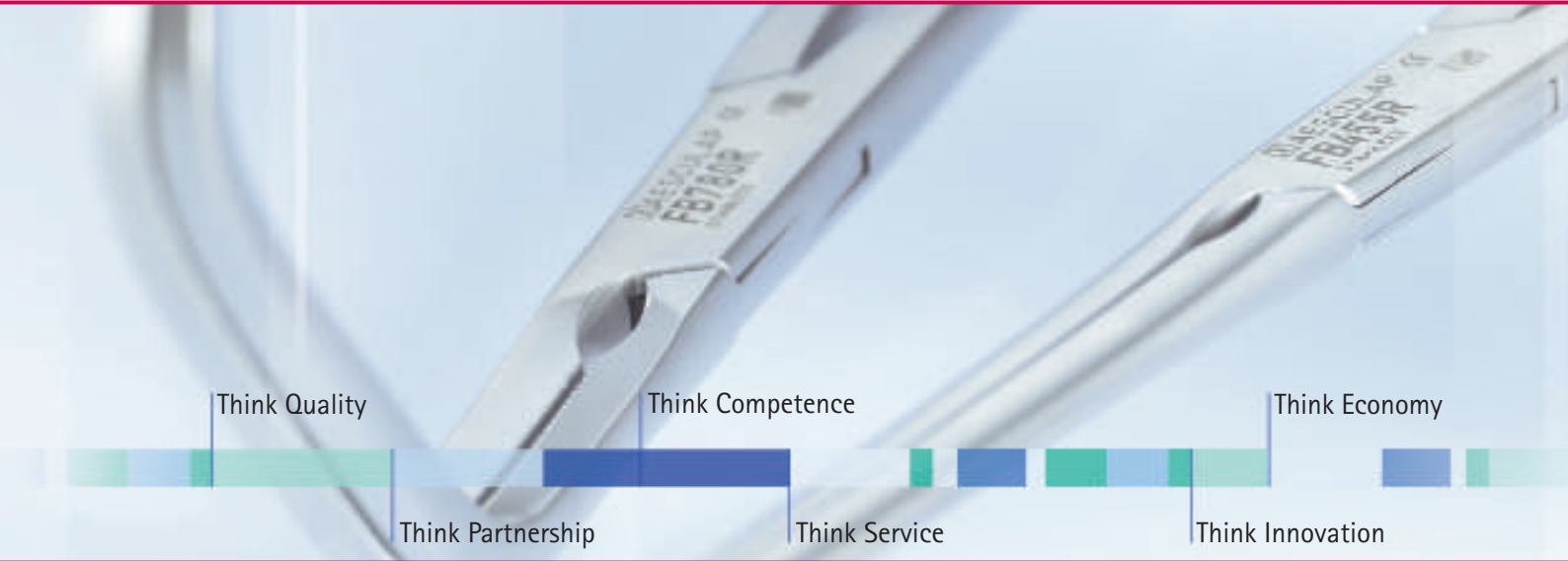


# Aesculap Surgical Instruments

General Catalog



Think Surgical Instruments. 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 130 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.**

## Think Quality. Think Aesculap.

Um den eigenen hohen Ansprüchen und den Erwartungen der Anwender in allen Bereichen gerecht zu werden, sind auch die Aesculap Qualitätsanforderungen außerordentlich hoch. Bei mehr als 17.000 Produkten, die nahezu alle Indikationen der einzelnen Fachbereiche abdecken, kein einfaches Unterfangen.

Von vornherein hat man sich daher eine eigene Qualitätsnorm auferlegt, die die erlaubten DIN/ISO Standard-Toleranzen in jeder Hinsicht stark begrenzt. Das macht sich bereits bei der Auswahl und Prüfung der Werkstoffe bemerkbar und setzt sich über den gesamten Fertigungsprozess fort.

Die auf einer Symbiose aus Hightech und Handarbeit basierende Herstellungstechnik der Instrumente sowie eine hohe Fertigungstiefe ermöglichen Modelltreue und höchste Präzision in stets gleichbleibender Qualität.

Bei Aesculap weiß man schließlich seit über 130 Jahren, dass es nichts Wirtschaftlicheres gibt, als eine hohe Qualität.



### ■ Qualitätssicherung

Ein wesentlicher Bestandteil des umfangreichen Qualitätsmanagementsystems ist der integrierte Ablauf von der Produktidee, über die Entwicklung, die Produktion bis zum geprüften fertigen Instrument. Dies beinhaltet moderne Fertigungsverfahren und gesicherte Prozessabläufe inklusive systematischer Qualitätskontrollen, um die konstant hohe Aesculap Qualität zu sichern.





■ Nur mit dem Know-how, der Erfahrung und Sorgfalt der Aesculap Chirurgiemechaniker lässt sich reproduzierbare Aesculap Qualität über Jahrzehnte hinaus garantieren. Wissen, das man verantwortungsvoll weitergibt.



### Hartmetall-Instrumente

Bei Instrumenten mit Hartmetall-Einlagen verwenden wir nur hochwertige nickelgebundene Hartmetall-Plättchen, die sich durch eine hohe Korrosionsbeständigkeit und einen geringen Verschleiß auszeichnen.



### Arterienklemme – Olive im Maulbereich

Die Olive bildet den Übergang vom Arbeitsende zum „Schluss“ des Instrumentes. Durch diese besondere Anatomie wird das Maul elastischer und das Instrument weniger bruchanfällig.



Wie wir erreichen, dass jedes Aesculap Instrument präzise den Formen und Abmessungen des Masters entspricht?  
Wir kontrollieren jedes einzelne Instrument!

## Think Innovation. Think Aesculap.

Im kontinuierlichen Dialog mit Praktikern und klinischen Partnern entwickelt und realisiert Aesculap Instrumente für alle chirurgischen Disziplinen – nicht selten mit Vorbildcharakter. Weltweit arbeitet ein Team von etwa 200 Mitarbeitern im Bereich Forschung und Entwicklung an neuen, wirtschaftlich tragbaren Lösungen im Sinne einer bestmöglichen Patientenversorgung.

Nicht das technologisch Machbare, sondern das medizinisch Sinnvolle steht dabei grundsätzlich im Mittelpunkt.

Sinnvolle Entwicklungen bedeuten für uns, den Verlauf eines chirurgischen Eingriffs durch die Funktionalität des eingesetzten Instrumentariums unter wirtschaftlichen Gesichtspunkten entscheidend positiv zu beeinflussen, wie zum Beispiel:



### BipoJet

Bipolare Präparierschere für die offene Chirurgie

BipoJet ermöglicht Präparieren, mechanisches Schneiden und Koagulieren in einem Arbeitsgang. Dies bedeutet für den Chirurgen, dass er mit BipoJet noch schneller, sicherer und effizienter arbeiten kann. Neuartige Fertigungstechnologien wie der solide Keramikeinsatz im Scherenblatt sowie eine PEEK-Kunststoffbeschichtung stehen für die Langlebigkeit und elektrische Sicherheit. Für die Klinik bedeuten Effizienz, Sicherheit und Langlebigkeit einen wichtigen wirtschaftlichen Vorteil.



### Retraktionssystem Münster

Das Retraktionssystem Münster, mittlerweile ein Synonym für Variabilität, Flexibilität und Stabilität in der Abdominalchirurgie, wurde in seiner Weiterentwicklung durch einen neuen offenen Rahmen ergänzt. Dieser ist durch eine neuartige Gelenktechnologie stufenlos in drei Ebenen leicht und schnell verstellbar. Für den Anwender bedeutet dies noch mehr Freiraum und Anpassungsfähigkeit des Systems an die individuelle OP-Situation.



### Mikro-Instrumente

für die Herz- und Gefäßchirurgie

Hergestellt mit modernsten Fertigungstechnologien aus ausgewählten Materialien für ausgezeichnete Funktionalität. Die Arbeitsflächen der Maulteile von Nadelhaltern und Pinzetten sind mit der Aesculap DIADUST Diamantstaub-Beschichtung versehen. Das Ergebnis: eine harte Arbeitsfläche mit hoher Verschleißfestigkeit. Darüber hinaus bietet DIADUST-Beschichtung ein zuverlässiges Fassen von feinen Nadeln sowie von Weichgewebe.

## Gemeinschaftsentwicklung



Bei der Neu- und Weiterentwicklung von chirurgischen Instrumenten arbeitet Aesculap eng mit den Anwendern zusammen. So entstehen hochwertige Produkte, die Maßstäbe setzen und bis ins Detail den Wünschen und Anforderungen des Chirurgen entsprechen.

Aus dieser Kooperation zwischen Aesculap Spezialisten und erfahrenen Anwendern erwachsen wertvolle Synergie-Effekte und außergewöhnliche Projekte, die immer wieder maßgebliche Innovationen im Bereich der chirurgischen Instrumente hervorbringen.

Ein straff konzipiertes Projektmanagementsystem sorgt zudem für Transparenz und Effizienz der Aesculap Entwicklungsprojekte.



## BipoJet – ein Beispiel aus der Praxis



Prof. Dr. med. Gottfried Müller ist Chefarzt der Chirurgischen Klinik im Caritas-Krankenhaus Bad Mergentheim und seit über 20 Jahren maßgeblich in die Entwicklung von Aesculap chirurgischen Instrumenten involviert.

„Eine über 20-jährige erfolgreiche und angenehme Zusammenarbeit mit Aesculap an einer Vielzahl von Projektideen bedeutet für mich freundschaftliches und vertrauensvolles Zuhören, fachlich fundiertes Diskutieren, exaktes Recherchieren und Programmieren von Projekten in Untertiteln: Innovation, Sinnhaftigkeit, Markterwartung, Funktion, Ergonomie, Material, Qualität, Fertigung, Recherche, Überprüfung, Funktionalität, Sicherheit, Zuverlässigkeit, klinische Kontrolle, Praktikabilität, Wirtschaftlichkeit, Systemtauglichkeit und Marktverträglichkeit. All diese Schlagworte stehen hinter Projekten, die für mich interessant waren und sind.

Aesculap bedeutet für mich aber auch die persönliche Verbindung mit interessanten Menschen, die ihre Erfahrung und

Kraft in viele Kontakte einbringen, wie Ingenieure, Mechaniker, Sekretärinnen, Betriebswirte, Mediziner und Entwickler, viele kreative Frauen und Männer aller Berufsklassen.

Aesculap zu kennen heißt für mich, Einblick in eine große seriöse Einheit zu haben, deren Aufgabe es ist, Produkte für die Medizin zu liefern – also Dinge, die mit uns Chirurgen direkt zu tun haben. Aesculap ist vor diesem Hintergrund für jeden Chirurg ein Begriff. Dahinter stehen für mich Menschen am Schreibtisch und am Schraubstock, die sich mit allem Einsatz für Projekte in Zusammenarbeit zur Verfügung stellen, Projekte, die meine medizinische Zukunft mitbestimmen.

Jüngstes Beispiel hierfür ist die gemeinsame Entwicklung von BipoJet.“

Dr. med. Albert Linder ist Chefarzt der Abteilung Thorax-Chirurgie an der Lungenklinik Hemer und von der Idee „aus der Praxis für die Praxis“ überzeugt. Herr Dr. Linder arbeitet seit mehr als 10 Jahren als klinischer Berater eng mit Aesculap zusammen.

„Die Entwicklung der BipoJet-Schere ist ein hervorragendes Beispiel dafür, wie Anwenderideen aus der täglichen Arbeit im OP in kurzer Zeit zu einem marktreifen High-Tech-Produkt werden können. Bei Aesculap geschieht das in ausgezeichneter Kooperation zwischen Chirurg und Entwicklungsteam und immer vor Ort, mal im OP, mal in der Werkstatt.“





Projektberatung mit allen Funktionsbereichen der Klinik im Informations- und Beratungszentrum (IBZ) in Tuttlingen.

Durch stetige Veränderungen im Gesundheitsmarkt, der Einführung der DRGs sowie des Total Quality Managements gewinnt das Thema „Investition in chirurgische Techniken“ enorm an Brisanz – und etwaige Fehlentscheidungen lassen sich im Nachhinein nur schwer korrigieren.

Das Team der Aesculap Projektplanung, Fachleute mit Know-how und operationellem Sachverstand, unterstützt Krankenhäuser und Kliniken bei der Planung kleiner und großer Projekte und setzt sie routiniert, zeitnah und zuverlässig um. Weltweit.

Das Team kooperiert mit Architekten, Technikern, Ärzten, Pflegepersonal und Verwaltung, analysiert Abläufe, ermittelt Bedarfe und schafft die Voraussetzung für optimierte Prozesse. Das Ergebnis ist eine fundierte Projektierung, die von A bis Z funktionierte. Ob Neubau einer Klinik oder Aufbau einer neuen Disziplin.

### ■ Hospitationen

Vor einer geplanten Investition steht man immer einer Vielzahl von Fragen und Entscheidungen gegenüber, deren konkrete Beurteilung oftmals erst später möglich ist. Wir haben es uns darum zur obersten Devise gemacht, Ihnen ein Höchstmaß an Entscheidungssicherheit mit auf den Weg zu geben. Aus diesem Grund bieten wir unseren Gesprächspartnern die Möglichkeit, sich neben unserer umfassenden Beratung in Tuttlingen auch in Form einer Hospitation ein genaues Bild unserer Leistungen zu machen und sich mit Kollegen in anderen Kliniken fachspezifisch über alle Funktionsbereiche hinweg auszutauschen. So viel Sicherheit muss sein.



## Planung & Beratung – ein Beispiel aus der Praxis

„Bei komplexen Projekten braucht man einen vorausschauenden Partner, der bei Detailfragen das Gesamtkonzept im Auge behält ...“

■ Dipl.-Betriebswirt Dr. Dr. Dirk Knüppel

Anlass der Zusammenarbeit mit Aesculap war der Fachrichtungswechsel zwischen der Klinik Rotes Kreuz und der Klinik Maingau, beides Beleghäuser mit je ca. 30 Operateuren im Raum Frankfurt. Laut Beschluss der Aufsichtsbehörde sollten zum 01. Juli 2003 die Maingauer Orthopäden in die Rotkreuz-Klinik und die Gynäkologen sowie Urologen in die Klinik Maingau wechseln. Ziel war eine Straffung der Disziplinen je Standort – eine Forderung der Kostenträger, die beinhaltet, dass die gleichen Fachbereiche nicht mehr in beiden Kliniken vorgehalten werden dürfen. Zeitgleich mit dem Umzug stand die Eröffnung des neuen OP- und Funktionstraktes mit angegliederter ZSVA in der Rotkreuz-Klinik an.

Ein komplexes Projekt also, das die externe Unterstützung eines erfahrenen Beraters erforderlich machte. Für die Umsetzung wünschten wir uns einen vorausschauenden Partner, der auch bei Detailfragen das Gesamtkonzept im Auge behält. So kam es zu Beginn des Jahres 2002 zu ersten Gesprächen mit einem Aesculap Mitarbeiter bezüglich des anstehenden Projekts. Gemeinsam wurde zunächst das Dienstleistungsangebot von Aesculap geprüft und dann die weiteren Schritte beschlossen. Für Transparenz und Sicherheit sorgte von Beginn an ein detaillierter Liefer- und Dienstleistungsvertrag, der alle Bestandteile der Service-Leistungen von der Neulieferung der Instrumente, über die Sanierung und den Werterhalt bis hin zur Installierung von instacount®PLUS im Rahmen eines „Worst-Case-Szenarios“ enthielt. Darüber hinaus war die Bedarfs- und Kostenschätzung durch Aesculap eine wertvolle Grundlage für die Budgetplanung der Kliniken.

Beratungsbasis war eine Bestandsanalyse beider Kliniken, deren Ergebnis im Kreise der Pflegedienst- und OP-Leitungen sowie der Hygiene und der Geschäftsleitung beider Kliniken präsentiert wurde. Vor diesem

Hintergrund unterteilte Aesculap die Instrumente in beiden Häusern zunächst in drei Kategorien: veraltet (hoher Anteil an Korrosionen), reparaturbedürftig, und ohne Einschränkung wieder verwendbar. Die Reparatur und Aufbereitung älterer Instrumente wurde in Etappen organisiert, um Beeinträchtigungen im laufenden Betrieb weitestgehend zu vermeiden. Im Anschluss erfolgte die Errechnung des voraussichtlichen Zusatzbedarfes an Instrumenten und Geräten in Abstimmung zwischen Aesculap und den OP-Leitungen. Dieser Mehrbedarf resultierte einerseits aus dem Fachrichtungswechsel, um bei parallel laufenden OPs einer Disziplin genügend Instrumentarium zur Verfügung zu haben und andererseits aus dem Anspruch, innerhalb der neuen, qualitativ verbesserten ZSVA einen reibungslosen und sicheren Ablauf zu gewährleisten. Im nächsten Schritt wurden direkt am Aesculap Standort in Tuttlingen die benötigten Instrumente ausgesucht und eine neue Sieb- und Containerstruktur entwickelt, die den Bedarf beider Häuser berücksichtigt und im gleichen Zuge die teure Vorhaltung nicht benötigter Instrumente ausschließt.

„Das A und O ist eine wirtschaftliche Zusammensetzung – so viel wie nötig, so wenig wie möglich.“

Bereits in dieser Phase des Projekts wurden die positiven Effekte der Beratung durch Aesculap bei allen Beteiligten deutlich: Durch die frühzeitige Planung im Vorfeld konnten zeitliche und strukturelle Engpässe weitestgehend vermieden werden und das ohnehin verstärkt beanspruchte Personal wurde durch den Aesculap Beratungsservice während der gesamten Umstrukturierungsphase optimal entlastet. Durch die Sieb- und Containeroptimierung

Dipl.-Betw. Dr. Dr. Dirk Knüppel, Direktionsassistent der Frankfurter Rotkreuz-Krankenhäuser e. V. und Projekt-Verantwortlicher, über den Aesculap Planungs- und Beratungsservice im Rahmen des Großprojekts „Fachrichtungswechsel und OP-Neubau am RKH Frankfurt“

wurden zudem überflüssige Vorhaltekosten vermieden und die Abläufe gewannen in hohem Maße an Wirtschaftlichkeit.

Beide Kliniken haben durch den Fachrichtungswechsel ein schärferes Profil mit eindeutigen Schwerpunkten erhalten, was zu höheren Fallzahlen und einer besseren Spezialisierung führte. Die gemeinsam mit Aesculap realisierte Prozessoptimierung und Standardisierung hat hier mittelfristig zu merklichen Kosteneinsparungen geführt und spiegelt unseren Gesamtanspruch wieder, bei kalkulierbaren Kosten eine bestmögliche Behandlungsqualität anzubieten. Die Umstrukturierung in Verbindung mit dem Planungs- und Beratungsservice von Aesculap hat zudem die Anpassung an DRG-Bedingungen bei gleichzeitiger Qualitätssteigerung unterstützt.

Da alle Entscheidungen in enger Abstimmung zwischen Aesculap und den Verantwortlichen in den Kliniken getroffen wurden, gab es trotz der Komplexität des Projekts keine Informationsdefizite oder zeitlichen Verzögerungen. Umzug und Eröffnung des OP-Traktes fanden pünktlich am 1. Juli 2003 statt, wobei hervorgehoben werden sollte, dass der Aesculap Mitarbeiter hier nicht nur als Berater, sondern auch tatkräftig im wahrsten Sinne des Wortes zur Verfügung stand.





Think Economy. Think Aesculap.



Effizient arbeitet nur derjenige, der den Überblick über sein Instrumentarium behält. Einsparungen sind nur dann sinnvoll realisierbar, wenn man seinen Bestand kennt und ihn konsequent organisiert. Aber wer soll sich im Tagesgeschäft darum kümmern?

Mit der Bestandsanalyse übernimmt Aesculap als spezialisierter Dienstleister die quantitative Erfassung und qualitative Analyse des kompletten Instrumentariums – über alle Disziplinen und Produktlieferanten hinweg. Das Ergebnis ist eine objektive, detaillierte und aktuelle Dokumentation der Bestände inklusive des Wartungs-, Reparatur- und Beschaffungsbedarfs sowie der damit verbundenen Kosten.

Mit der folgenden Sieboptimierung wird der Bestand vor Ort exakt an die spezifischen Anforderungen von Indikationen und OP-Techniken angepasst. Diesem Schritt geht in der Regel ein Besuch aller Funktionsbereiche im Informations- und Beratungszentrum (IBZ) in Tuttlingen voraus. Es werden Arbeitsabläufe besprochen, neue Siebstrukturen gemeinsam konzipiert und bei Bedarf neue OP-Techniken erläutert.

Alles in allem trägt dieses Konzept zu größtmöglicher Transparenz bei, verschlankt Abläufe, eröffnet Einsparpotenziale, gibt Investitionssicherheit und ist ein wesentlicher Baustein des Qualitätsmanagements, das Ziel der Prozessoptimierung immer im Blick.





## Bestandsanalyse & Sieboptimierung – ein Beispiel aus der Praxis

Chefarzt Prof. Dr. med. Hans-Rudolf Tinneberg, Direktor des Zentrums für Gynäkologie und Geburtshilfe der Justus-Liebig-Universität Gießen und

Otto Armstroff, Abteilungsleiter Technischer Einkauf, über Ablauf und Ergebnis des Aesculap Projekts „Bestandsanalyse und Sieboptimierung in der Frauenklinik der Universität Gießen“.

### Prof. Tinneberg

„Durch die Prozessoptimierung haben unsere Mitarbeiter mehr Zeit für das Wesentliche – den Patienten und die Qualität der Behandlung ...“

Erstklassige operative Ergebnisse hängen nicht nur vom Können des Operateurs ab, sondern auch von der Qualität der verwendeten Instrumente und der Zusammenstellung der Siebe. Wir verfügen heute über eine optimal abgestimmte Siebstruktur, die in jeder Hinsicht das operative Spektrum berücksichtigt und gerade unter DRG-Bedingungen in erheblichem Maße zu mehr Wirtschaftlichkeit, einer Straffung der Ablauforganisation und nicht zuletzt zu einer hohen Ergebnisqualität beiträgt.

Die Prozessoptimierung innerhalb der Universitäts-Frauenklinik ist u.a. das Resultat einer Bestandsanalyse und Sieboptimierung, mit der wir Aesculap im Herbst 2002, nach meiner Übernahme des Direktorats der Frauenklinik, beauftragten. Mit dem Stellenwechsel kam es zu einer Verlagerung der Schwerpunkte und somit zu einer intensiveren Hinwendung zur operativen Gynäkologie. Der tägliche Umgang mit den eigenen Instrumenten war geprägt von Unzufriedenheit, so dass gemeinsam mit der Verwaltung beschlossen wurde, hier grundlegende Veränderungen vorzunehmen. Aesculap war bereits an den ersten Gesprächen beteiligt und überzeugte alle

Beteiligten mit dem Konzept einer Bestandsanalyse mit anschließender Sieboptimierung. Die Bestandsanalyse wurde von zwei speziell ausgebildeten Aesculap Mitarbeitern durchgeführt und umfasste das gesamte operative Instrumentarium. Es wurde eine detaillierte Liste aller vorhandenen Instrumente erstellt, die sowohl quantitativ für Transparenz über die Produktbestände sorgte als auch qualitativ den Zustand der Instrumente bezüglich der Abnutzung und des Wartungs- bzw. Reparaturbedarfs dokumentierte. Im Anschluss folgte auf Basis dieses Gutachtens die Analyse des Gesamtwertes sowie der Aufarbeitungs- und Ersatzbeschaffungskosten.

Nachdem nur ein geringer Prozentsatz der vorhandenen Instrumente durch Reparatur weiterhin verwendbar war, wurde mit Aesculap eine komplette Neuzusammenstellung der Siebe vereinbart.

Ausgesprochen konstruktiv verlief der Besuch der Operateure bei Aesculap in

Tuttlingen. Hier konnten wir punktgenau auf unseren Bedarf abgestimmte Instrumente auswählen und zudem sogar nach unseren Wünschen speziell angefertigtes Instrumentarium bestellen. Die Siebstruktur wurde komplett überarbeitet und dem OP-Spektrum der Frauenklinik angepasst. Unübersichtliche Siebe wurden in Abstimmung mit den OP-Leitungen aufgeteilt, und Instrumente, die aufgrund veränderter OP-Techniken nicht mehr benötigt wurden, konnten aussortiert werden. Dies führt insgesamt zu einer Qualitätssteigerung, deren Niveau aufgrund eines mit Aesculap abgeschlossenen Wartungsvertrages auch mittel- und langfristig gewährleistet ist. So haben wir die Sicherheit, dass uns für anspruchsvolle Operationen jederzeit ein hochwertiges und präzises Instrumentarium zur Verfügung steht.

Die Mitarbeiter im OP profitieren von der Sieboptimierung in hohem Maße, da durch die erhöhte Übersichtlichkeit die Fehlerquote der ZSVA deutlich verringert werden konnte und durch die Verschlankeung der Abläufe mehr Zeit bleibt für das Wesentliche: den Patienten und die Qualität der Behandlung. Darüber hinaus ist auch die Verringerung der körperlichen Belastung durch Einhaltung der Sieb- und Beladegewichte nicht zu unterschätzen. Eine erhöhte Mitarbeitermotivation wurde zusätzlich durch die Schulungen erreicht, die Aesculap hier vor Ort während des Projekts durchgeführt hat. Ziel war es, die Mitarbeiter in Umgang und Pflege der Instrumente zu schulen aber auch die Bezeichnungen der Instrumente nach Autoren (Langenbeck-Haken, Metzzenbaumschere etc.) für alle verständlich zu machen und dies in den täglichen

„Wir haben die Sicherheit, dass uns für anspruchsvolle Operationen jederzeit ein hochwertiges und präzises Instrumentarium zur Verfügung steht ...“

Arbeitsprozess einfließen zu lassen. Darüber hinaus wurde eine Schulung für alle Ärzte veranstaltet, bei der Aesculap die Zusammensetzung der neuen Siebstruktur (Set-System mit zum Teil abteilungsübergreifenden Grund- und Zusatzsieben) nochmals umfassend erläuterte.

Als äußerst positiv in der Zusammenarbeit mit Aesculap ist schließlich herauszustellen, dass die Beratung zu jeder Zeit sachorientiert und nicht profitgesteuert war und ist.



Der von den Aesculap Beratern erarbeitete ausführliche Bericht der Bestandsanalyse wird auf Wunsch den verschiedenen Zuständigkeitsbereichen in der Klinik präsentiert. Gemeinsam werden die Möglichkeiten zum weiteren Vorgehen erörtert.

### Otto Armstroff

Aus der Sicht des Einkaufsleiters spielen Qualitätsaspekte ebenso eine Rolle wie wirtschaftliche Überlegungen. Das hat aber mit kurzfristigen Kosteneinsparungen nicht viel zu tun. Bezogen auf eine umfassende Bestandsanalyse und Sieboptimierung bedeutet das, vorausschauend zu planen und vor allem Komplexitäten weitestgehend zu reduzieren.

Berücksichtigt wurde bei diesem Projekt beispielsweise auch die Umstellung von einer dezentralen zu einer zentralen Sterilversorgungsabteilung innerhalb des Klinikums; hier konnten Aufbereitungskapazitäten nachhaltig gesteigert und Kosten gesenkt werden. Zudem wurde eine Verbesserung der ZSVA-Durchlaufzeiten erreicht, da sich durch die Homogenisierung der Siebinhalte und die wirtschaftliche Struktur der Siebe auch die Packzeiten verkürzten. Durch die

konsequente Auslagerung der Aufbereitung konnten diese Tätigkeiten zudem auf den Bereich der ZSVA konzentriert werden und das Personal innerhalb der Abteilung wird zu Gunsten der ihm eigentlich zugeordneten Aufgaben entlastet.

„ Unser Ziel:  
Transparenz im Sinne der  
Qualitätssicherung und Nutzung  
von Einsparpotentialen ... ”

Wirtschaftlich und im Sinne eines professionellen Qualitätsmanagements vorteilhaft ist der Umstand, dass alle unter heutigen Gesichtspunkten als bedenklich geltenden Artikel (verchromt, korrodiert) aus dem Bestand entfernt und gleichzeitig sanierungsfähige Altbestände nach der Reparatur Kosten sparend wieder in die neue Siebstruktur integriert wurden.

Heute verfügen wir über ein einheitliches Sortiment, in dem sich jedes einzelne Instrument durch seine Artikelnummer exakt identifizieren und nachverfolgen lässt – die so geschaffene Transparenz ermöglicht gerade unter DRG-Bedingungen die benötigte Präzision bezüglich der Kosten- und Budgetplanung.

Durch die gute und abteilungsübergreifende Kommunikation zwischen den Projektbeteiligten und Aesculap sowie die professionelle Arbeitsweise des Aesculap Teams vor Ort war ein störungsfreier Verfahrensablauf jederzeit gewährleistet.

Aufgrund dieses positiven Ergebnisses hat der Vorstand des Universitätsklinikums Gießen beschlossen, auch innerhalb der anderen chirurgischen Disziplinen eine Sieboptimierung durch das Aesculap Team vornehmen zu lassen.

Die Vorteile einer Sieboptimierung sind, neben einem Wissenstransfer und einer Steigerung des OP-Qualitätsmanagements die Möglichkeit, innerhalb der ZSVA die Effizienz des Mitarbeiterinsatzes zu steigern und eine Reduzierung des Aufbereitungsaufwandes zu erreichen.

### Waschen/Desinfektion

Reduzierung ...

- ... des Verbrauchs von Reinigungs- und Desinfektionsmitteln
- ... der Maschinenkapazitäten durch gezielte Aufbereitung
- ... der Wartungskosten durch reduzierten Einsatz

### Packen

Reduzierung ...

- ... der Packzeiten
- ... des Packmaterials

### Sterilisation

Reduzierung ...

- ... des Medienverbrauchs
- ... der Maschinenkapazitäten durch gezielte Aufbereitung
- ... der Wartungskosten

### Logistik

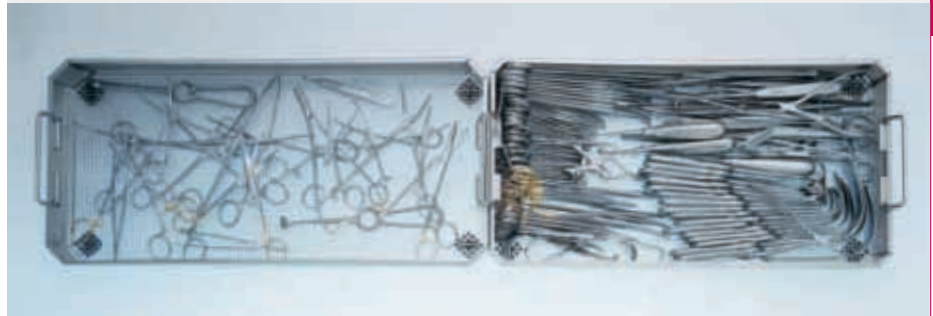
Verbesserung ...

- ... der Verfügbarkeit von Instrumenten
- ... der Wagenkapazität

### OP

Reduzierung ...

- ... der fallbezogenen Kosten
- ... der Komplexität des OP-Ablaufs
- Sicherung des OP-Qualitätsmanagements



Nur die im linken Sieb befindlichen Instrumente wurden während einer OP aus dem gesamten Grundsieb benutzt. Trotzdem muss das gesamte Grundsieb mit allen Instrumenten in der ZSVA gereinigt, desinfiziert, gepackt, gepflegt und sterilisiert werden. Auf diese Weise werden Tonnen von Instrumenten unnötig aufbereitet. Eine Sieboptimierung kann die damit verbundenen Kosten deutlich reduzieren.

## Kalkulationsbeispiel zur Kostenreduzierung durch eine Sieboptimierung

Beispiel vorher „ohne Sieboptimierung“

MIC-Set + Basis-Set  
ca. 120 Instrumente

2 Sterilguteinheiten

bei einem Mittelwert von  
15 Eingriffen pro Woche

1560 Sterilguteinheiten im Jahr

Beispiel nachher „mit Aesculap Sieboptimierung“

MIC-Set + einige zusätzliche Standard-Instrumente  
ca. 45 Instrumente

1 Sterilguteinheit

bei einem Mittelwert von  
15 Eingriffen pro Woche

780 Sterilguteinheiten im Jahr

Ergebnis „mit Aesculap Sieboptimierung“ u.a.:

- ca. 50% weniger Sterilisationskapazität
- ca. 50% Packzeitreduzierung
- ca. 20 - 40% weniger Materialeinsatz
- Steigerung der Mitarbeitermotivation

## Think Partnership. Think Aesculap.

Hochwertige Werkzeuge verdienen Wertschätzung im wahrsten Sinne des Wortes. Der Instrumentenbestand einer Klinik stellt schließlich einen nicht unerheblichen Teil des Anlagevermögens dar.

Die Aesculap Qualitätsreparatur basiert daher auf den strengen Qualitätsnormen der Instrumentenherstellung und garantiert, dass Wert und Funktion jedes Instruments so lange wie möglich erhalten bleiben – mit Sicherheit. Zu Ihrem Vorteil.

Neben den geleisteten Einzelreparaturaufträgen sind Werterhaltungsverträge – insbesondere bei der Neuausstattung des OP – empfehlenswert. Die Budgetsicherheit sowie das detaillierte Reporting, welches die Prozesstransparenz erhöht und eine direkte Kostenstellenzuordnung ermöglicht, sprechen für die Aesculap Qualitätsreparatur.

Ein flächendeckendes Außendienstnetz von Aesculap Mitarbeitern und Fachhändlern stellt den zuverlässigen Service vor Ort jederzeit sicher.



Die Spezialisten vom Aesculap Technischen Service (ATS) sind darauf bedacht, den Lebenszyklus aller Instrumente zu verlängern und achten so z. B. auf einen möglichst geringen Materialabtrag beim Schleifen von Scheren. Ob schärfen, polieren, justieren oder reinigen – beim ATS geschieht alles mit einer konstanten Präzision und Sorgfalt.





Während die Aesculap Qualitätsreparatur bereits bei einfachen Standard-Instrumenten eine sinnvolle Investition darstellt, so ist sie bei hochwertigen, diffizilen Instrumenten wie z.B. einer Mikrofeder-  
schere ein unbedingtes Muss. Jede unsachgemäße Reparatur kann aus einem wertvollen Instrument schnell ein ungeliebtes Abschreibungsobjekt machen – dem automatisch eine ungeplante Ersatzinvestition folgt.



Mit jeder durchgeführten Reparatur wird die Oberfläche der Instrumente übrigens komplett überarbeitet und mit dem ATS-Siegel sowie dem Reparaturdatum versehen. Denn auf jede Qualitätsreparatur gibt es ein Jahr Garantie.

Der Aesculap Technische Service ist für Sie da: Über unsere Hotline helfen erfahrene Spezialisten dem OP-Team schnell und zuverlässig aus der Klemme. Und reparaturbedürftige Instrumente werden durch unseren Service auf Wunsch in der Klinik abgeholt und nach erfolgter Qualitätsreparatur schnellstens retourniert.



## Think Service. Think Aesculap.

Heute wird von Krankenhäusern mehr denn je wirtschaftliches Denken, effizientes Kostenmanagement sowie Rechts- und Patientensicherheit verlangt. Künftig müssen auch für das chirurgische Instrumentarium alle Abläufe klar dokumentierbar und eindeutig nachvollziehbar sein.

Damit dies zuverlässig funktioniert, bietet Aesculap seinen Kunden das Instrumenten Management System instacount®. Durch die Inventarisierung des Instrumentenbestands wird es möglich, Siebe und Instrumente über ihre gesamte Lebensdauer hinweg zuverlässig und übersichtlich in ihrem Kreislauf zu verfolgen.

Darüber hinaus können neben dem Einkaufspreis gleichermaßen die Kosten für Reparaturen und Handling pro Sieb, pro OP und pro Patient dokumentiert und entsprechend zugeordnet werden.

Neben der Systemlösung instacount® PLUS ist zudem auch eine BASIC-Version verfügbar, die sich als Plug and Play-Software einfach bedienen lässt. instacount® BASIC ist der ideale Einstieg in das Thema „EDV gestützte Dokumentation des Instrumenten Kreislaufes“, und ist ohne Probleme auf die Systemlösung instacount® PLUS zu erweitern.



### instacount®

Mit der Entscheidung für instacount® PLUS oder instacount® BASIC geben Sie Ihrem Krankenhaus ein solides Fundament für die erfolgreiche Arbeit. Das systematische und effiziente Instrumenten Management macht die Instrumentenbestände transparent und erleichtert Planung und wirtschaftliche Koordination.

Sowohl in instacount® PLUS, wie auch in instacount® BASIC können Sie einfach und schnell Ihr gesamtes Instrumentarium nach den neuesten RKI Richtlinien klassifizieren und kommen so spielend Ihrer Dokumentationspflicht nach.



## Instrumenten Management System

- Erstmalige Dokumentation und Standardisierung eines oftmals unklaren Prozesses mit vielen Schnittstellen und internen Reibungsverlusten
- Unterstützung des Aufbereitungsprozesses durch Packassistenten wie Arbeitsanweisungen und Mediaunterstützung (Bild, Ton, Video) u.v.m.
- Inventur auf Knopfdruck (Instrumente, Implantate, Verbrauchsmaterialien)
- Unterstützung der Siebstandardisierung durch frei definierbare Stammdaten mit Schablonen-Technik
- Transparenz über die erbrachten Leistungen durch aussagekräftige Produktionsstatistiken auf Artikel- und Setebene
- Verwaltung und Überwachung von Wartungsintervallen für Siebe, Sets und Artikel
- Automatische Kontrolle der Sterilitätsdauer gelagerter Siebe und Sets
- Einfaches Reparatur- und Bestellmanagement
- Automatische Kostenermittlung bei der Aufbereitung
- Ermittlung der Instrumentenauslastung
- Einzelne Sterilgut- oder Fallwagenzuordnung zum Patienten
- Zahlreiche Auswertungsfunktionen aus Patienten- und Sterilgut Sicht

## PrimeLine Container

- neu konzipiertes permanentes Keimrückhaltesystem integriert in einen hochgradig thermostabilen Kunststoffdeckel
- Wirtschaftlichkeit durch einmalige Beschaffungskosten, niedrige Verbrauchskosten und „lifetime“ Funktion (5000 Zyklen validiert nach DIN EN 868, Teil 8, Anhang G)
- dem Erhalt der Sterilität während Lagerung, Transport und Sterilbereitstellung wird in vollem Umfang Rechnung getragen
- systematische Organisation des Sterilgutkreislaufes im Krankenhaus



Mit PrimeLine unterstreicht B. Braun Aesculap seine weltweit führende Position als Hersteller chirurgischer Instrumente und Sterilcontainer Systeme für die sichere und wirtschaftliche Sterilgutversorgung im Krankenhaus.

## Think Competence. Think Aesculap.

Als kompetenter Partner in der medizinischen Fort- und Weiterbildung verknüpft die Aesculap Akademie durch intelligente Netzwerke Medical Professionals in der ganzen Welt. Unter dem Dach von B. Braun bietet sie ein durch Landesärztekammern oder medizinische Institutionen qualitätsgeprüftes Programm für Mediziner, Mitarbeiter in den Funktionsbereichen, Stationen und Praxen sowie Krankenhaus Management an.

Das Aesculaprium in Tuttlingen ist Stammsitz der weltweiten Aesculap Akademie Aktivitäten. Differenzierte Schulungskonzepte werden entwickelt, die Theorie und Praxis verbinden, aufeinander aufbauen – gemäß den Richtlinien der „Continuing Medical Education“. Das vielseitige Programm umfasst indikationsbezogene Seminare, Workshops und Schulungen ebenso wie Management-Seminare.

Die Mediathek ergänzt das Fortbildungsangebot durch mehr als 270 qualitätsgeprüfte Filme der Deutschen Gesellschaft für Chirurgie. Sie dokumentieren und kommentieren OP-Techniken und chirurgische Themen nahezu jeder Disziplin.

Exzellenz in der medizinischen Fortbildung.  
Aesculap Akademie.



Innerhalb des Schulungskonzeptes ermöglicht der praxisorientierte Teil u.a. die Erprobung neuer Techniken sowie den Erfahrungsaustausch der Teilnehmer.







Fachkundefhrgange zum Sterilgutassistenten – ein Beispiel aus der Praxis

Paul-Jurgen Metten arbeitet seit 1982 in der Rheinischen Klinik fur Orthopadie in Viersen und leitet dort seit 1989 die OP- und ZSVA-Abteilung. Er absolvierte erfolgreich die Fachkundefhrgange Sterilgutversorgung I – III von November 2002 bis Dezember 2003 an der Aesculap Akademie in Tuttingen. In den Fachkundefhrgangen werden von erfahrenen Fachreferenten umfassende

Kenntnisse fur Mitarbeiter der ZSVA und der OP-Abteilung vermittelt. Die Lehrgangsinhalte reichen von der Instrumentenaufbereitung und -dokumentation uber alle Bereiche der Qualitatssicherung, der Kostenrechnung und der Personalentwicklung bis hin zur Vermittlung von rechtlichen Grundlagen, Betriebswirtschaftslehre und speziellen EDV-Voraussetzungen. Die drei Lehrgangsteile bauen aufeinander auf, fuhren aber zu selbststandigen Abschlussen. Alle Fachkundefhrgange basieren auf den Richtlinien der Deutschen Gesellschaft fur Sterilgutversorgung (DGSV).

## Auszug aus dem Angebot der Aesculap Akademie

### OP, ZSVA und Medizintechnik:

- Osteosynthesetechniken
- Endoprothetik
- Motorensysteme
- Qualitatsmanagement
- OP-Management
- Sterilcontainer/ZSVA
- ...

### Mediziner:

- Laparoskopische Abdominal-/Viszeralchirurgie
- Laparoskopische Hernienchirurgie
- Mikro-Chirurgie
- Naht-Technik-Seminar
- Laparoskopische Urologie
- Laparoskopische Gynakologie
- ...

### Einkauf und Verwaltung:

- DRGs
- Kompaktwissen Einkauf und Management
- Prozessoptimierung
- Qualitatssicherung
- Vertragsrecht
- Marketing und Vergabeordnung
- ...

„Ich habe mich fur die Ausbildung mit der Aesculap Akademie entschieden, um mich sowohl fachlich als auch personlich weiter zu qualifizieren. Naturlich hatte ich gemischte Gefuhle nach 22 Jahren im Beruf noch einmal die Schulbank ‘zu drucken’. Als jedoch die Betriebsleitung der Klinik die Kostenubernahme fur den Lehrgang zusagte und ich mich eingehend uber die Organisation und die Inhalte der Schulung informiert hatte, war ich von der Richtigkeit meiner Entscheidung uberzeugt. Unterbringung und Verpflegung waren ebenso hervorragend organisiert wie die Bereitstellung der umfassenden Arbeits- und Hilfsmittel. Bei Fragen standen die Mitarbeiter der Aesculap Akademie stets zur Verfugung. Alle Fragen wurden sofort und sachkundig beantwortet und eine konstruktive Diskussion war nicht nur wahrend der Workshops jederzeit moglich und erwunscht. Durch die standige padagogische und fachliche Betreuung haben alle Teilnehmer die Prufung bestanden – was nicht zuletzt naturlich auch den ausgewahlten Referenten, die uber eine hohe fachliche Kompetenz verfugten und die komplexen Lerninhalte verstandlich und praxisnah vermittelten, zu verdanken war.

„Man entwickelt einen Blick fur das Wesentliche und lernt, in umfassenden Zusammenhangen zu denken ...“

Im Nachhinein hat sich eindrucksvoll bestatigt, dass sich das neu erworbene Wissen mit hohem Nutzen und sprichwortlich Gewinn bringend im praktischen Berufsleben umsetzen lasst. Der Blick fur das Wesentliche wird gescharft und durch den umfassenden Unterrichtsstoff der aufeinander aufbauenden Lehrgange ist es moglich, die Zusammenhange im Krankenhaus besser zu erkennen und zu verstehen sowie Prozesse sinnvoll zu reorganisieren.

Fur mich personlich waren vor allem die Grundlagen des Qualitatsmanagements und der Zertifizierung von besonderer Bedeutung, wie auch die neuen Erkenntnisse zur Validierung von Grosterilisatoren und zur Werterhaltung von Instrumenten. Die Klinikleitung ist vom Ergebnis der Fachkundefhrgange ebenfalls so uberzeugt, dass in Zukunft alle Kolleginnen und Kollegen aus dem OP- und ZSVA-Bereich ihre Ausbildung an der Aesculap Akademie absolvieren werden.“

## 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 130 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 Quality. Think Aesculap.

To satisfy our own high demands as well as our users' expectations, Aesculap's quality requirements are extraordinarily high. For over 17,000 products covering practically all indications in the separate disciplines: no easy undertaking.

From the very beginning, we have set our own quality standard, severely narrowing the standard tolerances permitted by the DIN and ISO norms.

This can already be seen in the selection and inspection of the raw materials we use, and it continues throughout the entire production process.

Our manufacturing technique, a combination of high technology and precision manual work, integrated with our knowledge and expertise, enable us to produce instruments that are always true to pattern, extremely precise and of consistent high quality.

After all, at Aesculap we have known for more than 130 years that there is nothing more economical than high quality.



### ■ Quality Assurance

An essential element in our comprehensive quality management system is process integration, from the product idea through development and production to the inspected finished instrument. This includes modern manufacturing techniques and validated procedures, including systematic quality checks, to ensure that Aesculap quality remains constantly high.







■ We can only guarantee reproducible Aesculap quality over decades thanks to the technical skill, experience and care of Aesculap's surgical instrument makers. Expertise that is responsibly and conscientiously shared with others.



### Tungsten Carbide Instruments

For our instruments with tungsten carbide inserts we use only high quality nickel-bound tungsten carbide tips, well known for their high corrosion resistance and low wear.



### Hemostatic Forceps – Olive in the Jaw

The olive forms the transition from the working end or jaw to the "joint" of the instrument. This special design makes the jaw more elastic and the instrument less liable to break.



How do we ensure that every Aesculap instrument conforms exactly to the shape and dimensions of the master pattern? We inspect every single one!

## Think Innovation. Think Aesculap.

In constant dialogue with practitioners and clinical partners, Aesculap designs and creates instruments for all surgical disciplines – frequently setting the trend. A team of 200 people around the world is employed in research and development into new, economically viable solutions to provide the best patient care.

The essential focus is not on what is possible technologically, but on what makes sense medically. Sensible developments for us mean instruments that function in such a way that they decisively and positively influence the course of a surgical operation, whilst not losing sight of economic considerations. For example:



### BipoJet Bipolar Dissecting Scissors for Open Surgery

BipoJet makes it possible to dissect, cut and coagulate in one step. For the surgeon, using BipoJet means that he or she can work more quickly, safely and efficiently. Innovative manufacturing technologies, such as the solid ceramic insert in the scissor blade and the PEEK synthetic coating ensure long life and safe electrical operation. For the hospital, efficiency, safety and long life represent an important economic advantage.



### Münster Retraction System

The Münster Retraction System, now a byword for versatility, flexibility and stability in abdominal surgery, has been further developed to include a new open frame that can be quickly and easily adjusted into any position in three planes thanks to an innovative joint technology. This gives the user more freedom of action and further enhances the system's capacity to adapt to the individual operating situation.



### Micro Instruments For Cardiovascular Surgery

Manufactured through latest production technologies, from selected materials, for outstanding functionality. The jaw working surfaces of needle holders and forceps are finished with Aesculap DIADUST diamond dust coating. The result: a hard and hard-wearing working surface. DIADUST coating ensures a reliable grip on fine needles and soft tissue.

## Joint Development of BipoJet,



Aesculap cooperates closely with users in the development of new surgical instruments and the further development of existing products. This enables us to create high quality products that set new standards and satisfy the surgeons' wishes and requirements down to the last detail. Valuable synergies and outstanding projects flow from this collaboration between Aesculap specialists and experienced users, resulting time and again in trendsetting innovations in surgical instruments.

Aesculap development projects are conducted within a tightly designed project management system to ensure transparency and efficiency.



## a Practical Example



Prof. Dr. med. Gottfried Müller is the Medical Superintendent of the Surgery Clinic in the Bad Mergentheim Charity Hospital, and has played a decisive role in the development of Aesculap surgical instruments for over 20 years.

More than 20 years of successful and enjoyable cooperation with Aesculap on a large number of project ideas means for me friendly and confident listening, discussions based on a thorough knowledge of the subject, accurate project research and programming in categories such as "innovation, feasibility, market expectation, function, ergonomics, material, quality, production, research, testing, functionality, safety, reliability, clinical controls, practicability, cost effectiveness, system suitability and market acceptability". All these headings lie behind projects that were and are interesting for me.

But Aesculap also means for me personal association with interesting people who bring their experience and strength

into many different contacts: engineers, technicians, secretaries, business managers, doctors and developers, many creative men and women from all professions.

For me, knowing Aesculap means having an insight into a large and serious entity whose task is to provide products for medicine – things that are directly to do with us as surgeons. Against this background, Aesculap is a name that every surgeon knows. Behind the name I see people at desks and workbenches putting all their commitment into cooperative projects; projects that will help to define my future in medicine.

The latest example of this is the joint development of BipoJet.

Dr. med. Albert Linder is Chief Consultant in the Thoracic Surgery Department in the Hemer Lung Clinic, and is convinced of the value of input from daily practice into the development of products to benefit daily practice. For more than 10 years, Dr. Linder has been working closely with Aesculap as a clinical adviser.

"The development of the BipoJet scissor is an outstanding example of how users' ideas originating from their daily practice in the operating theatre can become a high tech product ready for the market in a very short time. With Aesculap, this is done in excellent cooperation between the surgeon and the development team, and always on site, either in the operating theatre or in the workshop."





Think Competence. Think Aesculap.



Project consultation in the Aesculap Information Center in Tuttlingen involving representatives from all hospital departments.

The question of investing into surgical techniques has been made much more difficult and controversial by the constant changes in the healthcare market and by the introduction of DRGs and total quality management – once made, wrong decisions are extremely hard to put right.

The Aesculap project planning team of specialists with know-how and operational expertise supports hospitals and clinics in planning large or small projects and implements them expertly, reliably, and on time. All over the world.

The team cooperates with architects, technicians, doctors, nurses and hospital managers in analysing procedures, establishing needs and creating the necessary conditions for process optimization. The result is sound and effective project management from A to Z. Whether the task is to equip a new hospital or to build up a new discipline.

### ■ Information Visits

When planning an investment, you are faced with many questions and decisions that can often only be properly assessed afterwards. This is why we have made it our guiding principle to give you the greatest possible certainty in your decision-making. We offer our discussion partners the opportunity to form an exact picture of what we can provide, not only through our comprehensive consultation service in Tuttlingen, but also in the form of information visits, where you can have the chance to talk with colleagues in other hospitals on topics relating to all areas of activity. Everything to provide you with a sound basis for a confident decision.





## Planning and Consulting – a Practical Example

"For complex projects you need a partner with vision, who keeps the overall concept in view when dealing with the details ..."

■ Dr. Dr. Dirk Knüppel

"The collaboration with Aesculap was brought about by the discipline swap between the Red Cross Clinic and the Clinic Maingau, both in-patient hospitals in the Frankfurt area with approximately thirty surgeons each. The supervisory authority had decided that the orthopaedic surgeons from Maingau should move to the Red Cross Clinic and that the gynaecologists and urologists from the Red Cross Clinic should move to Maingau by July 1st, 2003. The objective was to streamline the disciplines at each site, complying with the sponsors' demand that the same disciplines should no longer be available at both hospitals. This move was to coincide with the opening of a new operating theatre and functional wing in the Red Cross Clinic, incorporating a CSSD.

A complex project, that required external support from experienced consultants. To implement it, we were looking for a partner with vision, who would keep the overall concept in view when dealing with the details. And so, at beginning of 2002, we began discussions on the project with a consultant from Aesculap. We first looked together at the services Aesculap could offer before deciding what steps to take next. A detailed delivery and service contract – which in a worst-case scenario covered every element in the service package from the delivery of new instruments, refurbishment and value preservation to the installation of instacount®PLUS – ensured transparency and security right from the beginning. In addition, the assessment of requirements and cost estimate supplied by Aesculap provided a valuable basis for the hospitals' budget planning.

The consultation was based on an Inventory Analysis in both hospitals, the results of which were presented to the heads of nursing, surgery and hygiene and to the business directors. Aesculap began by

sorting the instruments from both hospitals into three categories: obsolete (high degree of corrosion), in need of repair, and still usable. Repair and refurbishment of the older instruments was organized in stages to avoid disrupting the everyday work of the departments affected more than was absolutely necessary. The next step was for Aesculap and the surgery managers to agree on the additional instruments and equipment required. On the one hand, this additional requirement was a result of the discipline swap, since enough instruments had to be available to carry out parallel operations in the same discipline. On the other hand, it arose from the need for the new, qualitatively enhanced CSSD to operate safely and smoothly. The instruments required were subsequently selected at the Aesculap headquarters in Tuttlingen and a new instrument set and container structure was developed, taking the needs of both clinics into account and excluding instruments that were no longer needed, thus saving the hospitals the expense of storing and maintaining them.

**"It is all about finding the right economic combination – as many instruments as necessary, as few as possible"**

At this stage of the project, the positive effects of Aesculap's consulting service were already becoming obvious to everybody concerned: early planning in the preparation stage helped to avoid timing and organizational bottlenecks to a great extent. During the entire restructuring phase the Aesculap consulting service offered the best possible support for staff already under additional pressure. Furthermore, the set and container optimization service saved unnecessary

Dr. Dr. Dirk Knüppel, MBA, Assistant to the Board of the Frankfurter Rotkreuz-Krankenhäuser e. V. and project director, talking about the Aesculap planning and consulting service in the context of the major project "discipline swap and new operating theatre at the RKH in Frankfurt"

costs for storing and maintaining redundant instruments and the procedures became much more economical.

Through the discipline swap, both hospitals gained a sharper profile with clear priorities, leading to higher case turnover and improved specialization. The optimization and standardization of processes we have achieved in collaboration with Aesculap has brought considerable cost savings in the medium term, and reflects our overall objective to offer the best possible quality of treatment at calculable costs. In addition to this, the restructuring, combined with the planning and consulting service provided by Aesculap, has helped us to adapt to DRG requirements while at the same time enhancing the quality of provision.

Since all decisions were taken in close consultation between Aesculap and the respective hospital managers, there were no information gaps and no delays. The discipline swap and the opening of the new operating theatre wing took place on time on July 1st, 2003, and here it should be emphasized that our partner from Aesculap did not just attend as a consultant, but took an active part in the proceedings in the truest sense of the word.



Think Economy. Think Aesculap.



You cannot work efficiently if you do not maintain the overview of your instrument stocks. It is only by knowing what instrumentation you have and by organising it logically and consistently that you can make real savings.

But who is going to take care of that in the day to day work in the hospital?

In its Inventory Analysis program, Aesculap, as a specialist service provider, makes a quantitative record and a qualitative analysis of the entire instrument stock – covering all disciplines and including all product suppliers. The result is an objective, detailed and up to date documentation of the hospital's stocks, including maintenance, repair and purchasing requirements together with the associated costs.

This is followed by Set Optimization, where the contents of the hospital's instrument sets are reorganized on site to comply exactly with the specific requirements of different indications and operating techniques. The working procedures in the hospital are discussed, a new concept for instrument sets is jointly worked out and new operating techniques can be explained if required.

All in all this concept contributes to maximum transparency, slims down procedures, opens up savings potential, provides security for investment planning and forms an essential component in quality management, with the goal of process optimization always in view.



## Inventory Analysis and Set Optimization – a Practical Example

Prof. Dr. med. Hans-Rudolf Tinneberg, Medical Superintendent and Director of the Center for Gynaecology and Obstetrics at the Justus Liebig University, Giessen (Germany), and

Otto Armstroff, Head of Technical Purchases, talking about the development and outcome of the Aesculap project "Inventory Analysis and Set Optimization at the gynaecological clinic of Giessen University".

### Prof. Tinneberg

"Optimising our processes has given our staff more time for the essentials – the patient and the quality of treatment ..."

Excellent surgical results depend not only on the skills of the surgeon, but also on the quality of the instruments used and on the composition of the instrument sets. Now we have a set structure that is optimally adapted to our requirements, that takes full account of the spectrum of operations we perform and that substantially contributes to greater economy, streamlined processes and, last but not least, better results.

The optimized processes within the university's gynaecological clinic are partly the result of an Inventory Analysis and Set Optimization service that we commissioned from Aesculap in the autumn of 2002, after I had taken over as director of the clinic. The change in directorship led to a shift of emphasis towards operative gynaecology. We were generally dissatisfied with our own instruments in our everyday work, and so, in agreement with the hospital management, we decided to embark on fundamental changes. Aesculap was already involved in the initial discussions and convinced all participants of the merits of the Inventory Analysis and subsequent Set Optimization concept. The Inventory

Analysis was carried out by two specially trained Aesculap technicians and covered the entire range of surgical instruments. A detailed list of all instruments was compiled, providing transparency in the quantity of instruments in the clinic and documenting their quality and condition with regard to wear and tear and the need for refurbishment or repair. On the basis of this report, the overall value of the instrument stock and the repair and replacement costs were analysed. As only a small percentage of the existing instruments could be repaired to make them suitable for further use, we agreed with Aesculap to put together a completely new collection of instrument sets.

The surgeons' visit to Aesculap in Tuttlingen was extremely constructive. There we could choose instruments that matched our requirements down to the last detail, and even order special instruments custom-made to our wishes. The instrument set structure was completely optimized and

adapted to the range of operations performed at the gynaecological clinic. In agreement with the operating theatre managers, large sets where individual instruments could not be easily identified were divided up and instruments that changes in operating techniques had made obsolete were set aside. This led to an overall increase in the quality of our instrumentation, which will be ensured in the medium and long term through the maintenance contract we have concluded with Aesculap. In this way, we can be certain of having high quality and precise instrumentation always available for demanding operations.

The theatre staff have greatly benefitted from the optimization, since the clearer set contents have significantly reduced the error rate in the CSSD and the streamlined processes leave more time for the essentials: the patient and the quality of treatment. The reduced physical strain for staff through strict controls on set and load weights should also not be underestimated. The training sessions conducted on site by Aesculap during the project provided an additional boost to staff motivation. The aim was to train the staff in the handling and care of the instruments, and also to help them understand the instrument names that refer to the original authors (Langenbeck hooks, Metzenbaum scissors etc.) and introduce these names into the daily routine. In addition to this, a training session was also provided for the surgeons, where Aesculap again gave a thorough explanation of how the new set structure was organized (set system with some interdepartmental basic and supplementary sets).

"...we can be certain of having high quality precise instrumentation always available for demanding operations..."

## Think Economy. Think Aesculap.

An extremely positive aspect of our collaboration with Aesculap should be emphasized: the consultation process was, and remains, at all times subject-related, objective and never profit-orientated.



If desired, the Aesculap consultants' detailed Inventory Analysis report can be presented to representatives from the various areas of responsibility within the hospital and the possibilities for further action explored in joint discussions.

### Otto Armstroff

From my perspective as head of purchasing, quality aspects are just as important as economic considerations. But this has very little to do with short term cost savings. In relation to a comprehensive Inventory Analysis and Set Optimization, this means planning a long way ahead and above all reducing complexities to the minimum.

For instance, we included in the project the changeover from a decentralized to a Central Sterile Supplies Department in the hospital, which allowed us to achieve lasting capacity gains in instrument reprocessing and to reduce costs. CSSD throughput times were also improved, since the homogenization of the set contents and the economical organization of the sets shortened the necessary packing times. Strict outsourcing of reprocessing meant

that all these activities were concentrated within the CSSD, releasing other staff for their intended tasks.

#### "Our goal:

to create transparency in the sense of quality assurance and to realize savings potential"

One important advantage of the process, both economically and in terms of professional quality management, is the fact that all instruments that nowadays have to be regarded as of dubious value (chromium-plated, corroded) were removed from our stocks, while old instruments that could be repaired or refurbished were subsequently re-integrated into the new set structure, leading to further cost savings. We now have a standardized

selection of instruments, each of which can be identified and traced by its article number. This level of transparency gives us the accuracy we need for our cost and budget planning, especially under DRG conditions.

The good interdepartmental communication between the project participants and Aesculap and the professional attitude of the Aesculap team during their work in the hospital ensured trouble-free progress at all times. Because of this positive outcome, the Giessen University Hospital Board has decided to commission Aesculap to carry out its Set Optimization service in the other surgical disciplines as well.



The advantages of Set Optimization, in addition to knowledge transfer and enhanced quality management in the operating theatre, are the possibility to enhance staff efficiency and to reduce reprocessing costs in the CSSD.

### Washing/Disinfecting

Reduction in ...

- ...the use of cleaning agents and disinfectants
- ...machine capacity requirements through restricting reprocessing to instruments actually needed
- ...maintenance costs through lower usage

### Packing

Reduction in ...

- ...packing times
- ...packing material

### Sterilization

Reduction in ...

- ...use of consumables
- ...machine capacity requirements through restricting reprocessing to instruments actually needed
- ...maintenance costs

### Logistics

Improvement in ...

- ...instrument availability
- ...trolley capacities

### Operating Theatre

Reduction in ...

- ...case-related costs
- ...complexity of theatre procedure

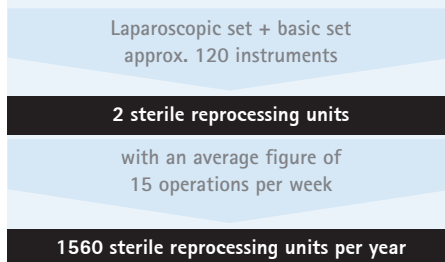


From the entire contents of the general instrumentation set, only the instruments in the tray on the left were actually used during an operation. In spite of this, the entire set of instruments had to be washed, disinfected, given general maintenance and sterilized in the CSSD. Tons of instruments are unnecessarily reprocessed in this way.

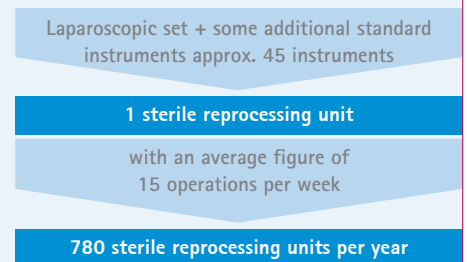
Set Optimization can substantially reduce the associated costs.

### Sample Calculation of Cost Reduction Following Set Optimization

Before Set Optimization:



After Set Optimization by Aesculap:



Just some of the results of Aesculap Set Optimization:

- approx. 50% less sterilization capacity required
- approx. 50% reduction in packing times
- approx. 20 – 40 % less use of materials
- improved staff motivation

## Think Partnership. Think Aesculap.

High quality instruments deserve to be valued in the truest sense of the word. After all, the instrument stock represents no small proportion of a hospital's total assets.

For this reason, the Aesculap quality repair is based on the same strict quality standards we apply to instrument production. This guarantees that the value and function of each instrument is maintained for as long as possible – safely and surely. To your advantage.

In addition to carrying out individual repair orders, we think that contracts to maintain the value of the instrument stock are to be recommended – especially when equipping a new operating theatre. Secure budgeting and detailed financial reporting, increasing process transparency within the hospital and allowing costs to be directly allocated to cost centres, speak for the Aesculap quality repair.

A blanket network of Aesculap sales representatives and distribution partners ensures reliable service on site at all times.



■ The aim of the Aesculap Technical Service (ATS) specialists is to lengthen the useful life of all instruments. They are careful, for instance, to remove as little material as possible when re-grinding scissors. Whether sharpening, polishing, adjusting or cleaning – in the ATS everything is always done with the same precision and care.



■ The Aesculap quality repair already represents a sensible investment for simple standard instruments. For high value, difficult instruments such as micro spring scissors it is an absolute must. Every incorrect or inadequate repair can quickly turn a valuable instrument into a useless write-off – automatically resulting in an unplanned investment in order to replace it.



After every repair, the surface of the instrument is completely refurbished and labelled with the ATS seal and the repair date.

The Aesculap Technical Service is there for you: experienced specialists help surgical teams out of their difficulties swiftly and reliably via our hotline. If desired, our collection and delivery service will pick up instruments for repair from the hospital and return them as quickly as possible after the quality repair has been carried out.



## Think Service. Think Aesculap.

Today more than ever before, hospitals are being required to think economically and manage their costs efficiently, as well as to ensure their own legal security and the safety of their patients. In future, all processes involving surgical instrumentation will also need to be clearly documented and fully accountable.

To make sure this functions reliably, Aesculap offers its customers the instacount® Instrument Management System. Making an inventory of the instrument stock allows the circulating sets and instruments to be traced clearly and reliably throughout their lifetime.

Moreover, as well as the instrument purchase price, the repair and handling costs per set, per operation and per patient can also be documented and allocated accordingly.

In addition to the instacount®PLUS system solution, a BASIC version is now available as an easy to use plug and play software option. instacount®BASIC offers the ideal entry into computer assisted documentation of the instrument cycle, and can be expanded into the instacount® PLUS system solution without any difficulty.



### instacount®

Deciding on instacount®PLUS or instacount®BASIC gives your hospital a solid foundation for successful working. Systematic and efficient Instrument Management creates transparency in your instrument stocks and makes planning and economic coordination easier.





## Instrument Management System

- makes it possible for the first time to document and standardize a process
- improves clarity, system management and optimization
- supports sterile reprocessing with package assistants such as working instructions and media support (picture, sound, video) etc.
- inventory at the touch of a button (instruments, implants, consumables)
- assists the standardization of sets through freely definable master data with template technology
- provides transparency in tasks performed through informative production statistics on the product and set level
- controls and monitors the servicing intervals for trays, sets and individual products
- control automatic the sterility dates for trays and sets in storage
- manages simpler repairs and ordering
- calculates automatically costs for reprocessing
- establishes instrument utilization
- allocates individual the sterile goods or case trolleys to patients
- runs numerous analysis functions by patient or sterile goods

## PrimeLine Containers

- newly designed permanent sterile protection system integrated into a high quality thermostable plastic lid
- economical: one-off purchasing costs, low consumable costs and "lifetime" function (5000 sterilization cycles validated in conformance with DIN EN 868, Part 8, Annex G)
- Maintenance of sterility fully assured during storage, transport and sterile preparation for use
- systematic organization of the sterile goods cycle in the hospital



With PrimeLine, B. Braun Aesculap underlines its position as world leader in the manufacture of surgical instruments and sterile container systems for the safe and economical supply of sterile goods in the hospital.

## Think Competence. Think Aesculap.

As a competent partner in medical training and education, the Aesculap Academy uses intelligent networks to link up medical professionals all over the world. The quality of the program that the Academy offers for medical professionals, workers in specialist departments, wards and surgeries as well as for hospital management staff, all under the roof of B. Braun, is inspected and approved by the German state chambers of physicians or other medical bodies.

The Aesculapium in Tuttlingen, Germany, forms the headquarters for the Aesculap Academy's international activities. Differentiated training concepts have been developed, combining theory and practice and building one upon the other – in accordance with the guidelines for "Continuing Medical Education". The varied program includes indication-related seminars, workshops and training courses as well as management seminars.

The Mediathek supplements the training program with more than 270 approved quality films from the German Surgery Association. These document and comment on operating techniques and surgery topics from practically every discipline.

Excellence in medical training.  
Aesculap Academy.



The practice-orientated component in the training concept allows participants to try out new techniques and exchange experience.





### Specialist training courses to become a Sterile Processing Technician – a practical example

Paul-Jürgen Metten has been working in the Rhine Clinic for Orthopaedics in Viersen since 1982, and has been in charge of the Surgery and CSSD Department there since 1989. Between November 2002 and December 2003 he successfully completed Specialist Training Courses I – III in Sterile Goods Supply at the Aesculap Academy in Tuttlingen. In these courses, CSSD

and surgery staff are given comprehensive knowledge by experienced tutors. The course contents range from instrument reprocessing and documentation, all aspects of quality assurance, cost accounting and personnel development to basic legal knowledge, business management and specific IT requirements. The three course modules build on each other, although each concludes with an independent qualification. All specialist training courses are based on the guidelines of the Deutsche Gesellschaft für Sterilgutversorgung (DGSV), the German Society for the Supply of Sterile Goods.

## A Selection from the Aesculap Academy's Training Programme

### Surgery, CSSD and Medical Technology:

- Osteosynthesis techniques
- Arthroplasty
- Motor systems
- Quality management
- Surgery management
- Sterile containers/CSSD
- ...

### Doctors:

- Laparoscopic abdominal and visceral surgery
- Laparoscopic hernia surgery
- Microsurgery
- Suture techniques seminar
- Laparoscopic urology
- Laparoscopic gynaecology
- ...

### Purchasing and Hospital Management:

- DRGs
- Compact Purchasing and Management course
- Process optimization
- Quality assurance
- Contract law
- Marketing and order placement
- ...

"I decided on training with the Aesculap Academy in order to extend my qualifications both professionally and personally. Of course, I had mixed feelings about "going back to school" after 22 years in a job. However, after the management of the Clinic had agreed to pay the cost of the course and I had informed myself in detail about the organization and the content of the training program, I was convinced that I had made the right decision. The organization of accommodation and catering was as excellent as the provision of comprehensive learning and support material. The Aesculap Academy staff were always on hand to answer any questions, which they did immediately and expertly. Constructive discussion was possible and indeed invited at all times, and not only during the workshops. Thanks to the constant support of the teaching and technical staff, all the participants passed the examination. Thanks are also due of course to the specially selected tutors, who possessed a high degree of competence in their subject and who managed to convey the complicated contents of the course in an understandable and practical way.

**"You develop a view for the essential, and learn to think in terms of connections...."**

Looking back, I am impressed by the way in which my newly acquired knowledge can be translated into my daily professional activities to great advantage to myself and to the hospital. You develop a sharper view for the essential, and the comprehensive teaching material in the courses enables you to recognize and understand the connections that exist within the hospital, as well as teaching you how to reorganize processes sensibly.

For me personally, learning the basics of quality management and certification was particularly important, as was the knowledge I acquired about the validation of large sterilizers and preserving the value of surgical instruments. The clinic management is also so convinced by the result of the training courses that in future all colleagues working in surgery and CSSD departments will attend training courses at the Aesculap Academy."

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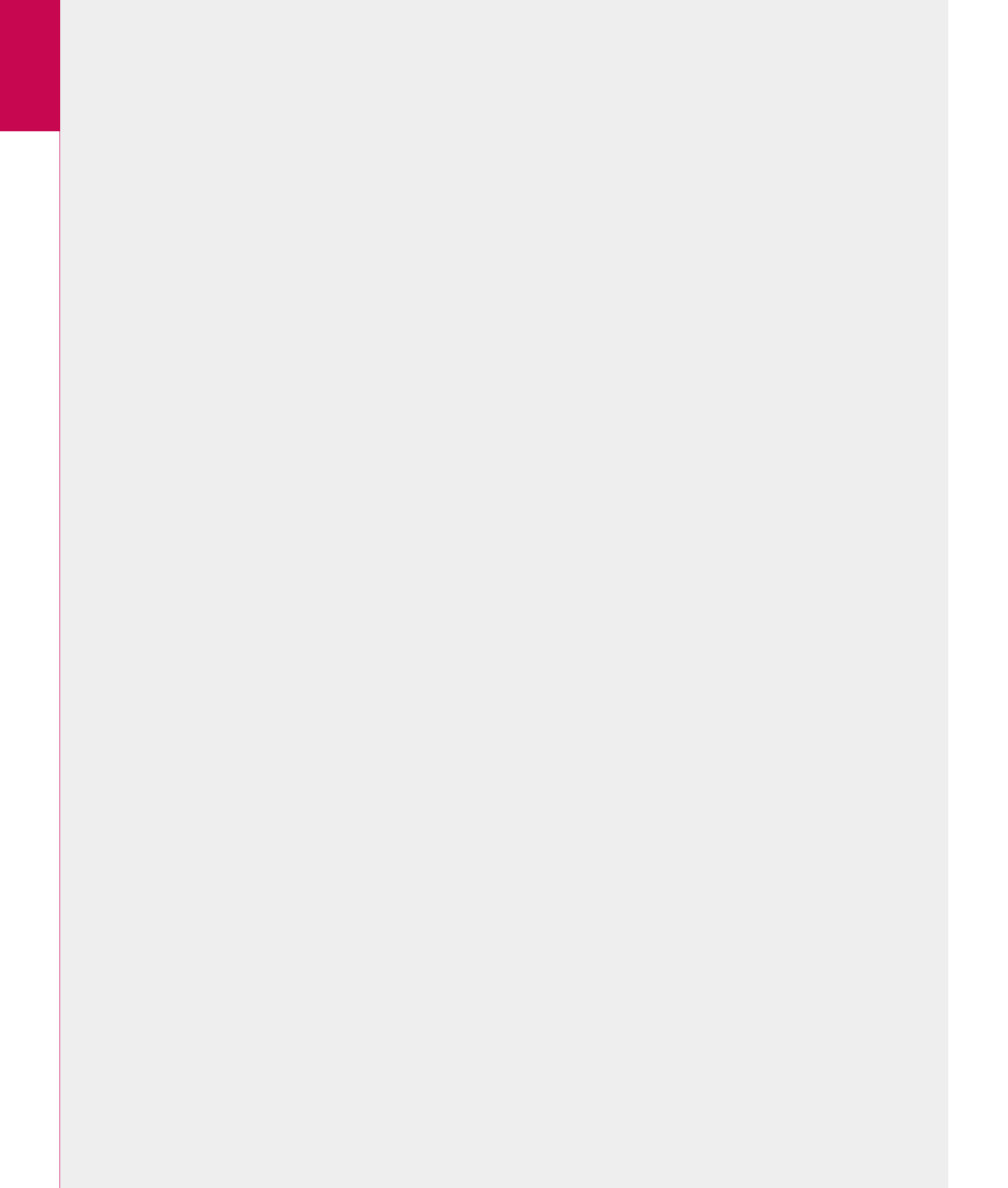


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AC/AD



Untersuchung-Diagnostik, Vorbereitung  
Examination-Diagnostic, Preparation

## Untersuchung – Diagnostik – Examination – Diagnostic

### Reflexspiegel und Stirnbänder

### Head Mirrors and Head Bands



ZIEGLER

**AC402**

Stirnspiegel allein, mit Gummifassung  
Head mirror only, with rubber coating



ZIEGLER

**OF090**

Stirnspiegel allein, mit Metallfassung  
Head mirror only, with metal coating



ZIEGLER

**AC413**

Stirnband aus Plastik, schwarz, allein  
Head band of plastic, black, only

**AC414**

Stirnband aus Plastik, weiß, allein  
Head band of plastic, white, only



MURPHY

**AC415**

Stirnband aus Celluloid, weiß, allein  
Head band of celluloid, white, only



**AC416**

Stirnband aus Plastik, weiß,  
allein, weiches Modell  
Head band of plastic, white,  
only, soft pattern



**AC421**

Stirnspiegel (AC402)  
mit schwarzem Plastikband (AC413)  
Head mirror (AC402)  
with black plastic head band (AC413)





# Untersuchung – Diagnostik – Examination – Diagnostic

## Stirnlampen Head Lights

AC



**AC440**

220 Volt  
Transformator  
220 volts  
Transformater



CLAR 55

**AC461**

Stirnlampe, 6 Volt, mit verstellbarem Gelenk, weißem Stirnband aus Celluloid mit Schaumgummipolsterung und Kabel mit Zwischenstecker zum Trafo AC440

Head light, 6 volt, with adjustable joint, white celluloid head band, with foam rubber pad and cord with plugs for transformer AC440

**AC462**

Reflektor, allein, für Stirnlampe AC461  
Mirror, only, for head light AC461

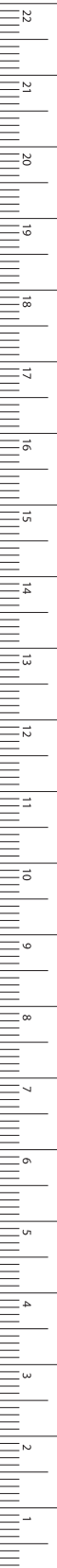
**AC464**

Ersatz-Schaumgummipolsterung für Stirnband AC454  
Spare foam rubber pad, for head band AC454



**AC463**

Ersatzbirnchen  
Spare bulb



MILLIMETERS

# Untersuchung – Diagnostik – Examination – Diagnostic

Zungenspatel

Tongue Depressors

AC



OM202R

145 mm, 5 3/4"



OM203R

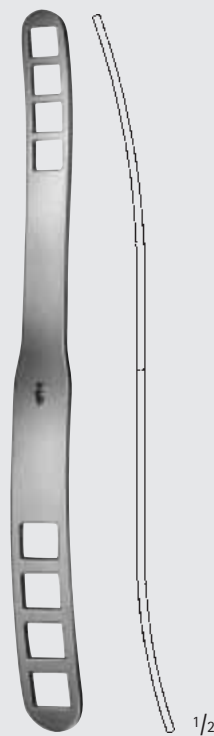
140 mm, 5 1/2"



BUCHWALD

OM205R

180 mm, 7"



BRUENINGS

OM208R

190 mm, 7 1/2"

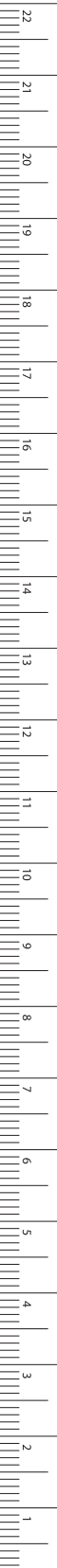




# Untersuchung - Diagnostik - Examination - Diagnostic

## Kehlkopfspiegel Laryngeal Mirrors

AC



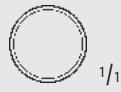
**OM078R/  
AC468R**

Fig. 000  
Ø 6 mm  
diam. 6 mm



**OM079R/  
AC469R**

Fig. 00  
Ø 8 mm  
diam. 8 mm



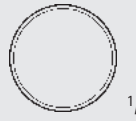
**OM080R/  
AC470R**

Fig. 0  
Ø 10 mm  
diam. 10 mm



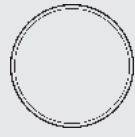
**OM081R/  
AC471R**

Fig. 1  
Ø 12 mm  
diam. 12 mm



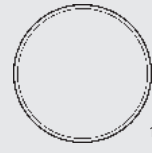
**OM082R/  
AC472R**

Fig. 2  
Ø 14 mm  
diam. 14 mm



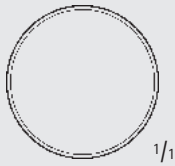
**OM083R/  
AC473R**

Fig. 3  
Ø 16 mm  
diam. 16 mm



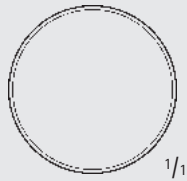
**OM084R/  
AC474R**

Fig. 4  
Ø 18 mm  
diam. 18 mm



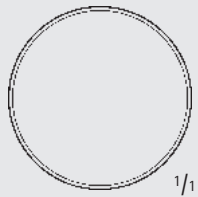
**OM085R/  
AC475R**

Fig. 5  
Ø 20 mm  
diam. 20 mm



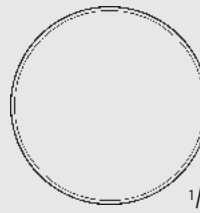
**OM086R/  
AC476R**

Fig. 6  
Ø 22 mm  
diam. 22 mm



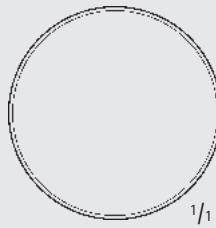
**OM087R/  
AC477R**

Fig. 7  
Ø 24 mm  
diam. 24 mm



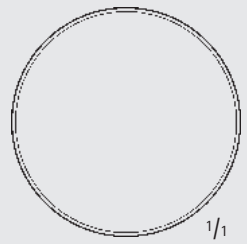
**OM088R/  
AC478R**

Fig. 8  
Ø 26 mm  
diam. 26 mm



**OM089R/  
AC479R**

Fig. 9  
Ø 28 mm  
diam. 28 mm



**OM090R/  
AC480R**

Fig. 10  
Ø 30 mm  
diam. 30 mm



**OM078R-  
OM090R**

Kehlkopfspiegel  
mit Sechskantgriff  
Laryngeal mirrors  
with hexagonal handle  
180 mm,  
7"



**AC468R-  
AC480R**

Kehlkopfspiegel  
Laryngeal  
mirrors  
120 mm,  
4 3/4"



**AC481R**

Spiegelgriff  
Mirror  
handle  
110 mm,  
4 3/8"



**AC483C**

Spiegelgriff  
Mirror  
handle  
105 mm,  
4 1/8"



**AC497R**  
Ø 12 mm  
diam.  
12 mm



**AC498R**  
Ø 14 mm  
diam.  
14 mm

MICHEL

**AC497R/  
AC498R**

Rhinoskopspiegel  
Rhinoscopic mirrors  
250 mm, 10"

MILLIMETERS

# Untersuchung – Diagnostik – Examination – Diagnostic

## Stimmgabeln

### Tuning Forks

AC



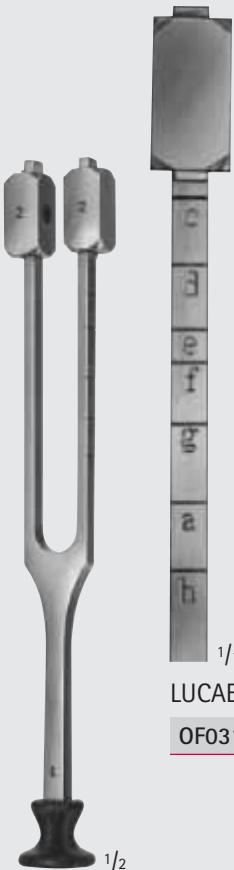
HARTMANN

- OF001N = c 128
- OF002N = c<sup>1</sup> 256
- OF003N = c<sup>2</sup> 512
- OF004N = c<sup>3</sup> 1024
- OF005N = c<sup>4</sup> 2048
- OF006N = c<sup>5</sup> 4096



OF010N = a<sup>1</sup> 440

Stimmgabeln für Neurologen  
Tuning forks for neurologists



LUCAE

OF031N = c 128



RYDEL-SEIFFER

OF033N

- mit Dämpfer = c 64
- ohne Dämpfer = c 128
- with clamps = c 64
- without clamps = c 128







## Untersuchung – Diagnostik – Examination – Diagnostic Instrumente zum Messen Instruments for Measuring



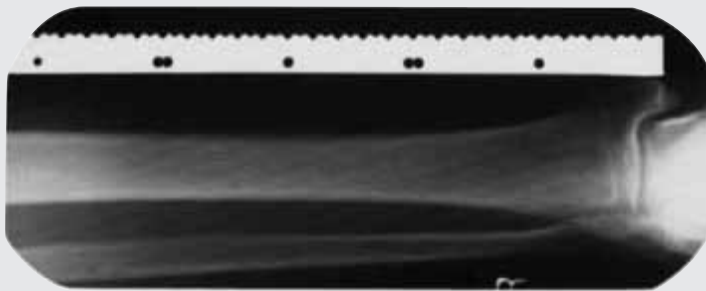
### AA804R-AA806R

Stahlmaßstab, nichtrostend,  
Millimeter- und Zolleinteilung  
Steel ruler, stainless, graduated  
in millimeters and inches

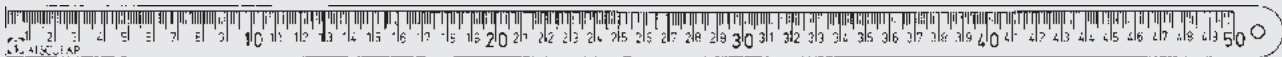
AA804R	AA805R	AA806R
150 mm	300 mm	500 mm
6"	12"	20"



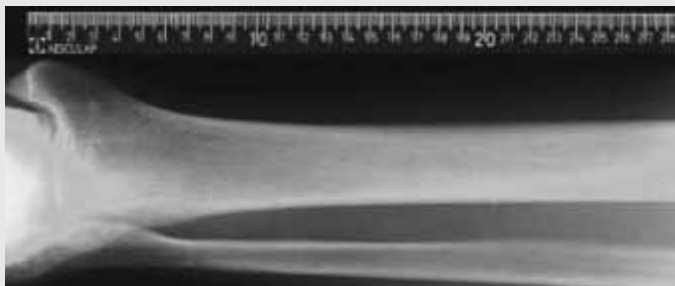
### AA808R



Röntgen-Messstab für Messungen bei Frakturbehandlung.  
Direkte Ablesemöglichkeit der Abmessungen.  
Einteilung in 1/2 cm durch gut sichtbare Kerben an  
der Kante, die vollen cm sind durch tiefe Kerben  
ersichtlich. Um das Ablesen zu erleichtern, sind  
die 5 cm und 10 cm Abstände durch Löcher markiert.  
Ruler for X-ray work in fracture treatment.  
Direct reading. Graduation from half to half cm by  
distinct notches at the rim. Full cms are accentuate  
by deeper notches. Markings of 5 cm and decimeter  
distance by one and two holes respectively.  
500 mm, 20"



### AA809



Röntgen-Messstab aus Kunststoff, flexibel  
im Autoklav sterilisierbar bei 143°C (3 bar).  
Dieser Röntgen-Messstab hat den Vorteil, dass die  
Zahlen und die Millimeteerteilung im Röntgenbild  
gut sichtbar sind.  
Plastic ruler, flexible, for X-ray work.  
Can be sterilized in an autoclave at 143°C (3 bar).  
Figures and mm-graduation transparent to X-ray.  
500 mm, 20"



### AA821C-AA822C

Stahlmaßband, Millimeter- und Zolleinteilung  
Steel tape measure, graduated in millimeters and inches

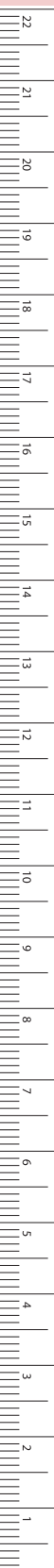
**Hinweis:**  
Nicht zur Dampfsterilisation geeignet  
**Note:**  
Not suitable for steam sterilization

AA821C	AA822C	AA826
1,5 m	2,0 m	1,5 m
60"	80"	60"

### AA826

Maßband aus Wachstuch, Millimeter- und Zolleinteilung  
Tape measure of oilcloth, graduated in millimeters and inches

AD



MILLIMETERS

## Untersuchung – Diagnostik – Examination – Diagnostic

Instrumente zum Messen

Instruments for Measuring

AD



AA845R

Spezial-Messschieber  
für die Neurochirurgie

Special caliper  
for neurosurgery

125 mm, 5"



AA846R

Messschieber,  
Messbereich bis 150 mm

Caliper,  
measuring range up to 150 mm  
230 mm, 9"



AA847R

Messschieber,  
Messbereich bis 100 mm

Caliper,  
measuring range up to 100 mm  
130 mm, 5 1/8"



AD110R

Finger-Goniometer  
Finger goniometer



AD123R

Ø 33 mm  
diam. 33 mm



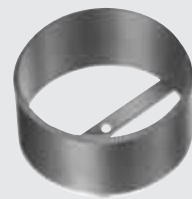
AD125R

Ø 38 mm  
diam. 38 mm



AD127R

Ø 42 mm  
diam. 42 mm



AD129R

Ø 48 mm  
diam. 48 mm

AD123R-AD129R

Mamillenmarkierer, gezahnt  
Mamilla marker, toothed





# Untersuchung – Diagnostik – Examination – Diagnostic

## Vorbereitung Preparation

AN



**BA244R**

Rasierklingenmesser für auswechselbare Klingen, mit Sicherheitskamm  
Razor for interchangeable blades, with safety clip



**BA245R**

Ersatzklingen  
Bestelleinheit: PAK = Packung a 10 Stück  
Spare blades  
Sales unit: PAK = Package of 10 pieces  
70 mm, 2 3/4"

**Elektra® II**



**GH201-GH204**

Die Wartung der AESCULAP Electra® II ist problemlos. Der dauergefettete Elektromotor mit ruhigem Lauf benötigt keine Pflege, nur die Schneideköpfe sind regelmäßig zu ölen. Die Maschine ist schutzisoliert.  
Elektrische Schermaschinen (ohne Schneideköpfe)  
Maintenance for the AESCULAP Electra® II is no problem at all. The permanently lubricated motor does not need any maintenance - only the cutterheads require periodic oiling. The clipper is double insulated.  
Electric hair clippers (without cutterheads)

**GH201**

110-125 Volt  
110-125 volts

**GH204**

220 Volt  
220 volt

**Zulassungen:**

Registrations:

CE gemäß Richtlinie 89/336/EWG und 73/23/EW  
conforming to directive 89/336/EEC and 73/23/EEC



**GH700-GT784**

Auswechselbare Schneideköpfe  
Interchangeable cutterheads

Schnitthöhe  
Height of clip

GH700	1/20 mm		
GH703	1/10 mm		
GT730	1/2 mm		
GH712	1 mm		
GT736	1 mm	weite Zahnung	wide tooth
GT746	1,5 mm		
GT710	1,8 mm	feine Zahnung	fine tooth
GH715	2 mm	kurze Zähne	short teeth
GT742	2 mm	lange Zähne	long teeth
GT754	3 mm	kurze Zähne	short teeth
GT748	3 mm	lange Zähne	long teeth
GT758	5 mm		
GT770	7 mm		
GT779	9 mm		
GT782	12 mm		
GT784	16 mm		

**Hinweis:**

Die Schneideköpfe passen auch auf den seither gelieferten Maschinentyp Elektra I.

**Note:**

Cutterhead system - to be used interchangeably for Elektra II as well as for Elektra I clipper.



**Untersuchung – Diagnostik – Examination – Diagnostic**  
Vorbereitung  
Preparation

weitere Waschzangen siehe Rubrik BF  
further dressing forceps see section BF

AN



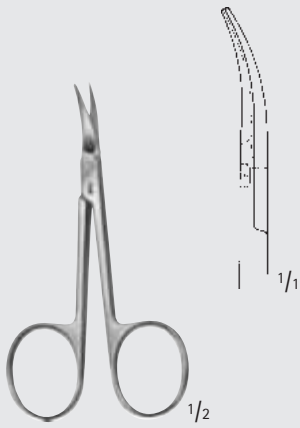
**GROSS**  
**BF046R-BF047R**

Waschzangen  
Dressing forceps  
200 mm, 8"



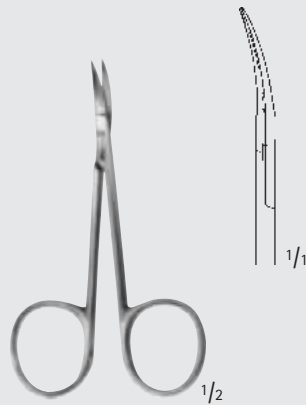
**AESCULAP**  
**BF060R-BF061R**

Waschzangen  
Dressing forceps  
220 mm, 8 3/4"



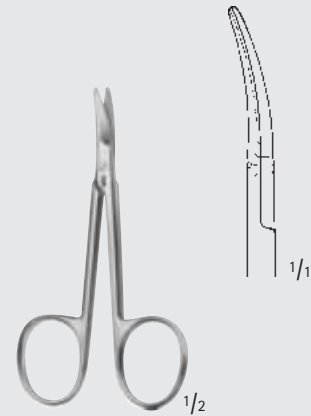
**HF400R**

Nagelschere  
 Nail scissors  
 90 mm, 3 1/2"



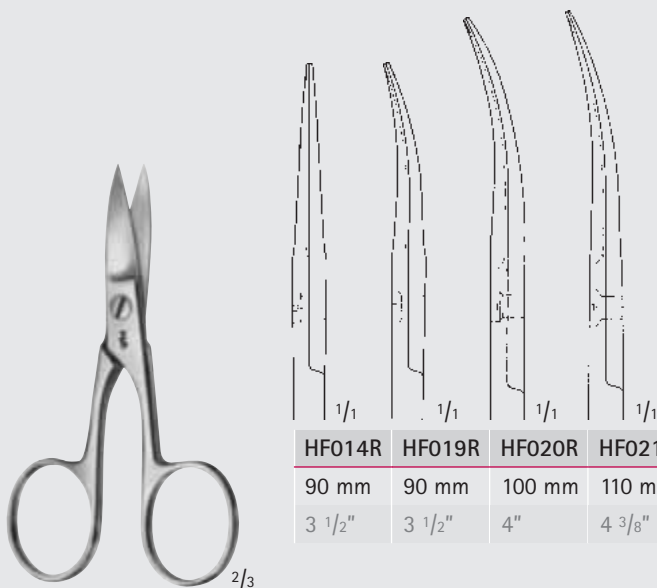
**HF409R**

Nagelschere  
 extra feines Modell  
 Nail scissors  
 especially delicate pattern  
 90 mm, 3 1/2"



**HF032R**

Baby-Nagelschere  
 Baby nail scissors  
 85 mm, 3 1/8"



HF014R	HF019R	HF020R	HF021R
90 mm	90 mm	100 mm	110 mm
3 1/2"	3 1/2"	4"	4 3/8"

**HF014R-HF021R**

Nagelscheren  
 Nail scissors



HF028R	HF030R	HF031R
95 mm	95 mm	105 mm
3 3/4"	3 3/4"	4 1/8"

**HF028R-HF031R**

Nagelscheren  
 Nail scissors



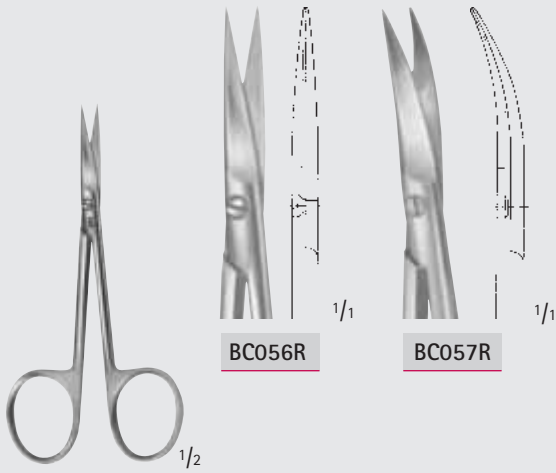


Untersuchung – Diagnostik – Examination – Diagnostic

Vorbereitung

Preparation

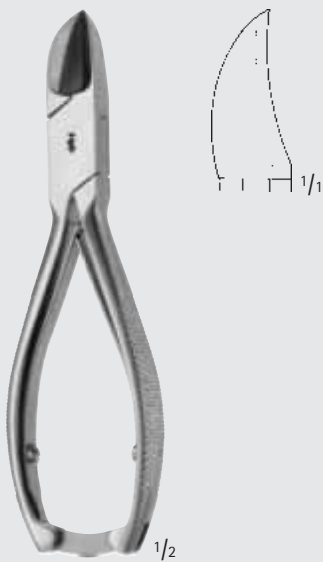
AN



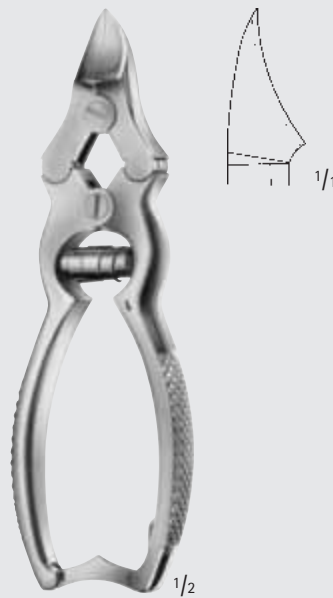
**BC056R-BC057R**  
90 mm, 3 3/4"



**HF213R**  
Nagelzange  
Nail cutter  
135 mm, 5 1/4"



**HF234R**  
Nagelzange  
Nail cutter  
145 mm, 5 3/4"



**HF250R**  
Nagelzange  
Nail cutter  
155 mm, 6"





1/2

**HF520R**

Nagelschere HF020R und Nagelfeile HF514R  
 mit 50 cm langer verchromter Kette HF519C  
 Nail scissors HF020R and nail file HF514R  
 with 50 cm (19 1/2"), chromium plated-chain HF519C



**HF514R**

Nagelfeile  
 Nail file  
 100 mm, 4"

1/1

1/1



**HF566R**

Nagelfeile  
 Nail file  
 150 mm, 6"

1/1



MILLIMETERS

## Untersuchung – Diagnostik – Examination – Diagnostic

### Narkoseinstrumente

#### Instruments for Anaesthesia

Zungenspatel siehe Rubrik AC  
Tongue depressors see section AC



OM010

Mundsperrer aus Holz  
Mouth gag wooden  
140 mm, 5 1/2"



SCHMID

OM015R

Mundsperrer stufenlos durch Gewinde zu verstellen, 1 Maulteil beweglich gelagert  
Mouth gag, infinitely adjustable by thread, with 1 moveable part



HEISTER

OM030R

Mundsperrer  
Mouth gag  
130 mm, 5 1/8"



FERGUSSON-ACKLAND

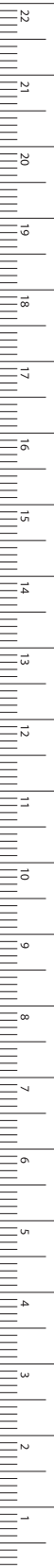
OM044R

Mundsperrer  
Mouth gag  
145 mm, 5 3/4"



Untersuchung - Diagnostik - Examination - Diagnostic  
Narkoseinstrumente  
Instruments for Anesthesia

AN



1/2

**OM047R**

Mundsperrer  
Mouth gag  
125 mm, 5"



1/2

**ROSER-KÖNIG**

**OM048R**

Mundsperrer  
Mouth gag  
160 mm, 6 1/4"



1/2

**ROSER-KÖNIG**

**OM049R**

Mundsperrer  
Mouth gag  
185 mm, 7 1/4"



1/2

**MAGILL**

**AN379R-AN381R**

Kathetereinführungszangen  
Catheter introducing forceps



**AN379R**

für Kleinkinder  
for infants  
150 mm  
6"



**AN380R**

für Kinder  
for children  
200 mm  
8"



1/1

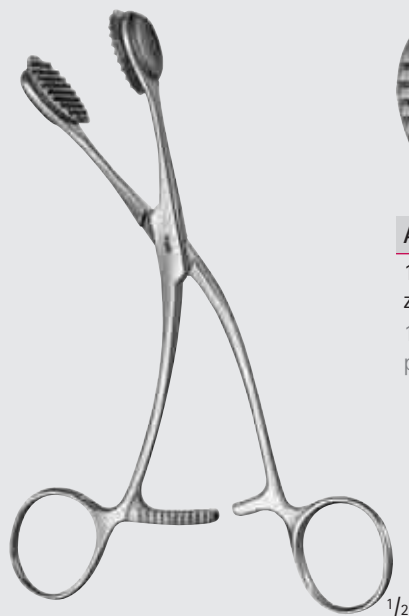
**AN381R**

für Erwachsene  
for adults  
250 mm  
10"

# Untersuchung – Diagnostik – Examination – Diagnostic

## Zungenzangen Tongue Forceps

AN



YOUNG

**AN705R**

165 mm, 6 1/2"



**AN706**

1 Paar Ersatzgummi  
zu AN705R

1 pair of rubber  
pads for AN705R



COLLIN

**AN709R-BH906R**



**AN709R**

170 mm

6 3/4"



**BH906R**

160 mm

6 1/4"



HEYWOOD-SMITH

**AN710R**

200 mm, 8"



1/1



HEYWOOD-SMITH MODIF.

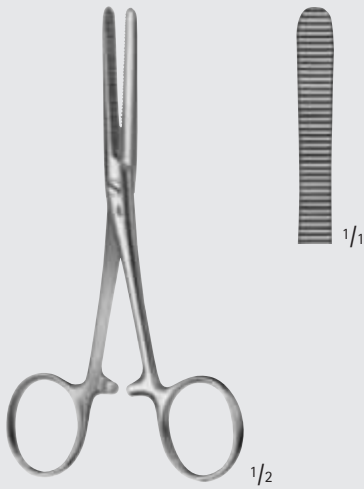
**AN711R**

215 mm, 8 1/2"



1/1





PEAN

**BH410R**

Schlauchklemme  
 Tubing clamp forceps  
 125 mm, 5"



KLINIKUM BERLIN

**AN908R**

Schlauchklemme  
 starkes Modell, lange Sperre,  
 daher Durchlauf dosierbar  
 Tubing clamp  
 heavy pattern, long ratchet,  
 therefore passage adjustable  
 145 mm, 5 3/4"



**AN909R**

Schlauchklemme  
 sehr starkes Modell  
 Tubing clamp forceps  
 especially heavy pattern  
 165 mm, 6 1/2"

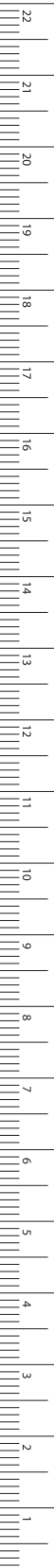
1/1  
 glattes Maul  
 smooth jaw



**AN910R**

Schlauchklemme  
 sehr starkes Modell  
 Tubing clamp forceps  
 especially heavy pattern  
 165 mm, 6 1/2"

1/1  
 gerieftes Maul  
 serrated jaw



# Untersuchung – Diagnostik – Examination – Diagnostic

Vorbereitung

Preparation

AN



**AN911R**

Schlauchklemme  
Tubing clamp  
180 mm, 7"



**AN912R**

Schlauchklemme  
Tubing clamp  
180 mm, 7"



**AN913R**

Schlauchklemme  
Tubing clamp  
200 mm, 8"



**MD452R-MD454R**

Schlauchklemmen  
Tubing clamps





SAUERBRUCH

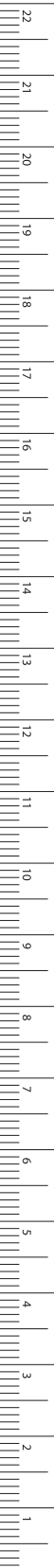
JG850R

Fasszange für verbrauchtes  
Verbandmaterial und Tupfer

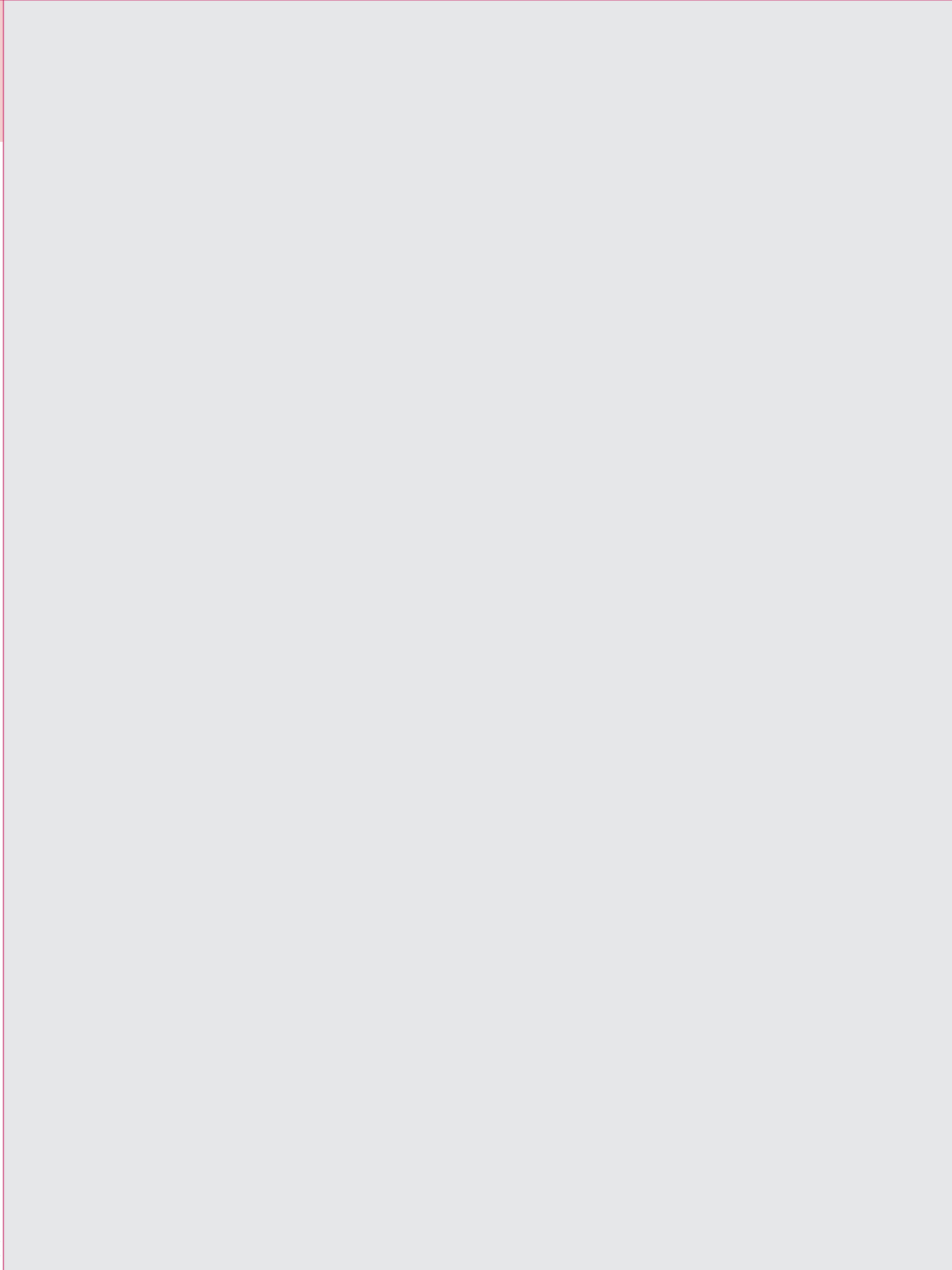
Operating Room

Pick-up forceps for used  
tampons and dressings

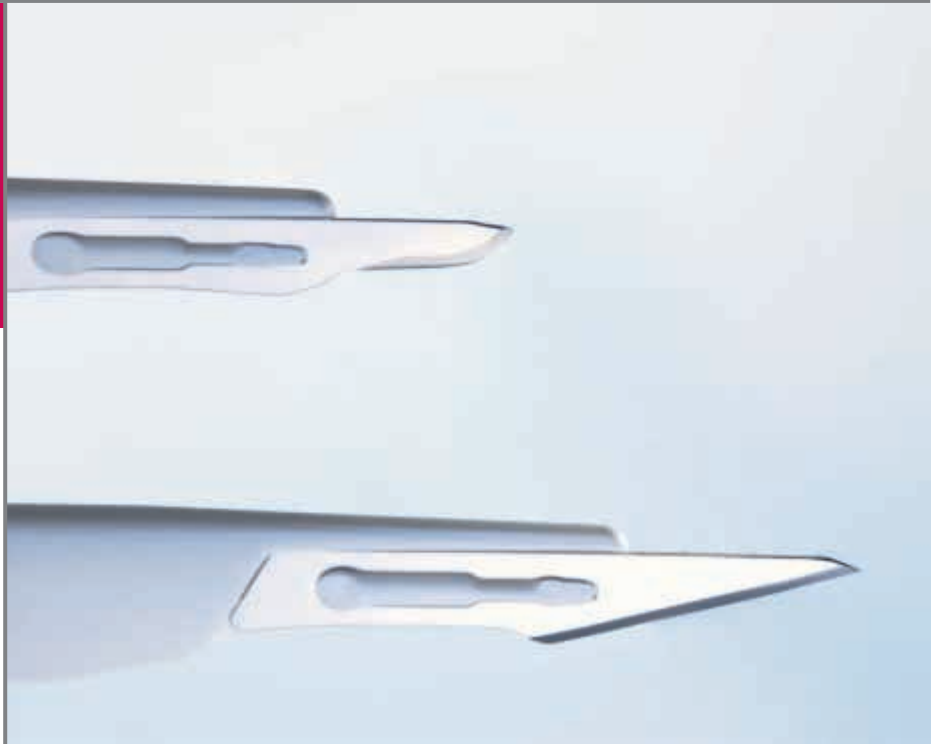
550 mm, 22"



MILLIMETERS



BA



Sterilskalpelle, Skalpelle, Messer  
Sterile Scalpels, Scalpels, Knives



## Sterilskalpelle – Sterile Scalpels

Sterilskalpelle mit Kunststoffheft und Klingenschutz

Sterile Scalpels with Plastic Handle and Blade Protector

BA



1/1

Carbon Steel **BA210**  
Stainless Steel **5518059**  
Fig. 10



1/1

**BA211**  
**5518040**  
Fig. 11



1/1

**BA212**  
**5518105**  
Fig. 12



1/1

**BA215**  
**5518032**  
Fig. 15



1/1

**BA215-1**  
Fig. 15



1/1

**BA215-C**  
Fig. 15



1/1

**BA218**  
Fig. 18





## Sterilskalpelle – Sterile Scalpels

Sterilskalpelle mit Kunststoffheft und Klingenschutz  
Sterile Scalpels with Plastic Handle and Blade Protector



1/1

Carbon Steel  
Stainless Steel

**BA219**

Fig. 19



1/1

**BA220**

**5518067**

Fig. 20



1/1

**BA221**

**5518075**

Fig. 21



1/1

**BA222**

**5518083**

Fig. 22



1/1

**BA223**

**5518016**

Fig. 23



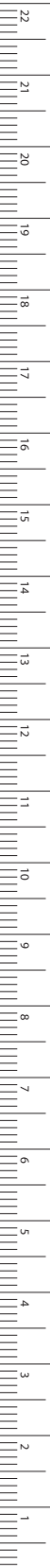
1/1

**BA224**

**5518091**

Fig. 24

BA



MILLIMETERS

**BA210-BA224/5518016-5518105**

Bestelleinheit:

PAK = Packung à 10 Stück

Sales unit:

PAK = Package of 10 pieces

## Sterilskalpelle – Sterile Scalpels

Einmalskalpelle, Mikroskalpelle mit Plastikgriff

Scalpels for Single Use, Microsurgery Scalpels with Plastic Handle

Bestelleinheit:

PAK = Packung à 10 Stück

Sales unit:

PAK = Package of 10 pieces

Bestelleinheit:

PAK = Packung à 5 Stück

Sales unit:

PAK = Package of 5 pieces



**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"

BA





Sterilskalpelle – Sterile Scalpels  
Zeichenfeder  
Mapping Pens

BA



1/1

ECKHOFF

**BA704R**

Zeichenfeder, komplett  
Mapping pen, complete  
145 mm, 5 3/4"



1/1

Bestelleinheit:  
PAK = Packung à 12 Stück  
Sales unit:  
PAK = Package of 12 pieces

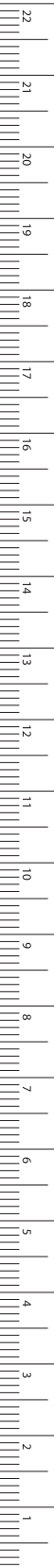
**BA705**

Zeichenfeder, allein  
zum Einmalgebrauch  
Nib, only  
for single use



**AD099R**

Metallgefäß für  
Markierungsflüssigkeit  
Metal ink pot



MILLIMETERS

# Sterilskalpelle – Sterile Scalpels

Skalpelle  
Scalpels

BA



BA401R

BA402R

BA403R

BA407R

BA408R

BA409R

BA401R-BA409R

130 mm, 5 1/8"



BERGMANN

BA451R

140 mm, 5 1/2"





# Sterilskalpelle – Sterile Scalpels

Skalpelle, Tenotome  
Scalpels, Tenotomes

BA



BA501R

BA503R

BA504R

BA506R

BA507R

BA508R

BA509R

BA546R

BA514R

BA563R  
Tenotom  
Tenotome

1/1

BA501R-BA563R

140 - 175 mm, 5 1/2 - 7"

MILLIMETERS

## Sterilskalpelle – Sterile Scalpels

Amputationsmesser

Amputation Knives

BA



doppelschneidig  
double cutting

LISTON

FH100R-FH103R

Amputationsmesser  
Amputation knives

	FH100R	FH101R	FH102R	FH103R
Schnittlänge:	130 mm	160 mm	190 mm	220 mm
Blade length:	5 1/8"	6 1/4"	7 1/2"	8 3/4"



doppelschneidig  
double cutting

CATLIN

FH116R

Amputationsmesser  
Amputation knife

Schnittlänge: 160 mm

Blade length: 6 1/4"



LANGENBECK

FH150R

Lappenmesser  
Flap knife

Schnittlänge: 120 mm

Blade length: 6 1/4"





**Sterilskalpelle – Sterile Scalpels**  
 Amputations- und Resektionsmesser  
 Amputation- and Resection Knives

**BA**



1/2

**FH160R**

Phalangenmesser  
 Phalangeal knife

Schnittlänge: 105 mm  
 Blade length: 4 1/8"



1/2

**FH166R**

Zwischenknochenmesser  
 Interosseous knife

Schnittlänge: 110 mm  
 Blade length: 4 3/8"

doppelschneidig  
 double cutting



1/2

**FH170R**

Beinhautmesser  
 mit Schaber  
 Periosteum knife  
 with raspatory

Schnittlänge: 65 mm  
 Blade length: 2 1/2"



1/2

**FH191R**

LANGENBECK

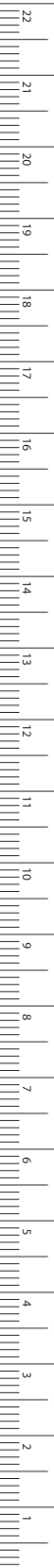
Resektionsmesser  
 Resection knives

Schnittlänge: 55 mm  
 Blade length: 2 1/8"



1/1

**FH192R**



MILLIMETERS

# Sterilskalpelle – Sterile Scalpels

Fistelmesser

Fistula Knives

BA



1/1

SIMON

BA604R-BA606R

200 mm, 8"



BA604R



BA605R



1/1

BA606R



1/1

ULRICH

BA611R

225 mm, 9"



## Sterilskalpelle – Sterile Scalpels Trigeminus- und Tonsillenmesser Trigeminal- and Tonsil Knives

BA



1/1

**OLIVECRONA**

**BA646R**

Trigeminusmesser  
Trigeminal knife  
205 mm, 8"



1/1

**BA641R**

Trigeminusmesser  
Trigeminal knife  
230 mm, 9"



1/1

**FOWLER**

**OM680R**

Tonsillenmesser  
Tonsil knife  
200 mm, 8"

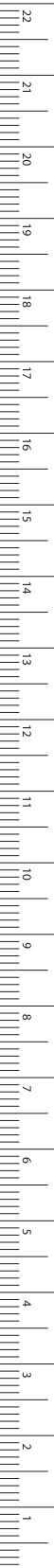


1/1

**ABRAHAM**

**OM681R**

Tonsillenmesser  
Tonsil knife  
215 mm, 8 1/2"



MILLIMETERS

## Sterilskalpelle – Sterile Scalpels

Skalpelle  
Scalpels

Meniskusmesser siehe Rubrik FO  
Meniskus knives see section FO

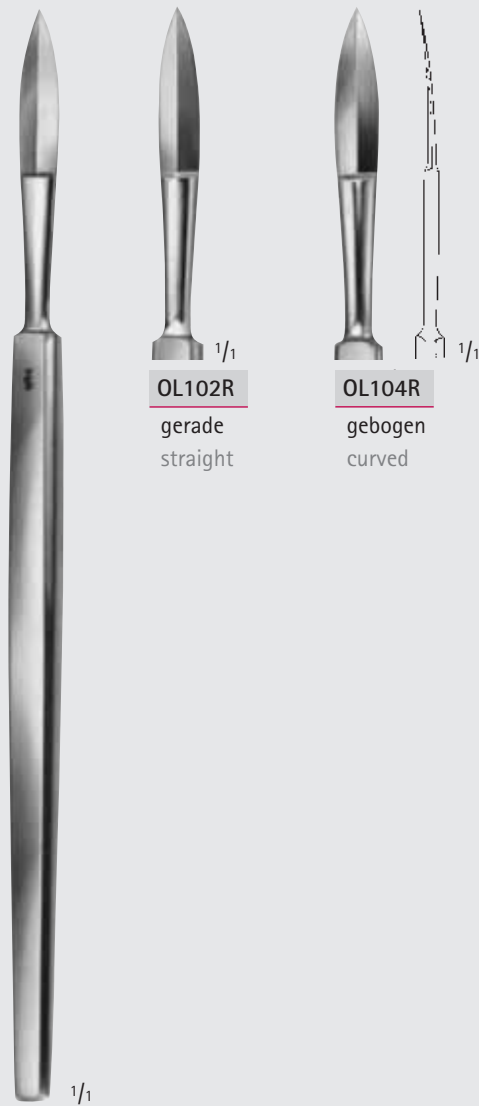
BA



MASING

**OL114R**

Knorpelritzmesser,  
in der Spitze gebogen  
Cartilage slitting knife,  
curved blade, pointed  
130 mm, 5 1/8"



**OL102R**

gerade  
straight

**OL104R**

gebogen  
curved

JOSEPH

**OL102R-OL104R**

Plastikmesser

Double-edged nasal knives,  
pointed  
145 mm, 5 3/4"

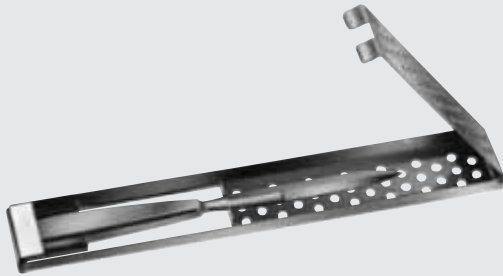




## Sterilskalpelle – Sterile Scalpels

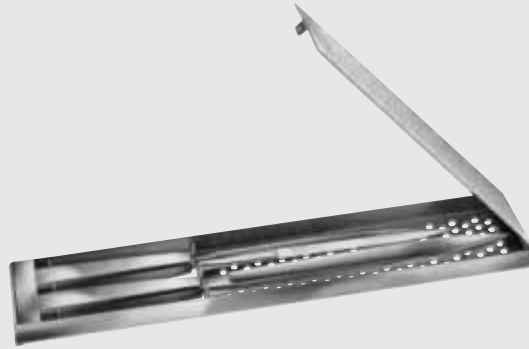
Sterilisierrahmen, Hautstanzen  
Sterilizing Racks, Dermal Punches

BA



### FH194R

Sterilisierrahmen für 1 Messer  
mit Schnittlänge bis 140 mm  
Sterilizing rack for 1 knife  
with length of blade up to 140 mm  
290 x 40 x 14 mm



### FH197R

Sterilisierrahmen für 2 Messer  
mit Schnittlängen bis 190 mm  
Sterilizing rack for 2 knives  
with length of blade up to 190 mm  
335 x 65 x 14 mm

### FH194R-FH197R

für Resektions- und Amputationsmesser  
for Resection- and Amputation knives



○ 1/1

### OL652R

Ø 2 mm  
diam. 2 mm

○ 1/1

### OL653R

Ø 3 mm  
diam. 3 mm

○ 1/1

### OL654R

Ø 4 mm  
diam. 4 mm

○ 1/1

### OL656R

Ø 6 mm  
diam. 6 mm

○ 1/1

### OL657R

Ø 7 mm  
diam. 7 mm

### KEYES

### OL652R-OL657R

Hautstanzen  
Dermal punches  
100 mm, 4"



### KEYES MODIF.

### OL670R

Hautstanze, komplett,  
mit 5 austauschbaren Aufsätzen, Griff und Gestell  
Dermal punch, complete  
with 5 interchangeable tips, handle and rack



MILLIMETERS

**Sterilskalpelle – Sterile Scalpels**  
 Handdermatome  
 Skin Grafting Knives

BA



GOULIAN

**BA710R**

Dermatom mit 3 Schnittschablonen in den Stärken 0,20, 0,25 und 0,30 mm, kpl. mit 5 Klingen BA711R  
 Dermatomes with 3 grafting templates 0.20, 0.25 and 0.30 mm thick, complete with 5 blades BA711R  
 180 mm, 7"

**BA711R**

Ersatzklingen, unsteril  
 Bestelleinheit:  
 PAK = Packung à 50 Stück  
 Spare blades, non sterile  
 Sales unit:  
 PAK = Package of 50 pieces



SCHINK

**BA706R**

Dermatom, einstellbar von 0,1 bis 2,0 mm, komplett, mit 1 auswechselbaren Klinge und 2 Spannplatten  
 Dermatomes, adjustable from 0.1 to 2.0 mm, complete, with 1 interchangeable blade and 2 skin straightening plates  
 300 mm, 12"

**BA708R**

Ersatzklinge allein  
 Spare blade only

**BA709R**

Spannplatte allein  
 Skin straightening plate only

## Sterilskalpelle – Sterile Scalpels

### Handdermatome

### Skin Grafting Knives



#### SILVER

##### BA715R

Dermatom,  
ohne Klengen  
Skin graft knife,  
without blade  
190 mm, 7 1/2"

##### BA716R

Ersatzklinge, unsteril  
Bestelleinheit:  
PAK = Packung à  
5 Stück  
Spare blade, non sterile  
Sales unit:  
PAK = Package of  
5 pieces



Stange starr / bar fixed

#### WATSON

##### BA719R

Dermatom,  
ohne Klengen  
Skin graft knife,  
without blade  
300 mm, 12"

##### BA718R

Ersatzklinge, steril  
Bestelleinheit:  
PAK = Packung à  
10 Stück  
Spare blade, sterile  
Sales unit:  
PAK = Package of  
10 pieces



Stange nur oszillierend / bar only oscillating

#### COBBETT

##### BA717R

Dermatom,  
ohne Klengen  
Skin graft knife,  
without blade  
315 mm, 12"

##### BA718R

Ersatzklinge, steril  
Bestelleinheit:  
PAK = Packung à  
10 Stück  
Spare blade, sterile  
Sales unit:  
PAK = Package of  
10 pieces



Stange oszillierend und drehend / bar oscillating and rotating

#### BRAITHWAITE

##### BA712R

Dermatom,  
ohne Klengen  
Skin graft knife,  
without blade  
315 mm, 12"

##### BA718R

Ersatzklinge, steril  
Bestelleinheit:  
PAK = Packung à  
10 Stück  
Spare blade, sterile  
Sales unit:  
PAK = Package of  
10 pieces



#### HUMBY

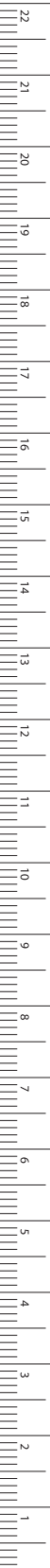
##### BA713R

Dermatom,  
ohne Klengen  
Skin graft knife,  
without blades  
365 mm, 13 3/4"

##### BA714R

Ersatzklinge, steril  
Bestelleinheit:  
PAK = Packung à  
10 Stück  
Spare blade, sterile  
Sales unit:  
PAK = Package of  
10 pieces

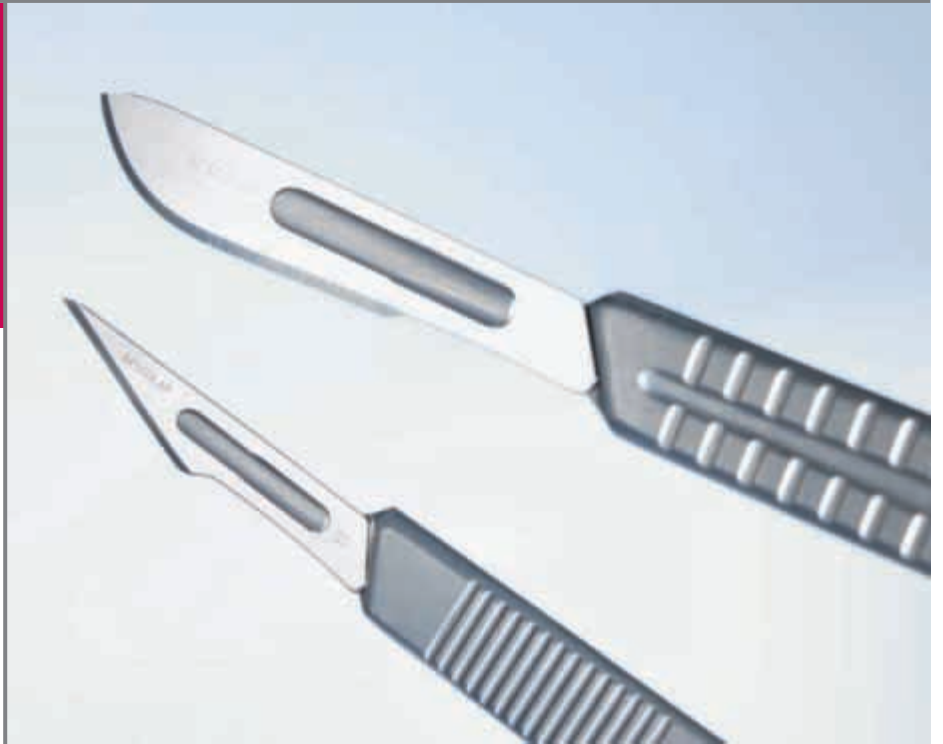
BA



MILLIMETERS



BB



Skalpellklingen und Griffe  
Scalpel Blades and Handles

# Skalpellsklingen und Griffe – Scalpel Blades and Handles

Skalpellsgriffe

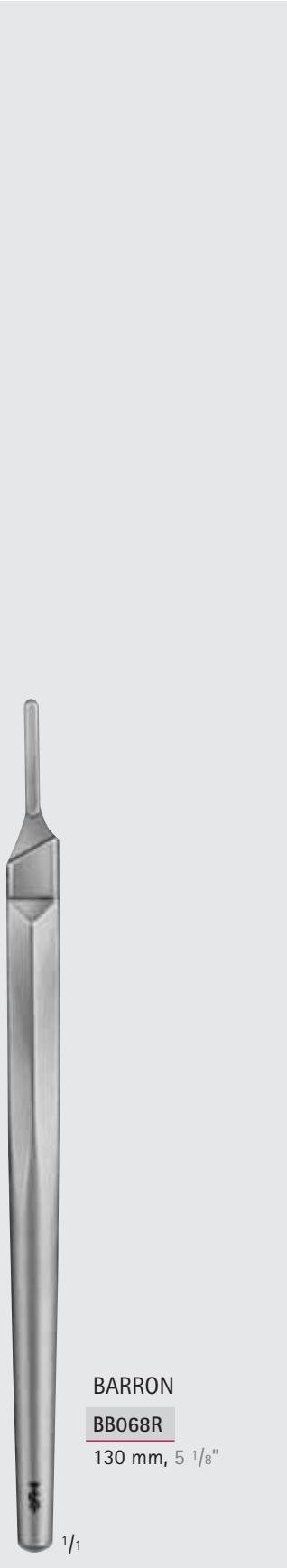
Scalpel Handles



Für Klingen Fig. 10 - 15 und Fig. 40, 42

For blades fig.10 - 15 and fig. 40, 42

BB

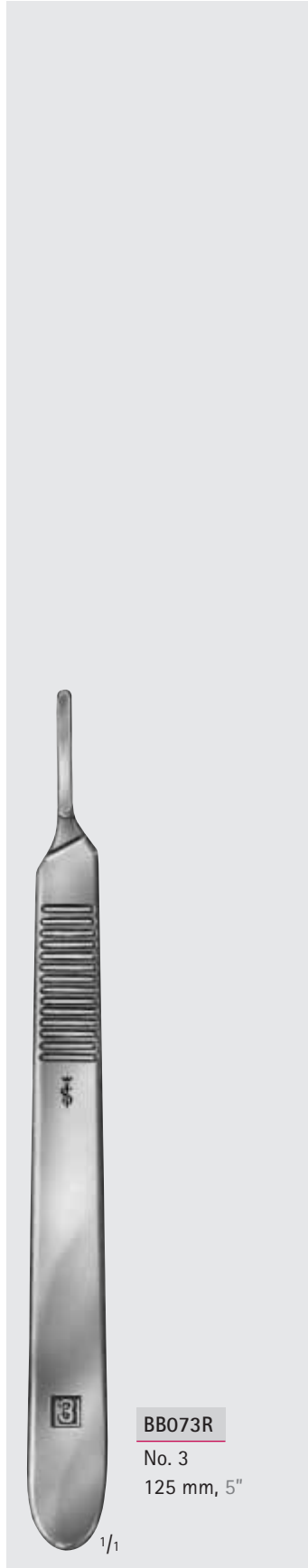


**BARRON**

**BB068R**

130 mm, 5 1/8"

1/1



**BB073R**

No. 3

125 mm, 5"

1/1



**BB074R**

No. 3

125 mm, 5"

1/1



**BB075R**

No. 3 L

210 mm, 8 1/4"

1/1





# Skalpellsklingen und Griffe – Scalpel Blades and Handles

Skalpellsgriffe  
Scalpel Handles



Für Klingen Fig. 10 - 15 und Fig. 40, 42  
For blades fig.10 - 15 and fig. 40, 42

BB



**BB175R**  
No. 3 XL  
250 mm, 10"



**BARRÉ**  
**BB176R-BB178R**  
No. 3 XL  
für linke Hand  
for left hand  
250 mm, 10"



**BB177R**



**BB176R**  
12°

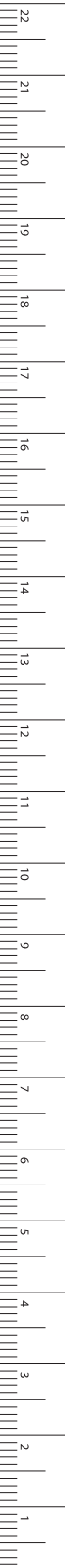


**BB178R**  
25°



entspricht der  
englischen  
No. 5  
corresponds  
with english  
No. 5

**BB077R**  
No. 7  
160 mm, 6 1/4"



MILLIMETERS

# Skalpellsklingen und Griffe – Scalpel Blades and Handles

Skalpellsgriffe

Scalpel Handles



Für Klingen Fig. 10 - 15 und Fig. 40, 42

For blades fig. 10 - 15 and fig. 40, 42

BB



**BB078R**  
225 mm, 9"



**BB079R**  
225 mm, 9"



**BB071R**  
210 mm, 8 1/4"



**BB070R**  
155 mm, 6"



**BB063R**  
145 mm, 5 3/4"



# Skalpellklingen und Griffe – Scalpel Blades and Handles

Skalpellgriffe  
Scalpel Handles



Für Klingen Fig. 18 - 36  
For blades fig. 18 - 36

BB



**BB084R**  
No. 4  
135 mm, 5 1/4"



**BB085R**  
No. 4 L  
215 mm, 8 1/2"



**BB087R**  
No. 4 XL  
250 mm, 10"



**BB080R**  
No. 4  
225 mm, 9"



**BB088R**  
No. 8  
130 mm, 5 1/8"



**BB089R**  
145 mm, 5 3/4"



MILLIMETERS

# Skalpellsklingen und Griffe – Scalpel Blades and Handles

## Sterilklingen Sterile Scalpel Blades



vakuum vergütet  
heat-treated in vacuum

steril  
sterile



BB



1/1

Carbon Steel  
Stainless Steel

**BB510**  
**16600495**



1/1

**BB511**  
**16600509**



1/1

**BB512**  
**16600517**



1/1

**BB513**  
**16615492**



1/1

**BB515**  
**16600525**



1/1

Carbon Steel

**BB515-1**



1/1

**BB515-C**



1/1

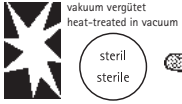
**BB540**  
doppelschneidig  
double cutting



1/1

**BB542**  
doppelschneidig  
double cutting

passend zu den Griffen auf Seite 38 - 40  
Bestelleinheit:  
PAK = Packung à 100 Stück  
in Spenderpackung  
fitting handles on page 38 - 40  
Sales unit:  
PAK = Package of 100 pieces  
in dispenser package



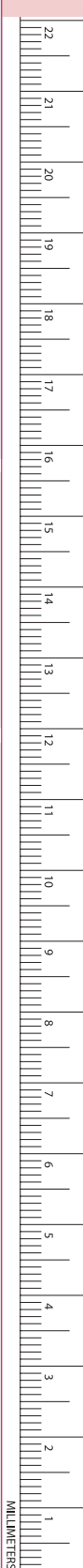
# Skalpellsklingen und Griffe – Scalpel Blades and Handles

## Sterilklingen, Fadenmesser

### Sterile Scalpel Blades, Stitch-Cutter

Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
<b>BB518</b>	<b>BB519</b>	<b>BB520</b>	<b>BB521</b>	<b>BB522</b>	<b>BB523</b>	<b>BB524</b>	<b>BB525</b>	<b>BB536</b>
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
<b>16600541</b>	<b>16615514</b>	<b>16600550</b>	<b>16600568</b>	<b>16600576</b>	<b>16600584</b>	<b>16600592</b>	<b>16616634</b>	<b>16615522</b>

# BB



passend zu den Griffen auf Seite 41

Bestelleinheit:

PAK = Packung à 100 Stück  
in Spenderpackung

fitting handles on page 41

Sales unit:

PAK = Package of 100 pieces  
in dispenser package



Carbon Steel	<b>BB500</b>
Stainless Steel	<b>16600487</b>

Fadenmesser  
Stitch-cutter

Bestelleinheit:

PAK = Packung à 100 Stück

Sales unit:

PAK = Package of 100 pieces

## Skalpellsklingen und Griffe – Scalpel Blades and Handles

Skalpellsgriffe, rund, für mikrochirurgische Klappen

Scalpel Handles, Round, for Microsurgery Blades

BB



1/1

**BB046R**

135 mm, 5 1/2"



1/1

**BB048R**

155 mm, 6"



1/1

CASPAR

**BB052R**

180 mm, 7"



1/1

**BB054R**

200 mm, 8"



2/3

**BB060R**

330 mm, 12"





stainless steel  
steril sterile

## Skalpellsklingen und Griffe – Scalpel Blades and Handles

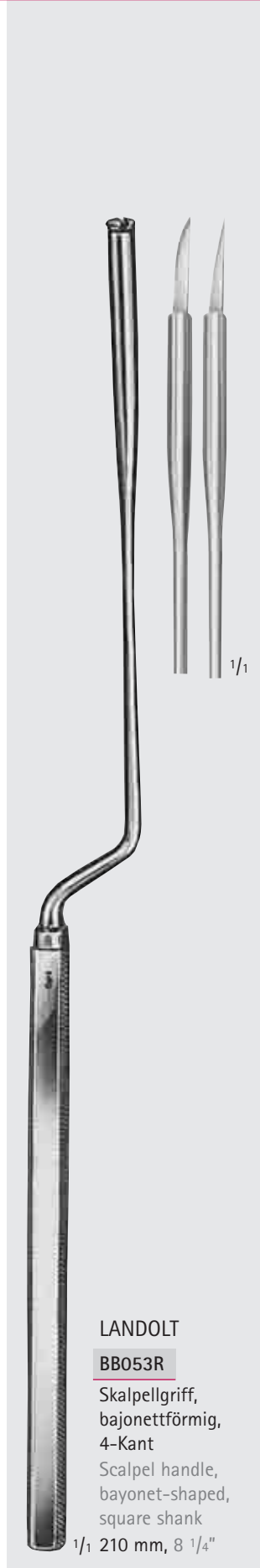
### Skalpellsgriffe für mikrochirurgische Klingen – Mikrochirurgische Klingen

### Scalpel Handles for Microsurgery Blades – Microsurgery Blades

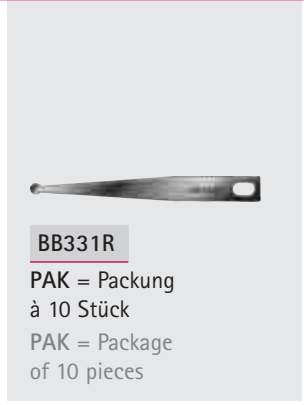
BB



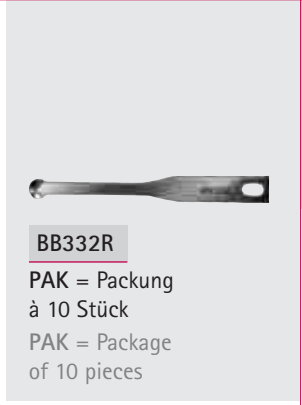
**LANDOLT**  
**BB057R**  
Skalpellsgriff, bajonettförmig, rund  
Scalpel handle, bayonet-shaped, round  
250 mm, 10"



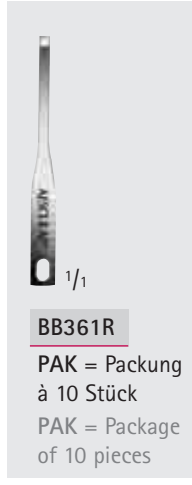
**LANDOLT**  
**BB053R**  
Skalpellsgriff, bajonettförmig, 4-Kant  
Scalpel handle, bayonet-shaped, square shank  
1/1 210 mm, 8 1/4"



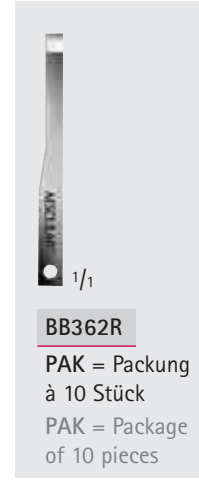
**BB331R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



**BB332R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



**BB361R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



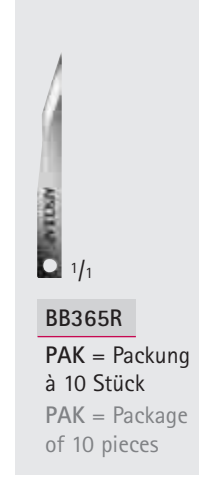
**BB362R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



**BB363R**  
ST = Packung à 1 Stück  
ST = Package of 1 piece



**BB364R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



**BB365R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



**BB366R**  
ST = Packung à 1 Stück  
ST = Package of 1 piece



**BB367R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



**BB368R**  
PAK = Packung à 10 Stück  
PAK = Package of 10 pieces



**BB369R**  
ST = Packung à 1 Stück  
ST = Package of 1 piece



MILLIMETERS



INCHES

BC



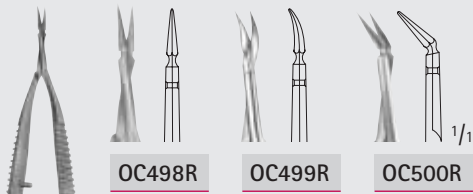
Scheren  
Scissors

## Scheren – Scissors

Mikro-Federscheren mit Flachgriff

Micro Scissors (Spring Type) with Flat Handles

BC



OC498R

OC499R

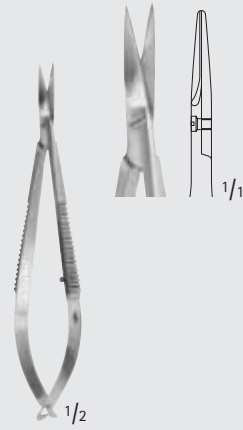
OC500R

1/2

VANNAS

OC498R-OC500R

85 mm, 3 3/8"

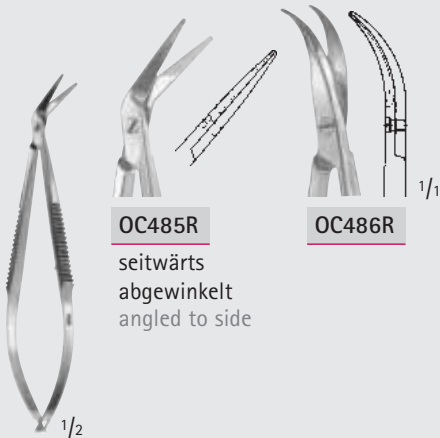


1/2

MC CLURE

OC480R

95 mm, 3 3/4"



OC485R

OC486R

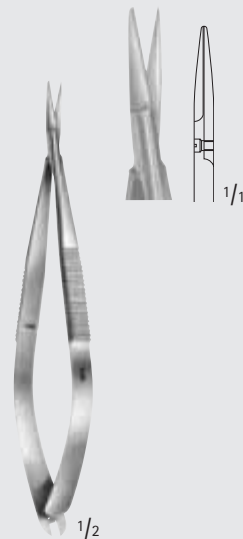
seitwärts  
abgewinkelt  
angled to side

1/2

CASTROVIEJO

OC485R-OC486R

95 mm, 3 3/4"



1/2

NOYES

OC482R

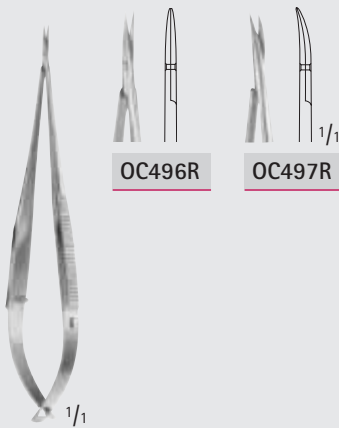
125 mm, 5"



## Scheren – Scissors

Mikro-Federscheren mit Flachgriffen  
Micro Scissors (Spring Type) with Flat Handles

BC

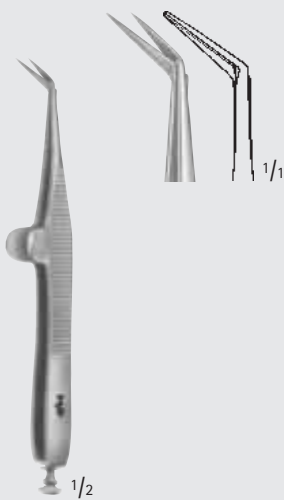


OC496R

OC497R

OC496R-OC497R

105 mm, 4 1/8"



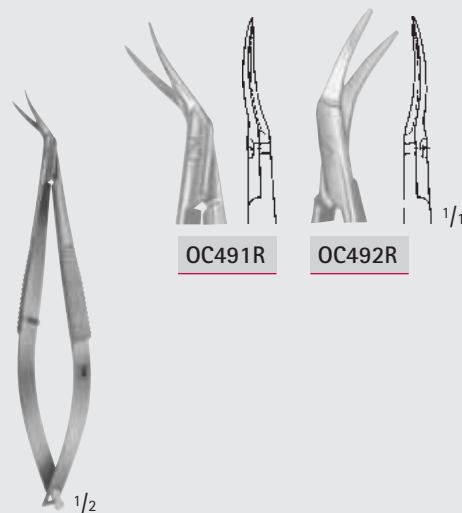
WECKER

OC461R

Augenschere

Eye scissors

110 mm, 4 1/2"



OC491R

OC492R

CASTROVIEJO

OC491R-OC492R

Augenscheren

Eye scissors

110 mm, 4 3/8"



MILLIMETERS

## Scheren – Scissors

Mikro-Federscheren mit Flachgriffen und Karoprofil

Micro Scissors (Spring Type) with Flat Handles and Cross-Serration

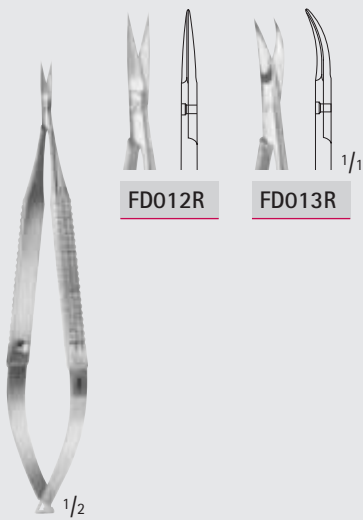


... mit Flachgriffen und Karoprofil

- breite Flachgriffe mit griffigem Karoprofil
- sichere Handhabung

... with flat handle and cross-serration

- flat handles, sure grip due to cross-serration

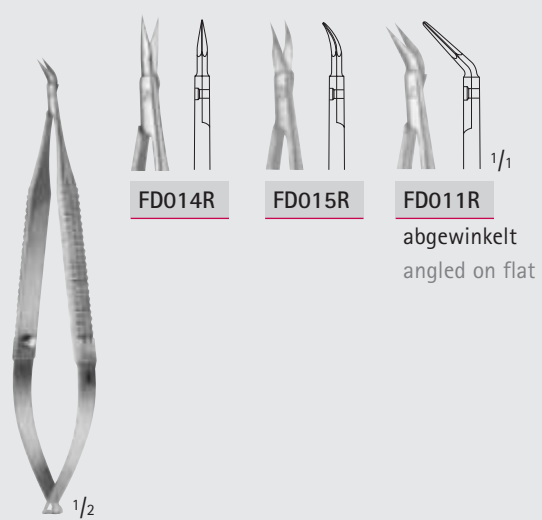


FD012R

FD013R

FD012R-FD013R

120 mm, 4 3/4"



FD014R

FD015R

FD011R

abgewinkelt  
angled on flat

VANNAS

FD011R-FD015R

120 mm, 4 3/4"

BC





## Scheren – Scissors

Mikro-Federscheren mit Flachgriffen und Karoprofil  
Micro Scissors (Spring Type) with Flat Handles and Cross-Serration



**Venenschere FD028R**  
zum Auffrischen von Gefäßstümpfen

- kein Abgleiten des Gefäßes
- glatte, saubere Durchtrennung

Vein scissors FD028R  
for roughening vessel ends

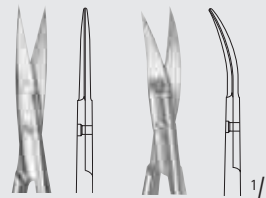
- vessel cannot slip off
- clean, smooth cut



BIEMER

**FD028R**

Venenschere  
Vein scissors  
130 mm, 5 1/8"



**FD016R**

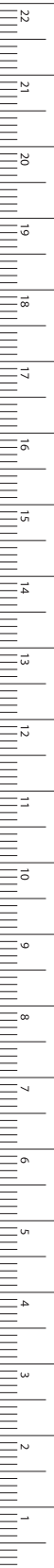
**FD017R**



**FD016R-FD017R**

160 mm, 6 1/4"

BC



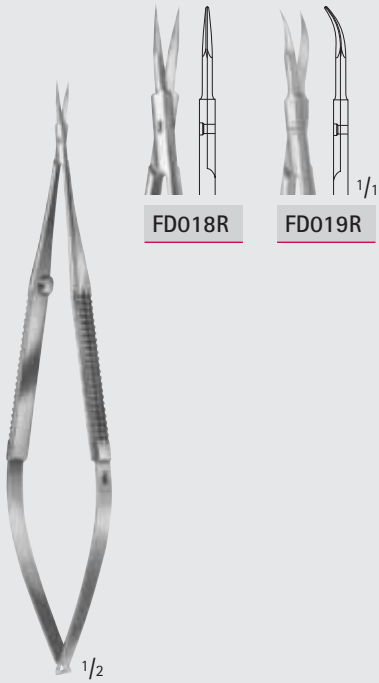
MILLIMETERS

## Scheren – Scissors

Mikro-Federscheren mit Flachgriffen und Karoprofil

Micro Scissors (Spring Type) with Flat Handles and Cross-Serration

BC



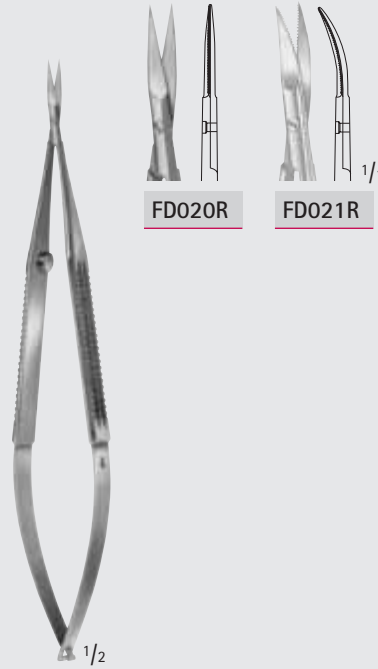
FD018R

FD019R

VANNAS

FD018R-FD019R

160 mm, 6 1/4"



FD020R

FD021R

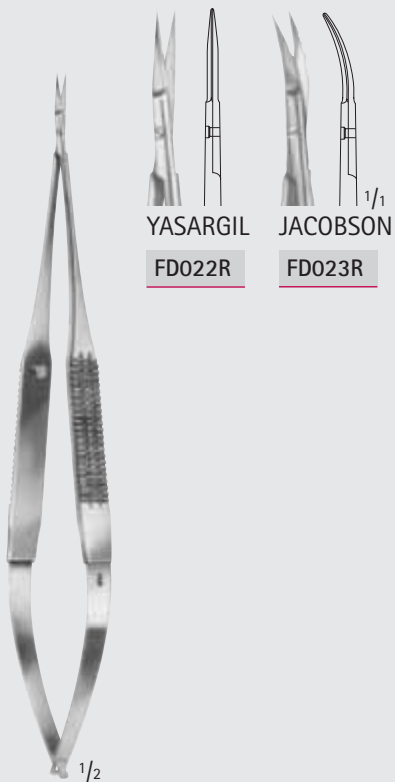
MILLESI

FD020R-FD021R

Schneiden gezahnt

Blades serrated

160 mm, 6 1/4"



YASARGIL

JACOBSON

FD022R

FD023R

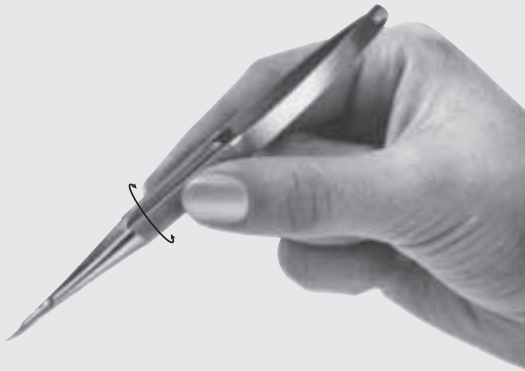
FD022R-FD023R

185 mm, 7 1/4"



## Scheren – Scissors

Mikro-Federscheren mit Rundgriffen  
Micro Scissors (Spring Type) with Round Handles



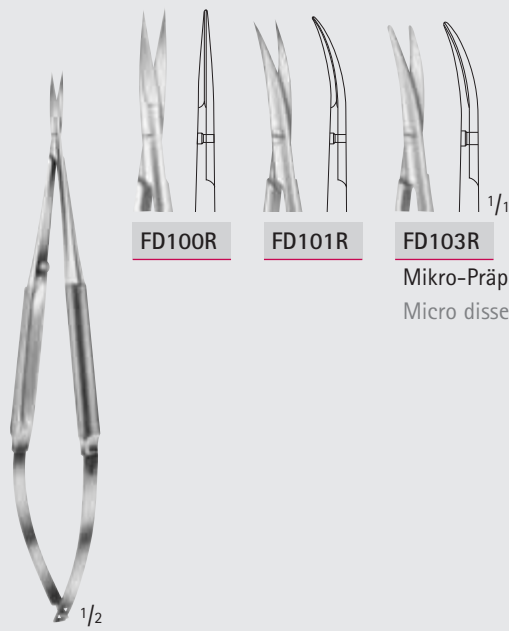
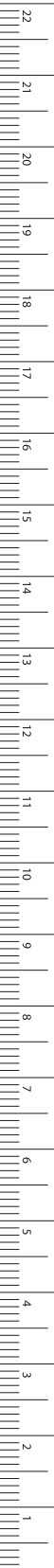
... mit Rundgriffen

- Rundgriffe erlauben Drehbewegungen zwischen den Fingern.
- Optimale Balance, individuell je nach Instrument, durch volle oder gehöhlte Griffpartien.

... with round handles

- Round handles allow turning manipulations between the fingers.
- Optimum balance individually for each instrument due to solid or hollowed-out handles.

BC



FD100R

FD101R

FD103R

Mikro-Präparierschere  
Micro dissecting scissors

FD100R-FD103R

145 mm, 5 3/4"

MILLIMETERS

## Scheren – Scissors

Mikro-Federscheren mit leichtem Kunststoffprofil

Micro Scissors (Spring Type) with Light Plastic Handle



### Das MÜLLER Mikro-Instrumentarium

Ein hochwertiges Set für die periphere Mikrochirurgie. Zahlreiche praxisbewährte Details führen zu mehr Effektivität und Sicherheit.

#### ■ Unverkrampte Haltung = mehr Feingefühl

Das leichte Kunststoffprofil vergrößert die Griffoberfläche, gewährleistet dadurch eine unverkrampte 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.

### 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.

BC





## Scheren – Scissors

Mikro-Federschere mit leichtem Kunststoffprofil  
Micro Scissors (Spring Type) with Light Plastic Handle

BC



MÜLLER

FM010R-FM014R

120 mm, 4 3/4"



FM010R

spitz/spitz  
sharp/sharp



FM011R

spitz/spitz  
sharp/sharp



FM012R

spitz/stumpf  
sharp/blunt



FM013R

stumpf/stumpf  
blunt/blunt



FM014R

Kugel/spitz  
probe pointed/sharp



MÜLLER

FM040R-FM041R

170 mm, 6 3/4"



FM040R

spitz/spitz  
sharp/sharp



FM041R

spitz/spitz  
sharp/sharp



MILLIMETERS

## Scheren – Scissors

Mikro-Federscheren mit Flachgriff

Micro Scissors with Flat Handle

BC



1/1

165 mm, 6 1/2"



## Scheren – Scissors

### Mikro-Federschere mit Flachgriff

### Micro Scissors with Flat Handle

25°



FM470R

45°



FM471R

60°



FM472R

90°



FM473R

125°



FM474R

gerade  
straightaufgebogen  
curved  
on flatFeines Blatt  
Fine blade

FM451R



FM452R



FM453R



FM454R



FM455R

Feines Blatt,  
1 Blatt mit Knopf  
Fine blade,  
with 1 probe  
pointed blade

FM437R



FM438R



FM439R



FM440R



FM441R



FM442R



FM436R

Sehr feines Blatt  
Delicate blade

FM431R



FM432R



FM433R



FM434R



FM435R



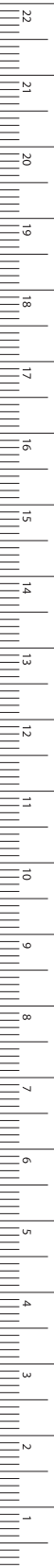
FM444R



FM430R

Extrem feines Blatt  
Ultra delicate blade

BC



MILLIMETERS



## Scheren – Scissors

Mikro-Federscheren mit Rundgriff

Micro Scissors (Spring Type) with Round Handle

BC



1/1

165 mm, 6 1/2"



## Scheren – Scissors

Mikro-Federscheren mit Rundgriff  
Micro Scissors with Round Handle

25°



FM476R

45°



FM477R

60°



FM478R

90°



FM479R

125°



FM480R

gerade  
straight

aufgebogen  
curved  
on flat

Feines Blatt  
Fine blade



FM482R



FM483R



FM484R



FM485R



FM486R



FM488R



FM481R

Sehr feines Blatt  
Delicate blade



FM489R



FM490R



FM491R



FM492R



FM493R

Sehr feines Blatt,  
1 Blatt mit Knopf  
Delicate blade,  
with 1 probe  
pointed blade



FM504R



FM505R



FM506R



FM507R



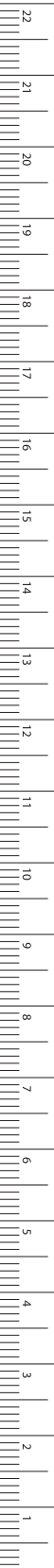
FM508R



FM503R

Extrem feines Blatt  
Ultra delicate blade

BC



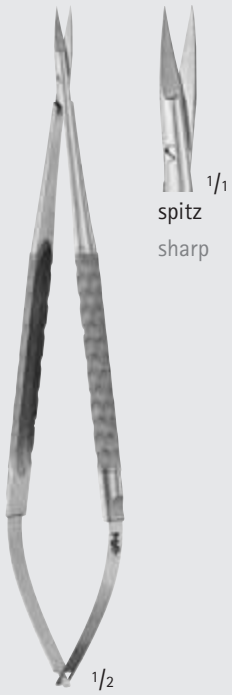
MILLIMETERS

## Scheren – Scissors

Mikro-Federscheren mit Rundgriff

Micro Scissors (Spring Type) with Round Handles

BC



**FM042R**

Mikro-Schere  
Micro scissors  
180 mm, 7"



**FD251R**

Mikro-Schere  
Micro scissors  
180 mm, 7"



**FM043R**

Mikro-Schere  
Micro scissors  
180 mm, 7"



**FD252R**

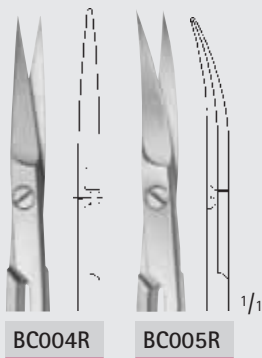
Mikro-Fadenschere  
für Nahtmaterial von 6/0 und kleiner - 8/0 und kleiner  
Micro ligature scissors  
for suture material 6/0 and smaller - 8/0 and smaller  
180 mm, 7"



## Scheren – Scissors

Feine Scheren – große Ringform  
Delicate Scissors – Large Ring Design

BC

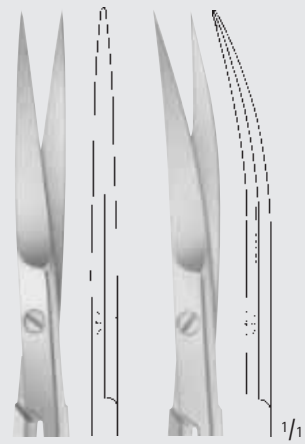


BC004R

BC005R

BC004R-BC005R

115 mm, 4 1/2"



BC006R

BC007R

JOSEPH

BC006R-BC007R

150 mm, 6"



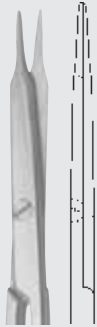
MILLIMETERS

## Scheren – Scissors

Feine Scheren – große Ringform

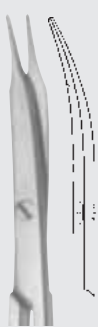
Delicate Scissors – Large Ring Design

BC



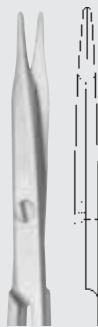
BC008R

spitz  
sharp



BC009R

spitz  
sharp



BC010R

stumpf  
blunt



BC011R

stumpf  
blunt

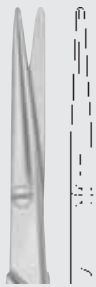
STEVENS

BC008R-BC011R

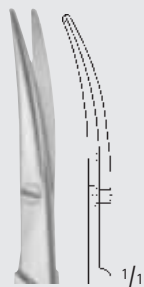
Präparierscheren

Dissecting scissors

115 mm, 4 1/2"



BC020R



BC021R

BC020R-BC021R

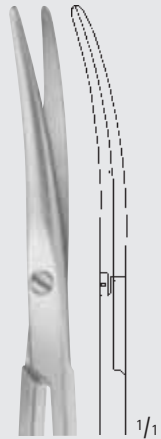
Präparier- und Strabismusscheren

Dissecting- and strabismus scissors

115 mm, 4 1/2"



BC022R



BC023R

METZENBAUM

BC022R-BC023R

Präparierscheren

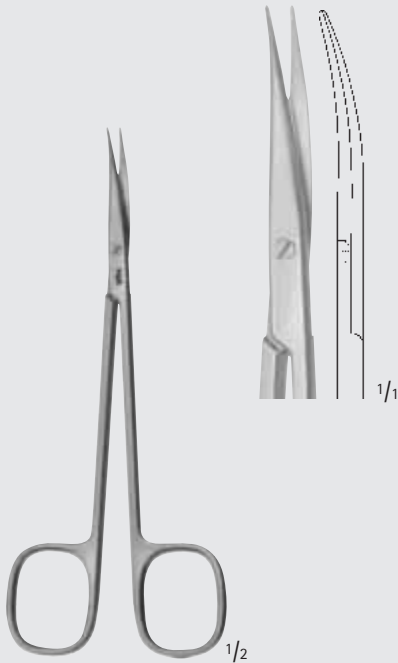
Dissecting scissors

145 mm, 5 3/4"

## Scheren – Scissors

Feine Scheren – große Ringform  
Delicate Scissors – Large Ring Design

BC



REYNOLDS-JAMESON

**BC015R**

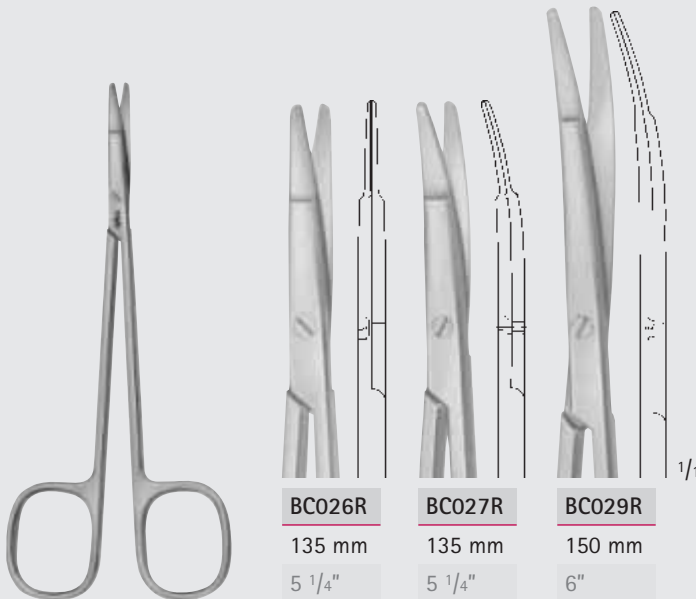
Gefäß-Schere  
Vascular scissors  
140 mm, 5 1/2"



Außenkanten der Blätter halbscharf  
blades outside semi-sharp

**BC017R**

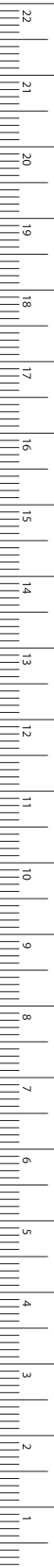
Nerv-Präparierschere  
Nerve dissecting scissors  
140 mm, 5 1/2"



RAGNELL

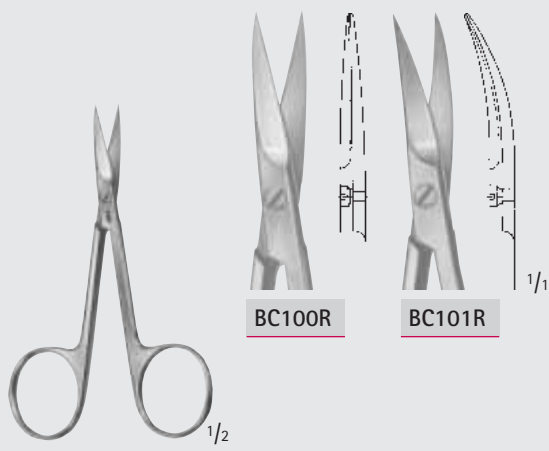
**BC026R-BC029R**

Besonders flache Spitzen zum Präparieren  
und Unterminieren der Haut  
Special flat points for dissecting and  
undermining the skin

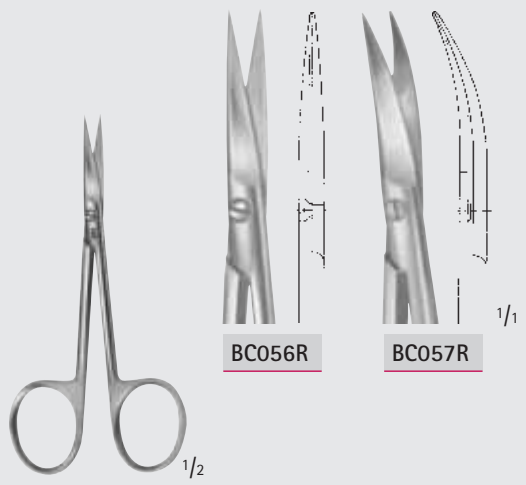


**Scheren – Scissors**  
 Feine Scheren  
 Delicate Scissors

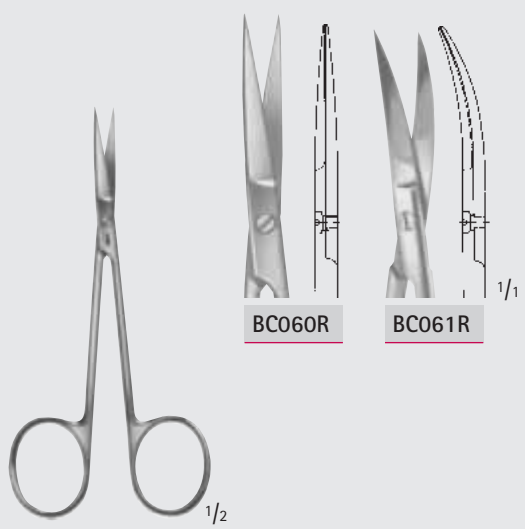
**BC**



**BC100R-BC101R**  
 90 mm, 3 1/2"



**BC056R-BC057R**  
 90 mm, 3 3/4"



**BC060R-BC061R**  
 105 mm, 4 1/8"



**BC064R-BC065R**  
 120 mm, 4 3/4"



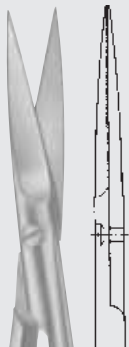


Scheren – Scissors  
 Feine Scheren  
 Delicate Scissors

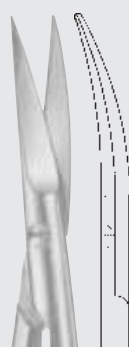
BC



**BC110R-BC117R**  
 110 mm, 4 3/8"



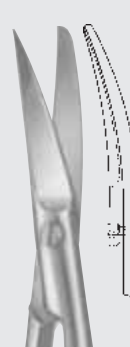
**BC110R**



**BC111R**



**BC112R**



**BC113R**



**BC117R**

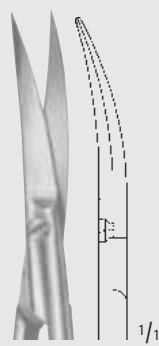
seitwärts gebogen  
 curved to side



**BC106R-BC107R**  
 115 mm, 4 1/2"



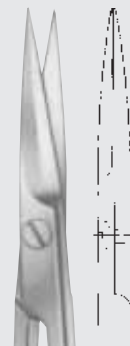
**BC106R**



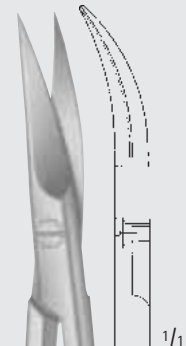
**BC107R**



**DO210R-DO211R**  
 120 mm, 4 3/4"



**DO210R**



**DO211R**



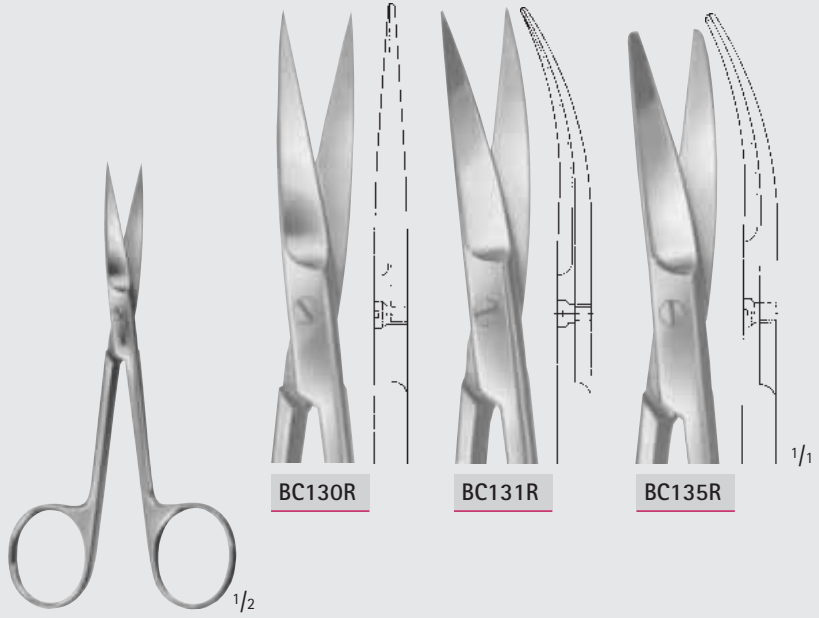
MILLIMETERS

# Scheren – Scissors

Feine Scheren

Delicate Scissors

BC



BC130R

BC131R

BC135R

BC130R-BC135R  
120 mm, 4 3/4"



BC140R

BC141R

BC144R

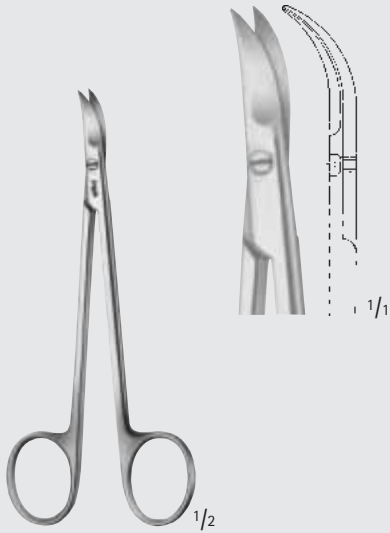
BC145R

BC140R-BC145R  
130 mm, 5 1/8"



Scheren – Scissors  
Feine Scheren  
Delicate Scissors

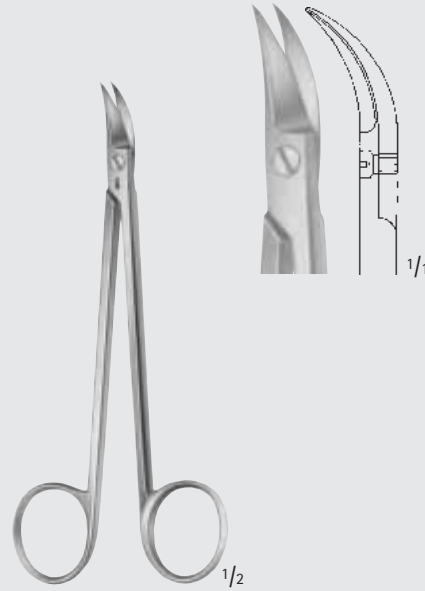
BC



CHADWICK

BC153R

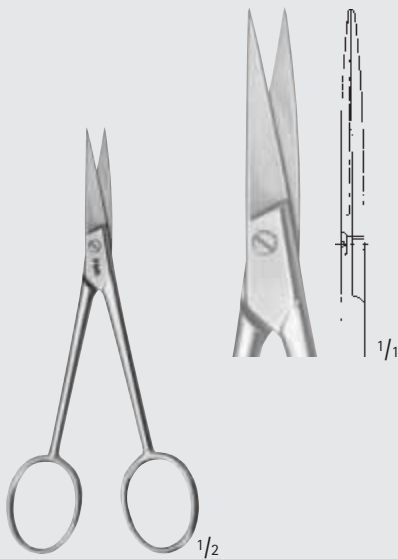
115 mm, 4 1/2"



QUINBY

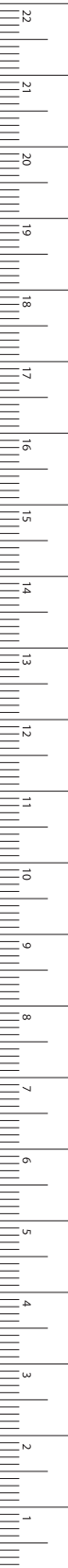
DO218R

130 mm, 5 1/8"



BC050R

110 mm, 4 3/8"



MILLIMETERS

**Scheren – Scissors**  
 Feine Scheren  
 Delicate Scissors

BC



1/1  
 seitwärts gebogen  
 curved to side

PERWITZSCHKY

**OM489R**

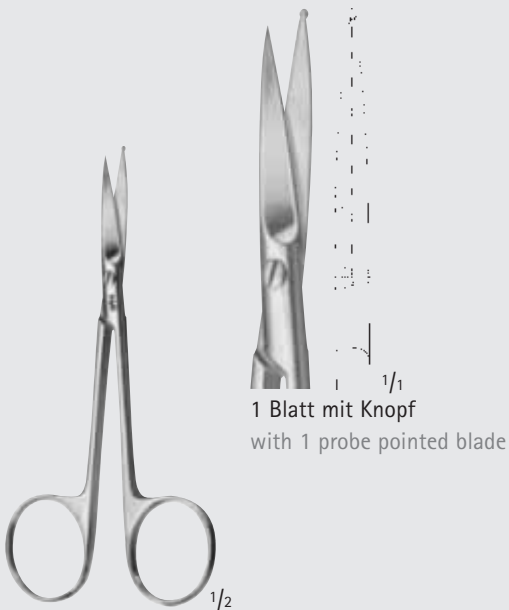
Speichelgangschere  
 Salival scissors  
 100 mm, 4 1/2"



1/1  
 seitwärts abgewinkelt  
 angled to side

**BC033R**

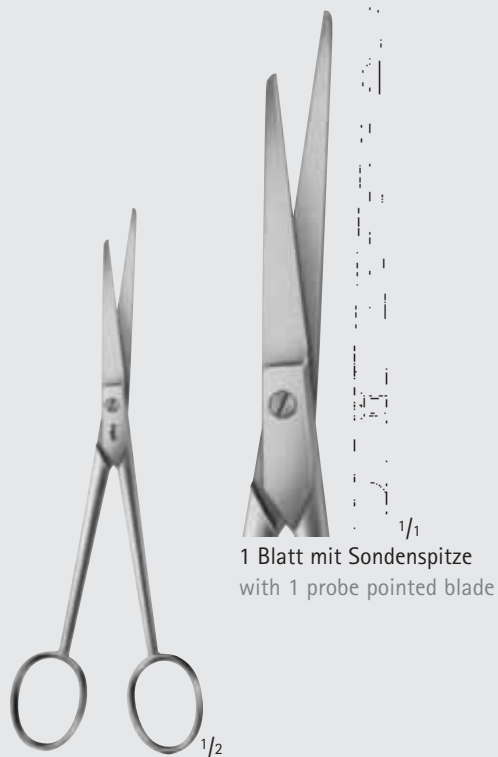
115 mm, 4 1/2"



1/1  
 1 Blatt mit Knopf  
 with 1 probe pointed blade

**BC030R**

120 mm, 4 3/4"



1/1  
 1 Blatt mit Sondenspitze  
 with 1 probe pointed blade

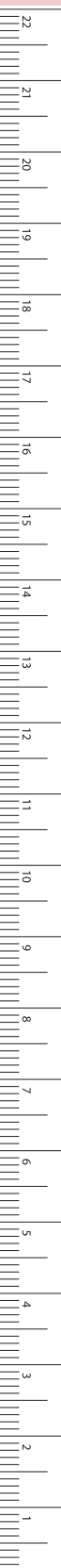
**BC034R**

145 mm, 5 3/4"

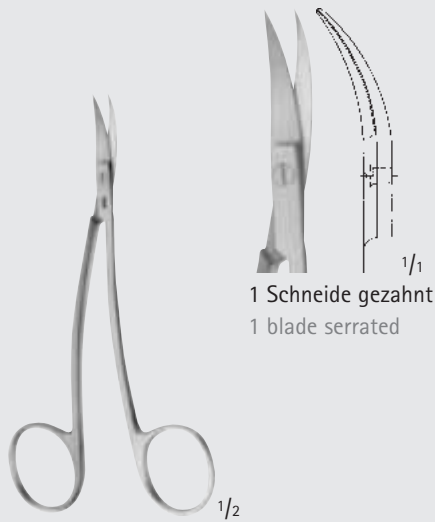


Scheren – Scissors  
 Feine Scheren  
 Delicate Scissors

BC



MILLIMETERS



1 Schneide gezahnt  
 1 blade serrated

LA GRANGE

BC154R

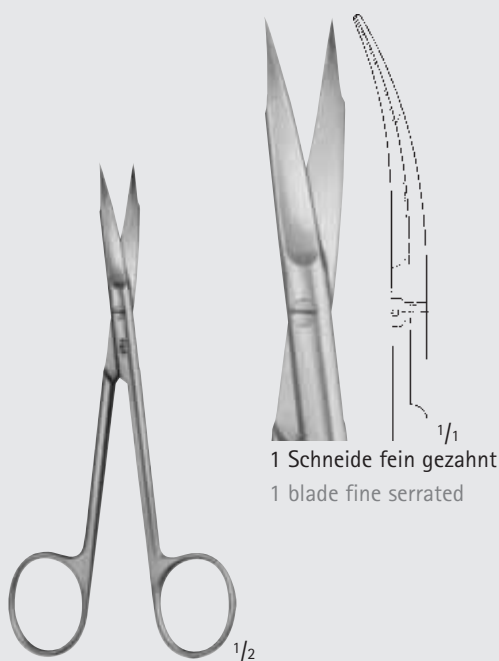
110 mm, 4 3/8"



abgewinkelt,  
 1 Schneide gezahnt  
 angled on flat,  
 1 blade serrated

DO252R

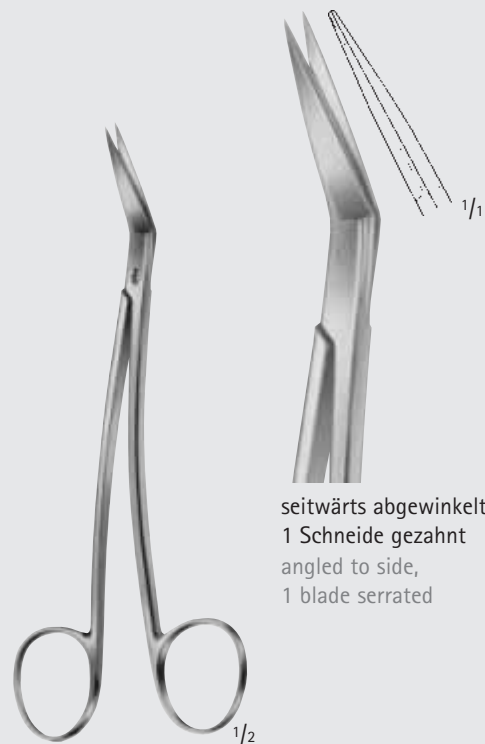
125 mm, 5"



1 Schneide fein gezahnt  
 1 blade fine serrated

DO251R

130 mm, 5 1/8"



seitwärts abgewinkelt,  
 1 Schneide gezahnt  
 angled to side,  
 1 blade serrated

LOCKLIN

DO219R

155 mm, 6"

# Scheren – Scissors

Feine Scheren

Delicate Scissors

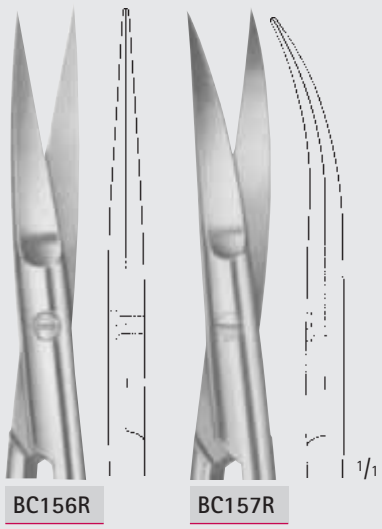
BC



JOSEPH

BC156R-BC157R

150 mm, 6"



BC156R

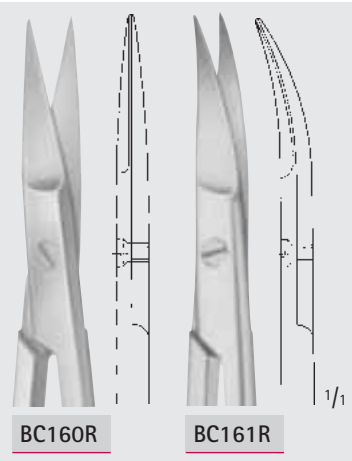
BC157R



KELLY

BC160R-BC161R

175 mm, 7"



BC160R

BC161R

# Scheren – Scissors

## Chirurgische Scheren

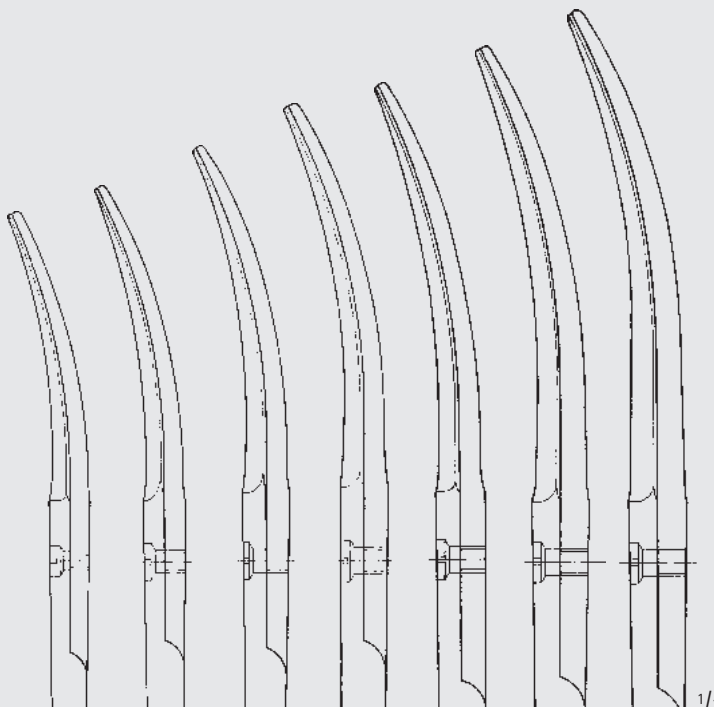
### Surgical Scissors

BC



**BC320R-BC330R**  
Standard-Modelle  
Standard patterns

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"



**BC421R-BC428R**  
Standard-Modelle  
Standard patterns

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"

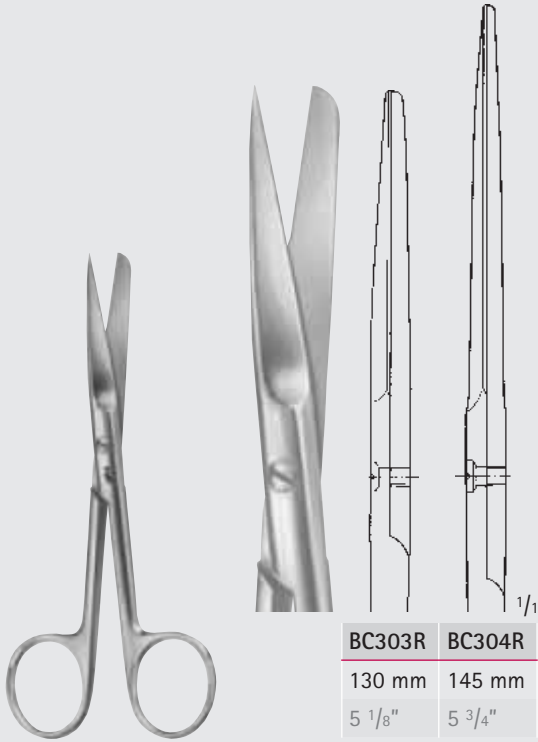
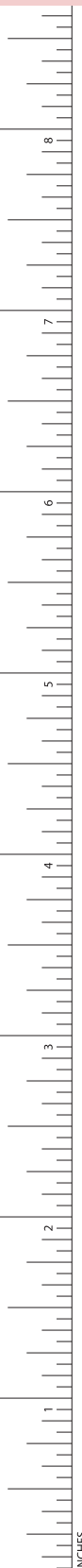


MILLIMETERS



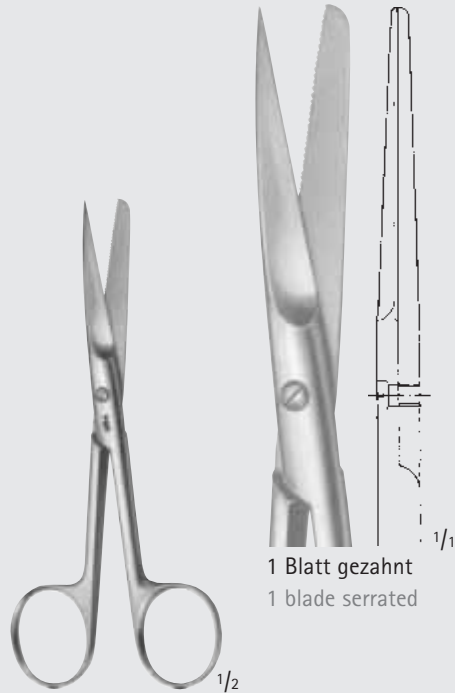
**Scheren – Scissors**  
 Chirurgische Scheren  
 Surgical Scissors

