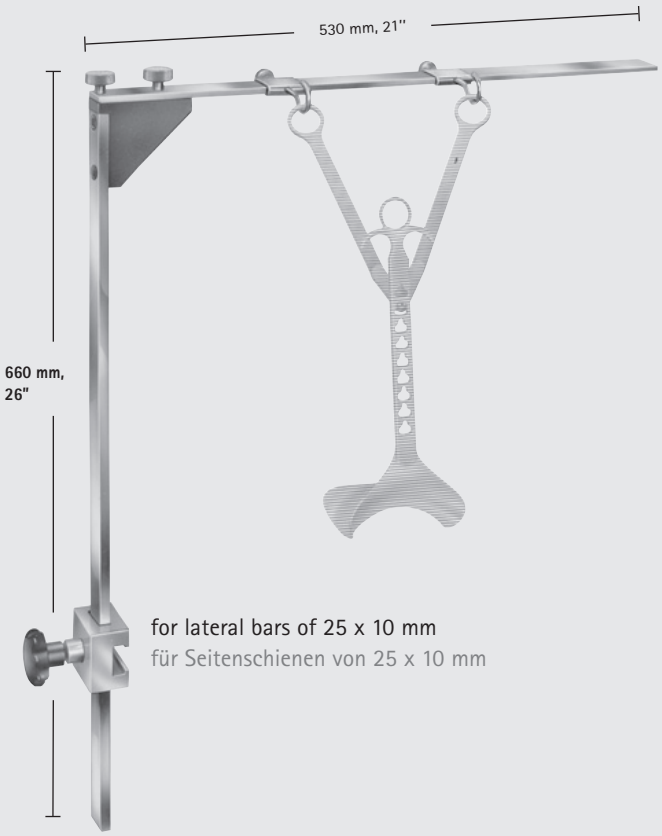
rechts,
breit

320 mm, 12 3/4"

	BT643R	BT644R	BT645R
Blade width Blattbreite	110 mm	110 mm	110 mm
Blade length Blattlänge	120 mm	140 mm	160 mm

Mounting frames
- to be used with:
  - BT710R Fixation device and
  - BT711R - BT715R ROCHARD abdominal retractors

Befestigungsgestelle
- zu verwenden mit:
  - BT710R Fixiervorrichtung und
  - BT711R - BT715R ROCHARD Bauchdeckenhalter

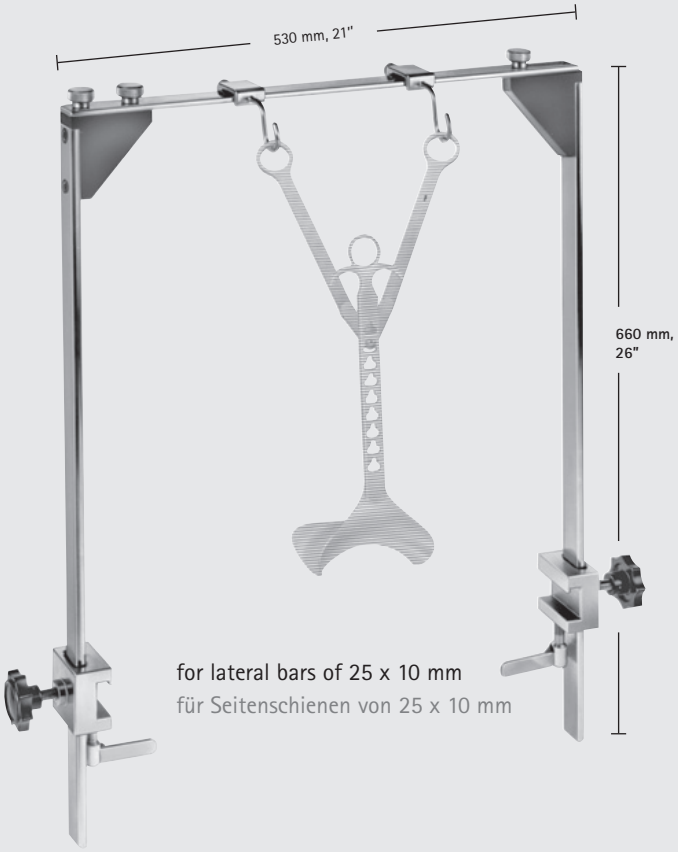


ROCHARD

BT709R

Mounting frame for fastening to the lateral bars of the operating tables, can be dismantled for decontamination and sterilization.

Befestigungsgestell zur Fixierung an den Seitenschienen der OP-Tische, zerlegbar zur Aufbereitung und Sterilisation.



ROCHARD

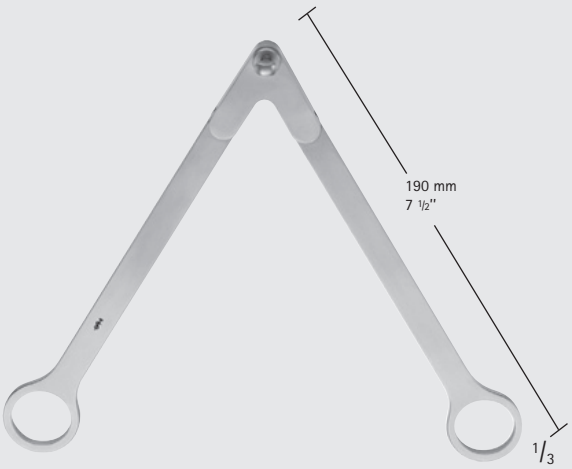
BT708R

Mounting frame for fastening to both sides of the lateral bars of the operating table, thus more stability is given, can be dismantled for decontamination and sterilization.

Befestigungsgestell mit beidseitiger Fixierung an den Seitenschienen der OP-Tische, dadurch mehr Stabilität, zur Aufbereitung und Sterilisation zerlegbar.

ROCHARD

BT710R–BT715R



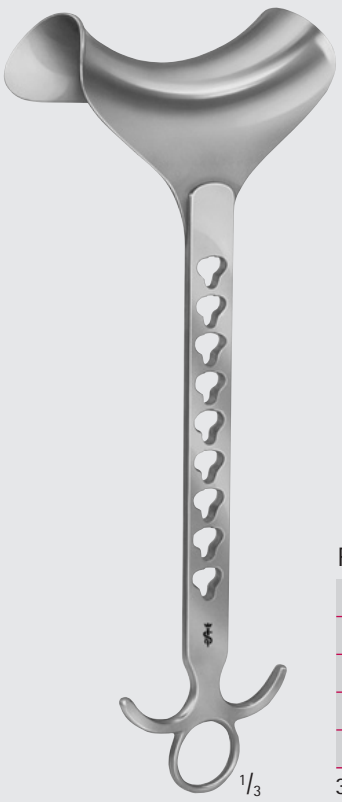
ROCHARD

BT710R

Fixation device for BT711R - BT715R

Fixiervorrichtung für BT711R - BT715R

190 mm, 8"

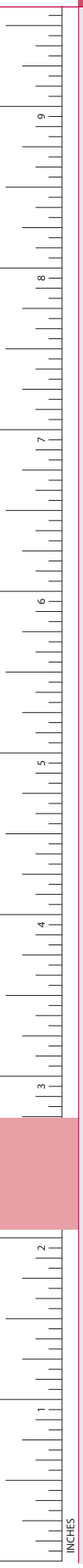


ROCHARD

BT711R	48 x 90 mm
BT712R	48 x 105 mm
BT713R	48 x 120 mm
BT714R	48 x 135 mm
BT715R	48 x 155 mm

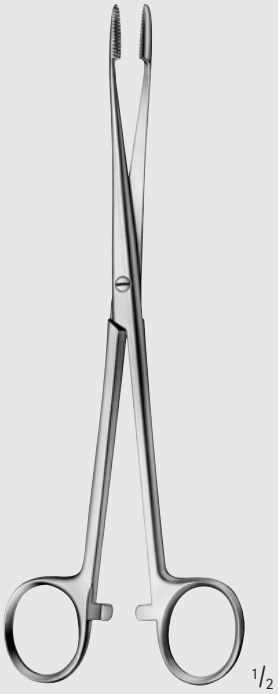
310 mm, 12 1/4"

MILLIMETERS

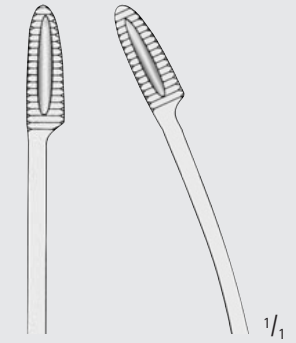

INCHES

General
Allgemein

General Surgical Instruments
Klassisches Chirurgisches Instrumentarium



1/2



1/1

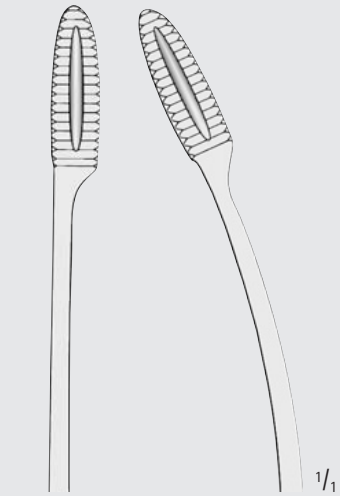
BF032R
straight
gerade

BF033R
curved
gebogen

GROSS

BF032R–BF033R
180 mm, 7"
with ratchet
mit Sperre

1/2



1/1

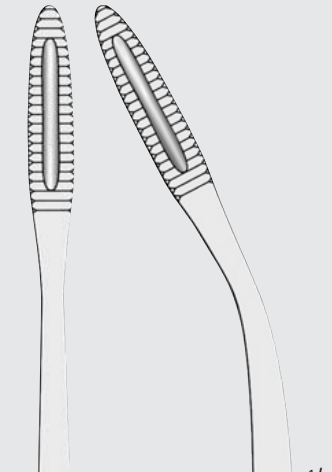
BF040R
straight
gerade

BF041R
curved
gebogen

GROSS

BF040R–BF041R
without ratchet
ohne Sperre
200 mm, 8"

1/2



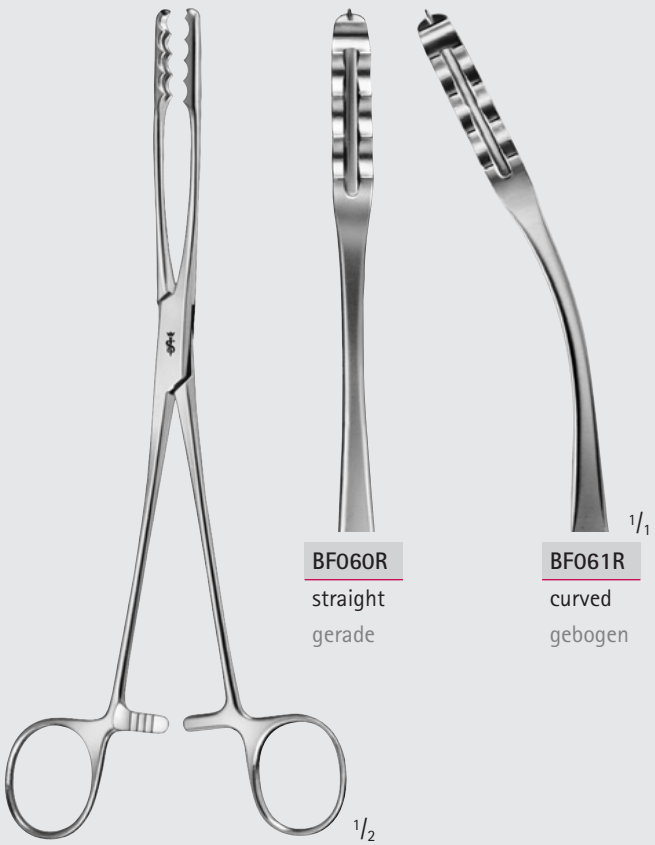
1/1

BF046R
straight
gerade

BF047R
curved
gebogen

GROSS

BF046R–BF047R
with ratchet
mit Sperre
200 mm, 8"



BF060R
straight
gerade

BF061R
curved
gebogen

AESCULAP

BF060R–BF061R

with ratchet
mit Sperre
220 mm, 8 3/4"

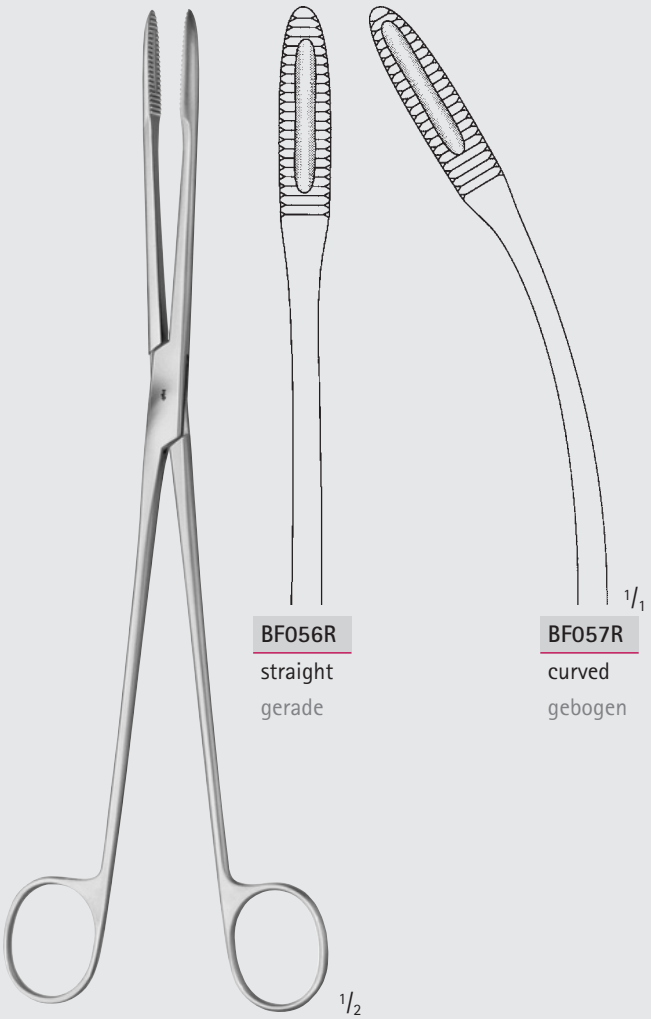
BF062R
straight
gerade

BF063R
curved
gebogen

ULRICH-AESCULAP

BF062R–BF063R

with ratchet
mit Sperre
265 mm, 10 1/2"

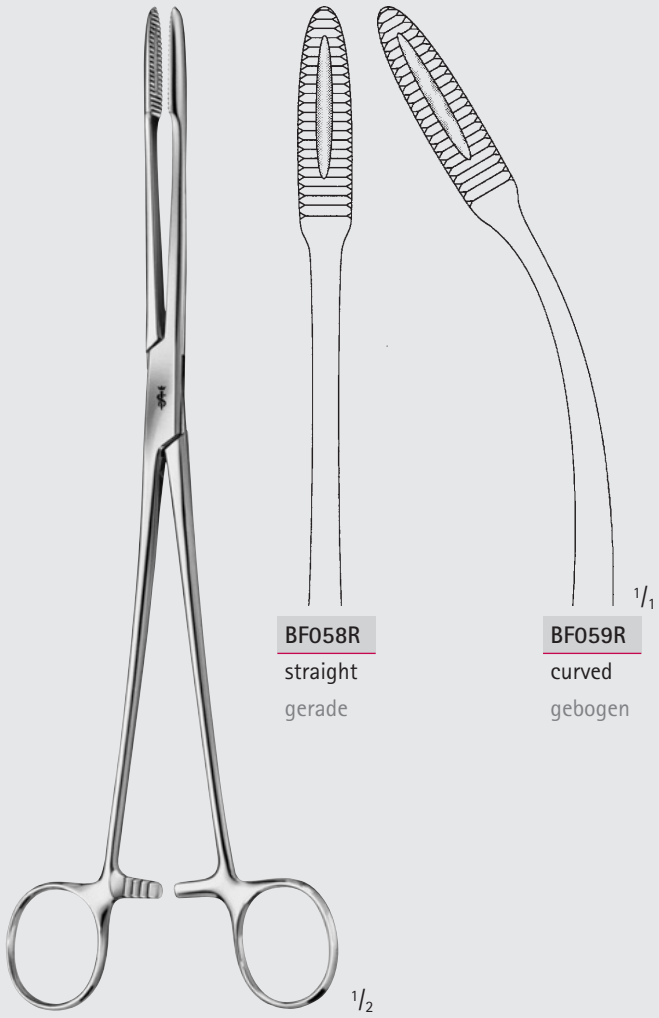


BF056R
straight
gerade

BF057R
curved
gebogen

MAIER

BF056R-BF057R
without ratchet
ohne Sperre
265 mm, 10 1/2"

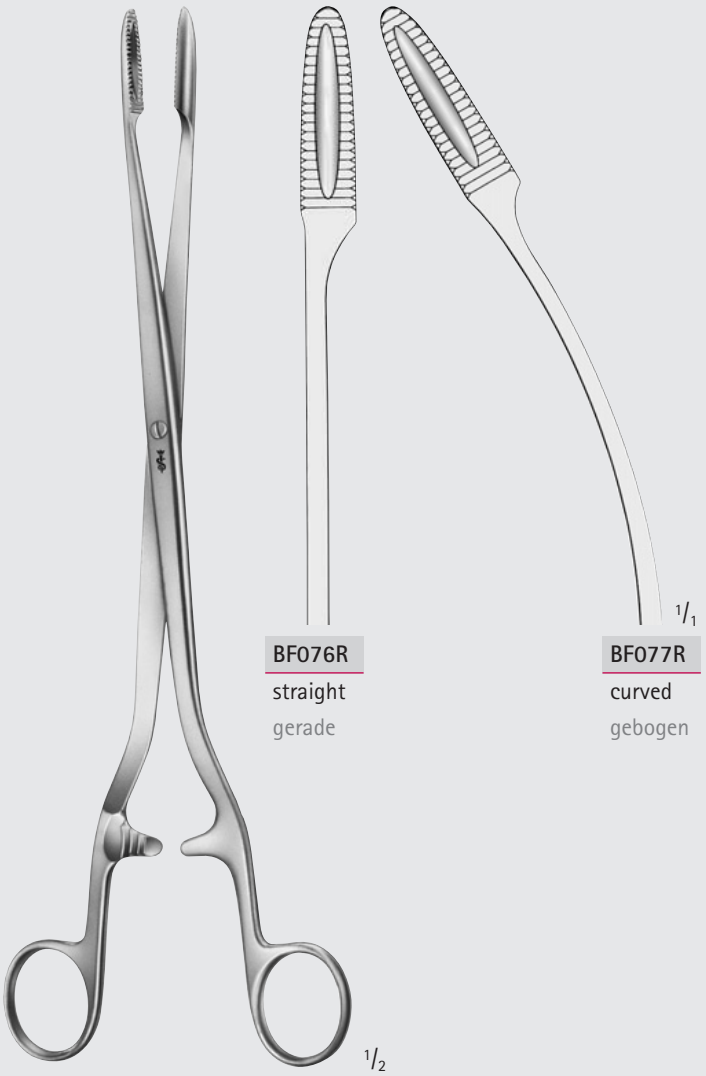


BF058R
straight
gerade

BF059R
curved
gebogen

MAIER

BF058R-BF059R
with ratchet
mit Sperre
265 mm, 10 1/2"



BF076R
straight
gerade

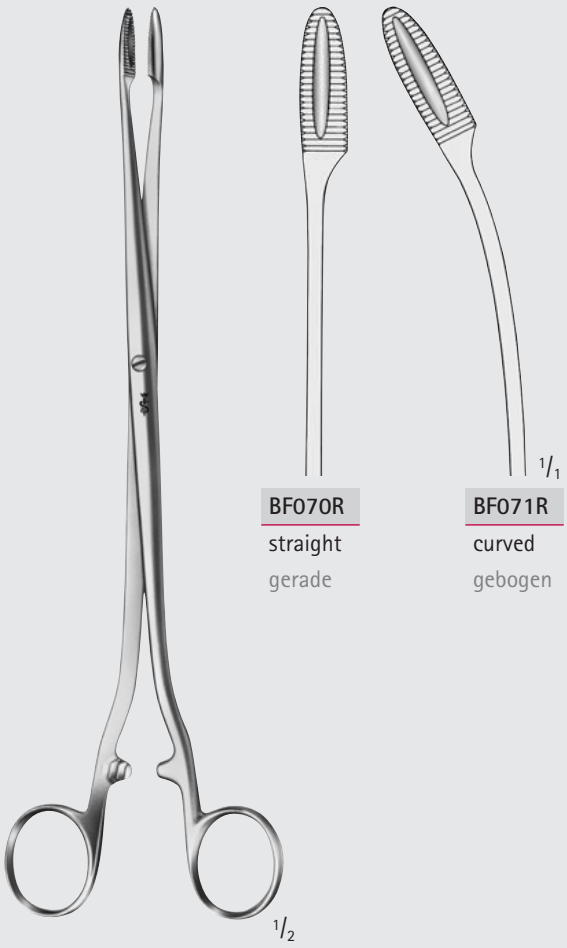
BF077R
curved
gebogen

1/1

1/2

SIMS-MAIER

BF076R–BF077R
with ratchet
mit Sperre
280 mm, 11"



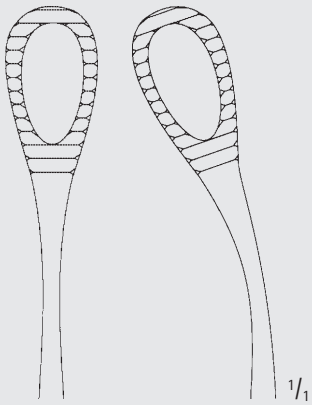
BF070R
straight
gerade

BF071R
curved
gebogen

1/1

1/2

BF070R–BF071R
with ratchet
mit Sperre
240 mm, 9 1/2"

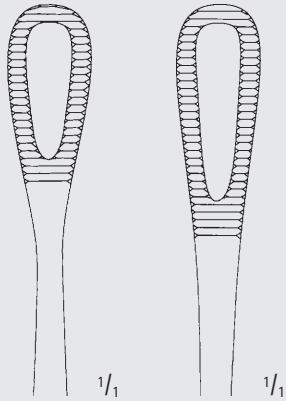


BF112R
straight
gerade

BF113R
curved
gebogen

1/1

FOERSTER-BALLENGER
BF112R–BF113R
with ratchet
mit Sperre
180 mm, 7"

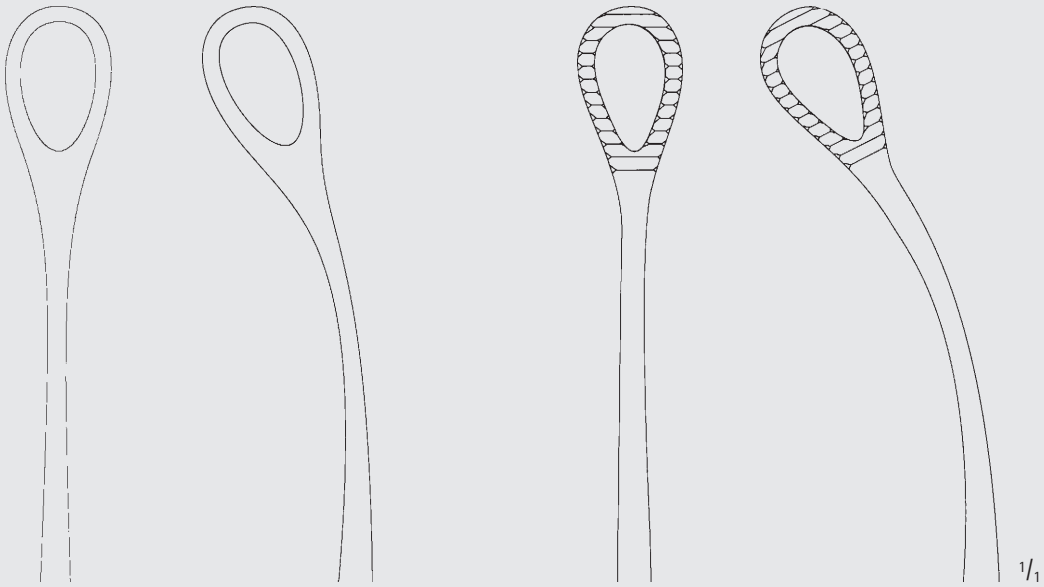


BF116R
straight
gerade
180 mm
7"

BF118R
straight
gerade
250 mm
10"

1/1

RAMPLEY
BF116R–BF118R
with ratchet
mit Sperre



BF120R
smooth jaws
straight
glattes Maul
gerade

BF121R
smooth jaws
curved
glattes Maul
gebogen

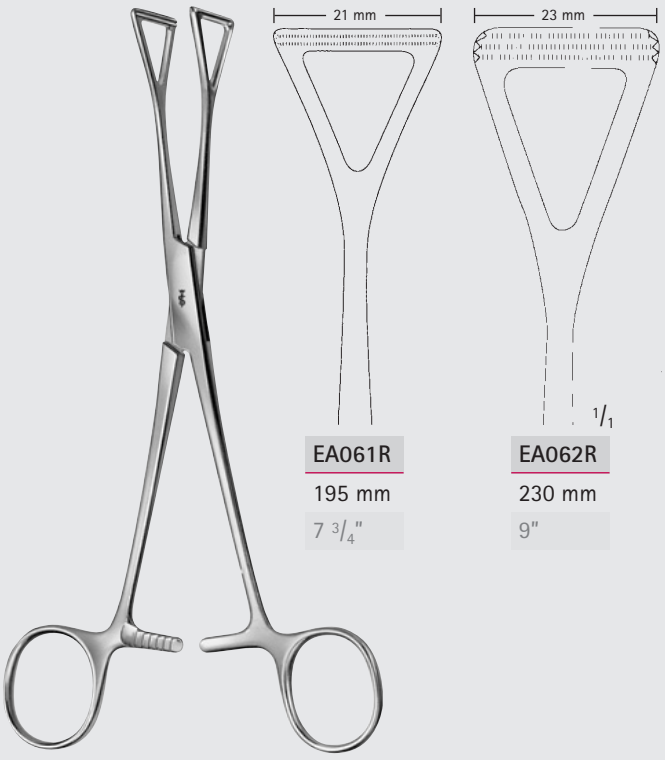
BF122R
straight
gerade

BF123R
curved
gebogen

1/1

FOERSTER-BALLENGER
BF120R–BF123R
with ratchet
mit Sperre
245 mm, 9 3/4"

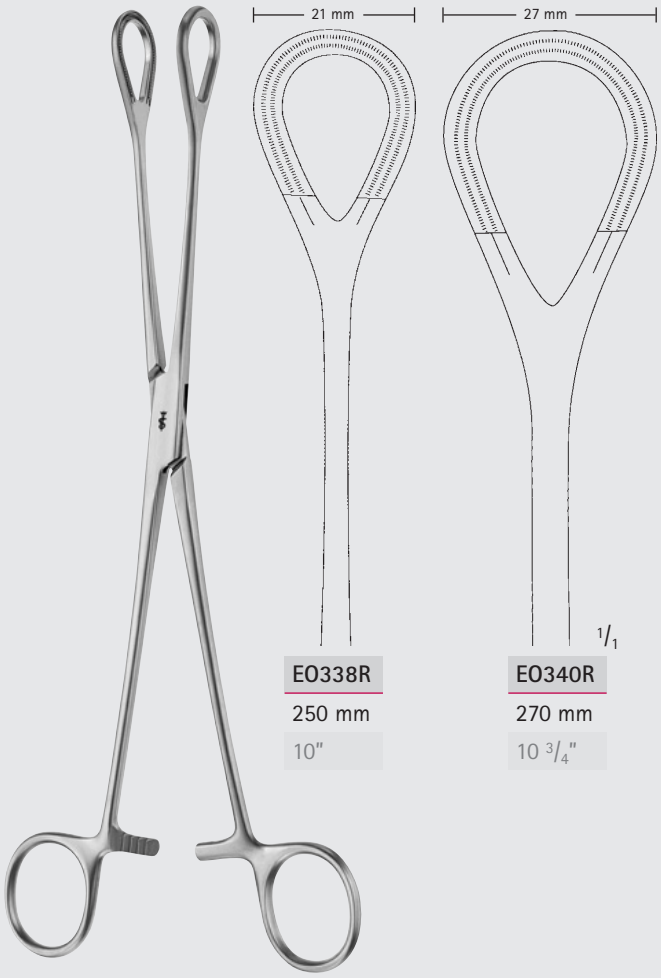
2:3 Teeth rows
2:3 Zahnreihen



EA061R	EA062R
195 mm	230 mm
7 3/4"	9"

COLLIN

EA061R-EA062R



EO338R	EO340R
250 mm	270 mm
10"	10 3/4"

EO338R-EO340R

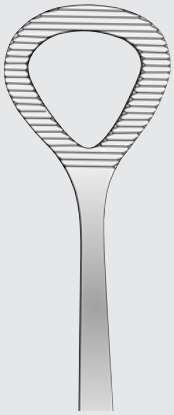
COLLIN

AN709R–BH908R

BH906R

160 mm

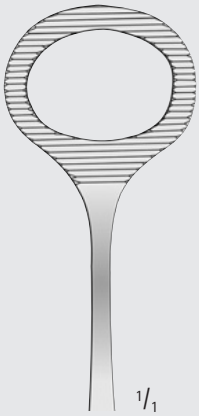
6 1/4"



BH908R

160 mm

6 1/4"



AN709R

170 mm

6 3/4"

HEYWOOD-SMITH

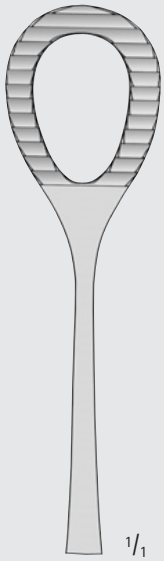
AN710R

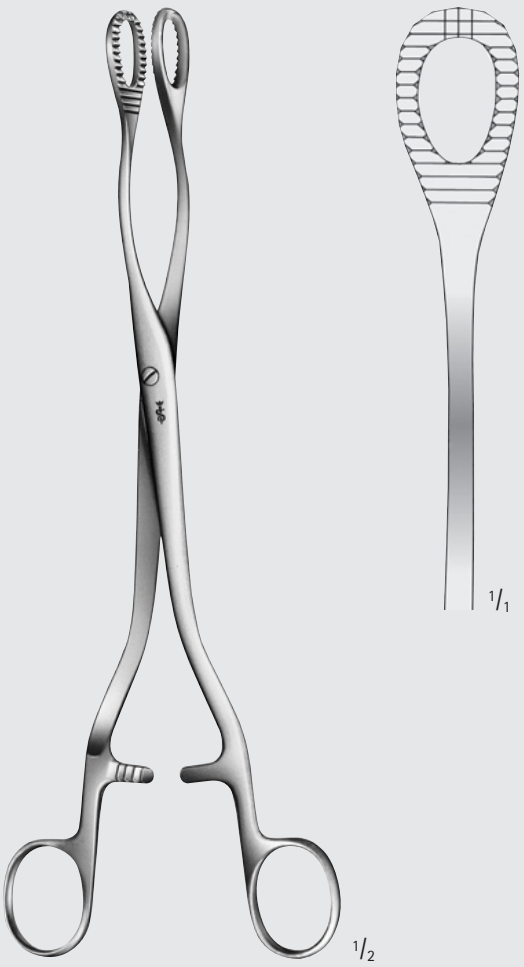
200 mm, 8"

HEYWOOD-SMITH MODIF.

AN711R

215 mm, 8 1/2"

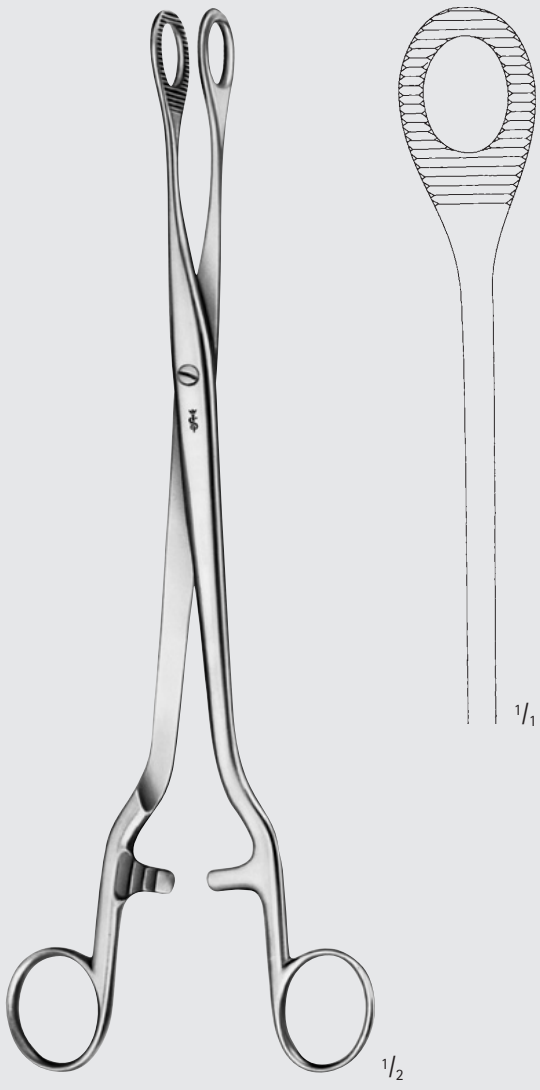




HEYWOOD-SMITH

EO310R

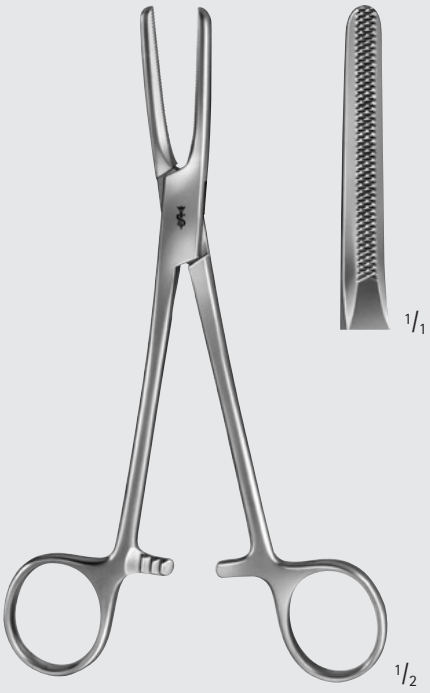
250 mm, 10"



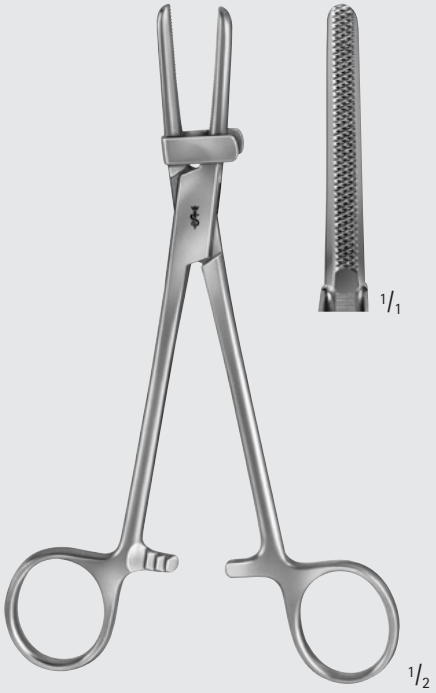
NOTO

EO315R

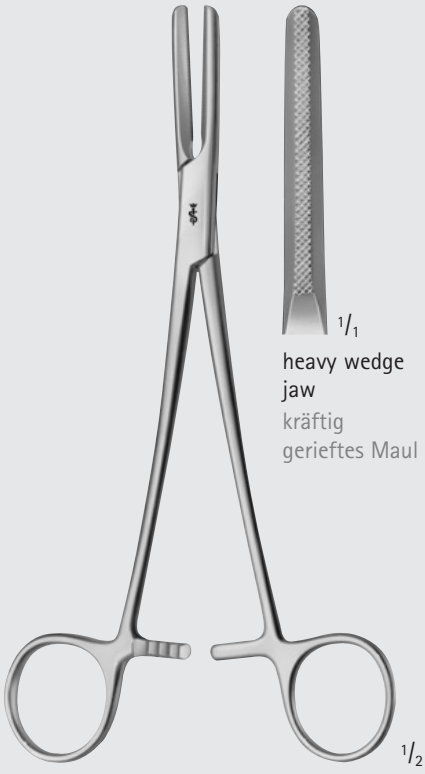
280 mm, 11"



AN912R
180 mm, 7"



AN911R
with guard
mit Bügel
180 mm, 7"



heavy wedge jaw
kräftig gerieftes Maul

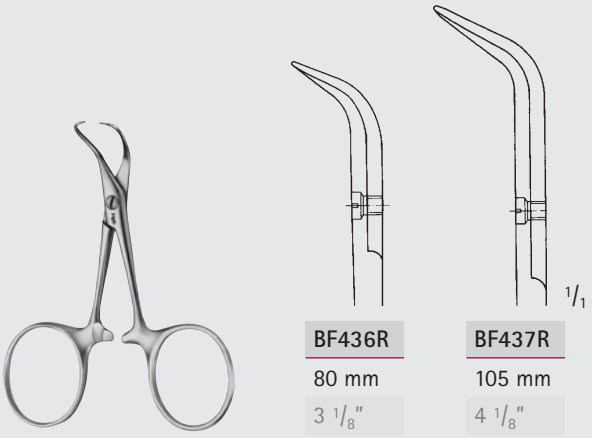
AN913R
200 mm, 8"

MD452R	MD453R	MD454R
150 mm	180 mm	200 mm
6"	7"	8"

MD452R–MD454R

MD652	MD653	MD654
150 mm	180 mm	200 mm
6"	7"	8"

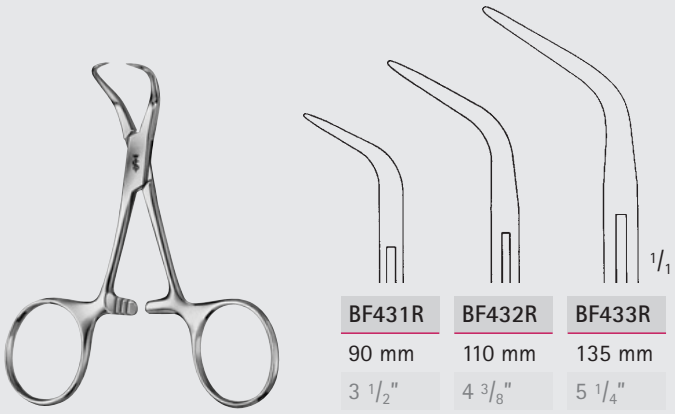
MD652–MD654
with guard
mit Bügel



BACKHAUS

BF436R–BF437R

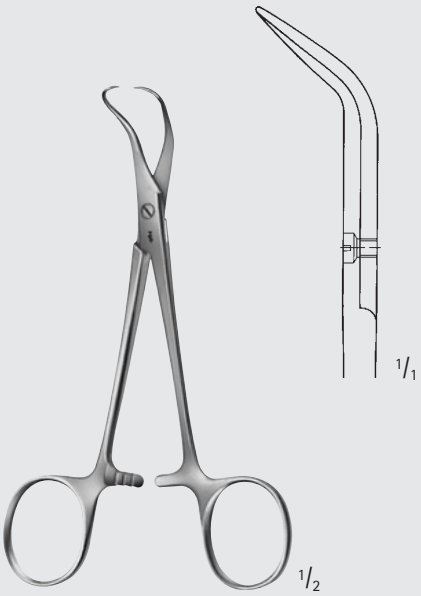
BF436R	BF437R
80 mm	105 mm
3 1/8"	4 1/8"



BACKHAUS

BF431R–BF433R

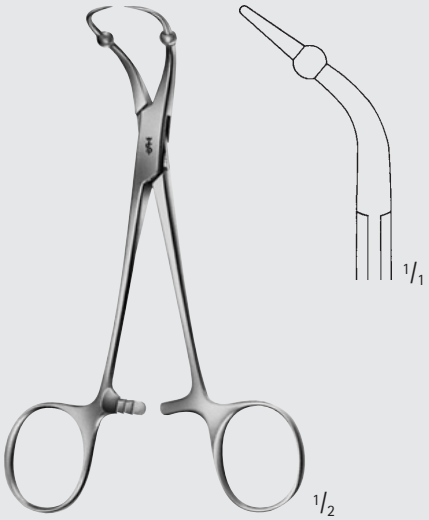
BF431R	BF432R	BF433R
90 mm	110 mm	135 mm
3 1/2"	4 3/8"	5 1/4"



BACKHAUS-KOCHER

BF444R

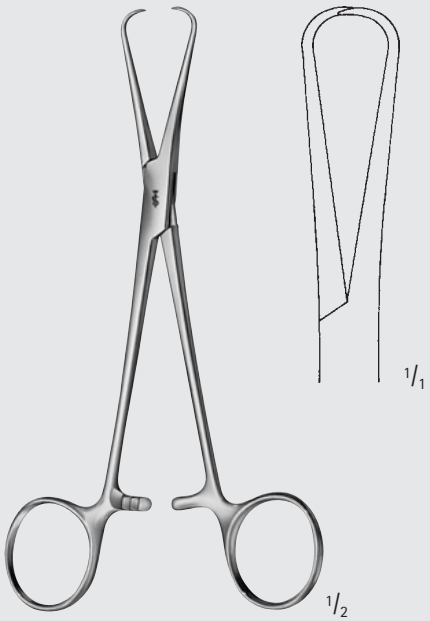
135 mm, 5 1/4"



ROEDER

BF448R

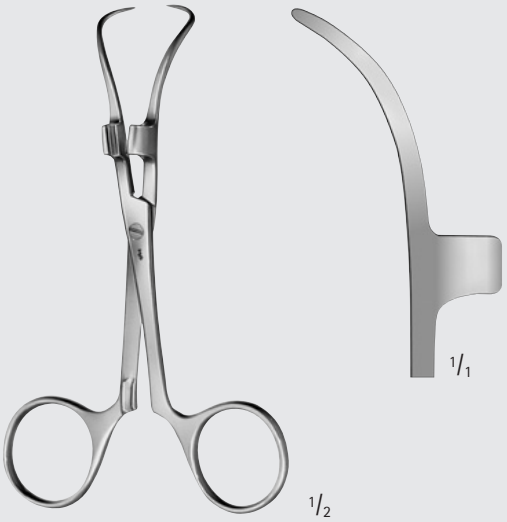
135 mm, 5 1/4"



BERNHARD

BF426R

160 mm, 6 1/4"



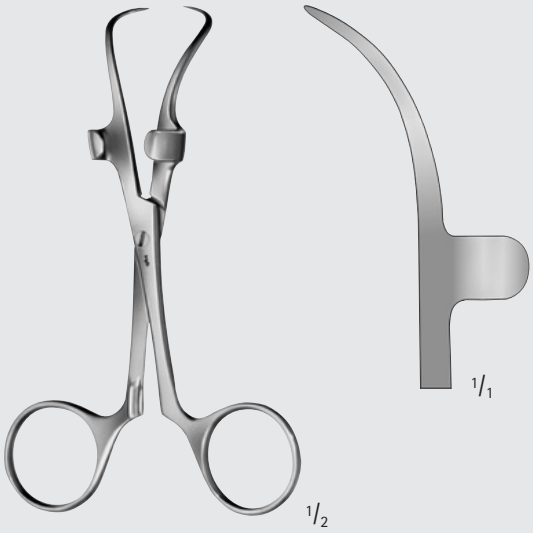
ROBIN

BF439R

with holders
for cable up to 5 mm

mit Kabelhalterung
bis 5 mm Kabelstärke

135 mm, 5 1/4"



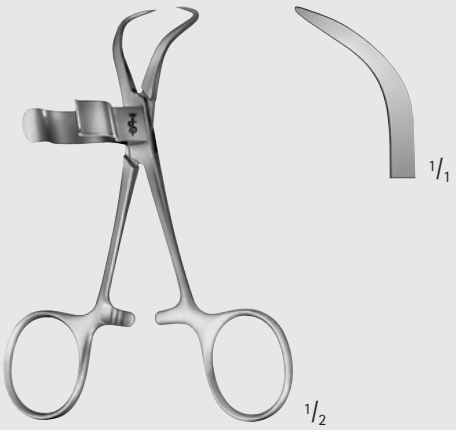
ROBIN

BF440R

with holders
for tubing up to 13 mm

mit Schlauchhalterung
bis 13 mm Schlauchstärke

135 mm, 5 1/4"

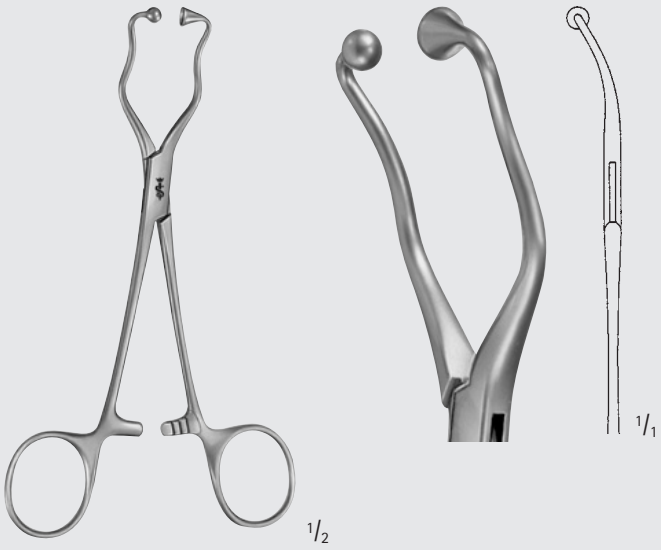


BF442R

with holders
for tubing up to 15 mm

mit Schlauchhalterung bis
15 mm Schlauchstärke

110 mm, 4 3/8"



BF443R

Tube fixation forceps with
atraumatic jaw parts

Doppelschlauch-Fixierklemme
atraumatische Fassfläche

140 mm, 5 1/2"

Especially suitable for HLM
tubes for cardiovascular surgery

Besonders geeignet für HLM-
Schläuche in der Herzchirurgie

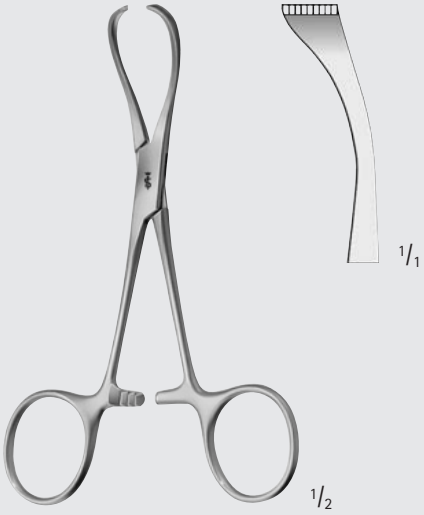
LORNA

BF461R

non-perforating

nicht perforierend

95 mm, 3 3/4"



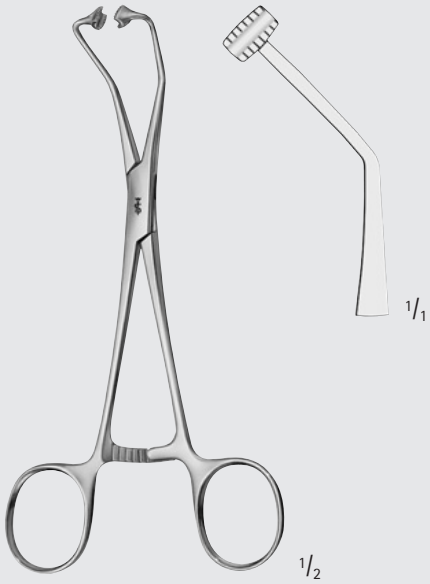
LORNA

BF463R

non-perforating

nicht perforierend

130 mm, 5 1/8"

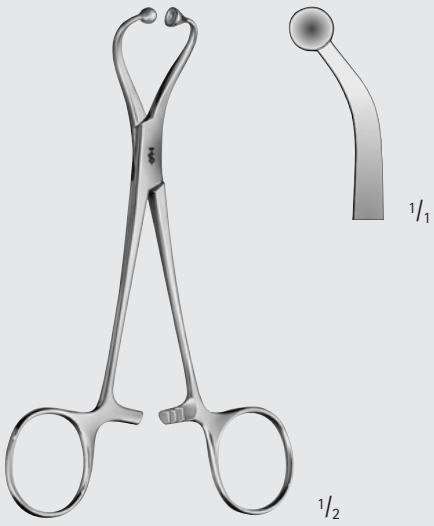


BF460R

for paper cloths

für Papiertücher

150 mm, 6"

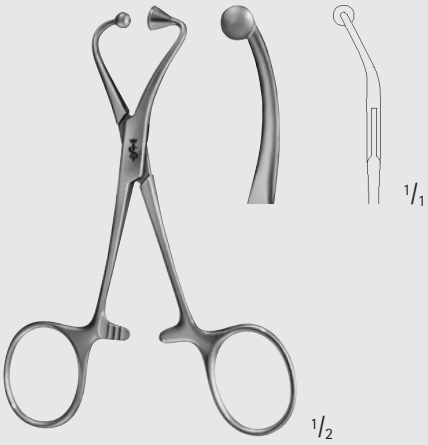


BF464R

for paper cloths

für Papiertücher

140 mm, 5 1/2"

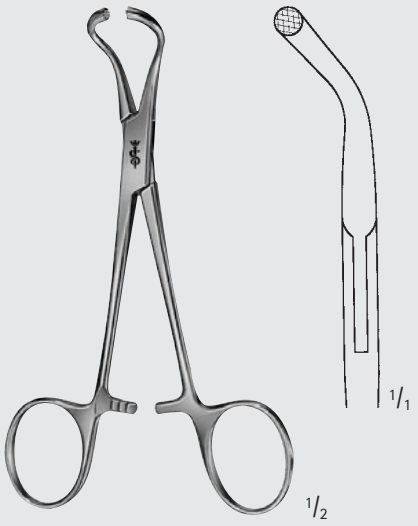


BF465R

for paper cloths

für Papiertücher

115 mm, 4 1/2"

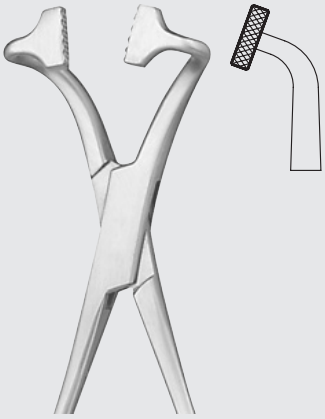


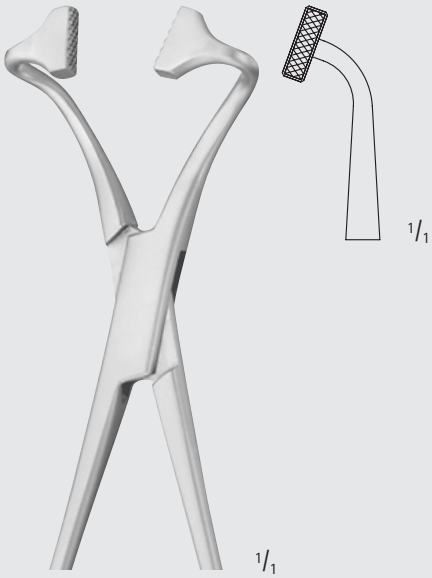
BF466R

for paper cloths

für Papiertücher

135 mm, 5 1/4"





BF458R
100 mm
4"

BF459R
135 mm
5 1/4"

BF458R–BF459R
non-perforating
nicht perforierend

Features

- Prevention of sharp injuries
- Complies with the requirements of TRBA250, 4.2.7
- Safe passing, receiving and disposal
- Simple handling
- Single-handed opening and closing
- Safety lock for disposal
- Stable and precise to handle
- Top quality Aesculap blade

Merkmale

- Vermeidung von Stich- und Schnittverletzungen
- Erfüllt die Anforderungen der TRBA250, 4.2.7
- Sicheres Anreichen, Abnehmen und Entsorgen
- Einfache Handhabung
- Öffnen und Schließen mit einer Hand
- Sichere Verriegelung zur Entsorgung
- Stabil und präzise in der Handhabung
- Aesculap Qualitätsklinge

Passing and receiving – Anreichen und Abnehmen

Transparent blade protector:
- Blade shape is visible
- Position of blade is always evident

Transparenter Klingenschutz:
- Klingenfigur ist sichtbar
- Position der Klinge jederzeit erkennbar

Single-hand operation

Einhandbedienung

Operating – Operieren

Firm guidance for precise incision

Wackelfreie Führung für präzisen Schnitt

Ruler in cm and inches

Lineal in cm und inch

Disposal – Entsorgen

Safety lock for disposal

Sichere Verriegelung zur Entsorgung

BA810SU–BA836SU

Sales unit:
PAK = Package of 10 pieces
Bestelleinheit:
PAK = Packung à 10 Stück

BA810SU
Fig. 10

BA811SU
Fig. 11

BA813SU
Fig. 13

BA815SU
Fig. 15

BA815-1SU
Fig. 15-1

BA815-CSU
Fig. 15-C

BA818SU
Fig. 18

BA819SU
Fig. 19

BA820SU
Fig. 20

BA821SU
Fig. 21

BA822SU
Fig. 22

BA823SU
Fig. 23

BA824SU
Fig. 24

BA825SU
Fig. 25

BA836SU
Fig. 36

BA210–BA224 / 5518016–5518105

Sterile scalpels with plastic handle and removable blade protector
Sales unit:
PAK = Package of 10 pieces

Sterilskalpelle mit Kunststoffheft und abnehmbarem Klingenschutz
Bestelleinheit:
PAK = Packung à 10 Stück

Carbon Steel **BA210**
Stainless Steel **5518059**
Fig. 10

BA211
5518040
Fig. 11

BA212
5518105
Fig. 12

BA215
5518032
Fig. 15

BA215-1
Fig. 15-1

BA215-C
Fig. 15-C

BA218
Fig. 18

Carbon Steel BA219
Stainless Steel
Fig. 19

BA220
5518067
Fig. 20

BA221
5518075
Fig. 21

BA222
5518083
Fig. 22

BA223
5518016
Fig. 23

BA224
5518091
Fig. 24

BA311SU–BA323SU

Sales unit:
PAK = Package of 10 pieces
Bestelleinheit:
PAK = Packung à 10 Stück

BA364–BA367

Sales unit:
PAK = Package of 5 pieces
Bestelleinheit:
PAK = Packung à 10 Stück

BA311SU
Fig. 11
230 mm, 9"

BA323SU
Fig. 23
230 mm, 9"

1/1

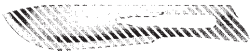
BA364
165 mm, 6 1/2"

1/1

BA365
165 mm, 6 1/2"

1/1

BA367
165 mm, 6 1/2"



For blades fig.10 - 15 and fig. 40, 42
Für Klingen Fig. 10 - 15 und Fig. 40, 42

BARRON
BB068R
130 mm, 5 1/8"
1/1

BB073R
No. 3
125 mm, 5"
1/1

BB074R
No. 3
with cm / inch scale
cm / inch graduiert
125 mm, 5"
1/1

BB075R
No. 3 L
210 mm, 8 1/4"
1/1

For blades fig.10 - 15 and fig. 40, 42
Für Klingen Fig. 10 - 15 und Fig. 40, 42

BB175R
No. 3 XL
250 mm, 10"

BB177R

BB176R
12°

BB178R
25°

1/1

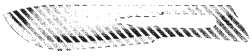
BARRÉ

BB176R–BB178R
No. 3 XL
250 mm, 10"

1/1

corresponds with english No. 5
entspricht der englischen No. 5

BB077R
No. 7
160 mm, 6 1/4"



For blades fig. 10 - 15 and fig. 40, 42
Für Klingen Fig. 10 - 15 und Fig. 40, 42

BB078R
225 mm, 9"

BB079R
225 mm, 9"

BB071R
210 mm, 8 1/4"

BB070R
155 mm, 6"

For blades fig. 18 - 36
Für Klingen Fig. 18 - 36

1/1

BB084R
No. 4
135 mm, 5 1/4"

1/1

BB085R
No. 4 L
215 mm, 8 1/2"

BB087R
No. 4 XL
250 mm, 10"

BB080R
No. 4
225 mm, 9"

1/1

BB088R
No.8
130 mm, 5 1/8"

1/1

BB089R
145 mm, 5 3/4"

heat-treated in vacuum
vakuum vergütet

sterile
steril

BB510–BB542
1660492–16615492

fitting handles on
pages 483 - 485
Sales unit:
PAK = Package of 100 pieces
in dispenser package
passend zu den Griffen
auf Seite 483 - 485
Bestelleinheit:
PAK = Packung à 100 Stück
in Spenderpackung

1/1

Fig. 10

Carbon Steel **BB510**
Stainless Steel **16600495**

1/1

Fig. 11

BB511
16600509

1/1

Fig. 12

BB512
16600517

1/1

Fig. 13

BB513
16615492

1/1

Fig. 15

BB515
16600525

1/1

Fig. 15-1

BB515-1

1/1

Fig. 15-C

BB515-C

1/1

Fig. 40

BB540
double cutting
doppelschneidig

1/1

Fig. 42

BB542
double cutting
doppelschneidig

Carbon Steel
Stainless Steel

heat-treated in vacuum
vakuum vergütet

sterile
steril

BB518–BB536
1160541–16616634

fitting handles on
pages 486
Sales unit:
PAK = Package of 100 pieces
in dispenser package
passend zu den Griffen
auf Seite 486
Bestelleinheit:
PAK = Packung à 100 Stück
in Spenderpackung

1/1

Fig. 18

Carbon Steel **BB518**
Stainless Steel **16600541**

1/1

Fig. 19

BB519
16615514

1/1

Fig. 20

BB520
16600550

1/1

Fig. 21

BB521
16600568

1/1

Fig. 22

BB522
16600576

1/1

Fig. 23

BB523
16600584

1/1

Fig. 24

BB524
16600592

1/1

Fig. 25

BB525
16616634

1/1

Fig. 36

BB536
16615522

Carbon Steel
Stainless Steel

1/1

Carbon Steel **BB500**
Stainless Steel **16600487**
Stitch-cutter
Fadenmesser

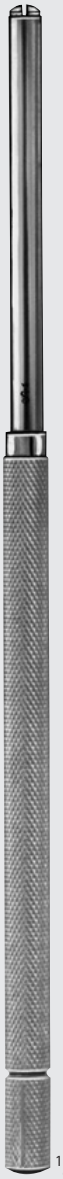
Sales unit:
PAK = Package of 100 pieces
Bestelleinheit:
PAK = Packung à 100 Stück

1/1

BB045T
145 mm, 5 3/4"

1/1

BB046R
135 mm, 5 1/4"



1/1

BB048R
155 mm, 6"

1/1

CASPAR
BB052R
180 mm, 7"

1/1

BB054R
200 mm, 8"

2/3

BB060R
330 mm, 13"

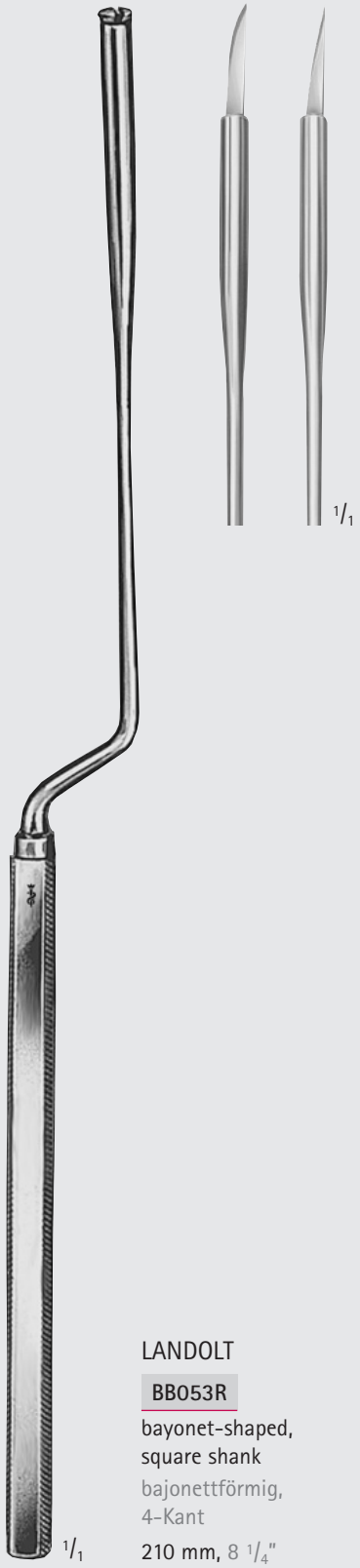
LANDOLT

BB057R

bayonet-shaped, round

bajonettförmig, rund

250 mm, 10"



LANDOLT

BB053R

bayonet-shaped, square shank

bajonettförmig, 4-Kant

210 mm, 8 1/4"

stainless steel

sterile steril

1/1

YASARGIL

BB331R

Arachnoid blade, diam. 1.5 mm
Sales unit:
PAK = Package of 10 pieces

Tellermesser, Ø 1,5 mm
Bestelleinheit
PAK = Packung à 10 Stück

1/1

YASARGIL

BB332R

Arachnoid blade, diam. 2.5 mm
Sales unit:
PAK = Package of 10 pieces

Tellermesser, Ø 2,5 mm
Bestelleinheit
PAK = Packung à 10 Stück

1/1

BB361R

PAK =
Package of 10 pieces
Packung à 10 Stück

1/1

BB362R

PAK =
Package of 10 pieces
Packung à 10 Stück

1/1

BB363R

ST =
Package of 1 piece
Packung à 1 Stück

1/1

BB364R

PAK =
Package of 10 pieces
Packung à 10 Stück

1/1

BB365R

PAK =
Package of 10 pieces
Packung à 10 Stück

1/1

BB366R

ST =
Package of 1 piece
Packung à 1 Stück

1/1

BB367R

PAK =
Package of 10 pieces
Packung à 10 Stück

1/1

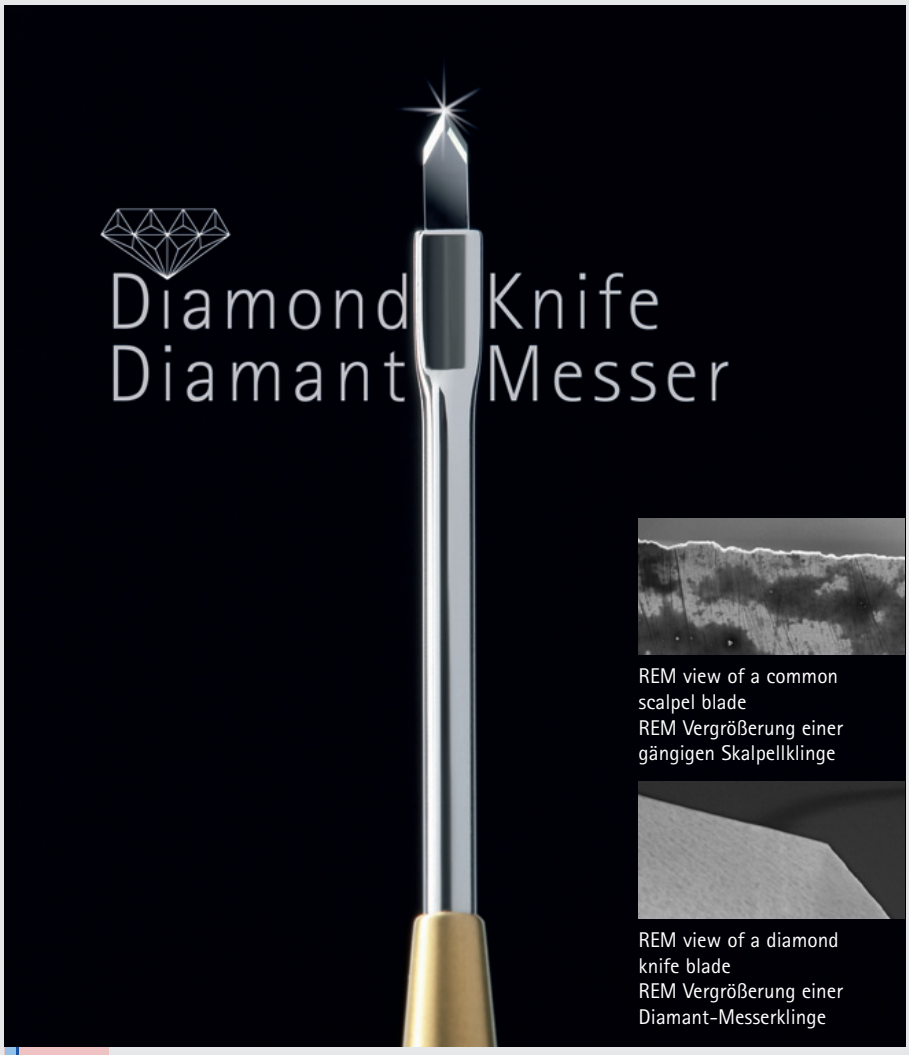
BB368R

PAK =
Package of 10 pieces
Packung à 10 Stück

1/1

BB369R

ST =
Package of 1 piece
Packung à 1 Stück



REM view of a common scalpel blade
REM Vergrößerung einer gängigen Skalpellklinge

REM view of a diamond knife blade
REM Vergrößerung einer Diamant-Messerklinge

- Blade made of natural diamond
  Klinge aus Naturdiamant
- Superior mechanical stability and elasticity of the blade
  Hohe mechanische Stabilität und Elastizität der Klinge
- Sustained sharpness
  Lang anhaltende Schärfe
- Excellently clean, precise and force-free incisions
  Hochgradig saubere, präzise und kraftlose Schnitte
- Protection mechanism for safe storage of the blade inside the handle
  Schutzmechanismus zur sicheren Lagerung der Schneideklinge im Griff
- Color coded TITANIUM handles
  Kodierung durch farbige TITANIUM-Handgriffe
- Four different cutting geometries:
  - round, retrograde, wedge or lancet blade

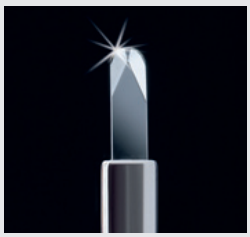
  Vier verschiedene Schneidegeometrien:
  - Rund-, Retrograd-, Keil-, und Lanzettenklinge

Diamond knives

- Due to the properties of their unique blade material, diamond knives offer excellent cutting characteristics for highly clean, precise and force-free incisions especially in cardiovascular and thoracic surgery.

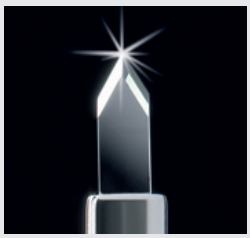
Diamantmesser

- Diamantmesser haben aufgrund ihrer Materialeigenschaften hervorragende Schneideeigenschaften, welche sich insbesondere im Einsatz in der Herz-, Thorax- und Gefäßchirurgie durch hochgradig saubere, präzise und kraftlose Schnitte auszeichnen.



FD113D
Round blade,
gold-colored, 7 facets
Rund-Klinge,
Gold, 7 Facetten
205 mm, 8"
1/1

FD115D 45°
Wedge blade,
black
Keil-Klinge,
Schwarz
205 mm, 8"
1/1



FD116D 60°
Lancet blade,
bronze-colored
Lanzetten-Klinge,
Bronze
205 mm, 8"
1/1

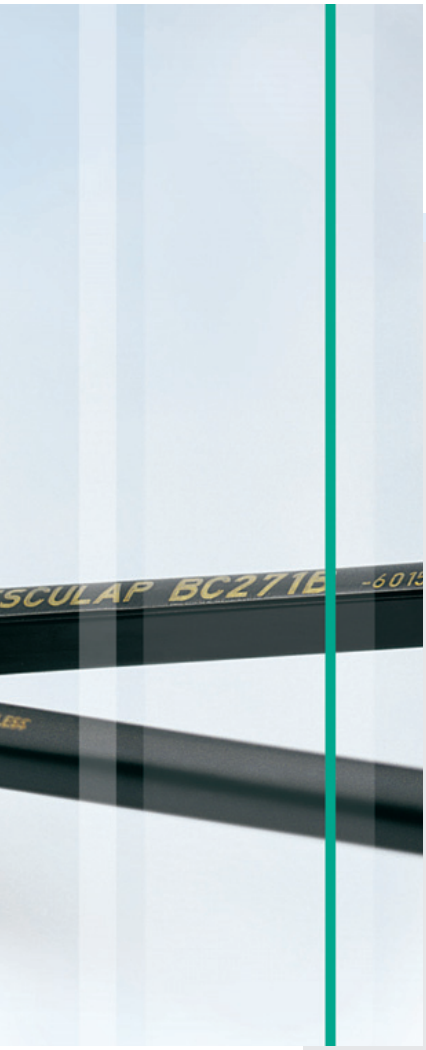
The special qualities of the Noir® dissecting scissors allow dissection that is finer than ever before. NOIR®. Gentle dissection with minimum use of force.

- Soft but sharp.
- Power with minimum force.
- Pure performance.

Die speziellen Eigenschaften der Noir® Präparierscheren ermöglichen ein Präparieren noch feiner und sicherer als je zuvor.
NOIR®. Schonendes Präparieren mit minimalem Kraftaufwand.

- Sanfte Schärfe.
- Stärke die kaum Kraft braucht.
- Wirkung pur.

AESCULAP Noir®



For further details see brochure No. **C09211.**

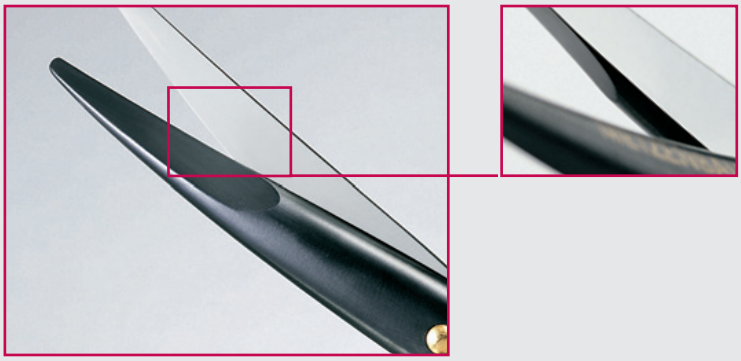
Weitere Informationen finden Sie in unserem Prospekt **C09211.**

Noir®

The combination of the renowned Aesculap tungsten carbide technology with the Aesculap NOIR® coating results in an extremely high surface hardness and therefore high wear resistance in daily hospital use.

Noir®

Die Verbindung der bewährten Aesculap Hartmetall Technologie mit der Aesculap Noir® Beschichtung führt zu einer extrem hohen Oberflächenhärte. NOIR®. Die Präparierscheren mit der hohen Verschleißbeständigkeit im täglichen Klinikeinsatz.



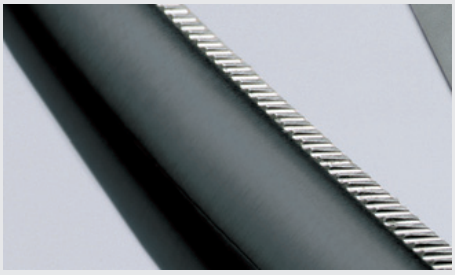
Microtome edge - the extremely sharp cutting edge of the scissors blade facilitates gentle cutting of tissue with minimal use of force.

Mikrotomschliff - besonders scharfer Anschliff des Scherenblattes für sanftes Durchtrennen des Gewebes bei minimalem Kraftaufwand.

Wavecut prevents tissue from slipping out during the cutting process.

Wellenschliff verhindert das Herausgleiten des Gewebes während des Schneidens.

MILLIMETERS



Wavecut prevents tissue from slipping out during the cutting process
Wellenschliff verhindert das Herausgleiten des Gewebes während des Schneidens

»grazil«
very delicate design
besonders schlankes Design

BC210B
straight
gerade

BC211B
curved
gebogen

BC211WB
W
curved
gebogen

BC210B–BC211WB
110 mm, 4 3/8"

BC257B
curved
gebogen

BC257WB
W
curved
gebogen

BC257B–BC257WB
115 mm, 4 1/2"

BABY-METZENBAUM

BC259B
curved
gebogen

BC259WB
W
curved
gebogen

BC259B–BC259WB
145 mm, 5 3/4"

Scissors
Scheren

INCHES

1/1

BC261B
curved
gebogen

BC261WB
curved
gebogen

1/2

METZENBAUM

BC261B–BC261WB

145 mm, 5 3/4"

1/1

BC263B
curved
gebogen

BC263WB
curved
gebogen

BC271B
curved
gebogen

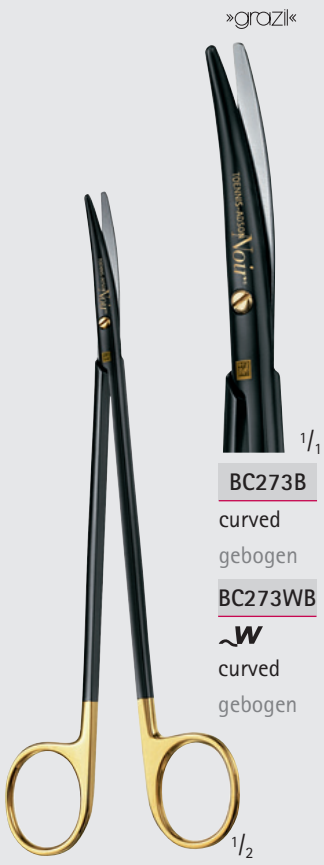
BC271WB
curved
gebogen

1/2

METZENBAUM

BC263B–BC271WB

180 mm, 7"



1/1

BC273B
curved
gebogen

BC273WB
curved
gebogen

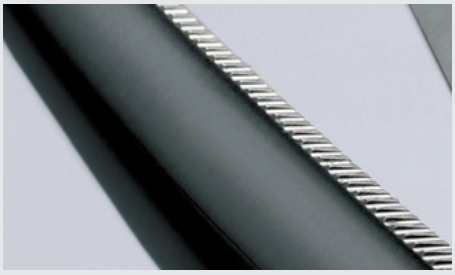
1/2

TÖNNIS-ADSON

BC273B–BC273WB

175 mm, 7"

MILLIMETERS



Wavecut prevents tissue from slipping out during the cutting process
Wellenschliff verhindert das Herausgleiten des Gewebes während des Schneidens

»grazil«
very delicate design
besonders schlankes Design

BC265B	BC275B
curved gebogen	curved gebogen
BC265WB	**BC275WB**
Wcurved gebogen	Wcurved gebogen

METZENBAUM

BC265B–BC275WB

200 mm, 8"

BC252B	BC253B
straight gerade	curved gebogen
	BC253WB
	Wcurved gebogen

MAYO

BC252B–BC253WB

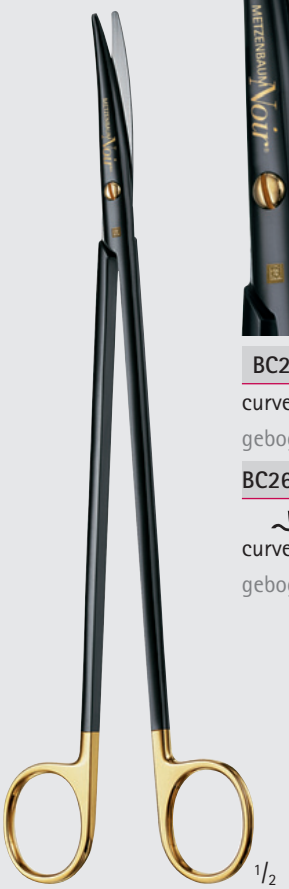
170 mm, 6 3/4"

BC284B	BC283B
curved gebogen	curved gebogen
BC284WB	**BC283WB**
Wcurved gebogen	Wcurved gebogen

MAYO-LEXER LEXER

BC284B–BC283WB

165 mm, 6 1/2"



BC267B
curved
gebogen
BC267WB
curved
gebogen

BC277B
curved
gebogen
BC277WB
curved
gebogen

1/1

1/2

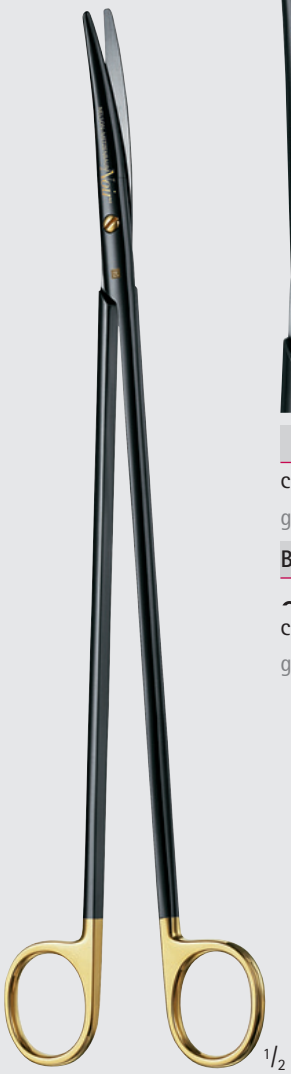
METZENBAUM
BC267B–BC277WB
230 mm, 9"

BC279B
curved
gebogen
BC279WB
curved
gebogen

1/1

1/2

NELSON-METZENBAUM
BC279B–BC279WB
260 mm, 10 1/4"



BC281B
curved
gebogen
BC281WB
curved
gebogen

1/1

1/2

NELSON-METZENBAUM
BC281B–BC281WB
280 mm, 11"

DUROTIP® Scissors
with inserted carbide cutting edges
- 3 years guarantee!
- Excellent cutting accuracy
- Long working life
- Gold-plated rings

DUROTIP®-Scheren
mit eingesetzten Hartmetall-Schneiden
- 3 Jahre Garantie!
- Hervorragende Schnitthaltigkeit
- Lange Lebensdauer
- Vergoldete Ringe

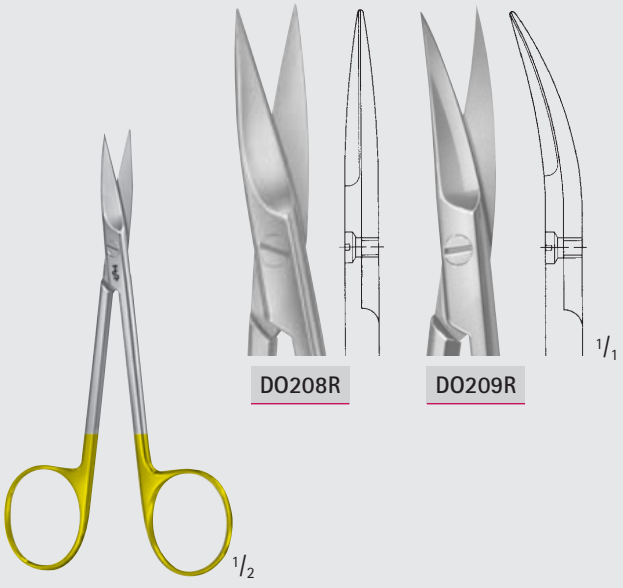
BC210R | BC211R

BC210R-BC211R
Ligature scissors
Fadenscheren
110 mm, 4 3/8"

1 blade serrated
1 Schneide gezahnt

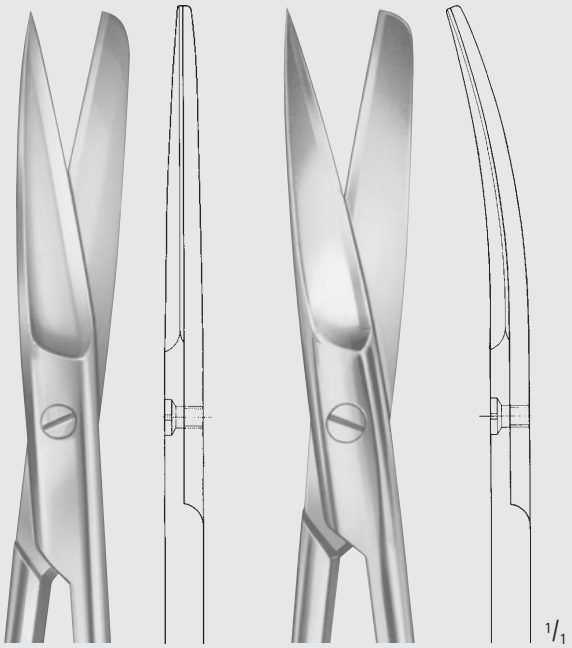
GOLDMAN-FOX

DO250R
130 mm, 5 1/8"



DO208R | DO209R

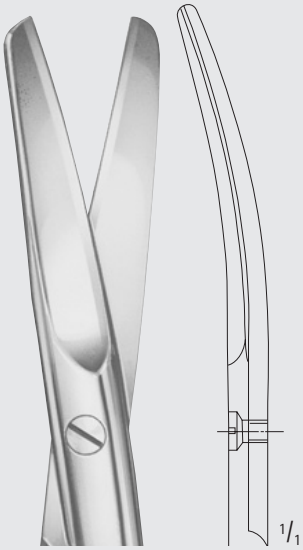
DO208R-DO209R
120 mm, 4 3/4"



BC224R

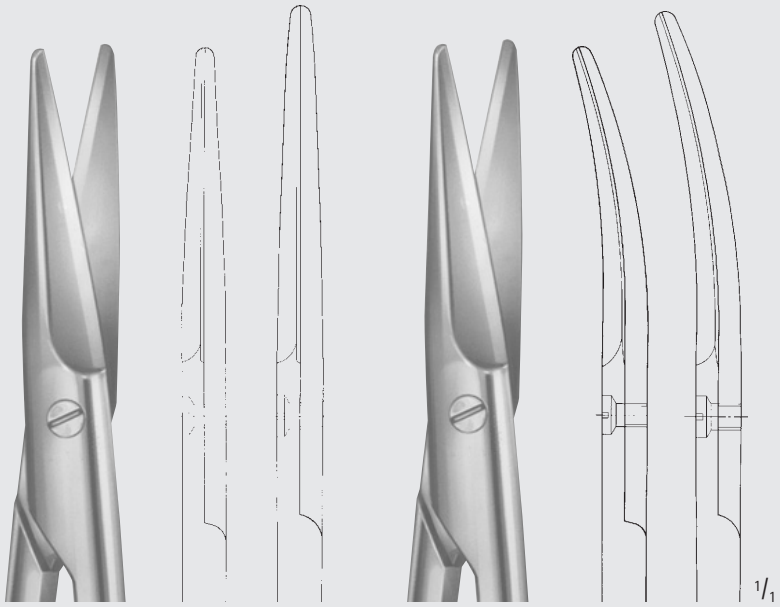
BC234R

BC224R–BC234R
145 mm, 5 3/4"



BC231R
145 mm, 5 3/4"

BC228R
145 mm, 5 3/4"



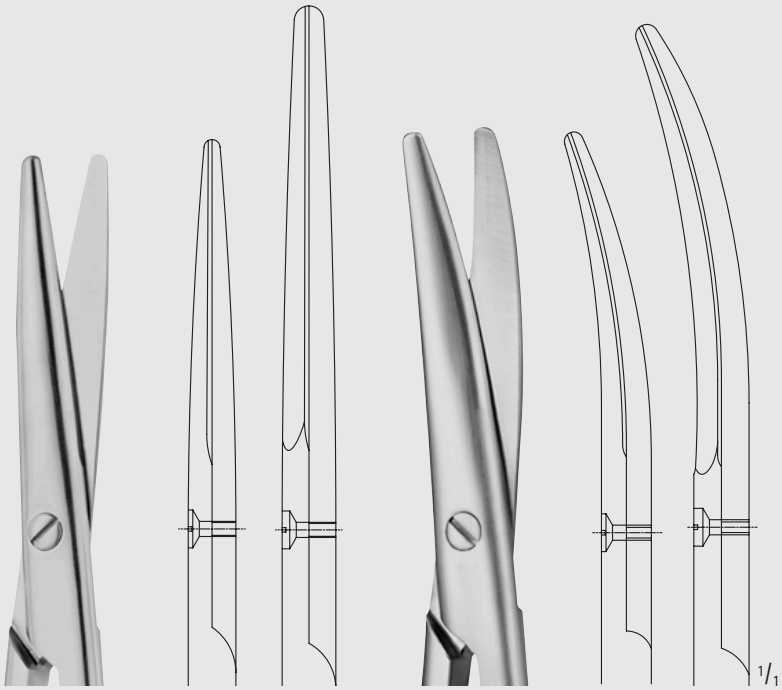
BC250R	BC252R
140 mm	170 mm
5 1/2"	6 3/4"

BC251R	BC253R
140 mm	170 mm
5 1/2"	6 3/4"

1/1

MAYO

BC250R–BC253R



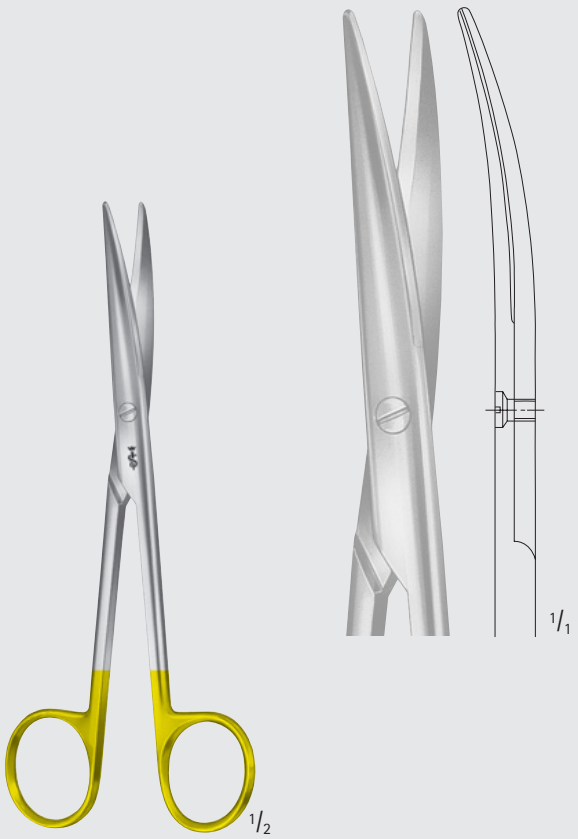
BC242R	BC558R
170 mm	230 mm
6 3/4"	9"

BC243R	BC559R
170 mm	230 mm
6 3/4"	9"

1/1

MAYO

BC242R–BC559R



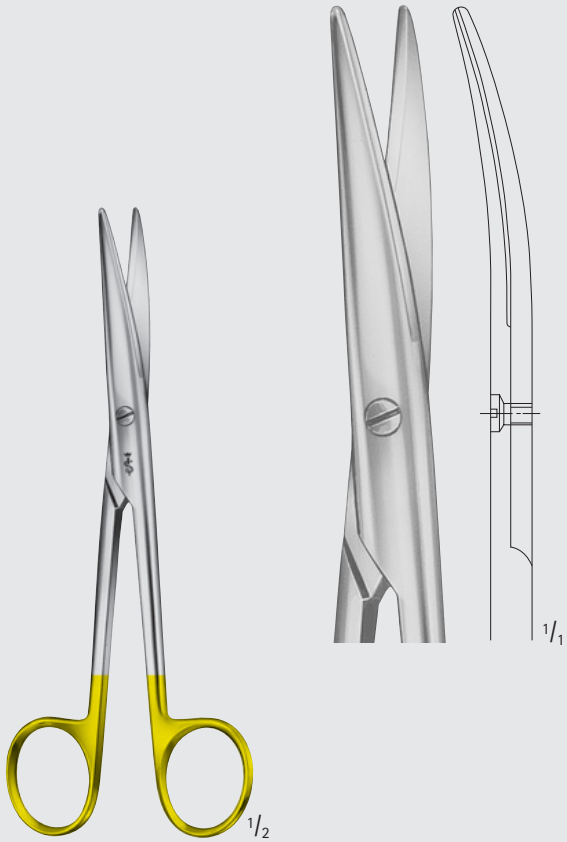
LEXER

BC283R

narrow

schmal

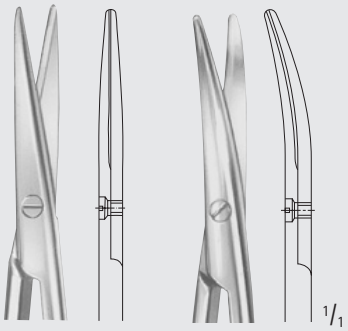
165 mm, 6 1/2"



MAYO-LEXER

BC284R

165 mm, 6 1/2"

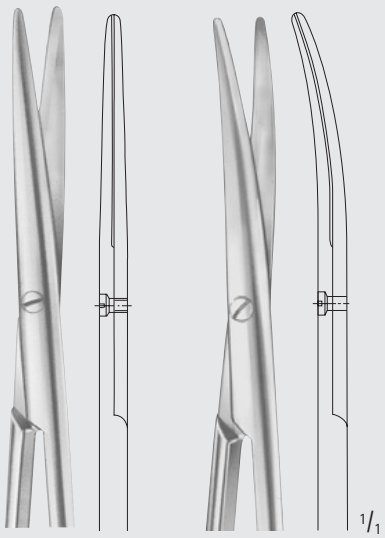


BC256R

BC257R

BC256R–BC257R

115 mm, 4 1/2"



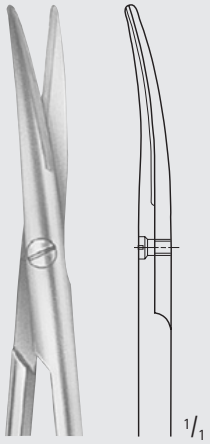
BC258R

BC259R

BABY-METZENBAUM

BC258R–BC259R

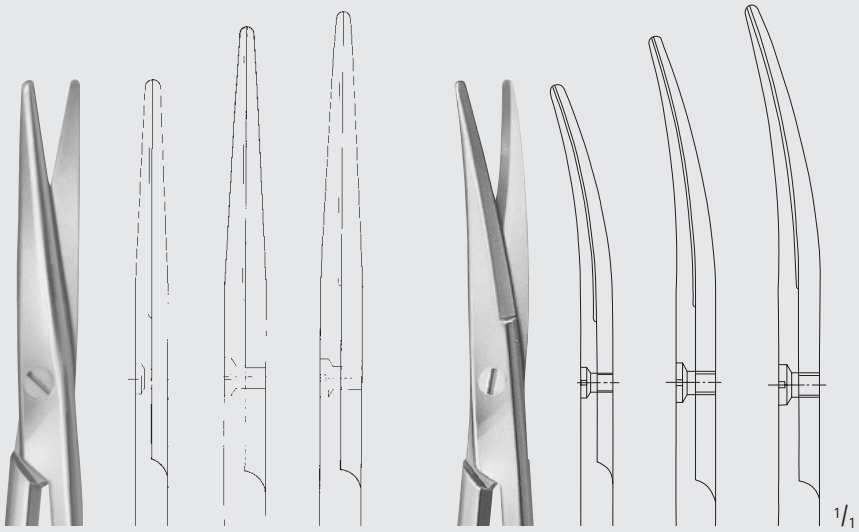
145 mm, 5 3/4"



TÖNNIS-ADSON

BC273R

175 mm, 7"



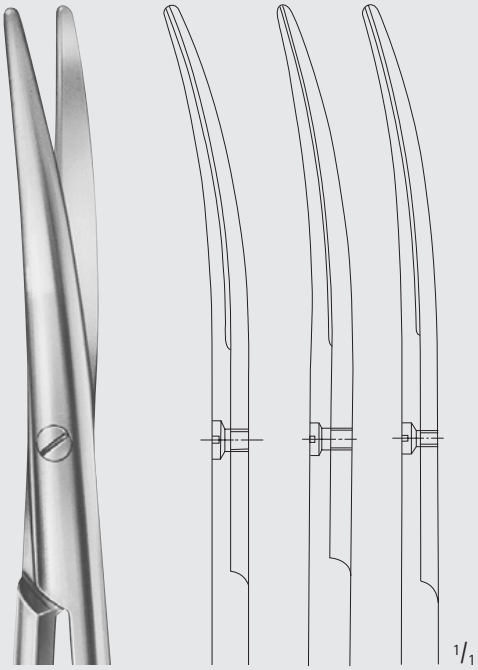
BC270R	BC274R	BC276R
180 mm	200 mm	230 mm
7"	8"	9"

BC271R	BC275R	BC277R
180 mm	200 mm	230 mm
7"	8"	9"

1/1

METZENBAUM

BC270R–BC277R

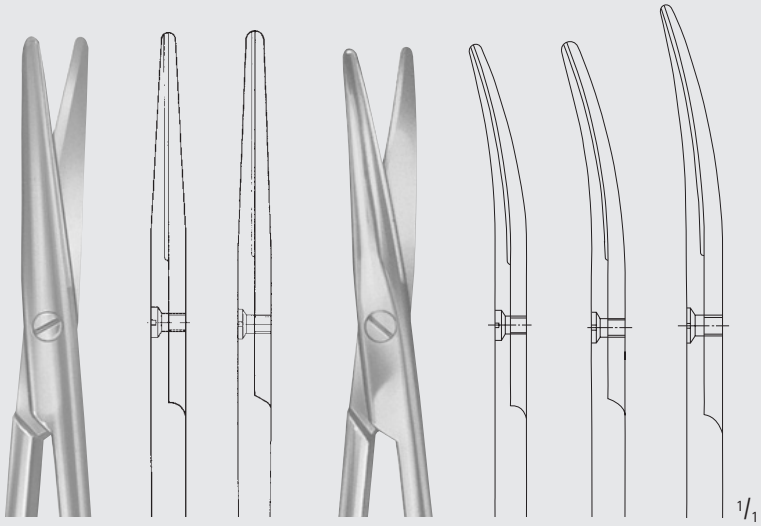


BC279R	BC281R	BC282R
260 mm	280 mm	285 mm
10 1/4"	11"	11 1/4"

1/1

NELSON-METZENBAUM

BC279R–BC282R

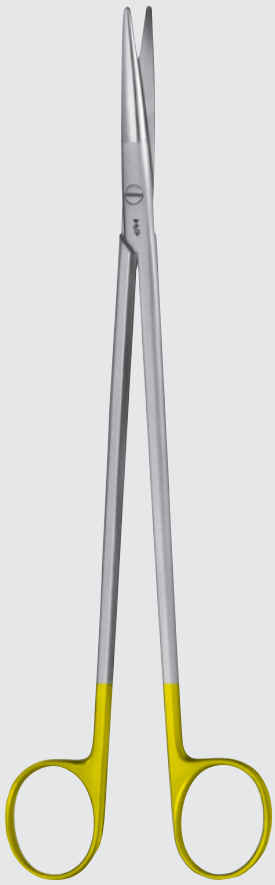


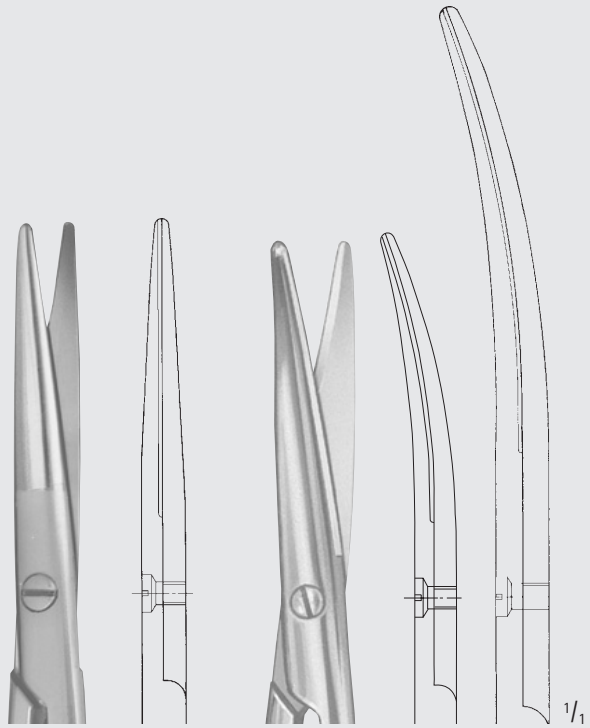
BC260R	BC262R	BC261R	BC263R	BC265R
145 mm	180 mm	145 mm	180 mm	200 mm
5 3/4"	7"	5 3/4"	7"	8"

1/1

METZENBAUM

BC260R–BC265R



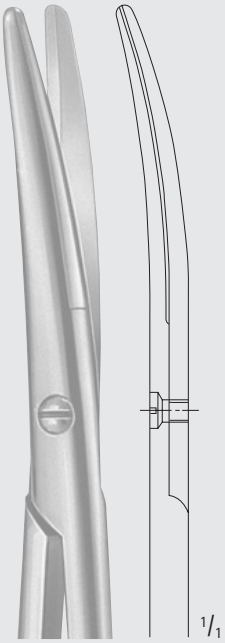


BC266R	BC267R	BC289R
230 mm	230 mm	300 mm
9"	9"	12"

1/1

NELSON-METZENBAUM (MC INDOE)

BC266R–BC289R



1/2

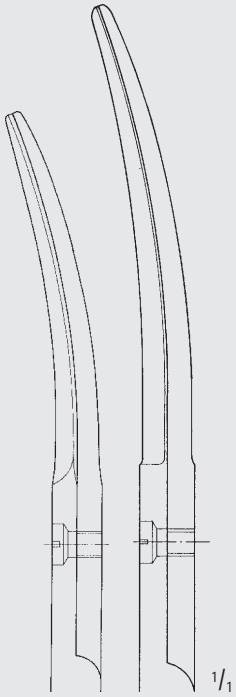
1/1

broad blade ends
breite Blattenden

METZENBAUM

BC287R

230 mm, 9"



1/1

BC290R	BC291R
200 mm	230 mm
8"	9"

SIMS

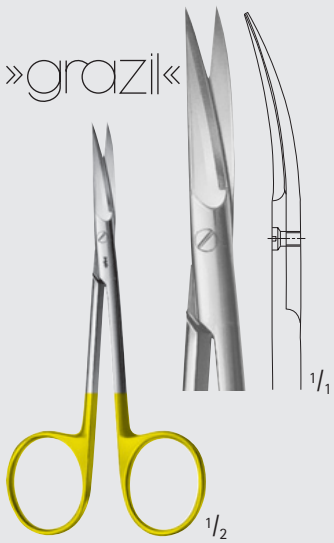
BC290R–BC291R

Wavecut
prevents tissue
from slipping out

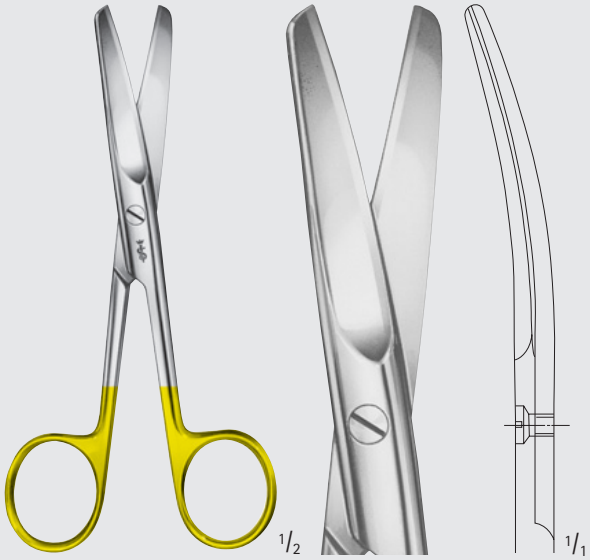
Wellenschliff
verhindert das Herausgleiten
des Gewebes

W directly after the catalog number indicates that the resp. item has one serrated cutting edge. (When ordering please indicate together with the catalog number e.g. BC211W)

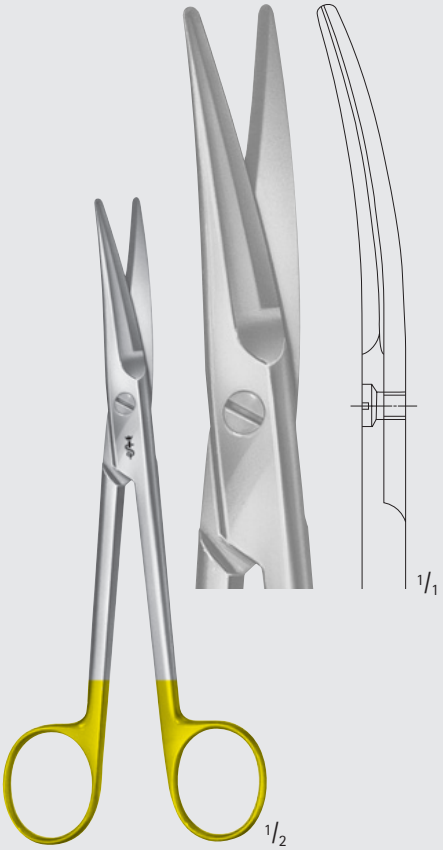
Artikel mit dem Zusatz **W** sind auf einer Schnittfläche mit Wellenschliff versehen (bei Bestellungen bitte angeben - z.B. BC211W)



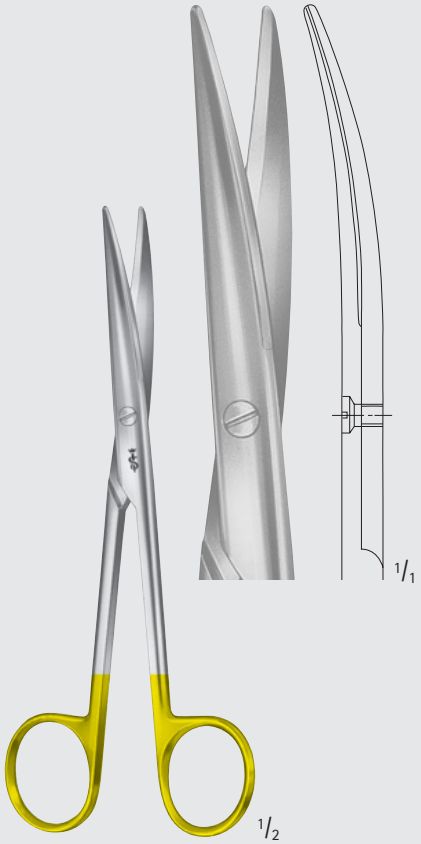
BC211W
Ligature scissors
Fadenschere
110 mm, 4 3/8"



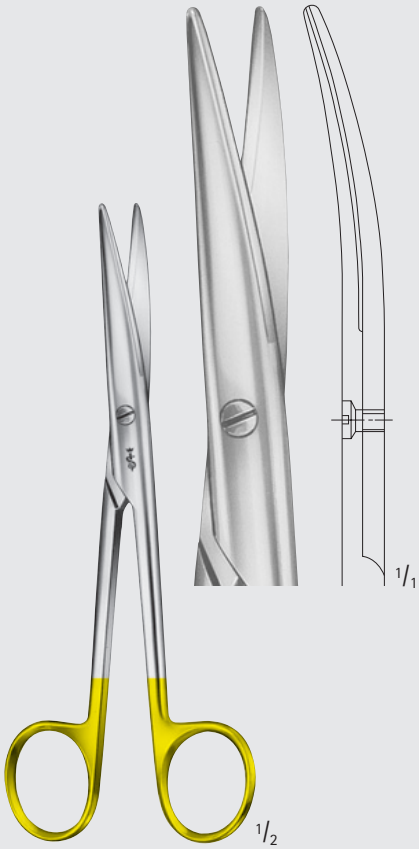
BC231W
Surgical scissors
Chirurgische Schere
145 mm, 5 3/4"



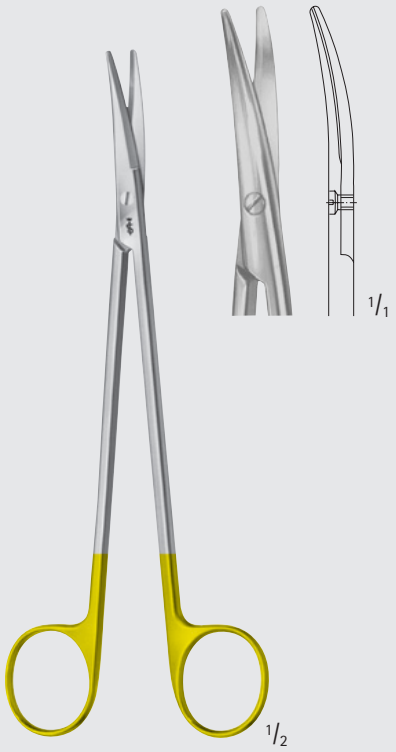
MAYO
BC253W
170 mm, 6 3/4"



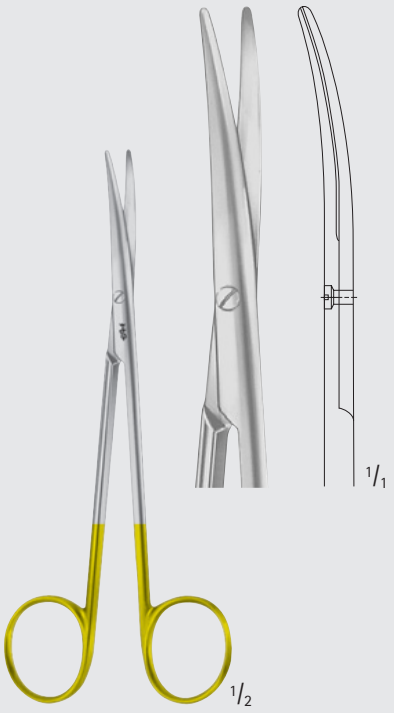
LEXER
BC283W
slender
schmal
165 mm, 6 1/2"



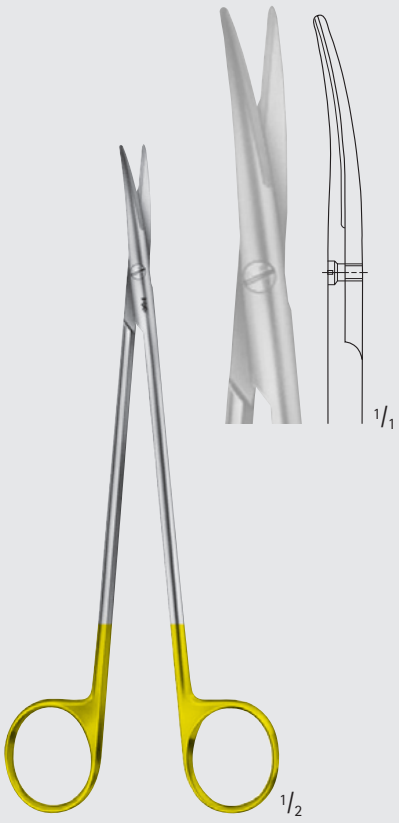
MAYO-LEXER
BC284W
165 mm, 6 1/2"



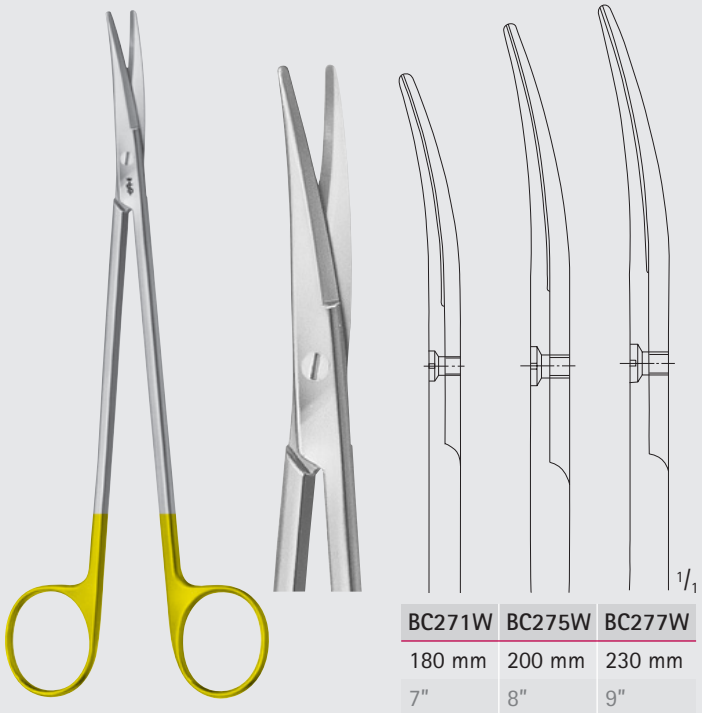
BC257W
115 mm, 4 1/2"



BABY-METZENBAUM
BC259W
145 mm, 5 3/4"

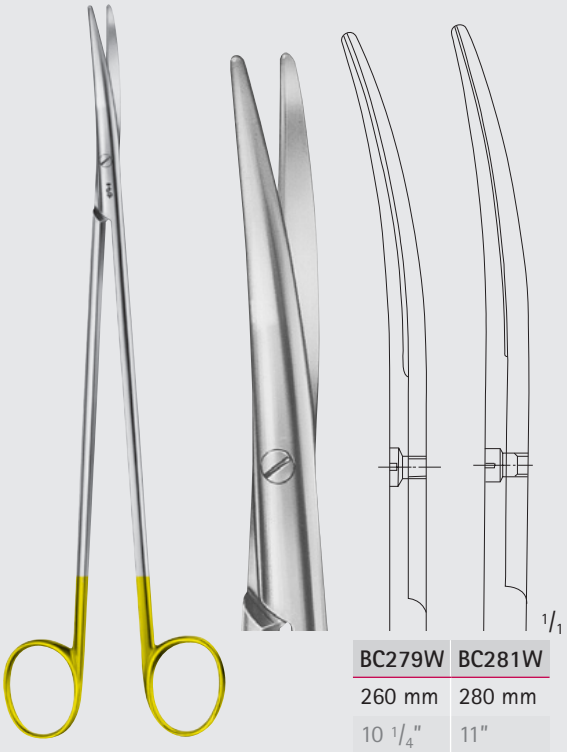


TÖNNIS-ADSON
BC273W
175 mm, 7"



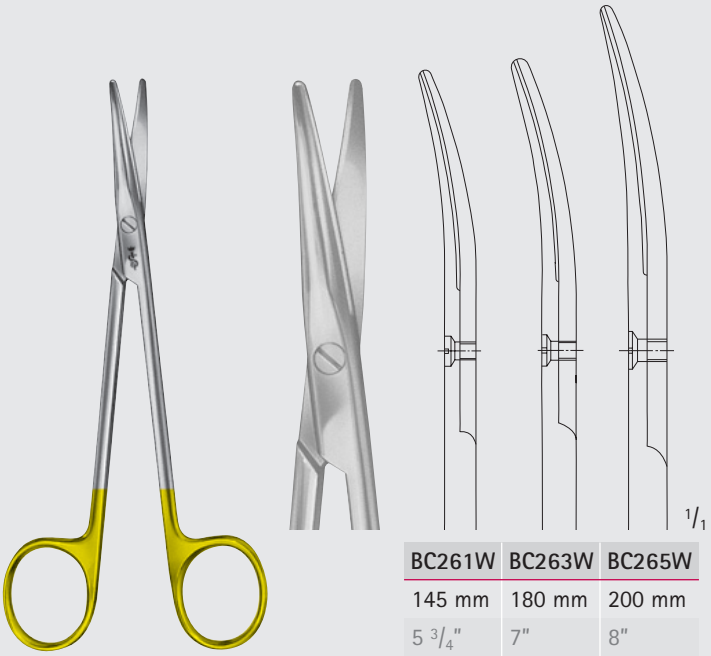
BC271W	BC275W	BC277W
180 mm	200 mm	230 mm
7"	8"	9"