BC



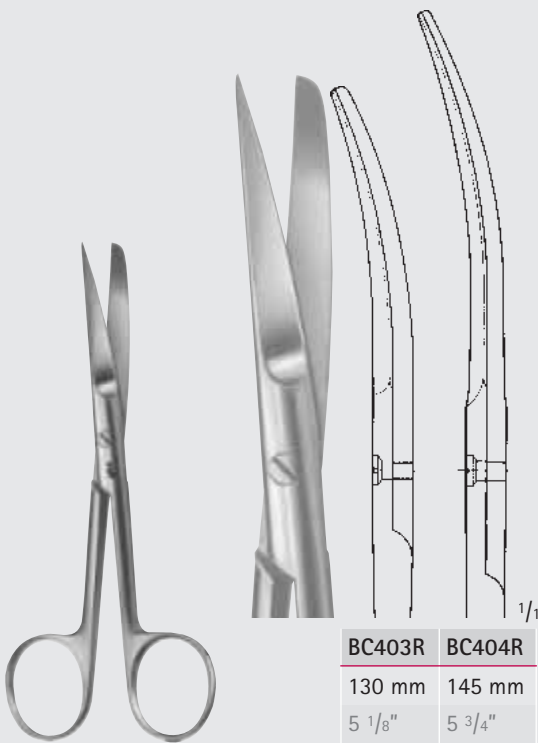
BC303R	BC304R
130 mm	145 mm
5 1/8"	5 3/4"

**BC303R-BC304R**  
 schlanke Modelle  
 slender patterns



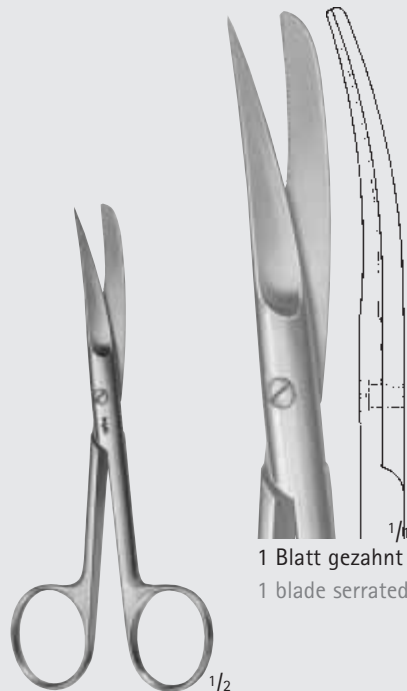
1 Blatt gezahnt  
 1 blade serrated

**BC496R**  
 Wundrandschere  
 Scissors for wound edges  
 130 mm, 5 1/8"



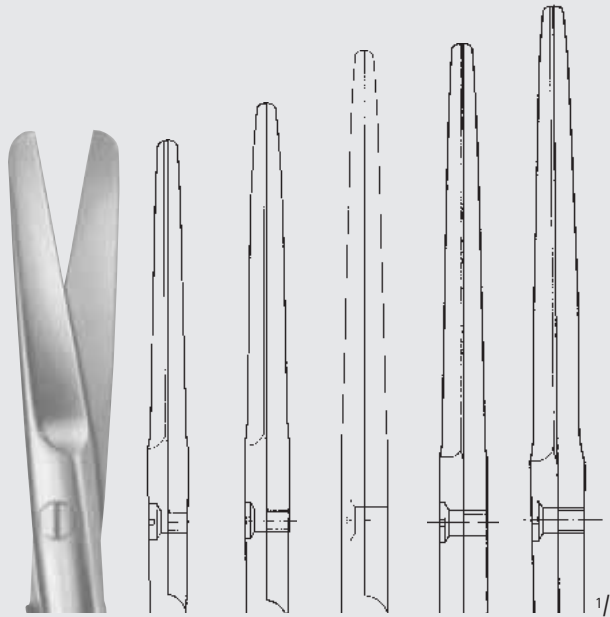
BC403R	BC404R
130 mm	145 mm
5 1/8"	5 3/4"

**BC403R-BC404R**  
 schlanke Modelle  
 slender patterns



1 Blatt gezahnt  
 1 blade serrated

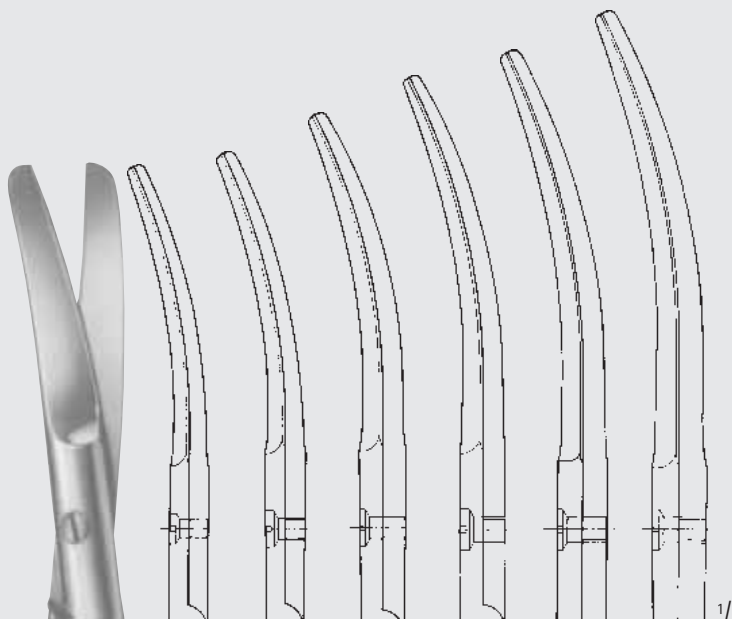
**BC497R**  
 Wundrandschere  
 Scissors for wound edges  
 130 mm, 5 1/8"



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"

**BC313R-BC317R**

Standard-Modelle  
Standard patterns



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"

**COOPER**

**BC411R-BC417R**

Standard-Modelle  
Standard patterns

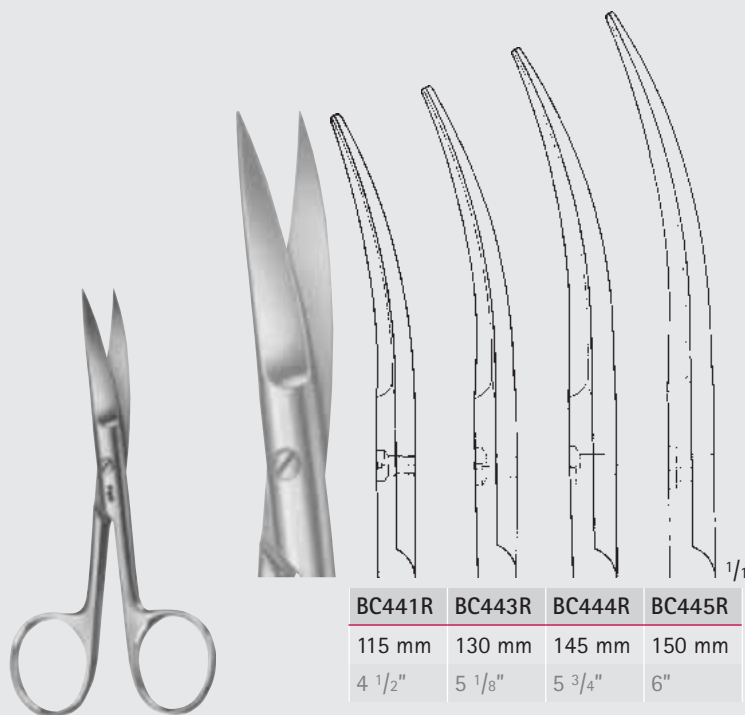
**Scheren – Scissors**  
 Chirurgische Scheren  
 Surgical Scissors

BC



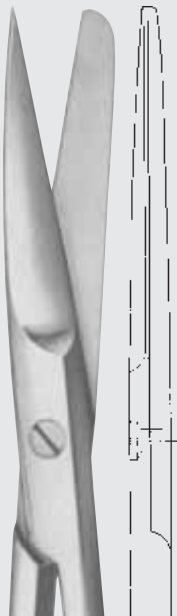
BC341R	BC343R	BC344R	BC345R	BC346R
115 mm	130 mm	145 mm	150 mm	165 mm
4 1/2"	5 1/8"	5 3/4"	6"	6 1/2"

**BC341R-BC346R**  
 Standard-Modelle  
 Standard patterns

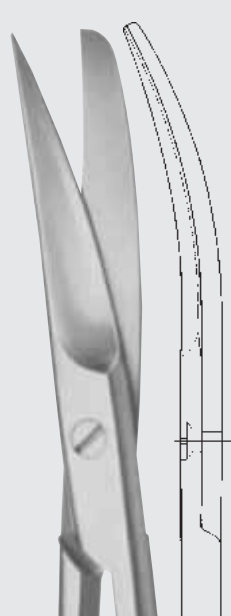


BC441R	BC443R	BC444R	BC445R
115 mm	130 mm	145 mm	150 mm
4 1/2"	5 1/8"	5 3/4"	6"

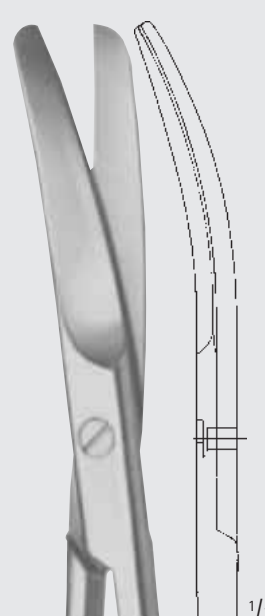
**BC441R-BC445R**  
 Standard-Modelle  
 Standard patterns



BC374R



BC474R



BC464R

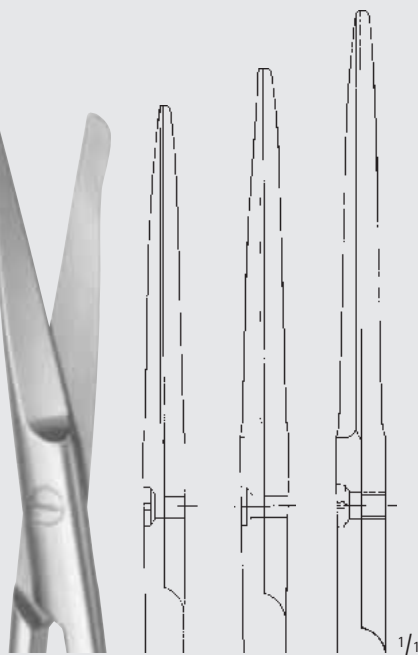
DEAVER

BC374R-BC474R

Chirurgische Scheren mit Flachschluss

Surgical scissors with flat lock

145 mm, 5 3/4"

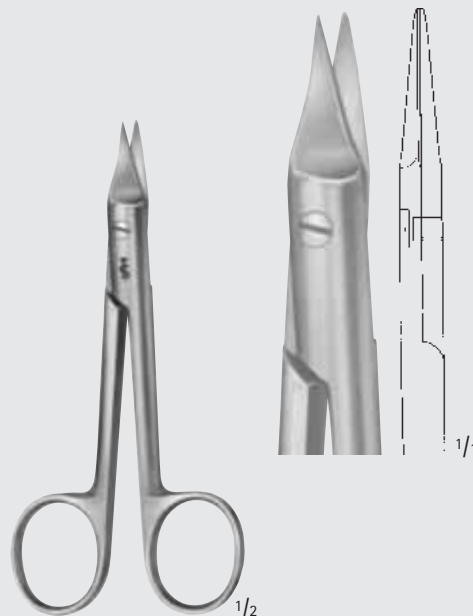


BC503R	BC504R	BC506R
130 mm	145 mm	165 mm
5 1/8"	5 3/4"	6 1/2"

BC503R-BC506R

Inzisions-Scheren

Incision scissors



SYSTRUNK

BC521R

Nagelspaltschere

Nail splitting scissors

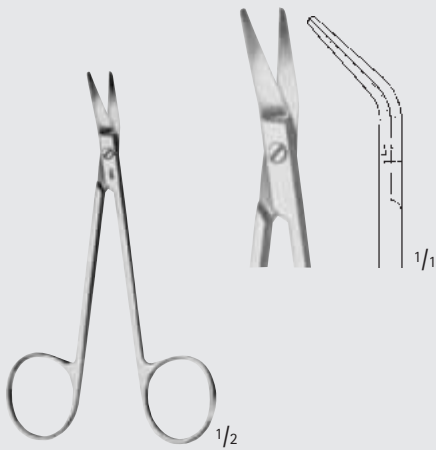
130 mm, 5 1/8"

## Scheren – Scissors

Präparierscheren, feine Modelle

Dissecting Scissors, Delicate Patterns

BC



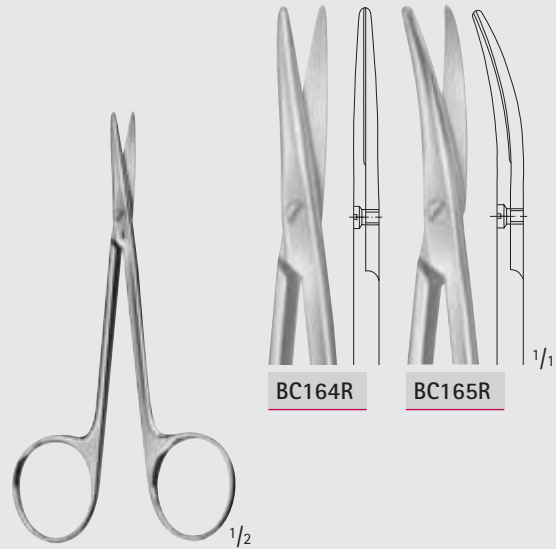
GRAEFE

**OC415R**

Präparierschere

Dissecting scissors

100 mm, 4"



**BC164R**

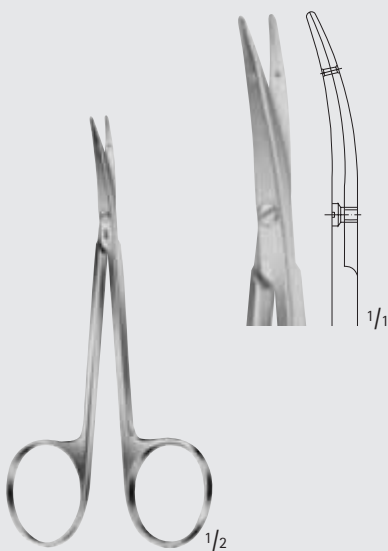
**BC165R**

**BC164R-BC165R**

Präparierscheren

Dissecting Scissors

115 mm, 4 1/2"



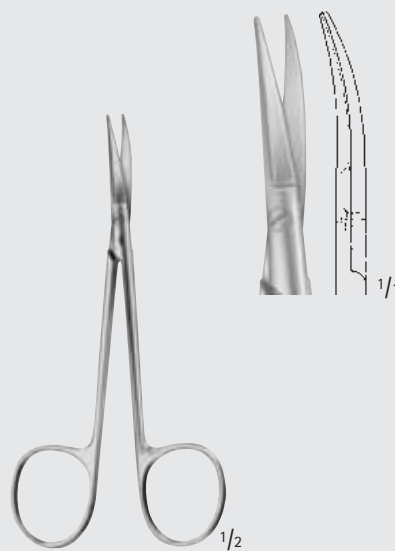
LITTLER

**BC163R**

Präparierschere  
mit Fadenbohrung in der Spitze

Dissecting scissors,  
tips with eye for suture

115 mm, 4 1/2"



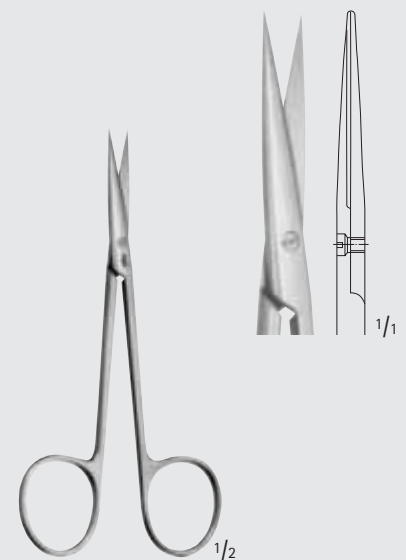
COTTLE

**OK374R**

Bulldog-Schere

Bulldog scissors

115 mm, 4 1/2"



KILNER

**BC162R**

feine Präparierschere

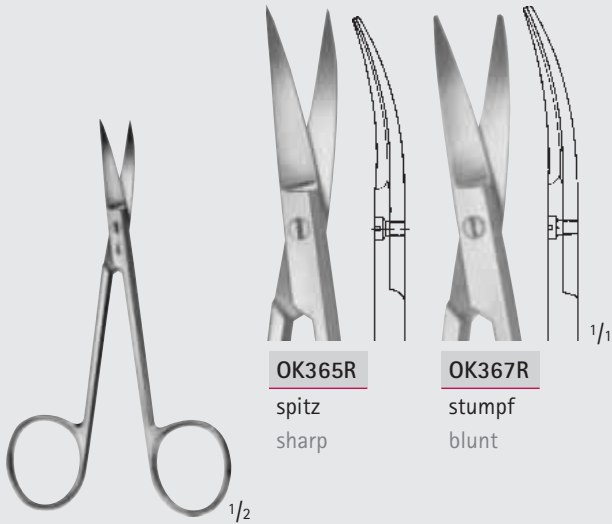
delicate dissecting scissors

115 mm, 4 1/2"



**Scheren – Scissors**  
 Präparierscheren, feine Modelle  
 Dissecting Scissors, Delicate Patterns

BC



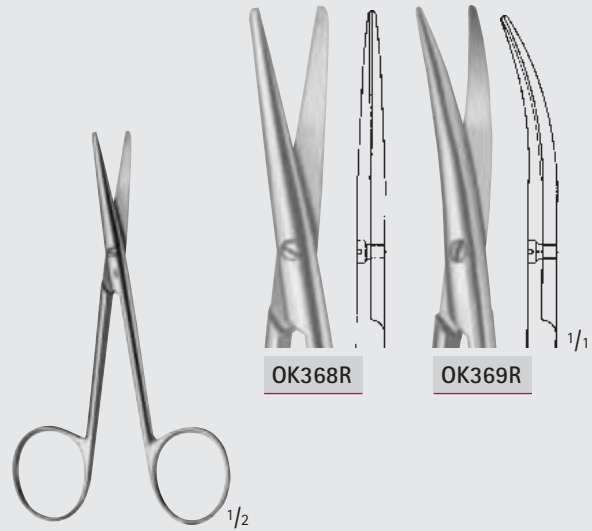
**OK365R**  
 spitz  
 sharp

**OK367R**  
 stumpf  
 blunt

**COTTLE-MASING**

**OK365R-OK367R**

Scheren für die plastische Chirurgie  
 Scissors for plastic surgery  
 105 mm, 4 1/8"



**OK368R**

**OK369R**

**COTTLE-KNAPP**

**OK368R-OK369R**

Scheren für die plastische Chirurgie  
 Scissors for plastic surgery  
 105 mm, 4 1/8"



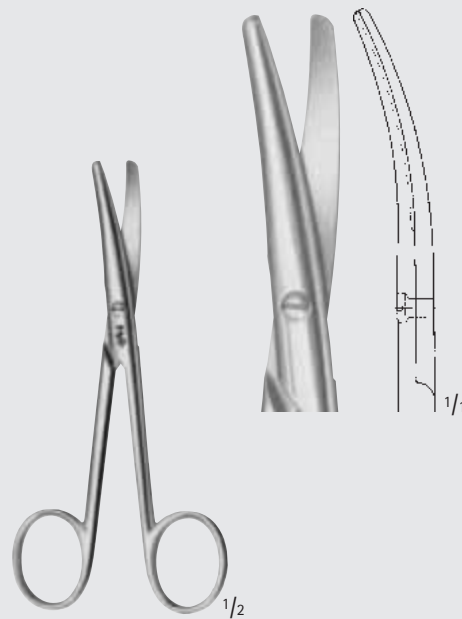
**OK372R**  
 135 mm  
 5 1/4"

**OK373R**  
 115 mm  
 4 1/2"

**FOMON**

**OK372R-OK373R**

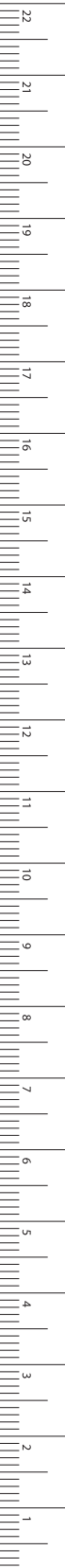
Nasenflügelscheren  
 Lower lateral scissors



**LANDOLT**

**OC430R**

Enukleationsschere  
 Enucleation scissors  
 120 mm, 4 3/4"



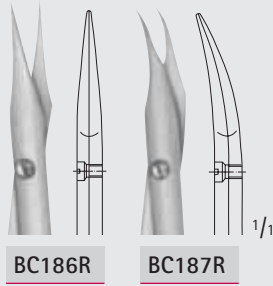
MILLIMETERS

## Scheren – Scissors

Präparierscheren, feine Modelle

Dissecting Scissors, Delicate Patterns

BC



BC186R

BC187R

STEVENS

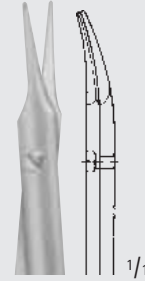
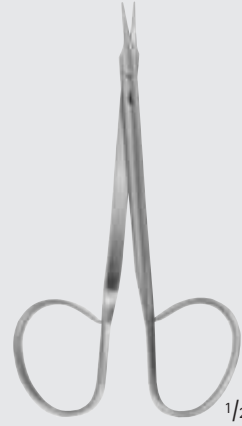
BC186R-BC187R

Gefäß- und Sehnenscheren

Vascular- and tendon scissors

100 mm, 4"

»grazil«



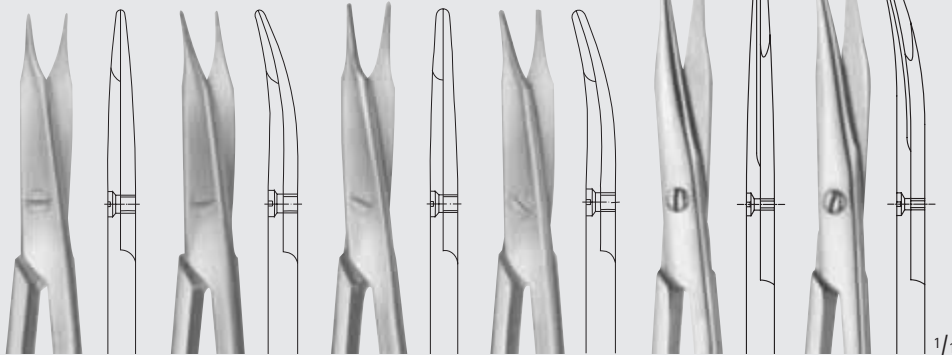
STEVENS

OK366R

feine Präparierschere

delicate dissecting scissors

110 mm, 4 3/8"



BC170R

110 mm

4 3/8"

spitz  
sharp

BC171R

110 mm

4 3/8"

spitz  
sharp

BC172R

110 mm

4 3/8"

stumpf  
blunt

BC173R

110 mm

4 3/8"

stumpf  
blunt

BC194R

125 mm

5"

stumpf  
blunt

BC195R

125 mm

5"

stumpf  
blunt

STEVENS

BC170R-BC195R

Gefäß- und Sehnenscheren

Vascular- and tendon scissors

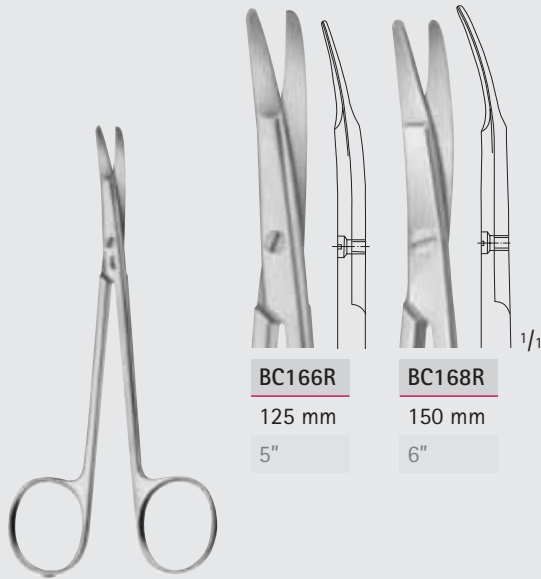






**Scheren – Scissors**  
 Präparierscheren, feine Modelle  
 Dissecting Scissors, Delicate Patterns

**BC**



**BC166R**

125 mm

5"

**BC168R**

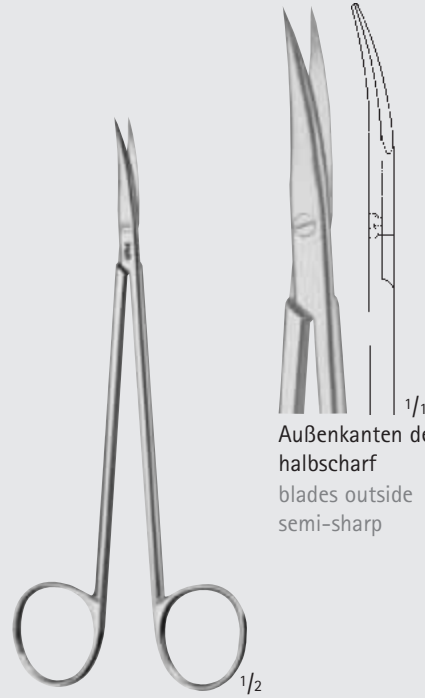
150 mm

6"

**KILNER**

**BC166R-BC168R**

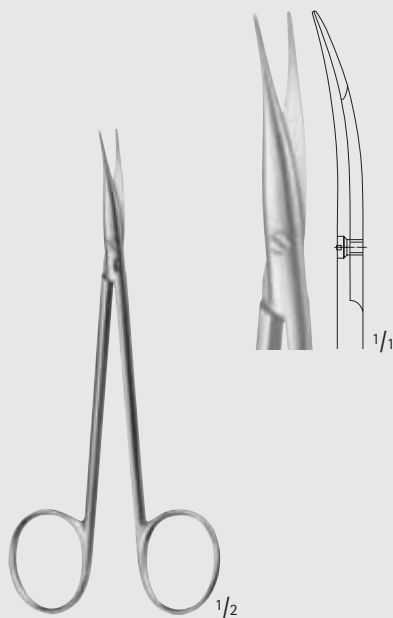
besonders flache Spitzen zum Präparieren  
 und Unterminieren der Haut  
 special flat points for dissecting and  
 undermining the skin



Außenkanten der Blätter  
 halbscharf  
 blades outside  
 semi-sharp

**BC628R**

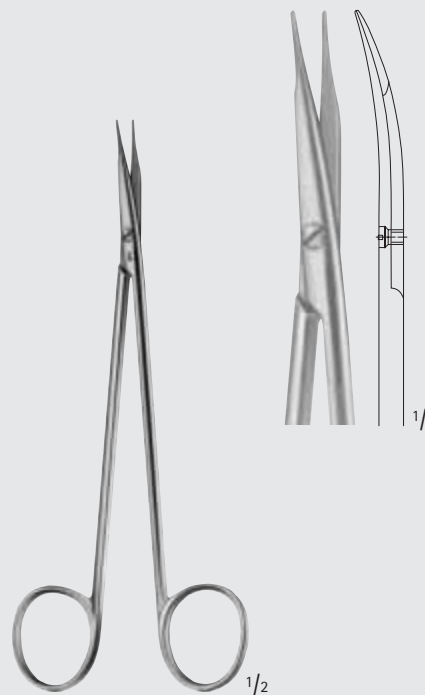
Nerv-Präparierschere  
 Nerve dissecting scissors  
 150 mm, 6"



**JAMESON-WERBER**

**BC175R**

Präparierschere  
 Dissecting scissors  
 130 mm, 5 1/8"



**JAMESON**

**BC177R**

Präparierschere  
 Dissecting scissors  
 150 mm, 6"

MILLIMETERS

## Scheren – Scissors

Präparierscheren, feine Modelle

Dissecting Scissors, Delicate Patterns

BC



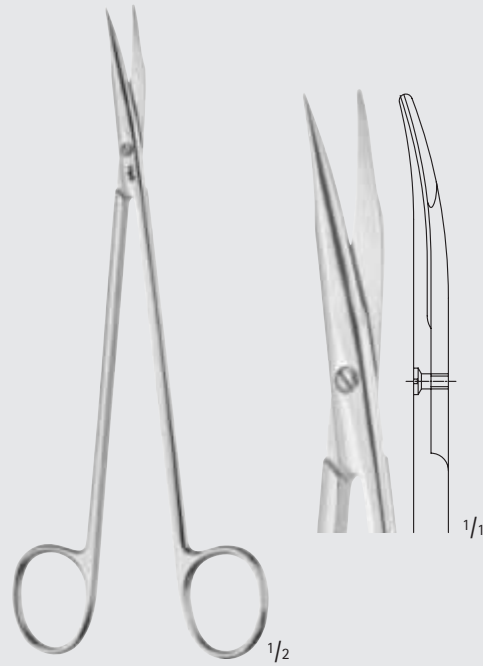
BC180R	BC181R
145 mm	175 mm
5 3/4"	7"

REYNOLDS

**BC180R-BC181R**

Präparierscheren

Dissecting scissors



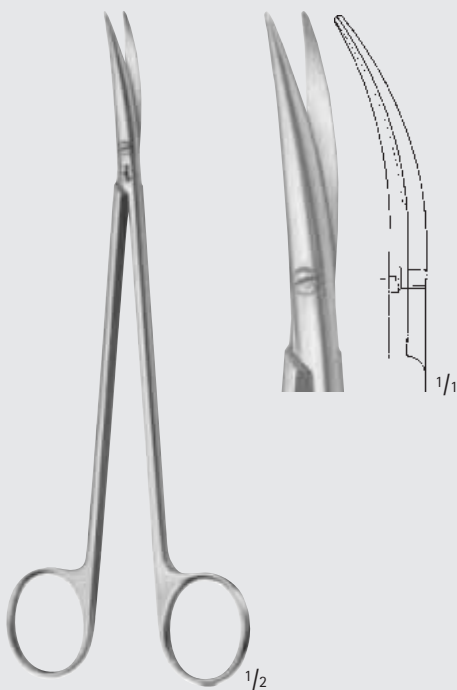
POTTS

**BC178R**

Präparierschere

Dissecting scissors

180 mm, 7"



DE BAKEY

**BC629R**

Arteriotomie-Schere

Arteriotomy scissors

175 mm, 7"



**BC630R**

sehr fein  
very delicate

**BC631R**

fein  
delicate

TÖNNIS-ADSON

**BC630R-BC631R**

Präparierscheren

Dissecting scissors

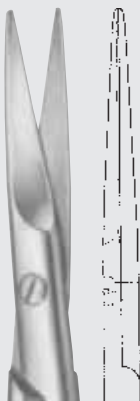
175 mm, 7"

**Scheren – Scissors**  
 Präparierscheren, feine Modelle  
 Dissecting Scissors, Delicate Patterns

BC



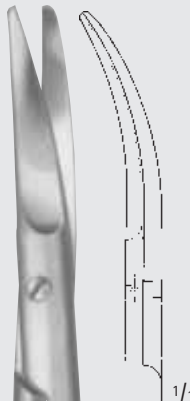
1/2



**BC633R**  
 sehr fein  
 very delicate



**BC634R**  
 fein  
 delicate



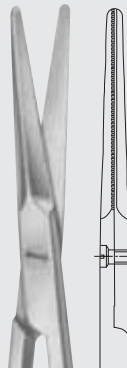
**BC635R**  
 fein  
 delicate

1/1

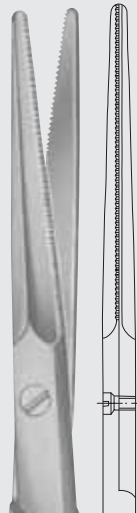
TÖNNIS

**BC633R-BC635R**

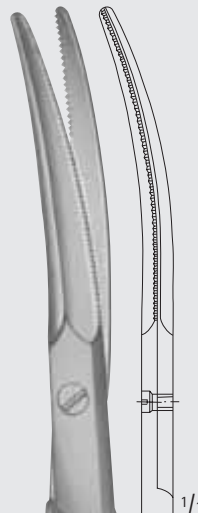
Präparierscheren  
 Dissecting scissors  
 180 mm, 7"



**BC184R**  
 125 mm  
 5"



**BC188R**  
 195 mm  
 7 3/4"



**BC189R**  
 195 mm  
 7 3/4"

1/1

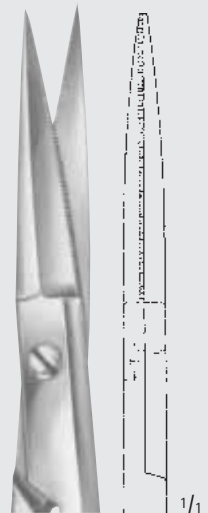
GORNEY

**BC184R-BC189R**

Präparierscheren für plastische Chirurgie  
 Schneiden: außen halbscharf  
 innen fein gezahnt  
 Dissection scissors for plastic surgery  
 Blades: outside semi-sharp  
 inside fine serrated



1/2



1/1

**BC672R**

Knorpelschere,  
 Blätter außen und innen schneidend  
 Cartilage scissors,  
 blades cutting on both sides  
 185 mm, 7 1/4"

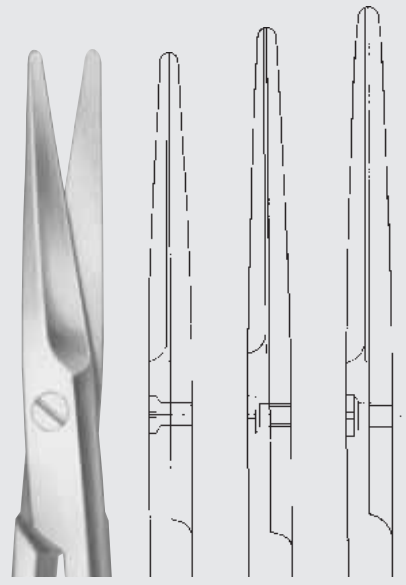


MILLIMETERS

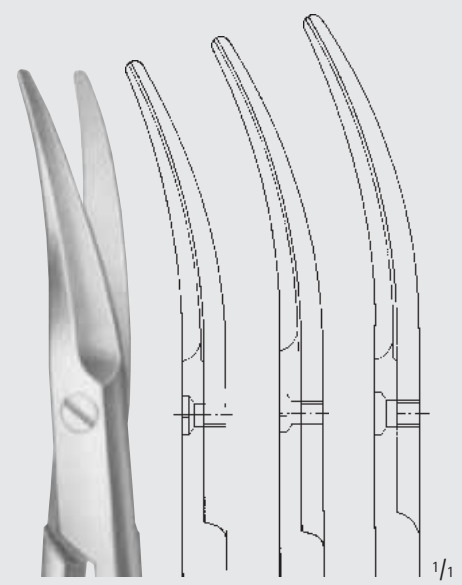
## Scheren – Scissors

Chirurgische und Präparierscheren  
Surgical and Dissecting Scissors

BC



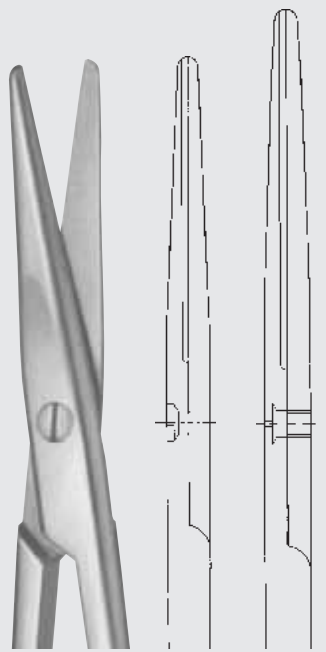
BC544R	BC545R	BC547R
140 mm	155 mm	170 mm
5 1/2"	6"	6 3/4"



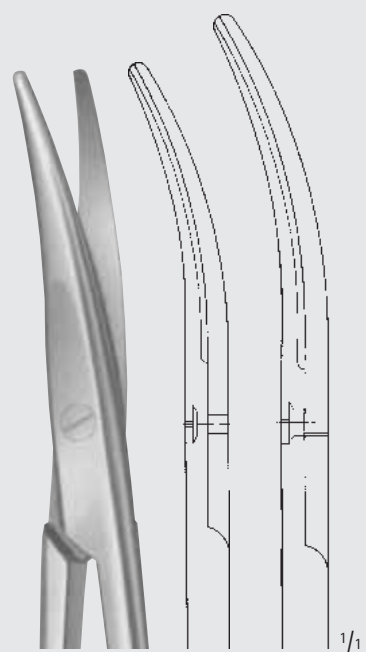
BC554R	BC555R	BC557R
140 mm	155 mm	170 mm
5 1/2"	6"	6 3/4"

MAYO

BC544R-BC557R



BC570R	BC572R
140 mm	170 mm
5 1/2"	6 3/4"

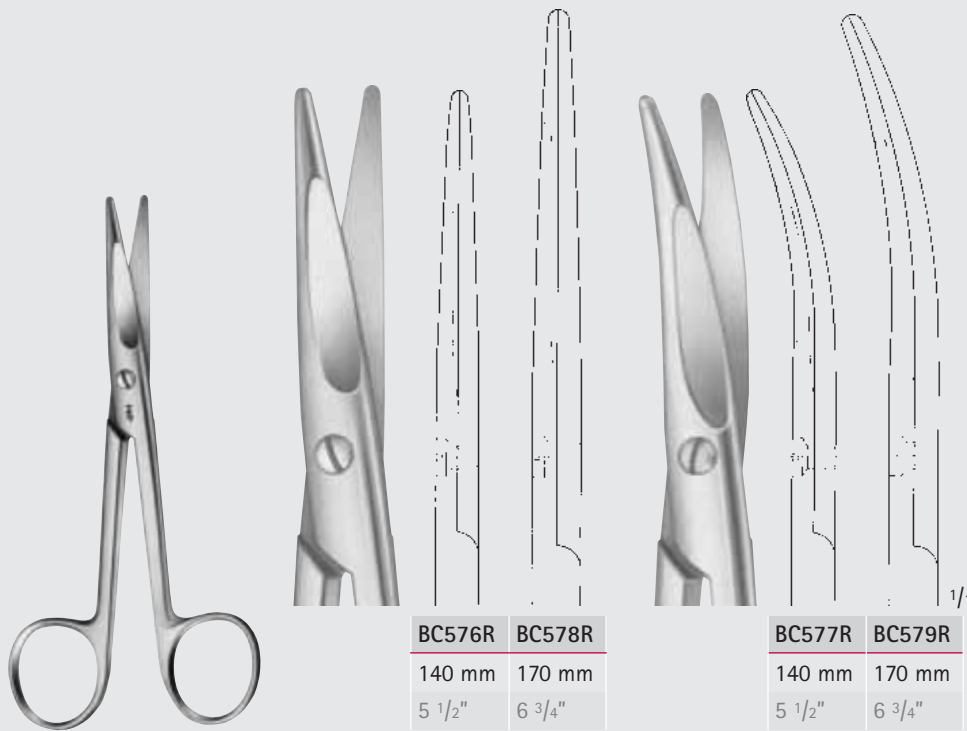
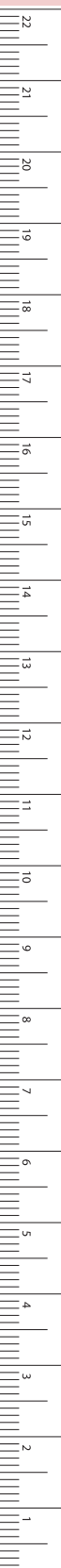


BC573R	BC575R
140 mm	170 mm
5 1/2"	6 3/4"

MAYO-STILLE

BC570R-BC575R





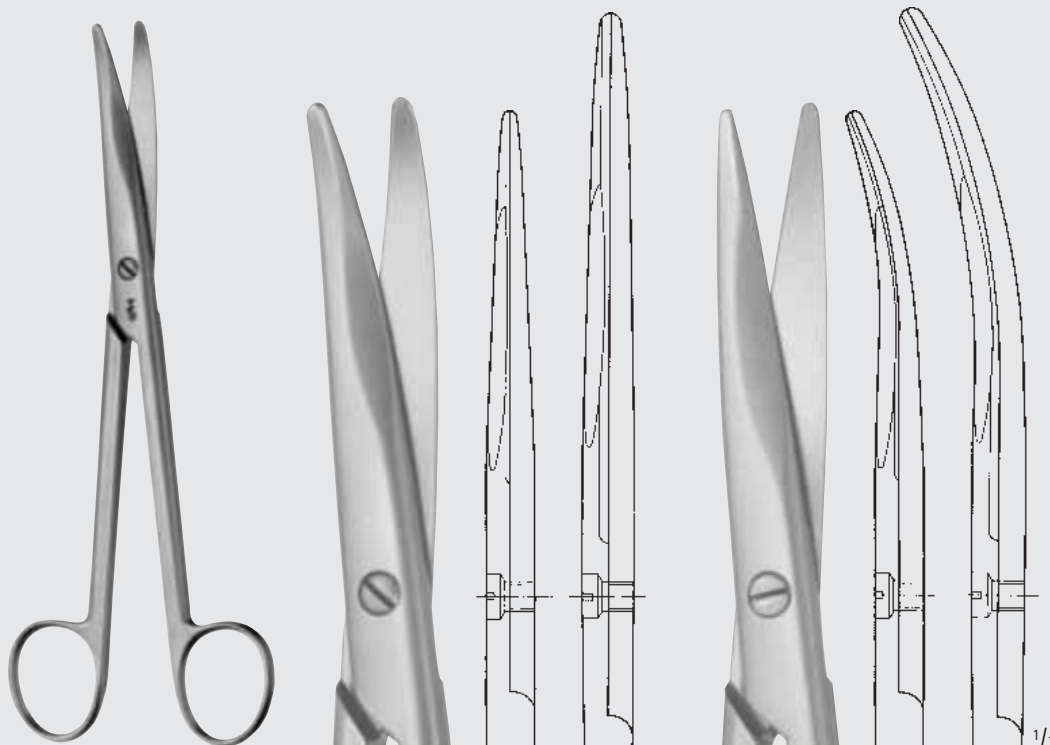
BC576R	BC578R
140 mm	170 mm
5 1/2"	6 3/4"

BC577R	BC579R
140 mm	170 mm
5 1/2"	6 3/4"

MAYO-STILLE

**BC576R-BC579R**

mit abgeschrägten Schneiden  
 with chamfered blades



BC562R	BC564R
190 mm	215 mm
7 1/2"	8 1/2"

BC563R	BC565R
190 mm	215 mm
7 1/2"	8 1/2"

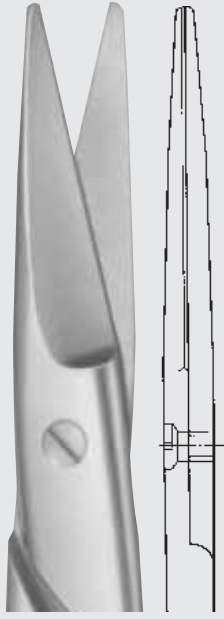
MAYO

**BC562R-BC565R**

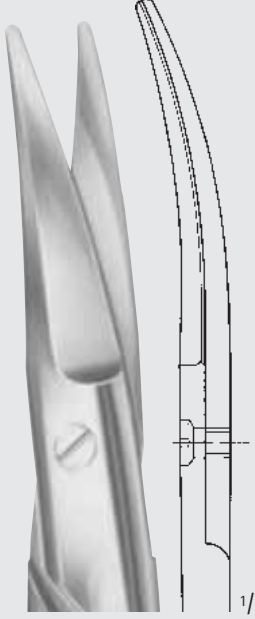
mit abgeschrägten Schneiden  
 with chamfered blades

Scheren – Scissors  
 Präparierscheren  
 Dissecting Scissors

BC



BC566R

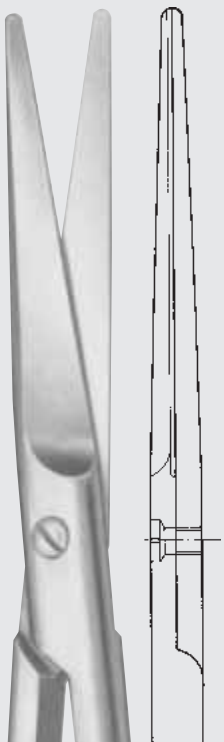


BC569R

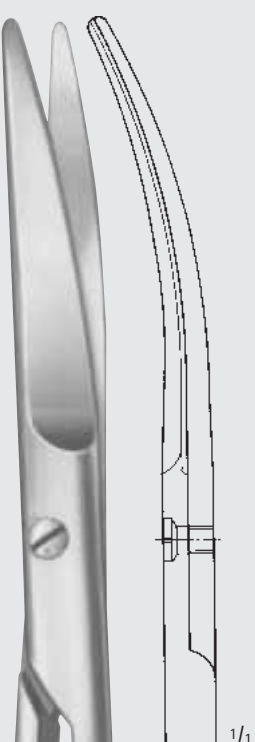
MAYO-NOBLE

BC566R-BC569R

breite Modelle  
 broad patterns  
 170 mm, 6 3/4"



BC560R

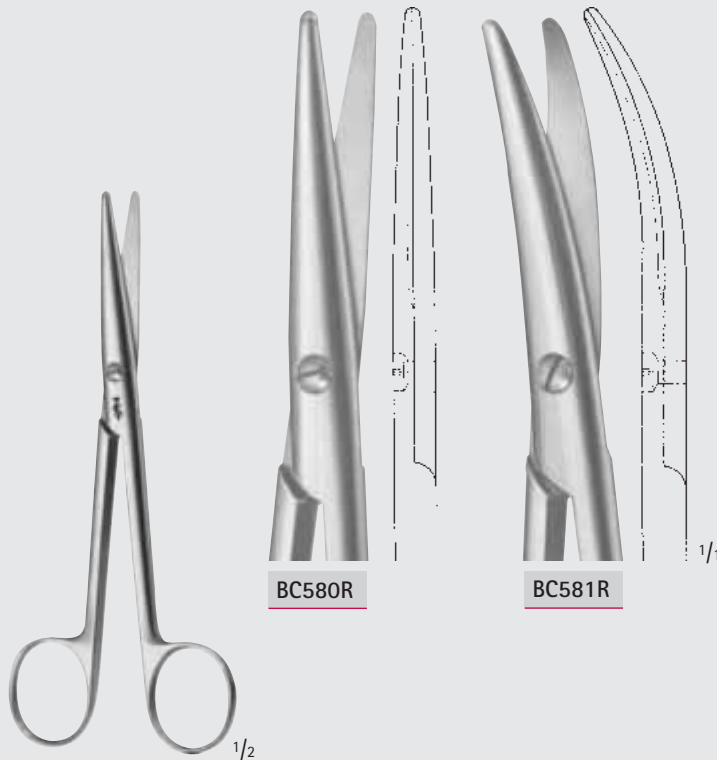


BC561R

MAYO-HARRINGTON

BC560R-BC561R

230 mm, 9"



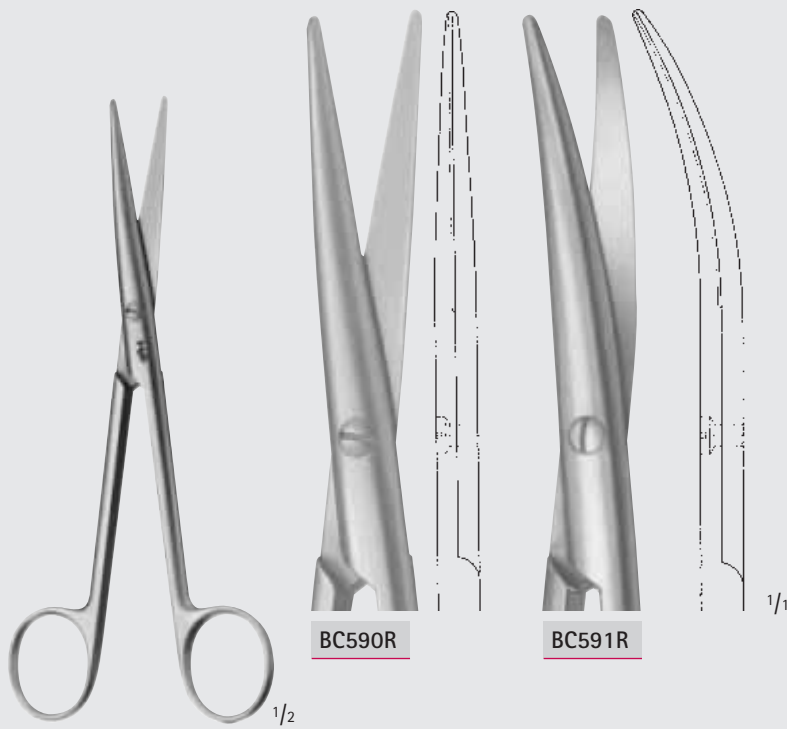
BC580R

BC581R

STILLE

BC580R-BC581R

150 mm, 6"



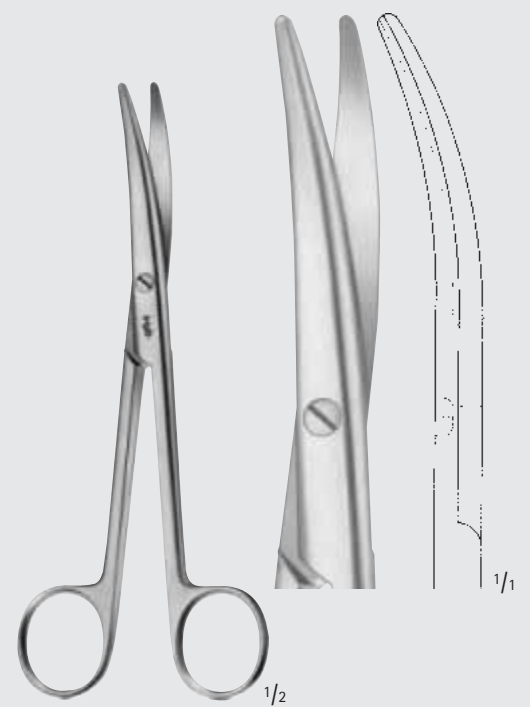
BC590R

BC591R

LEXER

BC590R-BC591R

schmal  
 narrow  
 165 mm, 6 1/2"



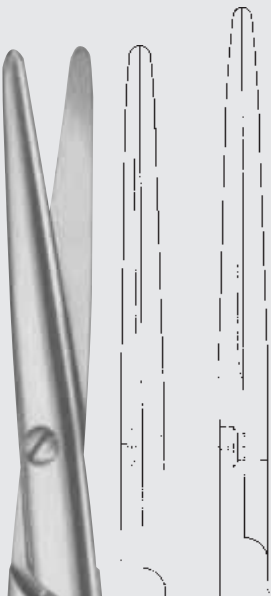
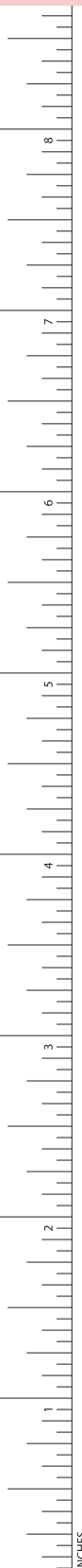
MAYO-LEXER

BC592R

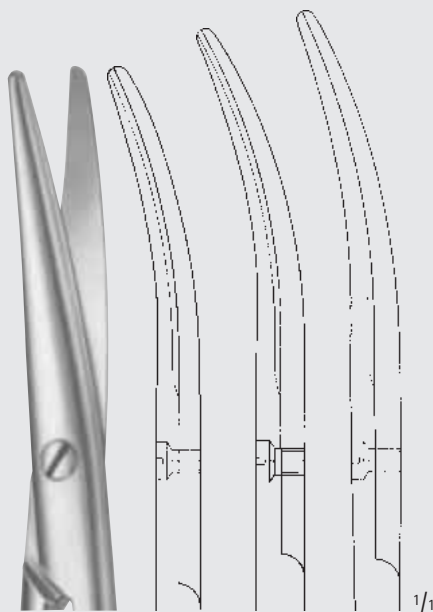
Standard-Modell  
 Standard pattern  
 165 mm, 6 1/2"

**Scheren – Scissors**  
 Präparierscheren  
 Dissecting Scissors

BC



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"



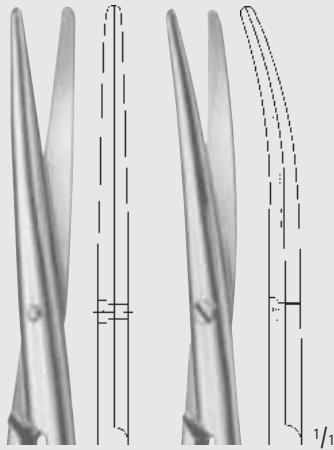
MAYO

BC584R-BC589R



Scheren – Scissors  
 Präparierscheren  
 Dissecting Scissors

BC



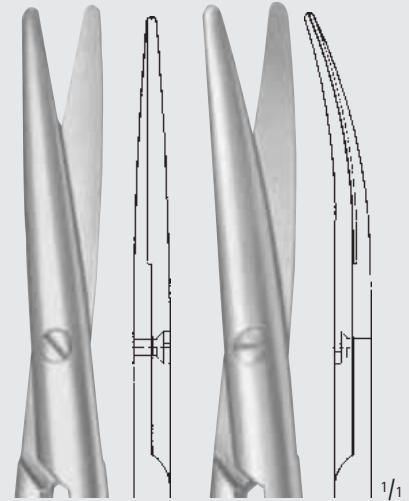
BC600R

BC603R

BABY-METZENBAUM

BC600R-BC603R

145 mm, 5 3/4"



BC680R

200 mm

8"

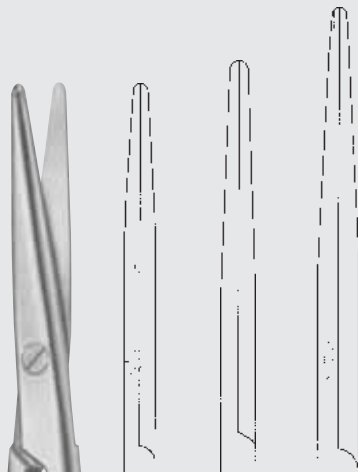
BC683R

160 mm

6 1/4"

METZENBAUM

BC680R-BC683R



BC601R

145 mm

5 3/4"

BC602R

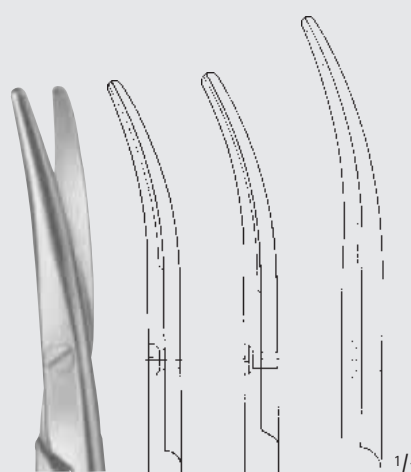
180 mm

7"

BC604R

200 mm

8"



BC605R

145 mm

5 3/4"

BC606R

180 mm

7"

BC607R

200 mm

8"

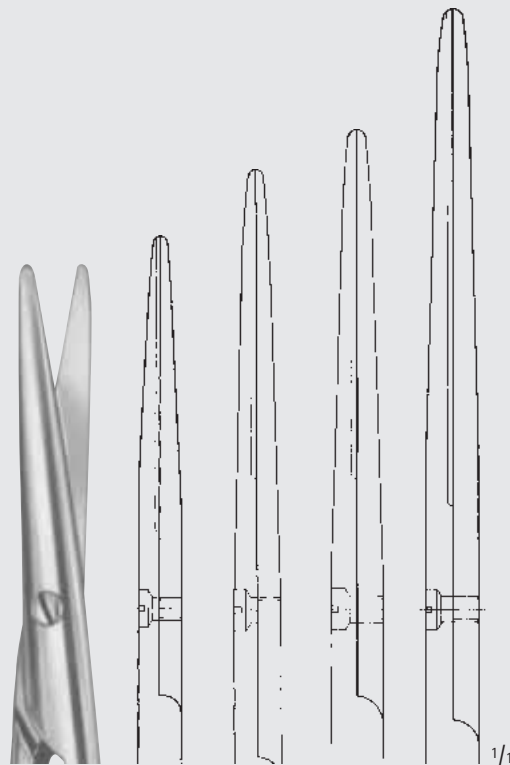
METZENBAUM

BC601R-BC607R

MILLIMETERS

**Scheren – Scissors**  
 Präparierscheren  
 Dissecting Scissors

**BC**



BC611R	BC612R	BC613R	BC614R
230 mm	250 mm	280 mm	305 mm
9"	10"	11"	12"



BC615R	BC616R	BC618R	BC619R	BC625R
230 mm	250 mm	280 mm	305 mm	350 mm
9"	10"	11"	12"	14"

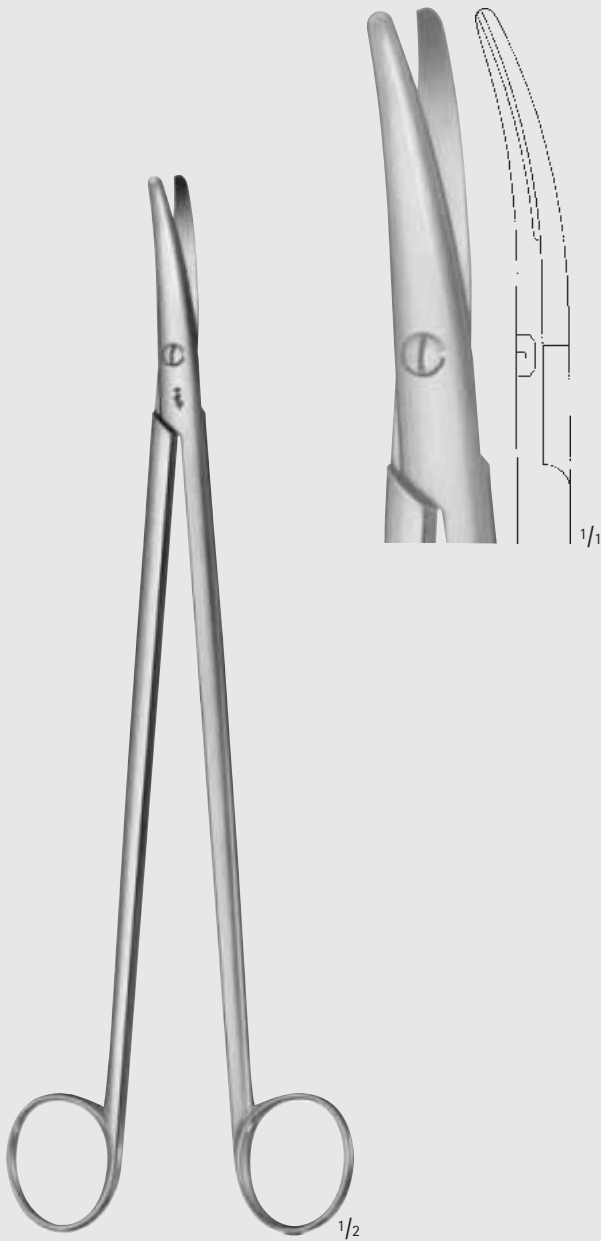
**NELSON-METZENBAUM**

**BC611R-BC625R**

## Scheren – Scissors

Präparierscheren, Kapselscheren  
Dissecting Scissors, Cartilage Scissors

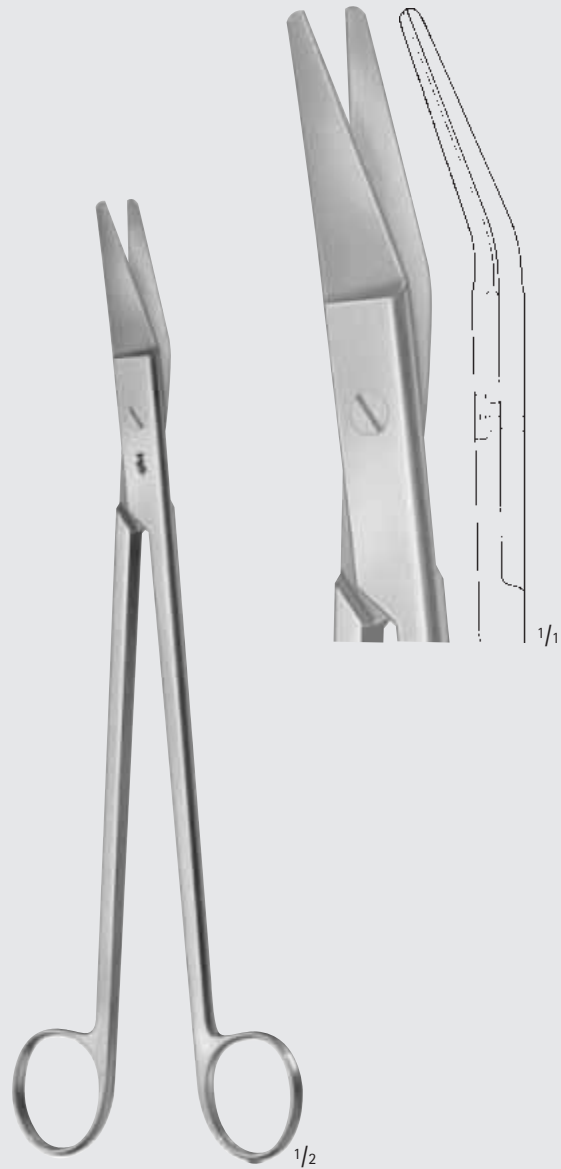
BC



WELLER

**BC620R**

Präparierschere, kräftiges Modell  
Dissecting scissors, heavy pattern  
280 mm, 11"



RESANO

**BC595R**

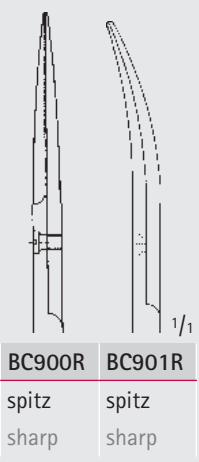
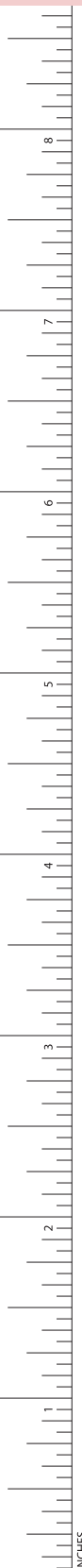
Kapselschere  
Cartilage scissors  
250 mm, 10"



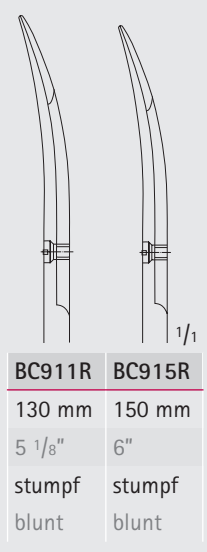
MILLIMETERS

Scheren – Scissors  
 SuperCut Scheren  
 SuperCut Scissors

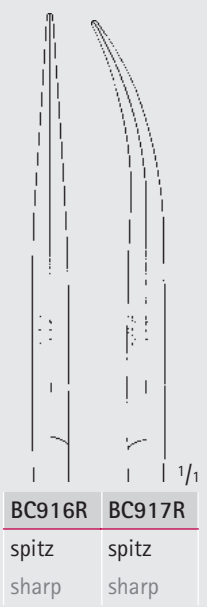
BC



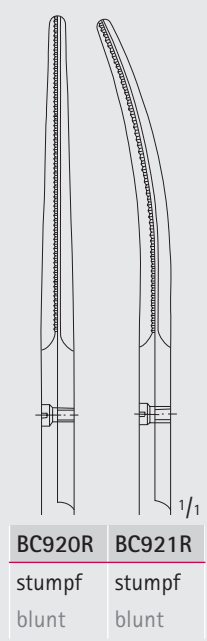
BC900R-BC901R  
 110 mm, 4 3/8"



JAMESON  
 BC911R-BC915R



JOSEPH  
 BC916R-BC917R  
 150 mm, 6"

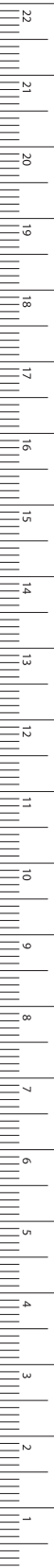


GORNEY  
 BC920R-BC921R  
 195 mm, 7 3/4"

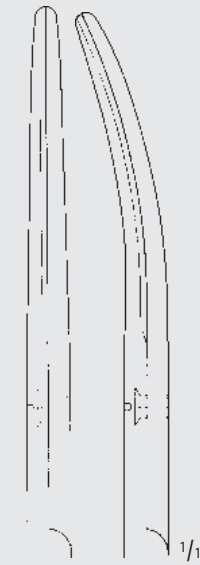


Scheren – Scissors  
 SuperCut Scheren  
 SuperCut Scissors

BC



MILLIMETERS

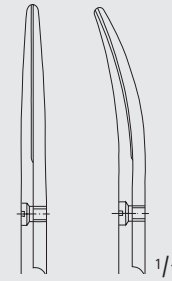


BC924R BC925R

MAYO

BC924R-BC925R

165 mm, 6 1/2"

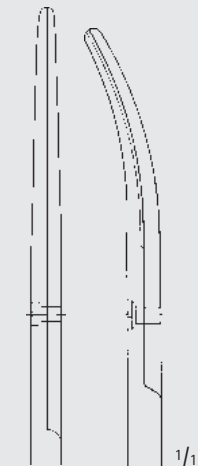


BC930R BC931R

BABY-METZENBAUM

BC930R-BC931R

115 mm, 4 1/2"



BC934R BC937R

145 mm 180 mm

5 3/4" 7"

METZENBAUM

BC934R-BC937R

## Scheren – Scissors

DUROTIP® Feine Scheren

DUROTIP® Delicate Scissors

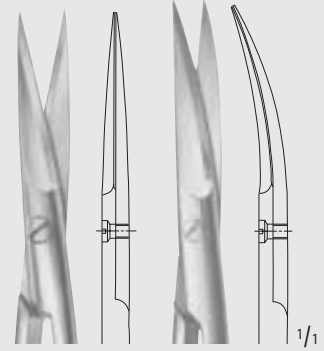


DUROTIP®-Scheren  
mit eingesetzten Hartmetall-Schneiden

- 3 Jahre Garantie!
- Hervorragende Schnitthaltigkeit
- Lange Lebensdauer
- Vergoldete Ring

DUROTIP® Scissors  
with inserted carbide cutting edges

- 3 years guarantee!
- Excellent cutting accuracy
- Long working life
- Gold-plated rings



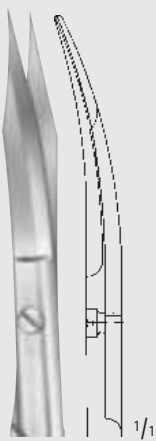
BC210R

BC211R



BC210R-BC211R

Fadenscheren  
Ligature scissors  
110 mm, 4 3/8"



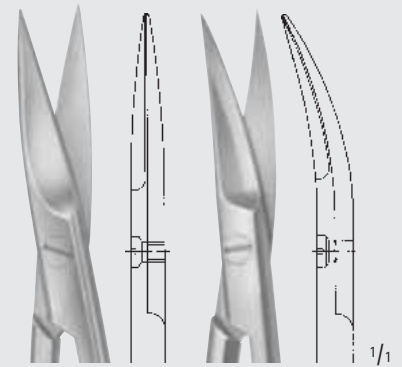
1 Schneide gezahnt  
1 blade serrated



GOLDMAN-FOX

DO250R

130 mm, 5 1/8"



DO208R

DO209R

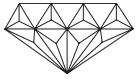


DO208R-DO209R

120 mm, 4 3/4"

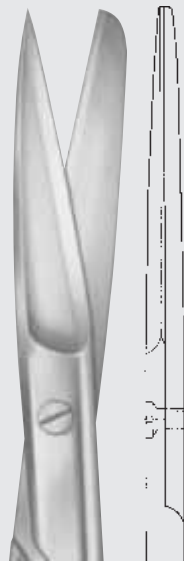
BC



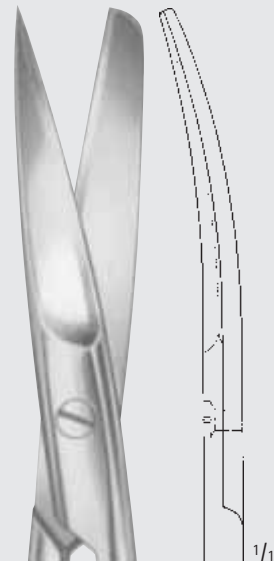


Scheren – Scissors  
 DUROTIP® Chirurgische Scheren  
 DUROTIP® Surgical Scissors

BC

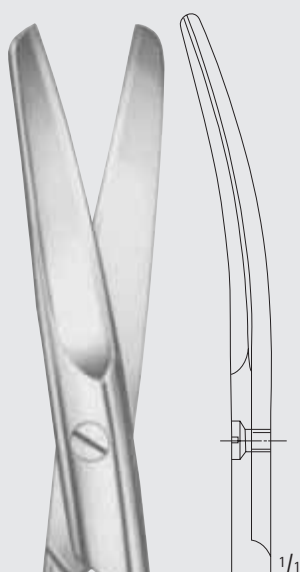


BC224R

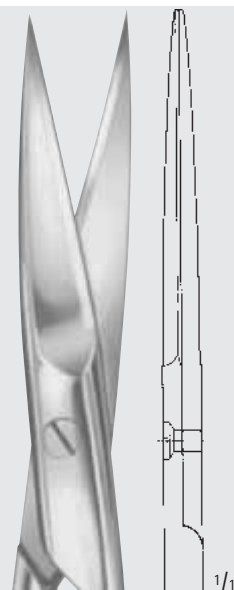
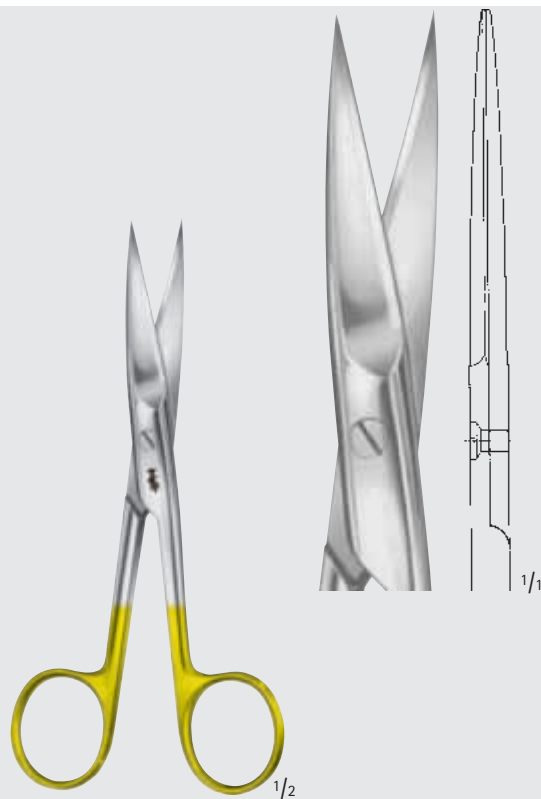


BC234R

BC224R-BC234R  
 145 mm, 5 3/4"



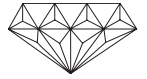
BC231R  
 145 mm, 5 3/4"



BC228R  
 145 mm, 5 3/4"

MILLIMETERS

**Scheren – Scissors**  
**DUROTIP® Präparierscheren**  
**DUROTIP® Dissecting Scissors**



**BC**

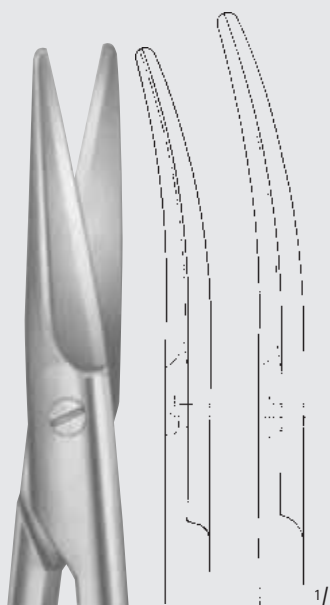


MAYO

**BC250R-BC253R**



BC250R	BC252R
140 mm	170 mm
5 1/2"	6 3/4"



BC251R	BC253R
140 mm	170 mm
5 1/2"	6 3/4"

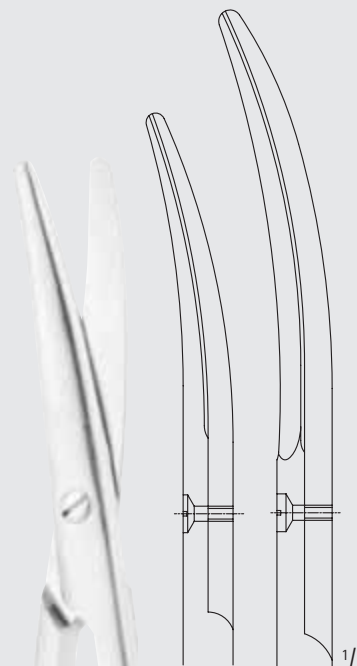


MAYO

**BC242R-BC559R**



BC242R	BC558R
170 mm	230 mm
6 3/4"	9"



BC243R	BC559R
170 mm	230 mm
6 3/4"	9"



**LEXER**  
**BC283R**  
 schmal  
 narrow  
 165 mm, 6 1/2"

**MAYO-LEXER**  
**BC284R**  
 165 mm, 6 1/2"

**BC256R-BC257R**  
 115 mm, 4 1/2"



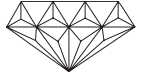
MILLIMETERS

Scheren – Scissors

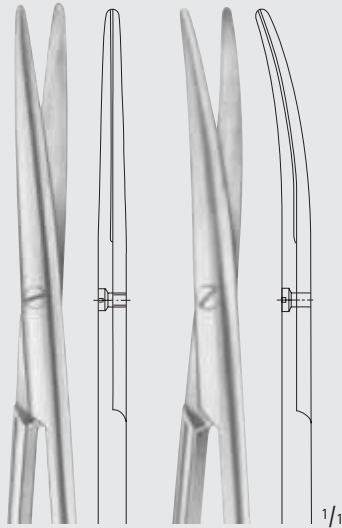
DUROTIP® Präparierscheren

DUROTIP® Dissecting Scissors

»grazil«



BC



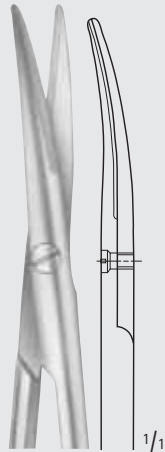
BC258R

BC259R

BABY-METZENBAUM

BC258R-BC259R

145 mm, 5 3/4"

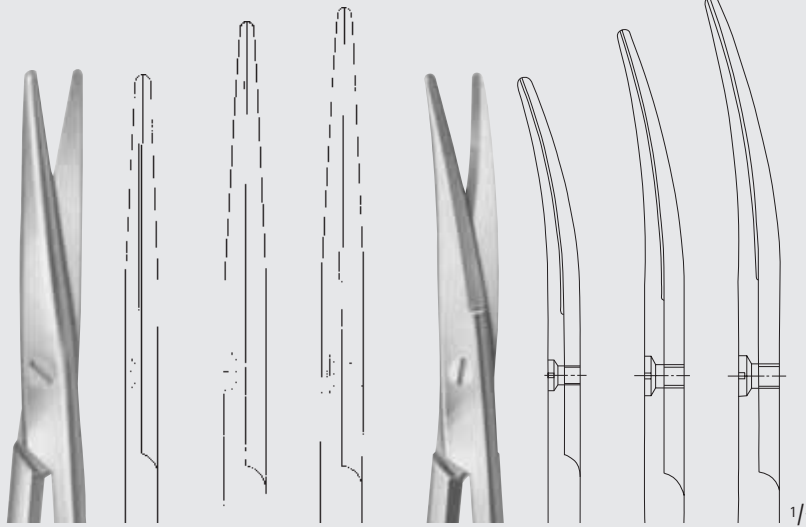
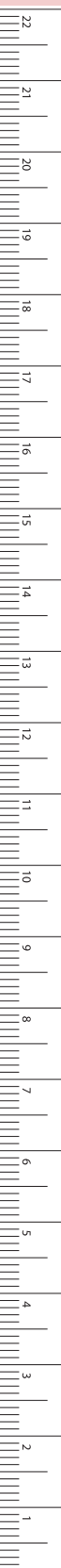


TÖNNIS-ADSON

BC273R

175 mm, 7"



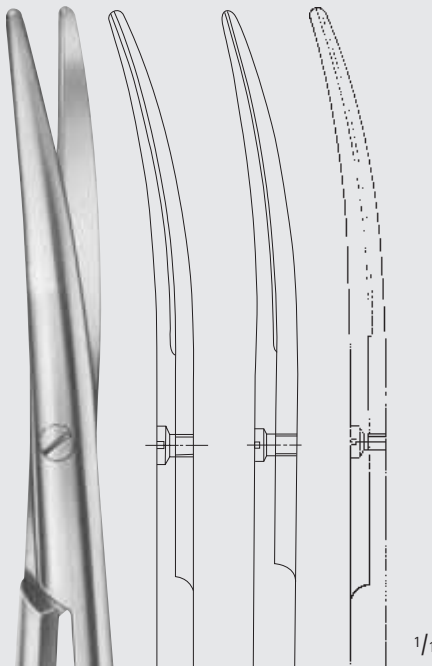


BC270R	BC274R	BC276R
180 mm	200 mm	230 mm
7"	8"	9"

BC271R	BC275R	BC277R
180 mm	200 mm	230 mm
7"	8"	9"

METZENBAUM

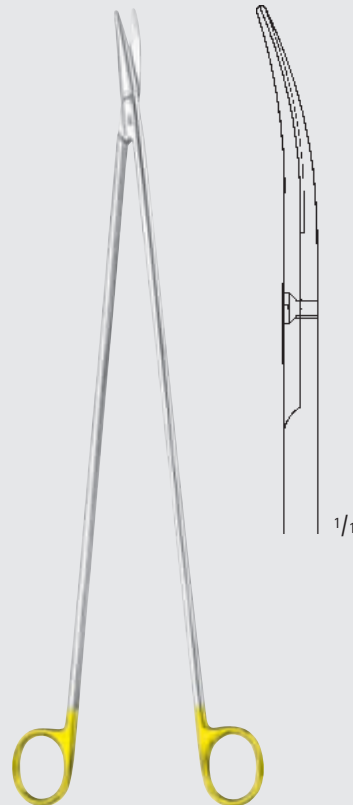
BC270R-BC277R



BC279R	BC281R	BC282R
260 mm	280 mm	285 mm
10 1/4"	11"	11 1/4"

NELSON-METZENBAUM

BC279R-BC285R

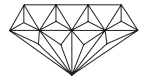


NELSON-METZENBAUM

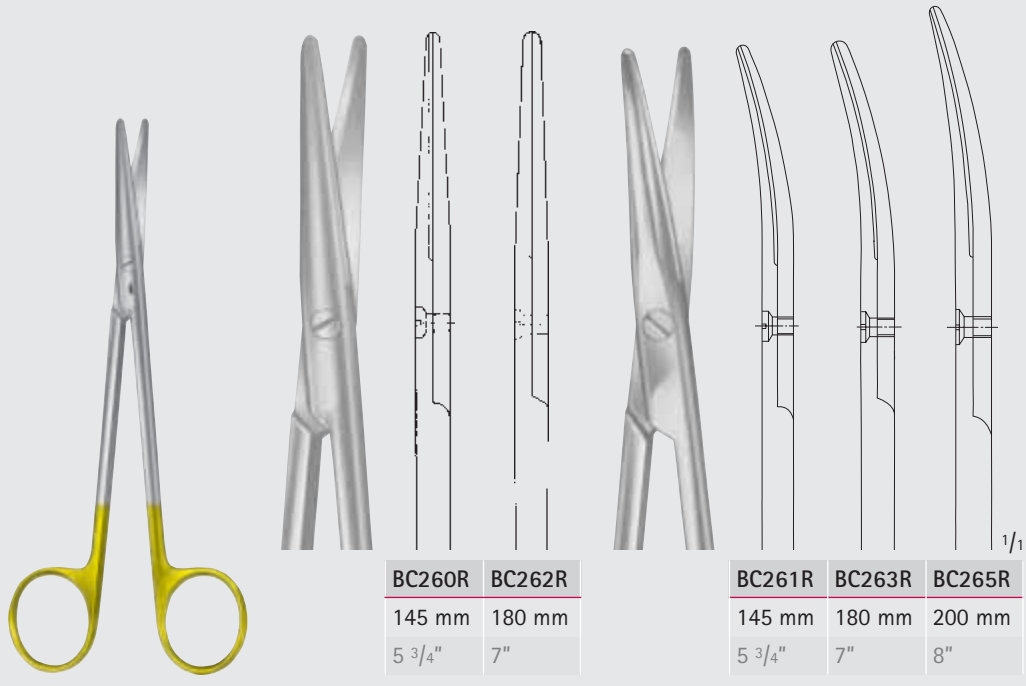
BC285R

350 mm, 14"

**Scheren – Scissors**  
 DUROTIP® Präparierscheren  
 DUROTIP® Dissecting Scissors

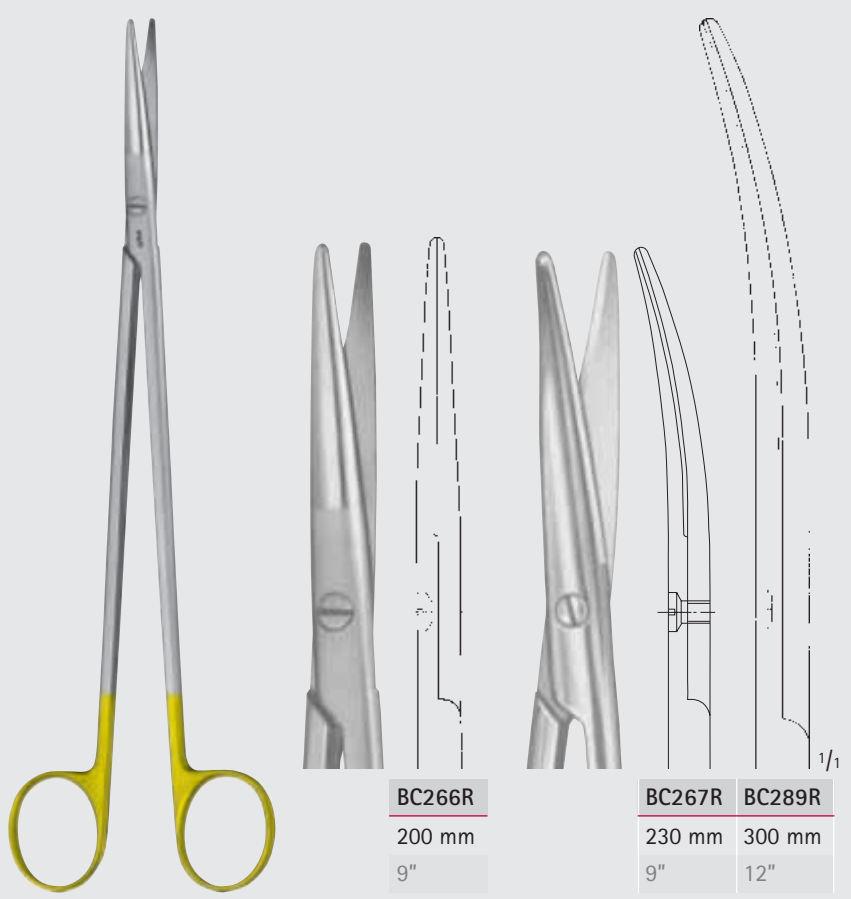


**BC**



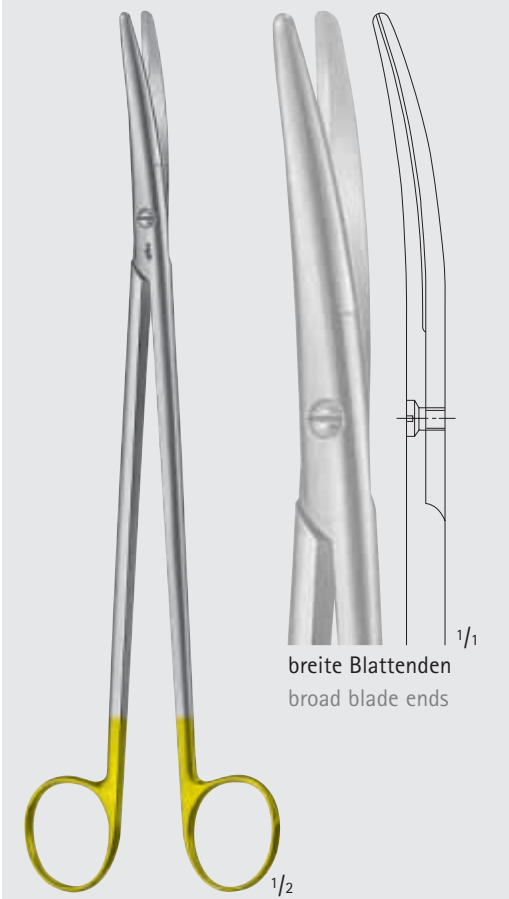
<b>BC260R</b>	<b>BC262R</b>	<b>BC261R</b>	<b>BC263R</b>	<b>BC265R</b>
145 mm	180 mm	145 mm	180 mm	200 mm
5 3/4"	7"	5 3/4"	7"	8"

**METZENBAUM**  
**BC260R-BC265R**



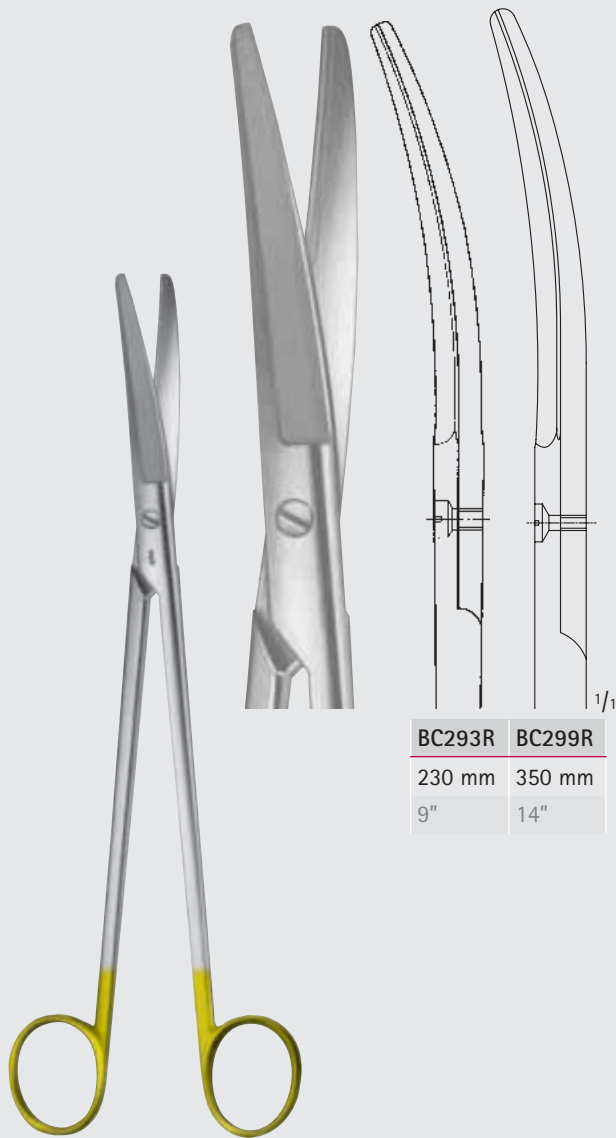
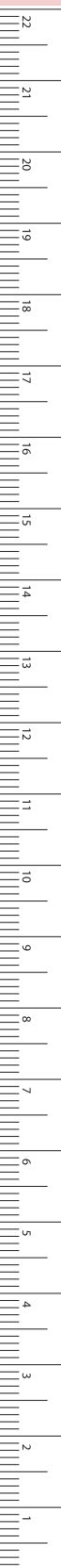
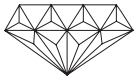
<b>BC266R</b>	<b>BC267R</b>	<b>BC289R</b>
200 mm	230 mm	300 mm
9"	9"	12"

**NELSON-METZENBAUM (MC INDOE)**  
**BC266R-BC289R**



breite Blattenden  
 broad blade ends

**METZENBAUM**  
**BC287R**  
 230 mm, 9"

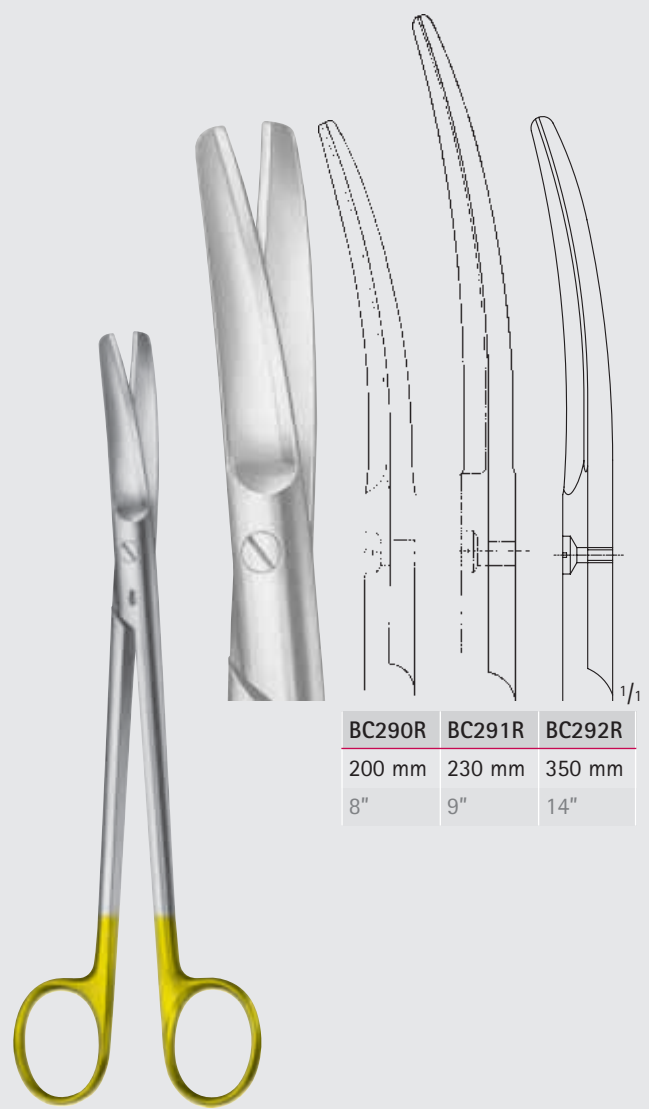


BC293R	BC299R
230 mm	350 mm
9"	14"

WERTHEIM

**BC293R-BC299R**

Präparierscheren  
 Dissecting scissors



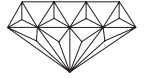
BC290R	BC291R	BC292R
200 mm	230 mm	350 mm
8"	9"	14"

SIMS

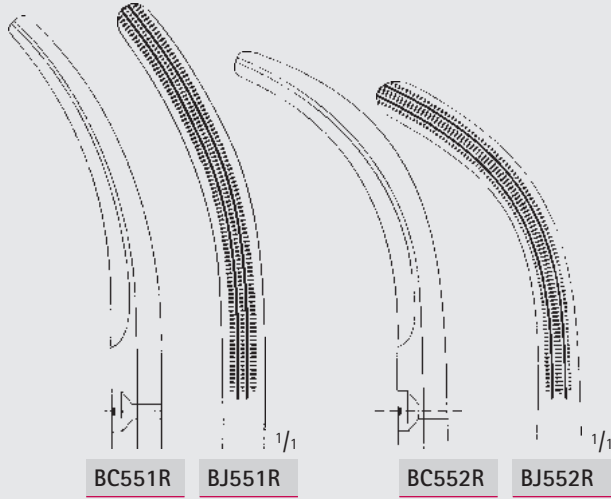
**BC290R-BC292R**

Uterusscheren  
 Uterine scissors

**Scheren – Scissors**  
 DUROTIP® Scheren  
 DUROTIP® Scissors



**BC**



**BC551R**

**BJ551R**

**BC552R**

**BJ552R**



**BC551R**

255 mm

10"

**BC552R**

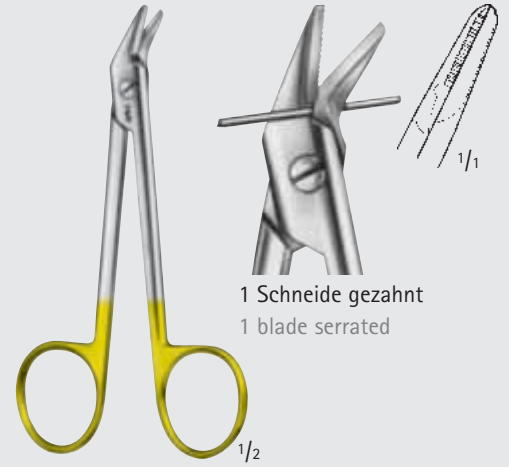
255 mm

10"

**BC551R-BJ552R**

Hysterektomiescheren, stark gebogen, passend zu den Parametriumklammern BJ551R und BJ552R.

Hysterectomy scissors, strongly curved, fitting parametrium clamps BJ551R and BJ552R.



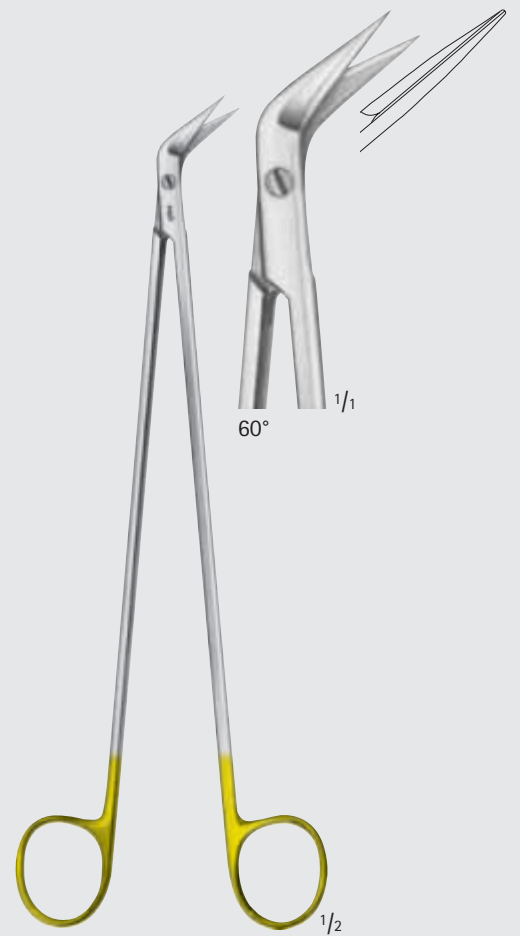
1 Schneide gezahnt  
 1 blade serrated

**DP552R**

Draht- und Bleischere

Wire cutting scissors

120 mm, 4 3/4"



60°

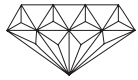
DE BAKEY

**BC245R**

Gefäßschere

Vascular scissors

220 mm, 8 3/4"



## Scheren – Scissors

DUROTIP® Scheren mit **W**ellenschliff  
DUROTIP® **W**avecut Scissors

**W**ellenschliff  
verhindert das Herausgleiten  
des Gewebes

**W**avecut  
prevents tissue  
from slipping out



Artikel mit dem Zusatz **W**  
sind auf einer Schnittfläche  
mit Wellenschliff versehen  
(bei Bestellungen bitte an-  
geben - z.B. BC211W)

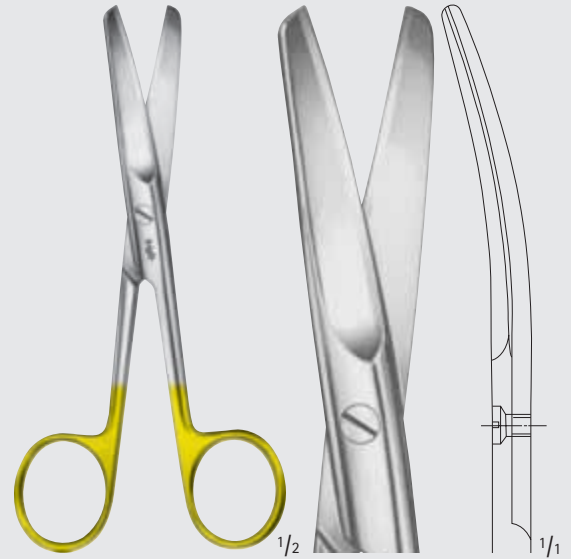
**W** directly after the  
catalog number indicates  
that the resp. item has one  
serrated cutting edge.  
(When ordering please  
indicate together with the  
catalog number e.g.  
BC211W)

»grazil«



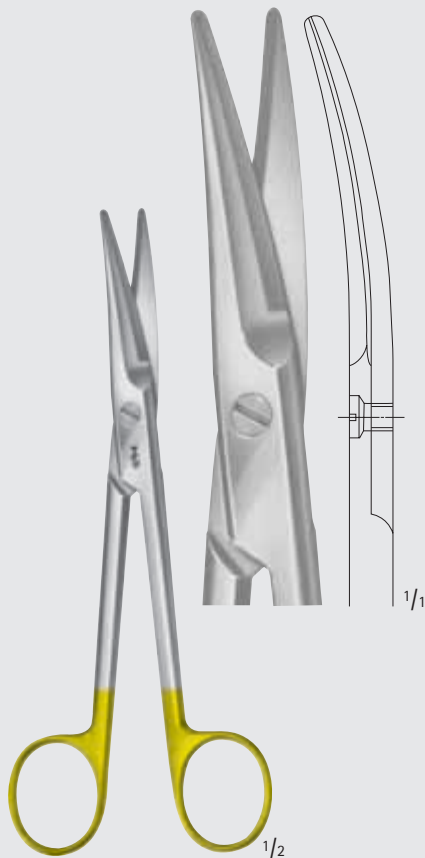
**BC211W**

Fadenschere  
Ligature scissors  
110 mm, 4 3/8"



**BC231W**

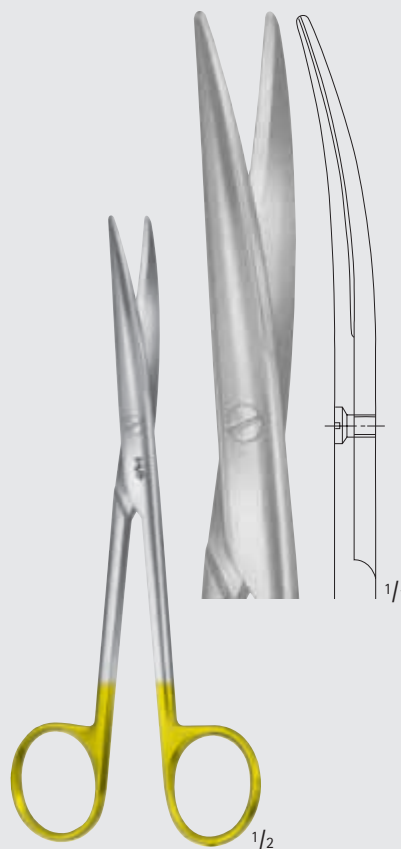
Chirurgische Schere  
Surgical Scissors  
145 mm, 5 3/4"



MAYO

**BC253W**

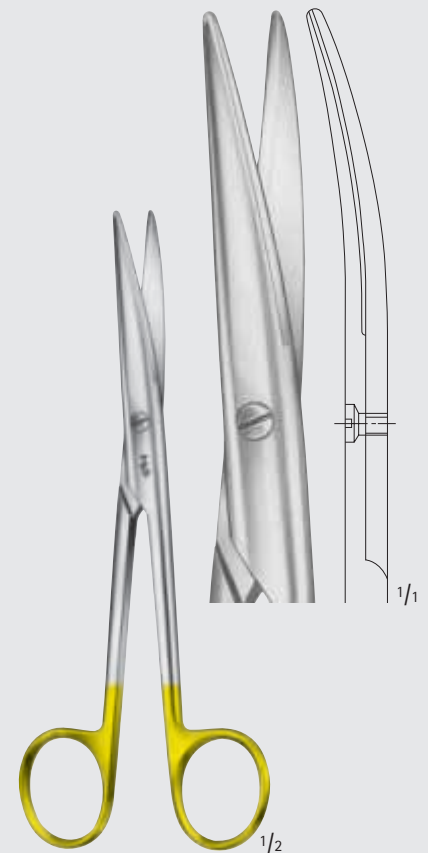
Präparierschere  
Dissecting scissors  
170 mm, 6 3/4"



LEXER

**BC283W**

Präparierschere, schmal  
Dissecting scissors, slender  
165 mm, 6 1/2"

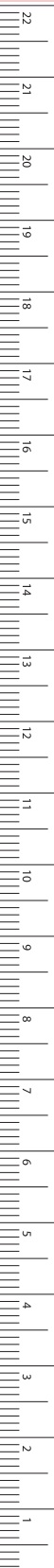


MAYO-LEXER

**BC284W**

Präparierschere  
Dissecting scissors  
165 mm, 6 1/2"

BC

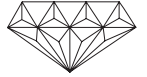


MILLIMETERS

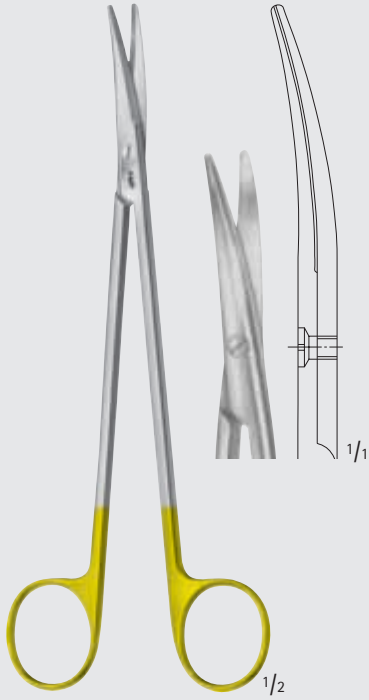
## Scheren – Scissors

DUROTIP® Präparierscheren mit **W**ellenschliff  
 DURTIP® **W**avecut Dissecting Scissors

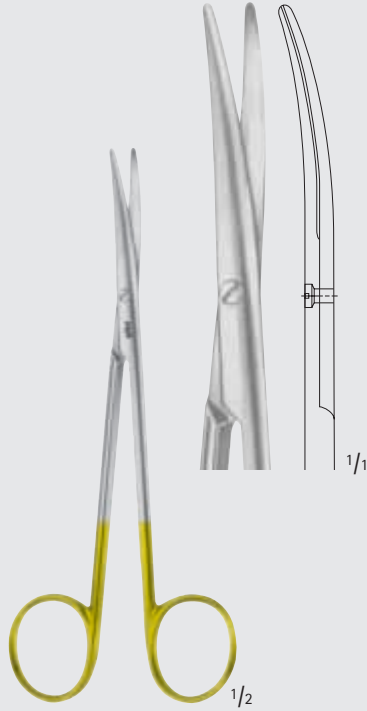
»grazil«



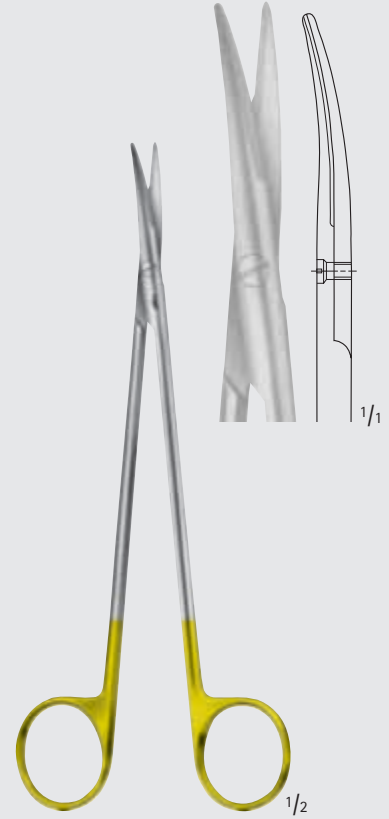
BC



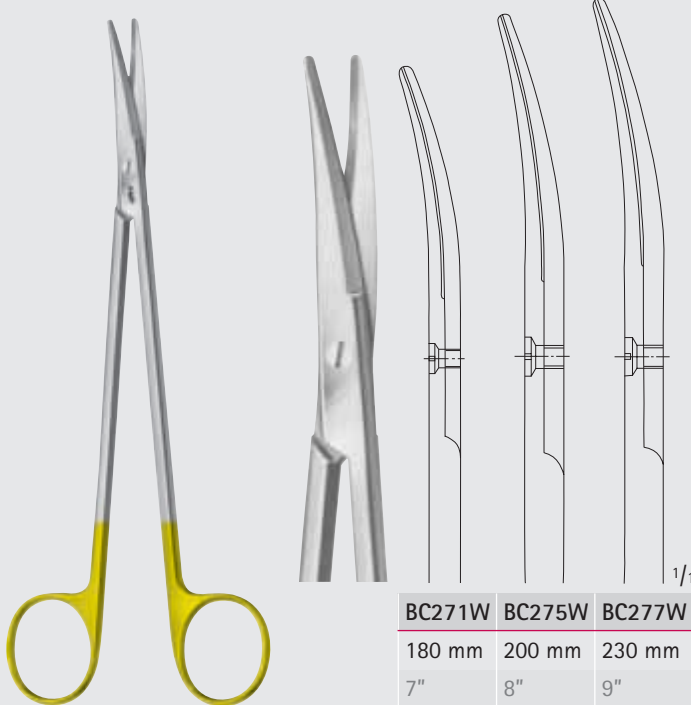
**BC257W**  
 115 mm, 4 1/2"



**BABY-METZENBAUM**  
**BC259W**  
 145 mm, 5 3/4"

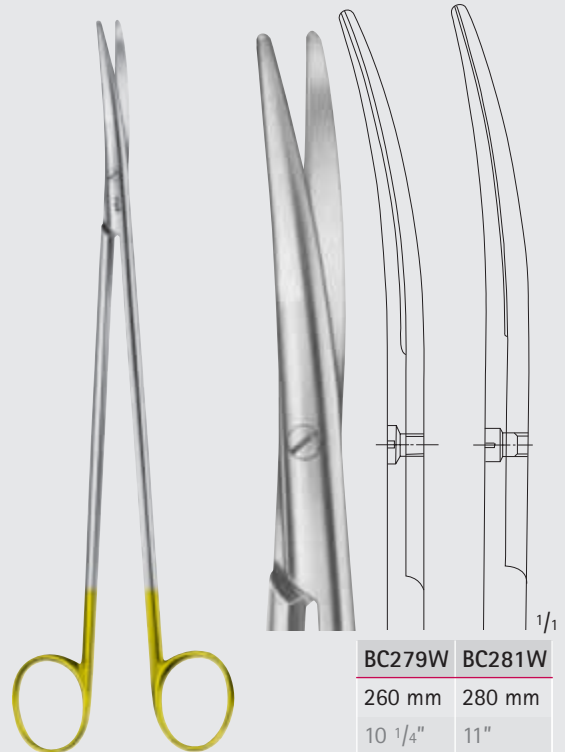


**TÖNNIS-ADSON**  
**BC273W**  
 175 mm, 7"



**METZENBAUM**  
**BC271W-BC277W**

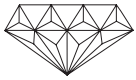
BC271W	BC275W	BC277W
180 mm	200 mm	230 mm
7"	8"	9"



**NELSON-METZENBAUM**  
**BC279W-BC281W**

BC279W	BC281W
260 mm	280 mm
10 1/4"	11"

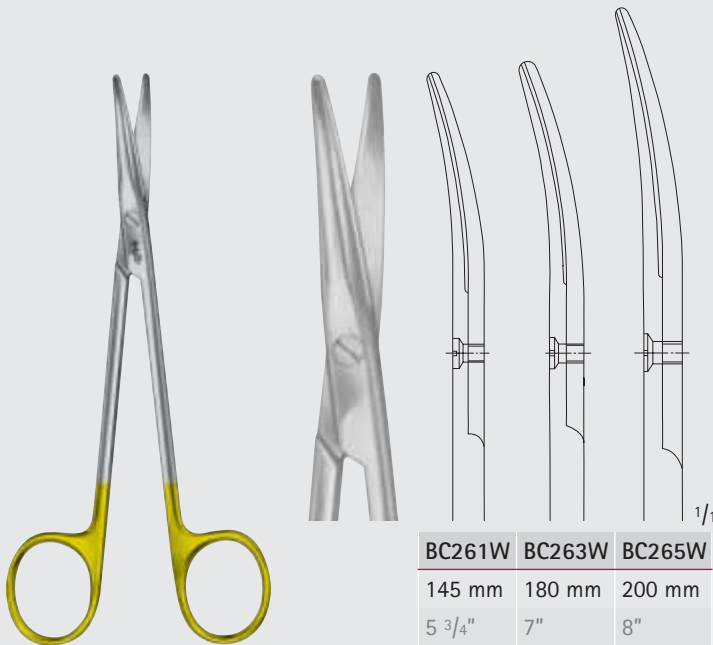




## Scheren – Scissors

DUROTIP® Präparierscheren mit Wellenschliff  
DUROTIP® Wavecut Dissecting Scissors

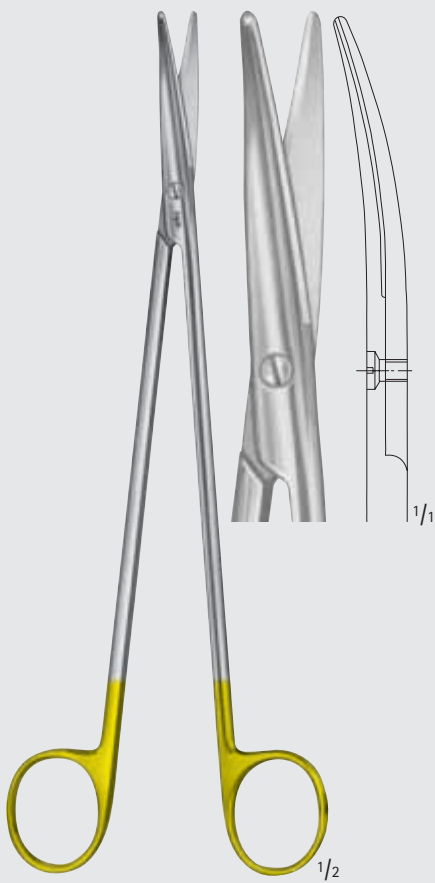
BC



BC261W	BC263W	BC265W
145 mm	180 mm	200 mm
5 3/4"	7"	8"

METZENBAUM

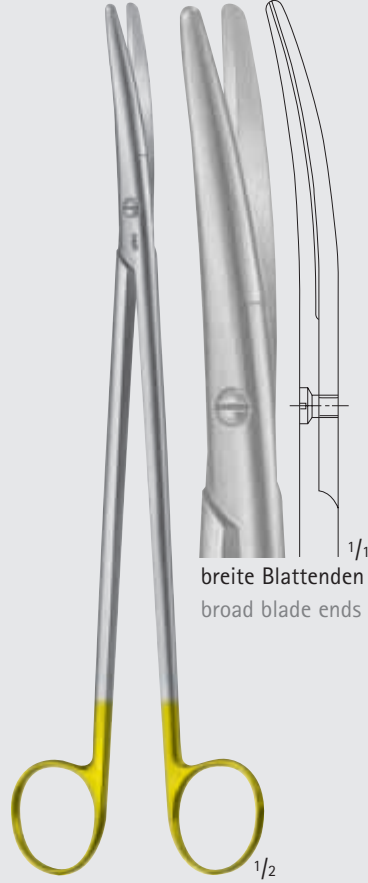
BC261W-BC265W



NELSON-METZENBAUM

BC267W

230 mm, 9"

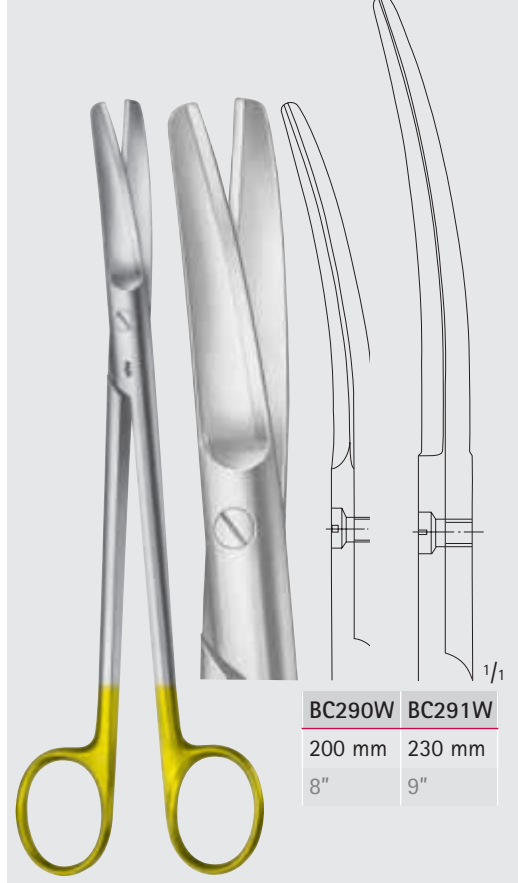


breite Blattenden  
broad blade ends

METZENBAUM

BC287W

230 mm, 9"

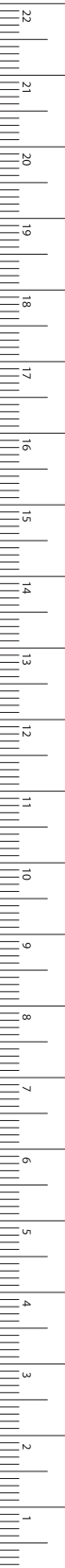


BC290W	BC291W
200 mm	230 mm
8"	9"

SIMS

BC290W-BC291W

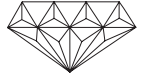
Uterusscheren  
Uterine scissors



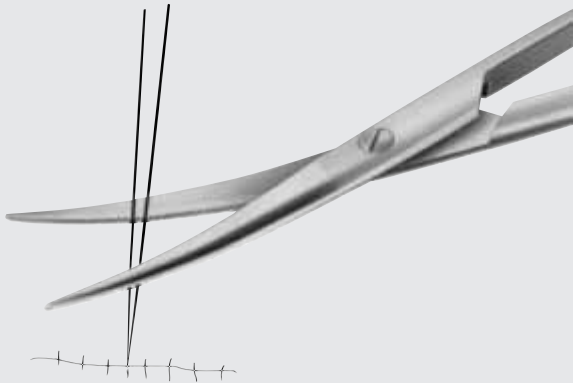
## Scheren – Scissors

DUROTIP® Ligaturscheren mit Wellenschliff

DUROTIP® Wavecut Ligature Scissors



BC



speziell zum Schneiden von Nahtmaterial

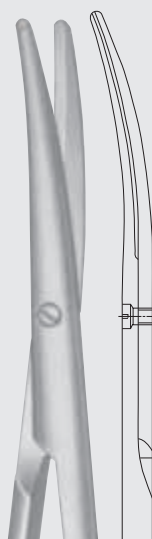
- Hartmetalleinlagen gewähren dauerhafte Schnittschärfe (auch im distalen Bereich der Scherenblätter)
- der Spezial-Wellenschliff verhindert das Abgleiten des Nahtmaterials
- DUROTIP®-Ligaturscheren sind gekennzeichnet mit 1 vergoldeten Ring

especially for cutting suture materials

- Carbide inserts guarantee permanent 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



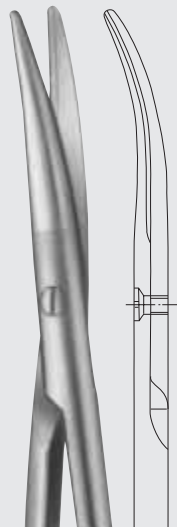
BC294W-BC298W



BC294W

145 mm

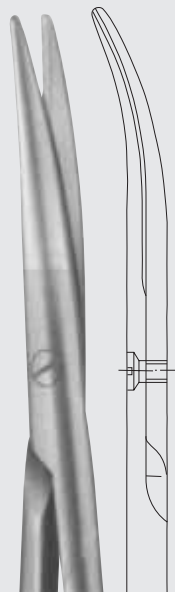
5 3/4"



BC295W

180 mm

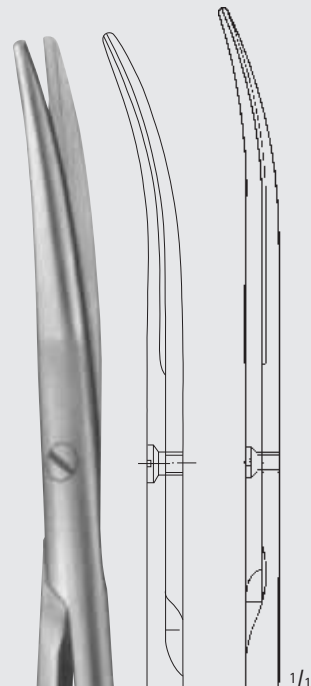
7"



BC296W

230 mm

9"



BC297W

260 mm

10 1/4"

BC298W

350 mm

14"

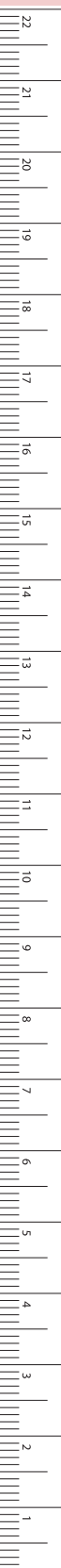
1/1





Scheren – Scissors  
Präparierscheren Noir  
Dissecting Scissors Noir

BC



»grazil«



BC257B

115 mm, 4 1/2"

»grazil«



BABY-METZENBAUM

BC259B

145 mm, 5 3/4"

»grazil«

»grazil«



BC261B	BC263B	BC265B
145 mm	180 mm	200 mm
5 3/4"	7"	8"

BC271B	BC275B
180 mm	200 mm
7"	8"

METZENBAUM

BC261B-BC275B

»grazil«



MAYO-LEXER

BC283B-BC284B

165 mm, 6 1/2"

MILLIMETERS

## Scheren – Scissors

Präparierscheren Noir mit Wellenschliff

Wavecut Dissecting Scissors Noir



Wellenschliff verhindert das Herausgleiten des Gewebes während des Schneidens

Wavecut prevents tissue from slipping out during the cutting process



BC257WB

115 mm, 4 1/2"

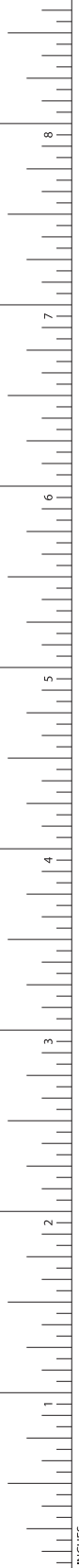


BABY-METZENBAUM

BC259WB

145 mm, 5 3/4"

BC





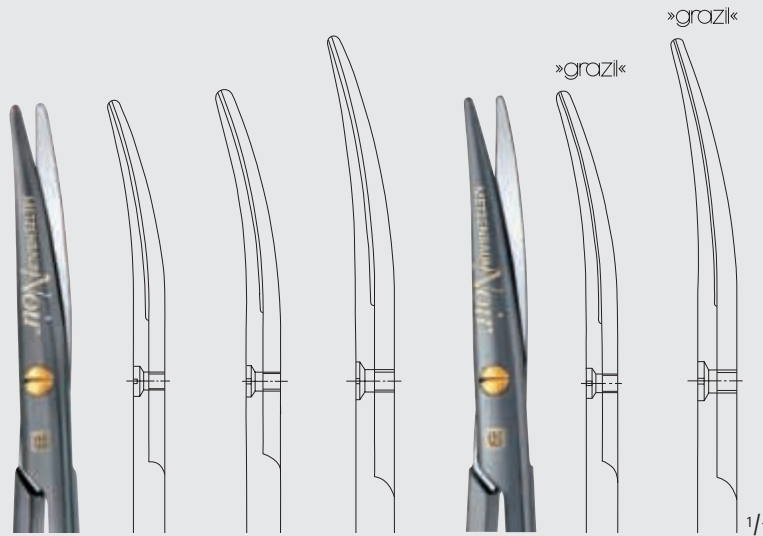
## Scheren – Scissors

Präparierscheren Noir mit Wellenschliff  
Wavecut Dissecting Scissors Noir



METZENBAUM

BC261WB-BC275WB



BC261WB	BC263WB	BC265WB
145 mm	180 mm	200 mm
5 3/4"	7"	8"

BC271WB	BC275WB
180 mm	200 mm
7"	8"



MAYO-LEXER

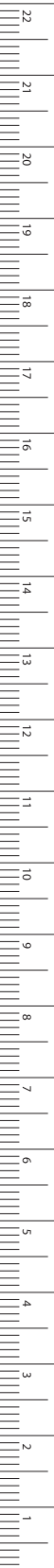
BC283WB-BC284WB

165 mm, 6 1/2"



BC283WB	BC284WB
---------	---------

BC



MILLIMETERS

Scheren – Scissors  
Mikro-Gefäßscheren  
Micro Vascular Scissors

BC



1/1

DIETHRICH-POTTS  
180 mm, 7"



## Scheren – Scissors

### Mikro-Gefäßscheren

### Micro Vascular Scissors

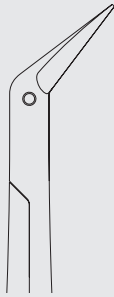
BC

25°



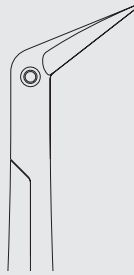
BC522R

45°



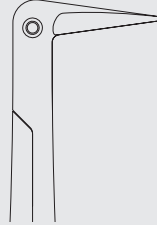
BC523R

60°



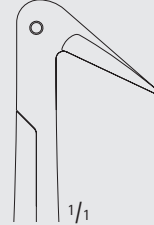
BC524R

90°



BC525R

125°



BC526R

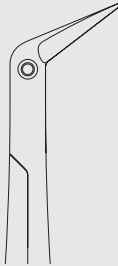
Standard Blatt  
Standard blade



BC531R



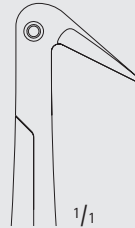
BC532R



BC533R



BC534R



BC535R

Sehr feines Blatt  
Delicate blade



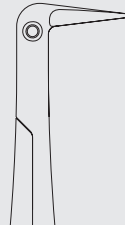
BC515R



BC516R



BC517R

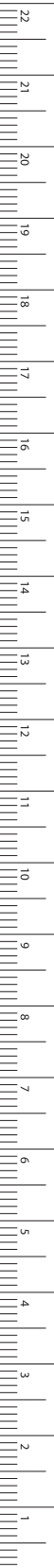


BC518R



BC519R

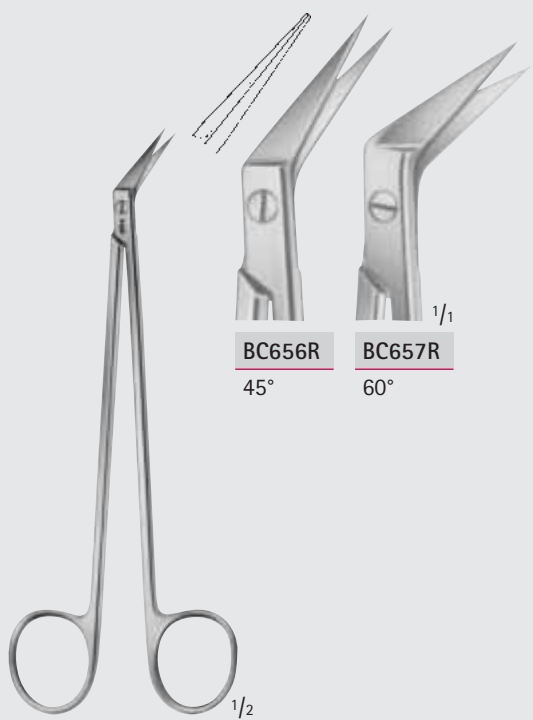
Extrem feines Blatt  
Ultra delicate blade



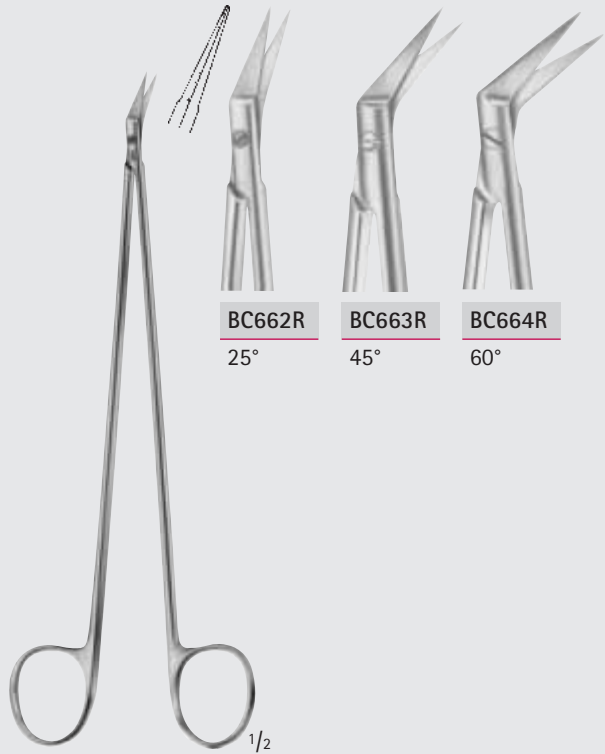
MILLIMETERS

Scheren – Scissors  
 Gefäßscheren  
 Cardiovascular Scissors

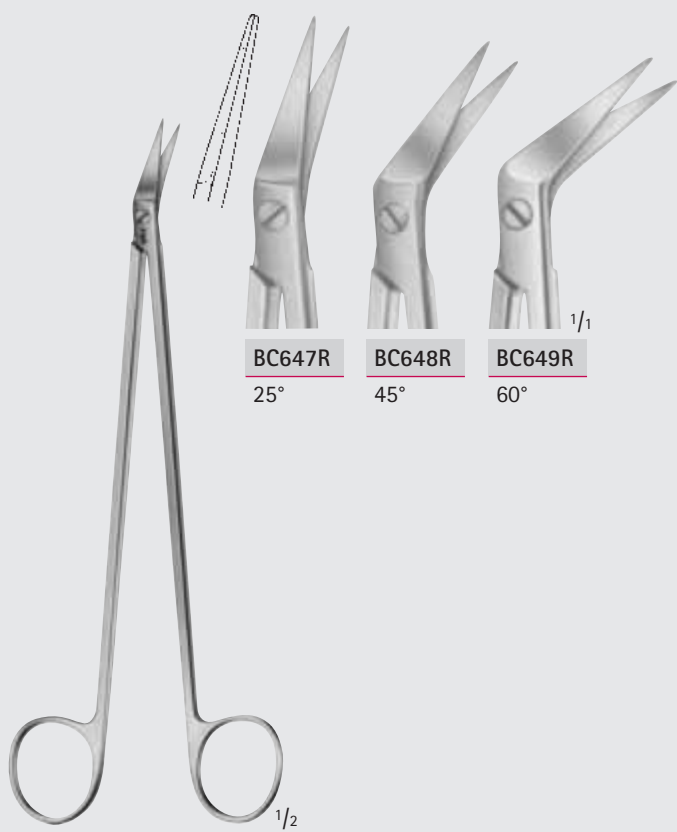
BC



DE BAKEY  
 BC656R-BC657R  
 155 mm, 6"



DIETHRICH-HEGEMANN  
 BC662R-BC664R  
 180 mm, 7"



POTTS-DE MARTEL  
 BC647R-BC649R  
 185 mm, 7 1/4"

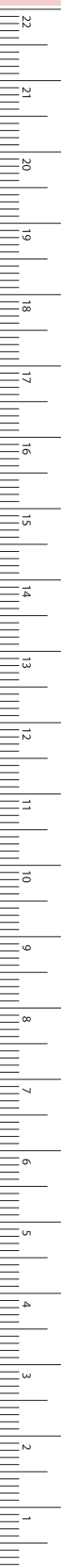


DIETHRICH  
 BC653R-BC654R  
 170 mm, 6 3/4"



Scheren – Scissors  
 Gefäßschere  
 Cardiovascular Scissors

BC



MILLIMETERS

55°  
aufgebogen  
55°  
angled on flat

**POTTS-SMITH**  
**BC646R**  
 Gefäßschere  
 Cardiovascular scissors  
 180 mm, 7"

60°

**POTTS-SMITH**  
**BC652R**  
 Gefäßschere  
 Cardiovascular scissors  
 180 mm, 7"

60°

**POTTS-DE MARTEL**  
**BC650R**  
 60°

**MILLS**  
**BC651R**  
 60°

**BC650R-BC651R**  
 Gefäßscheren  
 Cardiovascular scissors  
 220 mm, 8 3/4"

45°

**DE BAKEY**  
**BC669R**  
 Offset-Schere, S-förmig  
 Offset scissors, s-shaped  
 155 mm, 6"

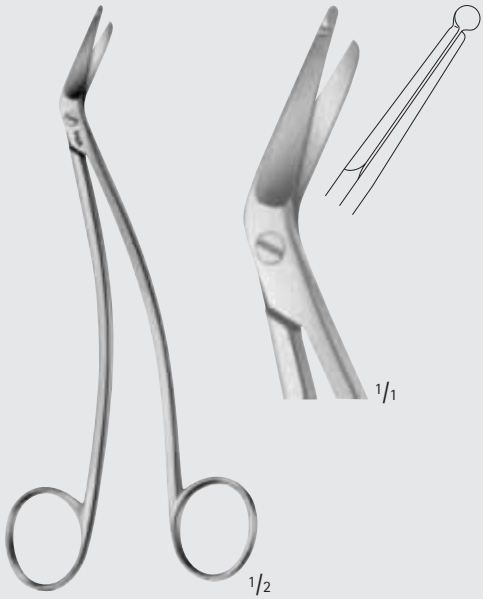
55°

**FAVOLORO**  
**BC670R**  
 Gefäßschere  
 Cardiovascular scissors  
 140 mm, 5 1/2"

## Scheren – Scissors

Scheren für Gefäß- und Neurochirurgie  
Scissors for Vascular and Neuro Surgery

BC



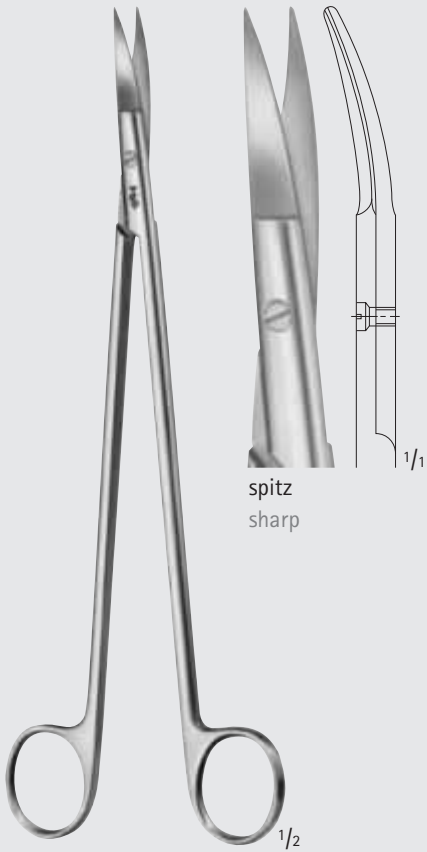
SCHMIEDEN-TAYLOR

BC660R

Duraschere

Dura scissors

155 mm, 6"



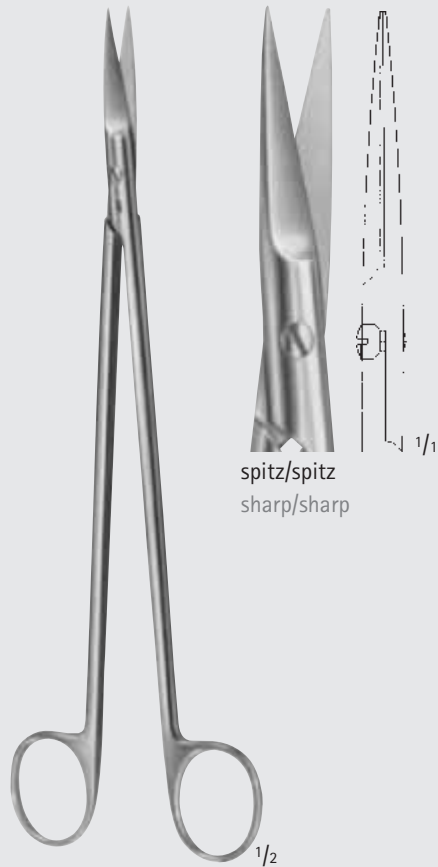
STRULLY

BC644R

Gefäßschere

Vascular scissors

220 mm, 8 3/4"



BC642R

Gefäßschere

Vascular scissors

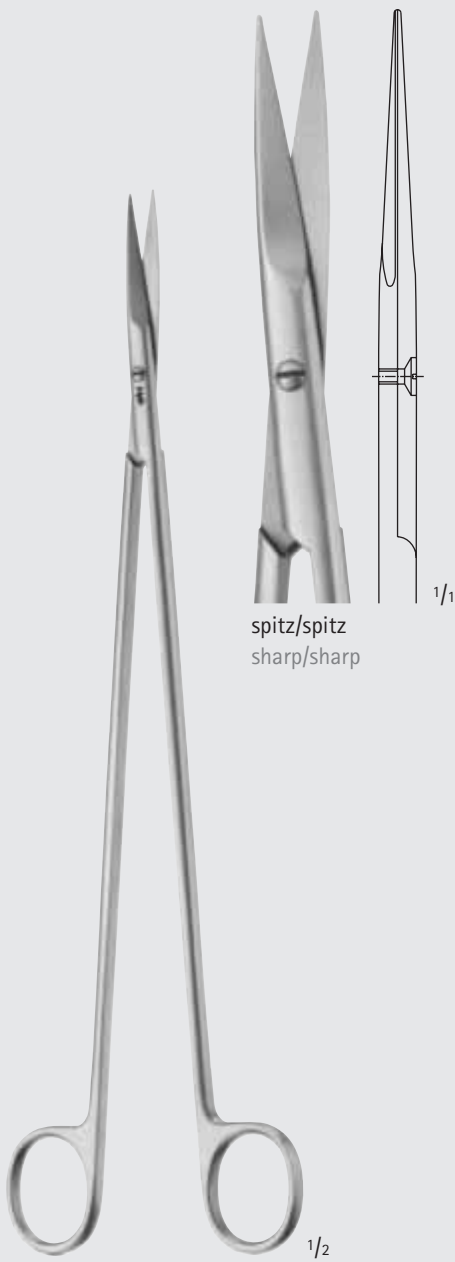
225 mm, 9"



## Scheren – Scissors

Scheren für Gefäß- und Neurochirurgie  
Scissors for Vascular and Neuro Surgery

BC

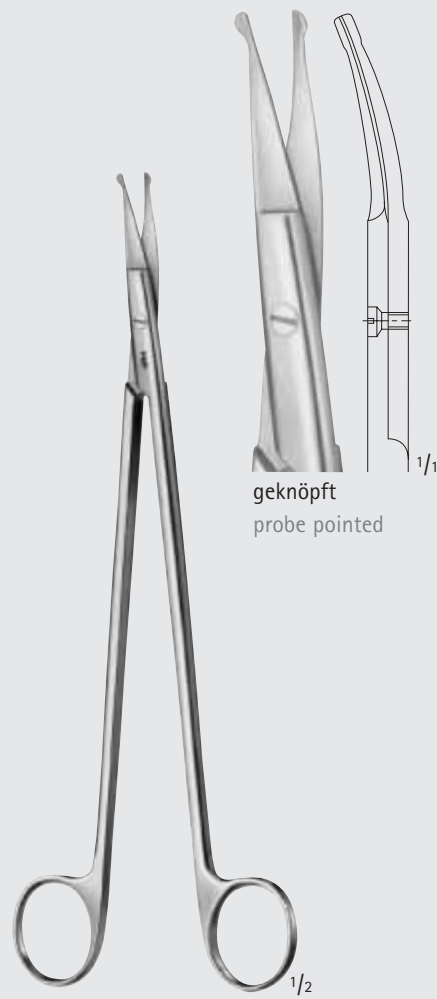


spitz/spitz  
sharp/sharp

BARRÉ

BC715R

280 mm, 11"



geknöpft  
probe pointed

STRULLY

BC645R

220 mm, 8 3/4"



MILLIMETERS

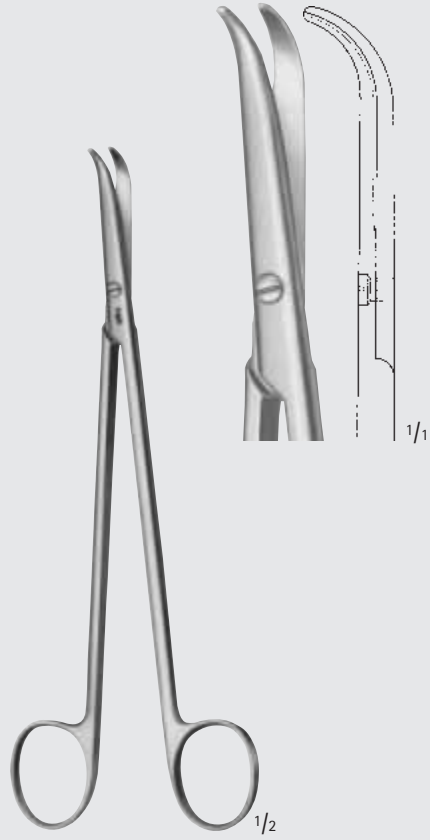
**Scheren – Scissors**  
 Scheren für die Gefäßchirurgie  
 Scissors for Vascular Surgery

BC

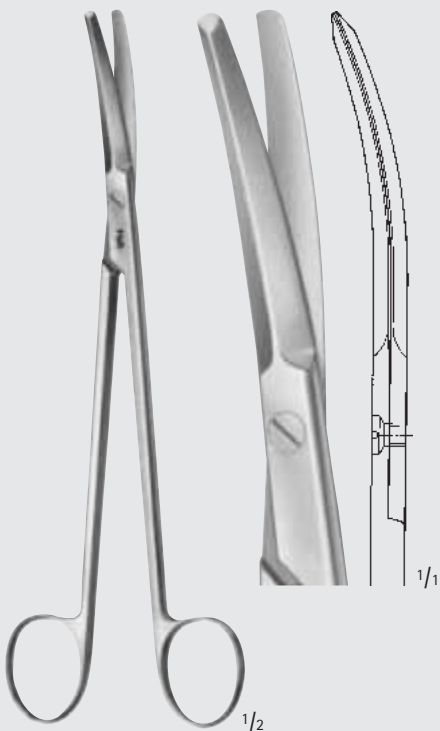


<b>BC658R</b>	<b>BC659R</b>
gerade	gebogen
sehr fein	sehr fein
straight	curved
very	very
delicate	delicate

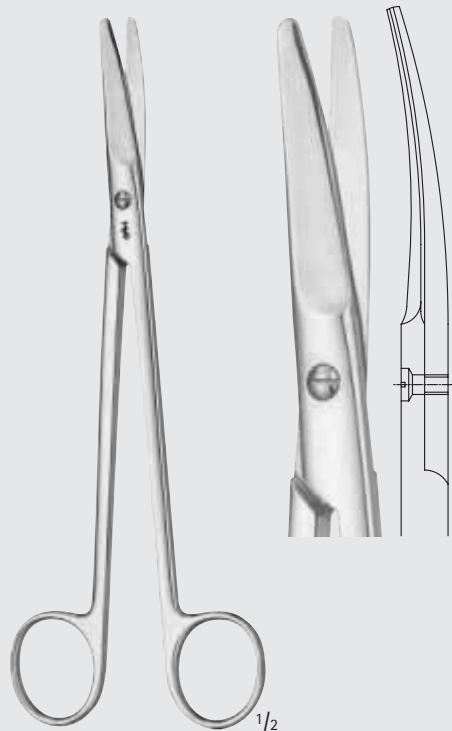
**BC658R-BC659R**  
 190 mm, 7 1/2"



**THOREK**  
**BC636R**  
 180 mm, 7"



**POTTS-SMITH**  
**BC643R**  
 190 mm, 7 1/2"

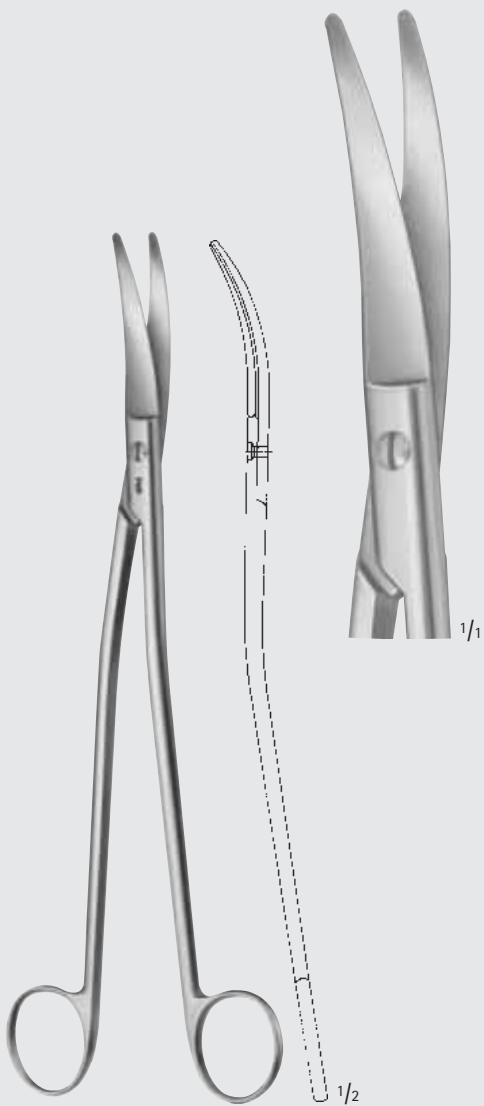


**COOLEY**  
**BC597R**  
 190 mm, 7 1/2"



**Scheren – Scissors**  
Scheren für Gefäßchirurgie  
Scissors for Vascular Surgery

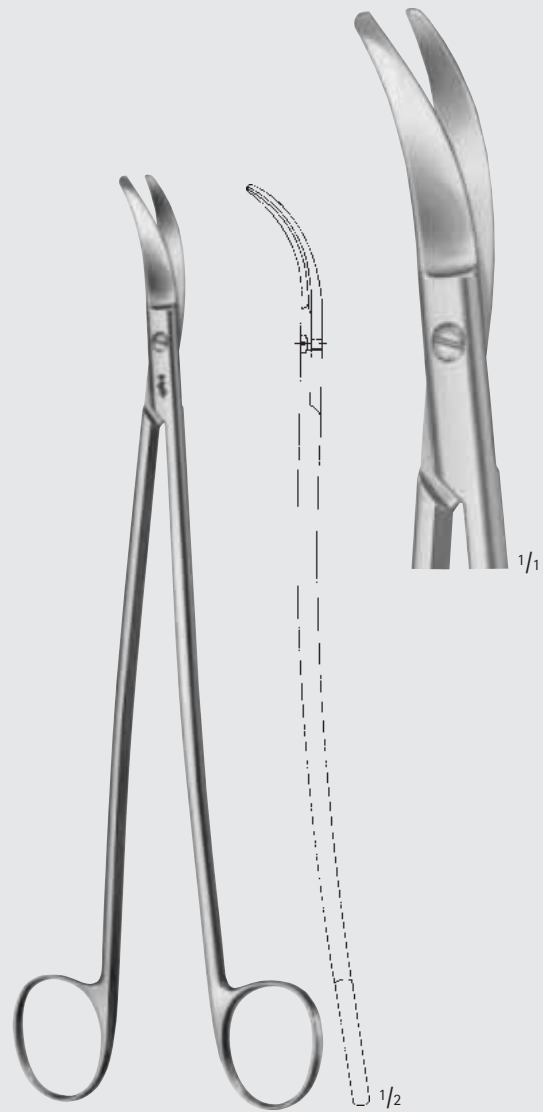
BC



KLINKENBERG-LOTH

BC640R

230 mm, 9"



SATINSKY

BC641R

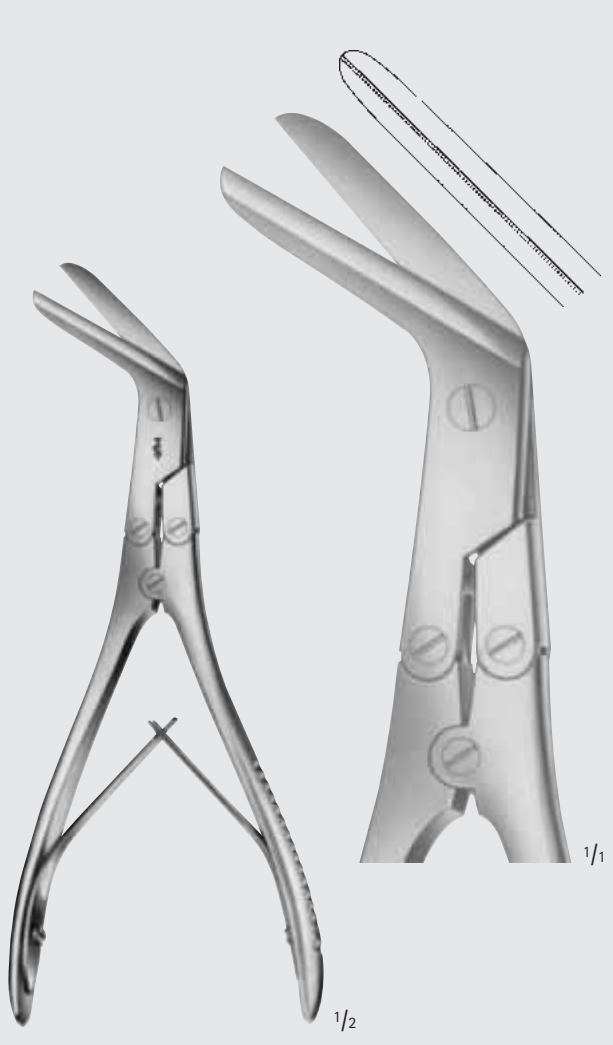
245 mm, 9 3/4"



MILLIMETERS

Scheren – Scissors  
Knochenscheren  
Bone Shears

BC



KILLIAN  
OP130R  
200 mm, 8"



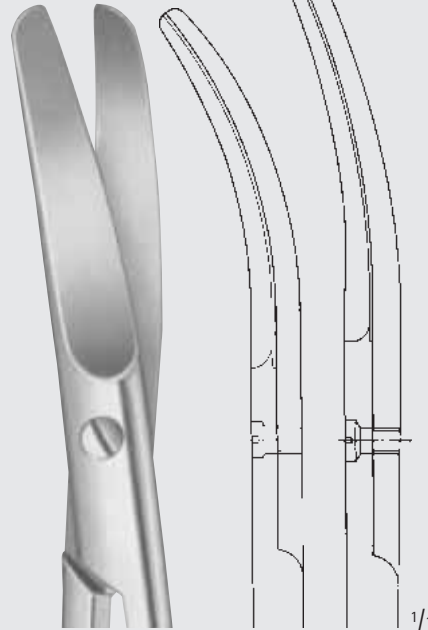
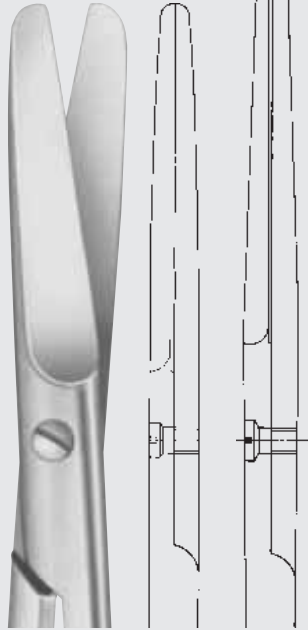
MÜHLING  
FO216R  
210 mm, 8 1/4"



## Scheren – Scissors

Scheren für Operation in der Tiefe und für Gynäkologie  
Scissors for Deep Operations and for Gynecology

BC

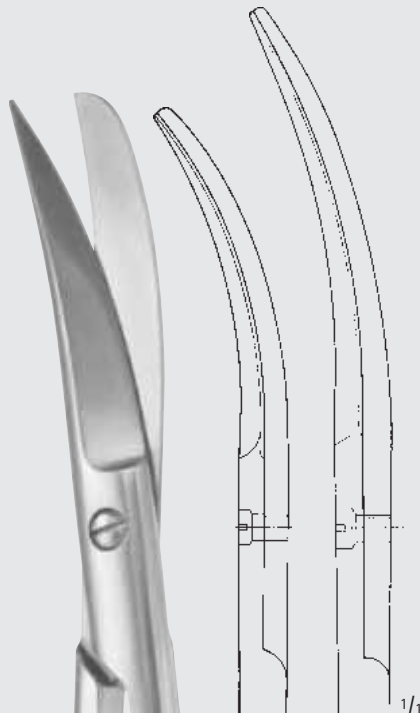


SIMS

BC721R-BC743R

BC721R	BC723R
200 mm	230 mm
8"	9"

BC741R	BC743R
200 mm	230 mm
8"	9"



SIMS

BC746R-BC748R

BC746R	BC748R
200 mm	230 mm
8"	9"

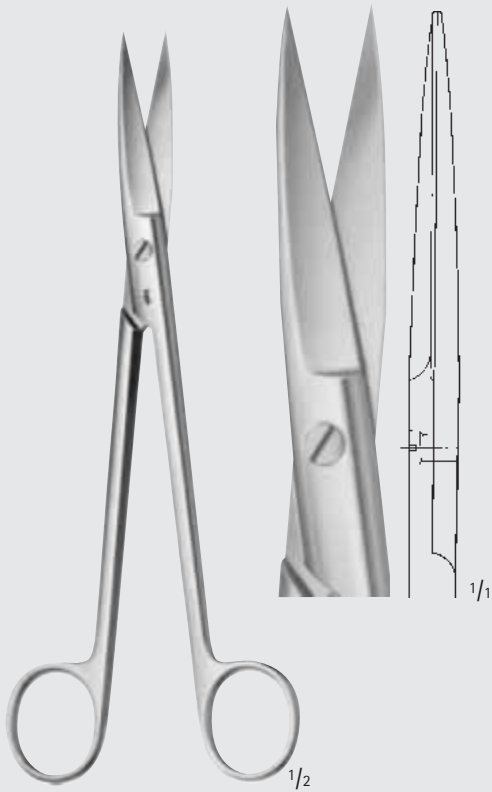


MILLIMETERS

## Scheren – Scissors

Scheren für Operation in der Tiefe und für Gynäkologie  
Scissors for Deep Operations and for Gynecology

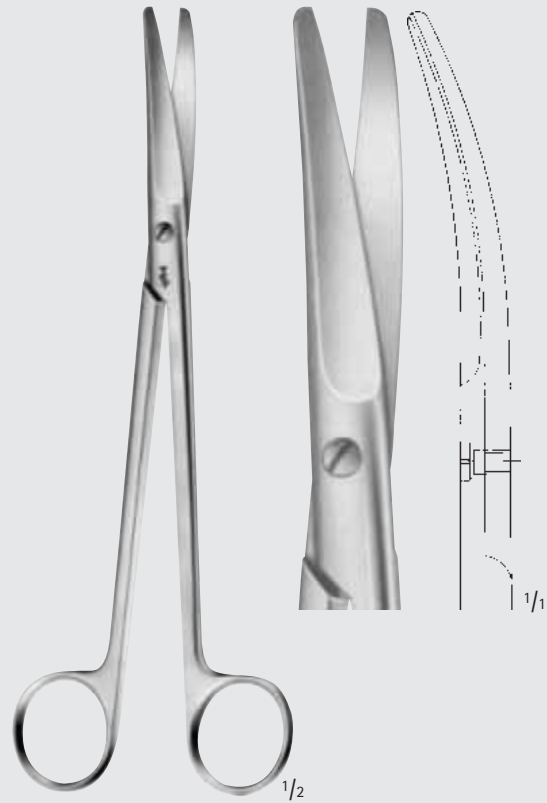
BC



SIMS

**BC731R**

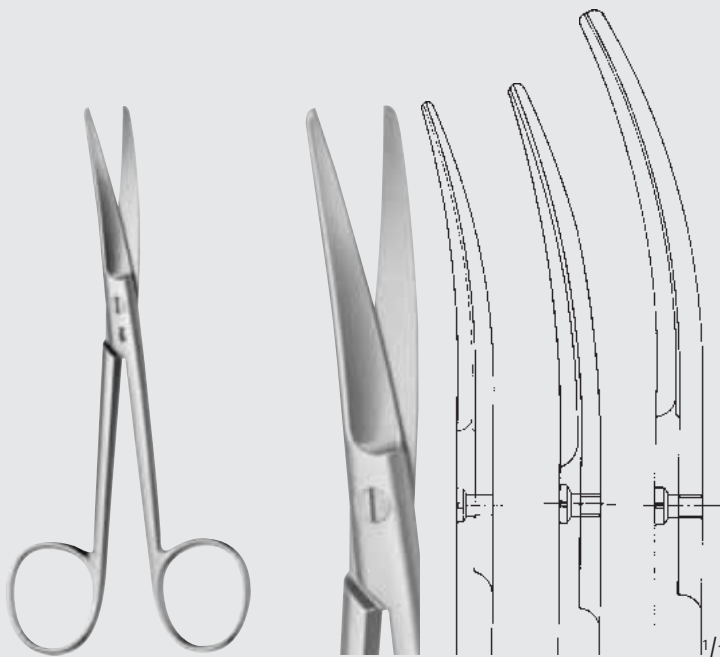
200 mm, 8"



SIMS

**BC708R**

210 mm, 8 1/4"



WERTHEIM

**BC702R-BC704R**

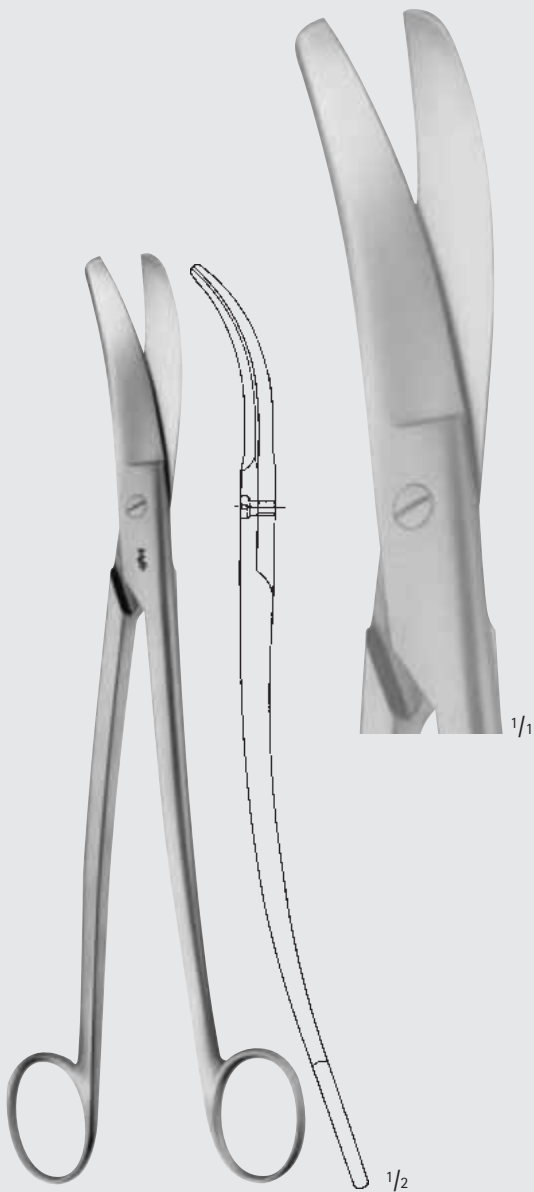
BC702R	BC703R	BC704R
145 mm	200 mm	230 mm
5 3/4"	8"	9"



## Scheren – Scissors

Scheren für Operation in der Tiefe und für Gynäkologie  
Scissors for Deep Operations and for Gynecology

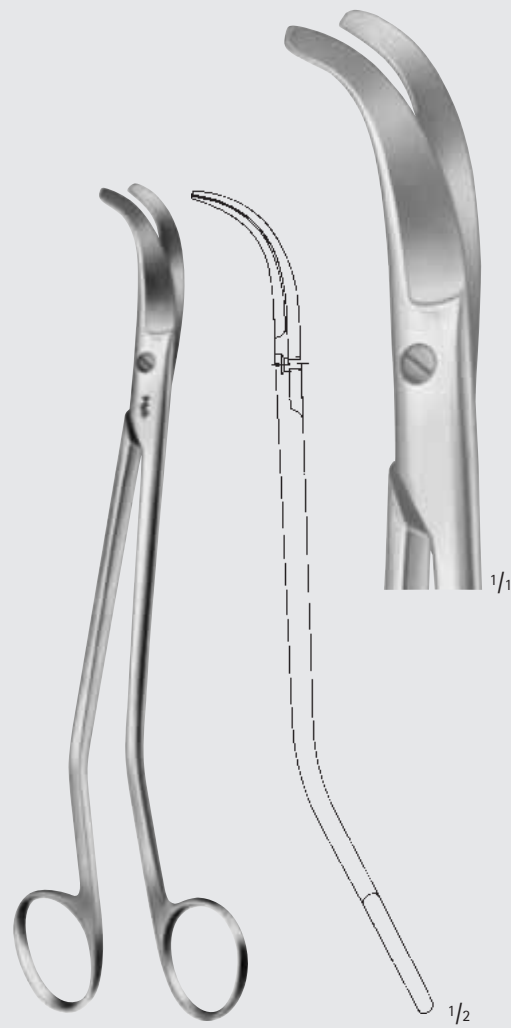
BC



SIEBOLD

BC760R

Uterusschere  
Uterine scissors  
245 mm, 9 3/4"



BOZEMANN

BC761R

Uterusschere  
Uterine scissors  
220 mm, 8 3/4"

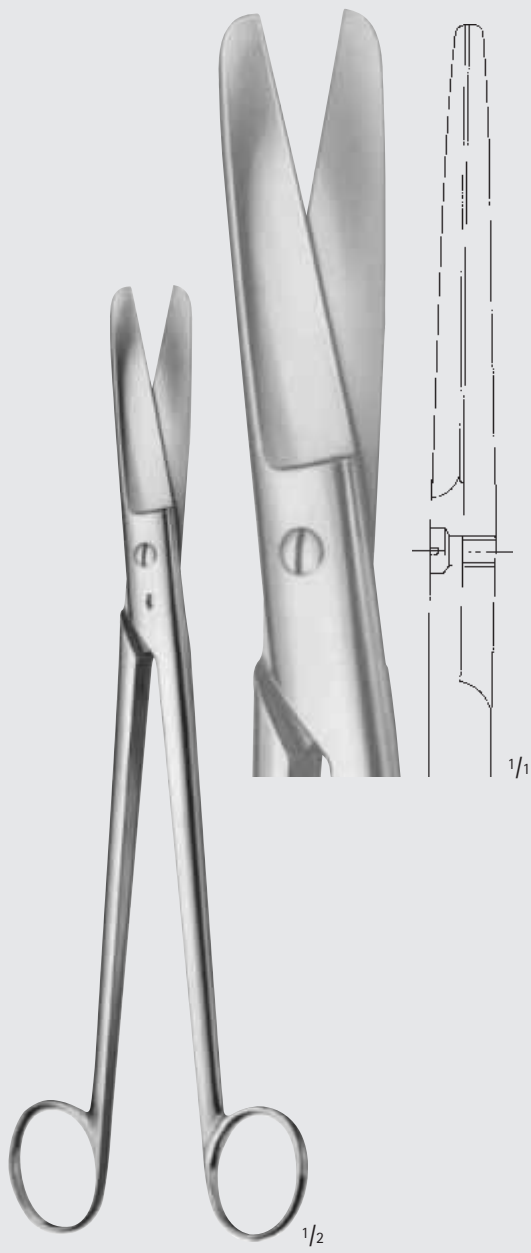


MILLIMETERS

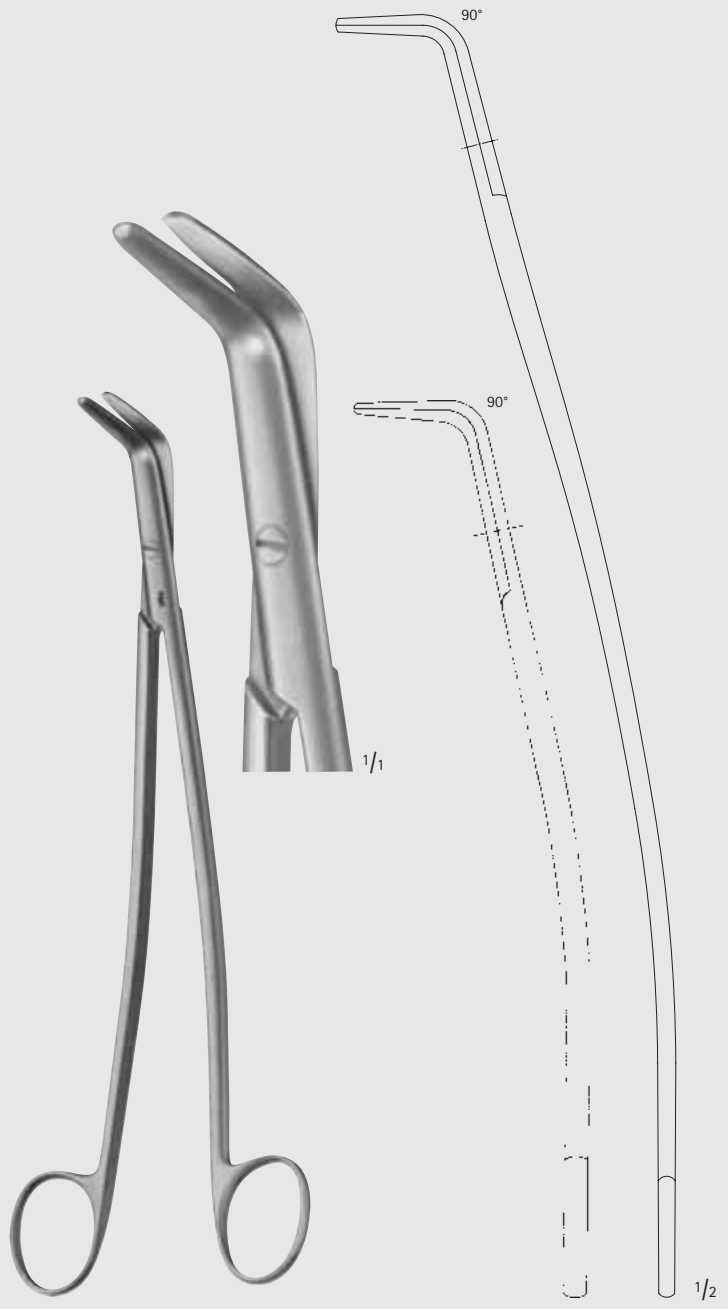
## Scheren – Scissors

Scheren für Operation in der Tiefe und für Gynäkologie  
Scissors for Deep Operations and for Gynecology

BC



**SIMS-SIEBOLD**  
**BC762R**  
Uterusschere  
Uterine scissors  
250 mm, 10"



**KIEBACK**  
**BC763R-BC765R**  
Parametriumscheren  
Parametrium scissors

BC763R	BC765R
240 mm	350 mm
9 1/2"	14"



## Scheren – Scissors

Scheren für Operation in der Tiefe und für Gynäkologie  
Scissors for Deep Operations and for Gynecology

BC



BC764R	BC766R
260 mm	350 mm
10 1/4"	9 1/2"

KIEBACK

**BC764R-BC766R**

Parametriumscheren, seitwärts gebogen, 1 Blatt mit Knopfspitze  
Parametrium scissors, curved to side, with 1 probe pointed blade



MILLIMETERS

## Scheren – Scissors

Chirurgische Scheren, kräftige Modelle

Surgical Scissors, Heavy Patterns

BC



**BC771R**

Bauchdeckenschere  
Abdominal scissors  
160 mm, 6 1/4"



**BC774R**

Bauchdeckenschere  
Abdominal scissors  
180 mm, 7"



**BC772R-BC776R**

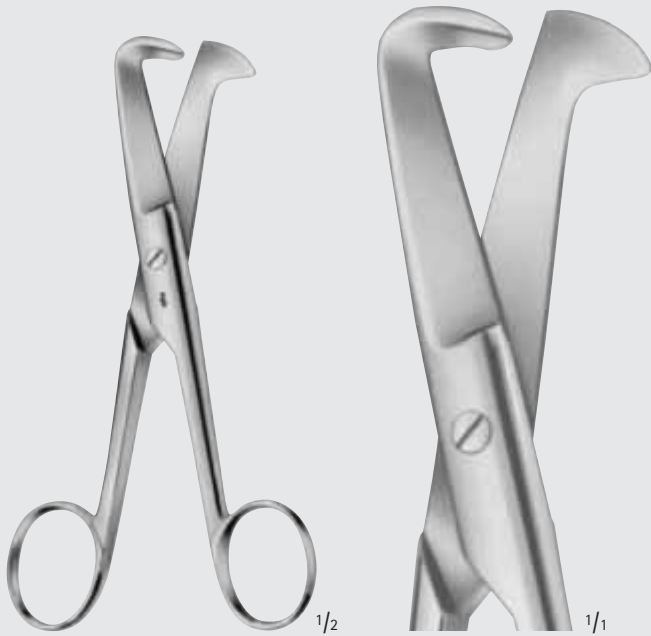
Bauchdeckenscheren  
Abdominal scissors

BC772R	BC776R
160 mm	180 mm
6 1/4"	7"



**Scheren – Scissors**  
Scheren für Geburtshilfe  
Scissors for Obstetrics

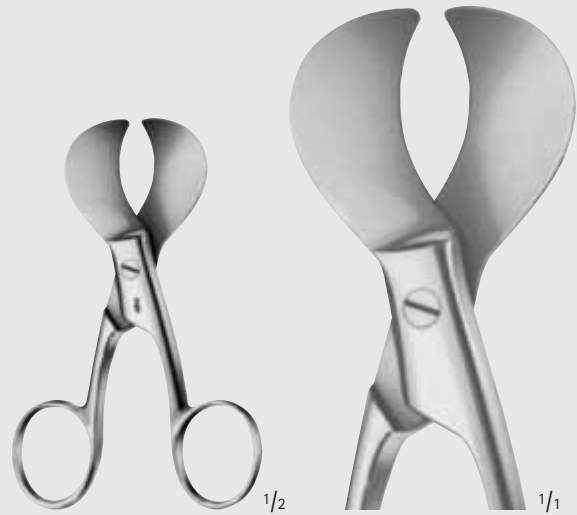
**BC**



**SCHUHMACHER**

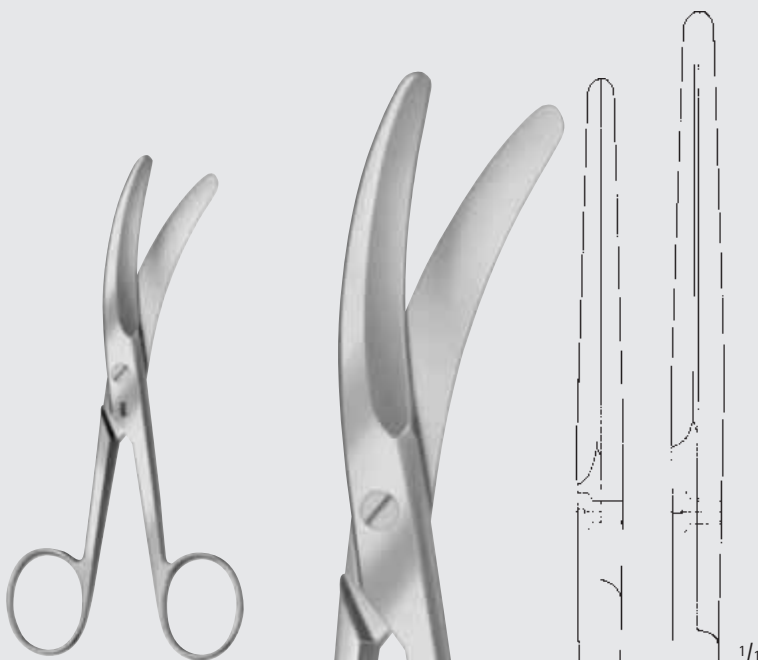
**ET150R**

Nabelschnurschere  
Umbilical cord scissors  
155 mm, 6"



**ET152R**

Nabelschnurschere  
Umbilical cord scissors  
105 mm, 4 1/8"



**BC796R-BC797R**

Nabelschnurscheren  
Umbilical cord scissors

BC796R	BC797R
135 mm	160 mm
5 1/4"	6 1/4"



**Scheren – Scissors**  
 Scheren für Geburtshilfe  
 Scissors for Obstetrics

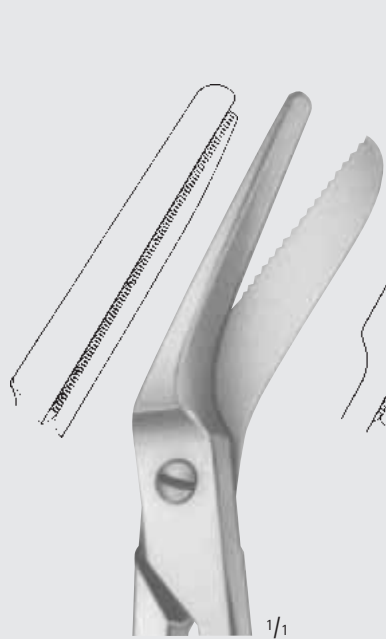
BC



**BRAUN-STADLER**

**ET140R-ET141R**

Dammscheren  
 Episiotomy scissors

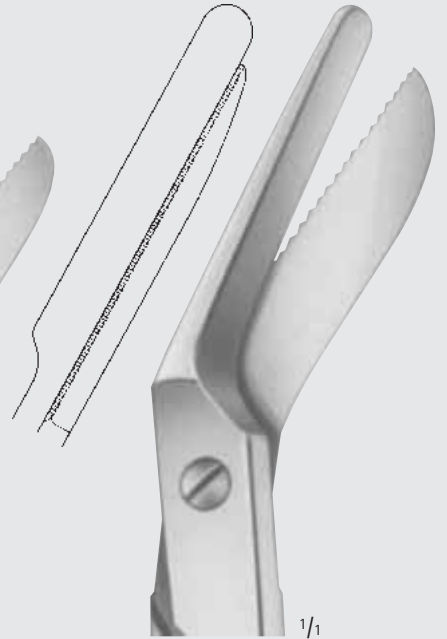


1/1

**ET140R**

145 mm

5 3/4"



1/1

**ET141R**

200 mm

8"



1/2



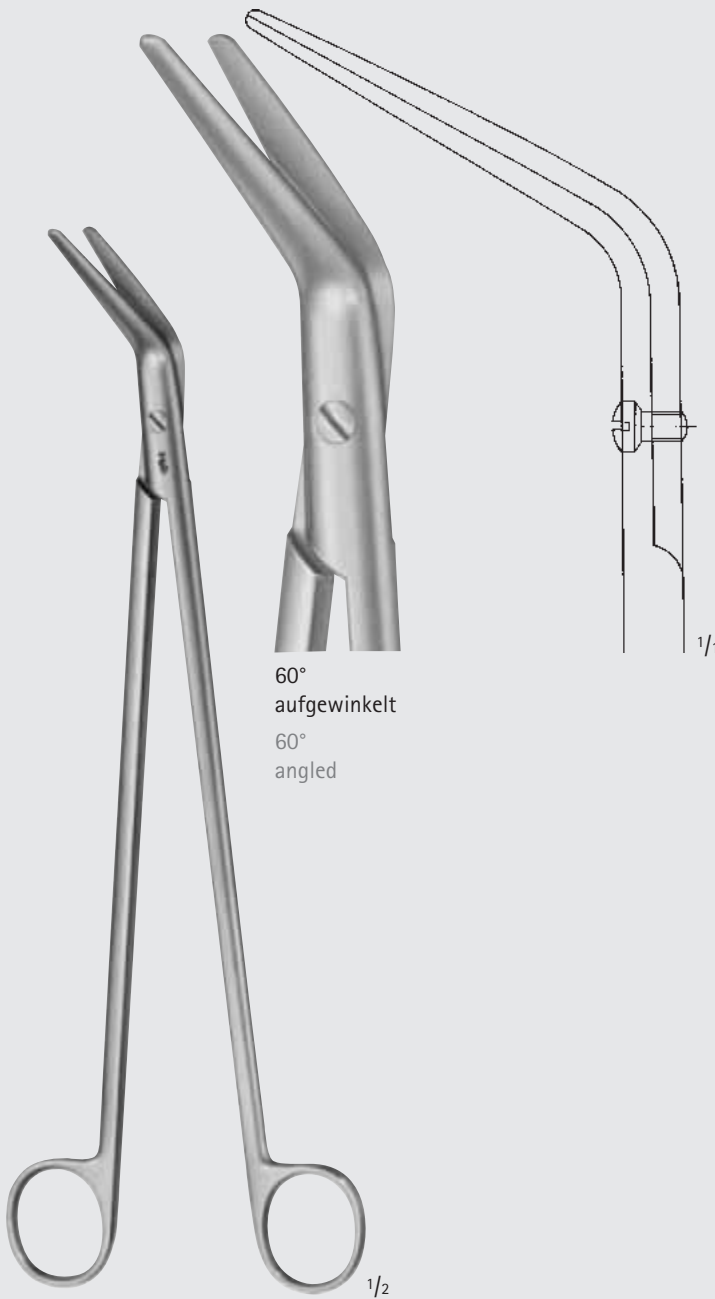
1/1

**ET142R**

Dammschere  
 Episiotomy scissors  
 240 mm, 9 1/2"

**Scheren – Scissors**  
 Darmscheren, Rektumschere  
 Bowel Scissors, Rectal Scissors

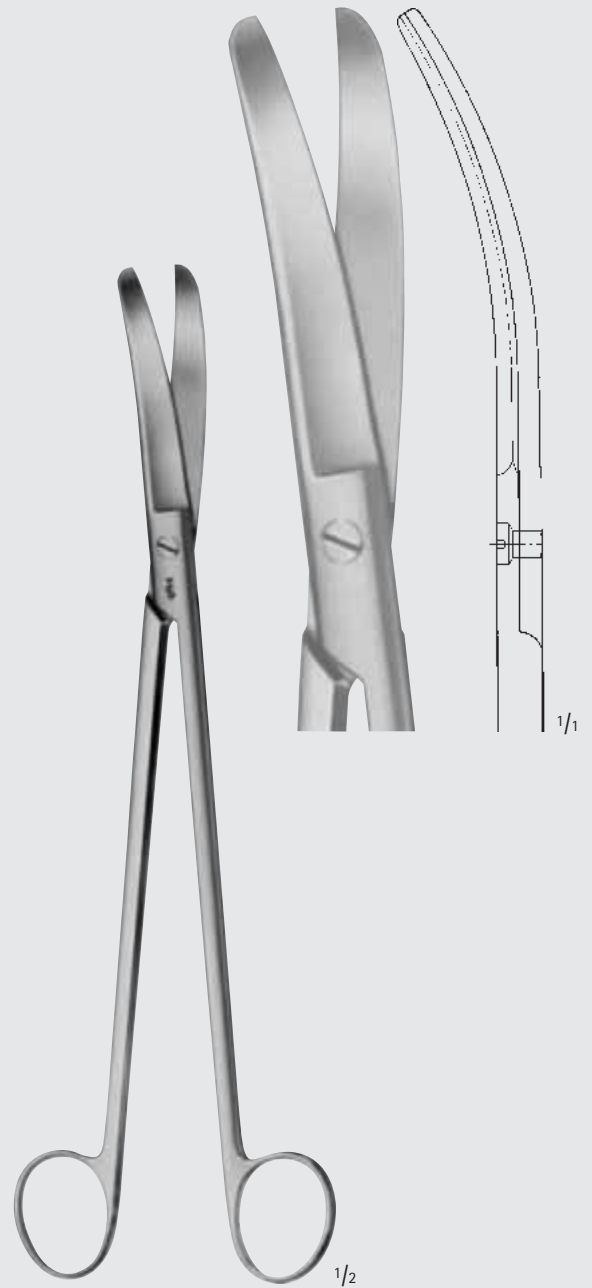
BC



60°  
aufgewinkelt  
60°  
angled

**BC624R**

Präparierschere  
zum Durchtrennen des Darms nach  
erfolgter Naht mit einem Naht-Gerät  
Dissecting scissors  
for cutting of the bowel after  
suturing with suture device  
280 mm, 11"



LLOYD-DAVIES (GOLIGHER'S)

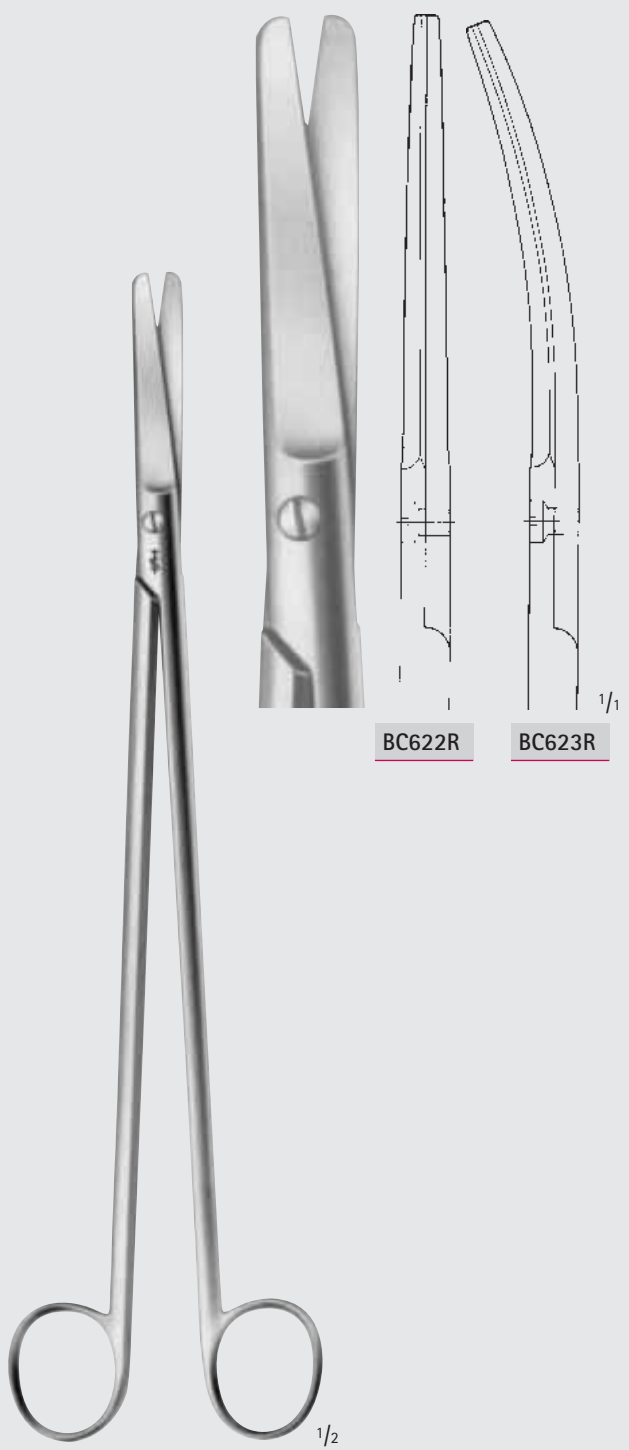
**BC621R**

Rektumschere  
Rectal scissors  
270 mm, 10 3/4"

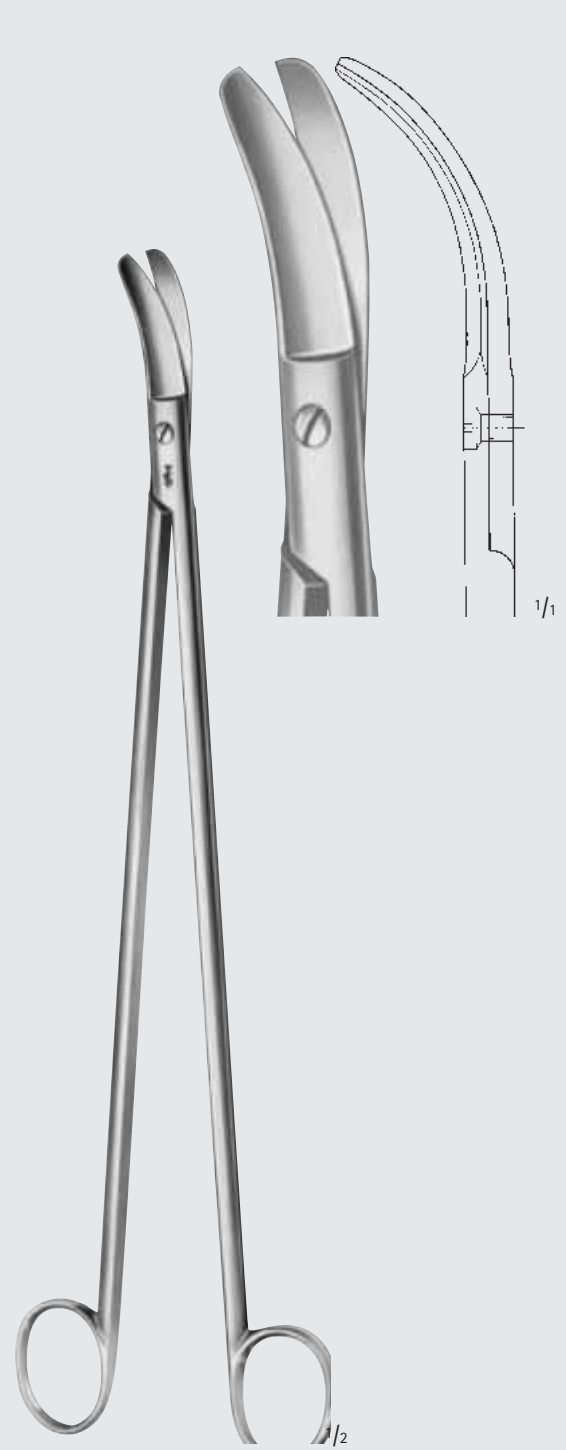


**Scheren – Scissors**  
 Rektumscheren  
 Rectal Scissors

BC



**STELZNER**  
**BC622R-BC623R**  
 Rektumscheren  
 Rectal scissors  
 310 mm, 12 3/8"



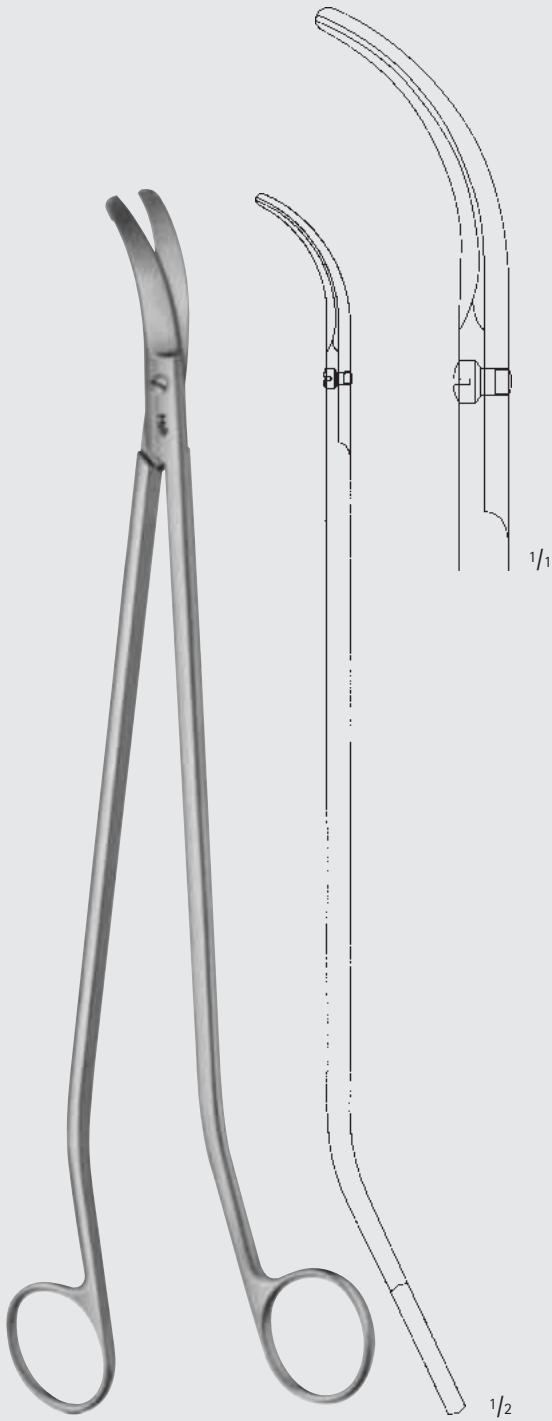
**BC617R**  
 Rektumschere  
 Rectal scissors  
 325 mm, 13"