METZENBAUM
BC271W–BC277W



BC279W	BC281W
260 mm	280 mm
10 1/4"	11"

NELSON-METZENBAUM
BC279W–BC281W



BC261W	BC263W	BC265W
145 mm	180 mm	200 mm
5 3/4"	7"	8"

METZENBAUM

BC261W–BC265W

NELSON-METZENBAUM

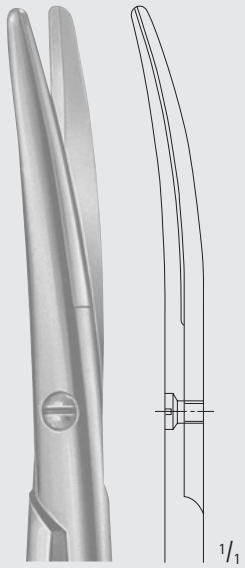
BC267W

230 mm, 9"

METZENBAUM

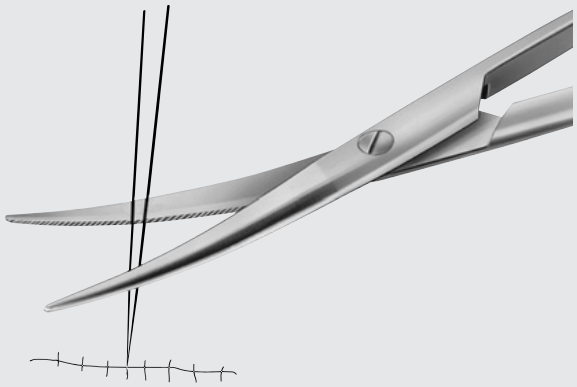
BC287W

230 mm, 9"



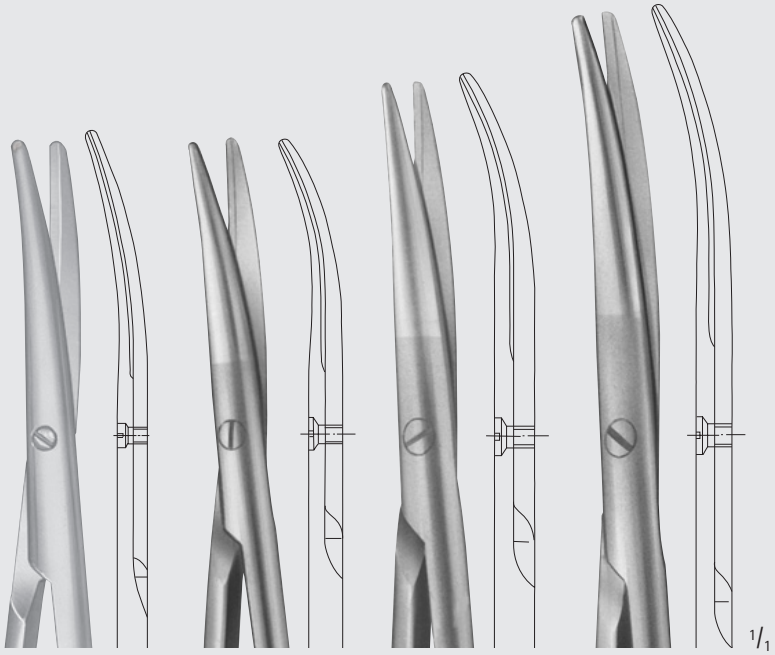
broad blade ends

breite Blattenden



especially for cutting suture materials
- Carbide inserts guarantee permanent sharp cutting edge (also in the distal area of the blades)
- Wavecut prevents suture materials from slipping out
- DUROTIP® ligature scissors are identified by
  - 1 goldplated ring

speziell zum Schneiden von Nahtmaterial
- Hartmetalleinlagen gewähren dauerhafte Schnittschärfe (auch im distalen Bereich der Scherenblätter)
- der Spezial-Wellenschliff verhindert das Abgleiten des Nahtmaterials
- DUROTIP® Ligaturscheren sind gekennzeichnet mit
  - 1 vergoldeten Ring



1/1

BC294W	BC295W	BC296W	BC297W
145 mm	180 mm	230 mm	260 mm
5 3/4"	7"	9"	10 1/4"

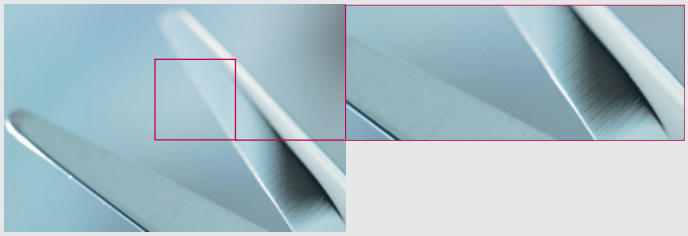
BC294W-BC297W

Supercut Scissors
- 1 Cutting blade with sharp Microtome edge
- 1 Cutting blade with ~Wavecut
  - Identification:
    Black marked rings, shiny instrument surface

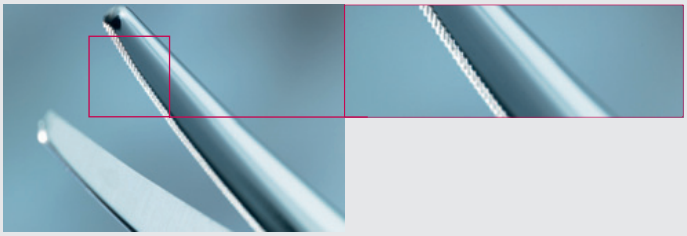
Supercut Scheren
- 1 Schneideblatt mit Mikrotomschliff
- 1 Schneideblatt mit ~Wellenschliff
  - Kennzeichnung:
    Schwarze Ringe, glänzende Oberfläche

Microtome edge
- the extremely sharp cutting edge of the scissors blade facilitates gentle cutting of tissue with minimal use of force

Mikrotomschliff
- besonders scharfer Anschliff des Scherenblattes für sanftes Durchtrennen des Gewebes bei minimalem Kraftaufwand



- ~Wavecut
  prevents tissue from slipping out during the cutting process
- ~Wellenschliff
  verhindert das Herausgleiten des Gewebes während des Schneidens



BC900R BC901R

BC900R-BC901R
110 mm, 4 3/8"

BC903R
125 mm, 5"

BC904R BC905R

STEVENS

BC904R–BC905R

105 mm, 4 1/8"

BC906R BC907R

STEVENS

BC906R–BC907R

110 mm, 4 3/8"

GOLDMAN-FOX

BC909R

130 mm, 5 1/8"

FOMON

BC939R

115 mm, 4 1/2"

JAMESON

BC911R

130 mm, 5 1/8"

JAMESON

BC915R

150 mm, 6"

JAMESON

BC919R

180 mm, 7"

BC916R

BC917R

JOSEPH

BC916R–BC917R

150 mm, 6"

Supercut

1/2

MAYO

BC926R–BC927R

145 mm, 5 3/4"

1/1

BC926R

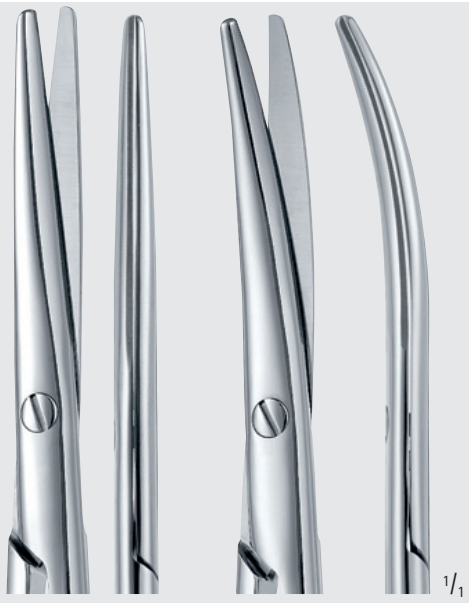
BC927R

1/2

MAYO

BC924R–BC925R

165 mm, 6 1/2"

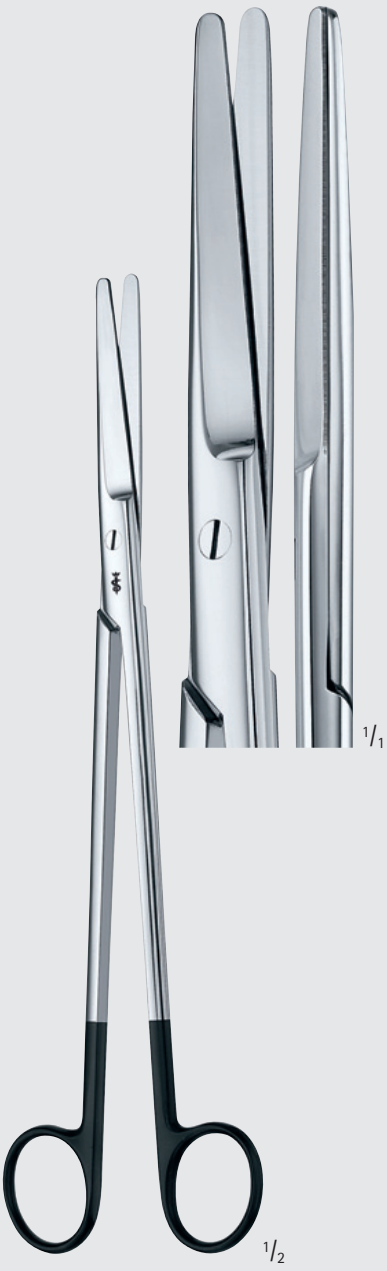


1/1

BC924R

BC925R

MILLIMETERS



MAYO

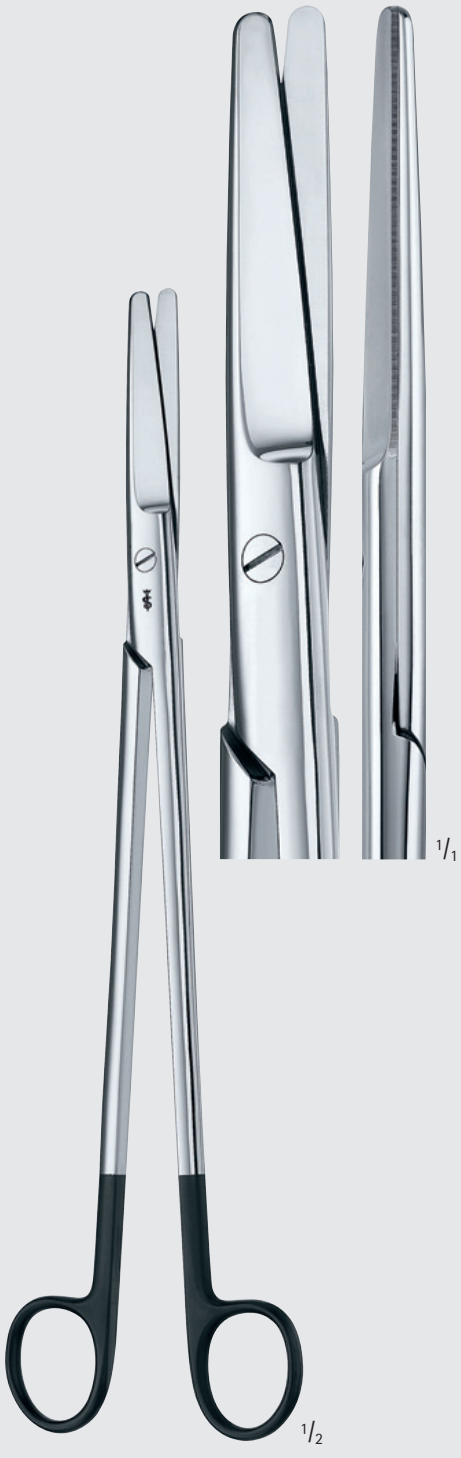
BC922R

255 mm, 10"

MAYO

BC929R

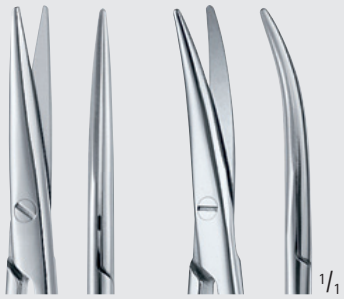
280 mm, 11"



MAYO

BC938R

305 mm, 12"



BC930R BC931R

BABY-METZENBAUM

BC930R–BC931R

115 mm, 4 1/2"

BC934R BC935R

METZENBAUM

BC934R–BC935R

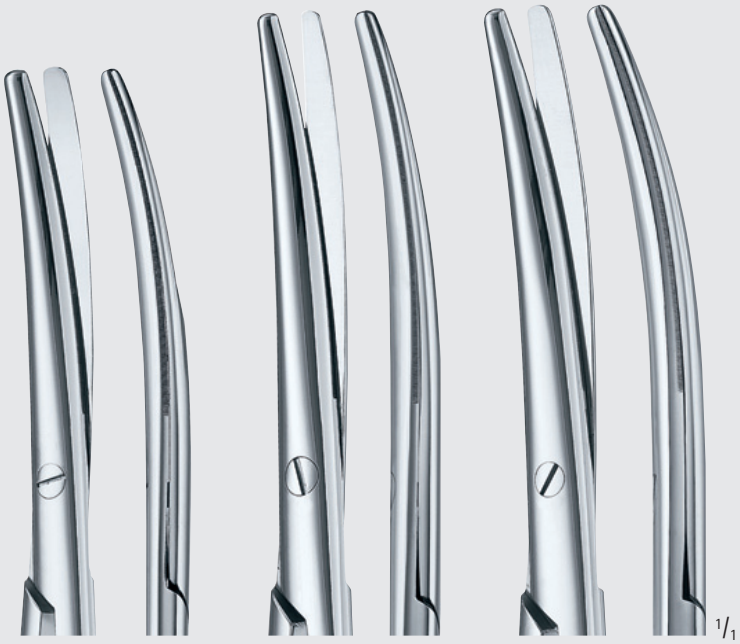
145 mm, 5 3/4"

BC936R BC937R

METZENBAUM

BC936R–BC937R

180 mm, 7"

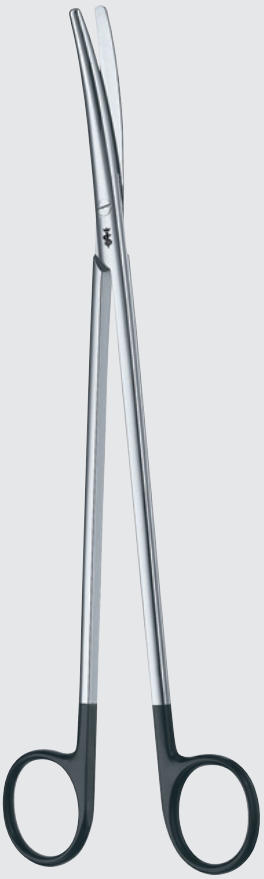


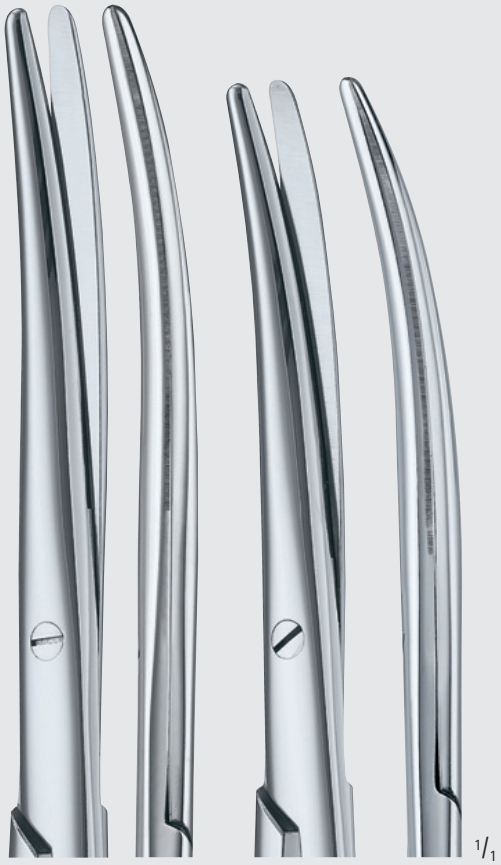
BC945R
230 mm 9"

BC947R
260 mm 10 1/4"

BC949R
285 mm 11 1/4"

1/1





BC951R
300 mm 12"

BC953R
355 mm 14"

1/1

METZENBAUM

BC945R–BC953R

POTTS-SMITH

BC957R–BC959R

BC957R

25°

190 mm

7 1/2"

BC958R

45°

185 mm

7 1/4"

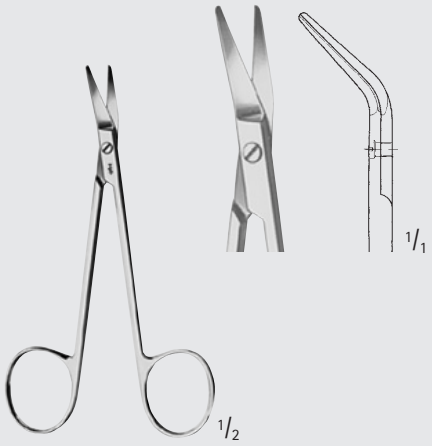
1/1

BC959R

60°

180 mm

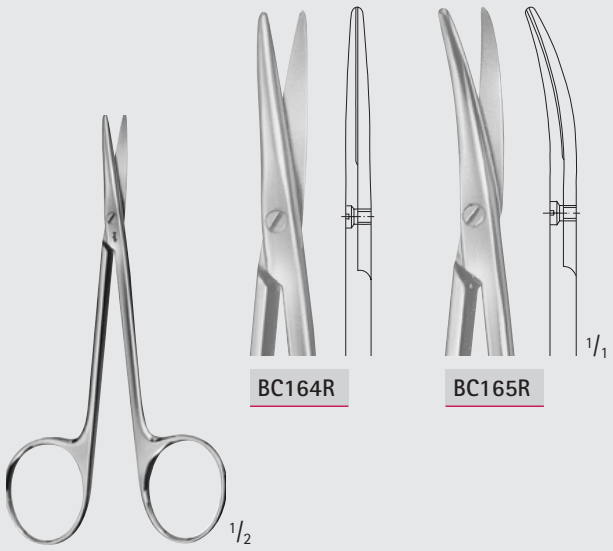
7"



GRAEFE

OC415R

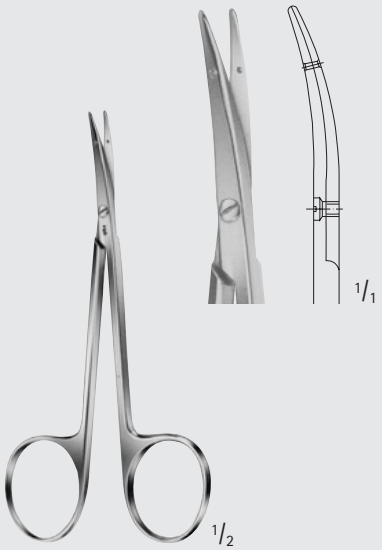
100 mm, 4"



BC164R **BC165R**

BC164R-BC165R

115 mm, 4 1/2"



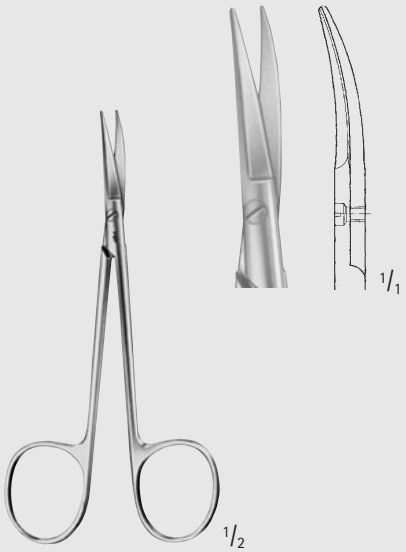
LITTLER

BC163R

tips with eye for suture

mit Fadenbohrung in der Spitze

115 mm, 4 1/2"



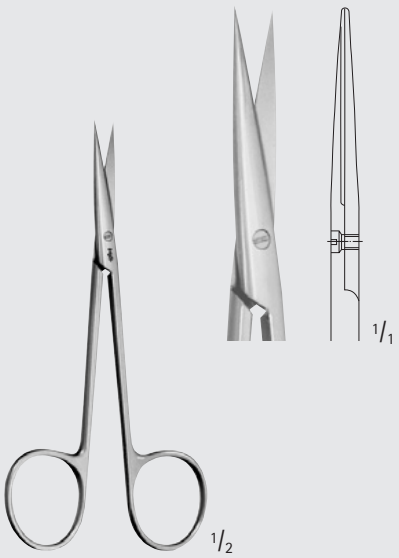
COTTLE

OK374R

Bulldog scissors

Bulldog-Schere

115 mm, 4 1/2"



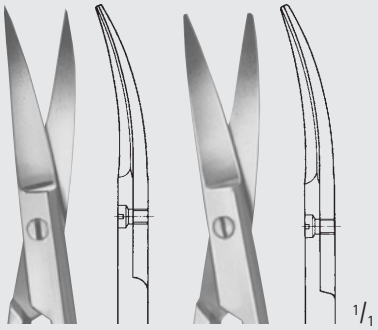
KILNER

BC162R

delicate

fein

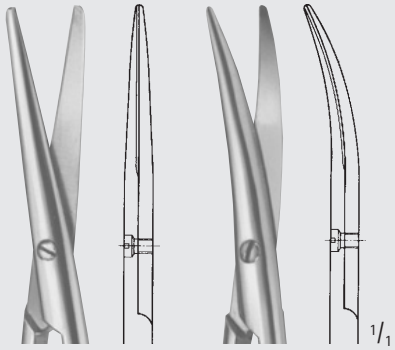
115 mm, 4 1/2"



OK365R
sharp
spitz

OK367R
blunt
stumpf

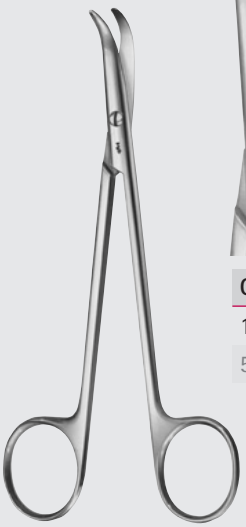
COTTLE-MASING
OK365R–OK367R
105 mm, 4 1/8"

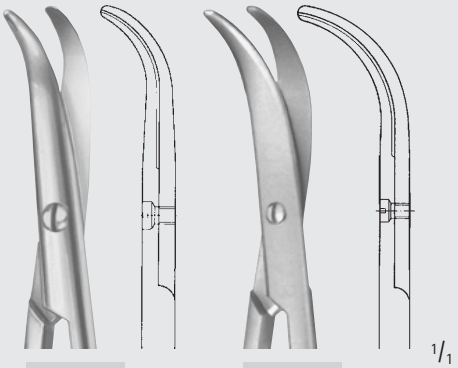


OK368R

OK369R

COTTLE-KNAPP
OK368R–OK369R
105 mm, 4 1/8"

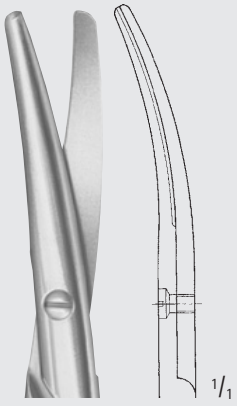




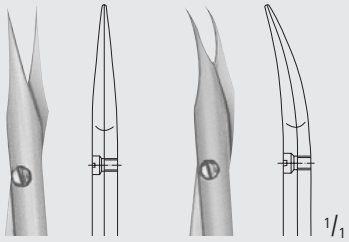
OK372R
135 mm
5 1/4"

OK373R
115 mm
4 1/2"

FOMON
OK372R–OK373R



LANDOLT
OC430R
120 mm, 4 3/4"



BC186R BC187R

STEVENS

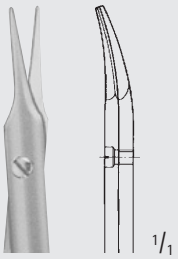
BC186R–BC187R

Vascular- and tendon scissors

Gefäß- und Sehnenscheren

100 mm, 4"

»grazil«



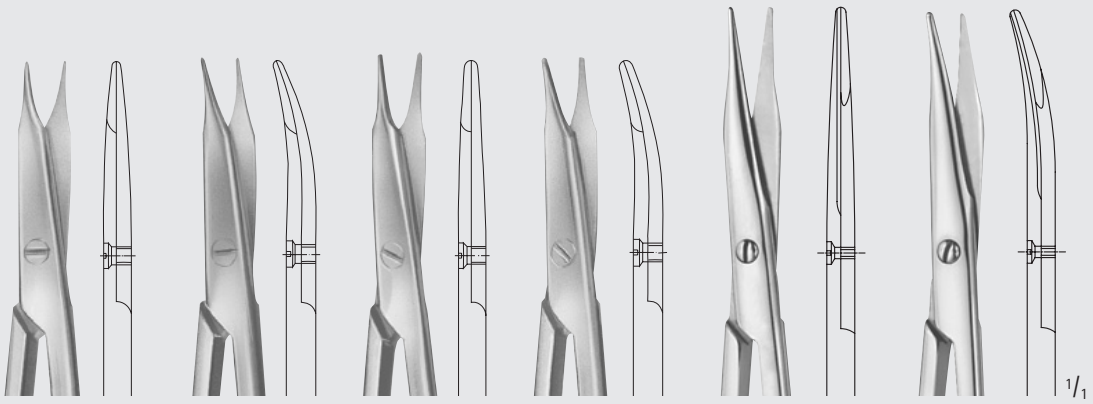
STEVENS

OK366R

delicate dissecting scissors

feine Präparierschere

110 mm, 4 3/8"



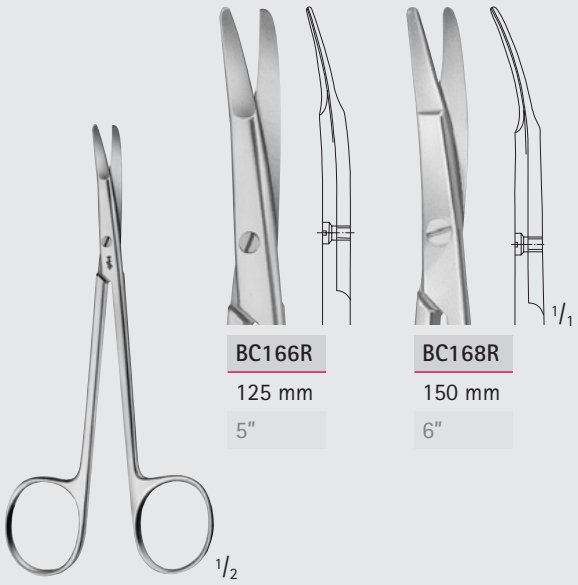
BC170R	BC171R	BC172R	BC173R	BC194R	BC195R
sharp spitz	sharp spitz	blunt stumpf	blunt stumpf	blunt stumpf	blunt stumpf
110 mm 4 3/8"	110 mm 4 3/8"	110 mm 4 3/8"	110 mm 4 3/8"	125 mm 5"	125 mm 5"

STEVENS

BC170R–BC195R

Vascular- and tendon scissors

Gefäß- und Sehnenscheren

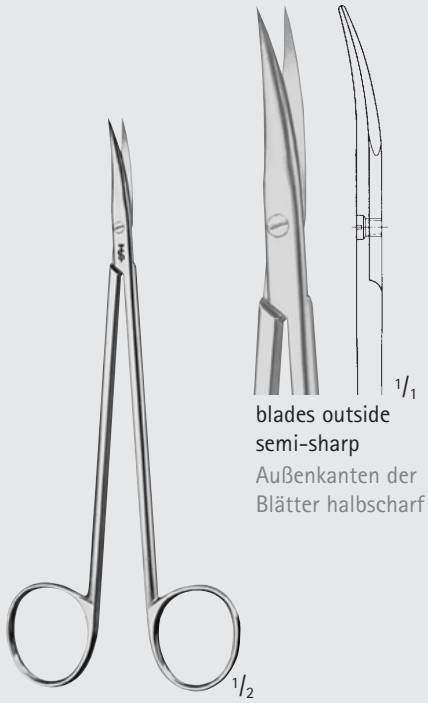


BC166R
125 mm
5"

BC168R
150 mm
6"

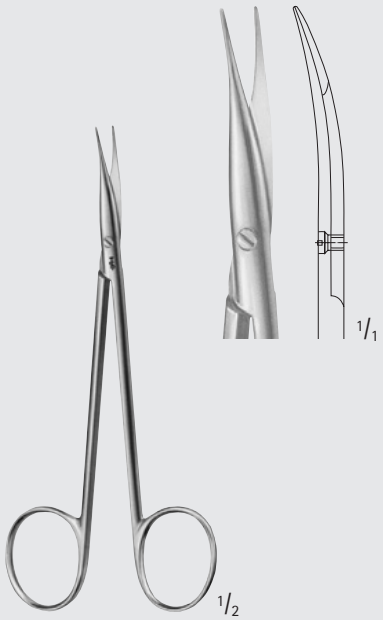
KILNER

BC166R–BC168R
special flat points for dissecting and undermining the skin
besonders flache Spitzen zum Präparieren und Unterminieren der Haut



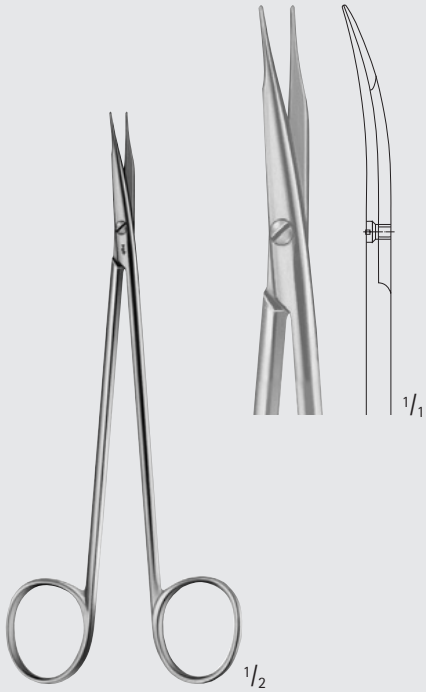
blades outside semi-sharp
Außenkanten der Blätter halbscharf

BC628R
Nerve dissecting scissors
Nerv-Präparierschere
150 mm, 6"



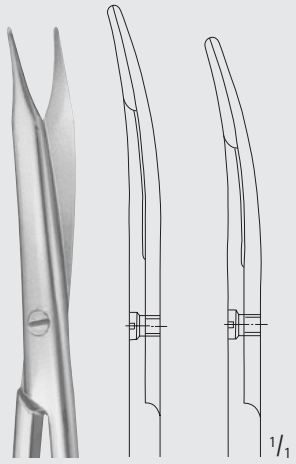
JAMESON-WERBER

BC175R
130 mm, 5 1/8"



JAMESON

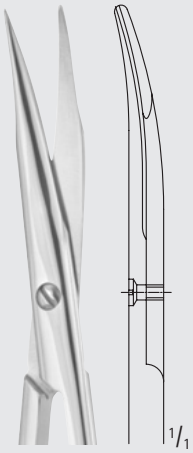
BC177R
150 mm, 6"



BC180R	BC181R
145 mm	175 mm
5 3/4"	7"

REYNOLDS

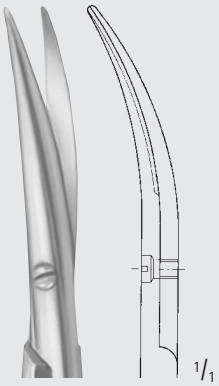
BC180R–BC181R



POTTS

BC178R

180 mm, 7"



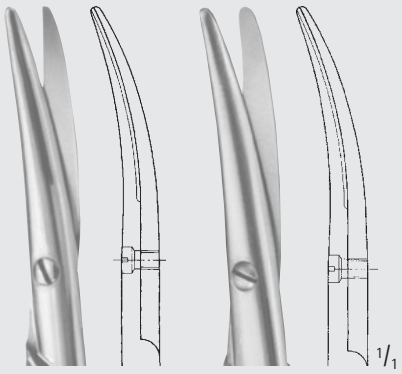
DE BAKEY

BC629R

Arteriotomy scissors

Arteriotomie-Schere

175 mm, 7"



BC630R	BC631R
very delicate	delicate
sehr fein	fein

TÖNNIS-ADSON

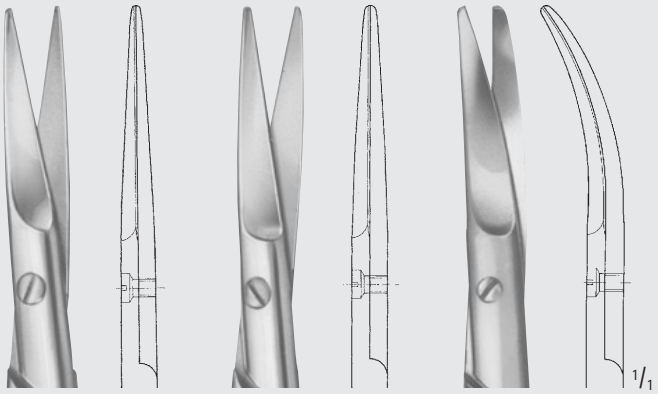
BC630R–BC631R

175 mm, 7"

TÖNNIS

BC633R–BC635R

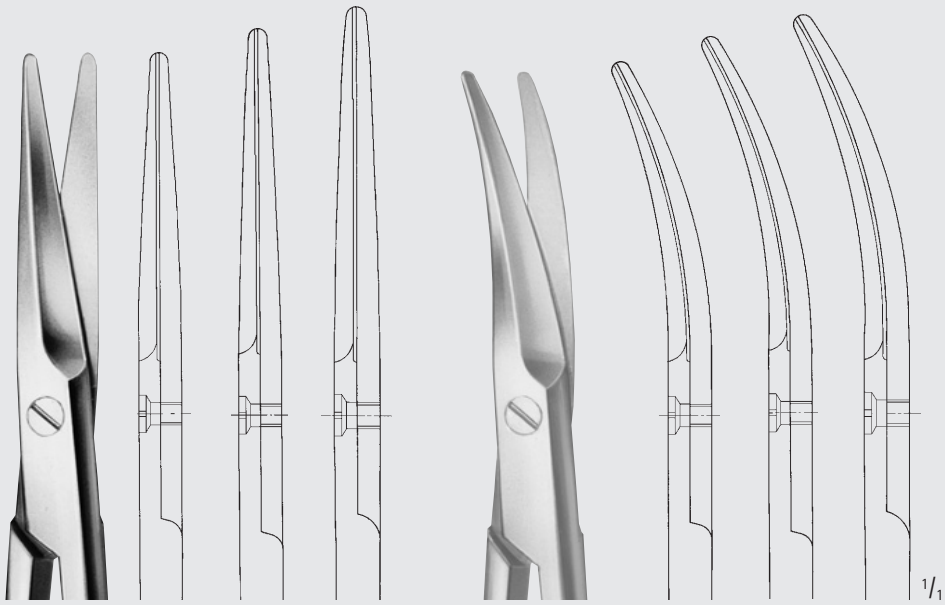
180 mm, 7"



BC633R
very delicate
sehr fein

BC634R
delicate
fein

BC635R
delicate
fein

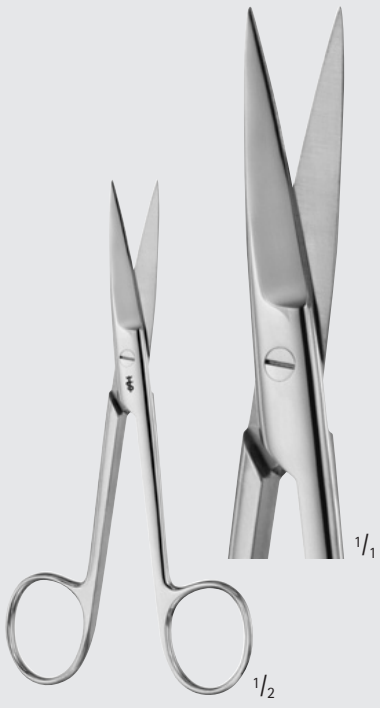


MAYO

BC544R-BC557R

BC544R	BC545R	BC547R
140 mm	155 mm	170 mm
5 1/2"	6"	6 3/4"

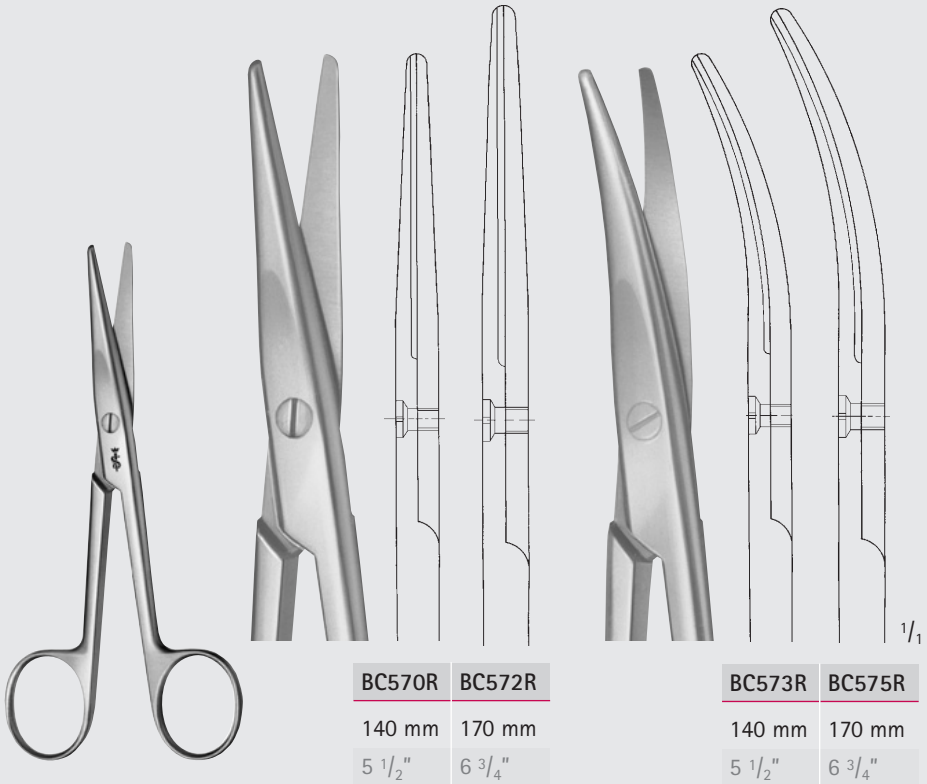
BC554R	BC555R	BC557R
140 mm	155 mm	170 mm
5 1/2"	6"	6 3/4"



MAYO

BC466R

140 mm, 5 1/2"

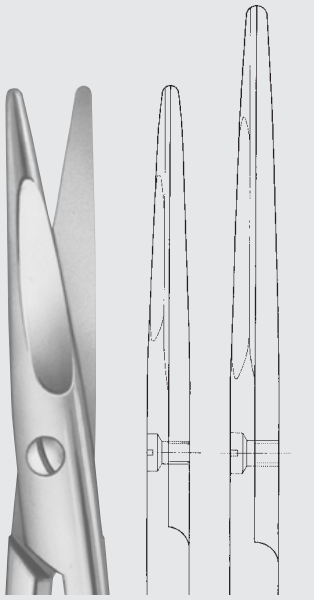


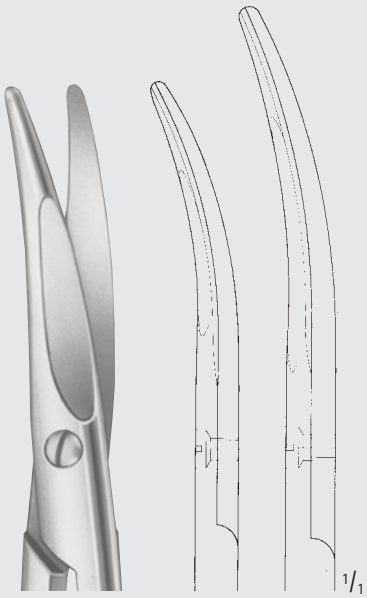
MAYO-STILLE

BC570R-BC575R

BC570R	BC572R
140 mm	170 mm
5 1/2"	6 3/4"

BC573R	BC575R
140 mm	170 mm
5 1/2"	6 3/4"





BC576R	BC578R
140 mm	170 mm
5 1/2"	6 3/4"

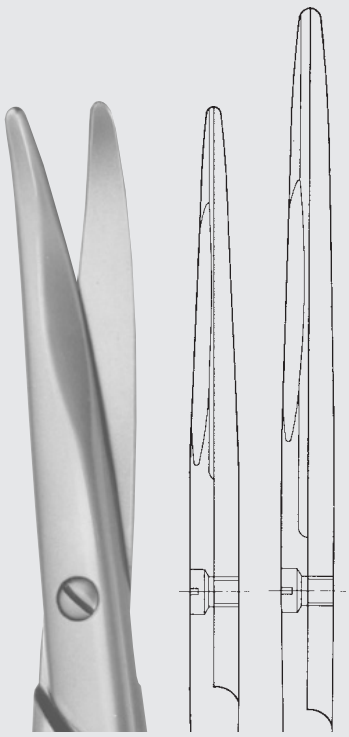
BC577R	BC579R
140 mm	170 mm
5 1/2"	6 3/4"

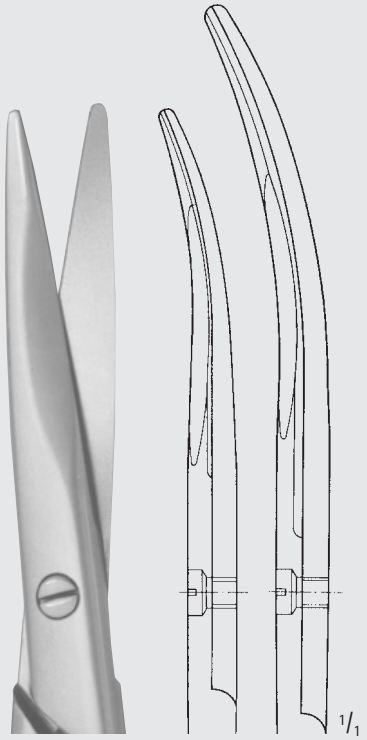
MAYO-STILLE

BC576R–BC579R

with chamfered blades

mit abgeschrägten Schneiden





BC562R	BC564R
190 mm	215 mm
7 1/2"	8 1/2"

BC563R	BC565R
190 mm	215 mm
7 1/2"	8 1/2"

MAYO

BC562R–BC565R

with chamfered blades

mit abgeschrägten Schneiden

1/2

MAYO-HARRINGTON

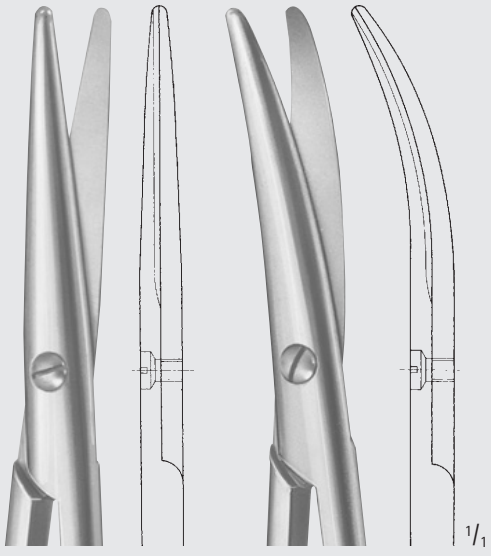
BC560R-BC561R

230 mm, 9"

BC560R

1/1

BC561R



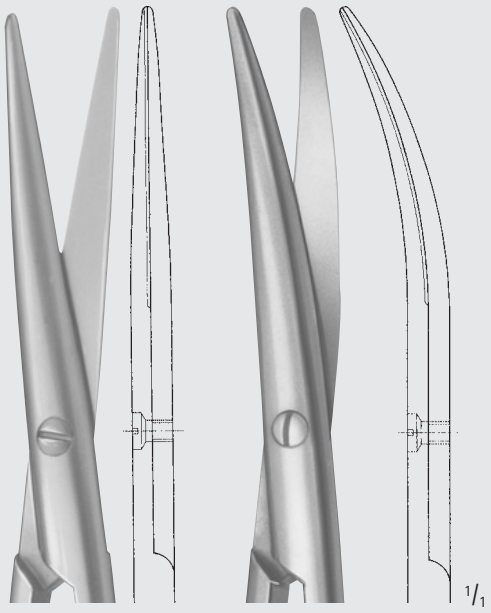
BC580R

BC581R

STILLE

BC580R–BC581R

150 mm, 6"



BC590R

BC591R

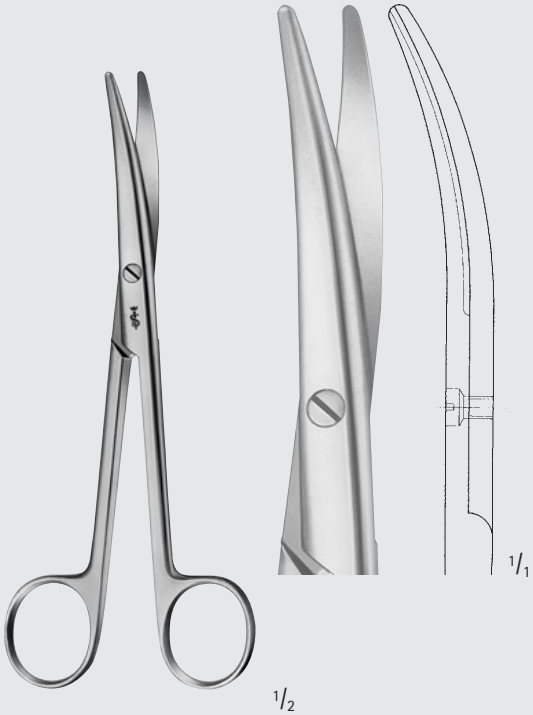
LEXER

BC590R–BC591R

narrow

schmal

165 mm, 6 1/2"



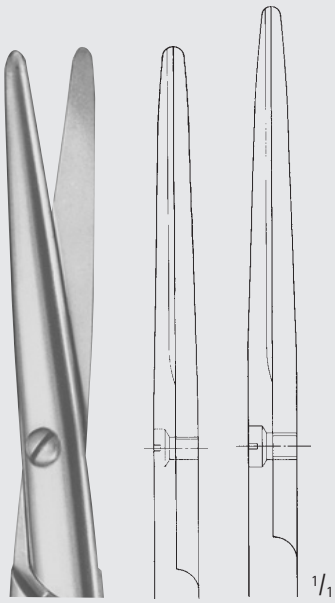
MAYO-LEXER

BC592R

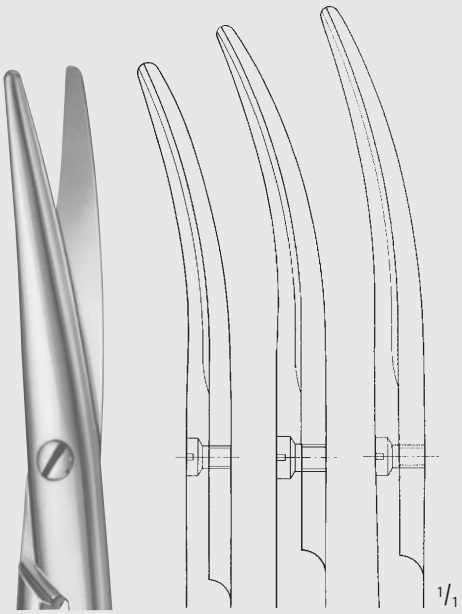
Standard pattern

Standard-Modell

165 mm, 6 1/2"



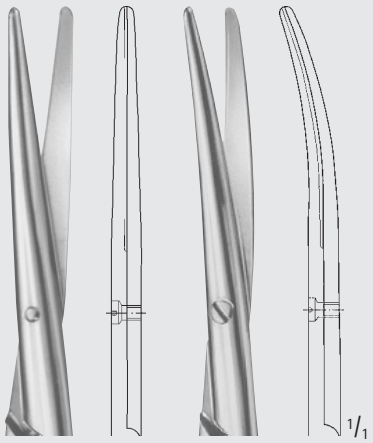
BC584R	BC585R
165 mm	200 mm
6 1/2"	8"



BC587R	BC588R	BC589R
165 mm	200 mm	210 mm
6 1/2"	8"	8 1/4"

MAYO

BC584R–BC589R

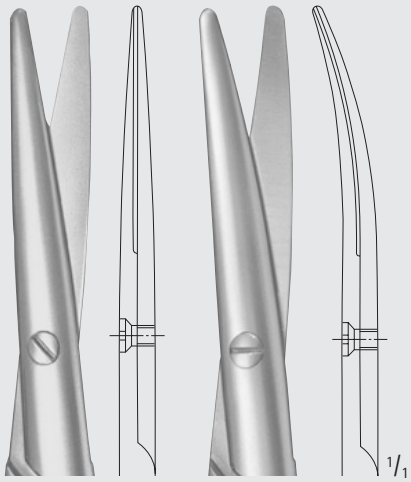


BC600R BC603R

BABY-METZENBAUM

BC600R–BC603R

145 mm, 5 3/4"

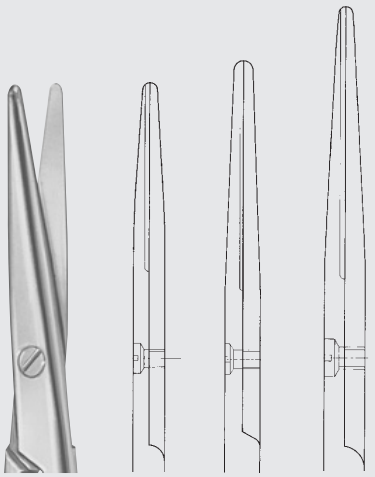


BC680R BC683R

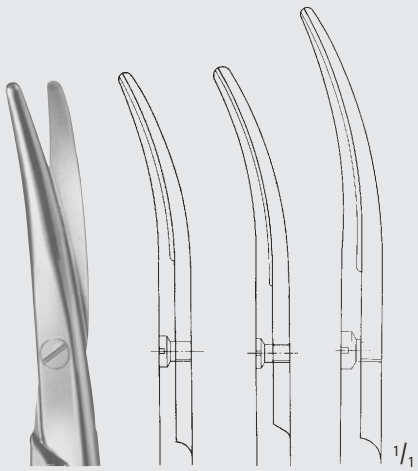
METZENBAUM

BC680R–BC683R

160 mm, 6 1/4"



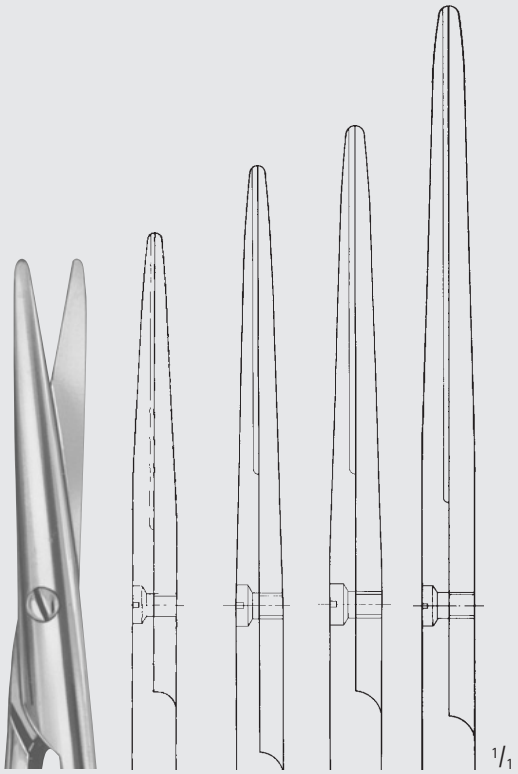
BC601R	BC602R	BC604R
145 mm	180 mm	200 mm
5 3/4"	7"	8"



BC605R	BC606R	BC607R
145 mm	180 mm	200 mm
5 3/4"	7"	8"

METZENBAUM

BC601R–BC607R



1/1

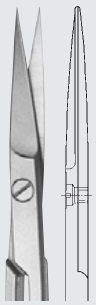
BC611R	BC612R	BC613R	BC614R
230 mm	250 mm	280 mm	305 mm
9"	10"	11"	12"

1/1

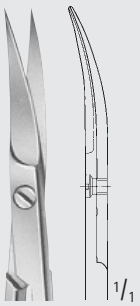
BC615R	BC616R	BC618R	BC619R
230 mm	250 mm	280 mm	305 mm
9"	10"	11"	12"

NELSON-METZENBAUM

BC611R-BC619R



BC004R

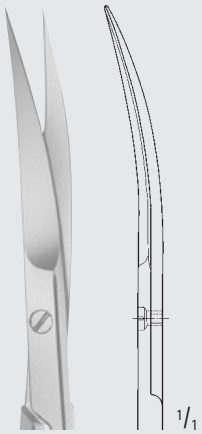


BC005R

BC004R–BC005R

115 mm, 4 1/2"

BC006R



BC007R

JOSEPH

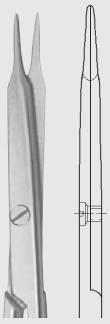
BC006R–BC007R

150 mm, 6"

STEVENS

BC008R-BC011R

115 mm, 4 1/2"



BC008R

sharp

spitz

BC009R

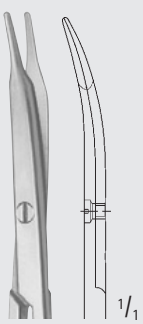
sharp

spitz

BC010R

blunt

stumpf



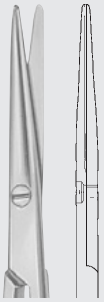
BC011R

blunt

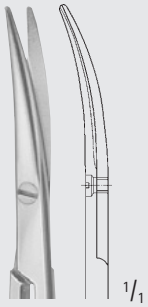
stumpf

BC020R-BC021R

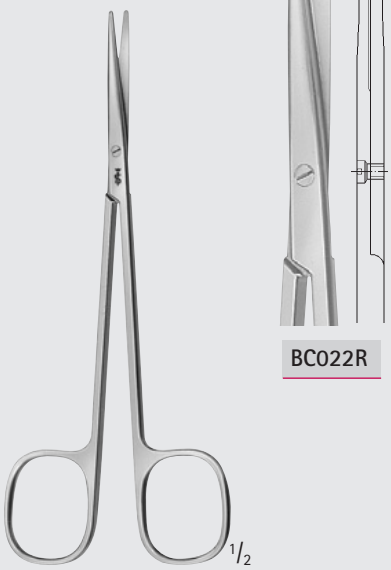
115 mm, 4 1/2"



BC020R



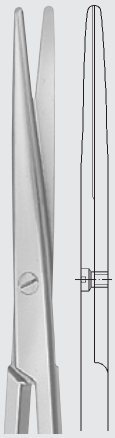
BC021R



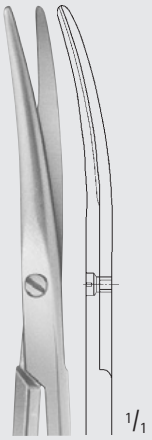
METZENBAUM

BC022R-BC023R

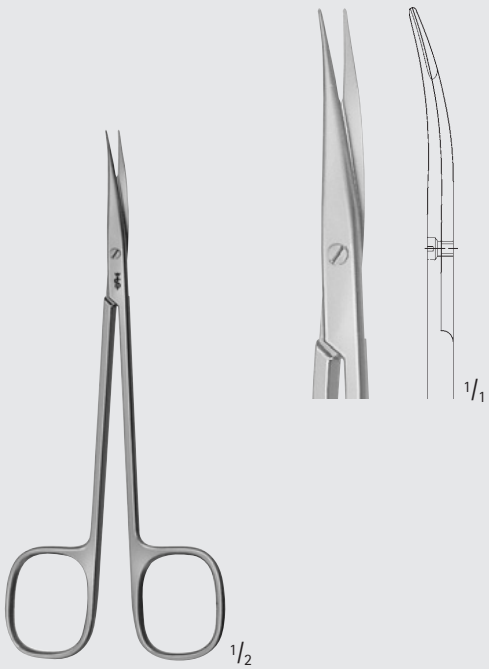
145 mm, 5 3/4"



BC022R



BC023R



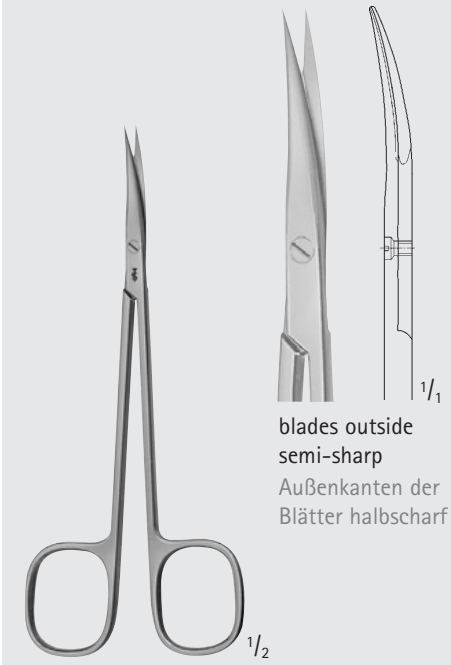
REYNOLDS-JAMESON

BC015R

Vascular scissors

Gefäß-Schere

140 mm, 5 1/2"



blades outside semi-sharp

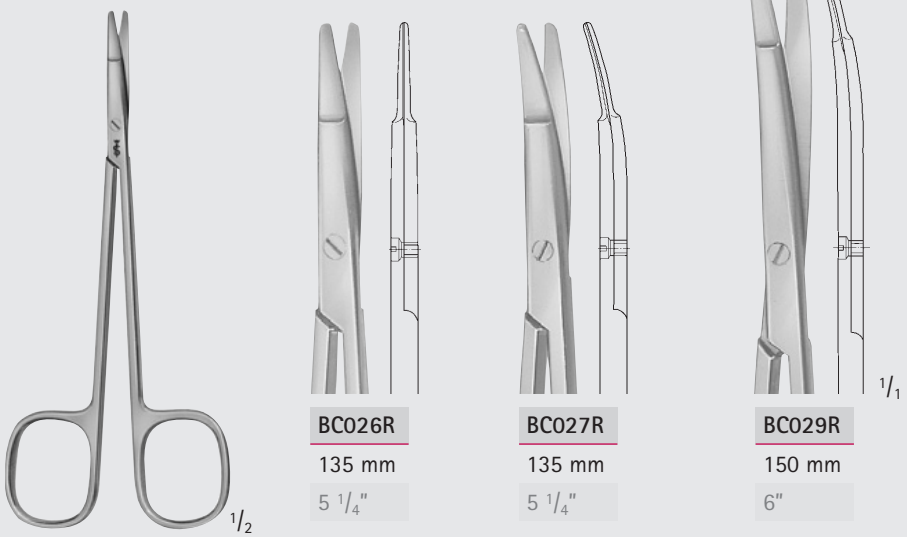
Außenkanten der Blätter halbscharf

BC017R

Nerve dissecting scissors

Nerv-Präparierschere

140 mm, 5 1/2"



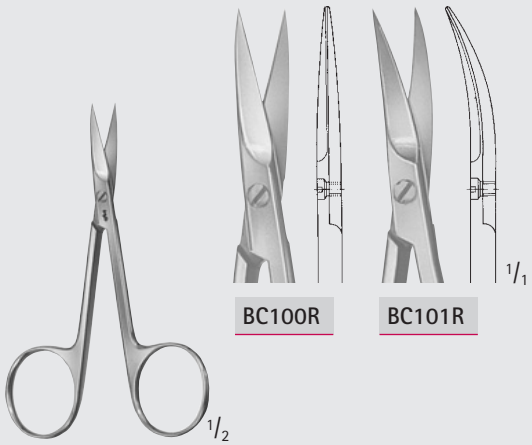
RAGNELL

BC026R–BC029R

special flat points for dissecting and undermining the skin

besonders flache Spitzen zum Präparieren und Unterminieren der Haut

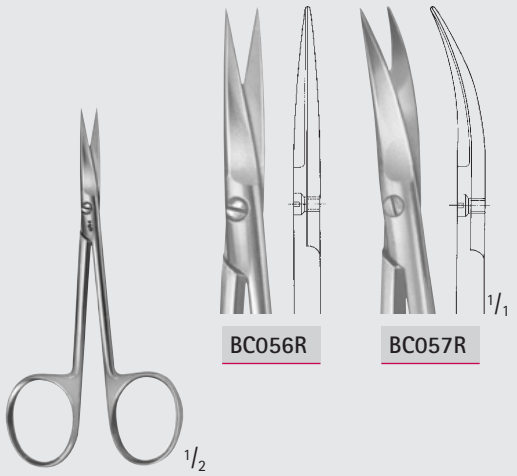
BC026R	BC027R	BC029R
135 mm	135 mm	150 mm
5 1/4"	5 1/4"	6"



BC100R BC101R

BC100R–BC101R

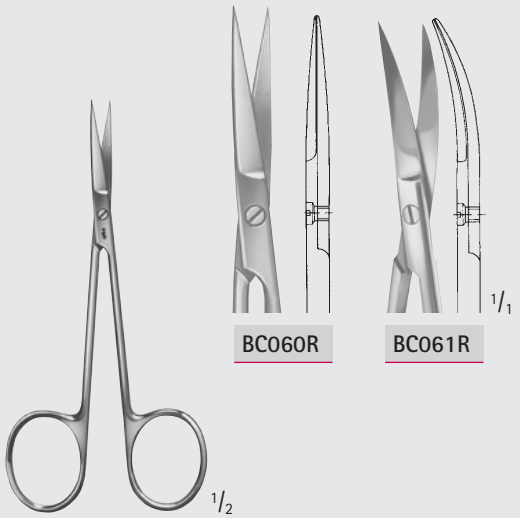
90 mm, 3 1/2"



BC056R BC057R

BC056R–BC057R

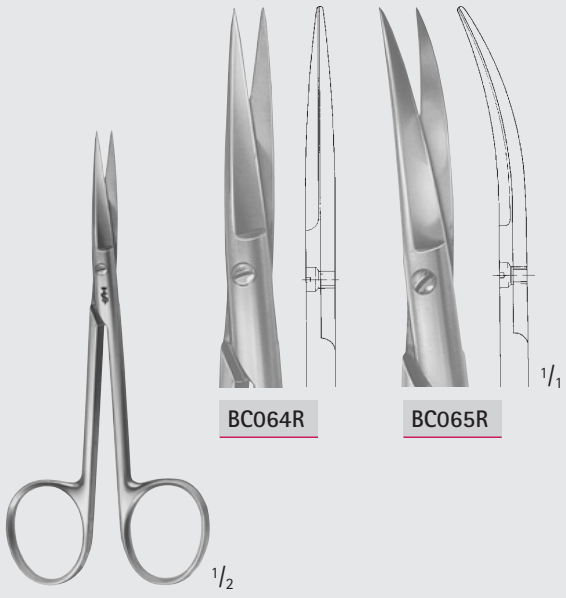
95 mm, 3 3/4"



BC060R BC061R

BC060R–BC061R

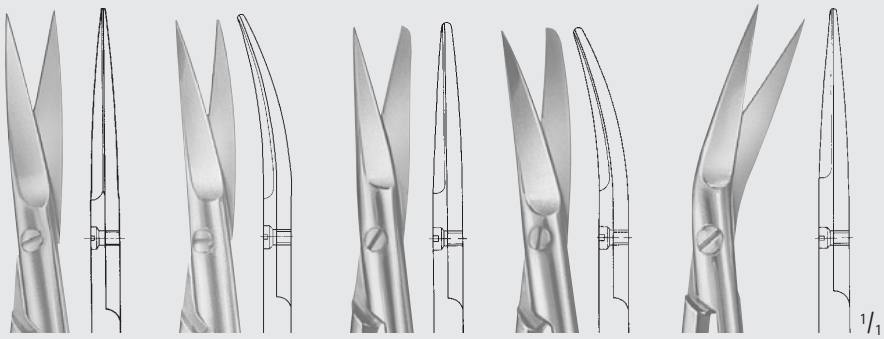
105 mm, 4 1/8"



BC064R BC065R

BC064R–BC065R

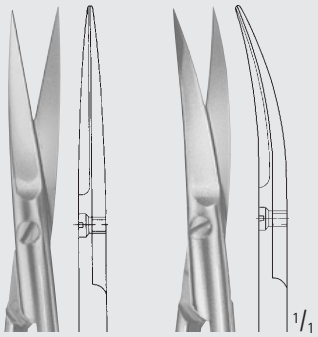
120 mm, 4 3/4"



BC110R | BC111R | BC112R | BC113R | BC117R

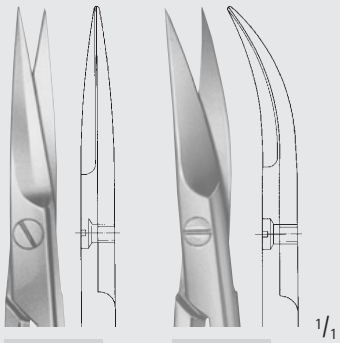
curved to side
seitwärts gebogen

BC110R–BC117R
110 mm, 4 3/8"



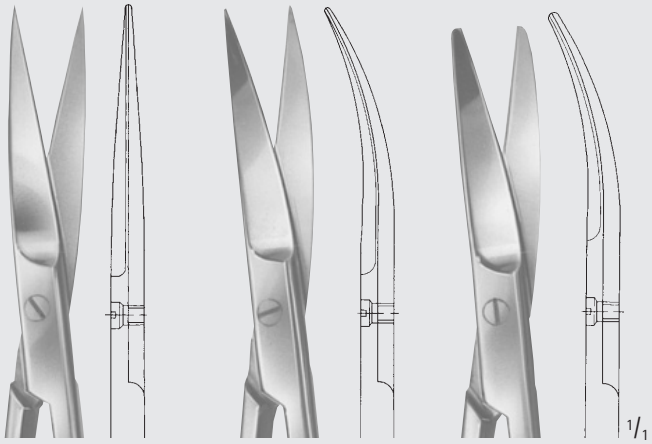
BC106R | BC107R

BC106R–BC107R
115 mm, 4 1/2"



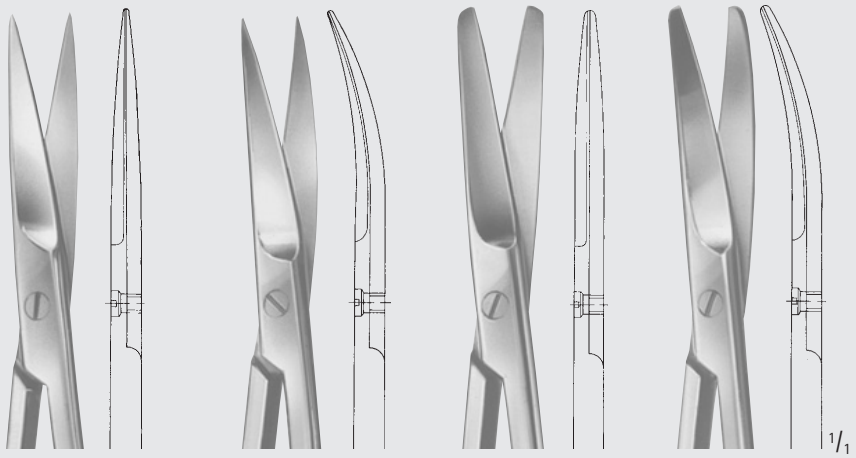
DO210R | DO211R

DO210R–DO211R
120 mm, 4 3/4"



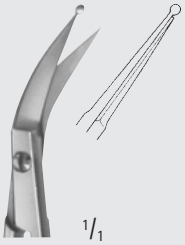
BC130R | BC131R | BC135R

BC130R–BC135R
120 mm, 4 3/4"



BC140R | BC141R | BC144R | BC145R

BC140R–BC145R
130 mm, 5 1/8"



curved to side
seitwärts gebogen

PERWITZSCHKY

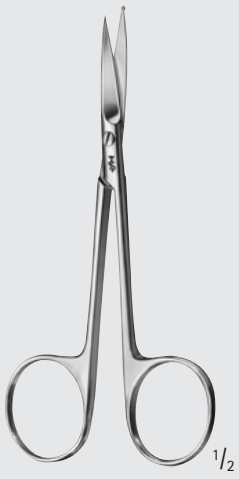
OM489R

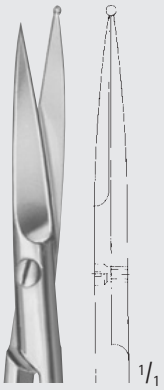
100 mm, 4"

angled to side
seitwärts abgewinkelt

BC033R

115 mm, 4 1/2"



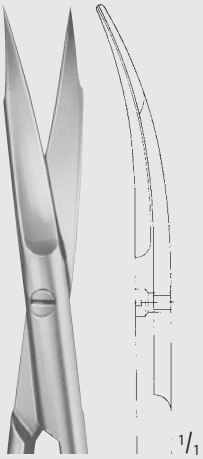


with 1 probe
pointed blade
1 Blatt mit Knopf

BC030R

120 mm, 4 3/4"

1/2

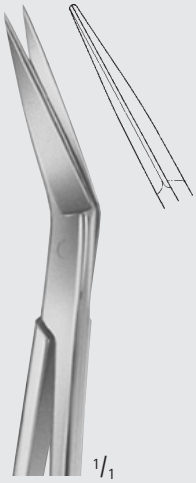


1/1

1 blade fine serrated
1 Schneide fein gezahnt

DO251R
130 mm, 5 1/8"

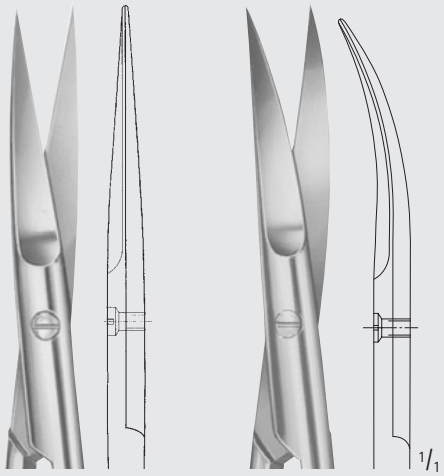
1/2



1/1

LOCKLIN
angled to side, 1 blade serrated
seitwärts abgewinkelt, 1 Schneide gezahnt

DO219R
155 mm, 6"



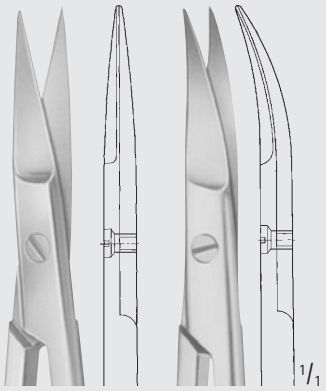
BC156R

BC157R

JOSEPH

BC156R–BC157R

150 mm, 6″



BC160R

BC161R

KELLY

BC160R–BC161R

175 mm, 7″

1 blade serrated

1 Schneide gezahnt

MORSE

BC196R

175 mm, 7″

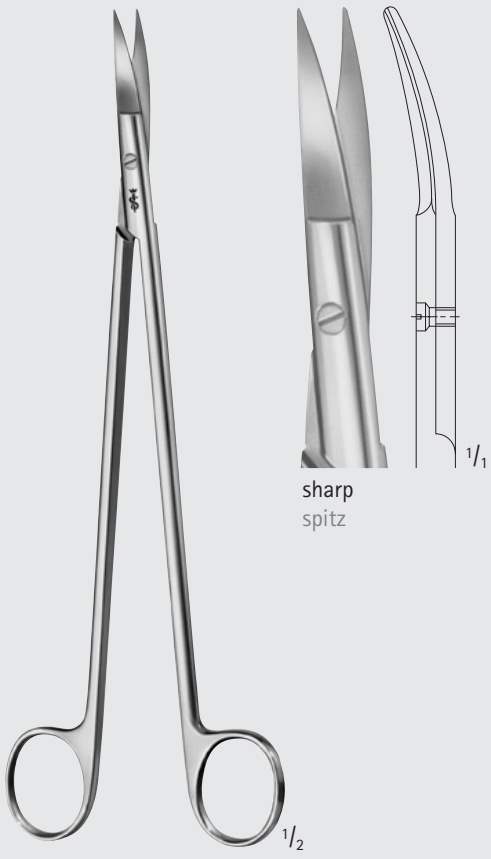
SCHMIEDEN-TAYLOR

BC660R

Dura scissors

Duraschere

155 mm, 6"



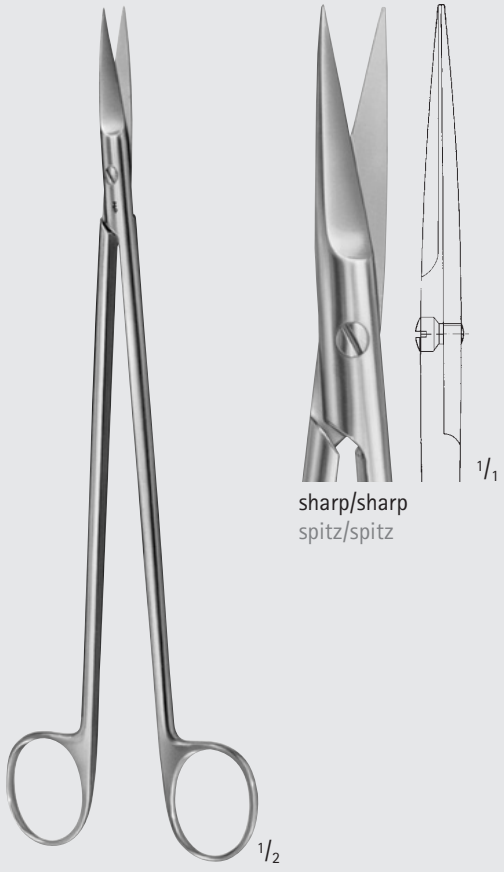
sharp

spitz

STRULLY

BC644R

220 mm, 8 3/4"

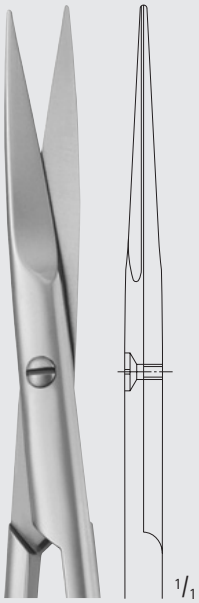


sharp/sharp

spitz/spitz

BC642R

225 mm, 9"

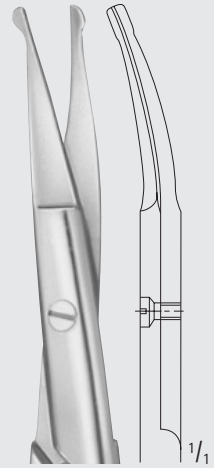


sharp/sharp
spitz/spitz

BARRÉ

BC715R

280 mm, 11"



probe pointed
geknöpft

STRULLY

BC645R

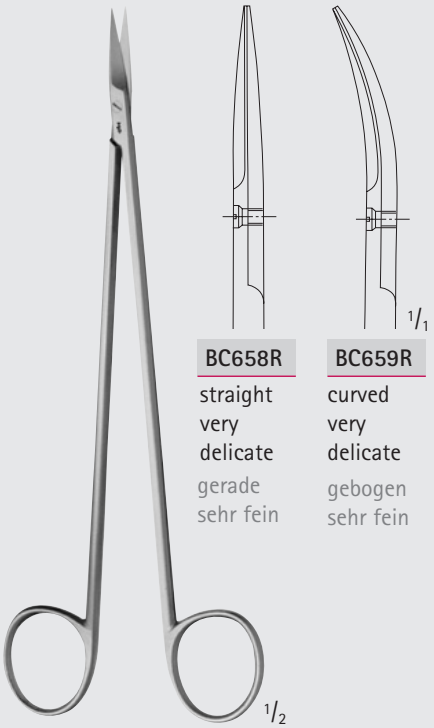
220 mm, 8 3/4"

THOREK
BC636R
180 mm
7"

HOHENFELLNER
BC638R
225 mm
9"

HOHENFELLNER
BC639R
255 mm
10"

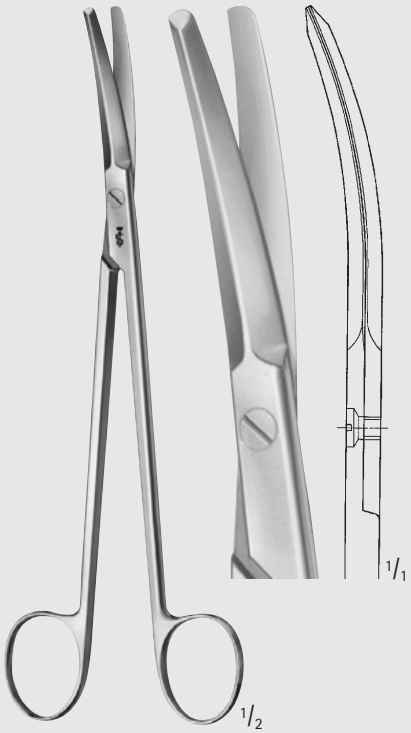
BC636R-BC639R



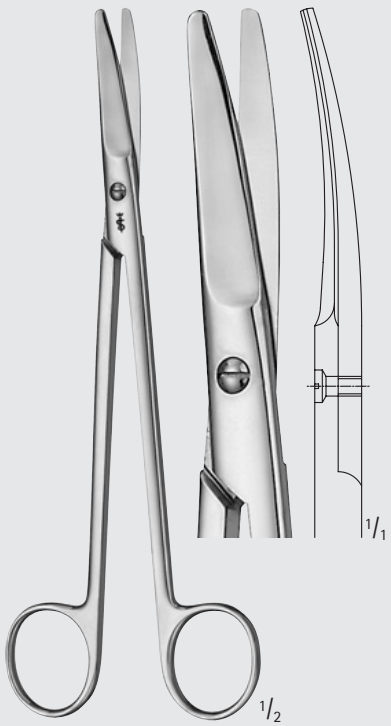
BC658R
straight
very
delicate
gerade
sehr fein

BC659R
curved
very
delicate
gebogen
sehr fein

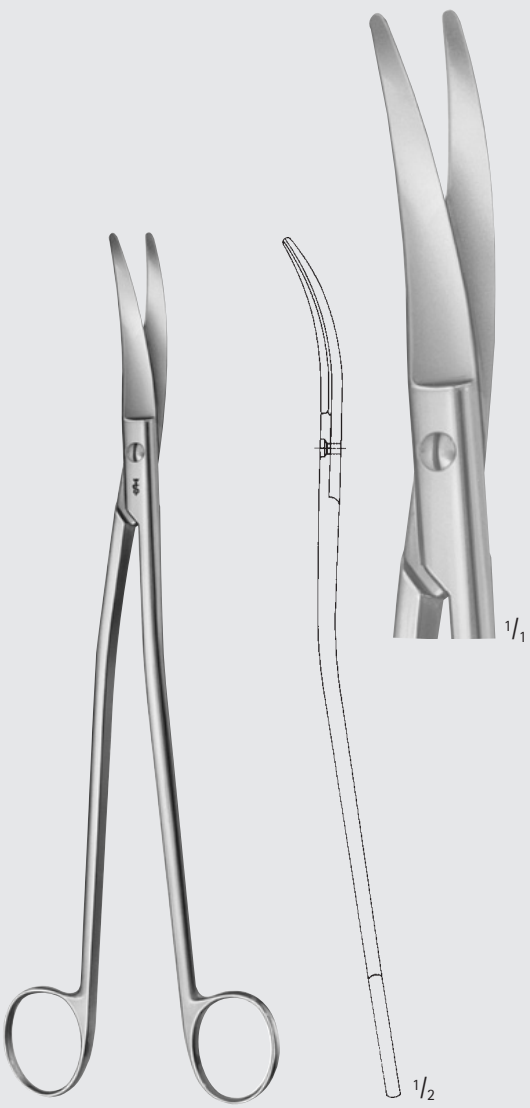
BC658R-BC659R
190 mm, 7 1/2"



POTTS-SMITH
BC643R
190 mm, 7 1/2"



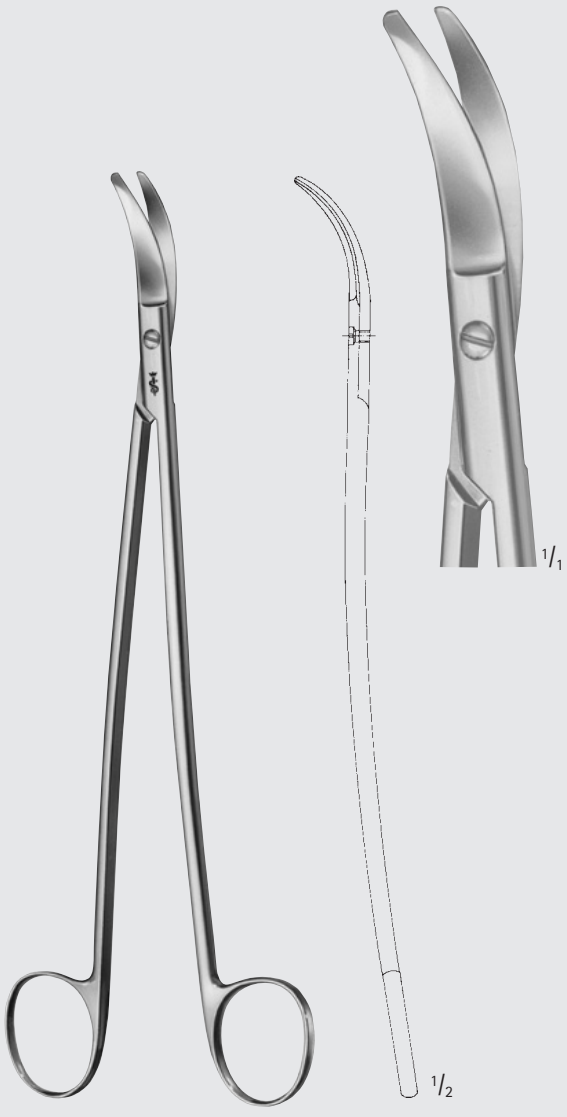
COOLEY
BC597R
190 mm, 7 1/2"



KLINKENBERG-LOTH

BC640R

230 mm, 9"



SATINSKY

BC641R

245 mm, 9 3/4"

1/1

DIETHRICH-POTTS

BC515R–BC535R

180 mm, 7"

	25°	45°	60°	90°	125°
Standard blade size, 12 mm Standard Blatt, 12 mm					1/1
	BC522R	BC523R	BC524R	BC525R	BC526R
Delicate blade, 10 mm Sehr feines Blatt, 10 mm					1/1
	BC531R	BC532R	BC533R	BC534R	BC535R
Ultra delicate blade, 8 mm Extrem feines Blatt, 8 mm					1/1
	BC515R	BC516R	BC517R	BC518R	BC519R

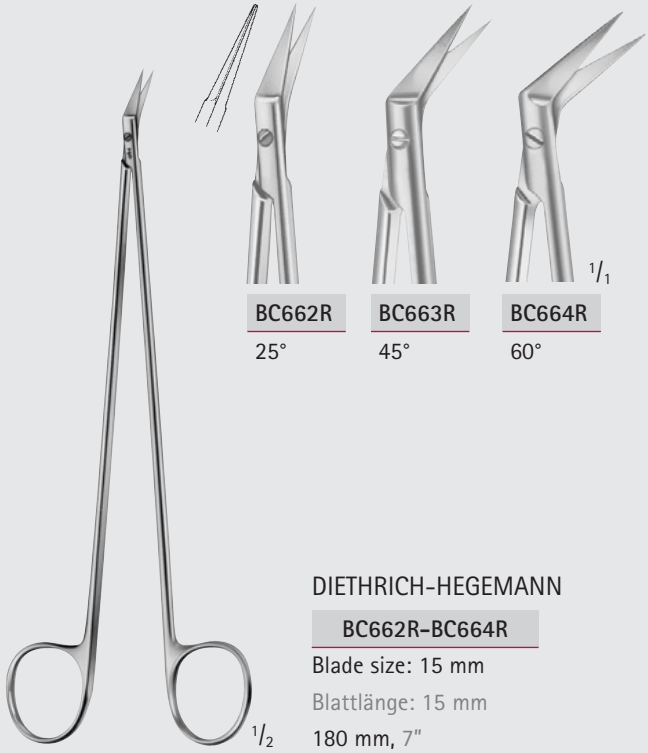
BC656R
45°

BC657R
60°

DE BAKEY

BC656R–BC657R

155 mm, 6"



BC662R
25°

BC663R
45°

BC664R
60°

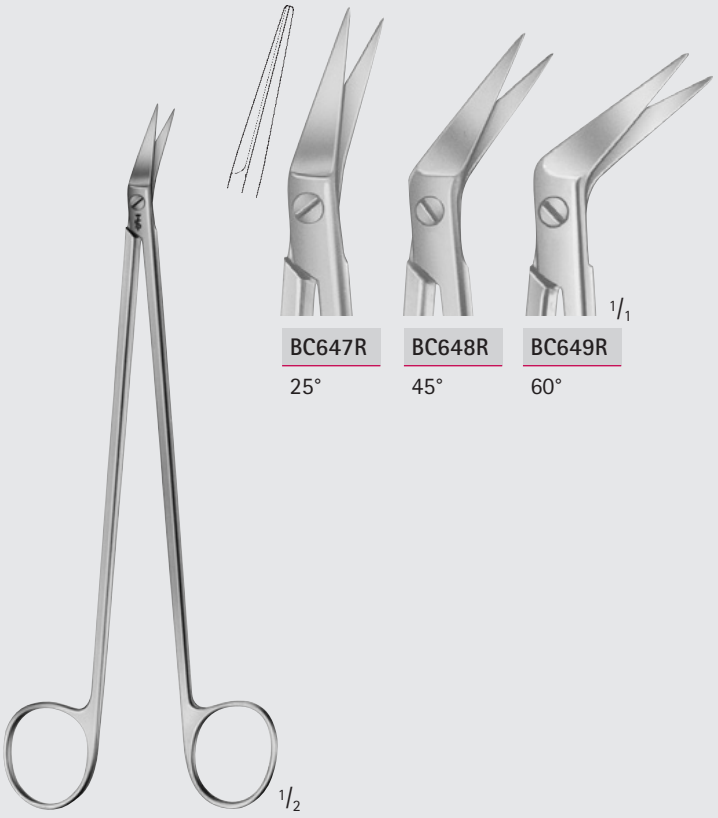
DIETHRICH-HEGEMANN

BC662R–BC664R

Blade size: 15 mm

Blattlänge: 15 mm

180 mm, 7"



BC647R
25°

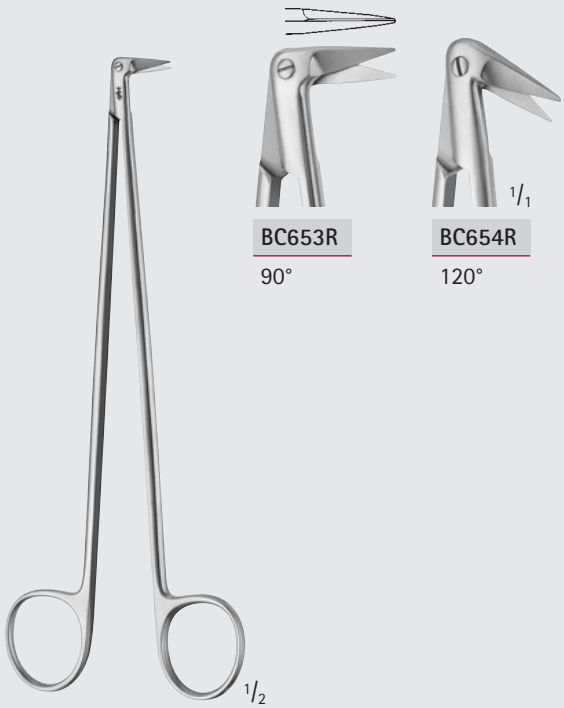
BC648R
45°

BC649R
60°

POTTS-DE MARTEL

BC647R–BC649R

185 mm, 7 1/4"



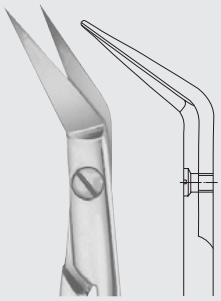
BC653R
90°

BC654R
120°

DIETHRICH

BC653R–BC654R

170 mm, 6 3/4"

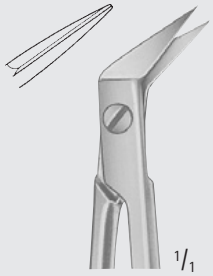


55°
angled on flat
55°
aufgebogen

POTTS-SMITH

BC646R

180 mm, 7"

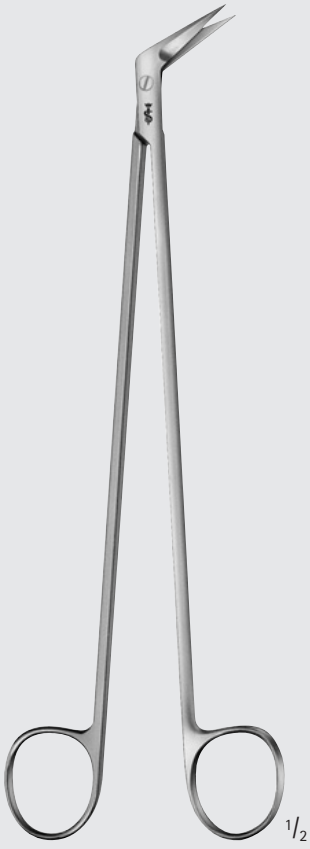


60°

POTTS-SMITH

BC652R

180 mm, 7"



POTTS-DE MARTEL

BC650R

60°

MILLS

BC651R

60°

BC650R–BC651R

220 mm, 8 3/4"

1/2

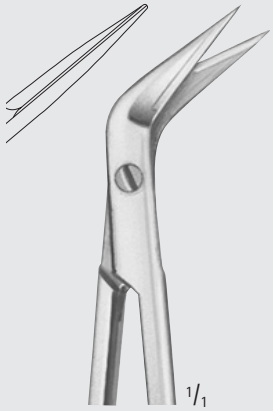
1/1

BC678R	BC679R
30°	30°
225 mm	275 mm
9"	10 3/4"

COOLEY

BC678R–BC679R

1/2



1/1

60°

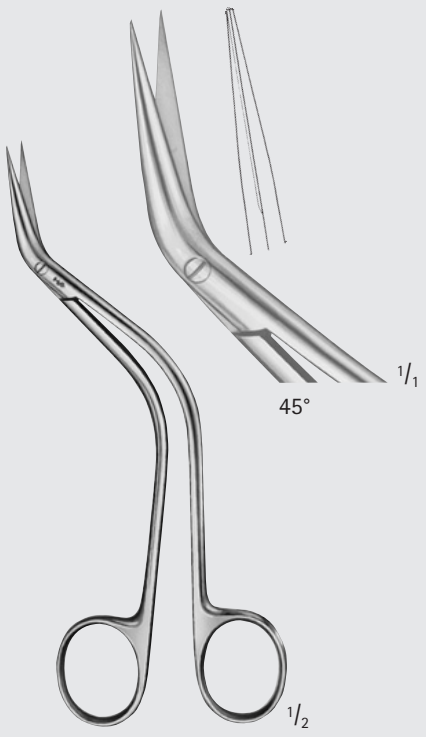
DE BAKEY

BC245R

with tungsten carbide inserts

mit Hartmetalleinlagen

220 mm, 8 3/4"



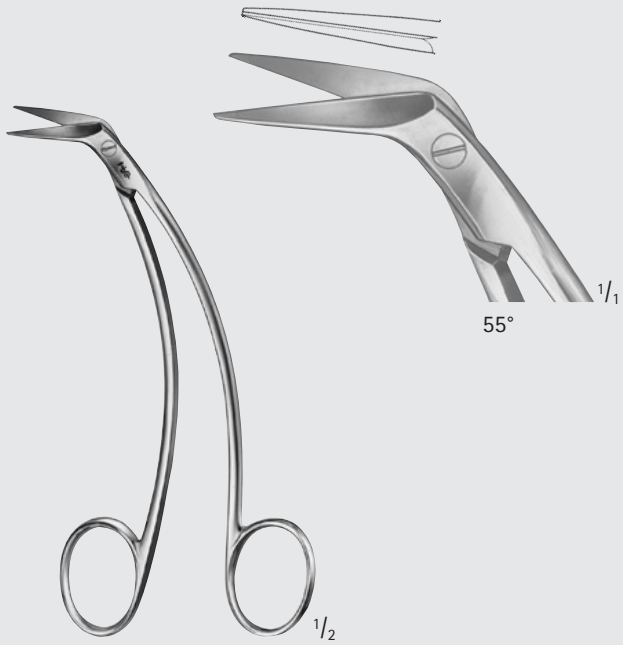
DE BAKEY

BC669R

Offset scissors, s-shaped

Offset-Schere, S-förmig

155 mm, 6"



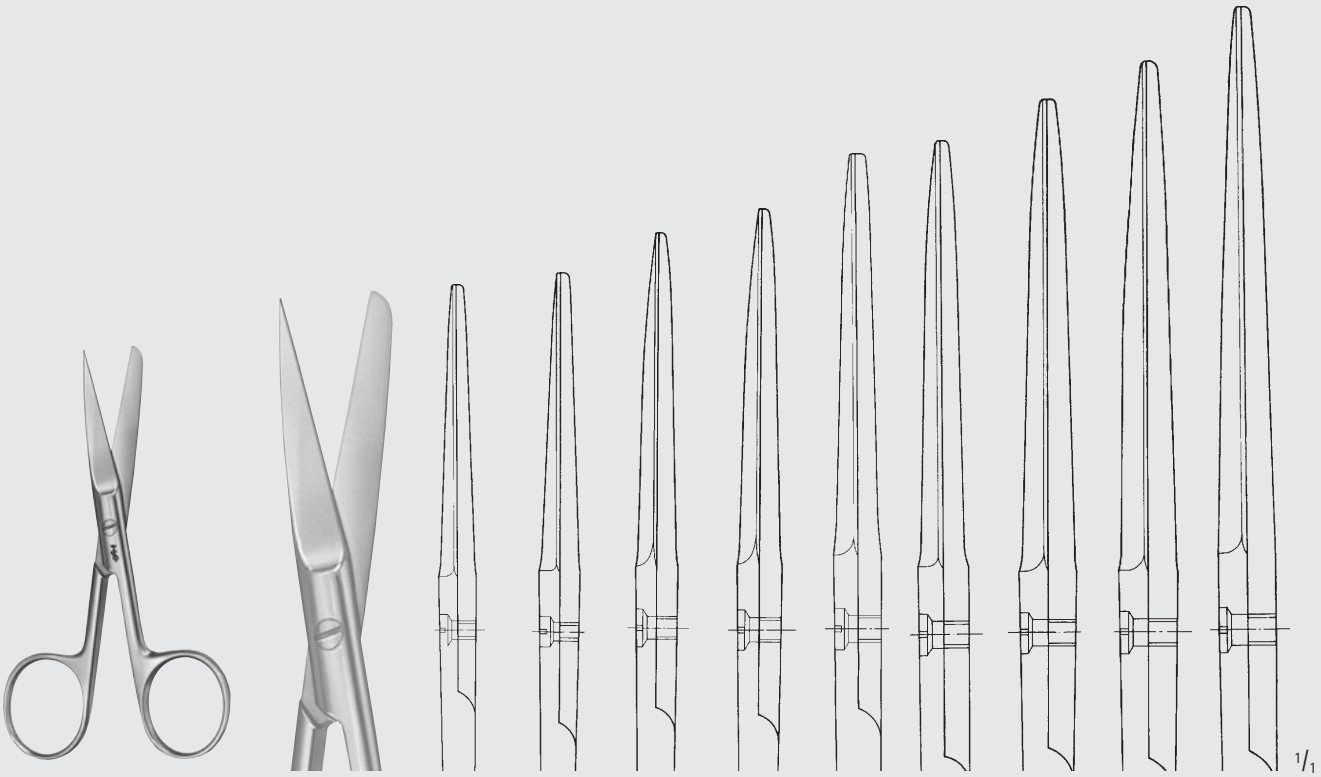
FAVOLORO

BC670R

Cardiovascular scissors

Gefäßschere

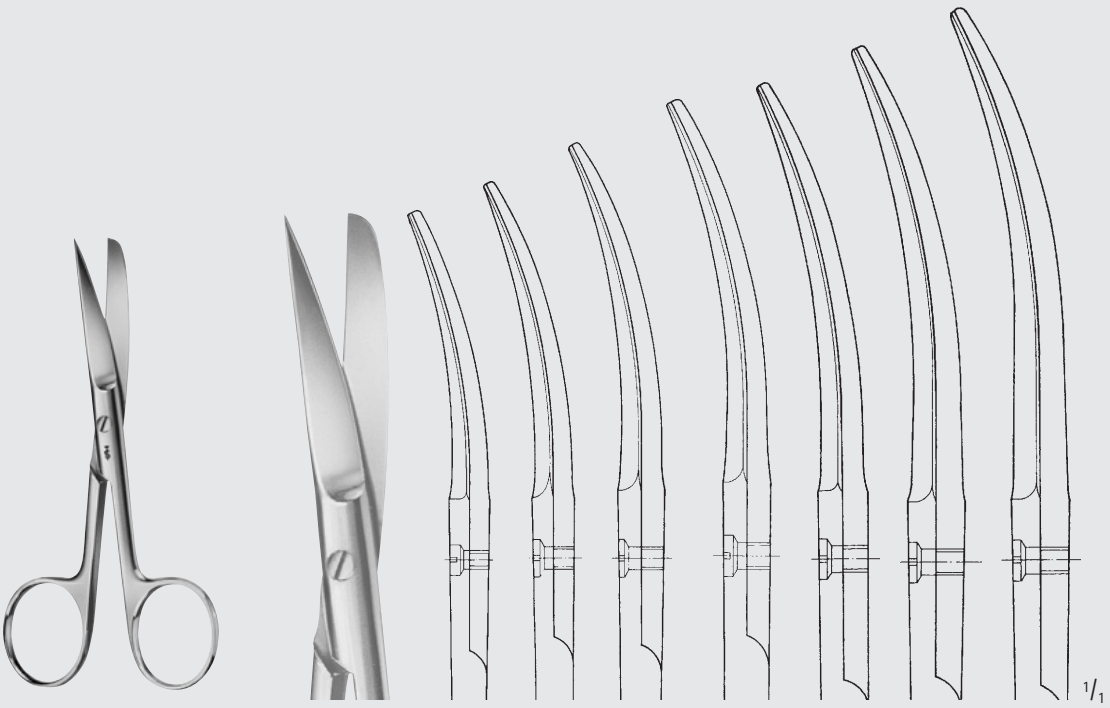
140 mm, 5 1/2"



1/1

BC320R-BC330R
Standard patterns
Standard-Modelle

BC320R	BC321R	BC323R	BC324R	BC325R	BC326R	BC327R	BC328R	BC330R
105 mm	115 mm	130 mm	145 mm	150 mm	165 mm	175 mm	185 mm	200 mm
4 1/8"	4 1/2"	5 1/8"	5 3/4"	6"	6 1/2"	7"	7 1/4"	8"



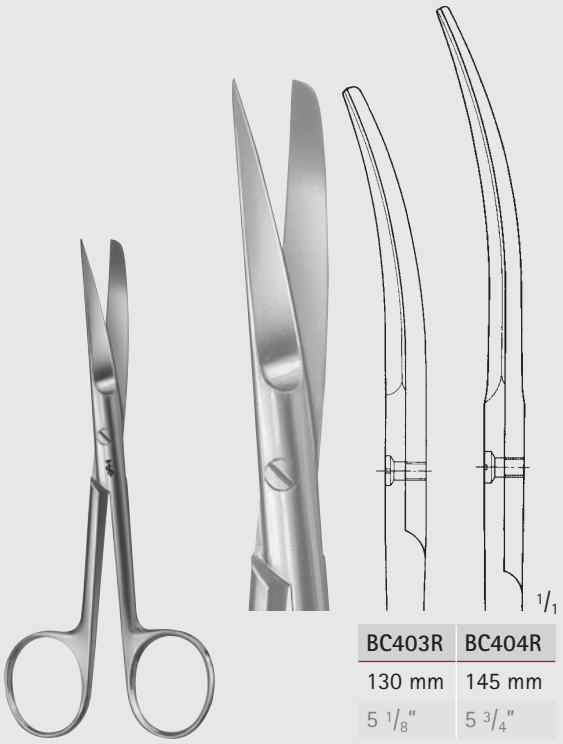
1/1

BC421R-BC428R
Standard patterns
Standard-Modelle

BC421R	BC423R	BC424R	BC425R	BC426R	BC427R	BC428R
115 mm	130 mm	145 mm	150 mm	165 mm	175 mm	185 mm
4 1/2"	5 1/8"	5 3/4"	6"	6 1/2"	7"	7 1/4"

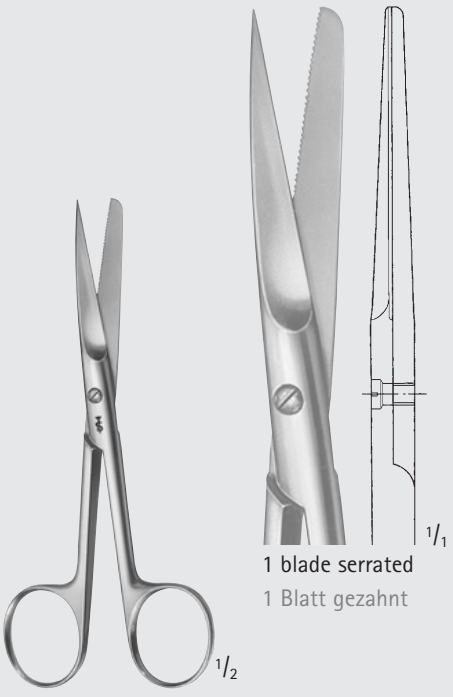
BC303R	BC304R
130 mm	145 mm
5 1/8"	5 3/4"

BC303R–BC304R
slender patterns
schlanke Modelle



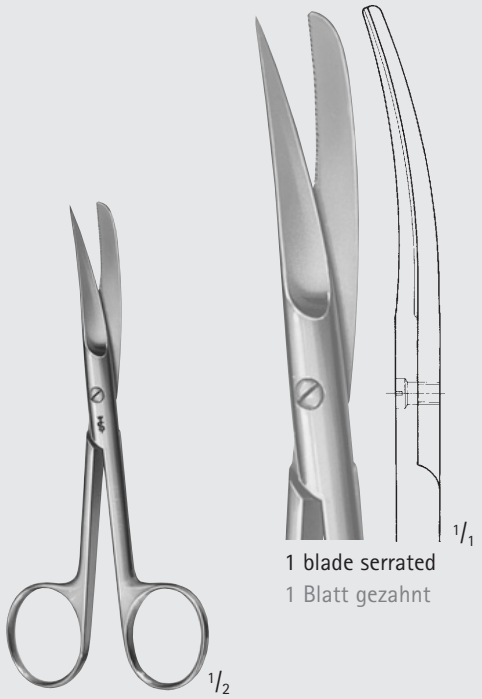
BC403R	BC404R
130 mm	145 mm
5 1/8"	5 3/4"

BC403R–BC404R
slender patterns
schlanke Modelle



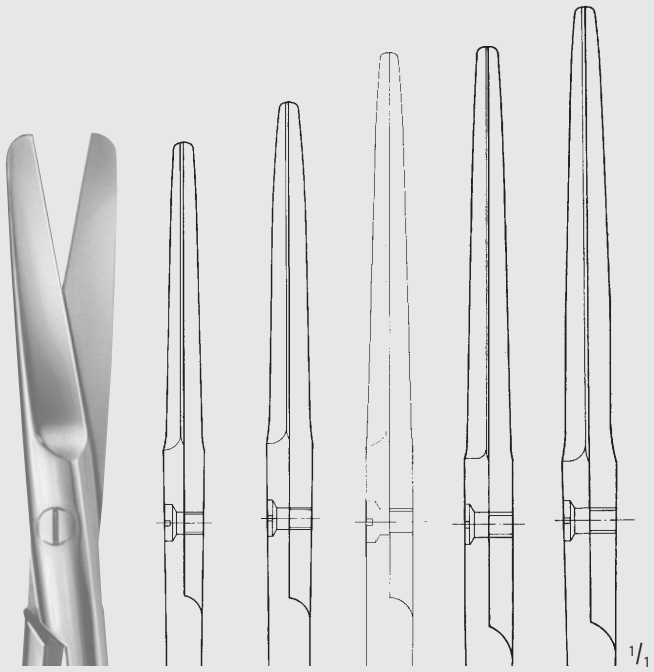
1 blade serrated
1 Blatt gezahnt

BC496R
Scissors for wound edges
Wundrandschere
130 mm, 5 1/8"



1 blade serrated
1 Blatt gezahnt

BC497R
Scissors for wound edges
Wundrandschere
130 mm, 5 1/8"



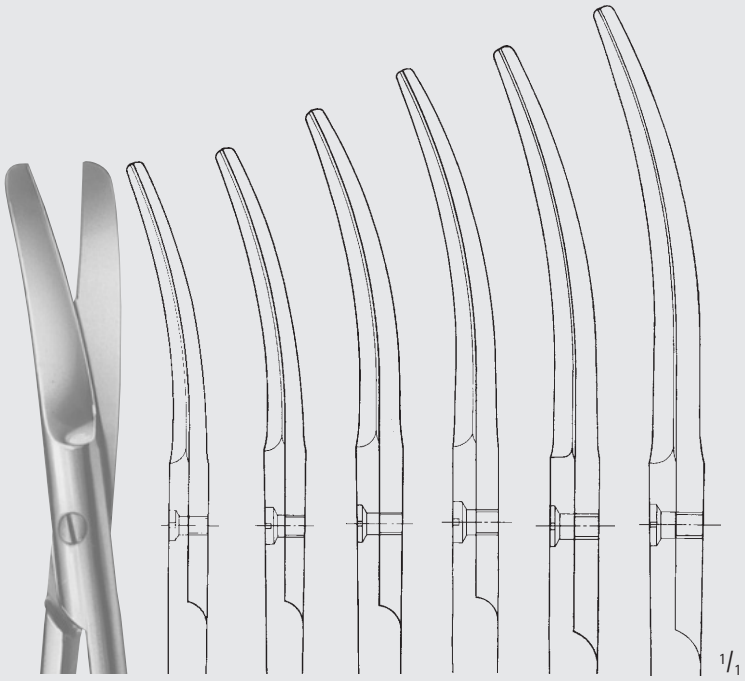
COOPER

BC313R–BC317R

Standard patterns

Standard-Modelle

BC313R	BC314R	BC315R	BC316R	BC317R
130 mm	145 mm	150 mm	165 mm	175 mm
5 1/8"	5 3/4"	6"	6 1/2"	7"



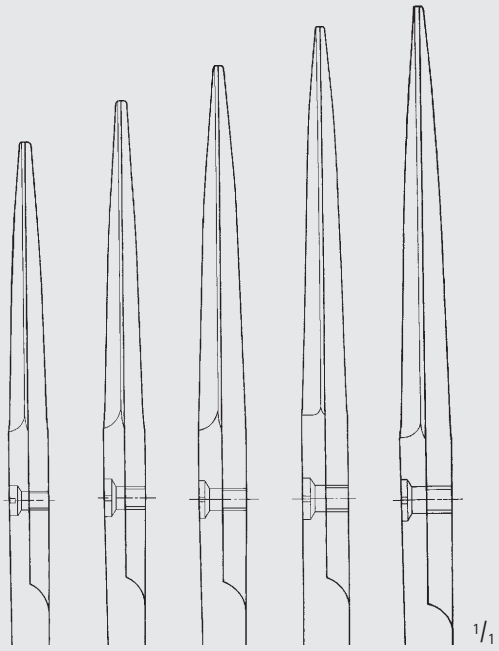
COOPER

BC411R–BC417R

Standard patterns

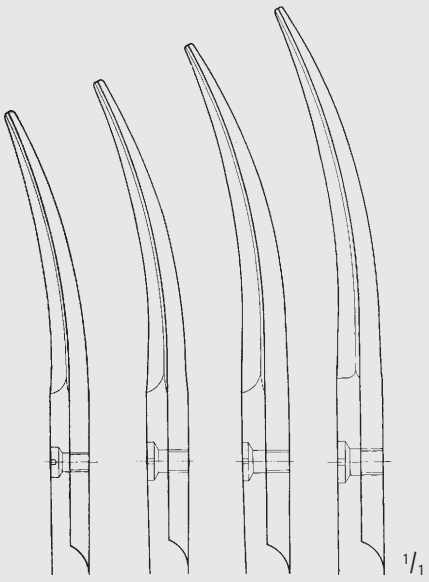
Standard-Modelle

BC411R	BC413R	BC414R	BC415R	BC416R	BC417R
115 mm	130 mm	145 mm	150 mm	165 mm	175 mm
4 1/2"	5 1/8"	5 3/4"	6"	6 1/2"	7"



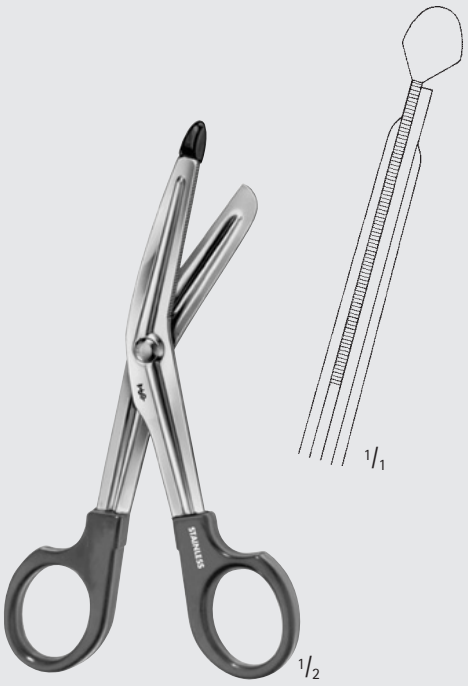
BC341R	BC343R	BC344R	BC345R	BC346R
115 mm	130 mm	145 mm	150 mm	165 mm
4 1/2"	5 1/8"	5 3/4"	6"	6 1/2"

BC341R–BC346R
Standard patterns
Standard-Modelle



BC441R	BC443R	BC444R	BC445R
115 mm	130 mm	145 mm	150 mm
4 1/2"	5 1/8"	5 3/4"	6"

BC441R–BC445R
Standard patterns
Standard-Modelle



LISTER

BC885R	black	schwarz	**BC975R**	orange	orange
BC970R	red	rot	**BC977R**	pink	pink
BC971R	blue	blau	**BC978R**	light green	hellgrün
BC973R	yellow	gelb	**BC979R**	violet	violett

Universal bandage and cloth scissors,with toothed edges, autoclavable up to 143 °C (3 bar)

Universal Verband- und Kleiderstoffschere, mit gezahnten Schneiden, autoklavierbar bis 143 °C (3 bar)

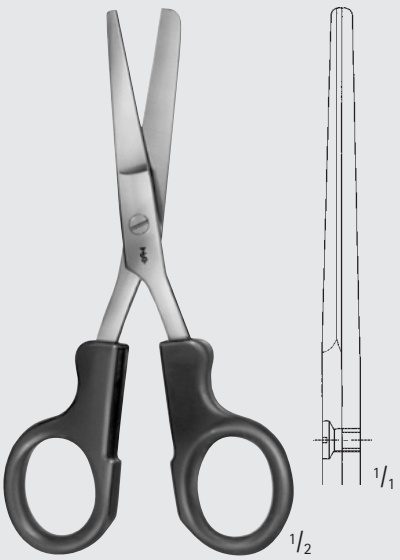
145 mm, 5 3/4"