Scheren – Scissors  
Rektumschere  
Rectal Scissors

BC



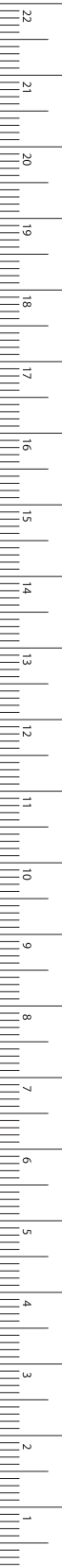
MÜLLER

BC627R

S-förmig

S-shaped

325 mm, 13"



MILLIMETERS

**Scheren – Scissors**  
 Ligaturscheren  
 Ligature Scissors

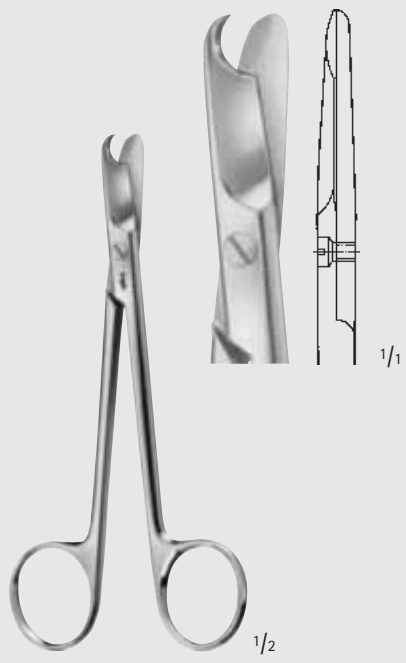
BC



BC801R	BC802R
90 mm	115 mm
3 1/2"	4 1/2"

SPENCER

**BC801R-BC802R**



**BC803R**

135 mm, 5 1/4"



NORTHBENT

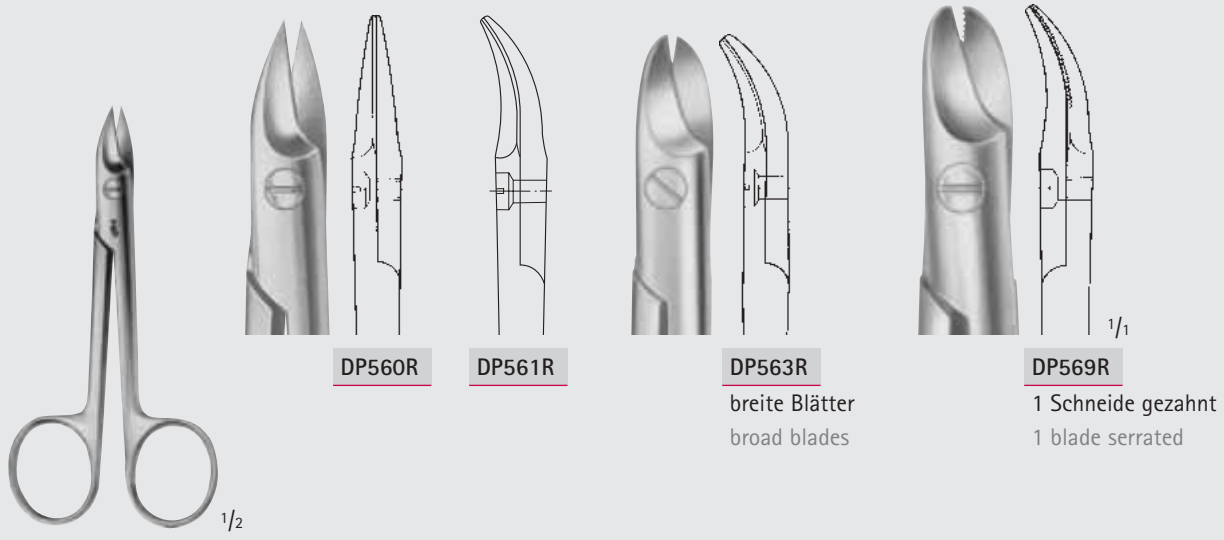
**BC805R**

120 mm, 4 3/4"

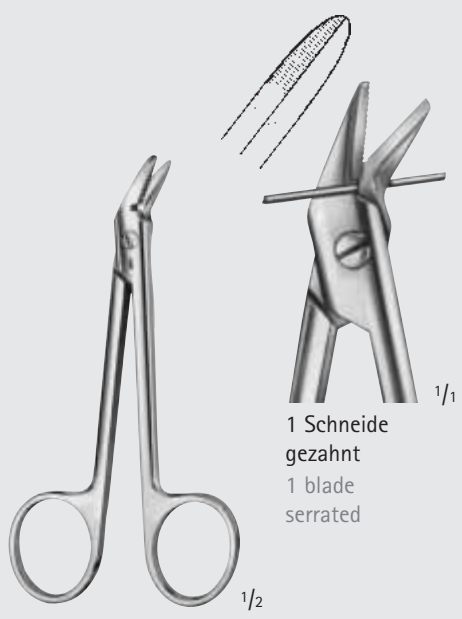


**Scheren – Scissors**  
 Draht- und Blechscheren  
 Wire Cutting Scissors

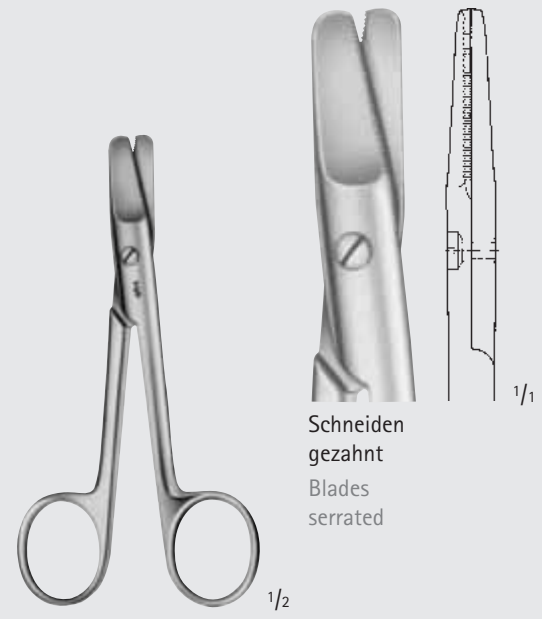
BC



**BEEBE**  
**DP560R- DP569R**  
 110 mm, 4 3/8"



**DP551R**  
 120 mm, 4 3/4"



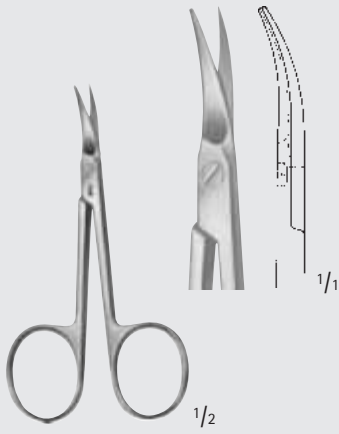
**HARVEY**  
**BC815R**  
 125 mm, 5"



MILLIMETERS

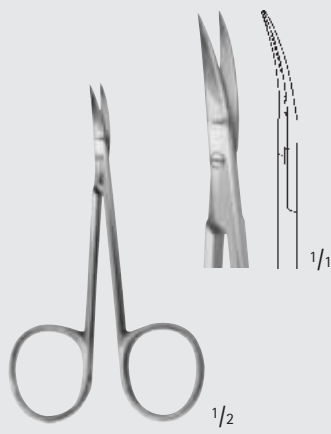
**Scheren – Scissors**  
 Nagelscheren  
 Nail Scissors

BC



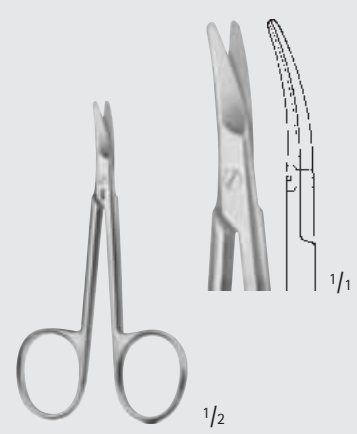
**HF400R**

Nagelschere  
 Nail scissors  
 90 mm, 3 1/2"



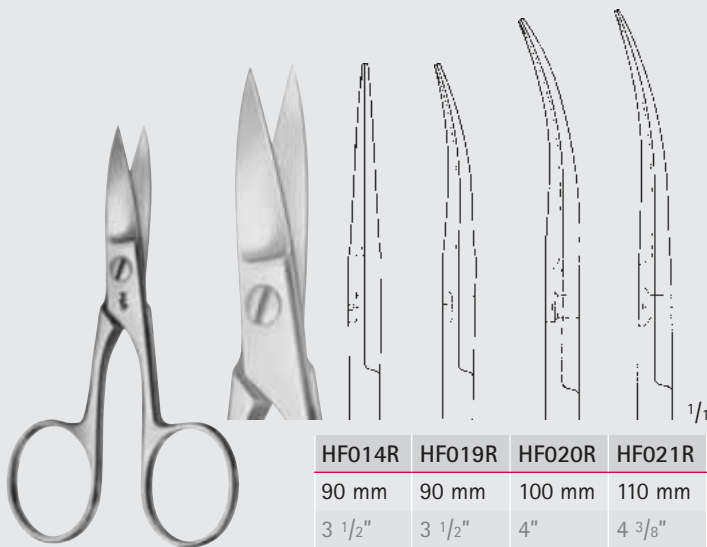
**HF409R**

Nagelschere,  
 extra feines Modell  
 Nail scissors,  
 especially delicate pattern  
 90 mm, 3 1/2"



**HF032R**

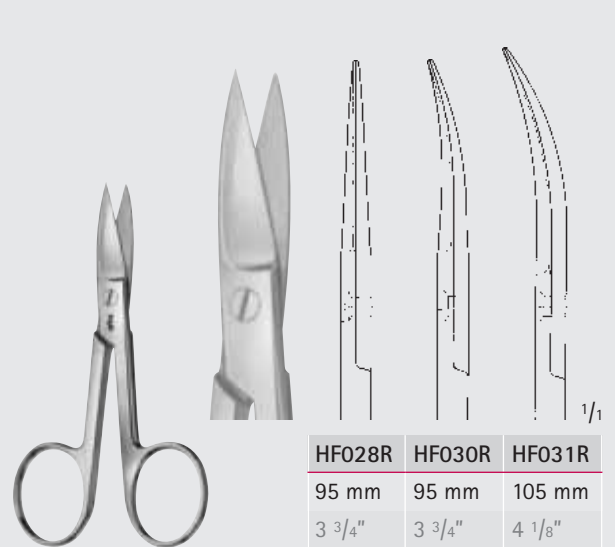
Baby-Nagelschere  
 Baby nail scissors  
 85 mm, 3 1/8"



HF014R	HF019R	HF020R	HF021R
90 mm	90 mm	100 mm	110 mm
3 1/2"	3 1/2"	4"	4 3/8"

**HF014R-HF021R**

Nagelscheren  
 Nail scissors



HF028R	HF030R	HF031R
95 mm	95 mm	105 mm
3 3/4"	3 3/4"	4 1/8"

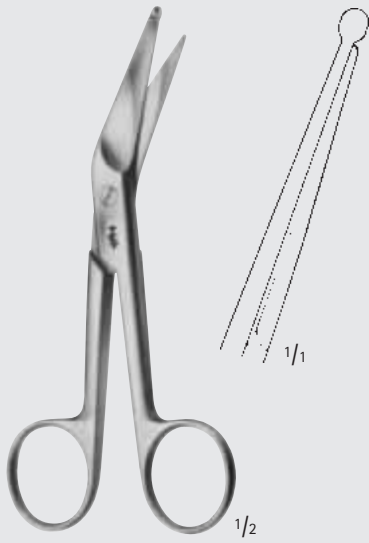
**HF028R-HF031R**

Nagelscheren  
 Nail scissors



**Scheren – Scissors**  
 Verbandstoff- und Verbandscheren  
 Bandage Scissors

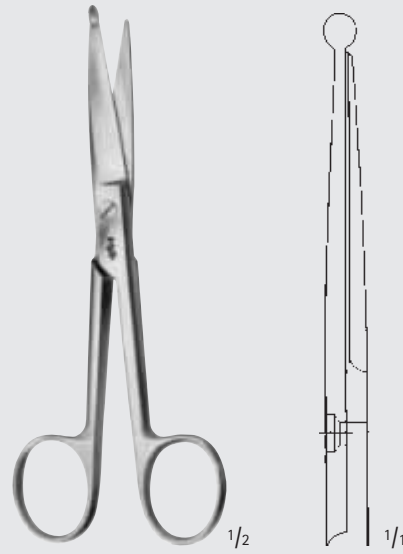
**BC**



KNOWLES

**BC847R**

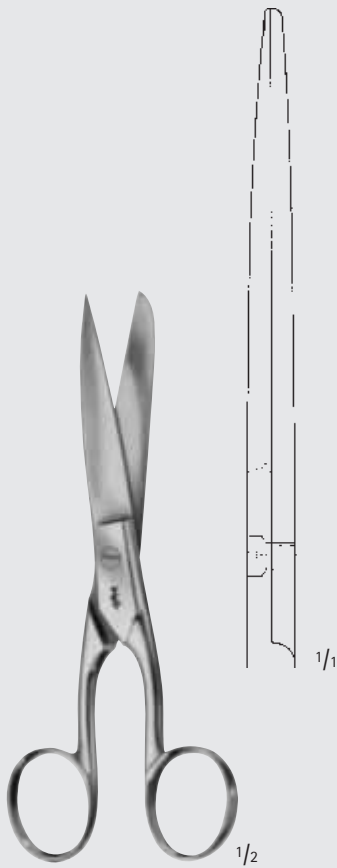
140 mm, 5 1/2"



KNOWLES

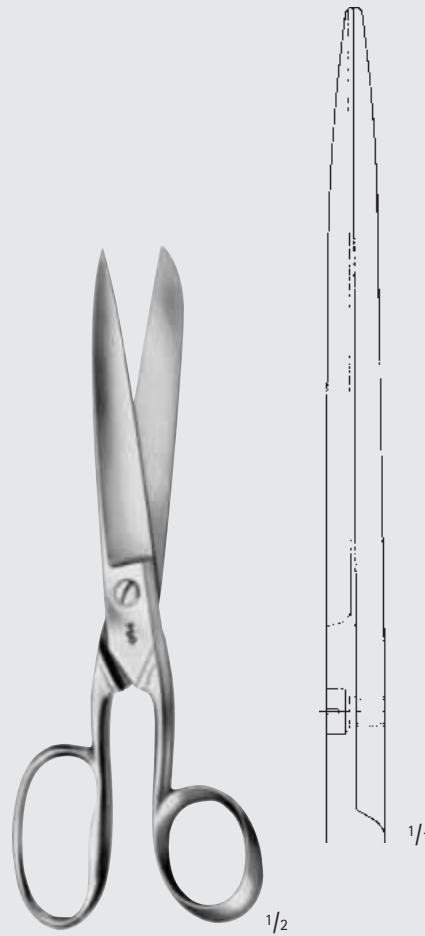
**BC846R**

145 mm, 5 3/4"



**BC835R**

150 mm, 6"



SMITH

**BC838R**

180 mm, 7"



MILLIMETERS

## Scheren – Scissors

Verband- und Kleiderscheren

Bandage- and Cloth Scissors

BC



LISTER

BC885R-BC979R

BC885R	schwarz	black	BC975R	orange	orange
BC970R	rot	red	BC977R	pink	pink
BC971R	blau	blue	BC978R	hellgrün	light green
BC973R	gelb	yellow	BC979R	violett	violet

Universal Verband- und Kleiderstoffschere, mit gezahnten Schneiden, autoklavierbar bis 143 °C (3 bar)

Universal bandage- and cloth scissors, with toothed edges, autoclavable up to 143 °C (3 bar)

145 mm, 5 3/4"



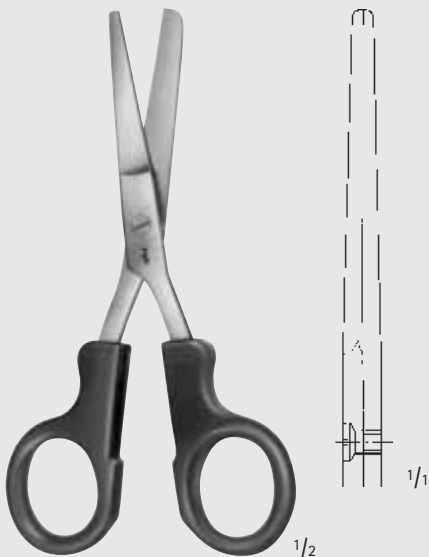
BC881R-BC989R

BC881R	schwarz	black	BC985R	orange	orange
BC980R	rot	red	BC987R	pink	pink
BC981R	blau	blue	BC988R	hellgrün	light green
BC983R	gelb	yellow	BC989R	violett	violet

Universal Verband- und Kleiderstoffschere, mit gezahnten Schneiden, autoklavierbar bis 143 °C (3 bar)

Universal bandage- and cloth scissors, with toothed edges, autoclavable up to 143 °C (3 bar)

180 mm, 7"



BC890R

Schwesternschere, autoklavierbar bis 143°C (3 bar)

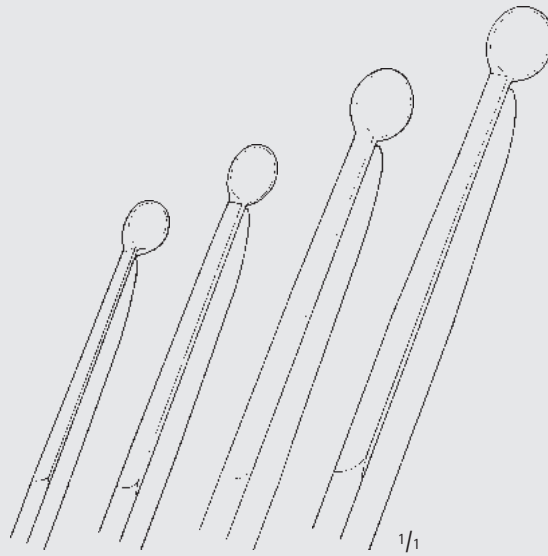
Nurse's scissors, autoclavable up to 143°C (3 bar)

145 mm, 5 3/4"



**Scheren – Scissors**  
 Verband- und Kleiderscheren  
 Bandage- and Cloth Scissors

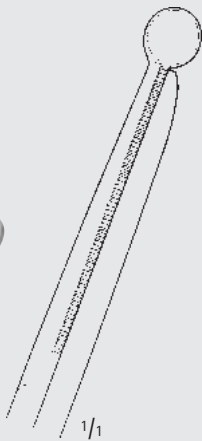
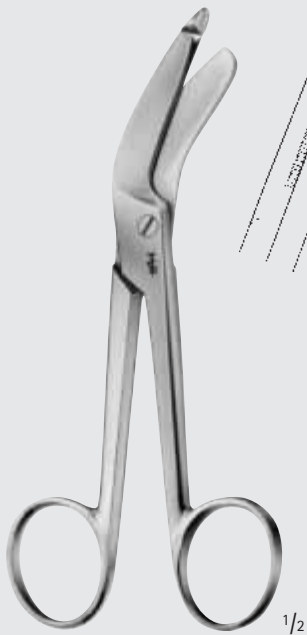
**BC**



BC860R	BC861R	BC862R	BC863R
115 mm	140 mm	180 mm	200 mm
4 1/2"	5 1/2"	7"	8"

LISTER

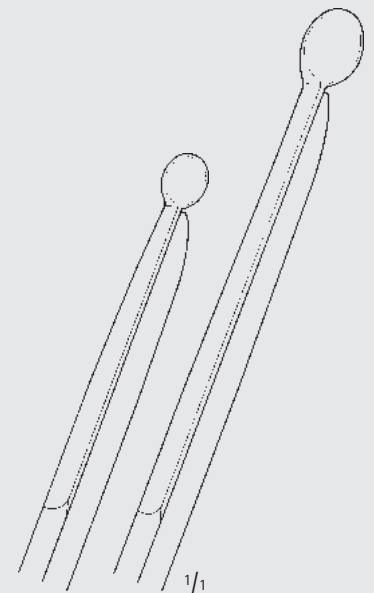
**BC860R-BC860R**



LISTER

**BC876R**

160 mm, 6 1/4"



BC848R	BC849R
155 mm	180 mm
6"	7"

LISTER

**BC848R-BC849R**

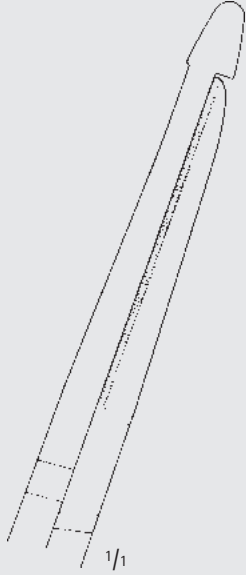


MILLIMETERS

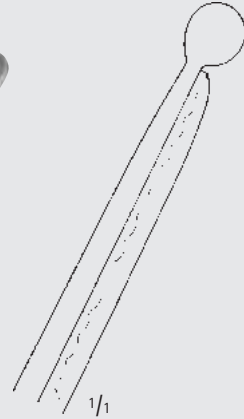
## Scheren – Scissors

Verbands-, Kleider- und Gippscheren  
Bandage-, Cloth- and Plaster Scissors

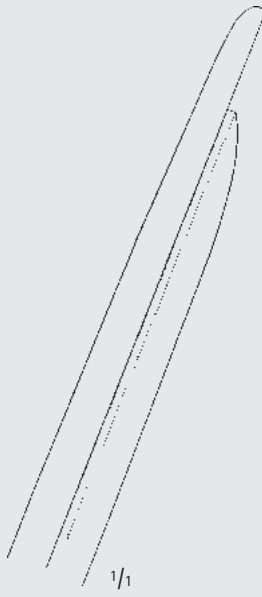
BC



**BC888R**  
Kleiderschere  
Cloth scissors  
205 mm, 8"



**LX548R**  
für kleine Gipsverbände  
for small plaster dressings  
160 mm, 6 1/4"



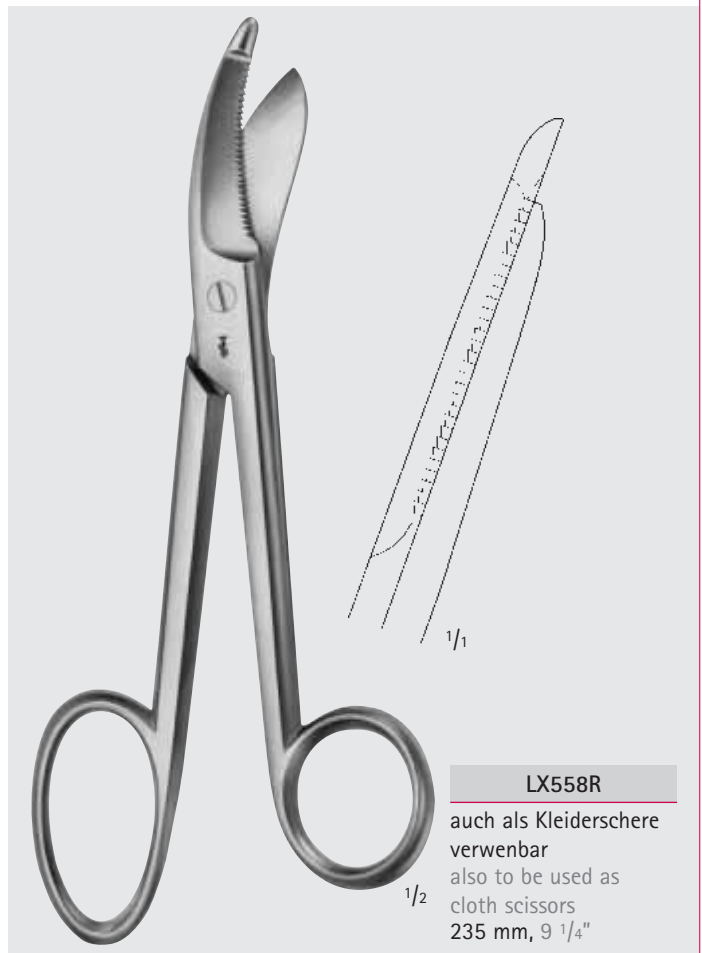
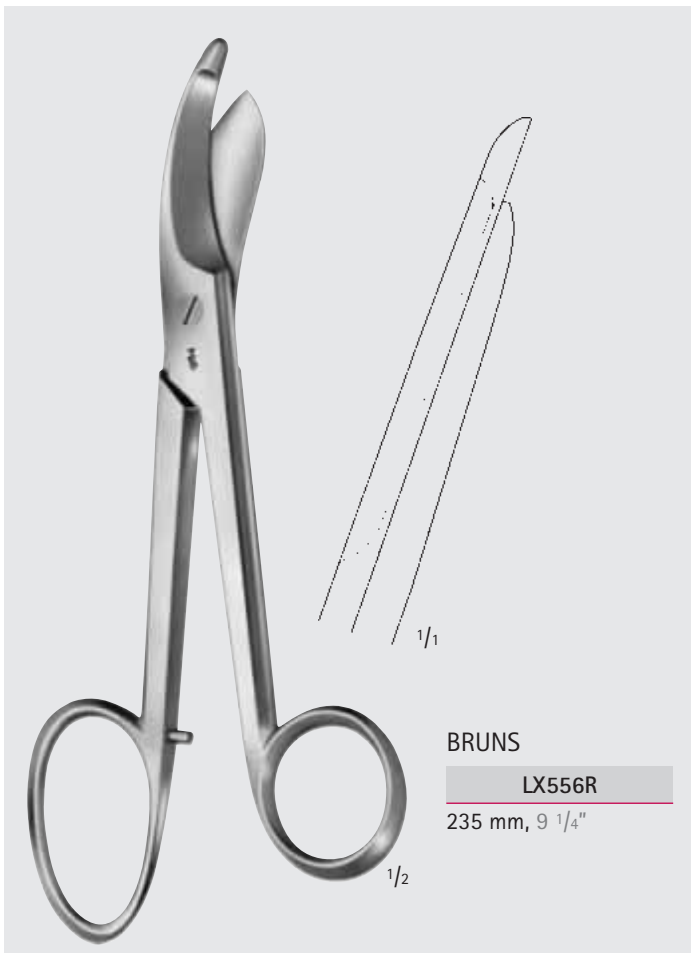
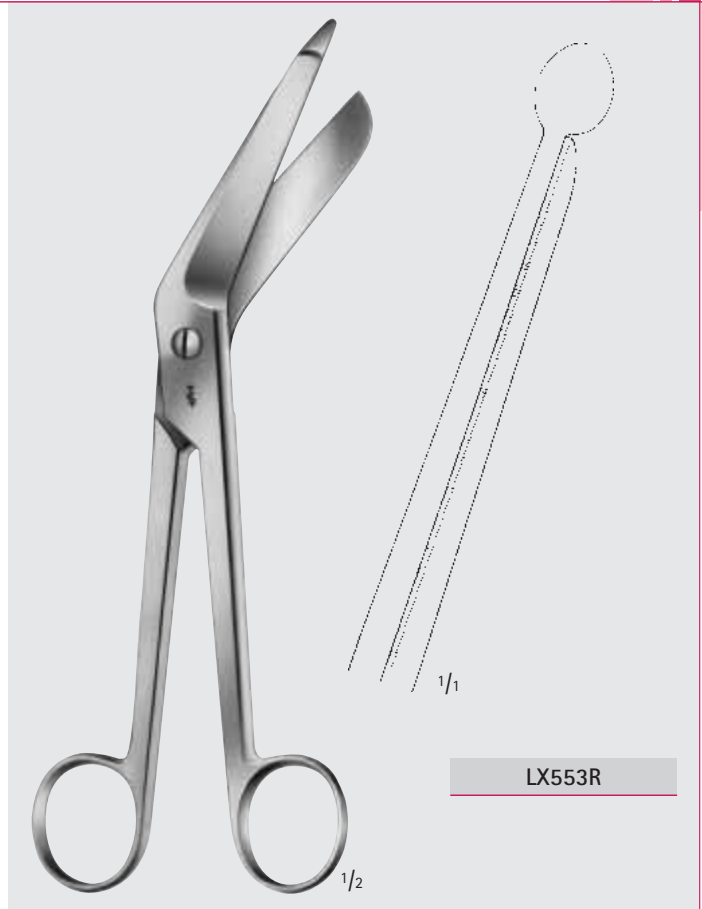
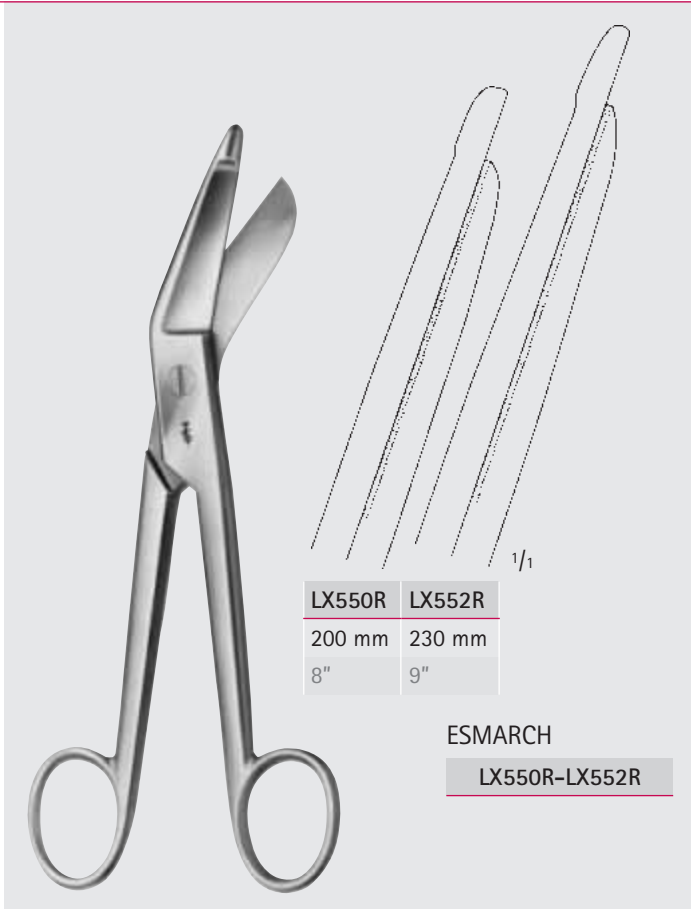
SEUTIN  
**LX565R**  
230 mm, 9"

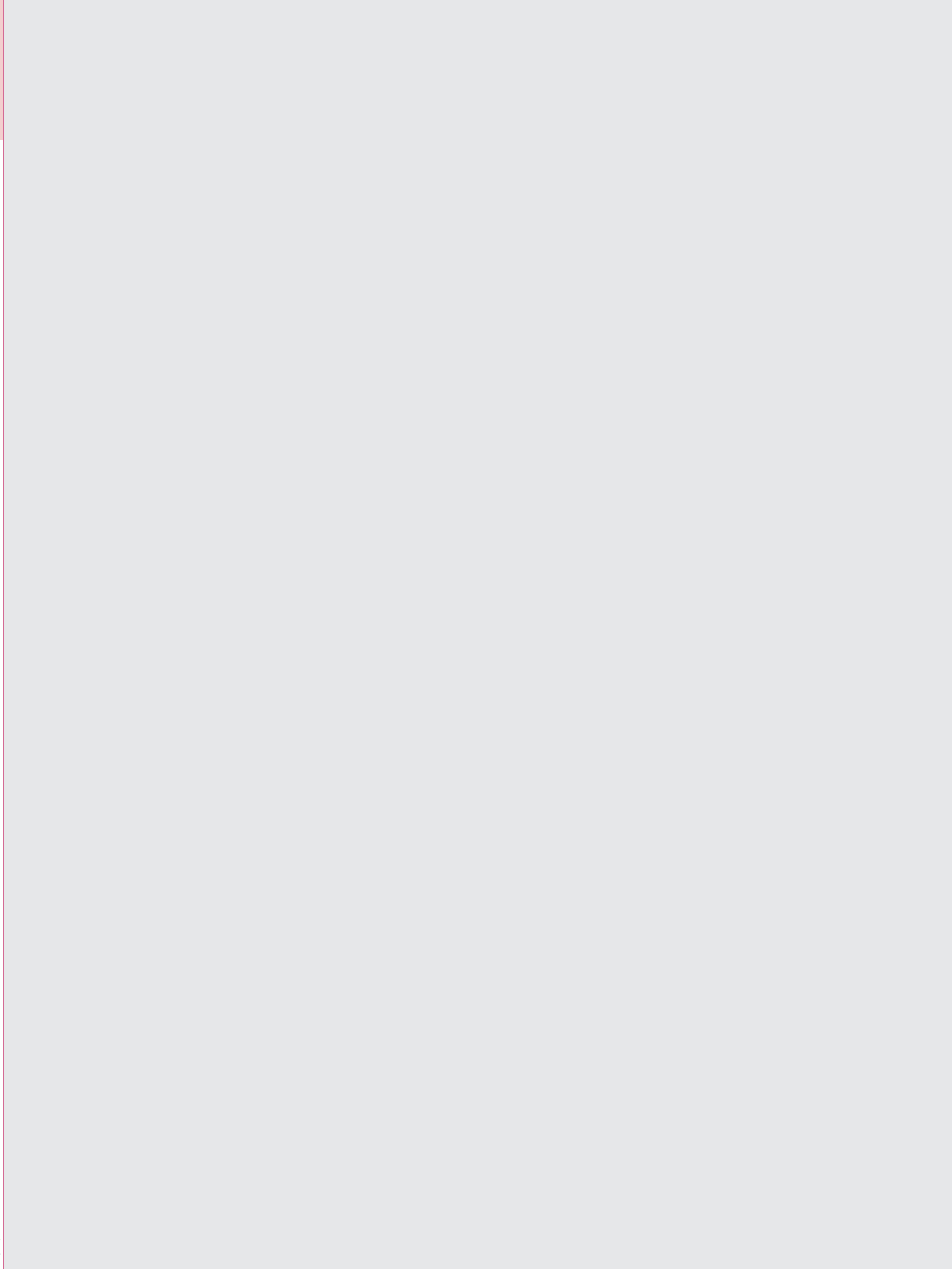




Scheren – Scissors  
Gipsscheren  
Plaster Scissors

BC





BD



Pinzetten

Dissecting- and Tissue Forceps

# Pinzetten – Dissecting- and Tissue Forceps

Mikro-Pinzetten, Uhrmacher Modelle

Micro Forceps, Jeweler Patterns

BD



0,2 mm

1/2

1/1

**BD330R**

110 mm, 4 3/8"

0,15 mm

1/2

1/1

**BD331R**

110 mm, 4 3/8"

0,3 mm

1/2

1/1

**BD329R**

110 mm, 4 3/8"

0,2 mm

1/2

1/1

**BD333R**

115 mm, 4 1/2"

0,4 mm

1/2

1/1

1 x 2 Zähne  
1 x 2 teeth

**BD343R**

115 mm, 4 1/2"

0,3 mm

1/2

1/1

**BD335R**

135 mm, 5 1/4"

0,4 mm

1/2

1/1

1 x 2 Zähne  
1 x 2 teeth

**BD345R**

135 mm, 5 1/4"

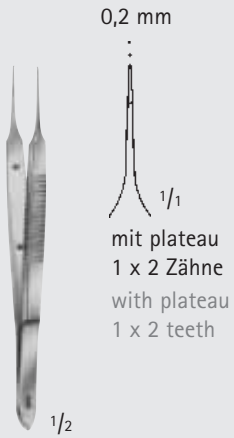
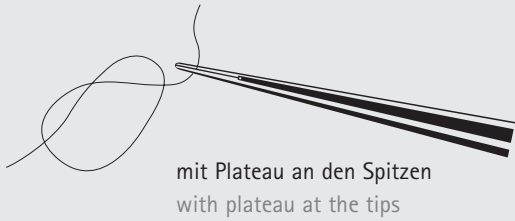


# Pinzetten – Dissecting- and Tissue Forceps

## Mikro-Knüpfpinzetten

### Mico Suture Tying Forceps

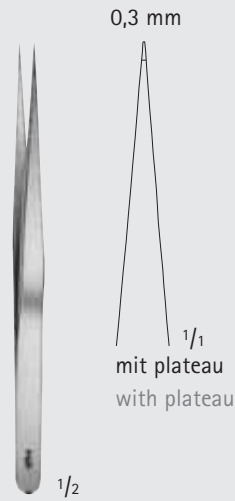
**BD**



**BONNER MODELL**

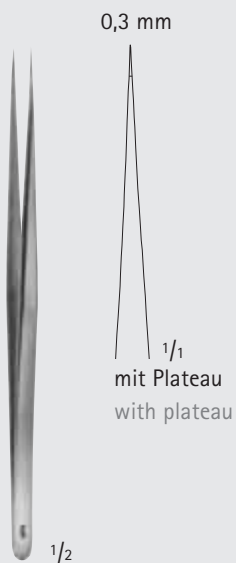
**BD505R**

95 mm, 3 3/4"



**BD338R**

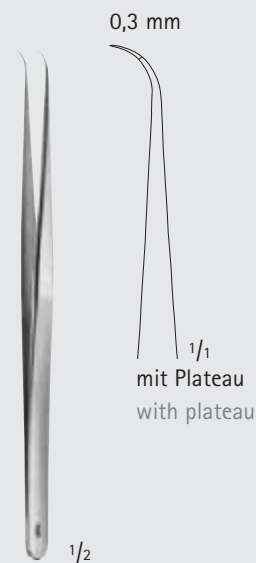
120 mm, 4 3/4"



**WISE**

**BD336R**

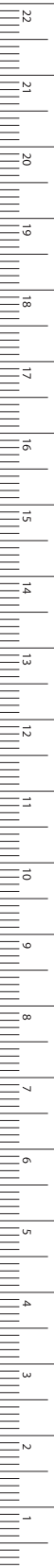
135 mm, 5 1/4"



**WISE**

**BD337R**

135 mm, 5 1/4"



## Pinzetten – Dissecting- and Tissue Forceps

Mikro-Knüpfpinzetten

Mico Suture Tying Forceps

BD

0,5 mm



1/2

LAZAR

**BD260R**

155 mm, 6"

0,8 mm



1/2

LAZAR

**BD261R**

155 mm, 6"

0,5 mm



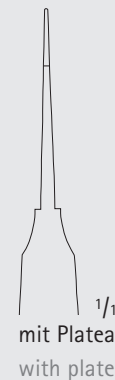
mit Plateau  
with plateau

1/2

**BD264R**

185 mm, 7 1/4"

0,8 mm



mit Plateau  
with plateau

1/2

AUSTIN

**BD340R**

140 mm, 5 1/2"



## Pinzetten – Dissecting- and Tissue Forceps

### Mikro-Pinzetten mit leichtem Kunststoffgriffprofil

### Micro Forceps with Lightweight Plastic Handle



#### Das MÜLLER Mikro-Instrumentarium

Ein neues, hochwertiges Set für die periphere Mikrochirurgie. Zahlreiche praxisbewährte Details führen zu mehr Effektivität und Sicherheit.

#### ■ Unverkrampte Haltung = mehr Feingefühl

Das leichte Kunststoffprofil vergrößert die Griffoberfläche, gewährleistet dadurch eine unverkrampte 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.

#### 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

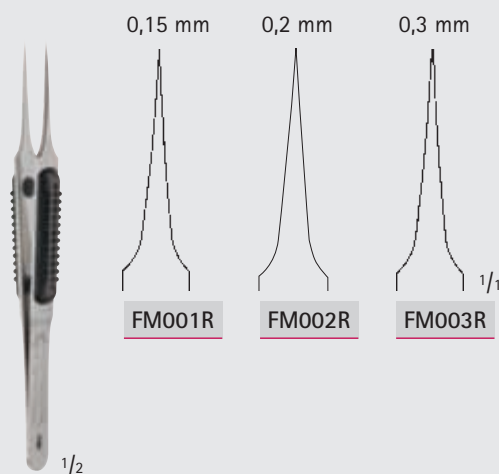
The round grip cross section permits easy and uniform rotation of the instrument. This extends the application and working areas.

#### ■ Safe grip

The easy grip studded profile guarantees a secure hold for all movements.

#### ■ Optimum handling

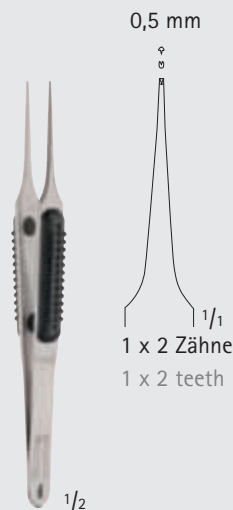
Development in accordance with ergonomic criteria and the low weight of the new plastic grips provide fatiguefree working and optimum handling.



MÜLLER

FM001R-FM003R

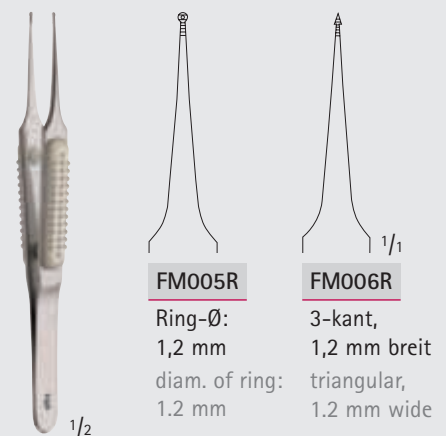
110 mm, 4 3/8"



MÜLLER

FM004R

110 mm, 4 3/8"



MÜLLER

FM005R-FM006R

110 mm, 4 3/8"

## Pinzetten – Dissecting- and Tissue Forceps

Mikro-Pinzetten mit leichtem Kunststoffgriffprofil

Micro Forceps with Lightweight Plastic Handle

BD



0,3 mm

**FM033R**

0,4 mm

**FM036R**

mit Plateau  
with plateau

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



0,5 mm



1 x 2 Zähne  
1 x 2 teeth

MÜLLER  
**FM034R**  
160 mm, 6 1/4"



1,2 mm  
Ring-Ø  
diam. of ring  
1.2 mm

MÜLLER  
**FM035R**  
160 mm, 6 1/4"





## Pinzetten – Dissecting- and Tissue Forceps

### Mikro-Knüpfpinzetten mit Rundgriffen

### Micro Suture Tying Forceps with Round Handle

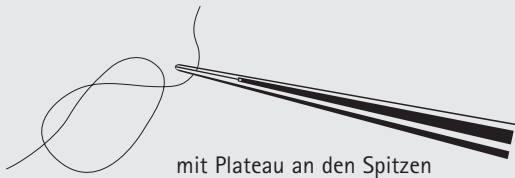


... mit Rundgriffen

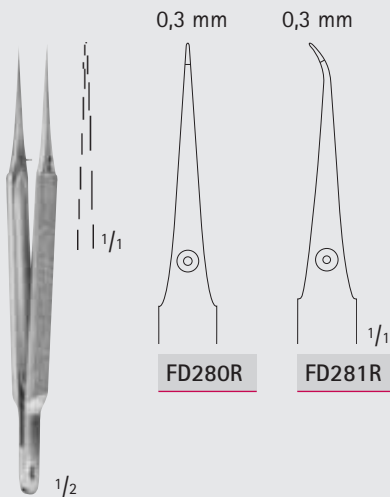
- Rundgriffe erlauben Drehbewegungen zwischen den Fingern.
- Optimale Balance, individuell je nach Instrument, durch volle oder gehöhlte Griffpartien.

... with round handles

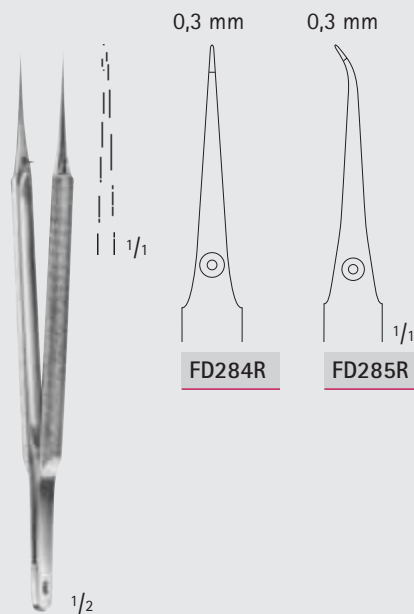
- Round handles allow turning manipulations between the fingers.
- Optimum balance individually for each instrument due to solid or hollowed-out handles.



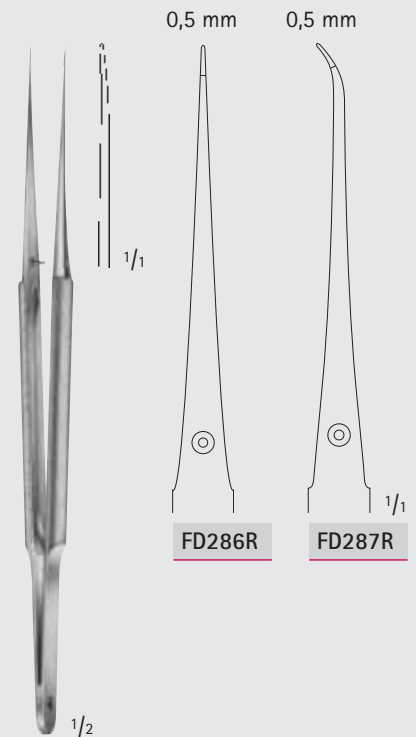
mit Plateau an den Spitzen  
with plateau at the tips



**FD280R-FD281R**  
120 mm, 4 3/4"

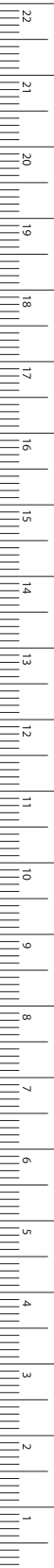


**FD284R-FD285R**  
150 mm, 6"



**FD286R-FD287R**  
180 mm, 7"

BD



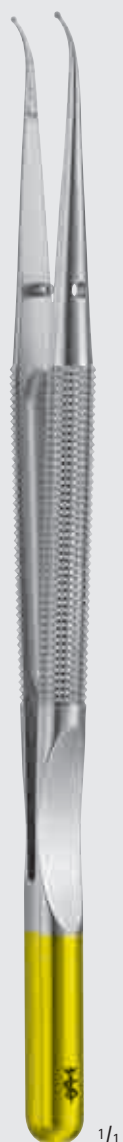
MILLIMETERS

## Pinzetten – Dissecting- and Tissue Forceps

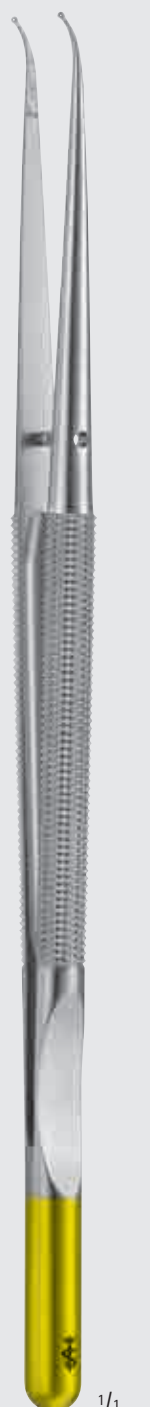
Mikro-Pinzetten mit Rundgriff und Gewicht

Micro Forceps with Round Handles and Counter Balance

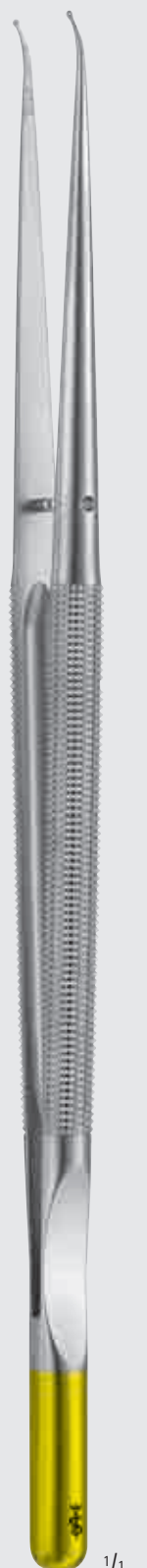
BD



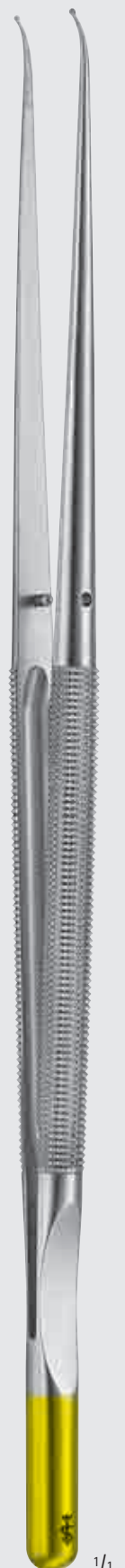
150 mm, 6"  $\frac{1}{1}$



185 mm, 7  $\frac{1}{4}$ "  $\frac{1}{1}$



210 mm, 8  $\frac{1}{4}$ "  $\frac{1}{1}$



230 mm, 9"  $\frac{1}{1}$



250 mm, 10"  $\frac{1}{1}$

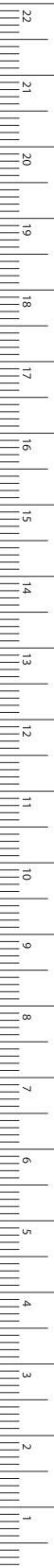


## Pinzetten – Dissecting- and Tissue Forceps

### Mikro-Pinzetten mit Rundgriff und Gewicht

### Micro Forceps with Round Handles and Counter Balance

BD



DIADUST



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

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

Maulform  
Jaw

Ring-Ø:  
1 mm,  
gerade  
diam. of ring:  
1 mm,  
straight



Ring-Ø:  
1 mm,  
gebogen  
diam. of ring:  
1 mm,  
curved



Ring-Ø:  
2 mm,  
gerade  
diam. of ring:  
2 mm,  
straight



Fadenplatte,  
gerade  
Platform tips,  
straight



Fadenplatte,  
gebogen  
Platform tips,  
curved



1 mm,  
DeBakey  
Zahnung  
1 mm,  
DeBakey tip



Länge (mm)  
Length (in.)

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](#)

MILLIMETERS

## Pinzetten – Dissecting- and Tissue Forceps

Mikro-Pinzetten mit Rundgriff, ohne Gewicht

Micro Forceps with Round Handles, without Counter Balance

BD



185 mm, 7 1/4" 1/1

210 mm, 8 1/4" 1/1

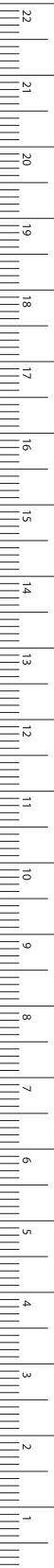


## Pinzetten – Dissecting- and Tissue Forceps

### Mikro-Pinzetten mit Rundgriff, ohne Gewicht

#### Micro Forceps with Round Handles, without Counter Balance

BD



MILLIMETERS

DIADUST



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

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

Maulform  
Jaw

Ring-Ø:  
1 mm,  
gerade  
diam. of ring:  
1 mm,  
straight



Ring-Ø:  
1 mm,  
gebogen  
diam. of ring:  
1 mm,  
curved



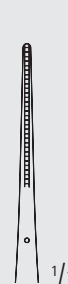
Ring-Ø:  
1 mm mit  
Fadenplatte  
diam. of ring:  
1 mm with  
platform tip



Fadenplatte,  
gerade  
Platform tip,  
straight



1 mm,  
DeBakey  
Zahnung  
1 mm,  
DeBakey tip



Länge (mm)  
Length (in.)

185 mm  
7 1/4"

[FM597R](#)

[FM587R](#)

[FM582R](#)

[FM586R](#)

[FM590R](#)

210 mm  
8 1/4"

[FM598R](#)

[FM589R](#)

[FM584R](#)

[FM588R](#)

[FM591R](#)

## Pinzetten – Dissecting- and Tissue Forceps

Mikro-Pinzetten mit Flachgriff

Micro Forceps with Flat Handle

BD



180 mm, 7"  $\frac{1}{1}$



200 mm, 8"  $\frac{1}{1}$



250 mm, 10"  $\frac{1}{1}$

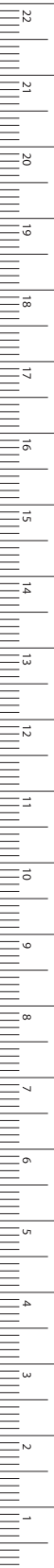


## Pinzetten – Dissecting- and Tissue Forceps

### Mikro-Pinzetten mit Flachgriff

### Micro Forceps with Flat Handle

BD



MILLIMETERS

DIADUST



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

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

Maulform  
Jaw

1 mm,  
Karoprofil

1 mm,  
cross serrated



1 mm,  
DeBakey  
Zahnung

1 mm,  
DeBakey tip



Ring-Ø:  
1 mm,  
gerade

diam. of ring:  
1 mm,  
straight



Ring-Ø:  
1 mm,  
gebogen

diam. of ring:  
1 mm,  
curved



1 mm,  
gerade

1 mm,  
straight



Länge (mm)  
Length (in.)

180 mm  
7"

**BD190R**

**BD191R**

**BD192R**

**BD193R**

**BD194R**

200 mm  
8"

**BD195R**

**BD196R**

250 mm  
10"

**BD197R**

1/1

# Pinzetten – Dissecting- and Tissue Forceps

Mikro-Pinzetten

Micro Forceps

BD



1/1  
Karoprofil  
cross serrated

1/2

**FM063R**

Rundgriff  
round handle  
200 mm, 8"



**FM053R**

Ring-Ø: 2,5 mm  
diam. of ring: 2.5 mm

180 mm

7"



**FM054R**

Ring-Ø: 2,5 mm  
diam. of ring: 2.5 mm

200 mm

8"

**FM053R-FM054R**

Rundgriff  
round handle



1/1  
mit Plateau  
with platform tip

1/2

**FD253R**

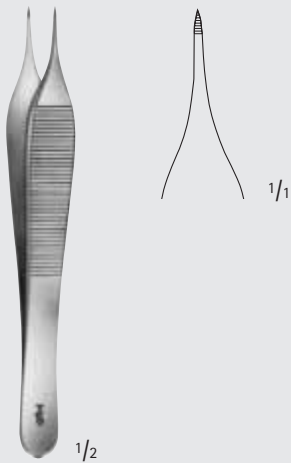
Rundgriff  
round handle  
180 mm, 7"





**Pinzetten – Dissecting- and Tissue Forceps**  
 Feine anatomische Pinzetten  
 Delicate Dissecting Forceps

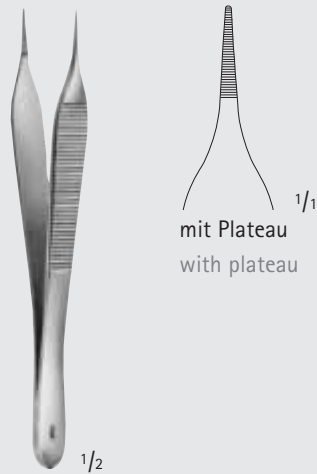
**BD**



**THORPE**

**OC069R**

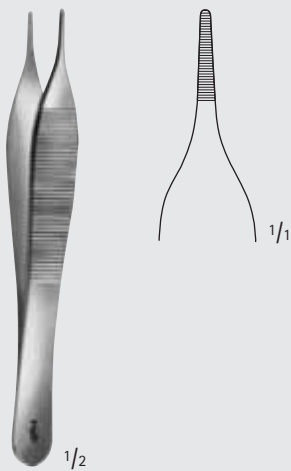
Hornhautpinzette  
 Corneal forceps  
 120 mm, 4 3/4"



**MICRO-ADSON**

**BD220R**

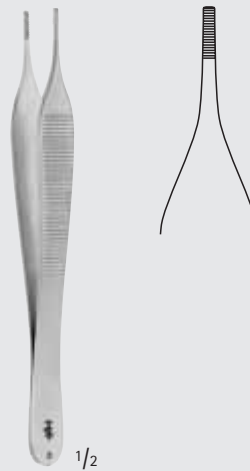
120 mm, 4 3/4"



**ADSON**

**BD222R**

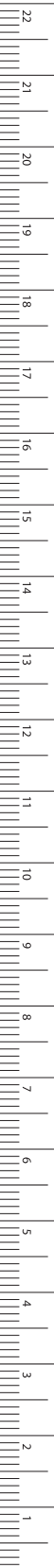
120 mm, 4 3/4"



**HUDSON**

**BD225R**

125 mm, 5"

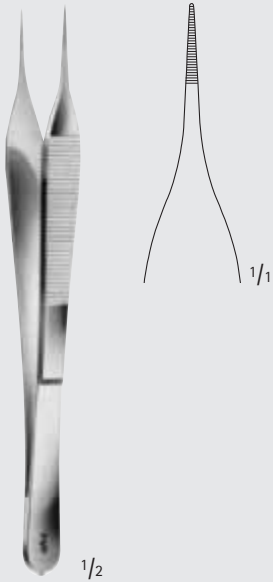


## Pinzetten – Dissecting- and Tissue Forceps

Feine anatomische Pinzetten

Delicate Dissecting Forceps

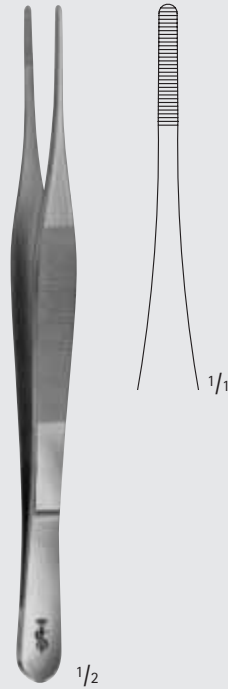
BD



MICRO-ADSON

**BD223R**

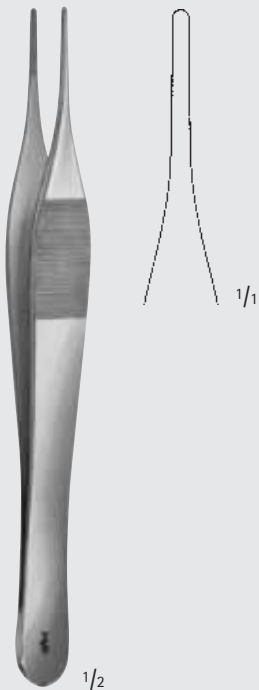
150 mm, 6"



ADSON

**BD224R**

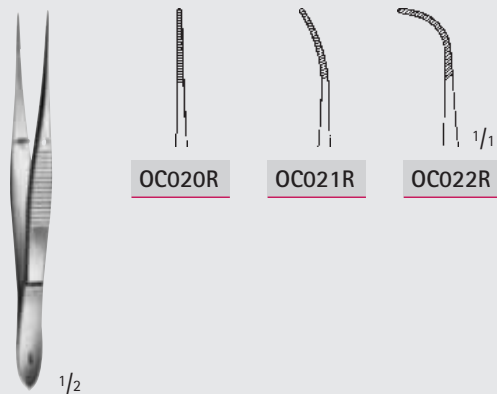
180 mm, 7"



JEFFERSON

**BD226R**

180 mm, 7"



**OC020R**

**OC021R**

**OC022R**

**OC020R-OC022R**

100 mm, 4"

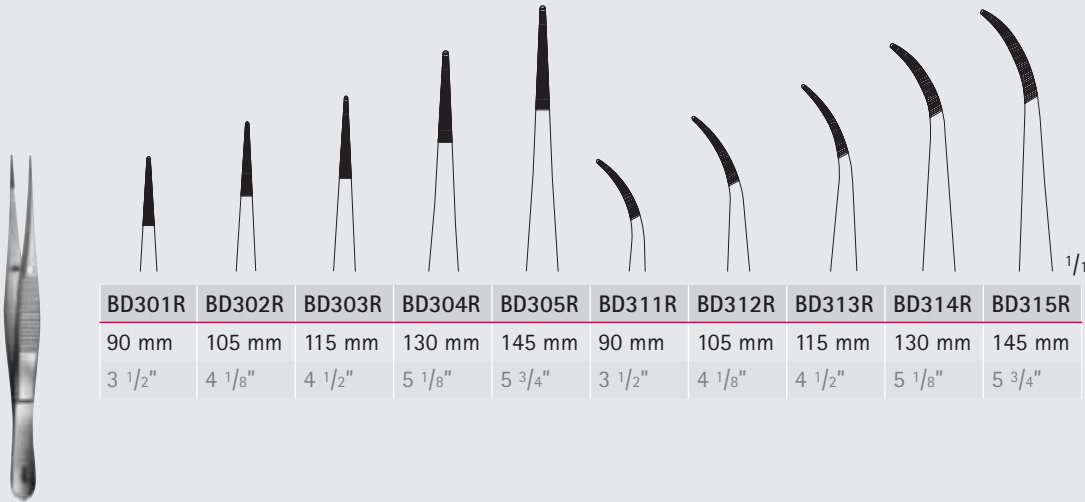




# Pinzetten – Dissecting- and Tissue Forceps

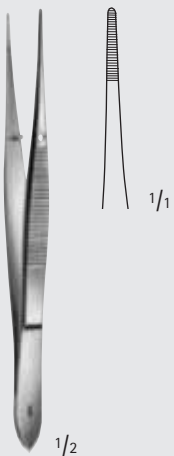
Feine anatomische Pinzetten  
Delicate Dissecting Forceps

BD



BD301R	BD302R	BD303R	BD304R	BD305R	BD311R	BD312R	BD313R	BD314R	BD315R
90 mm	105 mm	115 mm	130 mm	145 mm	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"	3 1/2"	4 1/8"	4 1/2"	5 1/8"	5 3/4"

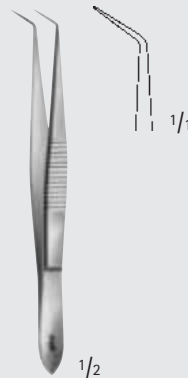
**BD301R–BD315R**



**BD210R**  
115 mm, 4 1/2"



**BD320R**  
100 mm, 4"



**BD321R**  
100 mm, 4"



**BD322R**  
100 mm, 4"



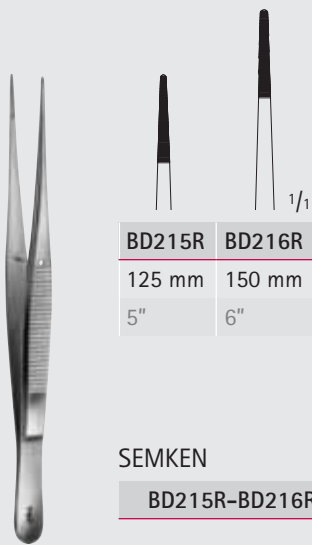
MILLIMETERS

# Pinzetten – Dissecting- and Tissue Forceps

Feine anatomische Pinzetten

Delicate Dissecting Forceps

BD



BD215R	BD216R
125 mm	150 mm
5"	6"

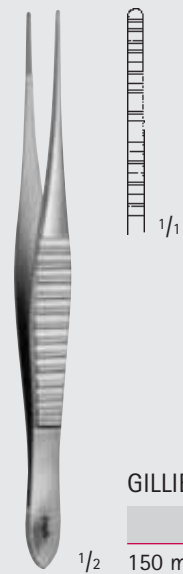
SEMKEN

**BD215R-BD216R**



**BD217R**

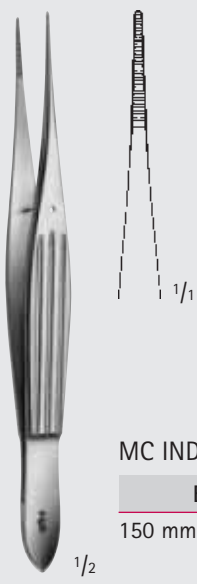
1/2 155 mm, 6"



GILLIES

**BD213R**

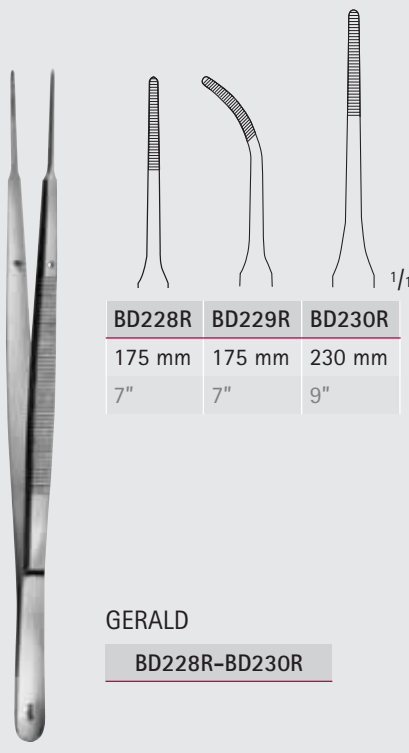
1/2 150 mm, 6"



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**

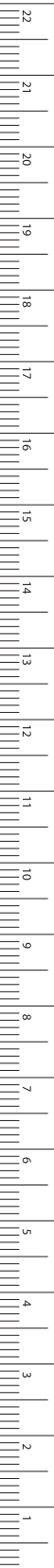
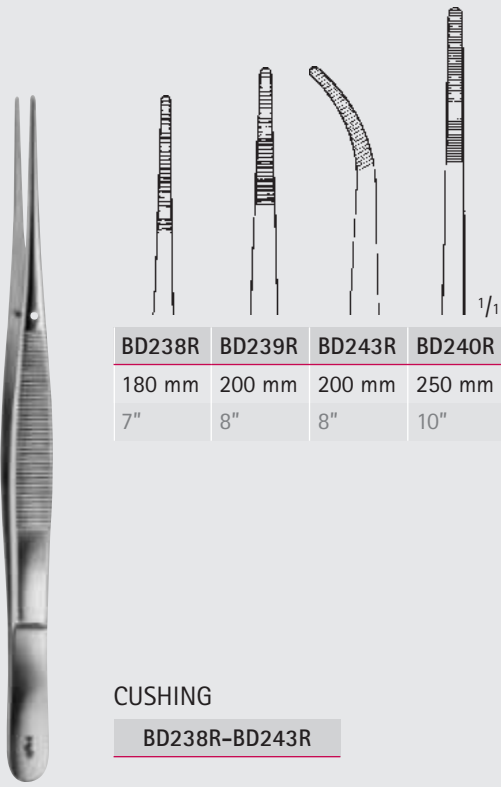


# Pinzetten – Dissecting- and Tissue Forceps

## Feine Anatomische Pinzetten

### Delicate Dissecting Forceps

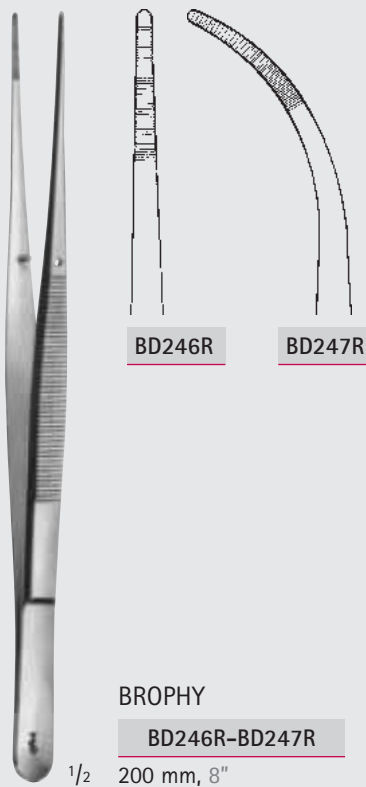
BD

BD238R	BD239R	BD243R	BD240R
180 mm	200 mm	200 mm	250 mm
7"	8"	8"	10"

**CUSHING**

**BD238R-BD243R**

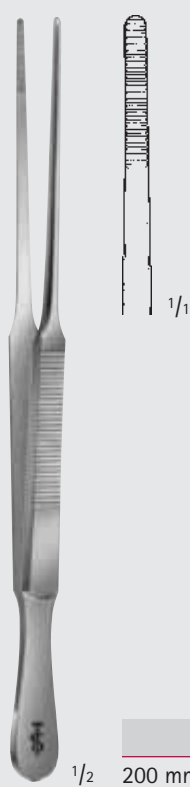


**BD246R**      **BD247R**

**BROPHY**


**BD246R-BD247R**

1/2 200 mm, 8"



**BD081R**

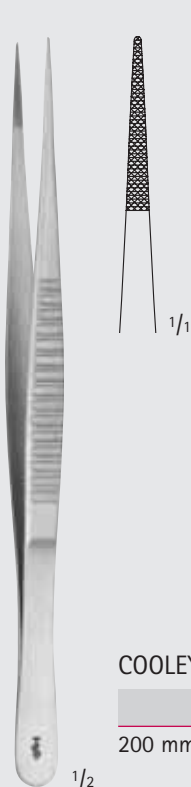
1/2 200 mm, 8"



BD231R	BD232R
185 mm	200 mm
7 1/4"	8"

**BD231R-BD232R**

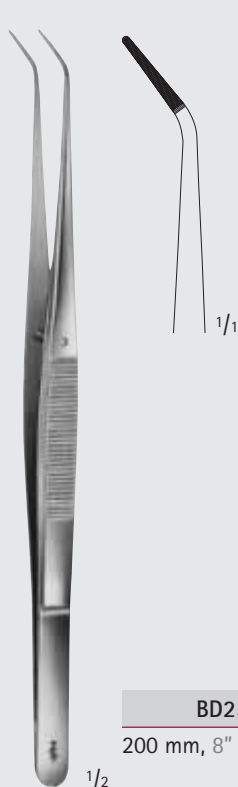
glattes Maul  
smooth jaws



**BD250R**

**COOLEY**

1/2 200 mm, 8"



**BD257R**

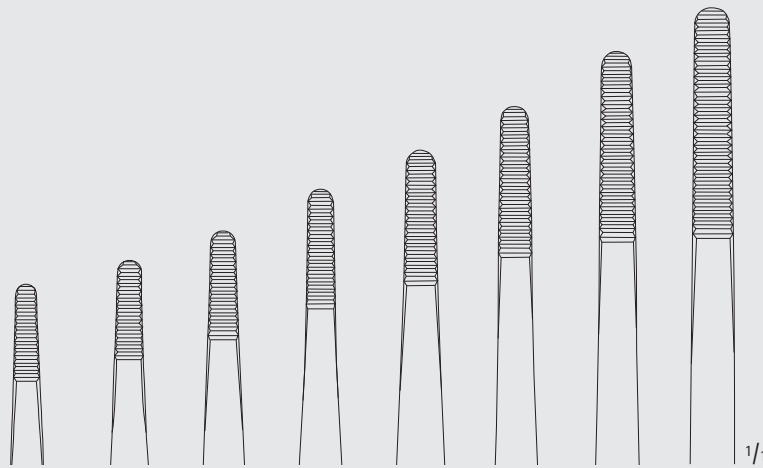
1/2 200 mm, 8"

# Pinzetten – Dissecting- and Tissue Forceps

Anatomische Pinzetten

Dissecting Forceps

BD

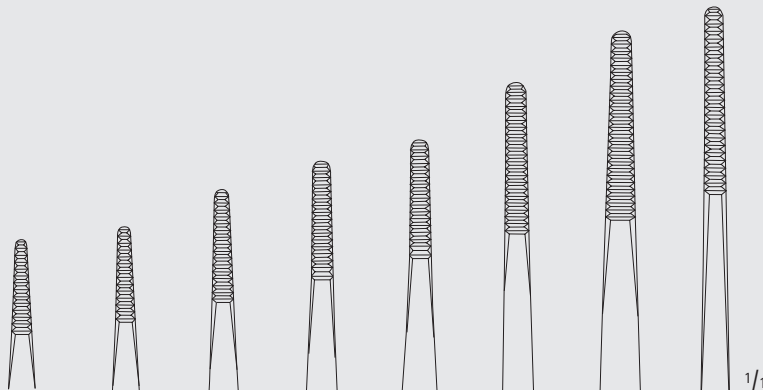


BD043R	BD045R	BD047R	BD049R	BD050R	BD051R	BD052R	BD053R
115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm
4 1/2"	5 1/8"	5 3/4"	6 1/4"	7"	8"	10"	12"

## BD043R-BD053R

Standard-Modelle

Standard patterns



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

mittelbreit

medium

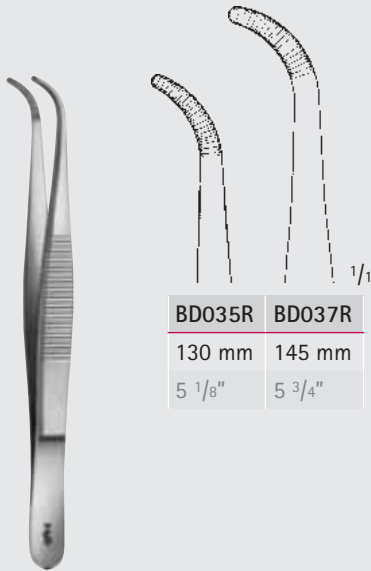


# Pinzetten – Dissecting- and Tissue Forceps

## Anatomische Pinzetten

### Dissecting Forceps

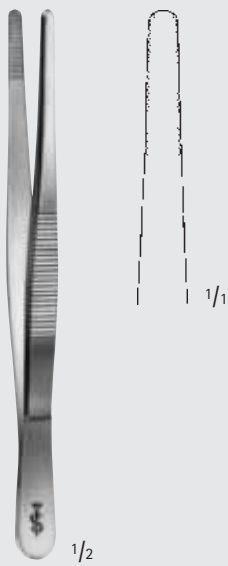
BD



BD035R	BD037R
130 mm	145 mm
5 1/8"	5 3/4"

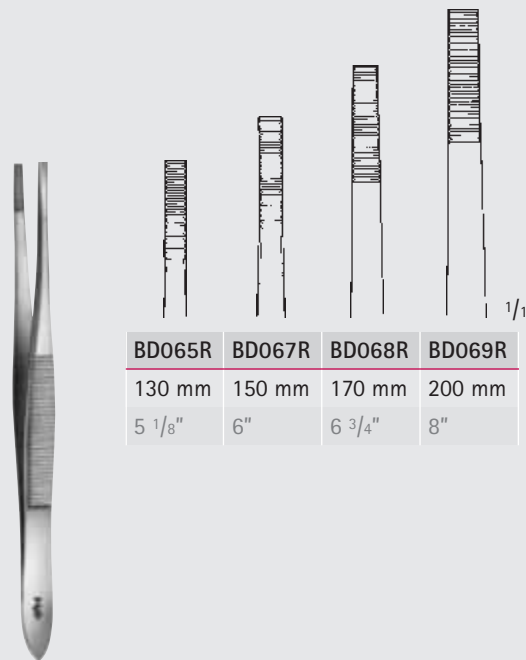
**BD035R-BD037R**

mittelbreit  
medium



**BD077R**

extra breit  
extra large  
145 mm, 5 3/4"



BD065R	BD067R	BD068R	BD069R
130 mm	150 mm	170 mm	200 mm
5 1/8"	6"	6 3/4"	8"

SCHWEDISCHES MODELL

**BD065R-BD069R**

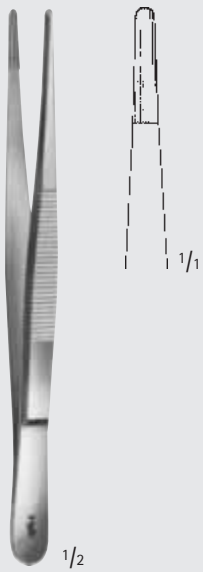


## Pinzetten – Dissecting- and Tissue Forceps

Anatomische Pinzetten

Dissecting Forceps

BD



OCHSNER

**BD130R**

Fadenpinzette

Ligature forceps

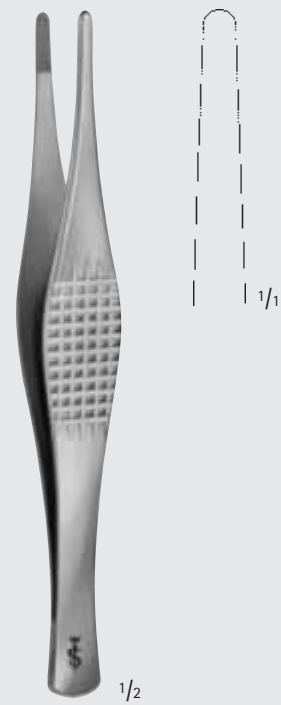
145 mm, 5 3/4"



BONNEY

**BD078R**

175 mm, 7"



RAMSEY

**BD083R**

180 mm, 7"





DE BAKEY Zahnung

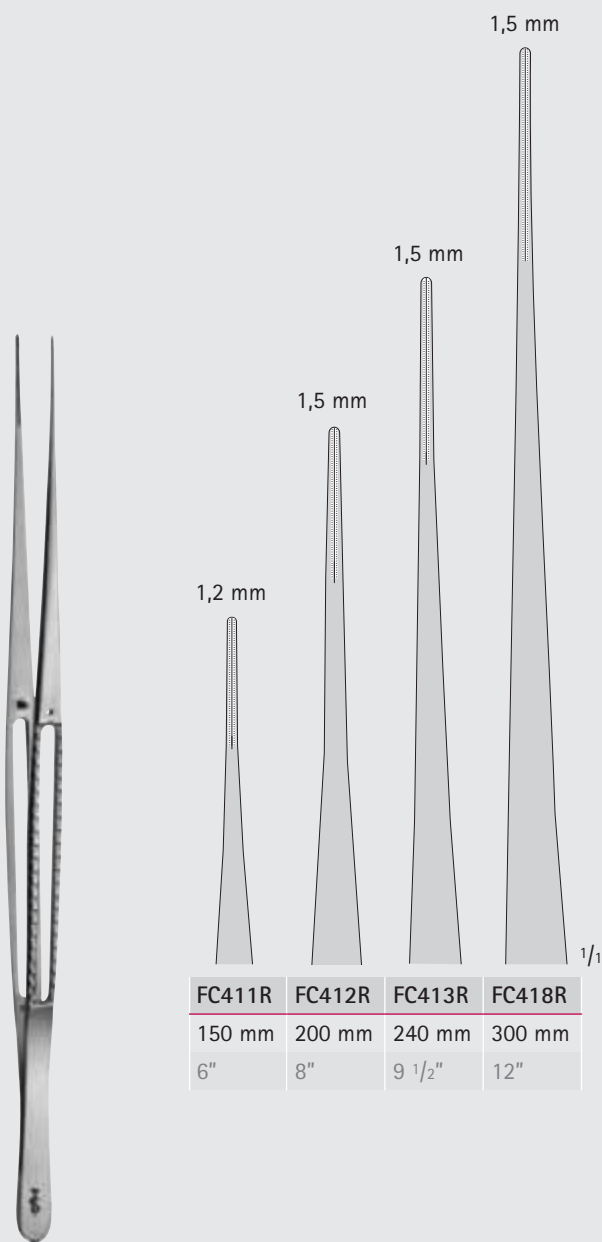
Toothing DE BAKEY

**AIRAUMATA®**

# Pinzetten – Dissecting- and Tissue Forceps

Ultra-Light-Pinzetten  
Ultra-Light-Forceps

**BD**



FC411R	FC412R	FC413R	FC418R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

DE BAKEY

FC411R-FC418R



MILLIMETERS

# Pinzetten – Dissecting- and Tissue Forceps

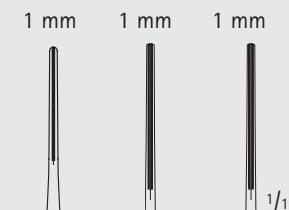
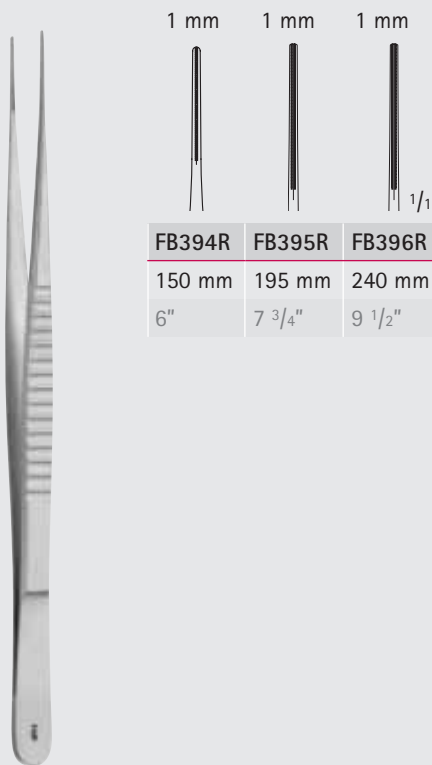
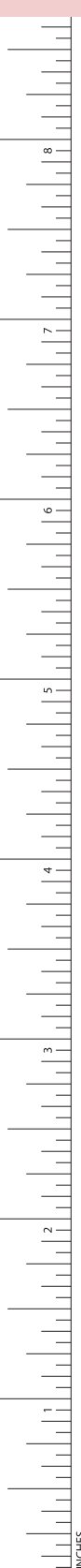
Pinzetten  
Forceps

DE BAKEY Zahnung

ARAUMATA®

Toothing DE BAKEY

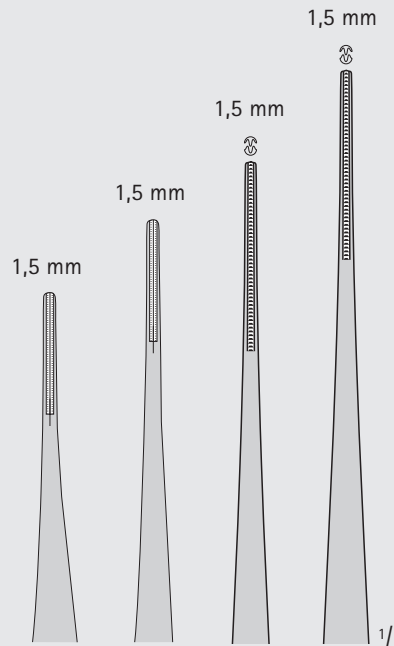
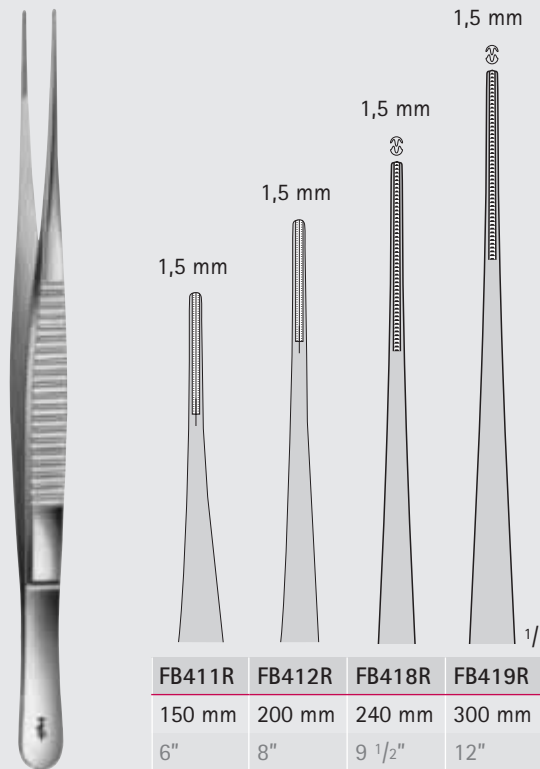
BD



FB394R	FB395R	FB396R
150 mm	195 mm	240 mm
6"	7 3/4"	9 1/2"

DE BAKEY

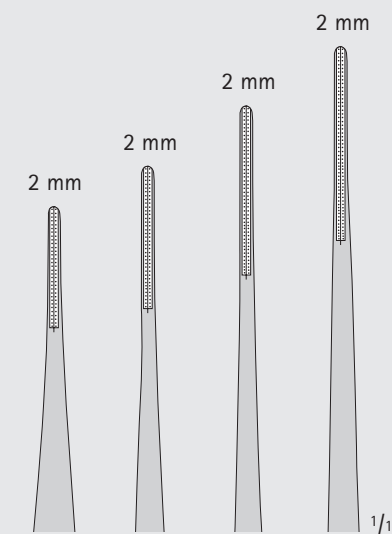
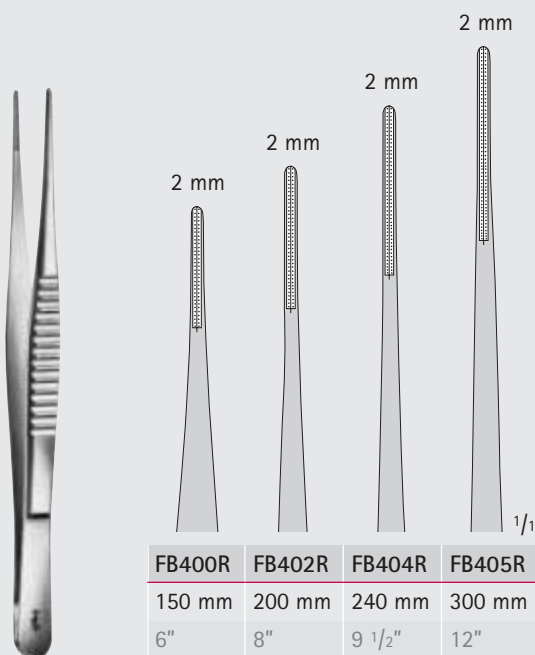
FB394R-FB396R



FB411R	FB412R	FB418R	FB419R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

DE BAKEY

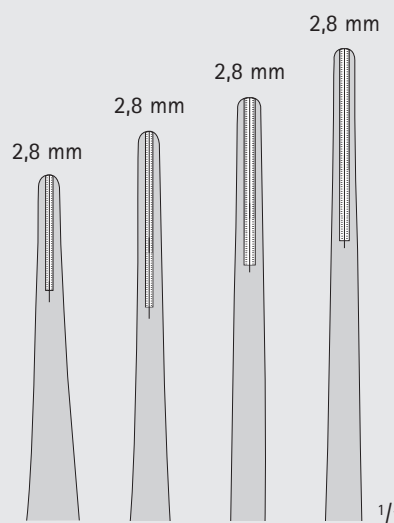
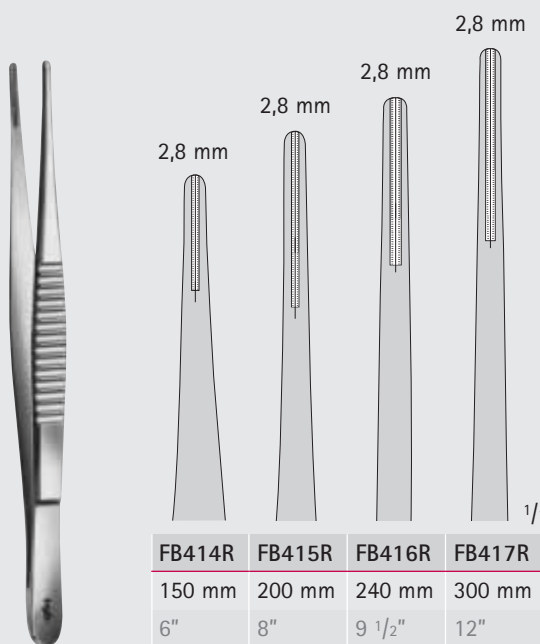
FB411R-FB419R



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



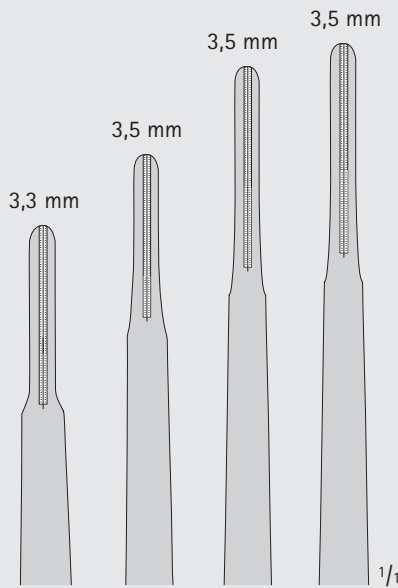
DE BAKEY Zahnung

Toothing DE BAKEY

**AIRAUMATA®**

## Pinzetten – Dissecting- and Tissue Forceps

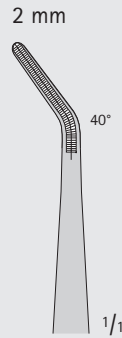
Pinzetten  
Forceps



FB406R	FB407R	FB408R	FB409R
200 mm	240 mm	300 mm	350 mm
8"	9 1/2"	12"	14"

DE BAKEY

**FB406R-FB409R**

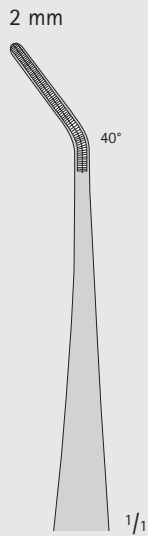


1/2

DE BAKEY

**FB401R**

150 mm, 6"

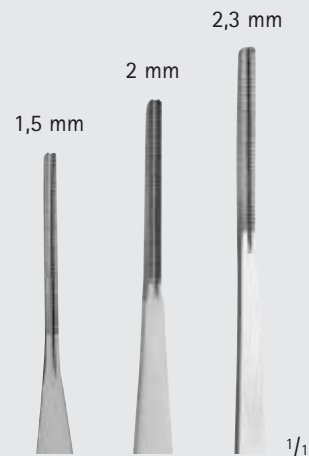


1/2

DE BAKEY

**FB403R**

200 mm, 8"

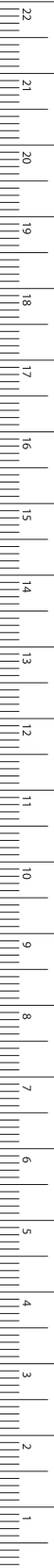


FB784R	FB785R	FB786R
150 mm	195 mm	240 mm
6"	7 3/4"	9 1/2"

COOLEY

**FB784R-FB786R**

**BD**

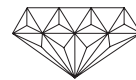


MILLIMETERS

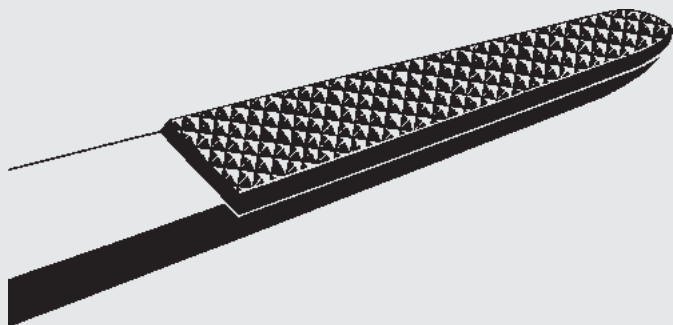
## Pinzetten – Dissecting- and Tissue Forceps

DUROGRIP® Atraumatische Pinzetten

DUROGRIP® Non-traumatic Dissecting Forceps



BD



- Fein strukturiertes und präzise gearbeitetes Haftprofil
- sicheres und zugleich schonendes Fassen
- universell verwendbar
- unverwüstlich im Gebrauch
- Precisely worked out fine structure of carbide inserts
- thus firm and non-traumatic gripping of tissue
- universal in use
- long working life



DUROGRIP®-Pinzetten mit Hartmetall-Plättchen

Kennzeichnung: vergoldete Feder

DUROGRIP®-Dissecting Forceps with carbide inserts

Identification: gold-plated end



ADSON

**BD151R**

120 mm, 4 3/4"

<b>BD154R</b>	<b>BD156R</b>
145 mm	180 mm
5 3/4"	7"

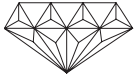
**BD154R-BD156R**

<b>BD157R</b>	<b>BD159R</b>
200 mm	250 mm
8"	10"

**BD157R-BD159R**

**BD158R**

230 mm, 9"



## Pinzetten – Dissecting- and Tissue Forceps

DUROGRIP® Pinzetten

DUROGRIP® Dissecting Forceps

BD



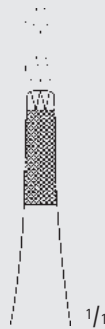
Besonders sicheres und schonendes Fassen des Fadens durch kissenförmige Maulform

Cushion shaped tip ensures a safe and gentle grasping of the thread

1/2

**BD180R**

Nahtpinzette  
Suture forceps  
200 mm, 8"



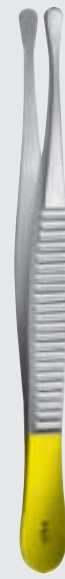
1/1

1/2

**FERRIS-SMITH**

**BD181R**

175 mm, 7"

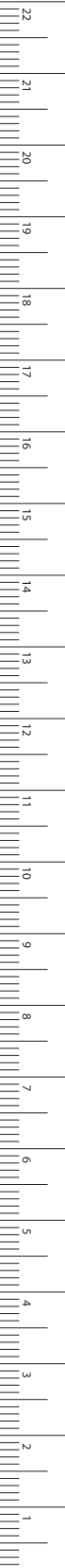


1/1

BD171R	BD173R
150 mm	230 mm
6"	9"

**WANGENSTEEN**

**BD171R-BD173R**

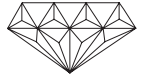


MILLIMETERS

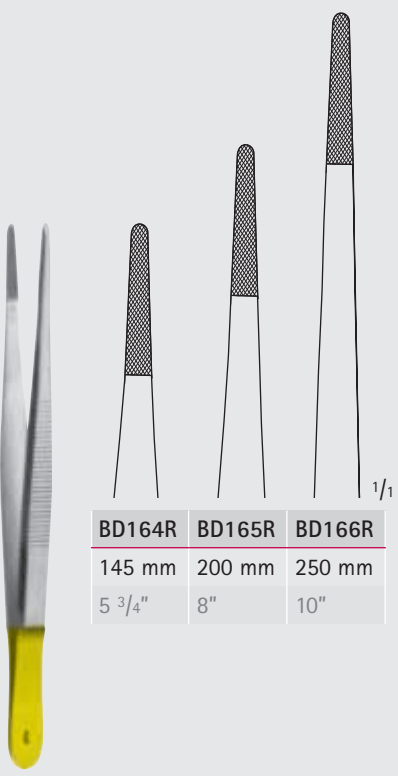
# Pinzetten – Dissecting- and Tissue Forceps

DUROGRIP® Pinzetten

DUROGRIP® Dissecting Forceps

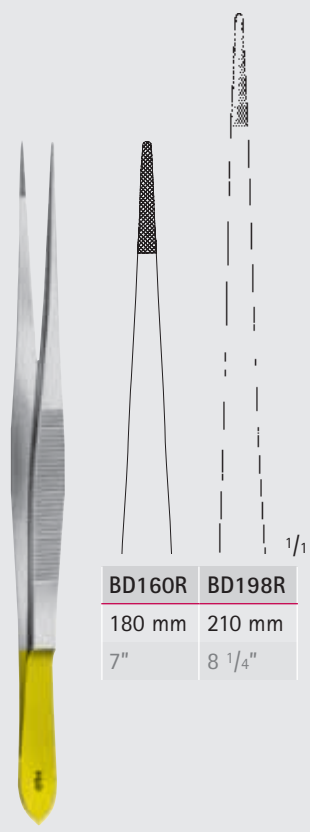


BD



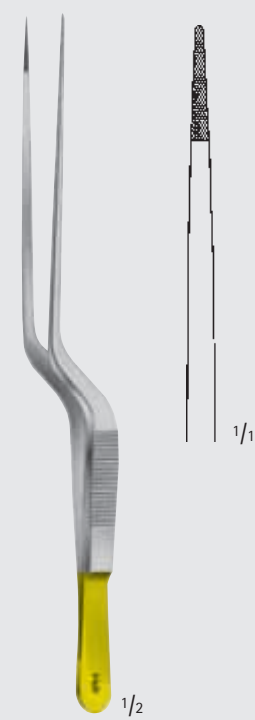
BD164R	BD165R	BD166R
145 mm	200 mm	250 mm
5 3/4"	8"	10"

**STANDARD**  
BD164R–BD166R



BD160R	BD198R
180 mm	210 mm
7"	8 1/4"

**CUSHING**  
BD160R–BD198R  
mit Schaber  
with scraper end

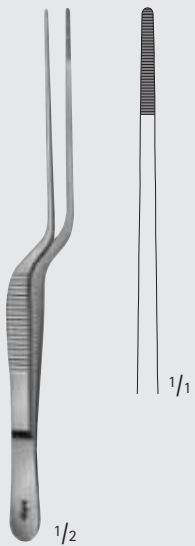


**GRUENWALD**  
BD168R  
185 mm, 7 1/4"



**Pinzetten – Dissecting- and Tissue Forceps**  
 Pinzetten, bajonettförmig gebogen  
 Forceps, Bayonet-Shaped

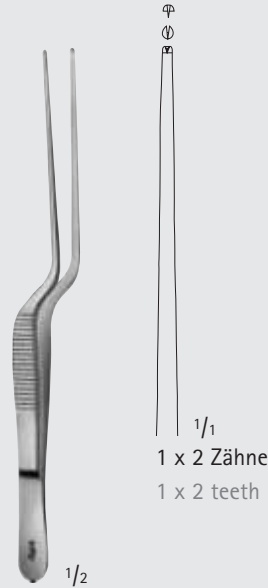
**BD**



LUCAE

**BD878R**

140 mm, 5 1/2"



LUCAE

**BD879R**

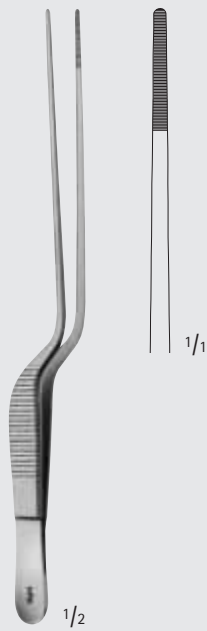
140 mm, 5 1/2"



COTTLE

**OL011R**

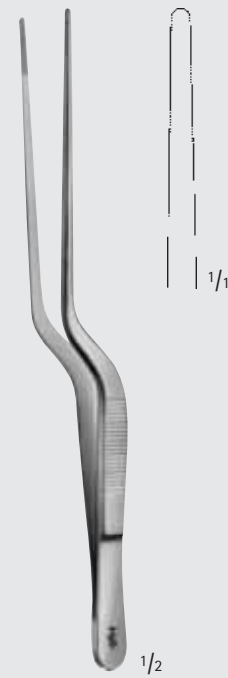
Fixierpinzette  
 Forceps  
 140 mm, 5 1/2"



JANSEN

**BD880R**

160 mm, 6 1/4"



ADSON

**BD870R**

175 mm, 7"



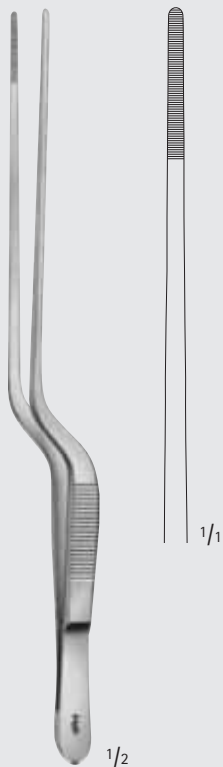
MILLIMETERS

## Pinzetten – Dissecting- and Tissue Forceps

Pinzetten, bajonettförmig gebogen

Forceps, Bayonet-Shaped

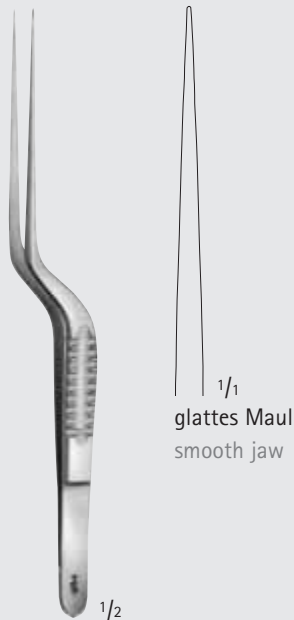
BD



GRUENWALD

**BD883R**

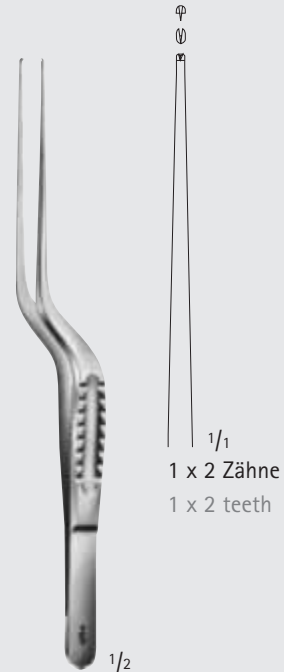
200 mm, 8"



glattes Maul  
smooth jaw

**BD887R**

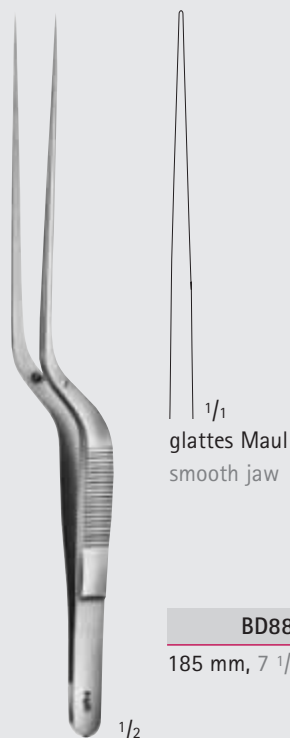
160 mm, 6 1/4"



1 x 2 Zähne  
1 x 2 teeth

**BD888R**

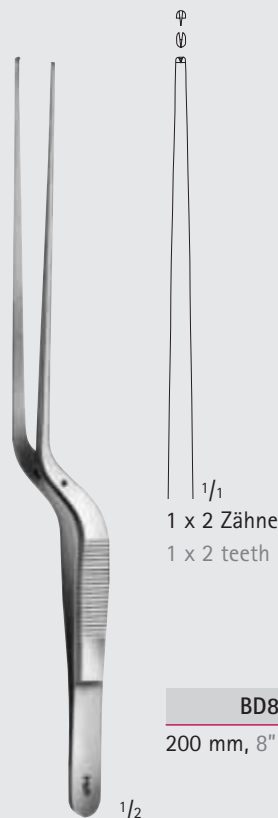
160 mm, 6 1/4"



glattes Maul  
smooth jaw

**BD885R**

185 mm, 7 1/4"



1 x 2 Zähne  
1 x 2 teeth

**BD886R**

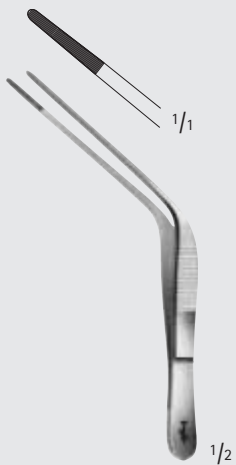
200 mm, 8"





**Pinzetten – Dissecting- and Tissue Forceps**  
 Pinzetten, kniegebogen  
 Forceps, Angular

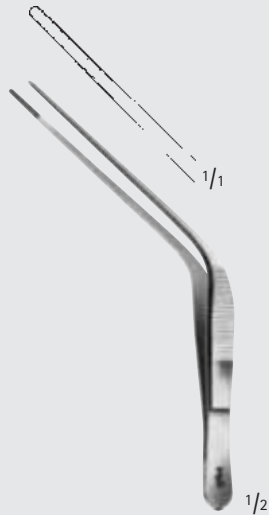
**BD**



TROELTSCH

**BD900R**

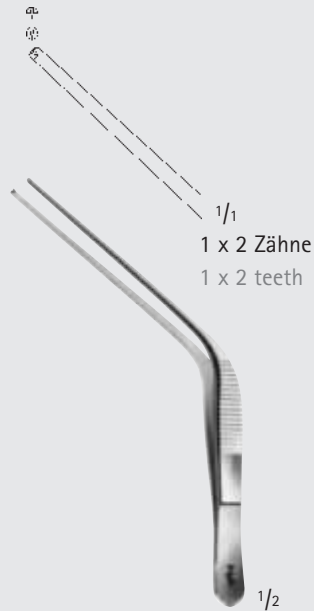
100 mm, 4"



TROELTSCH

**BD902R**

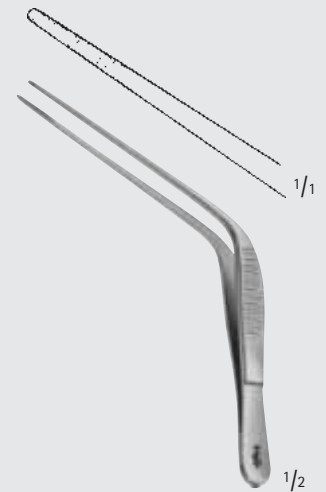
115 mm, 4 1/2"



TROELTSCH

**BD903R**

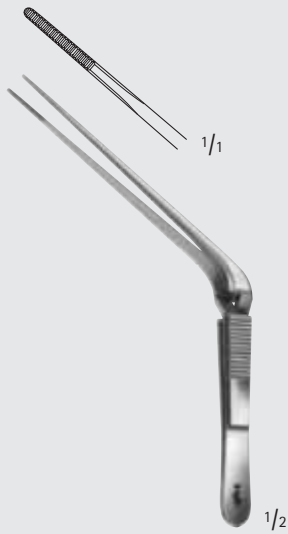
115 mm, 4 1/2"



WILDE

**BD904R**

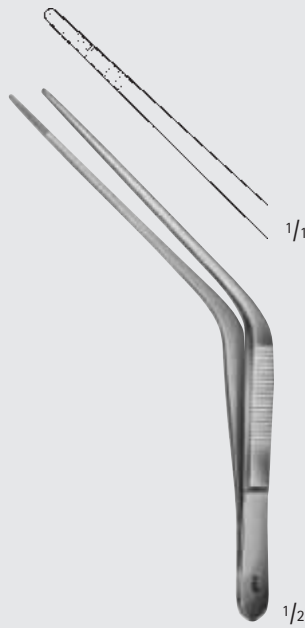
115 mm, 4 1/2"



TROELTSCH

**BD905R**

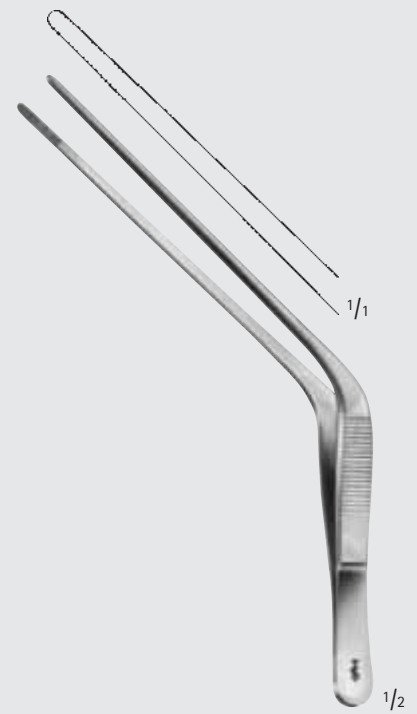
selbstschließend  
 cross action  
 120 mm, 4 3/4"



TROELTSCH

**BD910R**

140 mm, 5 1/2"



TROELTSCH

**BD911R**

170 mm, 6 3/4"



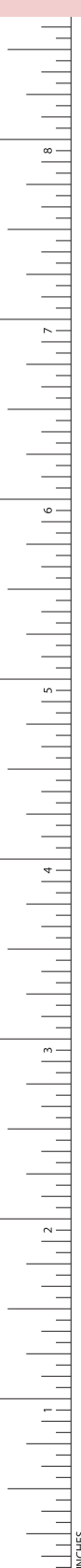
MILLIMETERS

## Pinzetten – Dissecting- and Tissue Forceps

Feine chirurgische Pinzetten

Delicate Tissue Forceps

BD



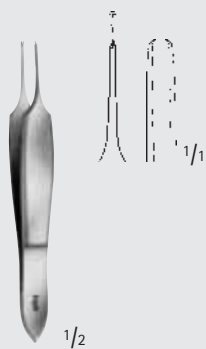
BISHOP-HARMON

**OC051R**

Augenpinzette

Eye forceps

85 mm, 3 1/2"



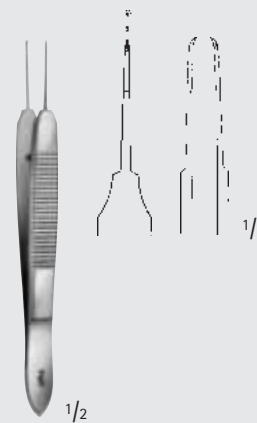
ST. MARTIN

**OC091R**

Augenpinzette

Eye forceps

80 mm, 3 1/8"



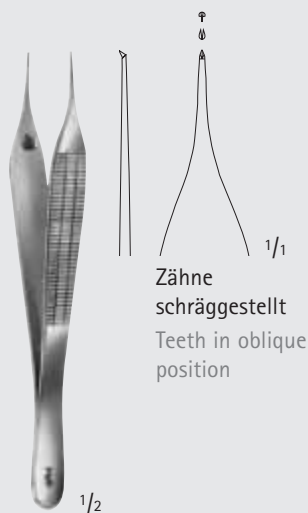
CASTROVIEJO

**OC094R**

Augenpinzette

Eye forceps

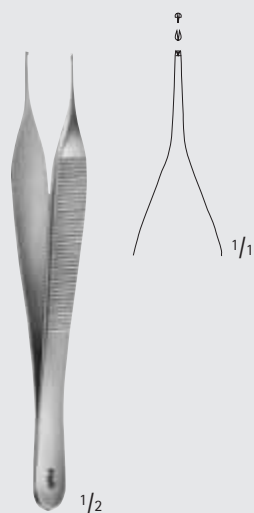
100 mm, 4"



MICRO-ADSON-BIEMER

**BD509R**

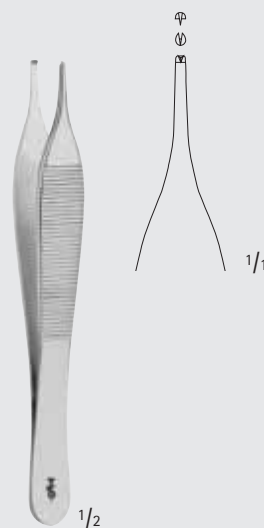
120 mm, 4 3/4"



MICRO-ADSON

**BD510R**

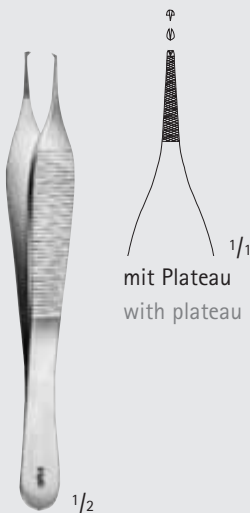
120 mm, 4 3/4"



ADSON

**BD511R**

120 mm, 4 3/4"



ADSON

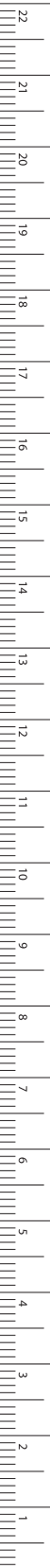
**BD512R**

120 mm, 4 3/4"



**Pinzetten – Dissecting- and Tissue Forceps**  
 Feine chirurgische Pinzetten  
 Delicate Tissue Forceps

**BD**



**MICRO-ADSON**  
**BD520R**  
 150 mm, 6"

**ADSON**  
**BD522R**  
 180 mm, 7"

**JEFFERSON**  
**BD523R**  
 180 mm, 7"

**ADSON**  
**BD508R**  
 120 mm, 4 3/4"

**ADSON**  
**BD513R**  
 120 mm, 4 3/4"

**ADSON**  
**BD506R**  
 120 mm, 4 3/4"

**ADSON**  
**BD507R**  
 120 mm, 4 3/4"

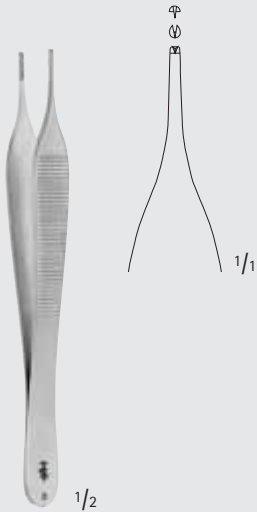
**ADSON**  
**BD521R**  
 150 mm, 6"

# Pinzetten – Dissecting- and Tissue Forceps

Chirurgische Pinzetten

Tissue Forceps

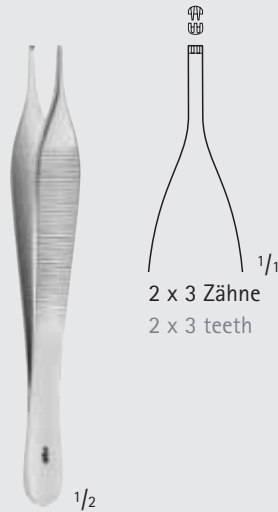
BD



HUDSON

**MB291R**

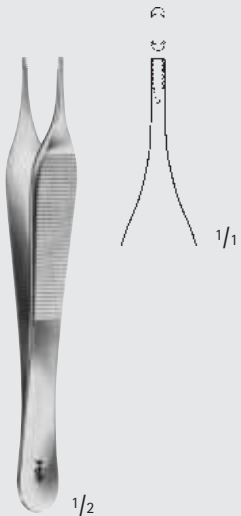
125 mm, 4 7/8"



ADSON

**MB454R**

120 mm, 4 3/4"



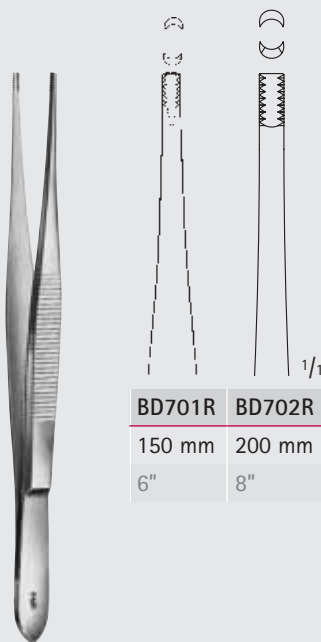
ADSON-BROWN

**BD700R**

Hautpinzette, scharf

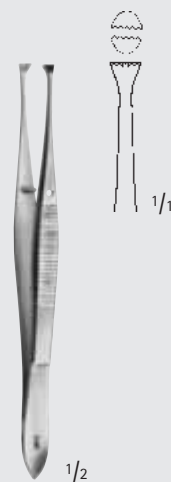
Tissue forceps, sharp

120 mm, 4 3/4"



BROWN

**BD701R-BD702R**



GRAEFFE

**OC100R**

110 mm, 4 1/2"

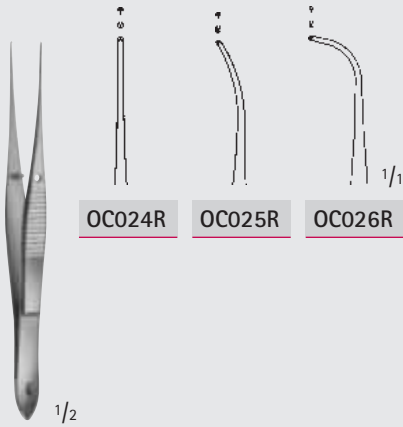


# Pinzetten – Dissecting- and Tissue Forceps

## Feine chirurgische Pinzetten

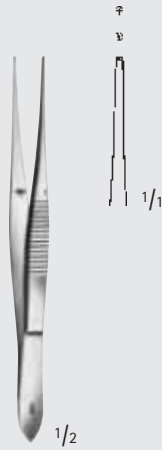
### Delicate Tissue Forceps

BD

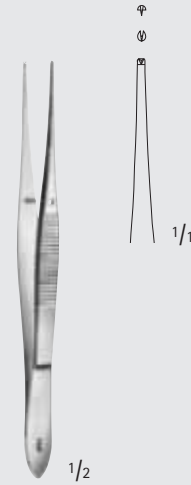


OC024R OC025R OC026R

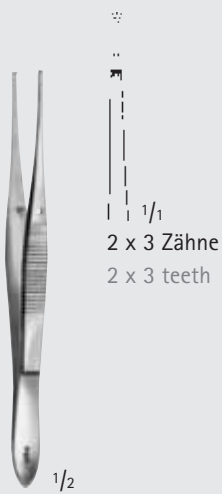
**OC024R-OC026R**  
sehr fein  
very delicate  
100 mm, 4"



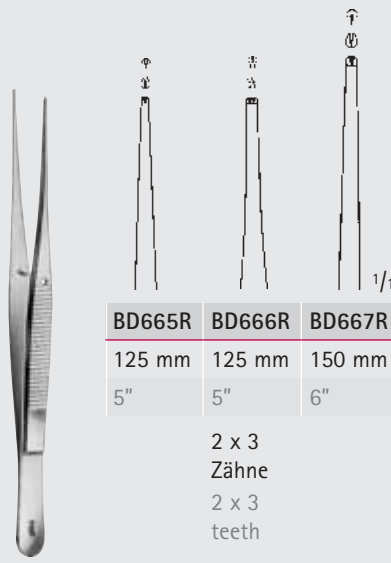
**BD500R**  
100 mm, 4"



**BD501R**  
110 mm, 4 3/8"

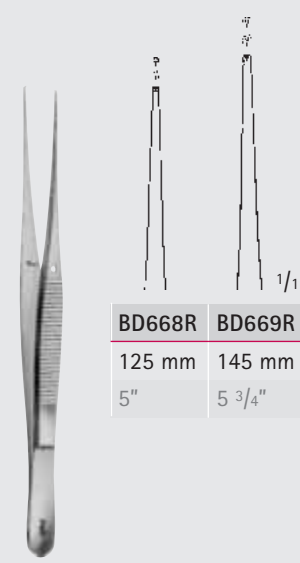


**BD502R**  
110 mm, 4 3/8"



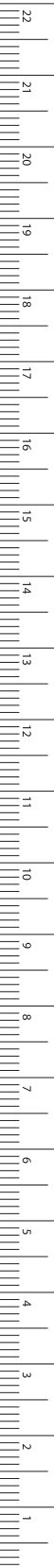
<b>BD665R</b>	<b>BD666R</b>	<b>BD667R</b>
125 mm	125 mm	150 mm
5"	5"	6"

SEMKEN  
**BD665R-BD667R**



<b>BD668R</b>	<b>BD669R</b>
125 mm	145 mm
5"	5 3/4"

SEMKEN  
**BD668R-BD669R**



MILLIMETERS

# Pinzetten – Dissecting- and Tissue Forceps

Feine chirurgische Pinzetten

Delicate Tissue Forceps

BD



1/2

GILLIES

**BD660R**

155 mm, 6"

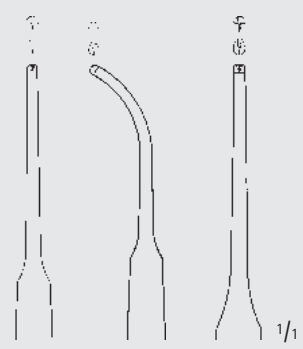


1/2

MC INDOE

**BD661R**

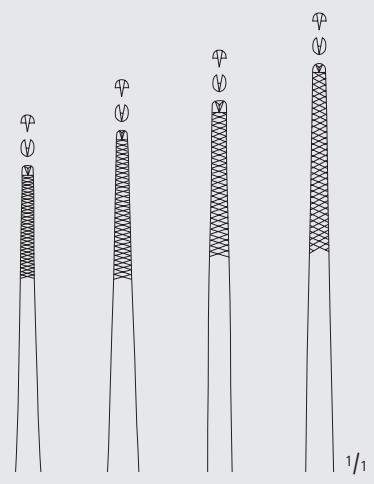
150 mm, 6"



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"

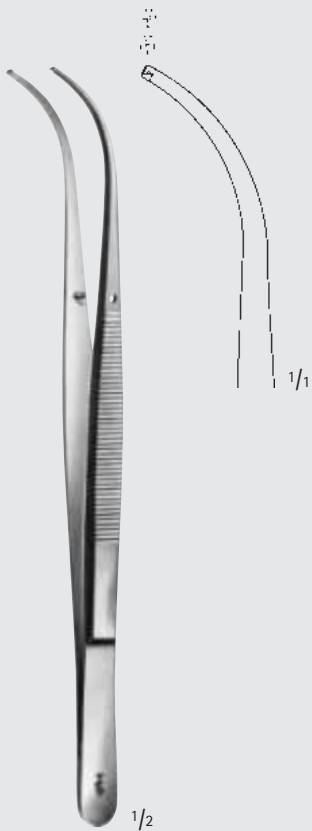
WAUGH

**BD670R-BD679R**



Pinzetten – Dissecting- and Tissue Forceps  
 Chirurgische Pinzetten  
 Tissue Forceps

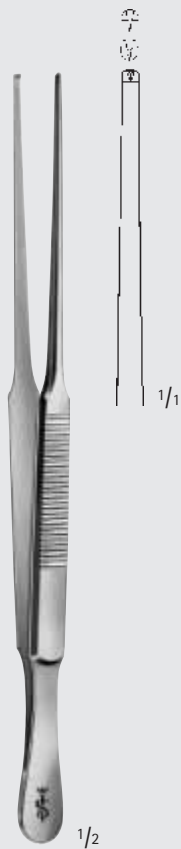
BD



BROPHY

BD678R

200 mm, 8"



BD651R

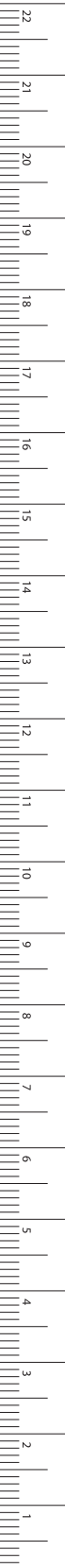
200 mm, 8"



CUSHING

MD463

180 mm, 7"



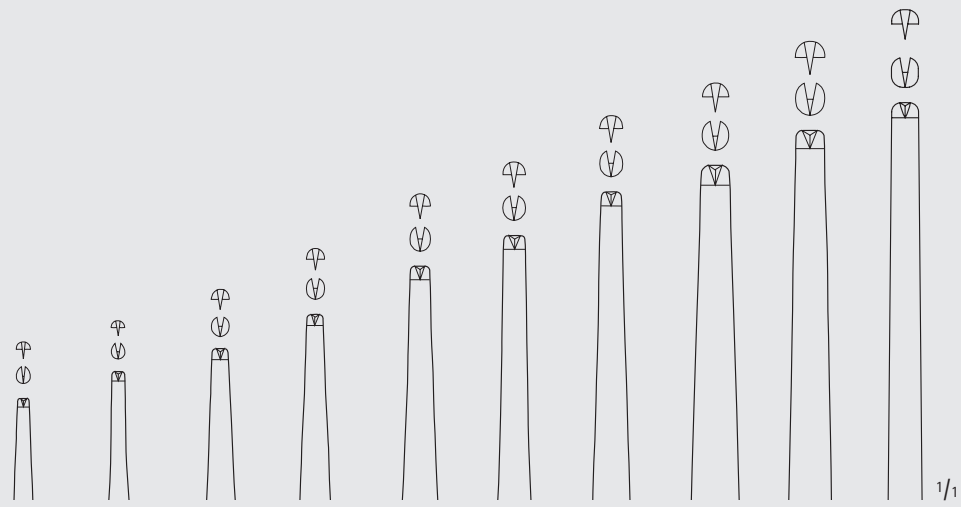
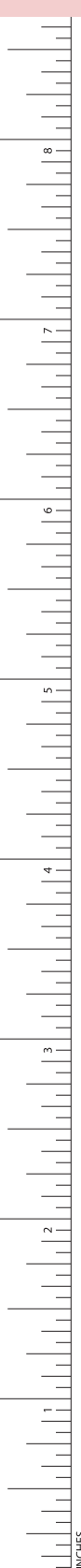
MILLIMETERS

# Pinzetten – Dissecting- and Tissue Forceps

Chirurgische Pinzetten

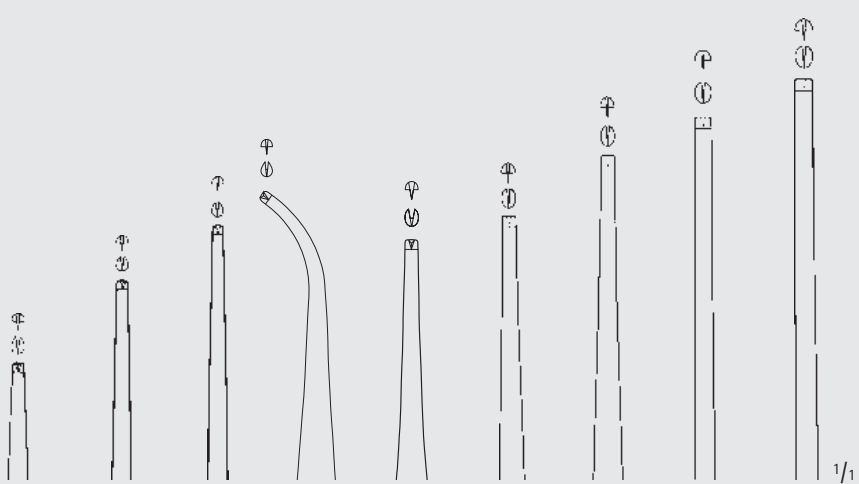
Tissue Forceps

BD



BD552R	BD553R	BD555R	BD557R	BD559R	BD560R	BD561R	BD562R	BD563R	BD564R
105 mm	115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm	350 mm
4 1/8"	4 1/2"	5 1/8"	5 3/4"	6 1/4"	7"	8"	10"	12"	14"

**BD552R-BD564R**  
Standard-Modelle  
Standard patterns



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**  
mittelbreit  
medium

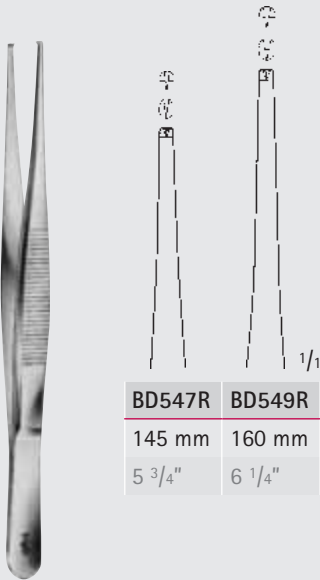


# Pinzetten – Dissecting- and Tissue Forceps

## Chirurgische Pinzetten

### Tissue Forceps

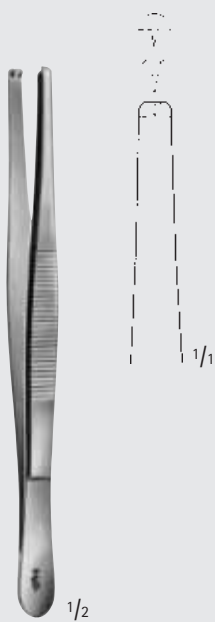
BD



BD547R	BD549R
145 mm	160 mm
5 3/4"	6 1/4"

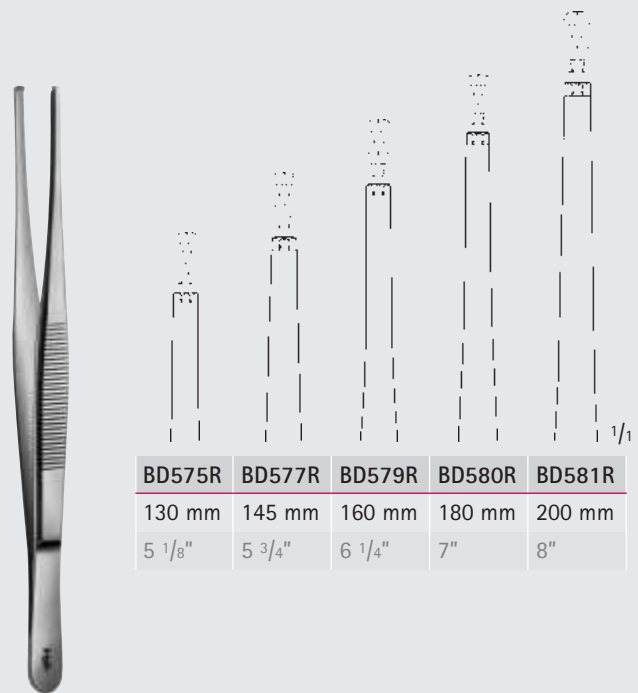
#### BD547R-BD549R

kräftiger als BD537R und BD539R  
aber feiner als BD557R und BD559R  
stronger as BD537R and BD539R  
but finer than BD557R and BD559R



#### BD600R

kräftiges Modell  
heavy pattern  
145 mm, 5 3/4"



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 Zähne  
2 x 3 teeth



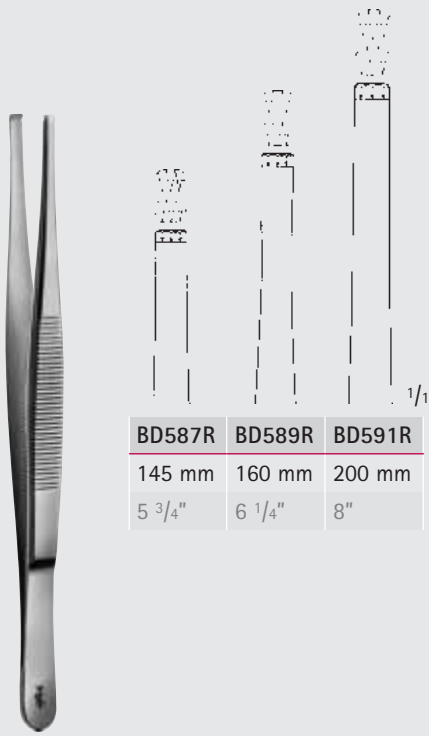
MILLIMETERS

# Pinzetten – Dissecting- and Tissue Forceps

Chirurgische Pinzetten

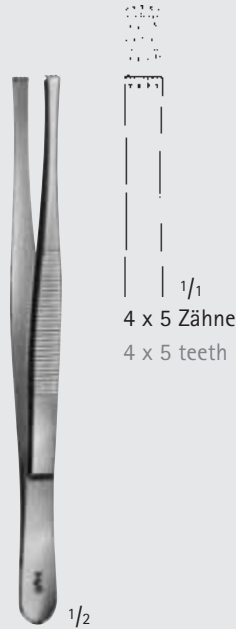
Tissue Forceps

BD

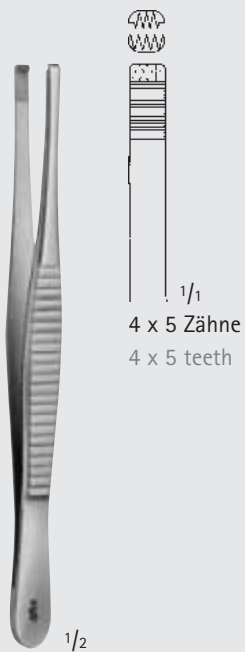


BD587R	BD589R	BD591R
145 mm	160 mm	200 mm
5 3/4"	6 1/4"	8"

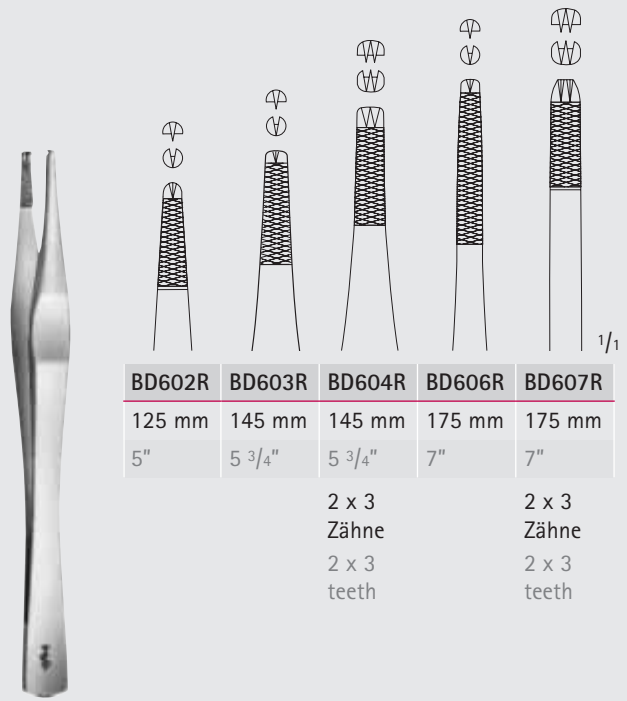
**BD587R-BD591R**  
3 x 4 Zähne  
3 x 4 teeth



**BD597R**  
145 mm, 5 3/4"



**OFFICER**  
**BD598R**  
150 mm, 6"



BD602R	BD603R	BD604R	BD606R	BD607R
125 mm	145 mm	145 mm	175 mm	175 mm
5"	5 3/4"	5 3/4"	7"	7"
		2 x 3 Zähne 2 x 3 teeth		2 x 3 Zähne 2 x 3 teeth

**LANE**  
**BD602R-BD607R**



**Pinzetten – Dissecting- and Tissue Forceps**  
 Chirurgische Pinzetten  
 Tissue Forceps

**BD**



1/1

<b>BD608R</b>	<b>BD609R</b>
125 mm	150 mm
8"	6"

TREVES

**BD608R-BD609R**



1/1

1/2

BONNEY

**BD693R**

175 mm, 7"



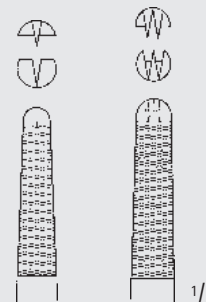
1/1

1/2

JACKSON-BURROWS

**BD704R**

140 mm, 5 1/2"



1/1

**BD610R**

**BD611R**

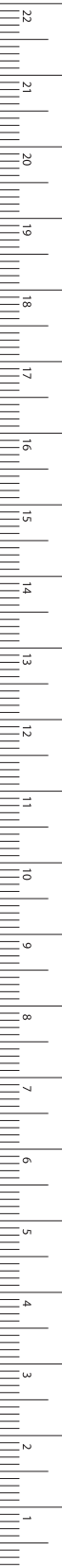
3 x 4  
Zähne  
3 x 4  
teeth

1/2

RAMSEY

**BD610R-BD611R**

180 mm, 7"



MILLIMETERS

# Pinzetten – Dissecting- and Tissue Forceps

Chirurgische Pinzetten

Tissue Forceps

BD

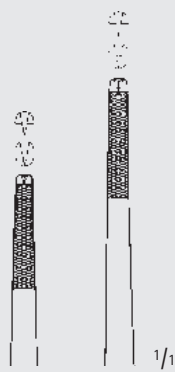


1/2

CHARNLEY

**BD705R**

180 mm, 7"



1/1

BD690R	BD692R
150 mm	200 mm
6"	8"

STRASSBURGER MODELL

**BD690R-BD692R**



1/1

1/2

**BD185R**

Nahtpinzette  
Suture forceps  
300 mm, 12"

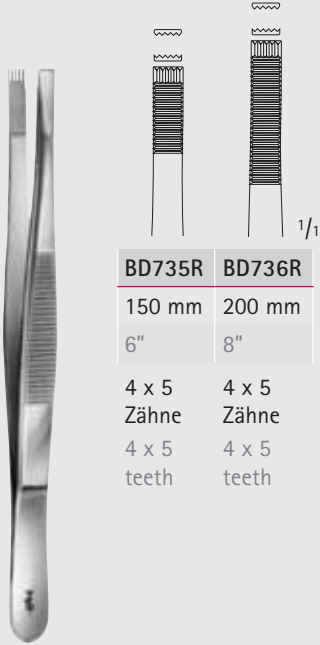


# Pinzetten – Dissecting- and Tissue Forceps

## Chirurgische Pinzetten

### Tissue Forceps

BD

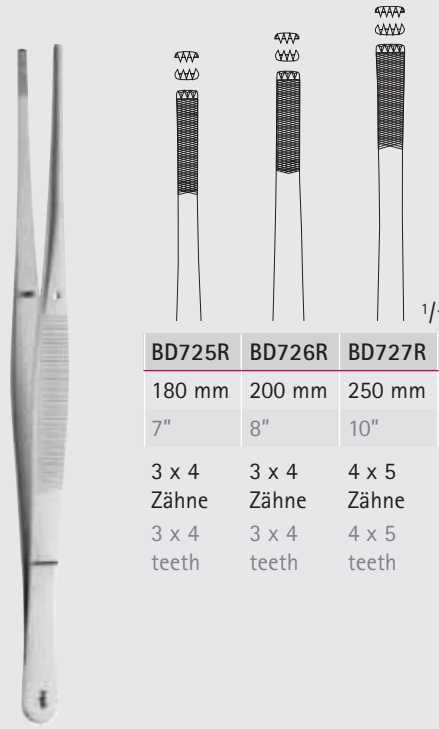


BD735R	BD736R
150 mm	200 mm
6"	8"
4 x 5 Zähne	4 x 5 Zähne
4 x 5 teeth	4 x 5 teeth

#### ADLERKREUTZ

**BD735R-BD736R**

Gefäß- und Tumorpinzette  
Vascular- and tumor forceps



BD725R	BD726R	BD727R
180 mm	200 mm	250 mm
7"	8"	10"
3 x 4 Zähne	3 x 4 Zähne	4 x 5 Zähne
3 x 4 teeth	3 x 4 teeth	4 x 5 teeth

#### STILLE-BARRAYA

**BD725R-BD727R**

Gefäß- und Tumorpinzetten  
Vascular- and tumor forceps



#### RUSS. MODELL

**BD755R**

150 mm, 6"



#### RUSS. MODELL

**BD760R**

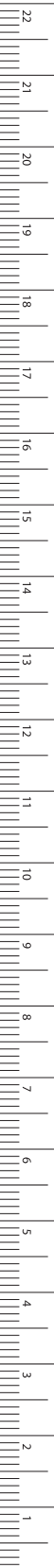
200 mm, 8"



#### SELMAN

**BD750R**

155 mm, 6"



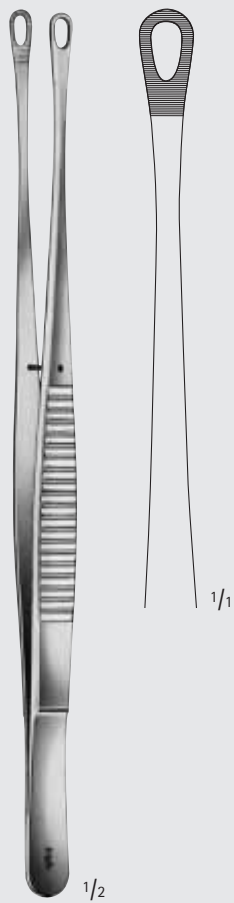
MILLIMETERS

## Pinzetten – Dissecting- and Tissue Forceps

Lungenfasspinzetten, Darmpinzetten

Lung Grasping Dissecting Forceps, Intestinal Forceps

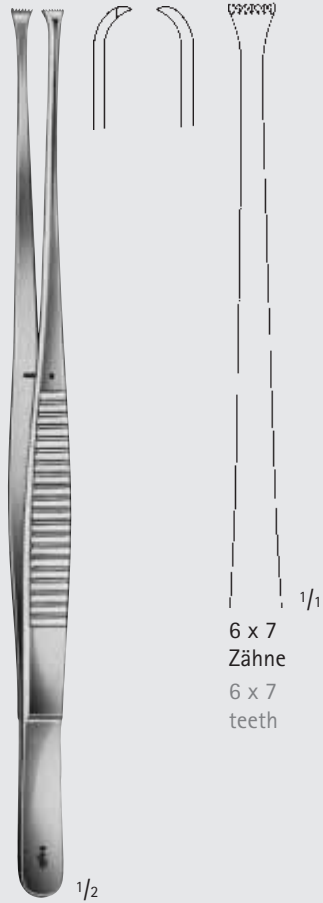
BD



TUTTLE

**BD801R**

Lungenfasspinzette  
Lung grasping forceps  
230 mm, 9"



NELSON

**BD802R**

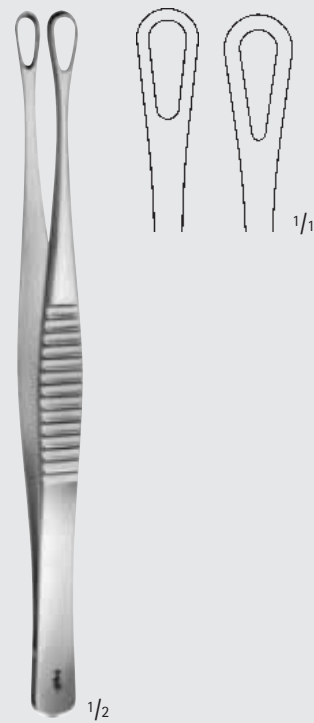
Lungenfasspinzette  
Lung grasping forceps  
230 mm, 9"



DUVAL

**BD820R**

Darmpinzette  
Intestinal forceps  
140 mm, 5 1/2"



DENIS- BROWNE

**EA027R**

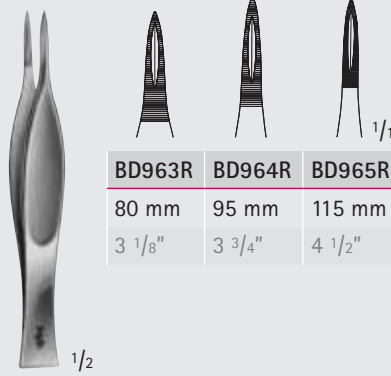
Darmpinzette  
Intestinal forceps  
190 mm, 7 1/2"



**Pinzetten – Dissecting- and Tissue Forceps**  
 Splitterpinzetten, Splitterzangen  
 Splinter Forceps



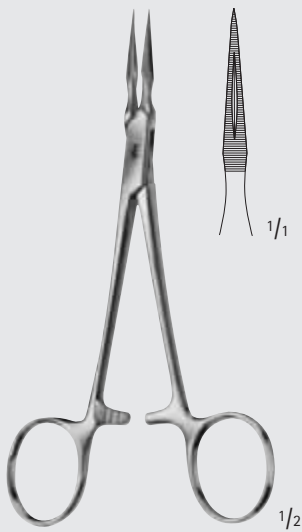
**BD952R**  
 Splitterpinzette  
 Splinter forceps  
 80 mm, 3 1/8"



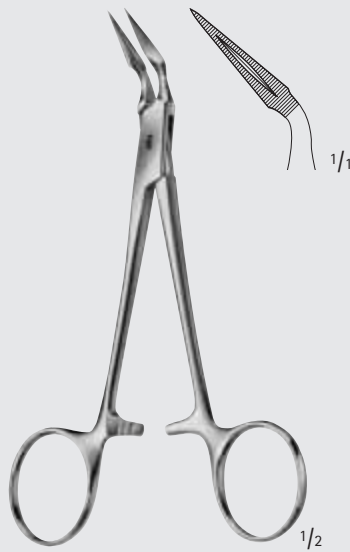
**FEILCHENFELD**  
**BD963R-BD965R**  
 Splitterpinzetten  
 Splinter forceps



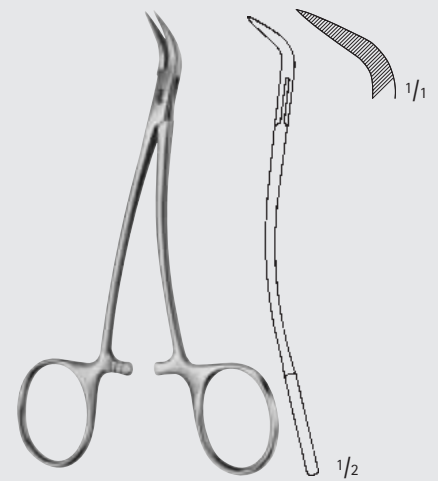
**HUNTER**  
**BD980R**  
 Splitterpinzette  
 Splinter forceps  
 105 mm, 4 1/8"



**STIEGLITZ**  
**BD992R**  
 Splitterzange  
 Splinter forceps  
 140 mm, 5 1/2"

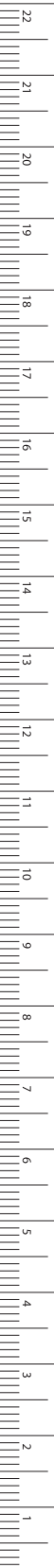


**STIEGLITZ**  
**BD993R**  
 Splitterzange  
 Splinter forceps  
 140 mm, 5 1/2"

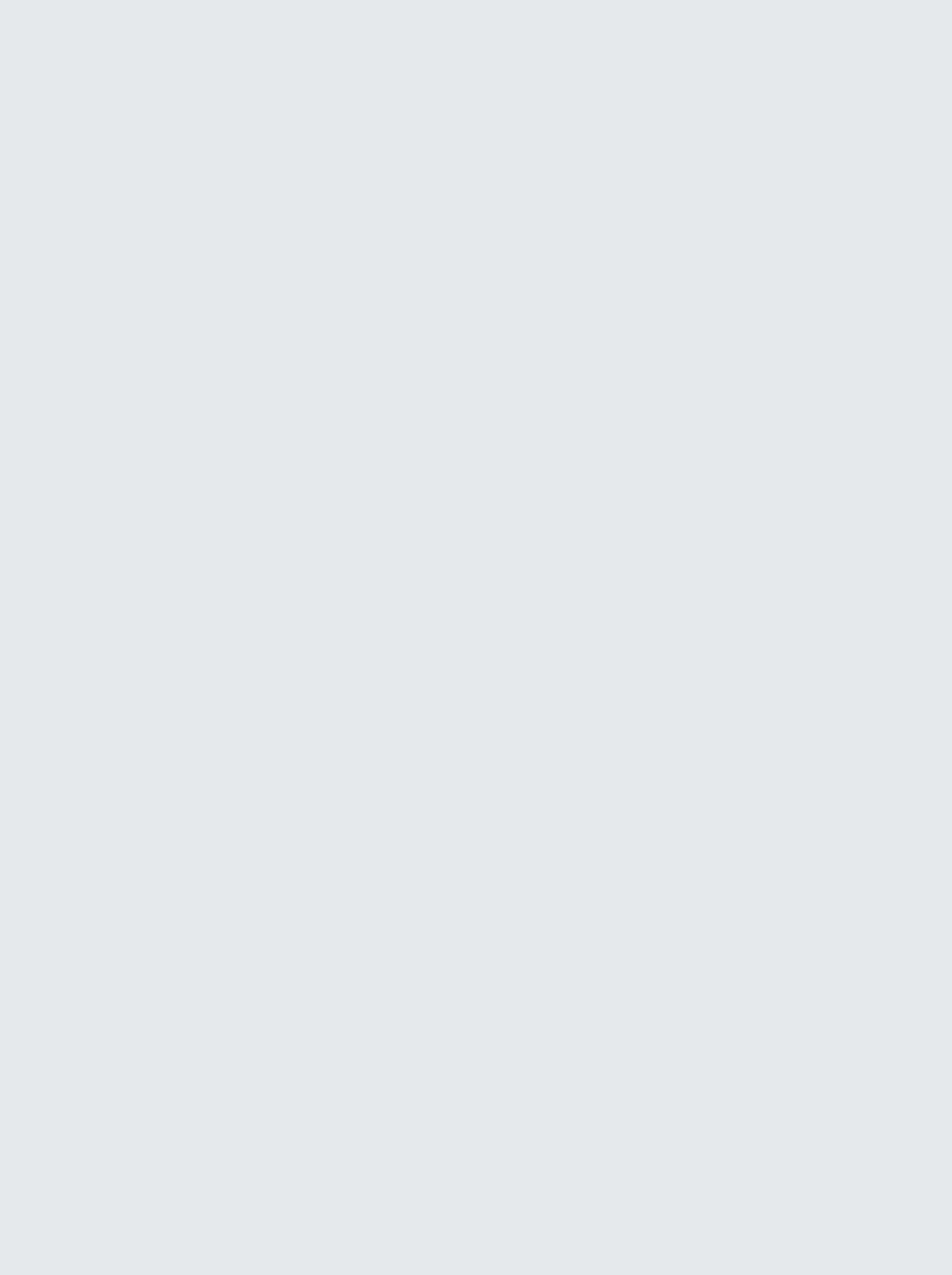


**PEET**  
**BD995R**  
 Splitterzange  
 Splinter forceps  
 120 mm, 4 3/4"

**BD**



MILLIMETERS





BF

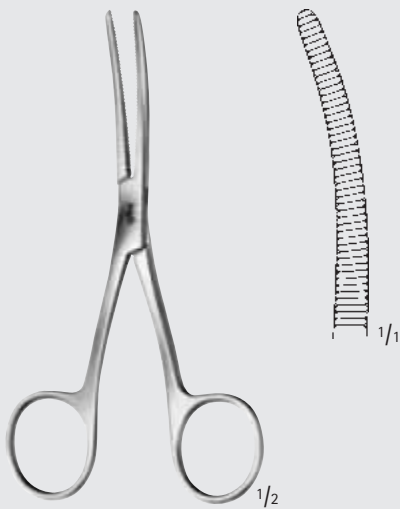


Korn- und Tupferzangen,  
Waschzangen, Tuchklemmen  
Sponge- and Dressing-Forceps,  
Washing Forceps, Towel Clamps

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Korn- und Tupferzangen  
Sponge- and Dressing Forceps

BF



BRYANT

**BF003R**

130 mm, 5 1/8"

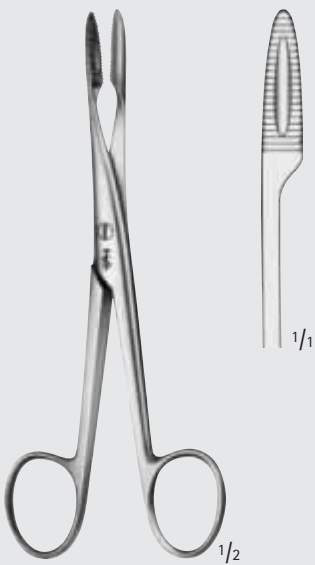


LISTER

**BF004R-BF008R**

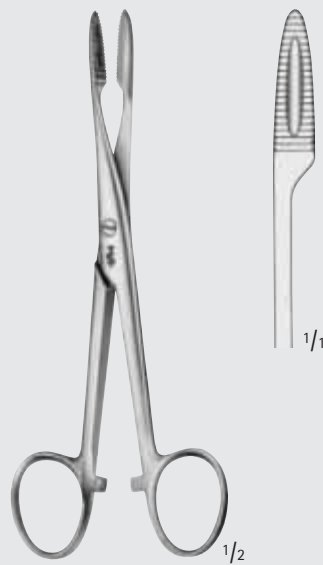
Sinusklemmen  
Sinus forceps

BF004R	BF006R	BF008R
130 mm	160 mm	175 mm
5 1/8"	6 1/4"	7"



**BF010R**

ohne Sperre  
without ratchet  
145 mm, 5 3/4"



**BF016R**

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



**BF021R**

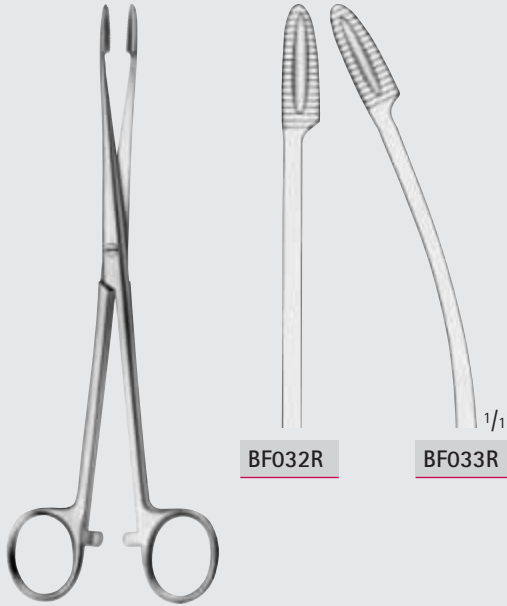
175 mm, 7"



## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Korn- und Tupferzangen  
Sponge- and Dressing Forceps

**BF**



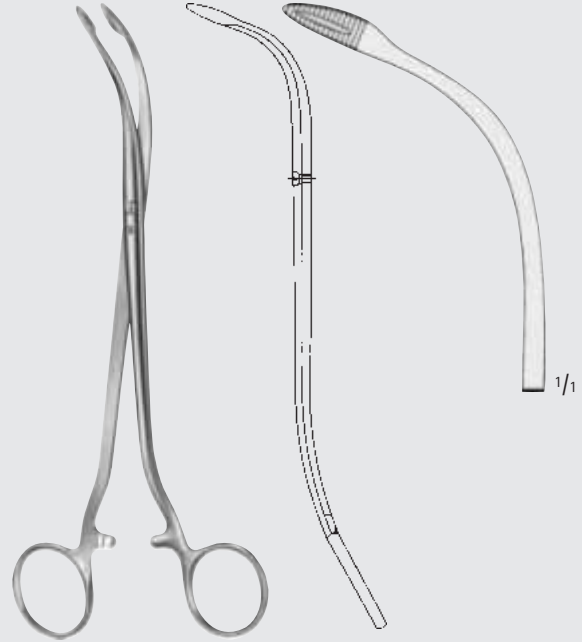
BF032R

BF033R

GROSS

BF032R-BF033R

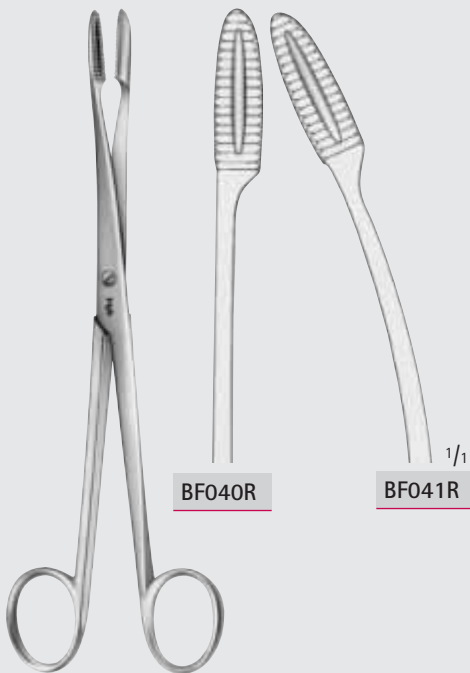
mit Sperre  
with ratchet  
180 mm, 7"



DUPLAY

OM485R

190 mm, 7 1/2"



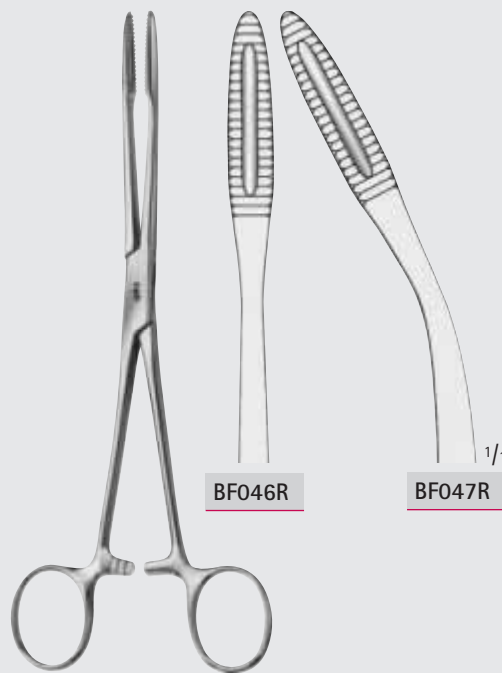
BF040R

BF041R

GROSS

BF040R-BF041R

ohne Sperre  
without ratchet  
200 mm, 8"



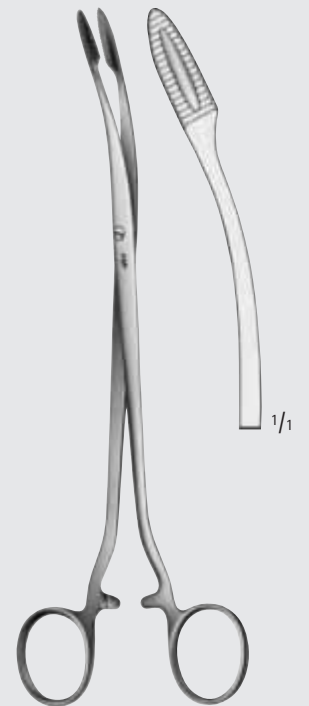
BF046R

BF047R

GROSS

BF046R-BF047R

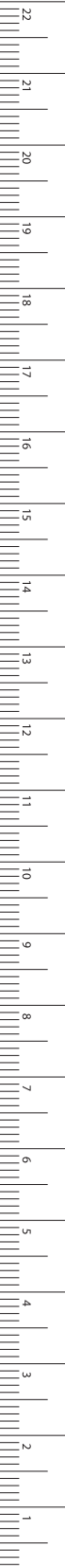
200 mm, 8"



DUPLAY

BF027R

210 mm, 8 1/4"

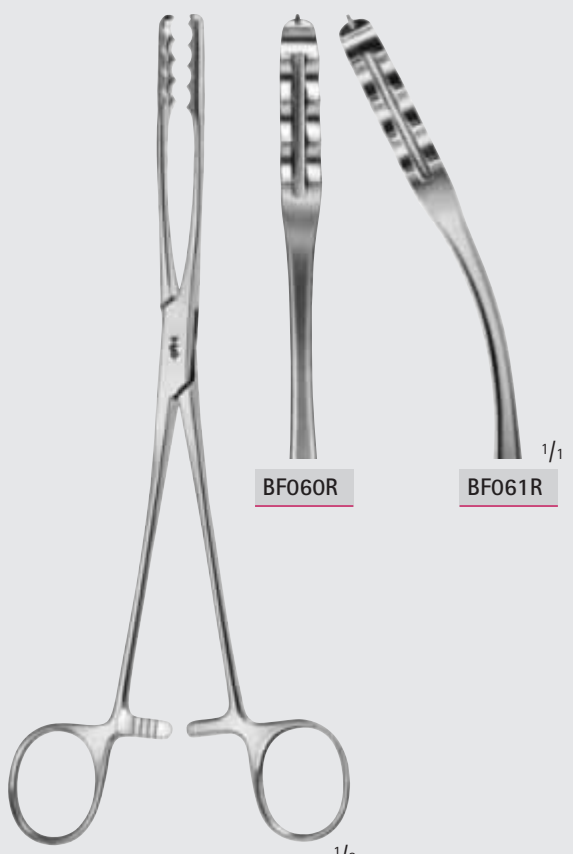


MILLIMETERS

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Korn-, Tupfer- und Waschzangen  
Sponge- and Dressing Forceps

BF



AESCULAP  
BF060R-BF061R  
220 mm, 8 3/4" <sup>1/2</sup>

BF060R

BF061R <sup>1/1</sup>



ULRICH-AESCULAP  
BF062R-BF065R

BF062R  
265 mm  
10 1/2"

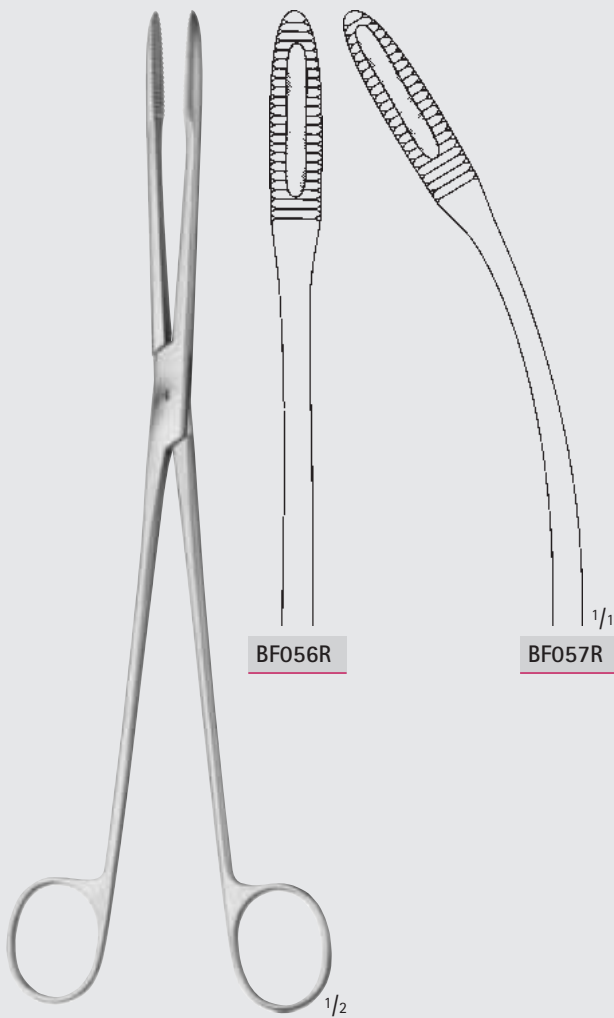
BF063R  
265 mm  
10 1/2"

BF065R <sup>1/1</sup>  
350 mm  
14"

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Korn- und Tupferzangen  
Sponge- and Dressing Forceps

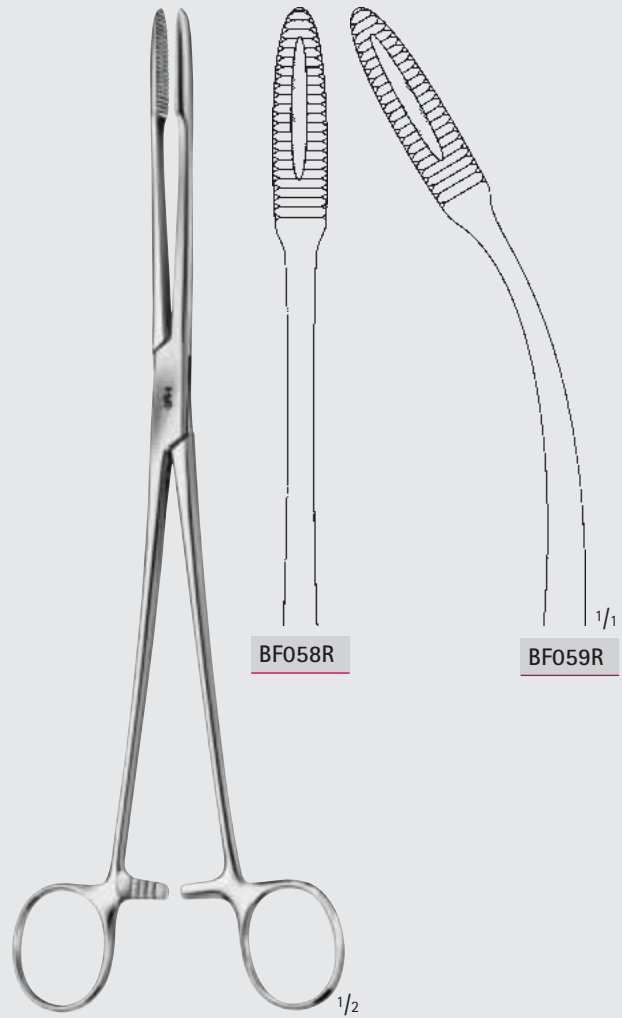
**BF**



MAIER

**BF056R-BF057R**

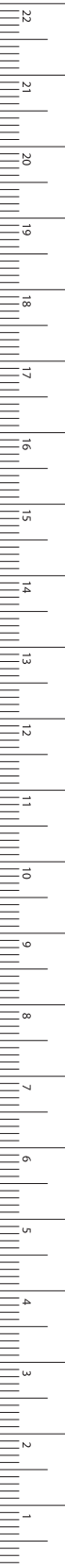
ohne Sperre  
without ratchet  
265 mm, 10 1/2"



MAIER

**BF058R-BF059R**

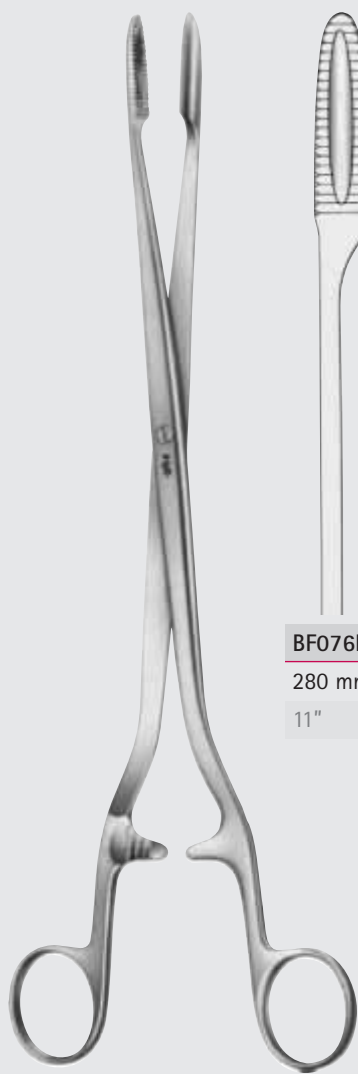
mit Sperre  
with ratchet  
265 mm, 10 1/2"



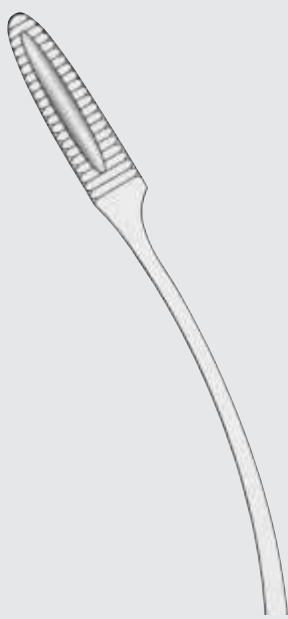
## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Korn- und Tupferzangen  
Sponge- and Dressing Forceps

BF



**BF076R**  
280 mm  
11"



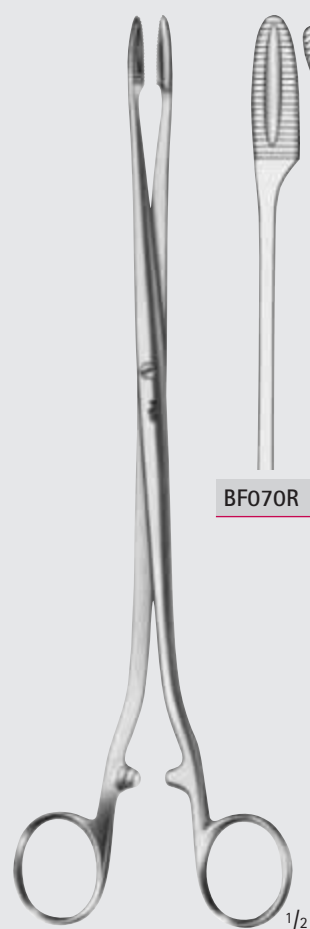
**BF077R**  
280 mm  
11"

**BF078R**  
350 mm  
14"

<sup>1/1</sup>

SIMS-MAIER

**BF076R-BF078R**



**BF070R**

**BF071R**

<sup>1/1</sup>

<sup>1/2</sup>

**BF070R-BF071R**

240 mm, 9 1/2"

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Korn- und Tupferzangen  
Sponge- and Dressing Forceps

**BF**

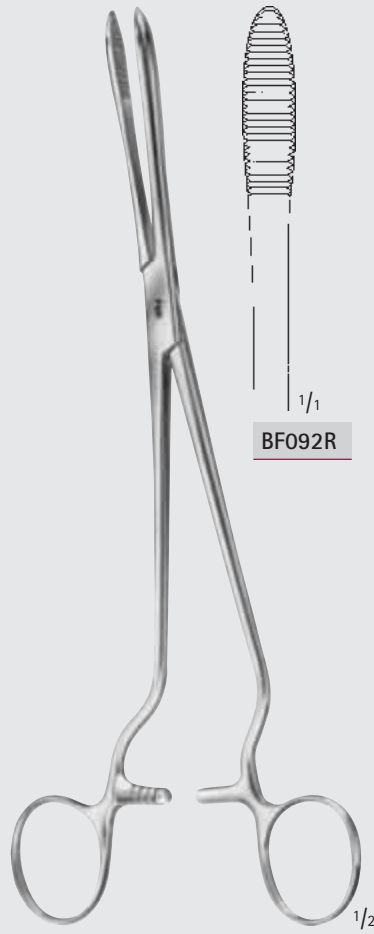


BF091R

COLLIN

BF091R

240 mm, 9 1/2"

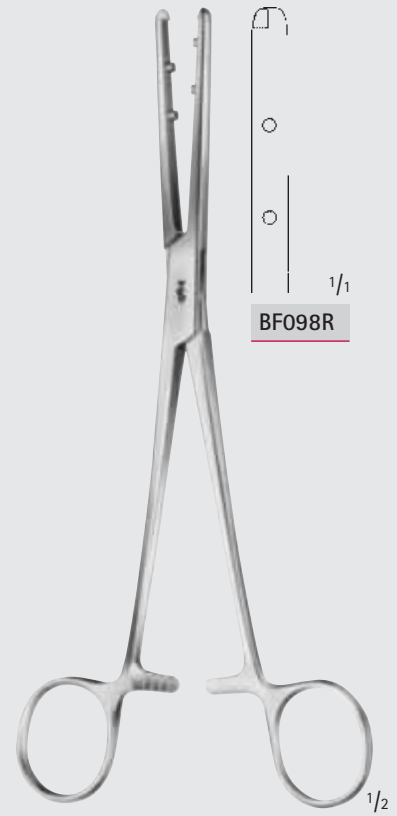


BF092R

CHERON

BF092R

Griffe seitwärts abgewinkelt  
Handles angled to side  
240 mm, 9 1/2"



BF098R

EMMET

BF098R

210 mm, 8 1/4"



## Korn- und Tupferzangen – Sponge- and Dressing Forceps

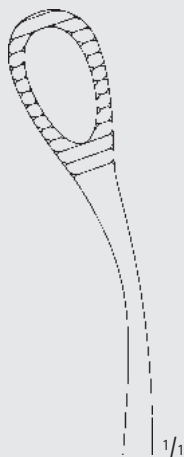
Tupfer-, Schwamm-, Organ- und Gewebefasszangen

Dressing-, Sponge Holding-, Organ- and Tissue Grasping Forceps

BF



BF112R



BF113R

FOERSTER-BALLENGER

BF112R-BF113R

180 mm, 7"



BF116R

180 mm  
7"



BF118R

250 mm  
10"

RAMPLEY

BF116R-BF118R



BF120R

glattes Maul  
smooth jaws

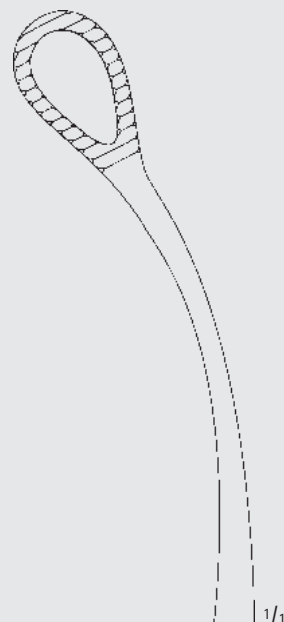


BF121R

glattes Maul  
smooth jaws



BF122R



BF123R

FOERSTER-BALLENGER

BF120R-BF123R

245 mm, 9 3/4"





DE BAKEY Zahnung

Toothings DE BAKEY

# Korn- und Tupferzangen – Sponge- and Dressing Forceps

## ARAUMATA®

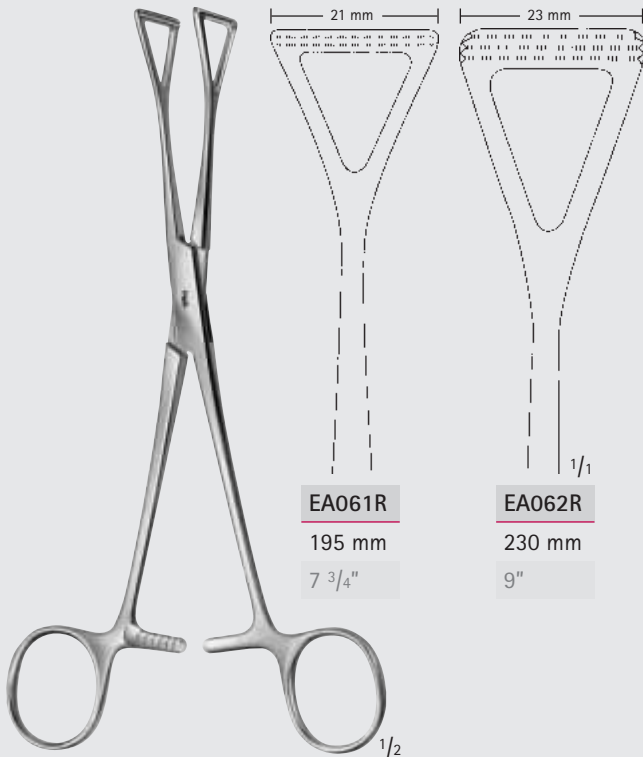
Organ- und Gewebefasszangen  
Organ- and Tissue Grasping Forceps

BF

2:3 Zahnreihen



2:3 Teeth rows



**EA061R**

195 mm

7 3/4"

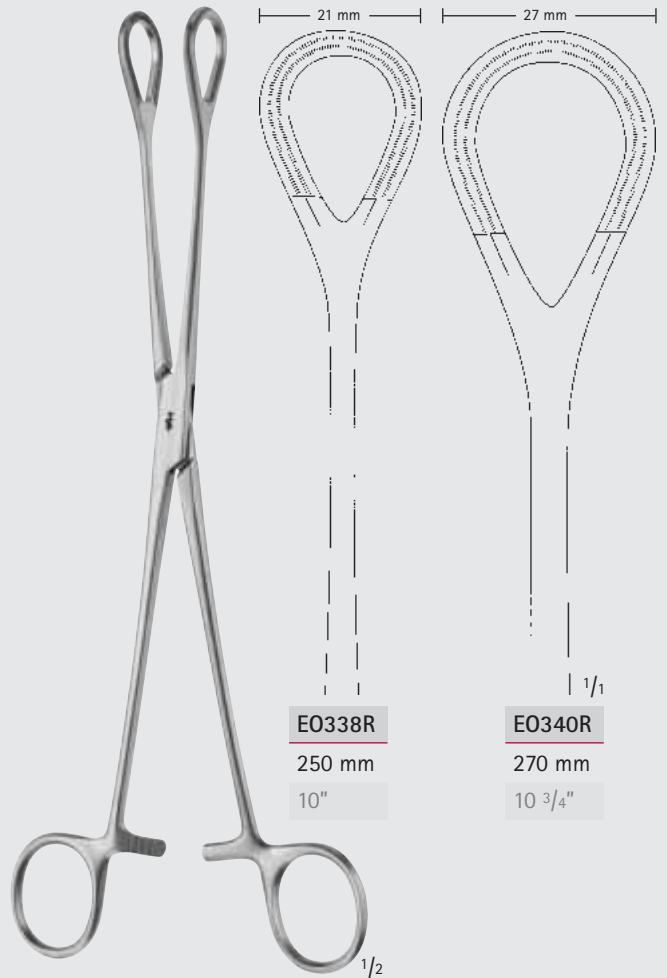
**EA062R**

230 mm

9"

COLLIN

**EA061R-EA062R**



**E0338R**

250 mm

10"

**E0340R**

270 mm

10 3/4"

**E0338R-E0340R**



MILLIMETERS

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Tupfer-, Schwamm-, Organ- und Gewebefasszangen

Dressing-, Sponge Holding-, Organ- and Tissue Grasping Forceps

BF



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"



AN710R

1/1



HEYWOOD-SMITH MODIF.