BC881R	black	schwarz	**BC985R**	orange	orange
BC980R	red	rot	**BC987R**	pink	pink
BC981R	blue	blau	**BC988R**	light green	hellgrün
BC983R	yellow	gelb	**BC989R**	violet	violett

Universal bandage and cloth scissors, with toothed edges, autoclavable up to 143 °C (3 bar)

Universal Verband- und Kleiderstoffschere, mit gezahnten Schneiden, autoklavierbar bis 143 °C (3 bar)

180 mm, 7"

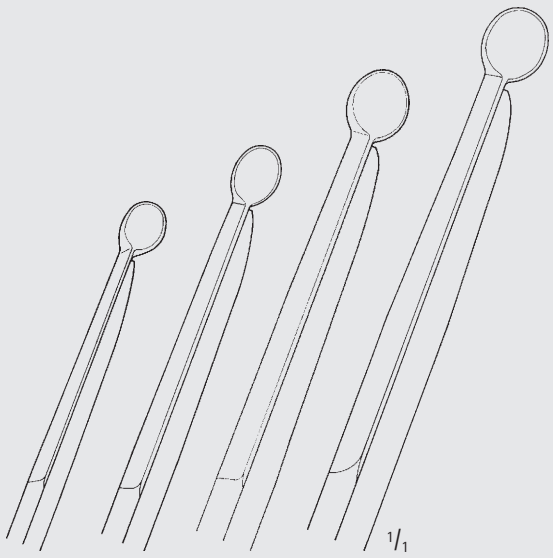


BC890R

Nurse`s scissors, autoclavable up to 143°C (3 bar)

Schwesternschere, autoklavierbar bis 143°C (3 bar)

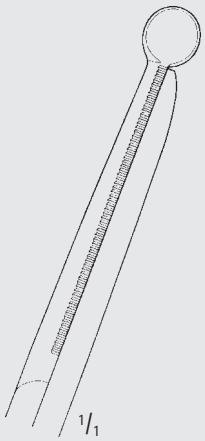
145 mm, 5 3/4"



BC860R	BC861R	BC862R	BC863R
115 mm	140 mm	180 mm	200 mm
4 1/2"	5 1/2"	7"	8"

LISTER

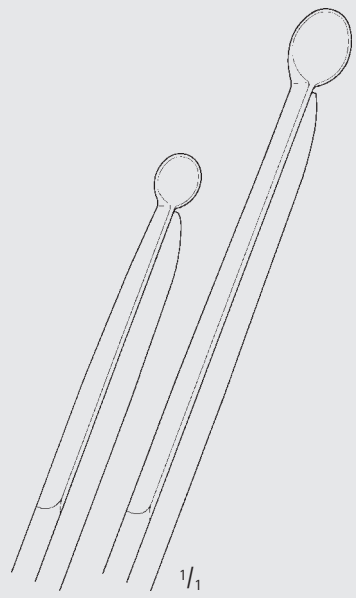
BC860R–BC863R



LISTER

BC876R

160 mm, 6 1/4"

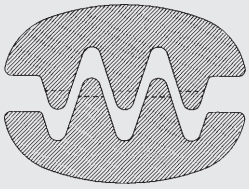


BC848R	BC849R
155 mm	180 mm
6"	7"

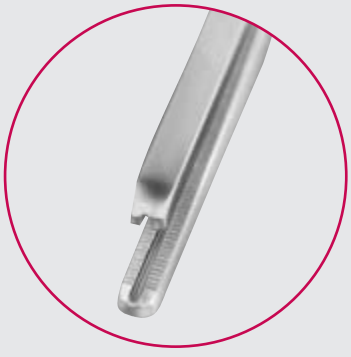
LISTER

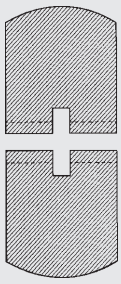
BC848R–BC849R

DE BAKEY
1 : 2 rows of teeth
1 : 2 Zahnreihen

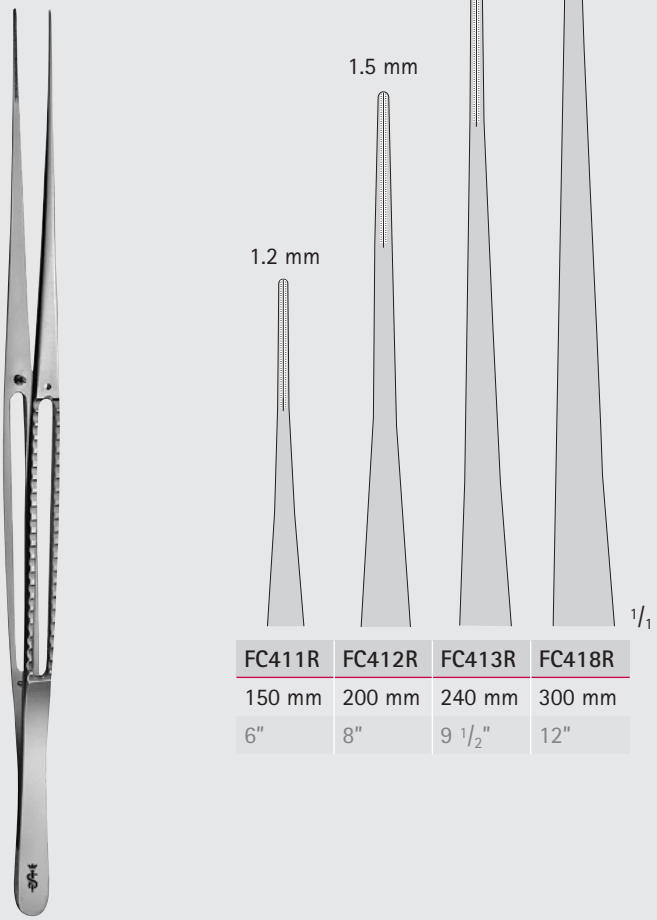


DE BAKEY
2 : 3 rows of teeth
2 : 3 Zahnreihen





COOLEY
2 : 2 rows of teeth
2 : 2 Zahnreihen



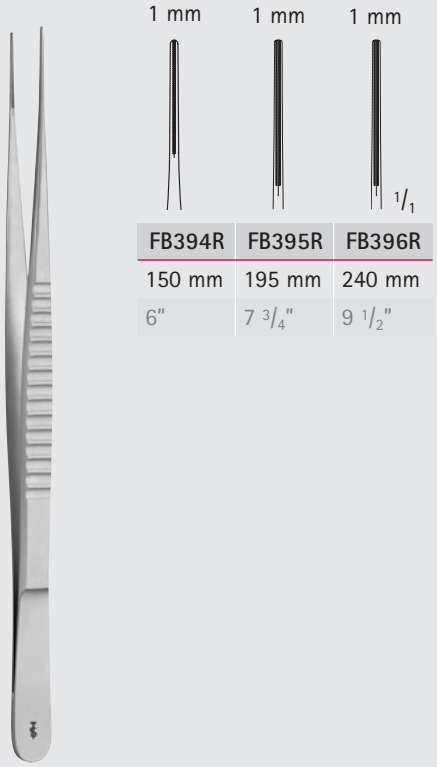
FC411R	FC412R	FC413R	FC418R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

DE BAKEY

FC411R–FC418R

Ultra-Light Forceps

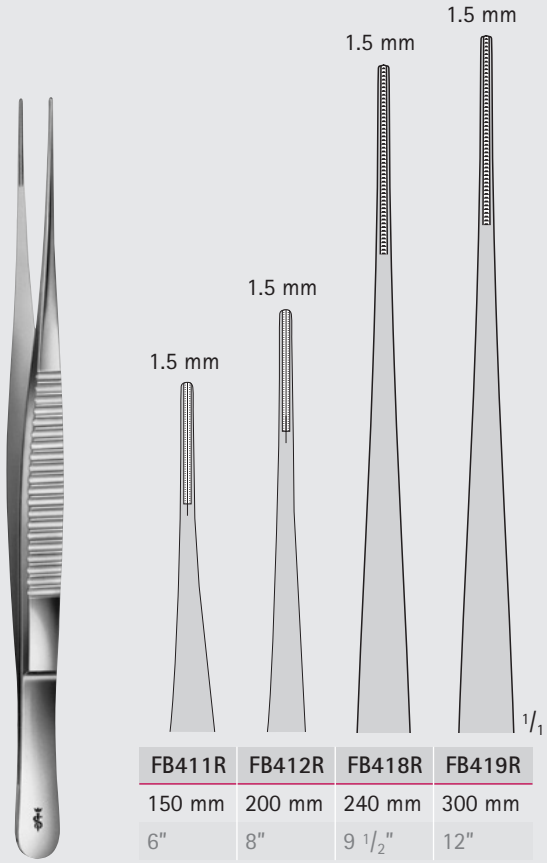
Ultra-Light Pinzetten



FB394R	FB395R	FB396R
150 mm	195 mm	240 mm
6"	7 3/4"	9 1/2"

DE BAKEY

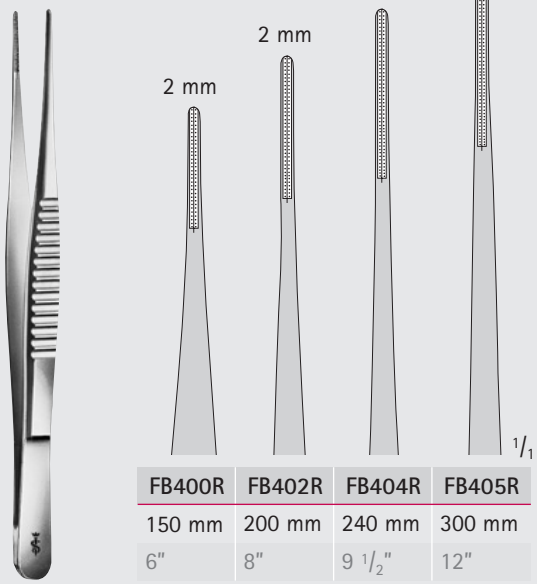
FB394R–FB396R



FB411R	FB412R	FB418R	FB419R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

DE BAKEY

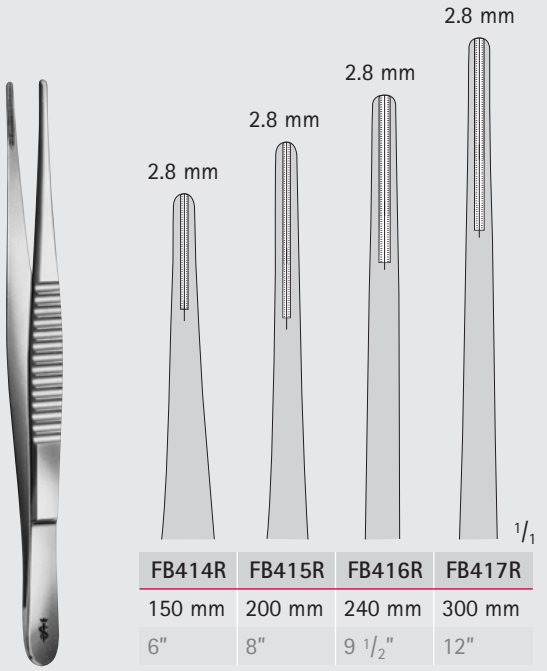
FB411R–FB419R



FB400R	FB402R	FB404R	FB405R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

DE BAKEY

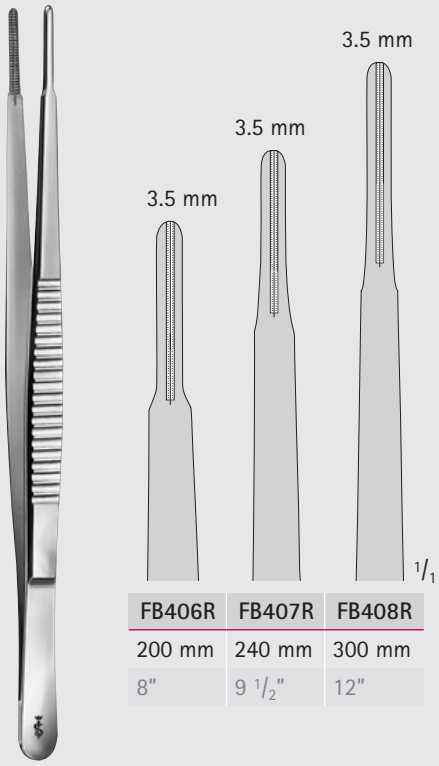
FB400R–FB405R



FB414R	FB415R	FB416R	FB417R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

DE BAKEY

FB414R–FB417R



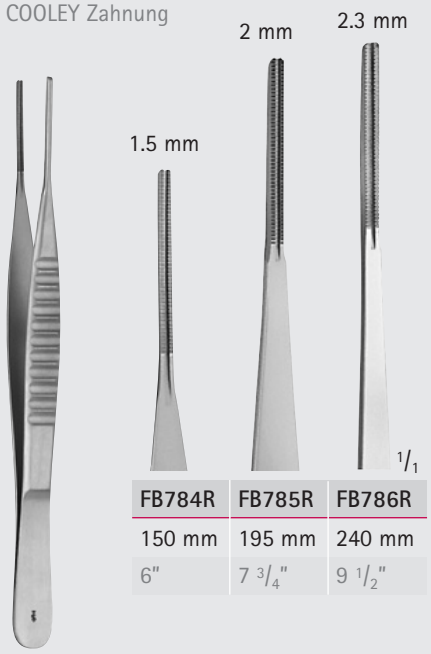
FB406R	FB407R	FB408R
200 mm	240 mm	300 mm
8"	9 1/2"	12"

DE BAKEY

FB406R–FB408R

Toothing COOLEY

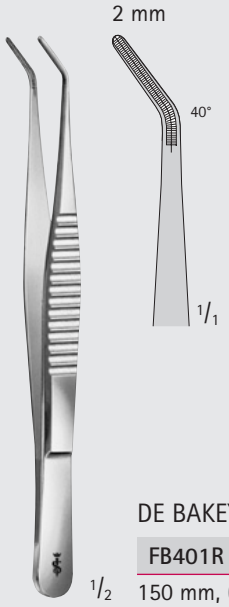
COOLEY Zahnung



FB784R	FB785R	FB786R
150 mm	195 mm	240 mm
6"	7 3/4"	9 1/2"

COOLEY

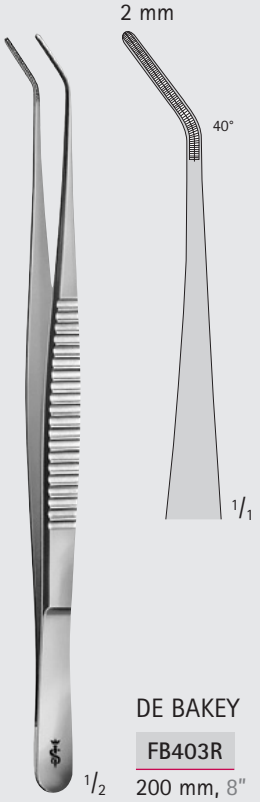
FB784R–FB786R



DE BAKEY

FB401R

150 mm, 6"



DE BAKEY

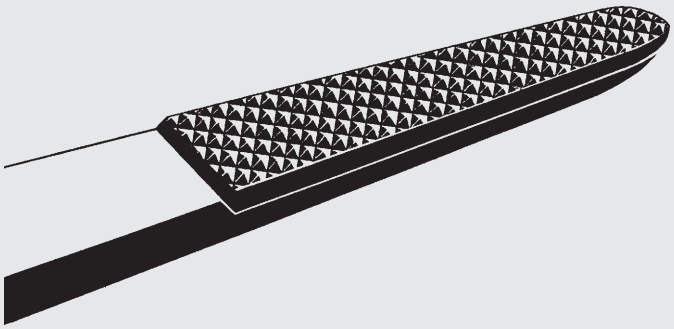
FB403R

200 mm, 8"

DE BAKEY

FB410R

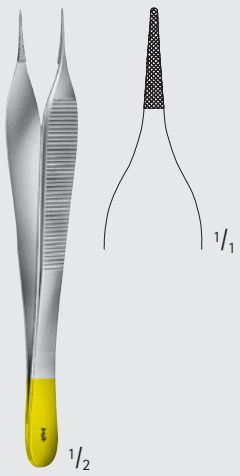
240 mm, 9 1/2"



- Precisely worked out fine structure of carbide inserts
- thus firm and non-traumatic gripping of tissue
- universal in use – long working life
- Fein strukturiertes und präzise gearbeitetes Haftprofil
- Sicheres und zugleich schonendes Fassen
- Universell verwendbar – unverwüstlich im Gebrauch

DUROGRIP® Dissecting forceps with carbide inserts
- **Identification: gold-plated end**

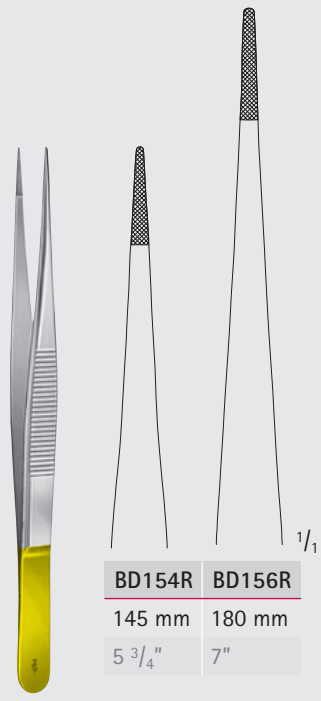
DUROGRIP® Pinzetten mit Hartmetall-Plättchen
- Kennzeichnung: vergoldete Feder



ADSON

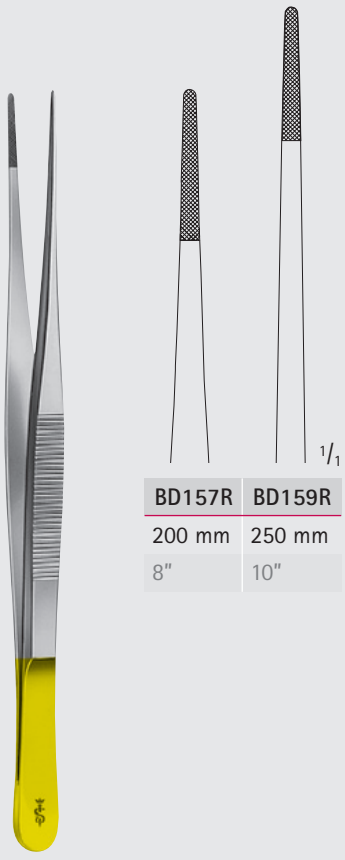
BD151R

120 mm, 4 3/4"



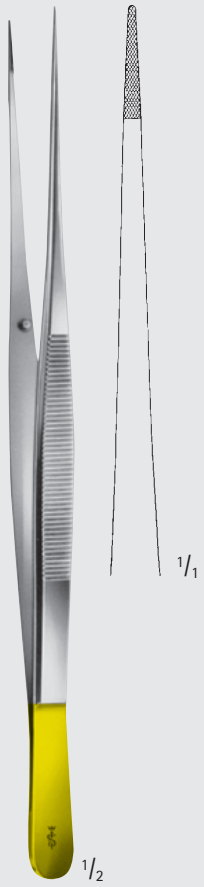
BD154R	BD156R
145 mm	180 mm
5 3/4"	7"

BD154R–BD156R



BD157R	BD159R
200 mm	250 mm
8"	10"

BD157R–BD159R



BD158R

230 mm, 9"

DIA DUST®

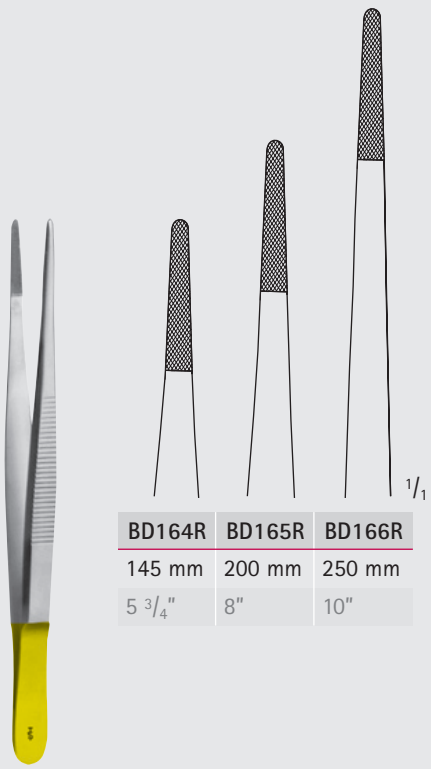
The diamond dust coating ensures an even harder and more wear resistant surface on the inside of the jaws. Moreover, the structure of the DIA DUST® coating guarantees a reliable grip for fine needles and sutures, as well as for tissue.

Die Diamantstaubbeschichtung sorgt für eine noch härtere und verschleißfestere Maulinnenfläche. Darüber hinaus garantiert die Struktur der DIA DUST®-Beschichtung ein zuverlässiges Fassen von feinen Nadeln und Nahtmaterialien sowie von Weichgewebe.

BD200R	BD201R
180 mm	210 mm
7"	8 1/4"

THUMB

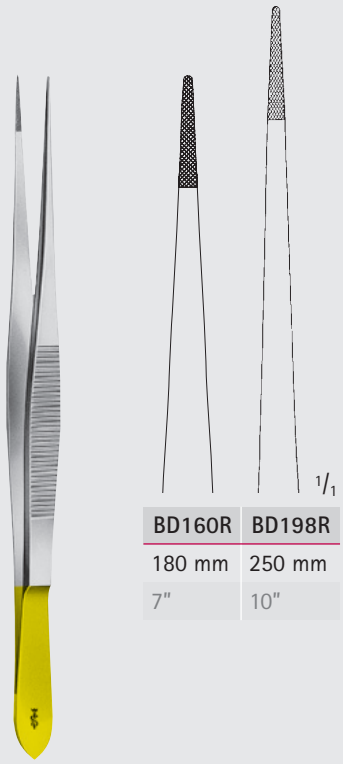
BD200R–BD201R



BD164R	BD165R	BD166R
145 mm	200 mm	250 mm
5 3/4"	8"	10"

STANDARD

BD164R–BD166R



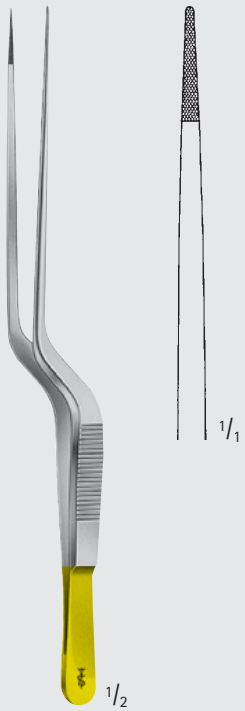
BD160R	BD198R
180 mm	250 mm
7"	10"

CUSHING

BD160R–BD198R

with scraper end

mit Schaber



GRUENWALD

BD168R

185 mm, 7 1/4"

1/1

Cushion shaped tip ensures a safe and gentle grasping of the thread

Besonders sicheres und schonendes Fassen des Fadens durch kissenförmige Maulform

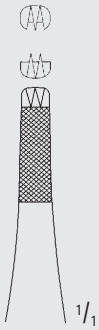
1/2

BD180R

Suture forceps

Nahtpinzette

200 mm, 8"



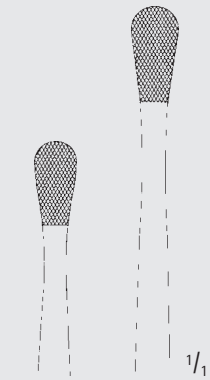
1/1

1/2

FERRIS-SMITH

BD181R

175 mm, 7"

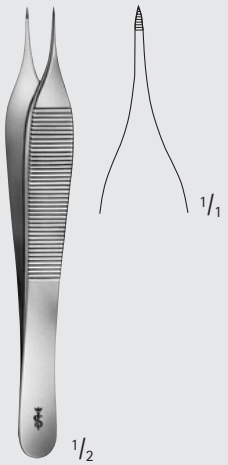


1/1

BD171R	BD173R
150 mm	230 mm
6"	9"

WANGENSTEEN

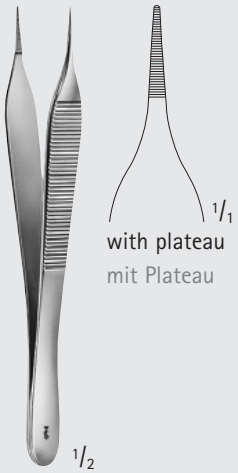
BD171R–BD173R



THORPE

OC069R

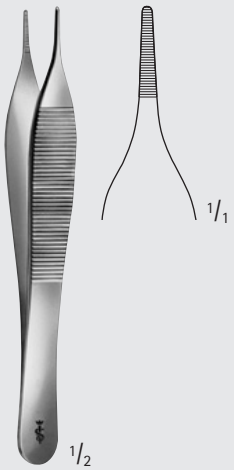
120 mm, 4 3/4"



MICRO-ADSON

BD220R

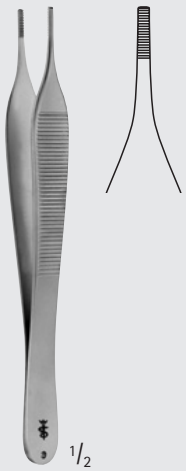
120 mm, 4 3/4"



ADSON

BD222R

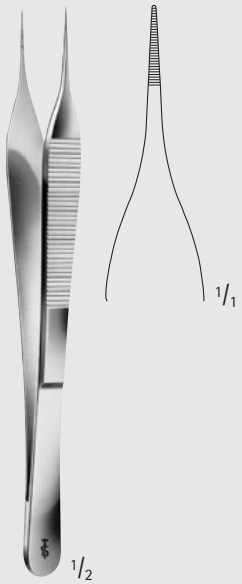
120 mm, 4 3/4"



HUDSON

BD225R

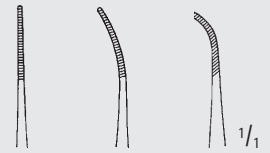
125 mm, 5"



MICRO-ADSON

BD223R

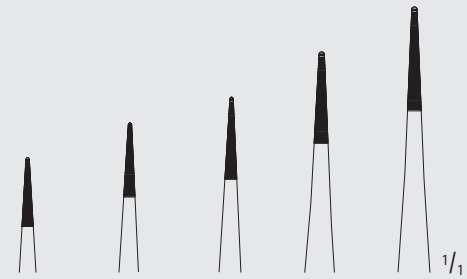
150 mm, 6"



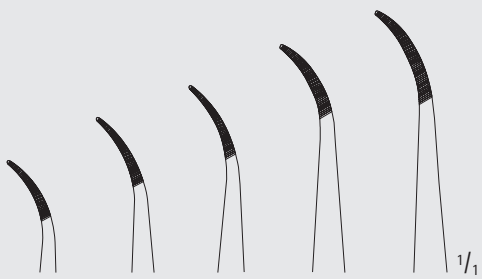
OC020R	OC021R	OC022R

OC020R–OC022R

100 mm, 4"



BD301R	BD302R	BD303R	BD304R	BD305R
90 mm	105 mm	115 mm	130 mm	145 mm
3 1/2"	4 1/8"	4 1/2"	5 1/8"	5 3/4"

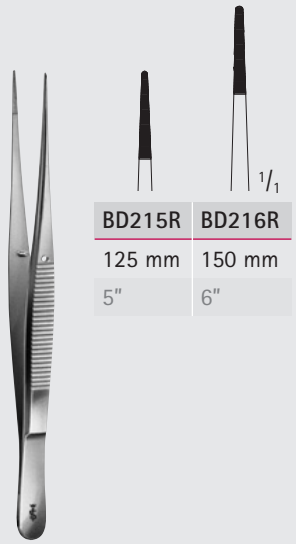


BD311R	BD312R	BD313R	BD314R	BD315R
90 mm	105 mm	115 mm	130 mm	145 mm
3 1/2"	4 1/8"	4 1/2"	5 1/8"	5 3/4"

BD301R–BD315R

Forceps
Pinzetten

INCHES



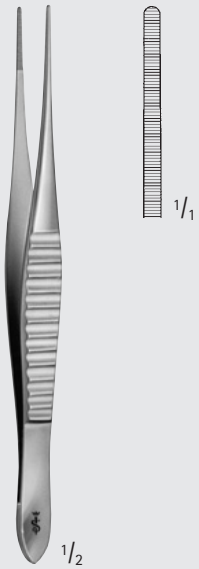
BD215R	BD216R
125 mm	150 mm
5"	6"

SEMKEN

BD215R–BD216R

BD217R

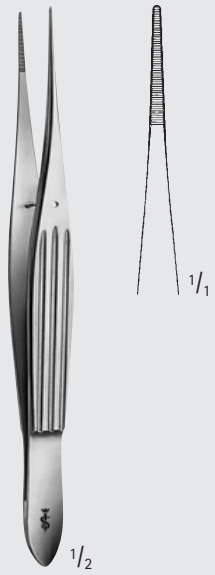
155 mm, 6"



GILLIES

BD213R

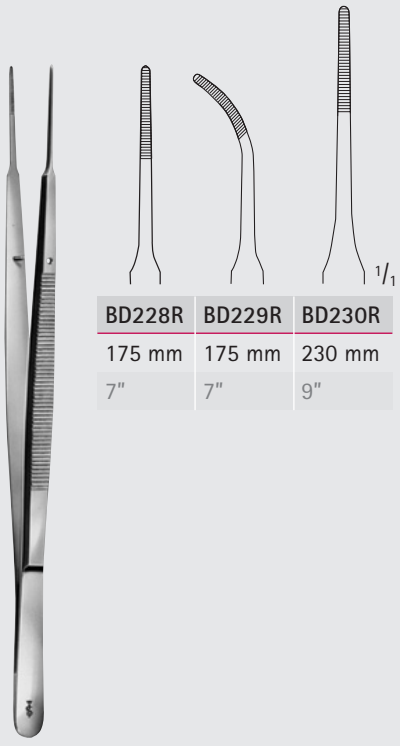
150 mm, 6"



MC INDOE

BD236R

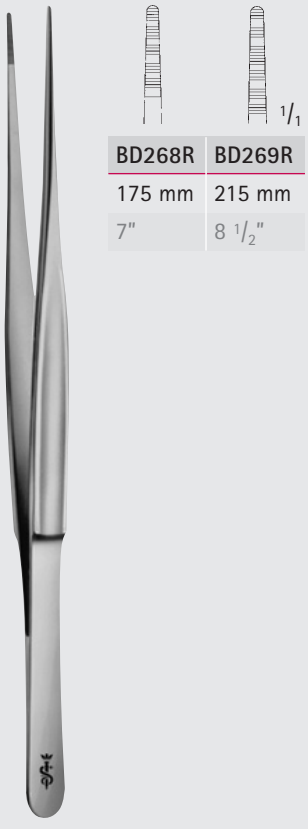
150 mm, 6"



BD228R	BD229R	BD230R
175 mm	175 mm	230 mm
7"	7"	9"

GERALD

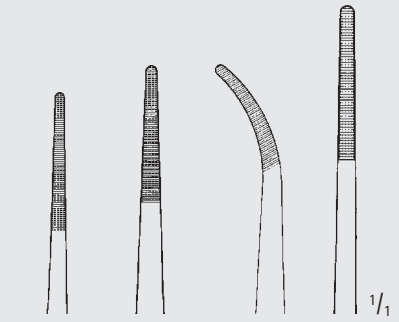
BD228R–BD230R



BD268R	BD269R
175 mm	215 mm
7"	8 1/2"

CAIRNS-DOTT

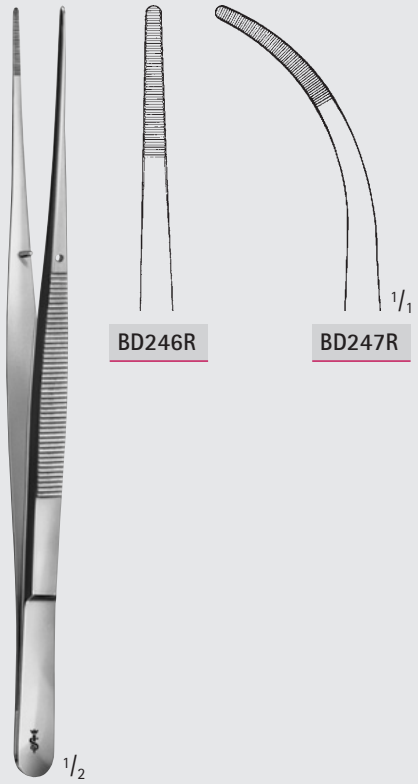
BD268R–BD269R



BD238R	BD239R	BD243R	BD240R
180 mm	200 mm	200 mm	250 mm
7"	8"	8"	10"

CUSHING

BD238R-BD243R

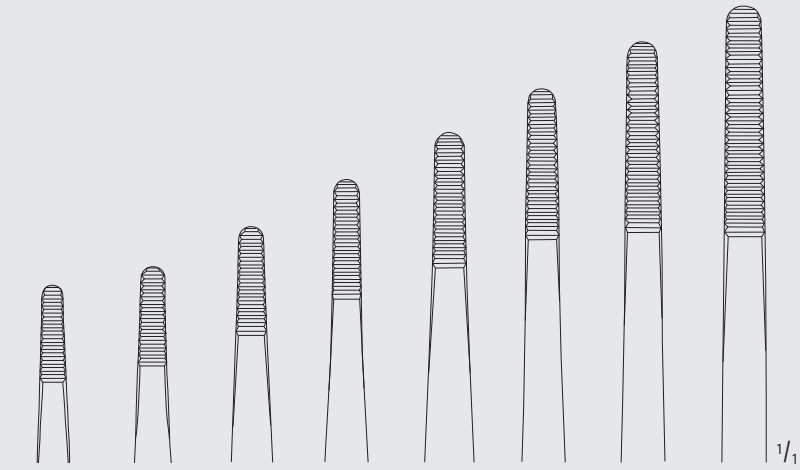


BD246R	BD247R

BROPHY

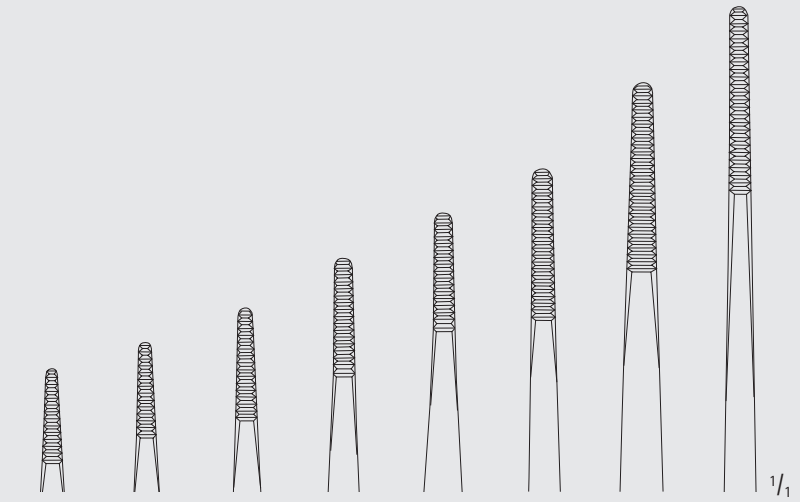
BD246R-BD247R

200 mm, 8"



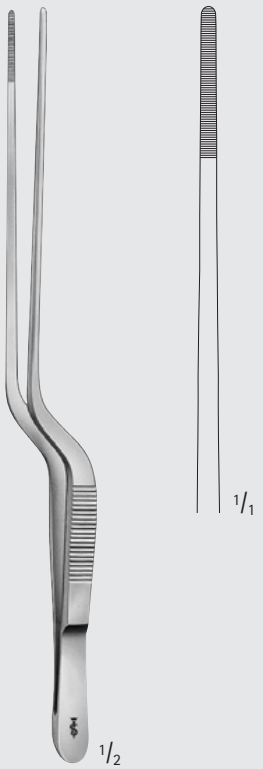
BD043R	BD045R	BD047R	BD049R	BD050R	BD051R	BD052R	BD053R
115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm
4 1/2"	5 1/8"	5 3/4"	6 1/4"	7"	8"	10"	12"

BD043R–BD053R
Standard patterns
Standard-Modelle



BD023R	BD025R	BD027R	BD029R	BD030R	BD031R	BD032R	BD033R
115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	305 mm
4 1/2"	5 1/8"	5 3/4"	6 1/4"	7"	8"	10"	12"

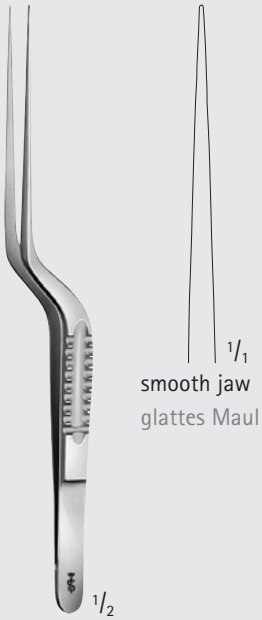
BD023R–BD033R
medium
mittelbreit



GRUENWALD

BD883R

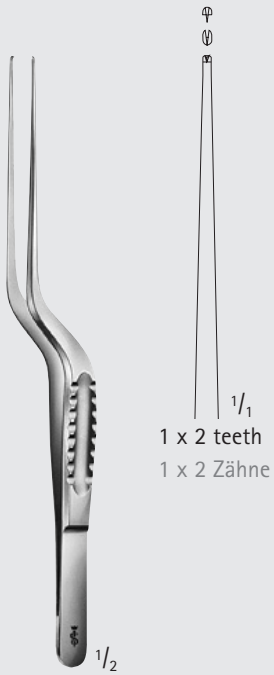
200 mm, 8"



smooth jaw
glattes Maul

BD887R

160 mm, 6 1/4"



1 x 2 teeth
1 x 2 Zähne

BD888R

160 mm, 6 1/4"

smooth jaw
glattes Maul

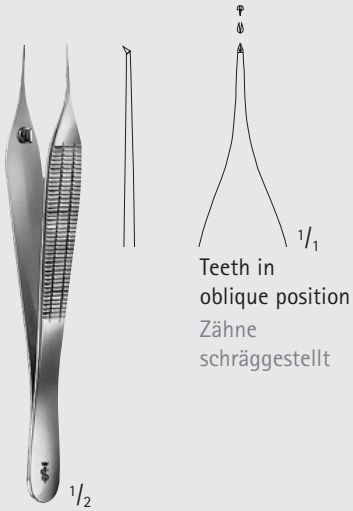
BD885R

185 mm, 7 1/4"

1 x 2 teeth
1 x 2 Zähne

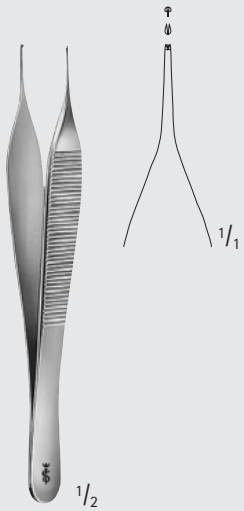
BD886R

200 mm, 8"

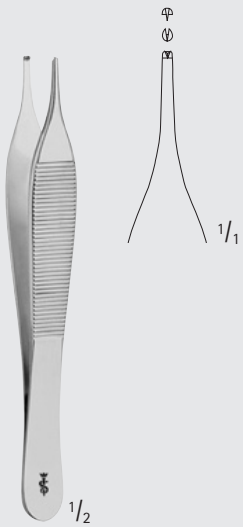


Teeth in oblique position
Zähne schräggestellt

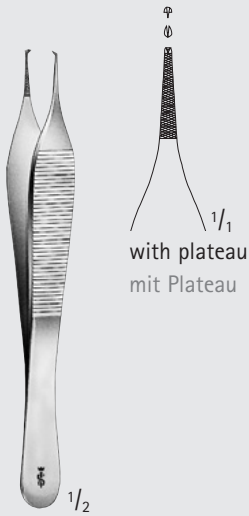
MICRO-ADSON-BIEMER
BD509R
120 mm, 4 3/4"



MICRO-ADSON
BD510R
120 mm, 4 3/4"

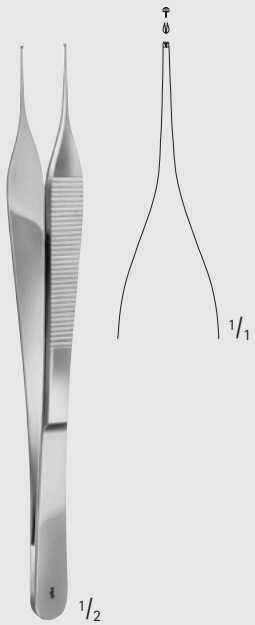


ADSON
BD511R
120 mm, 4 3/4"



with plateau
mit Plateau

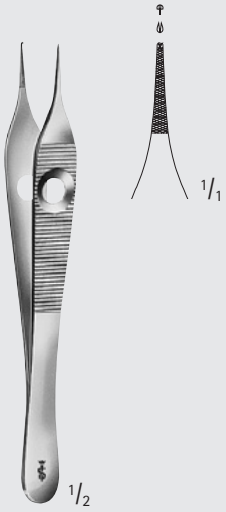
ADSON
BD512R
120 mm, 4 3/4"



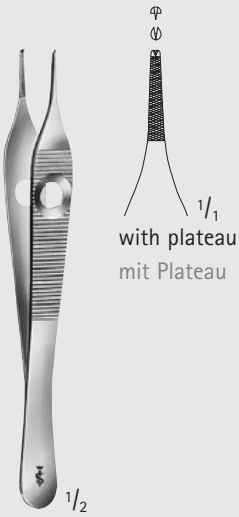
ADSON
BD520R
150 mm, 6"

ADSON
BD522R
180 mm, 7"

JEFFERSON
BD523R
180 mm, 7"

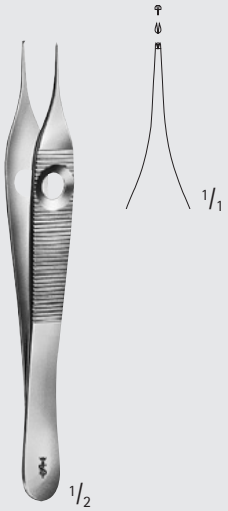


ADSON
BD508R
120 mm, 4 3/4"

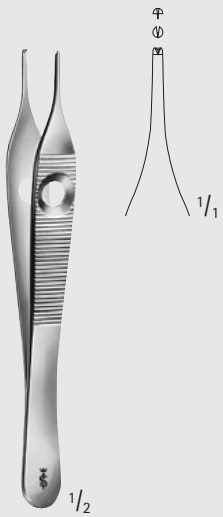


with plateau
mit Plateau

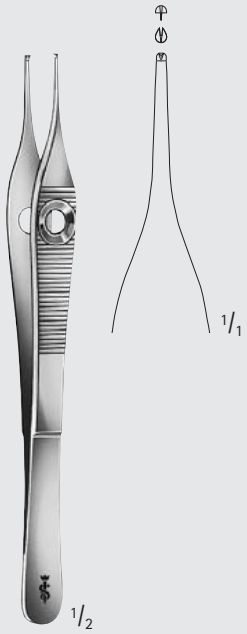
ADSON
BD513R
120 mm, 4 3/4"



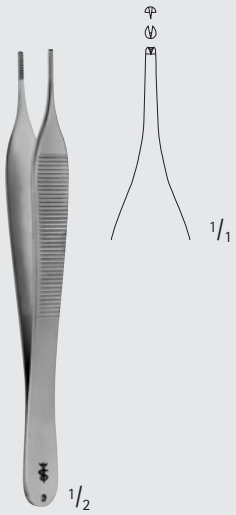
ADSON
BD506R
120 mm, 4 3/4"



ADSON
BD507R
120 mm, 4 3/4"



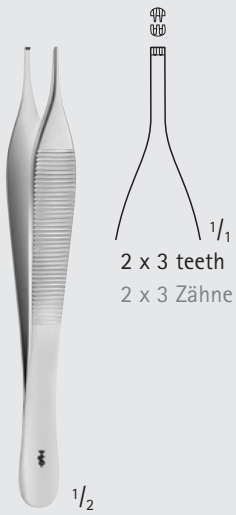
ADSON
BD521R
150 mm, 6"



HUDSON

MB291R

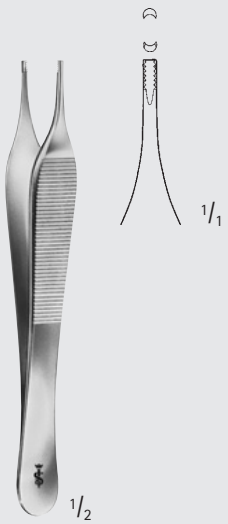
125 mm, 4 7/8"



ADSON

MB454R

120 mm, 4 3/4"



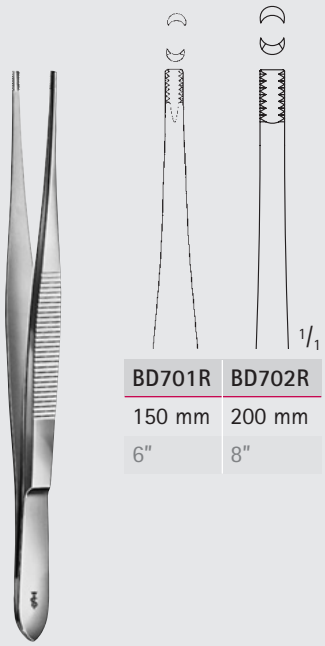
ADSON-BROWN

BD700R

Tissue forceps, sharp

Hautpinzette, scharf

120 mm, 4 3/4"



BD701R	BD702R
150 mm	200 mm
6"	8"

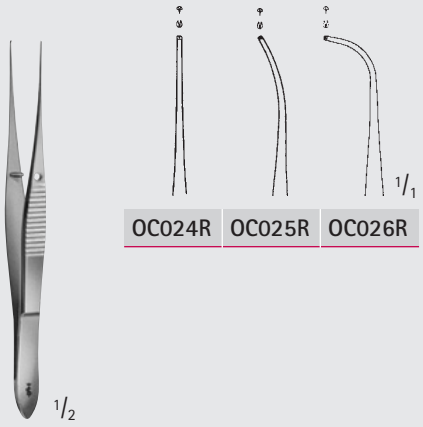
BROWN

BD701R–BD702R

GRAEFE

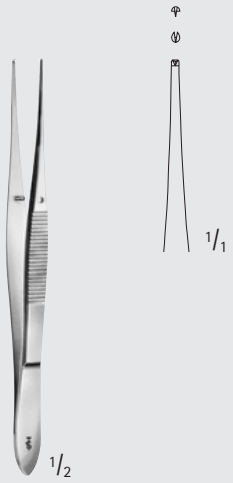
OC100R

110 mm, 4 1/2"

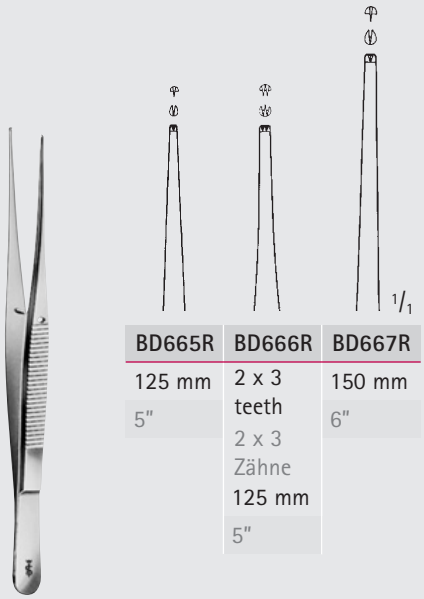


OC024R	OC025R	OC026R

OC024R-OC026R
very delicate
sehr fein
100 mm, 4"

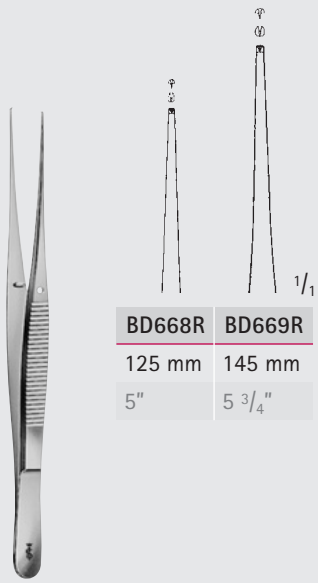


BD501R
110 mm, 4 3/8"



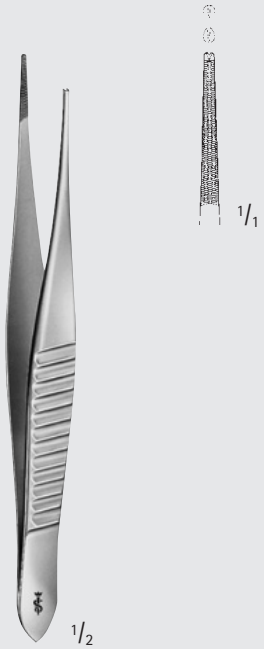
BD665R	BD666R	BD667R
125 mm 5"	2 x 3 teeth 2 x 3 Zähne 125 mm 5"	150 mm 6"

SEMKEN
BD665R-BD667R



BD668R	BD669R
125 mm 5"	145 mm 5 3/4"

SEMKEN
BD668R-BD669R

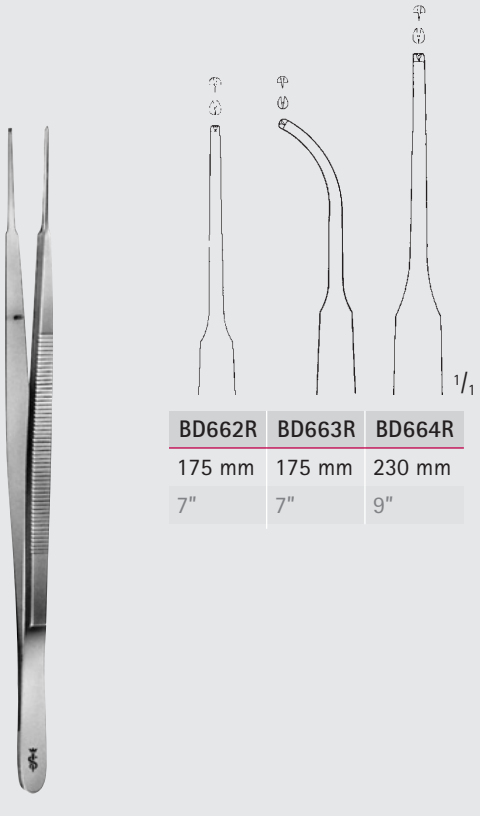


GILLIES

BD660R
155 mm, 6"

MC INDOE

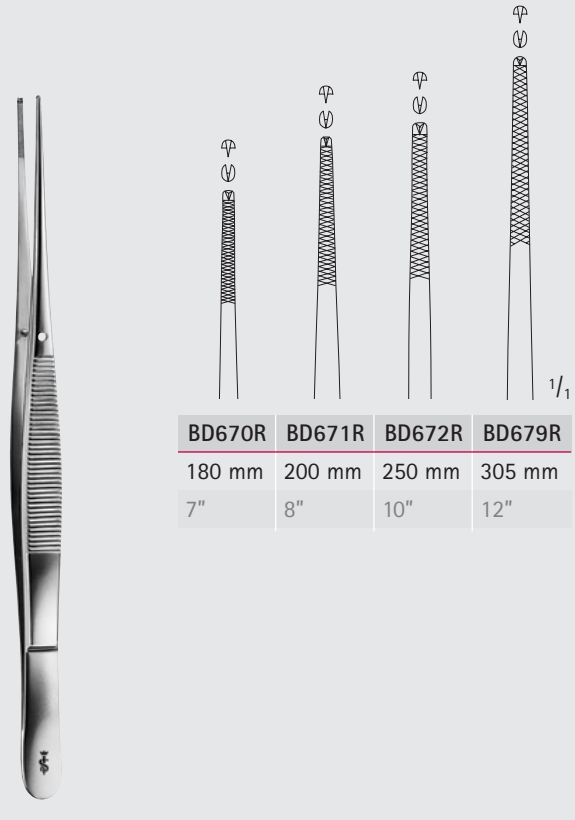
BD661R
150 mm, 6"



BD662R	BD663R	BD664R
175 mm	175 mm	230 mm
7"	7"	9"

GERALD

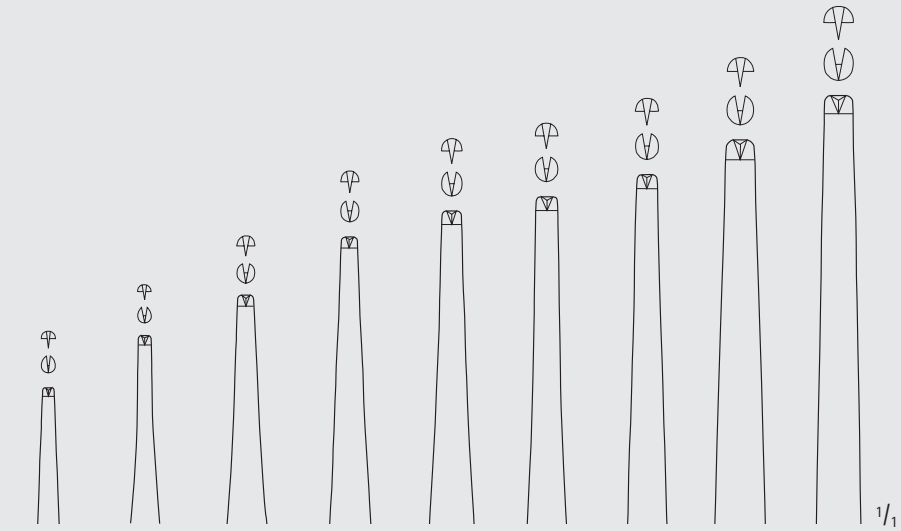
BD662R–BD664R



BD670R	BD671R	BD672R	BD679R
180 mm	200 mm	250 mm	305 mm
7"	8"	10"	12"

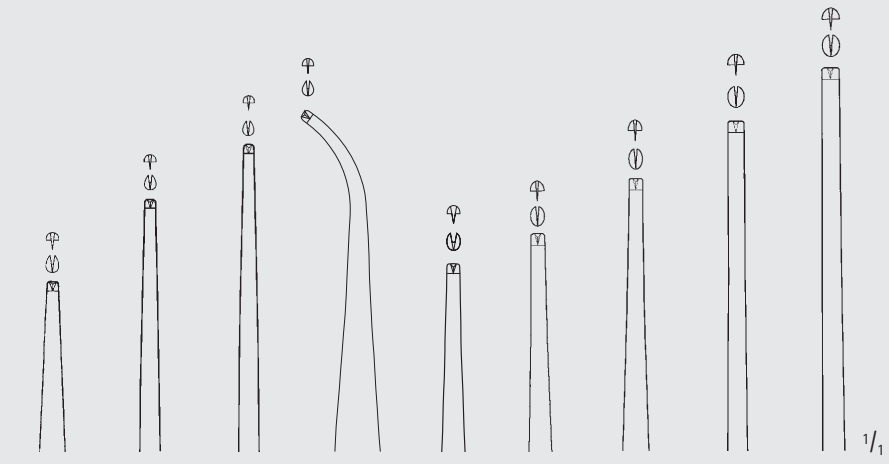
WAUGH

BD670R–BD679R



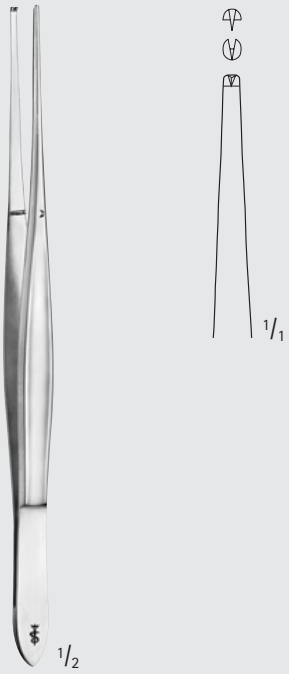
BD552R	BD553R	BD555R	BD557R	BD559R	BD560R	BD561R	BD562R	BD563R
105 mm	115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm
4 1/8"	4 1/2"	5 1/8"	5 3/4"	6 1/4"	7"	8"	10"	12"