AN711R

215 mm, 8 1/2"



AN711R

1/1



**Korn- und Tupferzangen – Sponge- and Dressing Forceps**  
 Tupfer-, Schwamm-, Organ- und Gewebefasszangen  
 Dressing-, Sponge Holding-, Organ- and Tissue Grasping Forceps

**BF**



**E0310R**  
1/1

HEYWOOD-SMITH

**E0310R**

250 mm, 10"

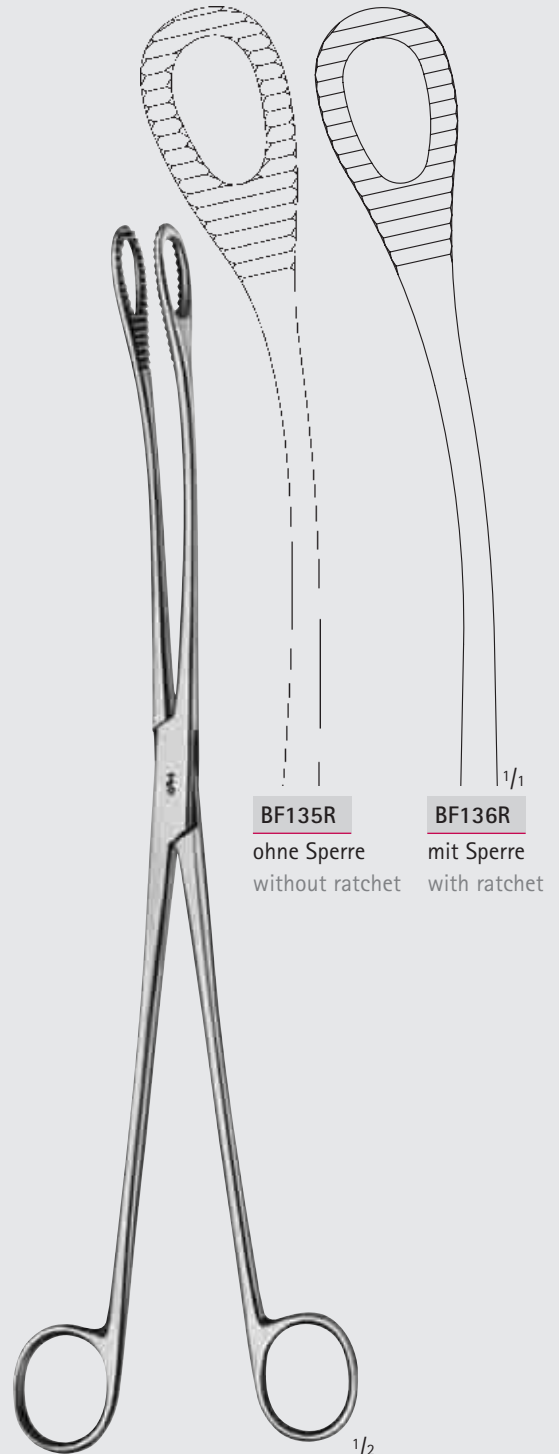


**E0315R**  
1/1

NOTO

**E0315R**

280 mm, 11"



**BF135R**  
ohne Sperre  
without ratchet

**BF136R**  
mit Sperre  
with ratchet

KELLY

**BF135R-BF136R**

320 mm, 12 3/4"



MILLIMETERS

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

### Sehnenfazzangen

### Tendon Seizing Forceps

BF



HERZ

**BF303R**

Sehnenfazzange

Tendon seizing forceps

155 mm, 6"



JACKSON

**BF306R**

Sehnenfazzange

4 x 5 Zähne

Tendon seizing forceps

4 x 5 teeth

150 mm, 6"

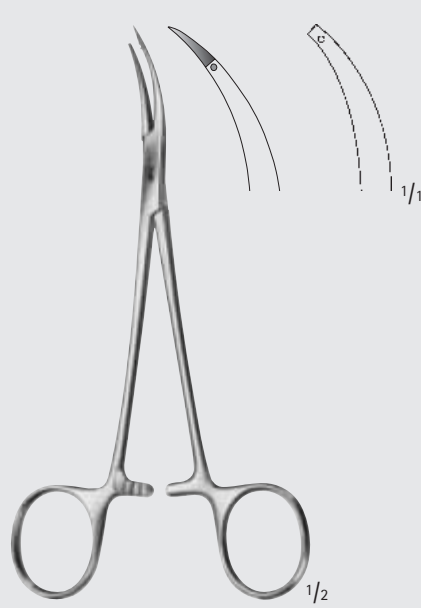


**FO950R**

Sehneneinflechtkelemme

Tendon interlacing forceps

150 mm, 6"

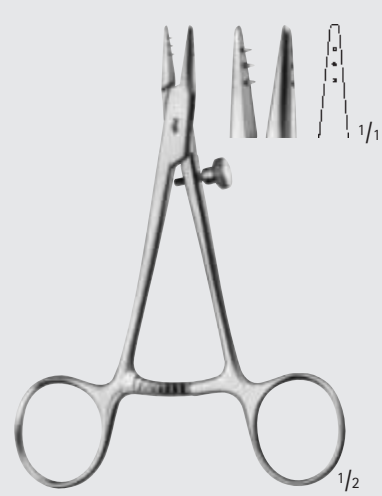


**FO951R**

Sehneneinflechtkelemme

Tendon interlacing forceps

150 mm, 6"



**BF307R**

Sehnenfazzange

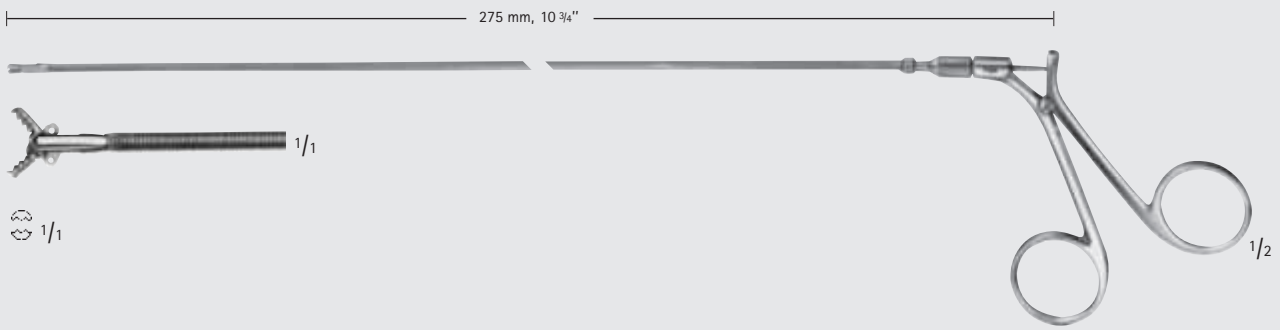
Tendon seizing forceps

120 mm, 4 3/4"



## Korn- und Tupferzangen – Sponge- and Dressing Forceps Sehnenfasszangen Tendon Seizing Forceps

BF



JÄGER

**BF325R**

Sehnen- und Kreuzband-  
Durchziehzange  
flexibler Schaft

Tendon- and cross ligament  
passing forceps  
flexible shaft



BF315R	BF316R	BF324R	BF326R
gebogen curved	gebogen curved	gerade straight	gerade straight
150 mm	185 mm	150 mm	185 mm
6"	7 1/4"	6"	7 1/4"

BRAND

**BF315R-BF326R**

Sehnenführungszangen  
Tendon holding forceps



KLEINERT-KUTZ

**BF320R**

Sehnedurchziehzange  
Tendon passing forceps  
205 mm, 8"



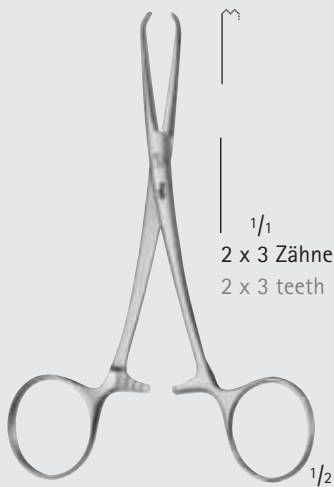
MILLIMETERS

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Arterien- und Gewebefassungen

Artery Traction- and Tissue Grasping Forceps

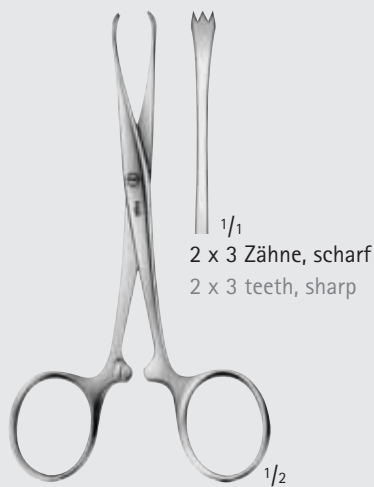
weitere Gewebefassungen siehe Rubrik EA  
further Tissue grasping forceps see section EA



POIRIER

**BF299R**

125 mm, 5"



CHAPUT

**BF300R**

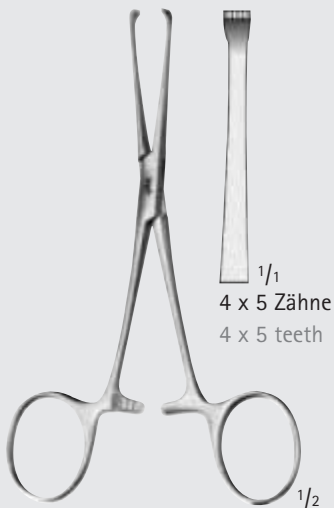
125 mm, 5"



TUFFIER

**BF301R**

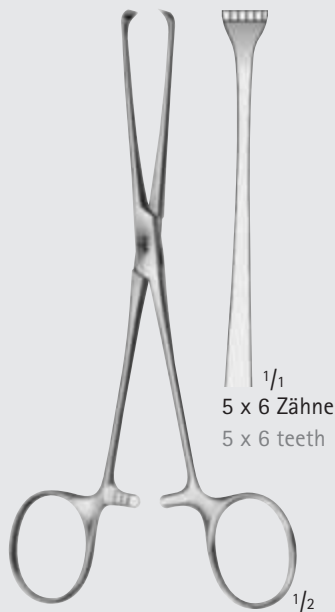
125 mm, 5"



BABY-ALLIS

**EA012R**

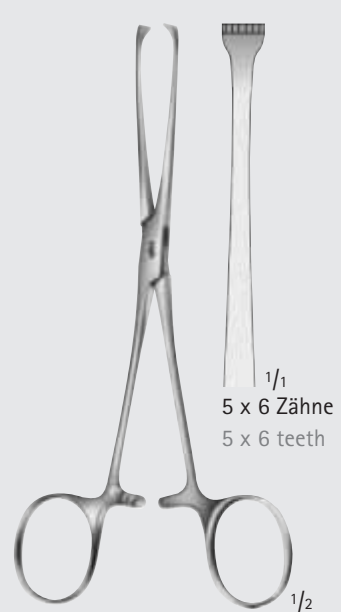
130 mm, 5 1/8"



BOYS-ALLIS

**EA010R**

155 mm, 6"



ALLIS

**EA016R**

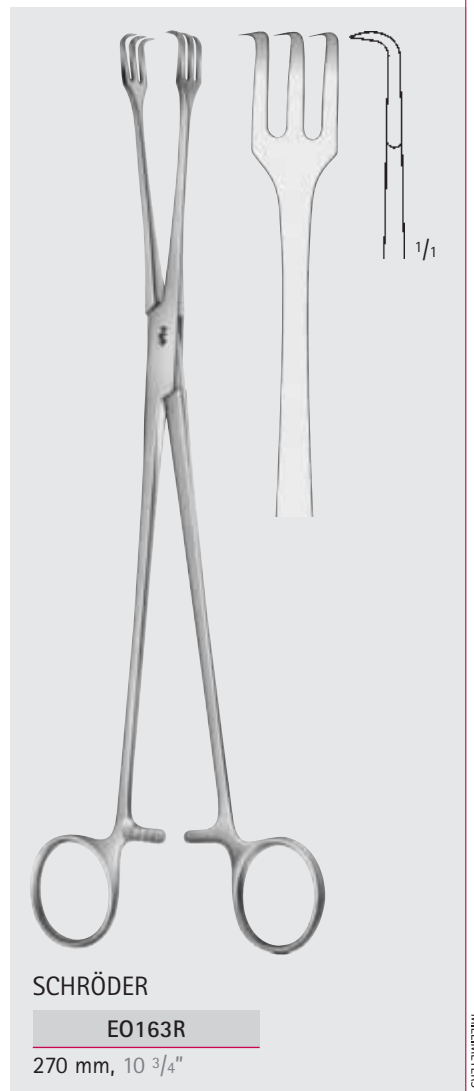
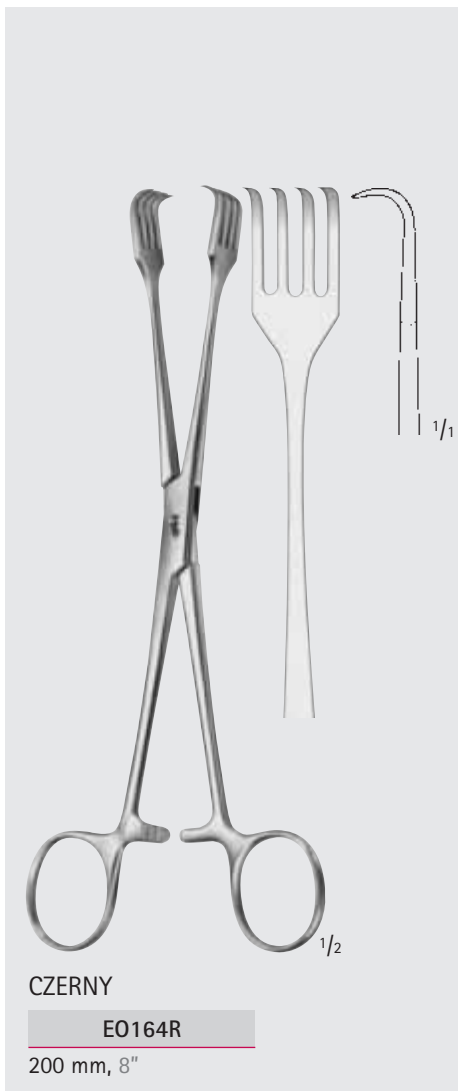
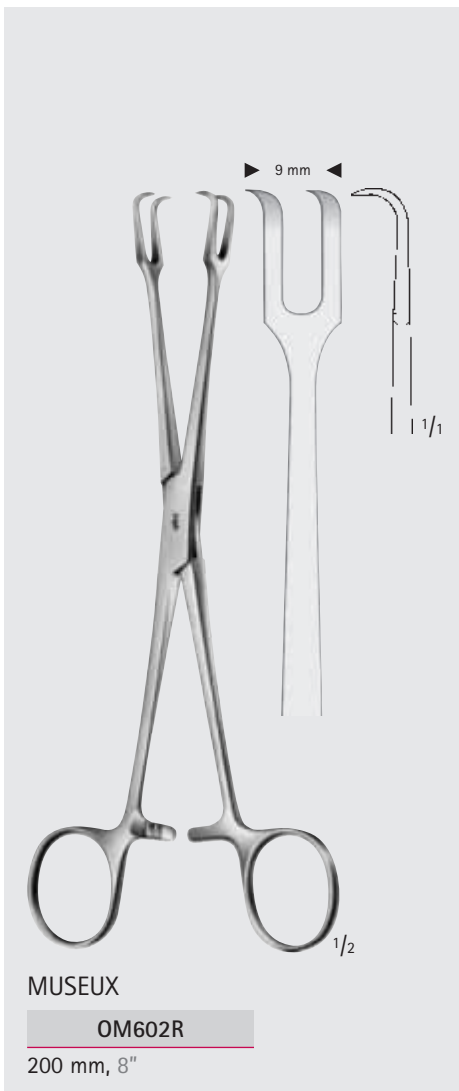
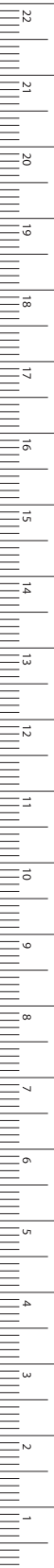
155 mm, 6"

BF



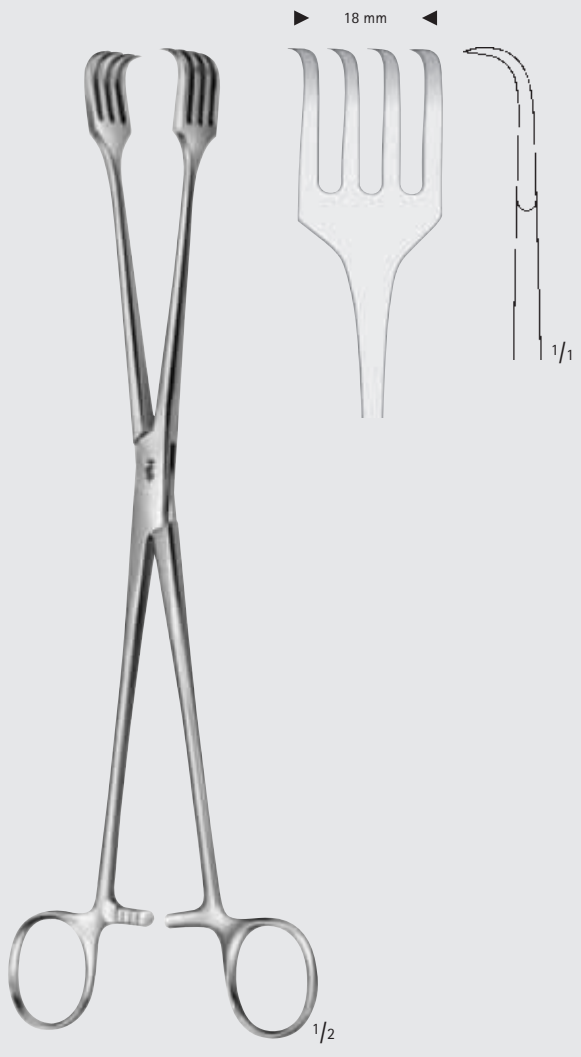
## Korn- und Tupferzangen – Sponge- and Dressing Forceps Organ- und Gewebefasszangen Organ- and Tissue Grasping Forceps

**BF**

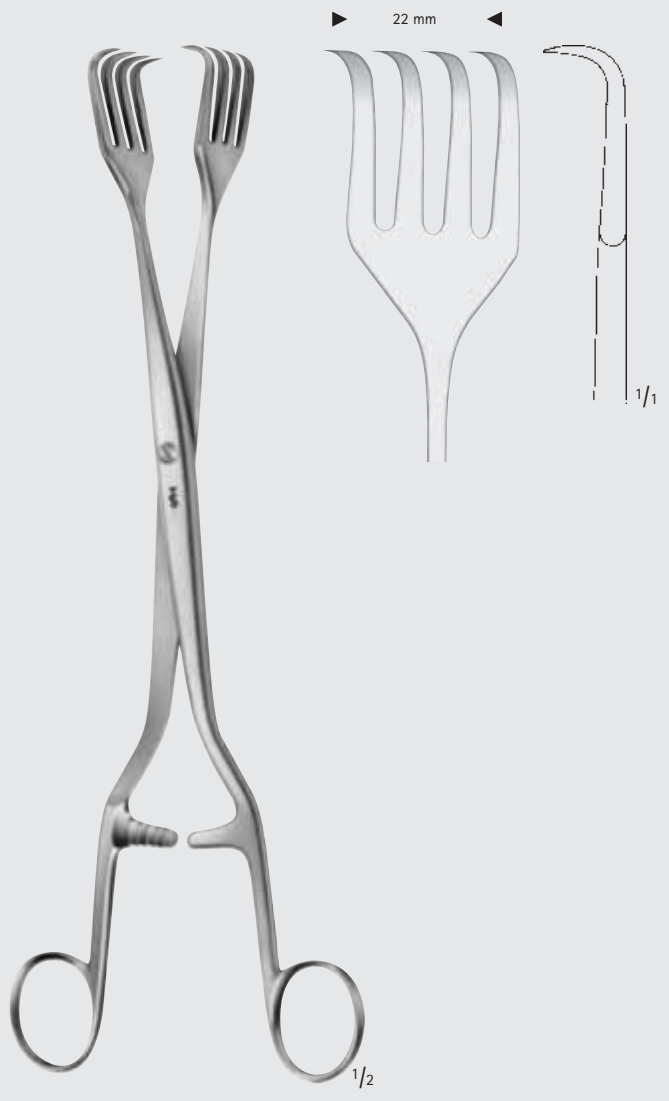


**Korn- und Tupferzangen – Sponge- and Dressing Forceps**  
 Organ- und Gewebefasszangen  
 Organ- and Tissue Grasping Forceps

**BF**



**AESCULAP-PRATT**  
**EO165R**  
 260 mm, 10 1/4"



**PRATT**  
**EO166R**  
 270 mm, 10 3/4"





Korn- und Tupferzangen – Sponge- and Dressing Forceps  
Organ- und Gewebefasszangen  
Organ- and Tissue Grasping Forceps

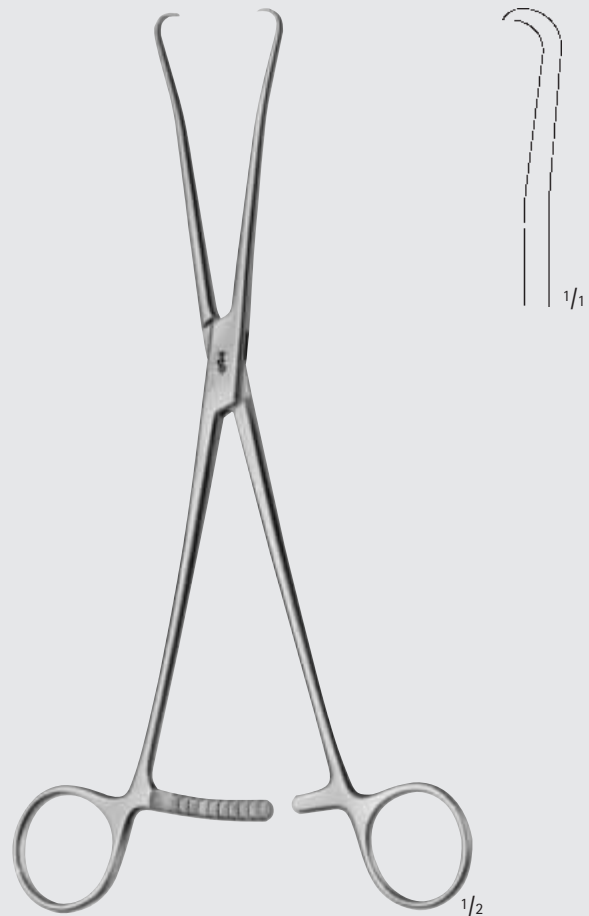
BF



SCHRÖDER

EO110R

250 mm, 10"



WILSON

EO112R

240 mm, 9 1/2"



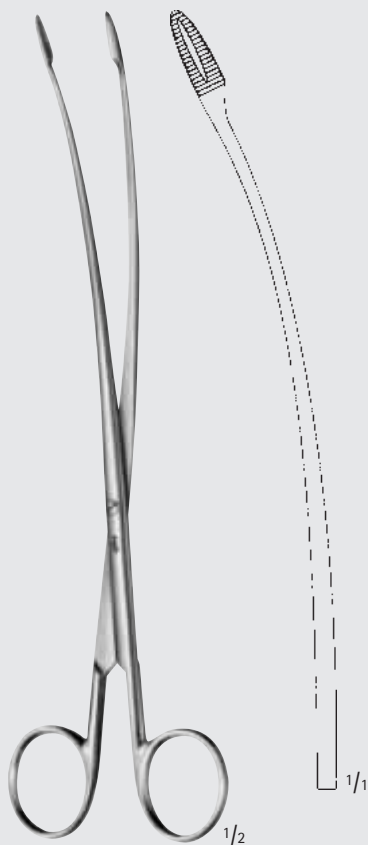
MILLIMETERS

# Korn- und Tupferzangen – Sponge- and Dressing Forceps

Fremdkörperzangen

Foreign Body Forceps

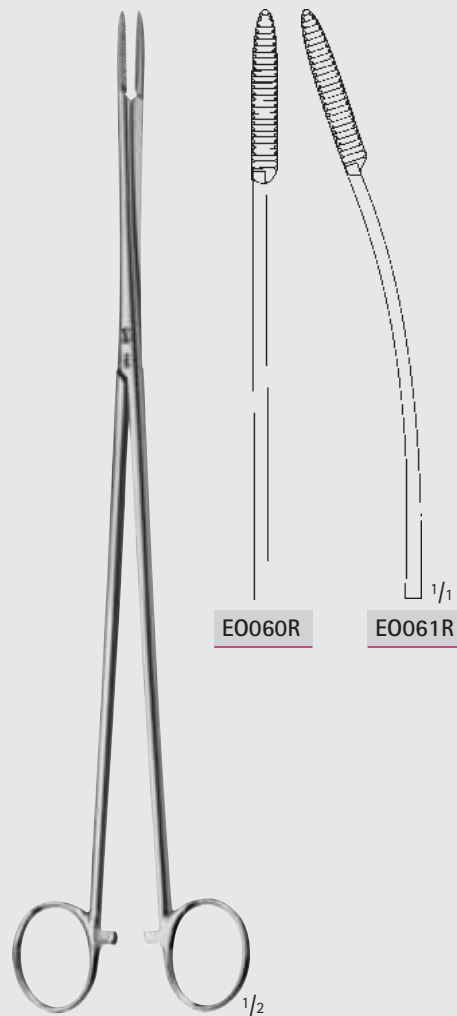
BF



PITHA

EF921R

220 mm, 8 3/4"



PELKMANN

EO060R-EO061R

260 mm, 10 1/4"



# Korn- und Tupferzangen – Sponge- and Dressing Forceps

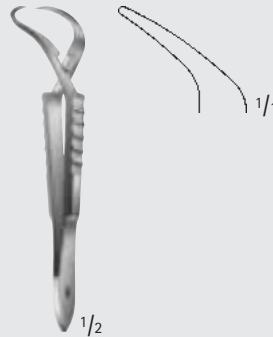
Tuchklemmen  
Towel Clamps

**BF**



**BF401R**

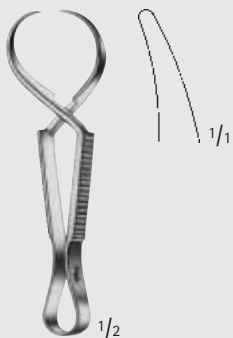
55 mm, 2 1/8"



JONES

**BF407R**

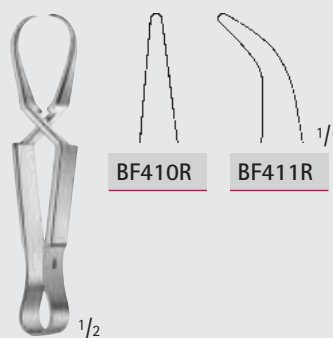
85 mm, 3 3/8"



ENGL.MOD.

**BF408R**

85 mm, 3 3/8"



SCHAEDEL

**BF410R-BF411R**

85 mm, 3 3/8"



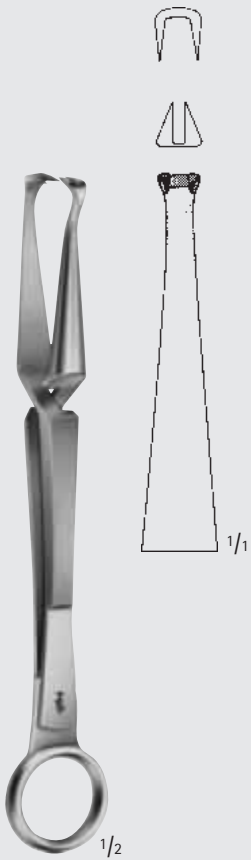
MILLIMETERS

# Korn- und Tupferzangen – Sponge- and Dressing Forceps

Tuchklemmen

Towel Clamps

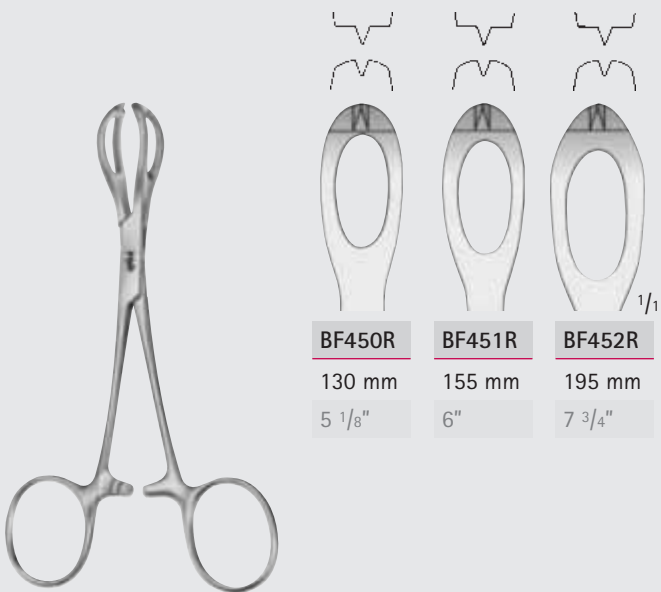
BF



DOYEN

**BF417R**

180 mm, 7"



LANE

**BF450R-BF452R**

**BF450R**

130 mm

5 1/8"

**BF451R**

155 mm

6"

**BF452R**

195 mm

7 3/4"

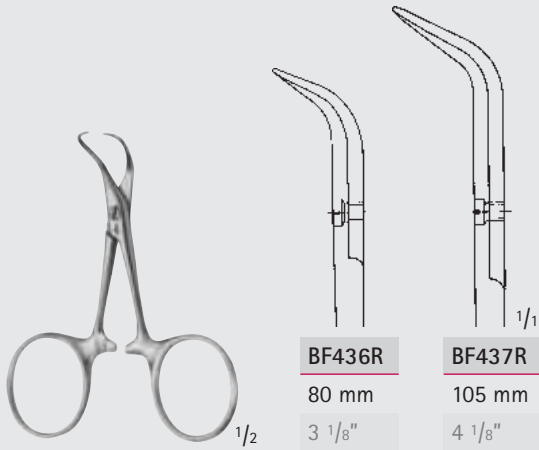


# Korn- und Tupferzangen – Sponge- and Dressing Forceps

Tuchklemmen

Towel Clamps

BF



**BF436R**

80 mm

3 1/8"

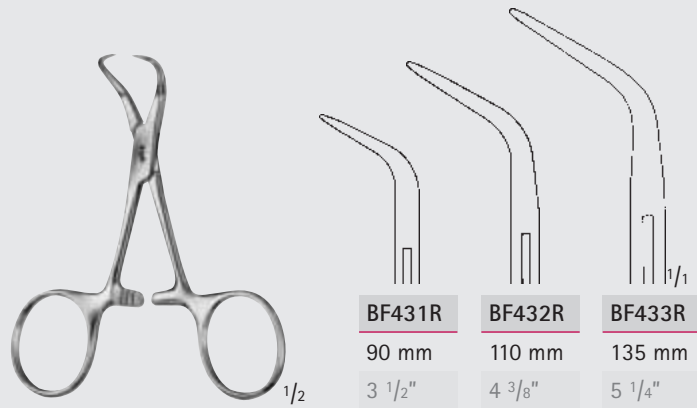
**BF437R**

105 mm

4 1/8"

BACKHAUS

**BF436R-BF437R**



**BF431R**

90 mm

3 1/2"

**BF432R**

110 mm

4 3/8"

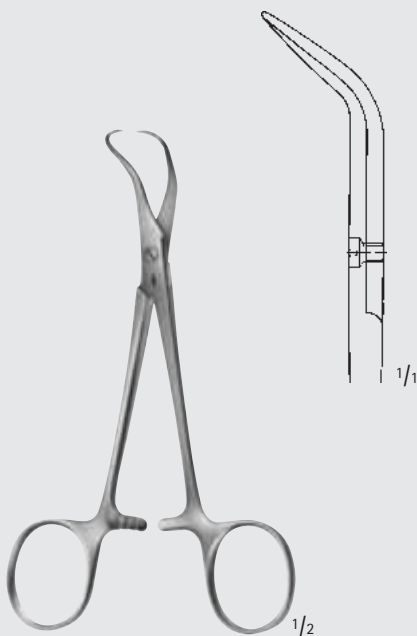
**BF433R**

135 mm

5 1/4"

BACKHAUS

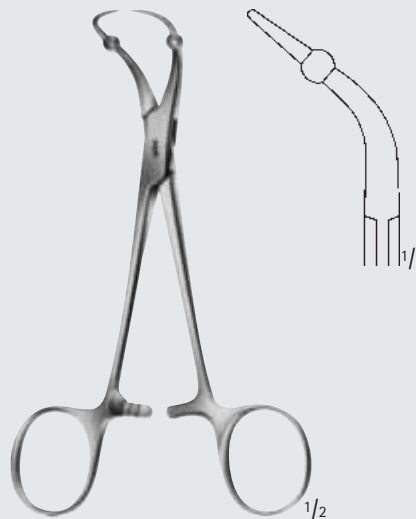
**BF431R-BF433R**



BACKHAUS-KOCHER

**BF444R**

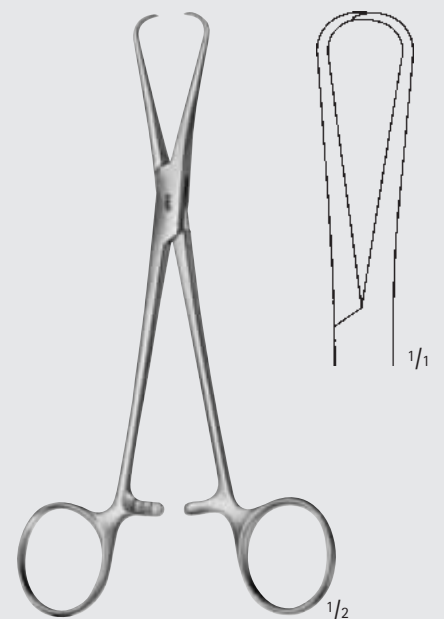
135 mm, 5 1/4"



ROEDER

**BF448R**

135 mm, 5 1/4"



BERNHARD

**BF426R**

160 mm, 6 1/4"



MILLIMETERS

## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Tuchklemmen

Towel Clamps

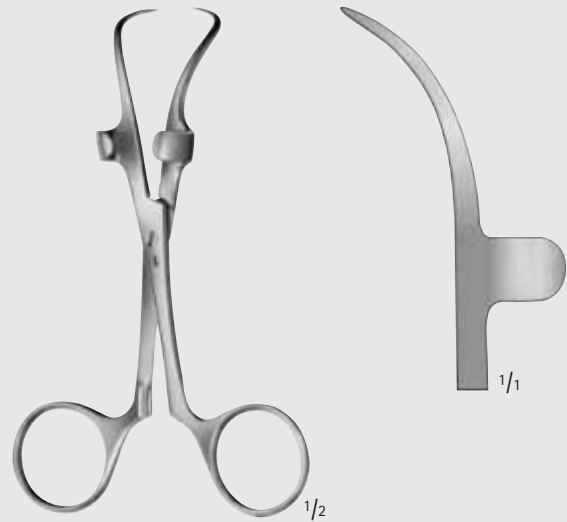
BF



ROBIN

**BF439R**

mit Kabelhalterung bis 5 mm  
Kabelstärke  
with holders for cable up to 5 mm  
135 mm, 5 1/4"



ROBIN

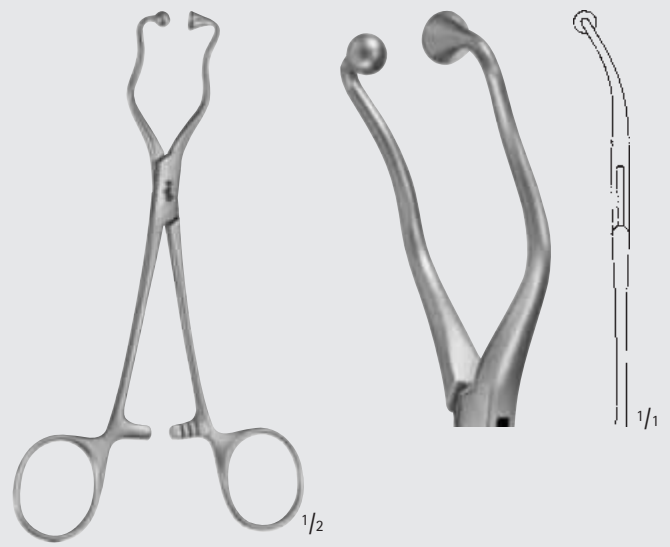
**BF440R**

mit Schlauchhalterung bis 13 mm  
Schlauchstärke  
with holders for tubing up to 13 mm  
135 mm, 5 1/4"



**BF442R**

mit Schlauchhalterung bis  
15 mm Schlauchstärke  
with holders for tubing up to 15 mm  
110 mm, 4 3/8"



**BF443R**

Doppelschlauch-Fixierklemme  
atraumatische Fassfläche  
Tube fixation forceps with  
atraumatic jaw parts  
140 mm, 5 1/2"

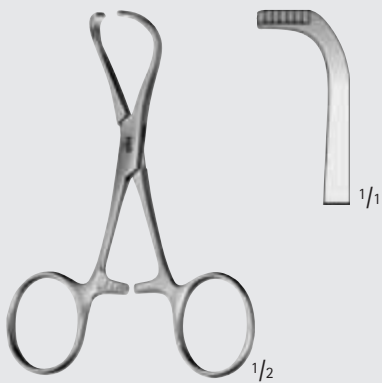
Besonders geeignet für HLM-  
Schläuche in der Herzchirurgie  
Especially suitable for HLM  
tubes for cardiovascular surgery



## Korn- und Tupferzangen – Sponge- and Dressing Forceps

Tuchklemmen  
Towel Clamps

**BF**



LORNA

**BF461R**

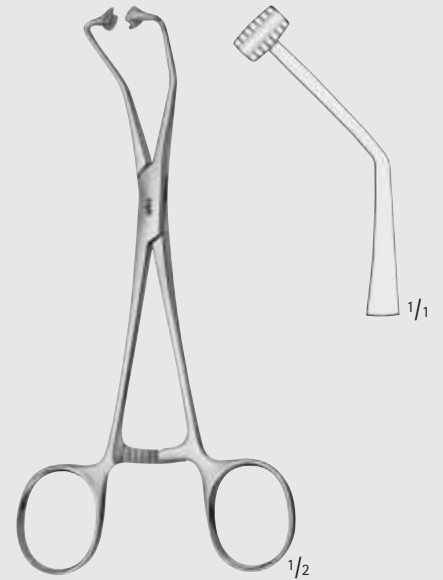
nicht perforierend  
non-perforating  
95 mm, 3 3/4"



LORNA

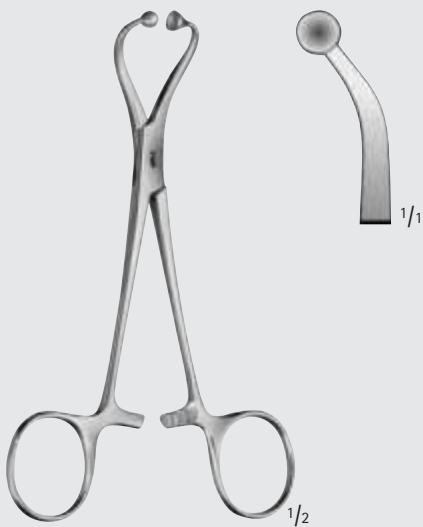
**BF463R**

nicht perforierend  
non-perforating  
130 mm, 5 1/8"



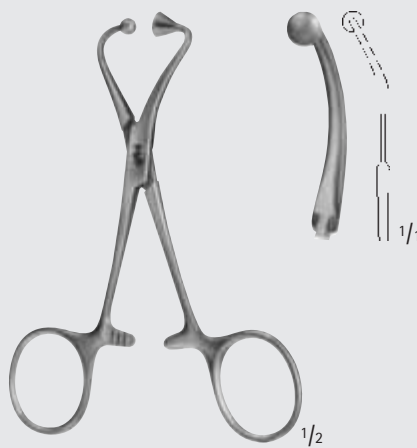
**BF460R**

für Papiertücher  
for paper cloths  
150 mm, 6"



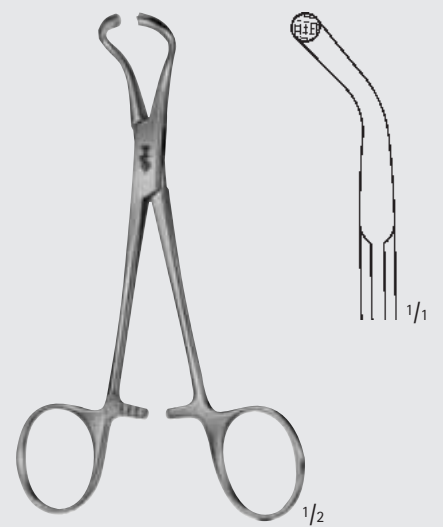
**BF464R**

für Papiertücher  
for paper cloths  
140 mm, 5 1/2"



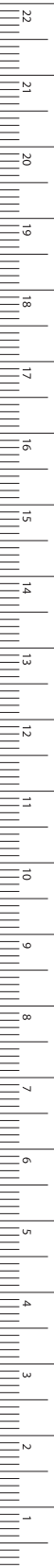
**BF465R**

für Papiertücher  
for paper cloths  
115 mm, 4 1/2"



**BF466R**

für Papiertücher  
for towel cloths  
135 mm, 5 1/4"



MILLIMETERS

# Korn- und Tupperzangen – Sponge- and Dressing Forceps

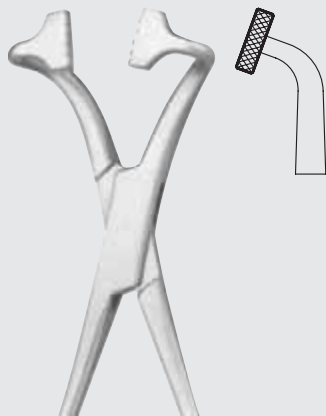
Tuchklemmen

Towel Clamps

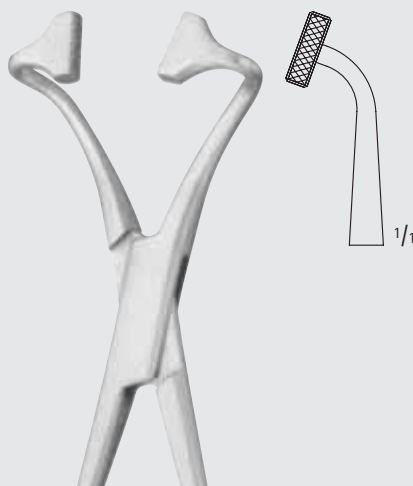
BF



**BF458R-BF459R**  
nicht perforierend  
non-perforating



**BF458R**  
100 mm  
4"



**BF459R**  
135 mm  
5 1/4"





## Korn- und Tupferzangen – Sponge- and Dressing Forceps Sterilisierklammern für Ringgriff-Instrumente Safety Pins for Holding Ring Handle Instruments

BF



BUNT

**BF491R**

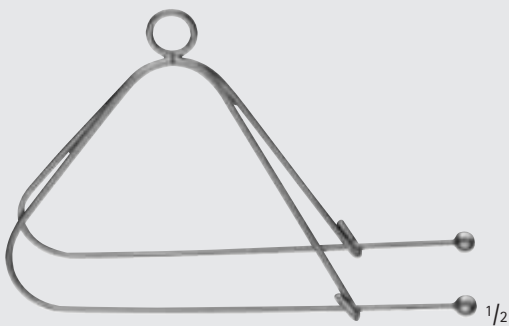
105 mm, 4 1/8"



MAYO

**BF493R**

140 mm, 5 1/2"



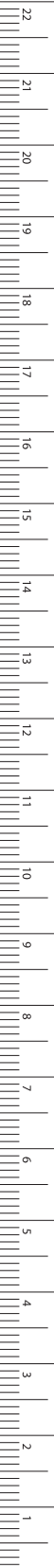
MAYO

**BF494R**

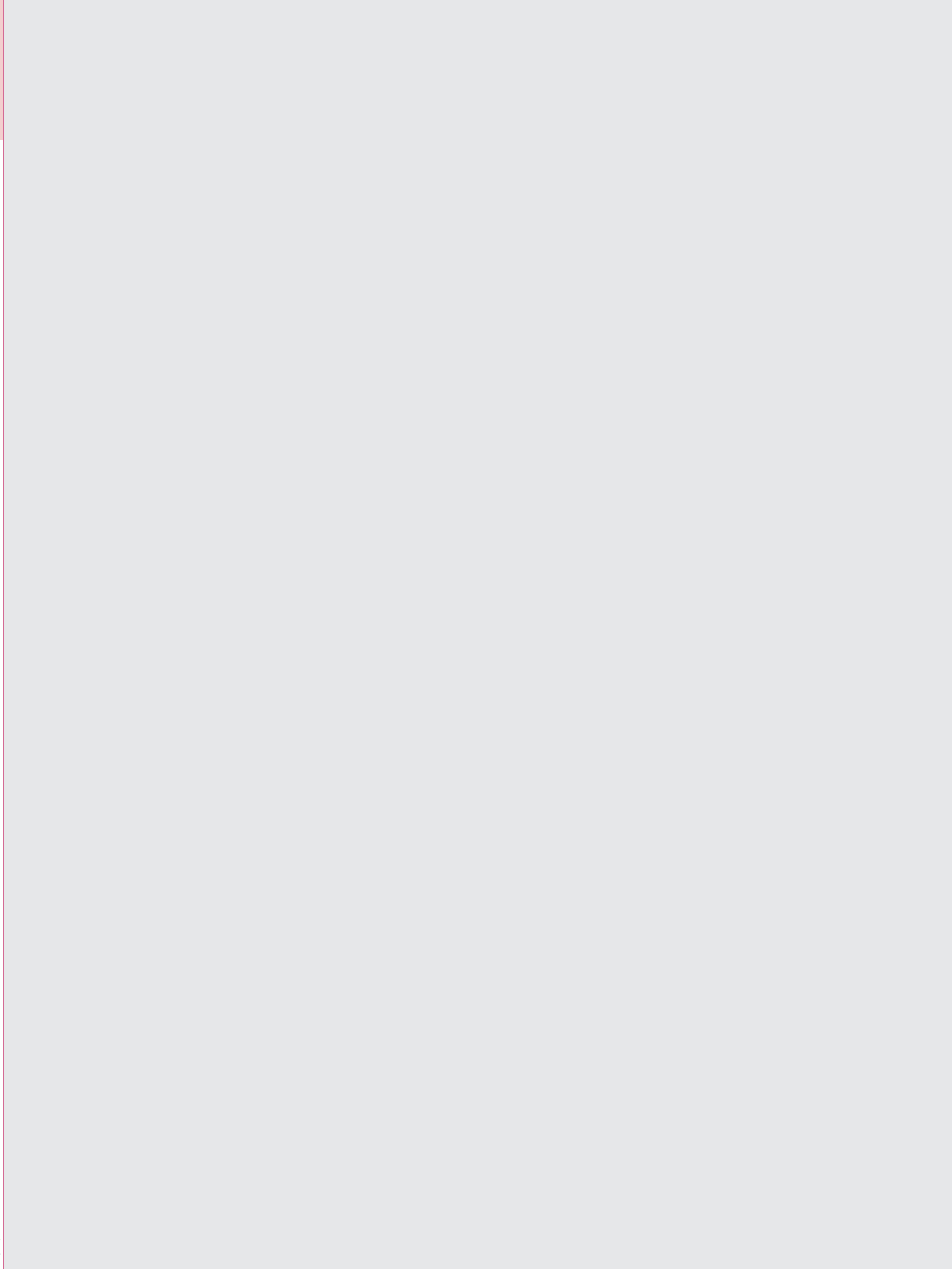
doppelt

double

125 mm, 5"



MILLIMETERS



BH



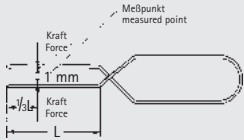
Arterienklemmen, Bulldogklemmen,  
Gefäßclipe, Approximatoren  
Haemostatic Forceps, Bulldog Clamps,  
Vessel Clips, Approximators

## Arterienklemmen – Hemostatic Forceps

Gefäßclipps nach BIEMER, Gefäßclipps nach MEHDORN, Minigröße  
BIEMER Vessel Clips, MEHDORN Vessel Clips, Mini Size

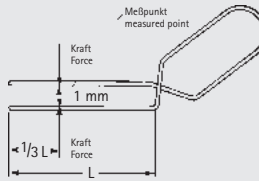
für temporären Gebrauch

- Maulinnenflächen schräg gerieft, für schonendes, sicheres Festhalten der Gefäße.
- Der fest eingestellte Schließdruck gewährt risikofreie Anwendung.
- Schließkraft-Ermittlung: bei  $\frac{1}{3}$  der Gesamtauflänge von vorn und einer Maulöffnung von 1 mm (siehe Zeichnung)



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  $\frac{1}{3}$  of the blades at 1 mm opening (see illustration).



### BIEMER

	Maul- öffnung Jaw opening	Maul- länge Jaw length	Schließkraft Closing force	Anlege- pinzette Applying forceps
 <b>FD560R</b>	4 mm	6 mm	30 - 40 g (0,29 - 0,39 N)	<b>FD568R</b> oder / or <b>FD569R</b>
 <b>FD561R</b>	5 mm	9 mm	30 - 40 g (0,29 - 0,39 N)	
 <b>FD562R</b>	5 mm	9 mm	20 - 25 g (0,20 - 0,25 N)	

(gekennzeichnet durch gelb gefärbte Federenden)  
für Gefäße mit  $\varnothing$  0,5 - 2,0 mm.

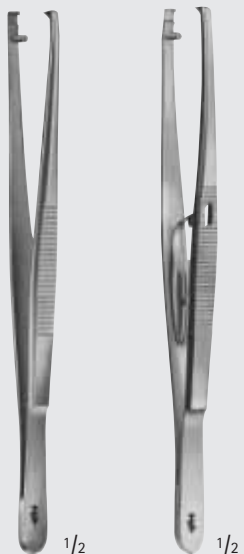
(identified by yellow colored spring ends)  
for vessels diam. 0.5 - 2.0 mm.

### MEHDORN

	Maul- öffnung Jaw opening	Maul- länge Jaw length	Schließkraft Closing force	Anlege- pinzette Applying forceps
 <b>FD552R</b>	4 mm	1,0 mm	10 - 15 g (0,10 - 0,15 N)	<b>FD578R</b>
 <b>FD554R</b>	4 mm	1,4 mm	15 - 20 g (0,15 - 0,20 N)	
 <b>FD556R</b>	6 mm	1,0 mm	10 - 15 g (0,10 - 0,15 N)	
 <b>FD558R</b>	6 mm	1,4 mm	15 - 20 g (0,15 - 0,20 N)	

(gekennzeichnet durch gelb eingefärbte Federenden)  
für Gefäße mit  $\varnothing$  0,5 - 1,5 mm (extra-intracraniale Anastomosen).

(identified by yellow colored spring ends)  
for vessels diam. 0.5 - 1.5 mm (extra-intercranial anastomosis).



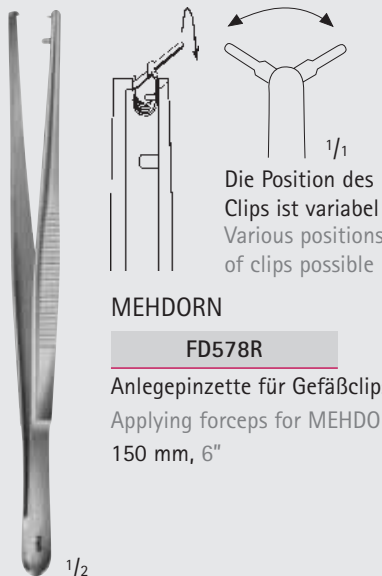
**FD568R**  
ohne Schloss  
without lock

**FD569R**  
mit Schloss  
with lock

### BIEMER

#### **FD568R-FD569R**

Anlegepinzetten für Gefäßclipps nach BIEMER und Approximatoren nach BIEMER-MÜLLER und MÜLLER  
Applying forceps for BIEMER vessel clips and BIEMER-MÜLLER and MÜLLER approximators  
140 mm, 5 1/2"



### MEHDORN

#### **FD578R**

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

Die Position des  
Clips ist variabel  
Various positions  
of clips possible



## Arterienklemmen – Hemostatic Forceps Approximatoren, nach BIEMER-MÜLLER, BIEMER BIEMER-MÜLLER, BIEMER Approximators

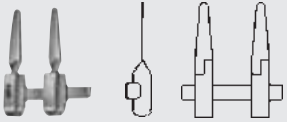
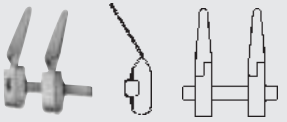
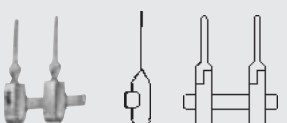

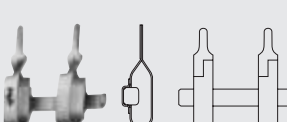
für Mikro-Gefäß Anastomosen im oberflächlichen Bereich

- 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.

for micro vessel anastomosis in the superficial range

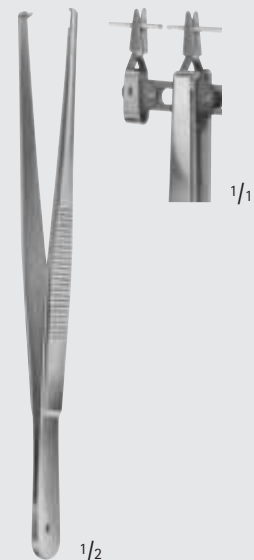
- Blade gripping surface with oblique serrations for careful but safe holding of the vessel ends.
- No risk due to rigidly fixed pressure measure.
- Adjustable distance between the clips and automatic fixation by tilting.
- Even when applied, the lightweight construction allows easy, distortionless turning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

### BIEMER-MÜLLER

Mikro-Approximatoren Micro approximators	Maul- öffnung Jaw opening	Maul- länge Jaw length	Schließkraft Closing force	Anlege- pinzette Applying forceps
<b>FD611R</b> 	5 mm	9 mm	25 - 30 g (0,25 - 0,29 N)	<b>FD568R</b> oder / or <b>FD569R</b>
<b>FD612R</b> 	5 mm	9 mm	25 - 30 g (0,25 - 0,29 N)	
<b>FD613R</b> 	5 mm	9 mm	25 - 30 g (0,25 - 0,29 N)	
<b>FD614R</b> 	5 mm	9 mm	25 - 30 g (0,25 - 0,29 N)	
<b>FD615R</b> 	3 mm	4,5 mm	25 - 30 g (0,25 - 0,29 N)	

### BIEMER

<b>FD571R</b> 	4 mm	6 mm	30 - 40 g (0,29 - 0,39 N)	<b>FD572R</b>
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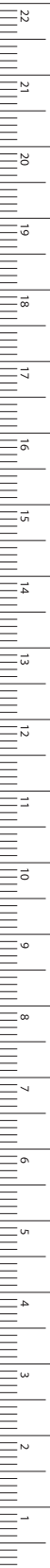


BIEMER

**FD572R**

Anlegepinzette für Gefäß-  
Approximator nach BIEMER  
Applying forceps for BIEMER  
vessel approximator  
145 mm, 5 3/4"

BH



## Arterienklemmen – Hemostatic Forceps

Approximator, Nerv-Approximator nach BIEMER  
Approximator, BIEMER Approximator for Nerves

für Mikro-Gefäß Anastomosen im tieferen Bereich, außerdem für 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.

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

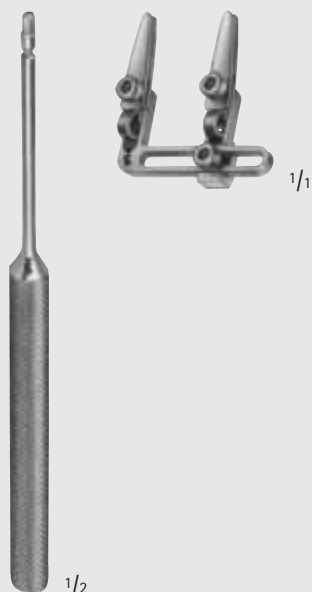
- Blade gripping surface with oblique serrations for careful but safe holding of the vessel ends.
- The pressure measure is adjusted with key FD576R.
- The distance between the clips is variable and fixed with key FD576R.

zur sicheren Adaption bei Nervanastomosen

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

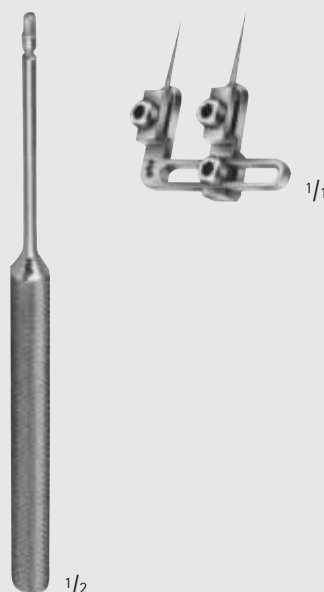
for safe adaption of nerve anastomoses

- 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.



**FD575R**

Approximator komplett, mit Schlüssel FD576R  
Approximator complete, with key FD576R



**BIEMER**

**FD635R**

Nerv-Approximator komplett, mit Schlüssel FD576R

**FD636R**

1 Paar Ersatznadeln  
1 pair of spare needles

Approximator for nerves complete, with key FD576R



## Arterienklemmen – Hemostatic Forceps

Gefäßclips  
Vessel Clips

BH

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

### MÜLLER

FE010K-FE024K

Temporäre Gefäßclips mit atraumatischem Maulprofil  
Non-traumatic vessel clips, temporary



Maulprofil fein kariert  
jaw profiles, finely  
cross-serrated

### MÜLLER

FE005K

Fadenklemme  
Ligature Forceps



MILLIMETERS

# Arterienklemmen – Hemostatic Forceps

Gefäßclips

Vascular Clips

DE BAKEY Zahnung

Toothing DE BAKEY

Gefäßclips nach MÜLLER

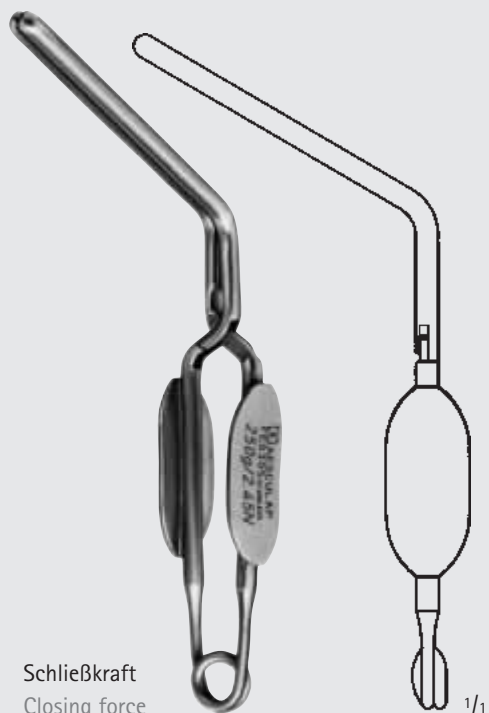
### Merkmale:

- 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.

MÜLLER Vascular Clips

### Features:

- Atraumatic mouth 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 mouth box guarantees precise guidance of the working tips. No risk of threads getting tangled up in clip.

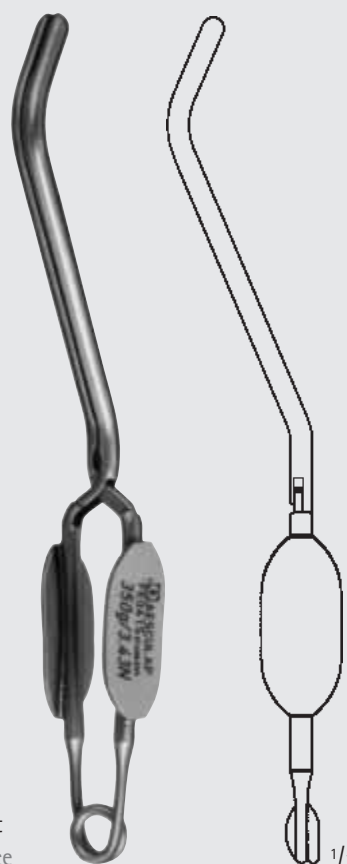


MÜLLER

250 g FE030S

350 g FE040S

gerade  
straight



MÜLLER

250 g FE031S

350 g FE041S

gebogen  
curved



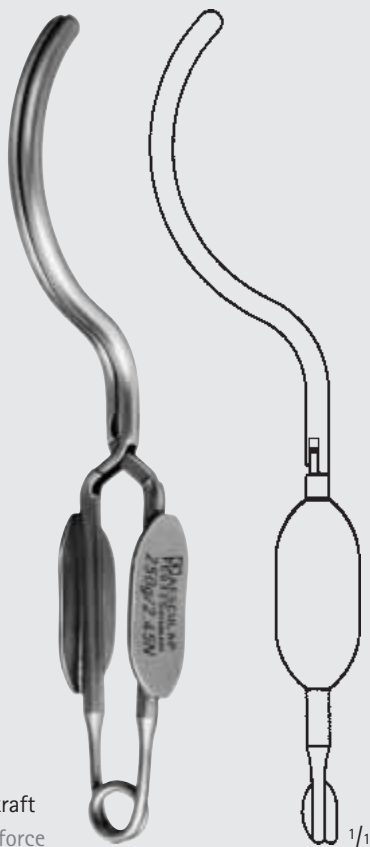


DE BAKEY Zahnung

Toothing DE BAKEY

# Arterienklemmen – Hemostatic Forceps Gefäßclips Vascular Clips

BH



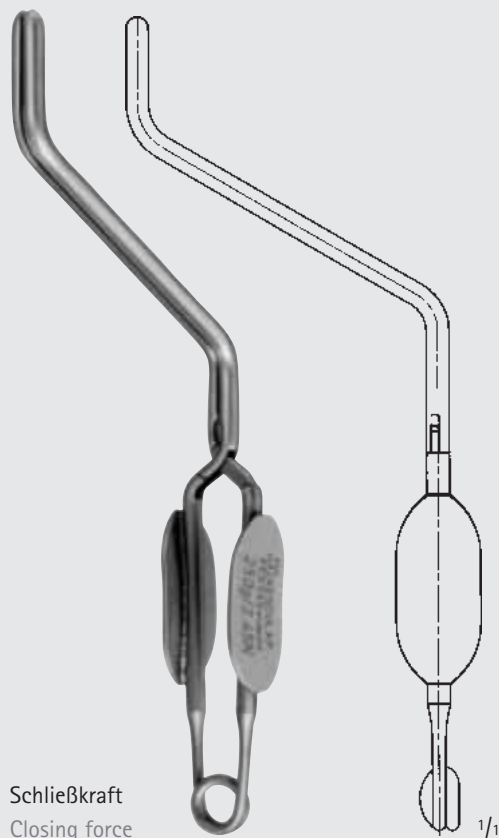
Schließkraft  
Closing force

MÜLLER

250 g FE032S

350 g FE042S

Spitze gebogen  
curved tips



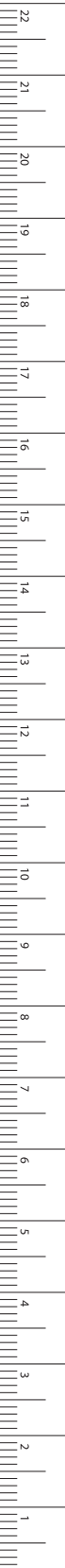
Schließkraft  
Closing force

MÜLLER

250 g FE034S

350 g FE044S

kniegebogen  
knee-bent



MILLIMETERS

## Arterienklemmen – Hemostatic Forceps

Bulldogklemmen

Bulldog Clamps

BH



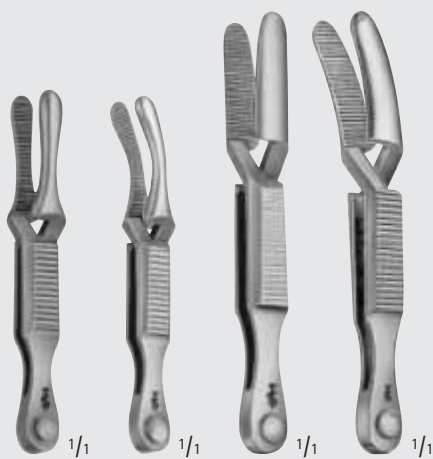
### JOHNS-HOPKINS

**BH018R**

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

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

240 mm, 9 3/4"



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

### DIEFFENBACH

Gesamtlänge:    Maullänge:  
 Total length:    Jaw length:

<b>BH020R</b>	38 mm, 1 1/2"	12 mm, 1/2"
<b>BH022R</b>	48 mm, 2"	16 mm, 5/8"
<b>BH021R</b>	38 mm, 1 1/2"	12 mm, 1/2"
<b>BH023R</b>	48 mm, 2"	16 mm, 5/8"
<b>BH026R</b>	58 mm, 2 1/8"	16 mm, 5/8"
<b>BH027R</b>	58 mm, 2 1/8"	16 mm, 5/8"



**BH011R-BH017R**

### JOHNS-HOPKINS

Gesamtlänge    Maullänge:  
 Total length:    Jaw length:

<b>BH011R</b>	38 mm, 1 1/2"	12 mm, 1/2"
<b>BH012R</b>	48 mm, 2"	17 mm, 5/8"
<b>BH013R</b>	56 mm, 2 1/8"	25 mm, 1"
<b>BH014R</b>	63 mm, 2 1/2"	30 mm, 1 3/16"
<b>BH015R</b>	70 mm, 2 3/4"	33 mm, 1 1/4"
<b>BH016R</b>	80 mm, 3 1/8"	42 mm, 1 3/4"
<b>BH017R</b>	91 mm, 3 1/2"	52 mm, 2"



## Arterienklemmen – Hemostatic Forceps

### Bulldogklemmen

### Bulldog Clamps

BH



1/1

DE BAKEY-HESS

**BH030R**

Gesamtlänge: 34 mm  
Total length: 1 3/8"  
Maullänge: 20 mm  
Jaw length: 3/4"



**FB328R**

Gesamtlänge: 35 mm  
Total length: 1 3/8"  
Maullänge: 14 mm  
Jaw length: 1/2"



**FB329R**

Gesamtlänge: 35 mm  
Total length: 1 3/8"  
Maullänge: 14 mm  
Jaw length: 1/2"



**FB330R**

Gesamtlänge: 45 mm  
Total length: 1 3/4"  
Maullänge: 19 mm  
Jaw length: 3/4"



1/1

**FB331R**

Gesamtlänge: 45 mm  
Total length: 1 3/4"  
Maullänge: 19 mm  
Jaw length: 3/4"



1/1

DE BAKEY-HESS

**BH031R**

Gesamtlänge: 43 mm  
Total length: 1 7/10"  
Maullänge: 30 mm  
Jaw length: 1 3/16"



DIETHRICH

**MB285R**

Gesamtlänge: 55 mm  
Total length: 2 1/8"  
Maullänge: 13 mm  
Jaw length: 1/2"



DIETHRICH

**BH032R**

Gesamtlänge: 48 mm  
Total length: 1 7/8"  
Maullänge: 10 mm  
Jaw length: 3/8"

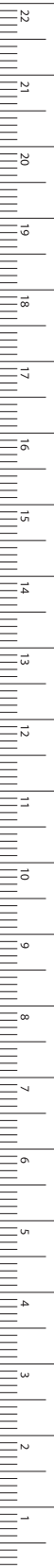


1/1

DIETHRICH

**BH034R**

Gesamtlänge: 48 mm  
Total length: 1 7/8"  
Maullänge: 13 mm  
Jaw length: 1/2"



MILLIMETERS

# Arterienklemmen – Hemostatic Forceps

Bulldogklemmen  
Bulldog Clamps

DE BAKEY Zahnung

AIRAUMATA®

Toothing DE BAKEY

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

gerade  
straight



gewinkelt, 55°  
angled, 55°



curved  
gebogen



	FB362R	FB364R	FB366R	FB363R	FB365R	FB367R	FB369R
Gesamtlänge:	50 mm	55 mm	60 mm	50 mm	50 mm	55 mm	55 mm
Total length:	2"	2 1/8"	2 3/8"	2"	2"	2 1/8"	2 1/8"
Maullänge:	10 mm	14 mm	20 mm	10 mm	14 mm	20 mm	20 mm
Jaw length:	3/8"	1/2"	3/4"	3/8"	1/2"	3/4"	3/4"



DE BAKEY  
FB352R



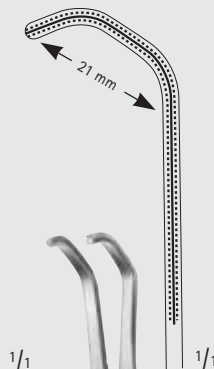
DE BAKEY  
FB353R



GLOVER  
FB431R



DE BAKEY  
FB357R



DE BAKEY  
FB358R



DE BAKEY  
FB359R

Gesamtlänge:	50 mm	48 mm	52 mm	73 mm	99 mm	95 mm
Total length:	2"	2"	2"	2 3/4"	4"	3 1/2"
Maullänge:	27 mm	27 mm	35 mm	38 mm	63 mm	54 mm
Jaw length:	1 1/8"	1 1/8"	1 1/3"	1 1/2"	2 1/2"	2 1/8"

BH





DE BAKEY Zahnung

Toothing DE BAKEY

**AIRAUMATA®**

## Arterienklemmen – Hemostatic Forceps

Bulldogklemmen

Bulldog Clamps

**BH**



	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY
	<b>FB420R</b>	<b>FB422R</b>	<b>FB424R</b>	<b>FB426R</b>	<b>FB421R</b>	<b>FB423R</b>	<b>FB425R</b>	<b>FB427R</b>
Gesamtlänge:	80 mm	90 mm	105 mm	124 mm	78 mm	86 mm	97 mm	114 mm
Total length:	3 1/8"	3 1/2"	4 1/8"	5"	3 1/8"	3 3/8"	3 3/4"	4 1/2"
Maullänge:	25 mm	35 mm	50 mm	68 mm	23 mm	31 mm	42 mm	58 mm
Length of jaw:	1"	1 3/8"	2"	2 3/4"	1"	1 1/8"	1 3/4"	2 3/8"



	GLOVER	GLOVER	GLOVER	GLOVER	GLOVER	GLOVER
	<b>FB432R</b>	<b>FB434R</b>	<b>FB436R</b>	<b>FB433R</b>	<b>FB435R</b>	<b>FB437R</b>
Gesamtlänge:	68 mm	96 mm	117 mm	65 mm	91 mm	110 mm
Total length:	2 3/4"	3 3/4"	4 3/4"	2 1/2"	3 1/2"	4 3/8"
Maullänge:	33 mm	50 mm	69 mm	33 mm	50 mm	69 mm
Length of jaw:	1 3/8"	2"	2 3/4"	1 3/8"	2"	2 3/4"



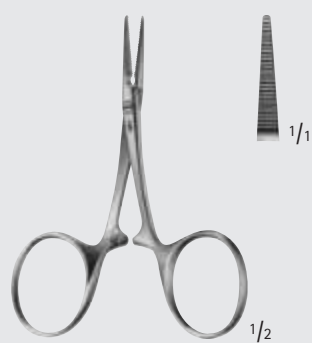
MILLIMETERS

# Arterienklemmen – Hemostatic Forceps

Feine Arterieklemmen

Delicate Hemostatic Forceps

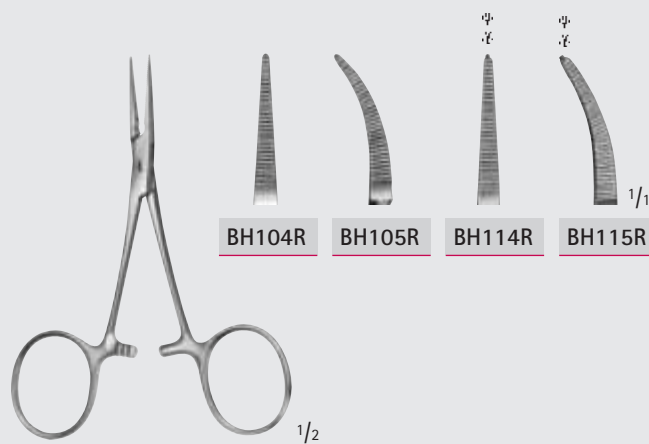
BH



CARREL

**BH100R**

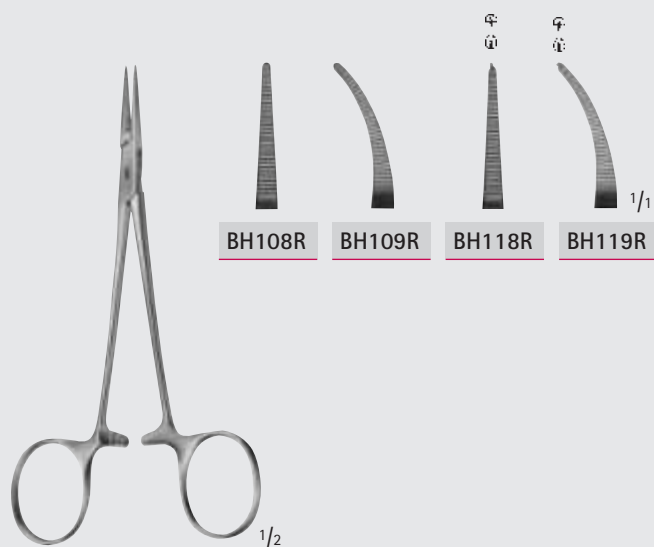
85 mm, 3 3/8"



BABY-MOSQUITO  
(HARTMANN)

**BH104R-BH115R**

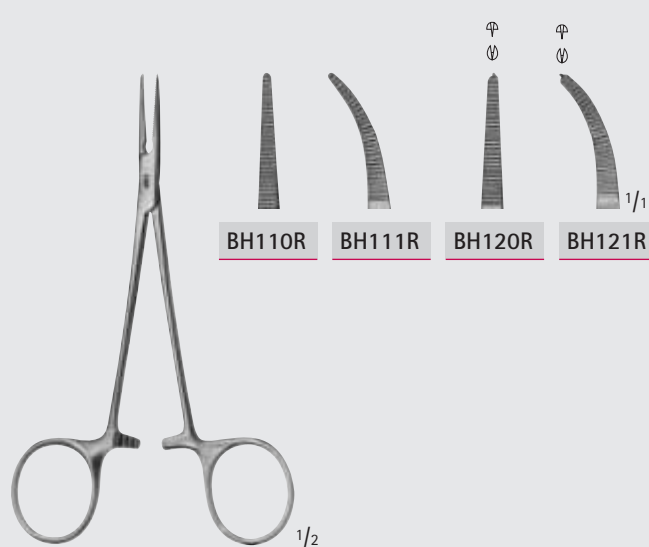
100 mm, 4"



MICRO-HALSTED

**BH108R-BH119R**

125 mm, 5"



HALSTED-MOSQUITO

**BH110R-BH121R**

125 mm, 5"

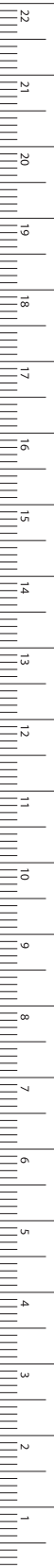


## Arterienklemmen – Hemostatic Forceps

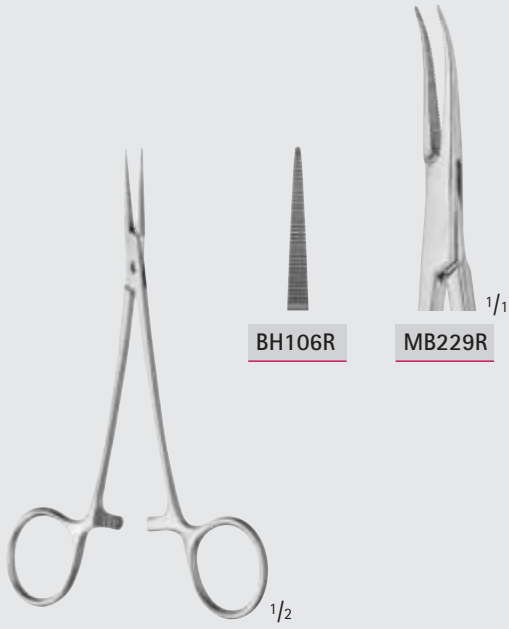
### Feine Arterienklemmen

### Delicate Hemostatic Forceps


BH



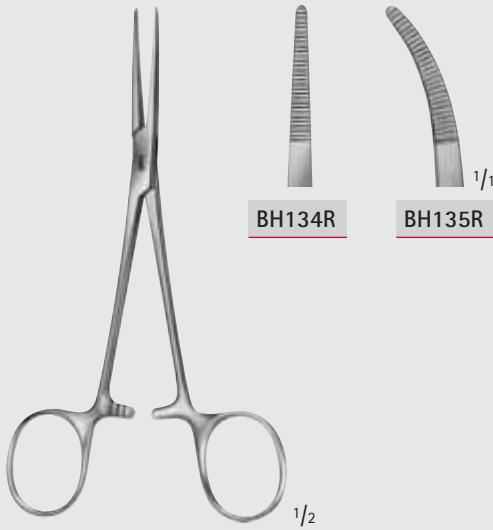
MILLIMETERS



**JACOBSON**  
**BH106R-MB229R**  
 125 mm, 5"



**PROVIDENCE-HOSPITAL**  
**BH130R-BH131R**  
 140 mm, 5 1/2"



**KELLY**  
**BH134R-BH135R**  
 140 mm, 5 1/2"



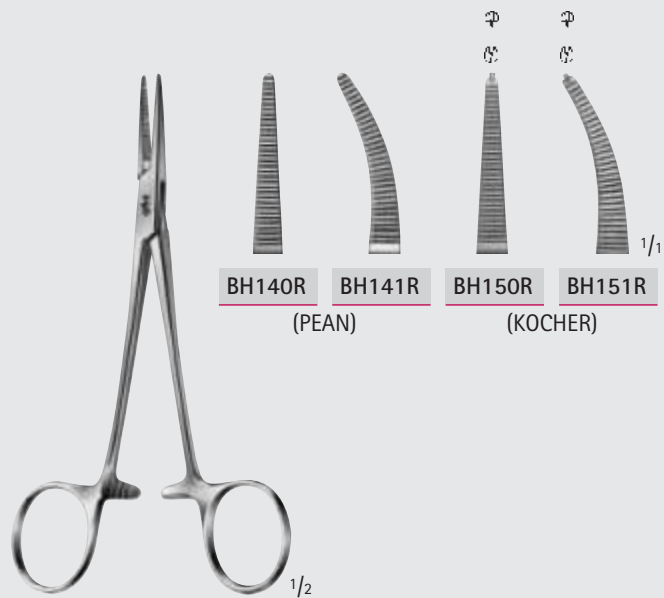
**DANDY**  
**BH139R-BH143R**  
 seitwärts gebogen  
 curved to side  
 140 mm, 5 1/2"

## Arterienklemmen – Hemostatic Forceps

Feine Arterienklemmen

Delicate Hemostatic Forceps

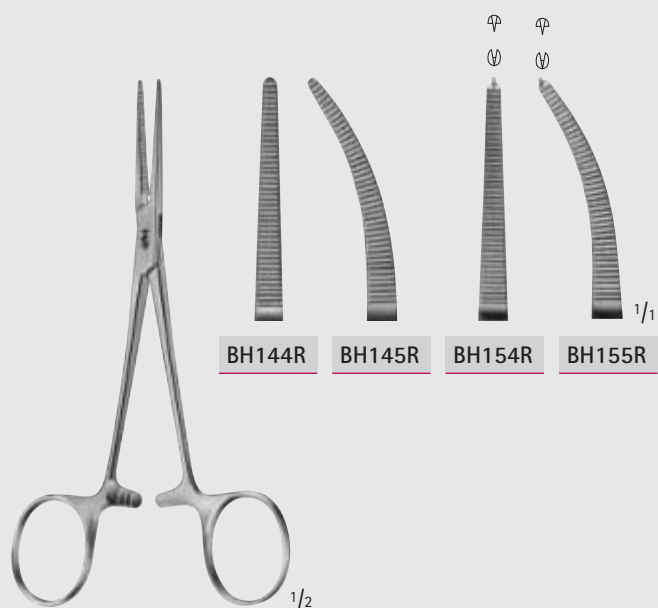
BH



BABY-CRILE

BH140R-BH151R

140 mm, 5 1/2"



CRILE

BH144R-BH155R

140 mm, 5 1/2"



DUNHILL

BH123R

125 mm, 5"





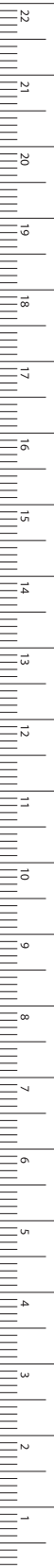


## Arterienklemmen – Hemostatic Forceps

### Feine Arterienklemmen

### Delicate Hemostatic Forceps

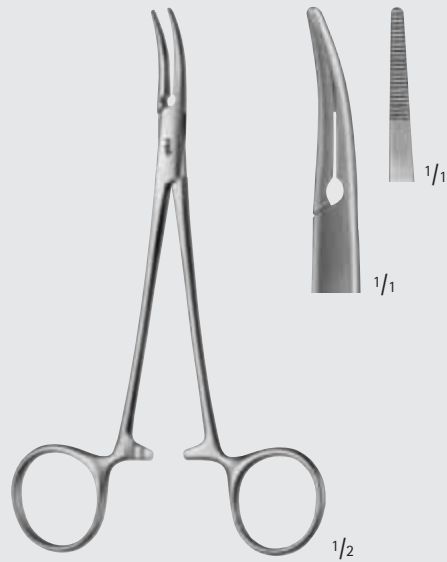
BH



CAIRNS

**BH124R-BH125R**

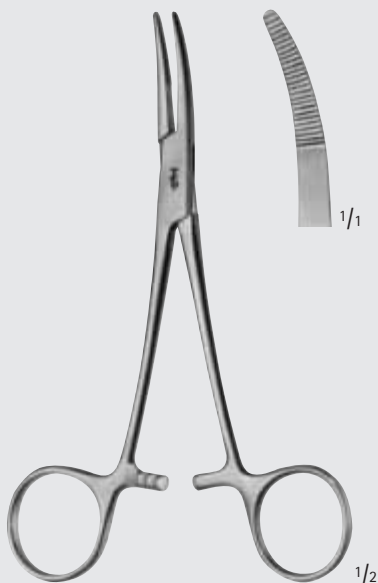
150 mm, 6"



CAIRNS

**BH126R**

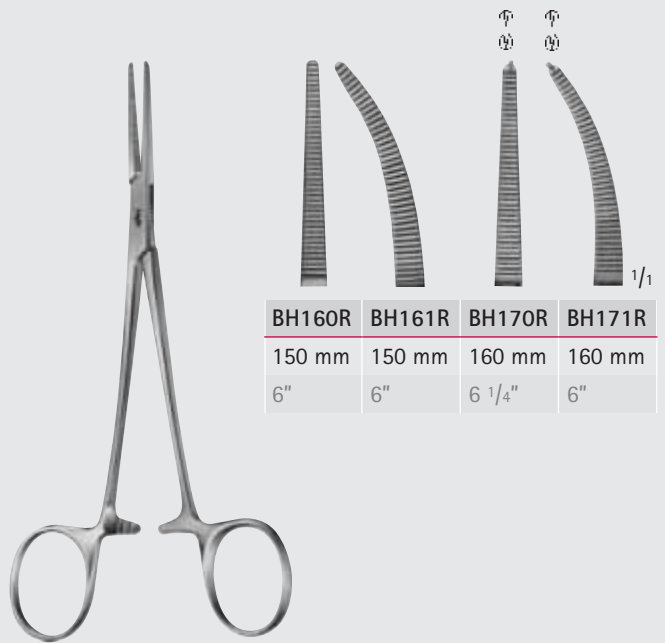
seitwärts gebogen  
curved to side  
145 mm, 5 3/4"



MOYNIHAN

**BH127R**

150 mm, 6"



BH160R	BH161R	BH170R	BH171R
150 mm	150 mm	160 mm	160 mm
6"	6"	6 1/4"	6"

LERICHE

**BH160R-BH171R**

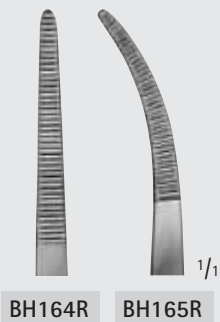
MILLIMETERS

## Arterienklemmen – Hemostatic Forceps

Feine Arterienklemmen

Delicate Hemostatic Forceps

BH



BH164R

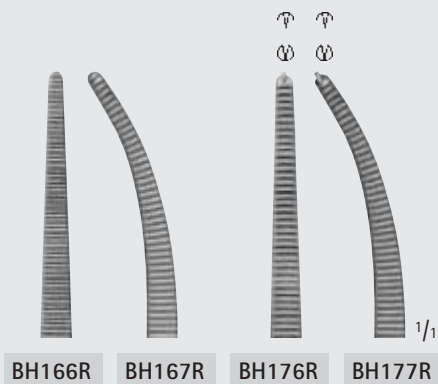
BH165R

1/2

RANKIN

BH164R-BH165R

160 mm, 6 1/4"



BH166R

BH167R

BH176R

BH177R

1/2

CRILE

BH166R-BH177R

160 mm, 6 1/4"



MD464

140 mm

5 1/2"

MD466R

165 mm

6 1/2"

MD468

185 mm

7 1/4"

MD465R

140 mm

5 1/2"

MD467R

165 mm

6 1/2"

MD469

185 mm

7 1/4"

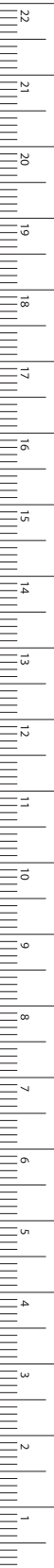
COLLER

MD464-MD469



**Arterienklemmen – Hemostatic Forceps**  
 Feine Arterienklemmen  
 Delicate Hemostatic Forceps

**BH**



**BH168R**

**BH178R**

**DIXON-LOVELACE**

**BH168R-BH178R**

160 mm, 6 1/4"



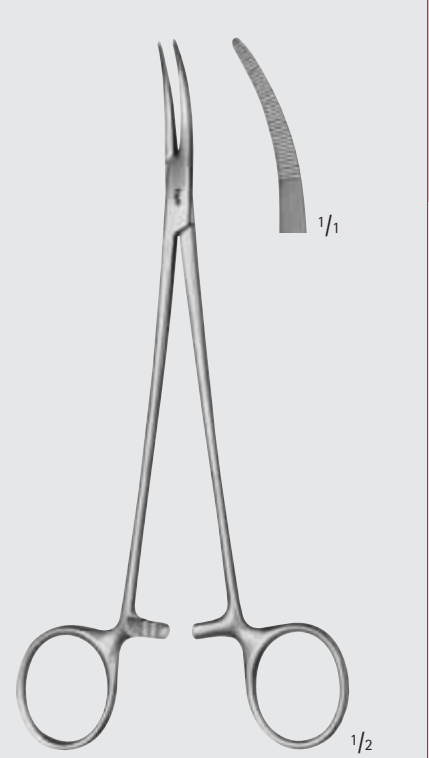
1/1

1/2

**FUCHSIG**

**BH198R**

195 mm, 7 3/4"



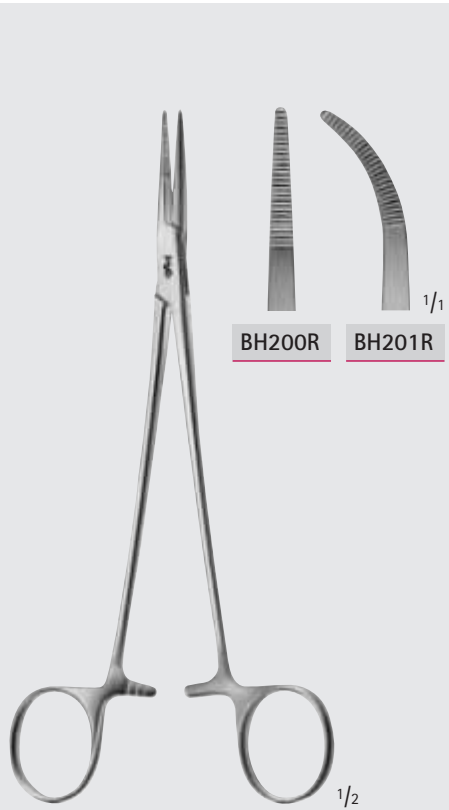
1/1

1/2

**NISSEN**

**BH199R**

185 mm, 7 1/4"



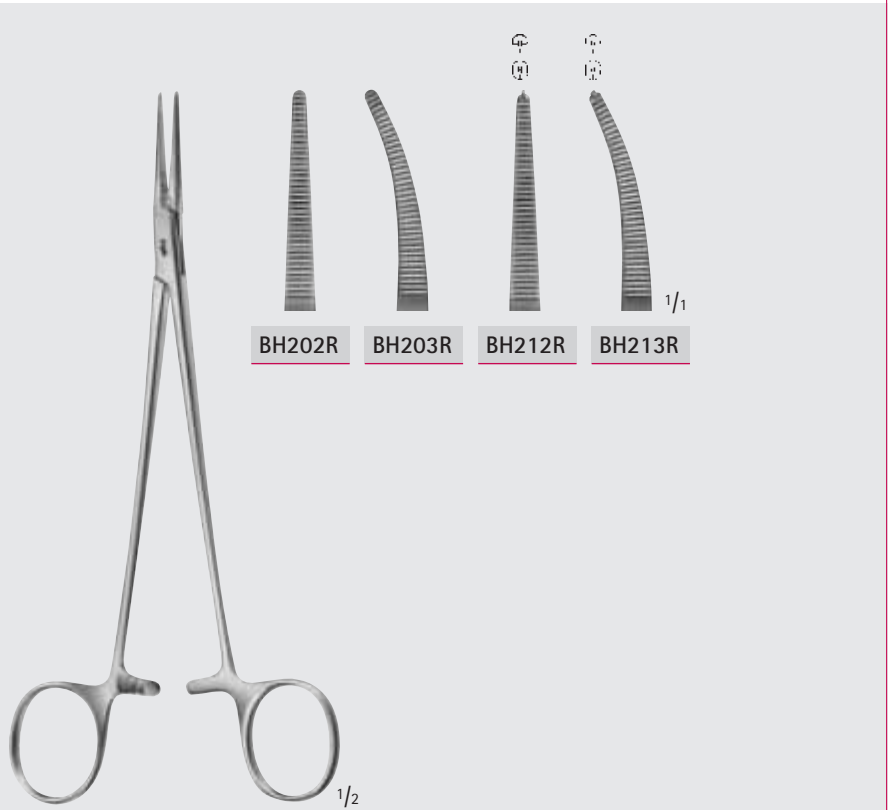
**BH200R**

**BH201R**

**ADSON**

**BH200R-BH201R**

185 mm, 7 1/4"



**BH202R**

**BH203R**

**BH212R**

**BH213R**

1/2

**HALSTED**

**BH202R-BH213R**

185 mm, 7 1/4"

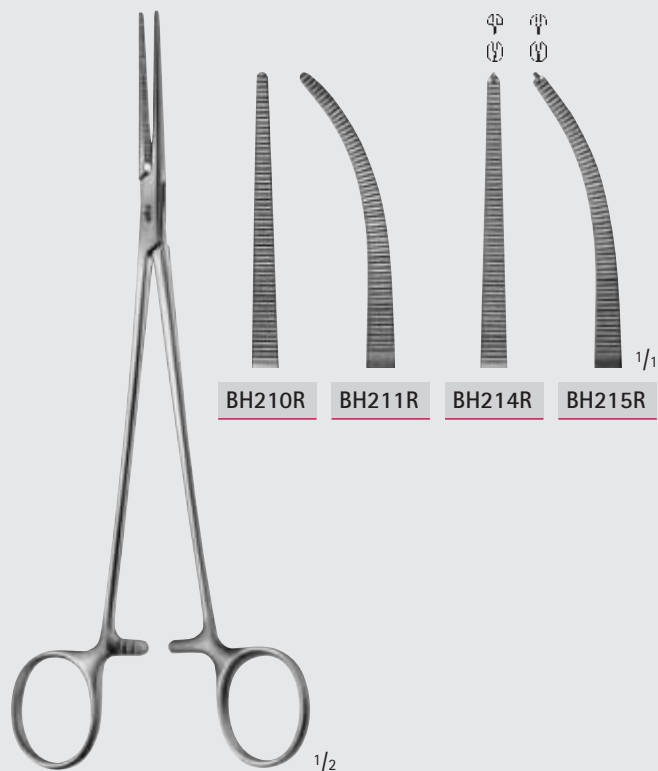
MILLIMETERS

# Arterienklemmen – Hemostatic Forceps

Feine Arterienklemmen

Delicate Hemostatic Forceps

BH



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"



## Arterienklemmen – Hemostatic Forceps

### Feine Arterienklemmen

### Delicate Hemostatic Forceps

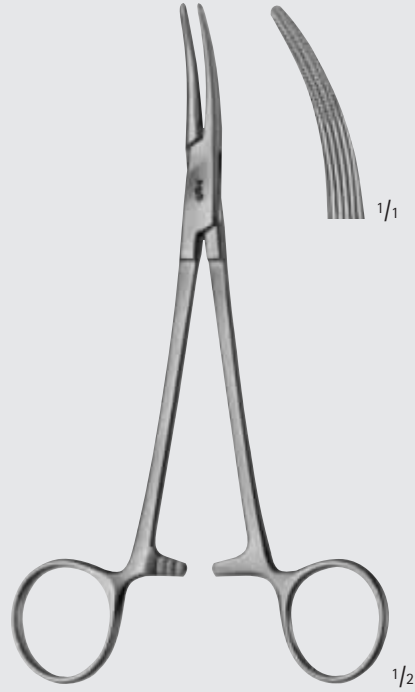
BH



DUNHILL

**BH191R**

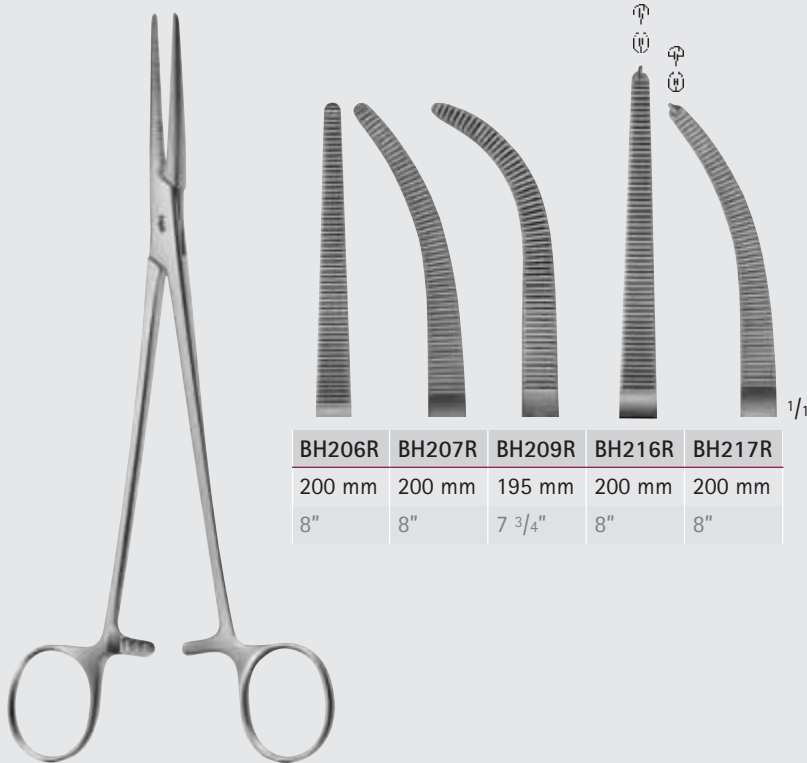
190 mm, 7 1/2"



GREY-TURNER

**BH193R**

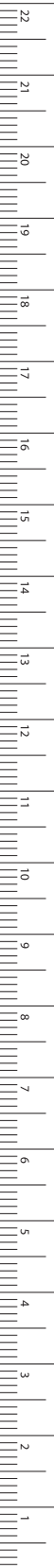
180 mm, 7"



BH206R	BH207R	BH209R	BH216R	BH217R
200 mm	200 mm	195 mm	200 mm	200 mm
8"	8"	7 3/4"	8"	8"

HEISS

**BH206R-BH217R**



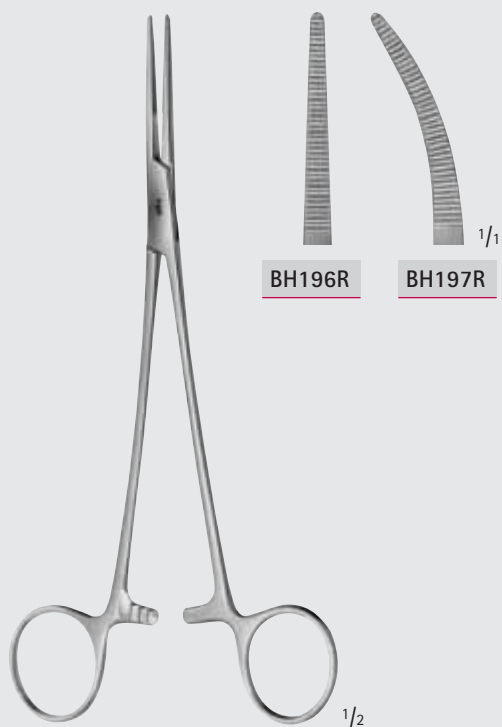
MILLIMETERS

# Arterienklemmen – Hemostatic Forceps

Feine Arterienklemmen

Delicate Hemostatic Forceps

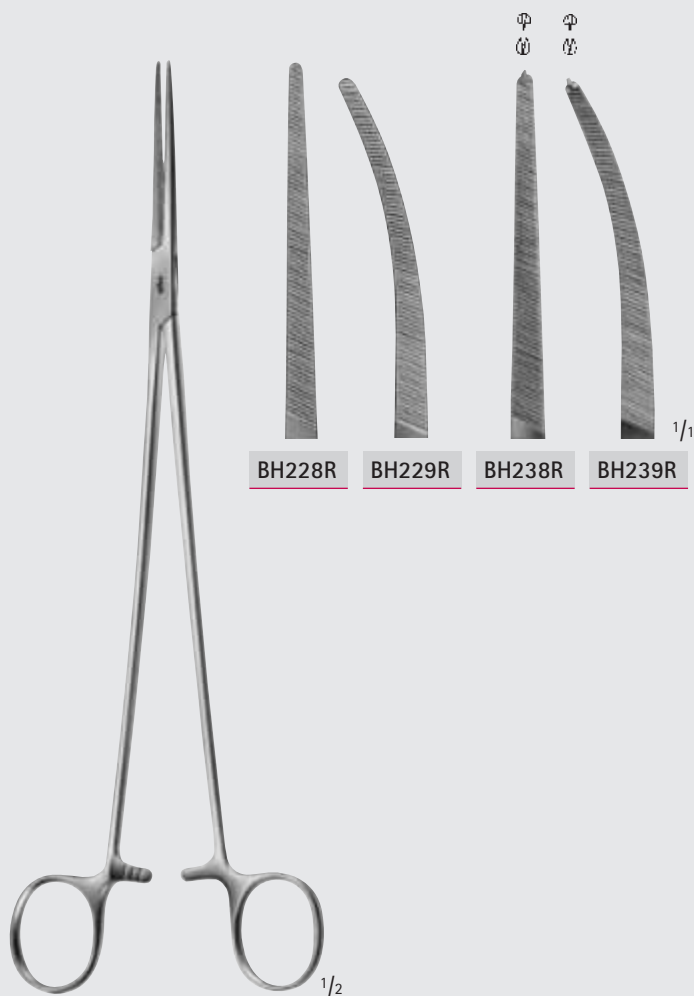
BH



BIRKETT

BH196R-BH197R

185 mm, 7 1/4"



BENGOLEA

BH228R-BH239R

245 mm, 9 3/4"



# Arterienklemmen – Hemostatic Forceps

Feine Arterienklemmen  
Delicate Hemostatic Forceps

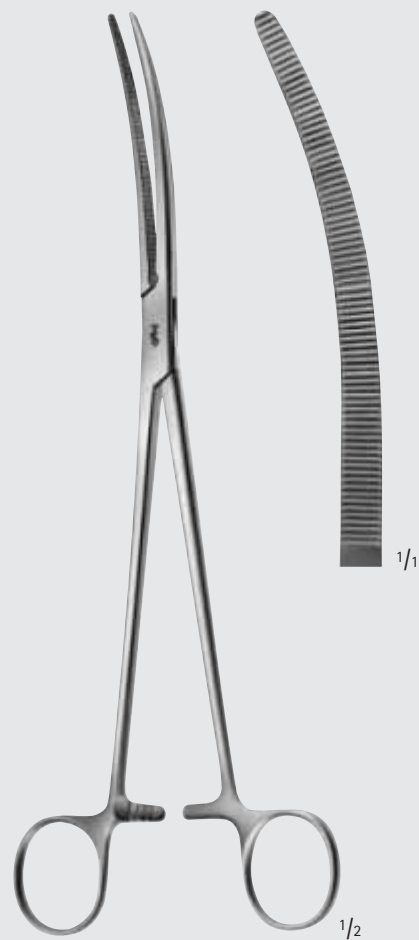
BH



SAROT

BH224R-BH234R

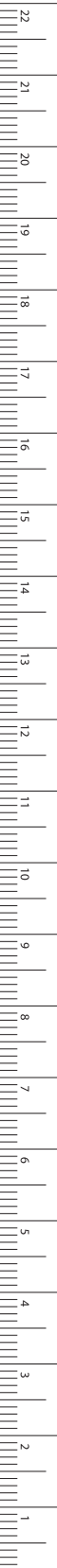
240 mm, 9 1/2"



CRAFOORD

BH225R

245 mm, 9 3/4"

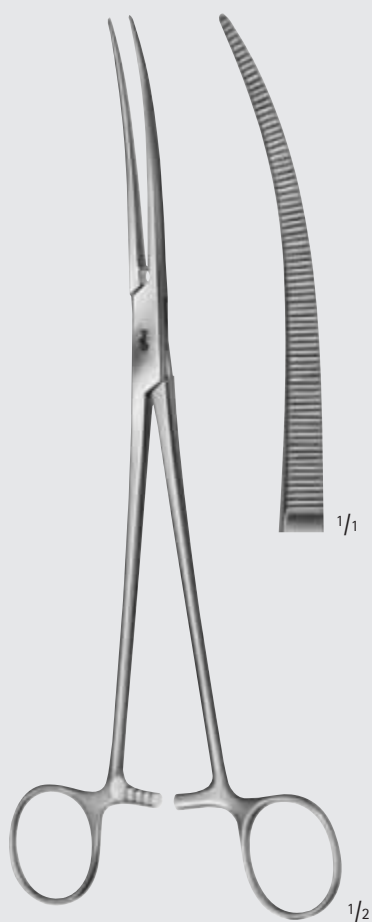
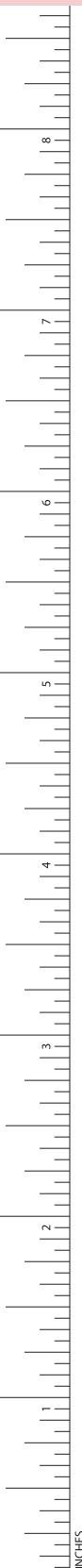


## Arterienklemmen – Hemostatic Forceps

Feine Arterienklemmen

Delicate Hemostatic Forceps

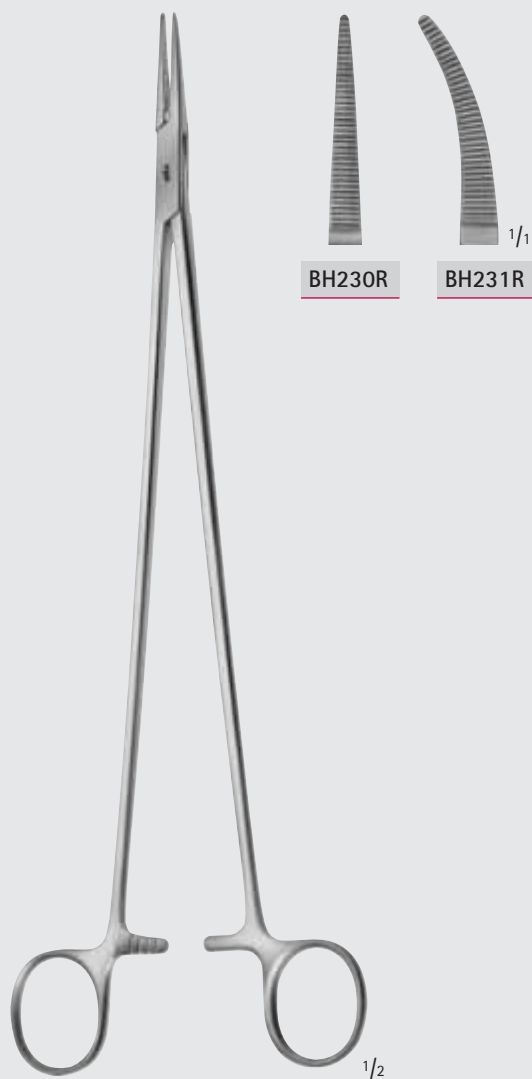
BH



CRAFOORD, MOD.

**BH227R**

240 mm, 9 1/2"



BRIDGE

**BH230R-BH231R**

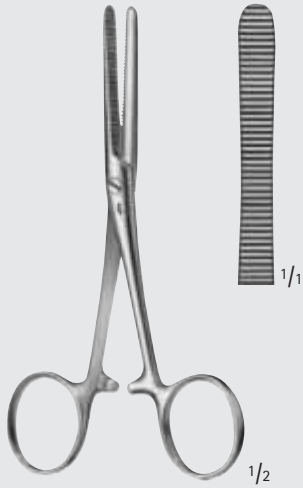
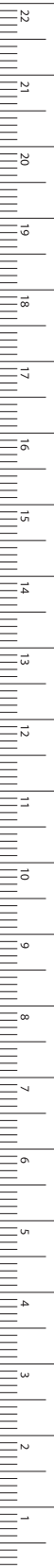
275 mm, 10 3/4"





Arterienklemmen – Hemostatic Forceps  
Arterienklemmen  
Hemostatic Forceps

BH



PEAN

**BH410R**

125 mm, 5"



KRÖNLEIN

**BH300R**

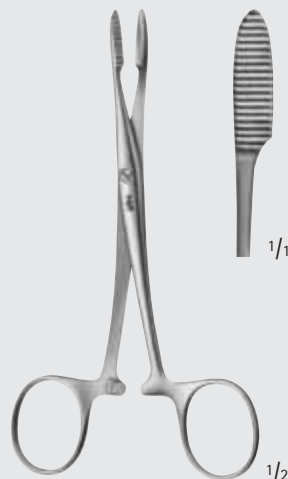
130 mm, 5 1/8"



PEAN

**BH302R-BH304R**

BH302R	BH304R
125 mm	140 mm
5"	5 1/2"



PEAN

**BH312R**

125 mm, 5"



PEAN

**BH316R-BH318R**

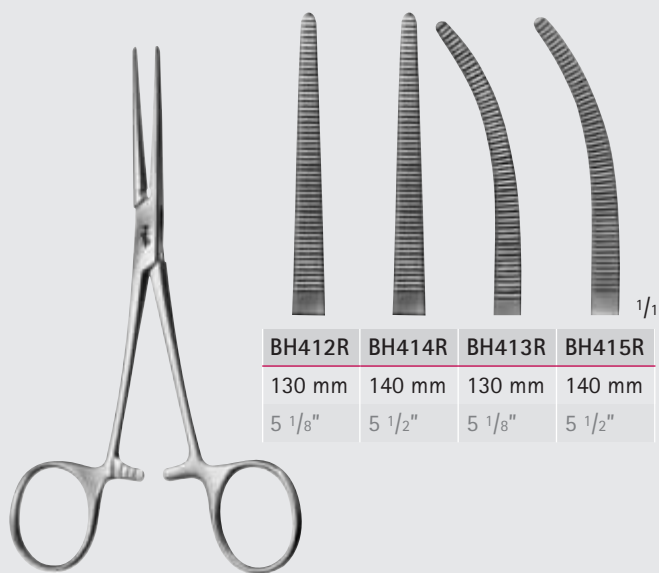
BH316R	BH318R
165 mm	185 mm
6 1/2"	7 1/4"

## Arterienklemmen – Hemostatic Forceps

Arterienklemmen

Hemostatic Forceps

BH



BH412R	BH414R	BH413R	BH415R
130 mm	140 mm	130 mm	140 mm
5 1/8"	5 1/2"	5 1/8"	5 1/2"

PEAN

**BH412R-BH415R**

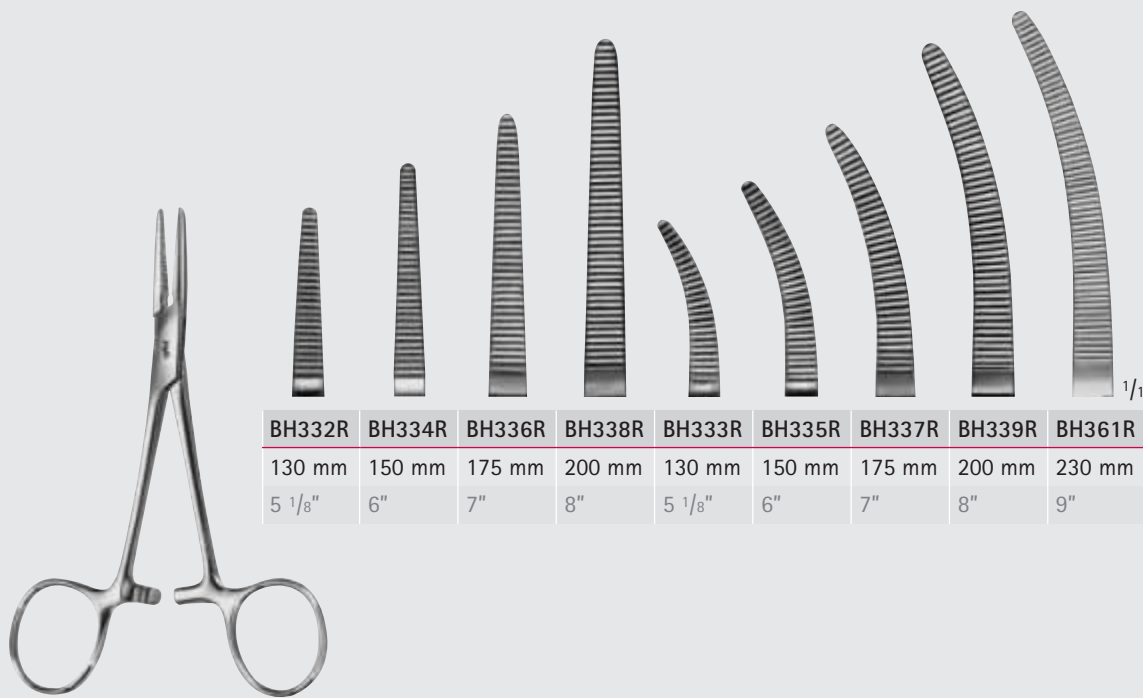
grazile Form  
slender type



BH422R	BH424R	BH425R
130 mm	140 mm	140 mm
5 1/8"	5 1/2"	5 1/2"

PEAN

**BH422R-BH425R**



BH332R	BH334R	BH336R	BH338R	BH333R	BH335R	BH337R	BH339R	BH361R
130 mm	150 mm	175 mm	200 mm	130 mm	150 mm	175 mm	200 mm	230 mm
5 1/8"	6"	7"	8"	5 1/8"	6"	7"	8"	9"

SPENCER-WELLS

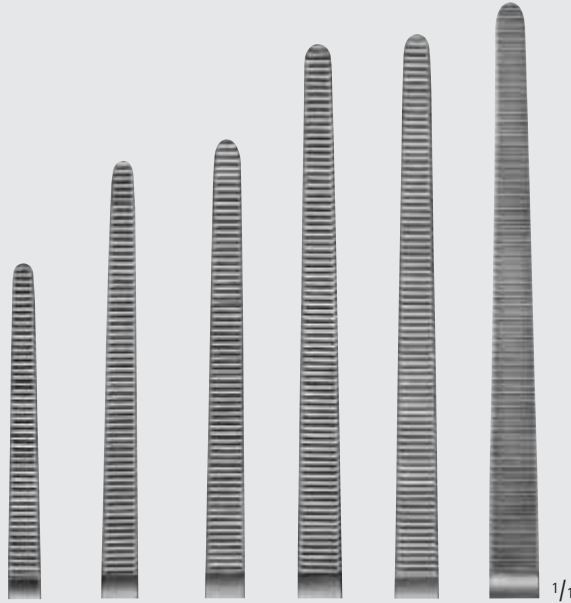
**BH332R-BH361R**



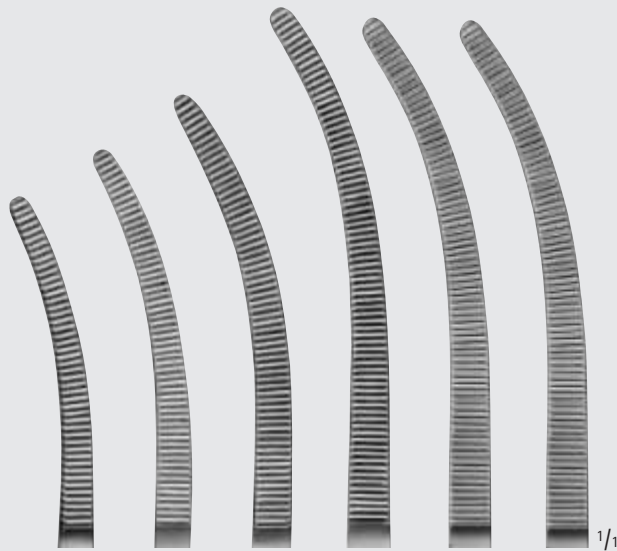
# Arterienklemmen – Hemostatic Forceps

Arterienklemmen  
Hemostatic Forceps

BH



BH442R	BH444R	BH446R	BH448R	BH450R	BH456R
160 mm	185 mm	200 mm	225 mm	240 mm	350 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"	14"

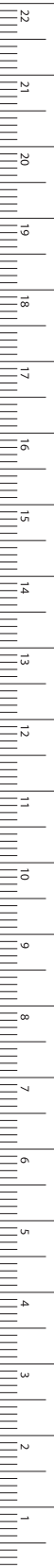


BH443R	BH445R	BH447R	BH449R	BH451R	BH457R
160 mm	185 mm	200 mm	225 mm	240 mm	350 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"	14"



ROCHESTER-PEAN

BH442R-BH457R



MILLIMETERS

# Arterienklemmen – Hemostatic Forceps

Arterienklemmen

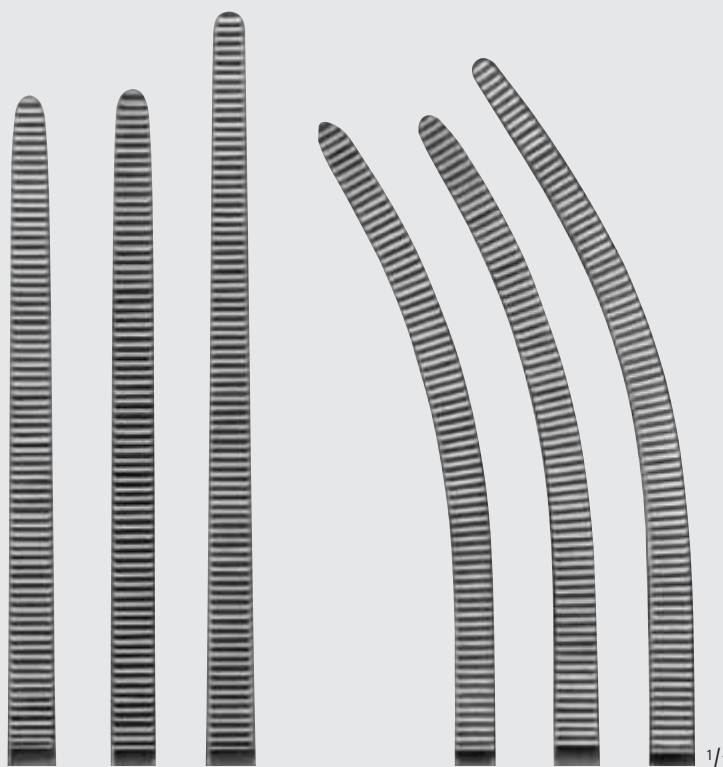
Hemostatic Forceps

BH



PEAN

BH470R-BH475R



BH470R	BH472R	BH474R
240 mm	260 mm	280 mm
9 1/2"	10 1/4"	11"

BH471R	BH473R	BH475R
240 mm	260 mm	280 mm
9 1/2"	10 1/4"	11"

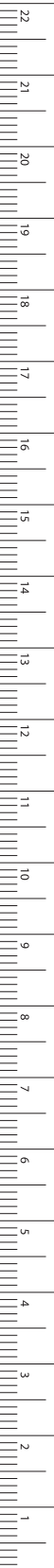


# Arterienklemmen – Hemostatic Forceps

## Arterienklemmen

### Hemostatic Forceps

**BH**



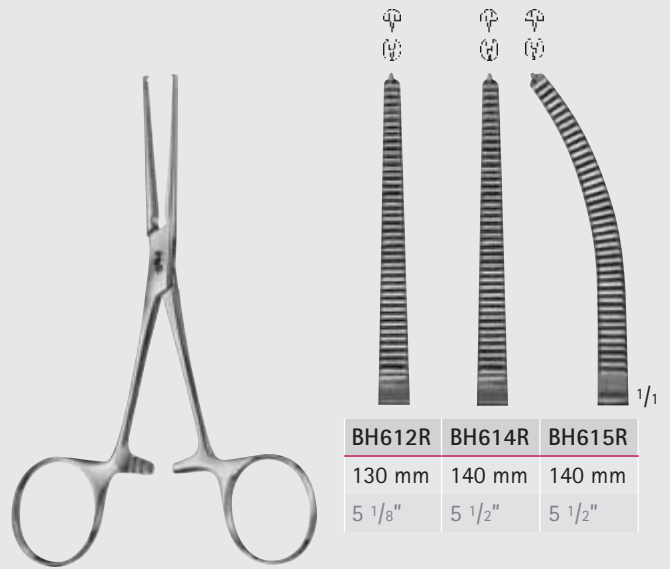
MILLIMETERS



KOCHER

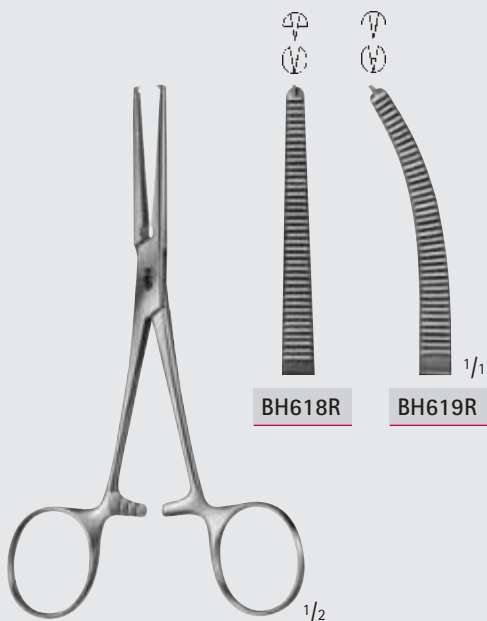
**BH610R**

kräftiges Modell  
strong pattern  
145 mm, 5 3/4"



KOCHER

**BH612R-BH615R**



ROCHESTER-OCHSNER

**BH618R-BH619R**

140 mm, 5 1/2"



KOCHER

**BH630R-BH631R**

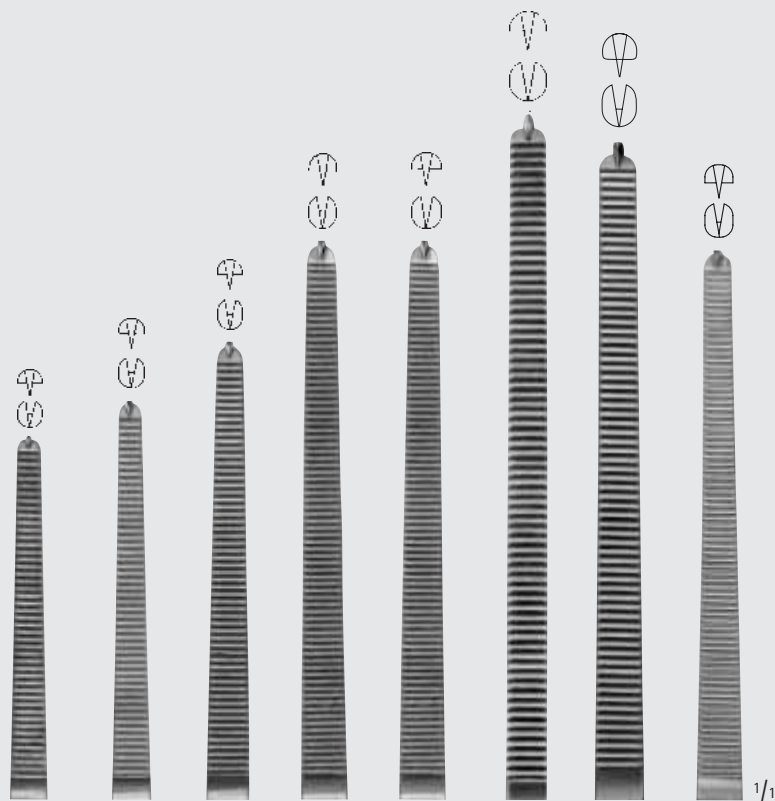
150 mm, 6"

# Arterienklemmen – Hemostatic Forceps

Arterienklemmen

Hemostatic Forceps

BH

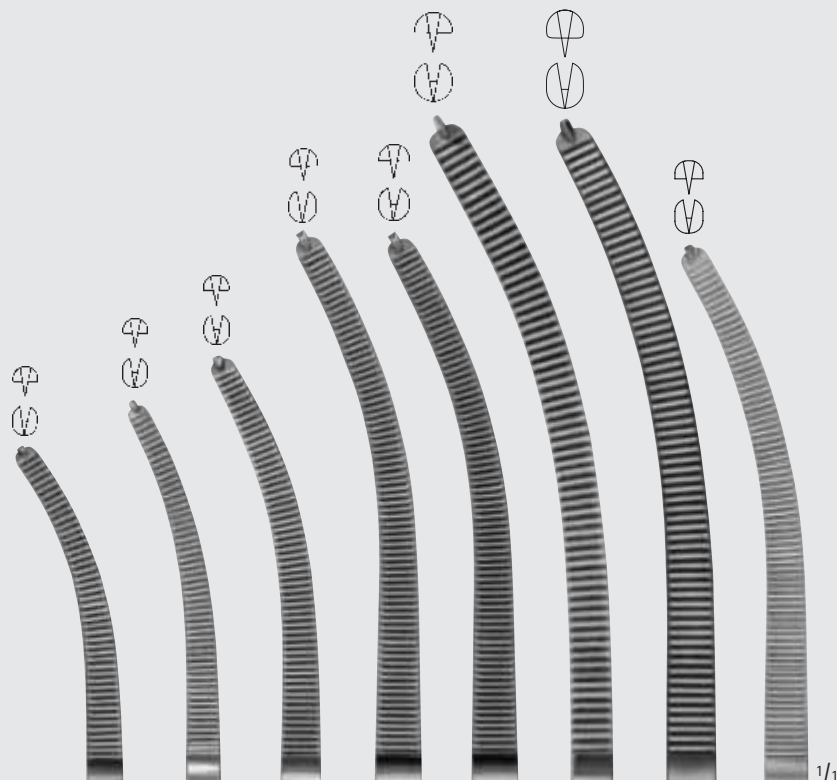


BH642R	BH644R	BH646R	BH648R	BH650R	BH652R	BH654R	BH658R
160 mm	185 mm	200 mm	225 mm	240 mm	260 mm	280 mm	350 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"	10 1/4"	11"	14"



KOCHER-OCHSNER

BH642R-BH659R



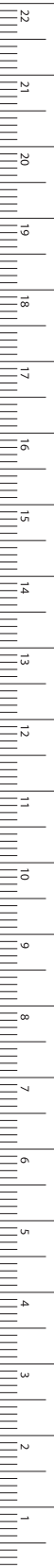
BH643R	BH645R	BH647R	BH649R	BH651R	BH653R	BH655R	BH659R
160 mm	185 mm	200 mm	225 mm	240 mm	260 mm	280 mm	350 mm
6 1/4"	7 1/4"	8"	9"	9 1/2"	10 1/4"	11"	14"



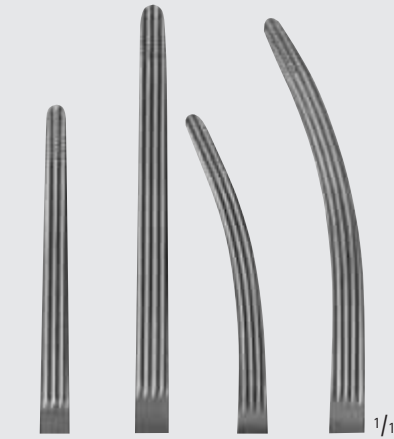
## Arterienklemmen – Hemostatic Forceps

Arterienklemmen, Spezial-Modelle  
Hemostatic Forceps, Special Patterns

BH



MILLIMETERS



BH800R	BH804R	BH801R	BH805R
160 mm	200 mm	160 mm	200 mm
6 1/4"	8"	6 1/4"	8"

ROCHESTER-CARMALT

BH800R-BH805R



FICKLING

BH807R-BH808R

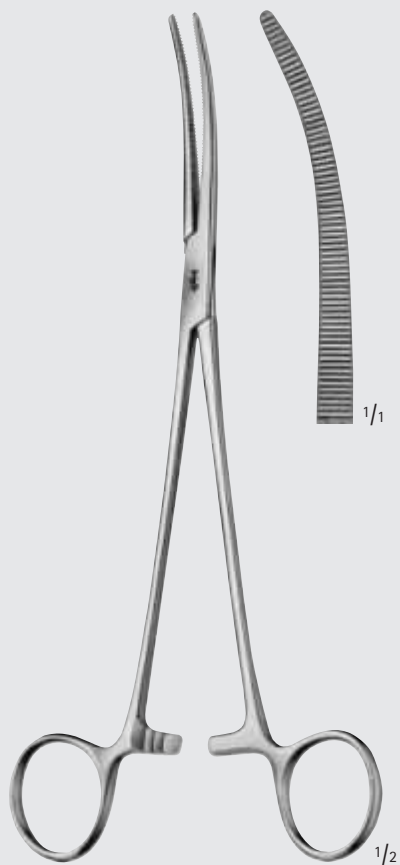
180 mm, 7"

## Arterienklemmen – Hemostatic Forceps

Arterienklemmen, Spezial-Modelle

Hemostatic Forceps, Special Patterns

BH



ROBERTS

BH814R

225 mm, 9"



ROBERTS

BH812R-BH813R

250 mm, 10"



SAROT

BH226R

250 mm, 9 3/4"

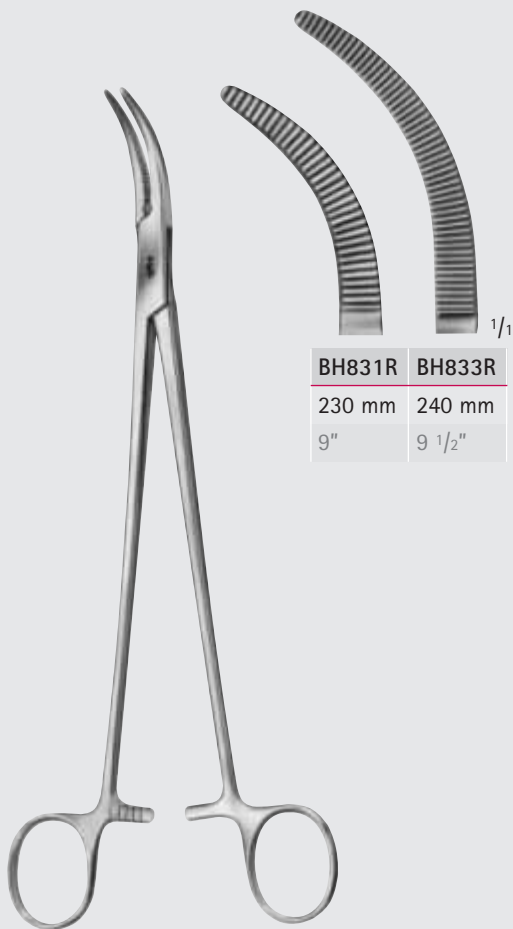




## Arterienklemmen – Hemostatic Forceps

Arterienklemmen, Spezial-Modelle  
Hemostatic Forceps, Special Patterns

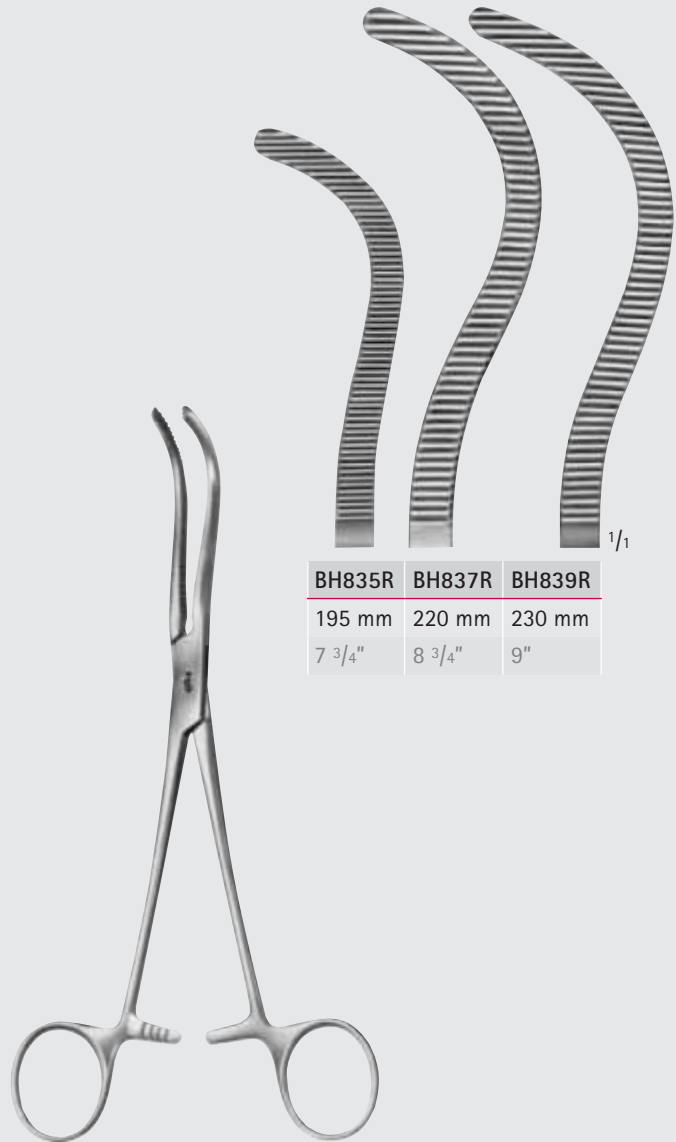
BH



BH831R	BH833R
230 mm	240 mm
9"	9 1/2"

MOYNIHAN

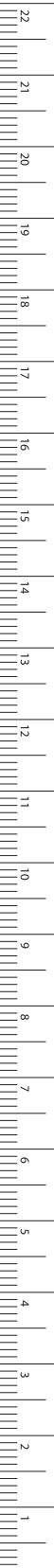
BH831R-BH833R



BH835R	BH837R	BH839R
195 mm	220 mm	230 mm
7 3/4"	8 3/4"	9"

PEAN

BH835R-BH839R



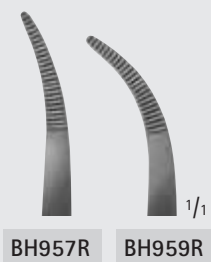
MILLIMETERS

## Arterienklemmen – Hemostatic Forceps

Arterienklemmen, Tonsillenklemmen

Hemostatic Forceps, Tonsil Forceps

BH



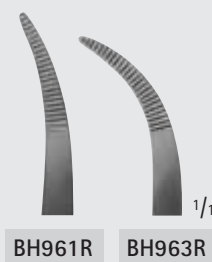
BH957R BH959R

1/2

SCHNIDT

BH957R-BH959R

185 mm, 7 1/4"



BH961R BH963R

1/2

SCHNIDT

BH961R-BH963R

185 mm, 7 1/4"



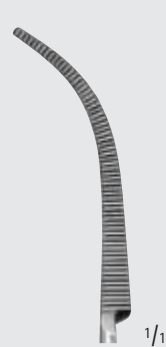
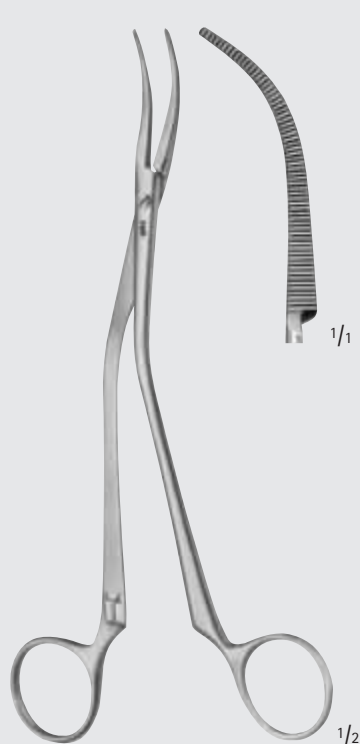
BH951R BH952R

1/2

NEGUS

BH951R-BH952R

190 mm, 7 1/2"

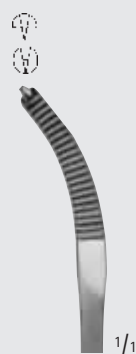
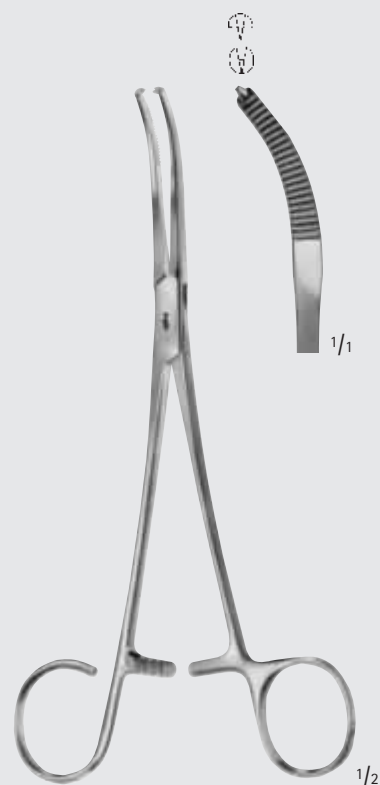


1/1

WILSON

BH965R

190 mm, 7 1/2"



1/1

1/2

MIKULICZ

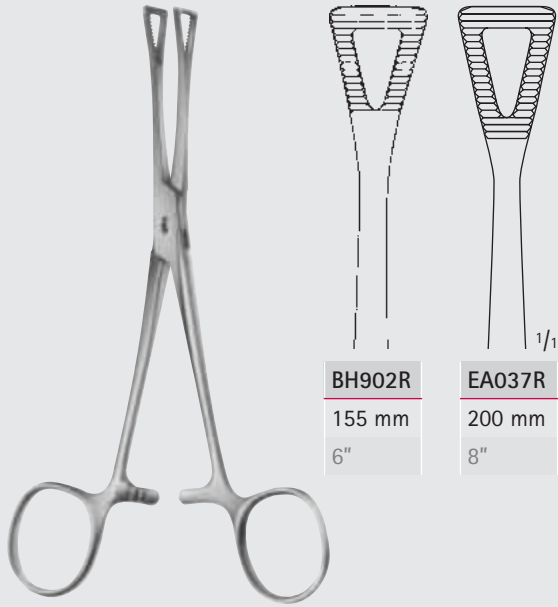
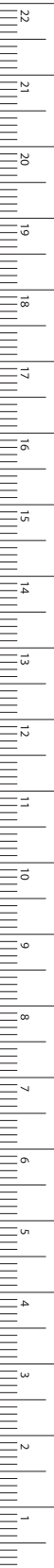
BH949R

185 mm, 7 1/4"



**Arterienklemmen – Hemostatic Forceps**  
 Arterienklemmen, Spezial-Modelle  
 Hemostatic Forceps, Special Patterns

**BH**

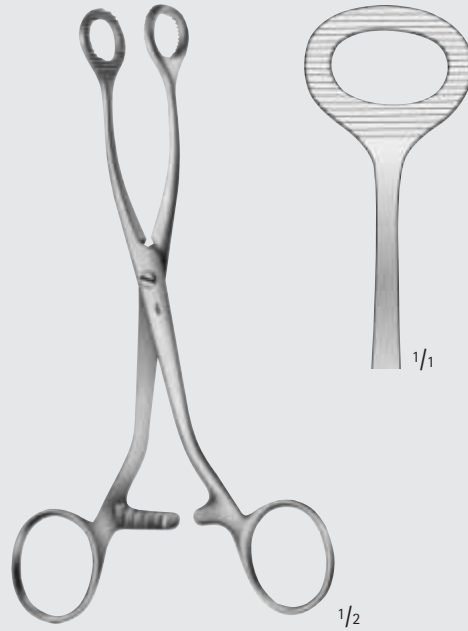


**BH902R**  
 155 mm  
 6"

**EA037R**  
 200 mm  
 8"

**PENNINGTON**

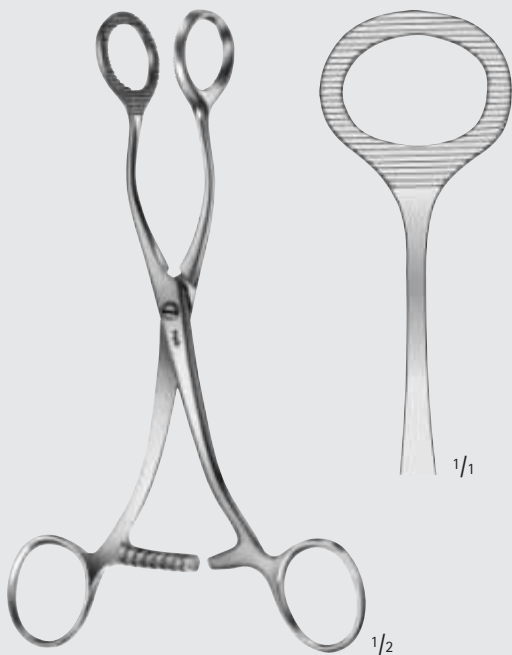
**BH902R-EA037R**



**COLLIN**

**BH906R**

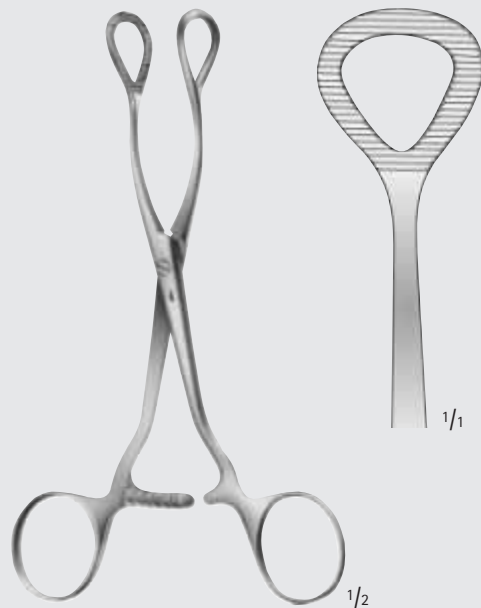
160 mm, 6 1/4"



**COLLIN**

**AN709R**

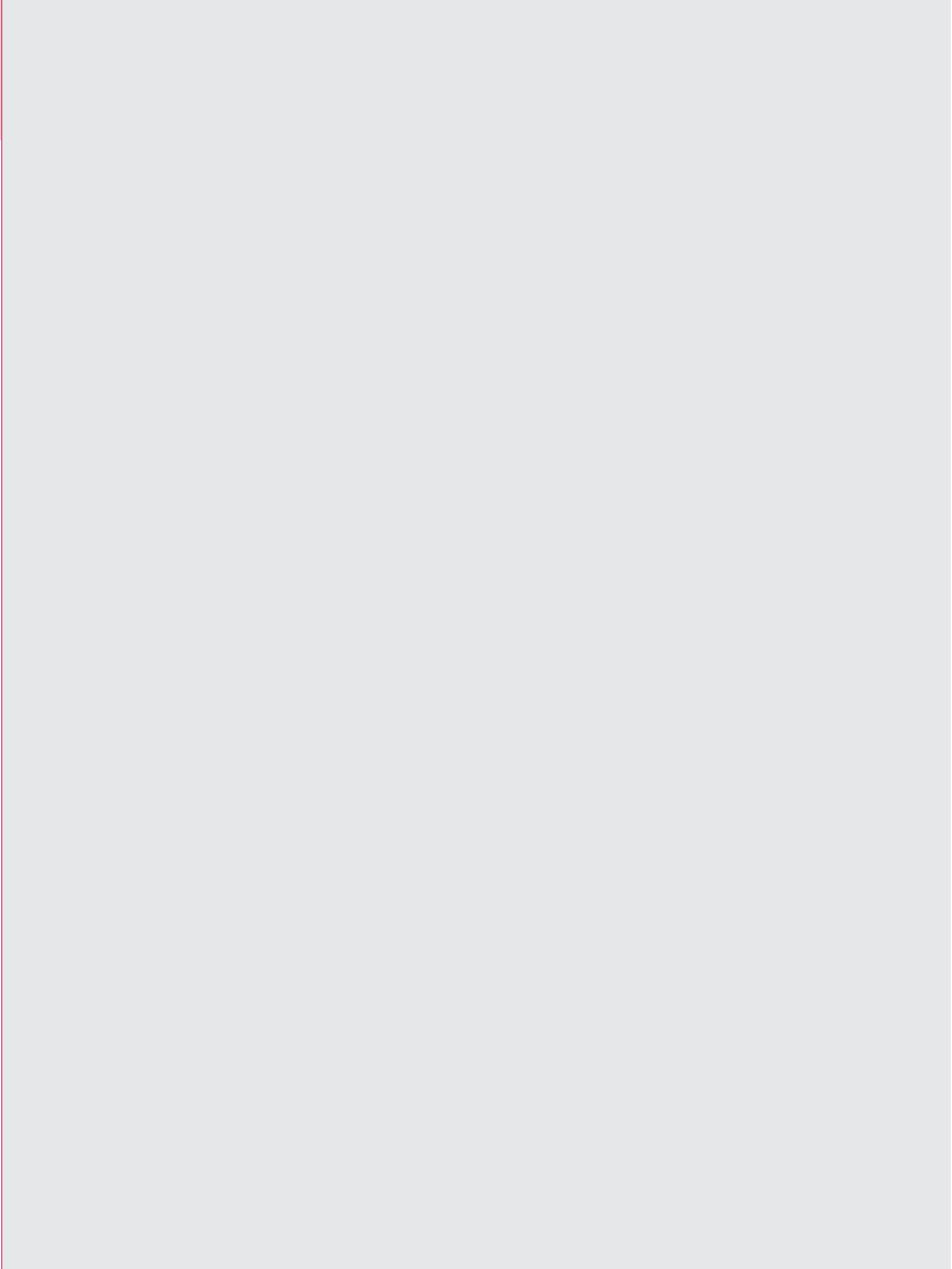
170 mm, 6 3/4"



**COLLIN**

**BH908R**

160 mm, 6 1/4"



BJ



Präparier- und Ligaturklemmen,  
Hysterektomieklemmen

Dissecting- and Ligature Forceps,  
Hysterectomy Clamps

**Klemmen – Forceps**  
 Präparier- und Ligaturklemmen  
 Dissecting- and Ligature Forceps

**BJ**



**BJ002R**

Ligaturklemme gerade  
 Ligature forceps straight  
 95 mm, 3 3/4"



**MICRO-ADSON**

**BJ008R**

140 mm, 5 1/2"



**BABY-OVERHOLT**

**BJ009R**

135 mm, 5 1/4"



**BABY-MIXTER**

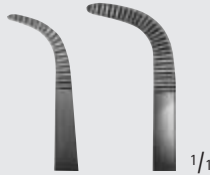
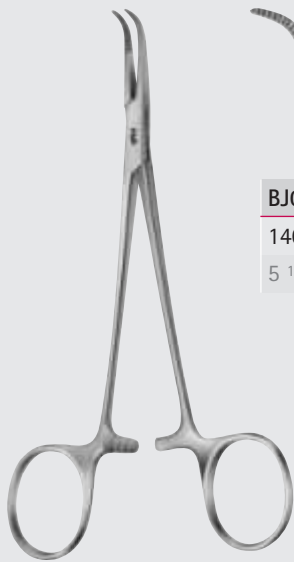
**BJ011R-BJ012R**



## Klemmen – Forceps

Präparier- und Ligaturklemmen  
Dissecting- and Ligature Forceps

BJ



BJ013R	BJ014R
140 mm	180 mm
5 1/2"	7"

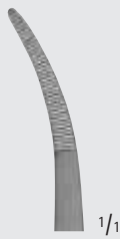
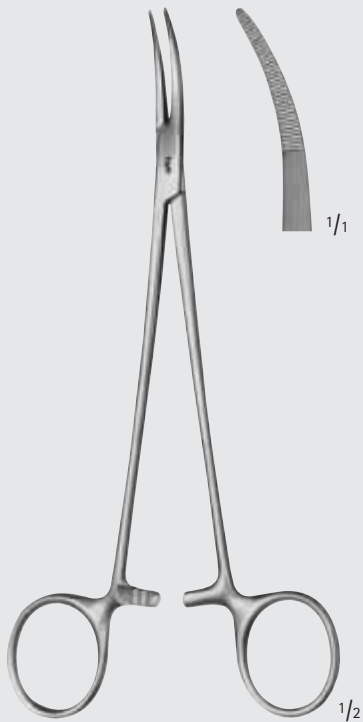
BABY-ADSON

BJ013R-BJ014R



MD569	MD570R
140 mm	180 mm
5 1/2"	7"

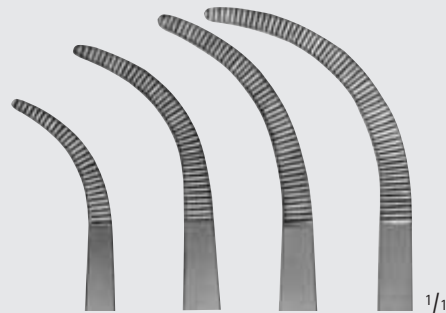
MD569-MD570R



NISSEN

BH199R

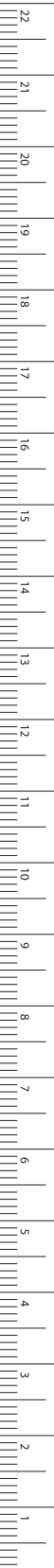
185 mm, 7 1/4"



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

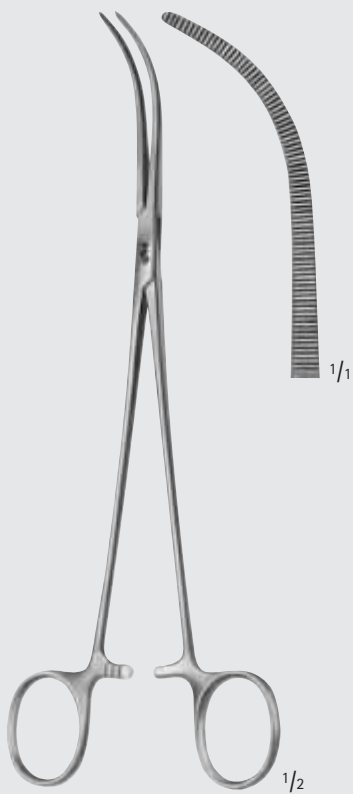
S-förmig gebogen, grazil  
S-shaped, delicate



MILLIMETERS

**Klemmen – Forceps**  
 Präparier- und Ligaturklemmen  
 Dissecting- and Ligature Forceps

**BJ**



**OVERHOLT-MIXTER**

**BJ019R**

205 mm, 8"

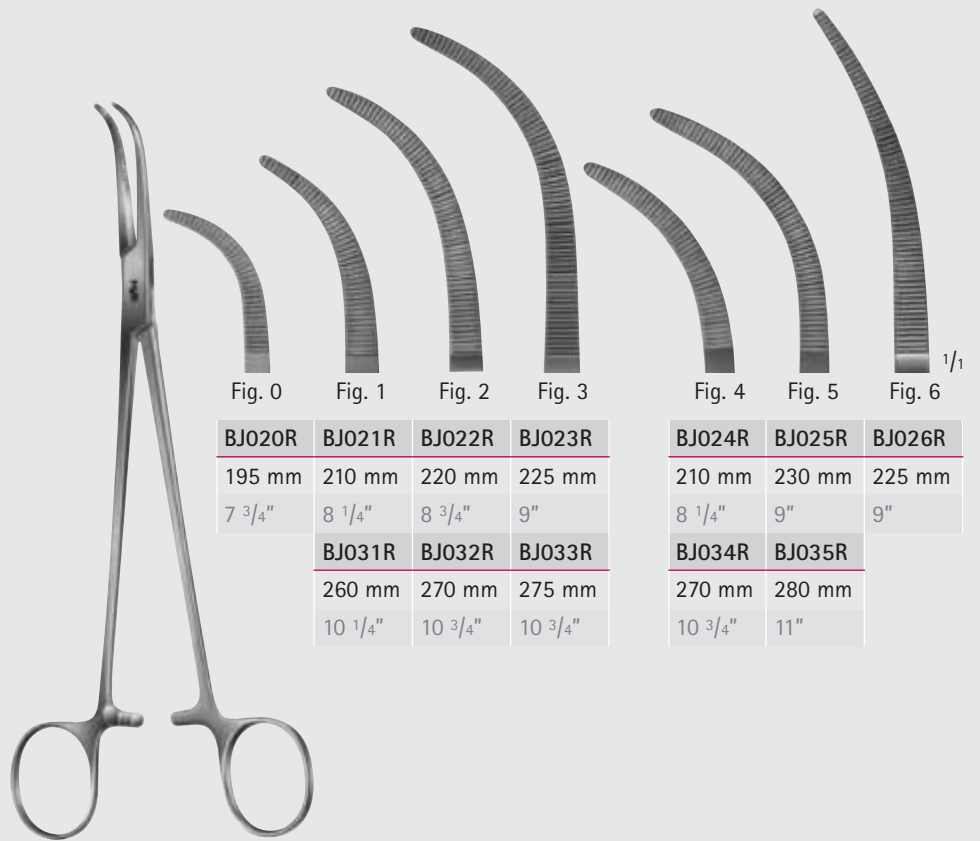


Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6
<b>BJ020R</b>	<b>BJ021R</b>	<b>BJ022R</b>	<b>BJ023R</b>	<b>BJ024R</b>	<b>BJ025R</b>	<b>BJ026R</b>
195 mm	210 mm	220 mm	225 mm	210 mm	230 mm	225 mm
7 3/4"	8 1/4"	8 3/4"	9"	8 1/4"	9"	9"
<b>BJ031R</b>	<b>BJ032R</b>	<b>BJ033R</b>		<b>BJ034R</b>	<b>BJ035R</b>	
260 mm	270 mm	275 mm		270 mm	280 mm	
10 1/4"	10 3/4"	10 3/4"		10 3/4"	11"	

**OVERHOLT-GEISSENDOERFER**

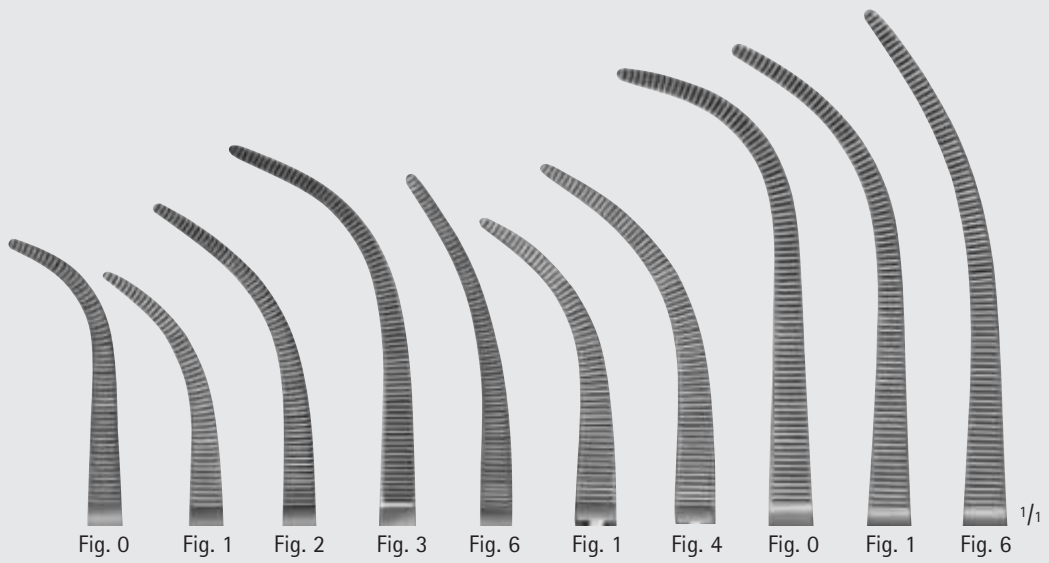
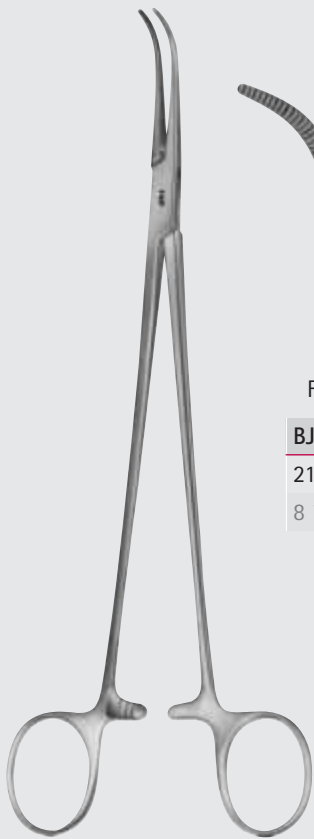
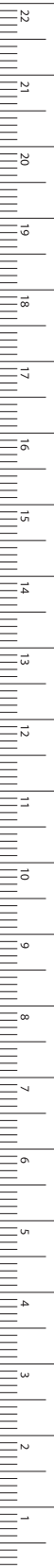
**BJ020R-BJ035R**





**Klemmen – Forceps**  
 Präparier- und Ligaturklemmen  
 Dissecting- and Ligature Forceps

**BJ**



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"

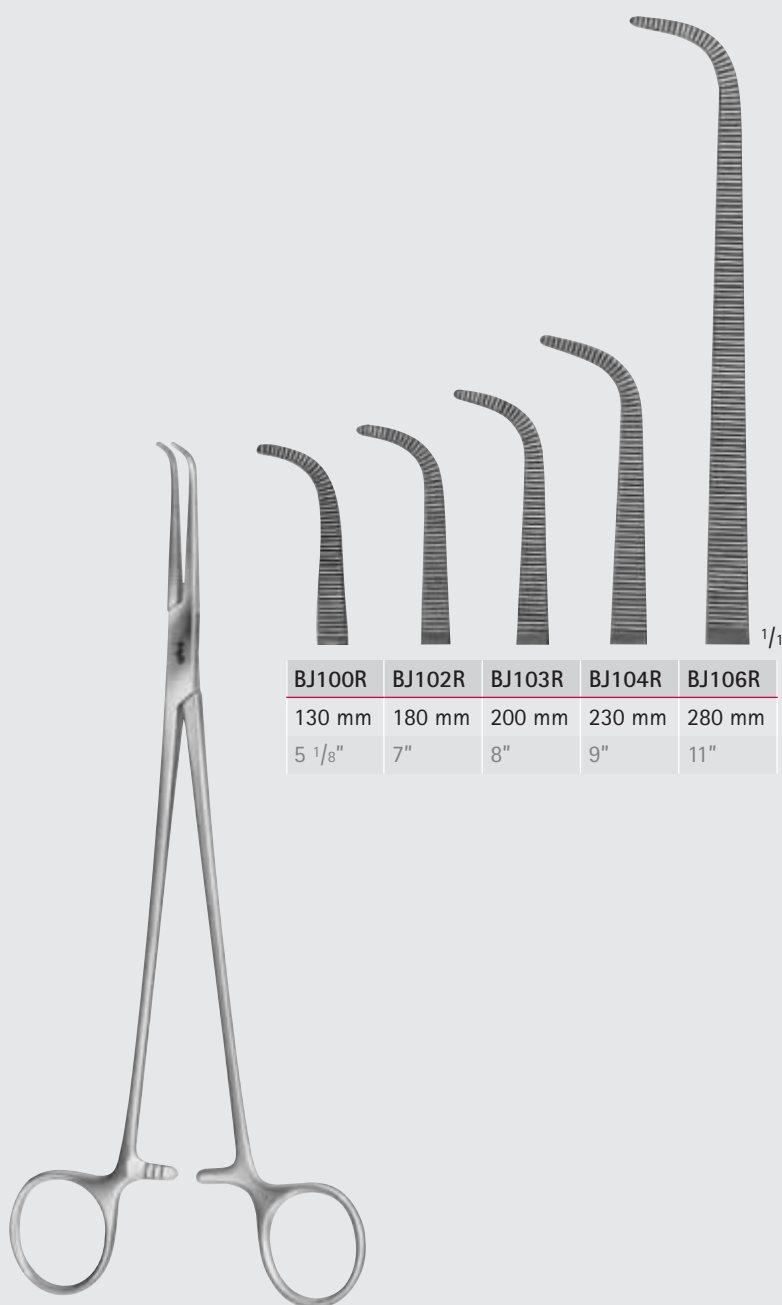
OVERHOLT

**BJ080R-BJ114R**

feine Ausführung  
 delicate pattern

**Klemmen – Forceps**  
 Präparier- und Ligaturklemmen  
 Dissecting- and Ligature Forceps

**BJ**



BJ100R	BJ102R	BJ103R	BJ104R	BJ106R
130 mm	180 mm	200 mm	230 mm	280 mm
5 1/8"	7"	8"	9"	11"

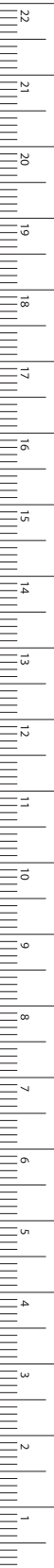
GEMINI

BJ100R-BJ106R



**Klemmen – Forceps**  
Präparier- und Ligaturklemmen  
Dissecting- and Ligature Forceps

**BJ**



MILLIMETERS



MIXTER-O'SHAUGNESSY

**BJ050R**

190 mm, 7 1/2"



O'SHAUGNESSY

**BJ067R**

220 mm, 8 3/4"

**Klemmen – Forceps**  
Präparier- und Ligaturklemmen  
Dissecting- and Ligature Forceps

**BJ**



HEISS

**BH209R**

195 mm, 7 3/4"



WIKSTROEM

**BJ051R**

205 mm, 8"



**Klemmen – Forceps**  
Präparier- und Ligaturklemmen  
Dissecting- and Ligature Forceps

**BJ**

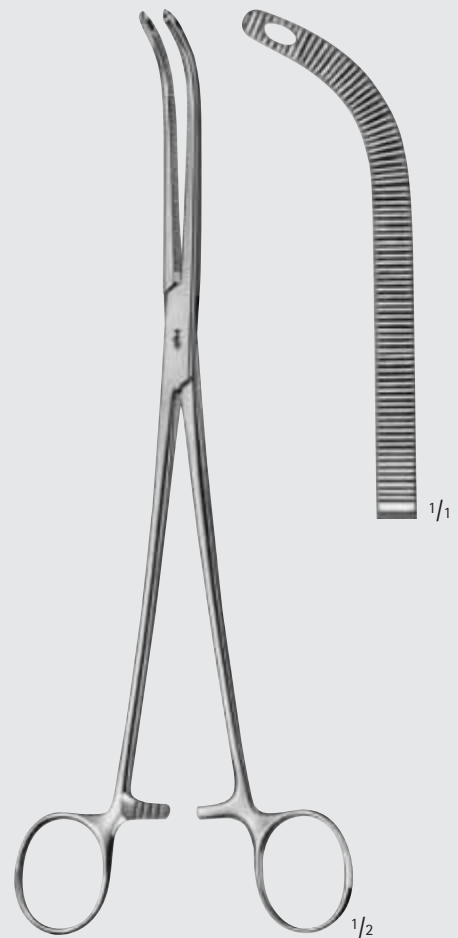


BJO41R BJO42R BJO43R BJO44R BJO45R

RUMEL

BJO41R-BJO45R

240 mm, 9 1/2"



FINOCHIETTO

BJ052R

245 mm, 9 3/4"



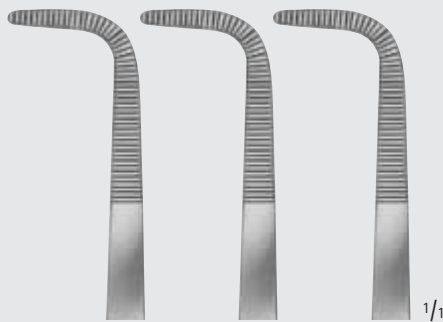
MILLIMETERS

## Klemmen – Forceps

Präparier- und Ligaturklemmen

Dissecting- and Ligature Forceps

BJ



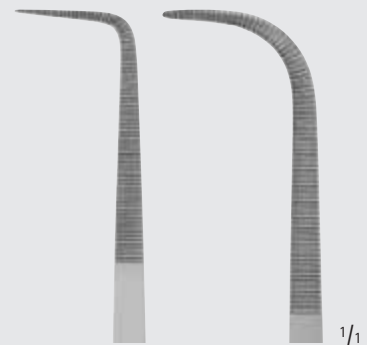
**BJ057R**  
200 mm  
8"

**BJ058R**  
240 mm  
9 1/2"

**BJ059R**  
275 mm  
10 3/4"

KANTROWITZ

**BJ057R-BJ059R**



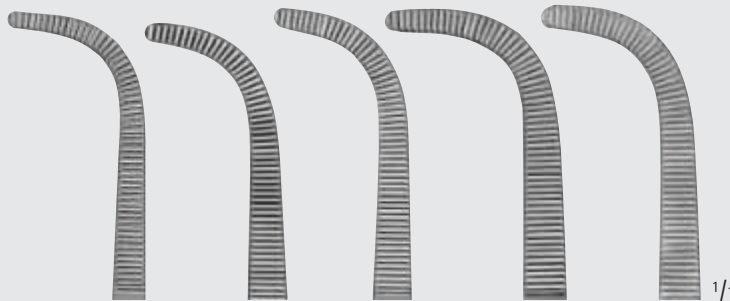
**BJ029R**  
extra fein  
extra delicate

**BJ110R**  
fein  
delicate

BARRE

**BJ029R-BJ110R**

280 mm, 11"



**BJ120R**  
150 mm  
6"

**BJ121R**  
180 mm  
7"

**BJ122R**  
200 mm  
8"

**BJ123R**  
230 mm  
9"

**BJ124R**  
255 mm  
10"

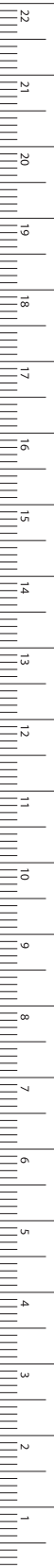
O'SHAUGHNESSY

**BJ120R-BJ124R**



**Klemmen – Forceps**  
Präparier- und Ligaturklemmen  
Dissecting- and Ligature Forceps

**BJ**



MILLIMETERS



MIXTER

**BJ055R**

230 mm, 9"



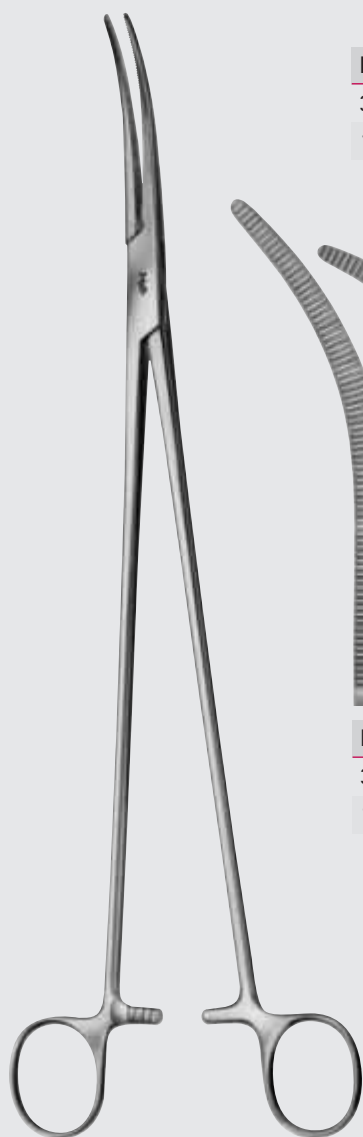
LAWRENCE

**BJ070R**

270 mm, 10 3/4"

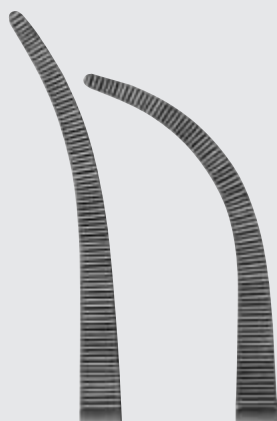
**Klemmen – Forceps**  
 Präparier- und Ligaturklemmen  
 Dissecting- and Ligature Forceps

**BJ**



ZENKER

**BJ047R-BJ132R**



**BJ047R**

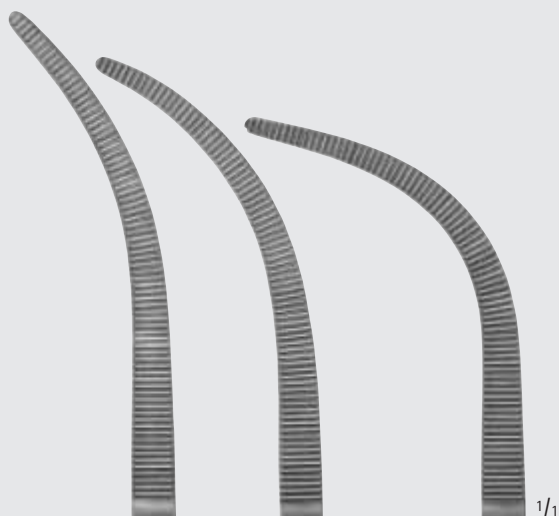
300 mm

12"

**BJ048R**

290 mm

11 1/2"



**BJ130R**

350 mm

14"

**BJ131R**

350 mm

14"

**BJ132R**

350 mm

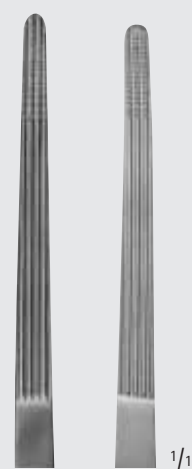
14"

1/1



KIEBACK

**BJ075R-BJ076R**



**BJ075R**

235 mm

9 1/4"

**BJ076R**

350 mm

14"

1/1

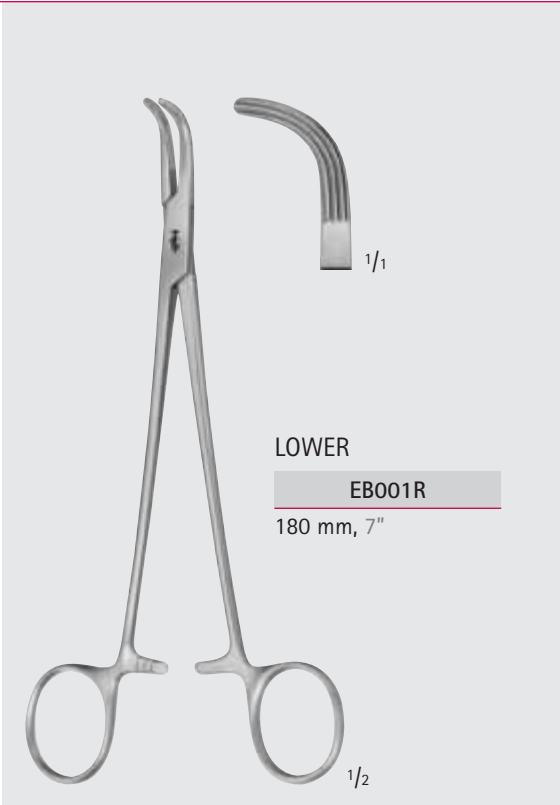
Ureter-Tunnelier-Klemme, aufgebogen  
 Ureteral tunnel clamp curved on flat



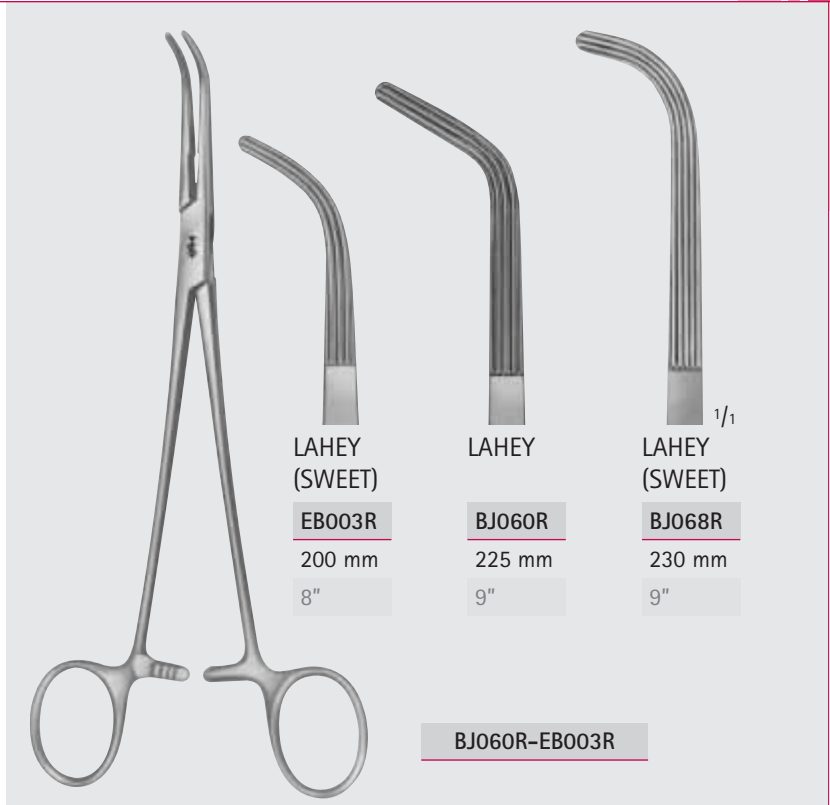


**Klemmen – Forceps**  
 Präparier- und Ligaturklemmen  
 Dissecting- and Ligature Forceps

**BJ**



LOWER  
**EB001R**  
 180 mm, 7"



LAHEY (SWEET)  
**EB003R**  
 200 mm  
 8"

LAHEY  
**BJO60R**  
 225 mm  
 9"

LAHEY (SWEET)  
**BJO68R**  
 230 mm  
 9"

**BJO60R-EB003R**



MIXTER  
**BJ061R-BJ073R**

**BJ061R**  
 220 mm  
 8 3/4"

**BJ062R**  
 250 mm  
 10"

**BJ073R**  
 290 mm  
 11 1/2"



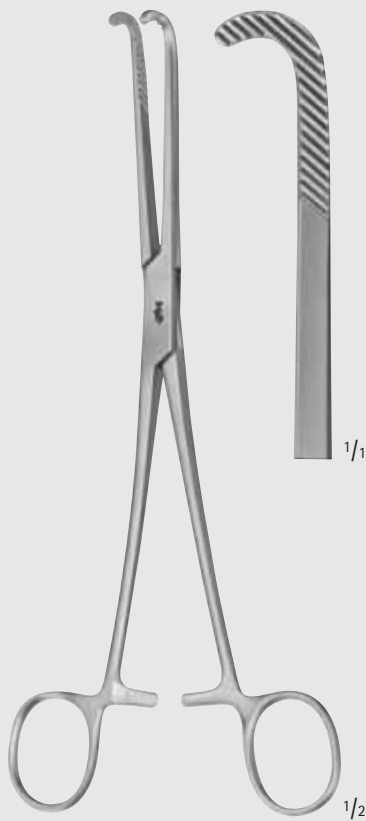
MILLIMETERS

**Klemmen – Forceps**  
 Präparier- und Ligaturklemmen  
 Dissecting- and Ligature Forceps

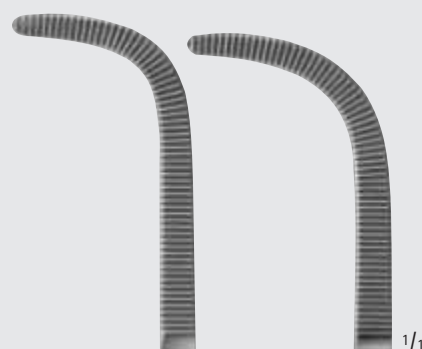
**BJ**



**DESJARDINS**  
**EB008R**  
 210 mm, 8 1/4"



**NISSEN**  
**EB009R**  
 215 mm, 8 1/2"



**EB011R**      **EB012R**

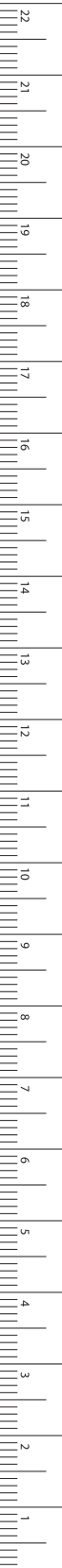


**GRAY**  
**EB011R-EB012R**  
 220 mm, 8 3/4"



**Klemmen – Forceps**  
 Peritoneumklemmen  
 Peritoneum Forceps

**BJ**



**BABY-MIKULICZ**

**BJ300R**

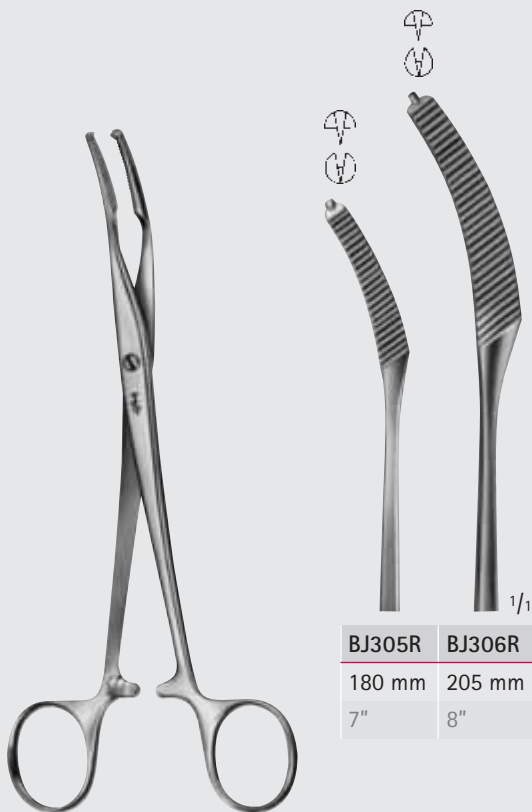
140 mm, 5 1/2"



**MIKULICZ**

**BJ304R**

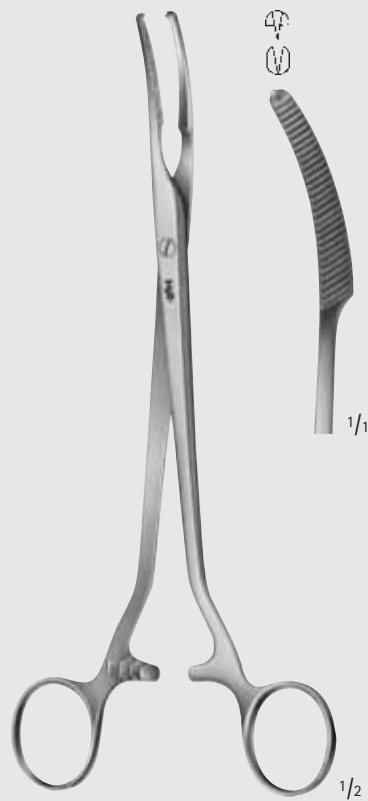
185 mm, 7 1/4"



**MIKULICZ**

**BJ305R-BJ306R**

BJ305R	BJ306R
180 mm	205 mm
7"	8"



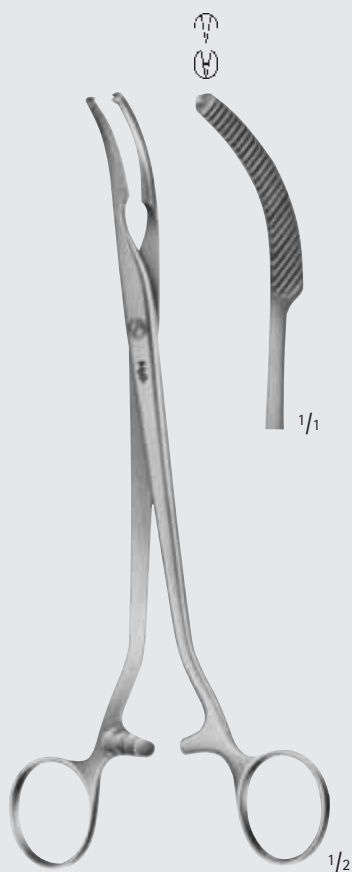
**MIKULICZ**

**BJ308R**

205 mm, 8"

**Klemmen – Forceps**  
Peritoneumklemmen  
Peritoneum Forceps

**BJ**



MIKULICZ

**BJ309R**

205 mm, 8"



MIKULICZ

**BJ310R**

200 mm, 8"



MIKULICZ

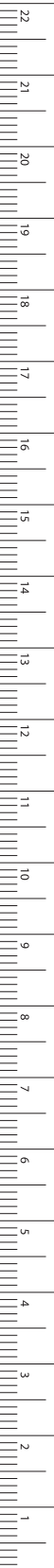
**BJ312R**

245 mm, 9 3/4"



**Klemmen – Forceps**  
Peritoneumklemmen  
Peritoneum Forceps

**BJ**



MILLIMETERS



MIKULICZ

**BJ313R**

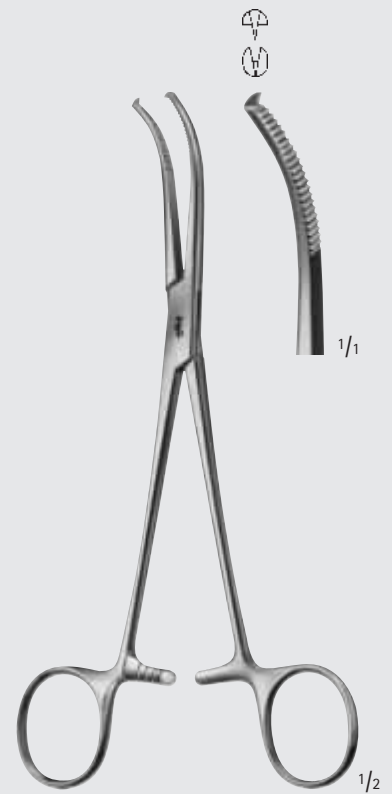
205 mm, 8"



MIKULICZ

**BJ314R**

205 mm, 8"



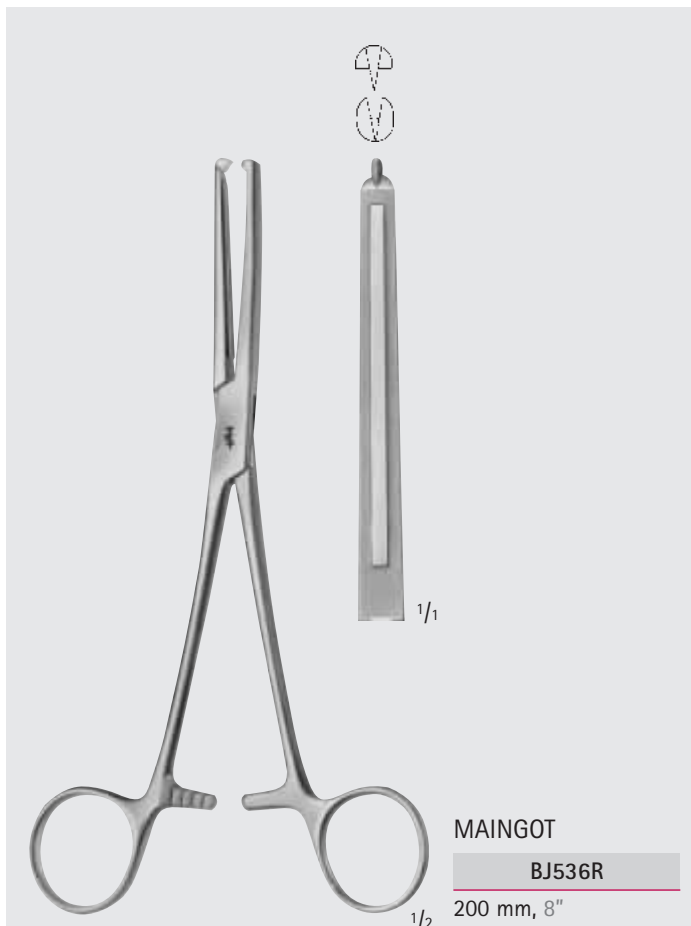
MIKULICZ

**BJ315R**

185 mm, 7 1/4"

**Klemmen – Forceps**  
 Hysterektomieklemmen  
 Hysterectomy Forceps

**BJ**





**Klemmen – Forceps**  
 Peritoneum- und Hysterektomieklemmen  
 Peritoneum and Hysterectomy Forceps

**BJ**



**BJ520R**  
 205 mm  
 8"

**BJ521R**  
 245 mm  
 9 3/4"

**BJ529R**  
 350 mm  
 14"

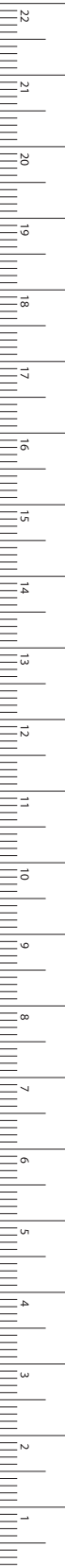
HEANEY MODIF.  
**BJ520R–BJ529R**



HEANEY  
**BJ522R**  
 195 mm, 7 3/4"



HEANEY-REZEK  
**BJ524R**  
 210 mm, 8 1/4"



**Klemmen – Forceps**  
 Hysterektomieklemmen  
 Hysterectomy Forceps

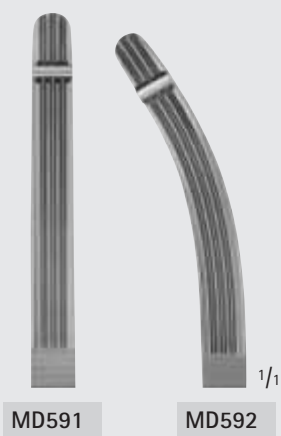
**BJ**



HEANEY-BALLENTINE

MD591-MD592

215 mm, 8 1/2"

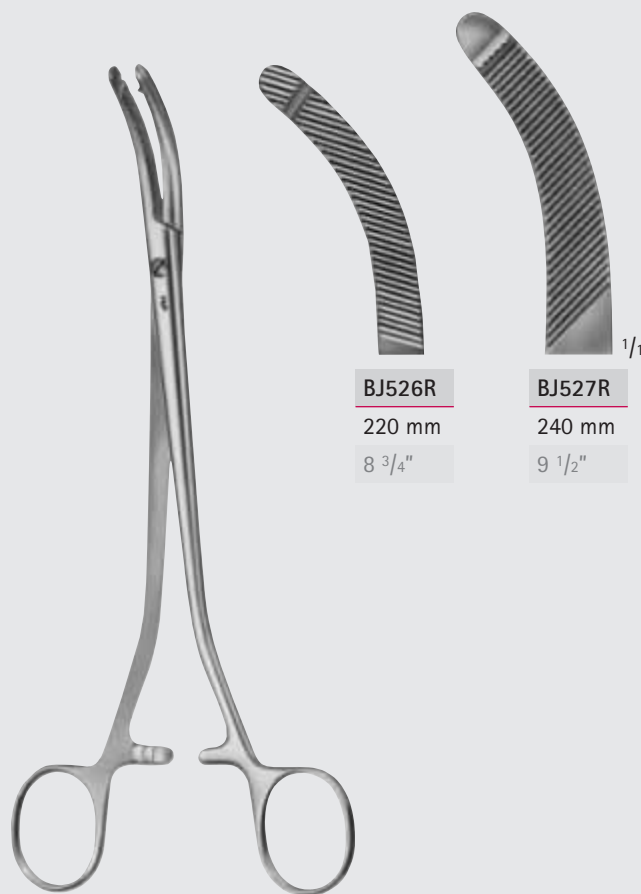


MD591

MD592

1/1

1/2



WIENER MODELL

BJ526R-BJ527R

BJ526R

220 mm

8 3/4"

BJ527R

240 mm

9 1/2"

1/1





**Klemmen – Forceps**  
Hysterektomie- und Arterienklemmen  
Hysterectomy- and Hemostatic Forceps

**BJ**



WERTHEIM

**BJ506R**

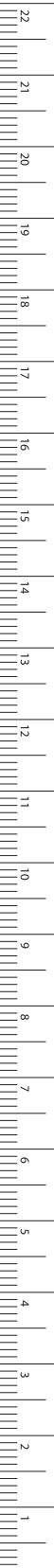
235 mm, 9 1/4"



WERTHEIM

**BJ507R**

235 mm, 9 1/4"



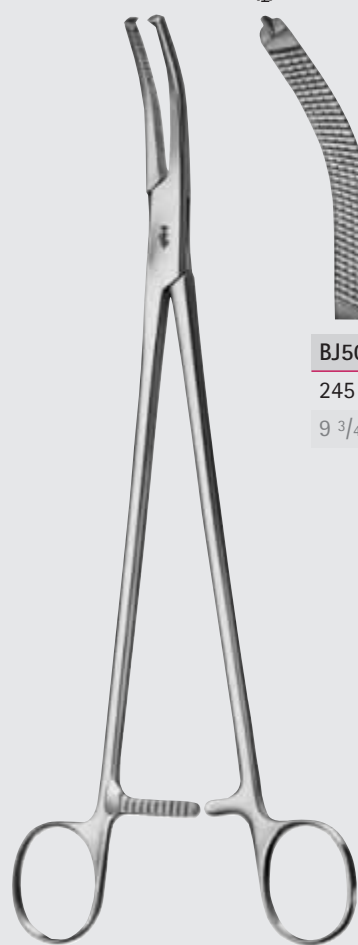
MILLIMETERS

## Klemmen – Forceps

Hysterektomie- und Arterienklemmen

Hysterectomy- and Hemostatic Forceps

BJ



WERTHEIM

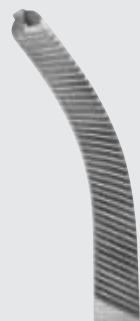
**BJ509R-BJ515R**



**BJ509R**

245 mm

9 3/4"



**BJ515R**

350 mm

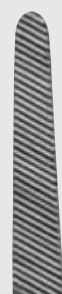
14"



SEGOND-LANDAU

**BJ540R**

240 mm, 9 1/2"



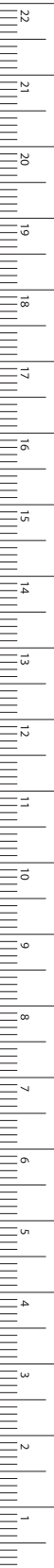
1/1

1/2



**Klemmen – Forceps**  
 Hysterektomie- und Arterienklemmen  
 Hysterectomy- and Hemostatic Forceps

**BJ**



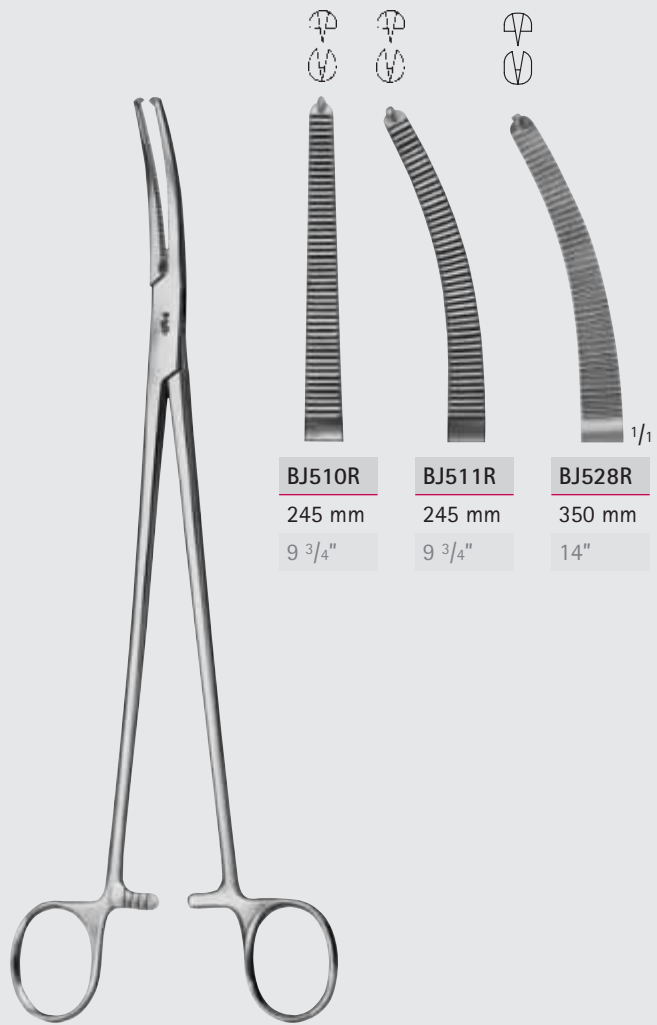
MILLIMETERS



SEGOND

**BJ541R**

240 mm, 9 1/2"



**BJ510R**

245 mm

9 3/4"

**BJ511R**

245 mm

9 3/4"

**BJ528R**

350 mm

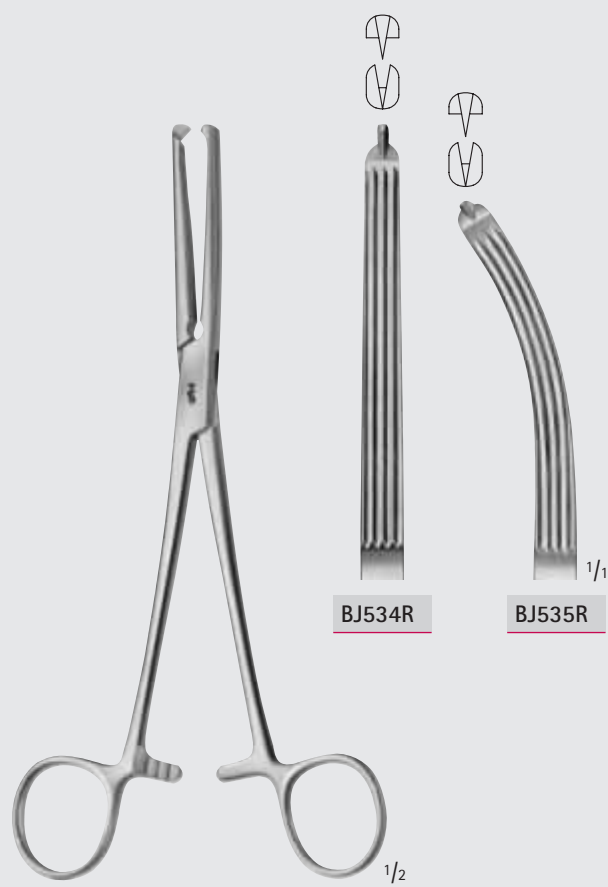
14"

HOLZBACH

**BJ510R-BJ528R**

**Klemmen – Forceps**  
 Hysterektomie- und Arterienklemmen  
 Hysterectomy- and Hemostatic Forceps

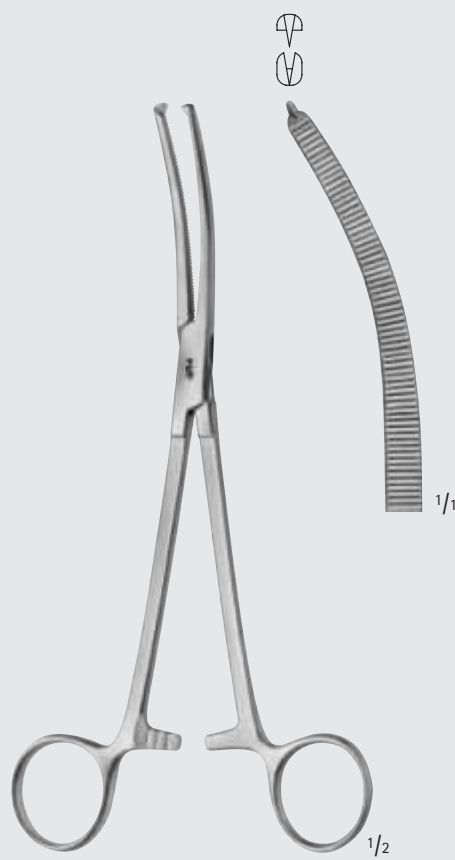
**BJ**



GWILLIAM

**BJ534R-BJ535R**

200 mm, 8"



BERKELEY-BONNEY

**BJ537R**

200 mm, 8"



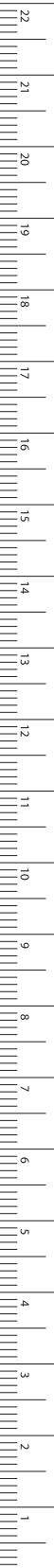
DE BAKEY Zahnung

Toothings DE BAKEY

**ARAUMATA®**

**Klemmen – Forceps**  
Hysterektomie- und Vaginalklemmen  
Hysterectomy Forceps and Vaginal Clamps

**BJ**



MILLIMETERS



HEANEY

**BJ530R-BJ532R**



**BJ530R**

225 mm

9"



**BJ531R**

220 mm

8 3/4"



**BJ532R**

215 mm

8 1/2"

1/1

**Klemmen – Forceps**  
 Hysterektomie- und Vaginalklemmen  
 Hysterectomy Forceps and Vaginal Clamps

DE BAKEY Zahnung

**TRAUMATA®**

Toothing DE BAKEY

**BJ**



WERTHEIM

BJ550R-BJ553R



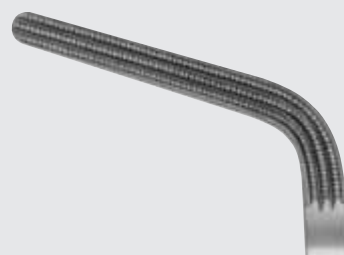
**BJ550R**  
 250 mm  
 10"



**BJ551R**  
 245 mm  
 9 3/4"



**BJ552R**  
 240 mm  
 9 1/2"



**BJ553R**  
 220 mm  
 8 3/4"

1/1



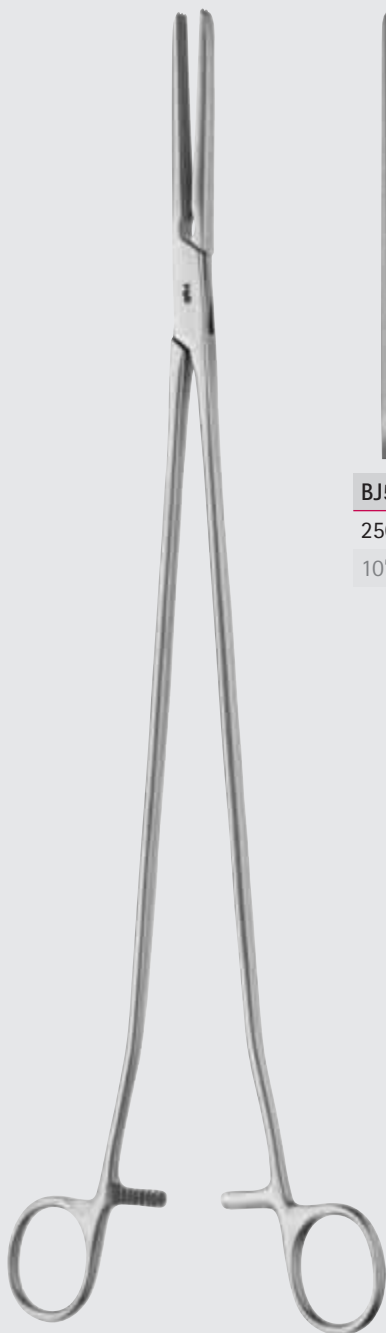
DE BAKEY Zahnung

Toothings DE BAKEY

**ARAUMATA**<sup>®</sup>

**Klemmen – Forceps**  
Hysterektomie- und Vaginalklemmen  
Hysterectomy Forceps and Vaginal Clamps

**BJ**



**BJ582R**  
250 mm  
10"



**BJ584R**  
350 mm  
14"

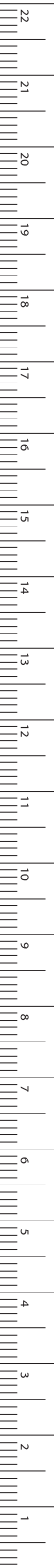


**BJ583R**  
250 mm  
10"



**BJ585R**  
350 mm  
14"

<sup>1/1</sup>



MILLIMETERS

WERTHEIM

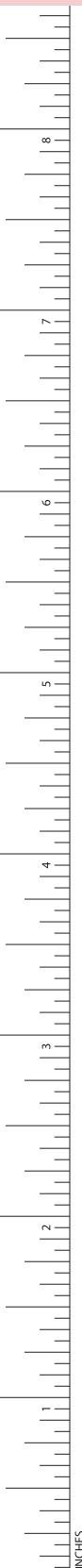
**BJ582R-BJ585R**

## Klemmen – Forceps

Hysterektomie- und Vaginalklemmen

Hysterectomy Forceps and Vaginal Clamps

BJ



WERTHEIM

BJ574R

255 mm, 10"



WERTHEIM

BJ576R

260 mm, 10 1/4"





## Klemmen – Forceps Hysterektomie- und Vaginalklemmen Hysterectomy Forceps and Vaginal Clamps

BJ



**BJ560R**  
250 mm  
10"

**BJ562R**  
350 mm  
14"

BURKE

**BJ560R-BJ562R**

Parametriumklemme, kurzes Maul  
Parametrium clamp, short jaw part



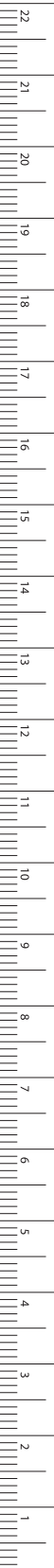
**BJ561R**  
250 mm  
10"

**BJ563R**  
350 mm  
14"

BURKE

**BJ561R-BJ563R**

Parametriumklemme, langes Maul  
Parametrium clamp, long jaw part



MILLIMETERS

# Klemmen – Forceps

Klemmzangen

Clamps and Compression Forceps

DE BAKEY Zahnung

AIRAUMATA®

Toothing DE BAKEY

BJ



**FB956R**  
255 mm  
10"

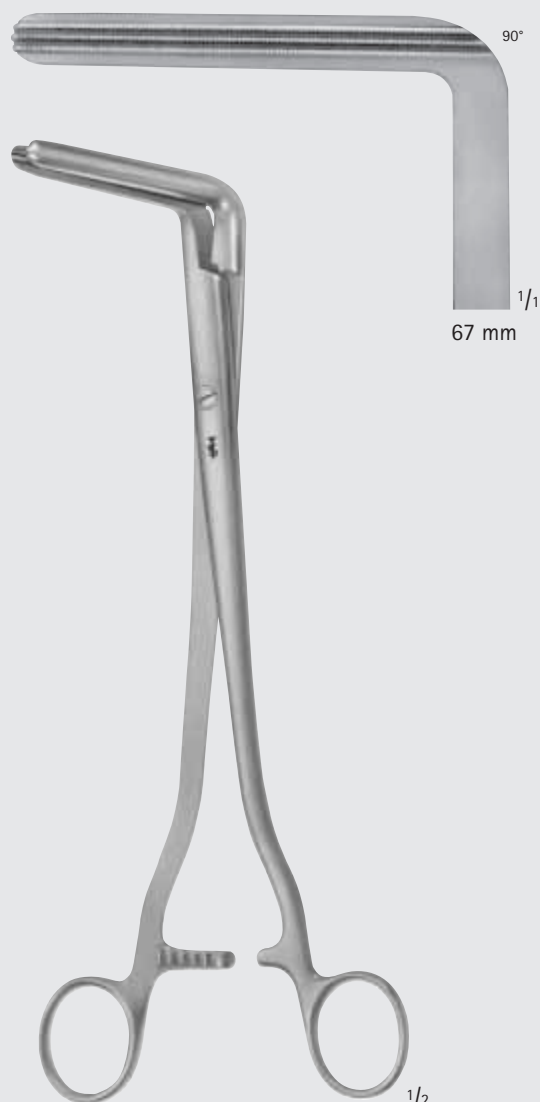
**FB957R**  
265 mm  
10 1/2"

**FB958R**  
275 mm  
10 3/4"

1/1

DICK

**FB956R-FB958R**



90°  
67 mm  
1/1

WERTHEIM

**BJ581R**

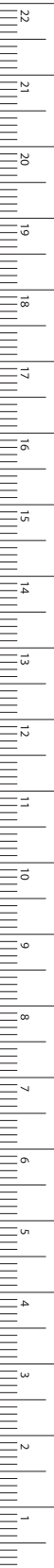
250 mm, 10"

1/2



**Klemmen – Forceps**  
 Klemmzangen  
 Clamps and Compression Forceps

**BJ**



MILLIMETERS



WERTHEIM-CULLEN

**BJ579R**

215 mm, 8 1/2"

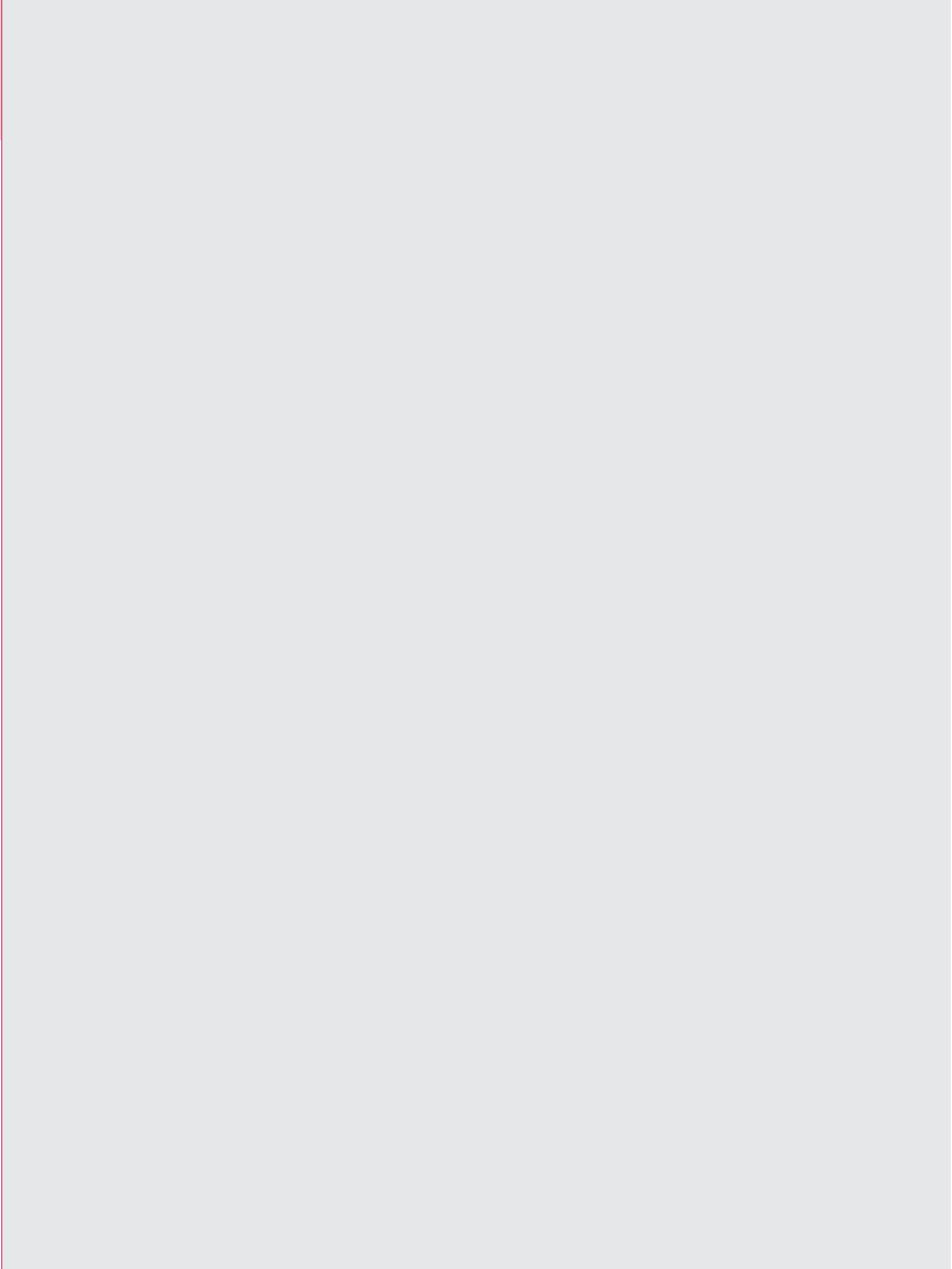


**FB954R**  
60 mm

**FB955R**  
80 mm


**FB954R-FB955R**

230 mm, 9"





BL



Nähnadeln, Nadeldosen  
Surgical Needles, Needle Cases





# Nähnadeln, Nähösen – Surgical Needles, Needle Cases

## Chirurgische Nähnadeln

### Surgical Needles

Nähnadeln

Bestelleinheit: PAK = Packung à 12 Stück

Suture needles

Sales unit: Package of 12 pieces

BL

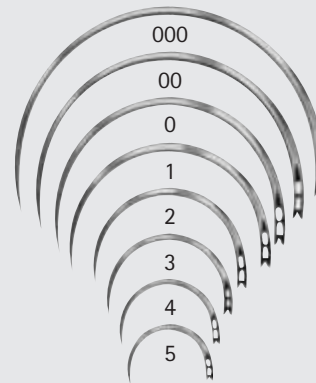
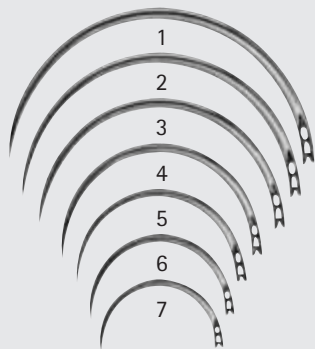



Fig.		Ø x Länge Diam. x length		Ø x Länge Diam. x length
000				
00				
0				
1	<a href="#">BL231N</a>	1,60 x 65 mm	<a href="#">BL251N</a>	1,60 x 65 mm
2	<a href="#">BL232N</a>	1,60 x 60 mm	<a href="#">BL252N</a>	1,60 x 60 mm
3	<a href="#">BL233N</a>	1,40 x 52 mm	<a href="#">BL253N</a>	1,40 x 52 mm
4	<a href="#">BL234N</a>	1,40 x 45 mm	<a href="#">BL254N</a>	1,40 x 45 mm
5	<a href="#">BL235N</a>	1,30 x 37 mm	<a href="#">BL255N</a>	1,30 x 37 mm
6	<a href="#">BL236N</a>	1,10 x 32 mm	<a href="#">BL256N</a>	1,10 x 32 mm
7	<a href="#">BL237N</a>	1,00 x 26 mm	<a href="#">BL257N</a>	1,00 x 26 mm

Fig.		Ø x Länge Diam. x length
<a href="#">BL318N</a>		1,10 x 72 mm
<a href="#">BL319N</a>		1,10 x 63 mm
<a href="#">BL320N</a>		1,00 x 54 mm
<a href="#">BL321N</a>		1,00 x 45 mm
<a href="#">BL322N</a>		0,90 x 36 mm
<a href="#">BL323N</a>		0,80 x 29 mm
<a href="#">BL324N</a>		0,70 x 23 mm
<a href="#">BL325N</a>		0,60 x 20 mm

Fig.		Ø x Länge Diam. x length
1	<a href="#">BL301N</a>	0,80 x 75 mm
2	<a href="#">BL302N</a>	0,80 x 70 mm
3	<a href="#">BL303N</a>	0,80 x 65 mm
5	<a href="#">BL305N</a>	0,70 x 55 mm



MILLIMETERS

# Nähnadeln, Nähösen – Surgical Needles, Needle Cases

## Chirurgische Nadeln und Nähmaterial

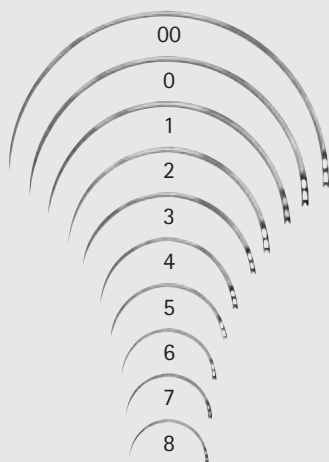
### Surgical Needles and Suture Material

#### Nähnadeln

Bestelleinheit: PAK = Packung à 12 Stück


Suture needles

Sales unit: Package of 12 pieces



#### Darmnadeln

Intestinal needles

Fig.		Ø x Länge Diam. x length
00	<a href="#">BL539N</a>	0,70 x 68 mm
0	<a href="#">BL540N</a>	0,70 x 60 mm
1	<a href="#">BL541N</a>	0,70 x 52 mm
2	<a href="#">BL542N</a>	0,70 x 42 mm
3	<a href="#">BL543N</a>	0,60 x 36 mm
4	<a href="#">BL544N</a>	0,60 x 30 mm
5	<a href="#">BL545N</a>	0,60 x 24 mm
6	<a href="#">BL546N</a>	0,60 x 22 mm
7	<a href="#">BL547N</a>	0,60 x 20 mm
8	<a href="#">BL548N</a>	0,60 x 18 mm



#### Augennadeln


Eye needles

	Ø x Länge Diam. x length
<a href="#">BL601N</a>	0,60 x 30 mm
<a href="#">BL602N</a>	0,60 x 24 mm
<a href="#">BL603N</a>	0,60 x 20 mm
<a href="#">BL604N</a>	0,60 x 15 mm
<a href="#">BL605N</a>	0,60 x 12 mm

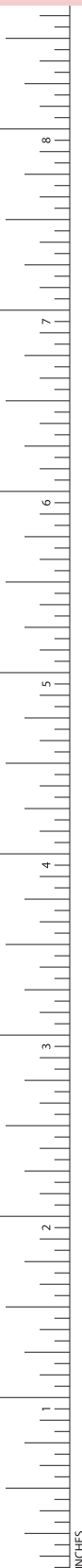


#### Augennadeln

Eye needles

	Durchmesser x Länge
<a href="#">BL611N</a>	0,60 x 30 mm
<a href="#">BL612N</a>	0,60 x 24 mm
<a href="#">BL613N</a>	0,60 x 19 mm
<a href="#">BL614N</a>	0,60 x 15 mm
<a href="#">BL615N</a>	0,60 x 12 mm

BL







## Nähnadeln, Nähdosens – Surgical Needles, Needle Cases

Nadeldosen  
Needle Cases

BL



**BL907R**

70 x 53 x 9 mm



**BL941R**

150 x 90 x 10 mm



**BL910R** 50 x 25 x 5 mm

**BL911R** 50 x 30 x 6 mm

**BL915R** 75 x 25 x 5 mm



**BL943R**

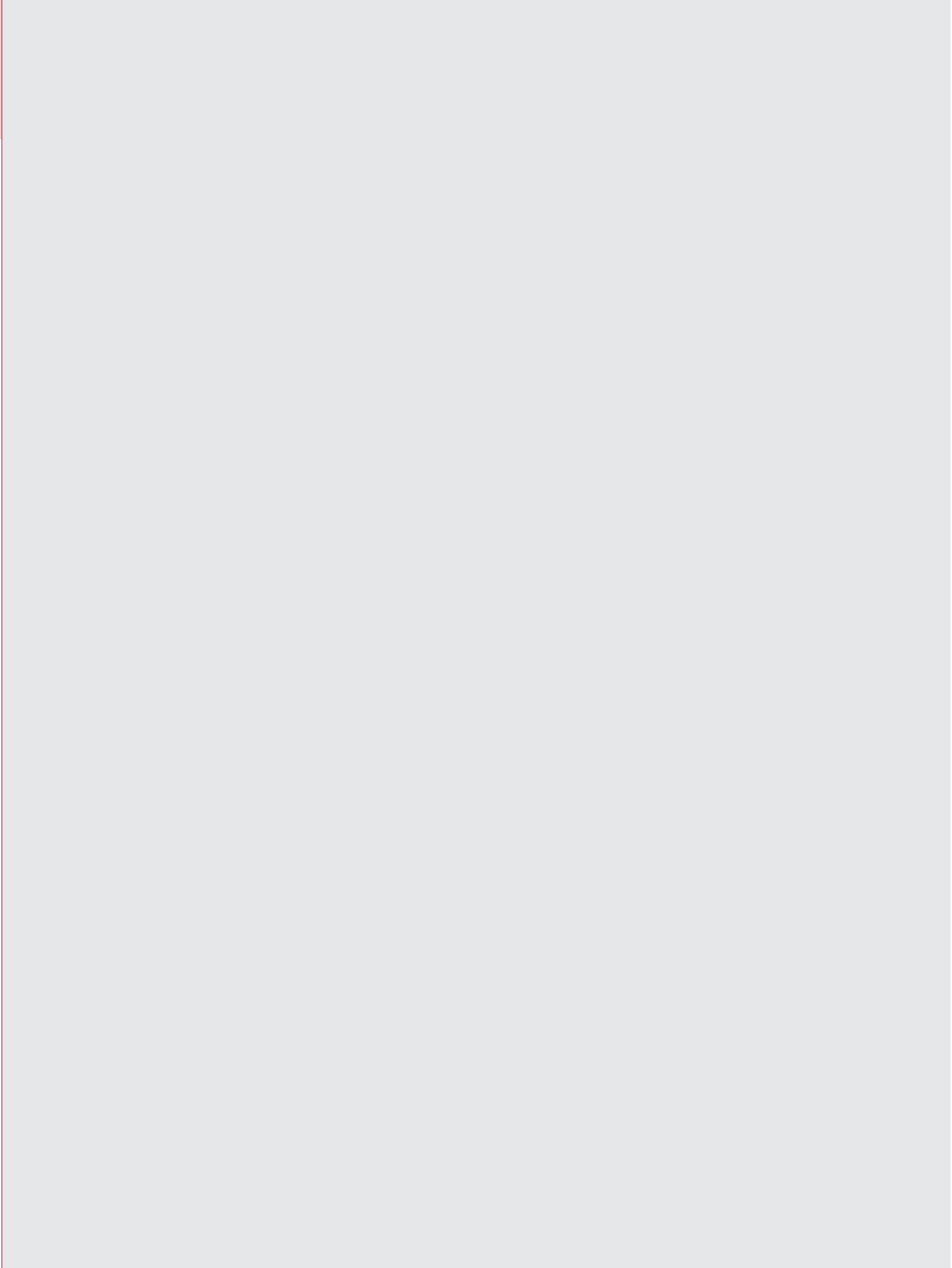
205 x 120 x 12 mm



<b>BL930R</b>	Nadeldose mit Innendose	Needle case with interior box	65 x 16 mm
<b>BL932R</b>	Nadeldose mit Innendose	Needle case with interior box	95 x 16 mm
<b>BL929R</b>	Außendose von BL930R allein	Exterior box of BL930R only	65 x 16 mm
<b>BL931R</b>	Innendose von BL930R allein	Interior box of BL930R only	62 x 17 mm
<b>BL933R</b>	Innendose von BL932R allein	Interior box of BL932R only	90 x 17 mm



MILLIMETERS



BM



Nadelhalter, Naht-Instrumente,  
Unterbindungsnadeln und Hohlsonden  
Needle Holders, Suture Instruments,  
Ligature Needles, Guiding Probes

## Nadelhalter – Needle Holders

Mikro-Nadelhalter mit Flachgriff

Micro Needle Holders with Flat Handles

BM



BM563R



BM564R

1/2

CASTROVIEJO

BM563R-BM564R

mit Sperre  
with catch

145 mm, 5 3/4"



FD076R



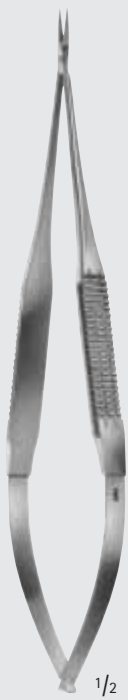
FD079R

1/2

FD076R-FD079R

ohne Sperre  
without catch

160 mm, 6 1/4"



FD080R



FD081R

1/2

FD080R-FD081R

ohne Sperre  
without catch

185 mm, 7 1/4"



FD045R



FD046R

ohne Sperre  
without catch

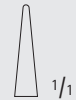
mit Sperre  
with catch

1/2

JACOBSON

FD045R-FD046R

185 mm, 7 1/4"



1/1

1/2

FD048R

mit Sperre  
with catch

200 mm, 8"

INCHES

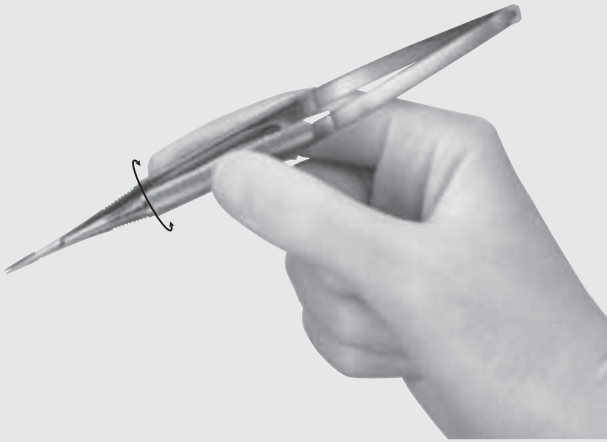


## Nadelhalter – Needle Holders

### Mikro-Nadelhalter mit Rundgriffen

### Micro Needle Holders with Round Handles

BM

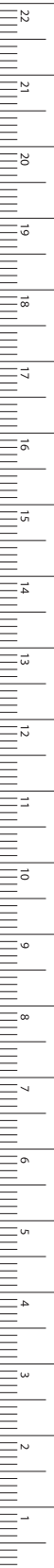


#### ... mit Rundgriffen

- Rundgriffe erlauben Drehbewegungen zwischen den Fingern.
- Optimale Balance, individuell je nach Instrument, durch volle oder gehöhlte Griffpartien.

#### ... with round handles

- Round handles allow turning manipulations between the fingers.
- Optimum balance individually for each instrument due to solid or hollowed-out handles.



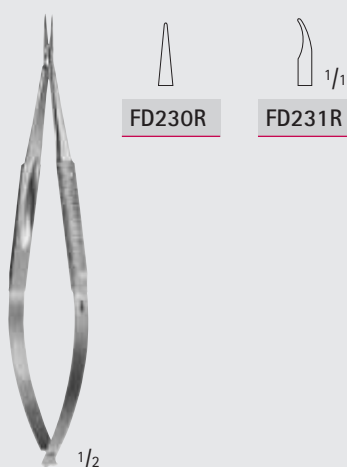
MILLIMETERS



BARRAQUER

**BM560R-BM562R**

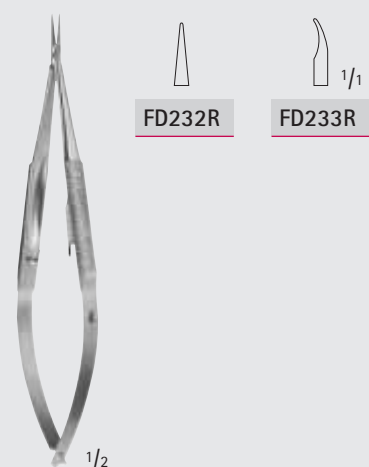
ohne Sperre  
without catch



BARRAQUER

**FD230R-FD231R**

ohne Sperre  
without catch  
120 mm, 4 3/4"



BARRAQUER

**FD232R-FD233R**

mit Sperre  
with catch  
120 mm, 4 3/4"

## Nadelhalter – Needle Holders

### Mikro-Nadelhalter mit Rundgriffen

### Micro Needle Holders with Round Handles

BM



FD240R

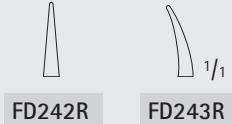
FD241R

1/2

REILL

FD240R-FD241R

ohne Sperre  
without catch  
150 mm, 6"



FD242R

FD243R

1/2

FD242R-FD243R

mit Sperre  
with catch  
150 mm, 6"



FD244R

FD245R

1/2

FD244R-FD245R

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



FD246R

FD247R

1/2

FD246R-FD247R

mit Sperre  
with catch  
185 mm, 7 1/4"

## Nadelhalter – Needle Holders

Mikro-Nadelhalter mit leichtem Kunststoffgriffprofil  
Micro Needle Holders with Lightweight Plastic Handles



### Das MÜLLER Mikro-Instrumentarium

Ein hochwertiges Set für die periphere Mikrochirurgie. Zahlreiche praxisbewährte Details führen zu mehr Effektivität und Sicherheit.

#### ■ Unverkrampte Haltung = mehr Feingefühl

Das leichte Kunststoffprofil vergrößert die Griffoberfläche, gewährleistet dadurch eine unverkrampte 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 zuermüdungsfreiem Arbeiten und optimalem Handling.

### 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.



MÜLLER

FM021R

145 mm, 5 3/4"



MÜLLER

FM061R

180 mm, 7"

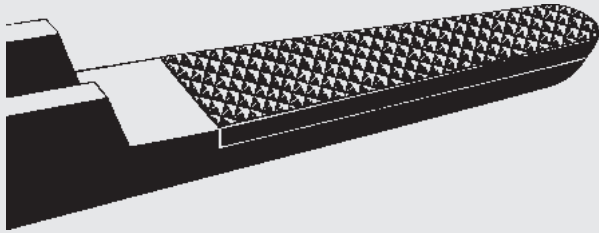
## Nadelhalter – Needle Holders

### DUROGRIP® Mikro-Nadelhalter

### DUROGRIP® Micro Needle Holders



BM



glatt  
smooth



0,2



0,4



0,5

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.

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 sure „grip“ of the resp. needle.

Wir empfehlen Hartmetall-Maulteile mit glatter Fläche für Nahtmaterial mit Teilung 0,2 mm für Nahtmaterial 0,4 mm 0,5 mm

9/0 – 11/0  
6/0 – 10/0  
4/0 – 6/0  
bis 3/0

We recommend carbide inserts with smooth jaw surface for suture material with 0.2 mm pitch of serration for suture material 0.4 mm 0.5 mm

9/0 – 11/0  
6/0 – 10/0  
4/0 – 6/0  
up to 3/0



**DUROGRIP®-Nadelhalter mit Hartmetall-Plättchen**  
**Kennzeichnung:**

**Vergoldete Ringe, Branchenenden und Sperren**

**DUROGRIP® Needle Holders with carbide inserts**

**Identification:**

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



1/1  
mit glattem Maul  
with smooth jaw

1/2

CASTROVIEJO

BM001R

145 mm, 5 3/4"



1/1  
0,2

1/2

CASTROVIEJO

BM002R

145 mm, 5 3/4"



1/1  
0,4

1/2

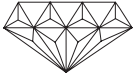
BM003R

170 mm, 6 3/4"

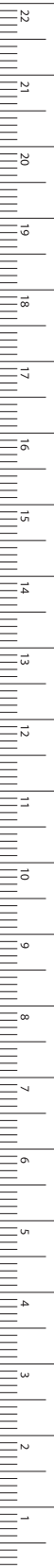




**Nadelhalter – Needle Holders**  
DUROGRIP Mikro-Nadelhalter  
DUROGRIP Micro Needle Holders



**BM**



MILLIMETERS



**CASTROVIEJO**

**BM004R**

180 mm, 7"



**CASTROVIEJO**

**BM005R**

215 mm, 8 1/2"



**FM388R**

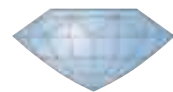
mit Sperre  
with catch  
180 mm, 7"



**FM390R**

mit Sperre  
with catch  
200 mm, 8"

DIADUST



## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter mit Rundgriff

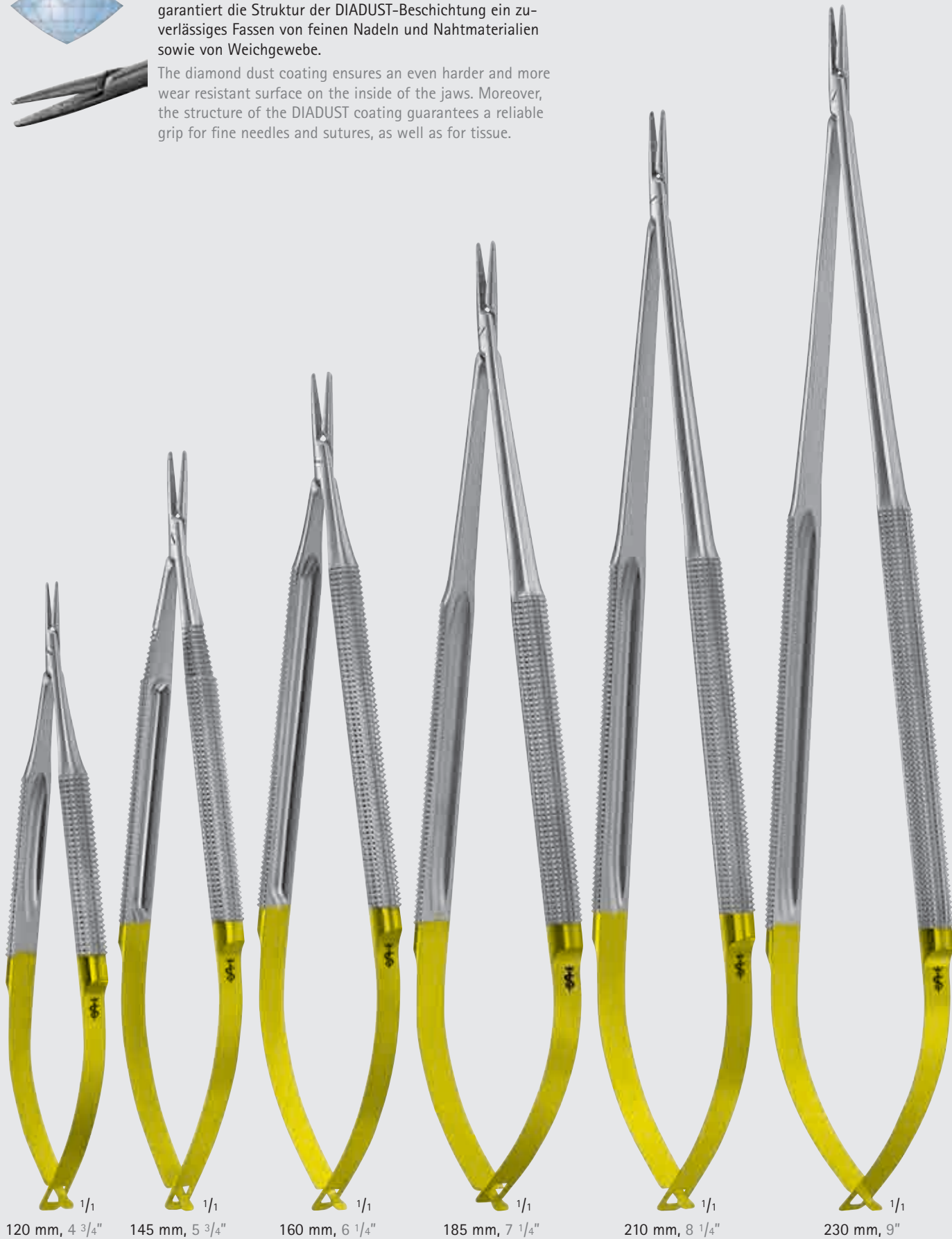
DIADUST Micro Needle Holders with Round Handle

DIADUST



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

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



120 mm, 4 3/4" 1/1

145 mm, 5 3/4" 1/1

160 mm, 6 1/4" 1/1

185 mm, 7 1/4" 1/1

210 mm, 8 1/4" 1/1

230 mm, 9" 1/1

BM



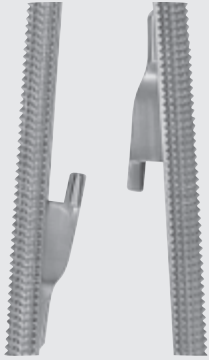
DIADUST



## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter mit Rundgriff  
DIADUST Micro Needle Holders with Round Handle

BM

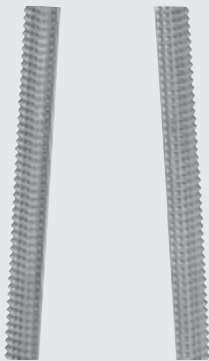


mit Sperre  
with ratchet



Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller	4/0 und kleiner 4/0 and smaller	4/0 und kleiner 4/0 and smaller
120 mm 4 3/4"	<a href="#">FM520R</a>			
145 mm 5 3/4"		<a href="#">FM522R</a>		
160 mm 6 1/4"	<a href="#">FM521R</a>	<a href="#">FM523R</a>		
185 mm 7 1/4"	<a href="#">FM563R</a>	<a href="#">FM564R</a>	<a href="#">FM218R</a>	
210 mm 8 1/4"	<a href="#">FM565R</a>	<a href="#">FM566R</a>	<a href="#">FM228R</a>	<a href="#">FM221R</a>
230 mm 9"	<a href="#">FM567R</a>	<a href="#">FM568R</a>	<a href="#">FM230R</a>	<a href="#">FM223R</a>



ohne Sperre  
without  
ratchet



Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller
120 mm 4 3/4"	<a href="#">FM524R</a>	
145 mm 5 3/4"		<a href="#">FM528R</a>
160 mm 6 1/4"	<a href="#">FM525R</a>	<a href="#">FM529R</a>
185 mm 7 1/4"	<a href="#">FM526R</a>	<a href="#">FM530R</a>
210 mm 8 1/4"	<a href="#">FM527R</a>	<a href="#">FM531R</a>
230 mm 9"	<a href="#">FM532R</a>	<a href="#">FM533R</a>



MILLIMETERS

## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter mit Rundgriff

DIADUST Micro Needle Holders with Round Handle

DIADUST



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

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



190 mm, 7 1/2"

230 mm, 9"

250 mm, 10"

BM

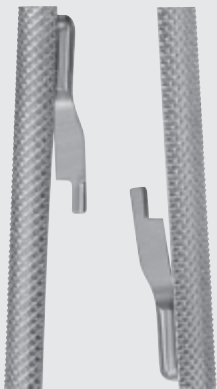




DIADUST



## Nadelhalter – Needle Holders DIADUST Mikro-Nadelhalter mit Rundgriff DIADUST Micro Needle Holders with Round Handle



mit Sperre,  
kräftige  
Ausführung  
with ratchet,  
heavy style



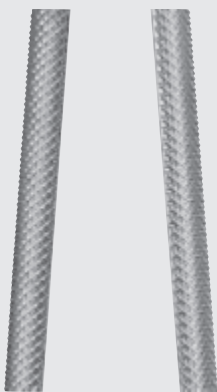
Nahtmaterialgröße  
Suture size

Länge (mm)      2/0 und kleiner  
Length (in.)      2/0 and smaller

190 mm            **FM538R**  
7 1/2"

230 mm            **FM539R**  
9"

250 mm            **FM534R**  
10"



ohne Sperre,  
kräftige  
Ausführung  
without  
ratchet,  
heavy style



Nahtmaterialgröße  
Suture size

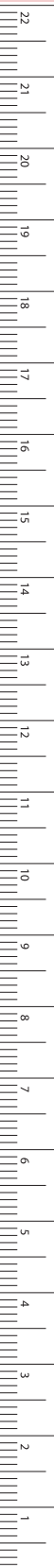
Länge (mm)      2/0 und kleiner  
Length (in.)      2/0 and smaller

190 mm            **FM535R**  
7 1/2"

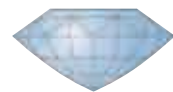
230 mm            **FM536R**  
9"

250 mm            **FM537R**  
10"

BM



MILLIMETERS



## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter mit Flachgriff

DIADUST Micro Needle Holders with Flat Handles

DIADUST



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

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



145 mm, 5 <sup>3</sup>/<sub>4</sub>"

170 mm, 6 <sup>3</sup>/<sub>4</sub>"

185 mm, 7 <sup>1</sup>/<sub>4</sub>"

210 mm, 8 <sup>1</sup>/<sub>4</sub>"

230 mm, 9"



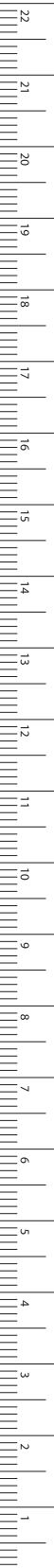
DIADUST



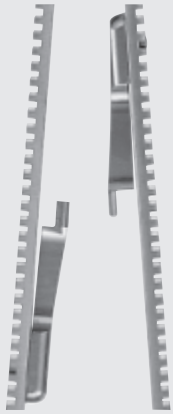
## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter mit Flachgriff  
DIADUST Micro Needle Holders with Flat Handles

BM



MILLIMETERS

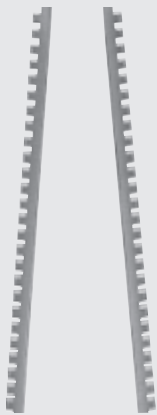


mit Sperre  
with ratchet



Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller
145 mm 5 3/4"		<u>FM541R</u>
170 mm 6 3/4"	<u>FM540R</u>	
185 mm 7 1/4"		<u>FM542R</u>
210 mm 8 1/4"		<u>FM543R</u>
230 mm 9"		<u>FM544R</u>



ohne Sperre  
without  
ratchet

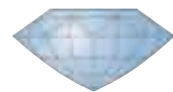


Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller
145 mm 5 3/4"		<u>FM546R</u>
170 mm 6 3/4"	<u>FM545R</u>	
185 mm 7 1/4"		<u>FM547R</u>
210 mm 8 1/4"		<u>FM548R</u>
230 mm 9"		<u>FM549R</u>



DIADUST



## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter mit Flachgriff

DIADUST Micro Needle Holder with Flat Knurled Handle

DIADUST



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

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



185 mm, 7 1/4"

210 mm, 8 1/4"

230 mm, 9"

BM





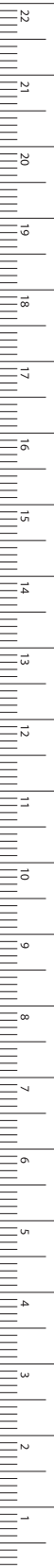


DIADUST

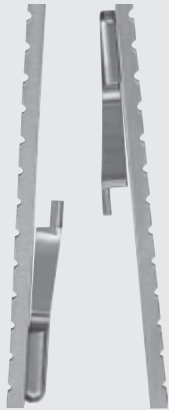


## Nadelhalter – Needle Holders DIADUST Mikro-Nadelhalter mit Flachgriff DIADUST Micro Needle Holders with Flat Knurled Handle

BM



MILLIMETERS



mit Sperre  
with ratchet



Nahtmaterialgröße  
Suture size

Länge (mm)  
Length (in.)

185 mm  
7 1/4" [FM550R](#)

210 mm  
8 1/4" [FM551R](#)

230 mm  
9" [FM552R](#)



ohne Sperre  
without  
ratchet



Nahtmaterialgröße  
Suture size

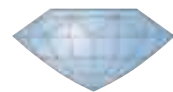
Länge (mm)  
Length (in.)

185 mm  
7 1/4" [FM553R](#)

210 mm  
8 1/4" [FM554R](#)

230 mm  
9" [FM555R](#)

DIADUST



## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter

DIADUST Micro Needle Holders

DIADUST



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

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



GLASSER

FM560R

Nahtmaterialgröße: 5/0 und kleiner  
Suture size: 5/0 and smaller  
125 mm, 5"



GLASSER

FM561R

Nahtmaterialgröße: 5/0 und kleiner  
Suture size: 5/0 and smaller  
180 mm, 7"

BM





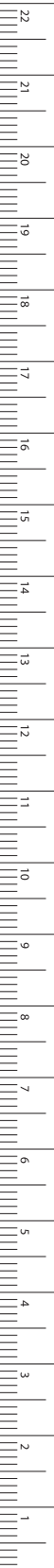
DIADUST



# Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter  
DIADUST Micro Needle Holders

BM



MILLIMETERS



FD258R

FD259R

1/2

FD258R-FD259R

180 mm, 7"



1/1

1/2

FM236R

mit Sperre  
Nahtmaterialgröße: 5/0 und kleiner  
with ratchet  
Suture size: 5/0 and smaller  
210 mm, 8 1/4"

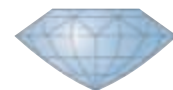


1/1

1/2

FM276R

ohne Sperre  
Nahtmaterialgröße: 5/0 und kleiner  
without ratchet  
Suture size: 5/0 and smaller  
210 mm, 8 1/4"



## Nadelhalter – Needle Holders

DIADUST Mikro-Nadelhalter

DIADUST Micro Needle Holders

DIADUST



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

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



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"



RYDER

**BM301R-BM328R**

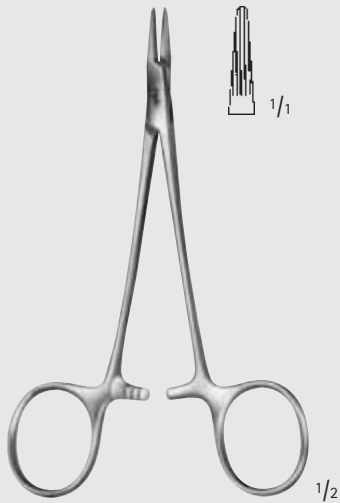
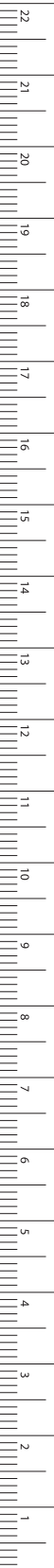
Nahtmaterialgröße: 5/0 und kleiner

Suture Size: 5/0 and smaller



Nadelhalter – Needle Holders  
Nadelhalter  
Needle Holders

BM



CONVERSE

**BM200R**

130 mm, 5 1/8"



WEBSTER

**BM202R**

125 mm, 5"



HALSEY

**BM201R–BM205R**

130 mm, 5 1/8"



DERF

**BM204R**

125 mm, 5"



DOYEN

**BM210R**

125 mm, 5"



BAUMGARTNER

**BM215R**

145 mm, 5 3/4"

MILLIMETERS

## Nadelhalter – Needle Holders

Nadelhalter  
Needle Holders

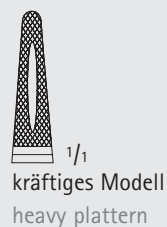
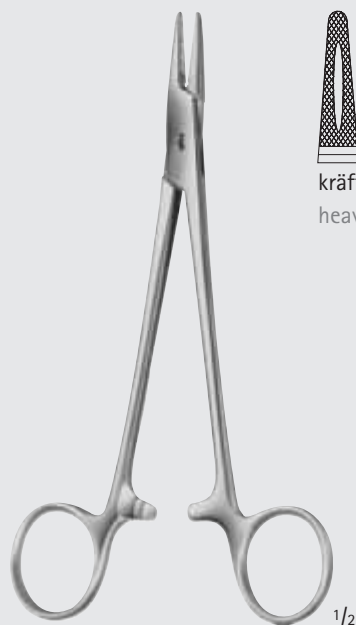
BM



CRILE-WOOD

**BM218R**

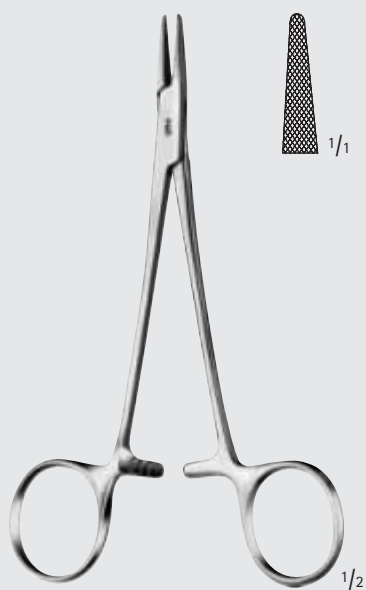
150 mm, 6"



CRILE-WOOD

**BM220R**

160 mm, 6 1/4"



CRILE-MURRAY

**BM219R**

150 mm, 6"



KILNER

**BM211R**

135 mm, 6"



## Nadelhalter – Needle Holders

### Nadelhalter Needle Holders

**BM**

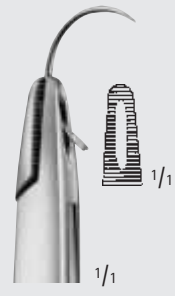


 1/1  
feines Maul  
delicate jaw

LAWRANCE

**BM221R**

150 mm, 6"

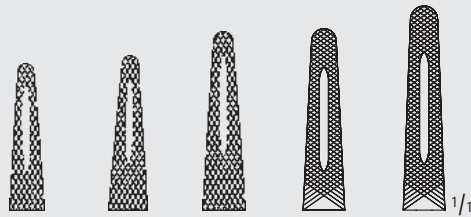


für Frontal-, Gaumennaht  
etc. geeignet  
designed for frontal and  
palate suture

ADSON

**BM224R**

180 mm, 7"

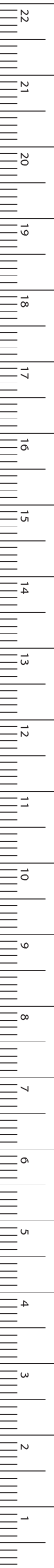


BM235R	BM236R	BM237R	BM238R	BM240R
150 mm	185 mm	200 mm	235 mm	265 mm
6"	7 1/4"	8"	9 1/4"	10 1/2"

MAYO-HEGAR

**BM235R-BM240R**

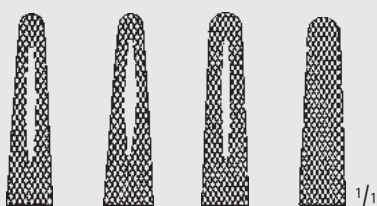
mittelfeine Modelle  
medium fine patterns



## Nadelhalter – Needle Holders

Nadelhalter  
Needle Holders

BM

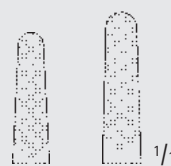


BM245R	BM247R	BM249R	BM255R
150 mm	175 mm	205 mm	205 mm
6"	7"	8"	8"

HEGAR

**BM245R–BM255R**

kräftige Modelle  
heavy patterns



BM241R	BM242R
165 mm	190 mm
6 1/2"	7 1/2"

MAYO-HEGAR

**BM241R–BM242R**



HEANEY

**BM259R**

200 mm, 8"



JAMESON

**BM270R**

230 mm, 9"





Nadelhalter – Needle Holders  
Nadelhalter  
Needle Holders

BM



WANGENSTEEN

BM272R

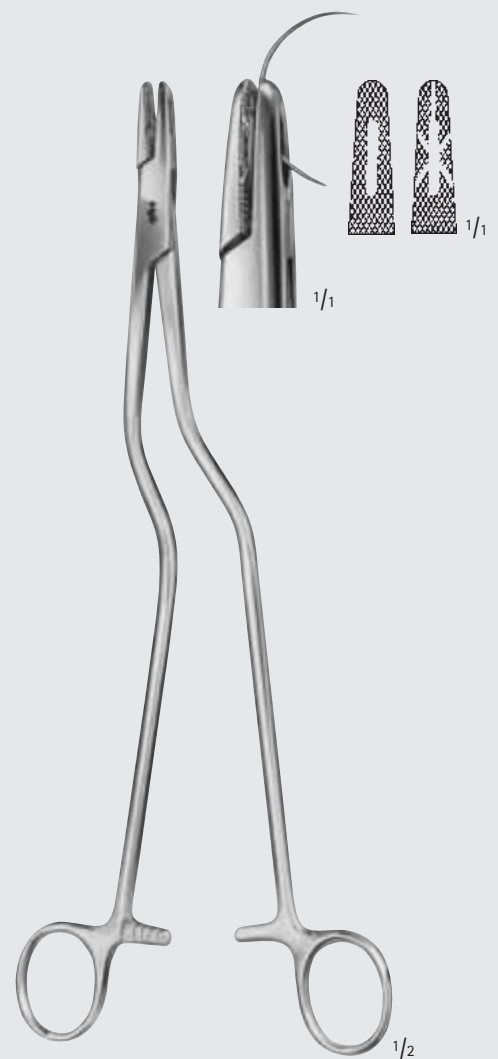
275 mm, 10 <sup>3</sup>/<sub>4</sub>"



MASSON

BM275R

265 mm, 10 <sup>1</sup>/<sub>2</sub>"



MASSON-LUETHY

BM280R

255 mm, 10"



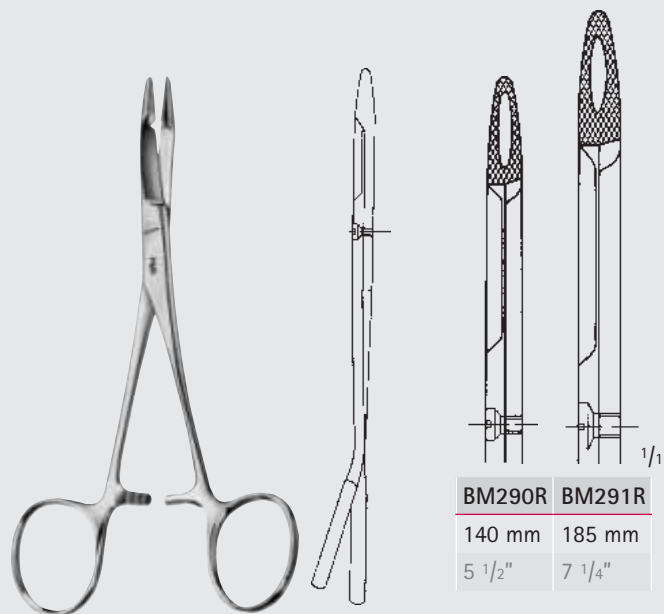
MILLIMETERS

## Nadelhalter – Needle Holders

Nadelhalter mit Schere

Needle Holders with Scissors

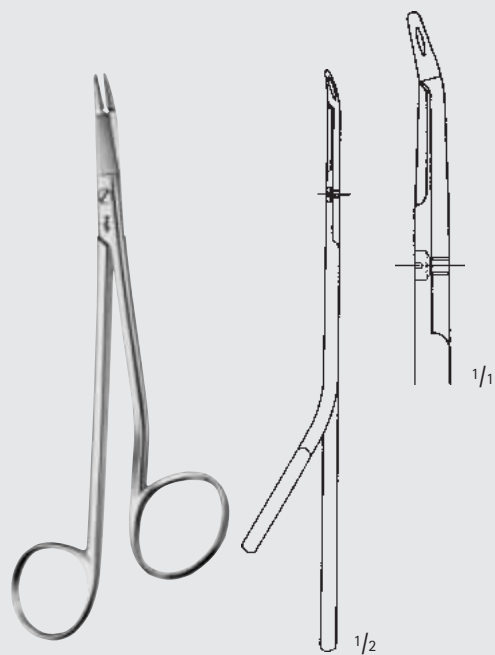
BM



BM290R	BM291R
140 mm	185 mm
5 1/2"	7 1/4"

HEGAR-OLSEN

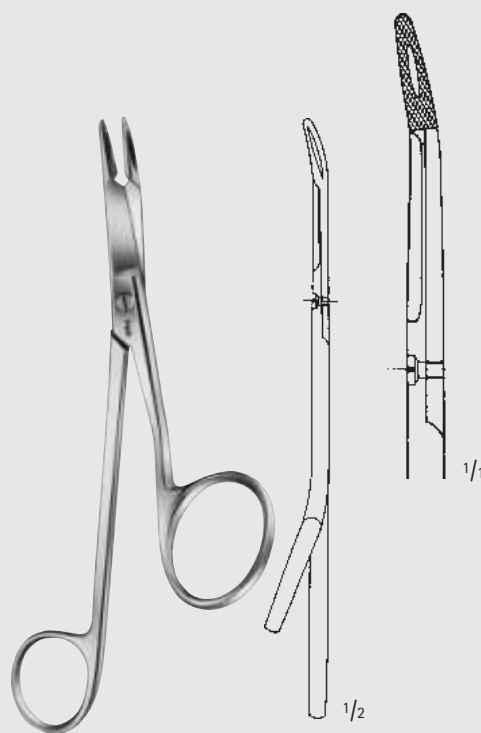
**BM290R-BM291R**



GILLIES

**BM298R**

150 mm, 6"



GILLIES

**BM299R**

160 mm, 6 1/4"

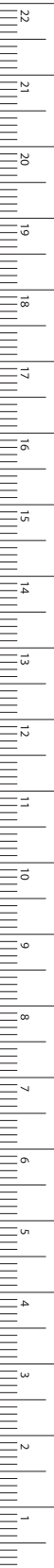




## Nadelhalter – Needle Holders

### Nadelhalter Needle Holders

**BM**



MILLIMETERS



CRILE

**BM503R**

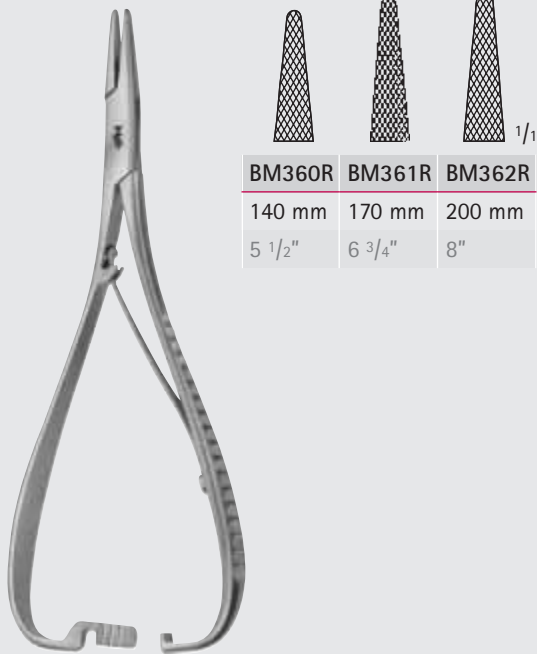
150 mm, 6"



TÖNNIS

**BM510R**

elastisches Modell für Dura- oder Darmnaht  
elastic pattern for dura- or intestinal suture  
180 mm, 7"



BM360R	BM361R	BM362R
140 mm	170 mm	200 mm
5 1/2"	6 3/4"	8"

MATHIEU

**BM360R-BM362R**



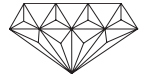
BM406R	BM407R
175 mm	200 mm
7"	8"

MATHIEU-STILLE

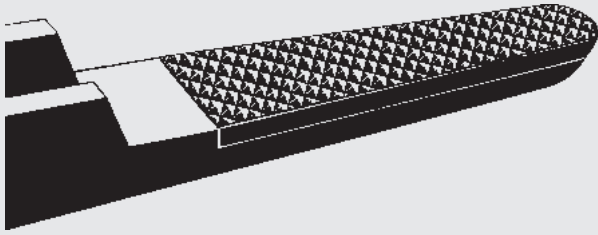
**BM406R-BM407R**

sehr kräftige Modelle  
very heavy patterns

**Nadelhalter – Needle Holders**  
**DUROGRIP® Nadelhalter**  
**DUROGRIP® Needle Holders**



**BM**



glatt  
smooth



0,2



0,4



0,5

AESULAP-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.

AESULAP 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 sure „grip“ of the resp. needle.

Wir empfehlen Hartmetall-Maulteile mit glatter Fläche für Nahtmaterial mit Teilung 0,2 mm für Nahtmaterial 0,4 mm 0,5 mm

9/0 – 11/0  
6/0 – 10/0  
4/0 – 6/0  
bis 3/0

We recommend carbide inserts with smooth jaw surface for suture material with 0.2 mm pitch of serration for suture material 0.4 mm 0.5 mm

9/0 – 11/0  
6/0 – 10/0  
4/0 – 6/0  
up to 3/0



**DUROGRIP®-Nadelhalter mit Hartmetall-Plättchen**  
**Kenzeichnung:**

**Vergoldete Ringe, Branchenenden und Sperren**

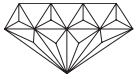
DUROGRIP® Needle Holders with carbide inserts  
 Identification:

gold-plated rings, handle ends and ratchets

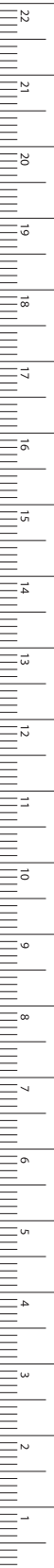




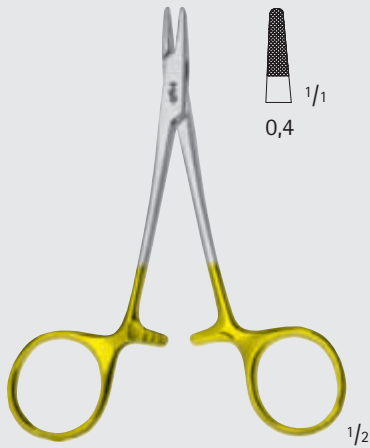
**Nadelhalter – Needle Holders**  
**DUROGRIP® Nadelhalter**  
**DUROGRIP® Needle Holders**



**BM**



MILLIMETERS



DERF

**BM008R**

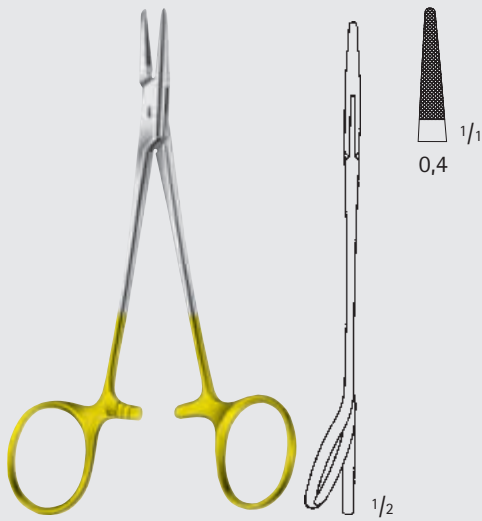
115 mm, 4 1/2"



HALSEY

**BM010R**

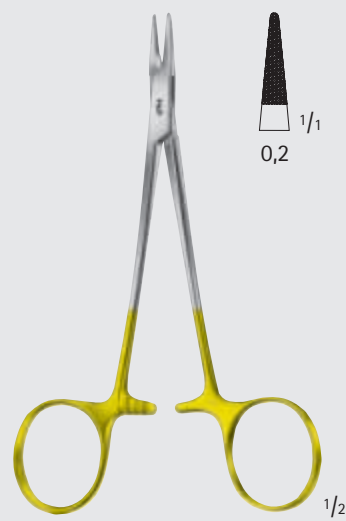
120 mm, 4 3/4"



MASING

**BM009R**

ein Ring abgewinkelt  
 one ring angled  
 130 mm, 5 1/8"



CONVERSE

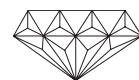
**BM011R**

130 mm, 5 1/8"

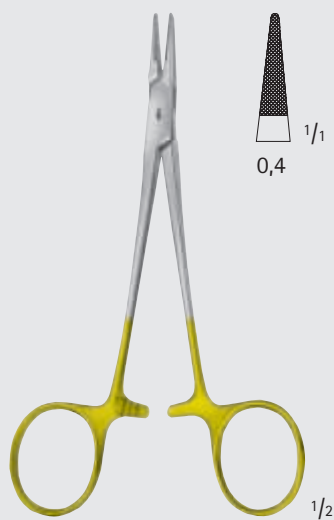
# Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter

DUROGRIP® Needle Holders



BM



HALSEY

**BM012R**

130 mm, 5 1/8"



**BM014R**

mit glattem  
Maul

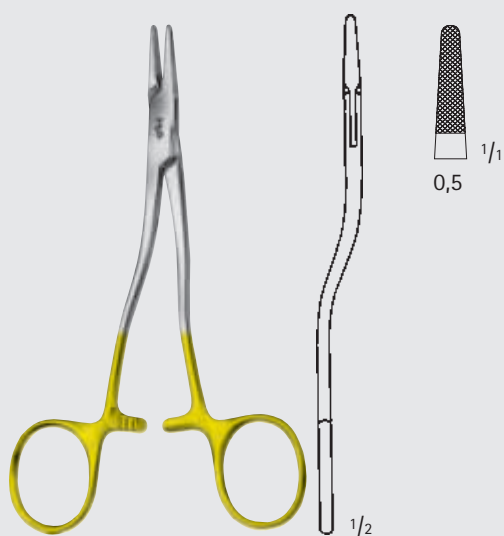
with smooth  
jaws

**BM024R**

WEBSTER

**BM014R-BM024R**

125 mm, 5"



KILNER

**BM018R**

135 mm, 5 1/4"



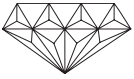
BAUMGARTNER

**BM015R**

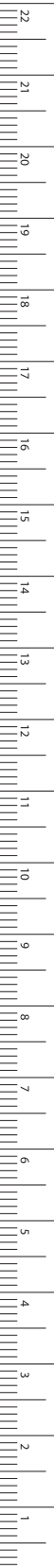
145 mm, 5 3/4"



**Nadelhalter – Needle Holders**  
**DUROGRIP® Nadelhalter**  
**DUROGRIP® Needle Holders**



**BM**



**BABY-CRILE-WOOD**  
**BM013R**  
 150 mm, 6"

BM016R	BM017R	BM019R	BM030R	BM021R
145 mm	185 mm	200 mm	270 mm	305 mm
5 3/4"	7 1/4"	8"	10 3/8"	12 1/2"

**CRILE-WOOD**  
**BM016R-BM030R**

BM020R	BM023R
175 mm	260 mm
7"	10 1/4"

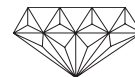
**SAROT**  
**BM020R-BM023R**

**HEGAR-MAYO-SEELEY**  
**BM022R**  
 200 mm, 8"

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter

DUROGRIP® Needle Holders

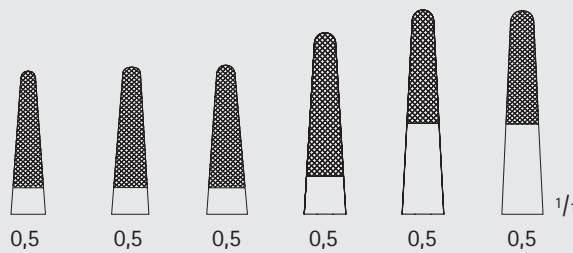


BM

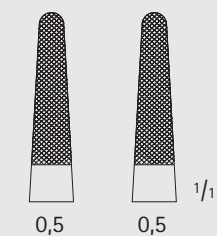


HEGAR-MAYO

**BM065R-BM070R**



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"



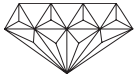
BM077R	BM078R
205 mm	245 mm
8"	9 3/4"

HEGAR

**BM077R-BM078R**

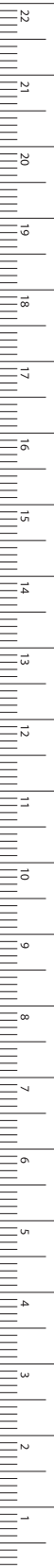
kräftige Modelle  
heavy patterns





**Nadelhalter – Needle Holders**  
**DUROGRIP® Nadelhalter mit Schere**  
**DUROGRIP® Needle Holders with Scissors**

**BM**

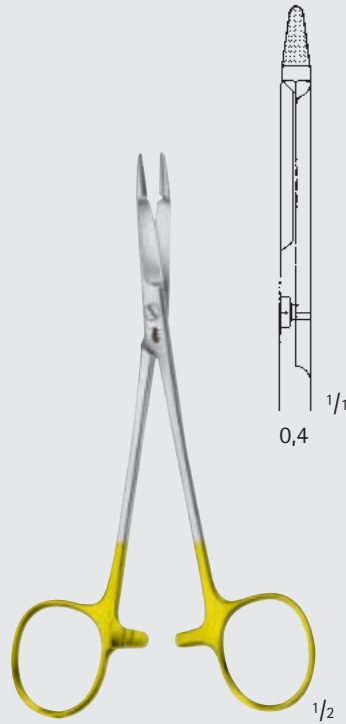


MILLIMETERS



**BM127R**

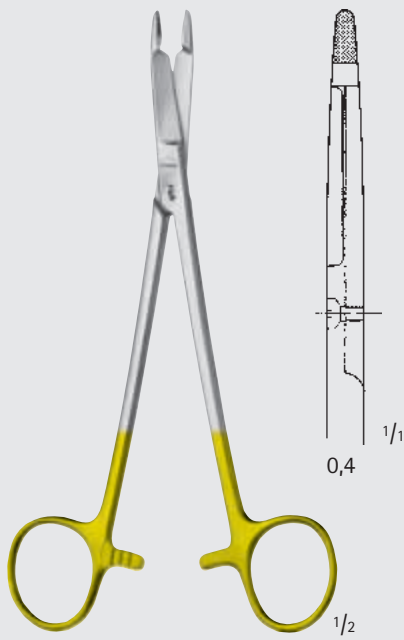
125 mm, 5"



**HEGAR-OLSEN MODIF. LANGE**

**BM128R**

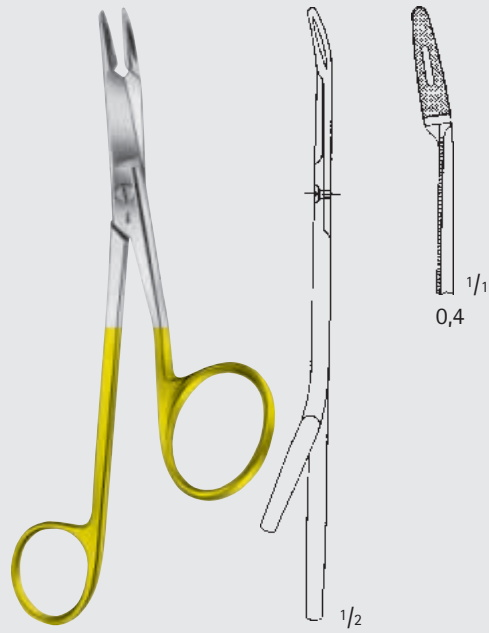
145 mm, 5 3/4"



**HEGAR-OLSEN**

**BM124R**

1 Blatt fein gezahnt  
1 blade fine serrated  
165 mm, 6 1/2"



**GILLIES**

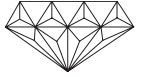
**BM129R**

160 mm, 6 1/4"

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter, Drahtspannzangen, Ligaturzangen

DUROGRIP® Needle Holders, Wire Twisters, Ligature Forceps



BM



BM110R

150 mm, 6"



BM111R

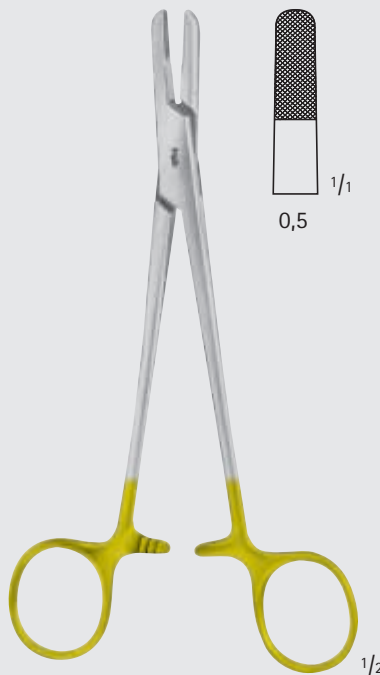
150 mm, 6"



BAUMGARTNER

BM112R

200 mm, 8"



BM113R

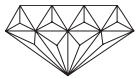
175 mm, 7"



BERRY

MD456R

185 mm, 7 1/4"

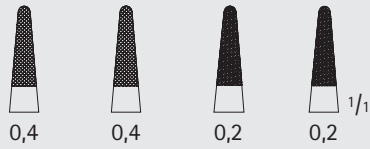


»grazil«

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter  
DUROGRIP® Needle Holders

BM

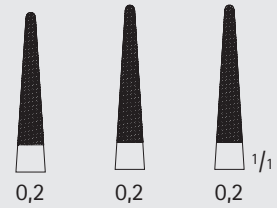


BM033R	BM034R	BM063R	BM064R
165 mm	210 mm	165 mm	210 mm
6 1/2"	8 1/4"	6 1/2"	8 1/4"

DE BAKEY

BM033R-BM064R

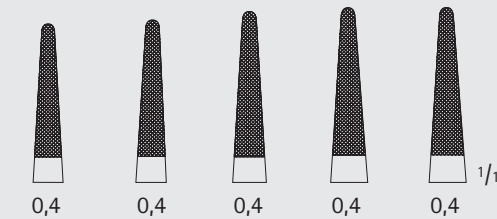
sehr fein  
very delicate



BM025R	BM026R	BM027R
180 mm	200 mm	230 mm
7"	8"	9"

BM025R-BM027R

sehr fein  
very delicate



BM032R	BM035R	BM036R	BM037R	BM038R
150 mm	180 mm	230 mm	250 mm	305 mm
6"	7"	9"	10"	12"

DE BAKEY

BM032R-BM038R

1/2



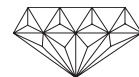
MILLIMETERS

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter

DUROGRIP® Needle Holders

»grazil«



BM

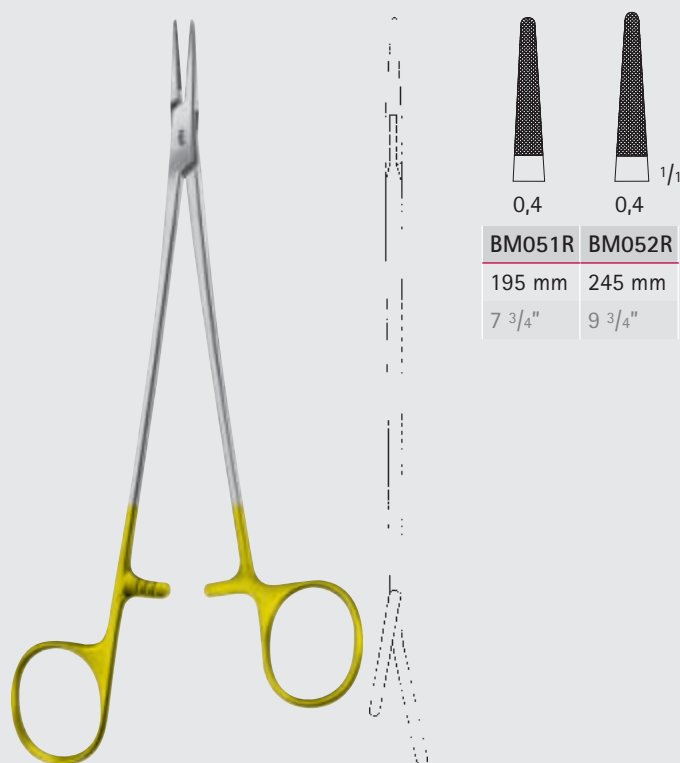


DE BAKEY

**BM040R**

schlankes Modell  
slender pattern

305 mm, 12"



DE BAKEY

**BM051R-BM052R**

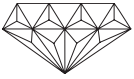
Ringe griffgünstig abgesetzt  
und gebogen  
one extended handle and curved  
rings ensure optimum grip



## Nadelhalter – Needle Holders

### DUROGRIP® Nadelhalter

### DUROGRIP® Needle Holders



0,5	0,5	0,5	1/1
<b>BM100R</b>	<b>BM101R</b>	<b>BM102R</b>	
200 mm	240 mm	300 mm	
8"	9 1/2"	12"	

**WERTHEIM**  
**BM100R-BM102R**

0,5	0,5
<b>BM095R</b>	<b>BM096R</b>
210 mm	230 mm
8 1/4"	9"

**STRATTE**  
**BM095R-BM096R**

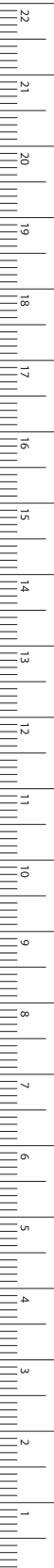
0,5	0,5	1/1
<b>BM081R</b>	<b>BM084R</b>	
200 mm	260 mm	
8"	10 1/4"	

**HEANEY**  
**BM081R-BM084R**

0,5	1/1
<b>BM082R</b>	
S-förmig gebogen	
S-shaped	
215 mm, 8 1/2"	

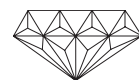
**BM082R**  
S-förmig gebogen  
S-shaped  
215 mm, 8 1/2"

**BM**



MILLIMETERS

**Nadelhalter – Needle Holders**  
DUROGRIP® Nadelhalter  
DUROGRIP® Needle Holders

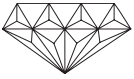


**BM**

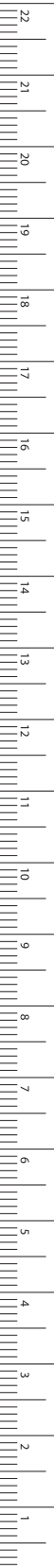




**Nadelhalter – Needle Holders**  
DUROGRIP® Nadelhalter  
DUROGRIP® Needle Holders



**BM**



MILLIMETERS



**NAUNTUN-MORGAN**

**BM088R**

260 mm, 10 1/2"



**MÜLLER**

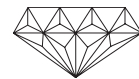
**BM089R**

für tiefe Rektumchirurgie  
for deep rectum surgery  
360 mm, 14"

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter

DUROGRIP® Needle Holders



BM



MASSON

BM090R

265 mm, 10 1/2"



FINOCHIETTO

BM092R

265 mm, 10 1/2"

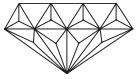




## Nadelhalter – Needle Holders

### DUROGRIP® Nadelhalter

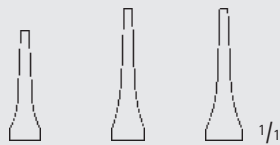
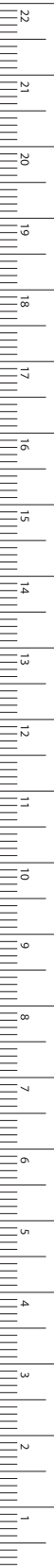
### DUROGRIP® Needle Holders



Diese Spezialmodelle mit extra schmalen Mäulern eignen sich für atraumatische Nadeln und für feine Gefäßnadeln.

These special patterns with extremely fine jaws are suitable for holding non-traumatic needles and fine vein needles.

**BM**



BM074R	BM075R	BM076R
150 mm	180 mm	230 mm
6"	7"	9"

**RYDER**

**BM074R-BM076R**

mit glattem Maul  
with smooth jaws



1/2

**BM184R**

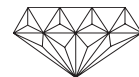
200 mm, 8"

MILLIMETERS

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter

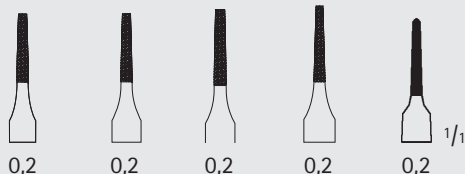
DUROGRIP® Needle Holders



Diese Spezialmodelle mit extra schmalen Mäulern eignen sich für atraumatische Nadeln und für feine Gefäßnadeln.

These special patterns with extremely fine jaws are suitable for holding non-traumatic needles and fine vein needles.

»grazil«



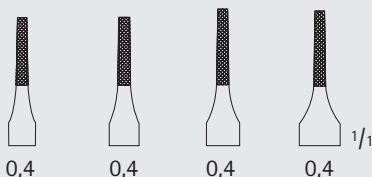
BM054R	BM055R	BM056R	BM057R	BM058R
135 mm	155 mm	175 mm	210 mm	230 mm
5 1/4"	6"	7"	8 1/4"	9"

RYDER

BM054R-BM058R

sehr fein

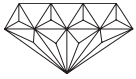
very delicate



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



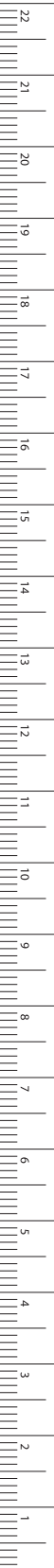
## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter, ergonomische Griff-Form  
DUROGRIP® Nadelhalter, Ergonomic Handle

Diese Instrumente bieten dem Chirurgen ein Maximum an ergonomischem Komfort. Das optimierte Design der Instrumente ermöglicht ein ermüdungsfreies Arbeiten insbesondere bei schwierigen Naht- und Anastomostechiken.

These instruments provide the surgeon with a maximum of ergonomic comfort. The optimized design of the Instruments offers a fatigue-free working especially with regard to difficult suture and anastomosis techniques.

BM



**HELLBERG-KUPKA**  
**BM320R**  
mit Anreicherungssperre  
with locking ratchet  
210 mm, 8 1/4"



**REIN-KUPKA**  
**BM310R**  
ohne Sperre  
without ratchet  
190 mm, 7 1/2"



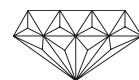
**REIN-KUPKA**  
**BM311R**  
mit Sperre  
with ratchet  
190 mm, 7 1/2"

MILLIMETERS

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter

DUROGRIP® Needle Holders



BM



1/2

TÖNNIS

**BM186R**

elastisches Modell

elastic pattern

180 mm, 7"



1/2

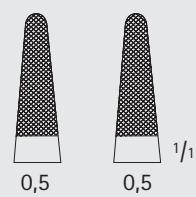
TÖNNIS MODIF.

**BM183R**

elastisches Modell

elastic pattern

180 mm, 7"



BM191R	BM193R
180 mm	200 mm
7"	8"

LANGENBECK

**BM191R-BM193R**



1/2

»grazil«

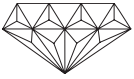
LANGENBECK

**BM196R**

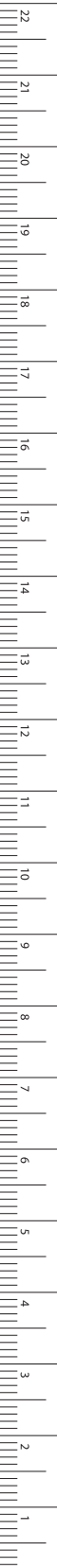
200 mm, 8"



**Nadelhalter – Needle Holders**  
**DUROGRIP® Nadelhalter**  
**DUROGRIP® Needle Holders**



**BM**



MILLIMETERS



ZWEIFEL

**BM170R**

200 mm, 8"



ZWEIFEL

**BM172R**

200 mm, 8"



AESCALAP

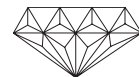
**BM178R**

200 mm, 8"

## Nadelhalter – Needle Holders

DUROGRIP® Nadelhalter

DUROGRIP® Needle Holders



BM



»grazil«



LICHTENBERG

BM132R

elastisches Modell  
elastic pattern

195 mm, 7 3/4"



BM165R

mit langem Hals  
with long neck  
205 mm, 8"



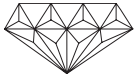
HÖSEL

BM168R

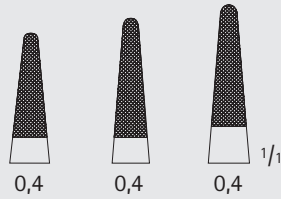
mit langem Hals  
with long neck  
260 mm, 10"



**Nadelhalter – Needle Holders**  
**DUROGRIP® Nadelhalter**  
**DUROGRIP® Needle Holders**



»grazil«



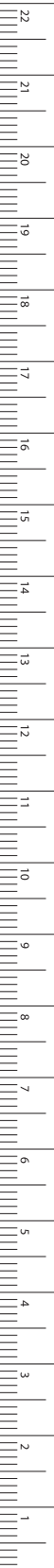
BM148R	BM150R	BM153R
140 mm	170 mm	200 mm
5 1/2"	6 3/4"	8"

MATHIEU

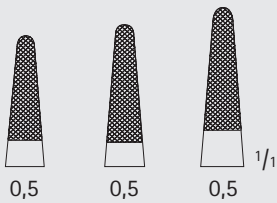
**BM148R–BM153R**

feine Modelle  
 delicate patterns

**BM**



MILLIMETERS

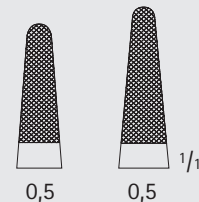


BM149R	BM151R	BM154R
140 mm	170 mm	200 mm
5 1/2"	6 3/4"	8"

MATHIEU

**BM149R–BM154R**

Standard-Modelle  
 Standard patterns



BM156R	BM158R
200 mm	245 mm
8"	9 3/4"

MATHIEU

**BM156R–BM158R**

kräftige Modelle  
 heavy patterns

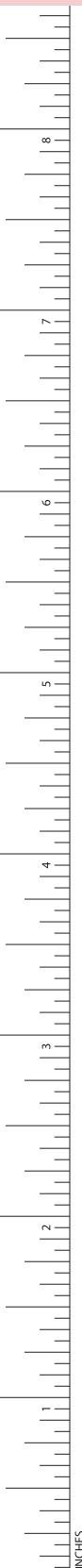


## Nadelhalter – Needle Holders

Bumerang-Nadelhalter

Boomerang Needle Holders

BM



BM627R



BM628R



BM629R

BM627R-BM629R

Ersatz-Nadeln

Spare needles



1/2

YOUNG-HRYNTSCHAK

BM620R

Bumerang-Nadelhalter  
mit 1 Nadel BM627R  
Boomerang Needle Holder  
with 1 needle BM627R  
240 mm, 9 1/2"



1/2

MILLIN

EF168R

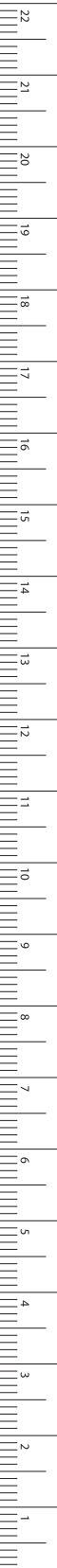
Fadenhaltezange  
Ligature holding forceps  
285 mm, 9 3/4"





**Nadelhalter – Needle Holders**  
Naht-Instrumente – Reverdin-Nadeln  
Suture Instruments – Reverdin Needles

**BM**



MILLIMETERS



REVERDIN

BM711R-BM714R

195 mm, 7 3/4"



BM711R

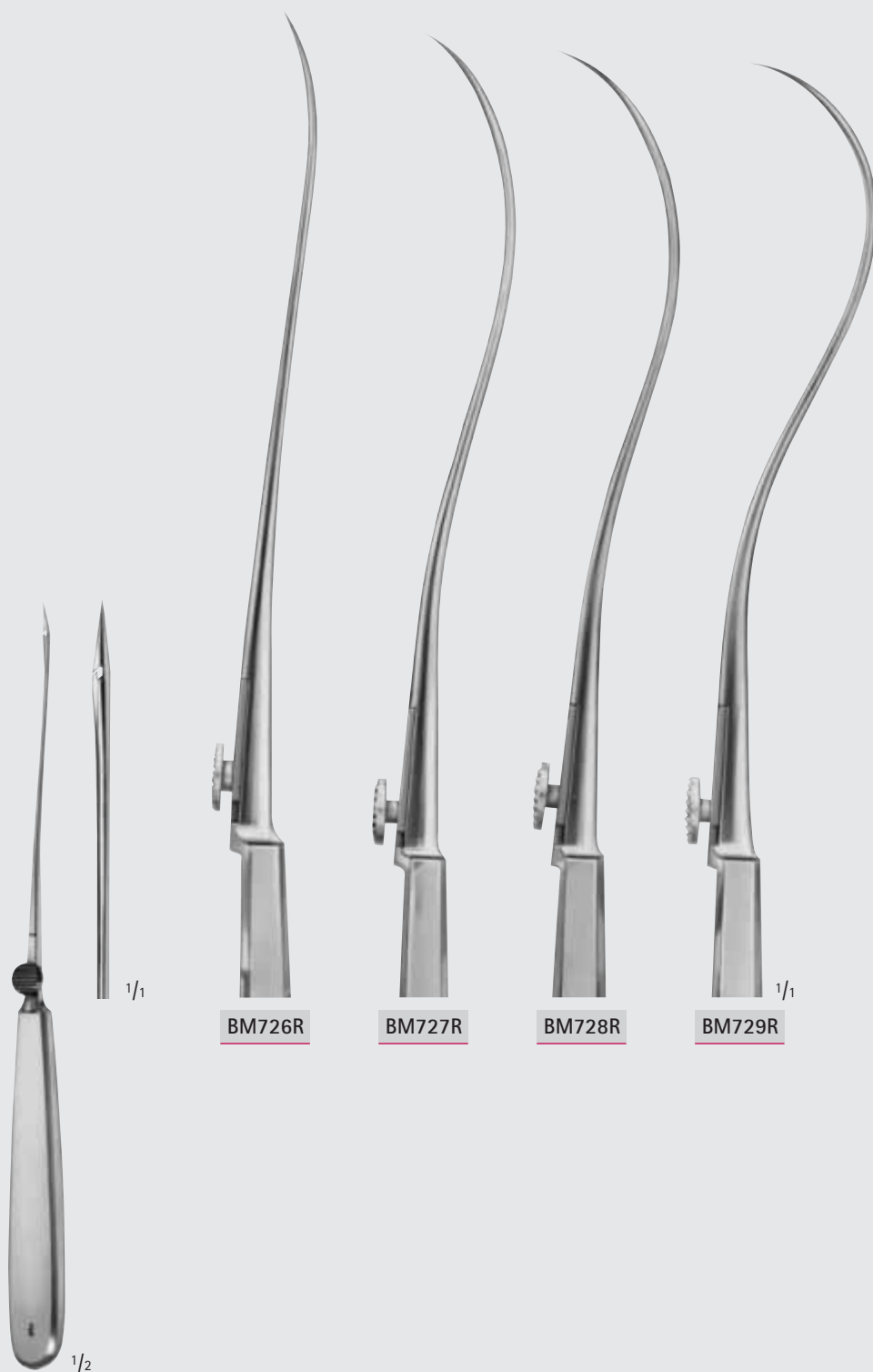
BM712R

BM713R

BM714R

**Nadelhalter – Needle Holders**  
Naht-Instrumente - Reverdin-Nadeln  
Suture Instruments - Reverdin Needles

BM



BM726R

BM727R

BM728R

BM729R

REVERDIN

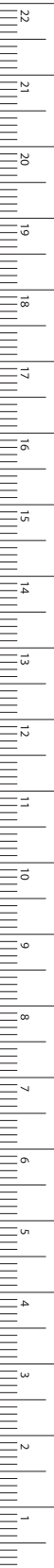
BM726R-BM729R

220 mm, 8 3/4"

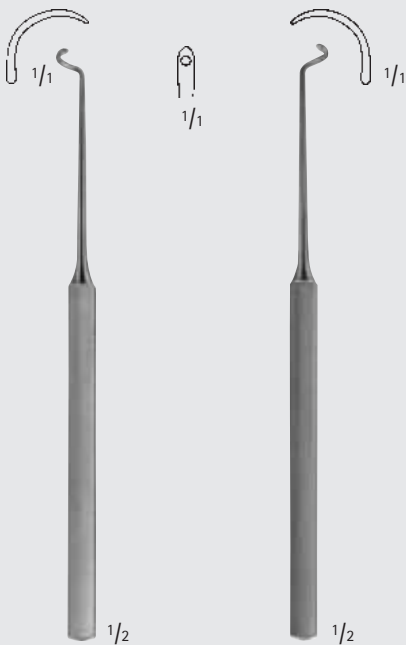


**Nadelhalter – Needle Holders**  
 Naht-Instrumente - Unterbindungsnadeln  
 Suture Instruments - Ligature Needles

**BM**



MILLIMETERS



**KRONECKER**

**BM801R**

für rechte Hand  
 stumpf  
 for right hand  
 blunt  
 155 mm, 6"

**KRONECKER**

**BM802R**

für linke Hand  
 stumpf  
 for left hand  
 blunt  
 155 mm, 6"



**DESCHAMPS**

**BM812R**

für rechte Hand  
 steile Biegung  
 stumpf  
 for right hand  
 steep turn  
 blunt  
 225 mm, 9"

**DESCHAMPS**

**BM813R**

für linke Hand  
 steile Biegung  
 stumpf  
 for left hand  
 steep turn  
 blunt  
 225 mm, 9"



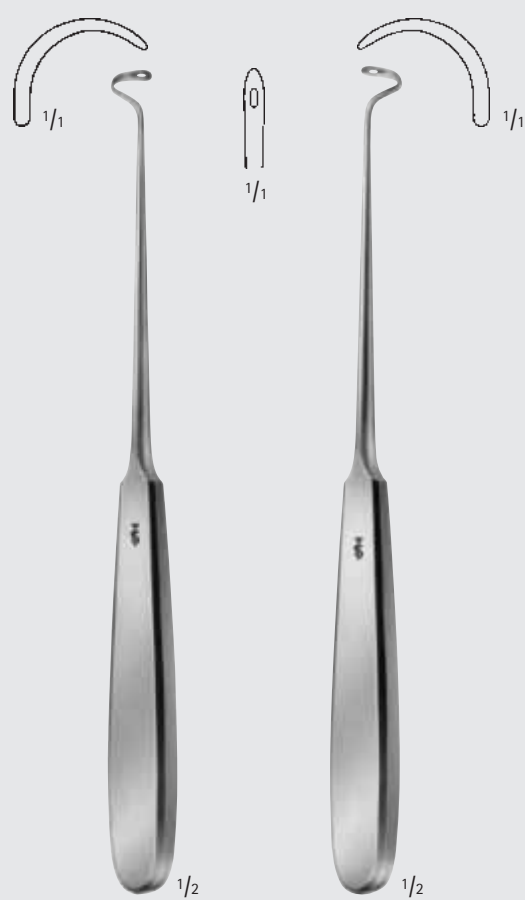
**DESCHAMPS**

**BM814R**

für rechte Hand  
 steile Biegung  
 stumpf  
 for right hand  
 steep turn  
 blunt  
 225 mm, 9"

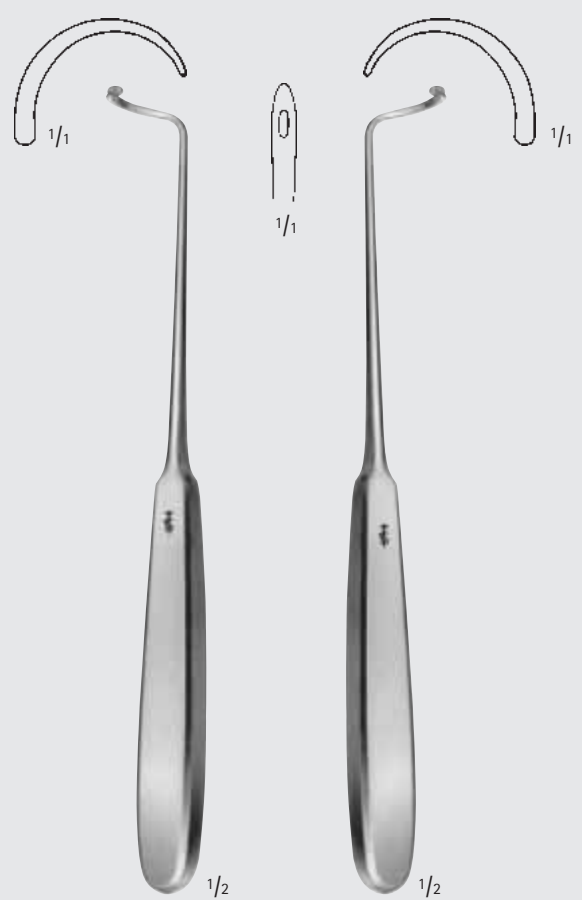
**Nadelhalter – Needle Holders**  
 Naht-Instrumente - Unterbindungsnadeln  
 Suture Instruments - Ligature Needles

**BM**



**DESCHAMPS**  
**BM806R**  
 für rechte Hand  
 stumpf  
 for right hand  
 blunt  
 215 mm, 8 1/2"

**DESCHAMPS**  
**BM807R**  
 für linke Hand  
 stumpf  
 for left hand  
 blunt  
 215 mm, 8 1/2"



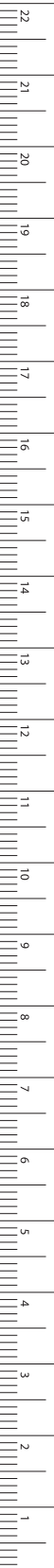
**DESCHAMPS**  
**BM808R**  
 für rechte Hand  
 stumpf  
 for right hand  
 blunt  
 210 mm, 8 1/4"

**DESCHAMPS**  
**BM809R**  
 für linke Hand  
 stumpf  
 for left hand  
 blunt  
 210 mm, 8 1/4"

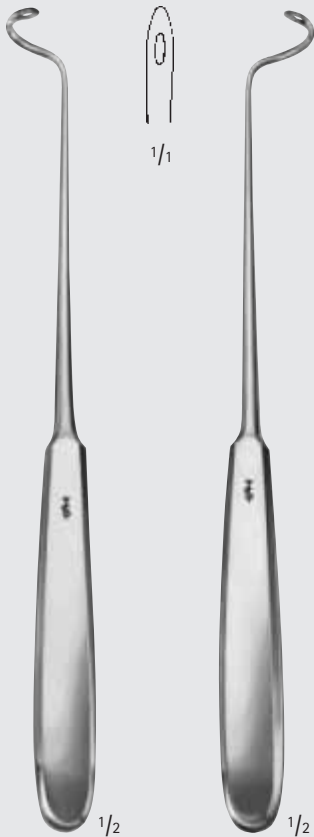
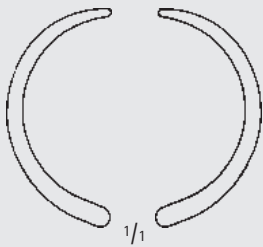


**Nadelhalter – Needle Holders**  
 Naht-Instrumente - Unterbindungsnadeln  
 Suture Instruments - Ligature Needles

**BM**



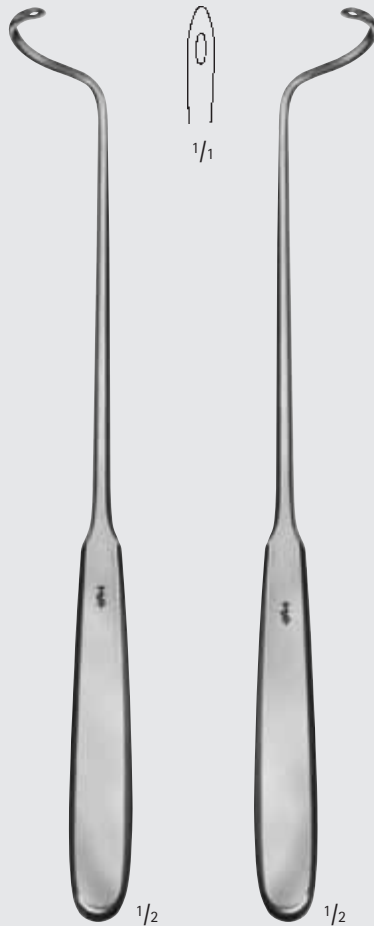
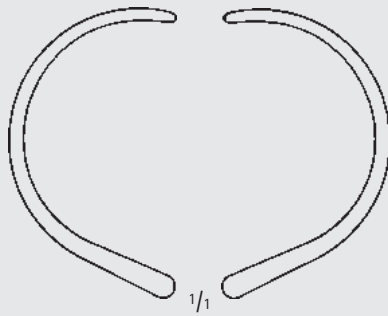
MILLIMETERS



DESCHAMPS

**BM810R**

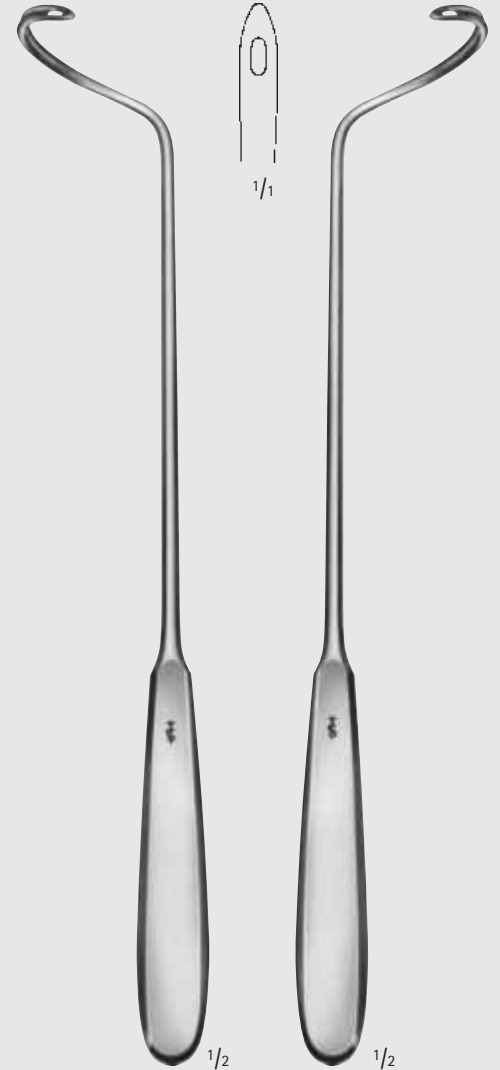
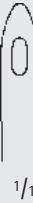
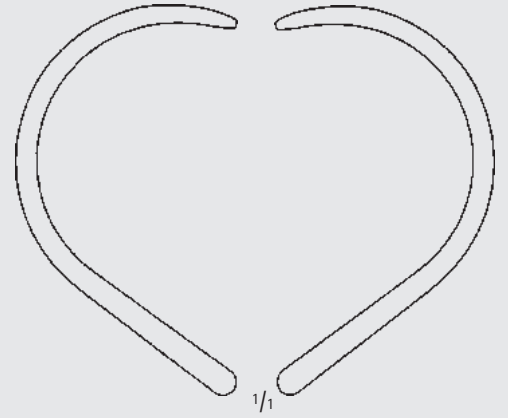
für rechte Hand  
stumpf  
for right hand  
blunt  
215 mm, 8 1/2"



DESCHAMPS

**BM822R**

für rechte Hand  
stumpf  
for right hand  
blunt  
240 mm, 9 1/2"



DESCHAMPS

**BM824R**

für rechte Hand  
stumpf  
for right hand  
blunt  
280 mm, 11"



DESCHAMPS

**BM811R**

für linke Hand  
stumpf  
for left hand  
blunt  
215 mm, 8 1/2"

DESCHAMPS

**BM823R**

für linke Hand  
stumpf  
for left hand  
blunt  
240 mm, 9 1/2"

DESCHAMPS

**BM825R**

für linke Hand  
stumpf  
for left hand  
blunt  
280 mm, 11"

**Nadelhalter – Needle Holders**  
 Naht-Instrumente - Unterbindungsnadeln  
 Suture Instruments - Ligature Needles

**BM**



**HURD**  
**BM770R**  
 für rechte Hand  
 scharf  
 for right hand  
 sharp  
 210 mm, 8 1/4"

**HURD**  
**BM771R**  
 für linke Hand  
 scharf  
 for left hand  
 sharp  
 210 mm, 8 1/4"



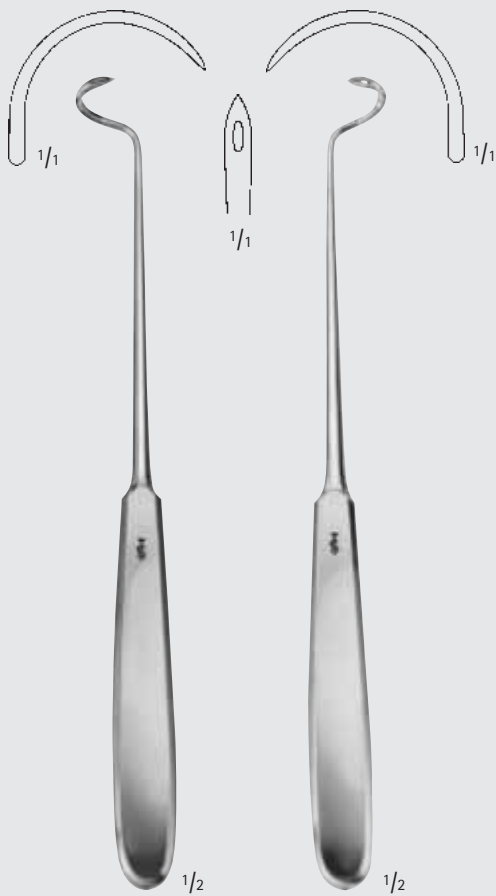
**DESCHAMPS**  
**BM780R**  
 für rechte Hand  
 scharf  
 for right hand  
 sharp  
 210 mm, 8 1/4"

**DESCHAMPS**  
**BM781R**  
 für linke Hand  
 scharf  
 for left hand  
 sharp  
 210 mm, 8 1/4"



**Nadelhalter – Needle Holders**  
Naht-Instrumente - Unterbindungsnadeln  
Suture Instruments - Ligature Needles

**BM**



**DESCHAMPS**

**BM748R**

für rechte Hand  
scharf  
for right hand  
sharp  
215 mm, 8 1/2"

**DESCHAMPS**

**BM749R**

für linke Hand  
scharf  
for left hand  
sharp  
215 mm, 8 1/2"



**JONESCO**

**BM755R**

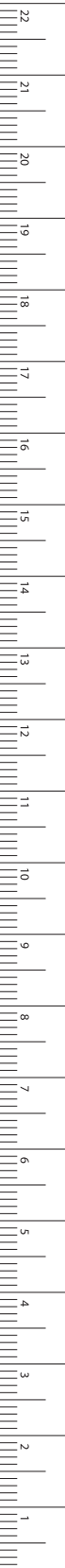
Hohlnadel  
Needle for wire suture  
185 mm, 7 1/4"



**CLAUS VAN EICKEN**

**BM774R**

250 mm, 10"

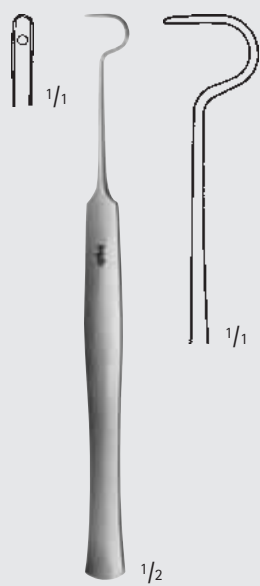
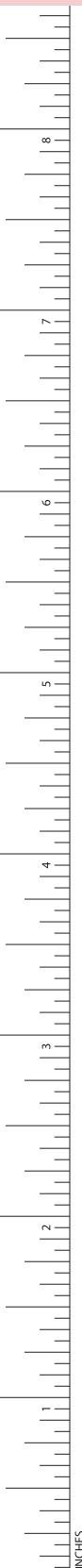


## Nadelhalter – Needle Holders

Unterbindungsnadeln

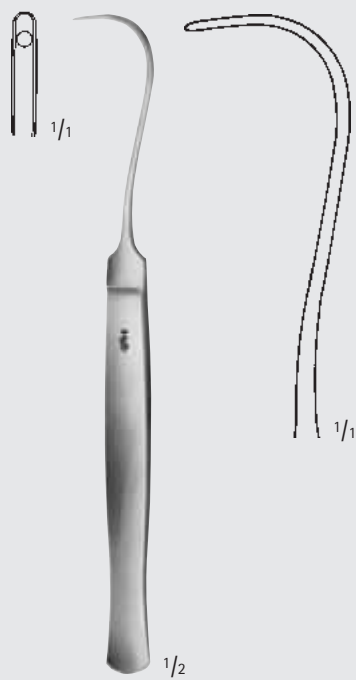
Ligature Needles

BM



**BM853R**

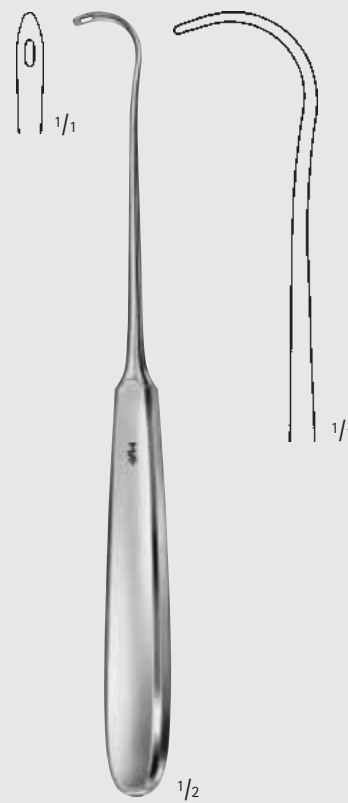
150 mm, 6"



**SYME**

**BM855R**

170 mm, 6 3/4"



**COOPER**

**BM856R**

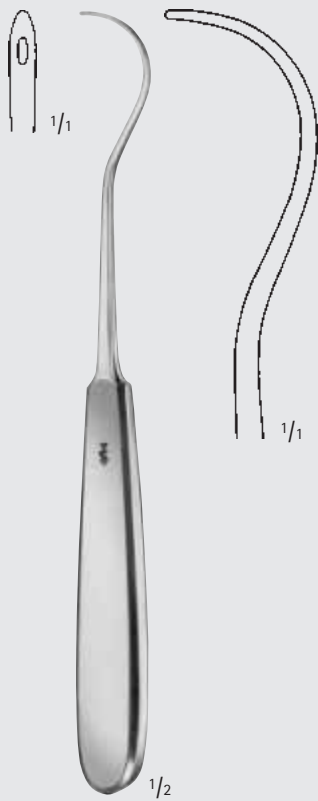
205 mm, 8"





**Nadelhalter – Needle Holders**  
Unterbindungsnadeln  
Ligature Needles

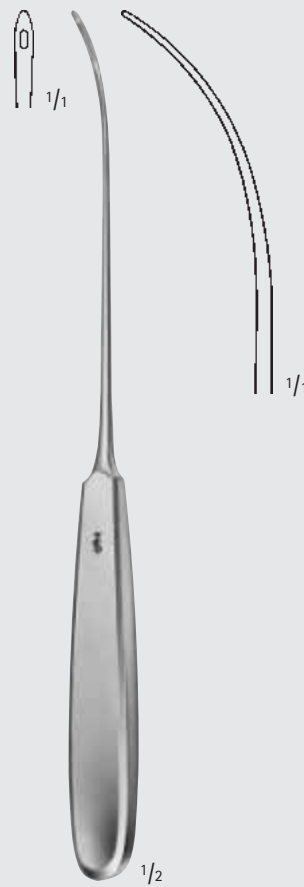
**BM**



**KOCHER**

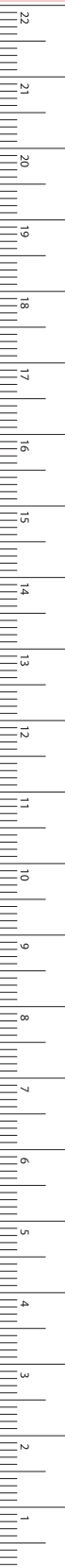
**BM858R**

205 mm, 8"



**BM861R**

biegsam  
malleable  
230 mm, 9"



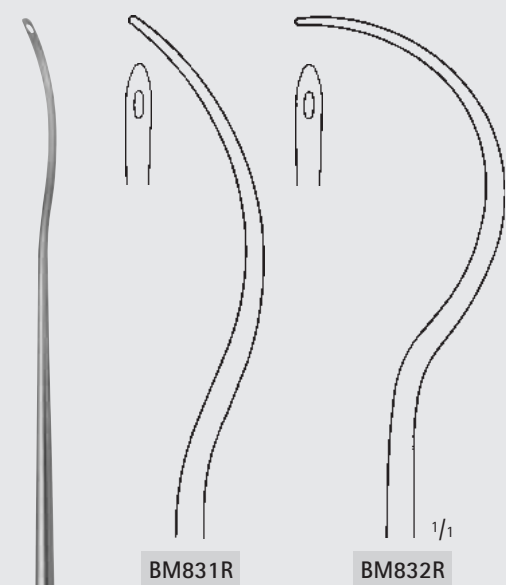
MILLIMETERS

## Nadelhalter – Needle Holders

Unterbindungs-nadeln, Führungs-Hohlsonden nach BRUNNER

BRUNNER Ligature Needles, Guiding Probes

BM



BM831R

BM832R

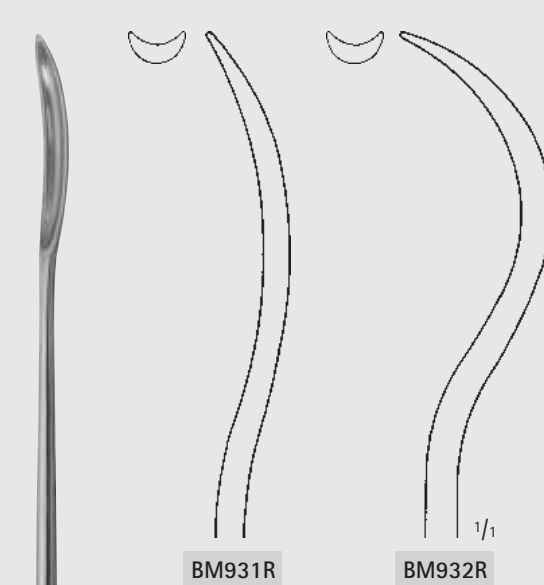
BRUNNER

BM831R-BM832R

Unterbindungs-nadeln

Ligature needles

300 mm, 12"



BM931R

BM932R

BRUNNER

BM931R-BM932R

Führungs-Hohlsonden

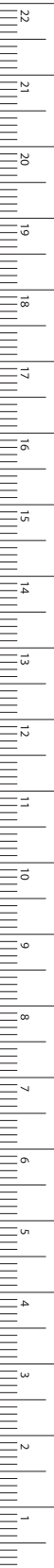
Guiding probes

300 mm, 12"



**Nadelhalter – Needle Holders**  
 Führungs-Hohlsonden  
 Guiding Probes

**BM**



3 mm

1/1

1/2

**BM900R**  
 200 mm, 8"

5 mm

1/1

1/2

**KÖNIG**  
**BM901R**  
 195 mm, 7 3/4"

7 mm

1/1

1/2

**KÖNIG**  
**BM902R**  
 200 mm, 8"

8 mm

1/1

1/2

**SCHMIEDEN**  
**BM905R**  
 185 mm, 7 1/4"

11 mm

1/1

1/2

**KOCHER**  
**BM911R**  
 150 mm, 6"

12 mm

1/1

1/2

**KOCHER**  
**BM913R**  
 170 mm, 6 3/4"

5 mm

1/1

1/2

**PAYR**  
**BM920R**  
 195 mm, 7 3/4"

5 mm

1/1

1/2

**PAYR**  
**BM922R**  
 225 mm, 9"

MILLIMETERS

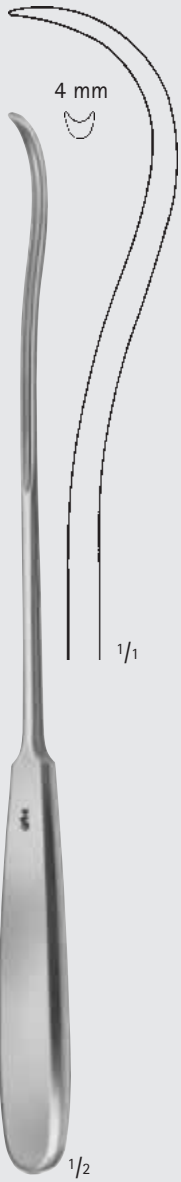
# Nadelhalter – Needle Holders

Führungs-Hohlsonden

Guiding Probes

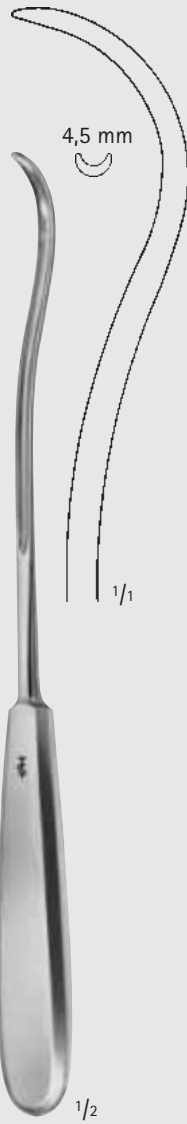
Aus Kunststoff, zur Koagulation sterilisierbar im Autoklav bis 143 °C (3 bar)  
Of plastic material, can be sterilized in an autoclave up to 143 °C (3 bar)

BM



BM924R

280 mm, 11"



KIRSCHNER

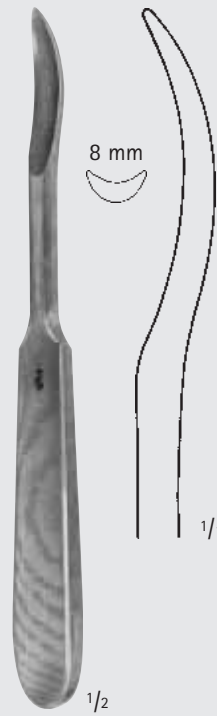
BM925R

255 mm, 10"



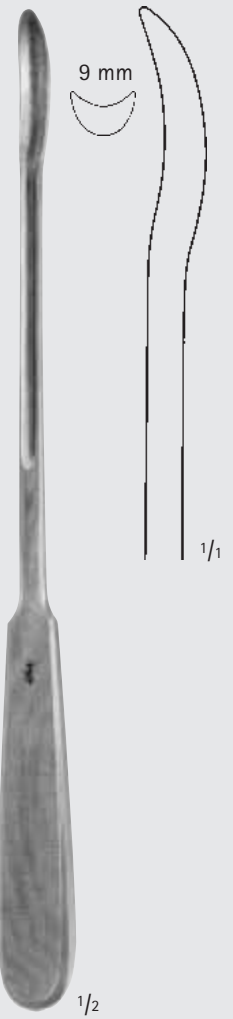
BM938

240 mm, 9 1/2"



BM940

185 mm, 7 1/4"



BM941

265 mm, 10 1/2"



## Nadelhalter – Needle Holders

Instrumente zur Naht  
Suture Instruments

BM



**BM950R**

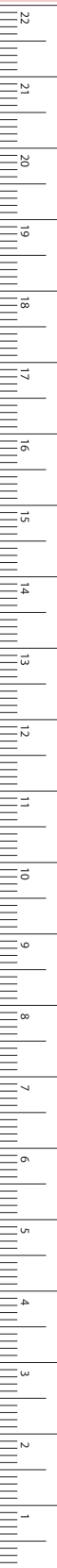
Fadengabel  
Knot tier and Ligature adjuster  
230 mm, 9"



**CASPAR**

**FF309**

Fadengabel  
Knot tier and Ligature adjuster  
230 mm, 9"



MILLIMETERS



INCHES

BN



Sonden, Watteträger, Wundklammern  
Probes, Cotton Applicators, Suture Clips

# Sonden – Probes

Sonden  
Probes

BN



**BN003R** 130 mm, 5 1/8"

**BN004R** 145 mm, 5 3/4"

**BN006R** 160 mm, 6 1/4"

Hohlsonden  
Directors



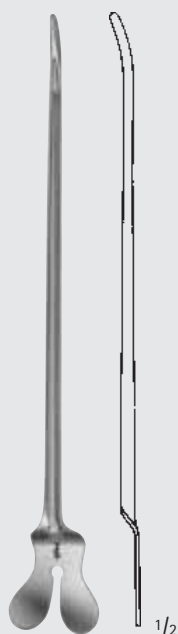
**DOYEN**

**BN010R**

Hohlsonde

Director

145 mm, 5 3/4"



**NELATON**

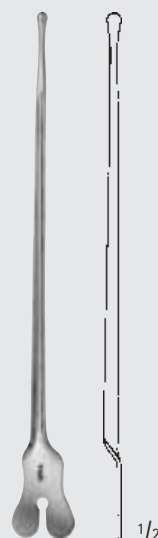
**BN012R**

Hohlsonde

Director

160 mm, 6 1/4"

Knopf-Ø 3,3 mm  
Diam. of tip 3.3 mm



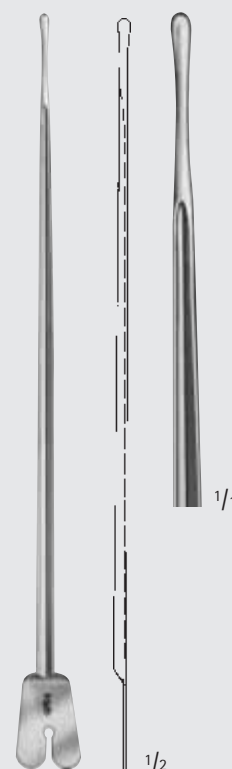
**BN015R**

Hohlsonde mit Knopf

Director with tip

140 mm, 5 1/2"

Knopf-Ø 3,5 mm  
Diam. of tip 3.5 mm



**BRODIE**

**BN020R**

Hohlsonde mit Knopf

Director with tip

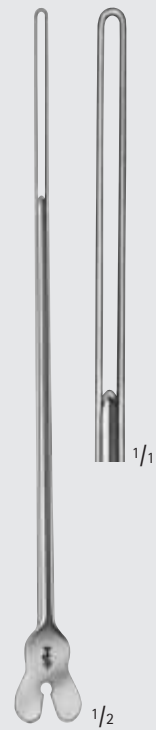
200 mm, 8"





Sonden – Probes  
Sonden  
Probes

BN



MILLIMETERS

LOCKHART-MUMMERY

BN021R	Nr. 1 gerade	No. 1 straight
BN022R	Nr. 2 45° gebogen	No. 2 45° curved
BN023R	Nr. 3 90° gebogen	No. 3 90° curved
BN024R	Nr. 4 retrograd gebogen	No. 4 retrograde curved

Fistelsonden  
Fistula probes  
165 mm, 6 1/2"

BN026R

Ösenrinnensonde,  
biegsam  
Director with wire loop,  
malleable  
190 mm, 7 1/2"

## Sonden – Probes

Sonden

Probes

BN



Knopf-Ø  
Diam.  
of tip

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

**BN034R-BN040R**

Öhrsonden

Probes with eye



1/2

**MB603R**

125 mm, 5"

Knopf-Ø 1,5 mm  
Diam. of tip 1.5 mm



1/2

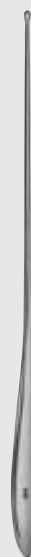
**BN054R**

Myrtenblattsonde

Myrtle leaf probe

145 mm, 5 3/4"

Knopf-Ø 2,0 mm  
Diam. of tip 2.0 mm



**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"

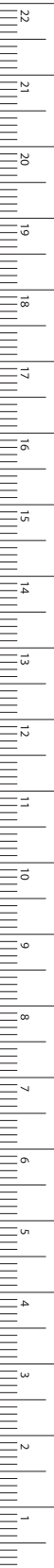
Myrtenblattsonden

Myrtle leaf probes



Sonden – Probes  
Sonden  
Probes

BN



MILLIMETERS



Knopf-Ø Diam. of tip			Länge Length
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"

BN104R-BN150R

Knopfsonden  
Probes

Knopf-Ø 1,2 mm  
Diam. of tip 1.2 mm

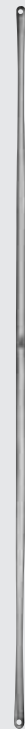


1/2

BN110

Sinus-Knopfsonde  
Sinus probe  
150 mm, 6"

Knopf-Ø 3,0 mm  
Diam. of tip 3.0 mm



1/2

BN090R

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

## Sonden – Probes

Sonden  
Probes

BN



Knopf-Ø 3,5 mm  
Diam. of tip 3.5 mm



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

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

Knopf-Ø 4,0 mm  
Diam. of tip 4.0 mm



1/2

**BN099**

Doppelknopfsonde,  
Zinn, biegsam  
Double ended probe,  
tin, malleable  
400 mm, 16"

Knopf-Ø 2,0 mm  
Diam. of tip 2.0 mm



1/2

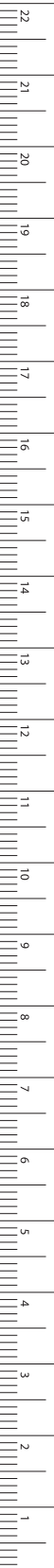
**BN101R**

Knopfsonde  
Probe  
300 mm, 12"



Sonden – Probes  
Sonden  
Probes

BN



MILLIMETERS

Ø 0,8 mm  
Diam. 0.8 mm



STACKE

**BN160**

Silber  
silver  
100 mm, 4"



CAWTHORNE

**BN161**

flaches Ende  
Silber  
flattened end  
silver  
140 mm, 5 1/2"

Ø 1,5 mm  
Diam. 1.5 mm



KILLIAN

**BN172R**

165 mm, 6 1/2"

Ø 1,4 mm  
Diam. 1.4 mm



**BN170R**

160 mm, 6 1/4"

Ø 1,0 mm  
Diam. 1.0 mm



SEIFFERT

**OM488**

Silber  
silver  
195 mm, 7 3/4"



BOWMAN

**OB510-OB514**

Neusilber  
German silver  
130 mm, 5 1/8"

Ø  
Diam.

OB510	0,7 + 0,8 mm	Fig. 00/0
OB511	0,9 + 1,1 mm	Fig. 1/2
OB512	1,3 + 1,4 mm	Fig. 3/4
OB513	1,5 + 1,6 mm	Fig. 5/6
OB514	1,8 + 1,9 mm	Fig. 7/8

**Sonden – Probes**  
 Spatel – Watteträger  
 Spatulas – Cotton Applicators

**BN**



1/2

**BN184R**

Spatel  
 Spatula  
 145 mm, 5 3/4"



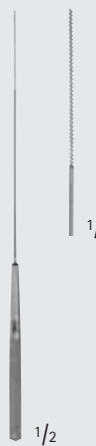
16 mm

1/2

**OM202R**

Spatel  
 Spatula  
 145 mm, 5 3/4"

Ø 0,7 mm  
 Diam. 0.7 mm



1/1

1/2

**MODELL PICCOLO**

**OF261R**

rund gerieft  
 round serrated end  
 110 mm, 4 1/2"

Ø 0,7 mm  
 Diam. 0.7 mm



1/1

1/2

**MODELL PICCOLO**

**OF262R**

dreikant gerieft  
 triangular serrated end  
 110 mm, 4 1/2"

Ø 1,2 mm  
 Diam. 1.2 mm



1/1

1/2

**FARRELL**

**OF257R**

rund gerieft  
 round serrated end  
 110 mm, 4 1/2"

Ø 1,4 mm  
 Diam. 1.4 mm



1/1

1/2

**LATHBURY-FARRELL**

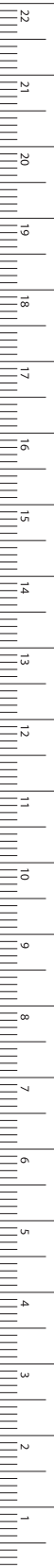
**OF259R**

dreikant gerieft  
 triangular serrated end  
 110 mm, 4 1/2"



Sonden – Probes  
Watteträger  
Cotton Applicators

BN



MILLIMETERS

Ø 0,9 mm  
Diam. 0.9 mm

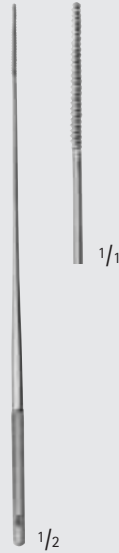


BUCK

**BN400R**

spiralförmig gerieft  
rough, spiral end  
120 mm, 4 3/4"

Ø 0,9 mm  
Diam. 0.9 mm



LATHBURY-FARRELL

**BN467R**

dreikant gerieft  
triangular serrated end  
140 mm, 5 1/2"



KINGS' COLLEGE HOSPITAL

**BN403**

spiralförmig gerieft  
rough, spiral end  
90 mm, 3 3/8"



KINGS' COLLEGE HOSPITAL

**BN404**

spiralförmig gerieft  
rough, spiral end  
135 mm, 5 1/8"

Ø 1,0 mm  
Diam. 1.0 mm



**BN440R**

spiralförmig gerieft  
rough, spiral end  
140 mm, 5 1/2"

Ø 1,2 mm  
Diam. 1.2 mm



**BN445R**

spiralförmig gerieft  
rough, spiral end  
140 mm, 5 1/2"

**Sonden – Probes**  
 Watteträger  
 Cotton Applicators

**BN**



Ø 1,2 mm  
 Diam. 1.2 mm

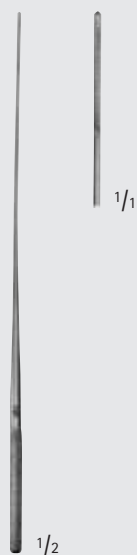


FARRELL

**BN460R**

rund gerieft  
 round serrated end  
 140 mm, 5 1/2"

Ø 1,4 mm  
 Diam. 1.4 mm

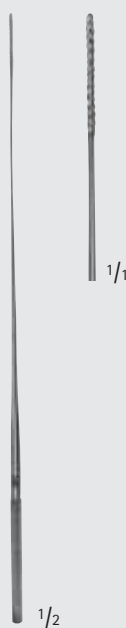


LATHBURY-FARRELL

**BN465R**

dreikant gerieft  
 triangular serrated end  
 140 mm, 5 1/2"

Ø 1,2 mm  
 Diam. 1.2 mm



FARRELL

**BN461R**

spiralförmig gerieft  
 rough, spiral end  
 160 mm, 6 1/4"

Ø 1,2 mm  
 Diam. 1.2 mm



LATHBURY-FARRELL

**BN466R**

dreikant gerieft  
 triangular serrated end  
 160 mm, 6 1/4"

Ø 1,4 mm  
 Diam. 1.4 mm



LATHBURY-FARRELL

**BN468R**

dreikant gerieft  
 triangular serrated end  
 160 mm, 6 1/4"





Sonden – Probes  
Watteträger  
Cotton Applicators

BN

Ø 1,5 mm  
Diam. 1.5 mm



**BN452R**

spiralförmig gerieft  
rough, spiral end  
180 mm, 7"

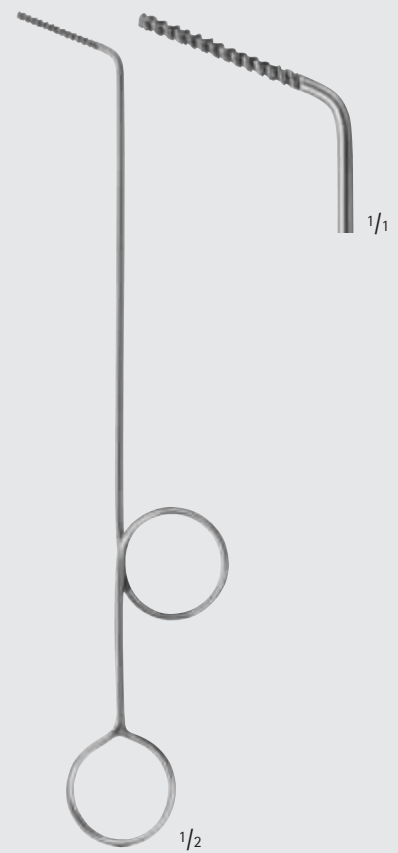
Ø 1,8 mm  
Diam. 1.8 mm



**BN457R**

spiralförmig gerieft  
rough, spiral end  
180 mm, 7"

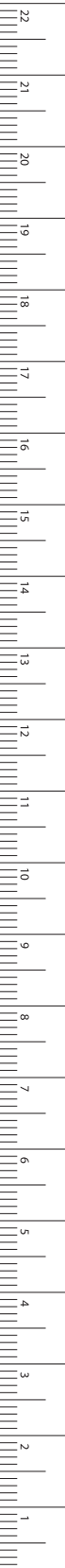
Ø 2,3 mm  
Diam. 2.3 mm



**HARTMANN**

**OM487R**

spiralförmig gerieft  
rough, spiral end  
220 mm, 8 1/2"



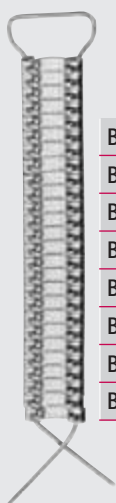
MILLIMETERS

## Sonden – Probes

Wundklammern – Klammeranlegepinzetten – Klammeranlege- und Entfernungszangen

Suture Clips – Clip Applying Forceps – Clip Applying- and Removing Forceps

BN



Größe mm  
Sizes mm

BN507R	7,5 x 1,75
BN511R	11,0 x 2,0
BN512R	12,0 x 2,5
BN515R	14,0 x 3,0
BN516R	16,0 x 3,0
BN518R	18,0 x 3,0
BN520R	20,0 x 3,0
BN522R	22,0 x 3,0



1/1



1/1

MICHEL

**BN507R-BN522R**

Wundklammern aus nichtrostendem Stahl  
Bestelleinheit: PAK = 1 Packung à 100 Stück  
Suture clips, stainless steel  
Sales unit: PAK = 1 Package of 100 pieces



1/2

MICHEL

**BN730R**

Klammeranlegepinzette  
Clip applying forceps  
125 mm, 5"



1/2

HEGENBARTH

**BN731R**

Klammeranlegepinzette  
Clip applying forceps  
120 mm, 4 3/4"



1/2

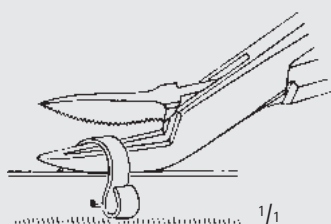
MICHEL

**BN750R**

Klammeranlege und  
-Abnehmzange  
Clip applying and  
removing forceps  
125 mm, 5"



1/2



1/1

MICHEL MODIF.

**BN754R**

Klammeranlege und -Abnehmzange  
Clip applying and removing forceps  
130 mm, 5 1/8"



1/2

HEATH

**BN757R**

Klammerabnehmzange  
Clip removing forceps  
135 mm, 5 1/4"



1/2

COLLIN

**BN758R**

Klammerabnehmzange  
Clip removing forceps  
135 mm, 5 1/4"



Sonden – Probes  
REDON-Führungsnadeln  
REDON-Guide Needles

BN



1/2



1/2



1/2



1/2

Charr.

- 8 [BN902R](#)
- 10 [BN903R](#)
- 12 [BN904R](#)
- 14 [BN905R](#)
- 16 [BN906R](#)
- 18 [BN907R](#)

mit Gewindeanschluss  
Messerspitze,  
schwach gebogen  
with thread  
knife tip, slightly curved  
190 mm, 7 1/2"

- [BN912R](#)
- [BN913R](#)
- [BN914R](#)
- [BN915R](#)
- [BN916R](#)
- [BN917R](#)

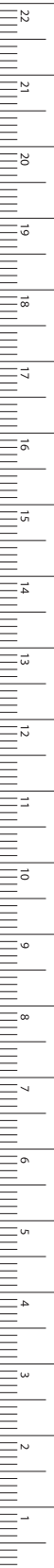
mit Gewindeanschluss  
Messerspitze,  
stark gebogen  
with thread  
knife tip, strongly curved  
190 mm, 7 1/2"

- [BN922R](#)
- [BN923R](#)
- [BN924R](#)
- [BN925R](#)
- [BN926R](#)

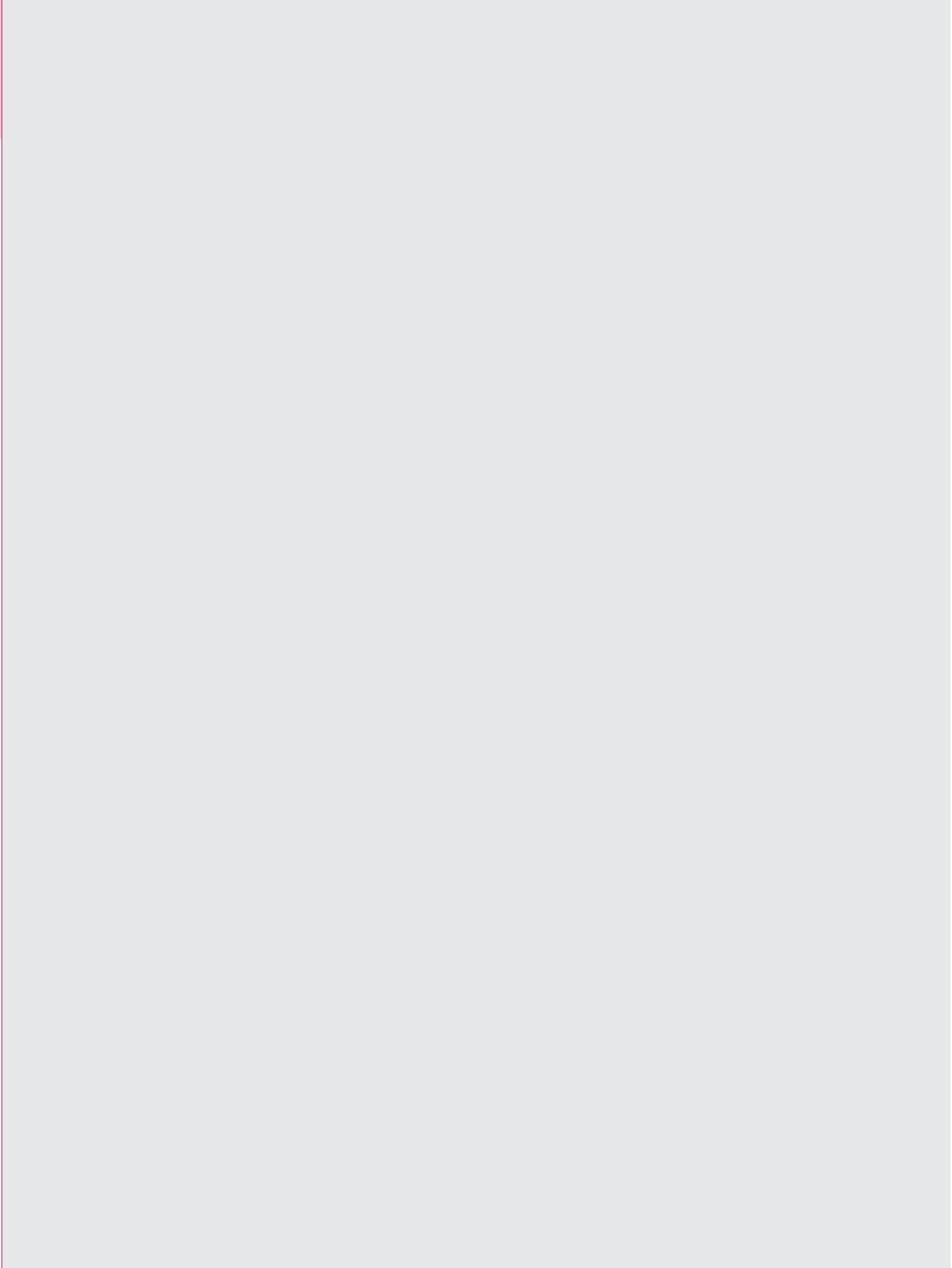
mit Gewindeanschluss  
Lanzettenspitze,  
schwach gebogen  
with thread  
lancet tip, slightly curved  
190 mm, 7 1/2"

- [BN942R](#)
- [BN943R](#)
- [BN944R](#)
- [BN945R](#)
- [BN946R](#)
- [BN947R](#)

mit Gewindeanschluss  
Dreikantspitze,  
schwach gebogen  
with thread  
trocar tip, slightly curved  
190 mm, 7 1/2"



MILLIMETERS



BT



Wundhaken

Wound Retractors

## Wundhaken – Wound Retractors

Nerv- und Gefäßhäkchen

Nerve- and Vessel Hooks

Maßangaben für Blattgrößen der Wundhaken

1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width

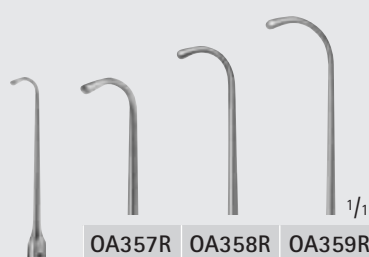


OF282R OF283R OF284R OF285R 1/1

WAGENER

OF282R-OF285R

150 mm, 6"



OA357R OA358R OA359R 1/1

GRAEFE

OA357R-OA359R

140 mm, 5 1/2"



1/1

ST. BARTS

OF288R

Ohrhäkchen, stumpf  
Hook, blunt  
180 mm, 7"

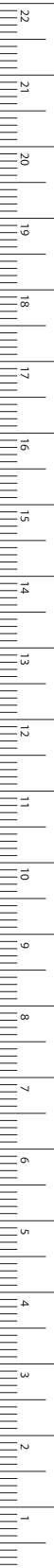




## Wundhaken – Wound Retractors

Nerv- und Gefäßhäkchen  
Nerve- and Vessel Hooks

BT



MILLIMETERS



BROM

BT075R

Venenhäkchen  
Vein hook  
170 mm, 6 3/4"



CRILE

BT080R

200 mm, 8"



CUSHING

BT082R–BT083R

190 mm, 7 1/2"

## Wundhaken – Wound Retractors

Nerv- und Gefäßhäkchen

Nerve- and Vessel Hooks

Maßangaben für Blattgrößen der Wundhaken

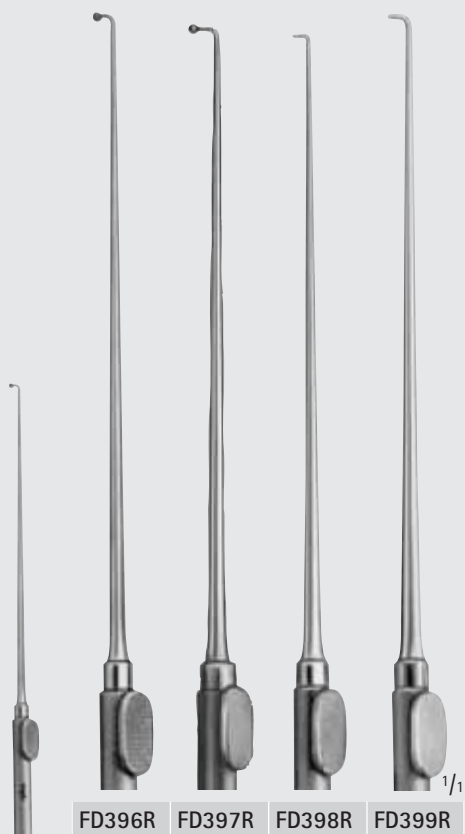
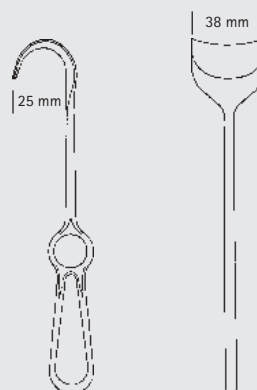
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width

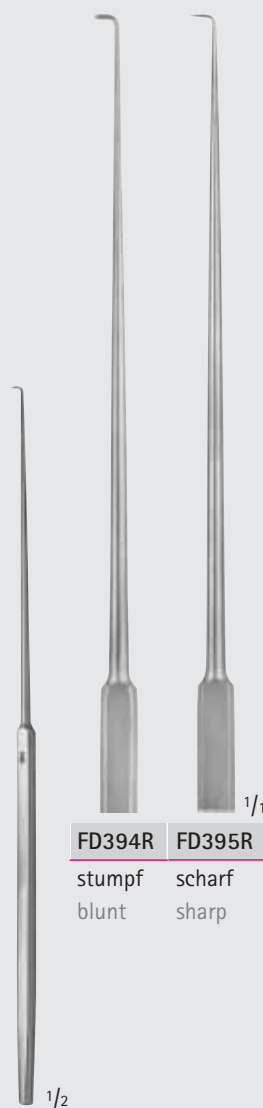


FD396R    FD397R    FD398R    FD399R<sup>1/1</sup>

<sup>1/2</sup>  
KRAYENBÜHL

FD396R–FD399R

185 mm, 7 1/4"



FD394R    FD395R<sup>1/1</sup>

stumpf    scharf  
blunt    sharp

<sup>1/2</sup>  
ADSON

FD394R–FD395R

190 mm, 7 1/2"



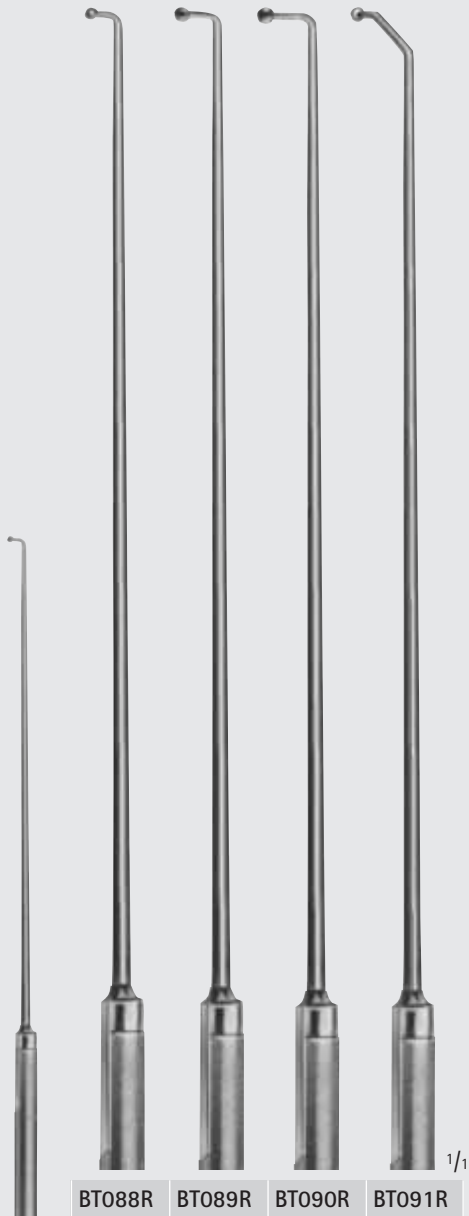




## Wundhaken – Wound Retractors

Nerv- und Gefäßhäkchen  
Nerve- and Vessel Hooks

BT



BT088R BT089R BT090R BT091R

1/1

1/2

CASPAR

BT088R-BT091R

Explorationshäkchen,  
geknöpft  
Exploration hooks,  
probe-ended  
245 mm, 9 3/4"



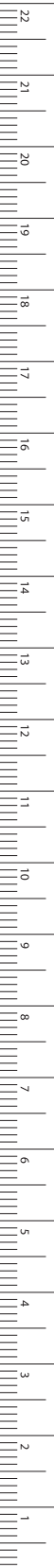
1/1

1/2

CUSHING

BT084R

280 mm, 11"



MILLIMETERS

## Wundhaken – Wound Retractors

Feine Wundhäkchen (Dura- und Hauthäkchen)

Fine Wound Retractors (Dura- and Skin Retractors)

Maßangaben für Blattgrößen der Wundhaken

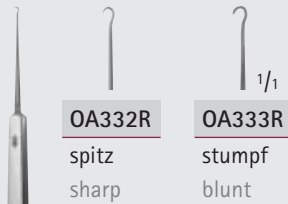
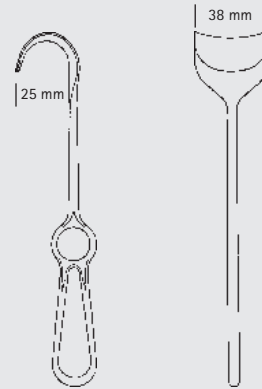
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



**OA332R**

spitz  
sharp

**OA333R**

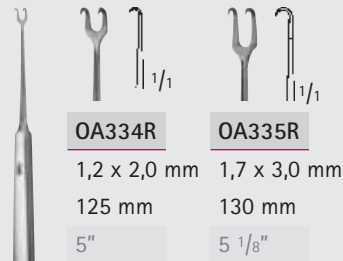
stumpf  
blunt

GRAEFE

**OA332R-OA333R**

125 mm, 5"

1/2



**OA334R**

1,2 x 2,0 mm  
125 mm  
5"

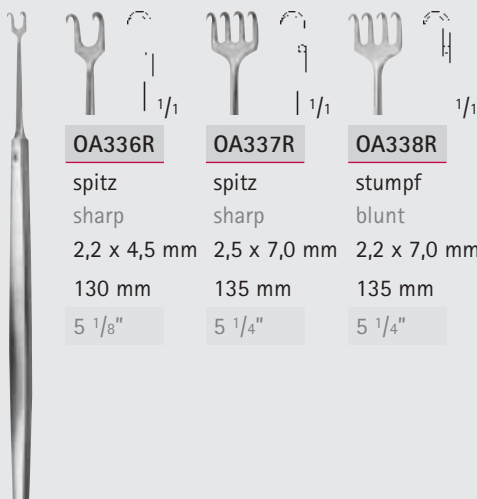
**OA335R**

1,7 x 3,0 mm  
130 mm  
5 1/8"

GUTHRIE

**OA334R-OA335R**

spitz  
sharp



**OA336R**

spitz  
sharp

2,2 x 4,5 mm  
130 mm  
5 1/8"

**OA337R**

spitz  
sharp

2,5 x 7,0 mm  
135 mm  
5 1/4"

**OA338R**

stumpf  
blunt

2,2 x 7,0 mm  
135 mm  
5 1/4"

ROLLET

**OA336R-OA338R**



CAIRNS

**FF313R**

Durahäkchen  
Dura retractor  
130 mm, 5 1/8"



FRAZIER

**FF321R**

Durahäkchen  
Dura retractor  
130 mm, 5 1/8"



TÖNNIS

**FF322R**

Durahäkchen  
Dura retractor  
150 mm, 6"



## Wundhaken – Wound Retractors

Feine Wundhäkchen (Dura- und Hauthäkchen)  
Fine Wound Retractors (Dura- and Skin Retractors)

BT



1/2

**KILNER**

**OL610R**

160 mm, 6 1/4"



1/2

**MC INDOE**

**OL615R-OL616R**

150 mm, 6"



1/2

**FREER**

**OL621R**

150 mm, 6"



1/2

**MÜLLER**

**OL626R**

150 mm, 6"



1/2

**MÜLLER**

**OL627R**

150 mm, 6"



1/2

**COTTLE**

**OL617R**

160 mm, 6 1/4"

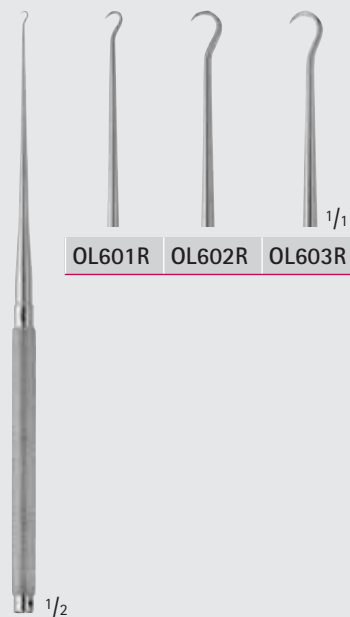


1/2

**COTTLE**

**OL619R**

160 mm, 6 1/4"

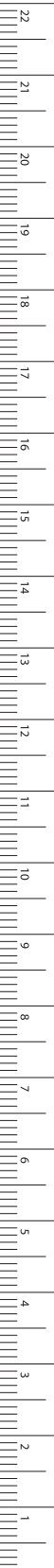


1/2

**KLEINERT-KUTZ**

**OL601R-OL603R**

160 mm, 6 3/8"



MILLIMETERS

## Wundhaken – Wound Retractors

Feine Wundhäkchen (Dura- und Hauthäkchen)

Fine Wound Retractors (Dura- and Skin Retractors)

Maßangaben für Blattgrößen der Wundhaken

1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

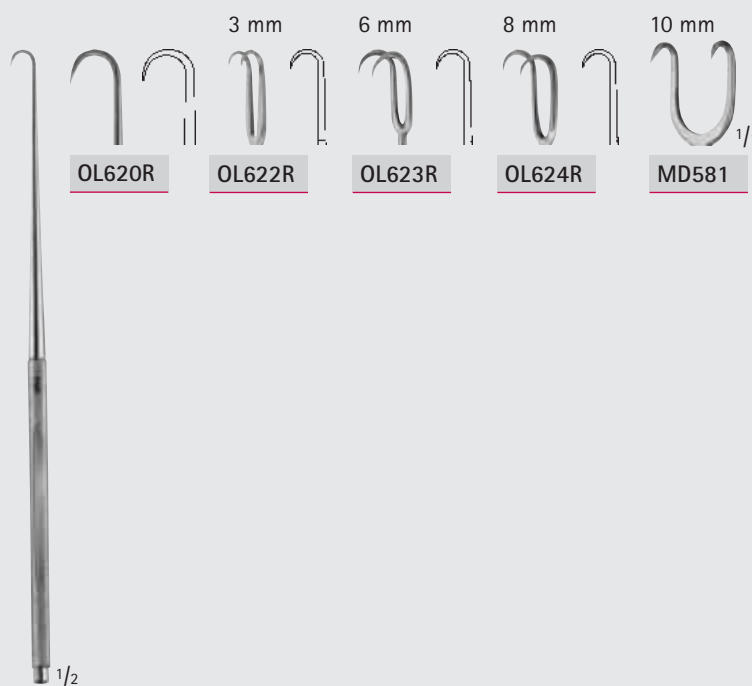
2nd number = width



JÄGER

OA351R

135 mm, 5 1/4"



JOSEPH

OL620R-MD581R

165 mm, 6 1/2"



GILLIES

OL611R-OL612R

180 mm, 7"



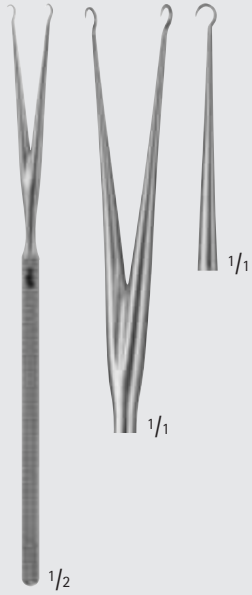


## Wundhaken – Wound Retractors

Feine Wundhäkchen (Dura- und Hauthäkchen)

Fine Wound Retractors (Dura- and Skin Retractors)

BT



BARSKY

OL614R

155 mm, 6"



FD375R

Durahäkchen  
Dura retractor  
185 mm, 7 1/4"



FISCH

FD376R

Durahäkchen  
Dura retractor  
185 mm, 7 1/4"



KILNER

OL206R

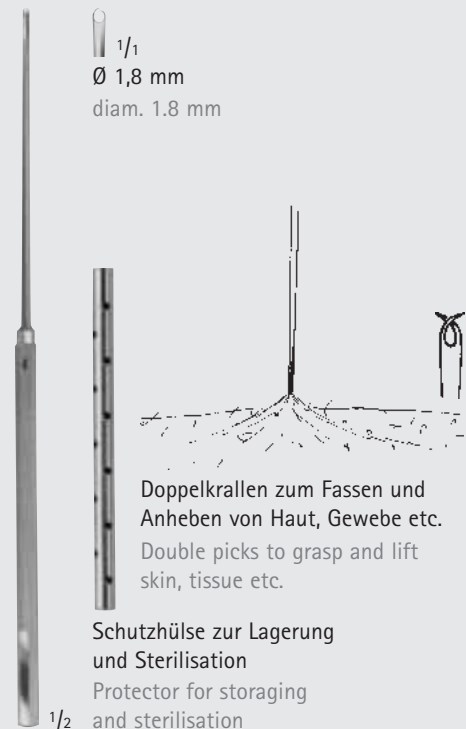
spitz  
sharp  
80 mm, 3 1/4"



CONVERSE

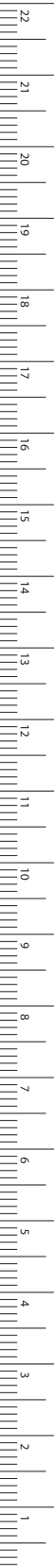
OL207R

stumpf  
blunt  
120 mm, 4 3/4"



FD392R

Gewebekralle  
Tissue pick  
185 mm, 7 1/4"



MILLIMETERS

# Wundhaken – Wound Retractors

Wund- und Trachealhäkchen

Wound- and Trachea Retractors

BT

Maßangaben für Blattgrößen der Wundhaken

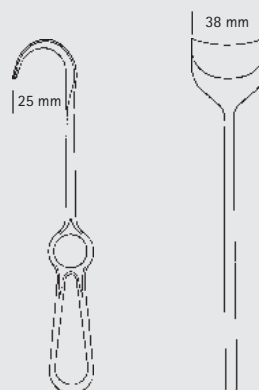
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



BERGMANN

**BT100R**

140 mm, 5 1/2"



BOSE

**FA025R**

165 mm, 6 1/2"



BOSE

**FA026R**

165 mm, 6 1/2"



**BT103R**

scharf  
sharp

**BT106R**

stumpf  
blunt

**BT107R**

stumpf  
blunt

**BT103R-BT107R**

180 mm, 7"

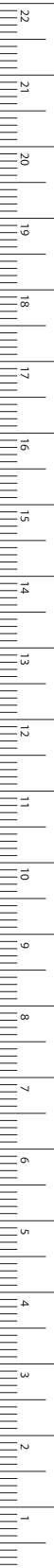


## Wundhaken – Wound Retractors

### Wund- und Trachealhäkchen

### Wound- and Trachea Retractors

BT



MILLIMETERS



**BT132R**

3,5 x 4,5 mm

**BT133R**

4,0 x 7,2 mm

**BT134R**

4,0 x 10,0 mm

<sup>1</sup>/<sub>2</sub>

**BT132R-BT134R**

flexibler Schaft, scharf  
flexible shaft, sharp  
155 mm, 6"



**BT136R**

4,0 x 4,5 mm

**BT137R**

4,0 x 7,5 mm

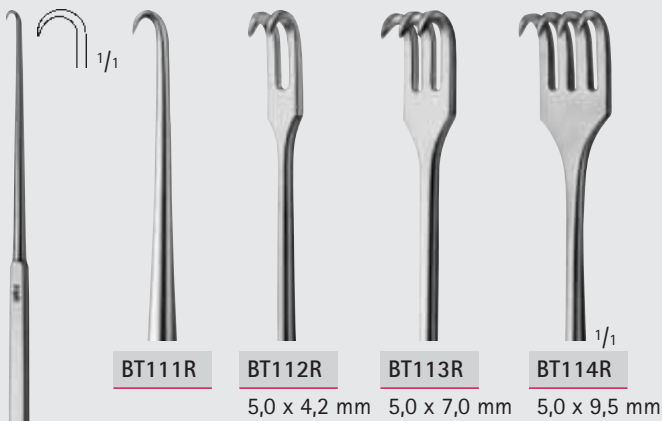
**BT138R**

4,0 x 10,2 mm

<sup>1</sup>/<sub>2</sub>

**BT136R-BT138R**

flexibler Schaft, stumpf  
flexible shaft, blunt  
155 mm, 6"



**BT111R**

**BT112R**

5,0 x 4,2 mm

**BT113R**

5,0 x 7,0 mm

**BT114R**

5,0 x 9,5 mm

<sup>1</sup>/<sub>2</sub>

**BT111R-BT114R**

enge Biegung, scharf  
small curve, sharp  
165 mm, 6 1/2"



**BT116R**

**BT117R**

4,5 x 4,2 mm

**BT118R**

4,5 x 7,0 mm

**BT119R**

4,5 x 9,5 mm

<sup>1</sup>/<sub>2</sub>

**BT116R-BT119R**

enge Biegung, stumpf  
small curve, blunt  
165 mm, 6 1/2"

## Wundhaken – Wound Retractors

Wund- und Trachealhäkchen

Wound- and Trachea Retractors

BT

Maßangaben für Blattgrößen der Wundhaken

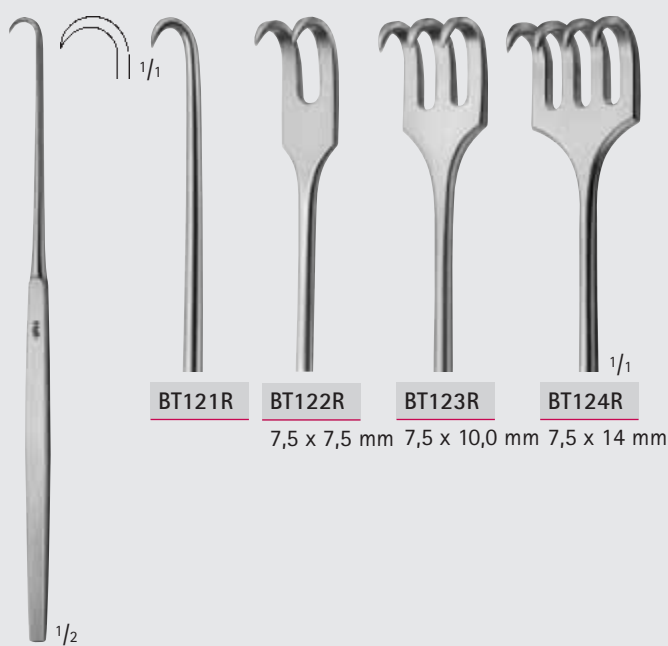
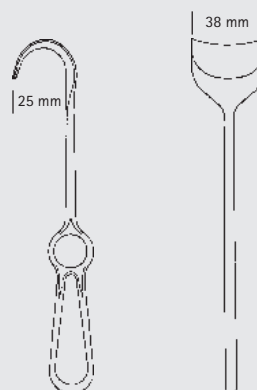
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



BT121R

BT122R

BT123R

BT124R

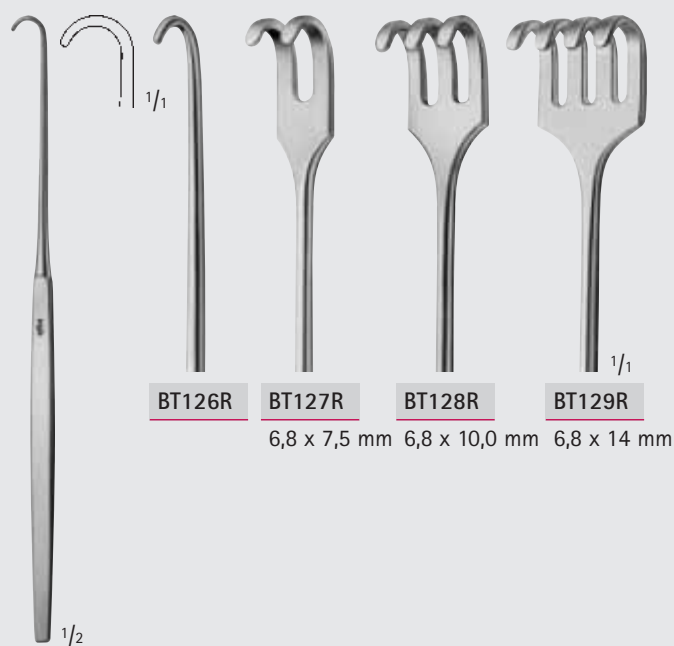
7,5 x 7,5 mm 7,5 x 10,0 mm 7,5 x 14 mm

BT121R-BT124R

weite Biegung, scharf

large curve, sharp

165 mm, 6 1/2"



BT126R

BT127R

BT128R

BT129R

6,8 x 7,5 mm 6,8 x 10,0 mm 6,8 x 14 mm

BT126R-BT129R

weite Biegung, stumpf

large curve, blunt

165 mm, 6 1/2"





## Wundhaken – Wound Retractors

### Wundhaken mit Treangle-Griff

### Retractors with Treangle Handle

**BT**



MILLIMETERS

**MANNERFELT MODIF.**

**BT901R**

scharf  
sharp

135 mm, 5 1/4"

**MANNERFELT MODIF.**

**BT902R**

scharf  
sharp

155 mm, 6"

**MANNERFELT MODIF.**

**BT904R**

scharf  
sharp

155 mm, 6"

**MANNERFELT MODIF.**

**BT906R-BT908R**

Gabelhaken, retrograd gebogen  
Forked hooks, retrograded curved

155 mm, 6"

**MANNERFELT MODIF.**

**BT911R-BT913R**

enge Biegung, scharf  
small curve, sharp

155 mm, 6"

**MANNERFELT MODIF.**

**BT916R-BT918R**

enge Biegung, stumpf  
small curve, blunt

155 mm, 6"

**MANNERFELT MODIF.**

**BT921R-BT923R**

weite Biegung, scharf  
large curve, sharp

155 mm, 6"

**MANNERFELT MODIF.**

**BT926R-BT928R**

weite Biegung, stumpf  
large curve, blunt

155 mm, 6"

## Wundhaken – Wound Retractors

### Wundhaken mit Treangle Griff

#### Retractors with Treangle Handle

Maßangaben für Blattgrößen der Wundhaken

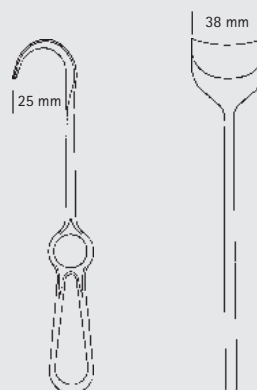
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



4,0 x 7,2 mm



1/2

MANNERFELT MODIF.

**BT933R**

flexibler Schaft,  
enge Biegung, scharf  
flexible shaft,  
small curve, sharp  
155 mm, 6"



16 x 6 mm



1/2

MANNERFELT MODIF.

**BT940R**

hohlgekehlt  
hollow grooved  
155 mm, 6"



**BT943R**

15 x 6 mm



**BT944R**

20 x 6 mm



**BT945R**

25 x 6 mm



**BT946R**

30 x 8 mm



1/2

LANGENBECK-MANNERFELT MODIF.

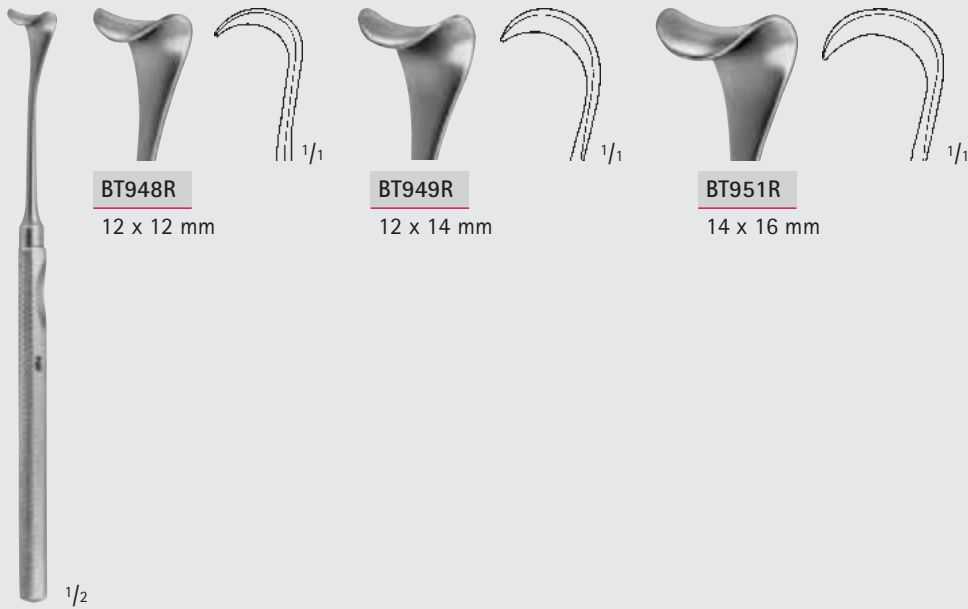
**BT943R-BT946R**

155 mm, 6"



**Wundhaken – Wound Retractors**  
 Wundhaken mit Treangle-Griff  
 Retractors with Treangle Handle

**BT**



**BT948R**

12 x 12 mm

**BT949R**

12 x 14 mm

**BT951R**

14 x 16 mm

MANNERFELT MODIF.

**BT948R-BT951R**

Sattelhaken  
 Saddle hooks  
 155 mm, 6"



12 x 12 mm

MANNERFELT MODIF.

**BT958R**

Sattelhaken, gefenstert  
 Saddle hook, fenestrated  
 155 mm, 6"



MANNERFELT MODIF.

**BT964R**

Sehnen-Doppelhaken  
 Tendon double hook  
 160 mm, 6 1/4"



MANNERFELT MODIF.