BD552R–BD563R
Standard patterns
Standard-Modelle



BD533R	BD535R	BD537R	BD527R	BD539R	BD540R	BD541R	BD542R	BD543R
115 mm	130 mm	145 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm
4 1/2"	5 1/8"	5 3/4"	5 3/4"	6 1/4"	7"	8"	10"	12"

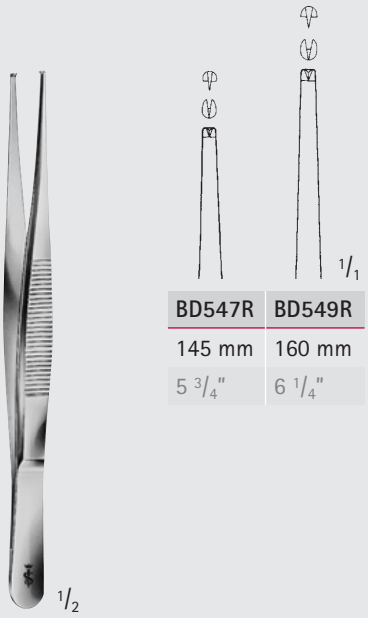
BD527R–BD543R
medium
mittelbreit



CUSHING

MD463

180 mm, 7"

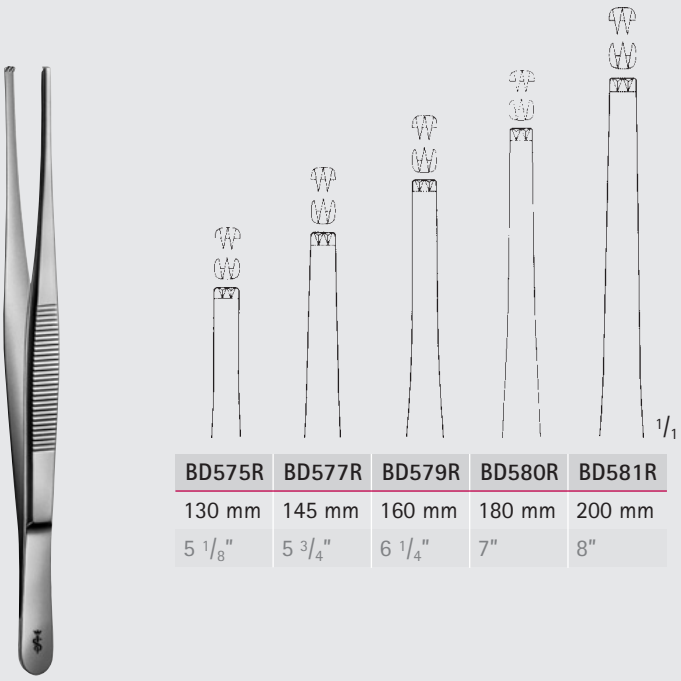


BD547R	BD549R
145 mm	160 mm
5 3/4"	6 1/4"

BD547R–BD549R

stronger as BD537R and BD539R
but finer than BD557R and BD559R

kräftiger als BD537R und BD539R
aber feiner als BD557R und BD559R

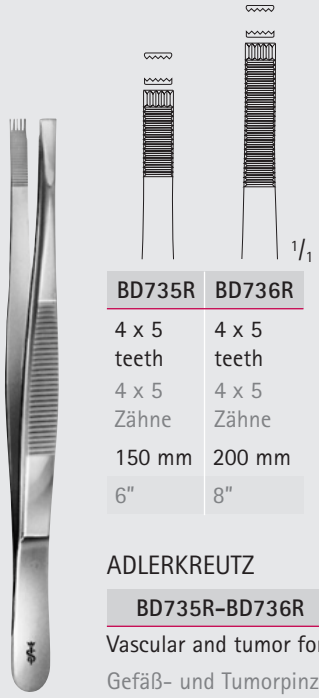


BD575R	BD577R	BD579R	BD580R	BD581R
130 mm	145 mm	160 mm	180 mm	200 mm
5 1/8"	5 3/4"	6 1/4"	7"	8"

BD575R–BD581R

2 x 3 teeth

2 x 3 Zähne



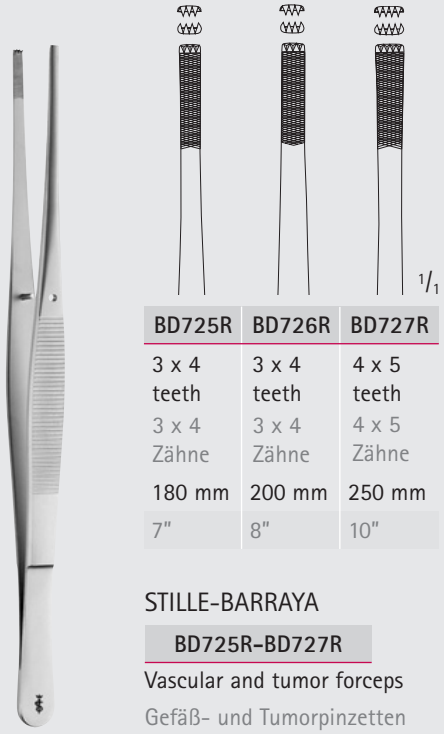
BD735R	BD736R
4 x 5 teeth 4 x 5 Zähne	4 x 5 teeth 4 x 5 Zähne
150 mm	200 mm
6"	8"

ADLERKREUTZ

BD735R–BD736R

Vascular and tumor forceps

Gefäß- und Tumorpinzette



BD725R	BD726R	BD727R
3 x 4 teeth 3 x 4 Zähne	3 x 4 teeth 3 x 4 Zähne	4 x 5 teeth 4 x 5 Zähne
180 mm	200 mm	250 mm
7"	8"	10"

STILLE-BARRAYA

BD725R–BD727R

Vascular and tumor forceps

Gefäß- und Tumorpinzetten

RUSS. MODELL

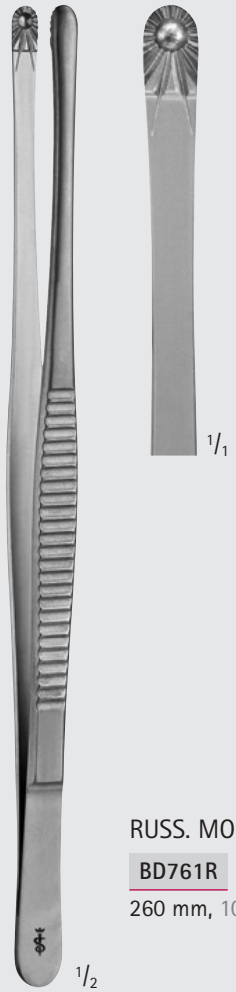
BD755R

150 mm, 6"

RUSS. MODELL

BD760R

200 mm, 8"



RUSS. MODELL

BD761R

260 mm, 10 1/4"

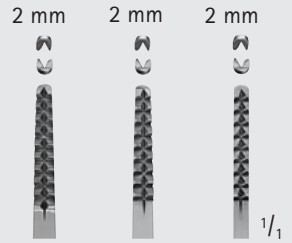
SELMAN

BD750R

155 mm, 6"

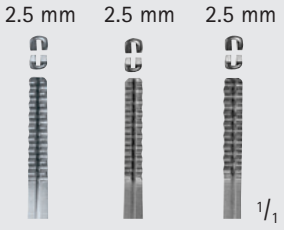
Cardiac valve forceps
- This forceps design can be used in any cardiac valve operation
- The special, atraumatic serration ensures a very secure grip and optimal tissue preservation

Herzklappenpinzetten
- Die Konstruktion dieser Pinzetten ist geeignet für jede Herzklappen-OP
- Die spezielle atraumatische Zahnung ist sehr fasssicher und schonend für das Gewebe



FB397R	FB398R	FB399R
180 mm	230 mm	300 mm
7"	9"	12"

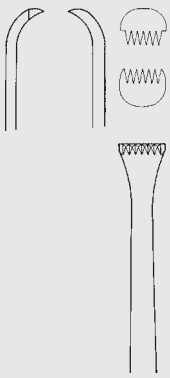
FB397R–FB399R
Cardiac valve forceps
Herzklappenpinzetten



BD710R	BD711R	BD712R
180 mm	205 mm	230 mm
7"	8"	9"

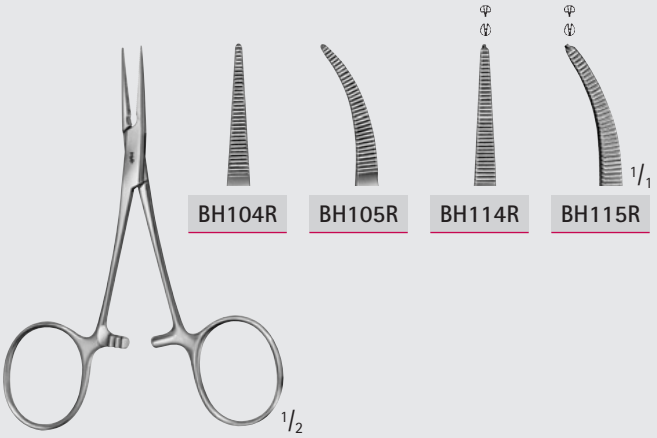
RESANO
BD710R–BD711R
Cardiac valve forceps
Herzklappenpinzetten

TUTTLE
BD801R
Lung grasping forceps
Lungenfasspinzette
230 mm, 9"
1/2



6 x 7 teeth
6 x 7 Zähne

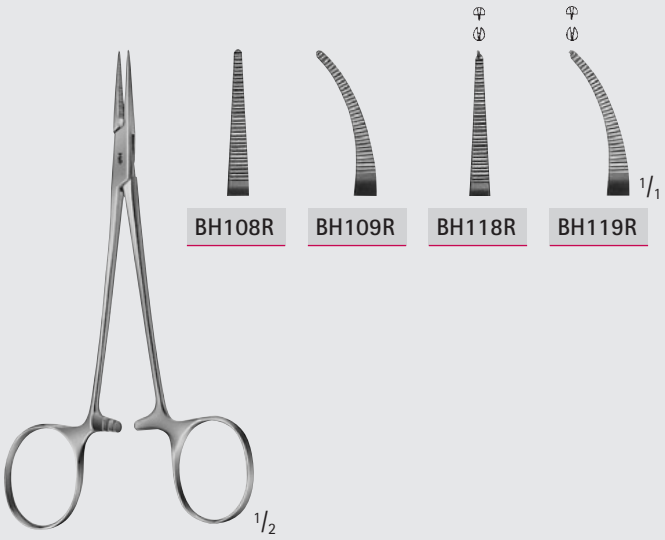
NELSON
BD802R
Lung grasping forceps
Lungenfasspinzette
230 mm, 9"
1/2



BABY-MOSQUITO (HARTMANN)

BH104R–BH115R

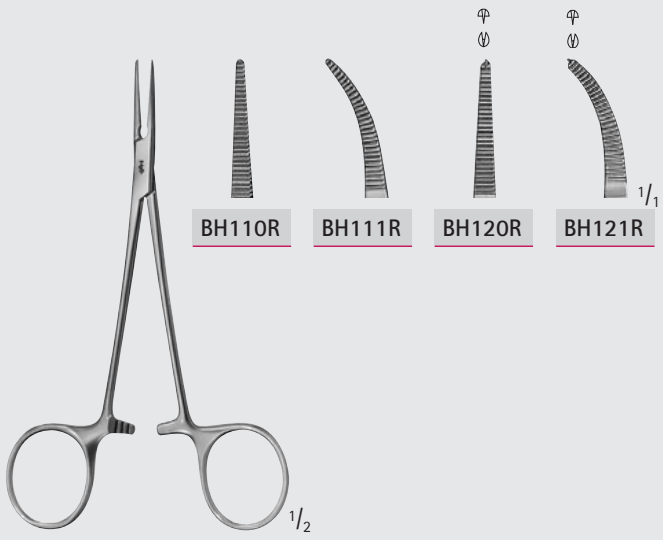
100 mm, 4"



MICRO-HALSTED

BH108R–BH119R

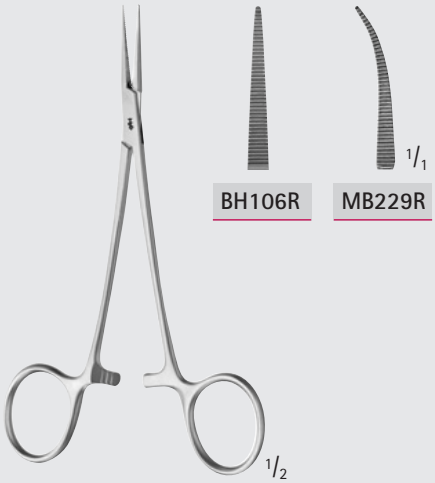
125 mm, 5"



HALSTED-MOSQUITO

BH110R–BH121R

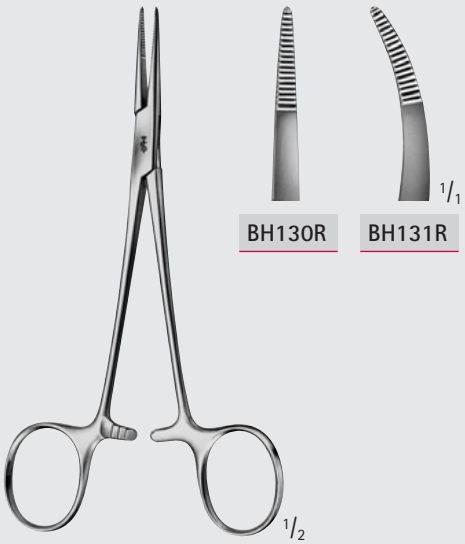
125 mm, 5"



JACOBSON

BH106R–MB229R

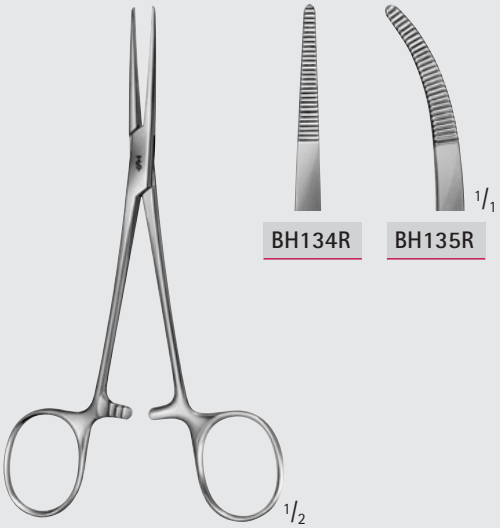
130 mm, 5 1/8"



PROVIDENCE-HOSPITAL

BH130R–BH131R

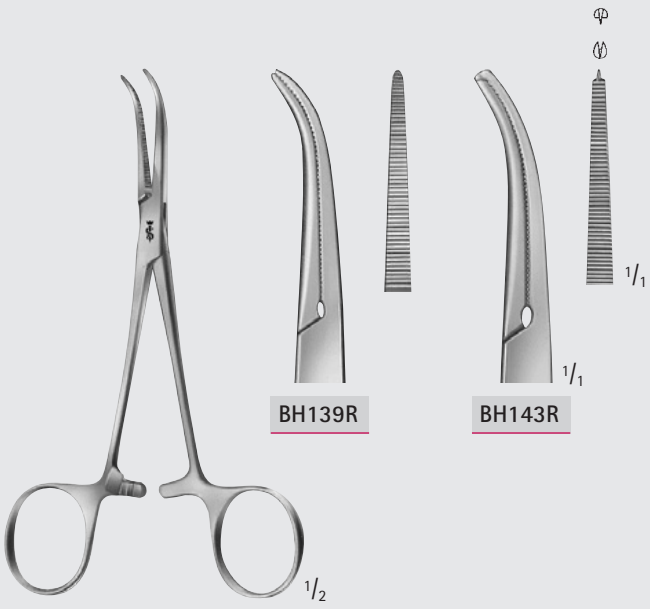
140 mm, 5 1/2"



KELLY

BH134R–BH135R

140 mm, 5 1/2"



DANDY

BH139R–BH143R

curved to side

seitwärts gebogen

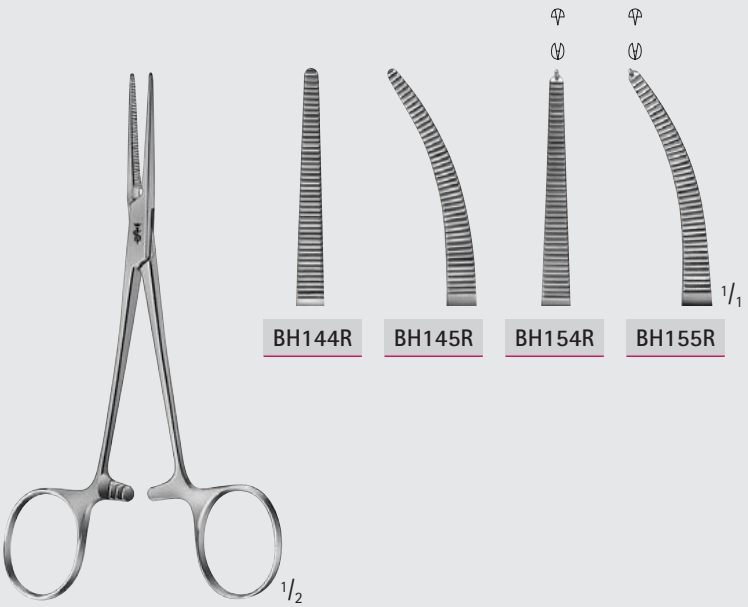
140 mm, 5 1/2"

BH140R | BH141R | BH150R | BH151R

BABY-CRILE

BH140R–BH151R

140 mm, 5 1/2"



BH144R | BH145R | BH154R | BH155R

CRILE

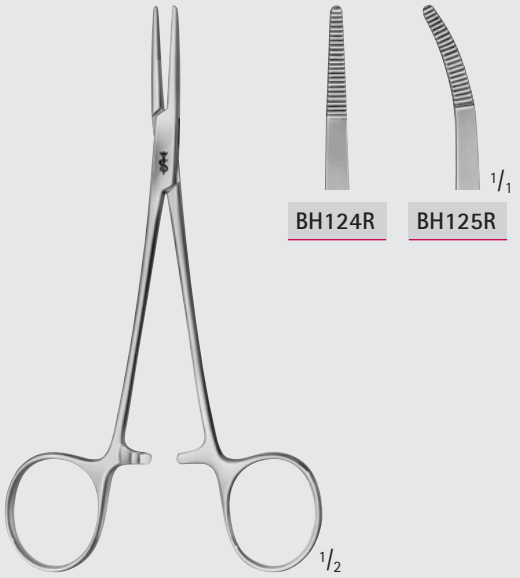
BH144R–BH155R

140 mm, 5 1/2"

DUNHILL

BH123R

125 mm, 5"

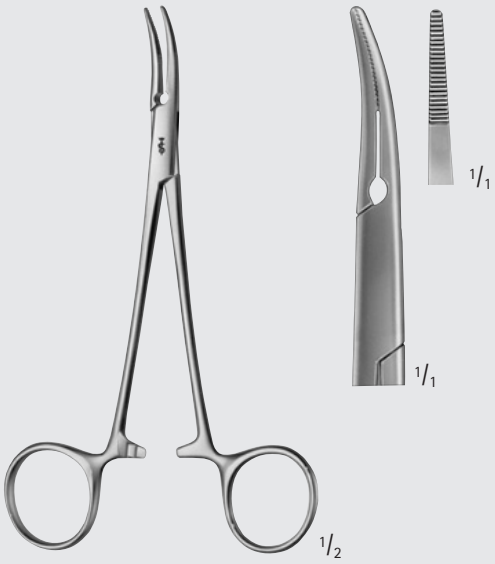


BH124R BH125R

CAIRNS

BH124R–BH125R

150 mm, 6"



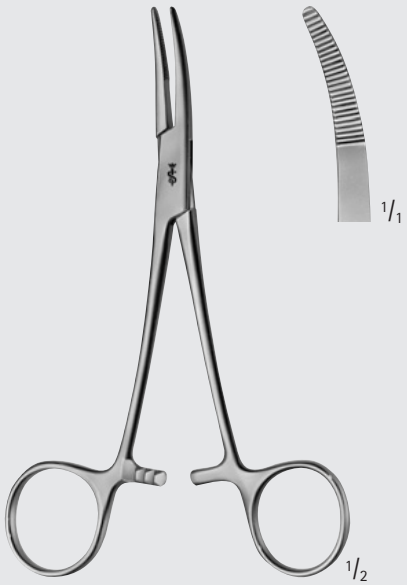
CAIRNS

BH126R

curved to side

seitwärts gebogen

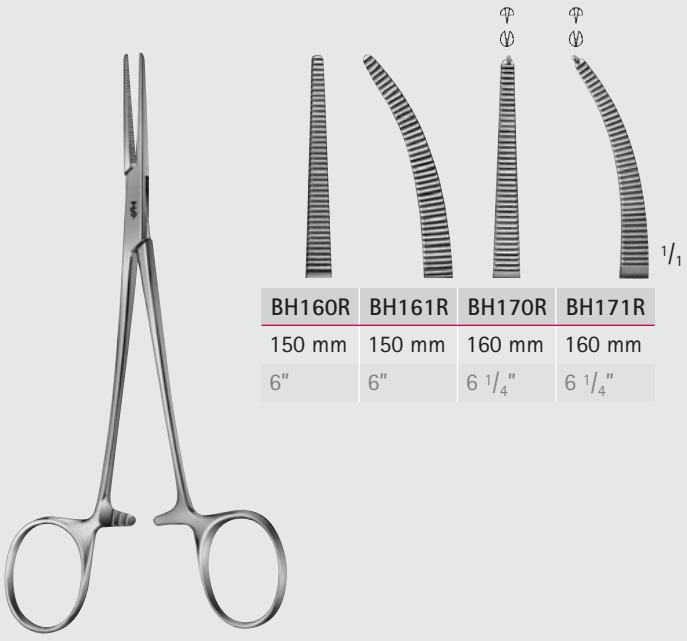
145 mm, 5 3/4"



MOYNIHAN

BH127R

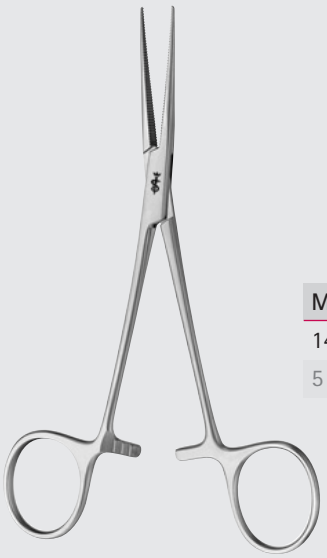
150 mm, 6"

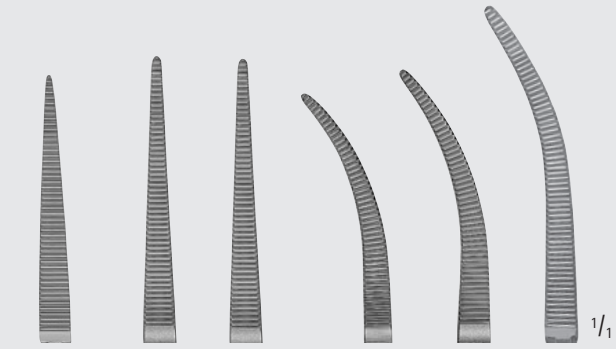


BH160R	BH161R	BH170R	BH171R
150 mm	150 mm	160 mm	160 mm
6"	6"	6 1/4"	6 1/4"

LERICHE

BH160R–BH171R



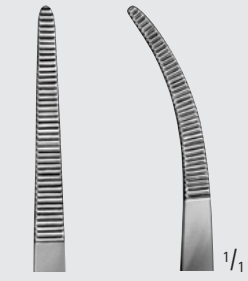


MD464	MD466R	MD468	MD465R	MD467R	MD469
145 mm	165 mm	180 mm	140 mm	165 mm	180 mm
5 1/2"	6 1/2"	7 1/4"	5 1/2"	6 1/2"	7 1/4"

1/1

COLLER

MD464–MD469



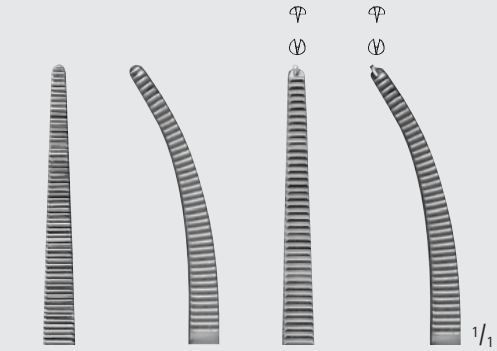
BH164R BH165R

1/1

RANKIN

BH164R–BH165R

160 mm, 6 1/4"



BH166R BH167R BH176R BH177R

1/1

1/2

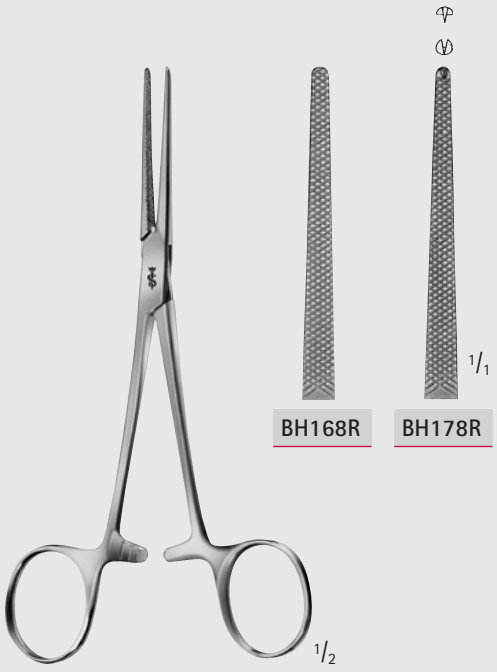
CRILE

BH166R–BH177R

160 mm, 6 1/4"

Clamps
Klemmen

INCHES



DIXON-LOVELACE

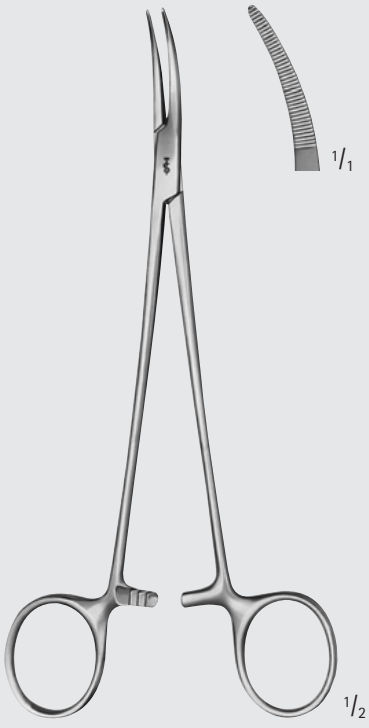
BH168R–BH178R

160 mm, 6 1/4"

FUCHSIG

BH198R

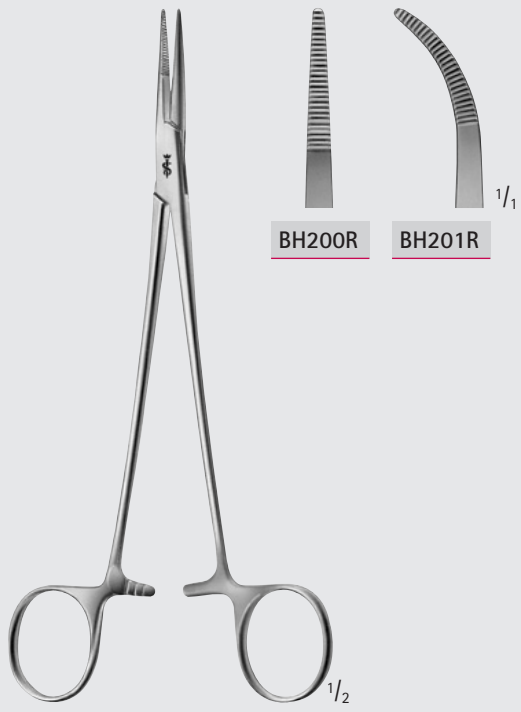
195 mm, 7 3/4"



NISSEN

BH199R

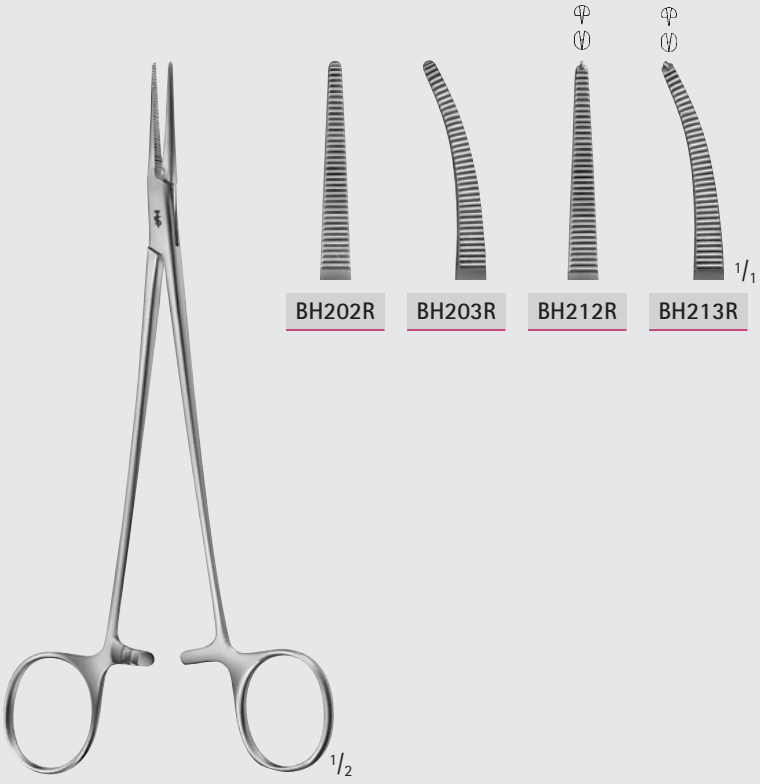
185 mm, 7 1/4"



ADSON

BH200R–BH201R

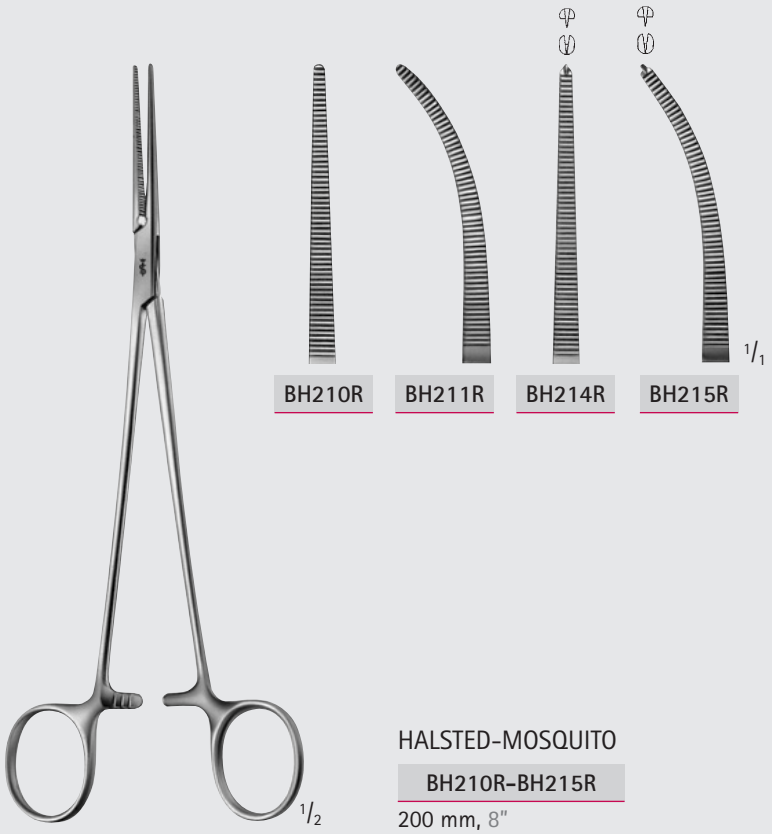
185 mm, 7 1/4"



HALSTED

BH202R–BH213R

185 mm, 7 1/4"



BH210R | BH211R | BH214R | BH215R

HALSTED-MOSQUITO

BH210R–BH215R

200 mm, 8"

JACOBSON

BH187R

190 mm, 7 1/2"

ADSON

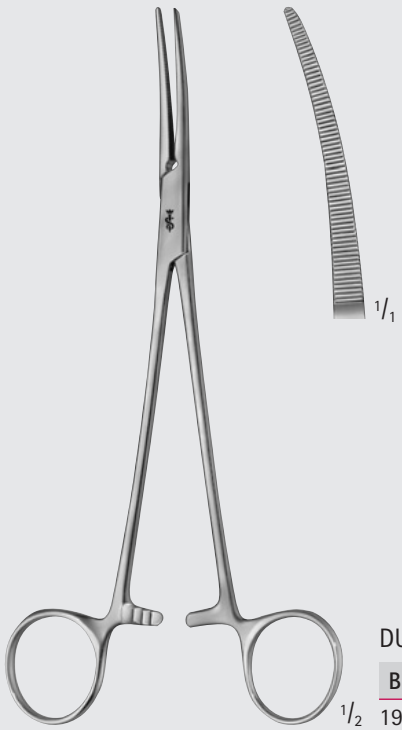
BH205R

215 mm, 8 1/2"

FRASER-KELLY (CRILE)

BH183R

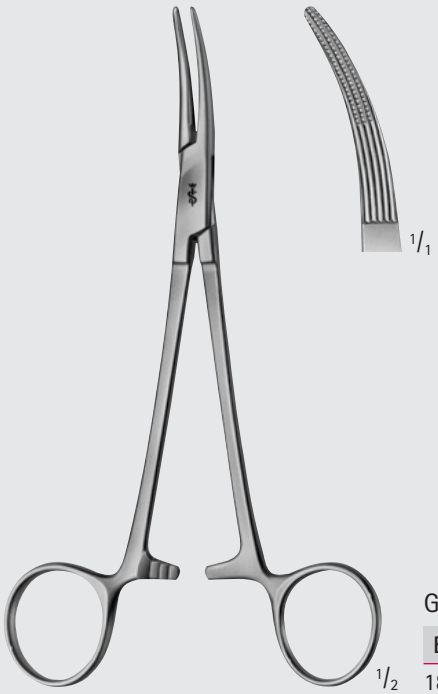
180 mm, 7"



DUNHILL

BH191R

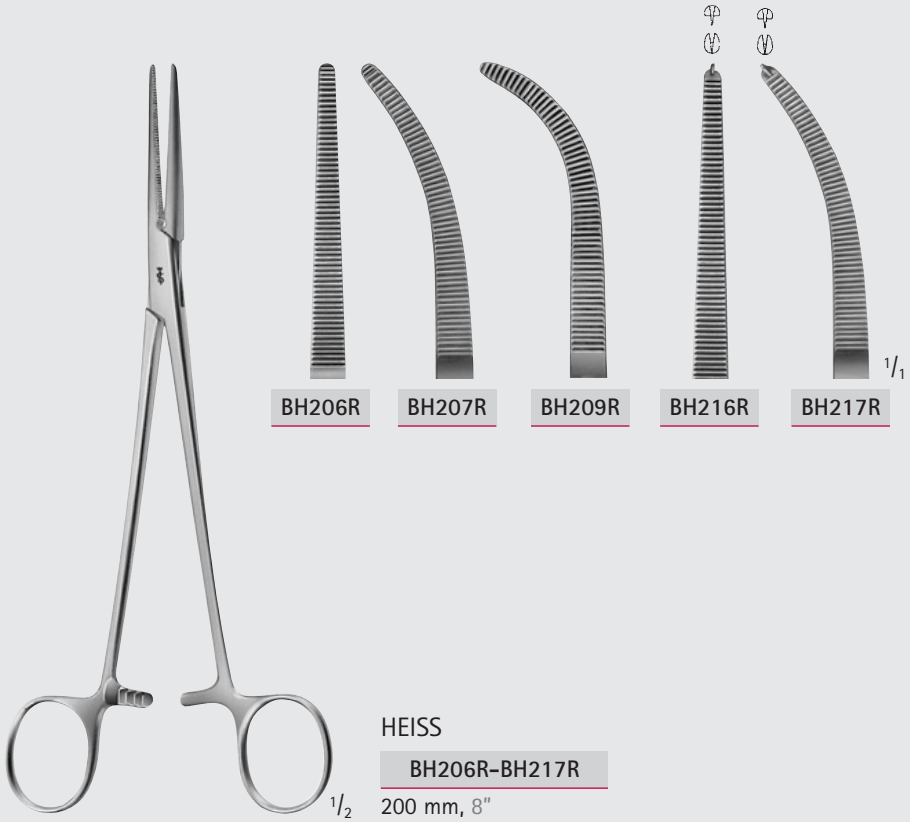
190 mm, 7 1/2"



GREY-TURNER

BH193R

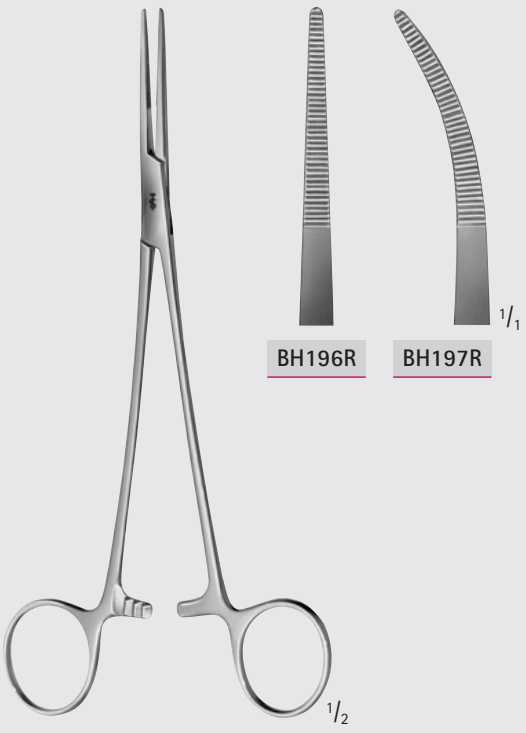
180 mm, 7"



HEISS

BH206R–BH217R

200 mm, 8"



BH196R BH197R

BIRKETT

BH196R–BH197R

185 mm, 7 1/4"

BH228R BH229R BH238R BH239R

BENGOLEA

BH228R–BH239R

245 mm, 9 3/4"

BH224R BH234R

SAROT

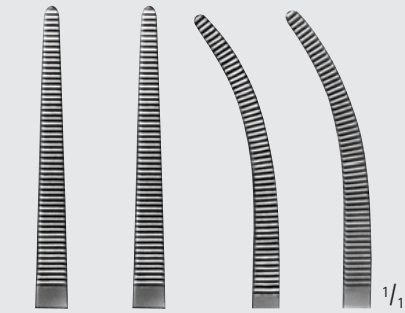
BH224R–BH234R

240 mm, 9 1/2"

CRAFOORD

BH225R

245 mm, 9 3/4"



BH412R	BH414R	BH413R	BH415R
130 mm	140 mm	130 mm	140 mm
5 1/8"	5 1/2"	5 1/8"	5 1/2"

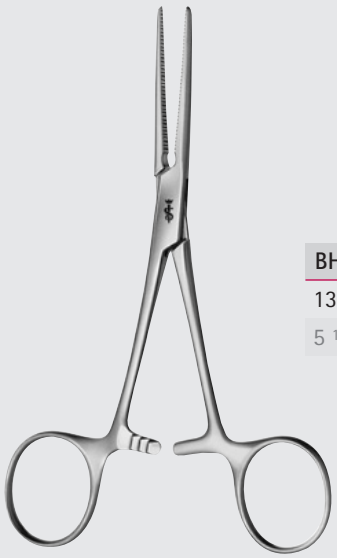
1/1

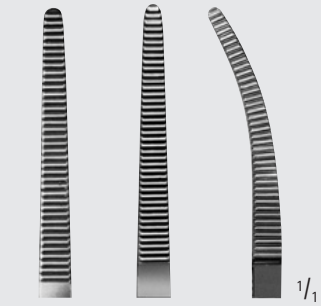
PEAN

BH412R–BH415R

slender type

grazile Form



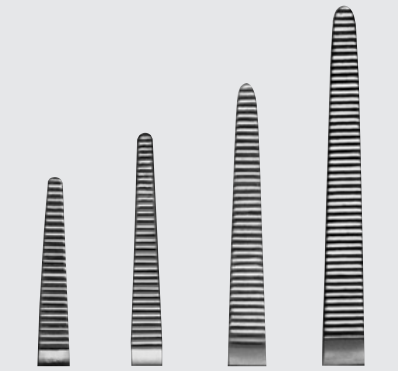


BH422R	BH424R	BH425R
130 mm	140 mm	140 mm
5 1/8"	5 1/2"	5 1/2"

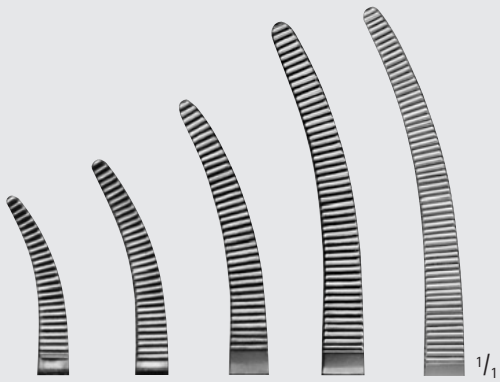
1/1

PEAN

BH422R–BH425R



BH332R	BH334R	BH336R	BH338R
130 mm	150 mm	175 mm	200 mm
5 1/8"	6"	7"	8"

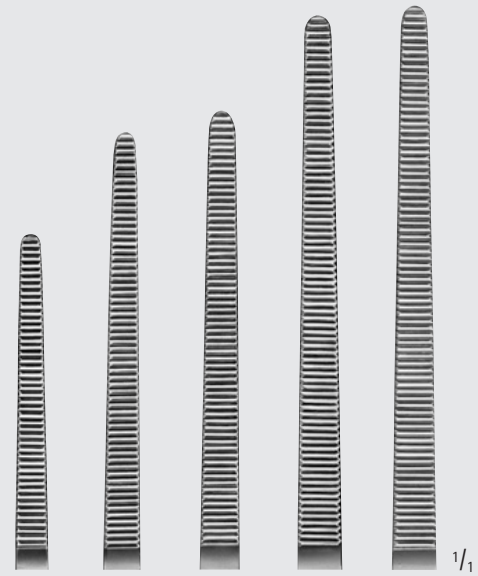


BH333R	BH335R	BH337R	BH339R	BH361R
130 mm	150 mm	175 mm	200 mm	230 mm
5 1/8"	6"	7"	8"	9"

1/1

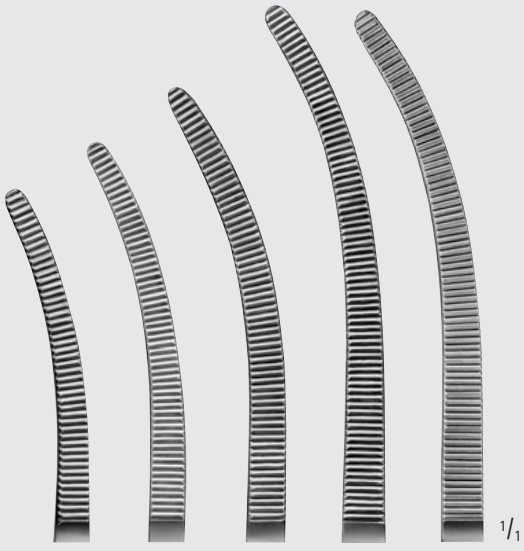
SPENCER-WELLS

BH332R–BH361R



1/1

BH442R	BH444R	BH446R	BH448R	BH450R
160 mm	185 mm	200 mm	225 mm	240 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"



1/1

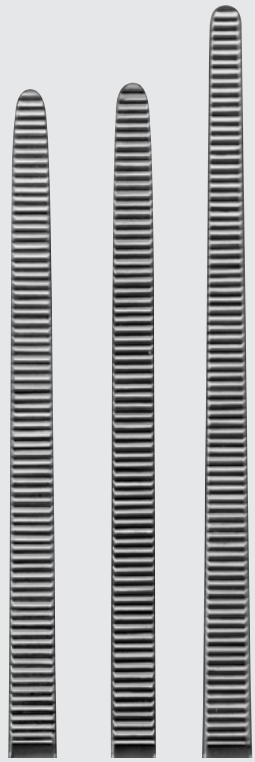
BH443R	BH445R	BH447R	BH449R	BH451R
160 mm	185 mm	200 mm	225 mm	240 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"

ROCHESTER-PEAN

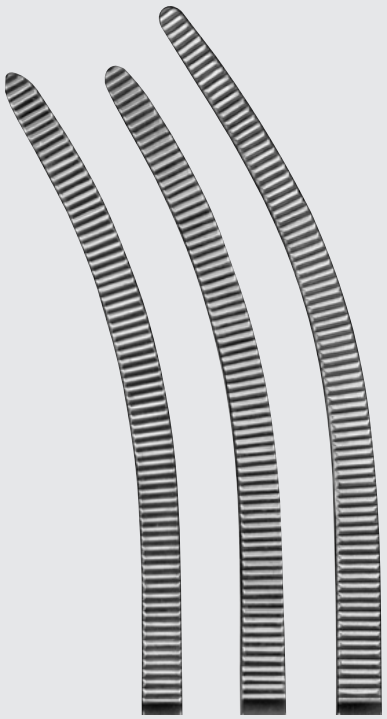
BH442R–BH451R

PEAN

BH470R–BH475R

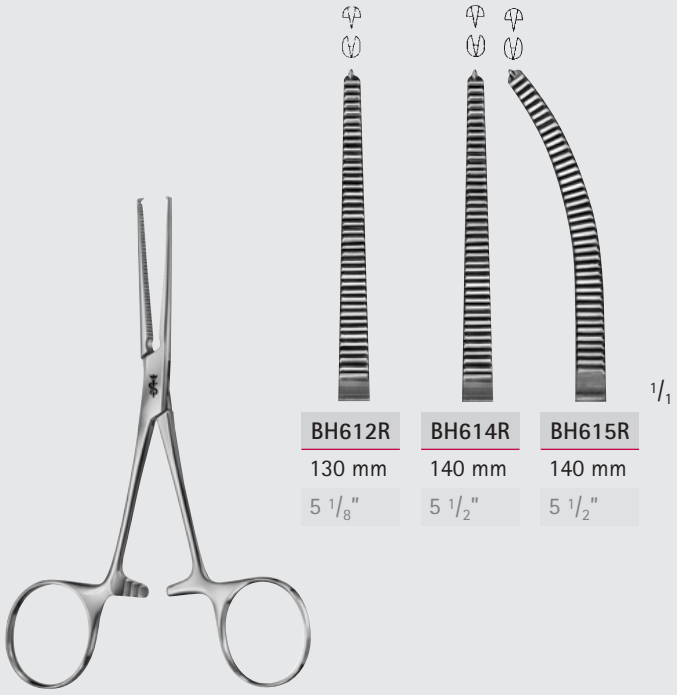


BH470R	BH472R	BH474R
240 mm	260 mm	280 mm
9 1/2"	10 1/4"	11"



1/1

BH471R	BH473R	BH475R
240 mm	260 mm	280 mm
9 1/2"	10 1/4"	11"

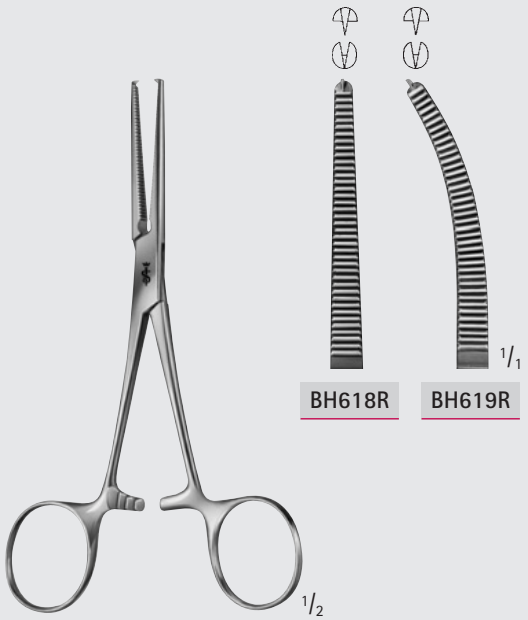


BH612R	BH614R	BH615R
130 mm	140 mm	140 mm
5 1/8"	5 1/2"	5 1/2"

1/1

KOCHER

BH612R–BH615R



BH618R BH619R

1/1

1/2

ROCHESTER-OCHSNER

BH618R–BH619R

140 mm, 5 1/2"

BH630R BH631R

1/1

1/2

KOCHER

BH630R–BH631R

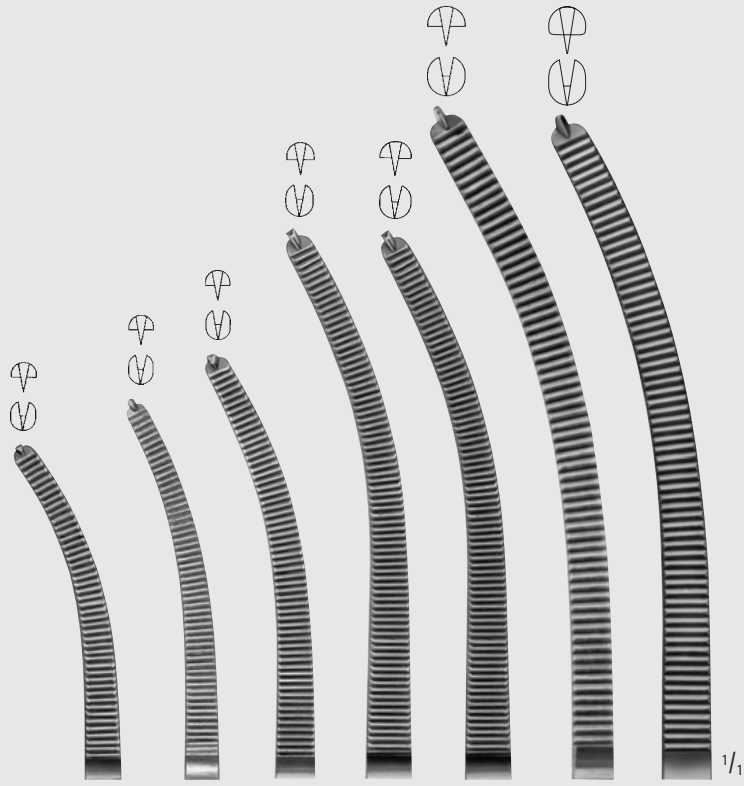
150 mm, 6"

1/1

BH642R	BH644R	BH646R	BH648R	BH650R	BH652R	BH654R
160 mm	185 mm	200 mm	225 mm	240 mm	260 mm	280 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"	10 1/4"	11"

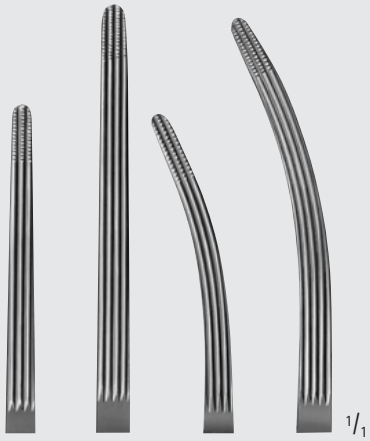
KOCHER-OCHSNER

BH642R–BH655R



1/1

BH643R	BH645R	BH647R	BH649R	BH651R	BH653R	BH655R
160 mm	185 mm	200 mm	225 mm	240 mm	260 mm	280 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"	10 1/4"	11"



BH800R	BH804R	BH801R	BH805R
160 mm	200 mm	160 mm	200 mm
6 1/4"	8"	6 1/4"	8"

ROCHESTER-CARMALT

BH800R–BH805R

BH807R	BH808R
	1 x 2 teeth
	1 x 2 Zähne

FICKLING

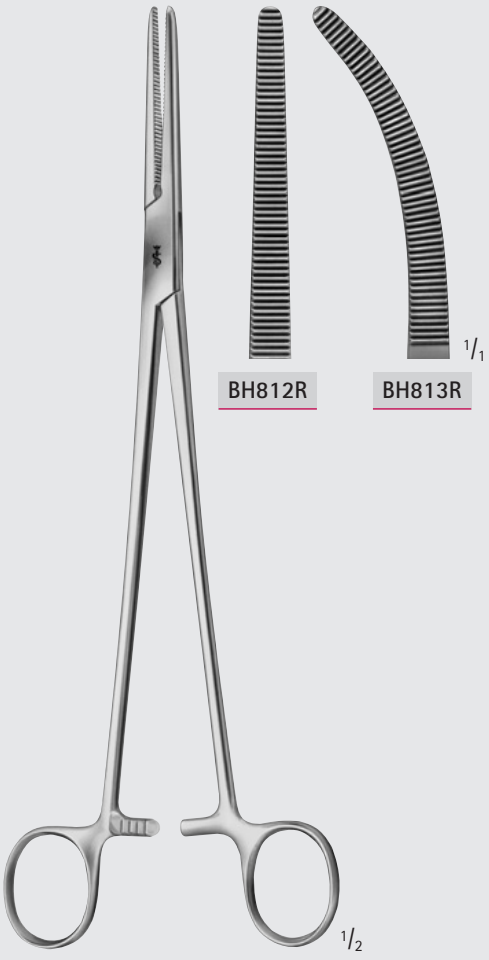
BH807R–BH808R

180 mm, 7"

ROBERTS

BH814R

225 mm, 9"



BH812R **BH813R**

ROBERTS

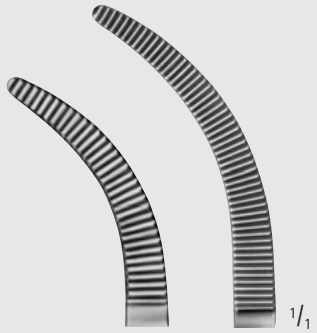
BH812R-BH813R

250 mm, 10"

SAROT

BH226R

250 mm, 9 3/4"



BH831R	BH833R
230 mm	240 mm
9"	9 1/2"

1/1

MOYNIHAN

BH831R–BH833R

BH835R	BH837R	BH839R
195 mm	220 mm	230 mm
7 3/4"	8 3/4"	9"

1/1

PEAN

BH835R–BH839R

BH957R BH959R

SCHNIDT

BH957R–BH959R

185 mm, 7 1/4"

BH961R BH963R

SCHNIDT

BH961R–BH963R

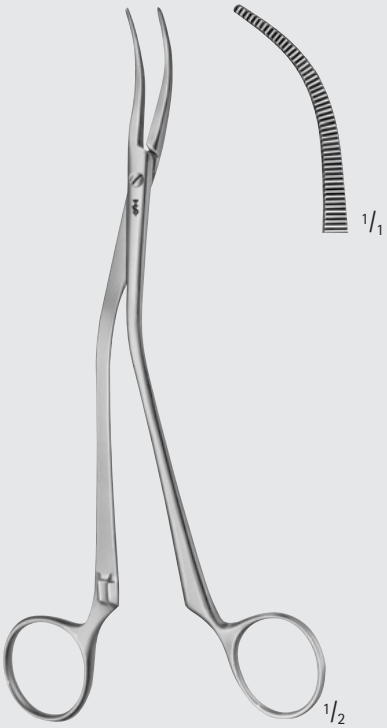
185 mm, 7 1/4"

BH951R BH952R

NEGUS

BH951R–BH952R

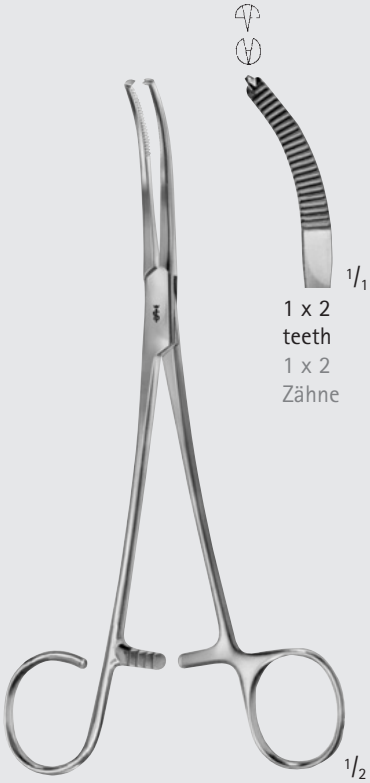
190 mm, 7 1/2"



WILSON

BH965R

190 mm, 7 1/2"



1 x 2 teeth
1 x 2 Zähne

MIKULICZ

BH949R

185 mm, 7 1/4"

smooth jaw
glattes Maul

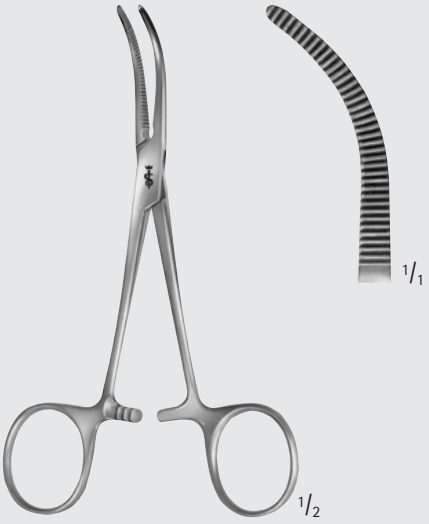
BJ002R

Ligature forceps, straight
Ligaturklemme, gerade
95 mm, 3 3/4"

MICRO-ADSON

BJ008R

140 mm, 5 1/2"



BABY-OVERHOLT

BJ009R

135 mm, 5 1/4"

BJ011R	BJ012R
140 mm	180 mm
5 1/2"	7"

BABY-MIXTER

BJ011R–BJ012R

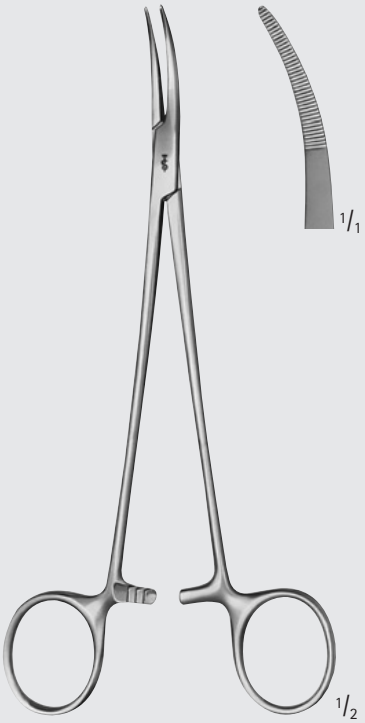
BJ013R	BJ014R
140 mm	180 mm
5 1/2"	7"

BABY-ADSON

BJ013R–BJ014R

MD569	MD570R
140 mm	180 mm
5 1/2"	7"

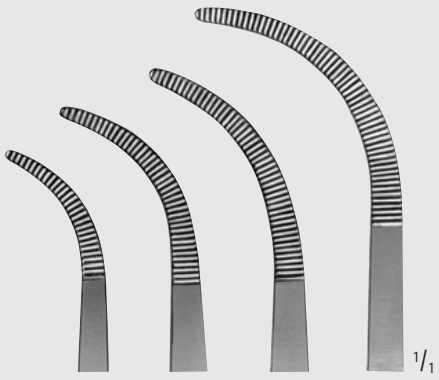
MD569–MD570R



NISSEN

BH199R

185 mm, 7 1/4"



BJ015R	BJ016R	BJ017R	BJ018R
185 mm	210 mm	215 mm	220 mm
7 1/4"	8 1/4"	8 1/2"	8 3/4"

BJ015R–BJ018R

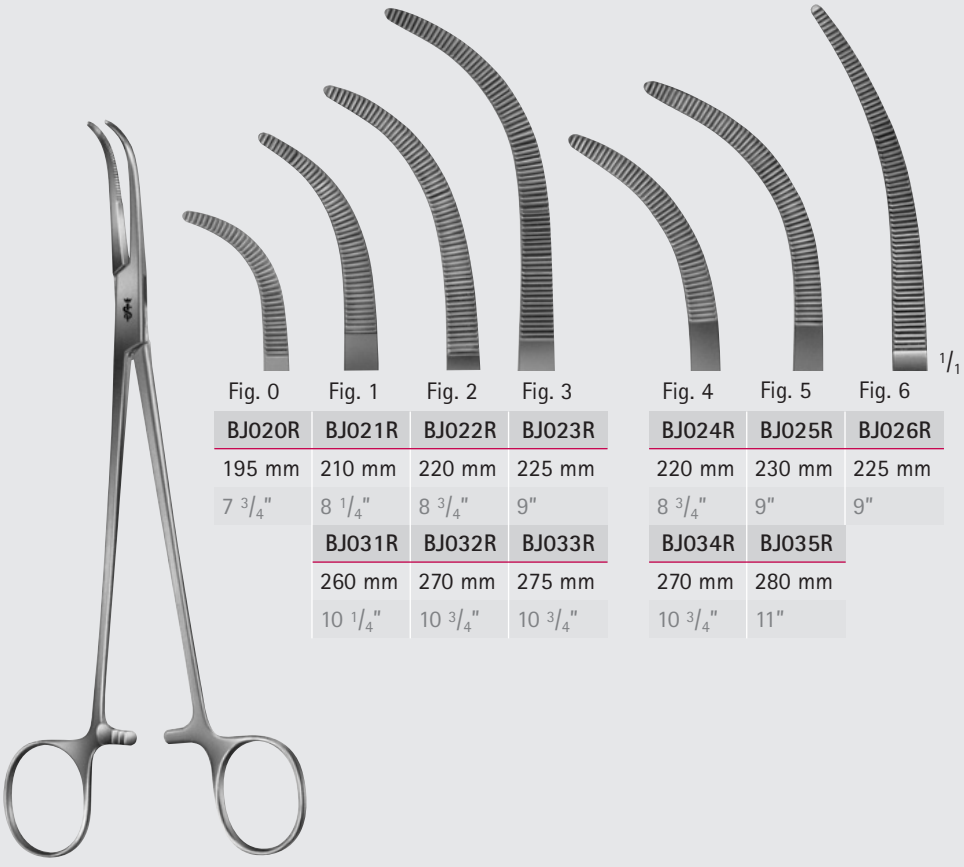
S-shaped, delicate

S-förmig gebogen, grazil

OVERHOLT-MIXTER

BJ019R

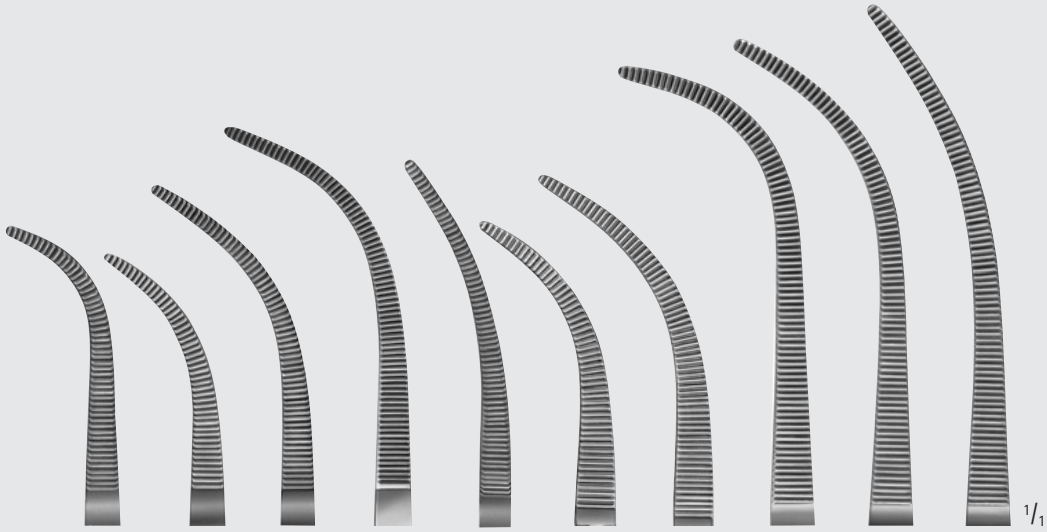
205 mm, 8"



OVERHOLT-GEISSENDOERFER

BJ020R–BJ035R

Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
BJ020R	BJ021R	BJ022R	BJ023R	BJ024R	BJ025R	BJ026R
195 mm	210 mm	220 mm	225 mm	220 mm	230 mm	225 mm
7 3/4"	8 1/4"	8 3/4"	9"	8 3/4"	9"	9"
	BJ031R	BJ032R	BJ033R	BJ034R	BJ035R	
	260 mm	270 mm	275 mm	270 mm	280 mm	
	10 1/4"	10 3/4"	10 3/4"	10 3/4"	11"	



1/1

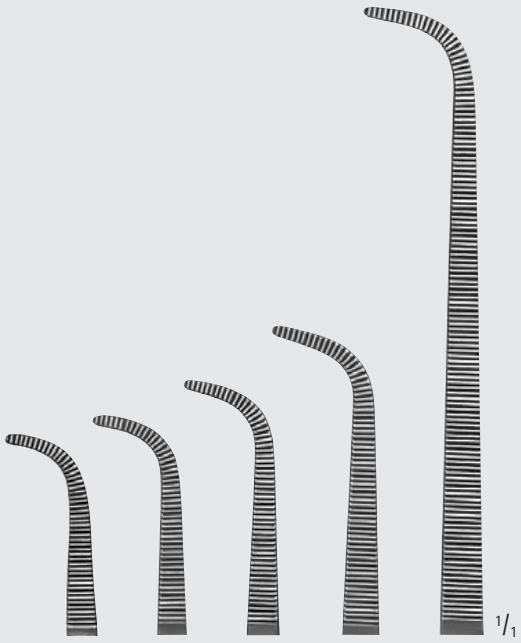
Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 6	Fig. 1	Fig. 4	Fig. 0	Fig. 1	Fig. 6
BJ080R	**BJ081R**	**BJ082R**	**BJ083R**	**BJ086R**	**BJ111R**	**BJ114R**	**BJ090R**	**BJ091R**	**BJ096R**
215 mm	210 mm	220 mm	225 mm	225 mm	270 mm	270 mm	295 mm	295 mm	300 mm
8 1/2"	8 1/4"	8 3/4"	9"	9"	10 3/4"	10 3/4"	11 3/4"	11 3/4"	12"

OVERHOLT

BJ080R-BJ114R

delicate pattern

feine Ausführung



BJ100R	BJ102R	BJ103R	BJ104R	BJ106R
130 mm	180 mm	200 mm	230 mm	280 mm
5 1/8"	7"	8"	9"	11"

GEMINI

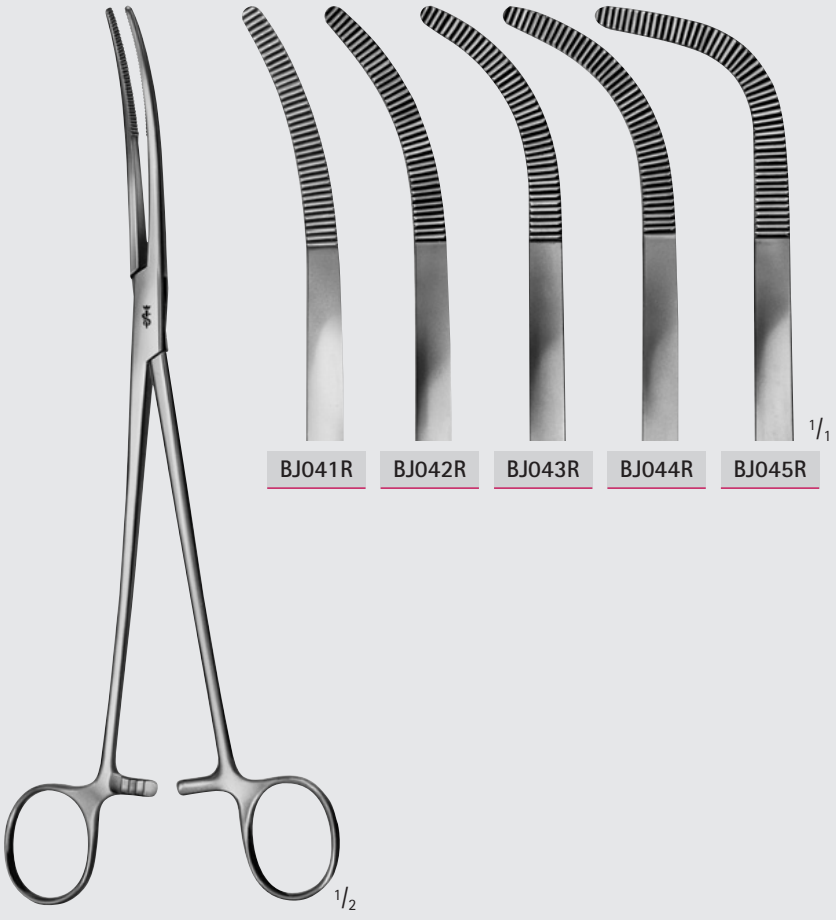
BJ100R–BJ106R

MIXTER-O'SHAUGNESSY
BJ050R
190 mm, 7 1/2"

O'SHAUGNESSY
BJ067R
220 mm, 8 3/4"

HEISS
BH209R
195 mm, 7 3/4"

WIKSTROEM
BJ051R
205 mm, 8"

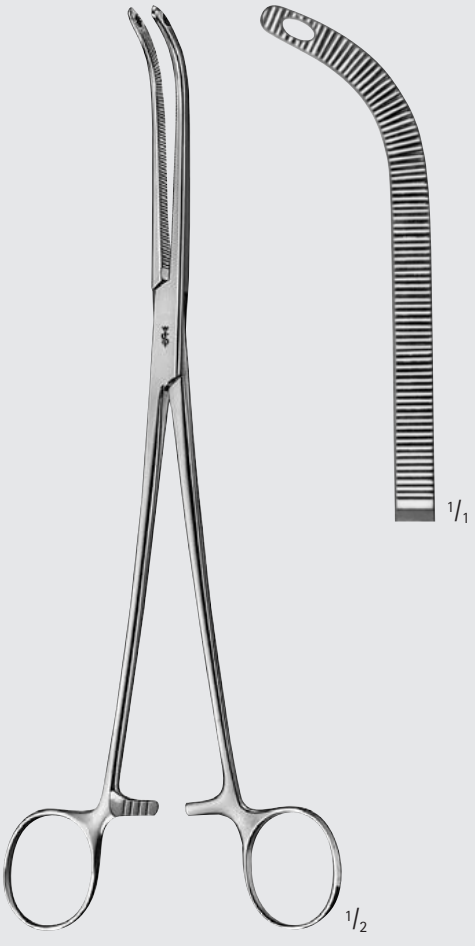


BJ041R | BJ042R | BJ043R | BJ044R | BJ045R

RUMEL

BJ041R–BJ045R

240 mm, 9 1/2"



FINOCHIETTO

BJ052R

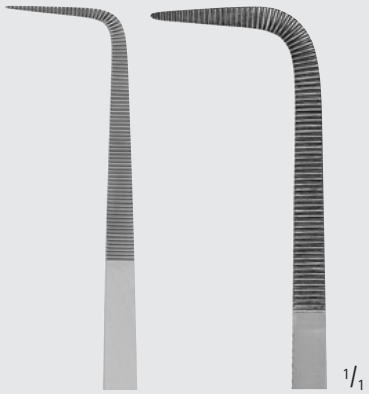
245 mm, 9 3/4"

1/1

BJ057R	BJ058R	BJ059R
200 mm	245 mm	275 mm
8"	9 3/4"	10 3/4"

KANTROWITZ

BJ057R–BJ059R



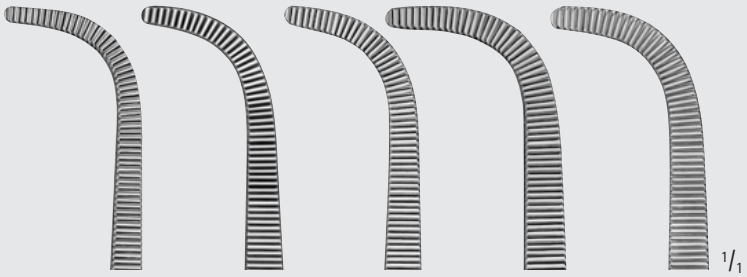
1/1

BJ029R	BJ110R
extra delicate	delicate
extra fein	fein

BARRÉ

BJ029R–BJ110R

280 mm, 11"



1/1

BJ120R	BJ121R	BJ122R	BJ123R	BJ124R
150 mm	180 mm	200 mm	230 mm	255 mm
6"	7"	8"	9"	10"

O'SHAUGHNESSY

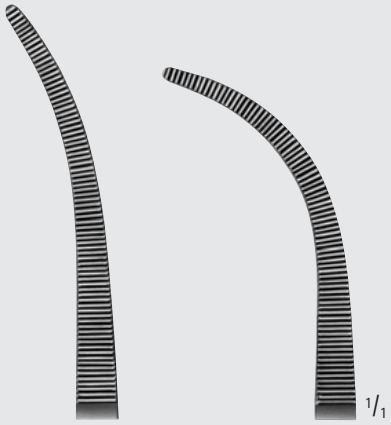
BJ120R–BJ124R

BJ037R	BJ038R	BJ039R
145 mm	185 mm	235 mm
5 3/4"	7 1/4"	9 1/4"

BJ037R–BJ039R
delicate
fein

MIXTER
BJ055R
230 mm, 9"

LAWRENCE
BJ070R
270 mm, 10 3/4"



1/1

BJ047R	BJ048R
300 mm	290 mm
12"	11 1/2"

ZENKER

BJ047R–BJ048R

LOWER

EB001R

180 mm, 7"

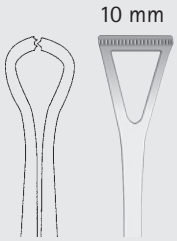
LAHEY	LAHEY (SWEET)	LAHEY (SWEET)
EB003R	BJ060R	BJ068R
200 mm	225 mm	230 mm
8"	9"	9"

BJ060R-EB003R

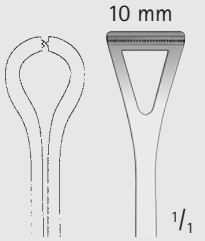
BJ061R	BJ062R	BJ073R
220 mm	250 mm	290 mm
8 3/4"	10"	11 1/2"

MIXTER

BJ061R-BJ073R

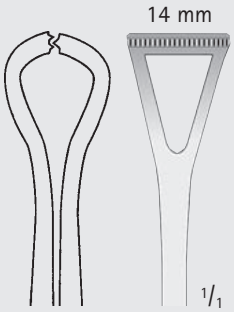


EA050R
160 mm
6 1/4"



EA052R
215 mm
8 1/2"

BABCOCK
EA050R-EA052R



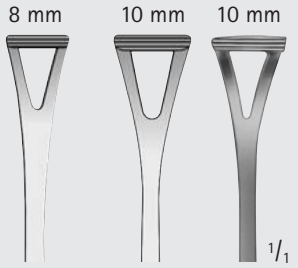
BABCOCK
FB936R
220 mm, 8 3/4"

BABCOCK
MD470
240 mm, 9 1/2"

BABCOCK

EA030R

155 mm, 6"



EA031R	EA032R	EA033R
170 mm	215 mm	200 mm
6 3/4"	8 1/2"	8"

BABCOCK

EA031R–EA033R

BABCOCK

FB934R

220 mm, 8 3/4"

KLEINE

FB281R

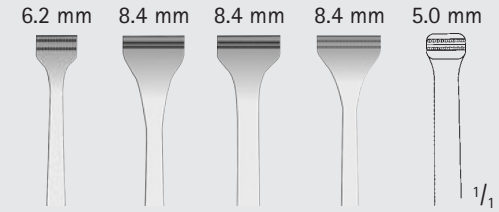
225 mm, 9"

Myocardium grasping forceps

- Is used for holding the heart muscle (myocardium) during cardiac surgery (e.g. valve or bypass operations)
- It securely grasps the heart muscle without damaging the tissue
- The special characteristics of the new grasping forceps are
  - The jaws do not touch when the lock is closed.
    Result: The strong myocardial tissue is grasped safely and atraumatically
  - The extended lock with its early trigger point offers more effective fixation of thick tissue

Mykoard Fasszange

- Dient der Fixierung des Herzmuskels während einer Herzklappen- oder Bypass-OP
- Sie fasst den Herzmuskel sicher und verletzt das Gewebe dabei nicht
- Besonderheiten der Fasszange:
  - Maul berührt sich bei geschlossener der Sperre nicht. Somit besteht die Möglichkeit, das kräftige Herzmuskelgewebe sicher und atraumatisch zu fassen
  - Die längere Sperre ermöglicht bessere Fixierung von dickem Gewebe, da sie bei geöffnetem Maul bereits frühzeitig greift



EA092R	EA096R	EA097R	EA099R	EA100R
155 mm	220 mm	255 mm	300 mm	295 mm
6"	8 3/4"	10"	12"	11 3/4"

ALLIS

EA092R–EA100R

ALLIS

EA095R

very delicate

besonders fein

200 mm, 8"

1/1
5 x 6 teeth, sharp
5 x 6 Zähne, scharf

1/2

TUFFIER
BF301R
125 mm, 5"

1/1
4 x 5 teeth
4 x 5 Zähne

1/2

BABY-ALLIS
EA012R
130 mm, 5 1/8"

1/1
5 x 6 teeth
5 x 6 Zähne

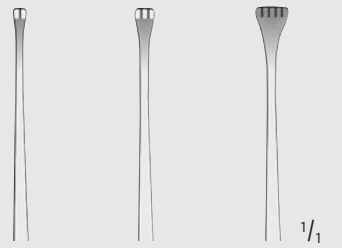
1/2

BOYS-ALLIS
EA010R
155 mm, 6"

1/1
9 x 10 teeth
9 x 10 Zähne

1/2

ALLIS-ADAIR
MD568
160 mm, 6 1/4"



EA013R	EA014R	EA015R
2 x 3 teeth	3 x 4 teeth	4 x 5 teeth
2 x 3 Zähne	3 x 4 Zähne	4 x 5 Zähne

ALLIS

EA013R–EA015R

155 mm, 6"

5 x 6 teeth
5 x 6 Zähne

ALLIS

EA016R

155 mm, 6"

EA017R	EA018R
190 mm	255 mm
7 1/2"	10"

ALLIS

EA017R–EA018R

5 x 6 teeth
slendern patterns
5 x 6 Zähne
zarte Modelle

ALLIS

FB938R

220 mm, 8 3/4"

1/1
3 x 4 teeth
3 x 4 Zähne

1/2

JUDD-ALLIS
EA025R
155 mm, 6"

1/1
3 x 4 teeth
3 x 4 Zähne

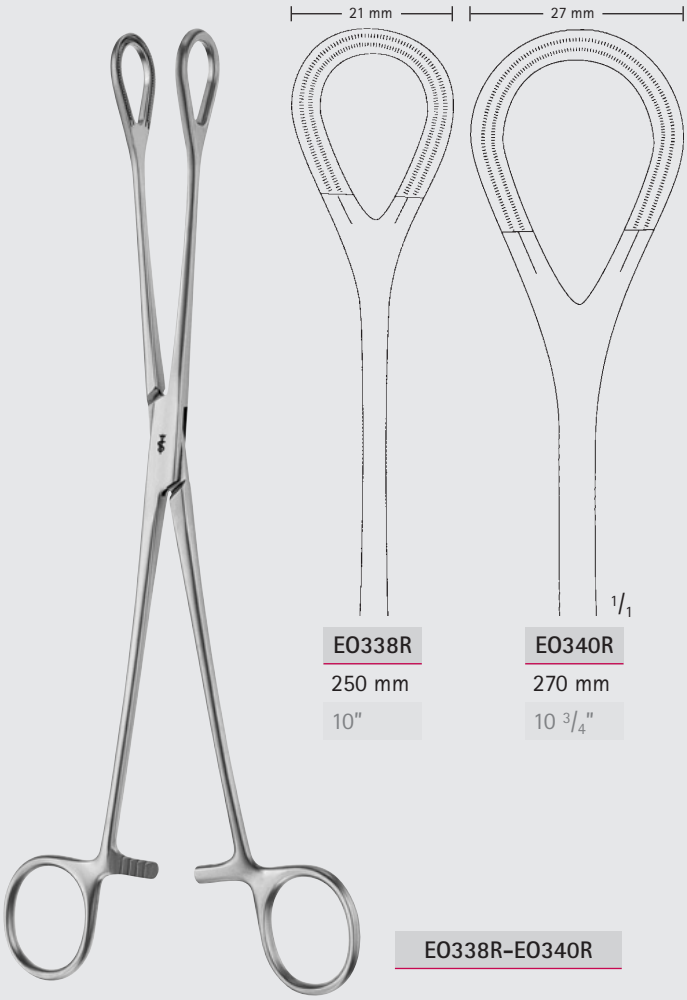
1/2

JUDD-ALLIS
EA026R
195 mm, 7 3/4"

1/1
6 x 7 teeth
6 x 7 Zähne

1/2

ALLIS-THOMS
EA020R
200 mm, 8"

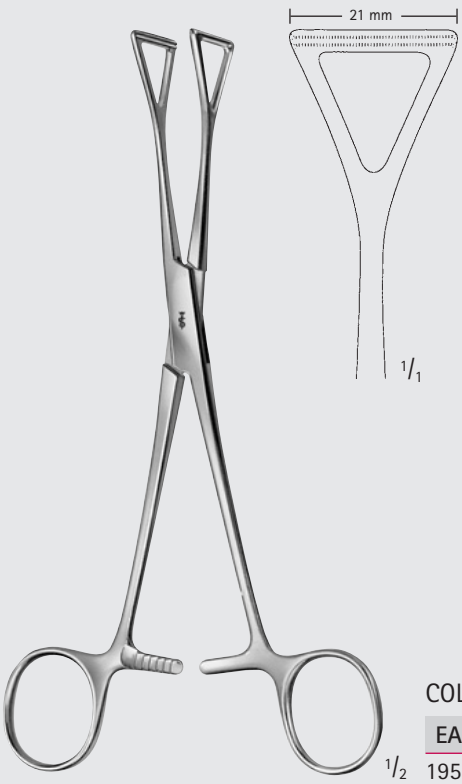


EO338R
250 mm
10"

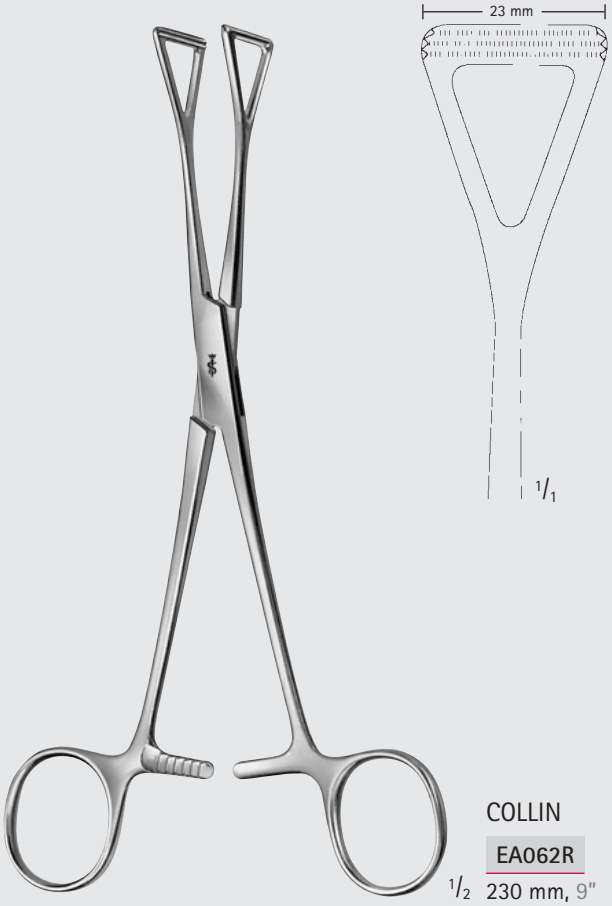
EO340R
270 mm
10 3/4"

EO338R–EO340R

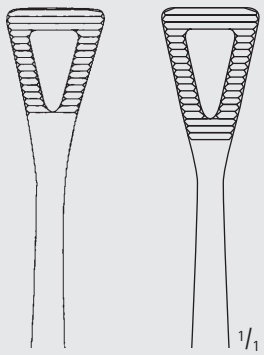
2:3 Teeth rows
2:3 Zahnreihen



COLLIN
EA061R
1/2 195 mm, 7 3/4"



COLLIN
EA062R
1/2 230 mm, 9"



1/1

BH902R	EA037R
155 mm	200 mm
6"	8"

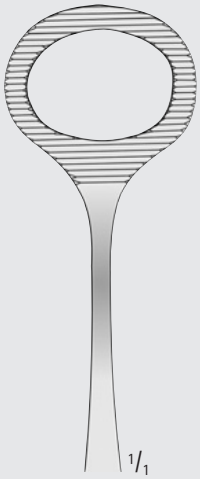
PENNINGTON
BH902R-EA037R

1/2

1/1

COLLIN
BH906R
160 mm, 6 1/4"

1/2



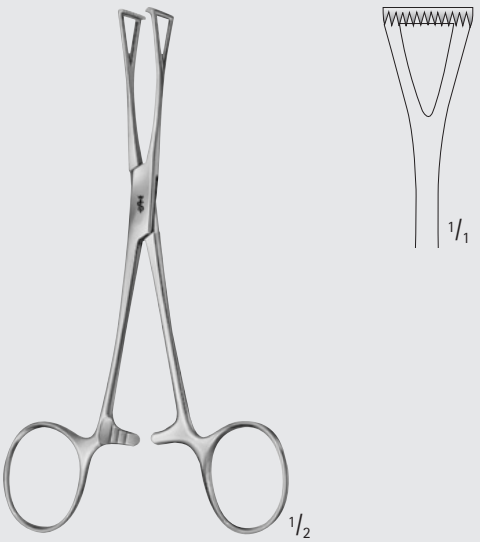
1/1

COLLIN
AN709R
170 mm, 6 3/4"

1/2

1/1

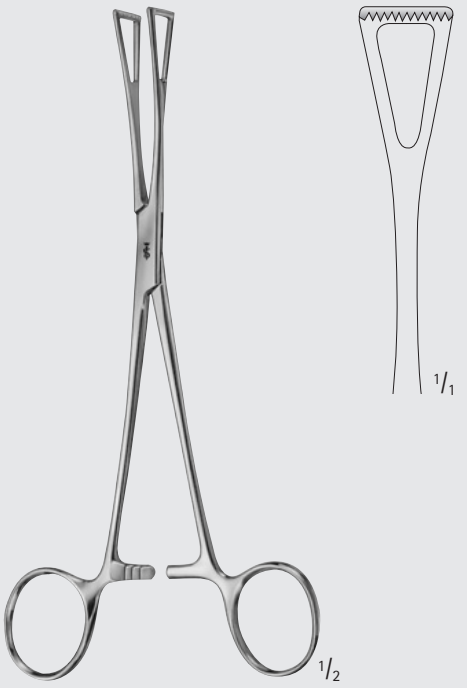
COLLIN
BH908R
160 mm, 6 1/4"



COLLIN

EA039R

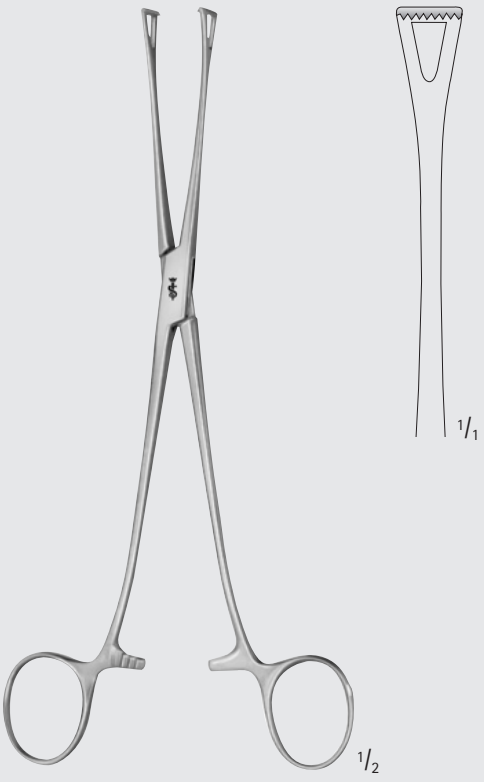
140 mm, 5 1/2"



COLLIN

EA040R

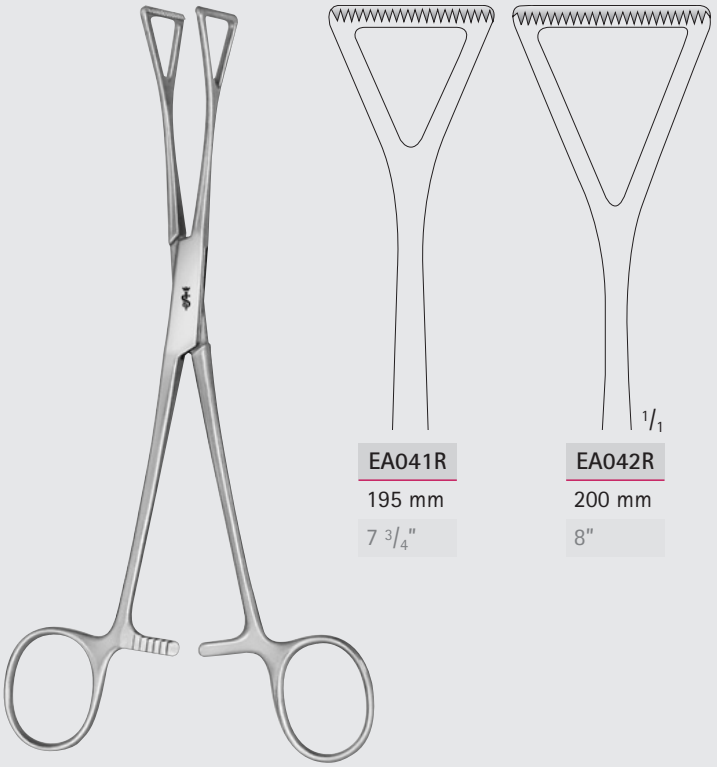
180 mm, 7"



LOCKWOOD

EA036R

200 mm, 8"



DUVAL-COLLIN

EA041R-EA042R

EA041R

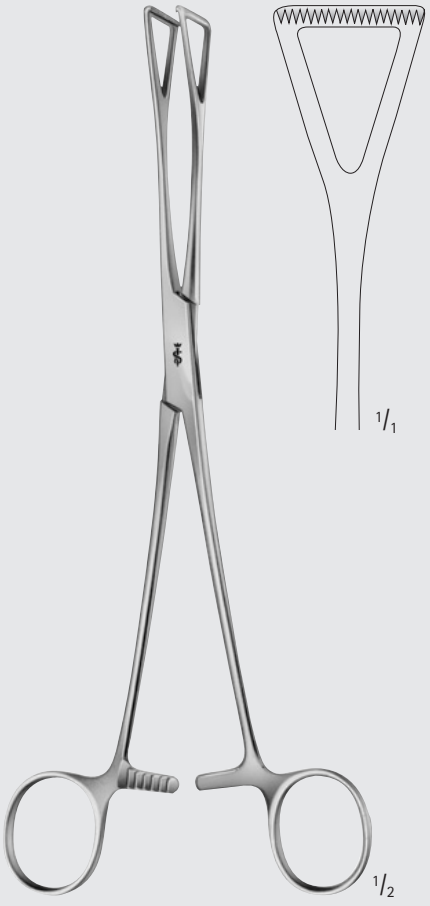
195 mm

7 3/4"

EA042R

200 mm

8"



DUVAL

FB930R

230 mm, 9"

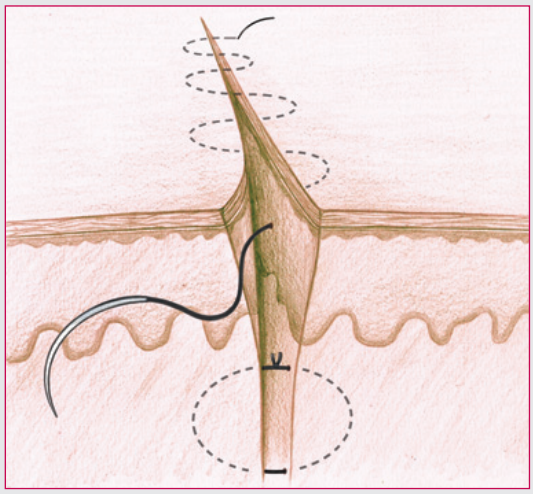
WILLIAMS

EA028R

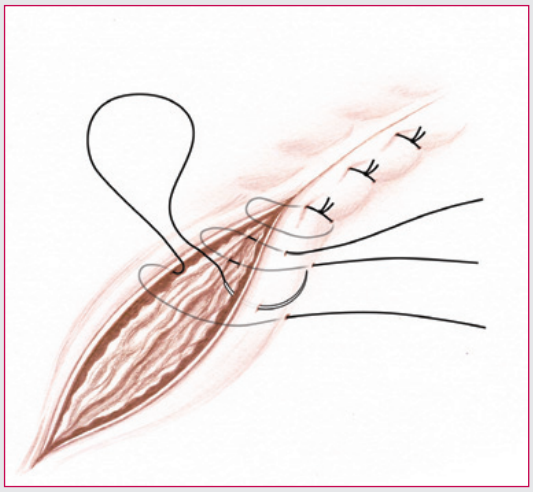
160 mm, 6 1/4"

Complete product portfolio for skin closure in cardiovascular procedures

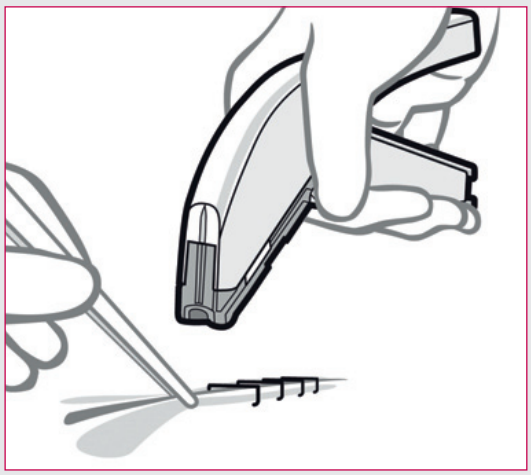
Komplettes Produktprogramm für den Hautverschluss bei Eingriffen in der Herz- und Gefäßchirurgie



Interrupted sutures
Einzelknopfnaht



Continuous suture
Fortlaufende Naht



Manipler

Monosyn®

Mid-term synthetic absorbable monofilament suture made of glyconate.
14 days: 50 % initial knot pull strength
60 - 90 days: total mass absorption

Monofiles synthetisches Glyconat-Nahtmaterial mittlerer Resorptionsdauer.
14 Tage: 50 % der initialen Knotenzugfestigkeit
60 – 90 Tage: Resorption der gesamten Fadenmasse

Premilene®

Non-absorbable monofilament suture made of polypropylene

Monofiler nicht resorbierbarer Polypropylen-Faden

Manipler®

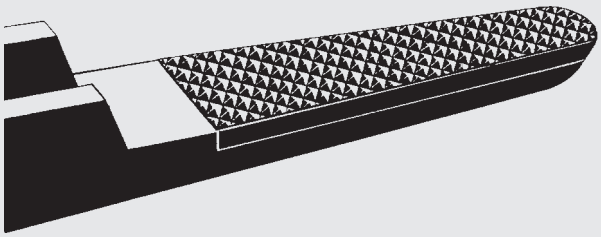
Fast, secure and reliable stainless steel-staples

Schnelles, sicheres und zuverlässiges Hautklammernahtgerät mit Klammern aus rostfreiem Edelstahl

For further details see brochure No.
BBSE-017-02 Premilene®
BBSE-078-02 Monosyn®
BBSE-162-02 Manipler®

Weitere Einzelheiten finden Sie in folgenden Broschüren:
BBSE-017-02 Premilene®
BBSE-078-02 Monosyn®
BBSE-162-02 Manipler®

DUROGRIP® Needle Holders
DUROGRIP® Nadelhalter



Aesculap needle holders have jaws with carbide inserts and according to the use required the resp. structure can be chosen. A smooth jaw surface as well as 3 different serrations guarantee a safe „grip" of the resp. needle.

Aesculap Nadelhalter sind durch die Struktur der Hartmetall-Maulteile auf das jeweilige, indikationsbezogene Nahtmaterial abgestimmt. Eine glatte Maulfläche sowie 3 verschiedene Haftprofile garantieren den sicheren „Griff" der jeweiligen Nadel.

We recommend carbide inserts	
with smooth jaw surface for suture material	9/0 – 11/0
with 0.2 mm pitch of serration for suture material	6/0 – 10/0
0.4 mm	4/0 – 6/0
0.5 mm	up to 3/0
Wir empfehlen Hartmetall-Maulteile	
mit glatter Fläche für Nahtmaterial	9/0 – 11/0
mit Teilung 0,2 mm für Nahtmaterial	6/0 – 10/0
0,4 mm	4/0 – 6/0
0,5 mm	bis 3/0

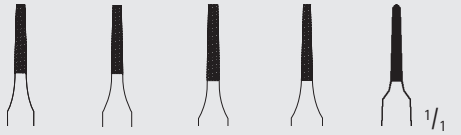
DUROGRIP® Needle holders with carbide inserts
Identification:
- **gold-plated rings, handle ends and ratchets**

DUROGRIP® Nadelhalter mit Hartmetall-Plättchen
- Kennzeichnung:
  Vergoldete Ringe, Branchenenden und Sperren

These special patterns with extremely fine jaws are suitable for holding non-traumatic needles and fine vascular needles.

Diese Spezialmodelle mit extra schmalen Mäulern eignen sich für atraumatische Nadeln und für feine Gefäßnadeln.

»grazil«



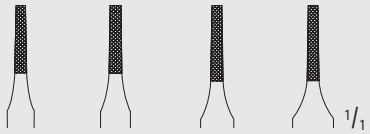
0.2	0.2	0.2	0.2	0.2
BM054R	BM055R	BM056R	BM057R	BM058R
135 mm	155 mm	175 mm	210 mm	230 mm
5 1/4"	6"	7"	8 1/4"	9"

RYDER

BM054R–BM058R

very delicate

sehr fein



0.4	0.4	0.4	0.4
BM044R	BM045R	BM046R	BM047R
135 mm	175 mm	195 mm	265 mm
5 1/4"	7"	7 3/4"	10 1/2"

RYDER

BM044R–BM047R

MILLIMETERS

DUROGRIP® Needle Holders
DUROGRIP® Nadelhalter

These instruments provide the surgeon with a maximum of ergonomical comfort. The optimized design of the Instruments offers a fatigue-free working especially with regard to difficult suture and anastmosis techniques.

Diese Instrumente bieten dem Chirurgen ein Maximum an ergonomischem Komfort. Das optimierte Design der Instrumente ermöglicht ein ermüdungsfreies Arbeiten insbesondere bei schwierigen Naht- und Anastomostechniken.

HELLBERG-KUPKA

BM320R

with locking ratchet

mit Anreichsperre

210 mm, 8 1/4"

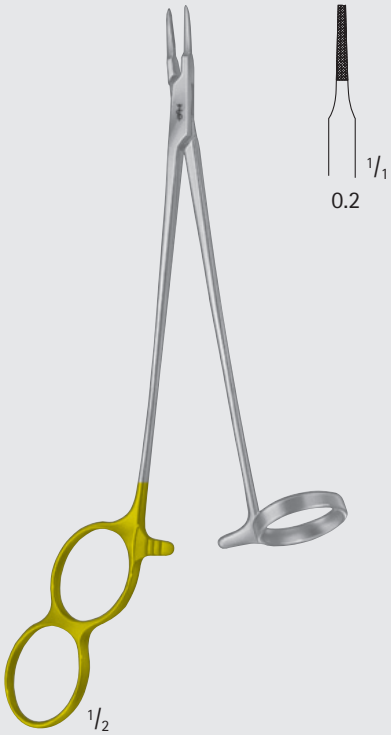
REIN-KUPKA

BM310R

without ratchet

ohne Sperre

190 mm, 7 1/2"



REIN-KUPKA

BM311R

with ratchet

mit Sperre

190 mm, 7 1/2"

These special patterns with extremely fine jaws are suitable for holding non-traumatic needles and fine vascular needles.

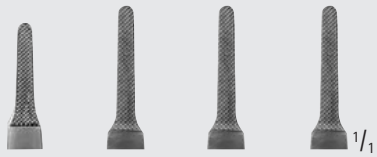
Diese Spezialmodelle mit extra schmalen Mäulern eignen sich für atraumatische Nadeln und für feine Gefäßnadeln.

BM184R
200 mm, 8"

BM074R	BM075R	BM076R
150 mm	180 mm	225 mm
6"	7"	9"

RYDER

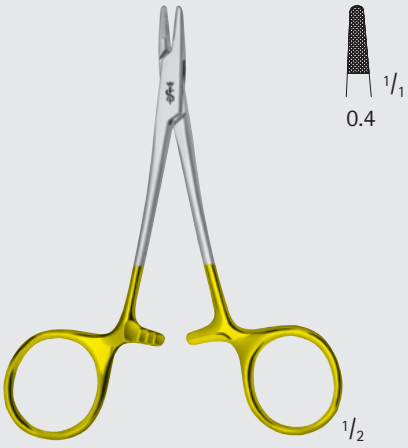
BM074R–BM076R
with smooth jaws
mit glattem Maul



0.4 mm	0.4 mm	0.4 mm	0.4 mm
MB606R	MB607R	MB611R	MB612R
160 mm	185 mm	205 mm	235 mm
6 1/4"	7 1/4"	8"	9 1/4"

FRENCH EYE

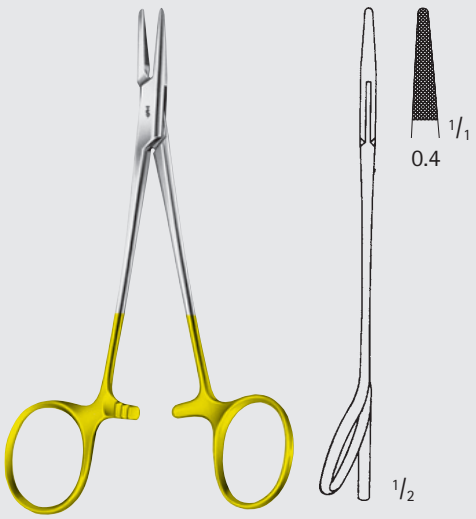
MB606R–MB612R



DERF

BM008R

115 mm, 4 1/2"



MASING

BM009R

one ring angled

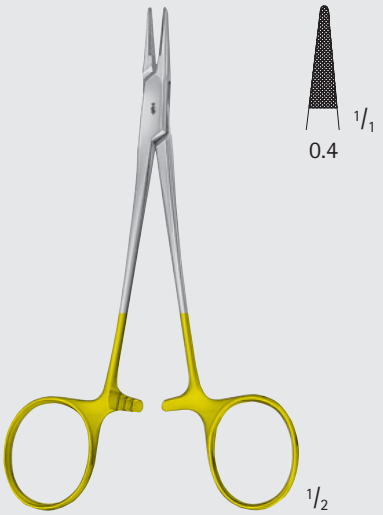
ein Ring abgewinkelt

130 mm, 5 1/8"

CONVERSE

BM011R

130 mm, 5 1/8"



HALSEY

BM012R

130 mm, 5 1/8"

BM014R

with smooth jaws

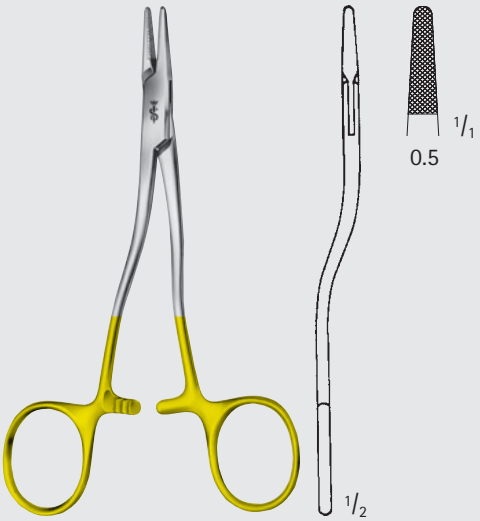
mit glattem Maul

BM024R

WEBSTER

BM014R-BM024R

125 mm, 5"



KILNER

BM018R

135 mm, 5 1/4"

BAUMGARTNER

BM015R

145 mm, 5 3/4"

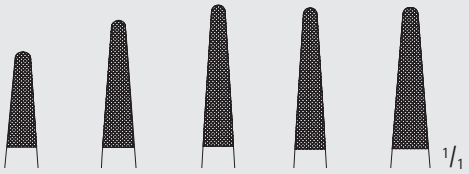
1/1
0.4

1/2

BABY-CRILE-WOOD

BM013R

150 mm, 6"

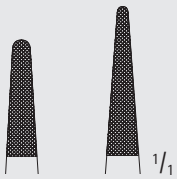


0.4	0.4	0.4	0.4	0.4
BM016R	BM017R	BM019R	BM030R	BM021R
145 mm	185 mm	200 mm	270 mm	305 mm
5 3/4"	7 1/4"	8"	10 3/4"	12"

1/1

CRILE-WOOD

BM016R–BM030R



1/1

0.4	0.4
BM020R	BM023R
175 mm	260 mm
7"	10 1/4"

SAROT

BM020R–BM023R

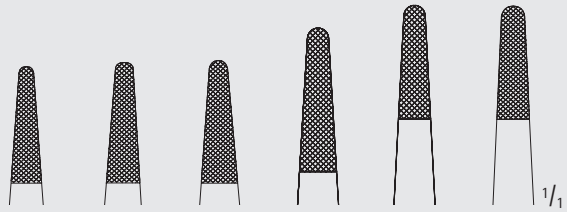
1/1
0.4

1/2

HEGAR-MAYO-SEELEY

BM022R

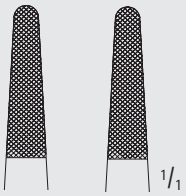
200 mm, 8"



BM065R	BM066R	BM067R	BM068R	BM070R	BM069R
150 mm	185 mm	205 mm	235 mm	265 mm	300 mm
6"	7 1/4"	8"	9 1/4"	10 1/2"	12"

HEGAR-MAYO

BM065R–BM070R



BM077R	BM078R
205 mm	245 mm
8"	9 3/4"

HEGAR

BM077R–BM078R

heavy patterns

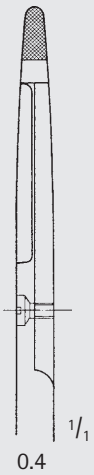
kräftige Modelle

with smooth jaws
mit glattem Maul

BM127R
125 mm, 5"

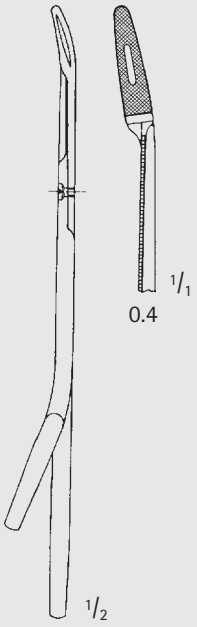
HEGAR-OLSEN MODIF. LANGE

BM128R
145 mm, 5 3/4"



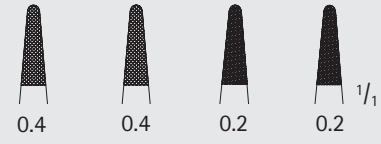
HEGAR-OLSEN

BM124R
1 blade fine serrated
1 Blatt fein gezahnt
165 mm, 6 1/2"



GILLIES

BM129R
160 mm, 6 1/4"



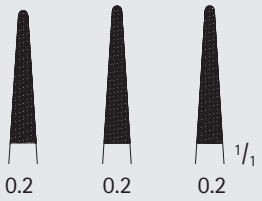
BM033R	BM034R	BM063R	BM064R
165 mm	210 mm	165 mm	210 mm
6 1/2"	8 1/4"	6 1/2"	8 1/4"

DE BAKEY

BM033R–BM064R

very delicate

sehr fein

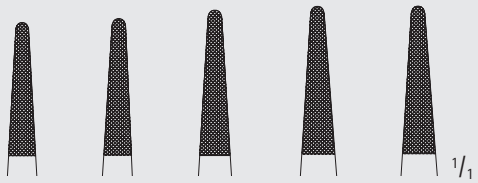


BM025R	BM026R	BM027R
180 mm	200 mm	230 mm
7"	8"	9"

BM025R–BM027R

very delicate

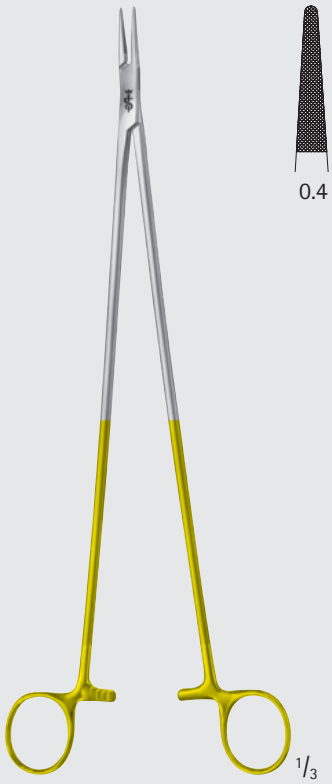
sehr fein



BM032R	BM035R	BM036R	BM037R	BM038R
150 mm	180 mm	230 mm	250 mm	305 mm
6"	7"	9"	10"	12"

DE BAKEY

BM032R–BM038R



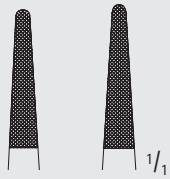
DE BAKEY

BM040R

slender pattern

schlankes Modell

305 mm, 12"



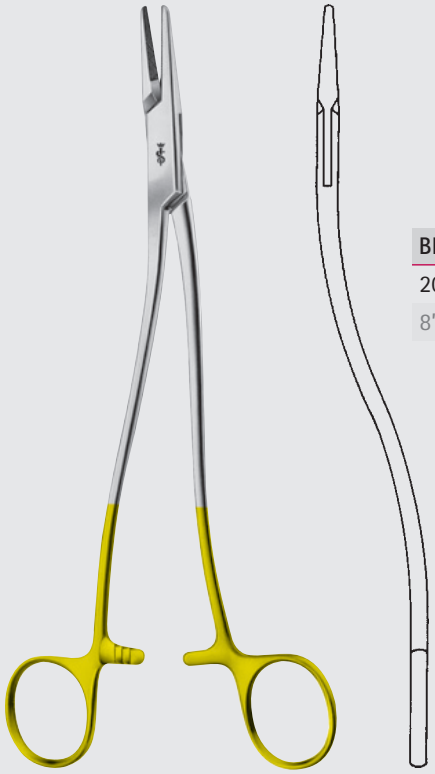
DE BAKEY

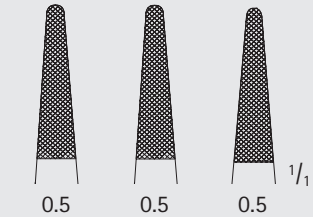
BM051R-BM052R

one extended handle and curved rings ensure optimum grip

Ringe griffgünstig abgesetzt und gebogen

BM051R	BM052R
195 mm	245 mm
7 3/4"	9 3/4"

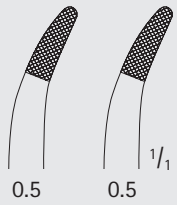




BM100R	BM101R	BM102R
200 mm	240 mm	300 mm
8"	9 1/2"	12"

WERTHEIM

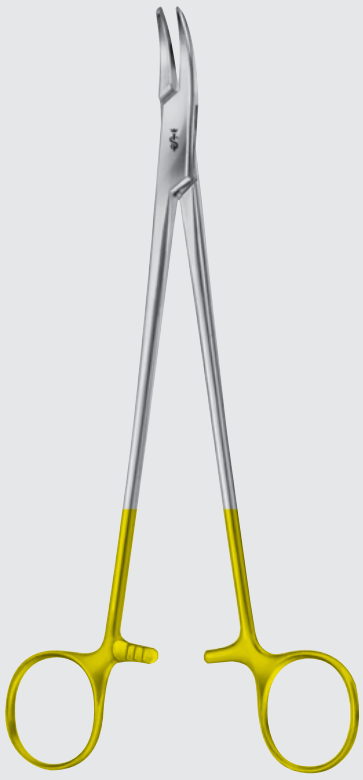
BM100R–BM102R

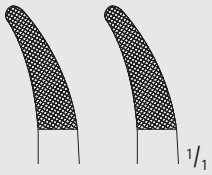


BM095R	BM096R
210 mm	230 mm
8 1/4"	9"

STRATTE

BM095R–BM096R





BM081R	BM084R
200 mm	260 mm
8"	10 1/4"

HEANEY

BM081R–BM084R

WANGENSTEEN

BM042R

275 mm, 10 3/4"

MASSON

BM090R

265 mm, 10 1/2"

FINOCHIETTO

BM092R

265 mm, 10 1/2"

BM110R
Wire twister, ligature forceps
Drahtspannzange, Ligaturzange
150 mm, 6"

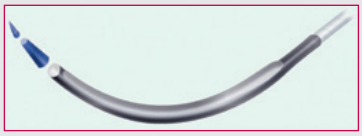
BM111R
Wire twister, ligature forceps
Drahtspannzange, Ligaturzange
150 mm, 6"

BM113R
for sternum suture
für die Sternumnaht
175 mm, 7"

BERRY
MD456R
Wire twister
ligature forceps
Drahtspannzange
Ligaturzange
185 mm, 7 1/4"

BAUMGARTNER
BM112R
Wire twister
ligature forceps
Drahtspannzange
Ligaturzange
200 mm, 8"

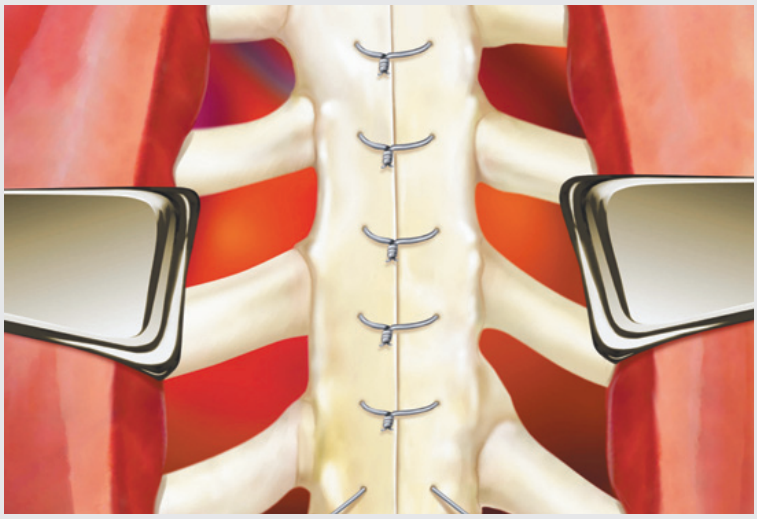
The convenient needle range for all sternotomy closure techniques
Komplettes Nadelportfolio für alle Techniken des Sternumverschlusses



HRC ⋎
Short cutting tip
for intrasternal suturing
Kurze schneidende Spitze
für die intrasternale Naht

HRS ▲
Sternum tip
for intrasternal suturing
Sternumspitze
für die intrasternale Naht

HRN ◯
Blunt tip
for peristernal suturing
Stumpfe Nadelspitze
für die peristernale Naht



Convenient sternum closure with the Sternum Set

- Corrosion-resistant steel monofilament sutures
- Two to four steel wires per set
- Strong fixed or axial needle-thread attachment meeting the surgeon's expectations

Sternum Set advantages

- Exceptional tensile strength to cross and hold bone and tissue without any suture rupture
- High flexibility of the steel wires
- Long Pack presentation for enhanced handling avoids memory effect

Sternumverschluss mit dem Sternum-Set

- Korrosionsbeständige monofile Stahldrähte
- Zwei bis vier Drähte je Set
- Die Stahldrähte sind je nach Wunsch des Chirurgen mit fixierten (Fix) oder rotierenden (Axial) Nadeln verfügbar

Vorteile des Sternum Sets

- Durch die herausragende Reißfestigkeit werden Knochen und Gewebe ohne Fadenbruch passiert
- Hohe Flexibilität der Drähte
- Long Pack Verpackung erleichtert die Handhabung durch reduzierten Memory-Effekt

Needle advantages

- Excellent penetration provided by a specially designed round body needle with a 1/3 cutting tip.
- High bending strength to resist sternum suturing. Strongest needle-thread attachment gives more security.
- Available with fixed or axial needle attachment to enhance mobility and adaptability when suturing.