**BT966R**

Doppelspatel  
 Spatula, double-ended  
 160 mm, 6 1/4"

MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

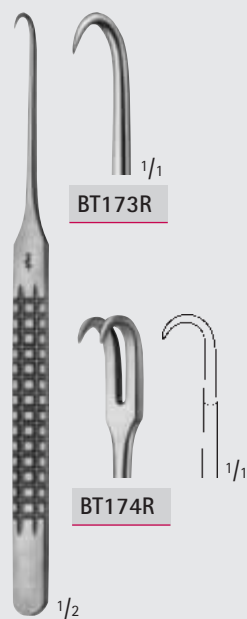
2nd number = width



FOMON

**OL202R**

145 mm, 5 3/4"



**BT173R**

**BT174R**

**BT173R-BT174R**

160 mm, 6 1/4"



**BT177R**

**BT178R**

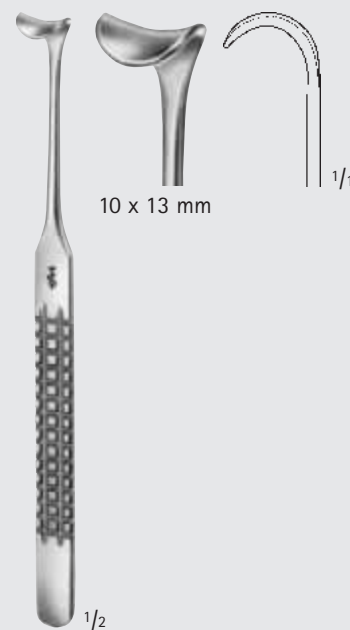
16 x 6 mm

24 x 6 mm

LANGENBECK-GREEN

**BT177R-BT178R**

160 mm, 6 1/4"



10 x 13 mm

**BT179R**

160 mm, 6 1/4"

BT





**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

**BT**

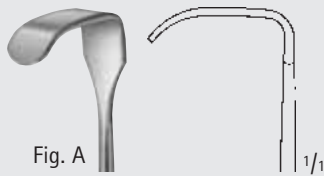
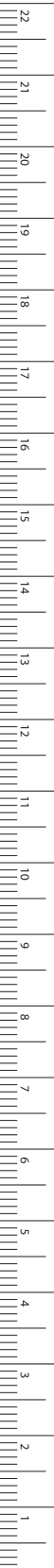


Fig. A

**BT193R**

18 x 7 mm

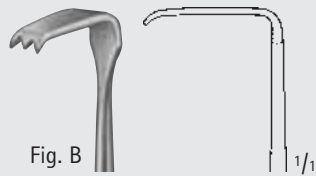


Fig. B

**BT194R**

16 x 5 mm

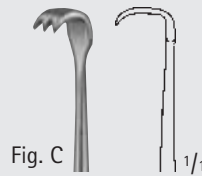


Fig. C

**BT195R**

7 x 4 mm



Fig. D

**BT196R**

5 x 10 mm



Fig. E

**BT197R**

11 x 4 mm

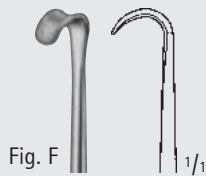


Fig. F

**BT198R**

6 x 4 mm



<sup>1/2</sup>

MEYERDING

**BT193R-BT198R**

Fig. A - Fig. F  
180 mm, 7"

MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                      Example: 25 x 38 mm

2nd number = width



BT



**EMMET**  
**BT161R**  
Fistelhaken  
Fistula hook  
220 mm, 8 3/4"

**SIMON**  
**BT166R**  
Fistelhaken  
Fistula hook

**SIMON**  
**BT167R**  
Fistelhaken  
Fistula hook  
220 mm, 8 3/4"

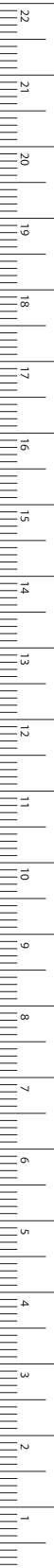
**LANGE**  
**OL201R**  
Fistelhaken  
Fistula hook  
235 mm, 9"



## Wundhaken – Wound Retractors

Wundhaken  
Wound Retractors

BT



MILLIMETERS

11 x 8 mm

1/2

**PAUL**

**OA340R**

Sehnenscheidenhaken  
Tendon hook  
120 mm, 4 3/4"

12 x 6 mm

1/1

**BT170R**

12 x 11 mm

1/1

**BT171R**

12 x 11 mm

1/2

**BT170R-BT171R**

Sehnenscheidenhaken  
Tendon hooks  
175 mm, 7"

15 x 11 mm

1/1

**KLAPP**

**BT172R**

Sehnenscheidenhaken  
Tendon hook  
175 mm, 7"

15 x 6 mm  
stumpf  
blunt

1/1

**BT180R**

15 x 6 mm  
gezahnt  
toothed

1/1

**BT181R**

180 mm, 7"

1/2

**STRANDELL-STILLE**

**BT180R-BT181R**

Sehnenscheidenhaken  
Tendon hooks

6 x 12 mm

1/1

**MASING**

**OL211R**

140 mm, 5 1/2"

10 x 12 mm

1/1

**COTTLE**

**OL212R**

140 mm, 5 1/2"

9 x 9 mm

1/1

**OA310R**

9 x 12 mm

1/1

**OA311R**

11 x 14 mm

1/1

**OA312R**

12 x 16 mm

1/1

**OA313R**

13 x 18 mm

1/1

**OA314R**

140 mm, 5 1/2"

1/2

**DESMARRES**

**OA310R-OA314R**

# Wundhaken – Wound Retractors

Wund- und Venenhaken

Wound- and Vein Retractors

BT

Maßangaben für Blattgrößen der Wundhaken

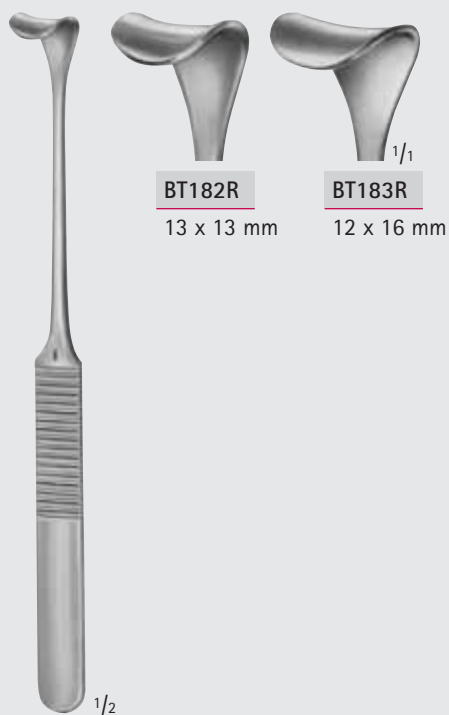
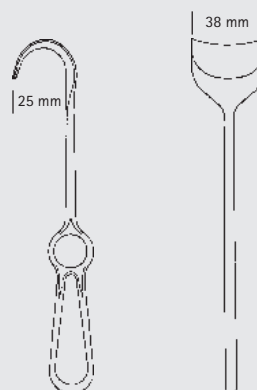
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



**BT182R**

13 x 13 mm

**BT183R**

12 x 16 mm

KÖNIG

**BT182R-BT183R**

180 mm, 7"



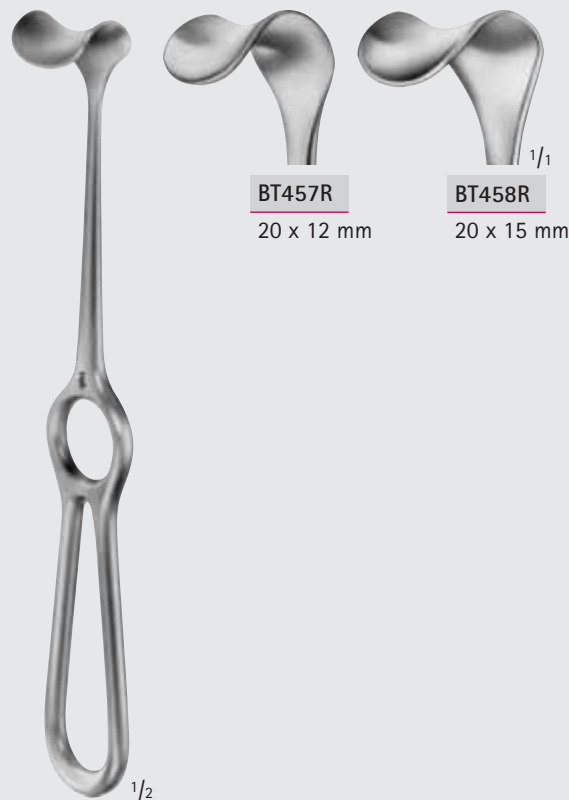
**BT190R**

10 x 10 mm

CUSHING-KOCHER

**BT190R**

175 mm, 7"



**BT457R**

20 x 12 mm

**BT458R**

20 x 15 mm

KOCHER

**BT457R-BT458R**

205 mm, 8"

INCHES





**Wundhaken – Wound Retractors**  
Wund- und Venenhaken  
Wound- and Vein Retractors

**BT**



MILLIMETERS

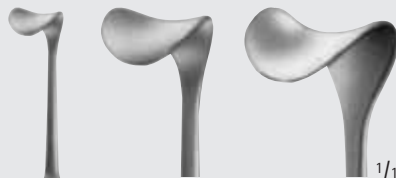


$\frac{1}{1}$   
13 x 6 mm

$\frac{1}{2}$   
**SCHOENBORN**

**BT192R**

200 mm, 8"



**BT184R**  
10 x 13 mm

$\frac{1}{1}$   
**BT185R**  
14 x 18 mm

$\frac{1}{2}$   
**CUSHING**

**BT184R-BT185R**

205 mm, 8"

20 x 15 mm

20 x 19 mm  
 $\frac{1}{2}$

**BT187R**

205 mm, 8"

## Wundhaken – Wound Retractors

Wund- und Venenhaken

Wound- and Vein Retractors

Maßangaben für Blattgrößen der Wundhaken

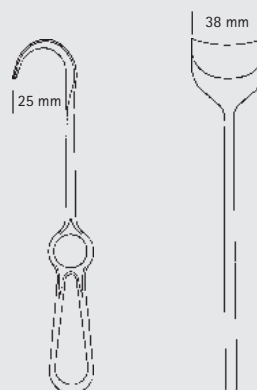
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

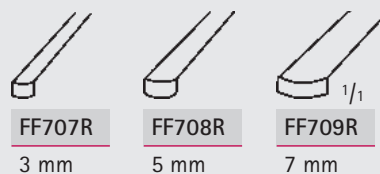
2nd number = width



CUSHING

**BT200R-BT202R**

250 mm, 10"



HESS

**FF707R-FF709R**

Nervwurzelnhaken  
Nerve root retractors  
175 mm, 7"

BT





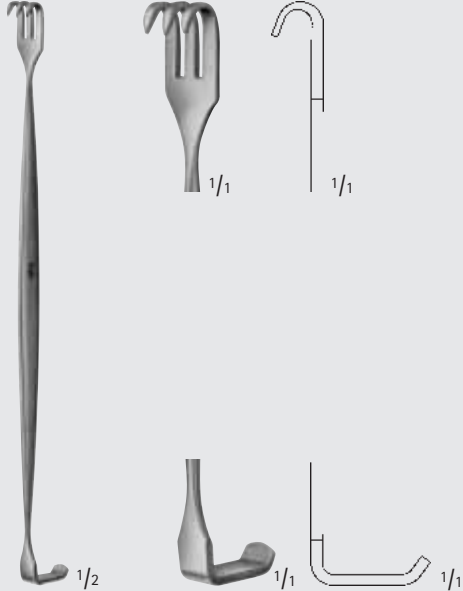
**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

**BT**



MILLIMETERS

5 x 10 mm

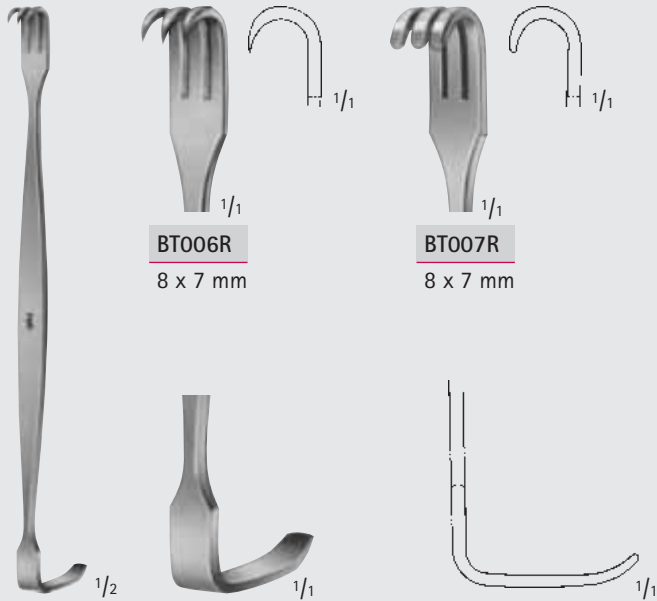


13 x 5 mm

KILNER

**BT005R**

155 mm, 6"



**BT006R**

8 x 7 mm

**BT007R**

8 x 7 mm

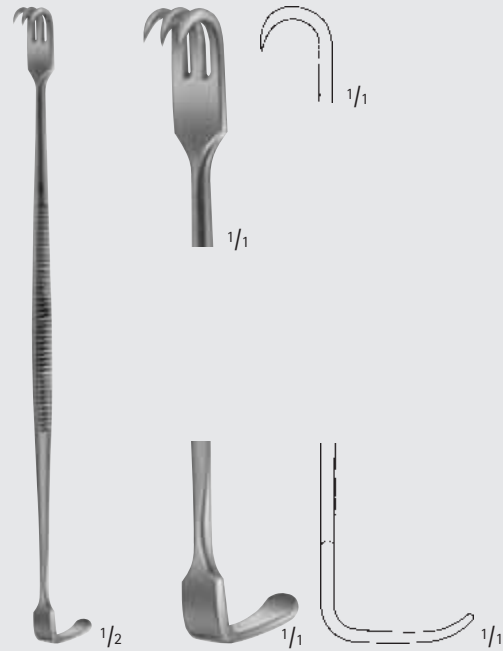
22 x 7 mm

BABY-SENN-MILLER

**BT006R-BT007R**

155 mm, 6"

8 x 7 mm



18 x 5,5 mm

SENN-MILLER

**BT008R**

165 mm, 6 1/2"

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

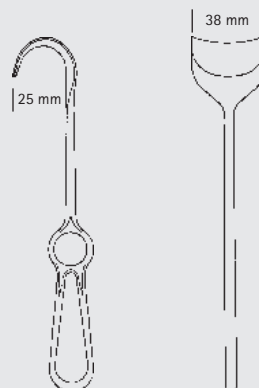
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

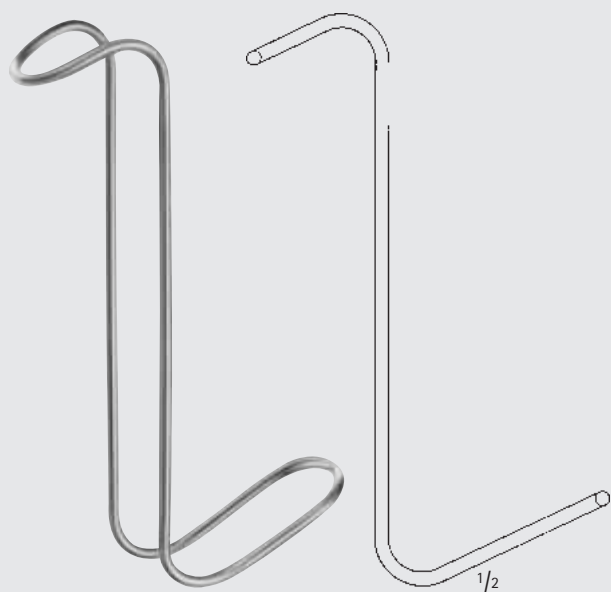
Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



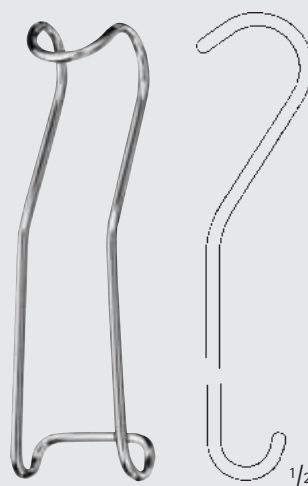
BT



COLLIN-HARTMANN

**BT001R**

150 mm, 6"



STERNBERG

OM251R	OM252R	OM253R
120 mm	130 mm	135 mm
4 1/4"	5"	5 1/4"



# Wundhaken – Wound Retractors

## Wundhaken Retractors

**BT**

10 x 8 mm

12 x 11 mm

**LUER**

**BT010R**

110 mm, 4 3/8"

10 x 12 mm

11 x 15 mm

**ROSE**

**BT011R**

130 mm, 5 1/8"

17 x 16 mm

18 x 22 mm

**BABY-ROUX**

**BT019R**

135 mm, 5 1/4"

22 x 15 mm  
18 x 15 mm

18 x 15 mm  
22 x 15 mm

**PARKER**

**BT025R**

135 mm, 5 1/4"

5 x 3 mm

14 x 6,3 mm

**RAGNELL**

**BT004R**

150 mm, 6"

11 x 4 mm

19 x 6 mm

**CRILE**

**BT012R**

110 mm, 4 3/8"

25 x 10 mm  
22 x 10 mm

28 x 12 mm  
32 x 12 mm

**FARABEU**

**BT020R**

125 mm, 5"

23 x 16 mm  
20 x 16 mm

24 x 16 mm  
28 x 16 mm

**FARABEU**

**BT021R**

150 mm, 6"



MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

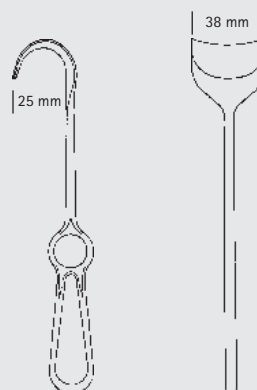
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



36 x 44 mm

30 x 24 mm



1/2

36 x 44 mm

30 x 24 mm

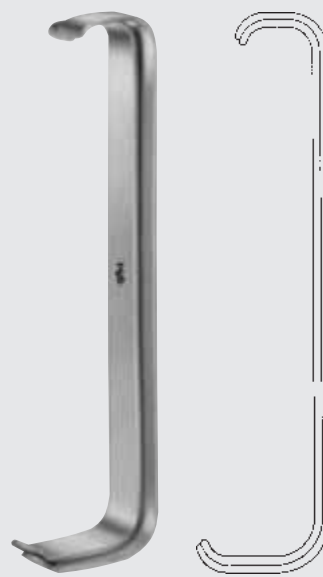
PARKER

**BT026R**

180 mm, 7"

21 x 14 mm

17 x 14 mm



1/2

28 x 16 mm

32 x 16 mm

COLLIN

**BT022R**

150 mm, 6"

BT

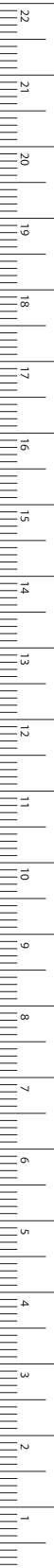




# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



MILLIMETERS



ROUX

BT030R-BT033R

Satz komplett  
bestehend aus:

Set complete,  
consisting of:

BT031R

BT032R

BT033R

165 mm, 6 1/2"

19 x 22 mm



23 x 30 mm

BT031R

25 x 26 mm



28 x 38 mm

BT032R

28 x 29 mm



33 x 45 mm

BT033R

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

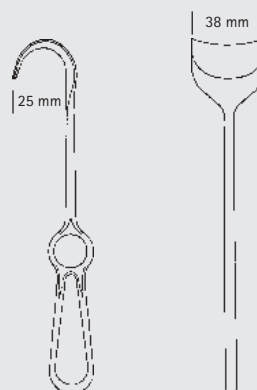
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

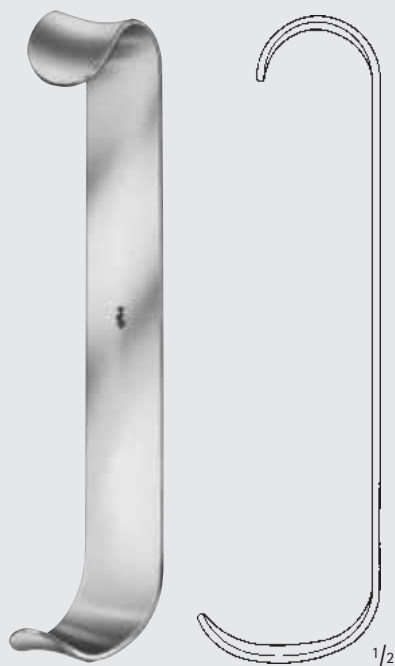
Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



28 x 24 mm



43 x 24 mm

ROUX

BT028R

170 mm, 6 3/4"

28 x 28 mm



46 x 28 mm

ROUX

BT029R

190 mm, 7 1/2"

BT



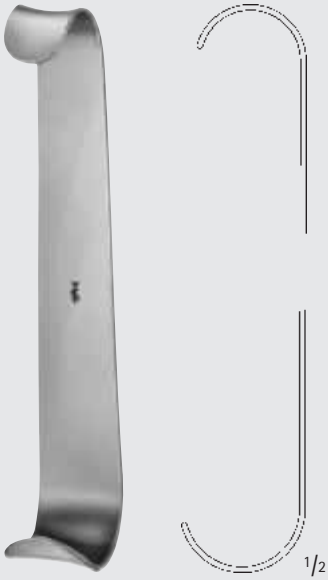




**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

**BT**

30 x 19 mm



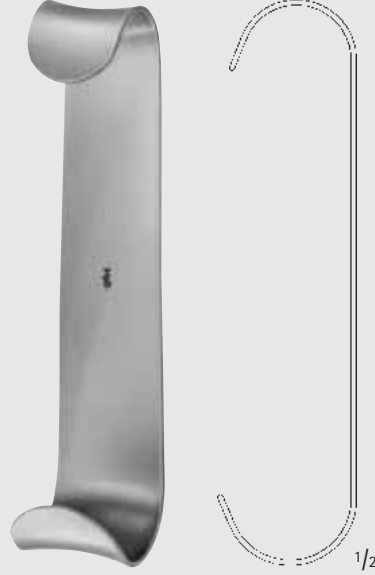
33 x 25 mm

KILNER

**OL219R**

150 mm, 6"

35 x 29 mm



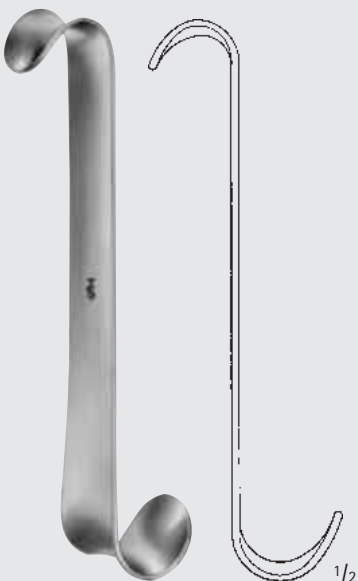
40 x 35 mm

KILNER

**OL220R**

150 mm, 6"

20 x 22 mm



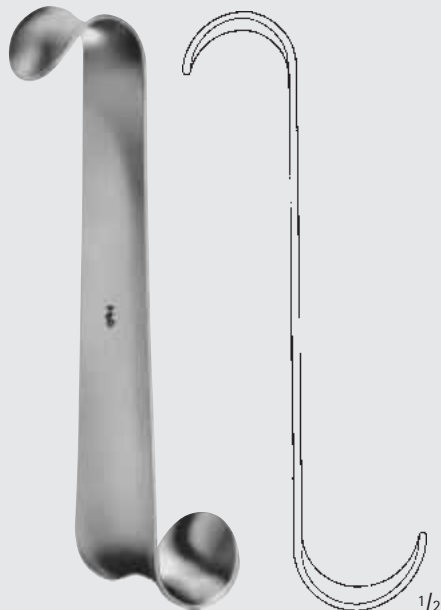
25 x 29 mm

ROUX

**BT034R**

150 mm, 6"

25 x 26 mm



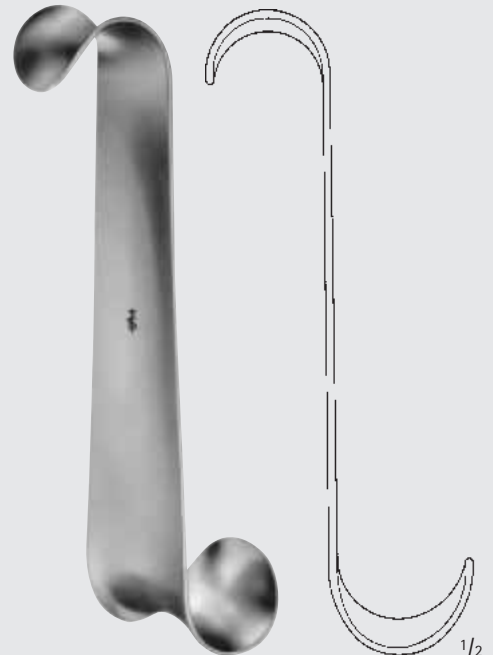
30 x 38 mm

ROUX

**BT035R**

160 mm, 6 1/4"

28 x 29 mm

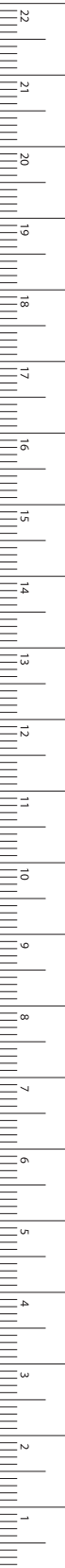


33 x 44 mm

ROUX

**BT036R**

170 mm, 6 3/4"



MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

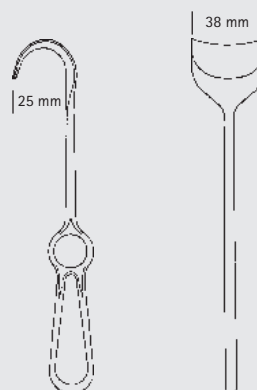
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

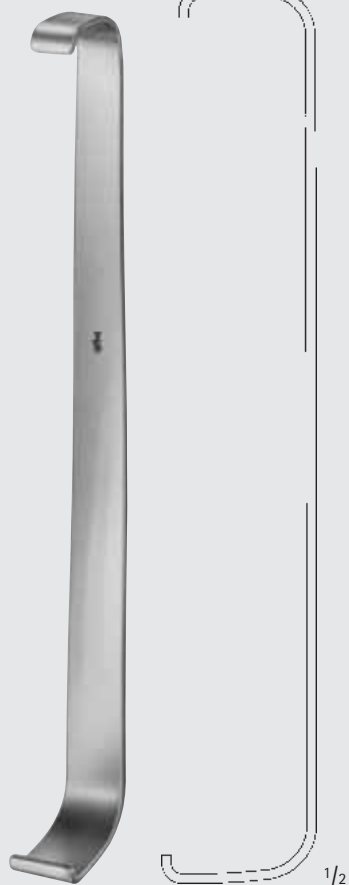
Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



30 x 13 mm



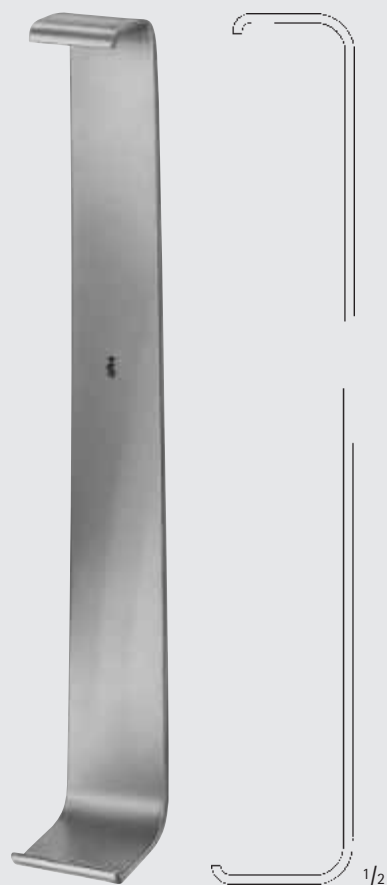
35 x 19 mm

LANE

**BT037R**

230 mm, 9"

30 x 25 mm



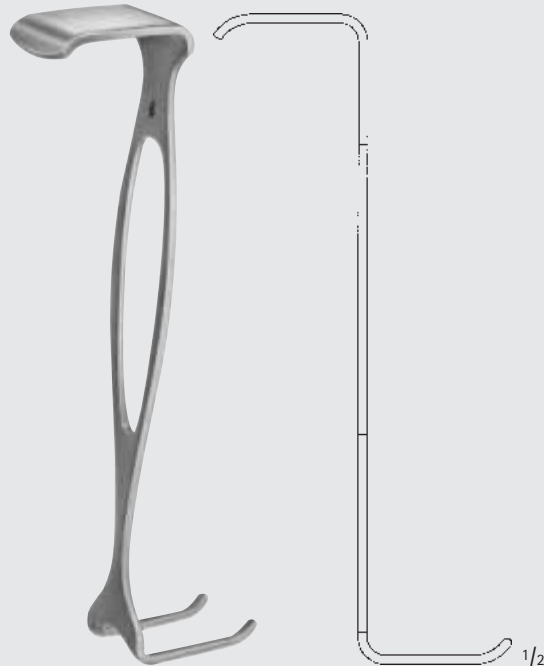
35 x 32 mm

LANE

**BT038R**

230 mm, 9"

38 x 22 mm



38 x 22 mm

CZERNY

**BT042R**

175 mm, 7"

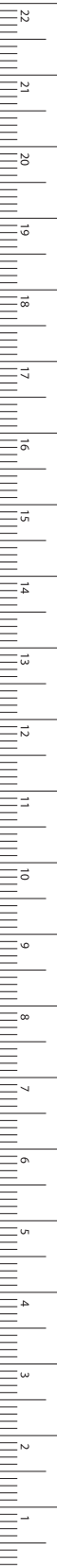
BT





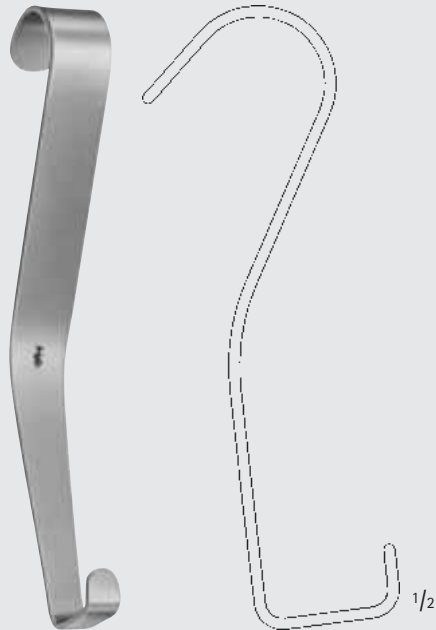
**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

**BT**



MILLIMETERS

30 x 18 mm



25 x 10 mm

**HAJEK**

**OL221R**

165 mm, 6 1/2"

47 x 13 mm  
41 x 13 mm



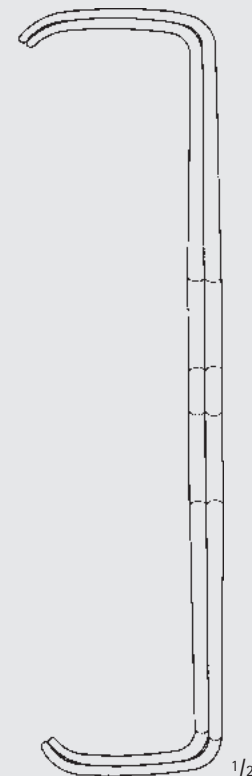
37 x 25 mm  
45 x 25 mm

**MATHIEU**

**BT040R**

200 mm, 8"

38 x 22 mm



38 x 22 mm

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

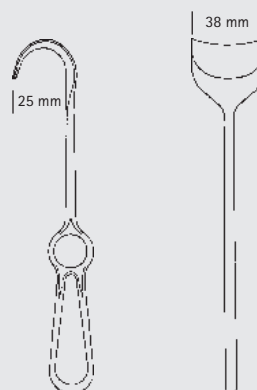
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

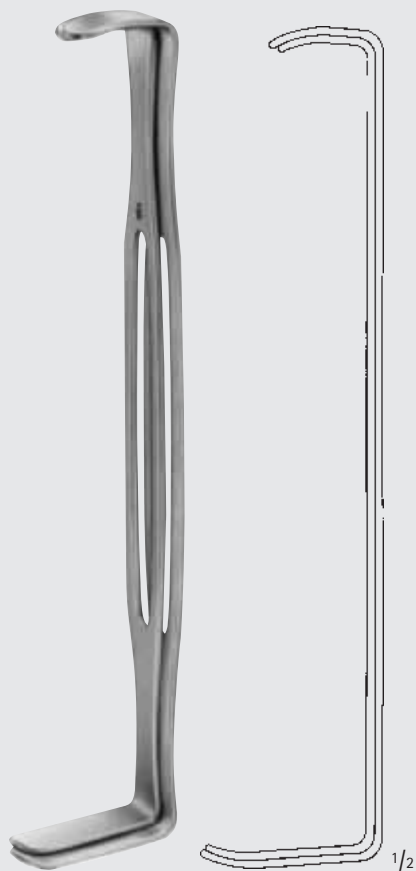
Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



26 x 15 mm  
22 x 15 mm



39 x 15 mm  
43 x 15 mm

US-ARMY

**BT041R**

220 mm, 8 3/4"



GOELET

**MD497**

190 mm, 7 1/2"



CANNY-RYALL

Blattbreite  
Blade width

**BT047R** 190 mm, 7 1/2" 16 mm

**BT048R** 190 mm, 7 1/2" 20 mm

**BT049R** 200 mm, 8" 25 mm

BT





**Wundhaken – Wound Retractors**  
Knochen- und Wundhaken  
Bone Retractors and Retractors

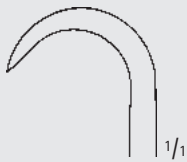
**BT**



**KOCHER**

**BT234R**

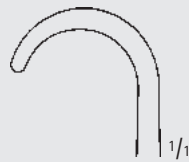
scharf  
sharp  
205 mm, 8"



**KOCHER**

**BT238R**

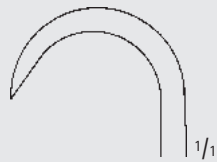
scharf  
sharp  
220 mm, 8 3/4"



**KOCHER**

**BT239R**

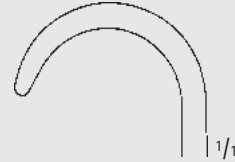
stumpf  
blunt  
220 mm, 8 3/4"



**VOLKMANN**

**BT240R**

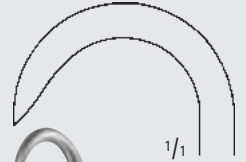
scharf  
sharp  
220 mm, 8 3/4"



**VOLKMANN**

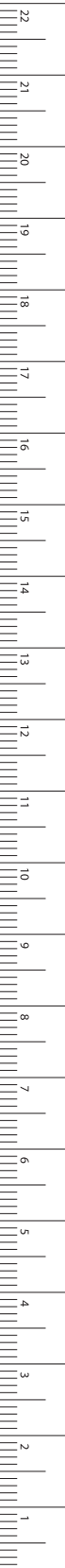
**BT241R**

stumpf  
blunt  
220 mm, 8 3/4"



**BT232R**

scharf  
sharp  
245 mm, 9 3/4"



MILLIMETERS

# Wundhaken – Wound Retractors

Knochen- und Wundhaken

Bone Retractors and Retractors

BT

Maßangaben für Blattgrößen der Wundhaken

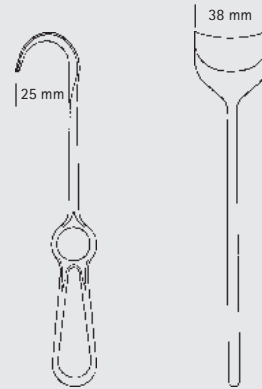
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



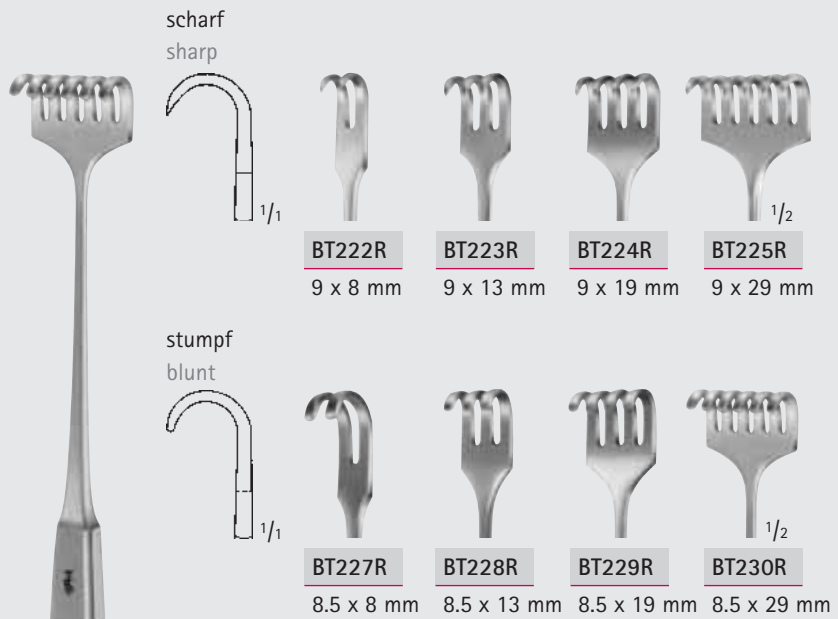
VOLKMANN

**BT221R**

scharf

sharp

220 mm, 8 3/4"



VOLKMANN

**BT222R–BT230R**

225 mm, 9"

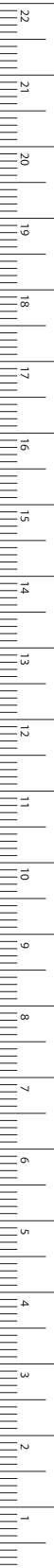




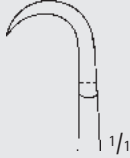
# Wundhaken – Wound Retractors

## Wundhaken Retractors

**BT**



scharf  
sharp



**BT242R**  
9 x 8 mm



**BT243R**  
9 x 13 mm



**BT244R**  
9 x 19 mm



**BT246R**  
9 x 29 mm



**BT248R**  
9 x 40 mm

stumpf  
blunt



**BT252R**  
8 x 8 mm



**BT253R**  
8 x 13 mm



**BT254R**  
8 x 19 mm



**BT256R**  
8 x 29 mm



**BT258R**  
8 x 40 mm

halbscharf  
semi-sharp



**BT257R**  
8.5 x 8 mm



**BT259R**  
8.5 x 13 mm



**BT260R**  
8.5 x 19 mm



**BT261R**  
8.5 x 29 mm



**BT265R**  
8,5 x 40 mm



1/2

**VOLKMANN**

**BT242R-BT265R**

220 mm, 8 3/4"

MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

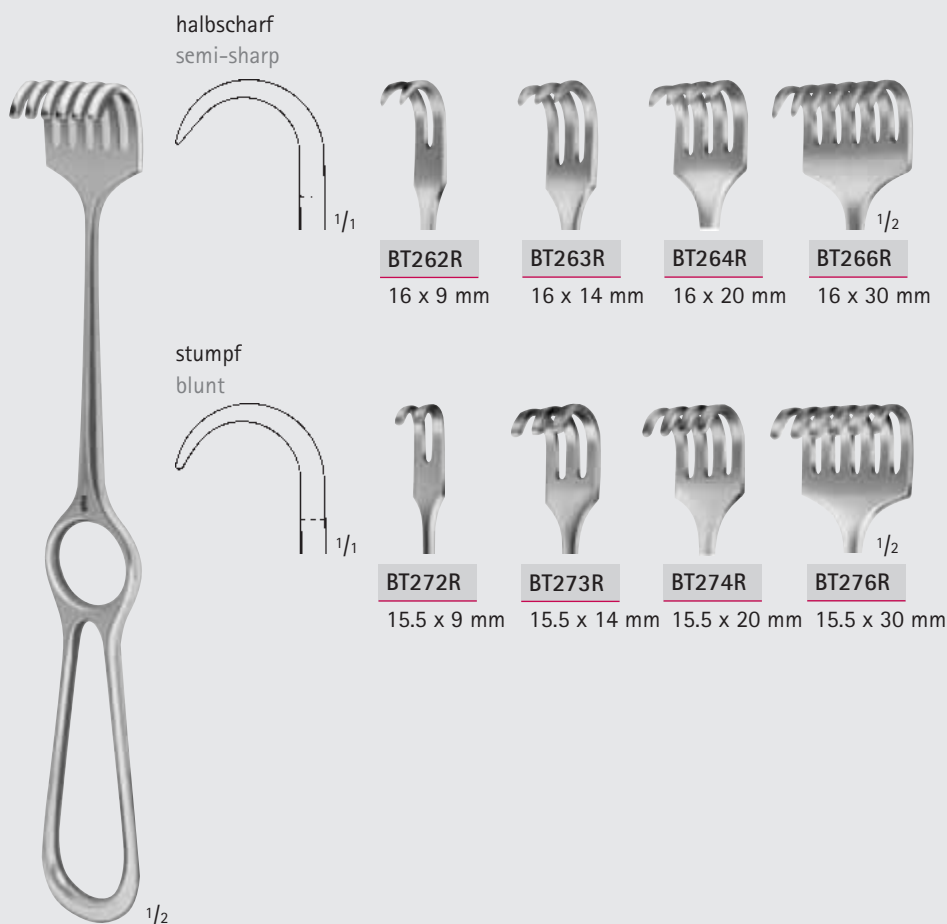
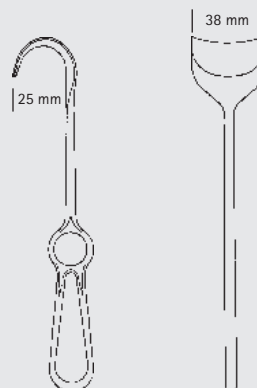
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



KOCHER

BT262R-BT276R

220 mm, 8 3/4"

BT







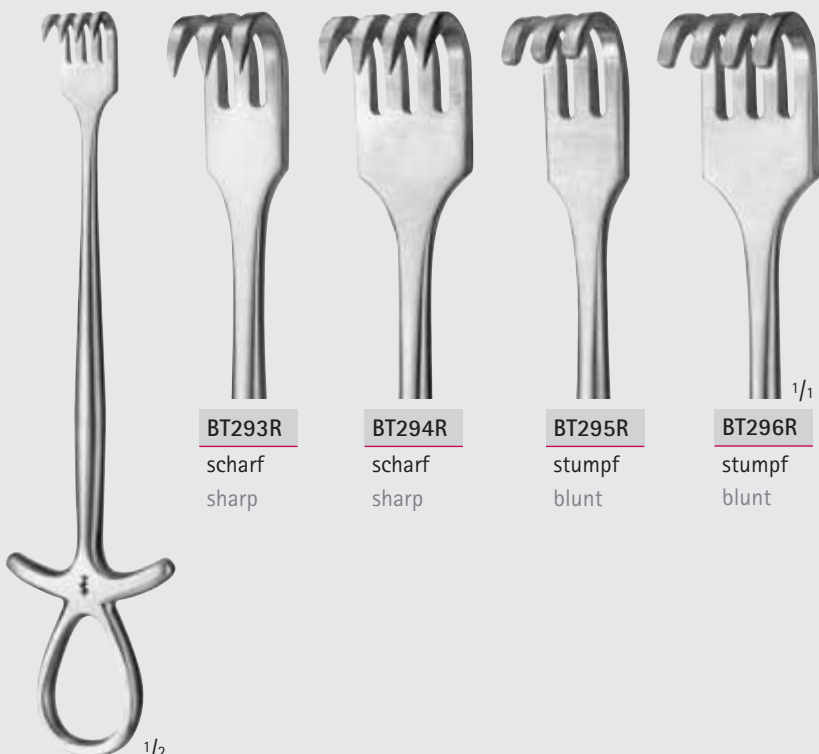
# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



MILLIMETERS



**BT293R**  
scharf  
sharp

**BT294R**  
scharf  
sharp

**BT295R**  
stumpf  
blunt

**BT296R**  
stumpf  
blunt

MURPHY

**BT293R-BT296R**  
195 mm, 7 3/4"

## Wundhaken – Wound Retractors

Wundhaken, tiefe Form

Retractors, Deep Form

Maßangaben für Blattgrößen der Wundhaken

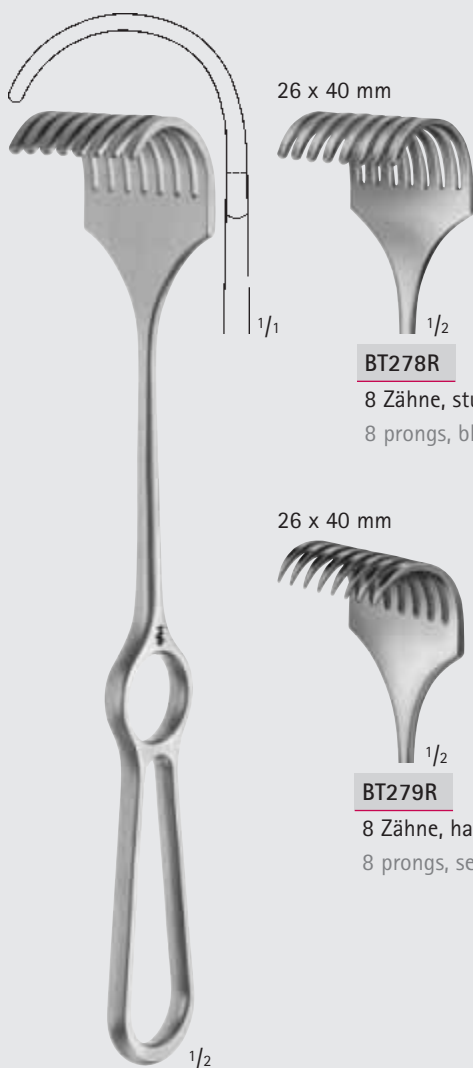
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



26 x 40 mm

1/1

1/2

**BT278R**

8 Zähne, stumpf  
8 prongs, blunt

26 x 40 mm

1/2

**BT279R**

8 Zähne, halbscharf  
8 prongs, semi-sharp

1/2

KÖRTE

**BT278R-BT279R**

Griff vertikal zum Blatt

Handle vertical to the blade

240 mm, 9 1/2"



45 x 55 mm

1/1

1/2

KÖRTE

**BT280R**

4 Zähne, stumpf

Griff vertikal zum Blatt

4 prongs, blunt

handle vertical to the blade

230 mm, 9"



28 x 40 mm

1/1

1/2

KÖRTE-WAGNER

**BT290R**

8 Zähne, halbscharf

8 prongs, semi-sharp

280 mm, 11"

BT





## Wundhaken – Wound Retractors

Wundhaken, tiefe Form  
Retractors, Deep Form

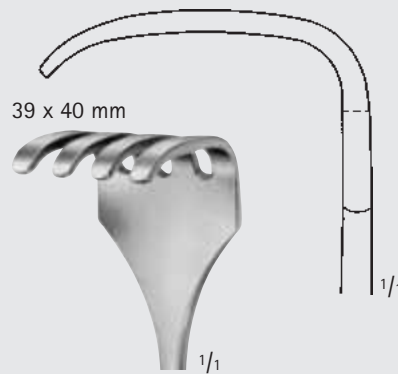
BT



MILLIMETERS



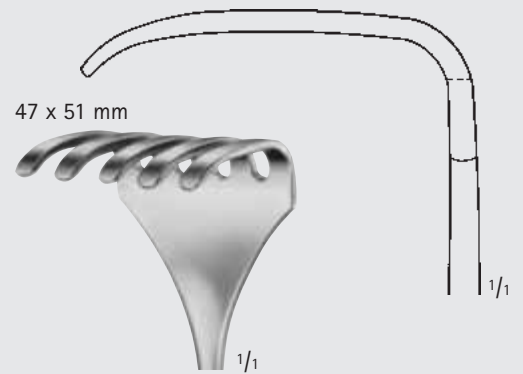
1/2



39 x 40 mm

**BT284R**

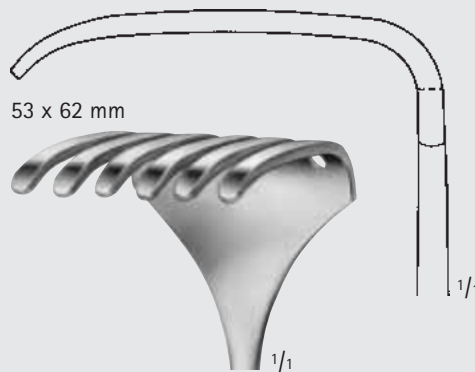
4 Zähne, stumpf  
4 prongs, blunt



47 x 51 mm

**BT285R**

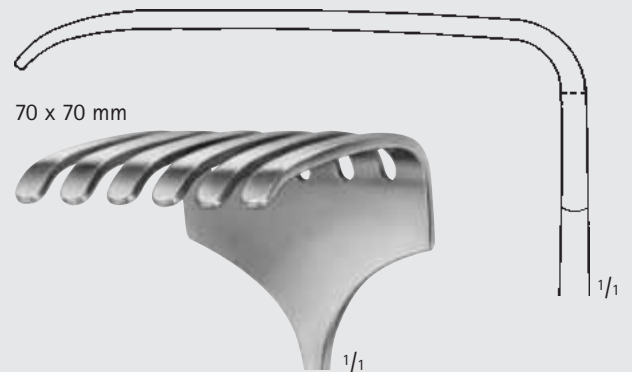
5 Zähne, stumpf  
5 prongs, blunt



53 x 62 mm

**BT286R**

6 Zähne, stumpf  
6 prongs, blunt



70 x 70 mm

**BT287R**

6 Zähne, stumpf  
6 prongs, blunt

ISRAEL

**BT284R-BT287R**

255 mm, 10"

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

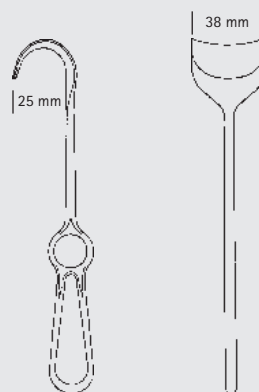
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



OLLIER

**BT288R**

4 Zähne, stumpf

4 prongs, blunt

230 mm, 9"



LANGENBECK

**BT311R-BT316R**

230 mm, 9"

**BT311R**

30 x 10 mm

**BT315R**

40 x 10 mm

**BT316R**

43 x 13 mm

BT

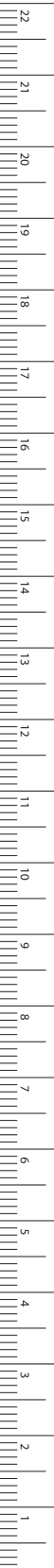




# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



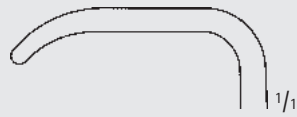
MILLIMETERS



LANGENBECK

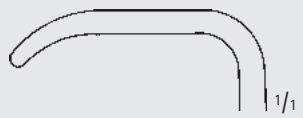
BT320R-BT326R

210 mm, 8 1/4"



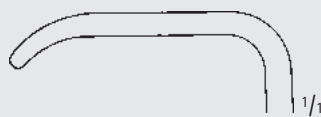
BT320R

28 x 10 mm



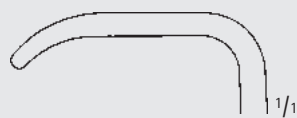
BT321R

28 x 14 mm



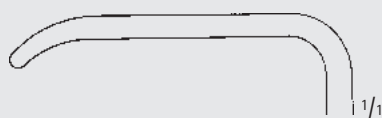
BT322R

33 x 14 mm



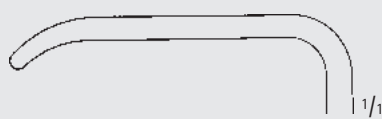
BT323R

28 x 16 mm



BT325R

40 x 10 mm



BT326R

40 x 13 mm

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

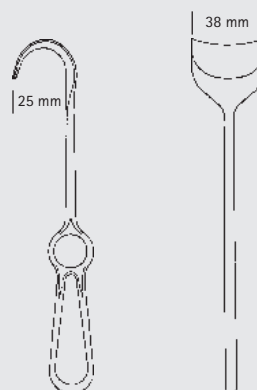
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                Example: 25 x 38 mm

2nd number = width



BT

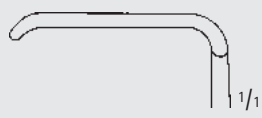


1/2

KOCHER-LANGENBECK

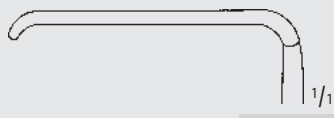
BT354R-BT365R

215 mm, 8 1/2"



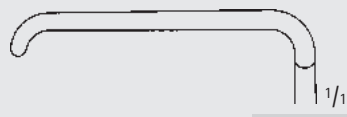
BT354R

25 x 6 mm



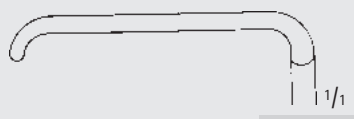
BT356R

35 x 8 mm



BT357R

35 x 11 mm



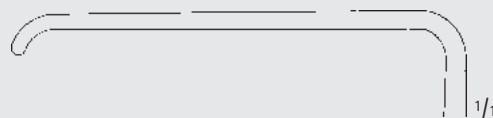
BT358R

35 x 15 mm



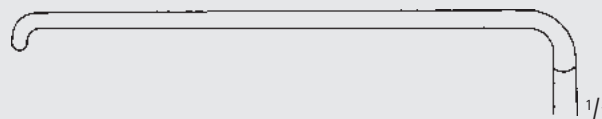
BT359R

41 x 11 mm



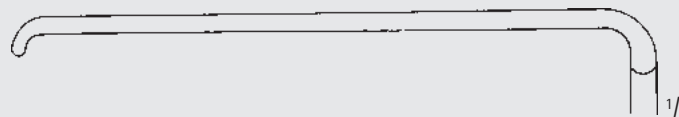
BT361R

55 x 11 mm



BT363R

70 x 14 mm



BT364R

80 x 12 mm



BT365R

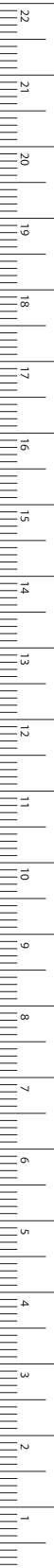
80 x 16 mm



# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT

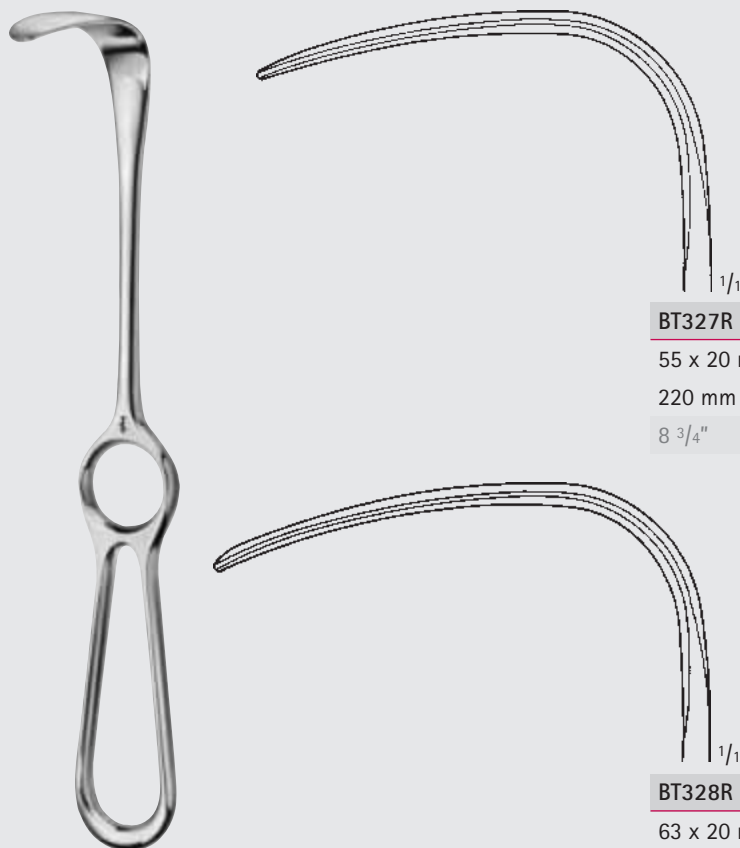


MILLIMETERS



**BT340R**

210 mm, 8 1/4"



**BT327R**

55 x 20 mm

220 mm

8 3/4"

**BT328R**

63 x 20 mm

210 mm

8 1/4"

**BT327R-BT328R**

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

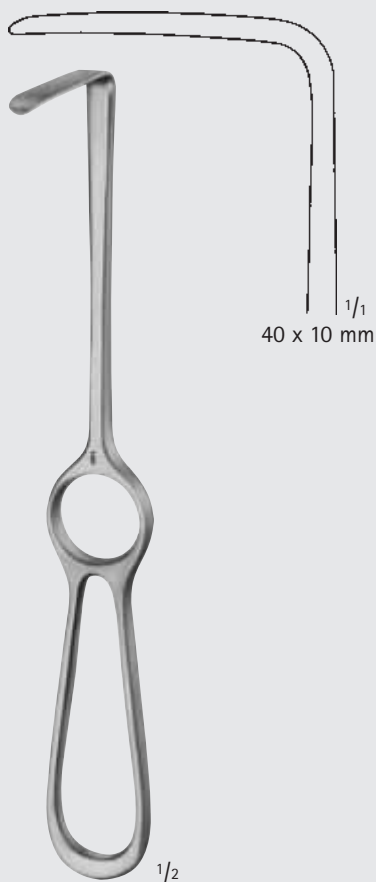
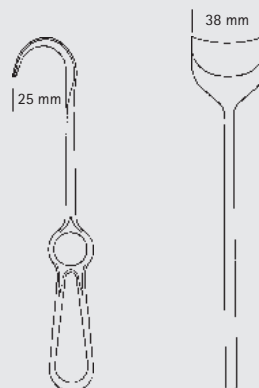
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



**BT343R**

215 mm, 8 1/2"



**LANGENBECK**

**BT332R**

Griff vertikal zum Blatt  
Handle vertical to the blade  
215 mm, 8 1/2"

BT



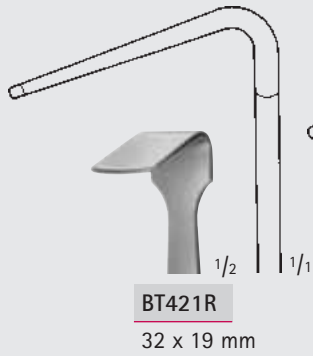




# Wundhaken – Wound Retractors

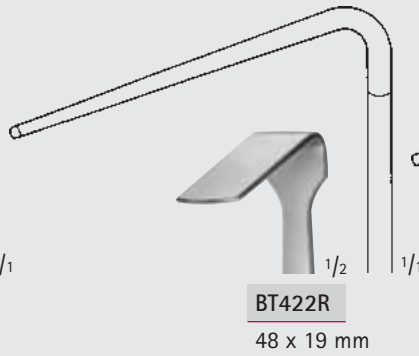
Wund- und Meniskushaken  
Retractors and Knee Retractors

BT



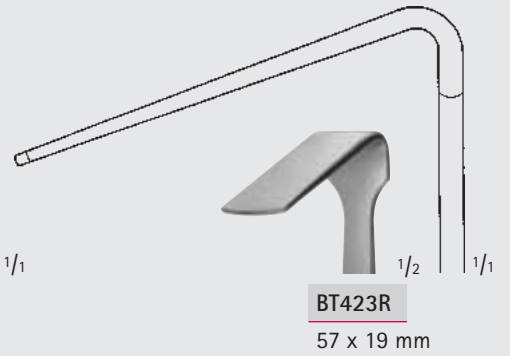
**BT421R**

32 x 19 mm



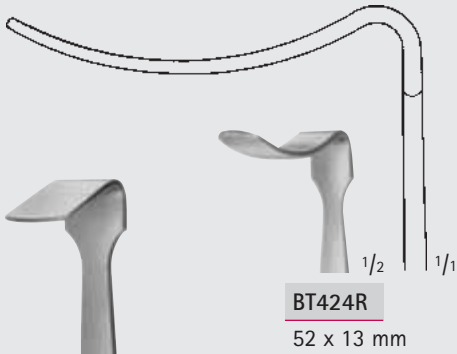
**BT422R**

48 x 19 mm



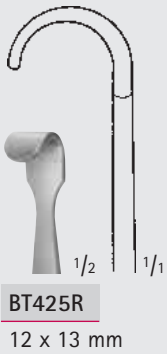
**BT423R**

57 x 19 mm



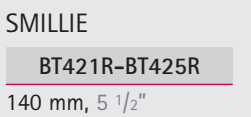
**BT424R**

52 x 13 mm



**BT425R**

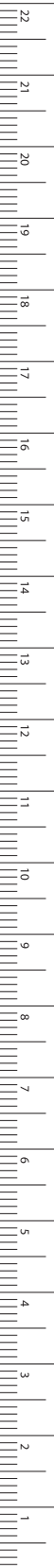
12 x 13 mm



SMILLIE

**BT421R-BT425R**

140 mm, 5 1/2"



MILLIMETERS

# Wundhaken – Wound Retractors

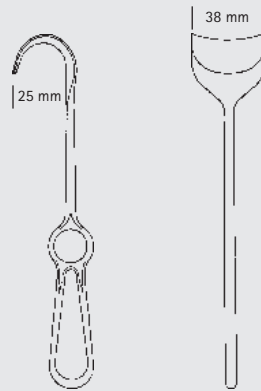
## Wund- und Meniskushaken

### Retractors and Knee Retractors

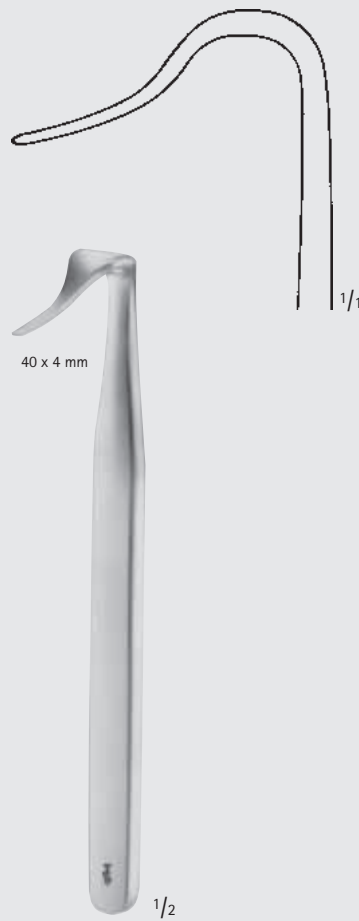
BT

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

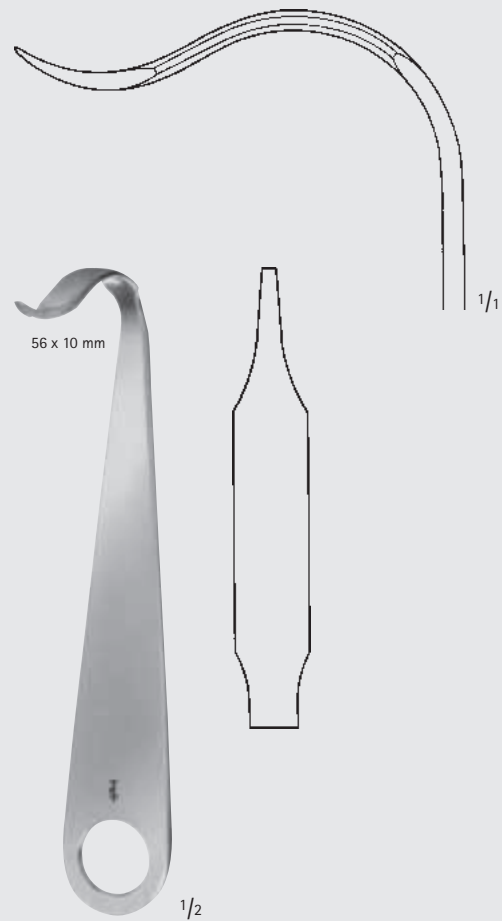
Dimensions for blade size of retractors  
 1st number = depth                Example: 25 x 38 mm  
 2nd number = width



**BT419R**  
 225 mm, 9"



**BLOUNT**  
**BT420R**  
 175 mm, 7"



**BT430R**  
 170 mm, 6 3/4"

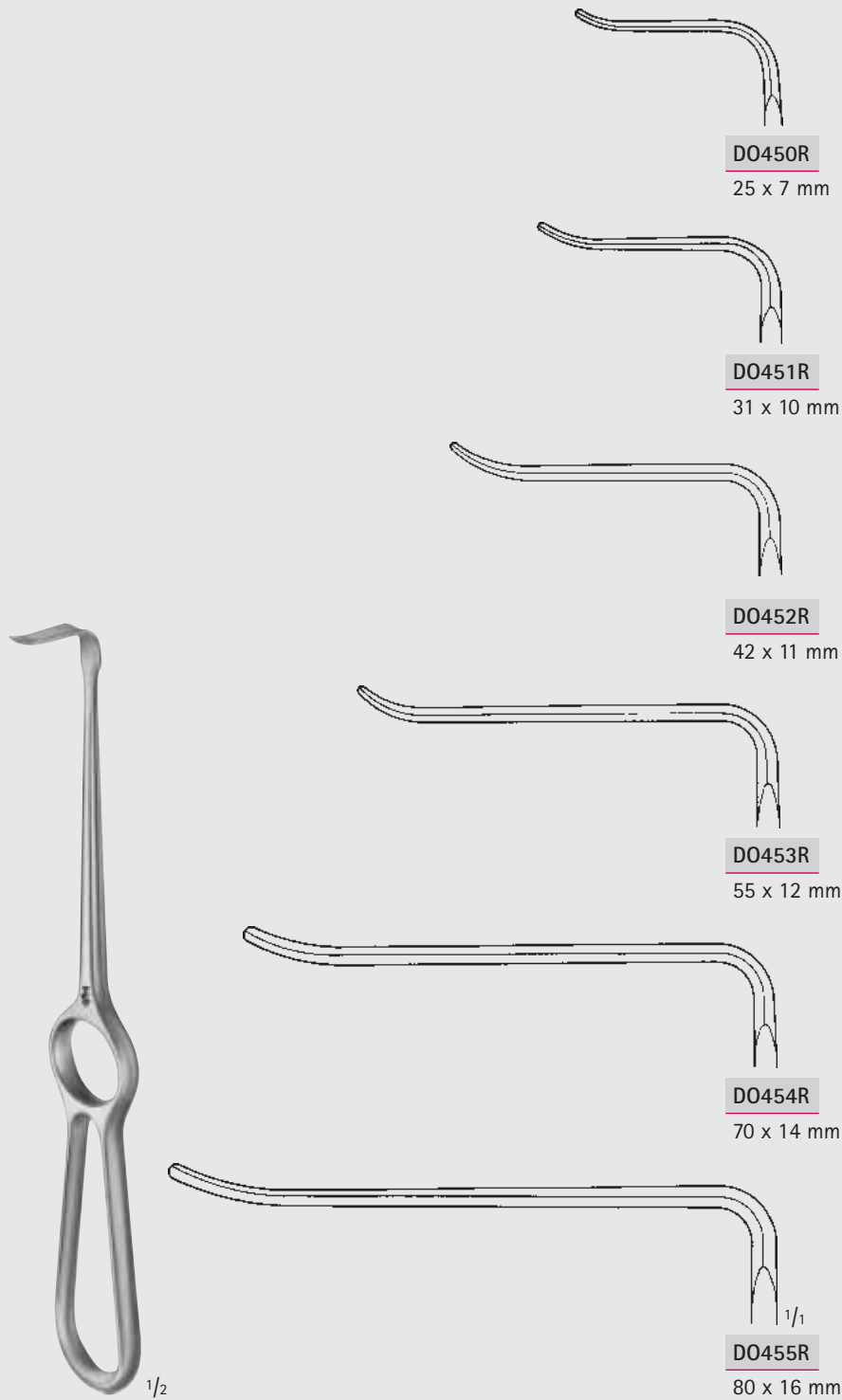




# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



OBWEGESER  
DO450R-DO455R  
215 mm, 8 1/2"

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

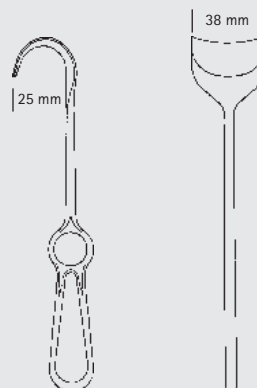
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

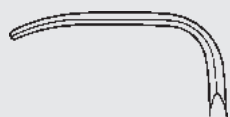
2nd number = width



OBWEGESER

DO460R-DO465R

215 mm, 8 1/2"



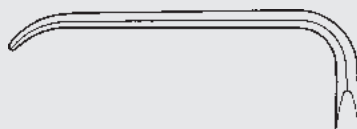
DO460R

25 x 7 mm



DO461R

31 x 10 mm



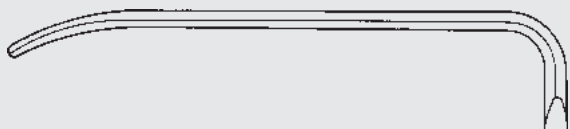
DO462R

42 x 11 mm



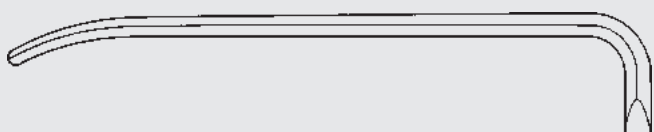
DO463R

55 x 12 mm



DO464R

70 x 14 mm



DO465R

80 x 16 mm

1/1

BT

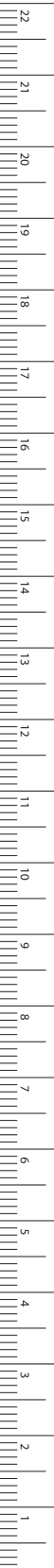




# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



KOCHER

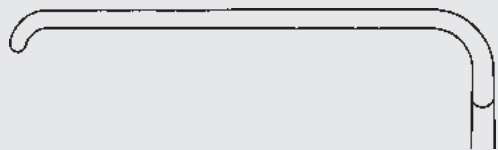
BT369R-BT373R

230 mm, 9"



BT369R

40 x 18 mm



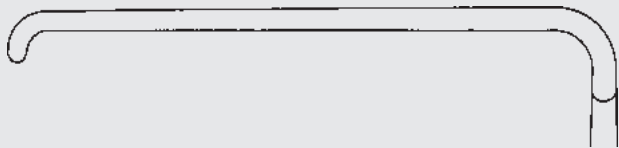
BT370R

60 x 20 mm



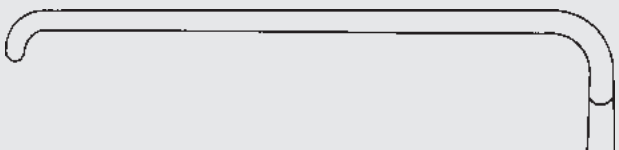
BT371R

60 x 25 mm



BT372R

75 x 30 mm



BT373R

75 x 40 mm

MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

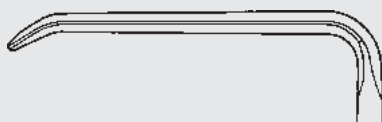
2nd number = width



SAUERBRUCH

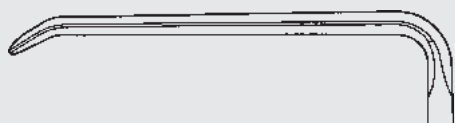
**BT351R-BT353R**

225 mm, 9"



**BT351R**

46 x 16 mm



**BT352R**

55 x 22 mm



**BT353R**

72 x 19 mm



LAHEY

**MB785R**

200 mm, 8"

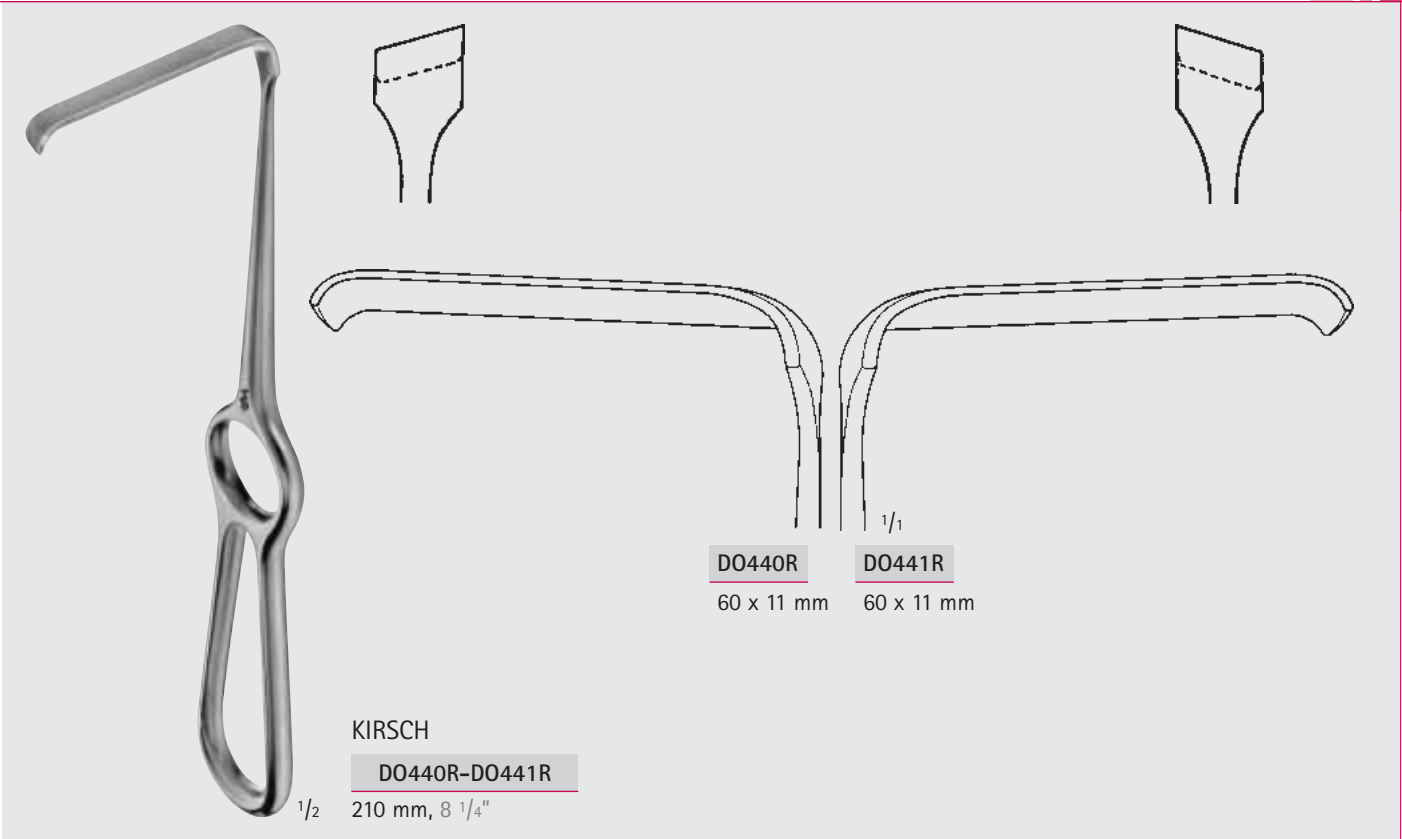
BT





Wundhaken – Wound Retractors  
Wundhaken  
Retractors

BT



# Wundhaken – Wound Retractors

## Wundhaken

### Retractors

Maßangaben für Blattgrößen der Wundhaken

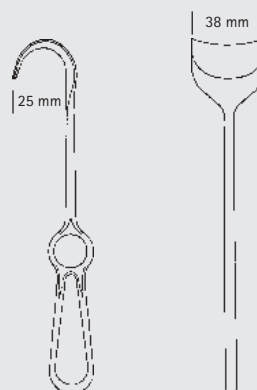
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



BT



**BT404R**

15 x 15 mm

220 mm

8 3/4"

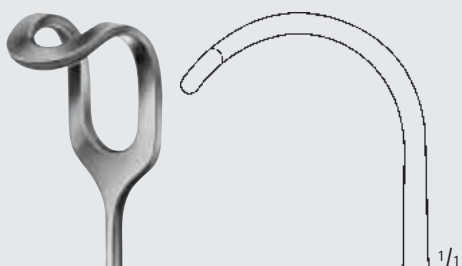


**BT405R**

20 x 22 mm

215 mm

8 1/2"



**BT406R**

28 x 28 mm

235 mm

9 1/4"

MIDDELDORPF

BT404R-BT406R



22 x 22 mm

GREENE

BT408R

225 mm, 9"





Wundhaken – Wound Retractors  
Wundhaken  
Retractors

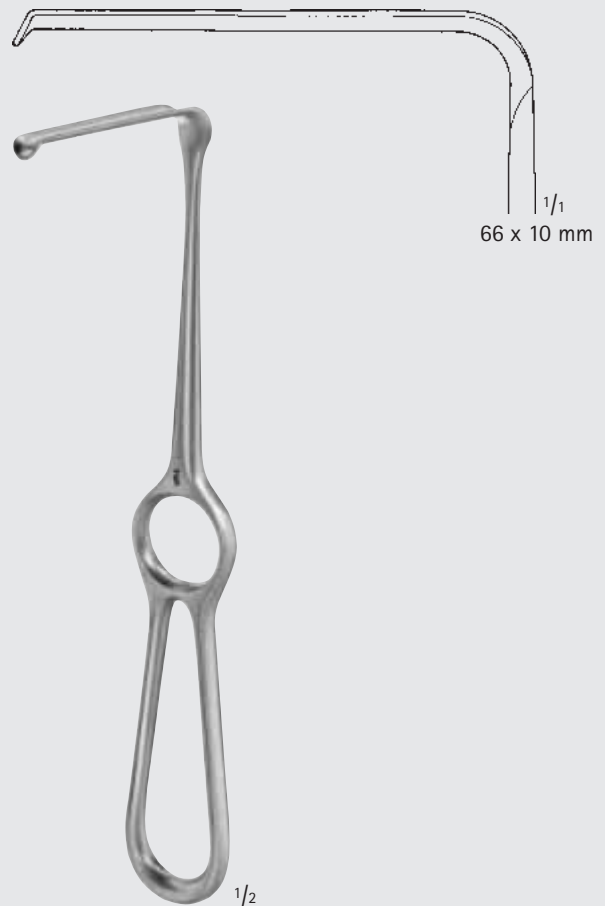
BT



BÜCHS

DO432R

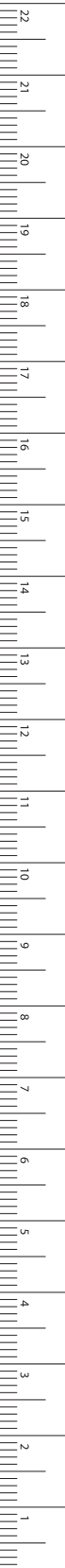
205 mm, 8"



KRÄMER

BT464R

210 mm, 8 1/4"



MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

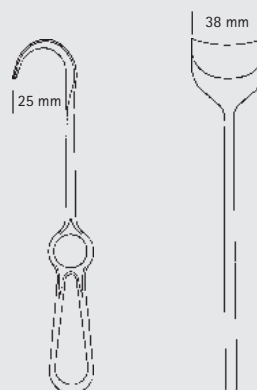
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

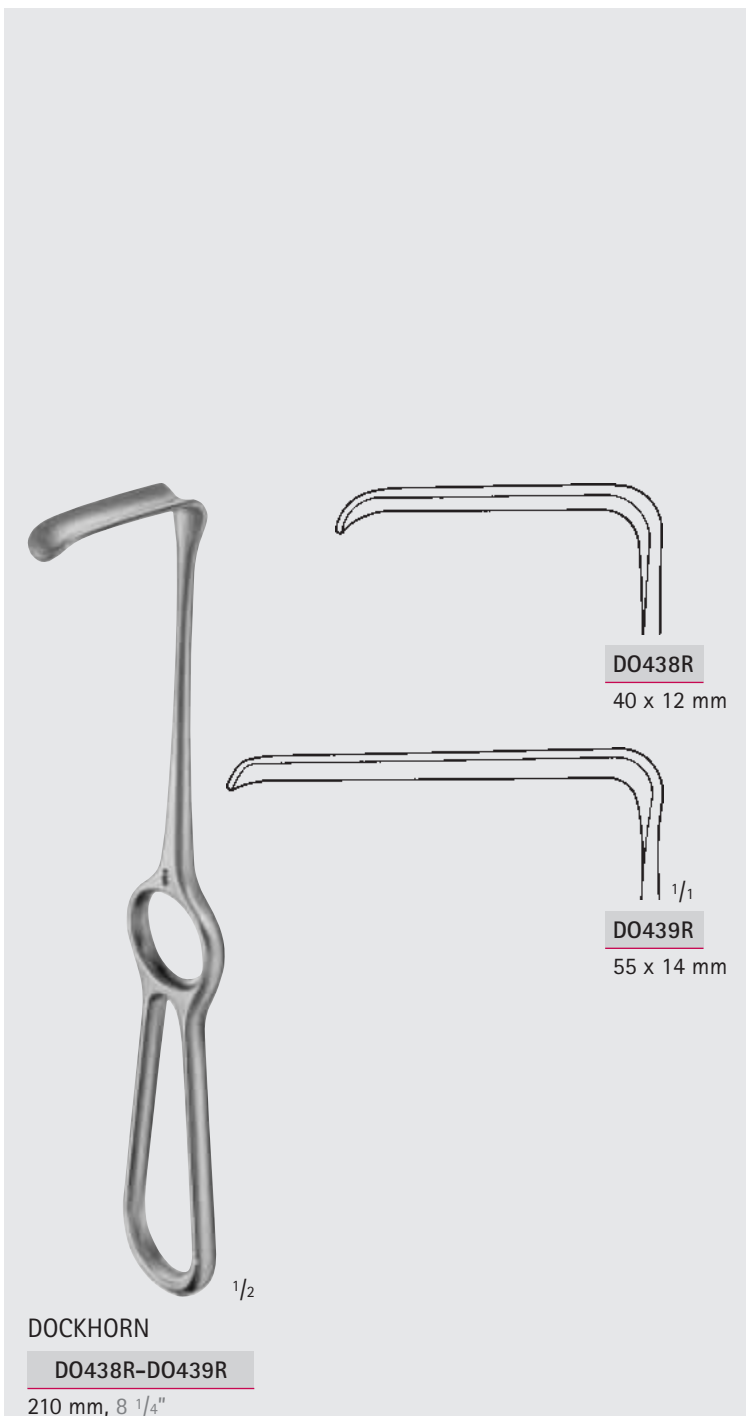
Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



BT





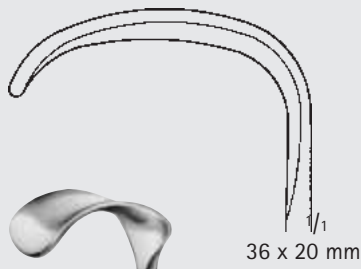
# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



MILLIMETERS



36 x 20 mm

KOCHER

**BT459R**

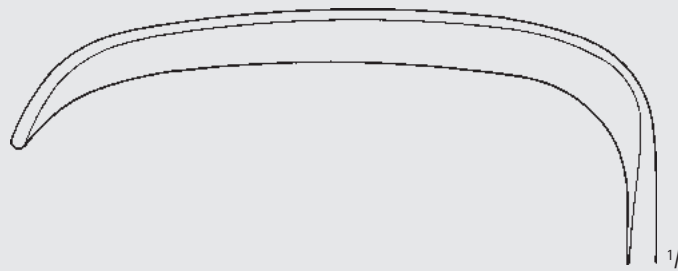
230 mm, 9"

1/2



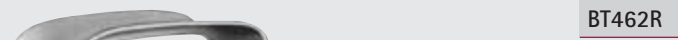
**BT460R**

67 x 25 mm



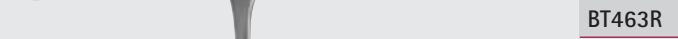
**BT461R**

80 x 42 mm



**BT462R**

80 x 50 mm



**BT463R**

80 x 60 mm

KOCHER

**BT460R-BT463R**

250 mm, 10"

1/2

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

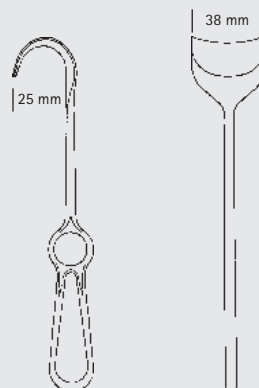
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



**BT490R**  
20 x 15 mm

**BT490R**

**BT492R**  
36 x 20 mm

**BT492R**

**BT494R**  
64 x 25 mm

**BT494R**

**KOCHER-WAGNER**  
**BT490R-BT498R**  
280 mm, 11"

**BT498R**  
94 x 36 mm

**BT498R**

BT

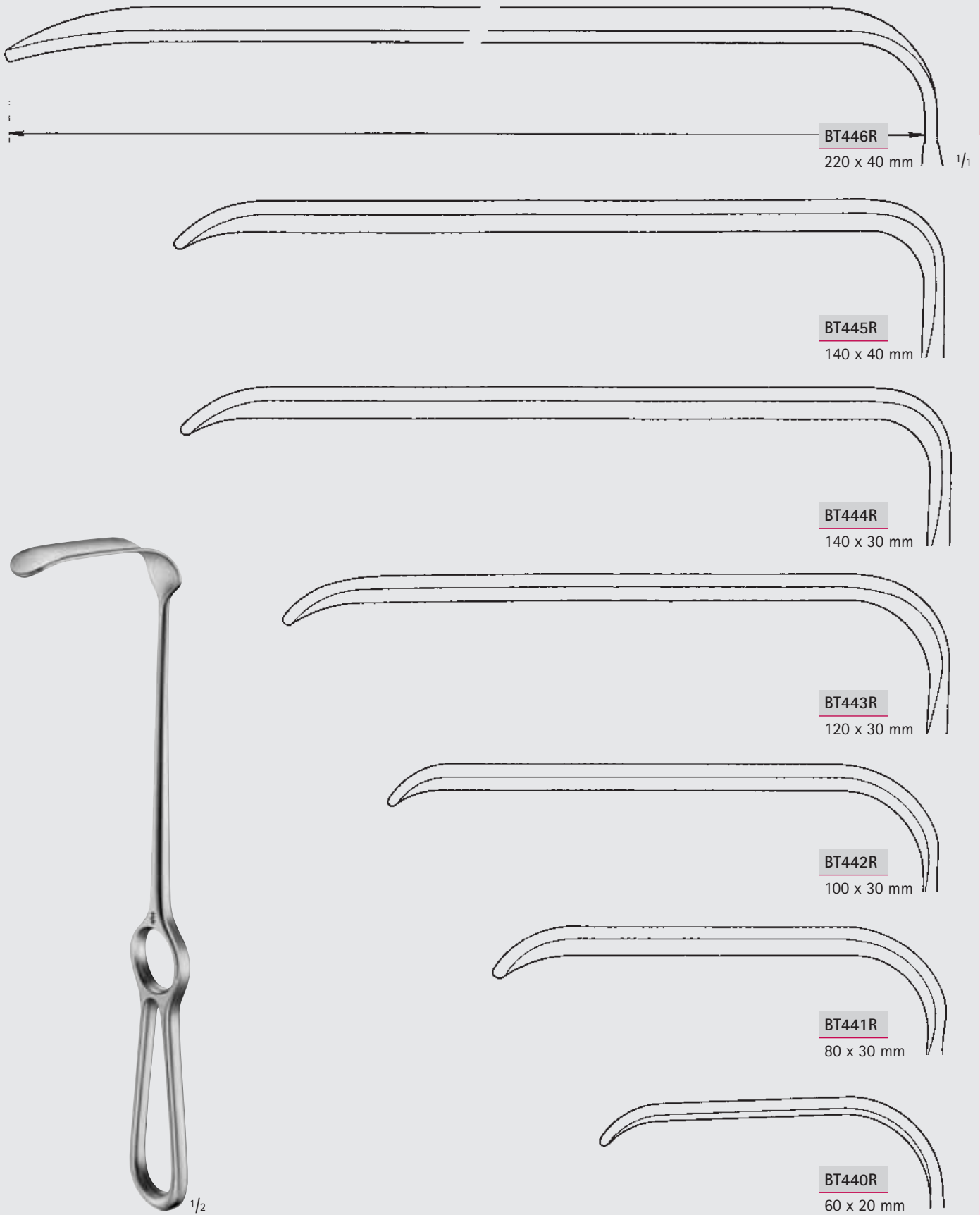




# Wundhaken – Wound Retractors

Wundhaken  
Retractors

**BT**



**BT446R**

220 x 40 mm

1/1

**BT445R**

140 x 40 mm

**BT444R**

140 x 30 mm

**BT443R**

120 x 30 mm

**BT442R**

100 x 30 mm

**BT441R**

80 x 30 mm

**BT440R**

60 x 20 mm

HÖSEL

**BT440R-BT446R**

250 mm, 10"

1/2

MILLIMETERS

## Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

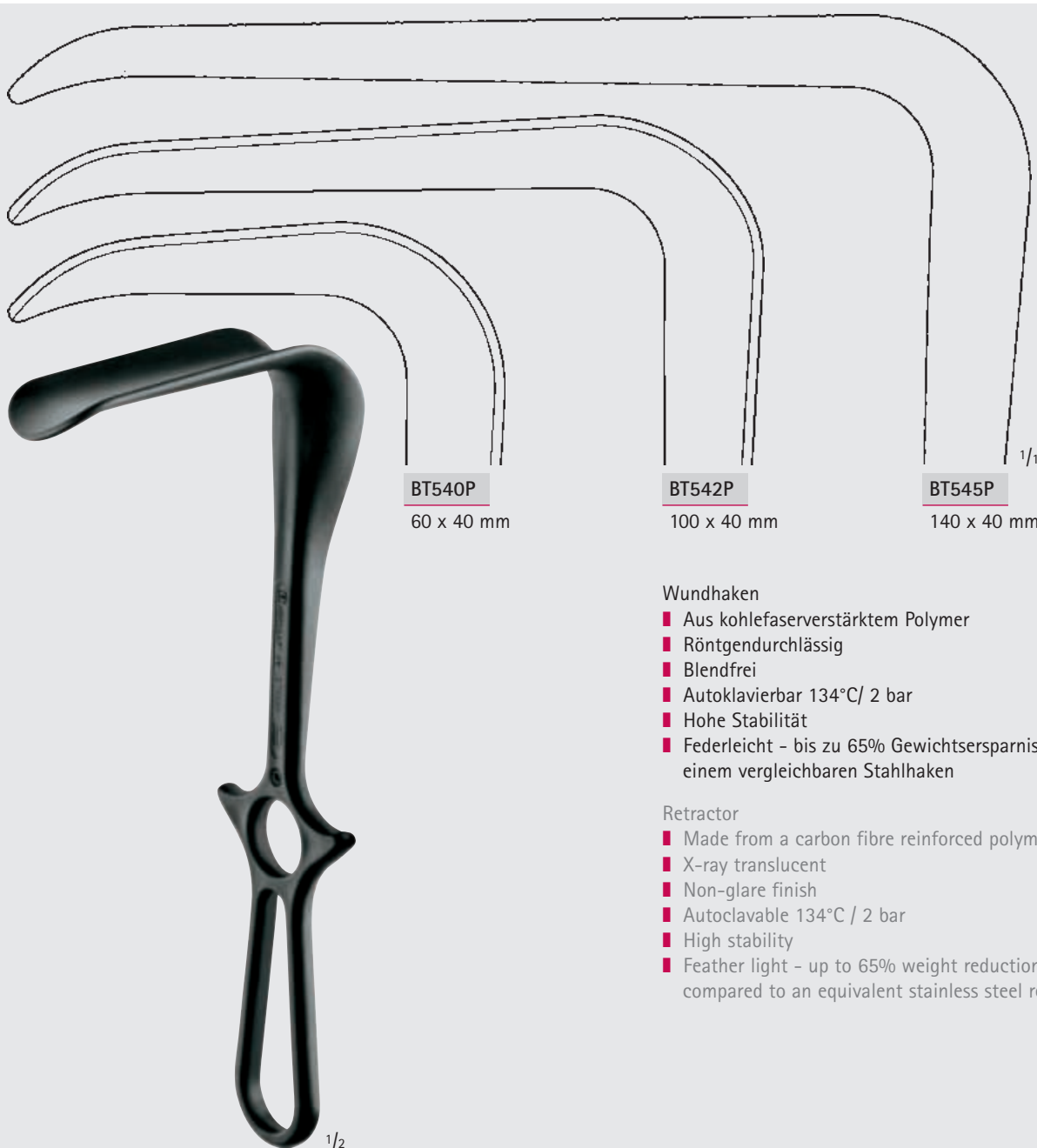
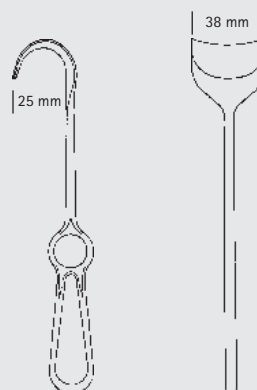
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



**BT540P**

60 x 40 mm

**BT542P**

100 x 40 mm

**BT545P**

140 x 40 mm

### Wundhaken

- Aus kohlefaserverstärktem Polymer
- Röntgendurchlässig
- Blendfrei
- Autoklavierbar 134°C/ 2 bar
- Hohe Stabilität
- Federleicht - bis zu 65% Gewichtsersparnis zu einem vergleichbaren Stahlhaken

### Retractor

- Made from a carbon fibre reinforced polymer
- X-ray translucent
- Non-glare finish
- Autoclavable 134°C / 2 bar
- High stability
- Feather light - up to 65% weight reduction compared to an equivalent stainless steel retractor

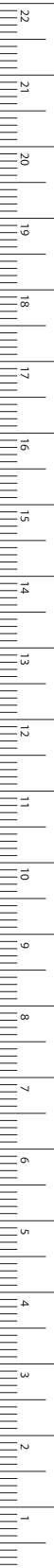
**BT540P-BT545P**

255 mm, 10"



**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

**BT**



MILLIMETERS



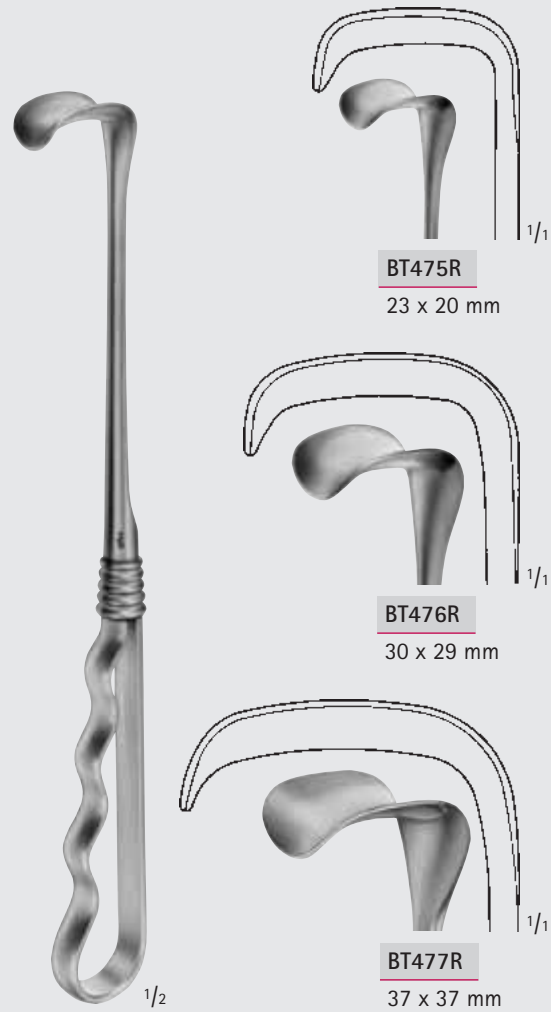
**RICHARDSON-EASTMAN**

**BT470R**

Satz komplett,  
bestehend aus:

Set complete,  
consisting of:

BT471R  
BT472R



**RICHARDSON**

**BT475R–BT477R**

240 mm, 9 1/2"

## Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

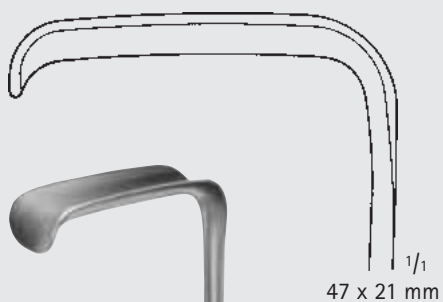
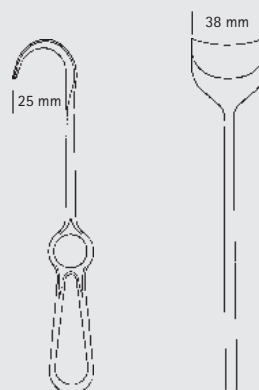
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

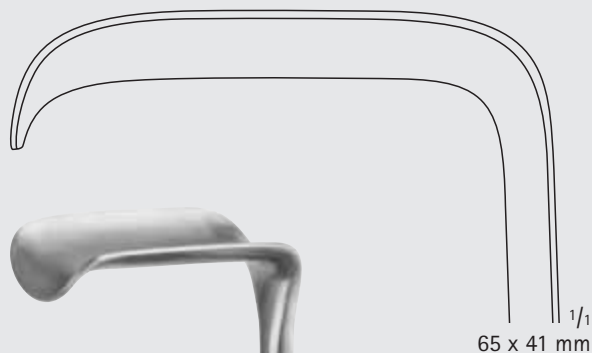
2nd number = width



RICHARDSON

BT478R

240 mm, 9 1/2"



RICHARDSON

BT479R

250 mm, 10"

BT

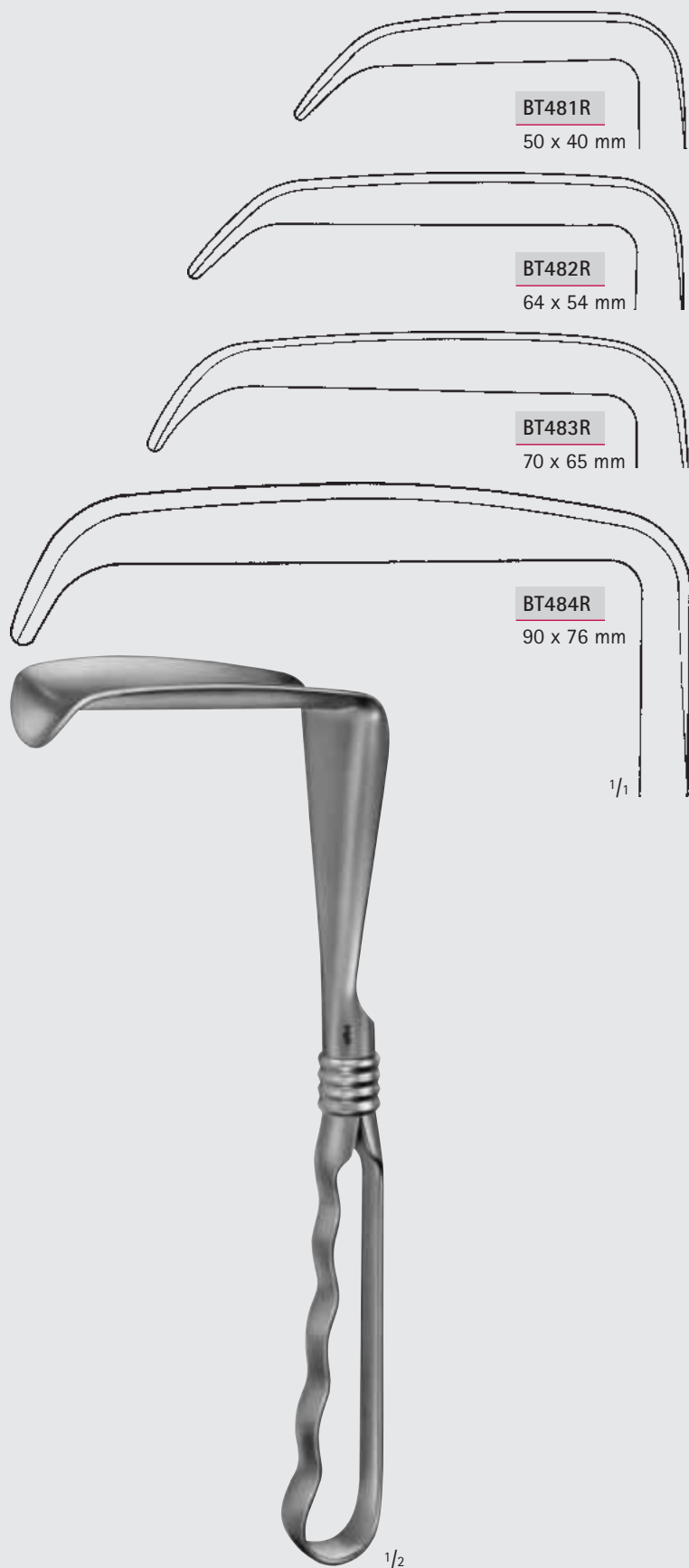






**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

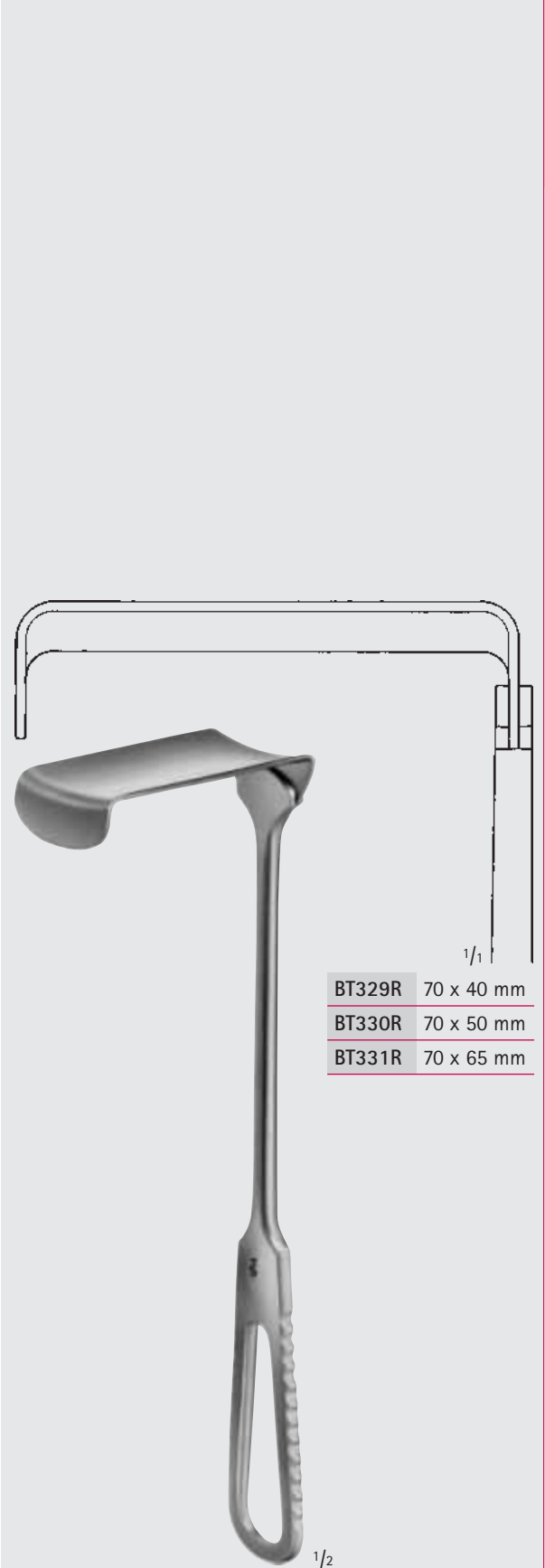
**BT**



**KELLY**

**BT481R–BT484R**

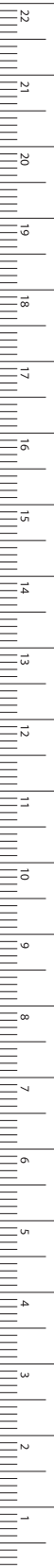
260 mm, 10 1/4"



**MORRIS**

**BT329R–BT331R**

245 mm, 9 3/4"



# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

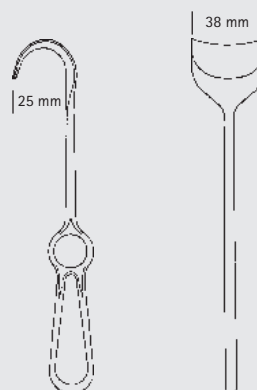
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



MEYERDING

BT485R-BT487R



**BT485R**

52 x 16 mm

230 mm

9"

**BT486R**

76 x 25 mm

230 mm

9"

**BT487R**

89 x 50 mm

255 mm

10"

BT





**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

**BT**



# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

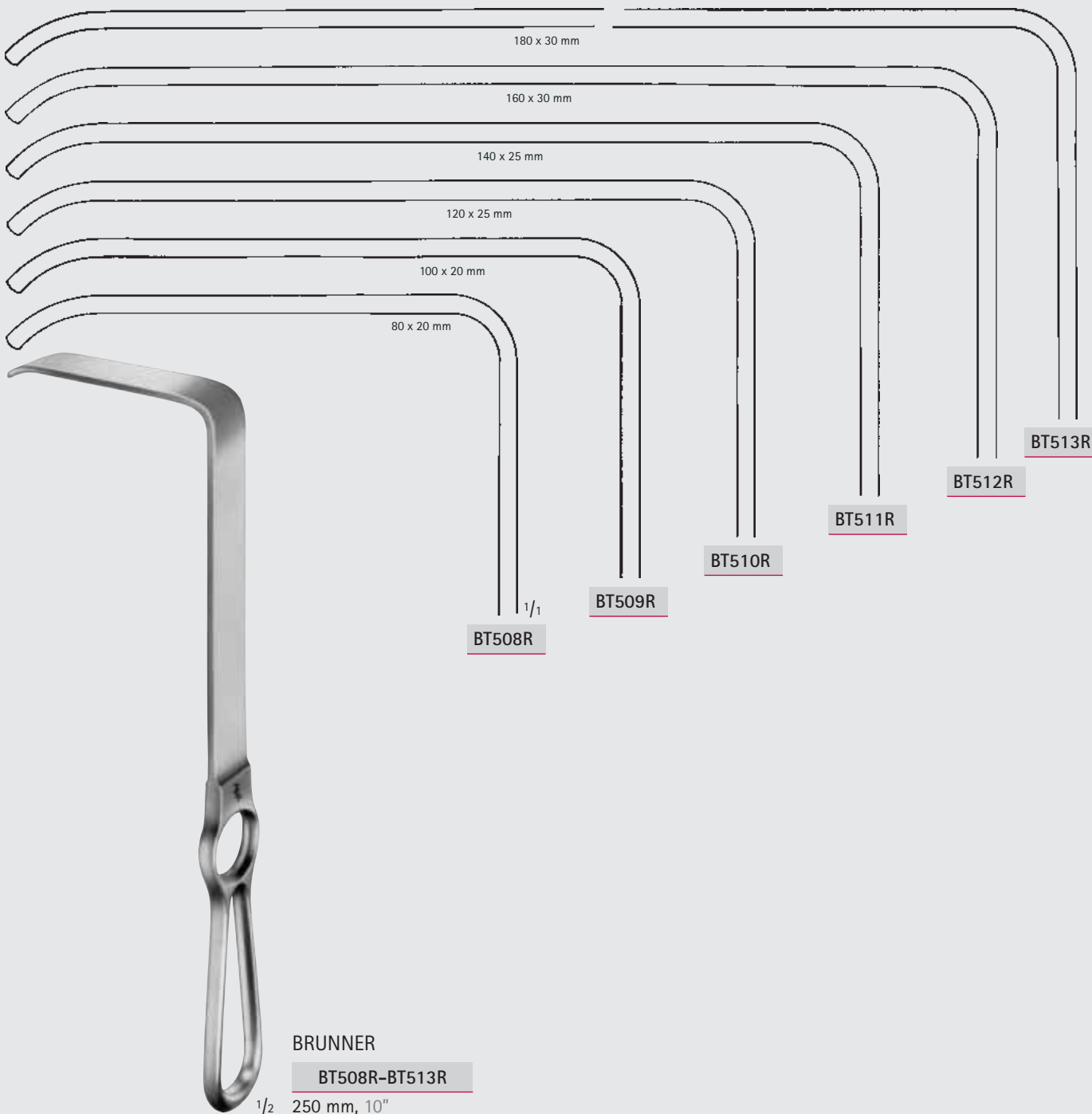
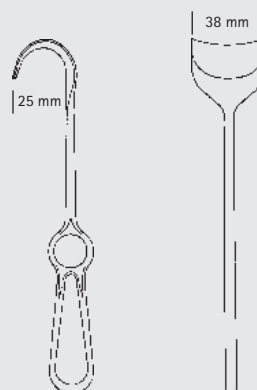
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                Example: 25 x 38 mm

2nd number = width



BRUNNER

BT508R–BT513R

1/2 250 mm, 10"

BT

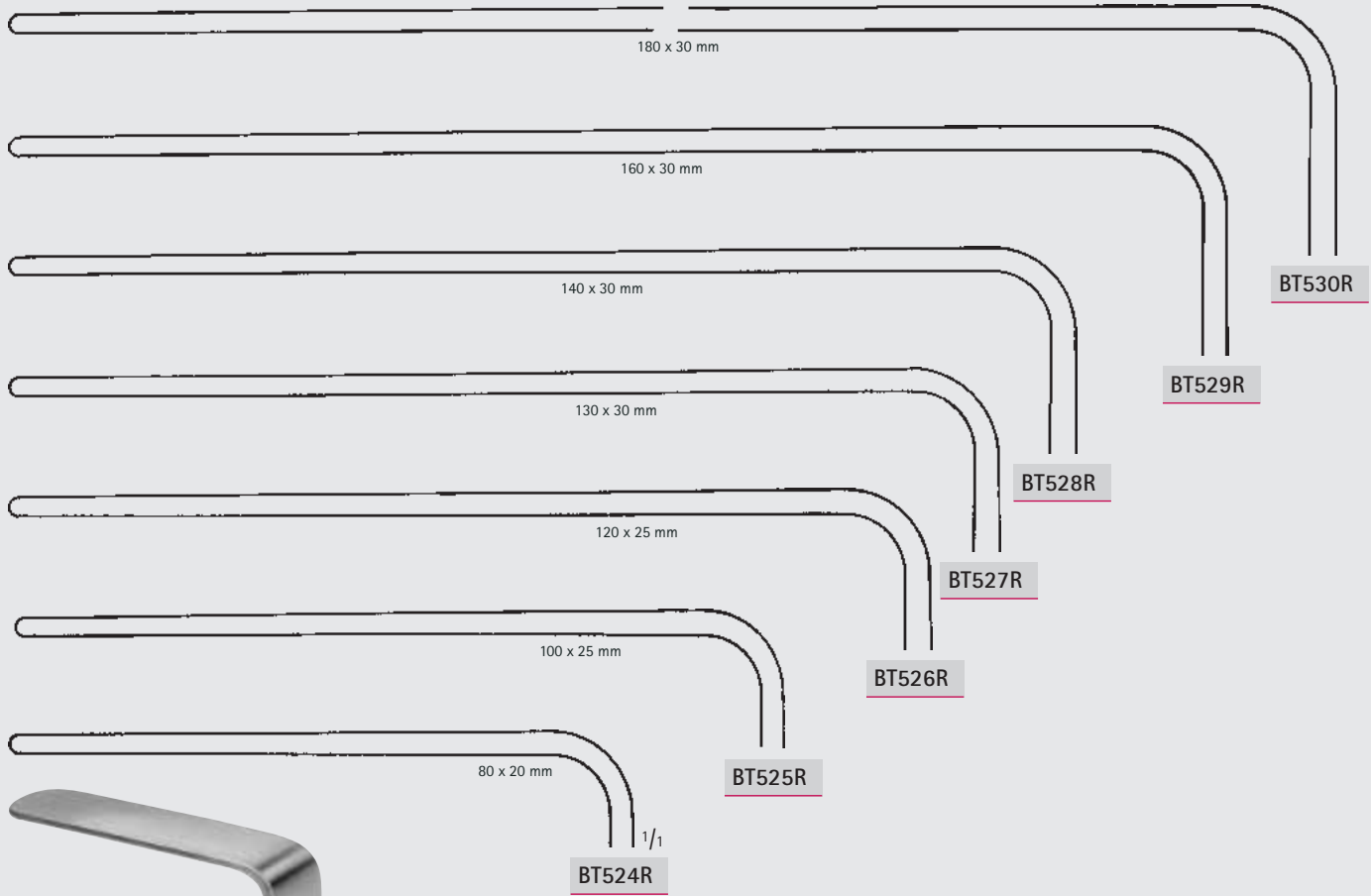




# Wundhaken – Wound Retractors

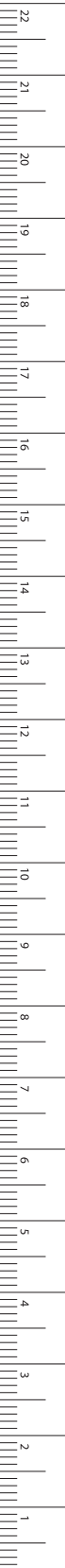
Wundhaken  
Retractors

BT



BRUNNER  
BT524R-BT530R

1/2 275 mm, 10 3/4"



MILLIMETERS

## Wundhaken – Wound Retractors

Varion-Wundhaken-System, DBP

Vario Retractor System, Germ. Fed. Patent

BT

Maßangaben für Blattgrößen der Wundhaken

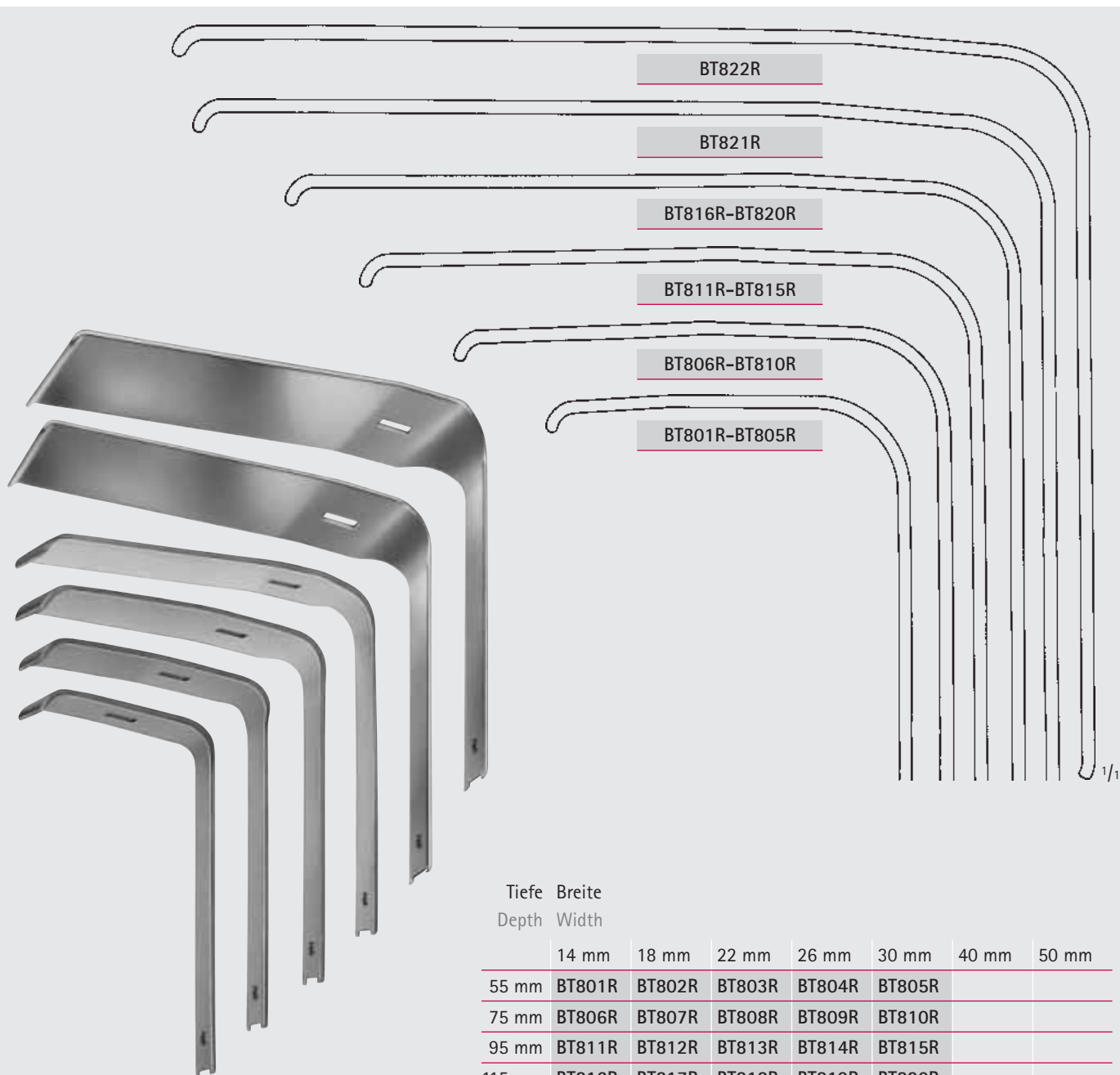
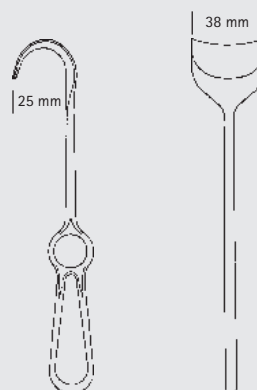
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



Tiefe Depth	Breite Width						
	14 mm	18 mm	22 mm	26 mm	30 mm	40 mm	50 mm
55 mm	BT801R	BT802R	BT803R	BT804R	BT805R		
75 mm	BT806R	BT807R	BT808R	BT809R	BT810R		
95 mm	BT811R	BT812R	BT813R	BT814R	BT815R		
115 mm	BT816R	BT817R	BT818R	BT819R	BT820R		
135 mm						BT821R	
145 mm							BT822R

Wundhakenblätter  
passend auf die Handgriffe  
BT799R und BT800R.

Retractor blades  
for handles  
BT799R and BT800R.



## Wundhaken – Wound Retractors

Varion-Wundhaken-System, DBP  
Vario Retractor System, Germ. Fed. Patent

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

**Zu verwenden mit Aesculap Lichtquellen.**

Vario retractor system with integrated cold light, for additional intensive illumination of deep and complicated operation fields.  
To be used with Aesculap light sources.



Griffstellung variabel  
Handle arrangement variable

### BT800R

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

### BT799R

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

BT



MILLIMETERS

## Wundhaken – Wound Retractors

Wundhaken, Lungenspatel

Retractors, Lung Spatulas

Maßangaben für Blattgrößen der Wundhaken

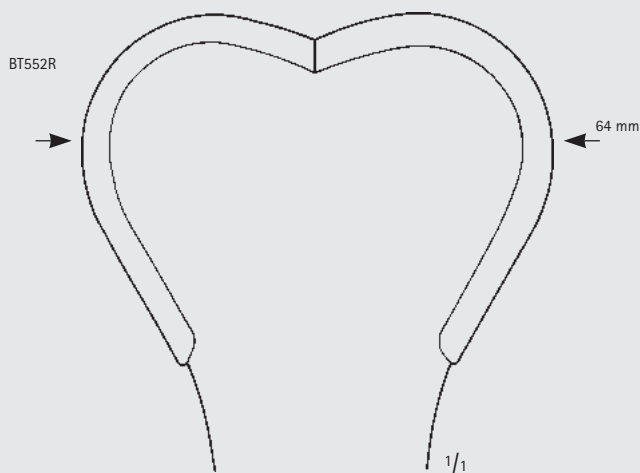
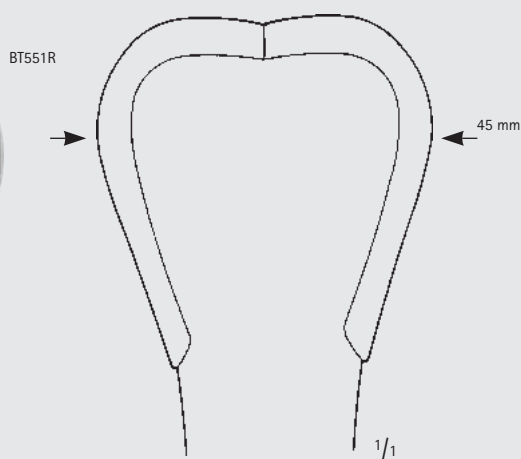
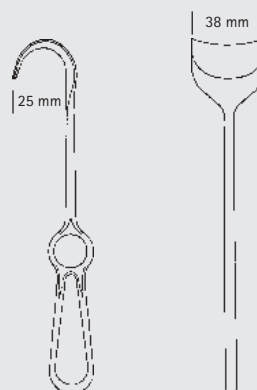
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



HARRINGTON

**BT551R** 123 x 45 mm

**BT552R** 123 x 64 mm

federnd

flexible

295 mm, 11 3/4"

BT

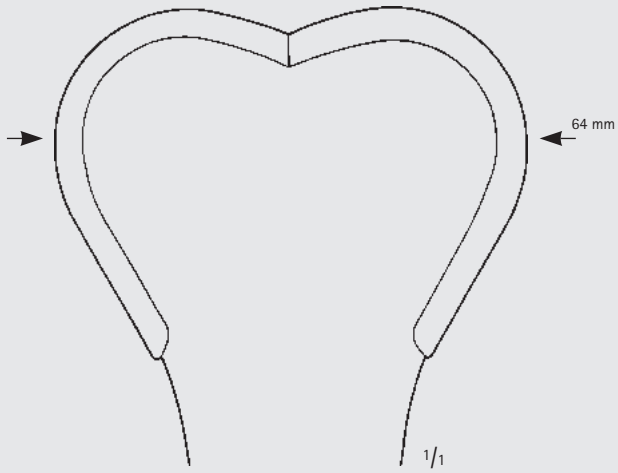






**Wundhaken – Wound Retractors**  
Wundhaken, Lungenspatel  
Retractors, Lung Spatulas

**BT**



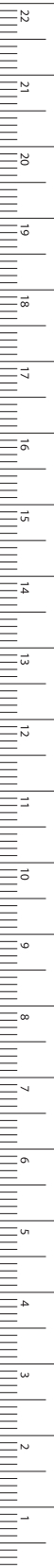
HARRINGTON-PEMBERTON

**BT553R**

175 x 64 mm

federnd

flexible



# Wundhaken – Wound Retractors

Lungenspatel

Lung Spatulas

BT

Maßangaben für Blattgrößen der Wundhaken

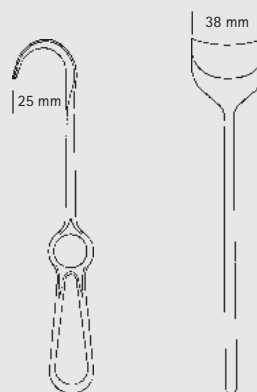
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

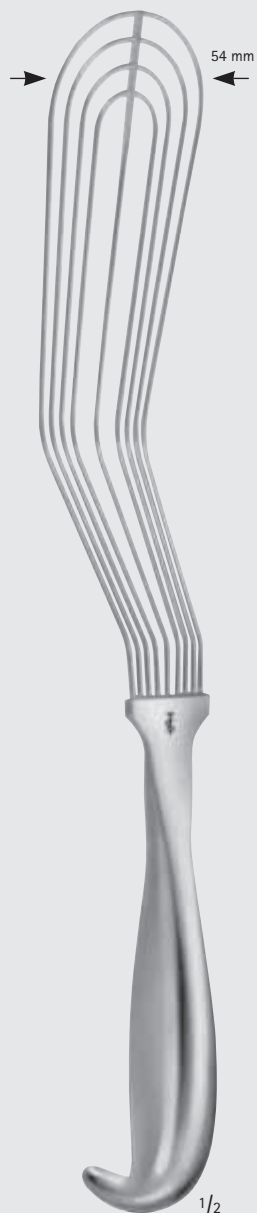
2nd number = width



ALLISON

**BT559R**

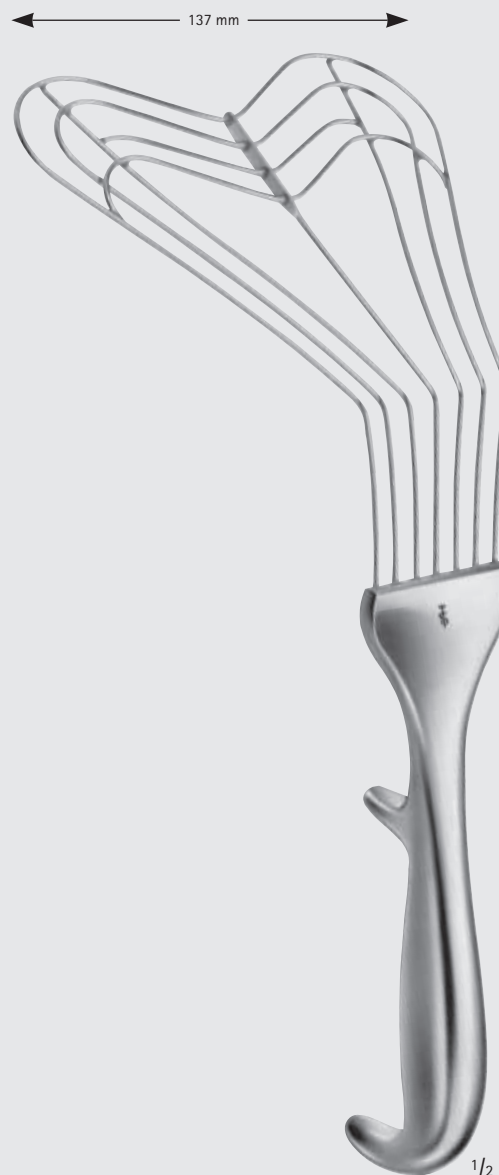
255 mm, 10"



ALLISON

**BT560R**

320 mm, 12 3/4"



ALLISON

**BT561R**

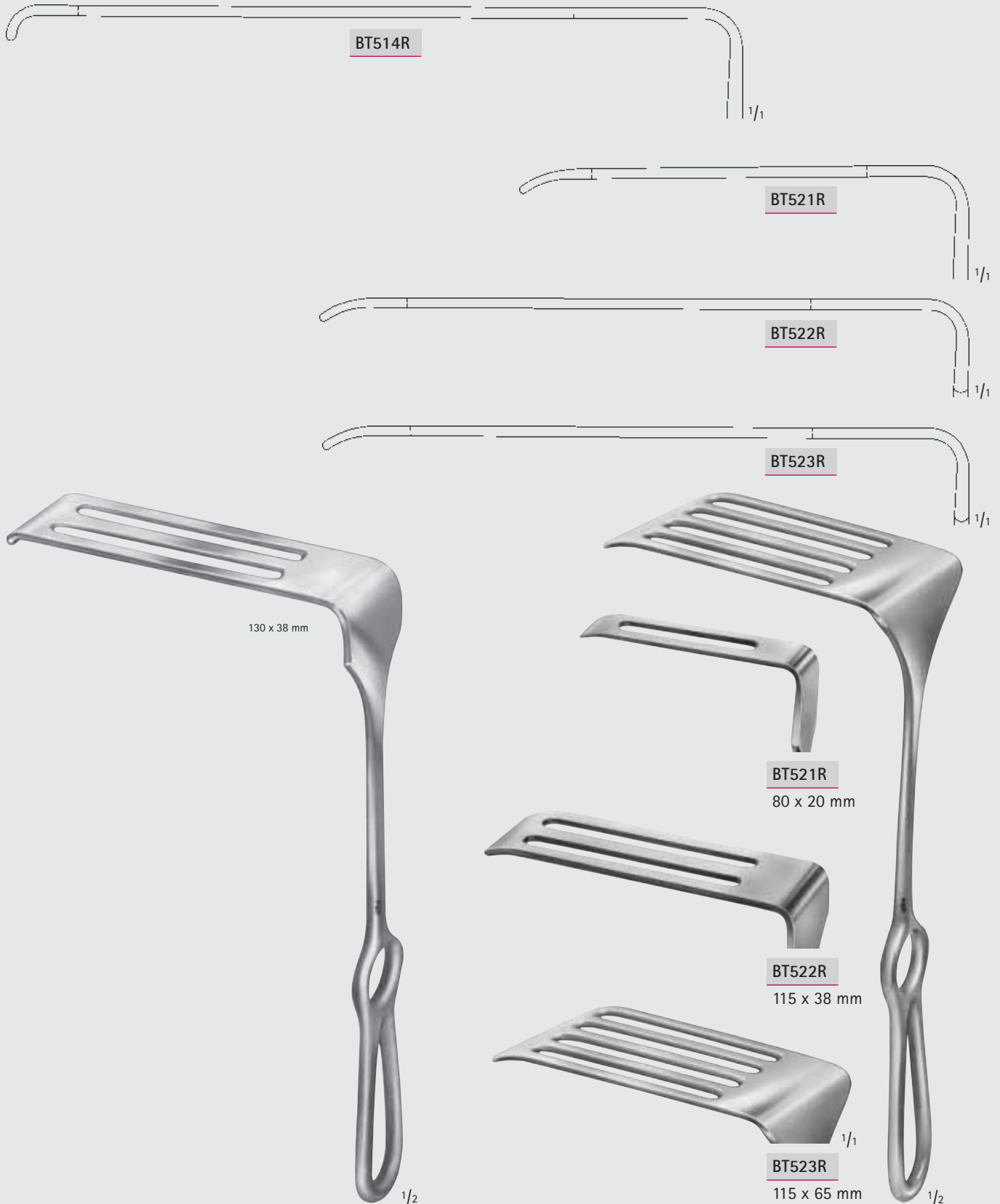
300 mm, 12"





**Wundhaken – Wound Retractors**  
 Wundhaken, Lungenspatel  
 Retractors, Lung Spatulas

**BT**



SAUERBRUCH

**BT514R**

260 mm, 10 1/4"

CORYLLOS

**BT521R–BT523R**

255 mm, 10"

MILLIMETERS

# Wundhaken – Wound Retractors

Scapula Haken

Scapula Retractor

Maßangaben für Blattgrößen der Wundhaken

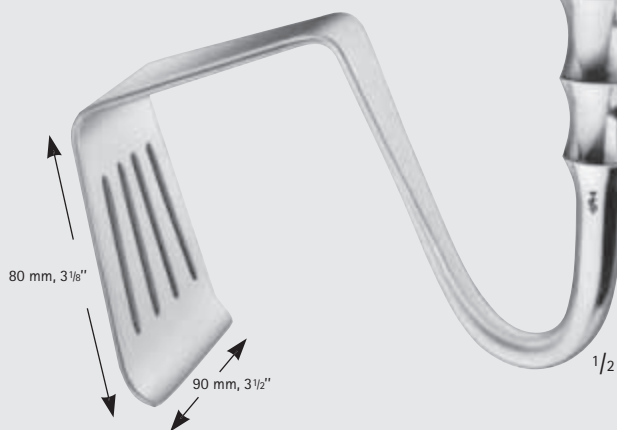
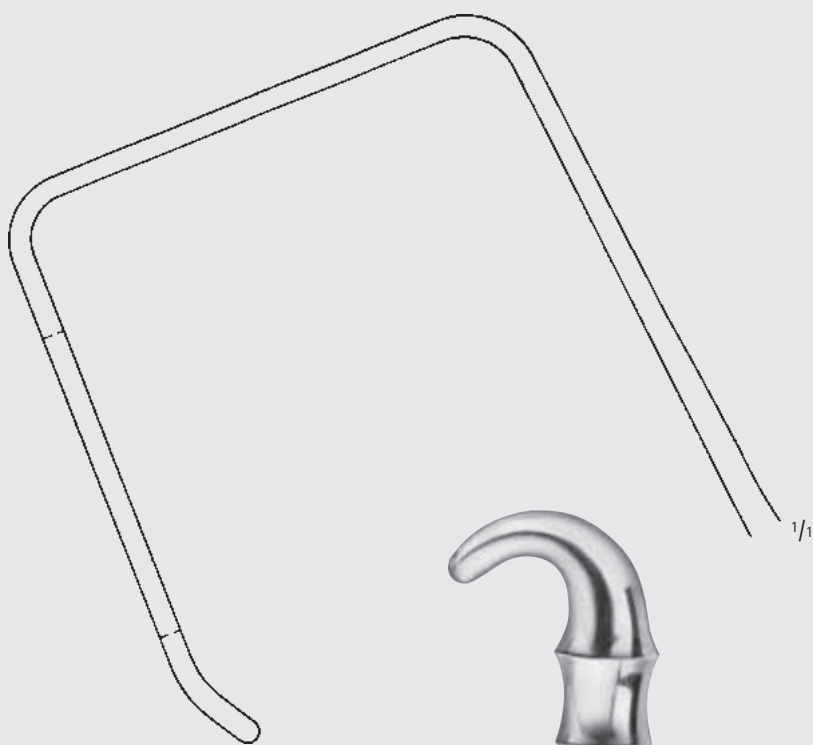
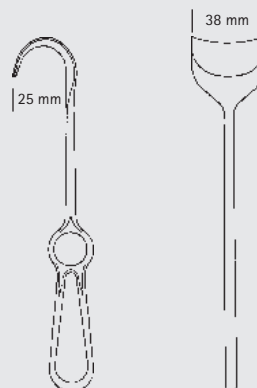
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



DAVIDSON

BT531R

195 mm, 7 3/4"

BT





**Wundhaken – Wound Retractors**  
Wundhaken  
Retractors

**BT**



# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

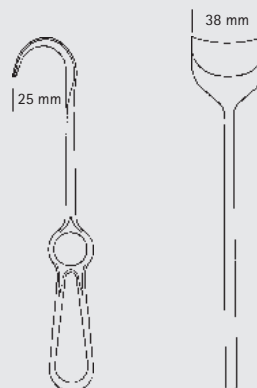
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                Example: 25 x 38 mm

2nd number = width



**MD076**

10 mm

160 mm

6 1/4"

1/2

**MD077**

13 mm

180 mm

7"

1/2

HASSON

**MD076-MD077**

BT

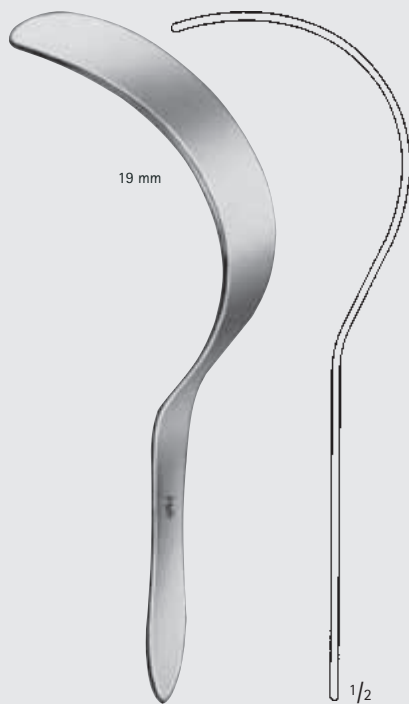




# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



DEAVER

**BT600R**

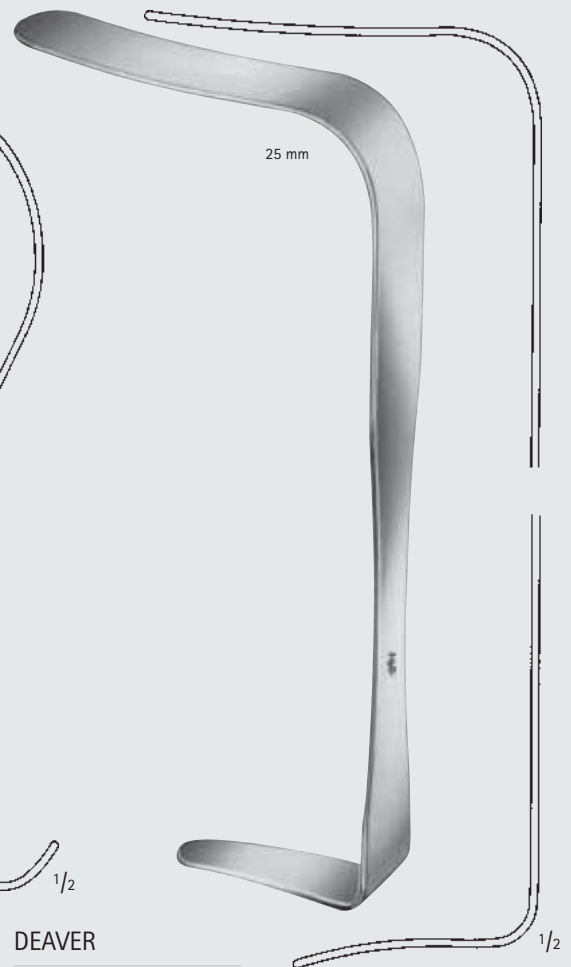
180 mm, 7"  
Fig. 000



DEAVER

**BT601R**

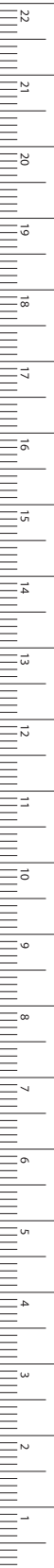
215 mm, 8 1/2"  
Fig. 00



DEAVER

**BT606R**

235 mm, 9 1/4"  
Fig. 0



MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken  
Retractors

Maßangaben für Blattgrößen der Wundhaken

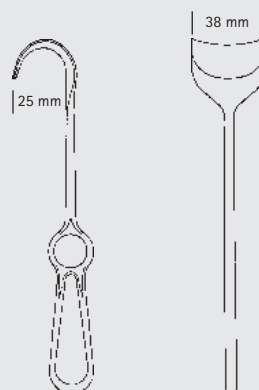
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

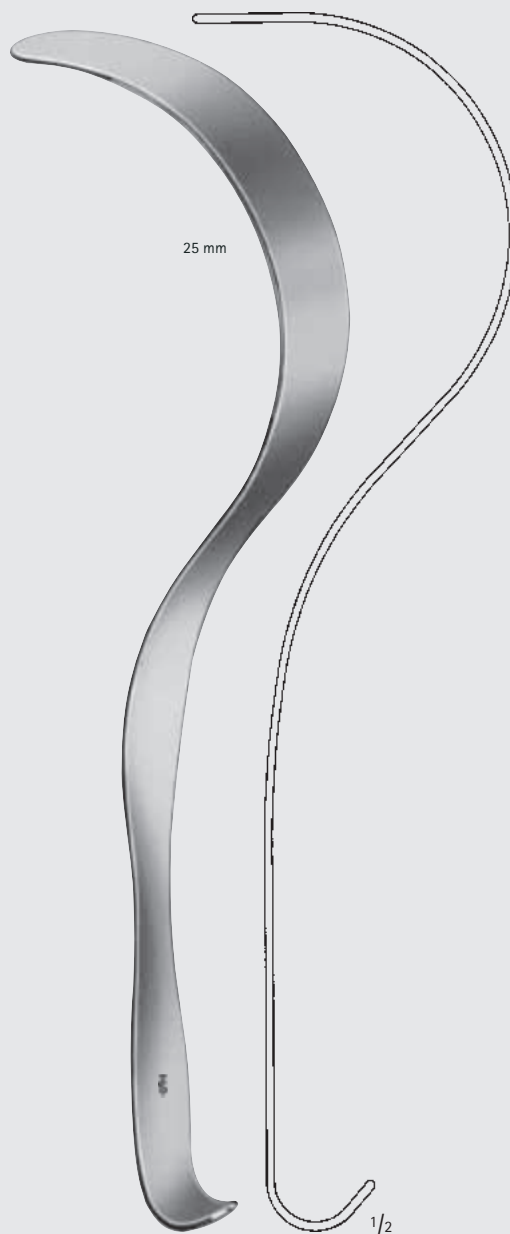
2nd number = width



DEAVER

BT602R

Fig. 1  
300 mm, 12"



DEAVER

BT603R

Fig. 2  
315 mm, 12 1/2"

BT







# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



DEAVER

BT607R

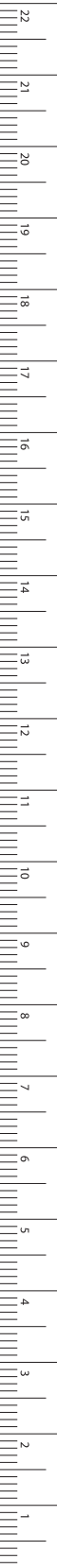
Fig. 2 1/2  
365 mm, 14 1/2"



DEAVER

BT604R

Fig. 3  
300 mm, 12"



MILLIMETERS

# Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

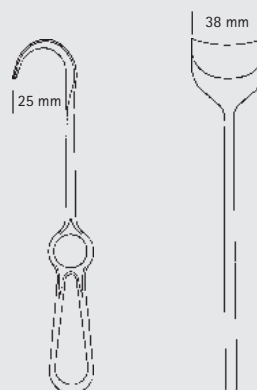
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width

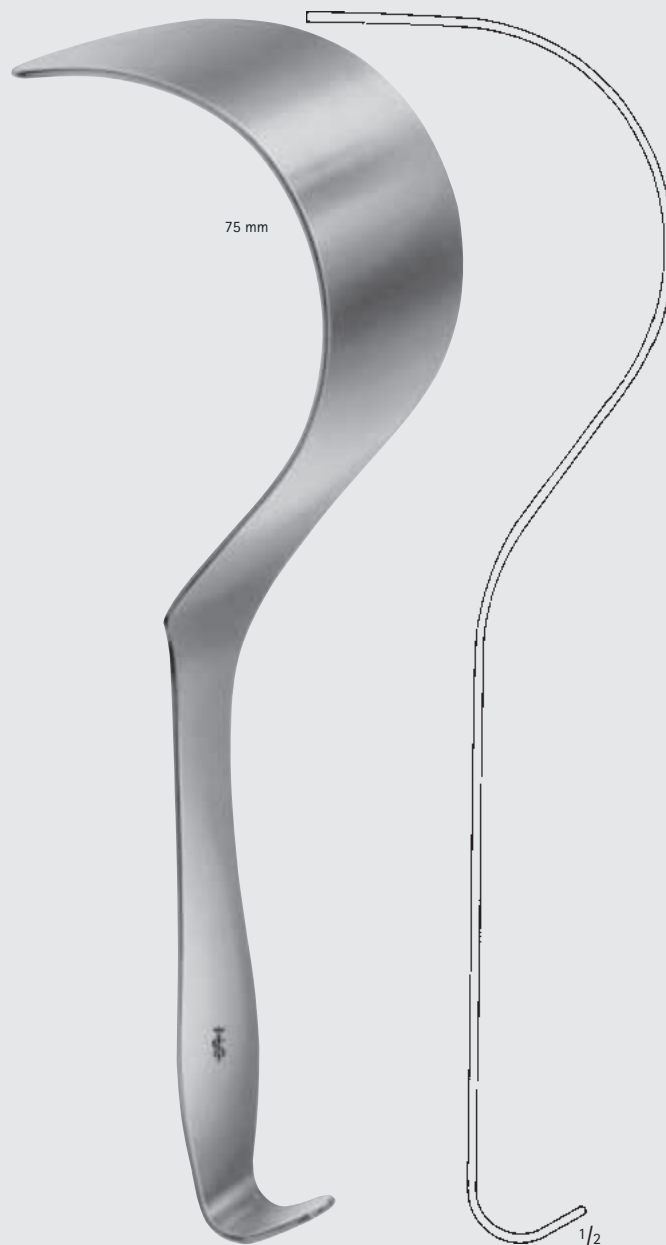


DEAVER

BT605R

Fig. 4

310 mm, 12 1/4"



DEAVER

BT608R

Fig. 5

320 mm, 12 3/4"

BT





# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



DEAVER

BT611R

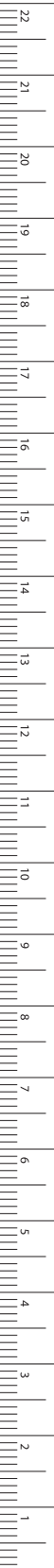
Fig. 1  
310 mm, 12 1/4"



DEAVER

BT613R

Fig. 3  
310 mm, 12 1/4"



MILLIMETERS

# Wundhaken – Wound Retractors

## Wundhaken

### Retractors

BT

Maßangaben für Blattgrößen der Wundhaken

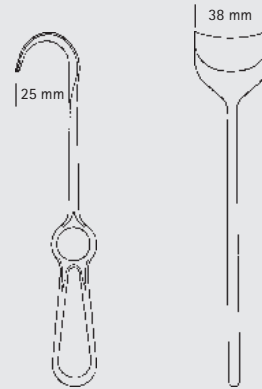
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



DEAVER

BT614R

Fig. 4  
305 mm, 12"



DEAVER

BT615R

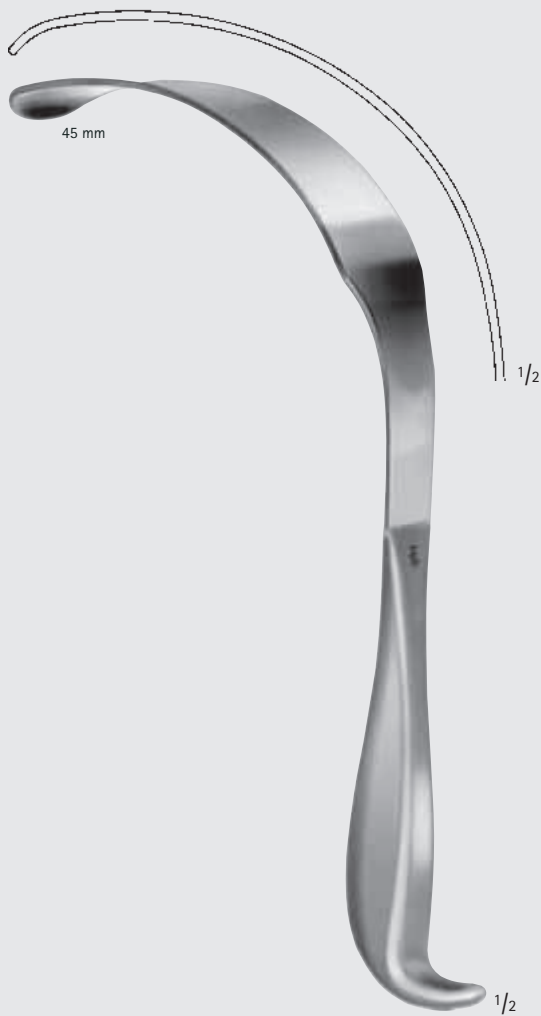
Fig. 5  
310 mm, 12 1/4"



# Wundhaken – Wound Retractors

Wundhaken  
Retractors

BT



LERICHE

BT730R

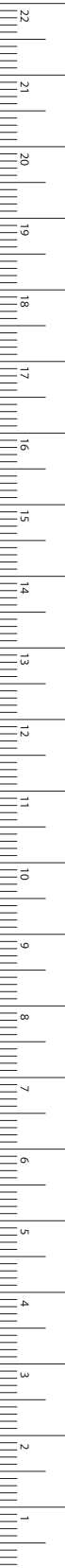
255 mm, 10"



LERICHE

BT732R

275 mm, 10 3/4"



MILLIMETERS

# Wundhaken – Wound Retractors

## Wundhaken Retractors

Maßangaben für Blattgrößen der Wundhaken

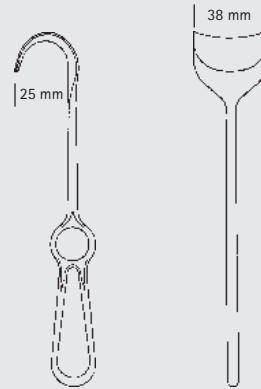
1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



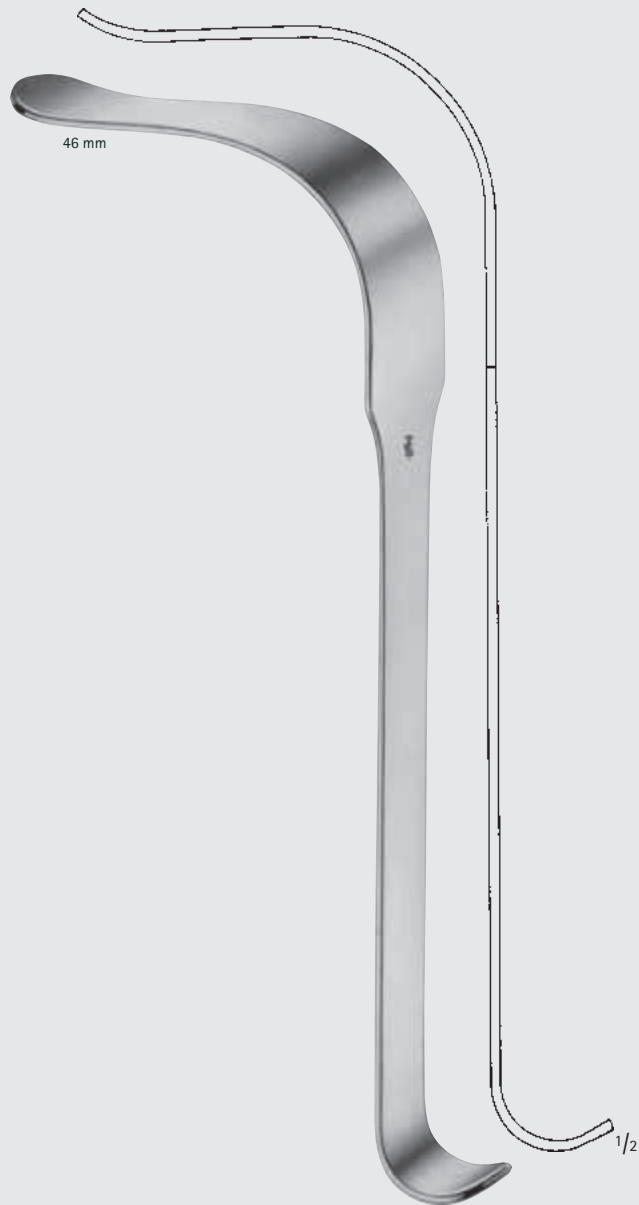
**KÜMMEL**

**BT740R**

biegsam

malleable

285 mm, 11 1/4"



**KÖRTE**

**BT742R**

300 mm, 12"

BT

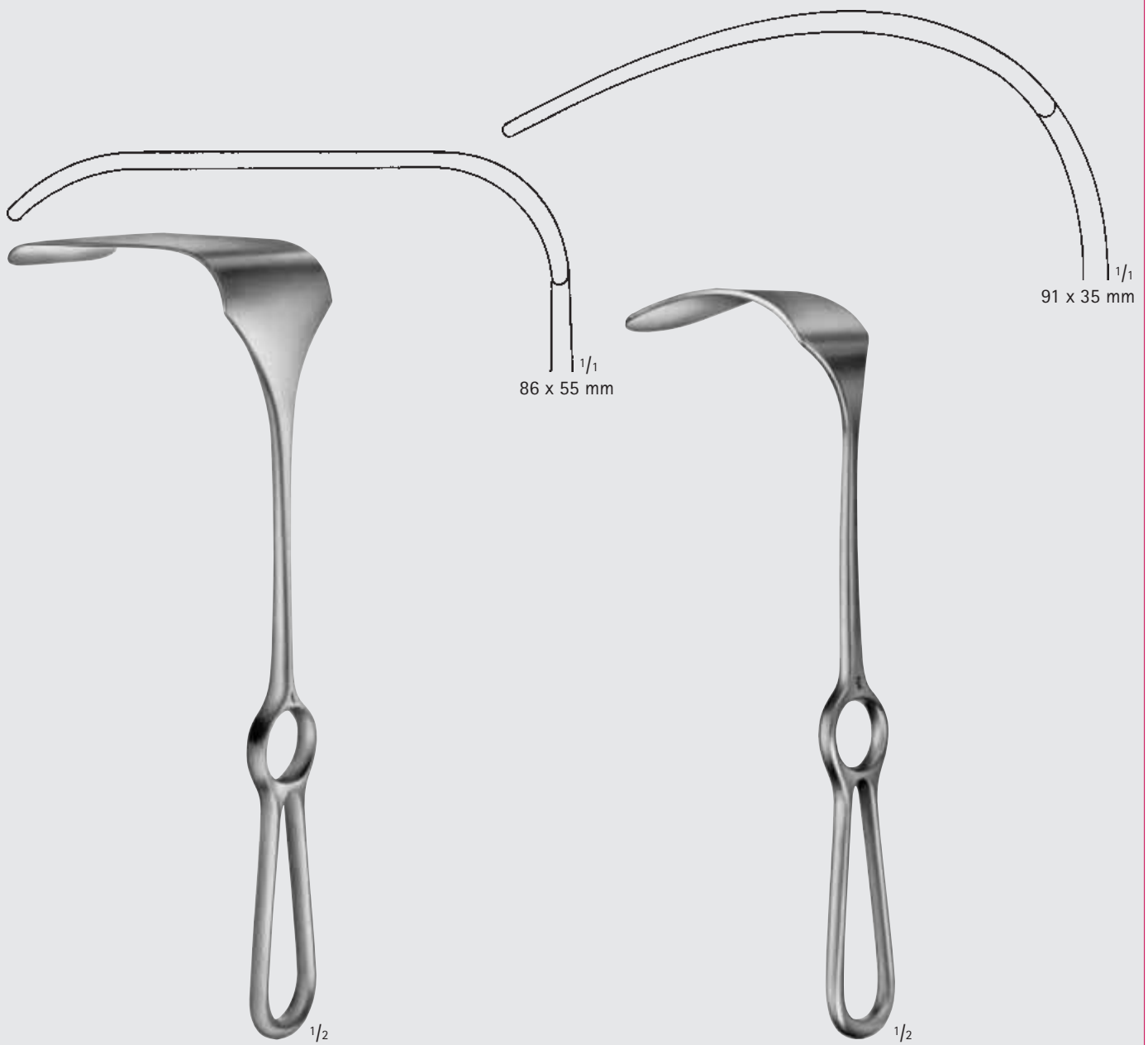




## Wundhaken – Wound Retractors

Wundhaken für Eingriffe in der Tiefe (Bauchdeckenhaken)  
Retractors for Deep Surgery (Abdominal Retractors)

BT



MIKULICZ

BT618R

255 mm, 10"

MIKULICZ

BT621R

240 mm, 9 1/2"

MILLIMETERS

## Wundhaken – Wound Retractors

Wundhaken für Eingriffe in der Tiefe (Bauchdeckenhaken)

Retractors for Deep Surgery (Abdominal Retractors)

Maßangaben für Blattgrößen der Wundhaken

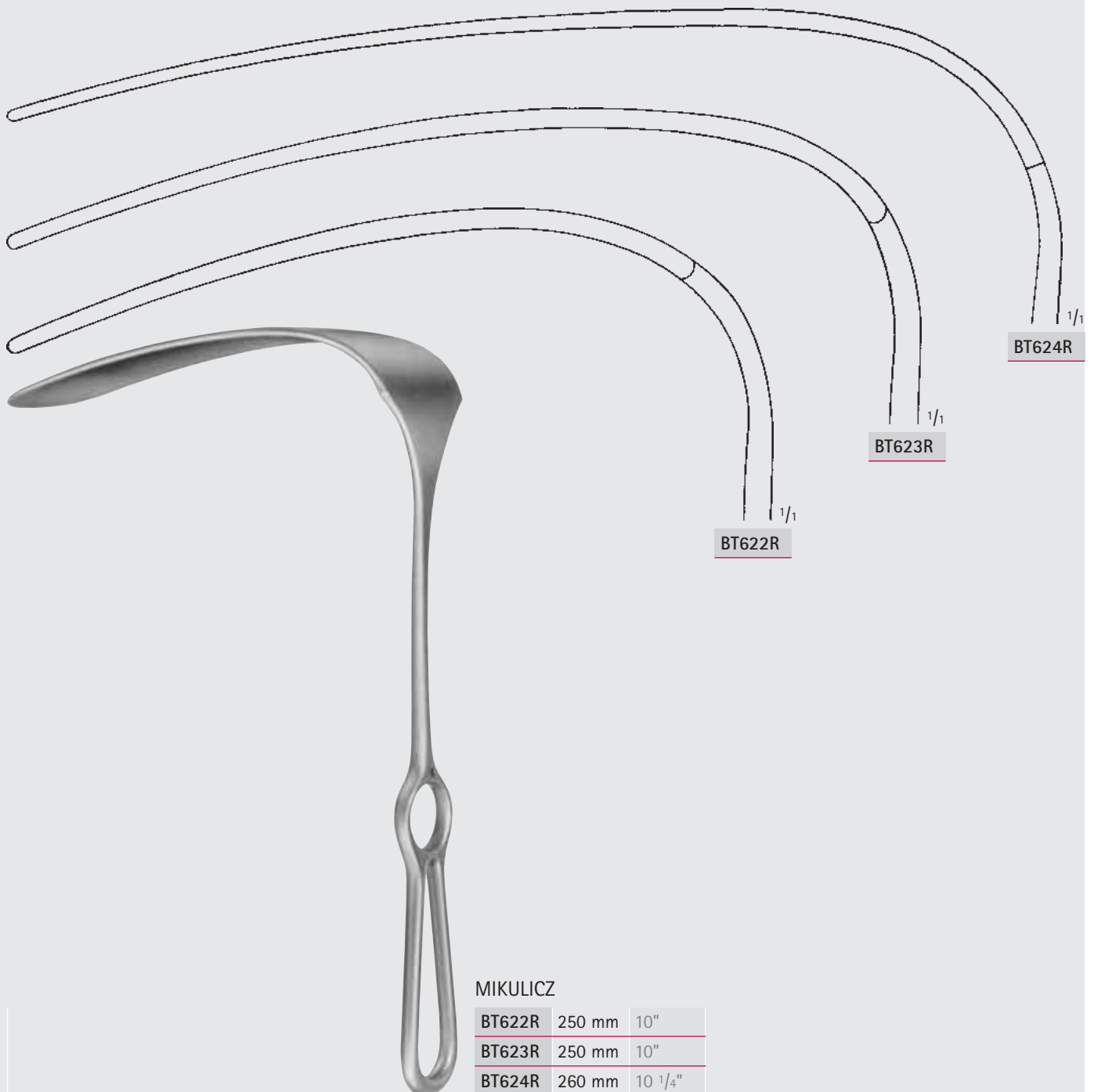
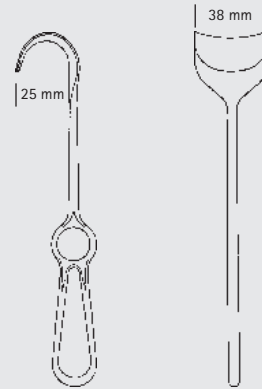
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



MIKULICZ

BT622R	250 mm	10"
BT623R	250 mm	10"
BT624R	260 mm	10 1/4"

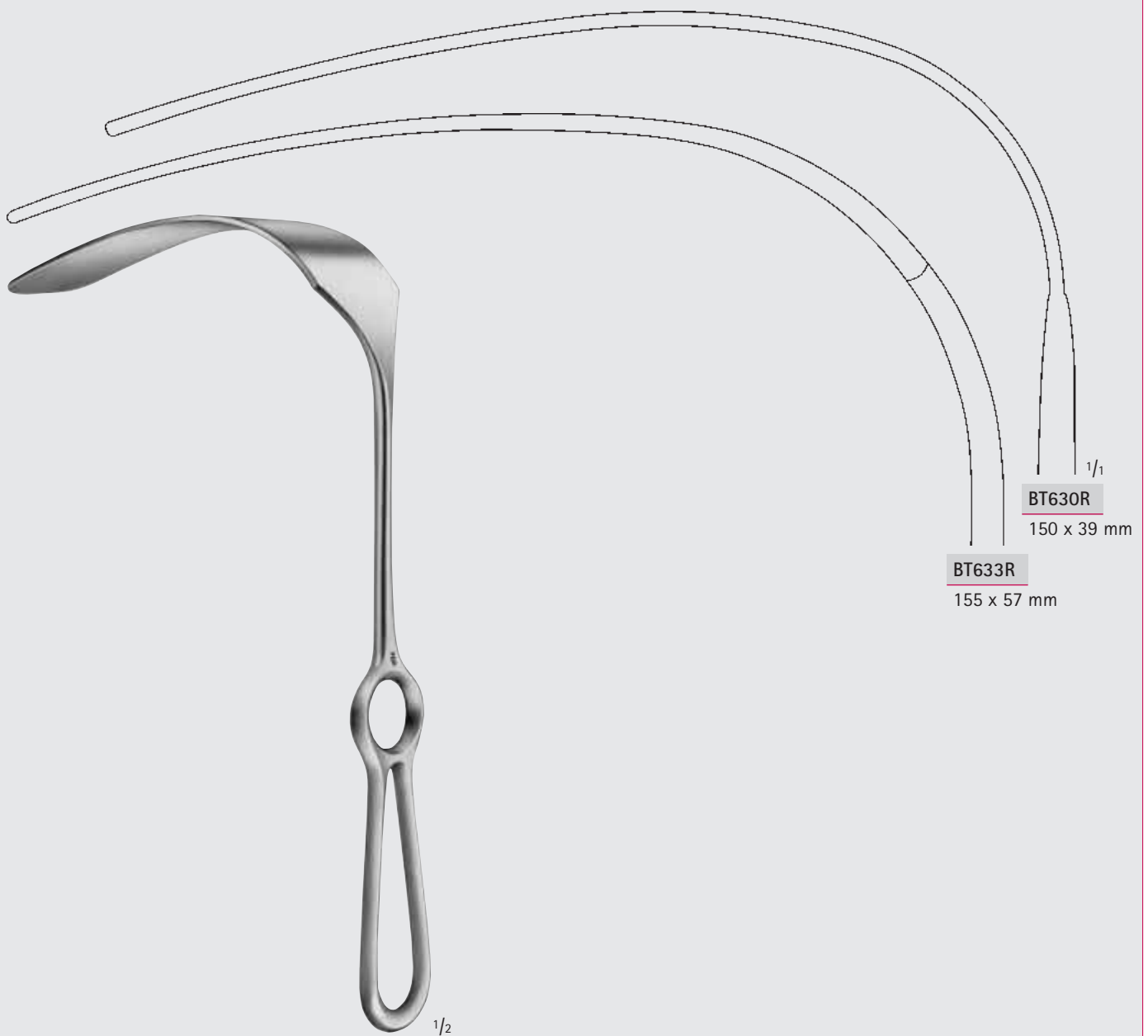




## Wundhaken – Wound Retractors

Wundhaken für Eingriffe in der Tiefe (Bauchdeckenhaken)  
Retractors for Deep Surgery (Abdominal Retractors)

BT



KELLY

BT630R-BT633R

260 mm, 10 1/4"

MILLIMETERS

# Wundhaken – Wound Retractors

Pelvishaken

Pelvis Retractors

BT

Maßangaben für Blattgrößen der Wundhaken

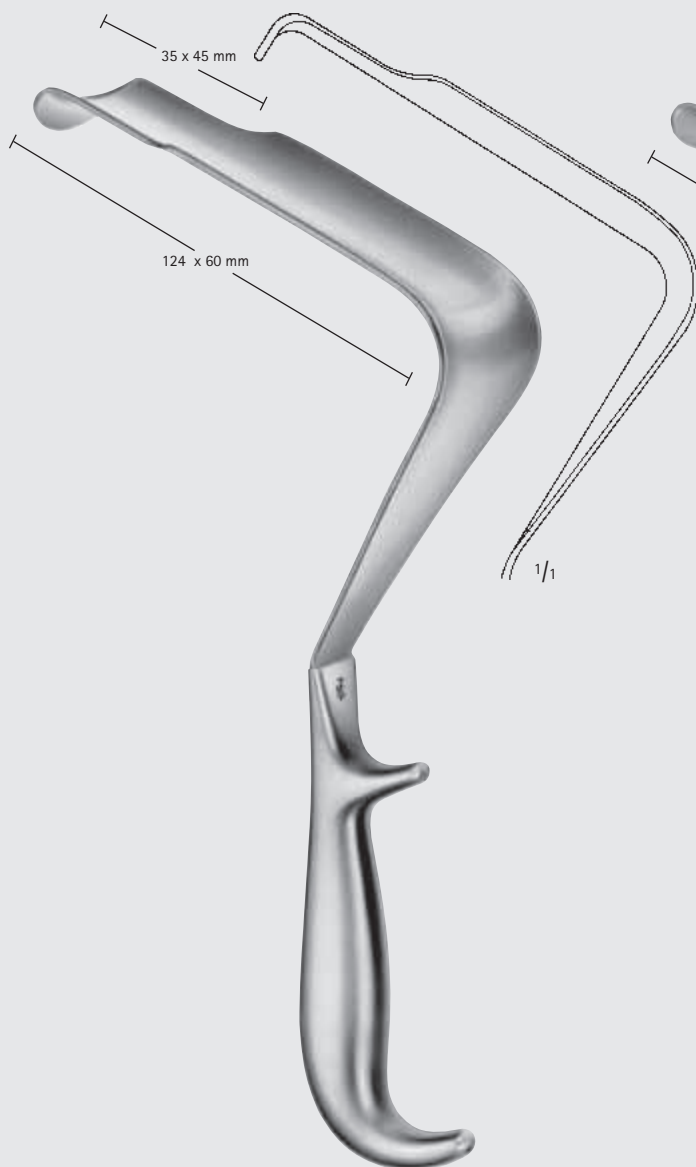
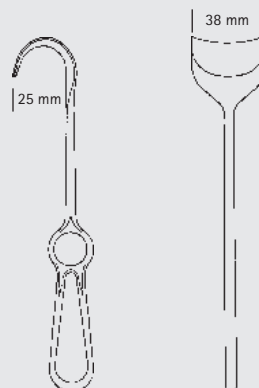
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

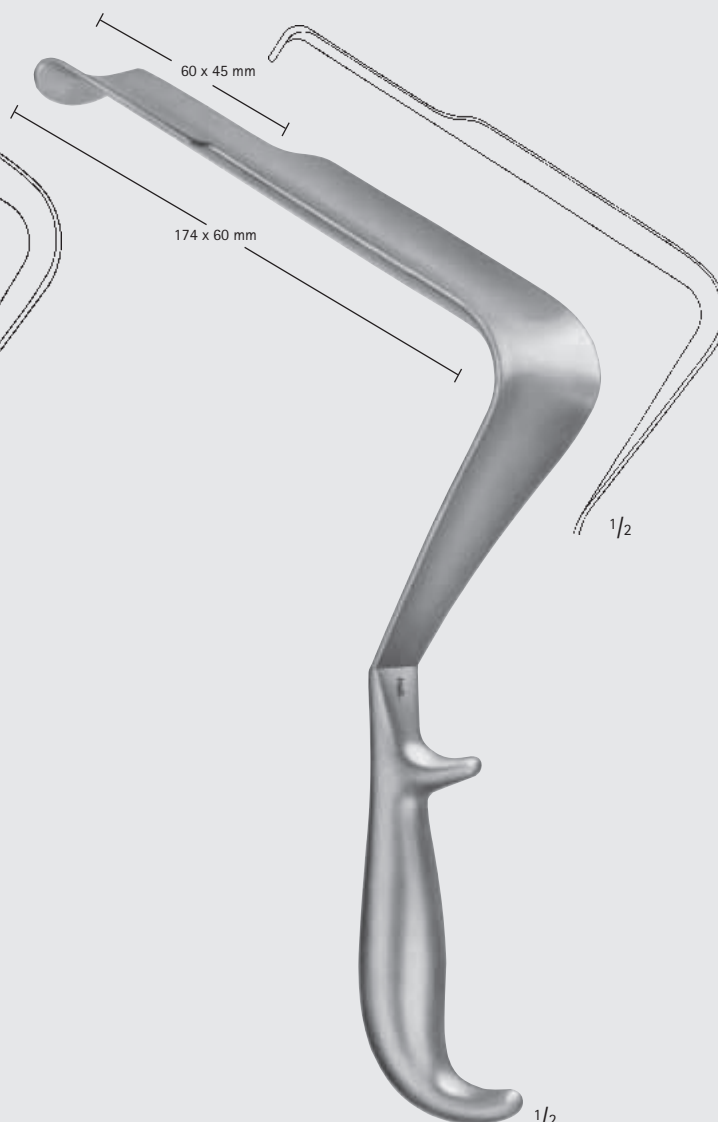
2nd number = width



ST. MARKS

**BT670R**

290 mm, 11 1/2"



ST. MARKS

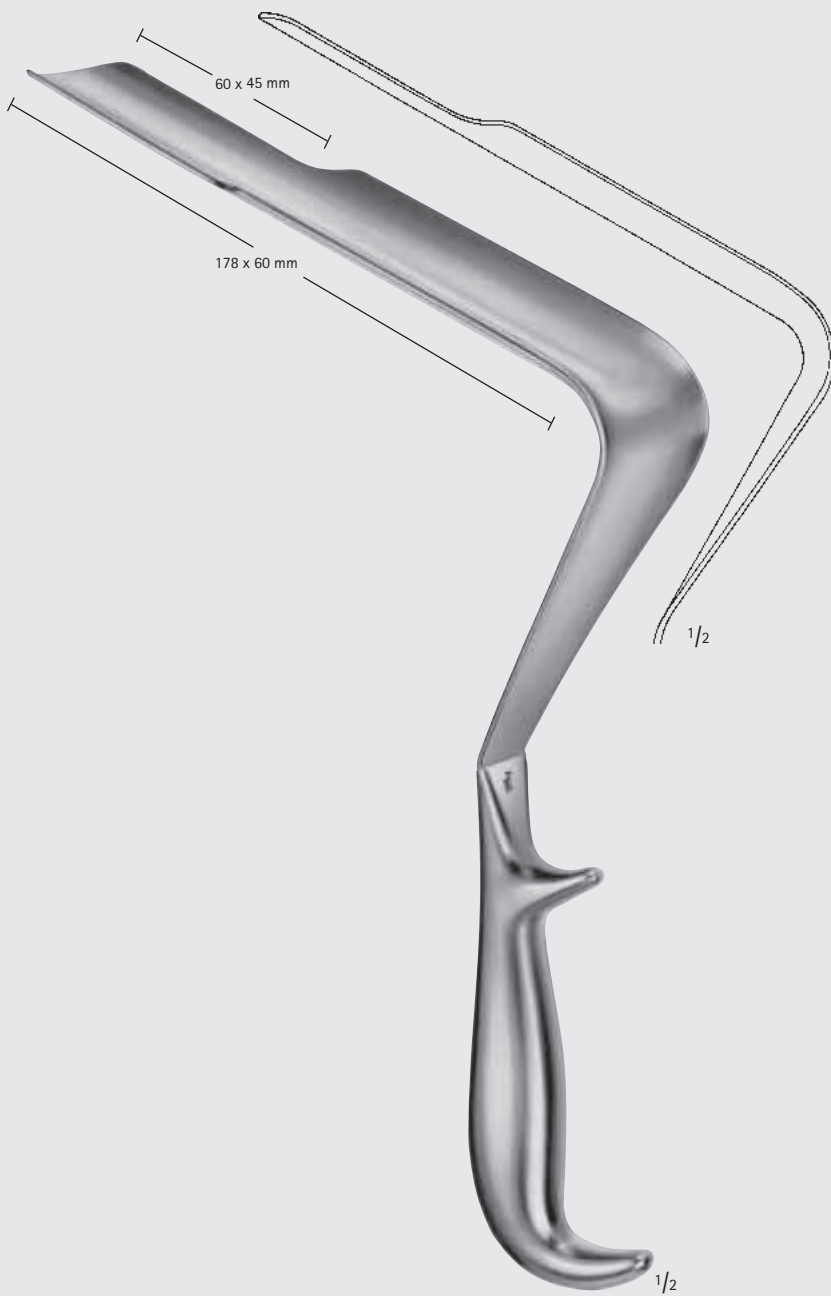
**BT672R**

330 mm, 13 1/8"



Wundhaken – Wound Retractors  
Pelvishaken  
Pelvis Retractors

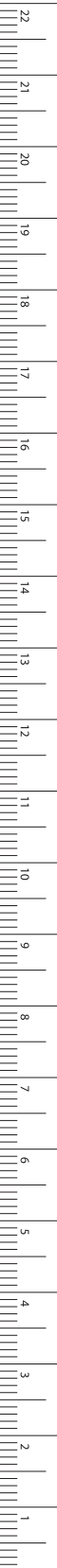
BT



ST. MARKS

BT674R

330 mm, 13 1/8"



## Wundhaken – Wound Retractors

Wundhaken

Retractors

Maßangaben für Blattgrößen der Wundhaken

1. Zahl = Tiefe                      Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth                  Example: 25 x 38 mm

2nd number = width



MÜLLER

BT626R

270 mm, 10 <sup>3</sup>/<sub>4</sub>"

BT





## Wundhaken – Wound Retractors

Wundhaken, Bauchdeckenhaken  
Retractors, Abdominal Retractors

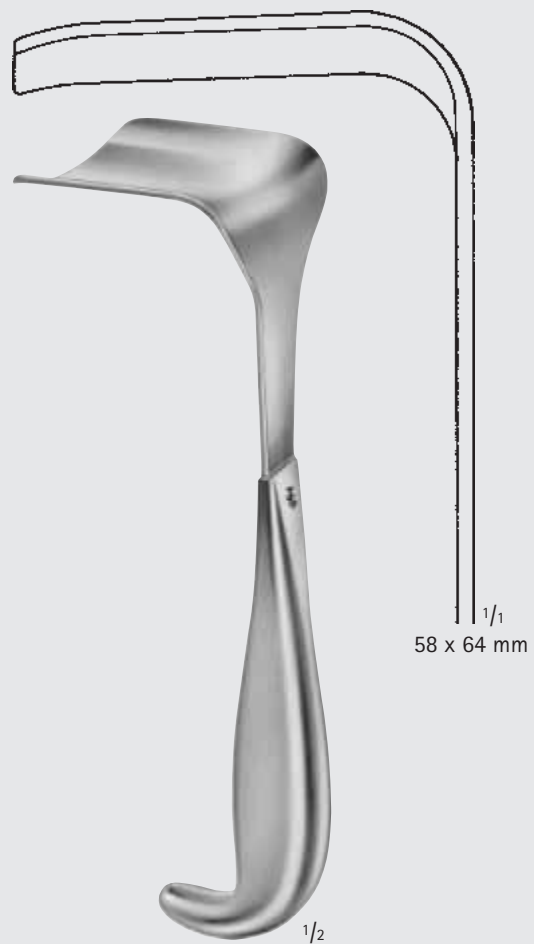
BT



TUDOR-EDWARDS

BT500R

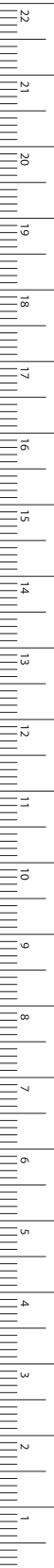
205 mm, 8"



TUFFIER

BT617R

215 mm, 8 1/2"



# Wundhaken – Wound Retractors

Wundhaken, Bauchdeckenhaken

Retractors, Abdominal Retractors

Maßangaben für Blattgrößen der Wundhaken

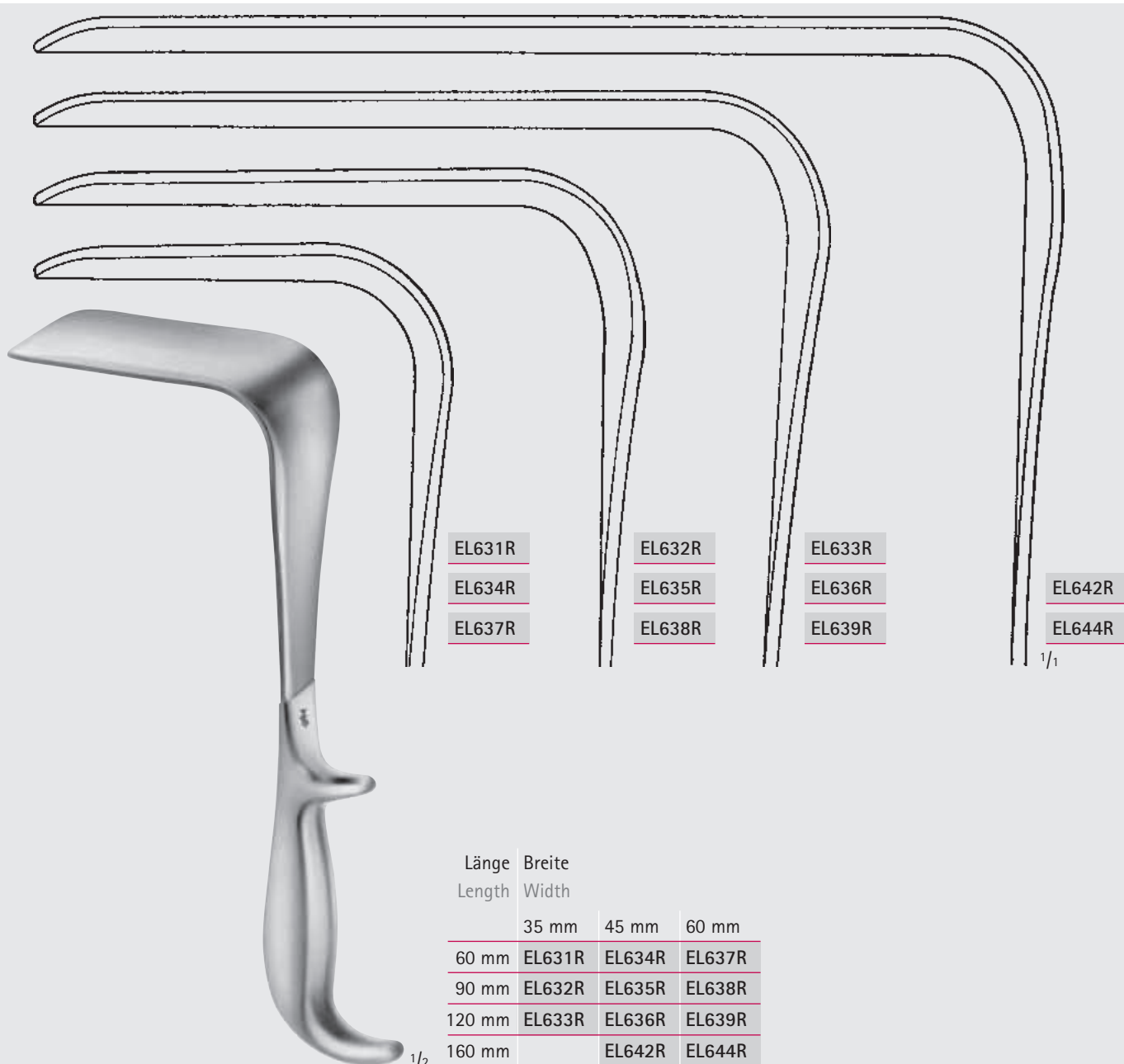
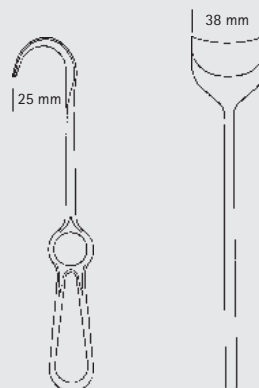
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

2nd number = width



EL631R  
EL634R  
EL637R

EL632R  
EL635R  
EL638R

EL633R  
EL636R  
EL639R

EL642R  
EL644R

Länge Length	Breite Width	35 mm	45 mm	60 mm
60 mm		EL631R	EL634R	EL637R
90 mm		EL632R	EL635R	EL638R
120 mm		EL633R	EL636R	EL639R
160 mm			EL642R	EL644R

DOYEN

EL631R-EL644R

240 mm, 9 1/2"

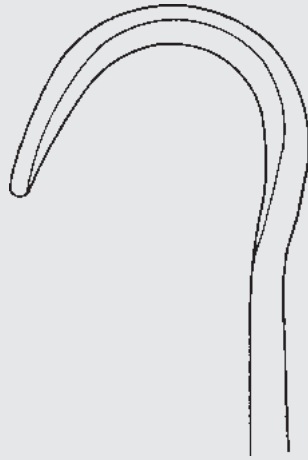
BT





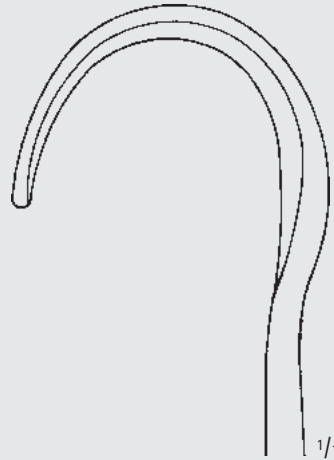
**Wundhaken – Wound Retractors**  
 Wundhaken, Bauchdeckenhaken  
 Retractors, Abdominal Retractors

**BT**



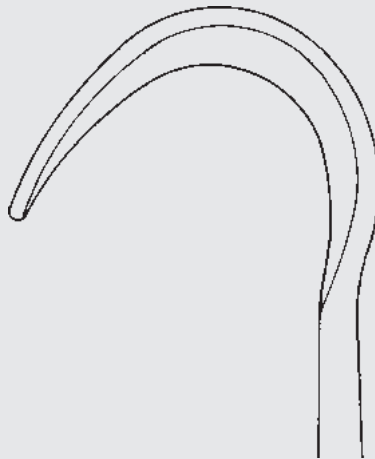
**BT655R**

Fig. 1  
32 x 40 mm



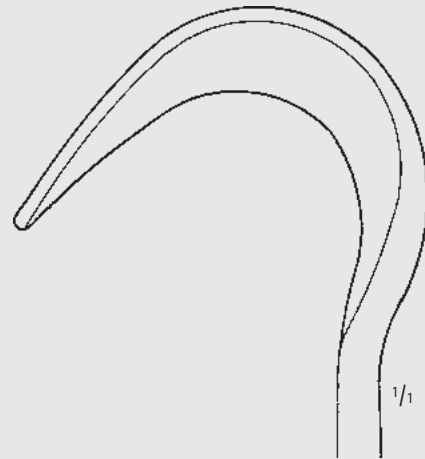
**BT656R**

Fig. 2  
34 x 50 mm



**BT657R**

Fig. 3  
41 x 60 mm



**BT658R**

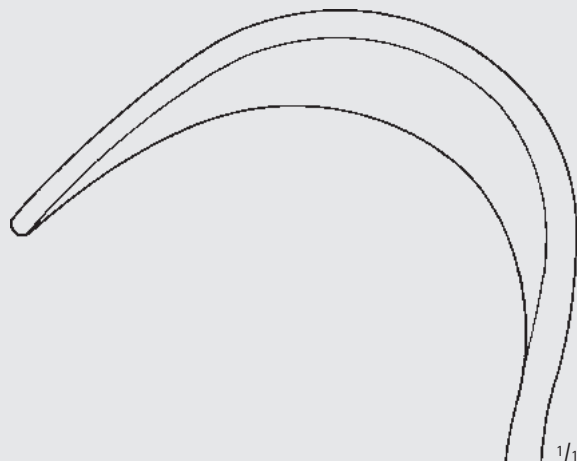
Fig. 4  
46 x 75 mm



FRITSCH

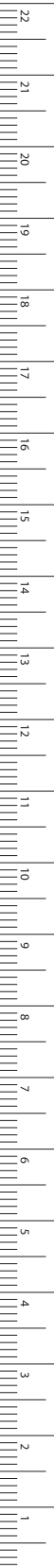
**BT655R-BT659R**

235 mm, 9 1/4"



**BT659R**

Fig. 5  
64 x 85 mm



MILLIMETERS

## Wundhaken – Wound Retractors

Wundhaken, Bauchdeckenhaken

Retractors, Abdominal Retractors

Maßangaben für Blattgrößen der Wundhaken

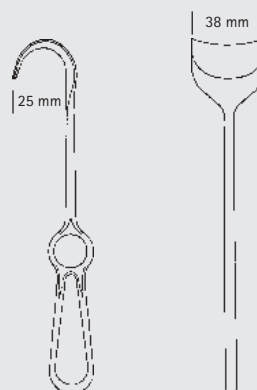
1. Zahl = Tiefe Beispiel: 25 x 38 mm

2. Zahl = Breite

Dimensions for blade size of retractors

1st number = depth Example: 25 x 38 mm

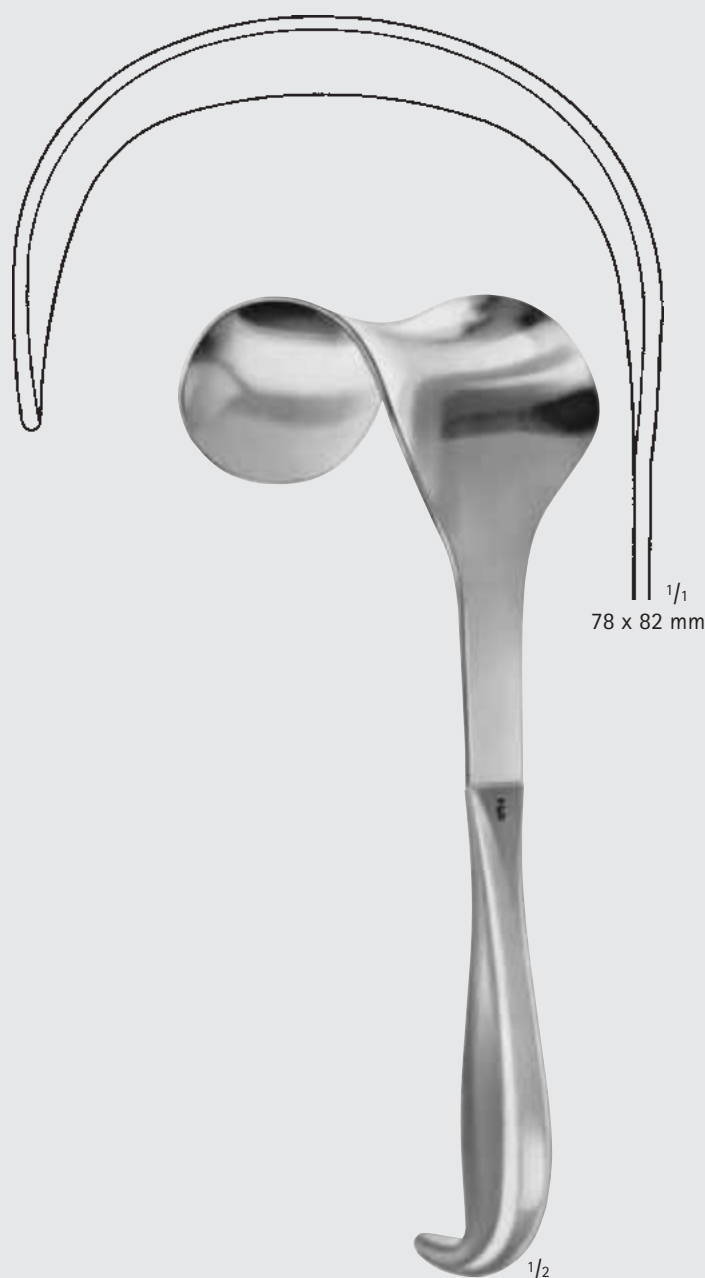
2nd number = width



DOYEN

**BT667R**

250 mm, 10"



DOYEN

**BT669R**

260 mm, 10 1/4"

BT







## Wundhaken – Wound Retractors

Bauchdeckenhaken  
Abdominal Retractors

BT



<sup>1</sup>/<sub>3</sub>

DOYEN

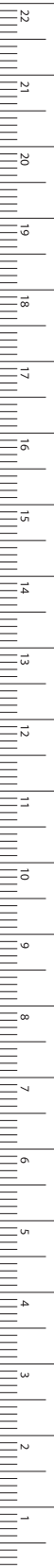
BT721R	48 x 90 mm
BT723R	48 x 105 mm
BT724R	48 x 120 mm
BT725R	48 x 135 mm

280 mm, 11"



BT703R

Kette (BT704R) mit Gewicht (EL747R/645 g)  
Chain (BT704R) with weight (EL747R/645 g)  
790 mm, 31"



MILLIMETERS

## Wundhaken – Wound Retractors

Bauchdeckenhaken

Abdominal Retractors

BT

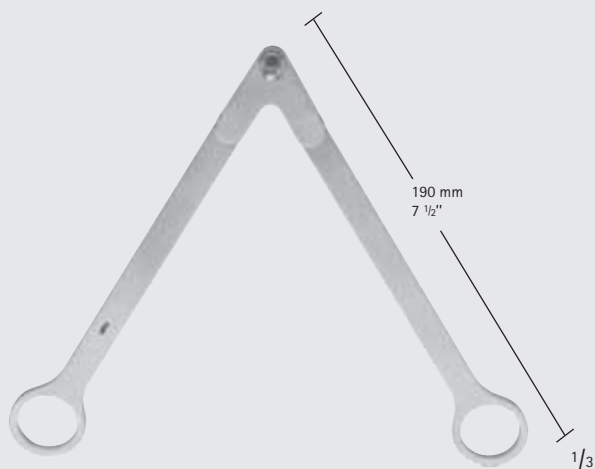


ROCHARD

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"

1/3



ROCHARD

BT710R

Fixiervorrichtung für  
BT711R - BT715R

Fixation device for  
BT711R - BT715R

190 mm, 8"

1/3



ROCHARD

BT710R-BT711R

1/3

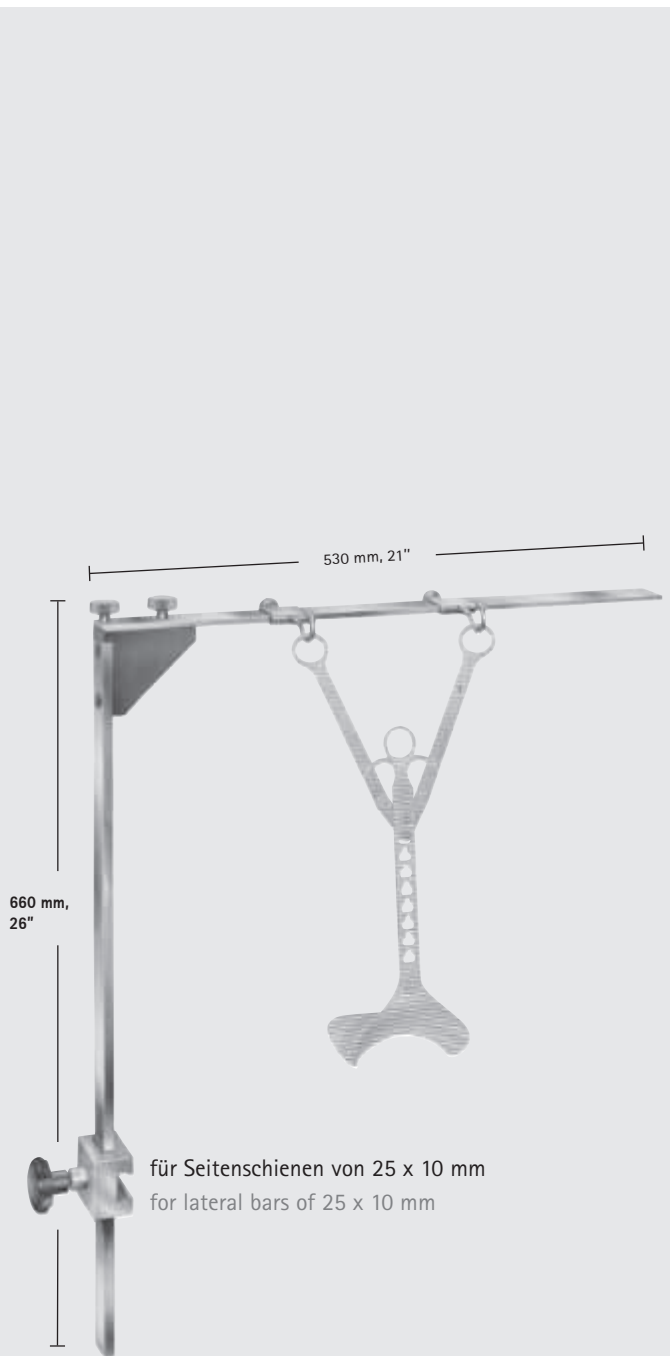


## Wundhaken – Wound Retractors

### Bauchdeckenhaken Abdominal Retractors

BT

Befestigungsgestelle zu verwenden mit:  
BT710R Fixiervorrichtung und  
BT711R - BT715R ROCHARD Bauchdeckenhalter  
Mounting frames to be used with:  
BT710R Fixation device and  
BT711R - BT715R ROCHARD abdominal retractors

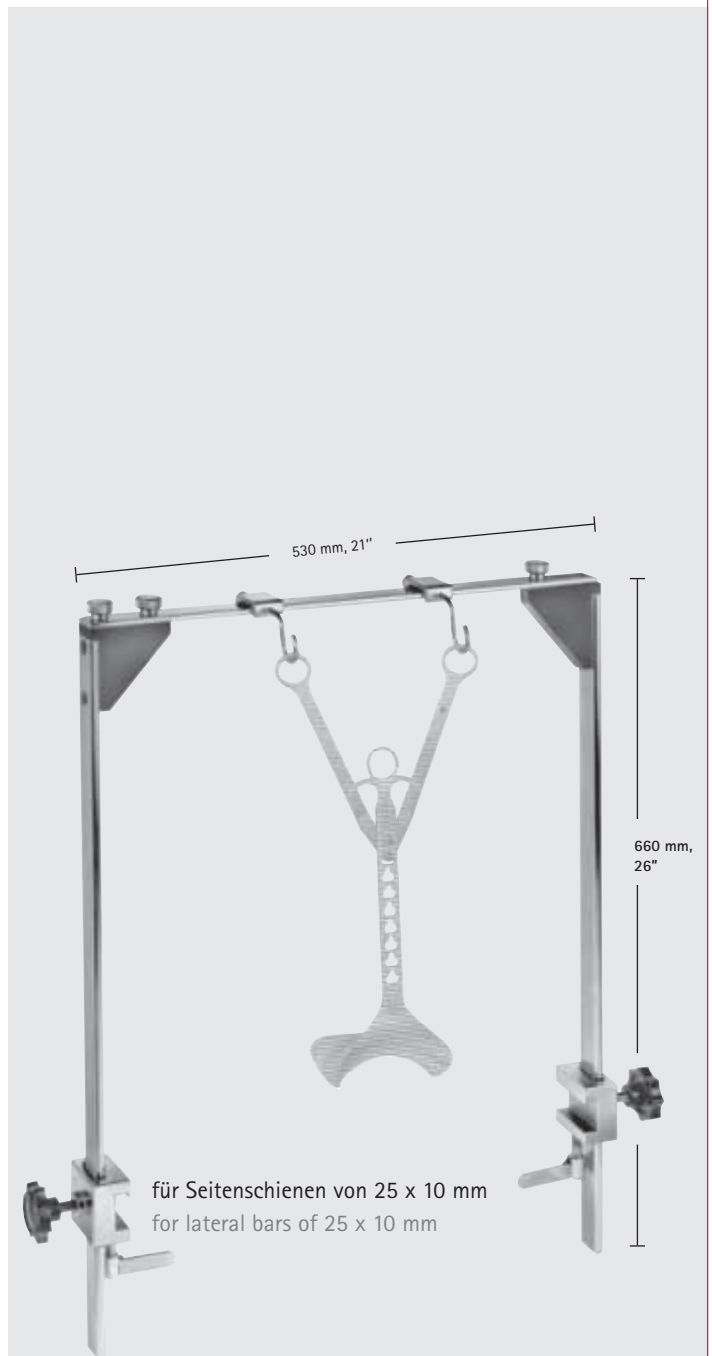


ROCHARD

**BT709R**

Befestigungsgestell zur Fixierung an den Seitenschienen der OP-Tische, zerlegbar zur Aufbereitung und Sterilisation.

Mounting frame for fastening to the lateral bars of the operating tables, can be dismantled for decontamination and sterilization.