Vorteile der Nadeln

- Hervorragendes Eindringverhalten durch spezielle Rundkörperkonstruktion mit 1/3 schneidender Spitze.
- Hohe Biegefestigkeit für die belastbare Sternumnaht. Hochfeste Armierung von Nadel und Faden für noch mehr Sicherheit.
- Lieferbar als feststehende Nadel-Faden-Kombination oder mit rotierender Nadel, für noch mehr Mobilität und Vielseitigkeit beim Nähen.

PremiCron® (Sternum closure)

The alternative to steel in sternum closure. PremiCron® Sternum is a synthetic non-absorbable suture made of braided polyester with silicone coating in green.

Indications

- Weak breast bone
- Allergy to the stainless steel alloy (mainly to nickel)
- Pediatric Surgery
- Osteoporosed bones

Features

- Atraumatic needle thread attachment
- Available in suture sizes (USP) 2 and 5 (4 pcs of each per set)
- Assembled with tapercut tip round bodies needle for intrasternal suturing

PremiCron® (Sternumverschluss)

Die Alternative zum Stahl beim Sternumverschluss. PremiCron® Sternum ist ein synthetischer nicht resorbierbarer Faden aus geflochtenem Polyester, beschichtet mit Silikon.

Indikationen

- Schwach ausgeprägtes Brustbein
- Allergie gegen Edelstahllegierungen (z.B. Nickel)
- Kinderherzchirurgie
- Osteoporotische Knochen

Eigenschaften

- Atraumatische Nadel-Faden Armierung
- Verfügbar in Fadenstärke (USP) 2 und 5 mit jeweils 4 Fäden pro Packung
- Armiert mit Rundkörpernadel, deren Sternumspitze (HRS) das intrasternale Nähen erleichtert

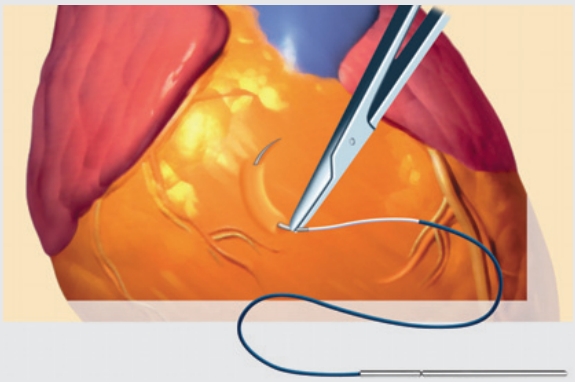
For further details see brochure No. BBSE-084-02.
Weitere Einzelheiten siehe Broschüre Nr. BBSE-084-02.

Steelex® Electrode Set

Steelex® Elektroden Set

The Electrode Set is a unipolar temporary cardiac pacing wire consisting of a stainless steel twisted wire, partially sheathed with blue polyethylene. It is double armed with one straight break-off needle and a curved taper needle.

While the unsheathed end is sutured to the myocardium using the curved needle, the straight break-off needle is passed through the chest wall, snapped at the scored point, ready to be attached to an external pacemaker or to an extension cable.



Das Elektroden Set dient der temporären Elektrostimulation und besteht aus gedrehtem rostfreiem Edelstahl, der zum Teil mit einer blauen Polyethylenisolierung beschichtet ist. Das eine Ende ist mit einer geraden Abbrech-Nadel (break off) und das andere Ende mit einer halbrunden Rundkörpernadel armiert.

Die gebogene Nadel am unbeschichteten Ende wird durch das Myokard geführt und der Draht somit fixiert. Die gerade Abbrech-Nadel (break off) wird durch die Brustwand geführt und an der Sollbruchstelle abgebrochen, so dass sich dieses Ende an einem externen Schrittmacher oder einem Verlängerungskabel anschließen lässt.

Steelex® Electrode Set
Steelex® Elektroden Set

Advantages

- Excellent conductivity and isolation
- Resistance to flexing fatigue provided by the multi-filament construction
- Flexibility to assist in atraumatic implantation and removal
- Easy extraction due to the smooth PE coating
- Excellent tissue compatibility
- Available with one (blue) or two wires per pack (blue and white)

Vorteile

- Hervorragende Leitfähigkeit und Isolierung
- Flexibel durch gedrehten und mehrsträngigen Draht-aufbau
- Flexibel und damit noch atraumatischer bei Implantation und Entfernung
- Durch die glatte PE-Beschichtung leicht zu entfernen
- Optimale Gewebeverträglichkeit
- Verfügbar mit einem (blau) oder zwei Drähten pro Packung (blau und weiß)

For further details see brochure No. BBSE085-02.
Weitere Einzelheiten siehe Broschüre Nr. BBSE-085-02.

TÖNNIS

BM186R

elastic pattern

elastisches Modell

180 mm, 7"

TÖNNIS MODIF.

BM183R

elastic pattern

elastisches Modell

180 mm, 7"

ZWEIFEL

BM170R

200 mm, 8"

heavy pattern
for sternum suture

kräftiges Modell
für Sternumnaht

ZWEIFEL

BM172R

200 mm, 8"

AESCULAP

BM178R

200 mm, 8"

»grazil«

LICHTENBERG

BM132R

elastic pattern

elastisches Modell

195 mm, 7 3/4"

HÖSEL

BM165R

with long neck

mit langem Hals

205 mm, 8"

HÖSEL

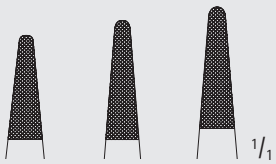
BM168R

with long neck

mit langem Hals

260 mm, 10"

»grazil«



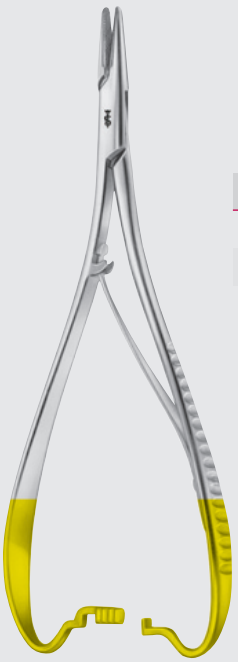
0.4	0.4	0.4
BM148R	BM150R	BM153R
140 mm	170 mm	200 mm
5 1/2"	6 3/4"	8"

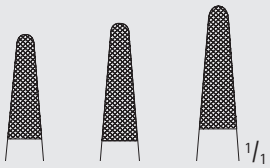
MATHIEU

BM148R–BM153R

delicate patterns

feine Modelle





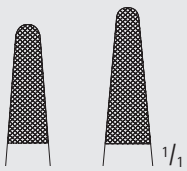
0.5	0.5	0.5
BM149R	BM151R	BM154R
140 mm	170 mm	200 mm
5 1/2"	6 3/4"	8"

MATHIEU

BM149R–BM154R

Standard patterns

Standard-Modelle



0.5	0.5
BM156R	BM158R
200 mm	245 mm
8"	9 3/4"

MATHIEU

BM156R–BM158R

heavy patterns

kräftige Modelle

COOLEY

GF821R

335 mm, 13 1/4"

COOLEY

GF822R

detachable suction tip

abnehmbare Saugerspitze

310 mm, 12 1/4"

COOLEY

GF823R

detachable suction tip

abnehmbare Saugerspitze

295 mm, 11 3/4"

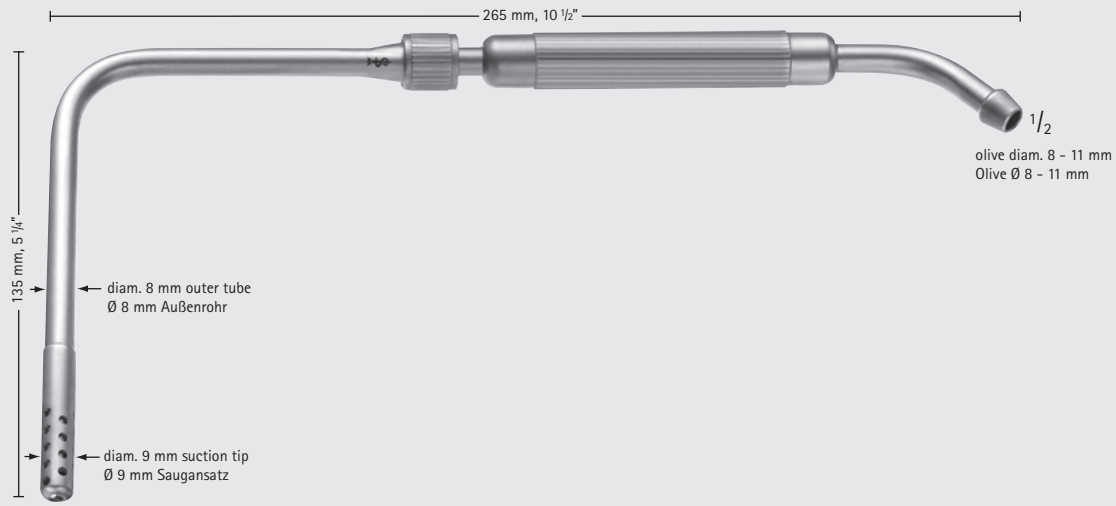
COOLEY

GF824R

detachable suction tip

abnehmbare Saugerspitze

320 mm, 12 3/4"



COOLEY

GF825R

detachable suction tip

abnehmbare Saugerspitze

265 mm, 10 1/2"

POOL

GF860R

with outer tube to be screwed off

mit abschraubbarem Außenrohr

225 mm, 9"

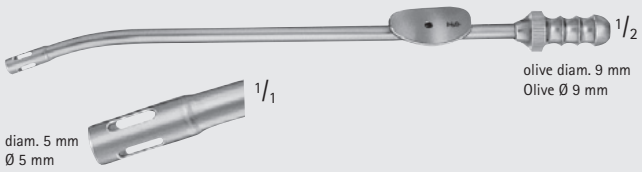
POOL

GF862R

with outer tube to be screwed off

mit abschraubbarem Außenrohr

225 mm, 9"



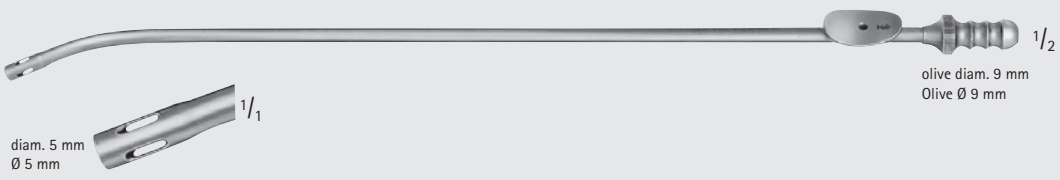
DE BAKEY

GF947R

with finger cut-off and stylet

mit Saugunterbrecher und Mandrin

160 mm, 6 1/4"



DE BAKEY

GF948R

with finger cut-off and stylet

mit Saugunterbrecher und Mandrin

270 mm, 10 3/4"

DE BAKEY

GF946R

with central bore, 3.0 mm diam. with lateral slots

mit zentraler Bohrung, Ø 3,0 mm und seitlichen Schlitzen

275 mm, 10 3/4"

YANKAUER

GF944R

with central bore, 2.0 mm diam.

mit zentraler Bohrung, Ø 2,0 mm

285 mm, 11 1/4"

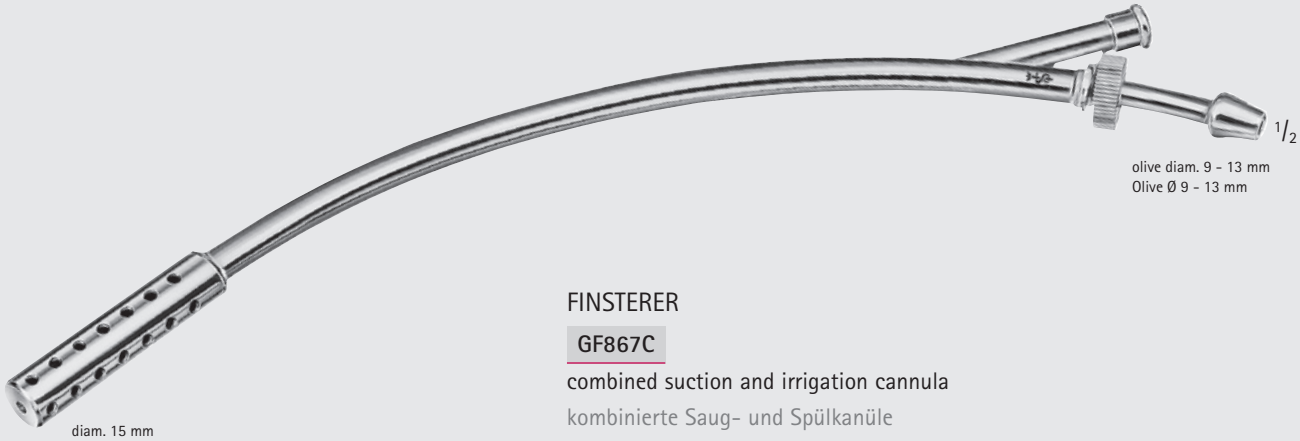
YANKAUER

OM671R

with especially large central bore, 4.8 mm diam.

mit besonders großer zentraler Bohrung, Ø 4,8 mm

285 mm, 11 1/4"



FINSTERER

GF867C

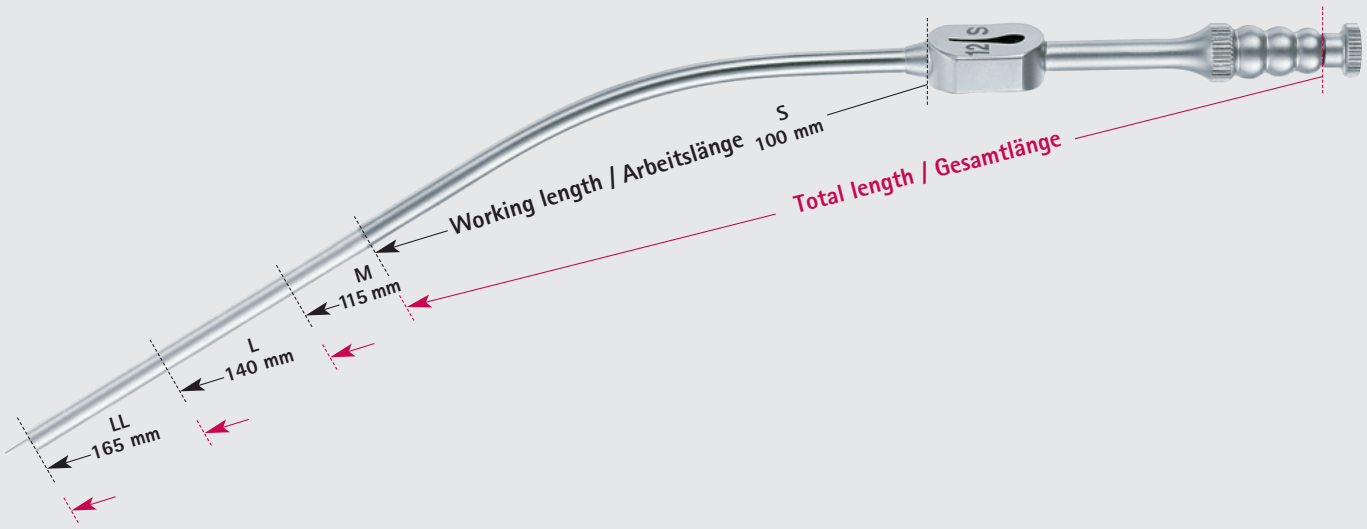
combined suction and irrigation cannula

kombinierte Saug- und Spülkanüle

320 mm, 12 3/4"

- Teardrop shaped thumb control for a very precise suction regulation
- Mallable material for individual forming of the suction hose
- Conical design of the tube prevents plugging
- Delivered with stylet

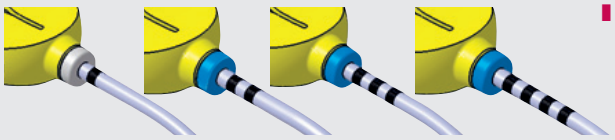
- Tropfenförmiger Saugunterbrecher für eine sehr feine Regulierung der Saugleistung
- Biegsames Material für individuelle Ausformung des Saugrohrs
- Konisches Design des Saugrohres vermindert Verstopfung
- Saugkanüle wird mit Mandrin zur Reinigung geliefert



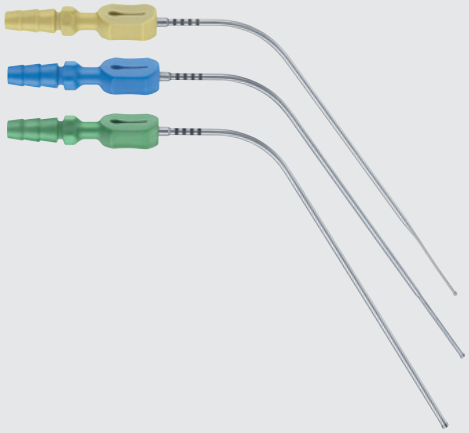
		S	M	L	LL
Working length Arbeitslänge		100 mm, 4"	115 mm, 4 1/2"	140 mm, 5 1/2"	165 mm, 6 1/2"
Total length Gesamtlänge		165 mm, 6 1/2"	180 mm, 7"	205 mm, 8"	230 mm, 9"
Outer diameter Außendurchmesser					
3	1.0 mm	GF401R	GF391R	GF411R	GF421R
4	1.4 mm	GF402R	GF392R	GF412R	GF422R
5	1.7 mm	GF403R	GF393R	GF413R	GF423R
6	2.0 mm	GF404R	GF394R	GF414R	GF424R
7	2.3 mm	GF405R	GF395R	GF415R	GF425R
8	2.7 mm	GF406R	GF396R	GF416R	GF426R
9	3.0 mm	GF407R	GF397R	GF417R	GF427R
12	4.0 mm	GF409R	GF399R	GF419R	GF429R

RAABE micro suction

- Fine micro suction instruments
- Rigid instrument, ideal for precise preparations
- Atraumatic instrument tip
- Wider view of he operating site even for the narrowest of approaches
- Ring-coded length, available in:
  - 80 mm (1 ring)
  - 100 mm (2 rings)
  - 120 mm (3 rings)
  - 140 mm (4 rings)

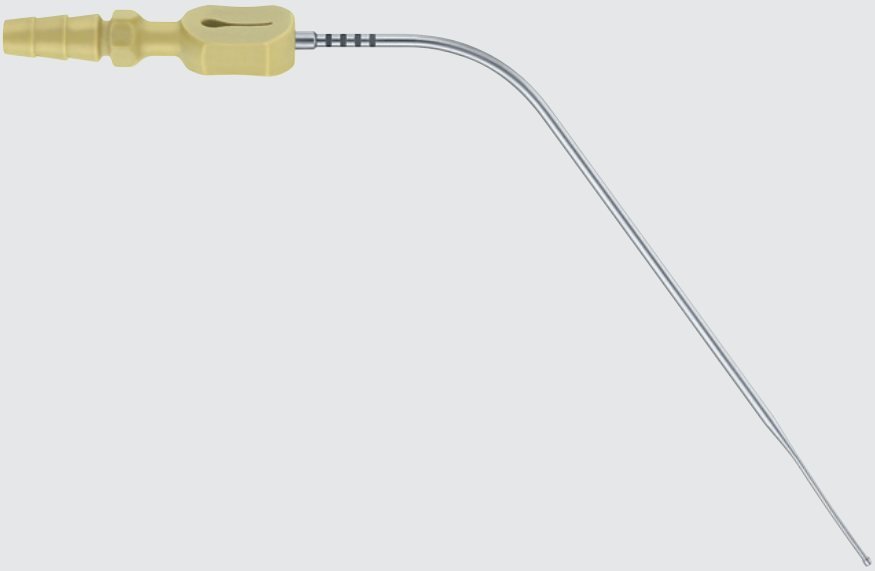


- Color-coded width, available in
  - 4 FR (yellow)
  - 6 FR (blue)
  - 9 FR (green)



Mikro-Sauger nach RAABE

- Feine Mikro-Sauger
- Biegesteifes Instrument ideal für präzise Präparationen
- Atraumatische Instrumentenspitze
- Erweiterte Übersicht im OP-Gebiet auch bei kleinsten Zugängen
- Kodierte Längen über Strichcode, verfügbar in:
  - 80 mm (1 Ring)
  - 100 mm (2 Ringe)
  - 120 mm (3 Ringe)
  - 140 mm (4 Ringe)
- Kodierte Breite, verfügbar in:
  - 4 FR (gelb)
  - 6 FR (blau)
  - 9 FR (grün)



RAABE

Working length Arbeitslänge			80 mm, 3 1/8 "	100 mm, 4 "	120 mm, 4 3/4 "	140 mm, 5 1/2"
Total length Gesamtlänge			130 mm, 5 1/8"	150 mm, 6"	165 mm, 6 1/2"	185 mm, 7 1/4"
Color-coded width Kodierte Breite	Outer diameter Außendurchmesser		1 ring 1 Ring	2 rings 2 Ringe	3 rings 3 Ringe	4 rings 4 Ringe
yellow / gelb	4	1.4 mm	GF470R	GF473R	GF476R	GF479R
blue / blau	6	2.0 mm	GF471R	GF474R	GF477R	GF480R
green / grün	8	2.7 mm	GF472R	GF475R	GF478R	GF481R

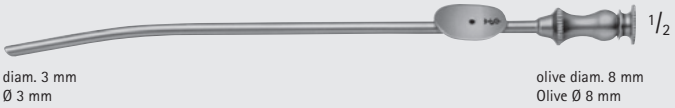
ADSON

GF917R

with finger cut-off

mit Saugunterbrecher

190 mm, 7 1/2"



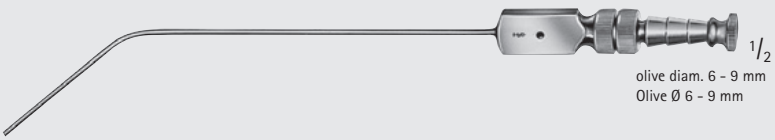
ADSON

GF918R

with finger cut-off and stylet

mit Saugunterbrecher und Mandrin

165 mm, 6 1/2"



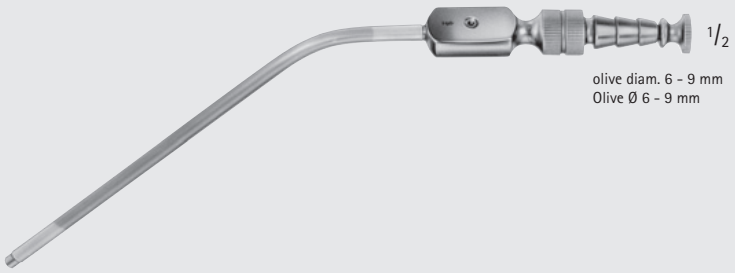
PLESTER

	Diam. Ø
GF939R	1.5 mm
GF940R	2.0 mm
GF941R	2.5 mm
GF942R	3.0 mm

with finger cut-off and stylet, thumb piece parallel to curve, with LUER hub

mit Saugunterbrecher und Mandrin, Griffplatte parallel zur Biegung, LUER-Bohrung

195 mm, 7 3/4"



FERGUSSON

	Diam. Ø
GF933R	4.0 mm

insulated, with finger cut-off and stylet, thumb piece 90° to curve, with LUER hub
isoliert, mit Saugunterbrecher und Mandrin, Griffplatte 90° zur Biegung, LUER-Bohrung
180 mm, 7"

FRAZIER

	Diam. Ø
GF923R	3.0 mm
GF925R	5.0 mm

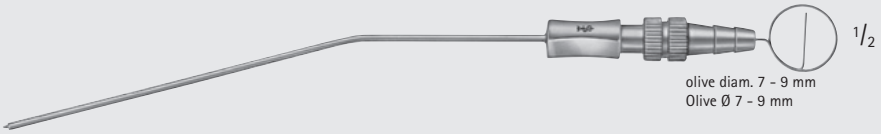
with finger cut-off and stylet, thumb piece 90° to curve, with LUER hub
mit Saugunterbrecher und Mandrin, Griffplatte 90° zur Biegung, LUER-Bohrung
180 mm, 7"

FRAZIER

	Diam. Ø
MD124R	2.3 mm
MD125R	2.7 mm
MD127R	3.4 mm
MD129R	4.0 mm

with finger cut-off and stylet, thumb piece 90° to curve, with LUER hub
mit Saugunterbrecher und Mandrin, Griffplatte 90° zur Biegung, LUER-Bohrung
110 mm, 4 1/4"

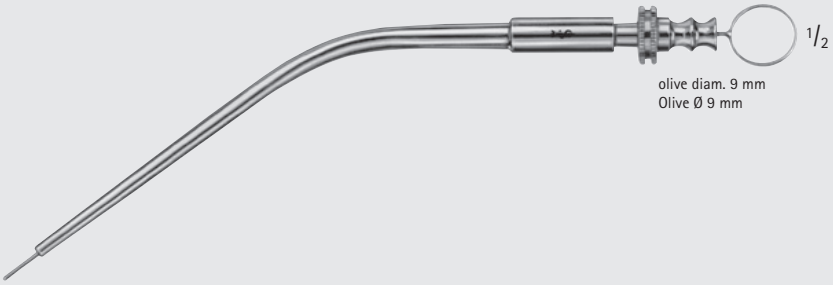
MILLIMETERS



LEMPERT

	Diam. Ø
GF937R	2.0 mm
GF938R	3.0 mm

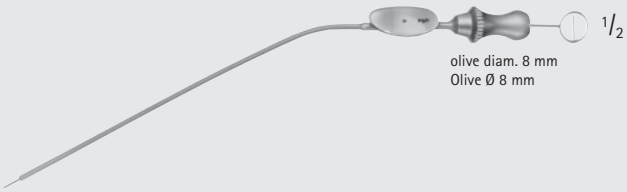
with finger cut-off and stylet
mit Saugunterbrecher und Mandrin
200 mm, 8"



FORMBY

	Diam. Ø
GF932R	3.3 mm

210 mm, 8 1/4"



BARRON

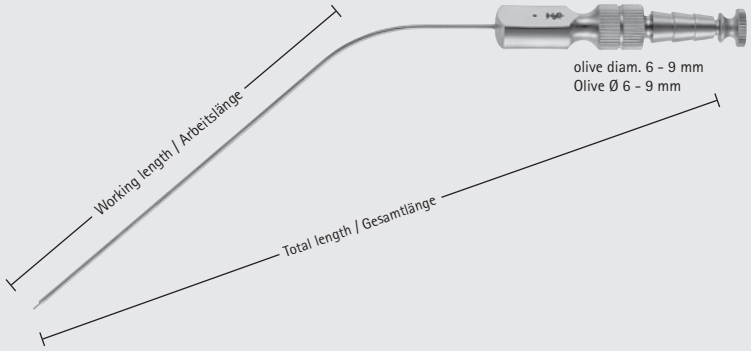
	Diam. Ø
GF935R	1.3 mm
GF936R	2.0 mm

with finger cut-off and stylet
mit Saugunterbrecher und Mandrin
160 mm, 6 1/4"

SCHUHKNECHT

	Diam. Ø
GF756R	1.0 mm
GF757R	0.5 mm

130 mm, 5 1/8"



FERGUSSON

Working length / Arbeitslänge	110 mm, 4 3/8"	130 mm, 5 1/8"	160 mm, 6 1/4"	200 mm, 8"
Total length / Gesamtlänge	195 mm, 7 3/4"	215 mm, 8 1/2"	245 mm, 9 3/4"	280 mm, 11"
Diam. / Ø				
1.5 mm	GF350R	GF360R	GF370R	GF380R
2.0 mm	GF351R	GF361R	GF371R	GF381R
2.5 mm	GF352R	GF362R	GF372R	GF382R
3.0 mm	GF353R	GF363R	GF373R	GF383R
4.0 mm	GF354R	GF364R	GF374R	GF384R
5.0 mm	GF355R	GF365R	GF375R	GF385R

Reprocessing
Aufbereitung

Reprocessing, Care & Maintenance
Aufbereitung, Pflege & Reinigungshinweise

From world first to a worldwide standard
Vom Novum zum weltweiten Standard

For more than 30 years Aesculap sterile containers represent the worldwide standard for sterile supplies packaging and for the systematic organisation of the sterile supply cycle.

In 1971, when Aesculap invented and presented the first genuine sterile container - based on research and development in which Aesculap had played a crucial role since the beginning of the 20th century - this marked the arrival of a world first. The revolutionary packing and supply system quickly proved itself and soon was established as a reliable standard in Germany, Europe and the USA. During all this change patient safety has always been the paramount consideration: from optimal preservation of the sterility of surgical instruments through transport and storage periods right to the operating table. Apart from the safety aspect, Aesculap sterile containers also convince by their economic advantage, making them the sterile packaging system of choice for instrument trays, worldwide.

Seit mehr als 30 Jahren markieren Aesculap Sterilcontainer den weltweiten Standard für Sterilgutverpackung zur systematischen Organisation des Sterilgutkreislaufes.

Mit der Erfindung und Bereitstellung des ersten echten Sterilcontainers schuf Aesculap 1971 ein weltweites Novum – basierend auf einer Forschungs- und Entwicklungsarbeit, die Aesculap bereits seit Anfang des 20. Jahrhunderts entscheidend mitgeprägt hat. Das damals revolutionäre Verpackungs- und Bereitstellungssystem bewährte sich schnell und setzte sich bald als zuverlässiger Standard in Deutschland, Europa und den USA durch. Im Vordergrund der Bewertung stand dabei stets die Patientensicherheit: Von der optimalen Sterilerhaltung der chirurgischen Instrumente während Transport und Lagerdauer bis hin zum operativen Einsatz. Neben dem Aspekt der Sicherheit überzeugen Aesculap Sterilcontainer auch durch ihre ökonomische Komponente und setzten sich damit klar als Sterilgutverpackung für Instrumentensiebe weltweit durch.

Four good reasons to choose the Sterile Container System:

- Safety for patients and staff through preservation of instrument sterility and closed transport of used instruments
- Economic advantages due to reusable packaging, low costs of use and long service life
- Comfortable handling: simple, quick and safe
- Transparency: standardised, easy documentation of the supply cycle

Vier gute Gründe für das Sterilcontainer System:

- Sicherheit für Patient und Personal durch Sterilerhaltung der Instrumente und geschlossenen Transport benutzter Instrumente
- Wirtschaftlichkeit durch die Wiederverwendbarkeit der Verpackung, niedrige Gebrauchskosten und eine hohe Lebensdauer
- Komfortable Handhabung: einfach, schnell und sicher
- Übersichtlichkeit: standardisierbar, einfache Dokumentation des Warenkreislaufes

Organisation System for Sterile Supply
Organisationssystem für die Sterilgutversorgung

As the worldwide leading provider for the entire management of sterile goods, Aesculap possesses a comprehensive and proven range of products for your sterile packaging. The variety of the Aesculap Organisation Systems offers packaging solutions for all instrument sets implemented in your hospital. Containers and trays are available in various sizes and can be used in conjunction with our comprehensive range of accessories that make the Aesculap Organisation Systems a universal solution for your sterile supply.

Als weltweit führender Anbieter für das gesamte Sterilgutmanagement verfügt Aesculap über eine umfangreiche und praxisbewährte Produktpalette zur Sterilgutverpackung. Die Vielfalt der Aesculap Organisationssysteme bietet Verpackungslösungen für alle in der Praxis verwendeten Instrumentensiebe des Krankenhauses. Container und Siebkörbe in verschiedenen Versionen und Größen sowie das umfangreiche Zubehör machen Aesculap Organisationssysteme zur Universallösung für die Sterilgutversorgung.

Safety. Economy. Transparency.
Sicherheit, Wirtschaftlichkeit und Transparenz.

Through their safety and economic advantages, Aesculap sterile containers became an established part of the sterile supply cycle everywhere in the world.
By using Aesculap sterile containers, the entire cycle of supply and disposal of sterile materials can be standardised, controlled and documented: from sterile storage and transport, through easy setup in the operating room, to safe disposal of the used instruments. At the disposal stage, Aesculap sterile containers reliably protect hospital staff against contamination and thereby support hospital quality management systems with regard to hygiene and infection prophylaxis.

Ihre Sicherheit und Wirtschaftlichkeit sowie die komfortable Handhabung haben Aesculap Sterilcontainer zu einem festen Bestandteil der weltweiten Sterilgutversorgung werden lassen. Durch die Verwendung der Sterilcontainer ist der gesamte Kreislauf der Sterilgutver- und entsorgung standardisierbar, kontrollierbar und dokumentierbar: dies gilt für die sterile Lagerung und den sterilen Transport ebenso wie für die einfache Bereitstellung im OP und die sichere Entsorgung der benutzten Instrumente.
Bei der Entsorgung schützen Aesculap Sterilcontainer das Klinikpersonal zuverlässig vor Kontamination und unterstützen somit das Qualitätsmanagement der Klinik hinsichtlich Hygiene und Infektionsprophylaxe.

Training, development
Weiterbildung, Weiterentwicklung

Aesculap is involved in the continuous improvement of sterile supply everywhere in the world, through training events held by the Aesculap Academy, contributions by Aesculap staff and collaborators at national and international conferences, and extensive consulting activities on site with the user. At the same time, the Aesculap Sterile Container System benefits from continuous development to meet new demands on the processing and sterilisation of surgical instruments, be it by using new materials or by introducing intelligent germ barrier systems.

Aesculap engagiert sich weltweit für die kontinuierliche Verbesserung der Sterilgutversorgung durch Weiterbildungsveranstaltungen der Aesculap Akademie, durch Referententätigkeit von Aesculap Mitarbeitern bei nationalen und internationalen Kongressen sowie durch umfangreiche Beratungstätigkeiten beim Anwender selbst. Parallel wird das Aesculap Sterilcontainersystem beständig weiterentwickelt, um neuen Anforderungen der Aufbereitung und Sterilisation chirurgischer Instrumente gerecht zu werden, sei es durch die Verwendung neuer Materialien oder den Einsatz intelligenter Keimrückhaltesysteme.

For further details see
catalogue **C40402**

Weitere Informationen finden
Sie in unserem Prospekt **C40401**

Sterilit® Oil Sprays
Sterilit® Pflegeöle

Sterilit® - Oil spray

- reduces friction and protects against friction corrosion ensures good gliding and lubrication characteristics
- proven physiologically safe in accordance with ISO 10993
- environmentally friendly (CFC-free)
- suitable for steam sterilisation procedures in accordance with ISO 17665-1 and for hot air sterilisation up to max. 180 °C

Steam Penetration

- The special formula ensures that the steam penetrates the oil film during the sterilization process, even in areas difficult to access.

Sterilit® - Pflegeöle

- verringert Reibung und schützt gegen Reibkorrosion
- gewährleistet gute Gleit- und Schmiereigenschaften
- physiologische Unbedenklichkeit geprüft nach ISO 10993.
- berücksichtigt Umweltaspekte (FCKW-frei)
- geeignet für Dampfsterilisationsverfahren nach ISO 17665-1 und Heißluftsterilisation bis max. 180 °C

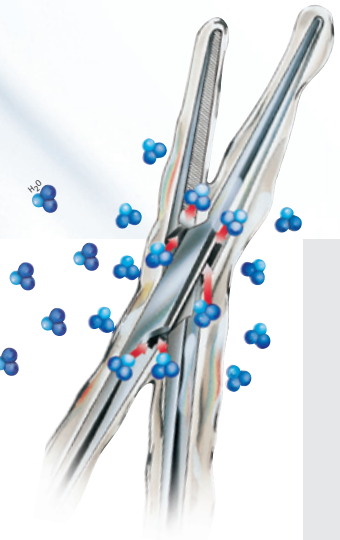
Sterilisierbarkeit

- Durch die spezielle Rezeptur ist gewährleistet, dass auch in schwer zugänglichen Stellen der Wasserdampf während des Sterilisiervorganges den Ölfilm durchdringt.

Aesculap maintenance oils Sterilit® I, Sterilit® Power Systems

Applications
All Sterilit® maintenance oils are validated for steam sterilization methods according to DIN EN ISO 17665-1, as well as for dry heat (heated air) sterilization up to 180 °C. They are applied prior to sterilization.

Sterilit®	Cat. No.	Adapter No.
Sterilit® I, spray	JG600	–
Sterilit® I, drip oiler	JG598	–
Sterilit® Hi, spray	GB600	GB600820
Sterilit® mini, spray	GB600	GB600830
Sterilit® Power Systems, spray	GB600	GB600840
Sterilit® Power Systems, drip oiler	GA059	–



Registration
Sterilit® carries the CE label and fulfils the fundamental requirements in compliance with MDD93/42/EEC.

Properties
- Steam penetrable oil film.
- Oil film does not interfere with the effectiveness of the sterilization.
- Lubricates and protects against corrosion.
- Silicone-free, no staining or crust formation on instrument surfaces.

Biological safety – toxycology
There is no evidence that hazards to the patient will arise during surgical application of Sterilit® treated devices. This is only valid that the Sterilit® oil is properly and carefully used as described in the instructions for use.

Safe handling
- Only apply prior to sterilization.
- Store in a cool and dry place protected from light.
- Take note of the use-by date.
- Before using Sterilit, reprocess the object to be lubricated according to the relevant instructions for use.

Warning
- Avoid release to the environment.
- Refer to special instructions/safety data sheets.

Anwendungshinweise für Sterilit® I, Sterilit® Power Systems

Einsatzgebiet
Alle Sterilit®-Pflegeöle sind für Dampfsterilisations-Verfahren validiert nach DIN EN ISO 17665-1 und zur Heißluftsterilisation bis max. 180 °C geeignet. Sie werden vor der Sterilisation angewendet (Achtung: Motorensysteme sind nicht für die Heißluftsterilisaton geeignet).

Sterilit®	Art.-Nr.	Adapter-Nr.
Sterilit® I, Spray	JG600	–
Sterilit® I, Tropföler	JG598	–
Sterilit® Hi, Spray	GB600	GB600820
Sterilit® mini, Spray	GB600	GB600830
Sterilit® Power Systems, Spray	GB600	GB600840
Sterilit® Power Systems, Tropföler	GA059	–

Registrierung
Sterilit® trägt die CE Kennzeichnung und erfüllt die grundlegenden Anforderungen nach MDD93/42/EWG.

Eigenschaften
- Wasserdampfdurchlässiger Ölfilm
- Keine Beeinträchtigung der Sterilisationswirkung durch den Ölfilm
- Schmierwirkung und Korrosionsschutz
- Silikonfrei, keine Flecken- und Krustenbildung auf Instrumentoberflächen

Biologische Sicherheit – Toxikologie
Anzeichen für eine Gefährdung des Patienten durch die chirurgische Anwendung von mit Sterilit® behandelten Geräten sind nicht bekannt. Dies gilt nur unter der Bedingung, dass das Sterilit® Öl fachgerecht und sorgfältig eingesetzt wird wie in der Gebrauchsanweisung beschrieben.

Sichere Handhabung
- Nur vor der Sterilisation anwenden.
- Kühl, trocken und lichtgeschützt lagern.
- Mindesthaltbarkeitsdatum beachten.
- Vor der Verwendung von Sterilit® müssen Medizinprodukte gemäß Gebrauchsanweisung aufbereitet werden.

Warnung
- Freisetzung in die Umwelt vermeiden.
- Besondere Anweisungen einholen/Sicherheitsdatenblatt zu Rate ziehen.

STERILIT®

JG600

Aesculap Oil Spray in spray cans (CFC-free), for instrument care prior to sterilization
Aesculap Ölspray, in Spraydosen (FCKW-frei), zur Instrumentenpflege vor der Sterilisation

STERILIT®

GB600

Aesculap oil spray in spray cans (CFC-free), for power systems care prior to sterilization
Aesculap Ölspray, in Spraydosen (FCKW-frei) zur Pflege von Motoren-systemen vor der Sterilisation

GB600810

mirco-line

GB600820

Hilan®, Hilan® XS, Hi-Line, Hi-Line XS, microLAN, miniLAN, microspeed® EC, microspeed® uni

GB600830

mini-line

GB600840

Acculan® 3Ti

GB600870

mircospeed® uni XS

STERILIT®

JG598

Aesculap instrument oil for lubricating joints and locks prior to sterilization
Aesculap Instrumentenöl, zum Ölen der Schlüsse, Sperren usw. vor der Sterilisation

GA059

Aesculap motor-handpiece oil, for lubricating friction bearings on motors prior to sterilization
Aesculap Motorenhandstücköl, zum Ölen der Gleitlager an Motoren vor der Sterilisation

Please observe the following recommendations for the care and maintenance of your high-quality Aesculap instruments.

Treatment of brand new Instruments

Brand new instruments must be cleaned before the first sterilization or use. Protective caps and protective films must be removed completely, from all microsurgical instruments.

After each use

- Clean contaminated instruments as quickly as possible.
- Open instruments with a joint e.g. to a 90°- angle.
- For machine cleaning, place instrument in a basket suitable for the cleaning process (make sure cleaning solution and rinse water from machine comes into contact with all surfaces of the instrument).
- Completely dismantle any dismantleable instruments.
- Preferably dry removal tray in the OR.
- For wet removal always use an active cleaning disinfectant. Rinse the instrument thoroughly with clear, flowing water before machine cleaning and disinfecting.
- If necessary, treat with an ultrasound washer. Always use according to the manufacturer's instructions:
  - for effective mechanical cleaning before manual cleaning,
  - for pre-treatment of instruments with dried on contaminant before machine cleaning.
- Microneurosurgical instruments and instruments with fine working distal ends should not be treated with ultrasound. They should be cleaned either manually or in the washing machine. In case of cleaning in a machine please use a suitable storage rack.
- If cleaning manually or in a machine: always follow manufacturer's instructions. For detergents and other cleaning solutions.

Manual Cleaning/Disinfection

- Place instruments into a suitable disinfectant with active cleaning properties so that all surfaces, inner cavities, lumens and openings come into contact with the solution. Always follow the disinfectant manufacturer's instructions.
- After chemical disinfection, always rinse thoroughly with clear, flowing water. Always follow the instructions provided by the manufacturer of the disinfectant.
- Remove any contaminants still clinging to the instrument with a soft synthetic brush. Do not use a scouring or metal brush.
- Clean any lumens and conduits with soft, round, synthetic brushes. Please note, the lumen and the brush must have the same diameter.
- Final rinsing to be done with distilled or de-ionized water.
- Dry instrument with an absorbent, soft and lint-free cloth.
- Dry lumens and conduits with compressed air. Always use this method with caution.

Machine Cleaning/Disinfection

- Select the program according to the material of the instrument (e.g. stainless instruments, steel, aluminium) to be cleaned. Always follow the machine manufacturer's instructions.
- Final rinsing to be done with de-ionized or demineralized water.

- Leave sufficient time for drying.
- Remove the instrument from the machine immediately after the program is finished.

Care/Testing

- Allow instruments to cool down to room temperature.
- Lubricate movable parts (e.g. joints and ends) with special sterilization-capable, steam-permeable lubricant (e.g. Sterilit Oil Spray JG600 or Sterilit Instrument Oil JG598).
- After each cleaning, disinfection process, check the instrument to make sure it is clean, that it functions properly and it has not suffered any damage, e.g. bent, broken, fractured or worn parts.
- Remove any damaged and defective instruments and replace with functional items and send away any product which is damaged for repair.

Storage

- Place instruments with the fine working end and/or microneurosurgical instruments in a suitable storage rack. Always secure microneurosurgical instruments properly.
- Where possible sterilize instruments on the first ratchet.

Sterilization

- To steam sterilize, proceed as follows: Steam sterilization must be carried out according to a validated steam sterilization process (e.g. with a sterilizer meeting the specifications of DIN 285 and validated according to DIN EN ISO 17665-1).
  When using the fractional vacuum method, use the 134°C-/2 bar program for sterilization with a minimum hold time of 5 minutes.

Recommended Products

STERILIT®

JG600

Aesculap Oil Spray in aerosol can (ozone-friendly), for maintenance of instruments prior to sterilization.

STERILIT®

JG598

Aesculap Instrument Oil, for box locks, ratchets etc. prior to sterilization.

You will find detailed information about the reprocessing of individual Aesculap products in the data base "Reprocessing/Instructions for Use" on the internet:
www.aesculap-extra.net

Bitte berücksichtigen Sie bei der Aufbereitung Ihrer hochwertigen Aesculap Instrumente die nachstehenden Empfehlungen.

Behandlung fabrikneuer Instrumente

Fabrikneue Instrumente sind vor der ersten Sterilisation bzw. Nutzung zu reinigen. Schutzkappen und Schutzfolien sind vollständig zu entfernen, z.B. bei Meißeln, Raspatorien oder mikrochirurgischen Instrumenten.

Nach jedem Gebrauch

- Kontaminiertes Instrument schnellstmöglich aufbereiten.
- Gelenkinstrument in einem 90°- Winkel öffnen.
- Bei maschineller Reinigung, Instrument auf reinigungsgerechte Siebkörbe legen (Spülschatten vermeiden).
- Zerlegbares Instrument in Einzelteile zerlegen.
- Vorzugsweise trocken entsorgen.
- Bei Nassentsorgung reinigungsaktive Desinfektionsmittel verwenden. Vor maschineller Reinigung und Desinfektion Instrument gründlich mit klarem, fließendem Wasser spülen.
- Falls nötig, Ultraschallbehandlung nach den Anweisungen des Geräteherstellers durchführen:
  - als effektive mechanische Unterstützung bei manueller Reinigung,
  - zur Vorbehandlung von Instrumenten mit angetrockneten Verschmutzungen vor der maschinellen Reinigung.
- Mikroinstrumente und Instrumente mit feinen Arbeitsenden sollten möglichst nicht im Ultraschall, sondern nur manuell oder maschinell gereinigt werden. Bei maschineller Reinigung Mikro-Instrumente in geeigneten Lagerungshilfen lagern.
- Manuell oder maschinell reinigen. Herstellerangaben beachten.

Manuelle Reinigung/Desinfektion

- Instrument in ein geeignetes reinigungsaktives Desinfektionsmittel legen, so dass alle Oberflächen, Hohlräume, Lumen und Öffnungen bedeckt sind. Anweisungen des Desinfektionsmittelherstellers beachten.
- Nach der chemischen Desinfektion immer ausreichend und intensiv mit klarem und fließendem Wasser abspülen. Anweisungen des Desinfektionsmittelherstellers beachten.
- Anhaftende Verschmutzungen mit einer weichen Kunststoffbürste entfernen. Keine scheuernden Reinigungsmittel oder Metallbürsten verwenden.
- Lumen und Kanäle mit weichen Rund bürsten aus Kunststoff reinigen. Die Durchmesser von Lumen und Bürste müssen einander entsprechen.
- Schlussspülung mit destilliertem oder vollentsalztem Wasser durchführen.
- Instrument mit saugfähigem, weichem und fusselfreiem Tuch trocknen.
- Lumen und Kanäle mit Druckluft trocknen.

Maschinelle Reinigung/Desinfektion

- Bei der Programmwahl das Material (z.B. nichtrostender Instrumentenstahl, Aluminium) des zu reinigenden Instruments berücksichtigen. Anweisungen des Geräteherstellers beachten.
- Schlussspülung mit vollentsalztem Wasser durchführen.
- Ausreichende Trocknungsphase einhalten.
- Instrument sofort nach Beendigung des Programms aus der Maschine nehmen.

Reprocessing, Care & Maintenance – Aufbereitung, Pflege & Reinigungshinweise

Proper Maintenance of Instruments

Instrumentenpflege richtig gemacht

Pflege/Prüfung

- Instrument auf Raumtemperatur abkühlen lassen.
- Bewegliche Teile (z.B. Gelenke und Schlüsse) mit sterilisierbarem, dampfdurchlässigem Pflegeöl leicht ölen (z.B. Sterilit Ölspray JG600 oder Sterilit Instrumenten-Öl JG598).
- Nach jeder Reinigung, Desinfektion, Instrument prüfen auf Sauberkeit, Funktion und Beschädigungen, z.B. verbogene, zerbrochene, rissige, abgenutzte und abgebrochene Teile.
- Beschädigtes und defektes Instrument aussortieren und ersetzen.

Packen

- Instrument mit feinem Arbeitsende und/oder mikrochirurgisches Instrument in geeigneten Lagerungshilfen lagern.
- Instrument mit Sperre in der ersten Raste fixieren.

Sterilisation

- Sterilisieren mit Dampf, dabei folgendes beachten: Die Dampfsterilisation hat nach einem validierten Dampfsterilisationsverfahren (z.B. Sterilisator gemäß DIN 285 und validiert gemäß DIN EN ISO 17665-1) zu erfolgen. Bei einer Anwendung des fraktionierten Vakuumverfahrens ist die Sterilisation mit dem 134°C -/ 2 bar-Programm bei einer Mindesthaltezeit von 5 Minuten durchzuführen.

Empfohlene Produkte

STERILIT®

JG600

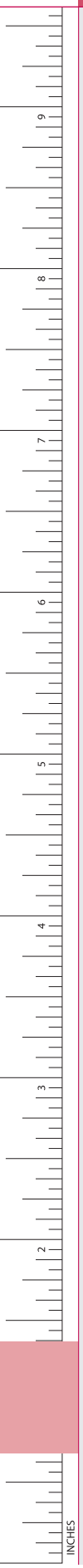
Aesculap Ölspray in Sprühdose (FCKW-frei), zur Instrumentenpflege vor der Sterilisation.

STERILIT®

JG598

Aesculap Instrumenten-Öl, zum Ölen der Schlüsse, Sperren usw. vor der Sterilisation.

Ausführliche Informationen zur Aufbereitung individueller Aesculap Produkte finden Sie in der Datenbank "Aufbereitung/Gebrauchsanweisungen" im Internet unter:
www.aesculap-extra.net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