ROCHARD

**BT708R**

Befestigungsgestell mit beidseitiger Fixierung an den Seitenschienen der OP-Tische, dadurch mehr Stabilität, zur Aufbereitung und Sterilisation zerlegbar.

Mounting frame for fastening to both sides of the is given, can be dismantled for decontamination and sterilization.



MILLIMETERS

# Wundhaken – Wound Retractors

Bauch- und Darmspatel

Abdominal and Intestinal Spatulas

BT



REVERDIN

**BT749R**

285 mm, 11 1/4"



HABERER

**BT758R**

biegsam  
malleable  
305 mm, 12"



RIBBON

<b>BT756R</b>	25 mm
<b>BT761R</b>	30 mm
<b>BT762R</b>	40 mm
<b>BT763R</b>	50 mm

biegsam  
malleable  
330 mm, 13 1/8"



TUFFIER

**BT750R**

biegsam  
malleable  
200 mm, 8"



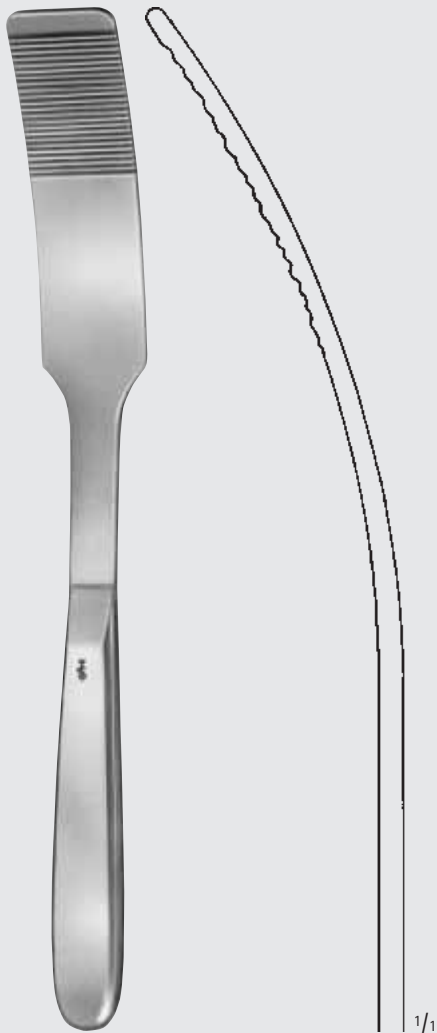
<b>BT751R</b>	12 mm	200 mm	8"
<b>BT752R</b>	17 mm	200 mm	8"
<b>BT755R</b>	25 mm	250 mm	10"

biegsam  
malleable



**Wundhaken – Wound Retractors**  
 Bauch- und Darmspatel  
 Abdominal- and Intestinal Spatulas

**BT**

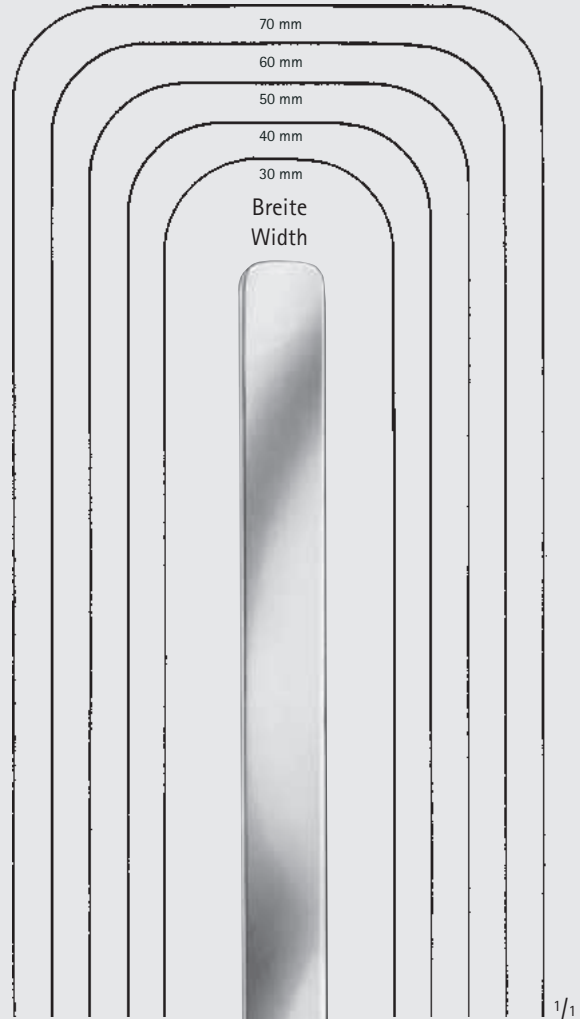


**KADER**

**BT746R** 30 mm

**BT747R** 40 mm

270 mm, 10 3/4"



70 mm

60 mm

50 mm

40 mm

30 mm

Breite

Width

1/1



biegsam  
malleable

**BT773R** 30 mm

**BT774R** 40 mm

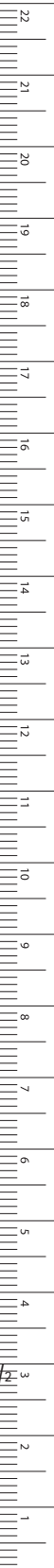
**BT775R** 50 mm

**BT776R** 60 mm

**BT777R** 70 mm

410 mm, 16"

1/2



MILLIMETERS

## Wundhaken – Wound Retractors

Prostata- und Urethra-Retraktoren

Prostate- and Urethral Retractors

BT



1/2

**BT680R**

Prostata-Retraktor

Prostate retractor

360 mm, 14 3/8"



1/2

**BT681R**

Urethra-Retraktor

Urethral retractor

390 mm, 15 1/2"



**Wundhaken – Wound Retractors**  
Kropflöffel, Blutschöpfer  
Depressor, Blood Scoops

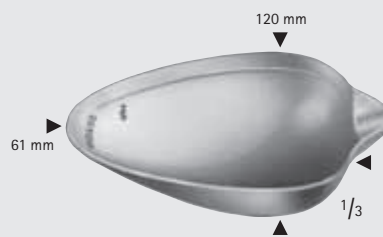
**BT**



**KOCHER**

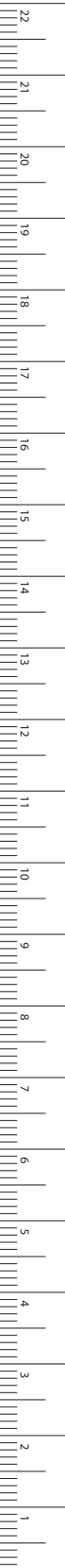
**BT795R**

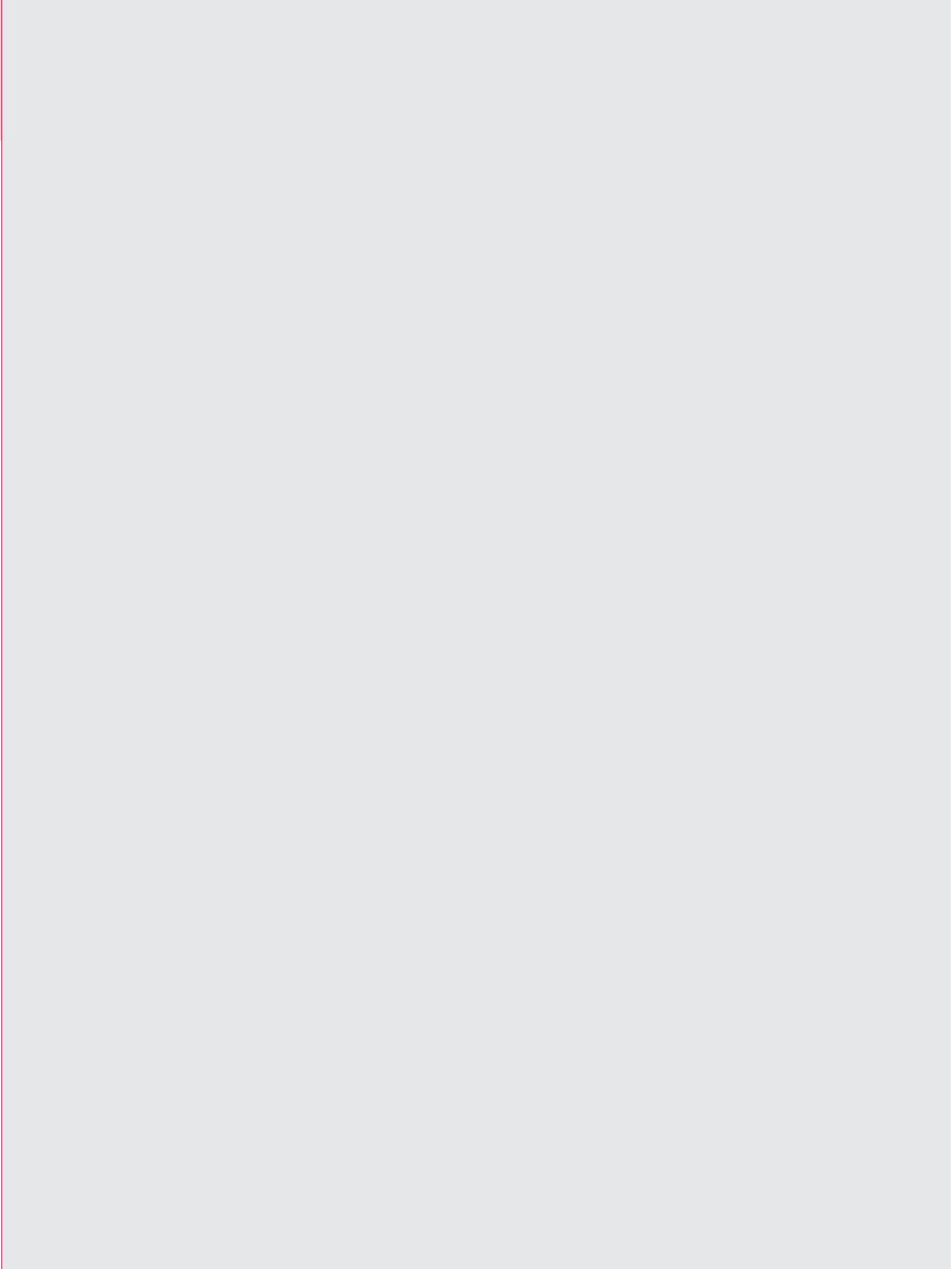
Kropflöffel  
Depressor, spoon shaped  
220 mm, 8 3/4"



**BT780R**

Blutschöpfer, 50 ccm  
Blood scoop, 3 cu. inches










BV



Wundspreizer, Bauchdeckenhalter  
Self-Retaining Retractors,  
Abdominal Retractors

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer

Self-Retaining Retractors

BV



BOSE

**FA001R**

60 mm, 2 3/8"



FINSEN

**BV001R**

50 mm, 2"



FINSEN

**BV002R**

70 mm, 2 3/4"



FINSEN MODIF.

**BV003R**

75 mm, 3"



FINSEN

**BV005R**

70 mm, 2 3/4"



**BV006R**

45 mm, 1 3/4"



**BV007R**

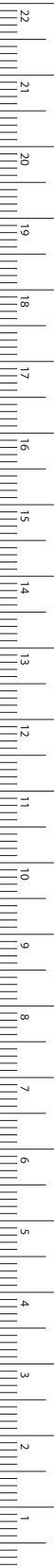
55 mm, 2 1/8"



# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer  
Self-Retaining Retractors

BV



MILLIMETERS



1/2

PARSONNET

**BV014R**

50 mm, 2"



1/1

1/2

**BV008R**

stumpf  
blunt  
100 mm, 4"



1/1

1/2

**BV015R**

scharf  
sharp  
100 mm, 4"



1/2

ALM

**BV010R-BV011R**



BV010R	BV011R
70 mm	100 mm
2 3/4"	4"



1/1



1/2

LOGAN  
MODIF. REILL

**BV013R**

50 mm, 2"

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer, Lidsperrer

Self-Retaining Retractors, Lid Retractors

BV



1/1



1/2

ALLPORT

**BV028R**

95 mm, 3 3/4"



1/1

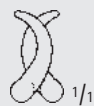


1/2

JANSEN

**BV030R**

100 mm, 4"



1/1



1/2

JANSEN

**BV032R**

100 mm, 4"



1/1



1/2

JANSEN

**BV033R**

100 mm, 4"



1/1



1/2

BARRAQUER

**OA200R**

45 mm, 1 3/4"



1/1



1/2

SAUER

**OA218R**

35 mm, 1 3/8"



1/1



1/2

LANCASTER

**OA225R**

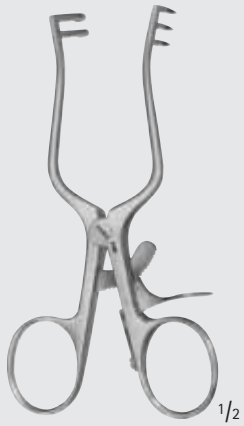
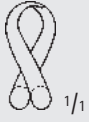
80 mm, 3 1/8"



# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer  
Self-Retaining Retractors

BV



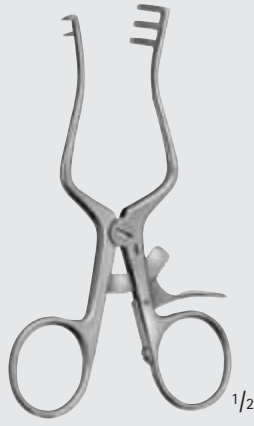
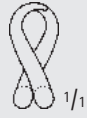
WEITLANER

**BV070R**

scharf

sharp

110 mm, 4 3/8"



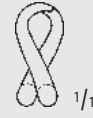
WEITLANER

**BV066R**

halbscharf

semi-sharp

110 mm, 4 3/8"



WEITLANER

**BV073R**

stumpf

blunt

110 mm, 4 3/8"



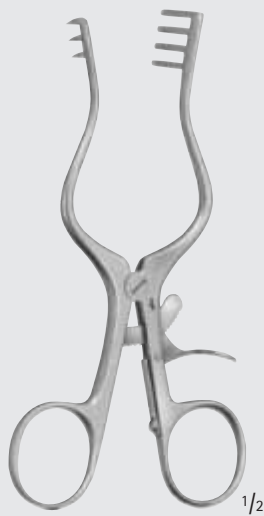
WEITLANER

**BV071R**

scharf

sharp

130 mm, 5 1/8"



WEITLANER

**BV067R**

halbscharf

semi-sharp

130 mm, 5 1/8"



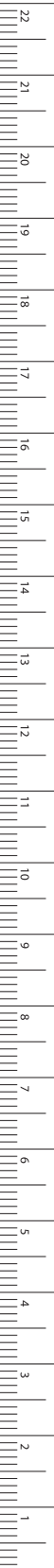
WEITLANER

**BV074R**

stumpf

blunt

130 mm, 5 1/8"



MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer

Self-Retaining Retractors

BV



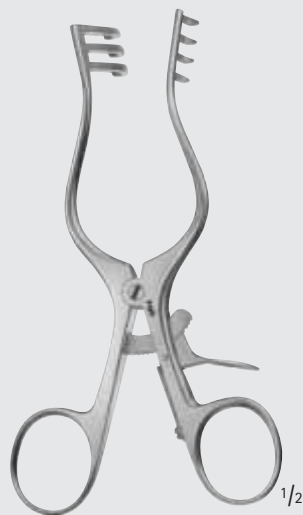
WEITLANER

**BV101R**

scharf

sharp

130 mm, 5 1/8"



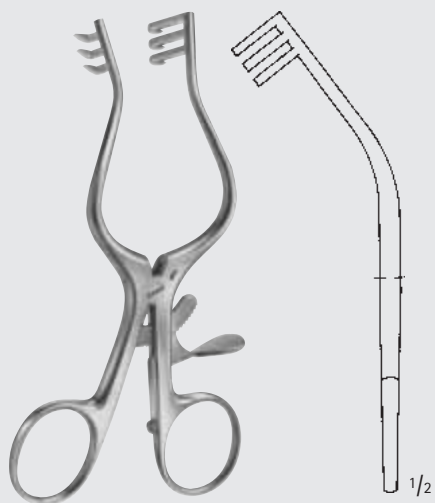
WEITLANER

**BV104R**

stumpf

blunt

130 mm, 5 1/8"



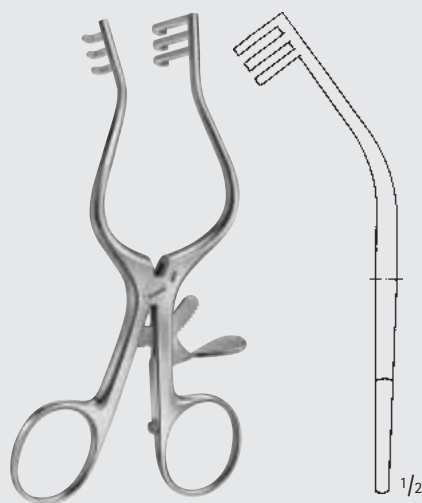
WULLSTEIN

**BV076R**

scharf

sharp

130 mm, 5 1/8"



WULLSTEIN

**BV077R**

stumpf

blunt

130 mm, 5 1/8"





# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer  
Self-Retaining Retractors

BV



WEITLANER

**BV072R**

scharf

sharp

165 mm, 6 1/2"



WEITLANER

**BV068R**

halbscharf

semi-sharp

165 mm, 6 1/2"



WEITLANER

**BV075R**

stumpf

blunt

165 mm, 6 1/2"

20 x 12 mm



35 x 10 mm

ALLENBERG

**BV097R**

Carotis-Sperrer komplett,  
bestehend aus:

BV098R Sperrer allein, stumpf

BV099R Mittelblatt allein,  
120 mm, 4 3/4"

Carotid retractor complete,  
consisting of:

BV098R Retractor only, blunt

BV099R Center blade only,  
120 mm, 4 3/4"

170 mm, 6 3/4"



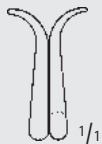
MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer

Self-Retaining Retractors

BV



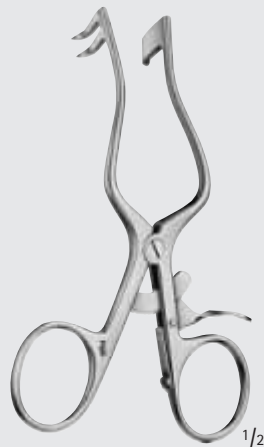
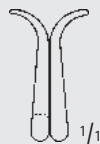
PLESTER

**BV090R**

stumpf

blunt

110 mm, 4 3/8"



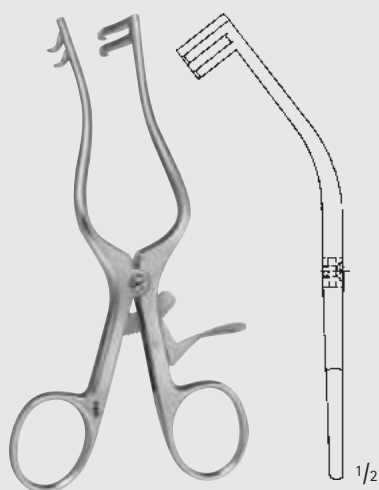
PLESTER

**BV091R**

stumpf

blunt

110 mm, 4 3/8"



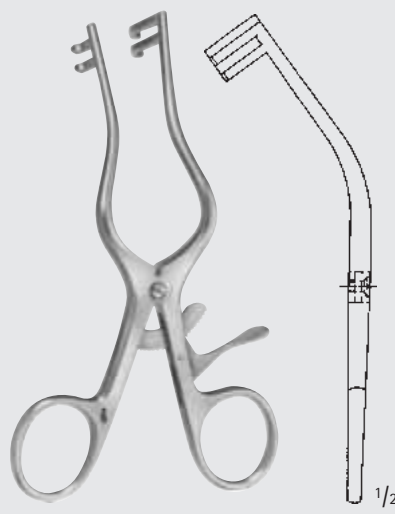
PLESTER

**BV078R**

scharf

sharp

130 mm, 5 1/8"



PLESTER

**BV079R**

stumpf

blunt

130 mm, 5 1/8"

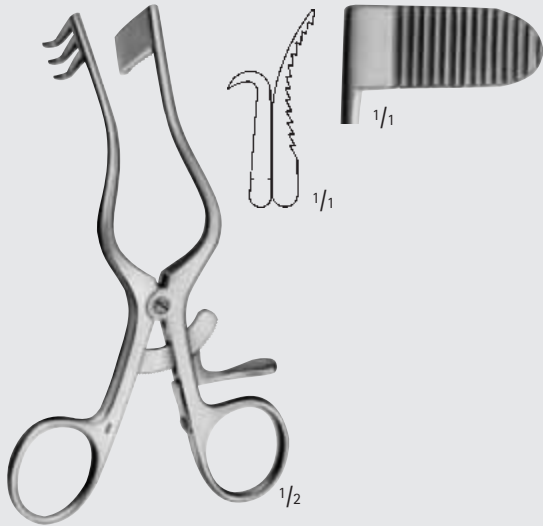




# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer  
Self-Retaining Retractors

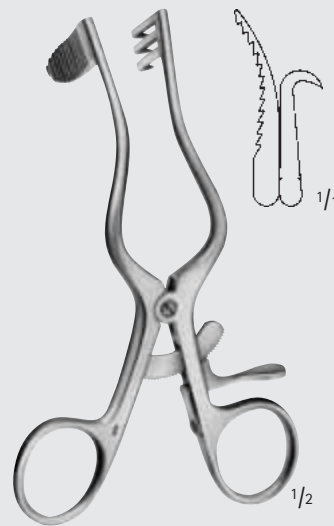
BV



PERKINS

OK794R

130 mm, 5 1/8"



PERKINS

OK795R

130 mm, 5 1/8"



RNTNE HOSPITAL

BV084R

scharf

sharp

165 mm, 6 1/2"



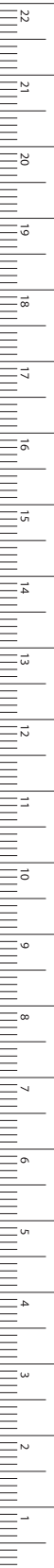
ADSON-BABY

BV085R 140 mm 5 1/2"

BV094R 165 mm 6 1/2"

halbscharf

semi-sharp



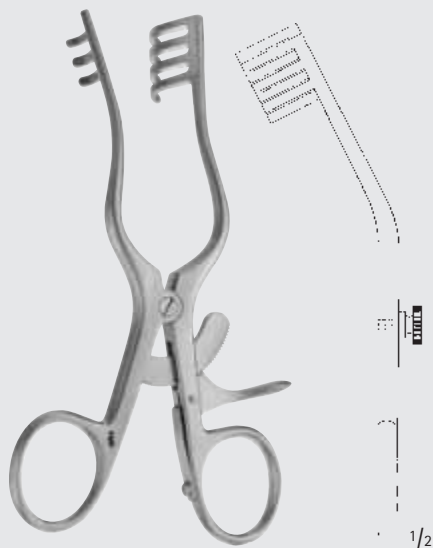
MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer

Self-Retaining Retractors

BV



JEFFERSON

**BV092R**

gebogen, stumpf

curved, blunt

140 mm, 5 1/2"



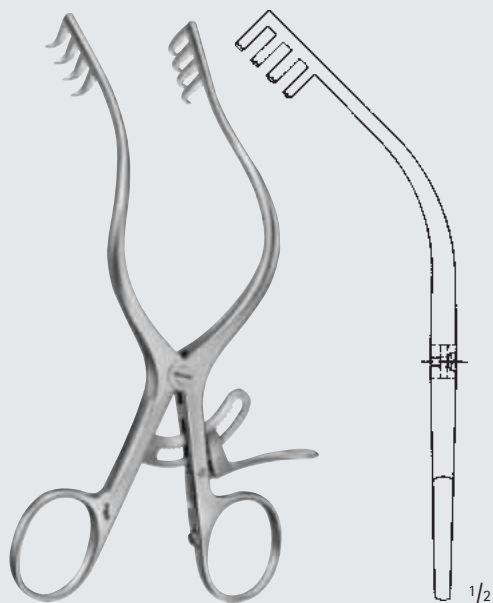
MOLLISON

**BV093R**

scharf

sharp

140 mm, 5 1/2"



MOLLISON

**BV088R**

scharf

sharp

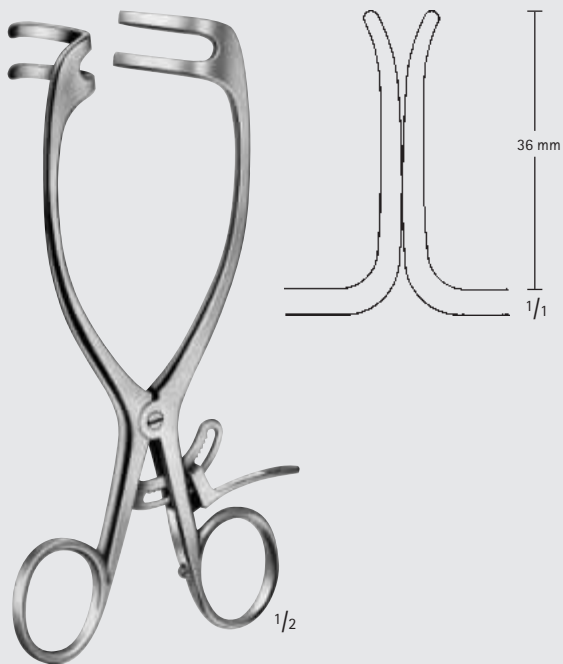
155 mm, 6"



# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer  
Self-Retaining Retractors

BV



MAYO-ADAMS

**BV112R**

165 mm, 6 1/2"



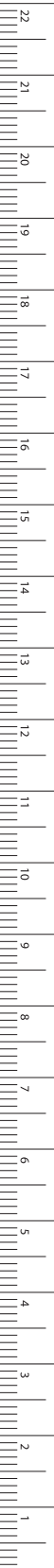
HENDERSON

**BV113R**

scharf

sharp

180 mm, 7"



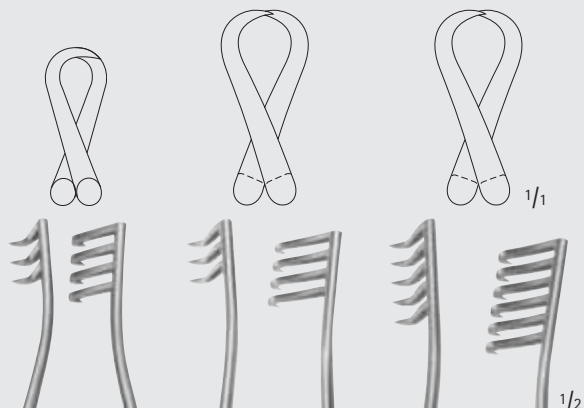
MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

## Wundspreizer

### Self-Retaining Retractors

BV



**BV200R**

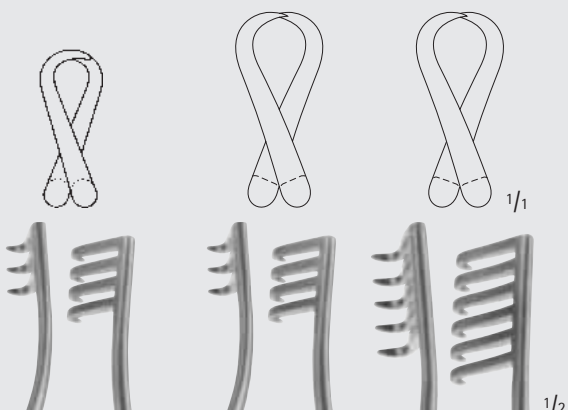
scharf  
sharp  
195 mm  
7 3/4"

**BV206R**

scharf  
sharp  
240 mm  
9 1/2"

**BV208R**

scharf  
sharp  
255 mm  
10"



**BV199R**

halbscharf  
semi-sharp  
195 mm  
7 3/4"

**BV203R**

halbscharf  
semi-sharp  
240 mm  
9 1/2"

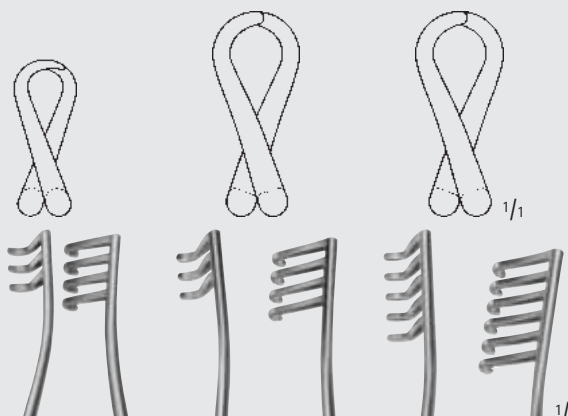
**BV205R**

halbscharf  
semi-sharp  
255 mm  
10"



**WEITLANER**

**BV199R-BV209R**



**BV201R**

stumpf  
blunt  
195 mm  
7 3/4"

**BV207R**

stumpf  
blunt  
240 mm  
9 1/2"

**BV209R**

stumpf  
blunt  
255 mm  
10"



# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer  
Self-Retaining Retractors

BV



IRWIN

**BV247R**

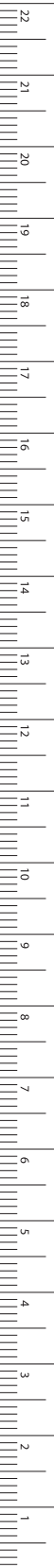
scharf  
sharp  
175 mm, 7"



TRAVERS

**BV249R**

stumpf  
blunt  
215 mm, 8"



MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Laminektomie-Wundspreizer

Self-Retaining Laminectomy Retractors

BV



ANDERSON-ADSON

**BV250R**

scharf

sharp

190 mm, 7 1/2"



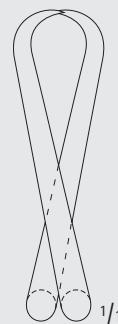
NORFOLK AND NORWICH

**BV248R**

stumpf

blunt

220 mm, 8 3/4"



ADSON

**BV252R**

scharf

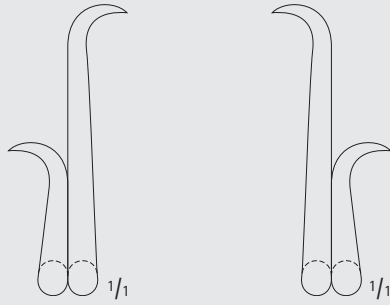
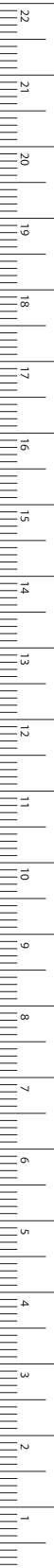
sharp

265 mm, 10 1/2"



Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors  
 Laminektomie-Wundspreizer  
 Self-Retaining Laminectomy Retractors

BV



BV255R

BV254R-BV255R

Hemilaminektomiespreizer  
 scharf  
 Hemi-laminectomy retractor  
 sharp  
 280 mm, 11"



CONE

BV260R

scharf  
 sharp  
 265 mm, 10 1/2"

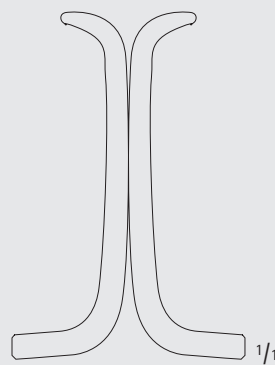
MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Laminektomie-Wundspreizer

Self-Retaining Laminectomy Retractors

BV



BECKMANN-ADSON

BECKMANN-ADSON

HARVEY-JACKSON

**BV271R**

**BV272R**

**BV258R**

halbscharf  
semi-sharp  
310 mm, 12"

scharf  
sharp  
310 mm, 12"

scharf  
sharp  
280 mm, 11"



Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors  
 Laminektomie-Wundspreizer  
 Self-Retaining Laminectomy Retractors

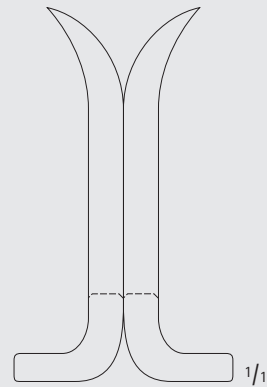
BV



ADSON

**BV273R**

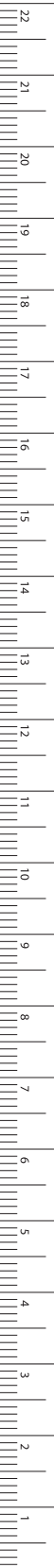
halbscharf  
 semi-sharp  
 320 mm, 12 3/4"



BECKMANN-EATON

**BV276R**

scharf  
 sharp  
 320 mm, 12 3/4"



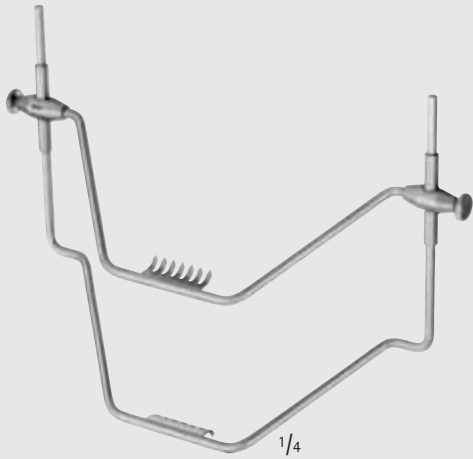
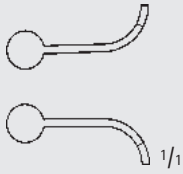
MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Spezialwundspreizer

Special Retractors

BV



**BV086R**

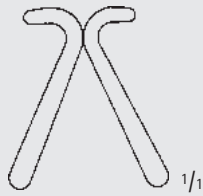
Strumaspreizer  
Thyroid retractor



JOLL (FRIEDMANN)

**BV087R**

Thyreoid- und Vulva-Spreizer  
Thyroid- and vaginal retractor  
155 mm, 6"



JACKSON-BURROWS

**BV993R**

Wundspreizer, stumpf  
Retractor, blunt  
185 mm, 7 1/4"

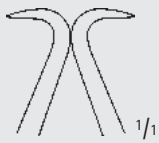




# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Spezialwundspreizer  
Special Retractors

**BV**



GELPI

**BV996R**

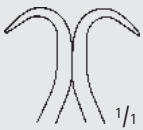
Vulva-Spreizer  
Vaginal retractor  
135 mm, 5 1/4"



GELPI

**BV997R**

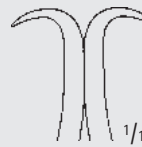
Haut- und Vulva-Spreizer  
Skin- and vaginal retractor  
175 mm, 7"



DE BAKEY

**BV998R**

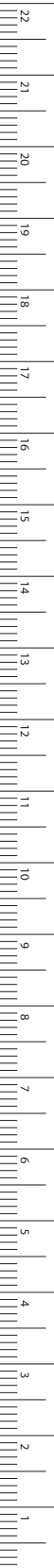
Femur-Wundspreizer für Kinder  
Femur retractor for children  
100 mm, 4"



DE BAKEY

**BV999R**

Femur-Wundspreizer  
Femur retractor  
145 mm, 5 3/4"



MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Trachealdilatatoren

Tracheal Dilators

BV



TROUSSEAU

FA005R

120 mm, 4 3/4"



LABORDE

FA006R

125 mm, 5"



LABORDE

FA007R

kräftiges Modell  
strong pattern

135 mm, 5 1/4"





## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Iliaca-Sperrer  
Iliaca Retractor

BV



**BV712T**  
30 x 30 mm



**BV713T**  
90 x 60 mm



**BV709R**  
Pinzette zum  
Valvenwechsel  
Forceps for changing  
the blades  
130 mm, 5 1/8

### ALLENBERG

#### **BV710R**

Iliaca-Sperrer komplett,  
bestehend aus:

- BV711R Sperrer allein
- BV712T Retraktorblatt lateral
- BV713T Retraktorblatt medial

Iliac retractor complete,  
consisting of:

- BV711R Retractor only
- BV712T Retractor blade lateral
- BV713T Retractor blade medial

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 rechtseitig eingesetzt werden.

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.

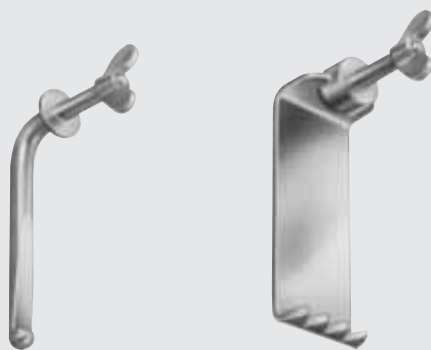


MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer für Laminektomie und andere Applikationen  
Self-Retaining Retractors for Laminectomy and Other Applications

BV



SCOVILLE

**BV403R**

55 mm

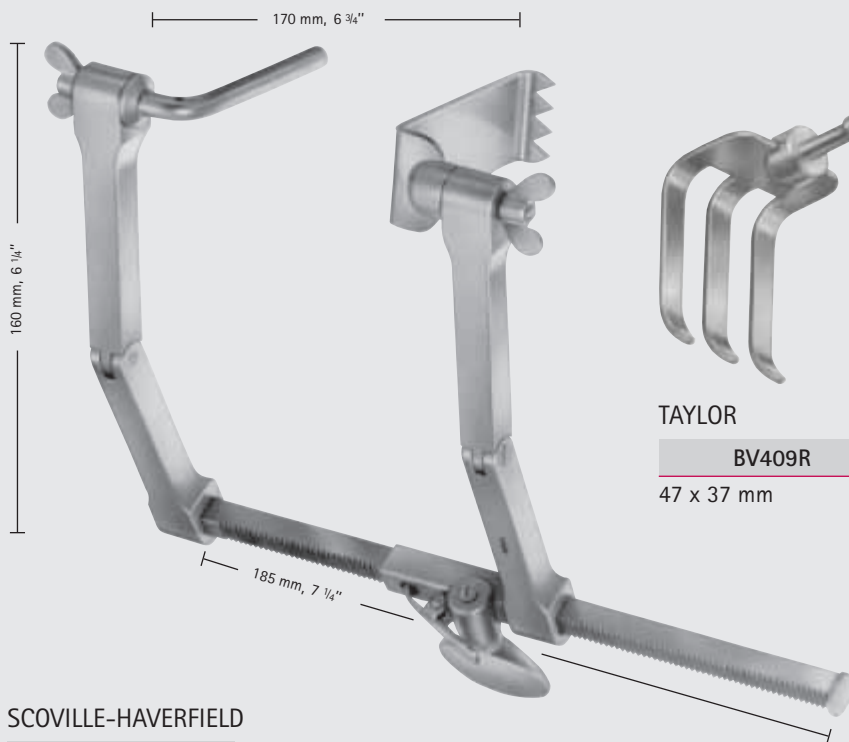
SCOVILLE

**BV405R**

63 x 25 mm

**BV406R**

63 x 51 mm



TAYLOR

**BV409R**

47 x 37 mm

TAYLOR

**BV411R**

62 x 52 mm

## SCOVILLE-HAVERFIELD

**BV400R**

Sperrer komplett,  
bestehend aus:

- BV401R Rahmen allein
- BV403R Haken
- BV405R Blatt

Retractor complete,  
consisting of:

- BV401R Frame only
- BV403R Hook
- BV405R Blade



## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

### Wundspreizer für Laminektomie und andere Applikationen

### Self-Retaining Retractors for Laminectomy and Other Applications



#### Aesculap Kugelschnellverschluss an Sperrern und Blättern

##### Vorteile:

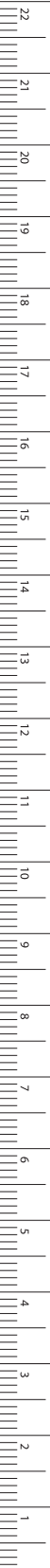
- Sicheres Arretieren der Blätter ohne zusätzliche Verriegelung.
  - Verhindert Herausfallen der Blätter aus den Sperrern, auch beim Anreichen.
  - Glatte Oberfläche, dadurch können Ligaturfäden nicht hängenbleiben.
- Schnelles, problemloses Auswechseln der Blätter, auch intraoperativ.
- Universelle Kombinationsmöglichkeiten der verschiedenen Sperrmodelle untereinander.
  - Dadurch optimale Auswahl der Blattgrößen entsprechend den jeweiligen operativen Erfordernissen.

#### Aesculap ball snap system on spreaders and blades

##### Advantages:

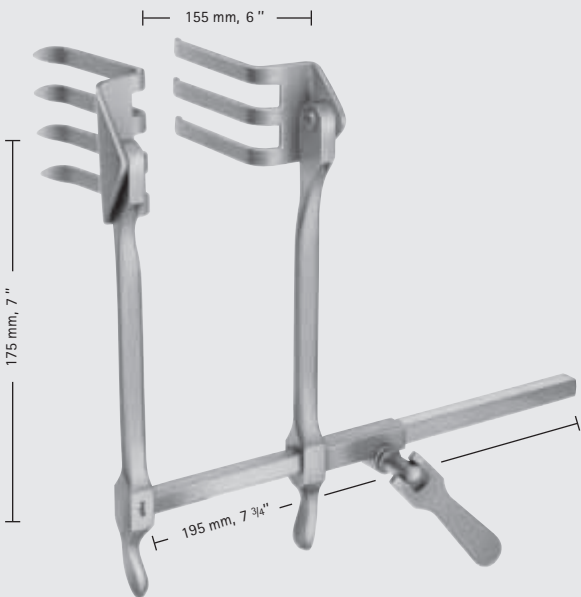
- Without additional fixation blades are safely locked
  - and can therefore not fall off the retractor shanks even the instrument is passed on to the surgeon
  - no risk of catching suture due to smooth surface
- Without any trouble blades can be quickly exchanged also during the operation
- Different retractors patterns can be universally combined and exchanged at random, which allows
  - optimum selection of the blade size according to surgical needs.

BV



#### KUGELSCHNELLVERSCHLUSS

#### BALL SNAP CLOSURE



**BV516R**

62 x 52 mm  
PAA = Paar

62 x 37 mm

**BV517R**

47 x 51 mm



**BV518R**

30 x 40 mm



**BV519R**

37 x 62 mm

#### SCOVILLE-RICHTER

##### **BV510R**

Sperrer komplett,  
umlegbares Modell  
bestehend aus:

BV509R Sperrer allein  
BV516R Blätter (Paar)

Kann in angelegtem Zustand zum Tücherwechsel  
usw. auf die andere Seite umgelegt werden.

Retractor complete,  
reversible type  
consisting of:


BV509R Retractor only  
BV516R Blades (pair)

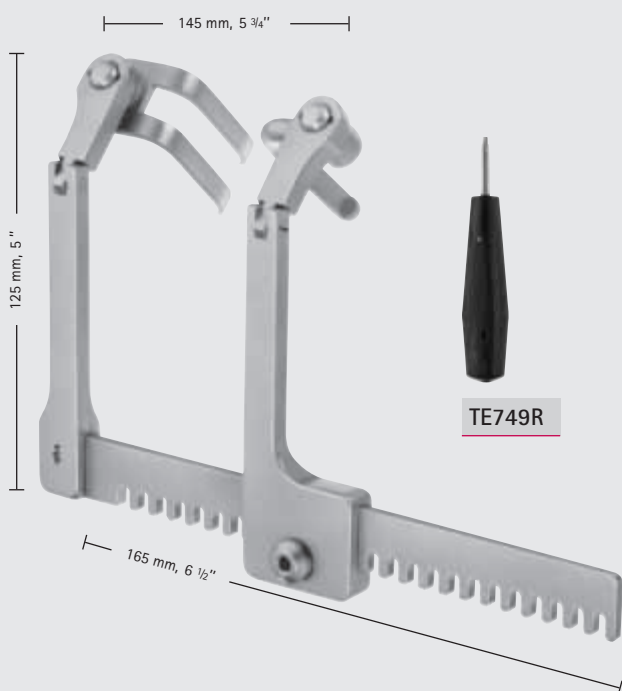
The retractor bar and shanks may be easily rotated  
180° when blades are in situ.

MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Wundspreizer für die Wirbelsäule  
Self-Retaining Retractors for Spine

 KUGELSCHNELLVERSCHLUSS MIT VERDREHSICHERUNG  
BALL SNAP CLOSURE WITH TORRSION LOCK



**TE749R**



**BV435R**

Haken  
Hook  
38 mm

**BV437R**

Haken  
Hook  
58 mm

Blätter  
Blades

<b>BV441R</b>	32 x 22 mm
<b>BV442R</b>	37 x 22 mm
<b>BV443R</b>	42 x 22 mm
<b>BV444R</b>	47 x 22 mm
<b>BV445R</b>	52 x 22 mm
<b>BV446R</b>	57 x 22 mm
<b>BV447R</b>	62 x 22 mm
<b>BV448R</b>	67 x 22 mm

## CASPAR

### **BV450R**

Sperrer komplett,  
für Laminektomie und Hemi-Laminektomie,  
lumbal, thorakal und cervical einzusetzen  
bestehend aus:

- BV449R Sperrer allein, mit Drehschlüssel TE749R
- BV435R Haken
- BV442R Blatt
- BV443R Blatt
- BV444R Blatt
- BV445R Blatt
- BV446R Blatt

Retractor complete,  
for laminectomy and hemi-laminectomy,  
lumbar, thoracic and cervical available  
consisting of:

- BV449R Retractor only, with key TE749R
- BV435R Hook
- BV442R Blade
- BV443R Blade
- BV444R Blade
- BV445R Blade
- BV446R Blade



Blätter  
Blades

<b>BV451R</b>	32 x 37 mm
<b>BV452R</b>	37 x 37 mm
<b>BV453R</b>	42 x 37 mm
<b>BV454R</b>	47 x 37 mm
<b>BV455R</b>	52 x 37 mm
<b>BV456R</b>	57 x 37 mm
<b>BV457R</b>	62 x 37 mm
<b>BV458R</b>	67 x 37 mm

Blätter  
Blades

<b>BV461R</b>	32 x 52 mm
<b>BV462R</b>	37 x 52 mm
<b>BV463R</b>	42 x 52 mm
<b>BV464R</b>	47 x 52 mm
<b>BV465R</b>	52 x 52 mm
<b>BV466R</b>	57 x 52 mm
<b>BV467R</b>	62 x 52 mm
<b>BV468R</b>	67 x 52 mm





# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

## Universal-Wirbelsäulensperrer Universal Retractor System

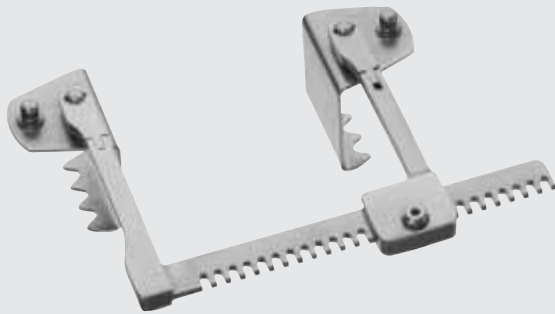
### Universal-Wirbelsäulensperrer

Der selbsthaltende CASPAR-Universal-Wirbelsäulensperrer ermöglicht eine sichere Retraktion und spart durch seine abnehmbaren Griffe Platz im OP-Feld.

### Universal Spinal Retractor System

The self-retaining CASPAR universal spinal retractor permits safe retraction and saves space in the operation area due to the removable handles.

**BV**



### CASPAR

**BV449R**

Sperrer ohne Blätter  
Retractor without blades

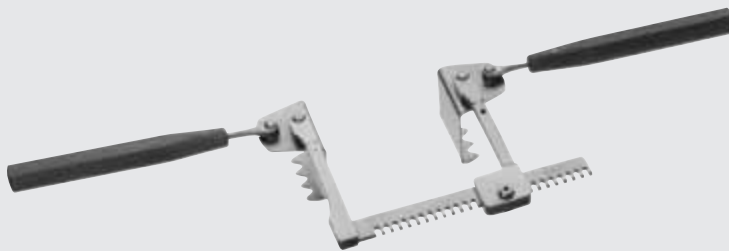


**BV413R**

Handgriff  
Handle

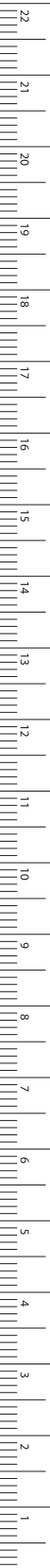
Blätter  
Blades

<b>BV414R</b>	50 x 44 mm
<b>BV415R</b>	50 x 54 mm
<b>BV416R</b>	50 x 74 mm
<b>BV417R</b>	50 x 89 mm



**TE749R**

Drehschlüssel  
Key for socket-head screw




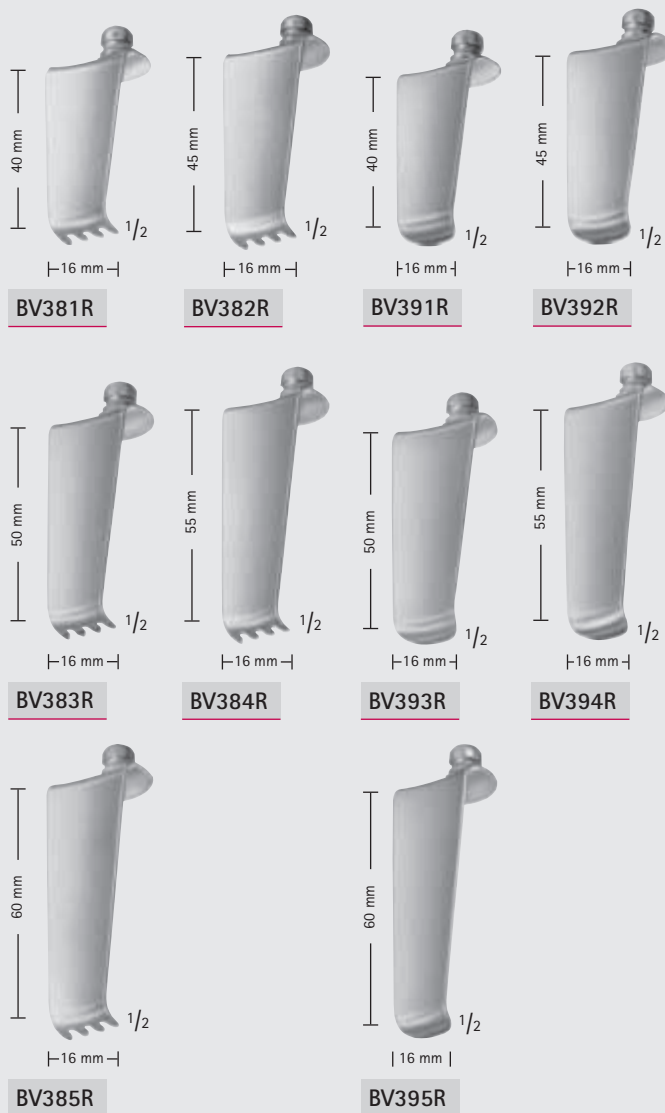
MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

## Wundspreizer für cervicale Wirbelsäule

### Retractors for Cervical Spine

 KUGELSCHNELLVERSCHLUSS MIT VERDREHSICHERUNG  
BALL SNAP CLOSURE WITH TORRSION LOCK



#### CLOWARD MODIF.

**BV380R**

Sperrer komplett,  
bestehend aus:

- BV379R Sperrer allein
- BV381R Blatt
- BV382R Blatt
- BV383R Blatt
- BV384R Blatt
- BV385R Blatt

Retractor complete,  
consisting of:

- BV379R Spreader only
- BV381R Blade
- BV382R Blade
- BV383R Blade
- BV384R Blade
- BV385R Blade

10 mm, 250 "

**BV381R–BV395R**

Blätter allein zu BV379R  
Blades only for BV379R



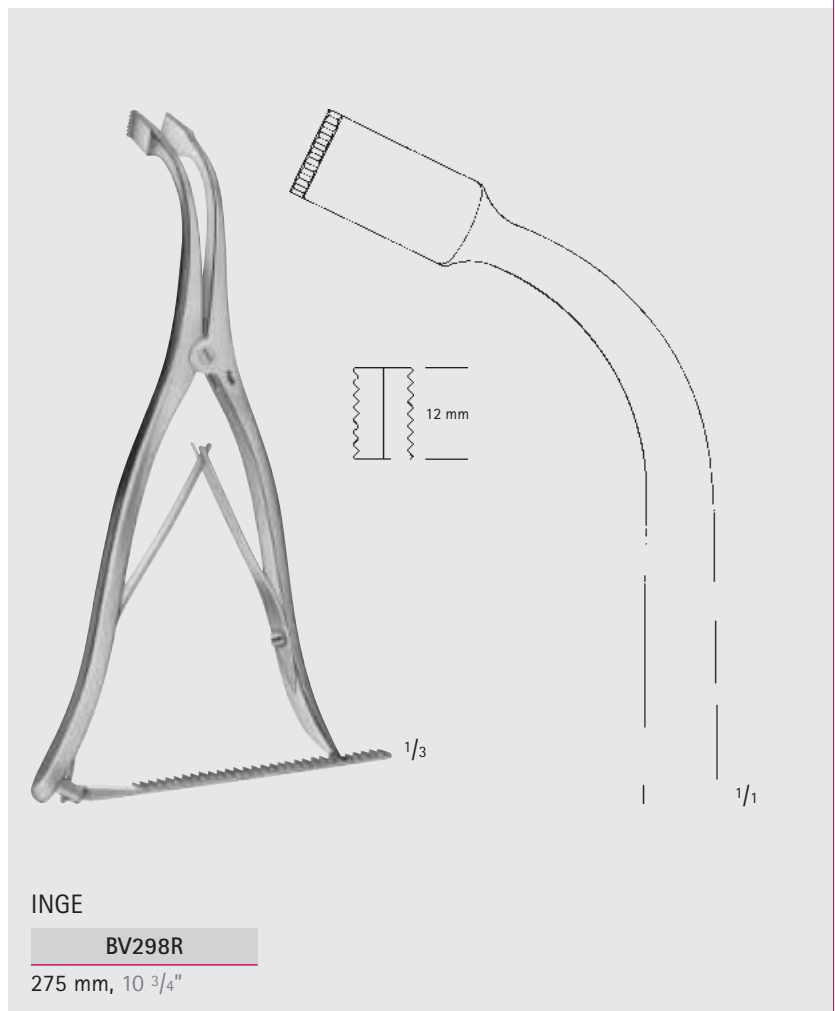
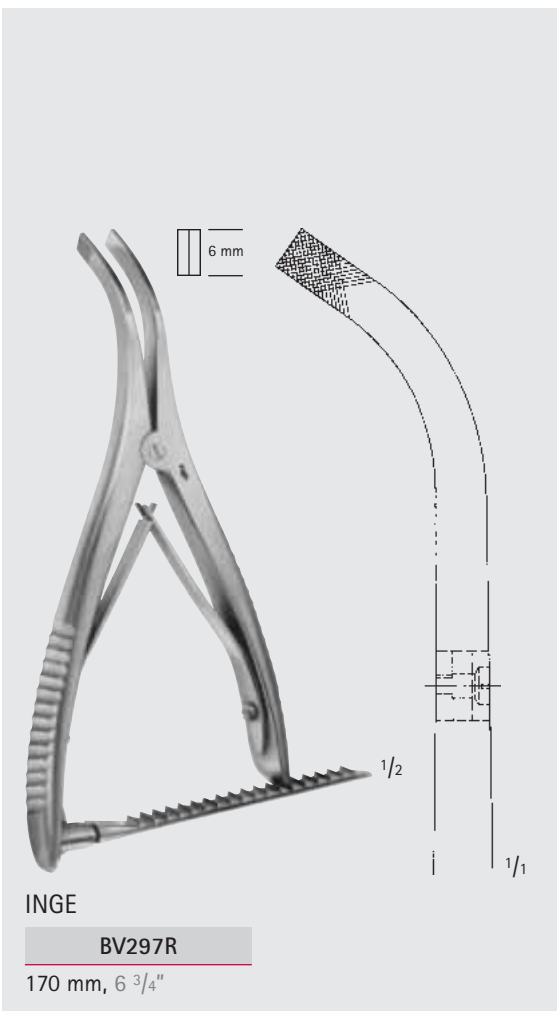
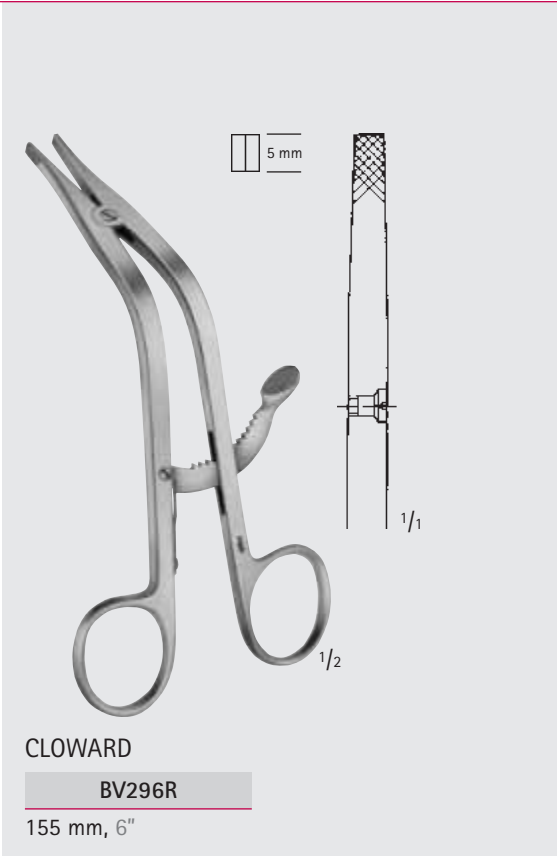


Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors  
Wirbelkörperspreizer  
Lamina Spreaders

BV



MILLIMETERS



# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter

Abdominal Retractors

KUGELSCHNELLVERSCHLUSS

BALL SNAP CLOSURE



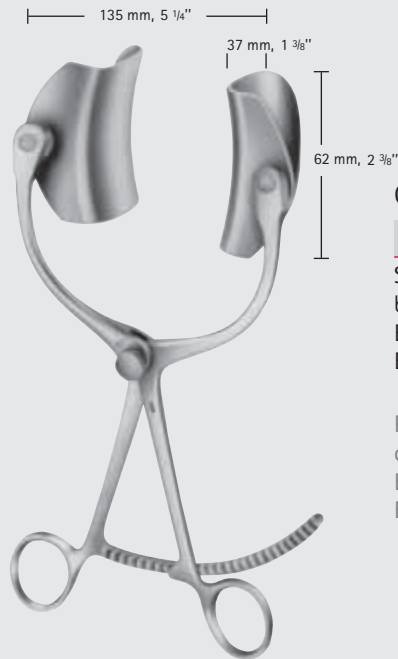
BV



BABY-COLLIN

**BV329R**

- Sperrer komplett,  
bestehend aus:
- BV327R Sperrer allein
  - BV326R Blätter (Paar)  
18 x 42 mm
  - BV328R Blätter (Paar)  
28 x 42 mm
- Retractor complete,  
consisting of:
- BV327R Spreader only
  - BV326R Blades (pair)  
18 x 42 mm
  - BV328R Blades (pair)  
28 x 42 mm



COLLIN

**BV530R**

- Sperrer komplett,  
bestehend aus:
- BV520R Sperrer allein
  - BV551R Blätter (Paar)
- Retractor complete,  
consisting of:
- BV520R Spreader only
  - BV551R Blades (pair)



COLLIN

**BV531R-BV533R**

komplett			
complete	BV531R	BV532R	BV533R
Sperrer allein	BV522R	BV523R	BV523R
Spreader only			
Seitl. Blätter (Paar)	BV551R	BV552R	BV553R
Lateral blades (pair)	37 x 62 mm	37 x 80 mm	37 x 98 mm
Mittelblatt	BV361R	BV362R	BV363R
Center blade	54 x 55 mm	54 x 67 mm	52 x 76 mm




COLLIN

**BV535R-BV536R**

komplett		
complete	BV535R	BV536R
Sperrer allein	BV524R	BV524R
Spreader only		
Seitl. Blätter (Paar)	BV555R	BV554R
Lateral blades (pair)	48 x 59 mm	61 x 80 mm
Mittelblatt	BV338R	BV338R
Center blade	63 x 74 mm	63 x 74 mm



# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

 KUGELSCHNELLVERSCHLUSS  
BALL SNAP CLOSURE

Bauchdeckenhalter  
Abdominal Retractors

**BV**

320 mm, 12 1/2"



**RICARD**

**BV542R-BV543R**

komplett		
complete	BV542R	BV543R
Sperrer allein	BV527R	BV527R
Spreader only		
Seitl. Blätter (Paar)	BV556R	BV557R
Lateral blades (pair)	58 x 80 mm	72 x 84 mm
Mittelblatt	BV366R	BV367R
Center blade	54 x 70 mm	72 x 90 mm

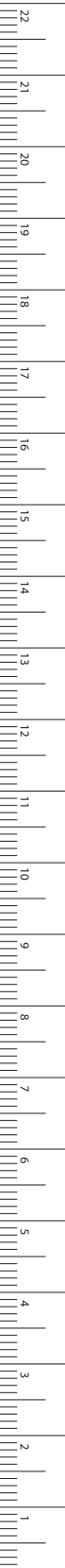
275 mm, 10 3/4"



**HOLZBACH**

**BV545R**

komplett		
complete		
Seitl. Blätter (Paar)	BV558R	
Lateral blades (pair)	59 x 80 mm	
Mittelblatt		BV369R
Center blade		74 x 82 mm



MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenvalven

Abdominal Blades

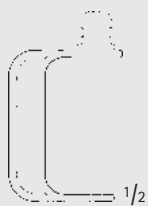
BV



KUGELSCHNELLVERSCHLUSS  
BALL SNAP CLOSURE

Bestelleinheit der Blätter: PAA = Paar

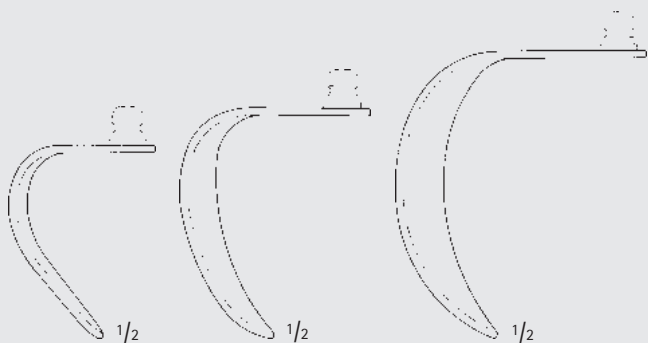
Sales unit of blades: PAA = pair



BV551R-BV553R



BV554R



BV555R-BV557R



BV558R

Seitliche Blätter allein

Lateral blades only



BV551R 37 x 62 mm

BV552R 37 x 80 mm

BV553R 37 x 98 mm



BV554R 61 x 80 mm



BV555R 48 x 59 mm

BV556R 58 x 80 mm

BV557R 72 x 84 mm



BV558R 59 x 80 mm

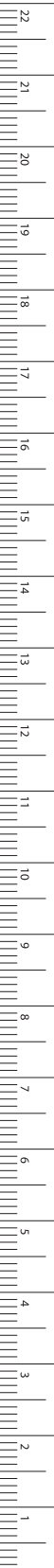




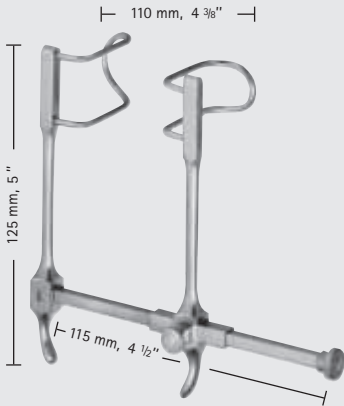
# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter  
Abdominal Retractors

BV



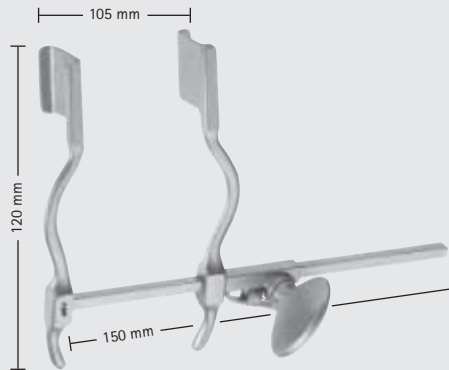
MILLIMETERS



GOSSET

**BV500R**

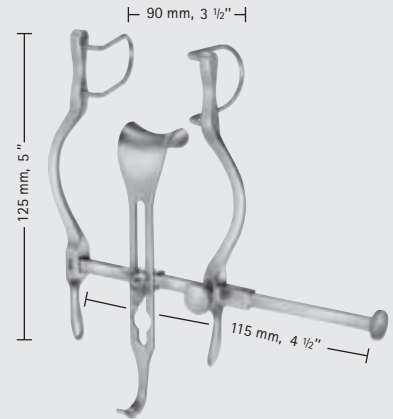
Blätter: 38 mm tief  
Blades: 38 mm deep



HERTZLER

**BV512R**

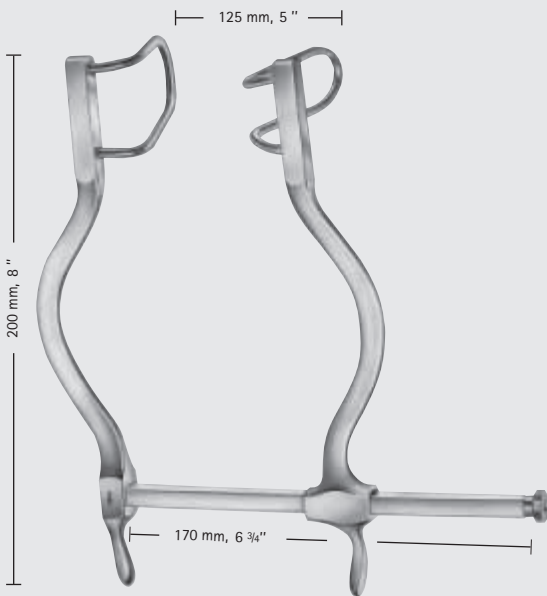
Blätter 20 x 25 mm  
Blades 20 x 25 mm



BALFOUR-BABY

**BV601R**

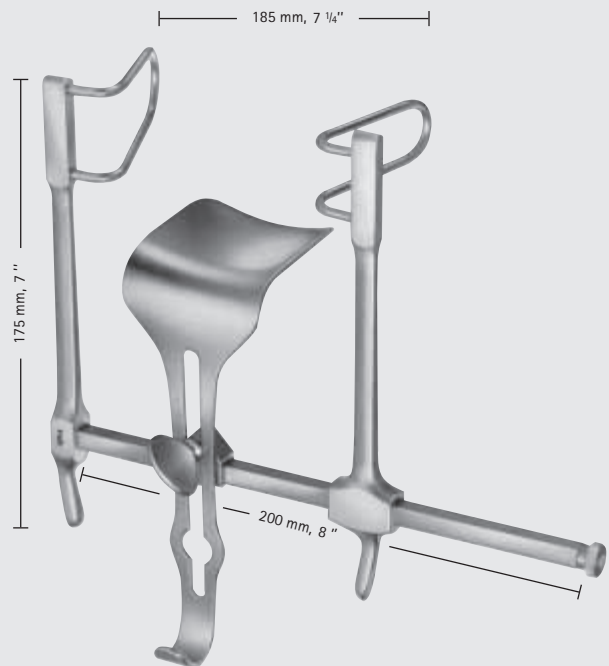
Seitl. Blätter 27 mm tief  
Mittelblatt BV602R 21 x 24 mm  
Lateral blades 27 mm deep  
Center blade BV602R 21 x 24 mm



GOSSET

**BV502R**

Blätter: 55 mm tief  
Blades: 55 mm deep



GOSSET

**BV505R**

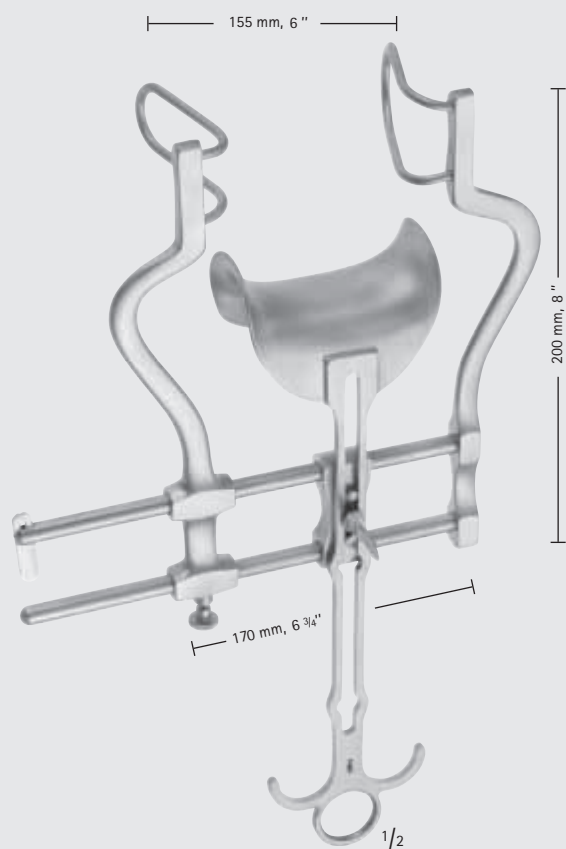
Seitl. Blätter 58 mm tief  
Mittelblatt BV506R 59 x 57 mm  
Lateral blades 58 mm deep  
Center blade BV506R 59 x 57 mm

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter

Abdominal Retractors

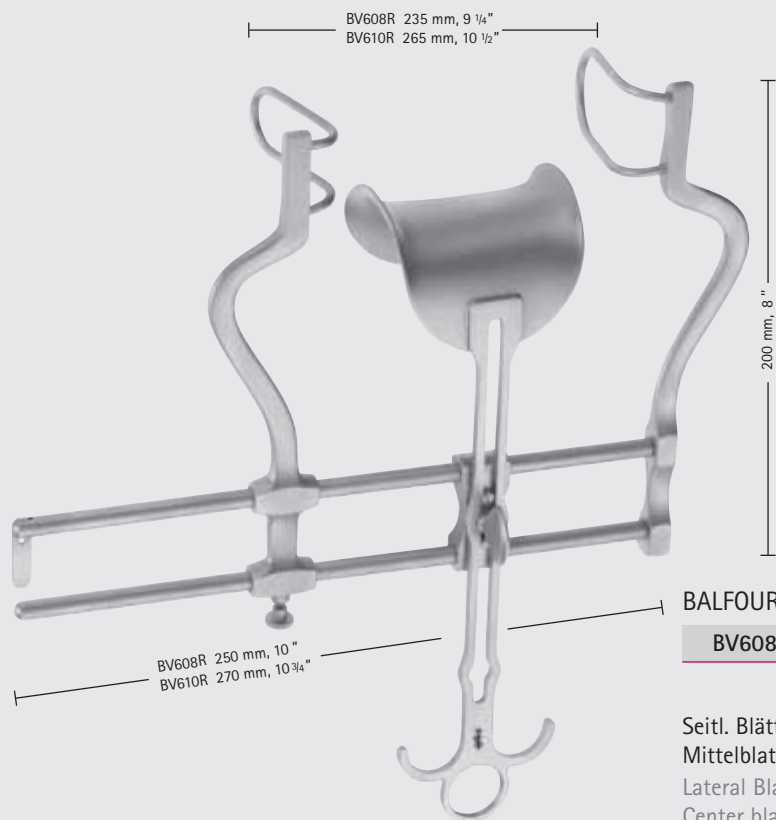
BV



BALFOUR

**BV605R**

Seitl. Blätter	60 mm tief
Mittelblatt	BV606R 47 x 80 mm
Lateral blade	60 mm deep
Center blade	BV606R 47 x 80 mm



BALFOUR

**BV608R-BV610R**

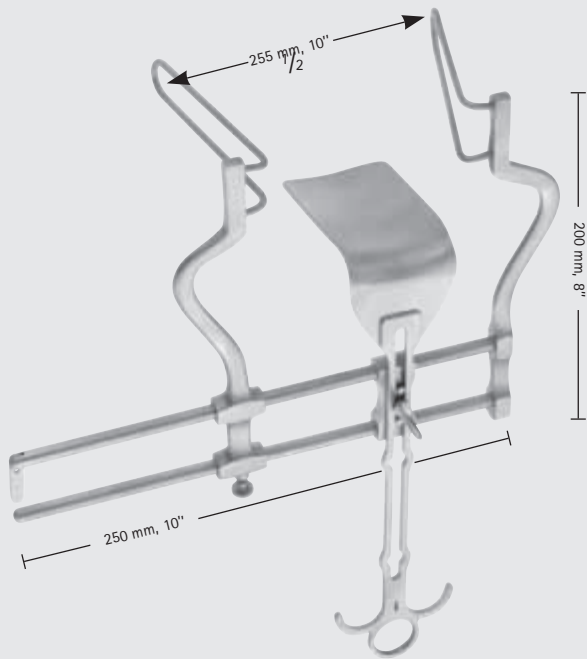
	<b>BV608R</b>	<b>BV610R</b>
Seitl. Blätter	60 mm tief	90 mm tief
Mittelblatt	BV609R 62 x 76 mm	BV611R 80 x 80 mm
Lateral Blades	60 mm deep	90 mm deep
Center blade	BV609R 62 x 76 mm	BV611R 80 x 80 mm



# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter  
Abdominal Retractors

BV



BALFOUR

**BV615R**

Seitl. Blätter	105 mm tief
Mittelblatt	BV616R 107 x 59 mm
Lateral blades	105 mm deep
Center blade	BV616R 107 x 59 mm



BALFOUR

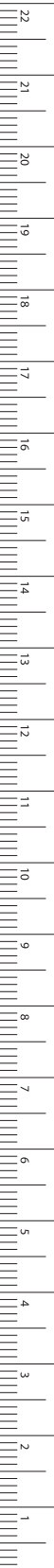
**BV617R**

Mittelblatt allein  
Center blade only  
54 x 80 mm



**BV618R**

Mittelblatt, geschlitzt  
zur retropubischen Prostatektomie  
Center blade, slotted  
for retropubic prostatectomy  
75 x 80 mm



MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

## Bauchdeckenhalter

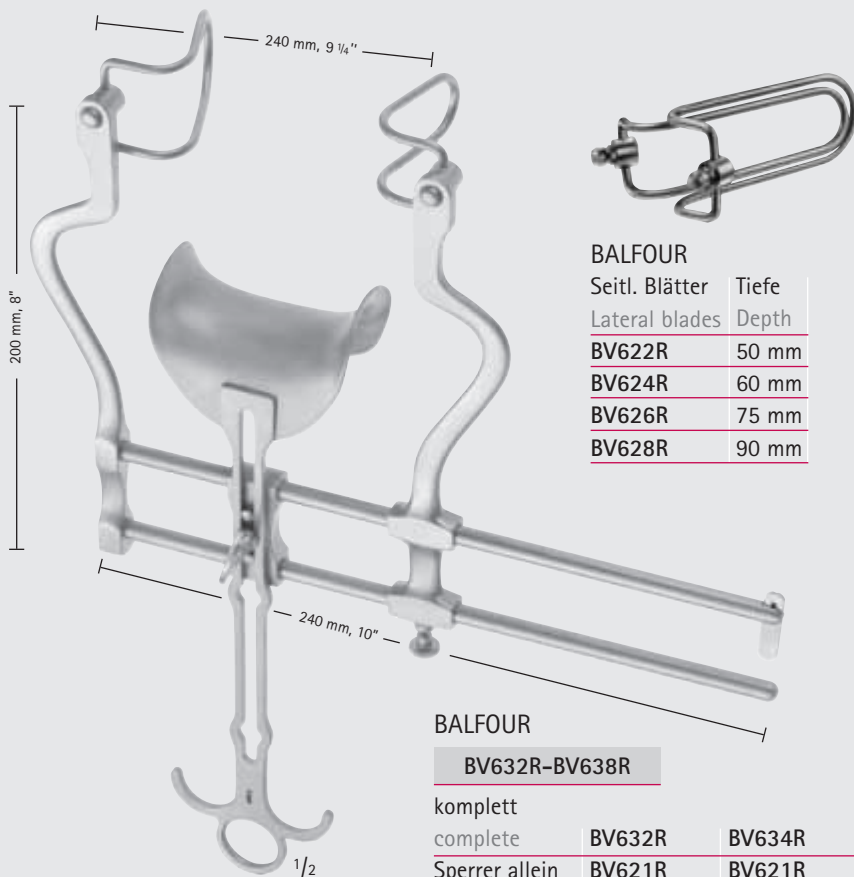
## Abdominal Retractors



KUGELSCHNELLVERSCHLUSS  
BALL SNAP CLOSURE

Bestelleinheit der Blätter: PAA = Paar

Sales unit of blades: PAA = pair



### BALFOUR

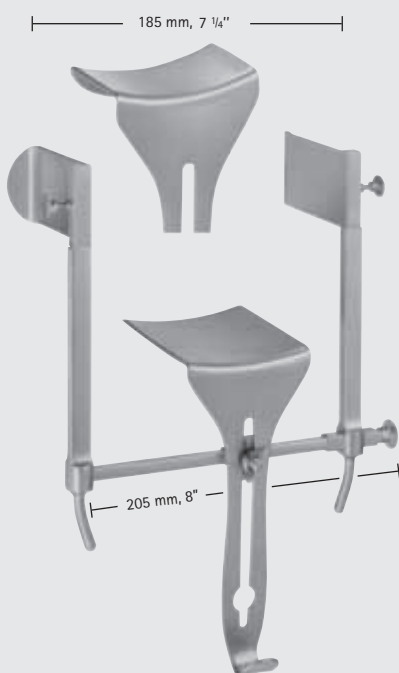
Seitl. Blätter Lateral blades	Tiefe Depth
BV622R	50 mm
BV624R	60 mm
BV626R	75 mm
BV628R	90 mm

### BALFOUR

#### BV632R-BV638R

komplett

complete	BV632R	BV634R	BV636R	BV638R
Sperrer allein Spreader only	BV621R	BV621R	BV621R	BV621R
Seitl. Blätter Lateral blades	BV622R 50 mm	BV624R 60 mm	BV626R 75 mm	BV628R 90 mm
Mittelblatt Center blade	BV606R 47 x 80 mm	BV609R 62 x 76 mm	BV611R 80 x 80 mm	BV611R 80 x 80 mm



### GOLIGHER

#### BV640R

Bauchdeckenhalter komplett,  
bestehend aus:

- Mittelblatt 51 mm tief
- Mittelblatt 102 mm tief
- Seitl. Blätter (Paar) 51 mm tief
- Seitl. Blätter (Paar) 102 mm tief

Abdominal retractor complete,  
consisting of:

- Center blade 51 mm deep
- Center blade 102 mm deep
- Lateral blades (pair) 51 mm deep
- Lateral blades (pair) 102 mm deep



## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter  
Abdominal Retractors

BV



### O' SULLIVAN-O' CONNOR

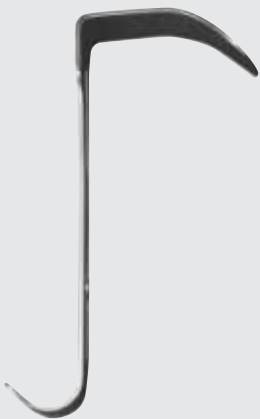
**US100**

Bauchdeckenhalter komplett,  
bestehend aus:

- US100 1 Bauchdeckenhalter
- US100201 2 Blätter
- US100202 1 Blatt

Abdominal retractor complete,  
consisting of:

- US100 1 Retractor
- US100201 2 Blades
- US100202 1 Blade



### O'SULLIVAN-O' CONNOER

**US100201**

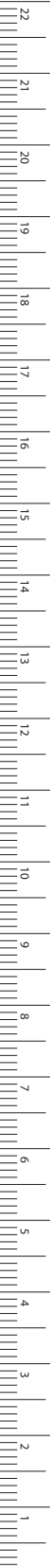
kleines Blatt  
small blade



### O'SULLIVAN-O' CONNOER

**US100202**

großes Blatt  
large blade



MILLIMETERS

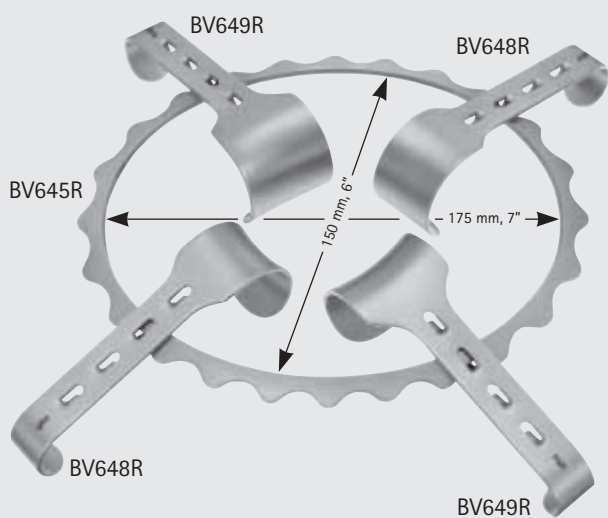
# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

## Bauchdeckenhalter

### Abdominal Retractors

Bauchdeckenhalter für Säuglinge und Kinder

Abdominal retractors for new-born and children



#### DENIS-BROWNE

##### BV650R

Bauchdeckenhalter komplett,  
bestehend aus:

- BV645R 1 Rahmen 175 x 150 mm
- BV648R 2 Blätter allein 40 x 30 mm
- BV649R 2 Blätter allein 40 x 40 mm

Abdominal retractor complete,  
consisting of:

- BV645R 1 frame 175 x 150 mm
- BV648R 2 blades only 40 x 30 mm
- BV649R 2 blades only 40 x 40 mm



#### DENIS-BROWNE

##### BV646R

Blatt allein  
Blade only  
20 x 30 mm



#### DENIS-BROWNE

##### BV647R

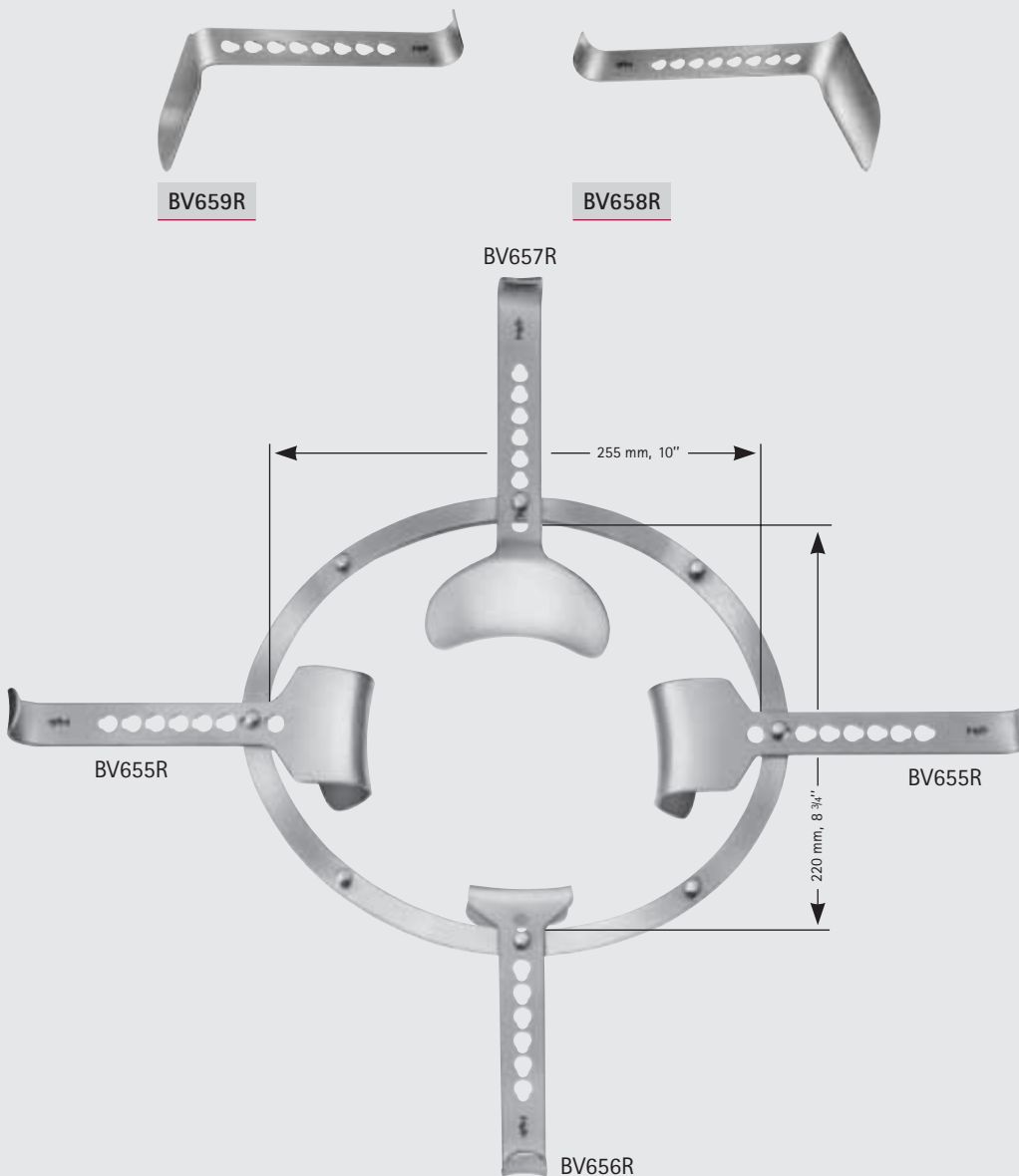
Blatt allein  
Blade only  
20 x 40 mm



## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter  
Abdominal Retractors

Bauchdeckenhalter für Gynäkologen gut geeignet  
Abdominal retractors well suitable for gynaecologists



### SEMM

#### BV654R

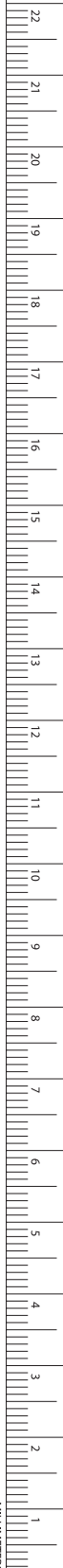
Bauchdeckenhalter komplett,  
bestehend aus:

- BV653R 1 Rahmen 255 x 220 mm
- BV655R 2 Blätter 46 x 64 mm
- BV656R 1 Blatt 53 x 54 mm (für die Blase)
- BV657R 1 Blatt 82 x 97 mm (für den Darm)
- BV658R 1 Blatt 98 x 51 mm (für den Darm)
- BV659R 1 Blatt schmal 107 x 36 mm

Abdominal retractor complete,  
consisting of:

- BV653R 1 frame 255 x 220 mm
- BV655R 2 blades 46 x 64 mm
- BV656R 1 blade 53 x 54 mm (for bladder)
- BV657R 1 blade 82 x 97 mm (for intestine)
- BV658R 1 blade 98 x 51 mm (for intestine)
- BV659R 1 blade narrow 107 x 36 mm

BV



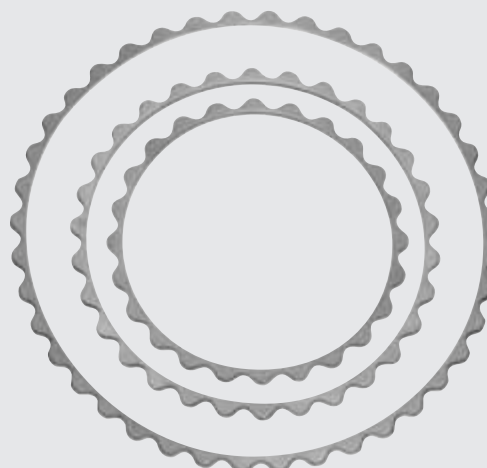
MILLIMETERS

## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter

Abdominal Retractors

BV



**BV686R**

ø 180 mm  
diam 7"

**BV687R**

ø 230 mm  
diam. 9"

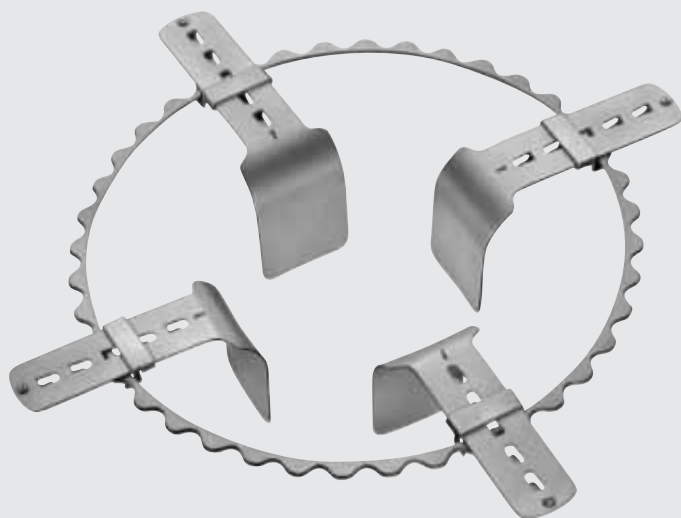
**BV688R**

ø 305 mm  
diam. 12"

TURNER-WARWICK

**BV686R**

Bauchdeckenrahmen, rund  
Retractor frame, round



TURNER-WARWICK

**BV685R**

Bauchdeckenhalter komplett,  
bestehend aus:

BV686R - BV688R	je 1 Rahmen
BV690R - BV693R	je 2 Bauchdeckenspatel
BV694R - BV695R	je 2 Bauchdeckenhaken
BV696R - BV697R	je 2 Bauchdeckenhaken
BV698R	2 Einzinkerhaken

Abdominal retractor complete,  
consisting of:

BV686R - BV688R	1 Frame of each
BV690R - BV693R	2 Retractor blades of each
BV694R - BV695R	2 Abdominal retractors of each
BV696R - BV697R	2 Abdominal retractors of each
BV698R	2 Retractor blade single hooks



TURNER-WARWICK

**BV689R**

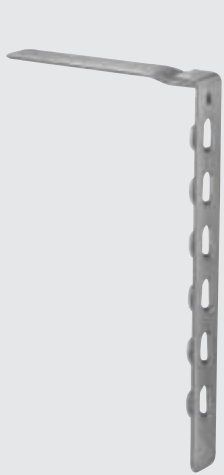
Bauchdeckenrahmen, oval  
Retractor frame, oval  
457 x 330 mm,



## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter  
Abdominal Retractors

BV



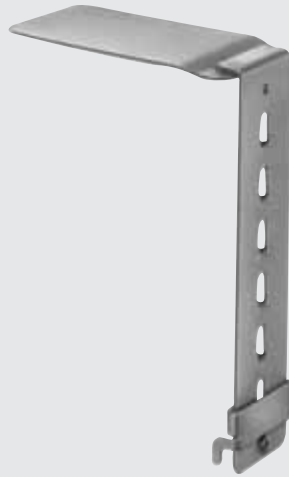
**BV690R**

biegsam  
malleable  
76 x 19 mm



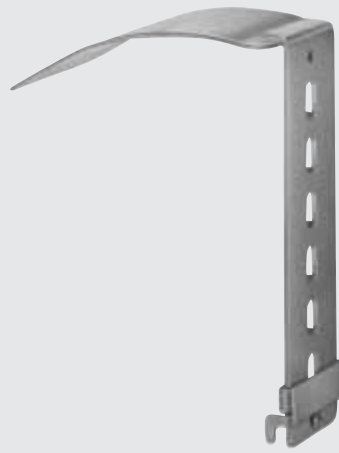
**BV691R**

biegsam  
malleable  
102 x 38 mm



**BV692R**

biegsam  
malleable  
89 x 57 mm



**BV693R**

biegsam  
malleable  
114 x 57 mm



**BV694R**

51 x 38 mm



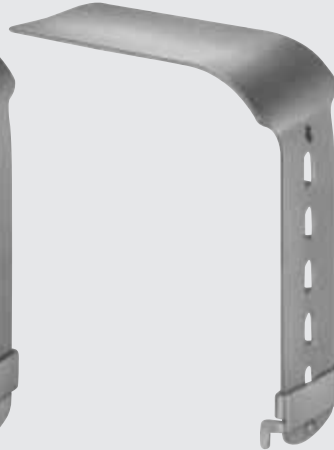
**BV695R**

76 x 60 mm



**BV696R**

89 x 60 mm



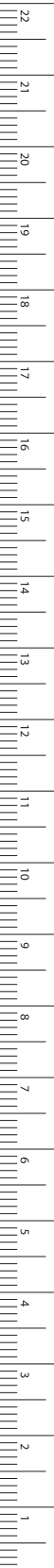
**BV697R**

114 x 60 mm



**BV698R**

13 mm tief  
13 mm deep



MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

## Bauchdeckenhalter

### Abdominal Retractors

BV



250 x 250 mm, 10 x 10"

#### KIRSCHNER

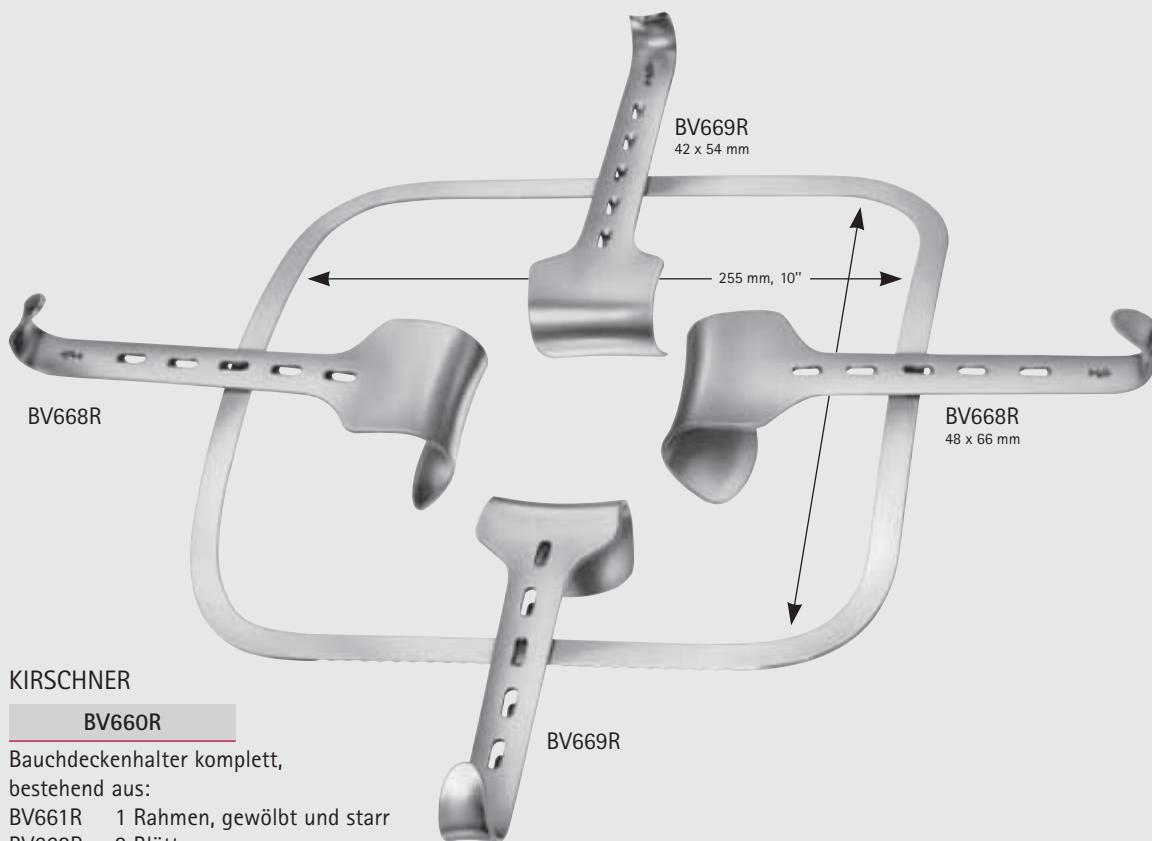
##### BV662R

Bauchdeckenhalter komplett, bestehend aus:

- BV663R 1 Rahmen, zusammenlegbar
- BV668R 2 Blätter
- BV669R 2 Blätter

Abdominal retractor complete, consisting of:

- BV663R 1 Holding frame
- BV668R 2 Blades
- BV669R 2 Blades



BV669R  
42 x 54 mm

255 mm, 10"

BV668R

BV668R  
48 x 66 mm

BV669R

#### KIRSCHNER

##### BV660R

Bauchdeckenhalter komplett, bestehend aus:

- BV661R 1 Rahmen, gewölbt und starr
- BV668R 2 Blätter
- BV669R 2 Blätter

Abdominal retractor complete, consisting of:

- BV661R 1 Vaulted fixed frame
- BV668R 2 Blades
- BV669R 2 Blades

#### KIRSCHNER

##### BV664R

Rahmen allein, übergroß  
Frame only, over-sized  
275 x 355 mm

#### KIRSCHNER

##### BV665R

Rahmen allein  
Frame only  
295 x 275 mm





# Wundpreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Bauchdeckenhalter  
Abdominal Retractors

Zusätzliche Blätter für Fettleibige  
Additional valves for corpulent persons

BV



KIRSCHNER

**BV670R**

64 x 80 mm



KIRSCHNER-BALFOUR

**BV672R**

80 x 82 mm



KIRSCHNER

**BV674R** 90 x 69 mm

**BV675R** 95 x 95 mm

**BV676R** 78 x 58 mm

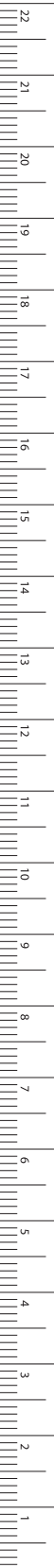


KIRSCHNER

**BV680R** 108 x 42 mm

**BV682R** 91 x 55 mm

**BV684R** 120 x 55 mm



MILLIMETERS

# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Blasenwundspreizer

Bladder Retractors



KUGELSCHNELLVERSCHLUSS  
BALL SNAP CLOSURE

BV



BV576R



BV577R

## MILLIN

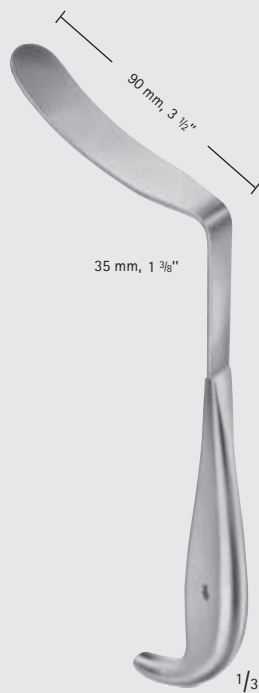
### BV580R

Blasenwundspreizer komplett,  
bestehend aus:

- BV575R Sperrer allein
- BV576R Blätter 57 x 25 mm
- BV577R Blätter 82 x 25 mm
- BV578R Mittelblatt 105 x 45 mm

Bladder retractor complete,  
consisting of:

- BV575R Spreader only
- BV576R Blades 57 x 25 mm
- BV577R Blades 82 x 25 mm
- BV578R Center blade 105 x 45 mm



## LEGUEU

### BV928R

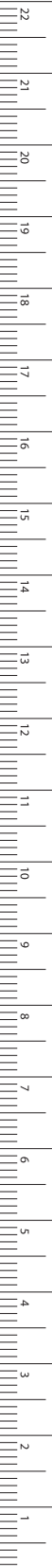
Blasenspatel  
Bladder spatula  
260 mm, 10 1/4"



## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

Poplitea-Sperrer  
Poplitea Retractor

BV



MILLIMETERS



### BV348R

Blätter (Paar), allein  
bestehend aus:  
Blatt, stumpf, 60 x 50 mm  
Blatt, halbscharf, 40 x 35 mm  
Blades (pair), only  
consisting of:  
Blade, blunt, 60 x 50 mm  
Blade, semi-sharp, 40 x 35 mm

### BV349R

Poplitea-Sperrer, komplett  
bestehend aus:  
BV327R Sperrer allein  
BV348R Blätter (Paar)  
Poplitea retractor, complete  
consisting of:  
BV327R Retractor only  
BV348R Blades (pair)

„Einer für Alle“  
"One for All"



Ein System für alle Indikationen in

- Viszeralchirurgie
- Urologie
- Gynäkologie
- Abdominale Gefäßchirurgie

Eine Vielzahl an Rahmen, Klemmen, Stangen und Wundhaken ermöglicht es, ein individuell angepasstes Retraktions-System zusammenzustellen, welches praktisch keine Wünsche mehr offen lässt.

One system for all indications in

- Visceral surgery
- Urology
- Gynaecology
- Abdominal vascular surgery

The multiplicity of different frames, clamps, rods and retractors permits an individually adjustable retraction system which corresponds to the needs of the customers.



# Wundpreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

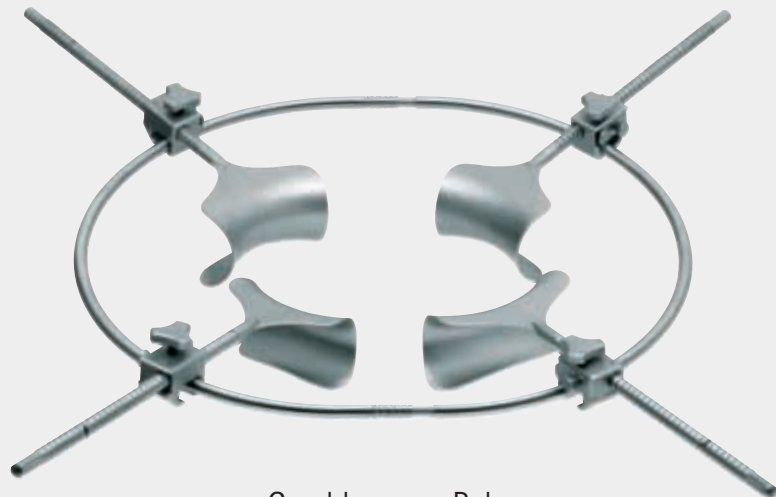
Retraktions-System MÜNSTER  
MÜNSTER Retraction System

BV

universell, flexibel, sicher, einfach in der Handhabung  
universal, safe, easy to use

Weitere Informationen finden  
Sie in unserem Prospekt C216.

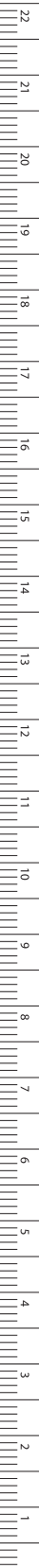
For further details see  
brochure No. C216.



Geschlossener Rahmen  
Closed frame



Offener Rahmen  
Open frame



MILLIMETERS

## Das Mini Retraktionssystem The Mini Retraction System



Das Retraktionssystem FRANKFURT ist ein universelles Mini Retraktionssystem.

Die Position der Wundhaken auf den Rahmen kann frei gewählt werden. Die Wundhaken sind durch spezielle Befestigungsklemmen mit den Rahmen verbunden und können in allen Dimensionen bewegt werden.

The FRANKFURT retraction system is a universal mini retraction system.

The retractors can be positioned anywhere on the frame. The retractors are fixed to the frame with special fixation clamps and can be moved in any direction and in all dimensions.





# Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

## Retraktions-System FRANKFURT FRANKFURT Retraction System

BV

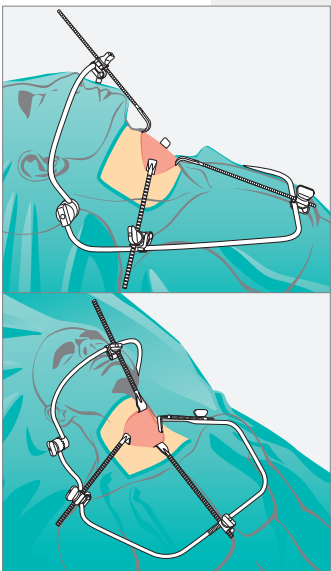


Weitere Informationen finden  
Sie in unserem Prospekt C779.

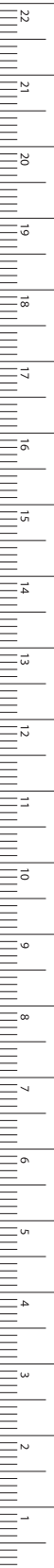
For further details see  
brochure No. C779.



Für die Kinderchirurgie  
For Pediatric Surgery



Für Struma Operationen  
For Thyroid Operations



MILLIMETERS

## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors

UNITRAC® - Retraktions- und Haltesystem

UNITRAC® - Retraction- and Holding System

BV

Retraktion in Perfektion

Retraction in Perfection

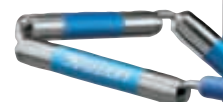


Das Retraktions- und Haltesystem für die

- Offene Chirurgie
- Minimalinvasive Chirurgie
- Orthopädie
- Traumatologie

The retraction and holding system for

- Open Surgery
- Minimal Invasive Surgery
- Orthopaedics
- Traumatology







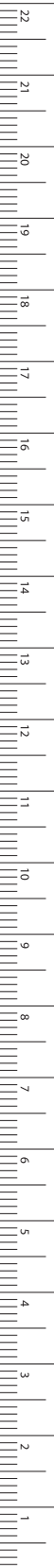
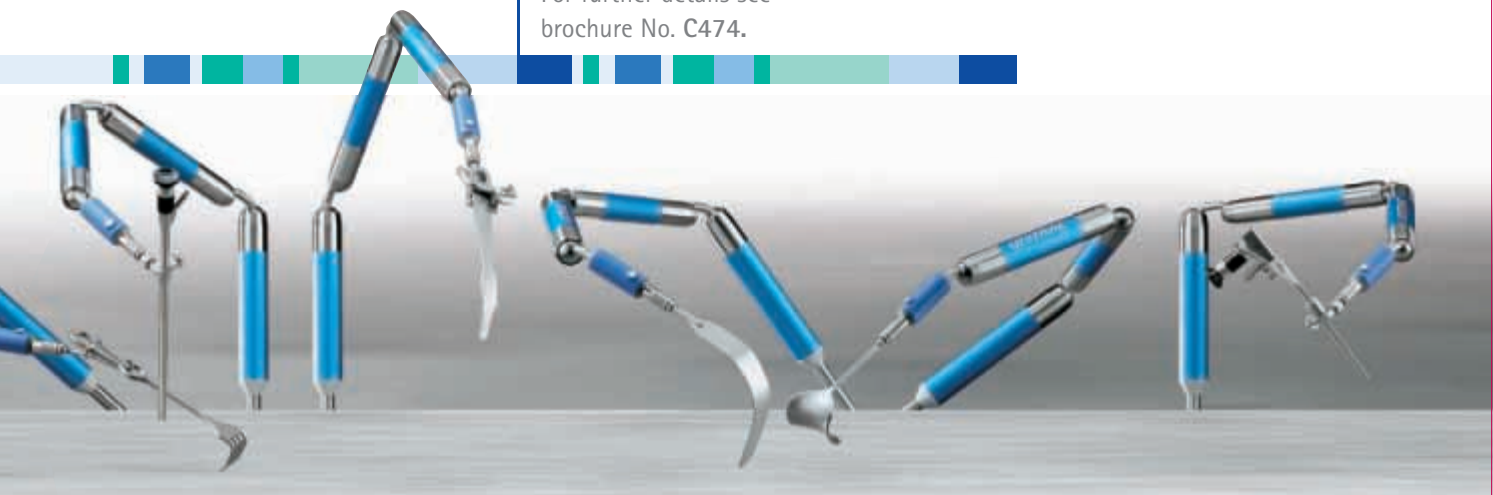
## Wundspreizer, Bauchdeckenhalter – Self-Retaining Retractors, Abdominal Retractors UNITRAC® - Retraktions- und Haltesystem UNITRAC® - Retraction- and Holding System



- Universell einsetzbar zum Halten von Wundhaken, Kameras und Endoskopen  
Universal use for holding hooks, retractors, cameras and endoscopes
- Umfangreiches Zubehör an Wundhaken, Kamera- und Endoskophaltern verfügbar  
Extensive range of blades, hooks, camera and endoscope holders available
- Pneumatisch unterstütztes System zum direkten Anschluss an die vorhandene OP-Druckluftversorgung  
Pneumatically supported system for direct connection with the compressed air supply in the operating room
- Betriebsdruck: 5,5 bar bis 12 bar  
Required working pressure: 5.5 bar up to 12 bar
- Einfache Montage an die OP-Tischschiene  
Easy to attach to operating room table
- Schnelle und sterile Bereitstellung im OP  
Quick sterile set-up in operating room
- Dampfsterilisierbar bei 134 °C (2 bar)  
Autoclaveable at 134 °C (2 bar)

Weitere Informationen finden Sie in unserem Prospekt C474.

For further details see brochure No. C474.





INCHES

GK

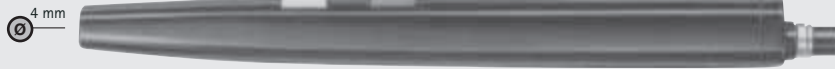


Elektrochirurgie  
Electrosurgery

**Elektrochirurgie – Electro Surgery**  
**Elektrodenhandgriffe**  
 Electrode Handles

**MONOPOLAR**

passend für Geräte von Aesculap, ACMI, Berchtold, Martin, Erbe ACC/ICC/VI0  
 suitable for devices from Aesculap, ACMI, Berchtold, Martin, Erbe ACC/ICC/VI0



**GN209**

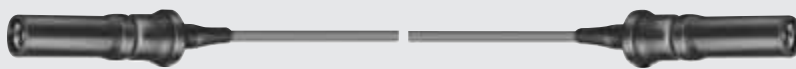
Elektrodenhandgriff, mit Doppelfingertastern  
 Electrode handle, with two finger pushbuttons



**GN207**

Elektrodenhandgriff, ohne Fingertaster  
 Electrode handle, without finger pushbuttons

passend für Geräte von Aesculap, ACMI, Berchtold, Martin  
 suitable for devices from Aesculap, ACMI, Berchtold, Martin



**GN203-GN205**

Kabel für Elektrodenhandgriff  
 Cable for electrode handle

GN203	GN205
3,5 m	5,0 m

passend für Geräte von Erbe ACC/ICC/VI0  
 suitable for devices from Erbe ACC/ICC/VI0



**GN213-GN215**

Kabel für Elektrodenhandgriff  
 Cable for electrode handle

GN213	GN215
3,0 m	5,0 m

**GK**





## Elektrochirurgie – Electro Surgery

### Elektrodenhandgriffe

### Electrode Handles

## MONOPOLAR

passend für Geräte von Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab  
suitable for devices from Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab



**GK252Y**

Elektrodenhandgriff ohne Fingertaster, Stecker US-Norm  
Electrode handle, without finger pushbuttons, plug according to US standard



**GK253Y**

Elektrodenhandgriff mit Doppelfingertastern, Stecker US-Norm  
Electrode handle, with two finger pushbuttons, plug according to US standard

passend für Geräte von Aesculap, ACMI, Berchtold, Martin  
suitable for devices from Aesculap, ACMI, Berchtold, Martin

### Slim Style



**GN206**

Elektrodenhandgriff, ohne Fingertaster  
Electrode handle, without finger pushbuttons

### Slim Style



**GN218**

Elektrodenhandgriff, ohne Fingertaster  
Electrode handle, without finger pushbuttons

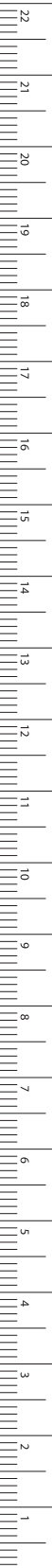
### Slim Style



**GN208**

Elektrodenhandgriff, ohne Fingertaster  
Electrode handle, without finger pushbuttons

**GK**



MILLIMETERS

## Elektrochirurgie – Electro Surgery

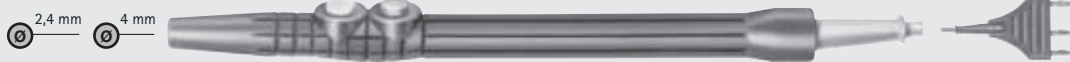
### Elektrodenhandgriffe

#### Electrode Handles

MONOPOLAR

passend für Geräte von Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab  
suitable for devices from Aesculap, ACMI, Berchtold, Conmed, Martin, Valleylab

#### Slim Style



##### GN210-GN212

Elektrodenhandgriff mit Doppelfingertastern, Stecker US-Norm

Electrode handle, with two finger pushbuttons, plug according to US standard

	GN210	GN212
ø	2,4 mm	4,0 mm
diam.	2.0 mm	4.0 mm

#### Single Use



##### GN211

Einmal-Elektrodenhandgriff, mit Fingertastern, Stecker US Norm

Single use electrode handle, with finger pushbuttons, plug according to US standard

#### Single Use



##### GN221

Einmal-Elektrodenhandgriff, ohne Fingertaster

Single use electrode handle, without finger pushbuttons

#### Single Use

Elektrodenhandgriffe

Electrodes handles

Bestelleinheit:

PAK = Packung à 50 Stück, einzeln steril verpackt

Sales unit:

PAK = Package of 50 pieces, in individual sterile packs

GK



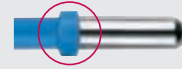
# Elektrochirurgie – Electro Surgery


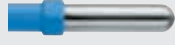

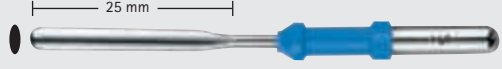

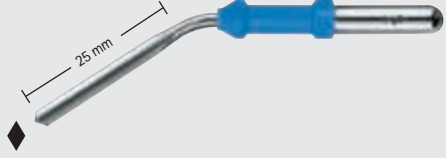




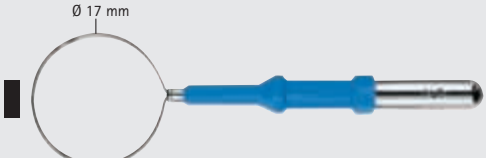
## Kurze Arbeitselektroden

### Short Working Electrodes

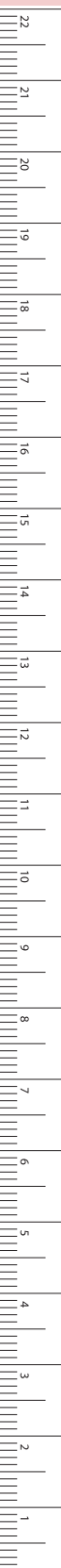
MONOPOLAR

mit Sechskantverdrehschutz  
with hexagonal anti-twist protection



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

GK



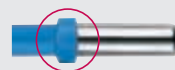
MILLIMETERS

# Elektrochirurgie – Electro Surgery

Kurze Arbeitselektroden  
Short Working Electrodes

MONOPOLAR

mit Sechskantverdreheschutz  
with hexagonal anti-twist protection



ø 4,0 mm  
diam. 4.0 mm



ø 2,4 mm  
diam. 2.4 mm



Kugelelektroden  
Ball electrodes



GK121R

GK151R



GK122R

GK152R

Plattenelektroden  
Plate electrodes



GK123R

GK153R

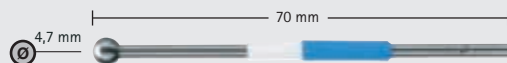
Chirurgie-Elektroden-Set  
bestehend aus:  
Behälter, Ständer  
und 12 Elektroden  
Surgical electrodes set  
consisting of:  
container, rack  
and 12 electrodes



GK174R

## Single Use

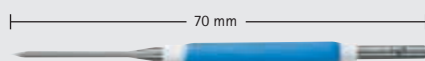
Kugelelektrode  
Ball electrode



GK164R

## Single Use

Nadelelektrode  
Needle electrode



GK165R

## Single Use

Elektrodenhandgriffe  
Electrodes handles

Bestelleinheit:

PAK = Packung à 50 Stück, einzeln steril verpackt

Sales unit:

PAK = Package of 50 pieces, in individual sterile packs

GK







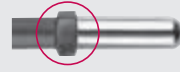
# Elektrochirurgie – Electro Surgery

## Isolierte Langschattelektroden

### Insulated Long-Shank Electrodes

MONOPOLAR

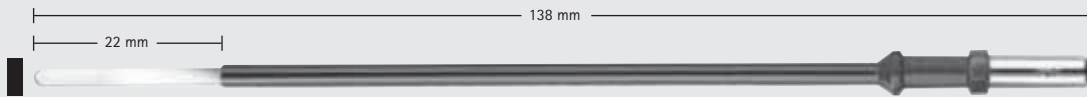
mit Sechskantverdrehenschutz  
with hexagonal anti-twist protection



ø 4,0 mm  
diam. 4.0 mm



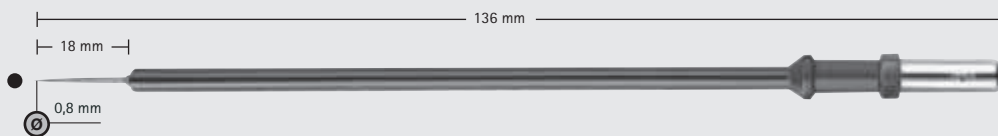
ø 2,4 mm  
diam. 2.4 mm



Messerelektroden  
Knife electrodes

GK125R

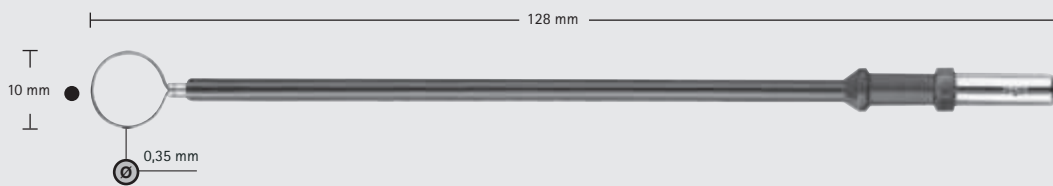
GK155R



Nadelelektroden  
Needle electrodes

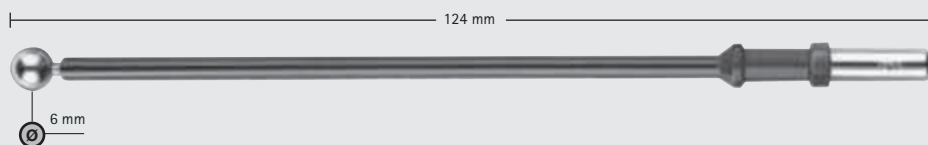
GK127R

GK157R



Drahtschlingenelektrode  
Wire loop electrode

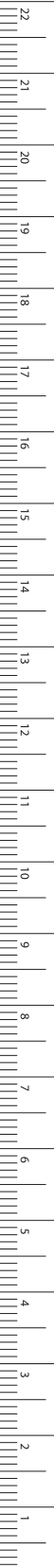
GK128R



Kugelelektrode  
Ball electrode

GK129R

GK



MILLIMETERS

# Elektrochirurgie – Electro Surgery

Isolierte Langschaftelektroden

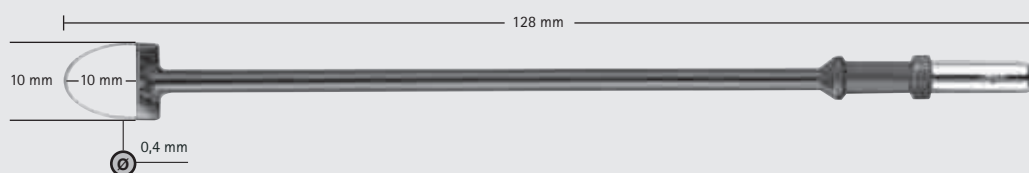
Insulated Long-Shank Electrodes

MONOPOLAR

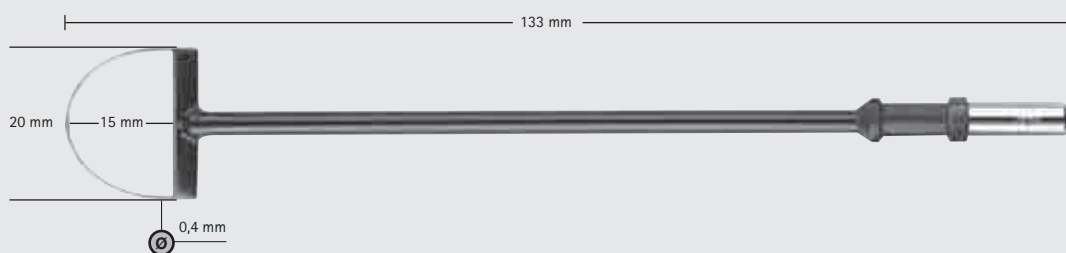
mit Sechskantverdrehschutz  
with hexagonal anti-twist protection



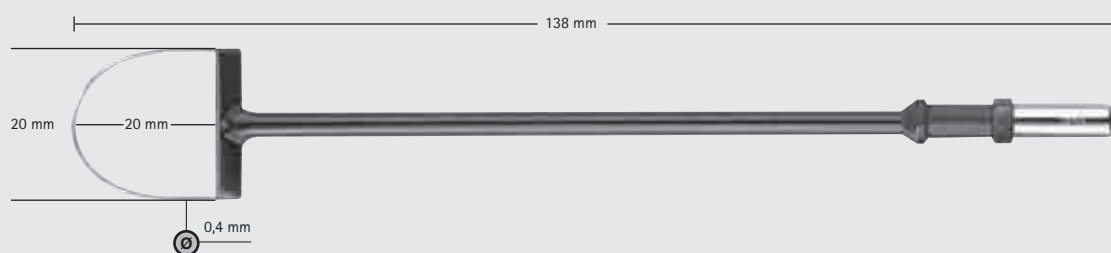
ø 4,0 mm  
diam. 4.0 mm



GK131R



GK132R

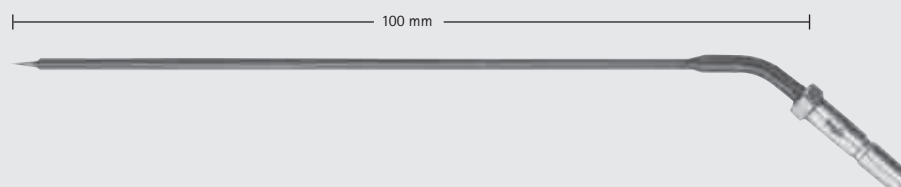


GK133R

GK131R-GK133R

Drahtschlingenelektroden zur Konisation der Portio

Wire loop electrodes for conization of the portio



GK424

Stichkoagulationsnadel für die Nasenmuschel

Needle electrode for nasal concha

GK





MONOPOLAR

GK



**GN227**

Elektrodenhandgriff, ohne Fingertaster  
Electrode handle, without finger pushbuttons



**GN229**

Elektrodenhandgriff, mit Doppelfingertastern  
Electrode handle, with two finger pushbuttons

passend für Geräte von Aesculap, ACMI, Berchtold, Martin  
suitable for devices from Aesculap, ACMI, Berchtold, Martin



**GN203-GN205**

Kabel für Elektrodenhandgriff  
Cable for electrode handle

GN203	GN205
3,5 m	5,0 m



MILLIMETERS



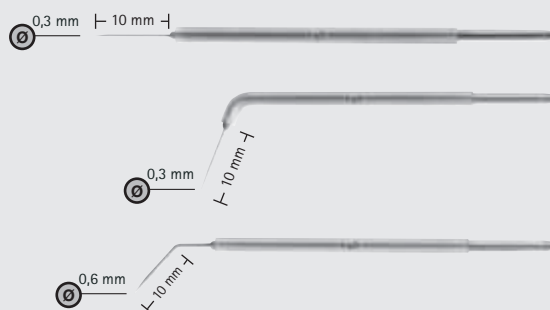
ø 1,7 mm  
 diam. 1.7 mm



**GK301R**

**GK303R**

**GK305R**



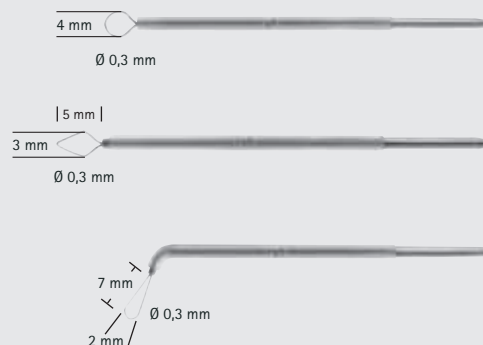
**GK301R-GK305R**

Nadelelektroden  
 Needle electrodes

**GK307R**

**GK310R**

**GK315R**

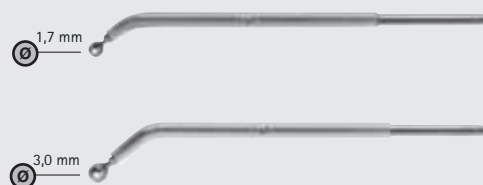


**GK307R-GK315R**

Schlingenelektroden  
 Loop electrodes

**GK320R**

**GK321R**



**GK320R-GK321R**

Kugelelektroden  
 Ball electrodes

**GK680R**

Behälter mit Deckel  
 Container with lid

**GK681R**

Ständer für Mikro-Elektroden  
 Rack for micro electrodes

**GK683R**

Ständer für Chirurgie-Elektroden  
 Rack for surgery electrodes





**Elektrochirurgie – Electro Surgery**  
Schleimhautnadel, Schere, isoliert  
Mucosa Needle, Scissors, Insulated

**MONOPOLAR**

**GK**



ABBEY

**OL189R**

Schleimhautnadel

Mucosa needle

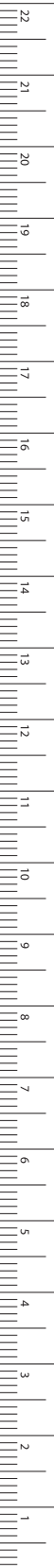


**BC608R**

Schere, isoliert

Scissors, insulated

200 mm, 8'''



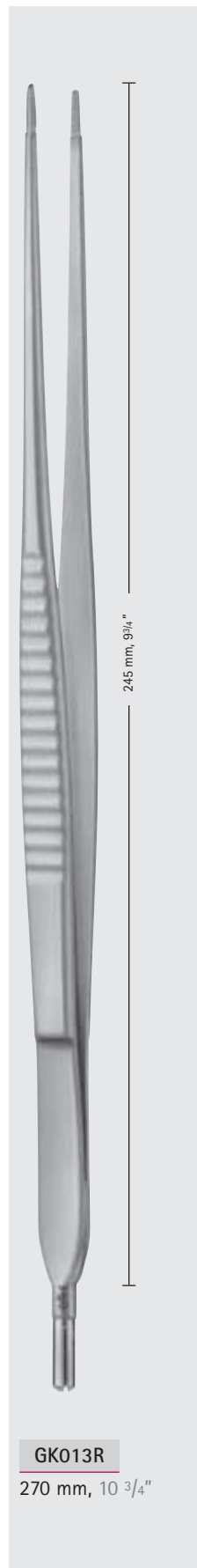
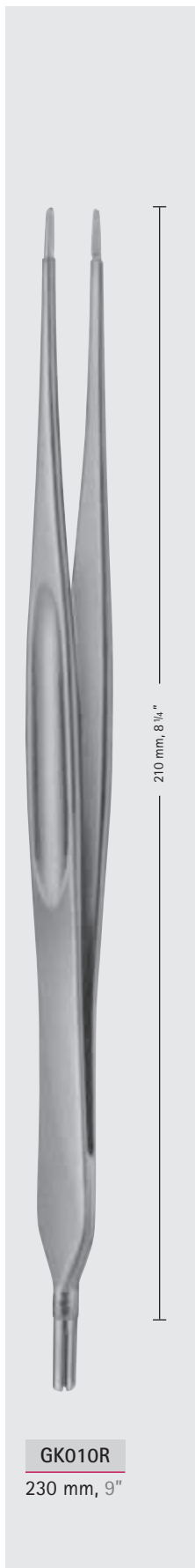
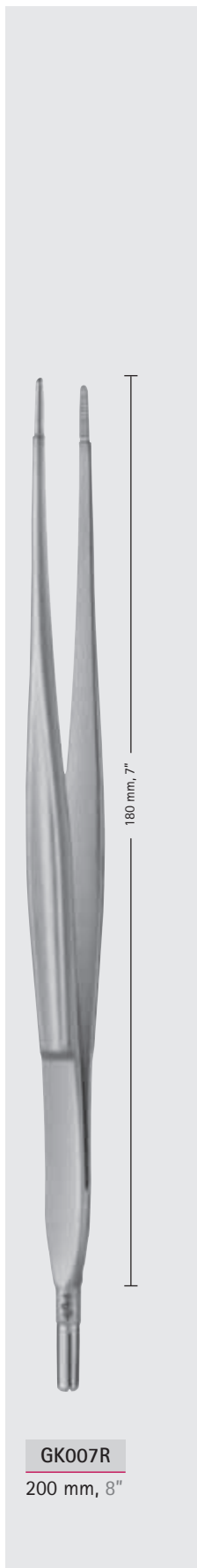
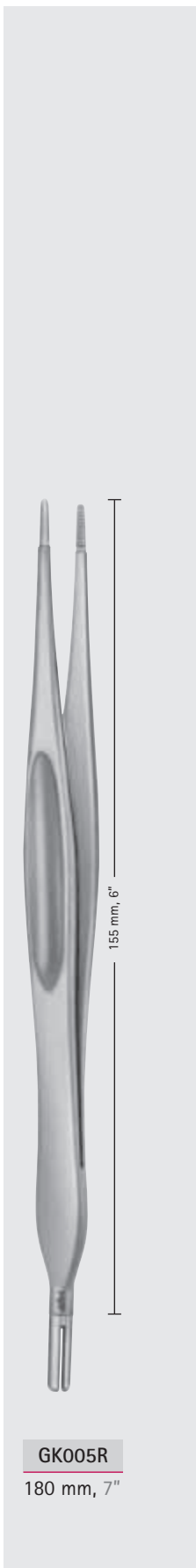
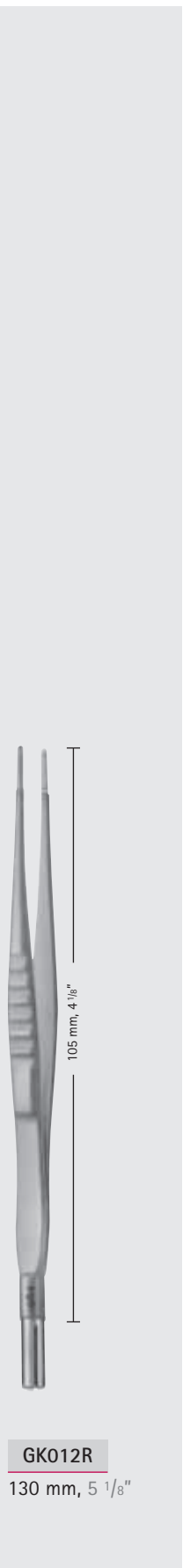
MILLIMETERS

# Elektrochirurgie – Electro Surgery

Pinzetten, isoliert  
Forceps, Insulated

MONOPOLAR

GK



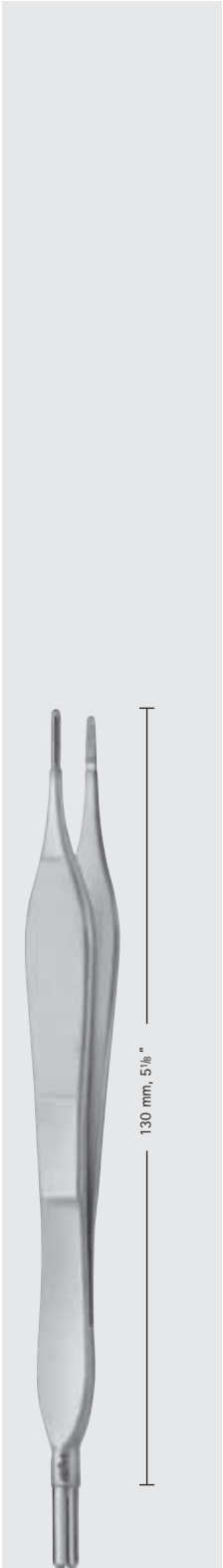


**Elektrochirurgie – Electro Surgery**  
**Pinzetten, isoliert**  
**Forceps, Insulated**

**MONOPOLAR**

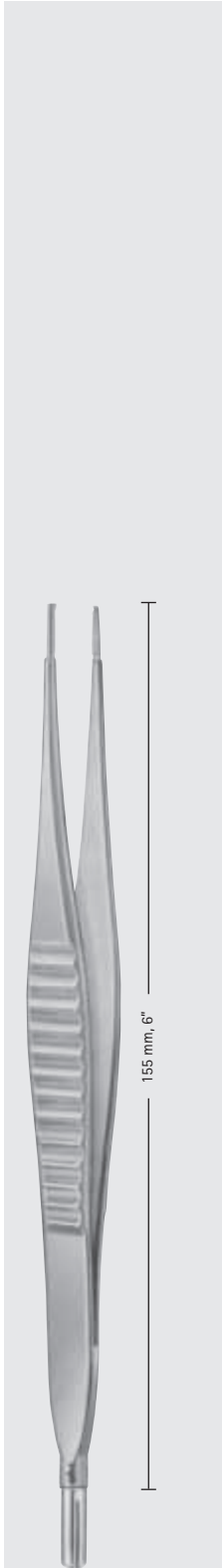


**GK**



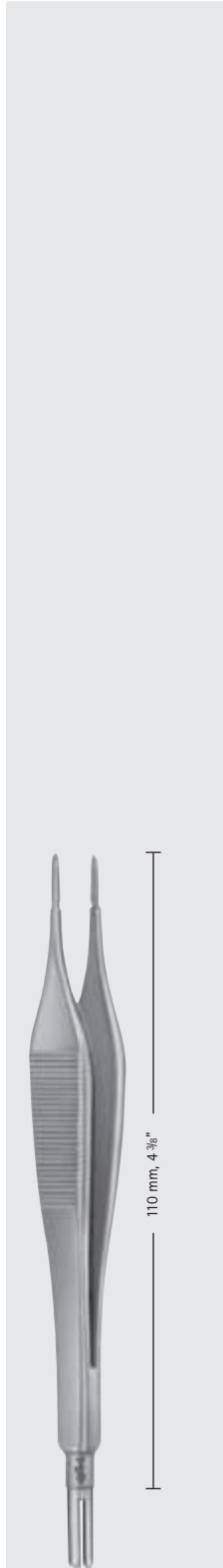
130 mm, 5 1/8"

**ADSON**  
**GK015R**  
 150 mm, 6"



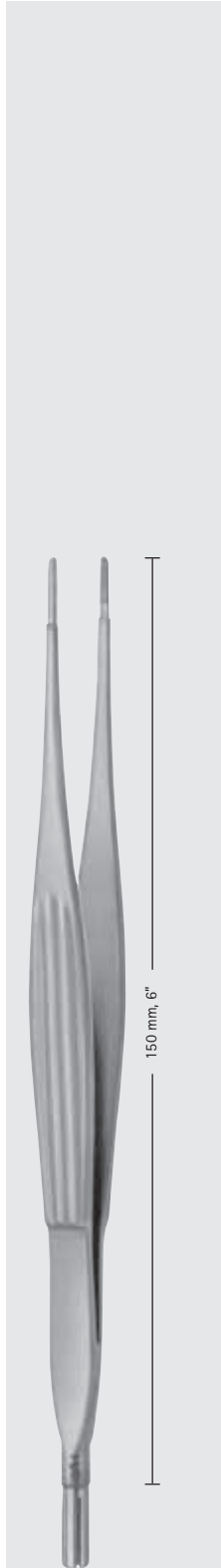
155 mm, 6"

**GILLES**  
**GK006R**  
 1 x 2 Zähne  
 1 x 2 teeth  
 170 mm, 6 3/4"



110 mm, 4 3/8"

**TURNER**  
**GK008R**  
 130 mm, 5 1/8"



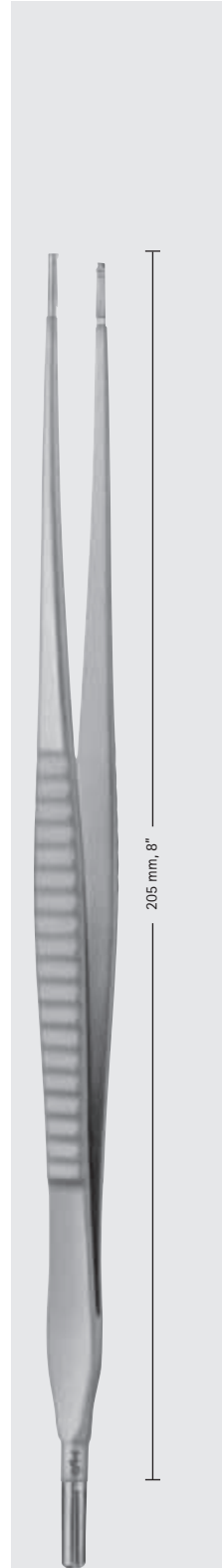
150 mm, 6"

**MC INDOE**  
**GK009R**  
 175 mm, 7"



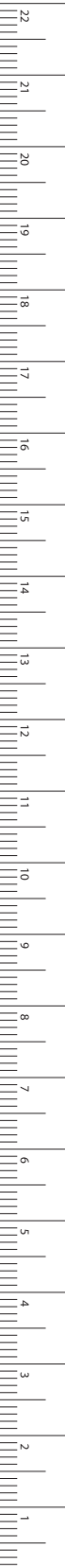
205 mm, 8"

**WAUGH**  
**GK016R**  
 230 mm, 9"



205 mm, 8"

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



MILLIMETERS

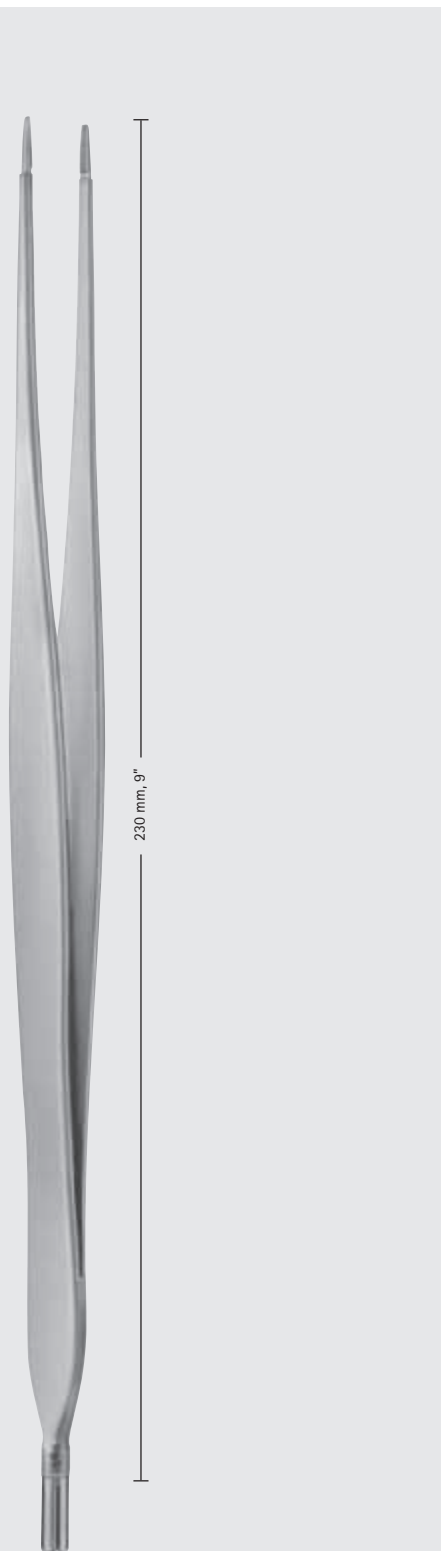
Elektrochirurgie – Electro Surgery

Pinzetten, isoliert

Forceps, Insulated

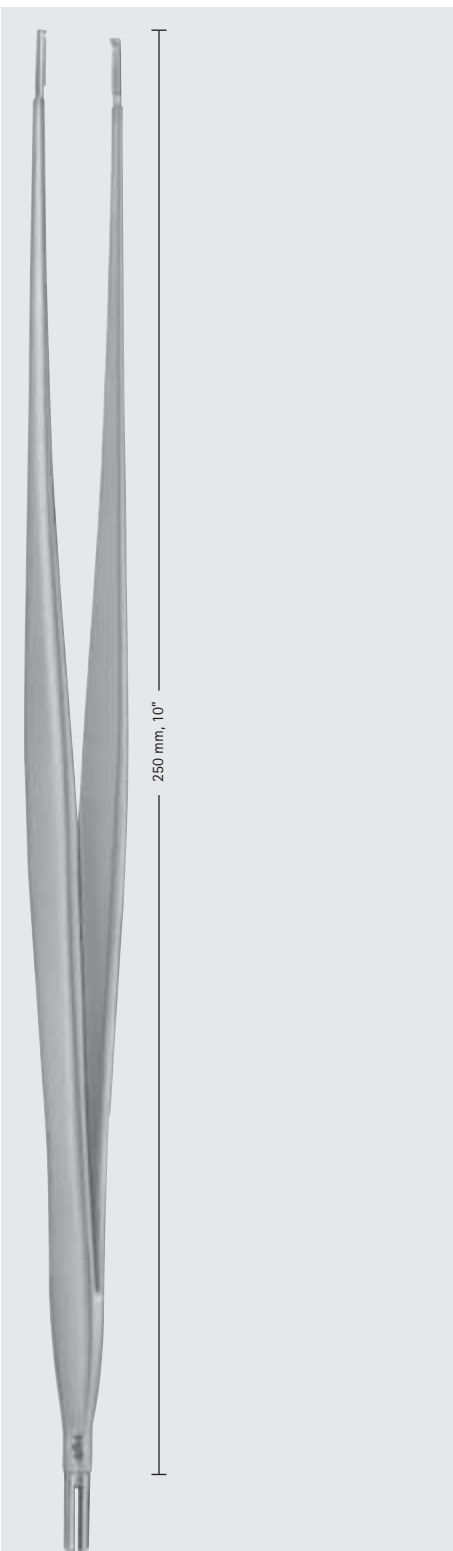
MONOPOLAR

GK



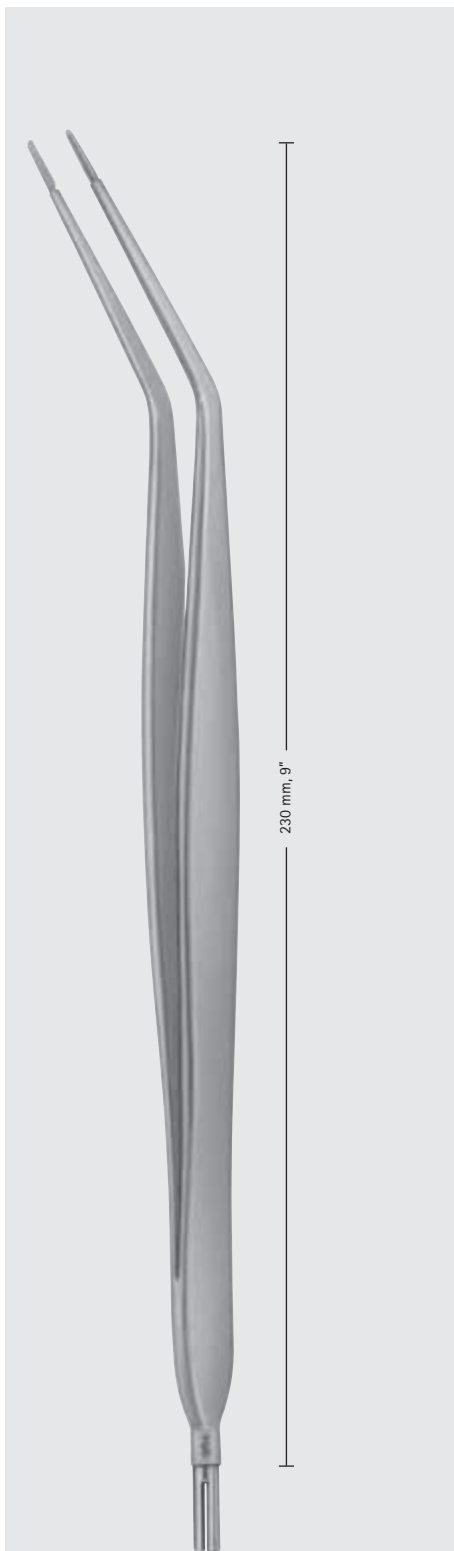
REMINGTON-HOBB  
GK737R

250 mm, 10"



REMINGTON-HOBB  
GK738R

1 x 2 Zähne  
1 x 2 teeth  
270 mm, 10 3/4"



REMINGTON-HOBB  
GK739R

250 mm, 10"





**Elektrochirurgie – Electro Surgery**  
 Pinzetten, isoliert  
 Forceps, Insulated

**MONOPOLAR**

**AIRAUMATA®**

**GK**



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

Anatomische Pinzette  
 Dissecting Forceps

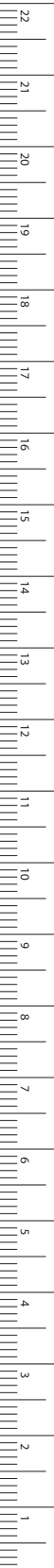


BD855R	BD856R	BD857R
200 mm	240 mm	300 mm
8"	9 1/2"	12"

1 x 2 Zähne  
 1 x 2 teeth



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



MILLIMETERS

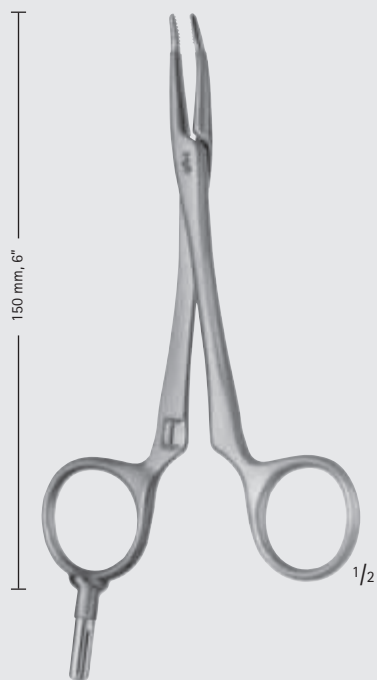
# Elektrochirurgie – Electro Surgery

Klemmen, isoliert  
Forceps, Insulated

MONOPOLAR



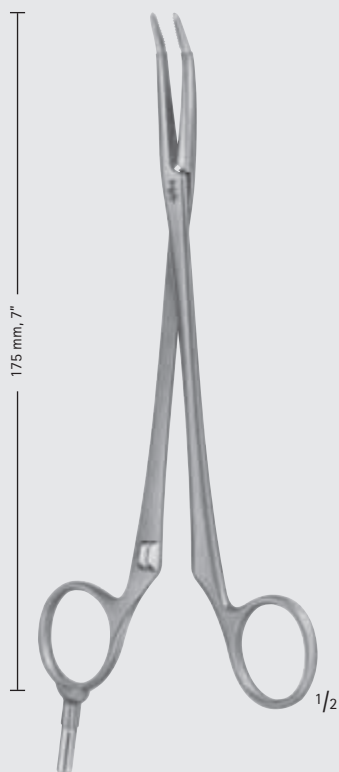
GK



RICHES

**BH353R**

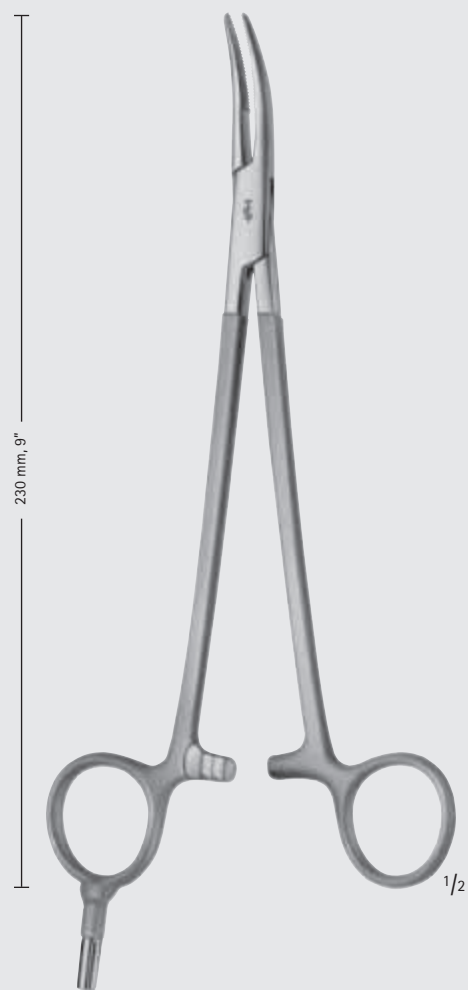
175 mm, 7"



RICHES

**BH354R**

200 mm, 8"



WILSON-HEY

**BH243R**

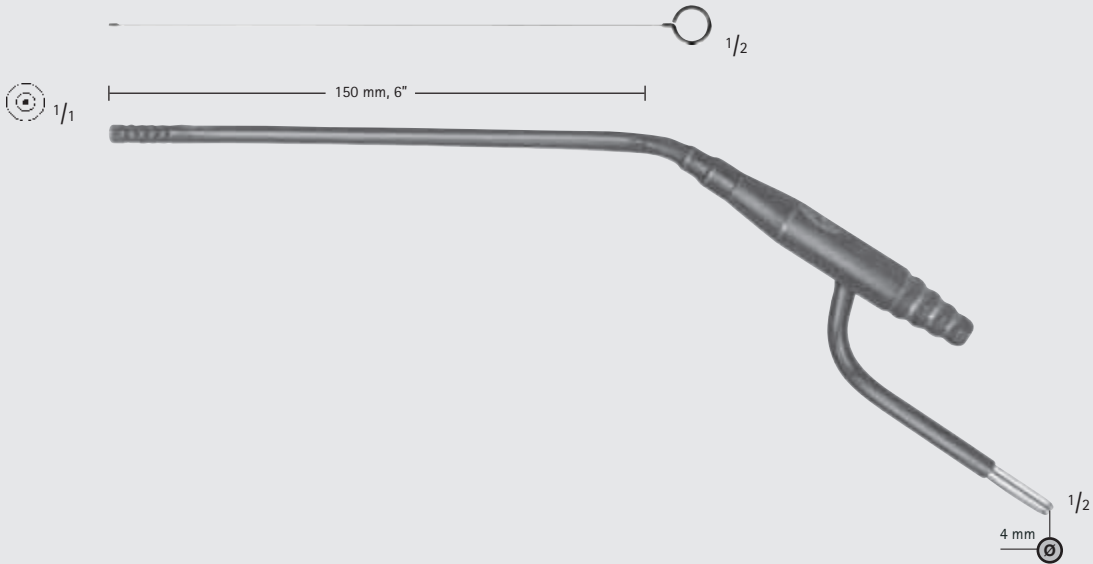
255 mm, 10"



## Elektrochirurgie – Electro Surgery

### Koagulations-Absaugkanülen Coagulation Suction Cannula

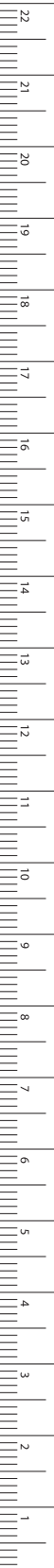
GK



LANDOLT

**GK550**

Koagulations-Absaugkanüle mit Mandrin  
Coagulation suction cannula with mandrel



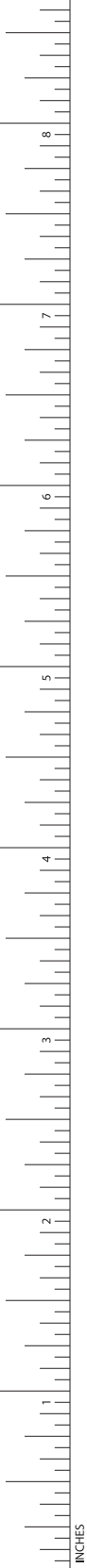
MILLIMETERS

# Elektrochirurgie – Electro Surgery

Anschlusskabel  
Connecting Cables

MONOPOLAR

GK



Geräteseite - Hersteller  
On the equipment side - Manufacturer

Instrumentenseite  
On the instrument side

**GN202**

3,5 m

Aesculap  
ACMI  
Berchtold  
Martin



**GN204**

3,5 m



**GK239**

3,5 m

Erbe ACC/ICC



Monopolar Adapter  
Monopolar adapter

**GN216**

Aesculap



Erbe, Storz

**GK245**

3,5 m

Erbe T



**GK180**

3,5 m



**GK246**

3,5 m

ACMI  
Conmed  
Erbe ICC intern.  
Eschmann  
Valleylab  
US-Norm



**GK181**

3,5 m





# Elektrochirurgie – Electro Surgery

## Standard Koagulationspinzetten

### Standard Coagulation Forceps

## BIPOLAR



Aesculap Rundstecker  
Aesculap round pin connector

schwarz isoliert  
black insulation



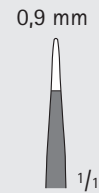
**GK690R**  
120 mm, 4 3/4"



**GK720R-GK722R**  
160 mm, 6 1/4"



**GK723R**  
160 mm, 6 1/4"



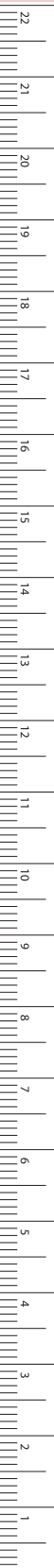
**GK730R**  
200 mm, 8"

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



**GK299**

**GK**



MILLIMETERS

# Elektrochirurgie – Electro Surgery

Mikro- und Laborpinzetten

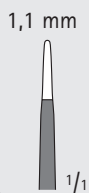
Micro and Laboratory Forceps

BIPOLAR



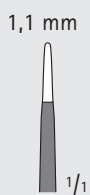
Euro Flachstecker  
Euro tab connector

GK



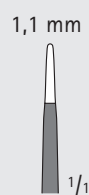
GK809R

scharf  
sharp  
125 mm, 5"



GK807R

fein  
delicate  
175 mm, 7"



GK808R

fein  
delicate  
220 mm, 8 3/4"



**Elektrochirurgie – Electro Surgery**  
 Standard Koagulationspinzetten  
 Standard Coagulation Forceps

**BIPOLAR**



Aesculap Flachstecker  
 Aesculap tab connector

**GK**

0,6 mm 0,9 mm  
 $\frac{1}{1}$   $\frac{1}{1}$

**GK700R GK701R**

**GK700R-GK701R**  
 160 mm, 6 1/4"

0,9 mm  
 $\frac{1}{1}$

**GK703R**  
 200 mm, 8"

0,9 mm  
 $\frac{1}{1}$

**GK711R**  
 160 mm, 6 1/4"

0,9 mm  
 $\frac{1}{1}$

**GK713R**  
 200 mm, 8"



MILLIMETERS

**Elektrochirurgie – Electro Surgery**  
Standard Koagulationspinzetten  
Standard Coagulation Forceps

**BIPOLAR**

**GK**



Aesculap Flachstecker  
Aesculap tab connector



0,6 mm

1/1

**GK595R**

120 mm, 4 3/4"



0,3 mm

1/1

**GK596R**

145 mm, 5 3/4"



0,6 mm

1/1

**GK597R**

110 mm, 4 3/8"





# Elektrochirurgie – Electro Surgery

## Sintram Koagulationspinzetten

### Sintram Coagulation Forceps

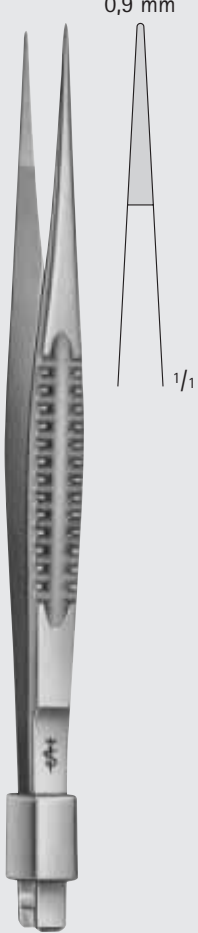
## BIPOLAR




Aesculap Flachstecker  
Aesculap tab connector



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



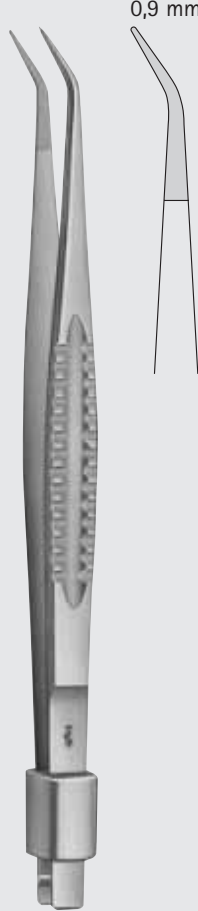
**GK604R**  
160 mm, 6 1/4"  
gerade  
straight



**GK605R**  
185 mm, 7 1/4"  
gerade  
straight



**GK606R**  
200 mm, 8"  
gerade  
straight

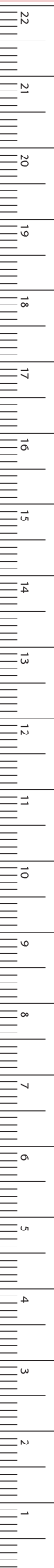


**GK624R**  
160 mm, 6 1/4"  
abgewinkelt  
angled



**GK625R**  
200 mm, 8"  
abgewinkelt  
angled

GK



# Elektrochirurgie – Electro Surgery

Pinzette, vollisolierte Spitze

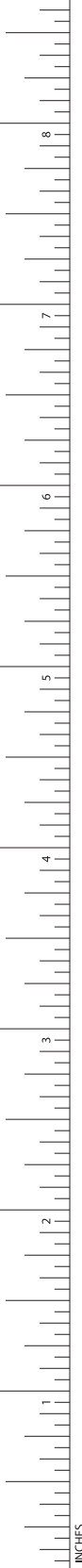
Forceps, Fully Insulated Tip

BIPOLAR

GK



Aesculap Flachstecker  
Aesculap tab connector



BARRE

**GK685R**

260 mm,  
10 1/4"



**GK881R**

160 mm,  
6 1/4"



**GK882R**

200 mm,  
8"



**GK883R**

230 mm, 9"



**GK884R**

250 mm,  
10"



**GK885R**

300 mm,  
12"



**GK886R**

160 mm,  
6 1/4"



# BIPOLAR

## Elektrochirurgie – Electro Surgery Pinzette, teilisolierte Spitze Forceps, Partly Insulated Tip



Aesculap Flachstecker  
Aesculap tab connector

GK



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**

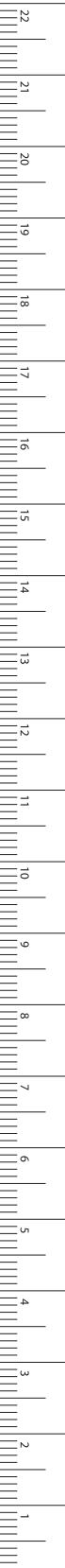
300 mm,  
12"



1/2

**GK896R**

160 mm,  
6 1/4"



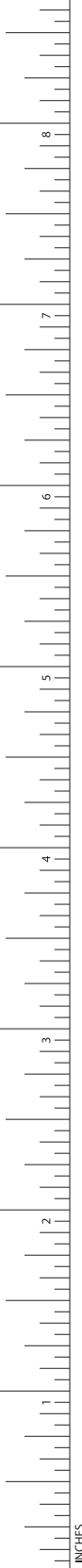
MILLIMETERS

# Elektrochirurgie – Electro Surgery

Präparierscheren  
Dissecting Scissors

BIPOLAR

GK



METZENBAUM

**BC685R-BC686R**

180 mm, 7"



METZENBAUM

**BC687R-BC688R**

230 mm, 9"



METZENBAUM

**BC689R-BC690R**

280 mm, 11"

Länge  
Length

180 mm

7"

230 mm

9"

280 mm

11"



1/1

Standard-Spitze  
Standard tip

**BC685R**



1/1

Feine Spitze  
Fine tip

**BC686R**

**BC688R**

**BC690R**



### Anti Verdreh Kabel

Kabel und Anschlüsse sind so konstruiert, dass sich die Kabel nicht verdrehen können. Dadurch ist gewährleistet, dass die Schere auch nach mehrmaligem Rotieren noch geöffnet werden kann.

### Anti-twist cable

The BiopJet 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.



## Elektrochirurgie – Electro Surgery

### Klemmen und Handschalter

### Bipolar Forceps and Finger Switches

## BIPOLAR

*bipoJet*



BH686R	BH687R	BH689R
180 mm	230 mm	280 mm
7"	9"	11"



BH686R-BH689R

#### Bipolare Handschalter

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

#### Bipolar finger switches

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



GN084

für BipoJet Schere  
for BipoJet scissors



GN086

für BipoJet Klemmen  
for BipoJet clamps

#### Nelson Bibox - Bipolare Schaltbox

- ermöglicht den Anschluss der Handschalter GN084 und GN086 an HF Geräte anderer Hersteller
- es können bis zu zwei bipolare Instrumente mit Hand- oder Fußschalter betrieben werden

#### Nelson Bibox - Bipolar switchbox

- allows the connection of the finger switches GN084 and GN086 to HF units of other suppliers
- allows the use of two bipolar instruments parallelly with finger or foot switch activation



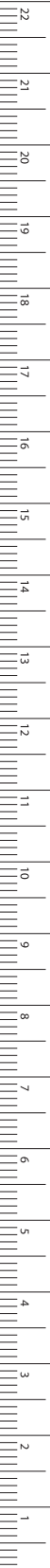
305 x 75 x 305 mm

GN310

Nelson Bibox  
Bipolare Schaltbox  
Nelson Bibox  
Bipolar switchbox

Weitere Informationen finden Sie in unserem Prospekt C304.  
For further details see brochure No. C304.

GK



# Elektrochirurgie – Electro Surgery

Anschlusskabel  
Connecting Cables

BIPOLAR

GK



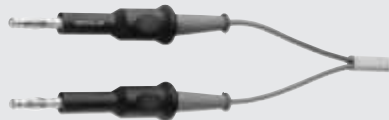
Geräteseite - Hersteller  
On the equipment side - Manufacturer

Instrumentenseite  
On the instrument side

**GN080**

5 m

ACMI  
Codman  
Conmed  
Erbe international  
Olympus  
Valleylab



**GN081**

5 m

Aesculap  
Berchthold  
Martin  
R. Wolf



**GN082**

5 m

Erbe  
Storz



**GN083**

5 m

Für Aesculap  
Elektrochirurgie  
Geräte:  
For Aesculap  
Generators:  
GK020  
GK021  
GK030  
GK034  
GK050  
GK051



**GN085**

5 m

Aesculap  
Bowa  
EMC  
Lamidey  
Söring  
Valleylab





# Elektrochirurgie – Electro Surgery

## Anschlusskabel Connecting Cables

### BIPOLAR

GK

Geräteseite - Hersteller  
On the equipment side - Manufacturer

Instrumentenseite  
On the instrument side

**GN073**

3,5 m

**GN077**

5,0 m

**GN076**

3,5 m

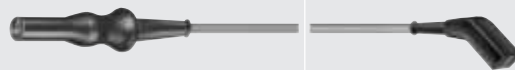
**GN078**


5,0 m

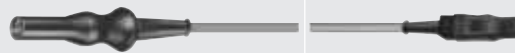
**GN074**


3,5 m

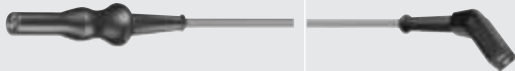
Aesculap  
ACMI  
Berchtold  
Martin  
Wolf




 Aesculap  
Flachstecker  
tab connector



 Euro-Flachstecker  
Euro tab connector



 Aesculap  
Rundstiftstecker  
Round pin connector

**GK200**

3,5 m

**GK183**


3,5 m

**GK210**


3,5 m

Aesculap  
ACMI  
Codman  
Conmed  
Olympus  
Valleylab



 Aesculap  
Flachstecker  
tab connector



 Euro-Flachstecker  
Euro tab connector



 Aesculap  
Rundstiftstecker  
Round pin connector

**XF830**

3,5 m

**GK216**

3,5 m

**GK213**

5 m

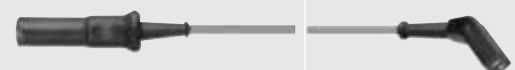
**GK185**


3,5 m

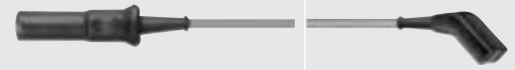
**GK188**


5,0 m

Erbe  
Storz




 Aesculap  
Rundstiftstecker  
Round pin connector



 Aesculap  
Flachstecker  
tab connector



 Euro-Flachstecker  
Euro tab connector

Bipolar Adapter  
Bipolar adapter



Erbe, Storz



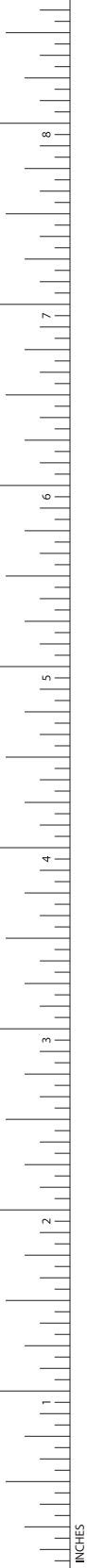
MILLIMETERS

# Elektrochirurgie – Electro Surgery

## Anschlusskabel Connecting Cables

**BIPOLAR**

**GK**




Geräteseite - Hersteller  
On the equipment side - Manufacturer

Instrumentenseite  
On the instrument side

**GK217**  
3,5 m

Codman




 Aesculap  
Flachstecker  
tab connector

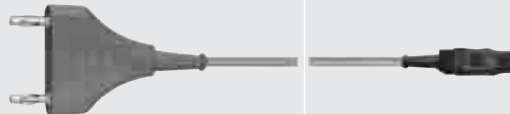
**GK193**  
3,5 m


Aesculap  
Bowa  
EMC  
Lamidey  
Söring  
Valleylab



 Aesculap  
Flachstecker  
tab connector

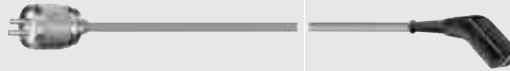
**GK194**  
3,5 m




 Euro-Flachstecker  
Euro tab connector

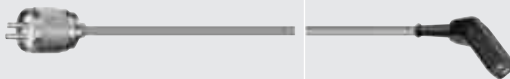
**GK202**  
3,5 m


AESCULAP  
GK020  
GK021  
GK030  
GK034  
GK050  
GK051



 Aesculap  
Flachstecker  
tab connector

**GK212**  
3,5 m



 Aesculap  
Rundstiftstecker  
Round pin connector



### Single Use

**GK211**  
3,5 m

PAK =  
Packung à  
10 Stück  
PAK =  
Package of  
10 pieces

AESCULAP  
ACMI  
Codman  
Conmed  
Olympus  
Valleylab

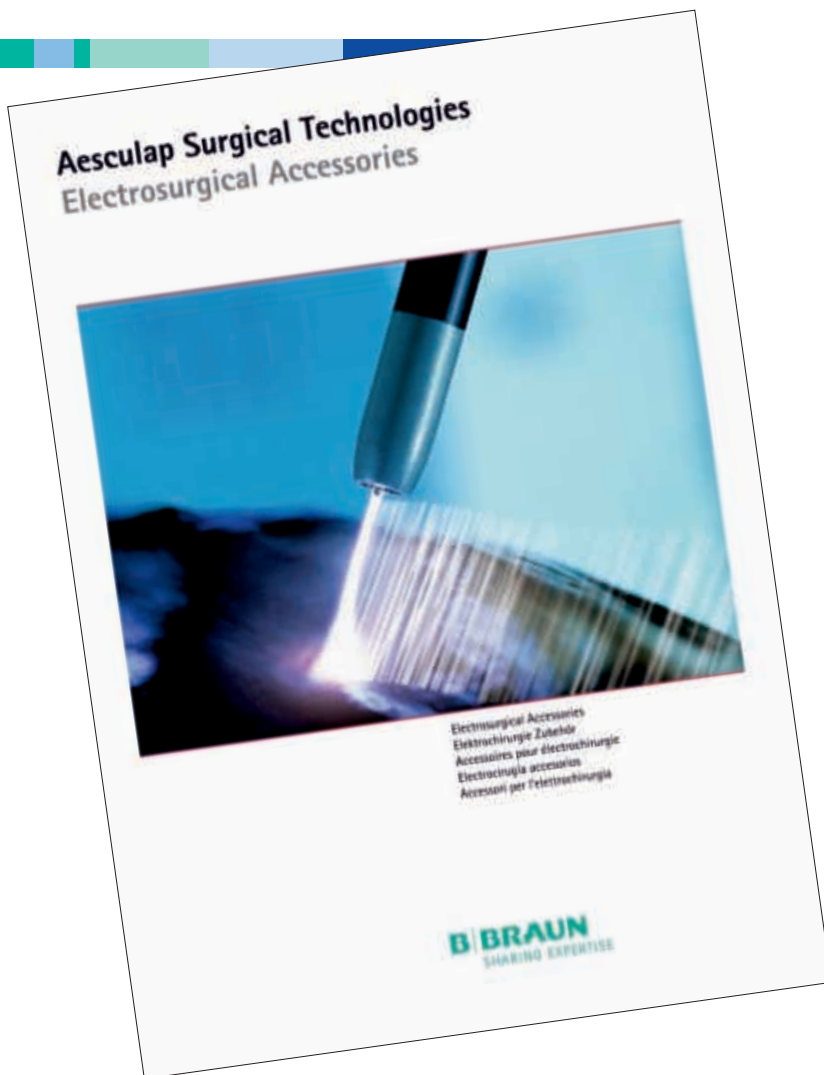


 für Pinzetten mit  
Aesculap-Flach-  
stecker und  
 Rundstiftstecker  
for forceps with  
Aesculap tab con-  
nector and round  
pin connector





## Elektrochirurgie – Electro Surgery Zubehör Accessoir



Weitere Informationen finden Sie in unserem Prospekt C30481.

For further details see brochure No. C30481.

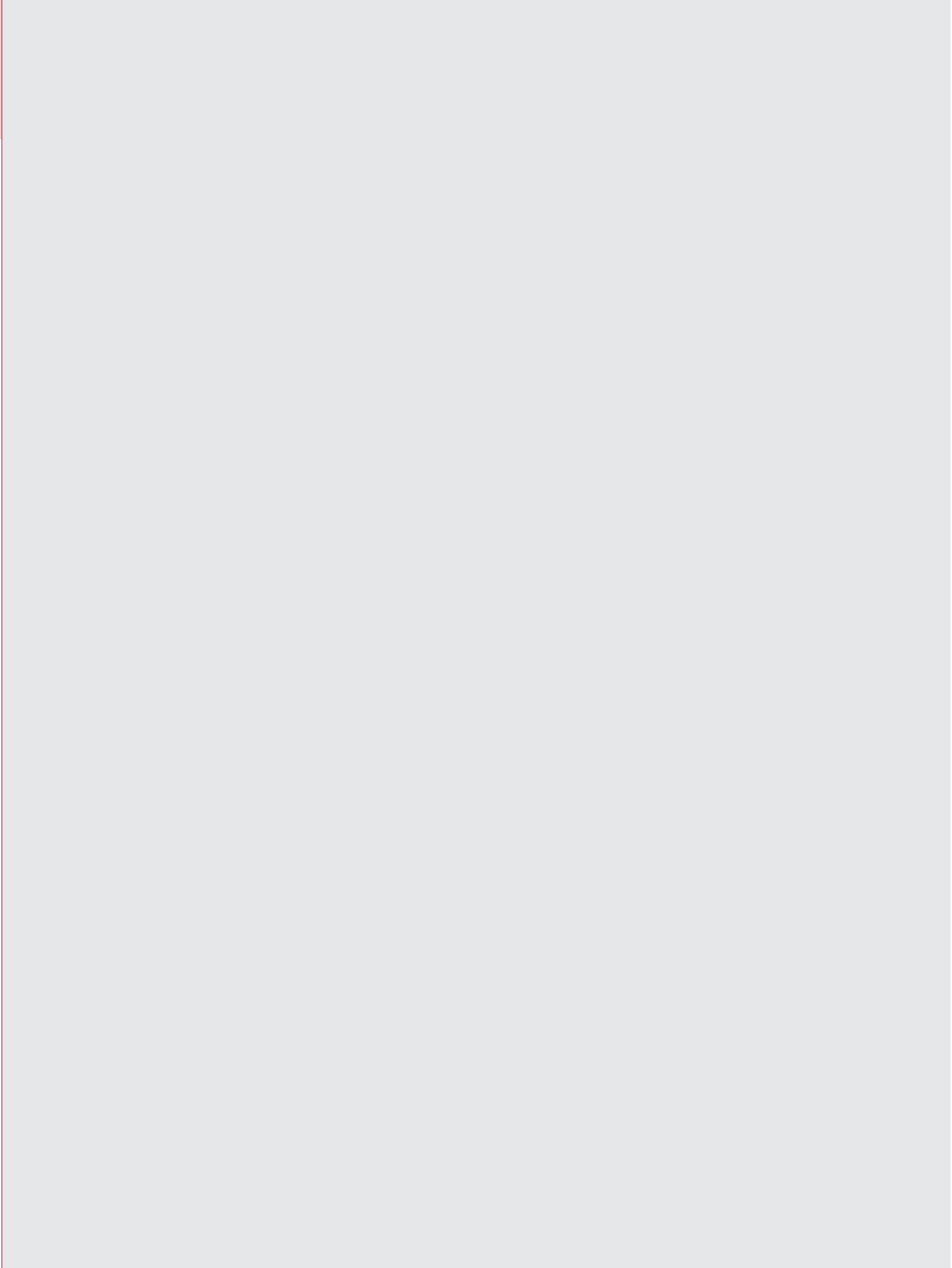
### Inhalt C30481 „Elektrochirurgie Zubehör“ Table of Contents C30481 "Electrosurgical Accessories"

- Geräte und Zubehör  
Units and Accessories
- Monopolares Equipment für die offene Chirurgie  
Monopolar equipment for open surgery
- Bipolares Equipment – Koagulationspinzetten  
Bipolar equipment – Coagulation forceps
- Neutralelektroden  
Neutral electrodes
- Kabel und Adapter  
Cables and Adapter
- Elektrochirurgie in der Endoskopie  
Electrosurgical Endoscopy

GK



MILLIMETERS



EA



Abdominale Chirurgie, Magen-, Darm-  
und Rektum-Instrumente

Abdominal Surgery, Intestinal- and  
Rectal Instruments

# Abdominale Chirurgie – Abdominal Surgery

Darm- und Gewebefasszangen

Intestinal- and Tissue Grasping Forceps

EA



$\frac{1}{1}$   
2 x 3 Zähne, scharf  
2 x 3 teeth, sharp

$\frac{1}{2}$

CHAPUT

BF300R

125 mm, 5"



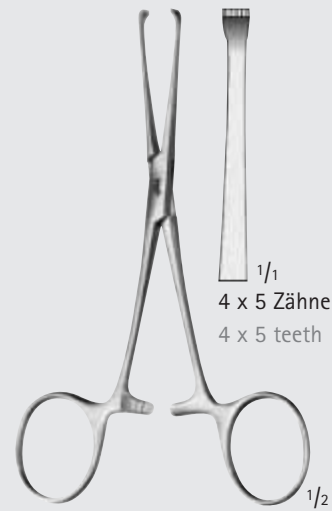
$\frac{1}{1}$   
5 x 6 Zähne, scharf  
5 x 6 teeth, sharp

$\frac{1}{2}$

TUFFIER

BF301R

125 mm, 5"



$\frac{1}{1}$   
4 x 5 Zähne  
4 x 5 teeth

$\frac{1}{2}$

BABY-ALLIS

EA012R

130 mm, 5  $\frac{1}{8}$ "



$\frac{1}{1}$   
5 x 6 Zähne  
5 x 6 teeth

$\frac{1}{2}$

BOYS-ALLIS

EA010R

155 mm, 6"



$\frac{1}{1}$   
9 x 10 Zähne  
9 x 10 teeth

$\frac{1}{2}$

ALLIS-ADAIR

MD568

160 mm, 6  $\frac{1}{4}$ "



INCHES

## Abdominale Chirurgie – Abdominal Surgery

### Darm- und Gewebefasszangen

### Intestinal- and Tissue Grasping Forceps

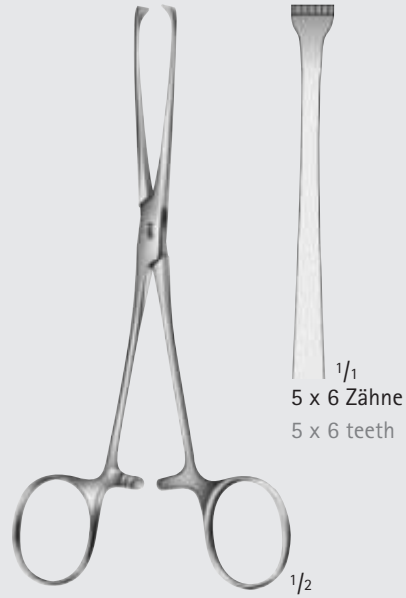
EA



ALLIS

**EA013R-EA015R**

155 mm, 6"



ALLIS

**EA016R**

155 mm, 6"



ALLIS

**EA017R-EA018R**

5 x 6 Zähne  
zarte Modelle  
5 x 6 teeth  
slendern patterns



ALLIS

**FB938R**

220 mm, 8 3/4"



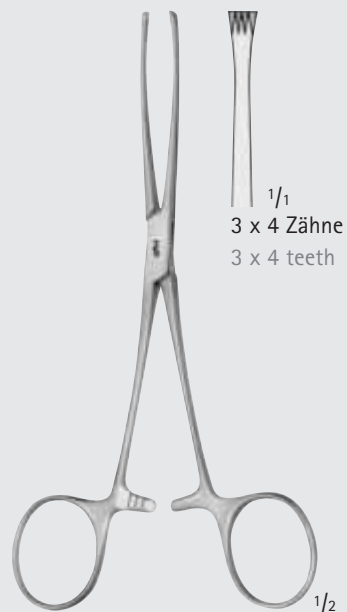
MILLIMETERS

# Abdominale Chirurgie – Abdominal Surgery

Organ- und Gewebefassungen

Organ- and Tissue Grasping Forceps

EA



1/1  
3 x 4 Zähne  
3 x 4 teeth

JUDD-ALLIS

EA025R

155 mm, 6"

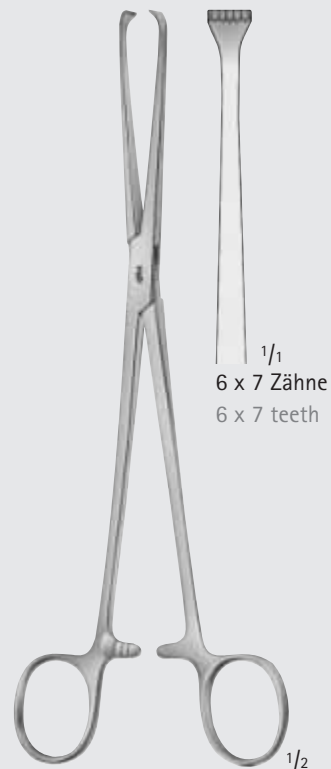


1/1  
3 x 4 Zähne  
3 x 4 teeth

JUDD-ALLIS

EA026R

195 mm, 7 3/4"

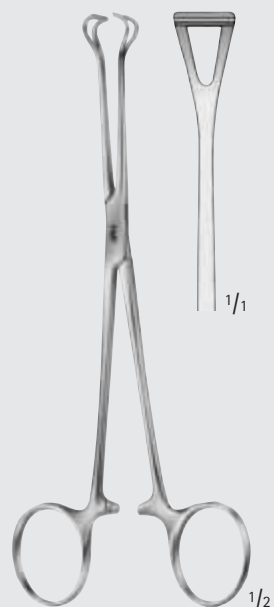


1/1  
6 x 7 Zähne  
6 x 7 teeth

ALLIS-THOMS

EA020R

200 mm, 8"



1/1

BABCOCK

EA030R

155 mm, 6"



1/1

EA031R	EA032R	EA033R
170 mm	215 mm	200 mm
6 3/4"	8 1/2"	8"

BABCOCK

EA031R-EA033R



1/1

BABCOCK

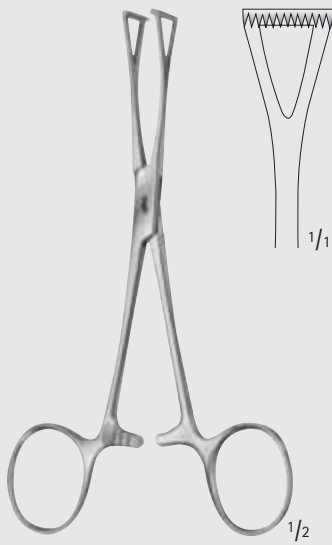
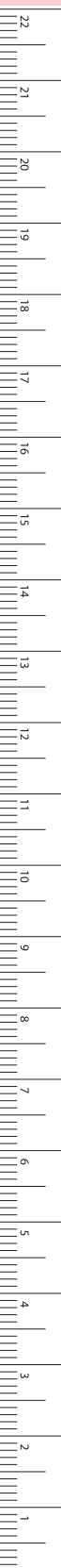
FB934R

220 mm, 8 3/4"

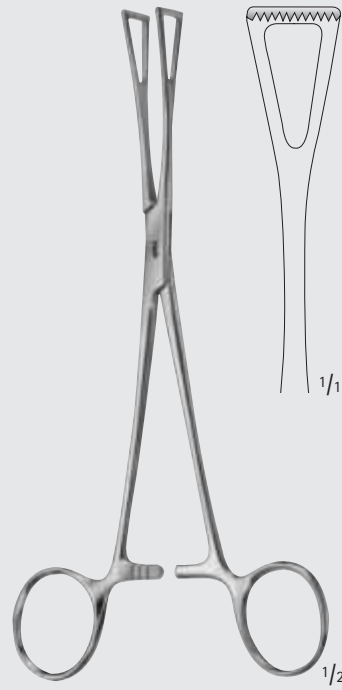


**Abdominale Chirurgie – Abdominal Surgery**  
 Darmfazzangen  
 Intestinal Grasping Forceps

**EA**



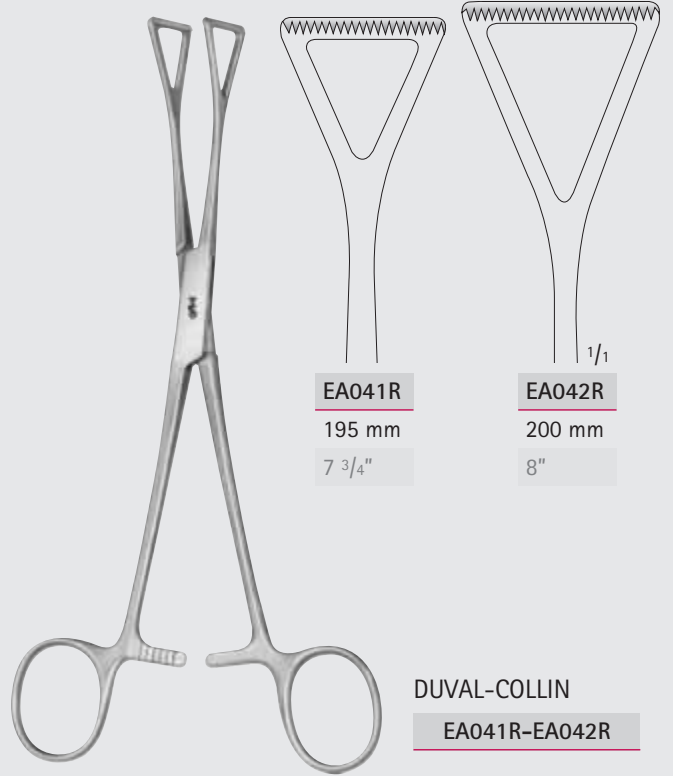
**COLLIN**  
**EA039R**  
 140 mm, 5 1/2"



**COLLIN**  
**EA040R**  
 180 mm, 7"



**LOCKWOOD**  
**EA036R**  
 200 mm, 8"



**EA041R**  
 195 mm  
 7 3/4"

**EA042R**  
 200 mm  
 8"

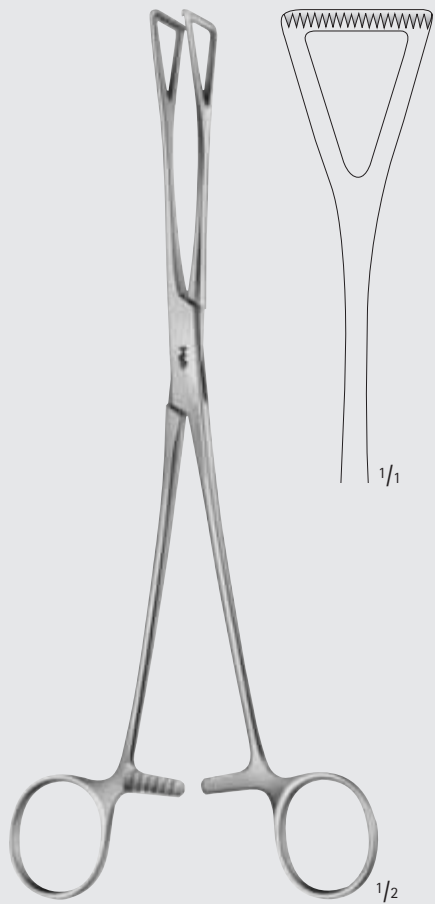
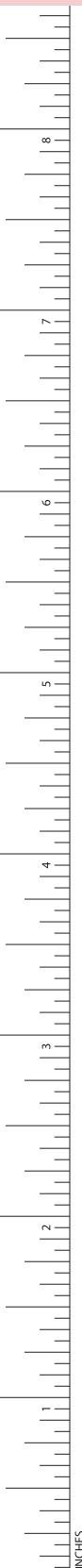
**DUVAL-COLLIN**  
**EA041R-EA042R**

# Abdominale Chirurgie – Abdominal Surgery

## Darmfazzangen

### Intestinal Grasping Forceps

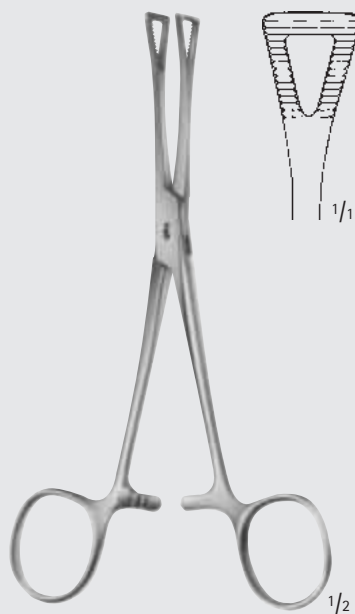
EA



DUVAL

FB930R

230 mm, 9"



PENNINGTON

BH902R

155 mm, 6"



PENNINGTON

EA037R

200 mm, 8"



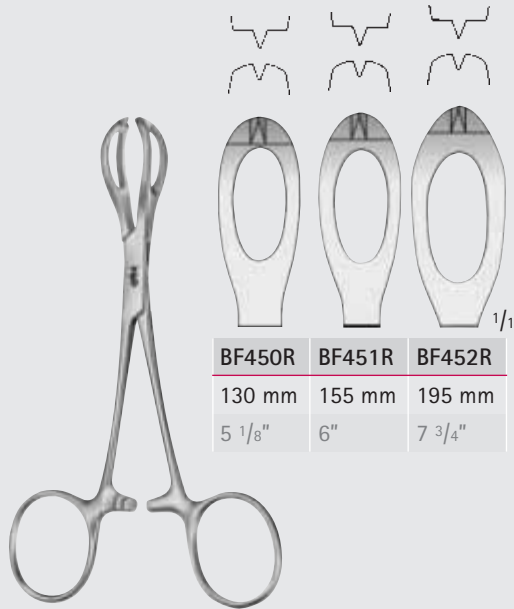


## Abdominale Chirurgie – Abdominal Surgery

### Organ-, Gewebefasszangen und Pinzetten

### Organ-, Tissue Grasping Forceps and Dissecting Forceps

EA



BF450R	BF451R	BF452R
130 mm	155 mm	195 mm
5 1/8"	6"	7 3/4"

LANE

**BF450R-BF452R**



WILLIAMS

**EA028R**

160 mm, 6 1/4"



DENIS-BROWNE

**EA027R**

190 mm, 7 1/2"



DUVAL

**BD820R**

140 mm, 5 1/2"



WANGENSTEIN

**BD171R-BD173R**

BD171R	BD173R
150 mm	230 mm
6"	9"



STILLE-BARRAYA

**BD725R-BD727R**

BD725R	BD726R	BD727R
180 mm	200 mm	250 mm
7"	8"	10"
3 x 4 Zähne 3 x 4 teeth	3 x 4 Zähne 3 x 4 teeth	4 x 5 Zähne 4 x 5 teeth



MILLIMETERS

# Abdominale Chirurgie – Abdominal Surgery

Organ-, Gewebe- und Darmfasszangen

Organ-, Tissue and Intestinal Grasping Forceps

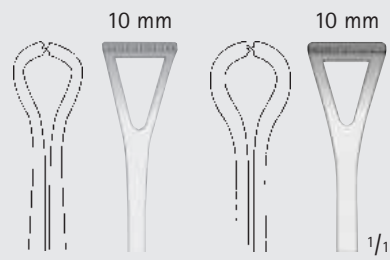
TRAUMATA®

EA



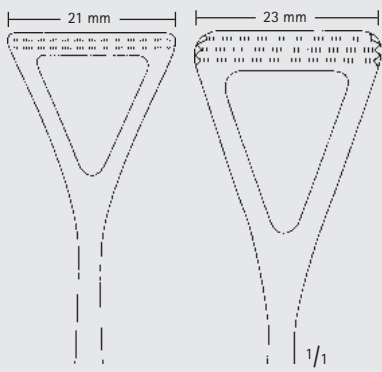
EA092R	EA095R	EA096R	EA097R	EA099R	EA101R	EA100R
155 mm	200 mm	220 mm	255 mm	300 mm	350 mm	295 mm
6"	8"	8 3/4"	10"	12"	14"	11 3/4"

ALLIS  
EA092R-EA101R



EA050R	EA052R
160 mm	215 mm
6 1/4"	8 1/2"

BABCOCK  
EA050R-EA052R



EA061R	EA062R
195 mm	230 mm
7 3/4"	9"

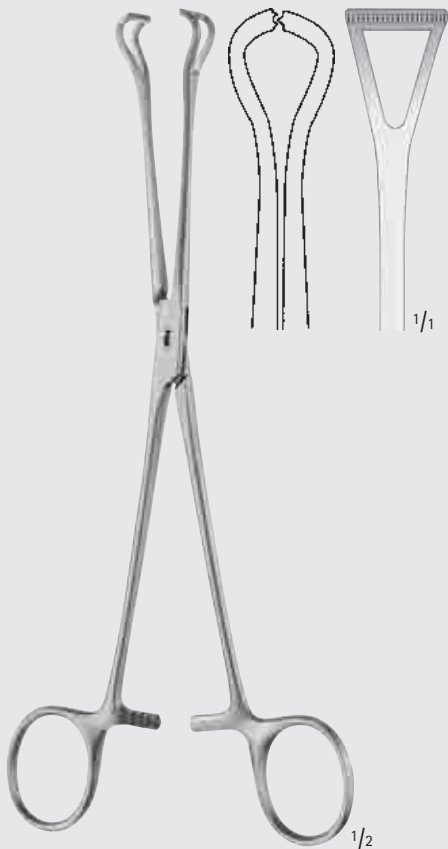
COLLIN  
EA061R-EA062R



AIRAUMATA®

**Abdominale Chirurgie – Abdominal Surgery**  
Organ-, Gewebe- und Darmfazzangen  
Organ-, Tissue and Intestinal Grasping Forceps

EA



BABCOCK

FB936R

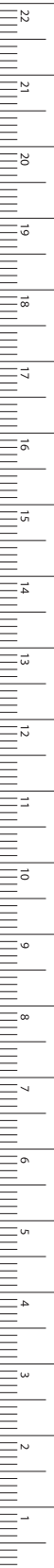
220 mm, 8 3/4"



BABCOCK

MD470

240 mm, 9 1/2"



MILLIMETERS

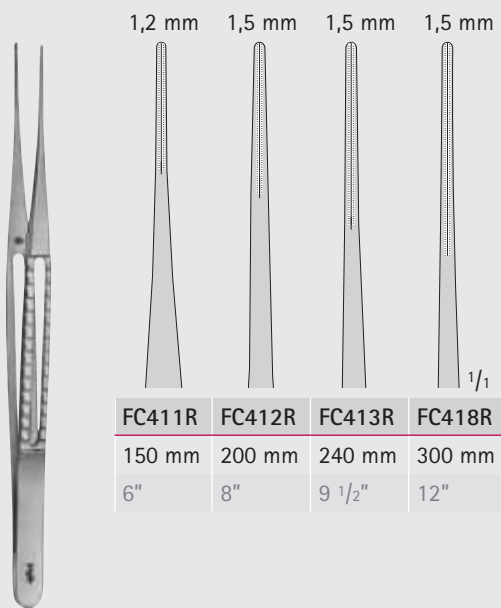
# Abdominale Chirurgie – Abdominal Surgery

Ultra-Light Pinzetten, Pinzetten

Ultra-Light-Forceps, Dissecting Forceps

ARAUMATA®

EA



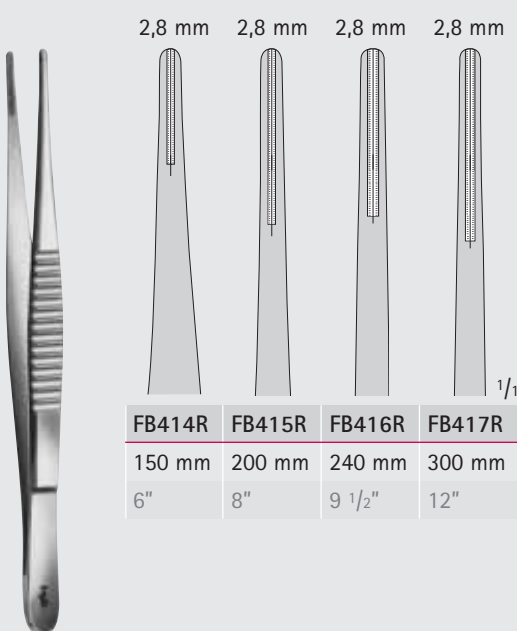
FC411R	FC412R	FC413R	FC418R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

**FC411R-FC418R**  
Ultra-Light Pinzetten  
Ultra-Light-Forceps



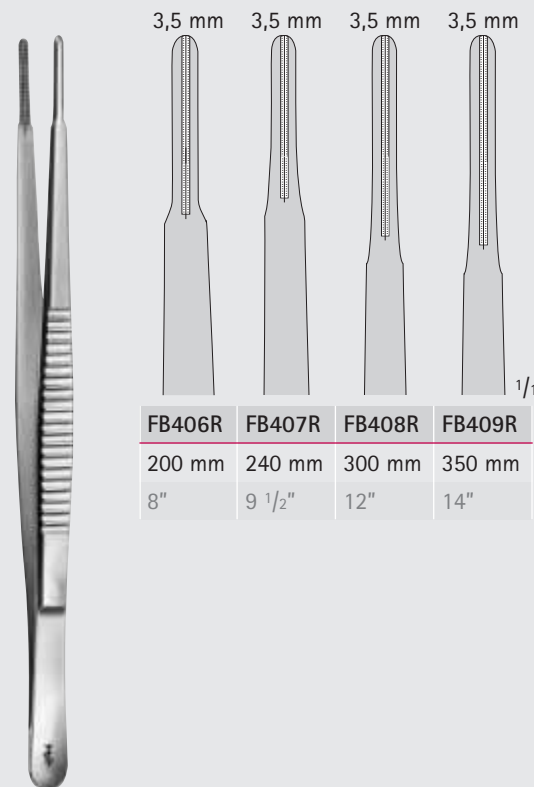
FB400R	FB402R	FB404R	FB405R
150 mm	200 mm	240 mm	300 mm
6"	8"	9 1/2"	12"

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**



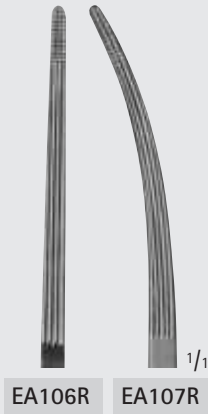
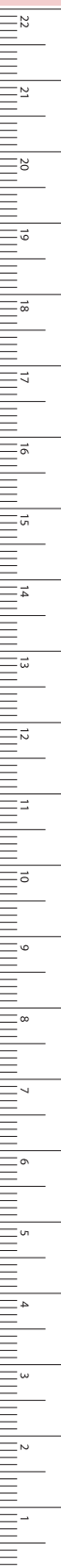
FB406R	FB407R	FB408R	FB409R
200 mm	240 mm	300 mm	350 mm
8"	9 1/2"	12"	14"

DE BAKEY  
**FB406R-FB409R**  
350 mm, 14"



**Abdominale Chirurgie – Abdominal Surgery**  
 Darmklemmen für Kinder  
 Intestinal Clamps for Children

EA



EA106R

EA107R

BAINBRIDGE

EA106R-EA107R

155 mm, 6"

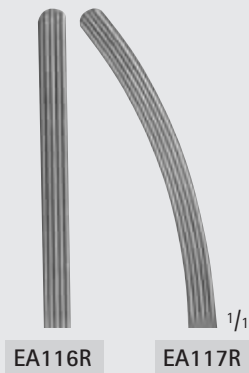


1/1

ALLEN

EA114R

155 mm, 6"



EA116R

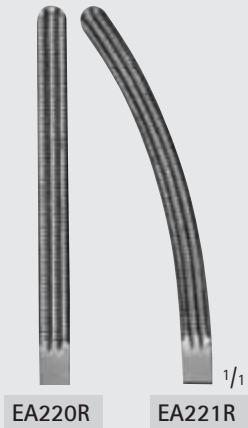
EA117R

BABY-KOCHER

EA116R-EA117R

sehr elastisch  
 very elastic  
 130 mm, 5 1/8"

AIRAUMATA®



EA220R

EA221R

BABY-KOCHER

EA220R-EA221R

weich und elastisch  
 soft and elastic  
 130 mm, 5 1/8"

MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

Darmklemmen, weich federnd

Intestinal Clamps, Soft Elastic

EA



EA120R

EA121R

$\frac{1}{1}$

DOYEN

EA120R-EA121R

elastisch

elastic

$\frac{1}{2}$  165 mm, 6  $\frac{1}{2}$ "

ARAUMATA®



EA222R

EA223R

$\frac{1}{1}$

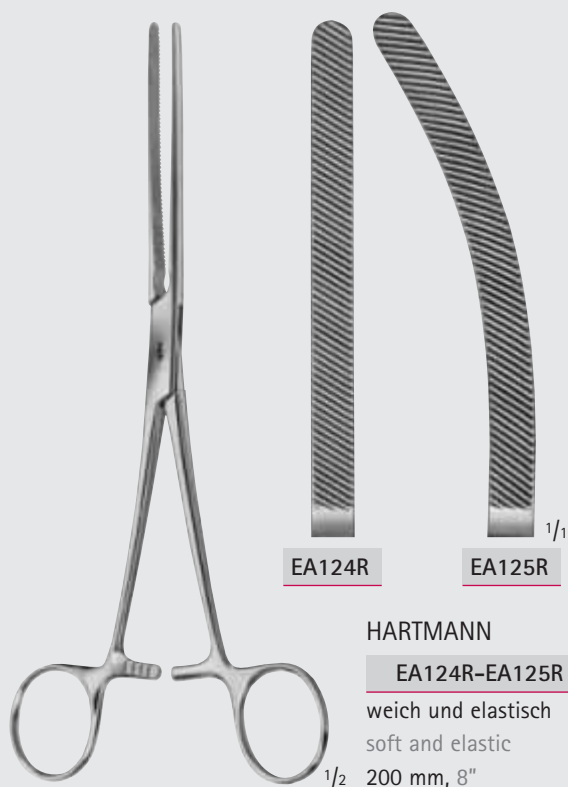
DOYEN

EA222R-EA223R

weich und elastisch

soft and elastic

$\frac{1}{2}$  170 mm, 6  $\frac{3}{4}$ "



EA124R

EA125R

$\frac{1}{1}$

HARTMANN

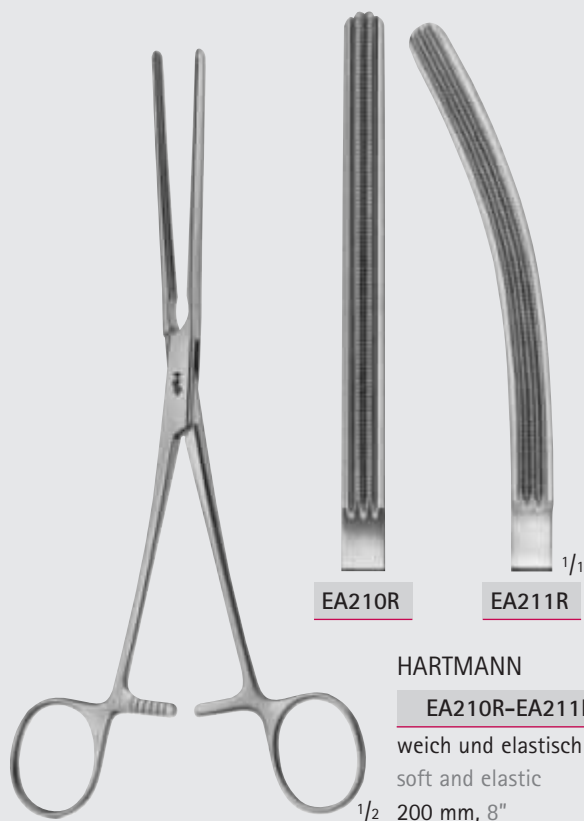
EA124R-EA125R

weich und elastisch

soft and elastic

$\frac{1}{2}$  200 mm, 8"

ARAUMATA®



EA210R

EA211R

$\frac{1}{1}$

HARTMANN

EA210R-EA211R

weich und elastisch

soft and elastic

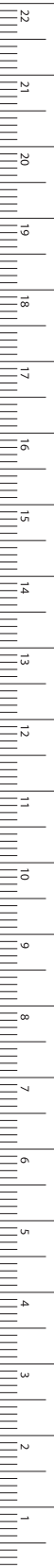
$\frac{1}{2}$  200 mm, 8"



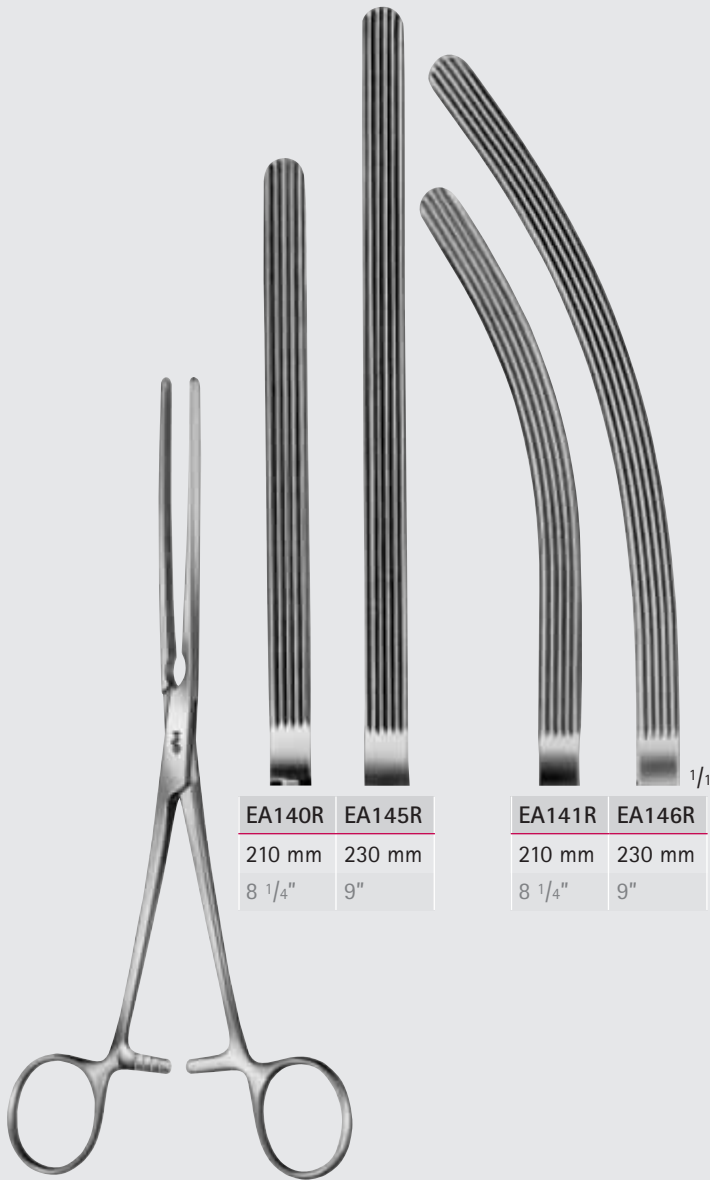
## Abdominale Chirurgie – Abdominal Surgery

Darmklemmen, weich federnd  
Intestinal Clamps, Soft Elastic

EA



MILLIMETERS



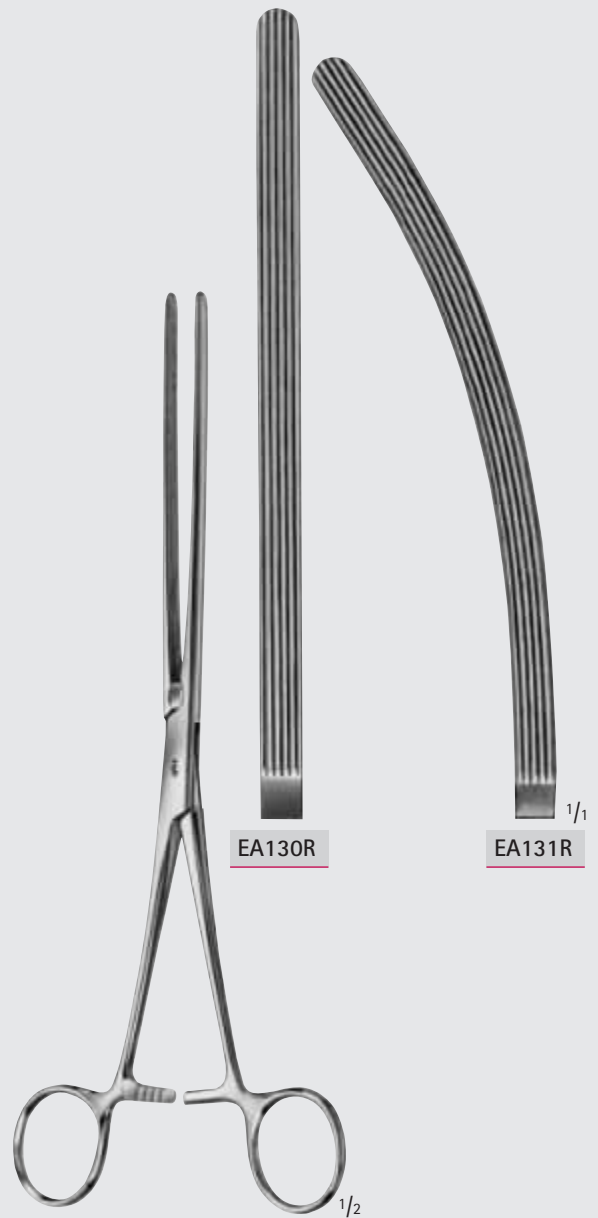
EA140R	EA145R
210 mm	230 mm
8 1/4"	9"

EA141R	EA146R
210 mm	230 mm
8 1/4"	9"

KOCHER

EA140R-EA146R

weich und elastisch  
soft and elastic



EA130R

EA131R

DOYEN

EA130R-EA131R

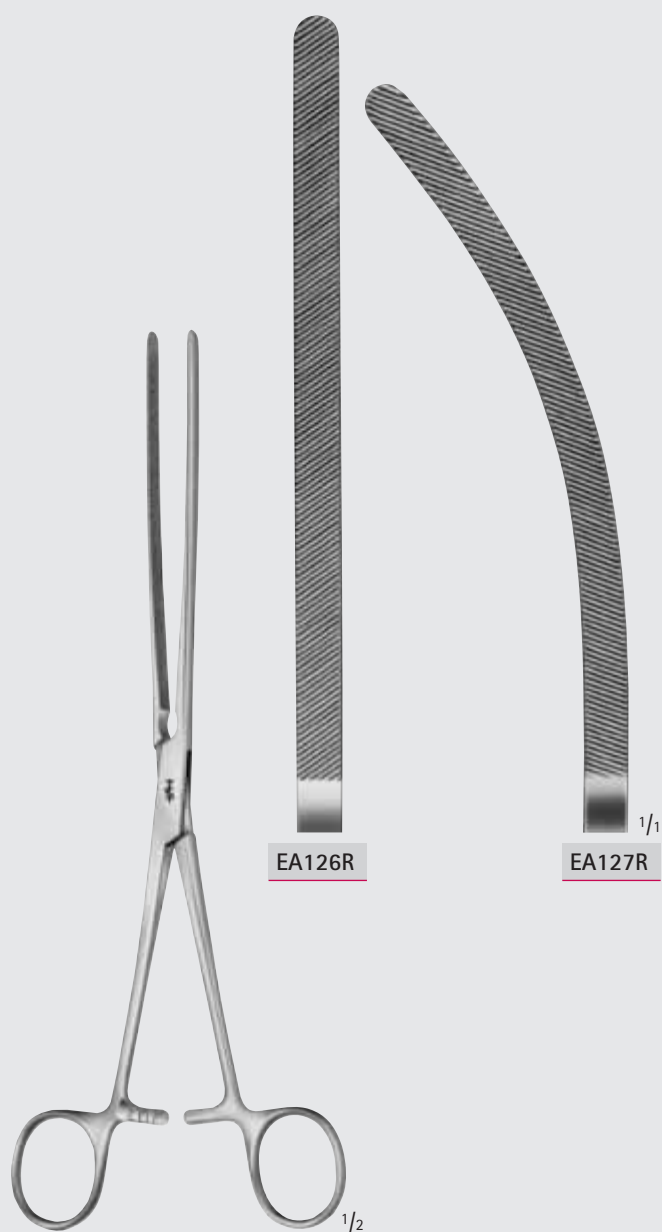
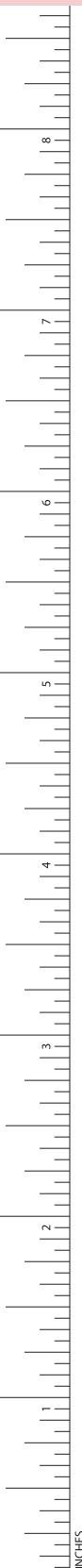
weich und elastisch  
soft and elastic  
240 mm, 9 1/2"

## Abdominale Chirurgie – Abdominal Surgery

Darmklemmen, weich federnd

Intestinal Clamps, Soft Elastic

EA



EA126R

EA127R <sup>1/1</sup>

DOYEN

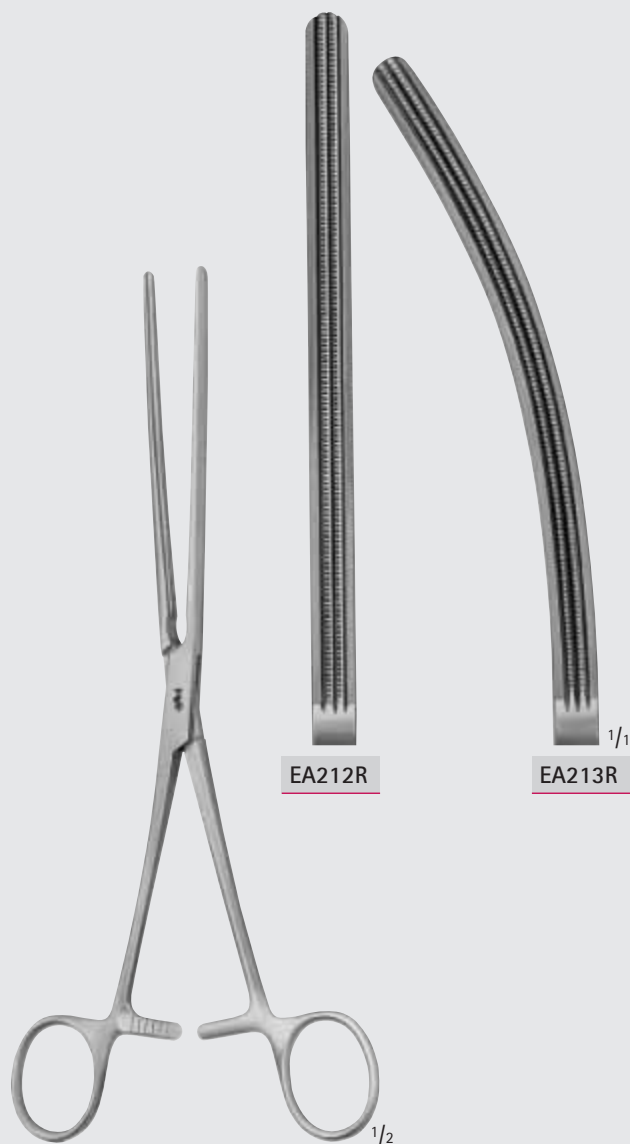
EA126R-EA127R

weich und elastisch

soft and elastic

235 mm, 9 1/4"

AIRAUMATA<sup>®</sup>



EA212R

EA213R <sup>1/1</sup>

DOYEN

EA212R-EA213R

weich und elastisch

soft and elastic

230 mm, 9"

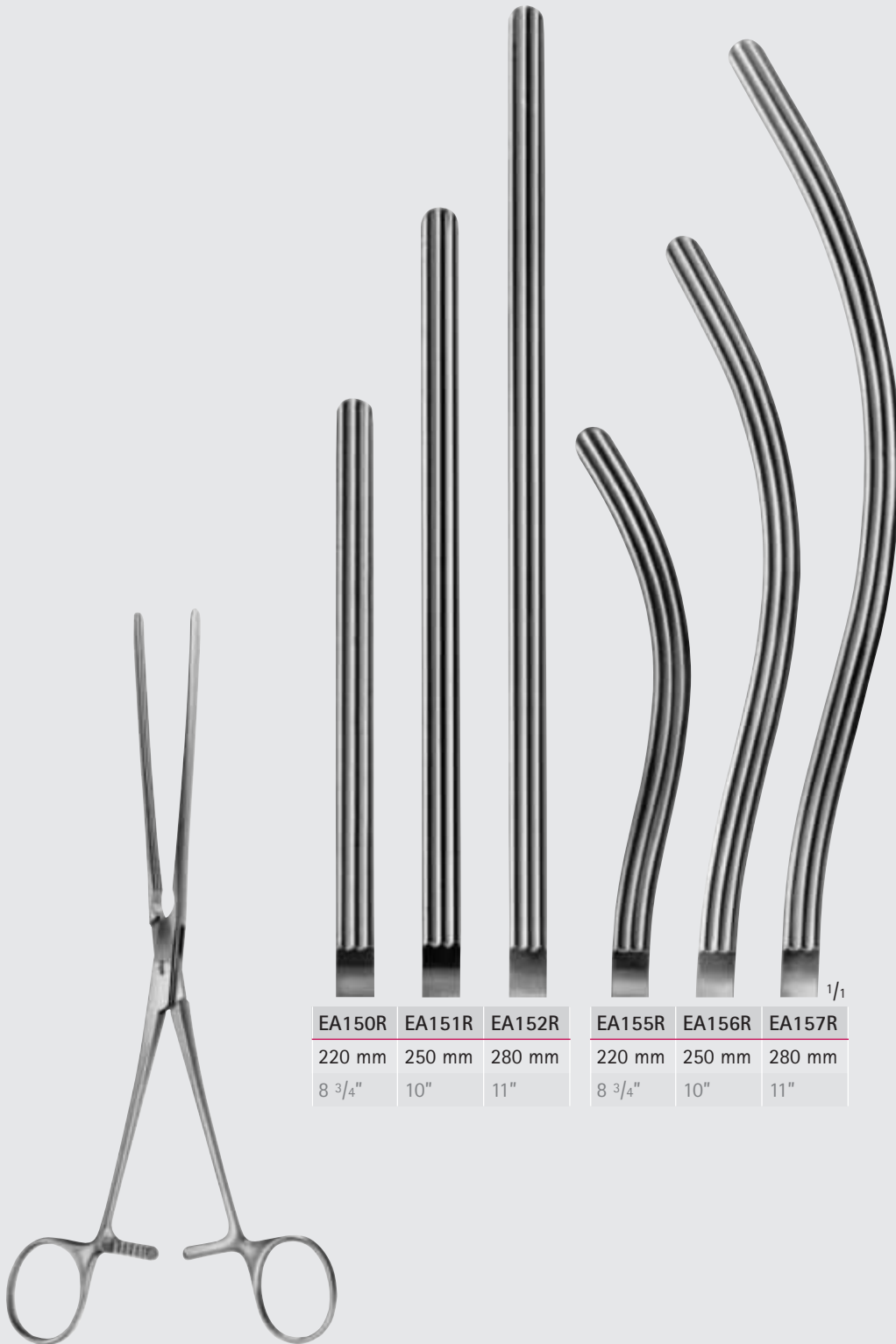




## Abdominale Chirurgie – Abdominal Surgery

Darmklemmen, weich federnd  
Intestinal Clamps, Soft Elastic

EA



EA150R	EA151R	EA152R	EA155R	EA156R	EA157R
220 mm	250 mm	280 mm	220 mm	250 mm	280 mm
8 3/4"	10"	11"	8 3/4"	10"	11"

1/1

KOCHER

EA150R-EA157R

sehr weich und elastisch  
very soft and elastic



MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

Darmklemmen, weich federnd

Intestinal Clamps, Soft Elastic

EA

TRAUMATA®

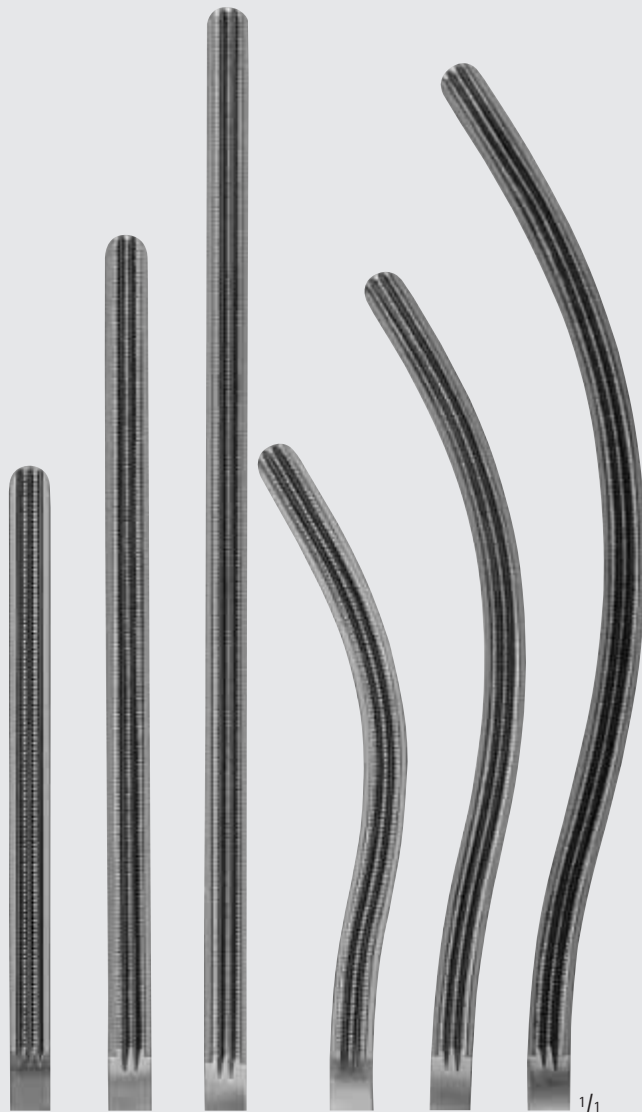


KOCHER

EA202R-EA207R

sehr weich und elastisch

very soft and elastic



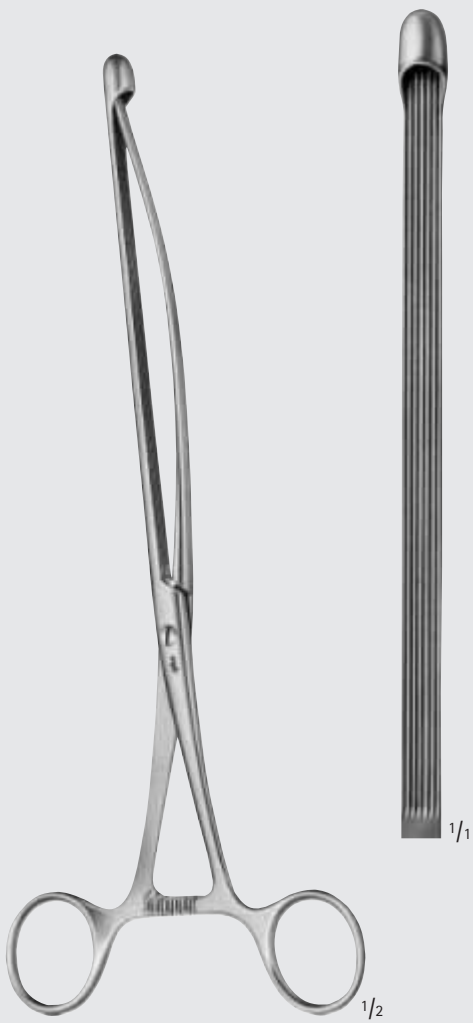
EA202R	EA204R	EA206R	EA203R	EA205R	EA207R
220 mm	250 mm	280 mm	220 mm	250 mm	280 mm
8 3/4"	10"	11"	8 3/4"	10"	11"

1/1



Abdominale Chirurgie – Abdominal Surgery  
Darmklemmen  
Intestinal Clamps

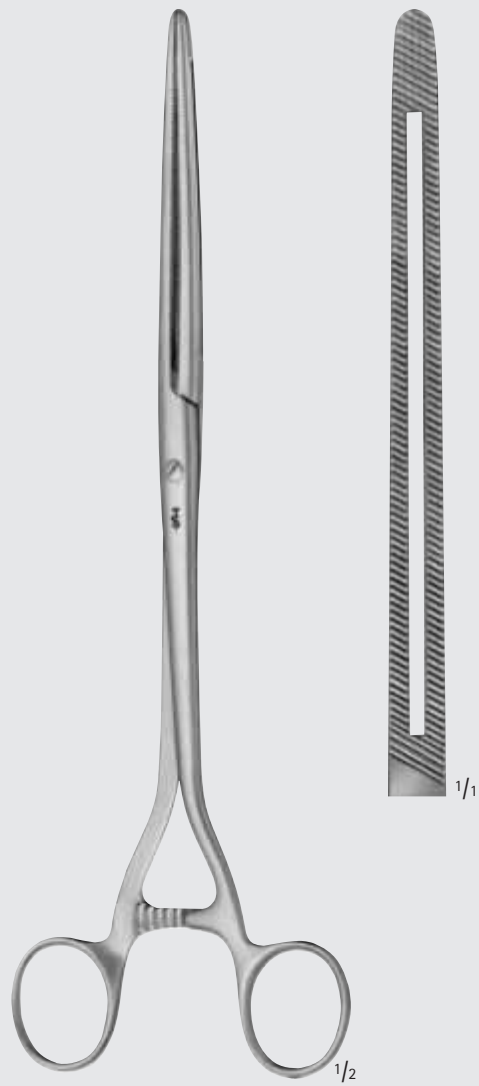
EA



NUSSBAUM

EA176R

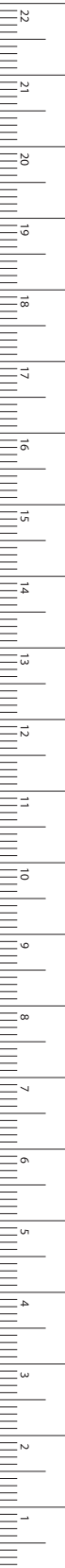
weich und elastisch  
soft and elastic  
250 mm, 10"



MOYNIHAN

EA182R

280 mm, 11"



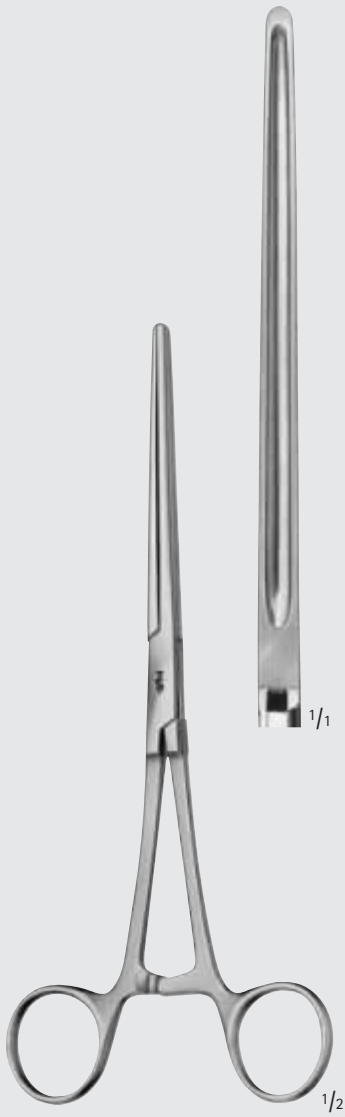
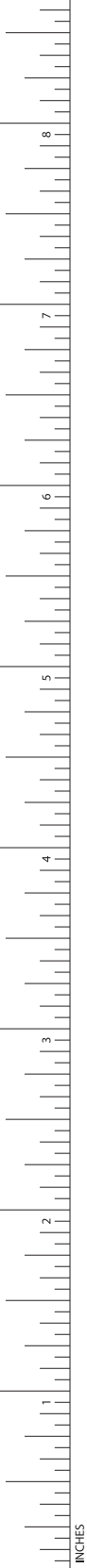
MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

Darmklemmen

Intestinal Clamps

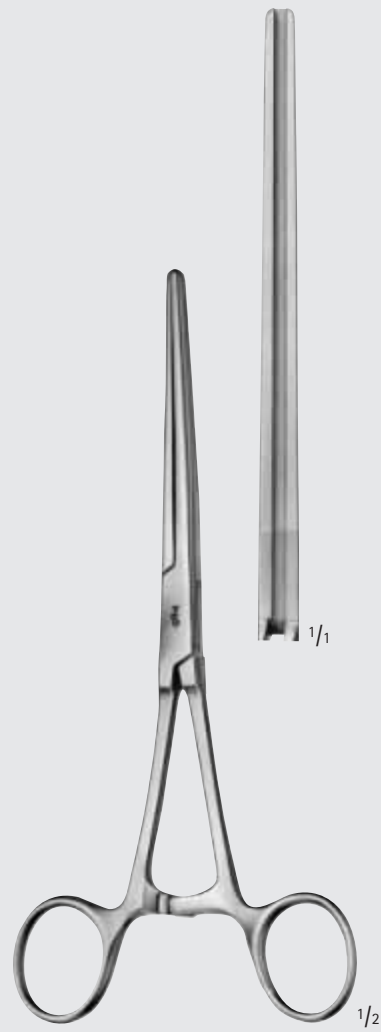
EA



LANG-STEVENSON

EA132R

200 mm, 8"



SCHOEMAKER

EA321R

Colectomie-Klemme

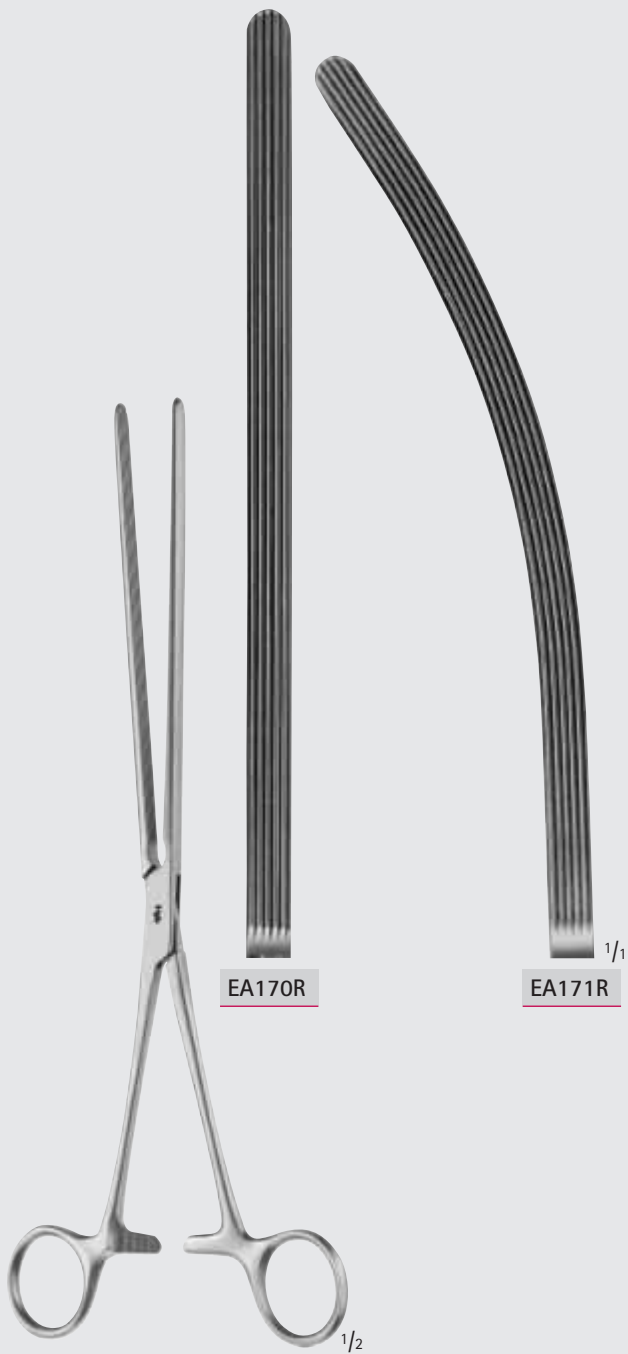
Colectomy clamp

200 mm, 8"



Abdominale Chirurgie – Abdominal Surgery  
Darmklemmen  
Intestinal Clamps

EA



EA170R

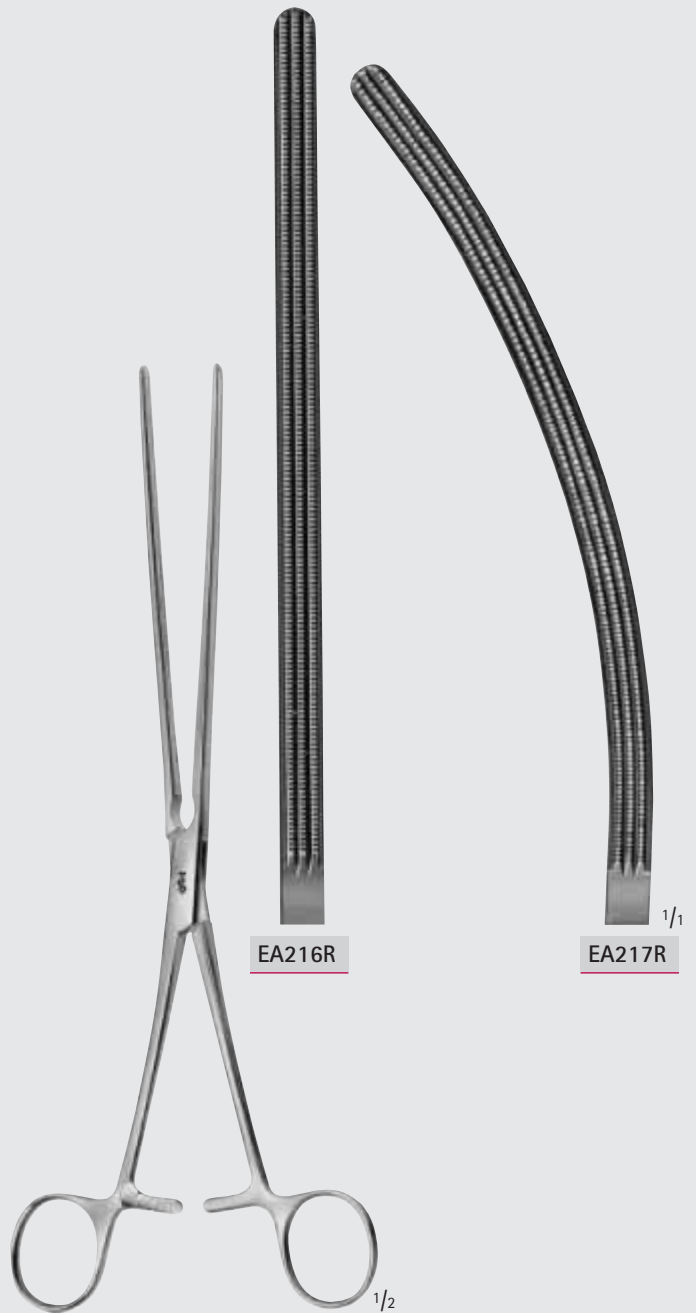
EA171R

MAYO-ROBSON

EA170R-EA171R

hart federnd  
hard elastic  
250 mm, 10"

AIRAUMATA®



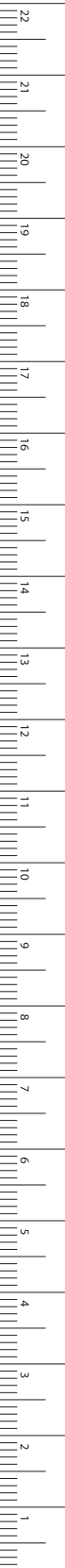
EA216R

EA217R

MAYO-ROBSON

EA216R-EA217R

250 mm, 10"



MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

Magen- und Darm- Zwillingsklemmen

Gastro- Intestinal Forceps, Twin

EA



LANE

EA440R

310 mm, 12"



LANE

EA441R

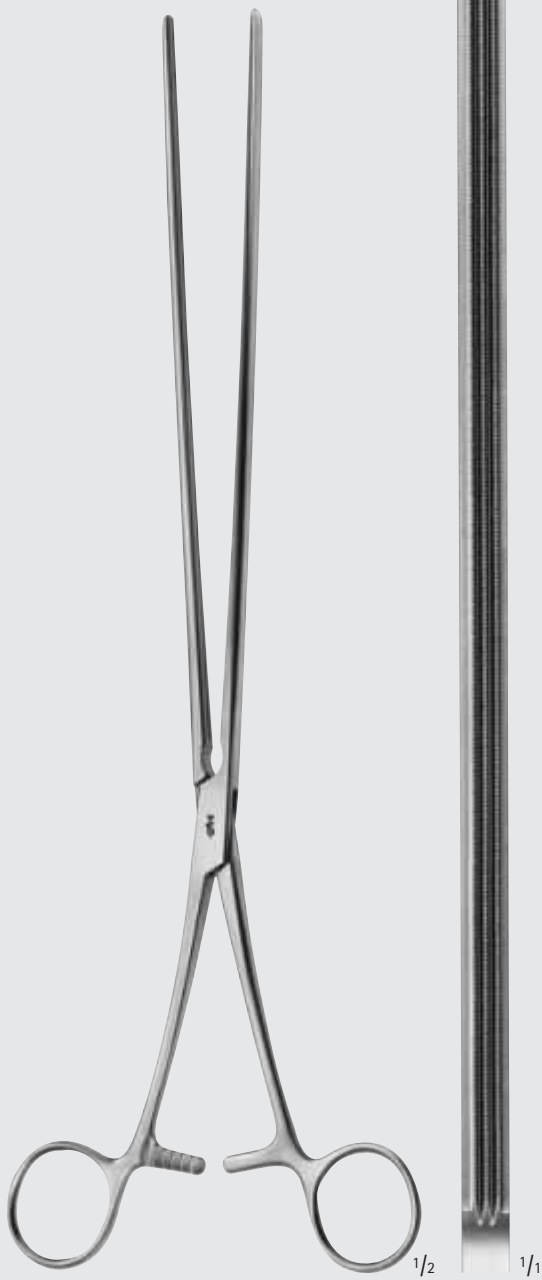
310 mm, 12"



Abdominale Chirurgie – Abdominal Surgery  
Magenklemmen  
Stomach Clamps

EA

AIRAUMATA®



SCUDDER

EA240R

330 mm, 13"



KLEINSCHMIDT

EA397R

Spornquetschen und  
Appendektomieklammern

Spur crushers and  
Appendectomy clamps

130 mm, 5 1/8"



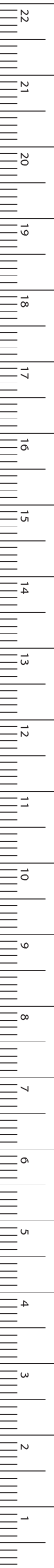
BENSON

EA466R

Pyloruspreizer

Pylorus spreader

155 mm, 6"



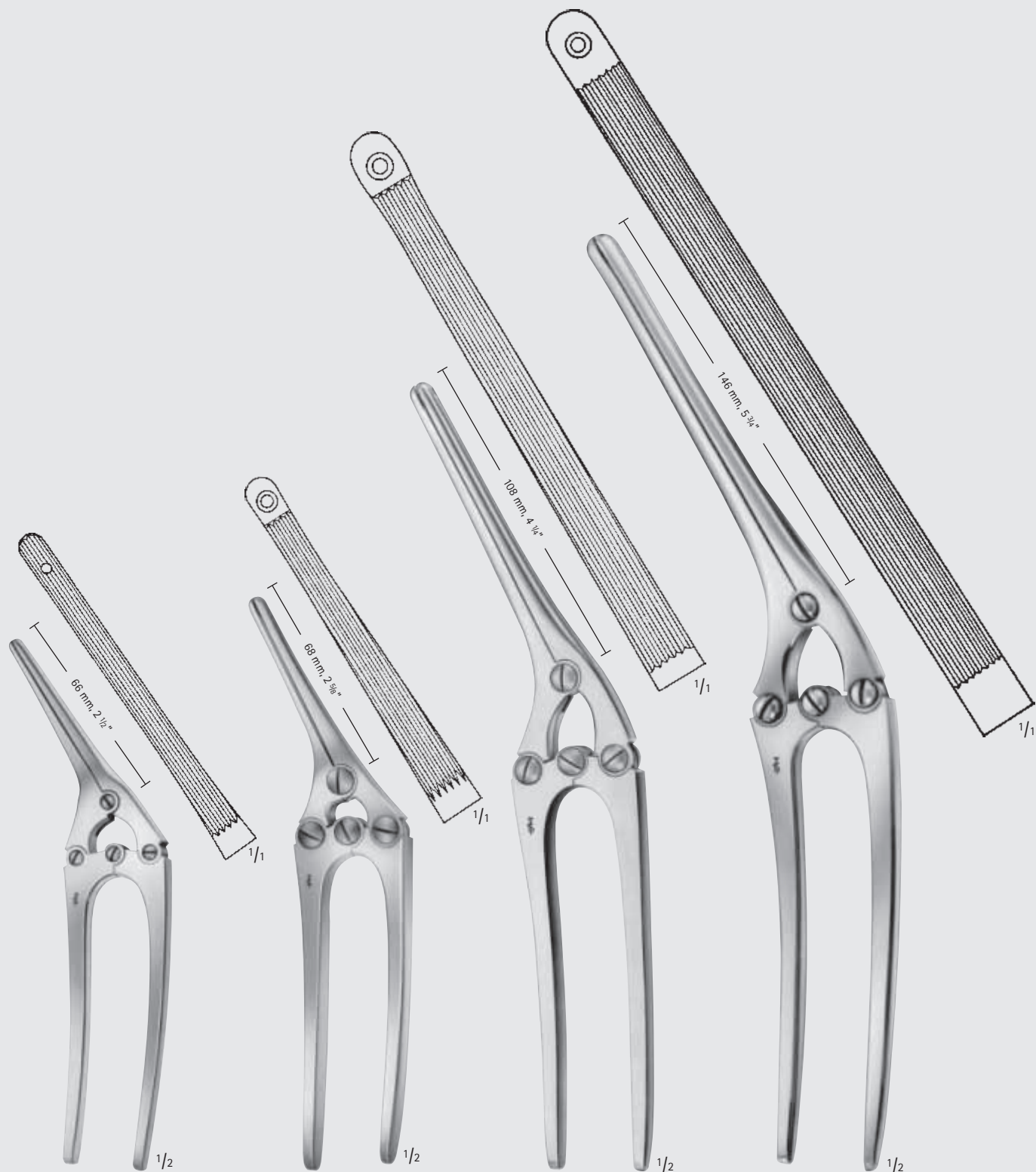
MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

Darm- und Magenquetschklemmen

Intestinal and Pylorus Clamps

EA



PAYR

EA305R

Darmquetschklemme,  
leichtes Modell,  
für Kinder

Intestinal clamp  
light pattern,  
for children

180 mm, 7"

PAYR

EA306R

200 mm, 8"

PAYR

EA309R

275 mm, 10 3/4"

PAYR

EA450R

Magenquetschklemme  
Pylorus clamp

315 mm, 12 1/2"





## Abdominale Chirurgie – Abdominal Surgery

### Anastomosenklemmen Anastomosis Clamps

EA



DE MARTEL-WOLFSON

**EA331R-EA332R**

Anastomosenklemmen,  
Satz zu 3 Stück

Anastomosis clamps,  
set of 3 pieces

EA331R	EA332R
100 mm	120 mm
4"	4 3/4"



Klemmenhalter mit Klemmsatz  
Clamp holder with set of clamps

**EA334R-EA336R**

Klemmenhalter  
für EA331R, EA332R

Clamp holder  
for EA331R, EA332R

EA334R	EA336R
80 mm	225 mm
3 1/8"	9"

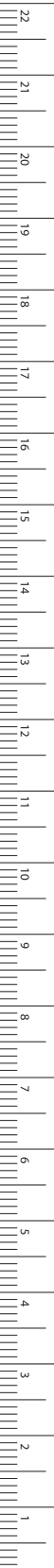


DE MARTEL-WOLFSON

**EA338R**

Schließzange  
für EA331R, EA332R

Closing forceps  
for EA331R, EA332R  
250 mm, 10"



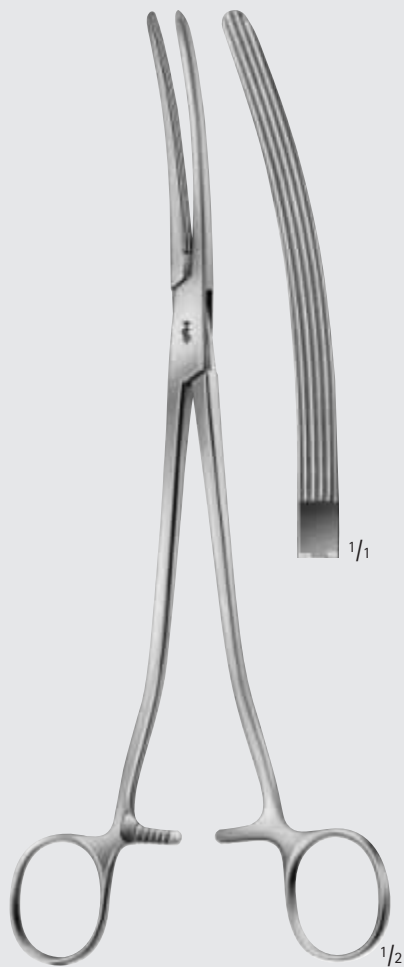
MILLIMETERS

# Abdominale Chirurgie – Abdominal Surgery

Anastomosenklemmen

Anastomosis Forceps

EA

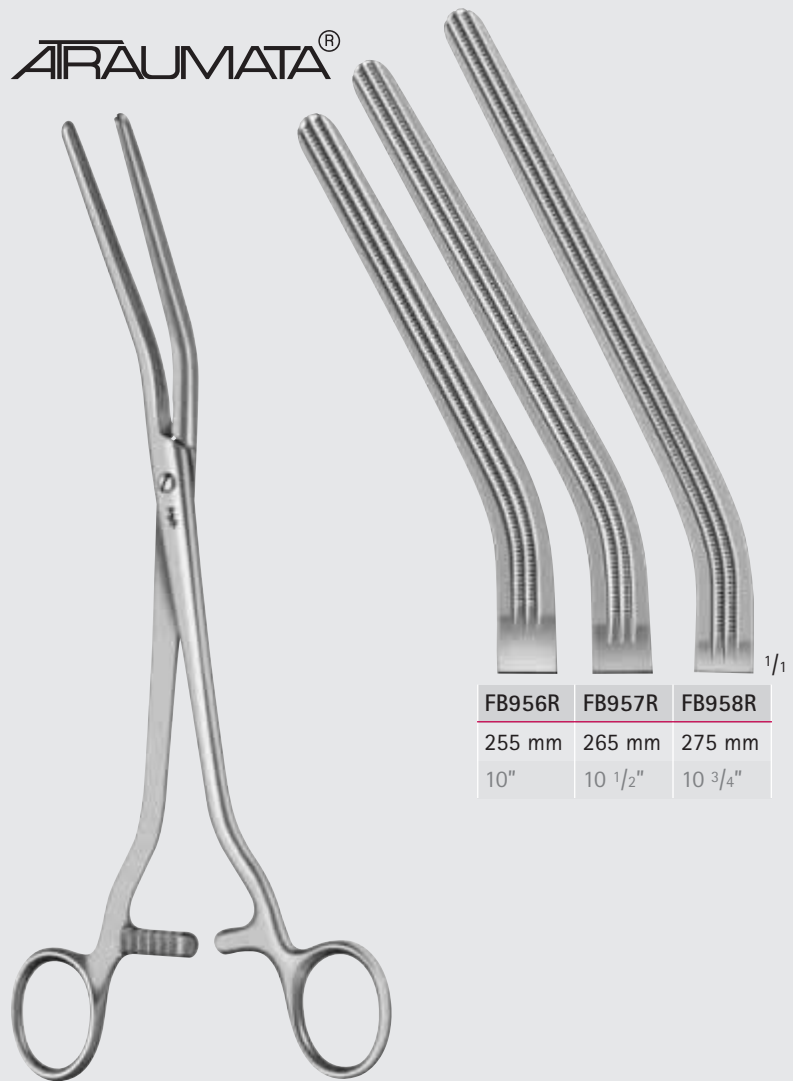


PARKER-KERR

EA365R

Anastomosenklemme für Colonresektion  
Anastomosis forceps for colon resection  
250 mm, 10"

ARAUMATA®



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

DICK

FB956R-FB958R

Druckklemmen  
Pressure clamps



Abdominale Chirurgie – Abdominal Surgery  
Rektum-Anastomosenklemmen  
Sigmoid Anastomosis Forceps

EA



BRUNNER

EA191R

245 mm, 9 3/4"



FB954R

60 mm

FB955R

80 mm

FB954R-FB955R

230 mm, 9"



MILLIMETERS

# Abdominale Chirurgie – Abdominal Surgery

Rektum-Anastomosenklemmen

Sigmoid Anastomosis Forceps

EA



LLOYD-DAVIS

EA362R

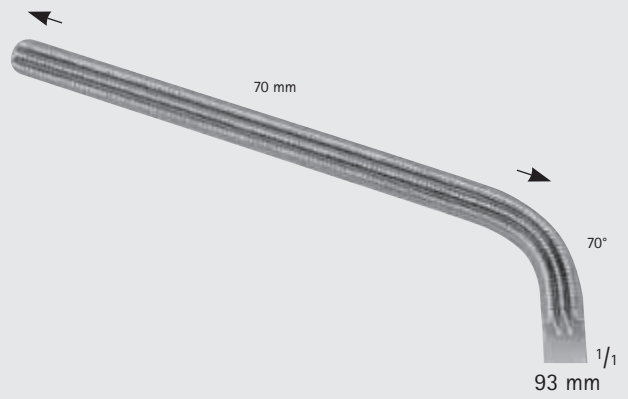
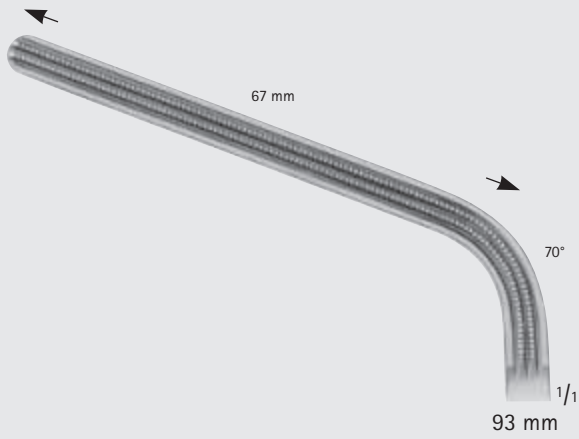
315 mm, 12 1/2"



AIRAUMATA®

Abdominale Chirurgie – Abdominal Surgery  
Rektum-Anastomosenklemmen  
Sigmoid Anastomosis Forceps

EA



MORRIS

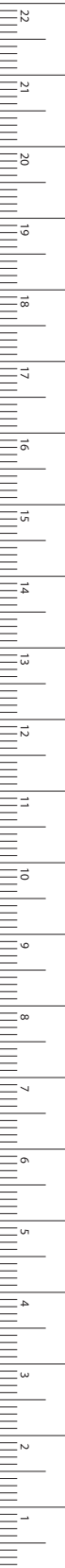
FB493R

175 mm, 7"

DE BAKEY  
(MORRIS MODIF.)

FB494R

240 mm, 9"



MILLIMETERS

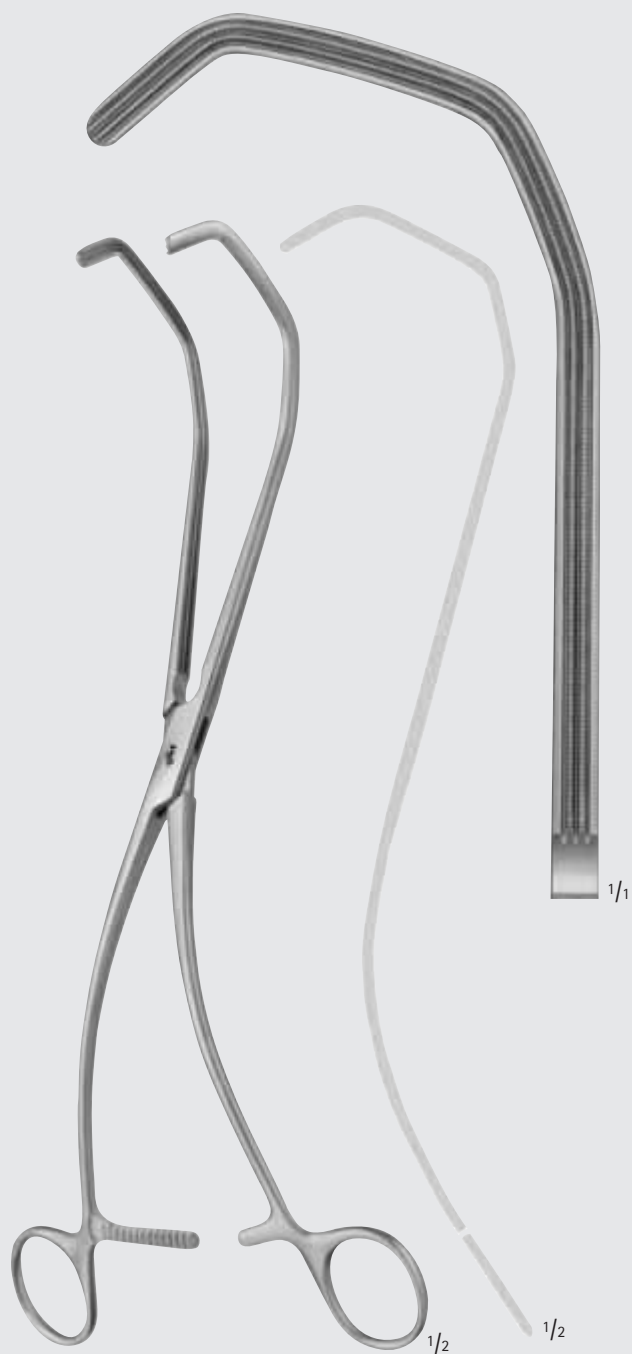
## Abdominale Chirurgie – Abdominal Surgery

Rektum-Anastomosenklemmen

Sigmoid Anastomosis Forceps

TRAUMATA®

EA



KERSTING

EA355R

300 mm, 12"



RESANO

EA360R

elastisch

elastic

265 mm, 10 1/2"



Abdominale Chirurgie – Abdominal Surgery  
Rektum-Scheren  
Rectal Scissors

EA



LLOYD-DAVIES  
(GOLIGHER'S)

BC621R

270 mm, 10 <sup>3</sup>/<sub>4</sub>"

STELZNER

BC622R-BC623R

310 mm, 12 <sup>3</sup>/<sub>8</sub>"

BC617R

325 mm, 13"

MILLIMETERS

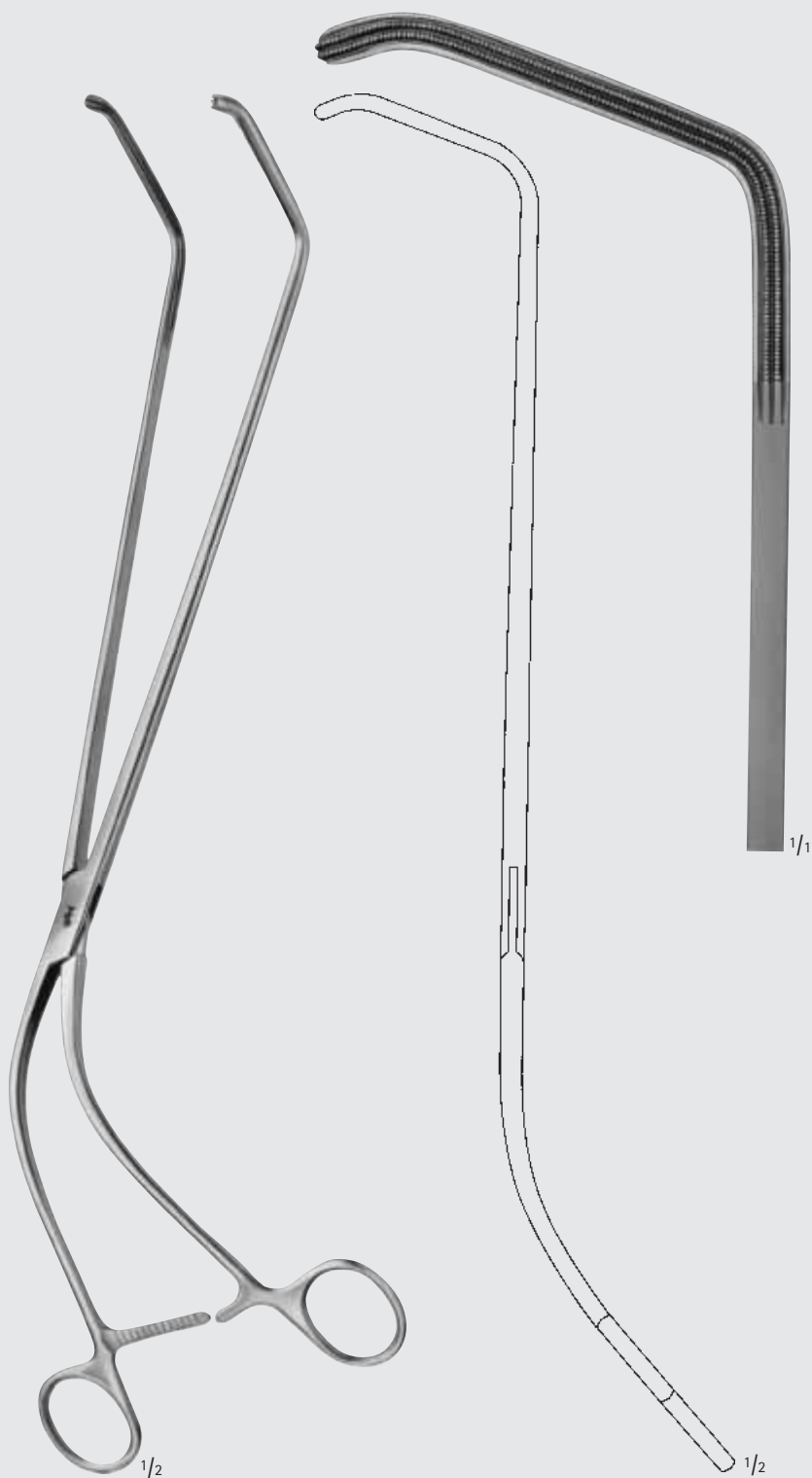
## Abdominale Chirurgie – Abdominal Surgery

Instrumente zur tiefen Rektumchirurgie

Instruments for Deep Rectum Surgery

EA

AIRAUMATA®



MÜLLER

EA356R

Rektum-Anastomosenklemme

Rectal anastomosis clamp

375 mm, 15"



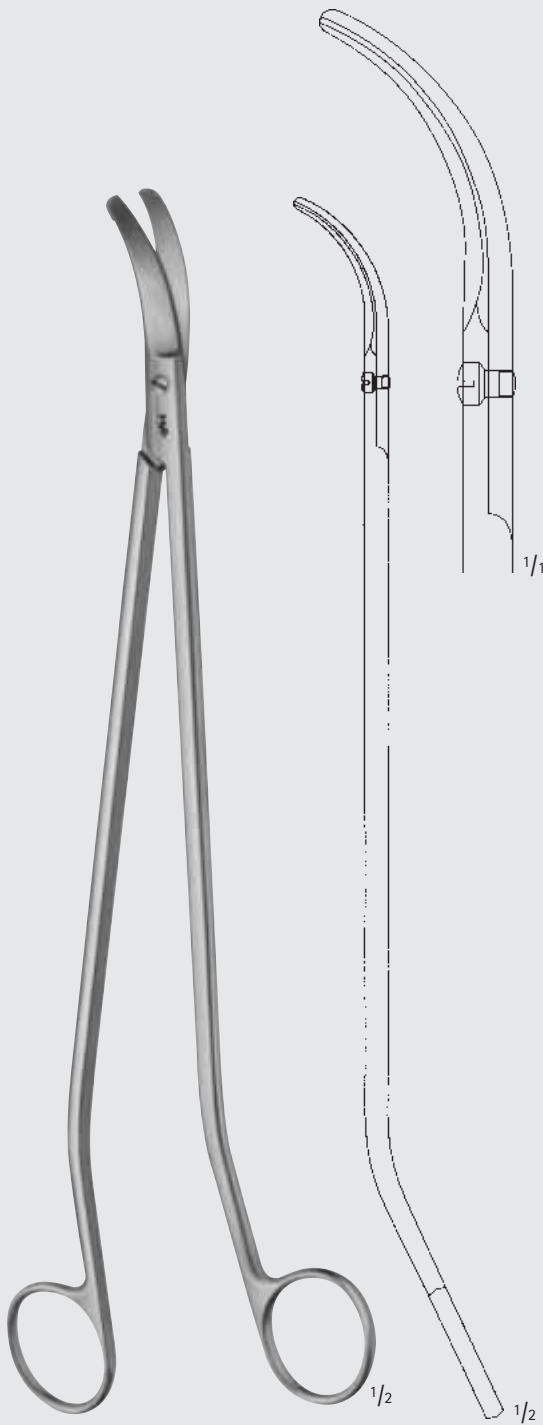


## Abdominale Chirurgie – Abdominal Surgery

### Instrumente zur tiefen Rektumchirurgie

### Instruments for Deep Rectum Surgery

EA



MÜLLER

BC627R

Rektumschere, s-förmig  
Rectum scissors, s-shaped  
325 mm, 13"

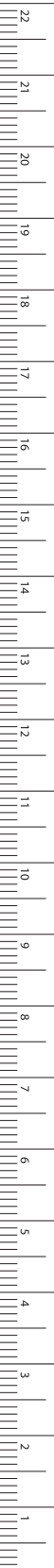
AIRAUMATA®



DE BAKEY

FB409R

350 mm, 14"



MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

Instrumente zur tiefen Rektumchirurgie

Instruments for Deep Rectum Surgery

EA



MÜLLER

BM089R

Nadelhalter

Needle holder

360 mm, 14"

AIRAUMATA®



ALLIS

EA100R

Fasszange

Grasping forceps

295 mm, 11 3/4"



**Abdominale Chirurgie – Abdominal Surgery**  
Instrumente zur tiefen Rektumchirurgie  
Instruments for Deep Rectum Surgery

EA



HÖSEL

BT446R

Wundhaken

Retractor

250 mm, 10"

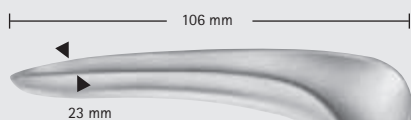
MILLIMETERS

# Abdominale Chirurgie – Abdominal Surgery

## Mastdarm-Rektum-Spekula

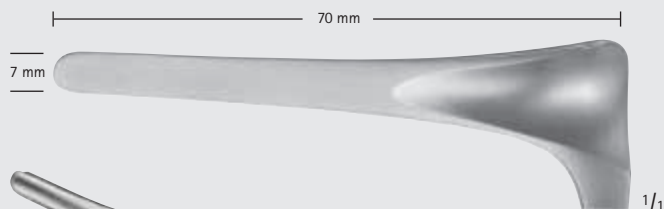
### Rectal Specula

EA



**CZERNY**  
**EA800R**  
225 mm, 9"

1/2



**KILLIAN**  
**OK093R**  
für Kinder  
for children  
145 mm, 5 1/2"

1/2



**SIMS**  
**EA820R**  
160 mm, 6 1/4"

1/2



**SIMS**  
**EA821R**  
160 mm, 6 1/4"

1/2



## Abdominale Chirurgie – Abdominal Surgery

### Mastdarm-Rektum-Spekula Rectal Specula



**EA825R-EA829R**



SIMS

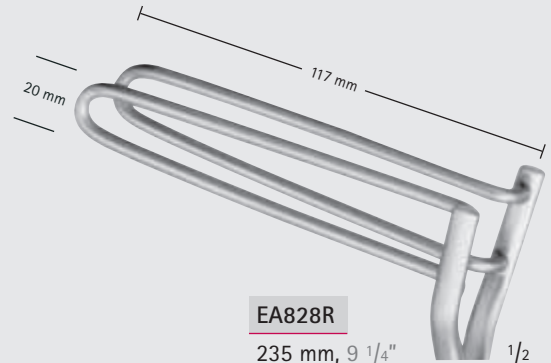
**EA825R**

für Kinder

for children

190 mm, 7 1/2"

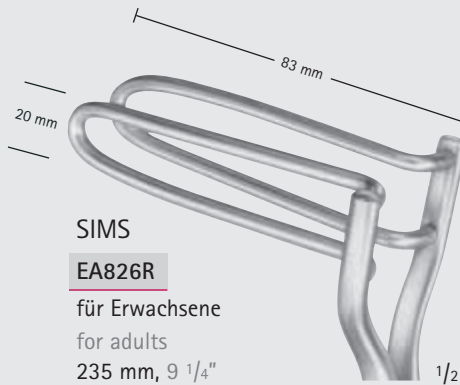
1/2



**EA828R**

235 mm, 9 1/4"

1/2



SIMS

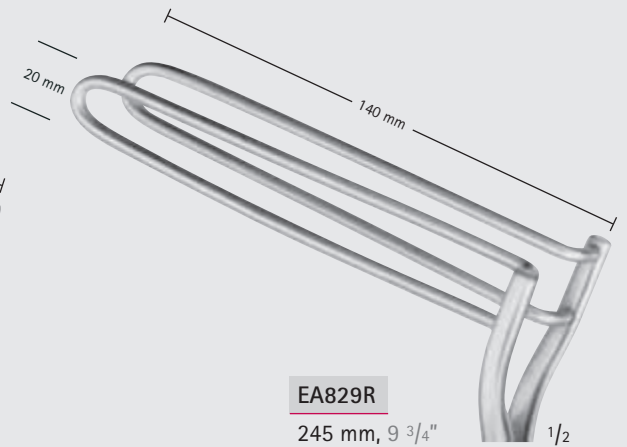
**EA826R**

für Erwachsene

for adults

235 mm, 9 1/4"

1/2



**EA829R**

245 mm, 9 3/4"

1/2

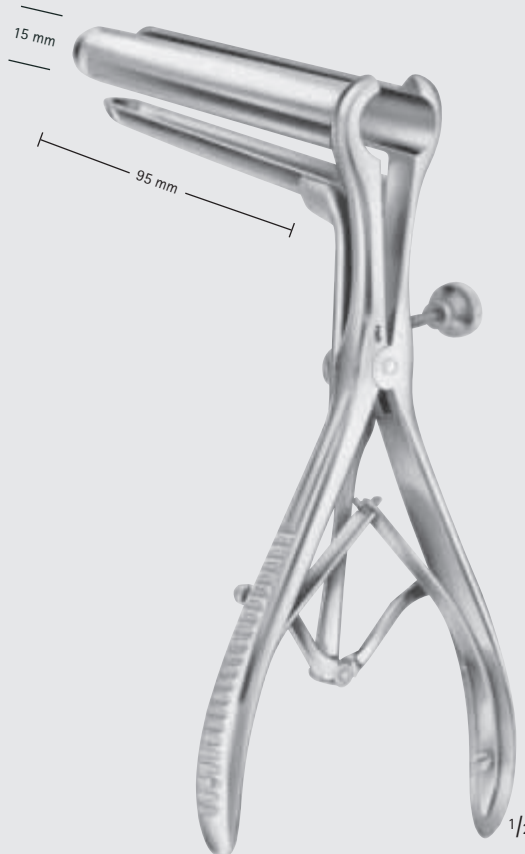


PRATT

**EA831R**

205 mm, 8"

1/2



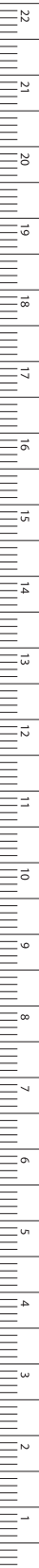
MATHIEU

**EA843R**

215 mm, 8 1/2"

1/2

EA



## Abdominale Chirurgie – Abdominal Surgery

Anuskope - Sphinkteroskope

Anusscopes - Sphincteroscopes

EA



**BENSAUDE**

**EA862C-EA864C**

Anuskope

Anusscopes

185 mm, 7 1/4"

Ø  
diam.

**EA862C** 17 mm

**EA863C** 20 mm

**EA864C** 23 mm

1/2



**IVES-FANSLER**

**EA880R**

Anuskop, Ø 24 mm

Anuscope, diam. 24 mm

145 mm, 5 3/4"

1/2



**KELLY**

**EA882R**

Sphinkteroskop, Ø 20 mm

Anuscope, diam. 24 mm

160 mm, 6 1/4"

1/2



**KELLY**

**EA883R**

Sphinkteroskop, Ø 25 mm

Sphincteroscope, diam. 25 mm

160 mm, 6 1/4"

1/2

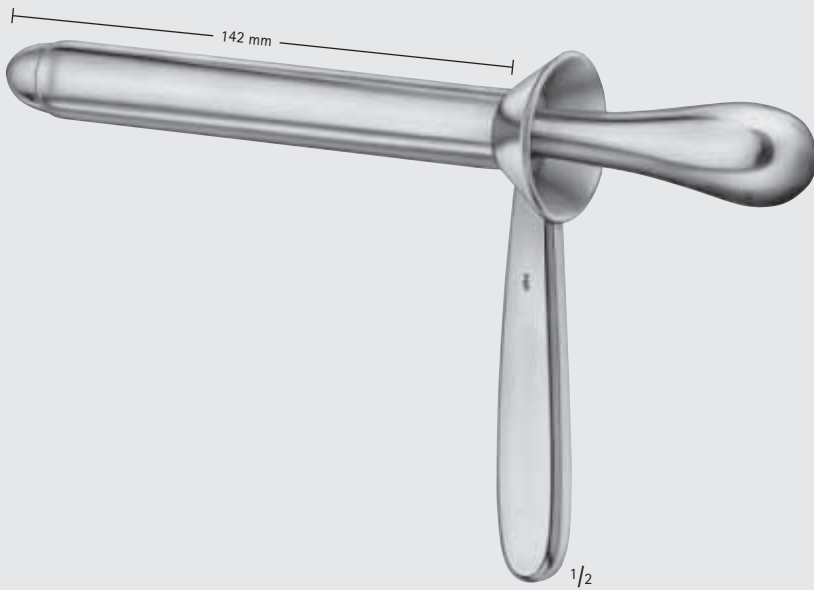


## Abdominale Chirurgie – Abdominal Surgery

### Protoskop – Analspreizer

### Proctoscope – Rectal Retractor

EA



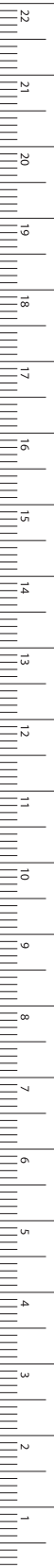
KELLY

EA887R

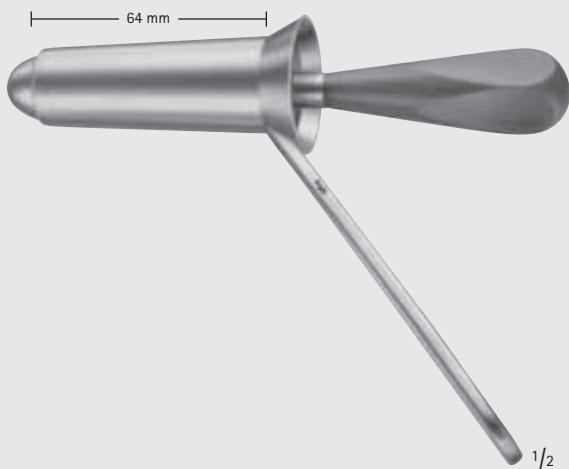
Proktoskop, Ø 20 mm

Proctoscope, diam. 20 mm

140 mm, 5 1/2"



MILLIMETERS

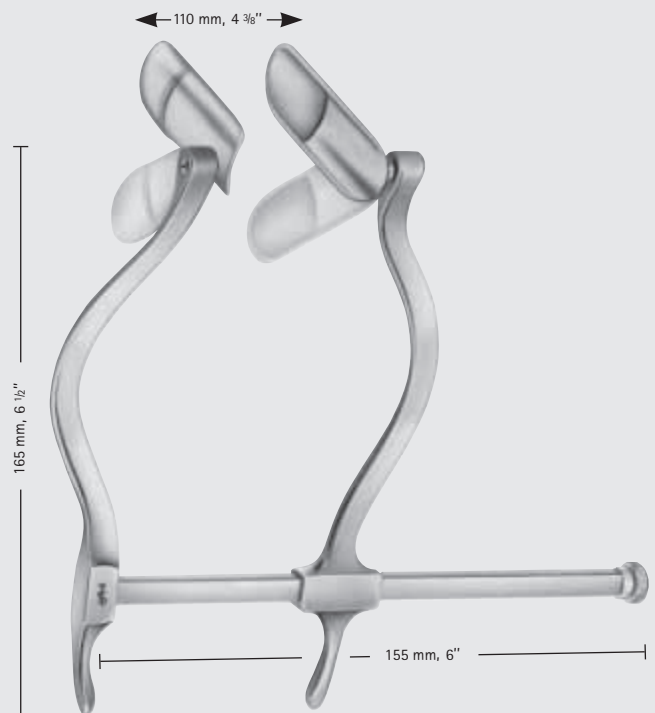


GABRIEL

EA853R

Rektum-Spekulum, Ø 25 mm

Rectal speculum, diam. 25 mm



SMITH-BUIE

BV906R

Analspreizer

Blattgröße: 58 x 23 mm

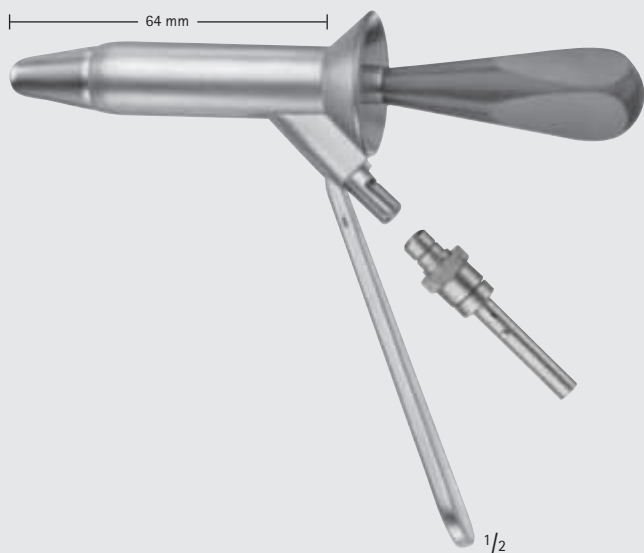
Rectal retractor

Dimension of blades: 58 x 23 mm

## Abdominale Chirurgie – Abdominal Surgery

Rektum-Spekula

Rectal Specula



NAUNTON-MORGAN

EA871R-EA875R

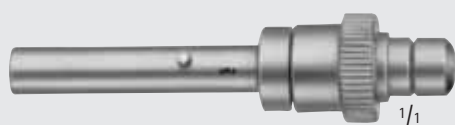
Rektum-Spekula  
mit Anschluss für Kaltlichtaufsatz EA876R

Rectal specula  
with connector for fibre light attachment  
EA876R

165 mm, 6 1/2"

Ø  
diam.

EA871R	17 mm
EA873R	21 mm
EA875R	24 mm



EA876R

Kaltlichtaufsatz, ACM/British Standard  
zu NAUNTON-MORGAN Spekula

Fibre light attachment,  
ACM/British Standard  
for NAUNTON-MORGAN specula

EA



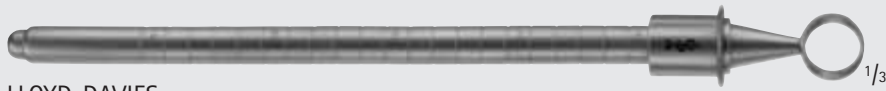


## Abdominale Chirurgie – Abdominal Surgery

### Sigmoidoskope und Proktoskope

### Sigmoidoscope and Proctoscope

EA



LLOYD-DAVIES

**EA888R**

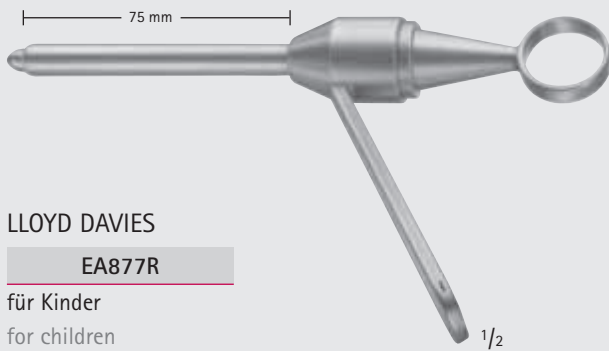
Ø 16 mm  
250 mm, 9 <sup>3</sup>/<sub>4</sub>"



LLOYD-DAVIES

**EA889R**

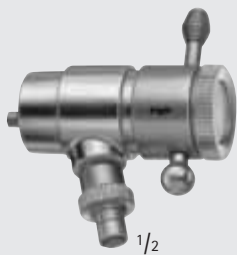
Ø 20 mm  
300 mm, 11 <sup>3</sup>/<sub>4</sub>"



LLOYD DAVIES

**EA877R**

für Kinder  
for children



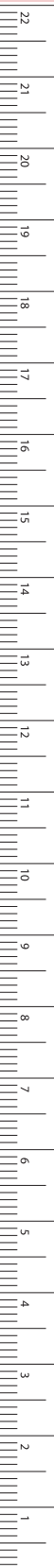
**EA878R**

Kaltlichtaufsatz, ACM/British Standard  
zu EA887R, EA888R und EA889R  
Fibre light attachment, ACM/British Standard  
for EA887R, EA888R and EA889R



**EA879R**


Kaltlichtstab  
Fibre light carrier

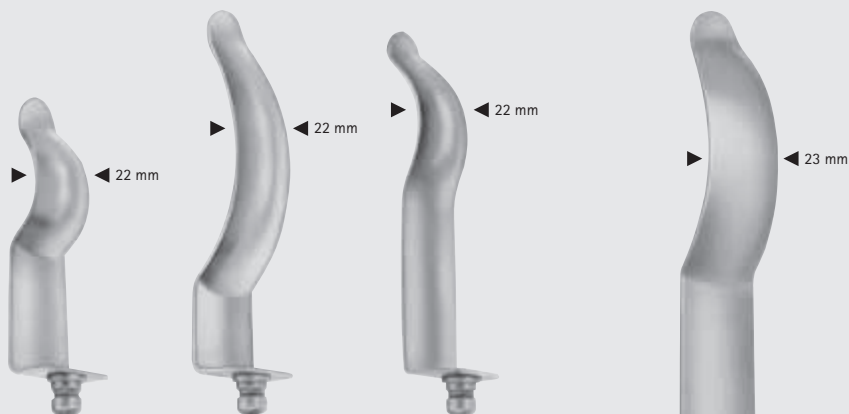


MILLIMETERS

# Abdominale Chirurgie – Abdominal Surgery

## Analspreizer Rectal Spreader

 KUGELSCHNELLVERSCHLUSS  
BALL SNAP CLOSURE

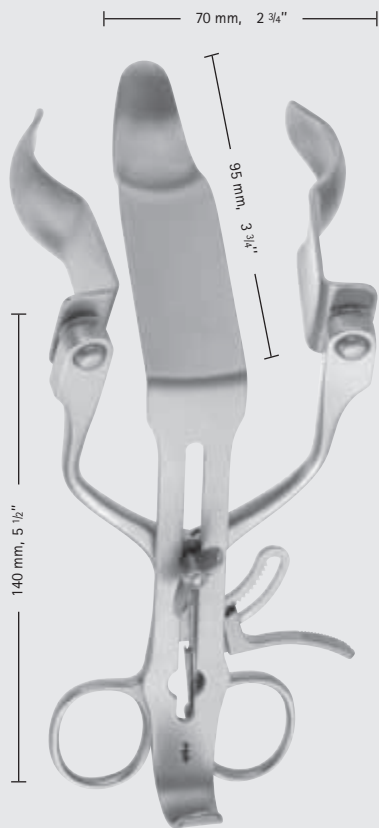


**BV583R**  
Rektumblätter  
70 mm tief  
PAA = Paar  
Rectal blades  
70 mm deep  
PAA = pair

**BV584R**  
Sphinkterblätter  
93 mm tief  
PAA = Paar  
Sphincter blades  
93 mm deep  
PAA = pair

**BV586R**  
Blätter für Anastomosen  
90 mm tief  
PAA = Paar  
nicht in BV585R enthalten  
Blades for anastomosis  
90 mm deep  
PAA = pair  
not included in BV585R

**PARKS**  
**BV589R**  
150 mm tief  
PAA = Paar  
nicht in BV585R enthalten  
150 mm deep  
PAA = pair  
not included in BV585R



PARKS, MODIF. GIRONA

**BV585R**

Analspreizer, komplett bestehend aus:

- BV581R Sperrer, allein
- BV582R Mittelblatt, allein
- BV583R Paar Blätter, allein
- BV584R Paar Blätter, allein

Rectal spreader, complete consisting of:

- BV581R Spreader, only
- BV582R Center blade, only
- BV583R Pair of blades, only
- BV584R Pair of blades, only



**BV591R**

Mittelblatt für Kaltlicht mit Aufnahme für Kaltlichtstab OP801  
nicht in BV585R enthalten  
Center blade with connection for cold light carrier OP801  
not included in BV585R



**OP801**

Kaltlichtstab zur zusätzlichen, intensiven Ausleuchtung des OP-Feldes  
Cold light carrier for additional, intensive illumination of the operating area

EA

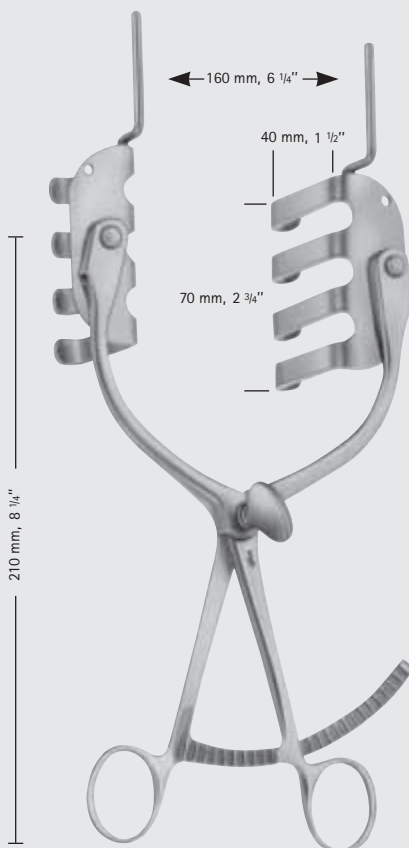


## Abdominale Chirurgie – Abdominal Surgery

### Perineal Sperrer Perineal Retractor



KUGELSCHNELLVERSCHLUSS  
BALL SNAP CLOSURE

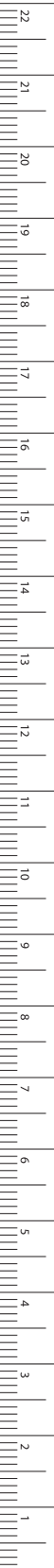


ST. MARKS, MODIF. GIRONA

**BV907R**

Perineal Sperrer mit  
Tuchhaltestift an den Blättern  
Perineal retractor with towel pegs  
fitted to swivel rake blades

EA



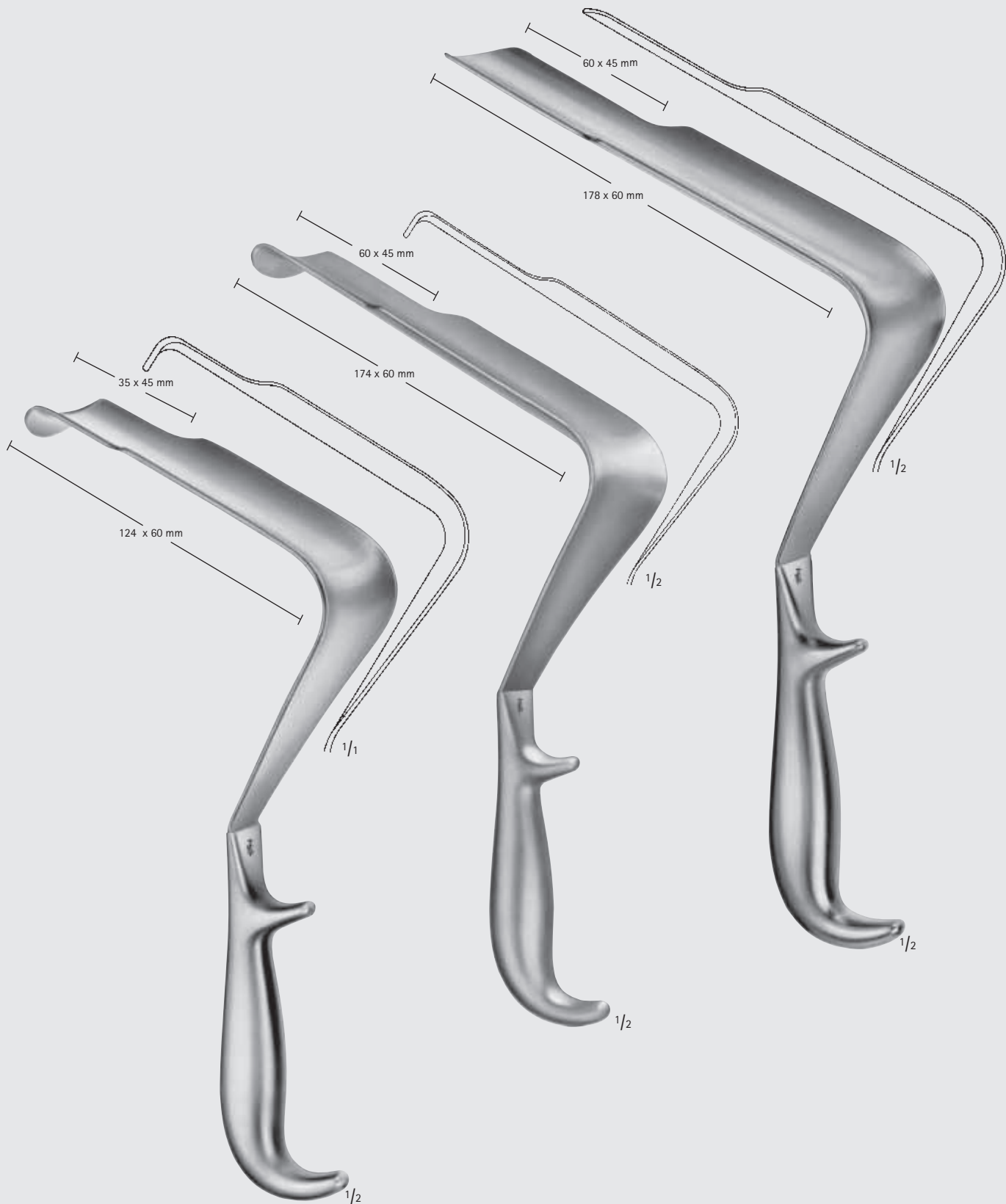
MILLIMETERS

# Abdominale Chirurgie – Abdominal Surgery

Pelvishaken

Pelvis Retractors

EA



ST. MARKS

**BT670R**

290 mm, 11 1/2"

ST. MARKS

**BT672R**

330 mm, 13 1/8"

ST. MARKS

**BT674R**

330 mm, 13 1/8"



## Abdominale Chirurgie – Abdominal Surgery

Analsonden  
Rectal Probes

EA



### LOCKHART-MUMMERY

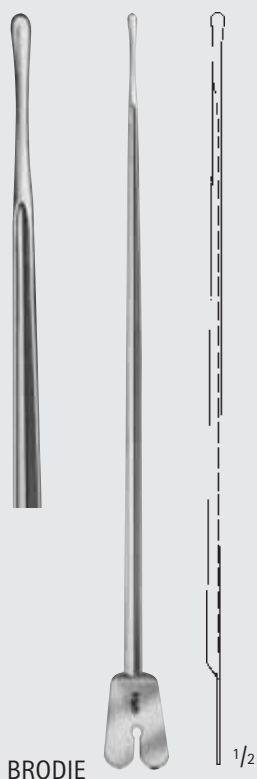
**BN021R-BN024R**

Fistelsonden

Fistula probes

165 mm, 6 1/2"

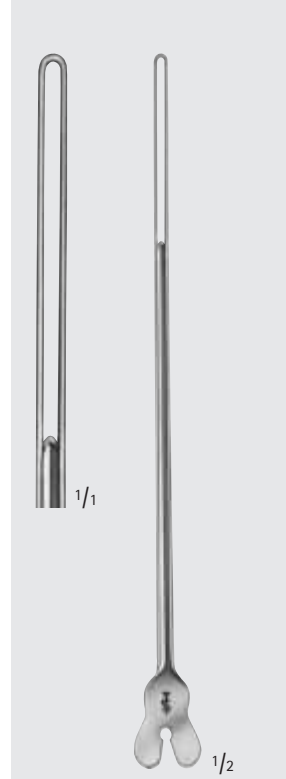
BN021R	Nr. 1	gerade	No. 1	straight
BN022R	Nr. 2	45° gebogen	No. 2	45° curved
BN023R	Nr. 3	90° gebogen	No. 3	90° curved
BN024R	Nr. 4	retrograd gebogen	No. 4	retrograde curved



BRODIE

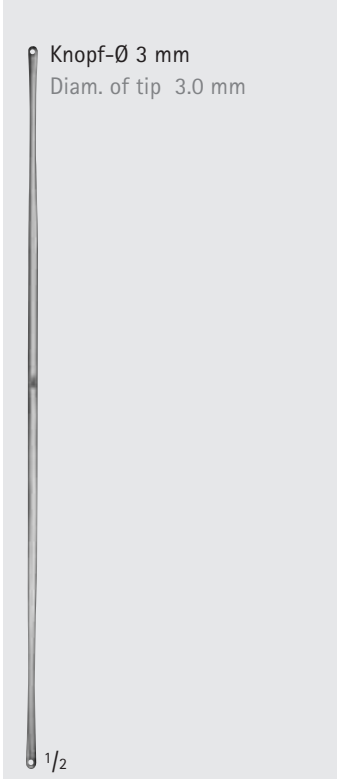
**BN020R**

Hohlsonde mit Knopf,  
Knopf-Ø: 3,5 mm  
Director with tip,  
diam. of tip: 3.5 mm  
200 mm, 8"



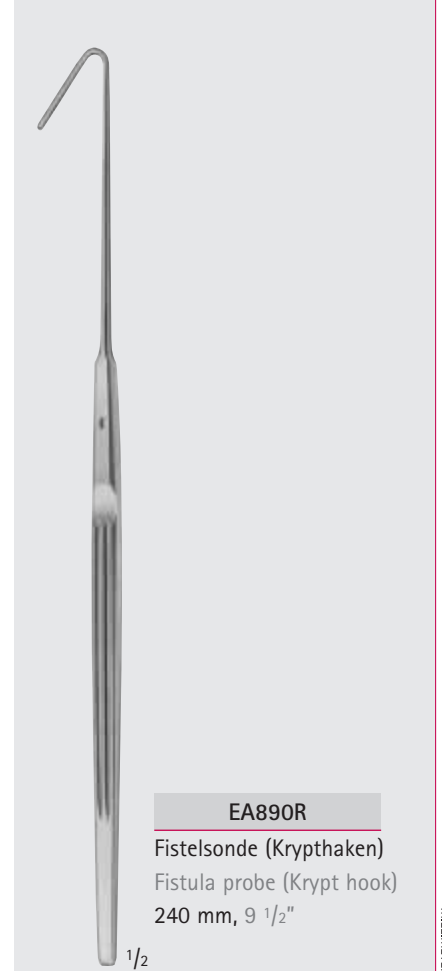
**BN026R**

Ösenrinnensonde,  
biegsam  
Director with wire loop,  
malleable  
190 mm, 7 1/2"



**BN090R**

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



**EA890R**

Fistelsonde (Krypthaken)  
Fistula probe (Krypt hook)  
240 mm, 9 1/2"

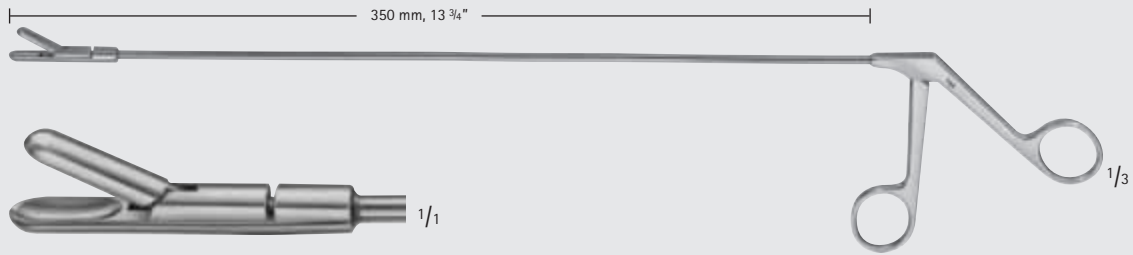


## Abdominale Chirurgie – Abdominal Surgery

Biopsiezangen für Rektum

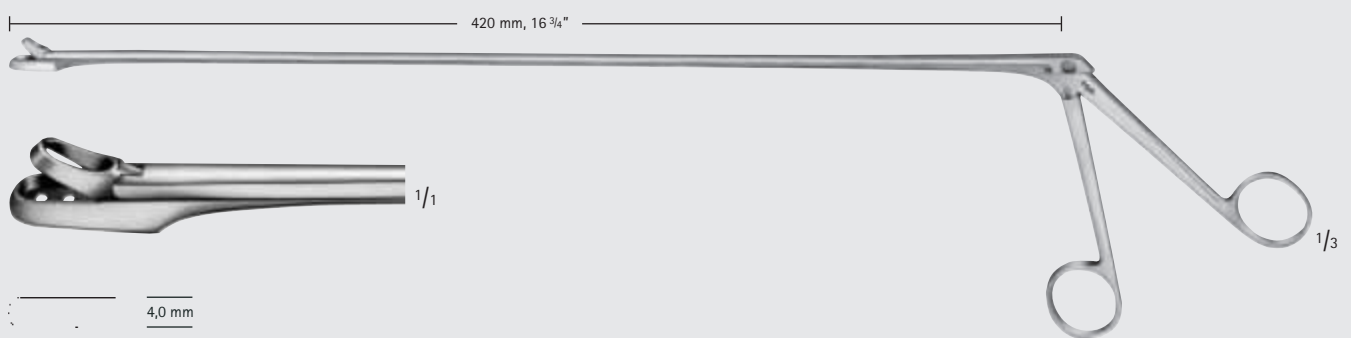
Biopsy Forceps for Rectum

EA



LLOYD-DAVIS

EA900R



YEOMAN

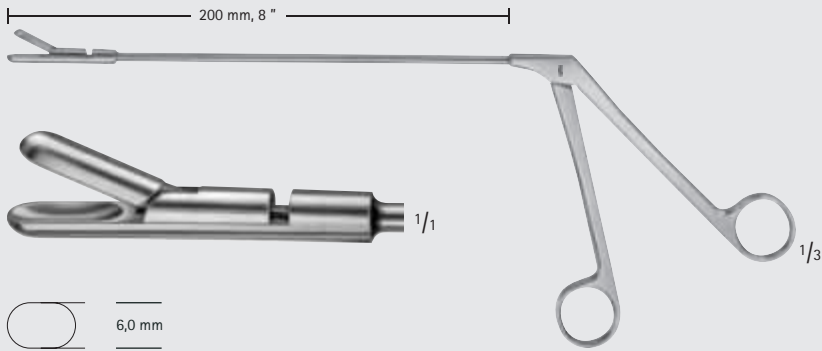
EA903R



## Abdominale Chirurgie – Abdominal Surgery

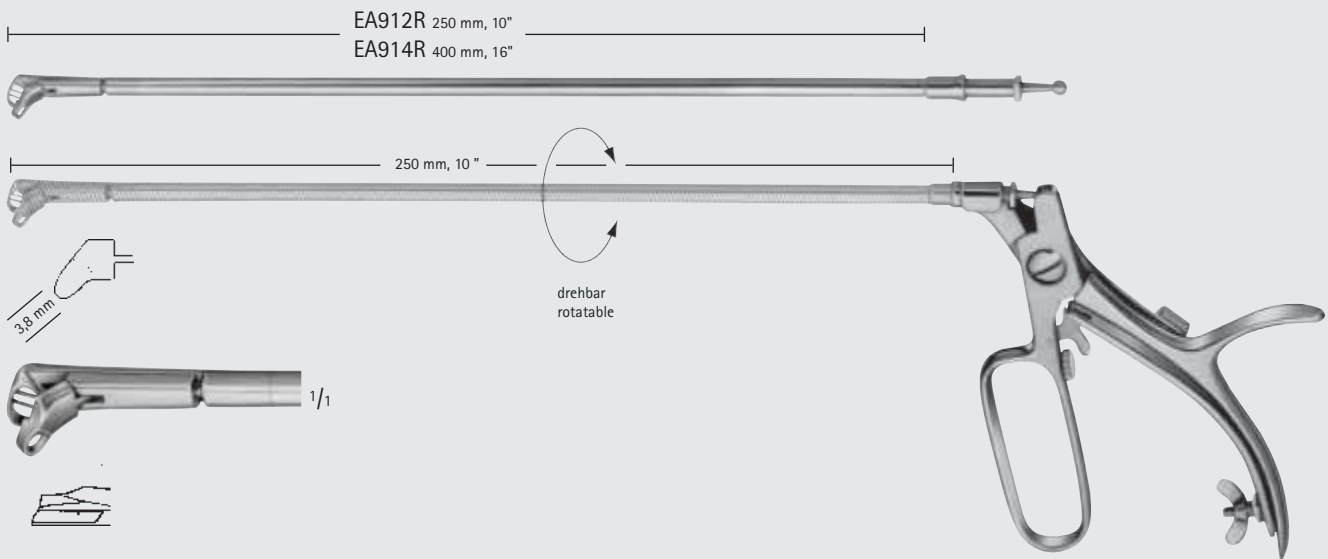
### Biopsiezangen für Rektum Biopsy Forceps for Rectum

EA



WALTON

EA904R



AESCULAP

OP151R

Griff für EA912R – EA914R  
Handle for EA912R – EA914R  
140 mm, 5 1/2"

EA912R-EA914R

Aufsätze allein  
mit ziehendem Schnitt  
Attachments only  
with cut beginning  
from the top

EA914R	EA912R
400 mm	250 mm
16"	10"



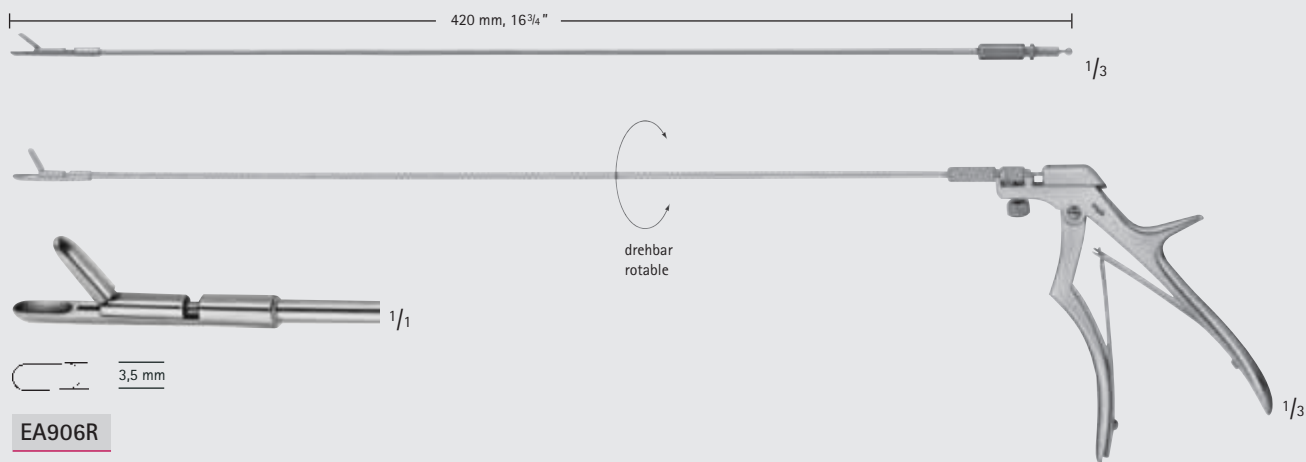
MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

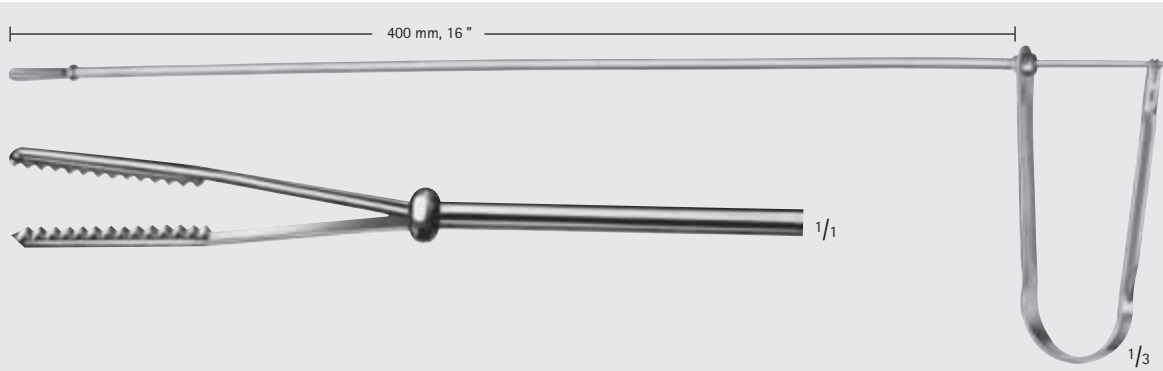
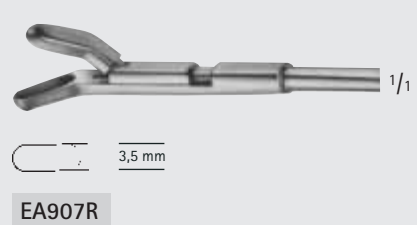
### Biopsiezangen und Tamponhalter für Rektum

### Biopsy Forceps and Swab Holders for Rectum

EA



Griff für  
EA906R - EA909R  
Handle  
for EA906R - EA909R



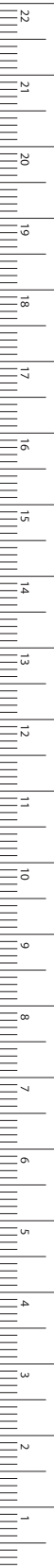
AESCLAP  
EA943R  
Tamponhalter  
Swab holder



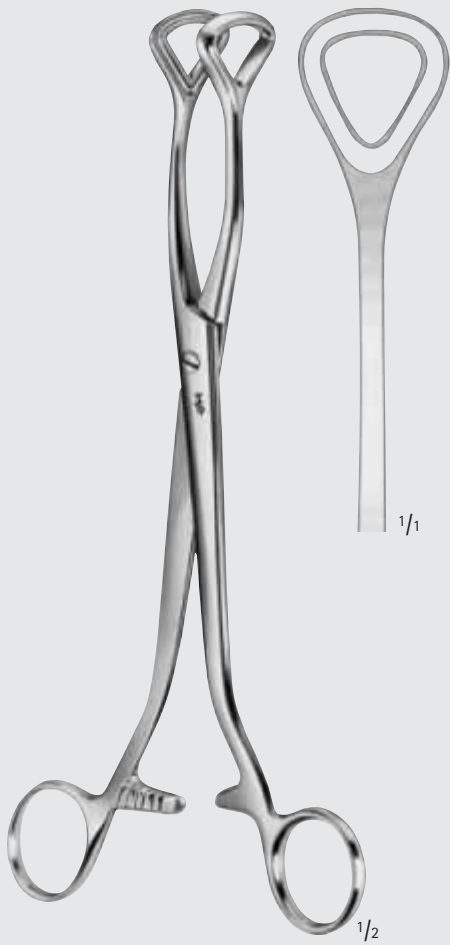


Abdominale Chirurgie – Abdominal Surgery  
Hämorrhoidenklemmen  
Hemorrhoidal Forceps

EA



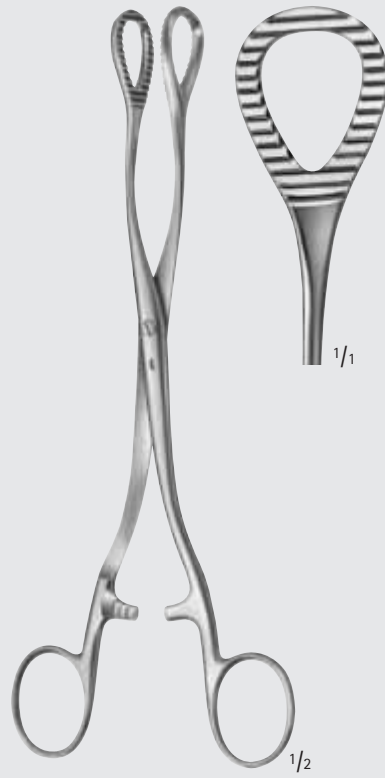
MILLIMETERS



LUER

EA989R

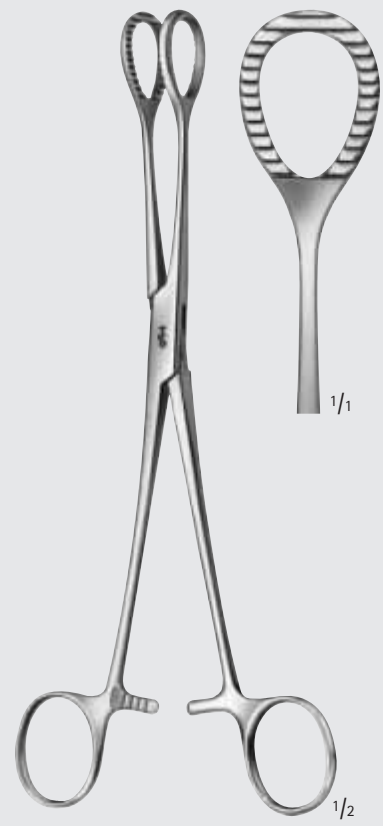
245 mm, 9 3/4"



HEYWOOD-SMITH

AN710R

200 mm, 8"



HEYWOOD-SMITH MODIF.

AN711R

215 mm, 8 1/2"

# Abdominale Chirurgie – Abdominal Surgery

## Hämorrhoidenklemmen

### Hemorrhoidal Forceps

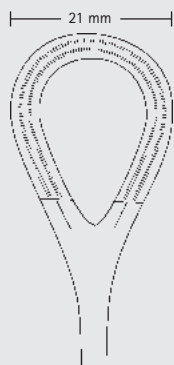
EA



ARAUMATA®



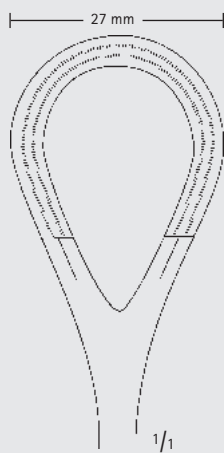
EO338R-EO340R



EO338R

250 mm

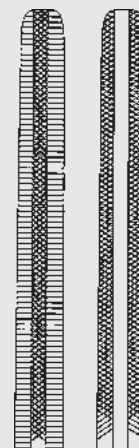
10"



EO340R

270 mm

10 3/4"



VC100R

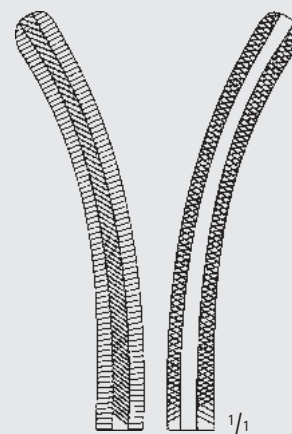


FERGUSON

VC100R-VC101R

Druckklemmen  
Pressure clamps

200 mm, 8"



VC101R



## Abdominale Chirurgie – Abdominal Surgery

### Hämorrhoidal-Ligator Hemorrhoidal Ligator

EA



RUDD

EA991R

Hämorrhoidal-Ligator  
mit Lade-Aufsatz und  
100 Ligatur-Gummiringen  
Hemorrhoidal ligator  
with loading attachment  
and 100 ligature rubber rings  
315 mm, 12 1/2"



MC GIVNEY

EA990R

Hämorrhoiden-Fasszange  
Hemorrhoidal forceps  
185 mm, 7 1/4"



1/1

EA993

Ligatur-Gummiringe  
Bestelleinheit:  
PAK = Packung à 100 Stück  
Ligature rubber rings  
Sales Unit:  
PAK = Package of 100 pieces



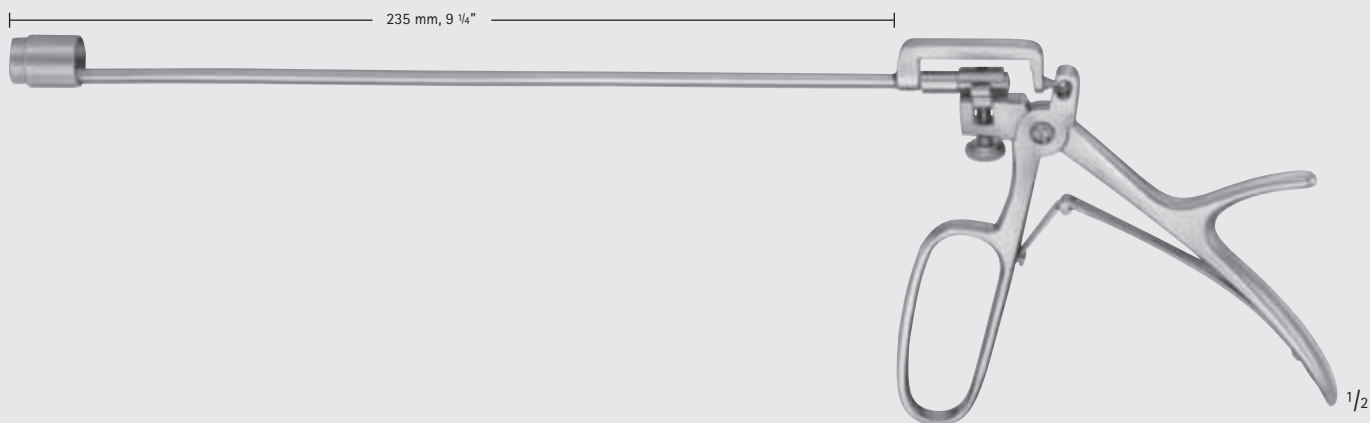
MILLIMETERS

## Abdominale Chirurgie – Abdominal Surgery

Hämorrhoidal-Ligator

Hemorrhoidal Ligator

EA



BARRON

**EA996R**

Hämorrhoidal-Ligator, komplett

bestehend aus:

EA997R Schaft, allein

EA998R Universal-Handgriff

EA999P Ladekonus

Hemorrhoidal ligator, complete

consisting of:

EA997R Shaft, only

EA998R Universal handle

EA999P Conical loader

Passende Ligatur-Gummiringe: EA993 (siehe Seite 585)

Suitable ligature rubber rings: EA993 (see page 585)



## Abdominale Chirurgie – Abdominal Surgery

Hämorrhoidal-Spritze, Hämorrhoidal-Kanüle  
Hemorrhoidal Syringe, Hemorrhoidal Cannula

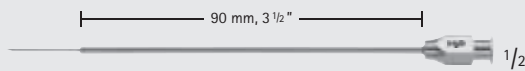
EA



GABRIEL

SF462

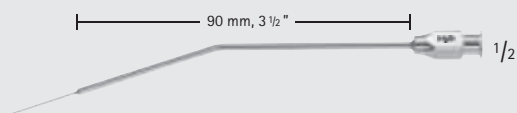
Hämorrhoidal-Spritze  
Hemorrhoidal syringe  
10 ml



GABRIEL

SF835

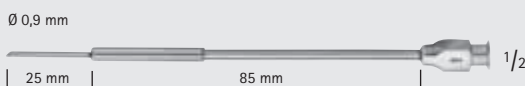
Hämorrhoidal-Kanüle, gerade,  
mit Luer-Lock-Ansatz  
Hemorrhoidal cannula, straight,  
with Luer-Lock attachment



GABRIEL

SF836

Hämorrhoidal-Kanüle, abgewinkelt,  
mit Luer-Lock-Ansatz  
Hemorrhoidal cannula, angled,  
with Luer-Lock attachment



SF818R

Hämorrhoiden-Kanüle, mit  
Luer-Lock-Ansatz  
Hemorrhoidal cannula,  
with Luer-Lock attachment



MILLIMETERS



INCHES

EB



Instrumente für Galle, Leber und Milz  
Gall Bladder-, Liver- and Spleen Instruments

# Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

## Gallenkanal-Klemmzangen

### Gall Duct Forceps

Klemmen nach OVERHOLT siehe Rubrik BJ  
OVERHOLT Forceps see section BJ

EB



LOWER

**EB001R**

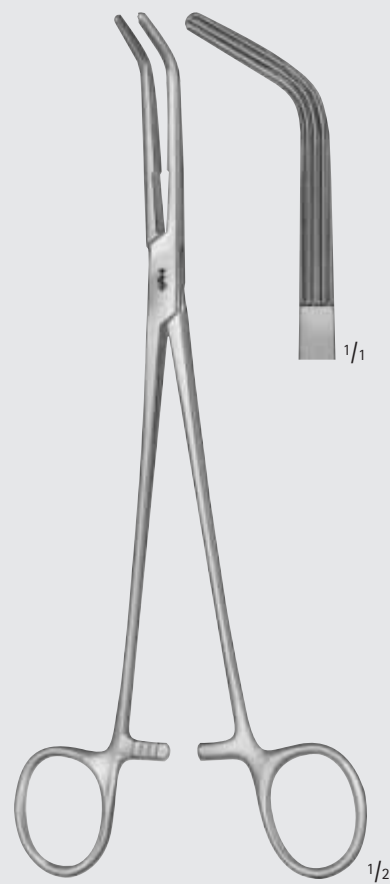
180 mm, 7"



LAHEY (SWEET)

**EB003R**

200 mm, 8"



LAHEY

**BJ060R**

225 mm, 9"





## Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

### Gallenkanal-Klemmzangen

### Gall Duct Forceps

Klemmen nach OVERHOLT siehe Rubrik BJ  
OVERHOLT Forceps see section BJ

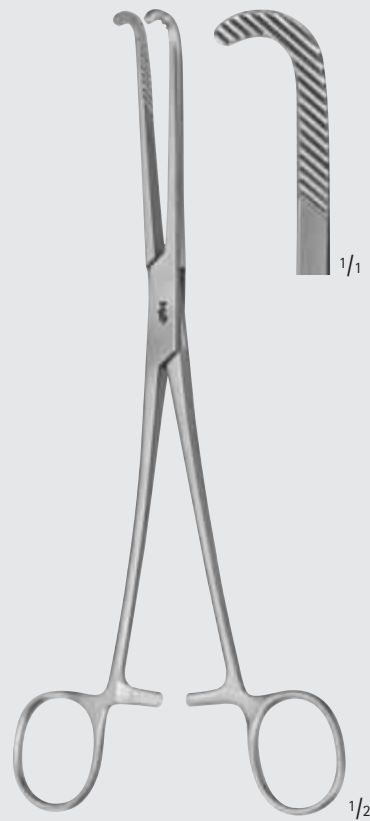
EB



DESJARDINS

EB008R

Gallenkanal- und Cystikuszange  
Gall duct- and cystic forceps  
220 mm, 8 3/4"



NISSEN

EB009R

Gallenkanal- und Cystikuszange  
Gall duct- and cystic forceps  
215 mm, 8 1/2"



MILLIMETERS

## Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

Gallenkanal-Klemmzangen

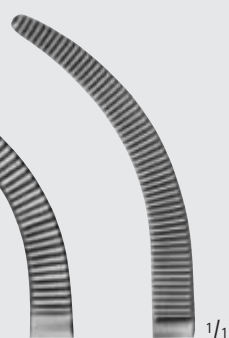
Gall Duct Forceps

EB



MOYNIHAN

**BH831R-BH833R**



**BH831R**

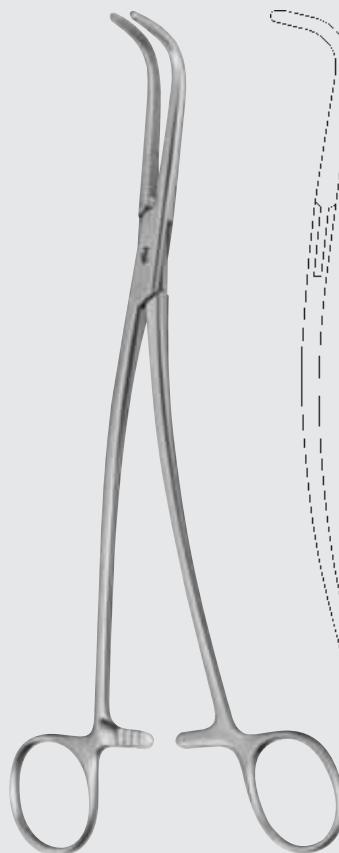
230 mm

9"

**BH833R**

240 mm

9 1/2"



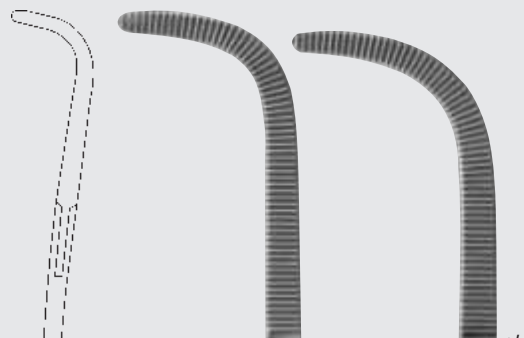
GRAY

**EB011R-EB012R**

Cholezystektomieklammen

Cholecystectomy forceps

220 mm, 8 3/4"



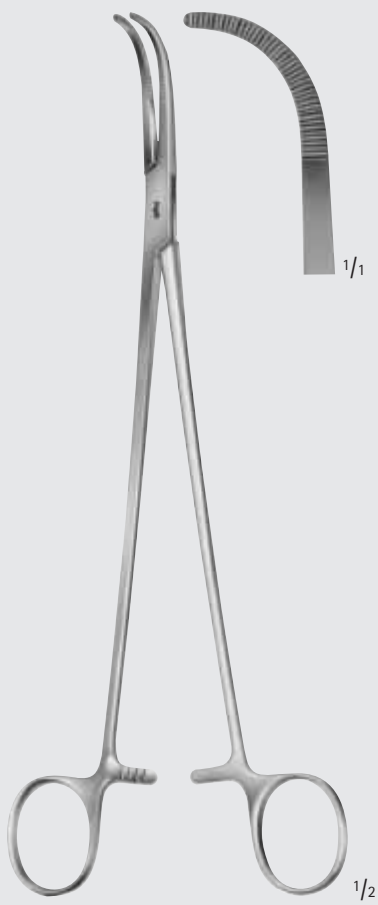
**EB011R**

**EB012R**



Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments  
Gallenkanal-Klemmzangen  
Gall Duct Forceps

EB



MIXTER

**BJ055R**

Gallenkanal- und Cystikusklammer  
Gall duct- and cystic forceps  
230 mm, 9"



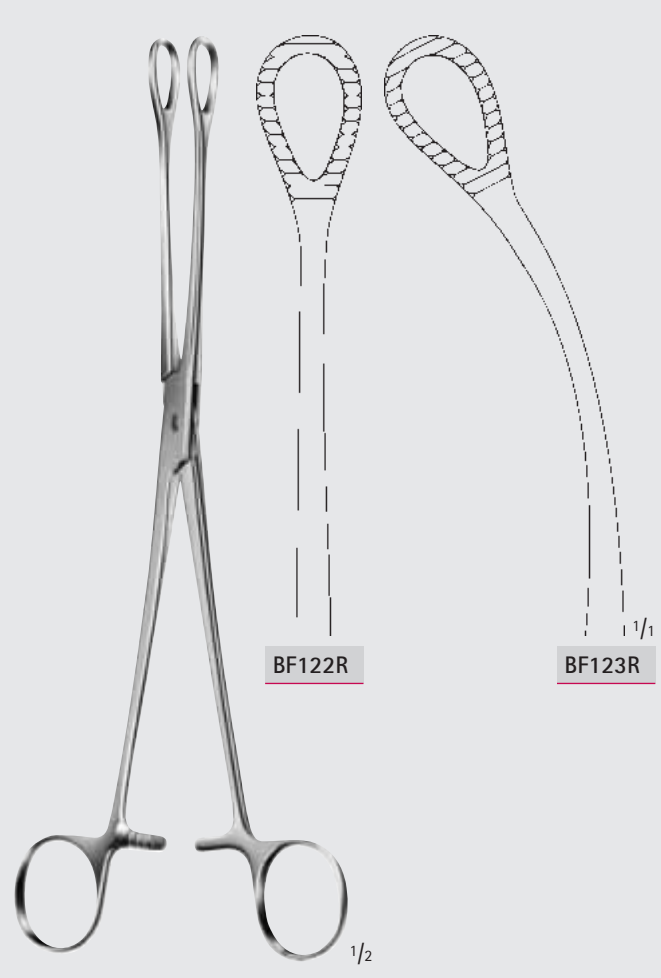
MILLIMETERS

# Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

Gallenblasenzangen

Gall Bladder Forceps

EB



BF122R

BF123R

FOERSTER-BALLENGER

BF122R-BF123R

245 mm, 9 3/4"



HEYWOOD-SMITH

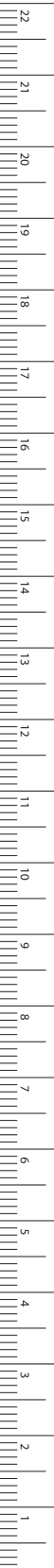
E0310R

250 mm, 10"

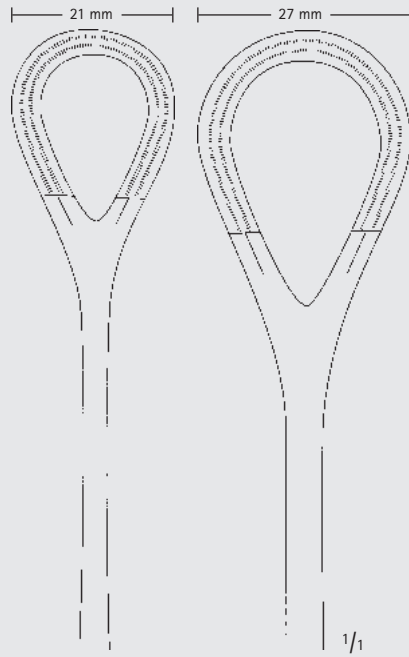


Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments  
 Gallenblasenzangen  
 Gall Bladder Forceps

EB



AIRAUMATA®



**EO338R**  
 250 mm  
 10"

**EO340R**  
 270 mm  
 10 3/4"

EO338R-EO340R



HEYWOOD-SMITH  
**AN710R**  
 200 mm, 8"

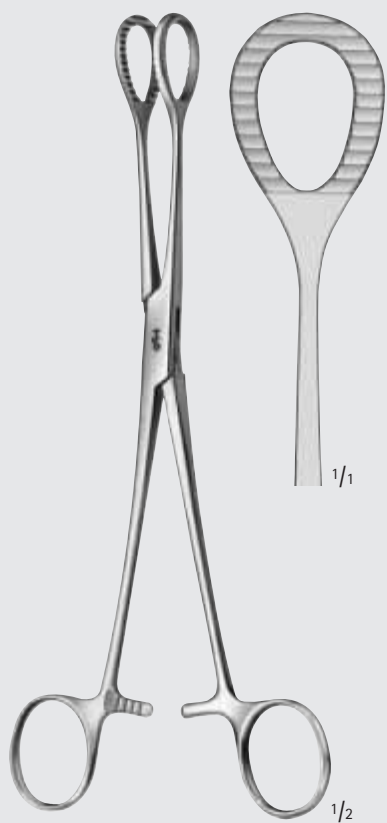
MILLIMETERS

## Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

Gallenblasenzangen und Gallengangscheren

Gall Bladder Forceps and Gall Duct Scissors

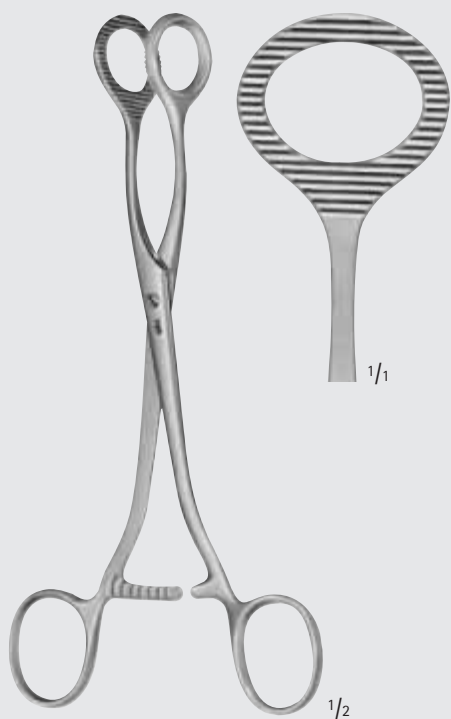
EB



HEYWOOD-SMITH MODIF.

AN711R

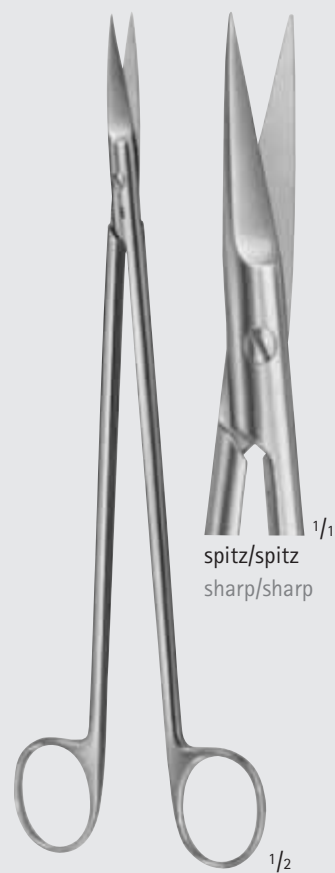
215 mm, 8 1/2"



DOYEN

E0332R

185 mm, 7 1/4"



spitz/spitz  
sharp/sharp

BC642R

zur Eröffnung  
der Gallenblase  
for opening the  
gall bladder  
225 mm, 9"



Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments  
Gallengangsscheren  
Gall Duct Scissors

EB



POTTS-DE MARTEL

BC650R

60°

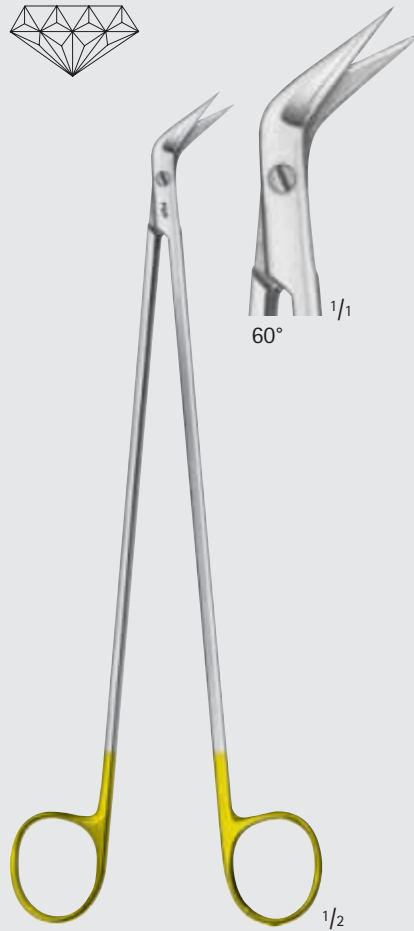
MILLS <sup>1/1</sup>

BC651R

60°

BC650R-BC651R

220 mm, 8 3/4"

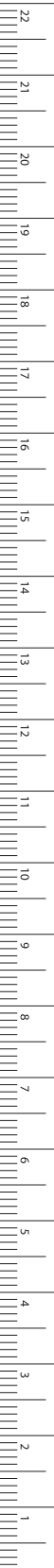


60°

DE BAKEY

BC245R

220 mm, 8 3/4"



MILLIMETERS

## Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

### Gallengangsonden

### Gall Duct Probes

EB



Knopf-Ø 3,5 mm  
Diam. of tip 3.5 mm



HAJEK

OK900

Spülkanüle, aus Silber  
Irrigating cannula, silver  
165 mm, 6 1/2"

Knopf-Ø 5 mm  
Diam. of tip 5 mm



MOYNIHAN

EB050

Gallensteinsonde und -löffel  
aus Zinn, biegsam  
Gall stone probe and -scoop  
of tin, malleable  
365 mm, 14 1/2"

Knopf-Ø 5 mm  
Diam. of tip 5 mm



MAYO

E0005R

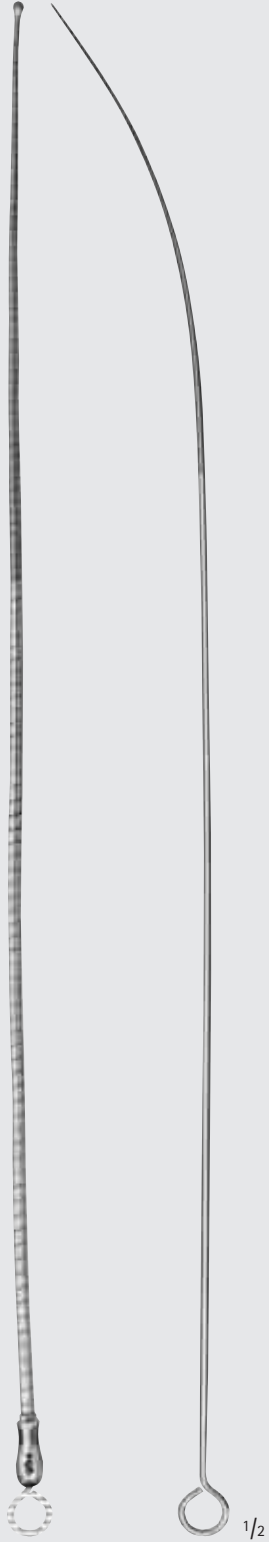
Gallengangsonde, biegsam  
Gall duct probe, malleable  
330 mm, 13 1/8"





**Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments**  
 Gallengansonden  
 Gall Duct Probes

Knopf-Ø 3,5 mm  
 Diam. of tip 3.5 mm



**OCHSNER**

**EB052C**

Gallengangsonde, federnd  
 Gall duct probe, flexible  
 400 mm, 16"



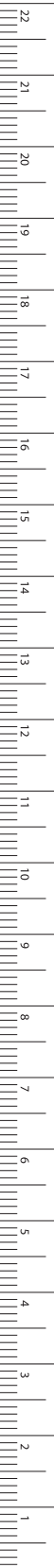
	EB101R	EB102R	EB103R
Knopf-Ø	3,8 mm	5,3 mm	6,8 mm
Diam. of tip	3.8 mm	5.3 mm	6.8 mm

**DESJARDINS**

**EB101R-EB103R**

Gallengangsonden, federnd  
 Gall duct probes, flexible  
 285 mm, 11 1/4"

**EB**



MILLIMETERS

**Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments**  
 Gallengangdilatoren  
 Gall Duct Dilators

**EB**



Charr. (French)

EF638R	8
EF639R	9
EF640R	10
EF641R	11
EF642R	12
EF643R	13
EF644R	14
EF645R	15
EF646R	16
EF647R	17
EF648R	18
EF649R	19
EF650R	20
EF651R	21
EF652R	22
EF653R	23
EF654R	24
EF655R	25
EF656R	26
EF657R	27
EF658R	28
EF659R	29
EF660R	30

DITTEL

EF638R-EF660R

Metallbougie-Öffner

Metal bougies  
and dilating sounds

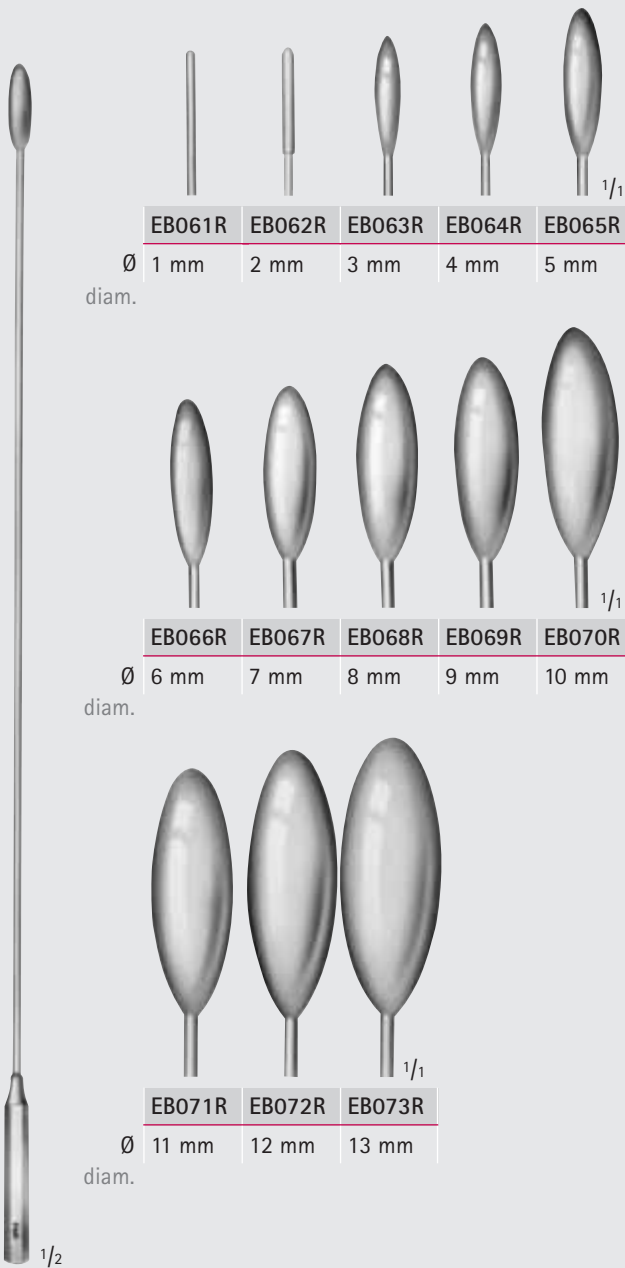
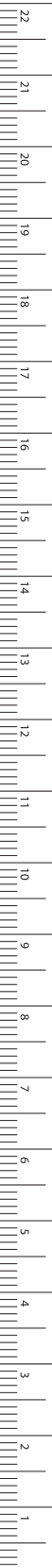
345 mm, 13 3/4"



# Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

## Gallengangdilatoren Gall Duct Dilators

EB



	EB061R	EB062R	EB063R	EB064R	EB065R
Ø diam.	1 mm	2 mm	3 mm	4 mm	5 mm

	EB066R	EB067R	EB068R	EB069R	EB070R
Ø diam.	6 mm	7 mm	8 mm	9 mm	10 mm

	EB071R	EB072R	EB073R
Ø diam.	11 mm	12 mm	13 mm

BAKES

### EB061R-EB073R

Gallengangdilations Oliven,  
biegsam

Common bile duct dilators,  
malleable

EB061R-EB065R 315 mm, 12 1/2"

EB066R-EB073R 320 mm, 12 3/4"

### EB074R

Satz à 9 Stück EB063R - EB071R,  
in Leinentasche

Set of 9 pieces EB063R - EB071R,  
in canvas roll

### EB075

Leinentasche allein  
Canvas roll only

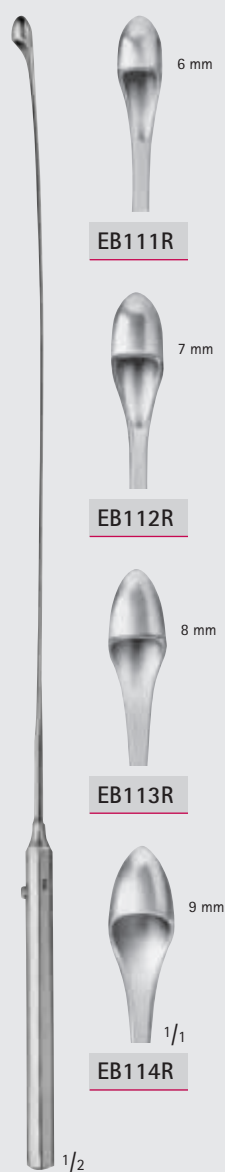
MILLIMETERS

## Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

### Gallensteinlöffel

### Gall Stone Scoops

geeignete Wundhaken siehe Rubrik BT  
 selbsthaltende Bauchdeckenrahmen siehe Rubrik BV  
 suitable retractors see section BT  
 Self-retaining abdominal retractors see section BV



**EB111R**

6 mm

**EB112R**

7 mm

**EB113R**

8 mm

**EB114R**

9 mm

1/2

#### DESJARDINS

**EB111R-EB114R**

Sonde und Fänger mit federndem Schaft  
 Probe and catch with flexible shaft  
 300 mm, 12"

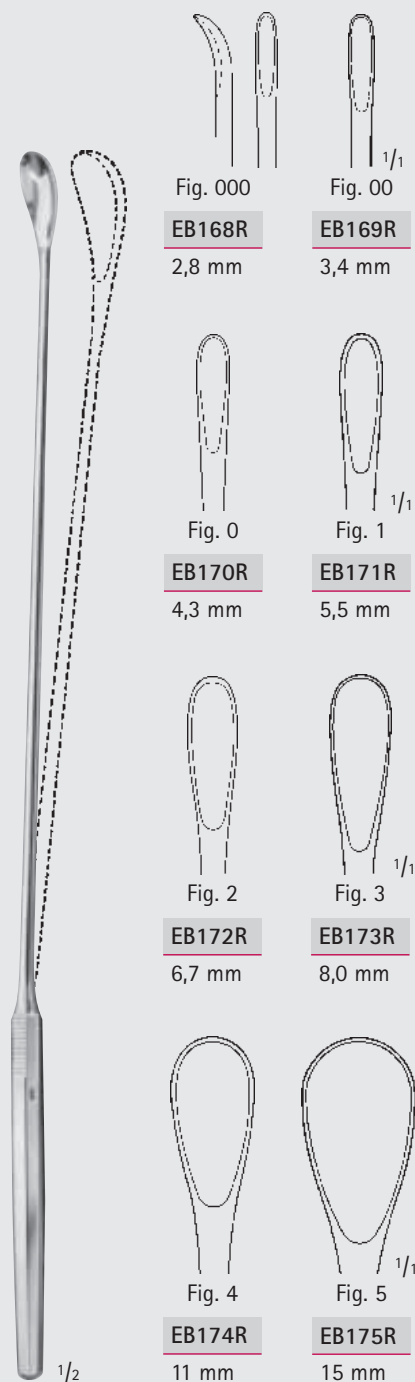


Fig. 000

**EB168R**  
2,8 mm

Fig. 00

**EB169R**  
3,4 mm

Fig. 0

**EB170R**  
4,3 mm

Fig. 1

**EB171R**  
5,5 mm

Fig. 2

**EB172R**  
6,7 mm

Fig. 3

**EB173R**  
8,0 mm

Fig. 4

**EB174R**  
11 mm

Fig. 5

**EB175R**  
15 mm

1/2

#### LUER-KÖRTE MODIF.

**EB168R-EB175R**

mit biegsamen Schaft  
 with malleable shaft  
 325 mm, 12 3/4"



## Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments Gallensteinzangen Gall Stone Forceps

weitere Gallensteinzangen siehe Rubrik EF  
further gall stone forceps see section EF

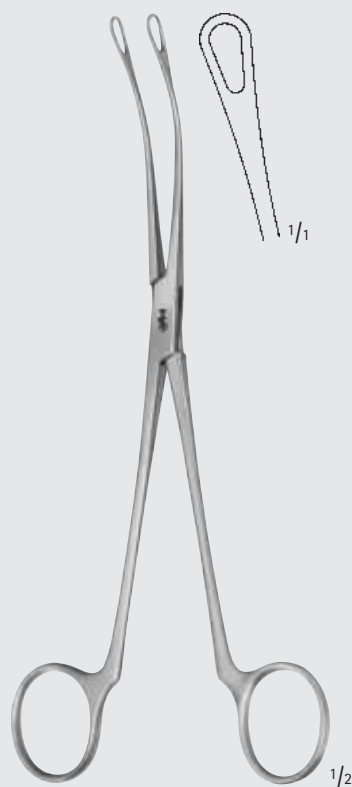
EB



BLAKE

EB220R

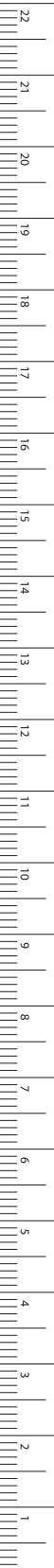
205 mm, 8"



BLAKE

EB221R

205 mm, 8"



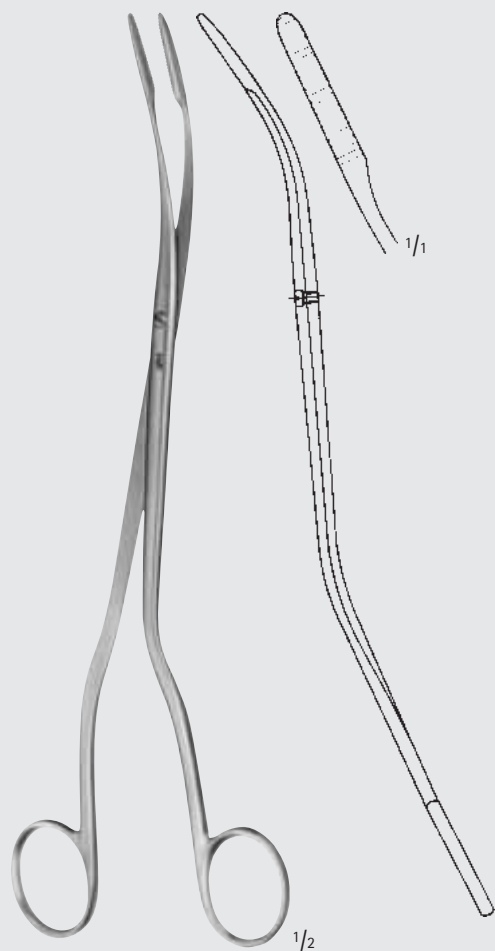
MILLIMETERS

## Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments

Gallensteinzangen

Gall Stone Forceps

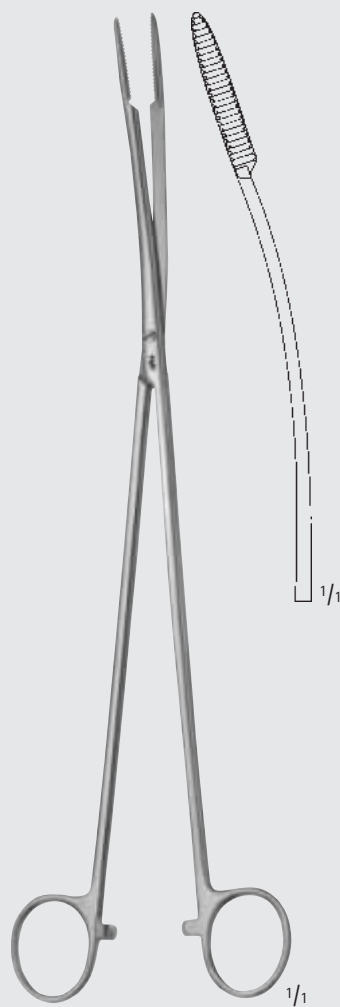
EB



CZERNY

EB225R

245 mm, 9 3/4"



PELKMANN

EO061R

260 mm, 10 1/4"

Instrumente für Galle, Leber – Gall Bladder-, Liver-Instruments  
 Gallensteinzangen  
 Gall Stone Forceps

EB



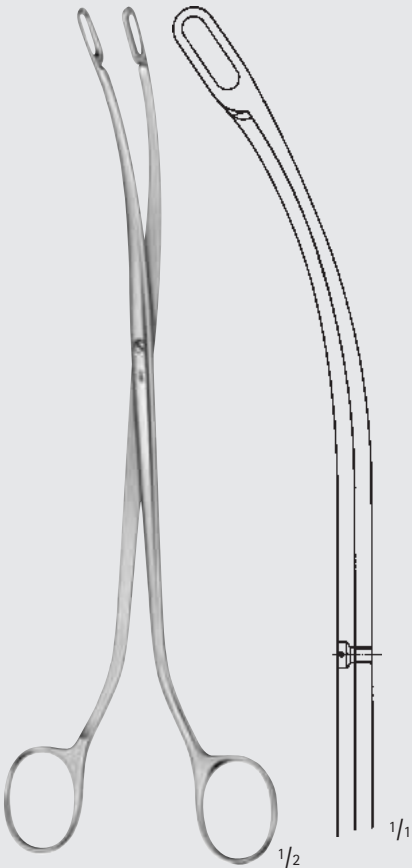
EB231R

EB232R



EB233R

EB234R <sup>1/1</sup>



DESJARDINS

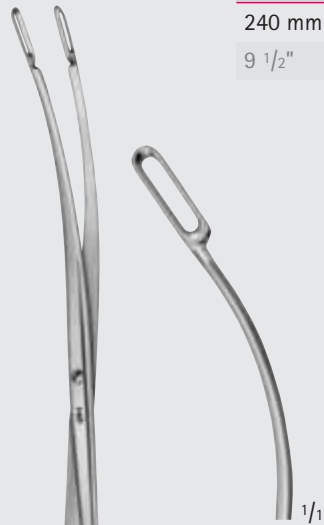
EB231R-EB233R

225 mm, 9"



EB240R

240 mm  
9 1/2"



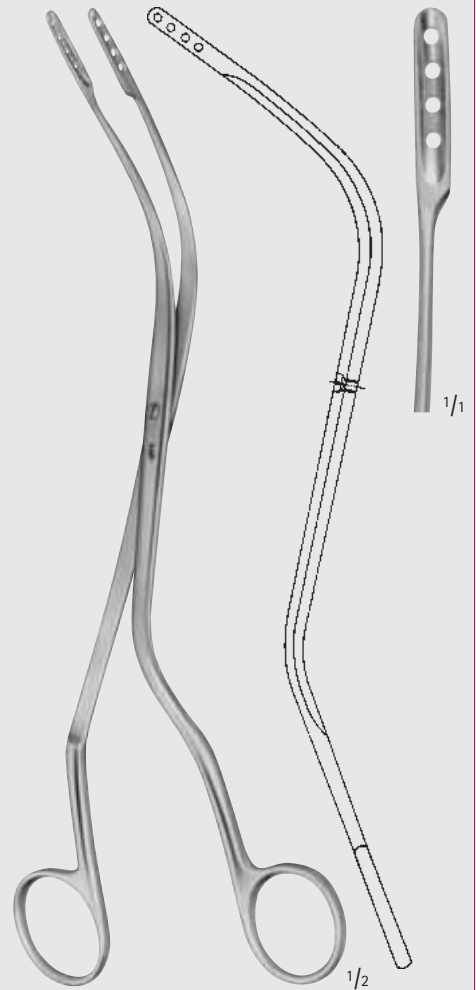
EB242R

225 mm  
9"

DESJARDINS

EB240R-EB242R

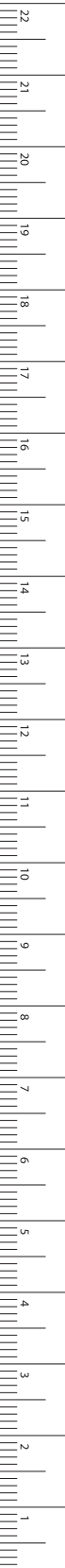
besonders schmale Modelle  
extremely delicate patterns



TÜBINGER MODELL

EB239R

255 mm, 10"





INCHES



EF



Urologie-Instrumente  
Genito-Urinary Instruments

# Urologie-Instrumente – Genito-Urinary Instruments

## Nierenklemmen

### Kidney Clamps

EF



**AIRAUMATA®**



**EF001R**  
240 mm  
9 1/2"



**EF002R**  
230 mm  
9"



**EF003R**  
230 mm  
9"

GUYON

**EF001R-EF003R**



GUYON

**EF011R**

230 mm, 9"

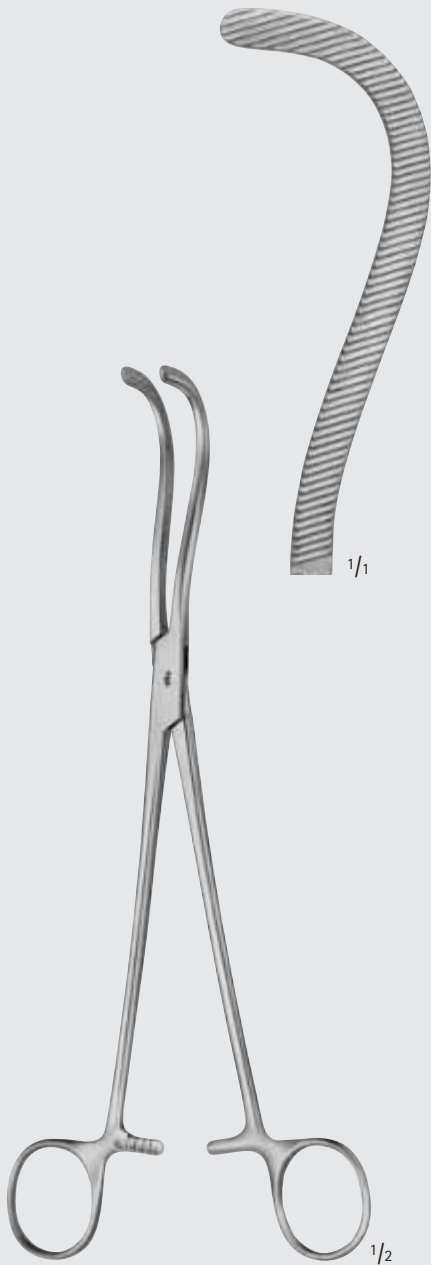


## Urologie-Instrumente – Genito-Urinary Instruments

Nierenklemmen

Kidney Clamps

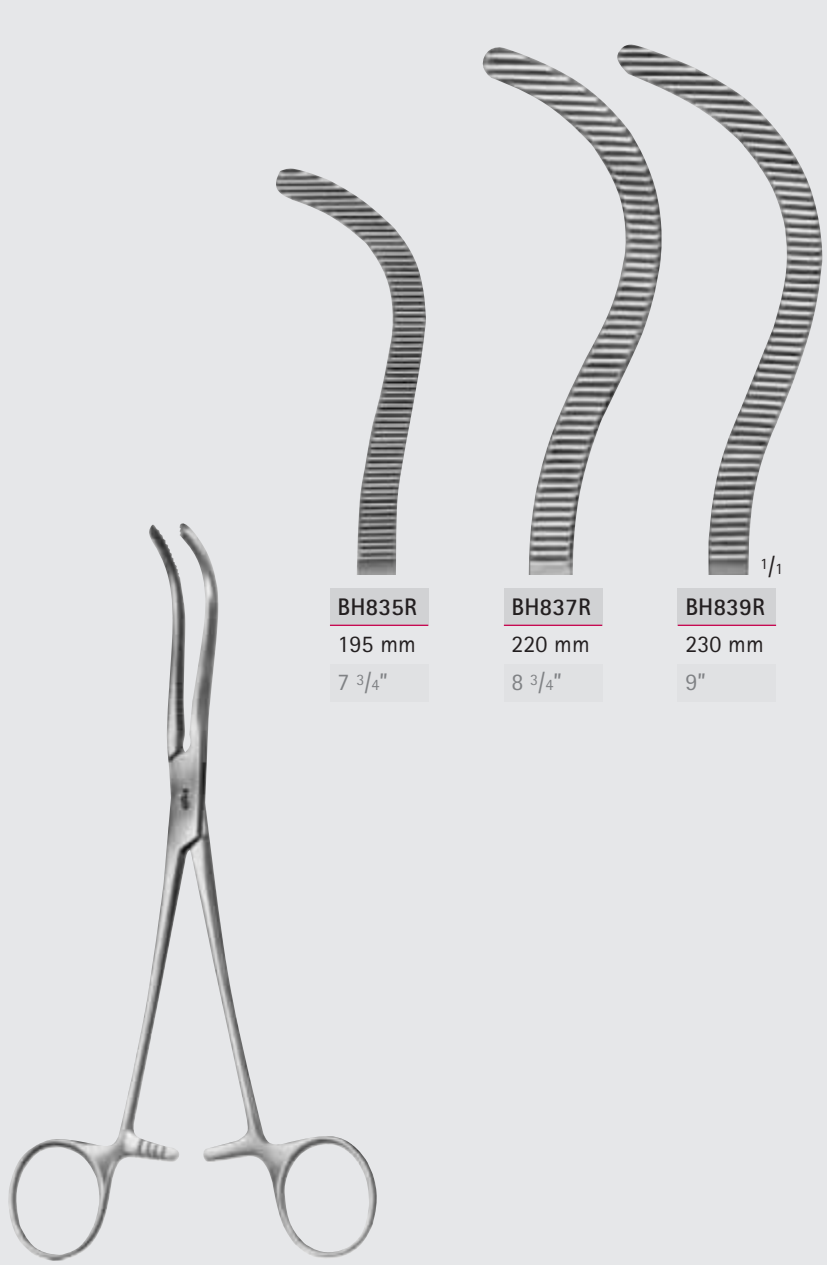
EF



GUYON

EF010R

235 mm, 9 1/4"



PEAN

BH835R-BH839R

BH835R

195 mm

7 3/4"

BH837R

220 mm

8 3/4"

BH839R

230 mm

9"



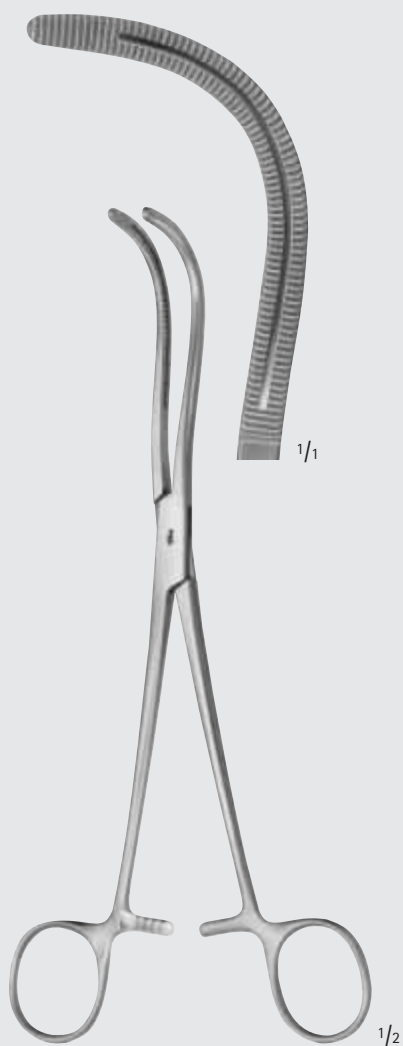
MILLIMETERS

# Urologie-Instrumente – Genito-Urinary Instruments

## Nierenklemmen

### Kidney Clamps

EF



STILLE

EF016R

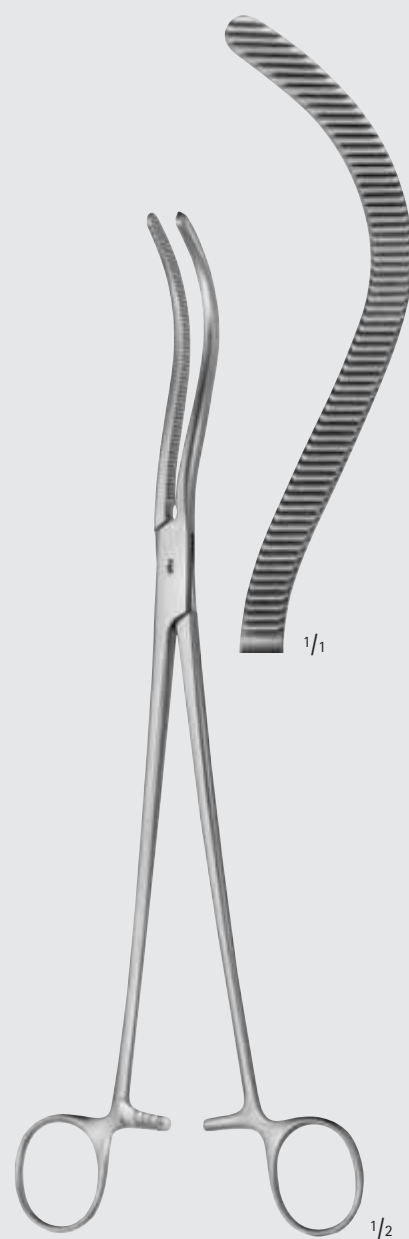
220 mm, 8 3/4"



STILLE

EF015R

240 mm, 9 1/2"



GUYON

EF012R

265 mm, 10 1/2"



Urologie-Instrumente – Genito-Urinary Instruments  
Nierenstielklemmen  
Kidney Pedicle Clamps

EF



HERRICK

EF030R

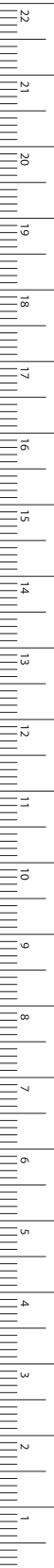
225 mm, 9"



WERTHEIM

BJ574R

255 mm, 10"



MILLIMETERS

## Urologie-Instrumente – Genito-Urinary Instruments

Nierenstielklemmen

Kidney Pedicle Clamps

EF



WERTHEIM-CULLEN

**BJ579R**

Winkel- und Druckklemme  
Angle- and pressure clamp

215 mm, 8 1/2"

AIRAUMATA®



WERTHEIM

**BJ581R**

Winkel- und Druckklemme  
Angle- and pressure clamp

250 mm, 10"



## Urologie-Instrumente – Genito-Urinary Instruments

Nierenfasszangen  
Kidney Elevating Forceps

EF



COLLIN

EO405R

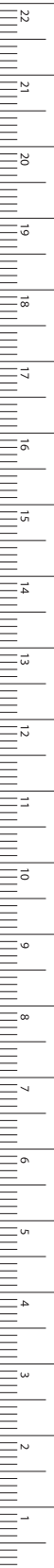
285 mm, 11 1/4"



DARTIGUES

EO407R

255 mm, 10"



MILLIMETERS

# Urologie-Instrumente – Genito-Urinary Instruments

## Nierensteinzangen

### Kidney Stone Forceps

EF



**EF047R**  
170 mm  
6 3/4"

**EF048R**  
160 mm  
6 1/4"



**HEIMING**

**EF047R-EF048R**

für Kinder  
for children



**EF051R**

**EF052R**



**EF053R**

**EF054R**

**RANDALL**

**EF051R-EF054R**

225 mm, 9"





Urologie-Instrumente – Genito-Urinary Instruments  
Nierensteinzangen  
Kidney Stone Forceps

EF



EF055R



EF056R



RANDALL

EF055R-EF056R

190 mm, 7 1/2"



MILLIMETERS

## Urologie-Instrumente – Genito-Urinary Instruments

Nierensteinzangen

Kidney Stone Forceps

EF



**EB244R**  
245 mm  
9 3/4"



**EB246R**  
230 mm  
9"



**RANDALL**

**EB244R-EB246R**

besonders schmale Modelle  
extremely delicate patterns



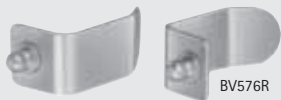
## Urologie-Instrumente – Genito-Urinary Instruments

Blasenwundspreizer

Bladder Retractors



KUGELSCHNELLVERSCHLUSS  
BALL SNAP CLOSURE



BV576R



BV577R

### MILLIN

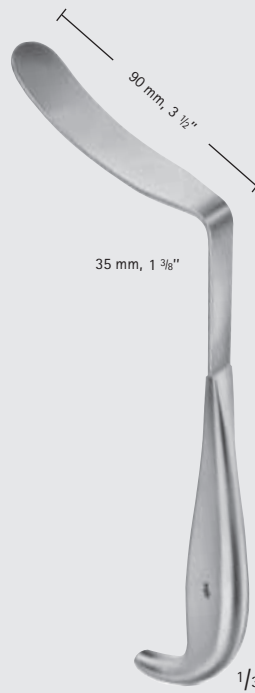
#### BV580R

Blasenwundspreizer komplett,  
bestehend aus:

- BV575R Sperrer allein
- BV576R Blätter 57 x 25 mm
- BV577R Blätter 82 x 25 mm
- BV578R Mittelblatt 105 x 45 mm

Bladder retractor complete,  
consisting of:

- BV575R Spreader only
- BV576R Blades 57 x 25 mm
- BV577R Blades 82 x 25 mm
- BV578R Center blade 105 x 45 mm

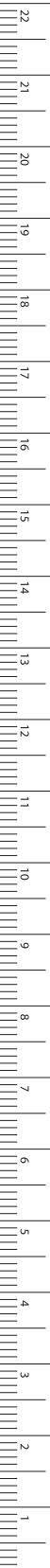


### LEGUEU

#### BV928R

Blasenspatel  
Bladder spatula  
260 mm, 10 1/4"

EF



MILLIMETERS

# Urologie-Instrumente – Genito-Urinary Instruments

Urologie – Prostatektomie

Genito-Urinary Instruments – Prostatectomy

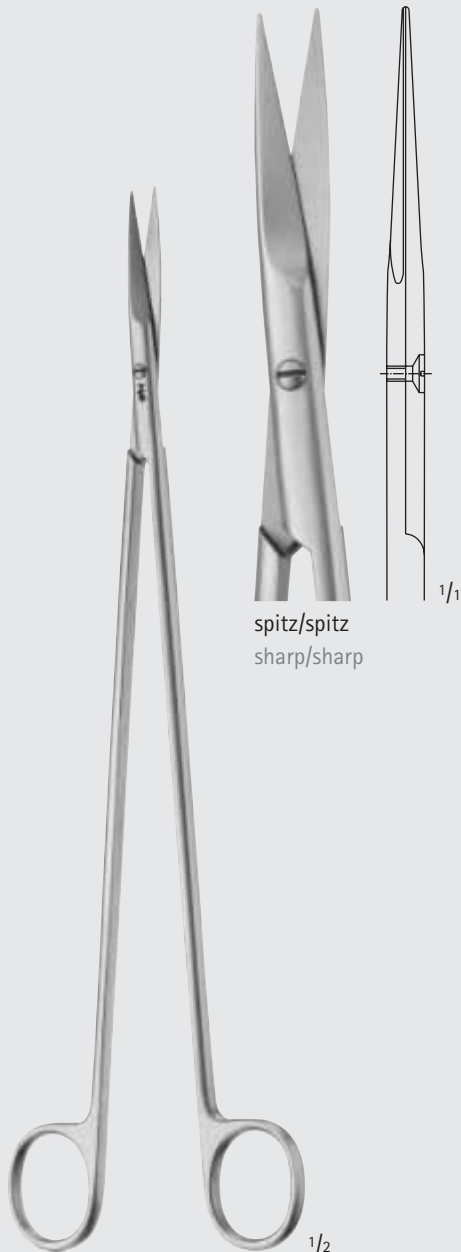
EF



**BARRÉ**  
**BB176R-BB178R**  
No. 3 XL  
für linke Hand  
for left hand  
250 mm, 10"



**BARRÉ**  
**BB177R**  
No. 3 XL  
für linke Hand  
for left hand  
250 mm, 10"



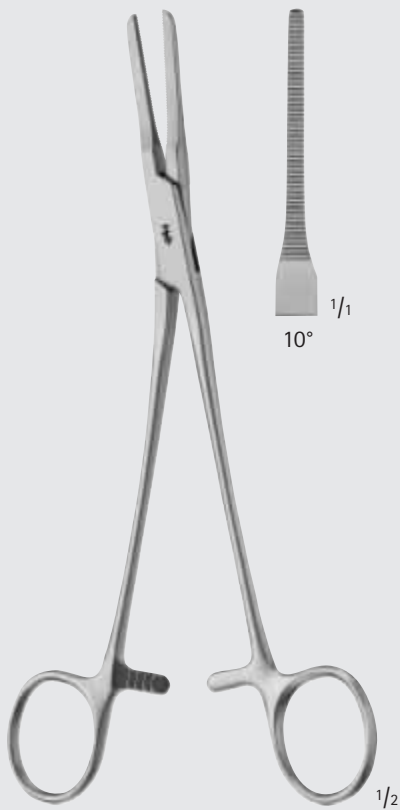
**BARRÉ**  
**BC715R**  
Präparierschere  
Dissecting scissors  
280 mm, 11"

## Urologie-Instrumente – Genito-Urinary Instruments

Urologie - Prostatektomie

Genito-Urinary Instruments - Prostatectomy

EF



**EF167R**

Venenklemme  
Venous plexus clamp  
210 mm, 8 1/4"



**BJ029R**

extra fein  
extra delicate

**BJ110R**

fein  
delicate

BARRE

**BJ029R-BJ110R**

Präparierklemmen  
Dissecting forceps  
280 mm, 11"



MILLIMETERS

## Urologie-Instrumente – Genito-Urinary Instruments

Urologie – Prostatektomie

Genito-Urinary Instruments – Prostatectomy

EF



BARRÉ

**BT680R**

Prostata-Retraktor  
Prostate retractor

360 mm, 14 3/8"



BARRÉ

**BT681R**

Urethra-Retraktor  
Urethral retractor

390 mm, 15 1/2"



BARRÉ

**GK685R**

Bipolare Pinzette  
Bipolar forceps

260 mm, 10 1/4"

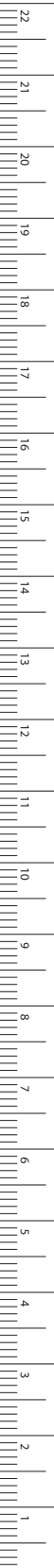


## Urologie-Instrumente – Genito-Urinary Instruments

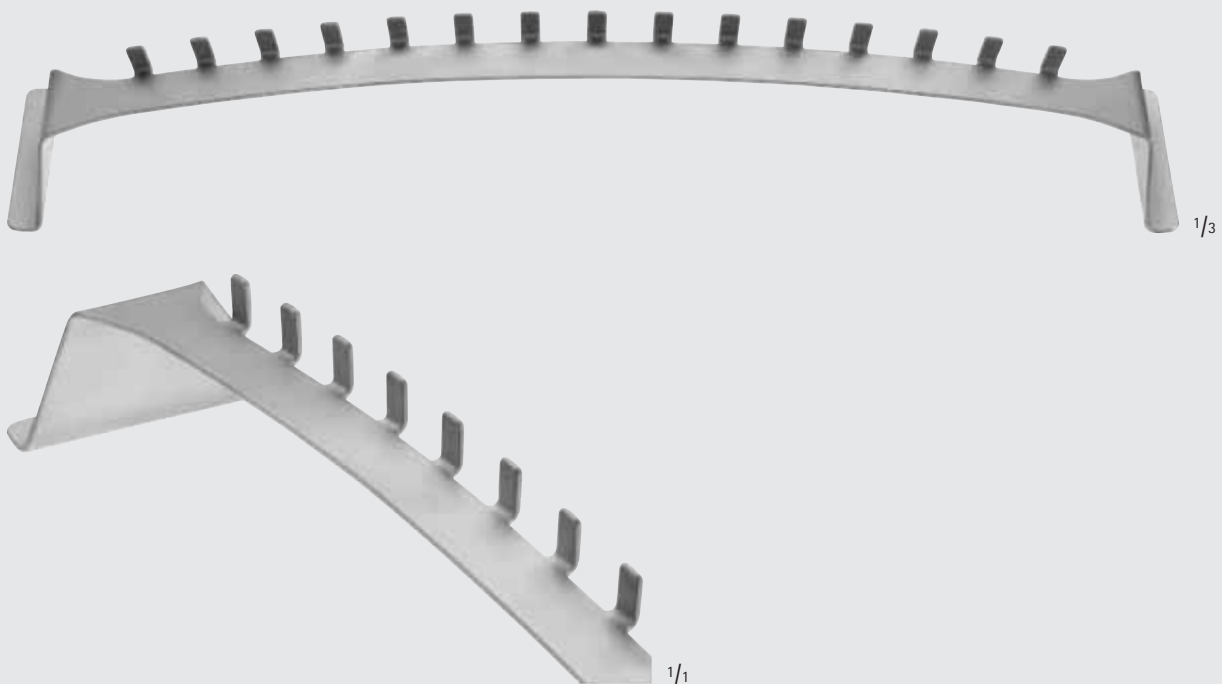
Urologie - Prostatektomie

Genito-Urinary Instruments - Prostatectomy

EF



MILLIMETERS



BARRÉ

BV927R

Fadenhaltebügel

Suture holding frame

465 mm, 18 1/3"

## Urologie-Instrumente – Genito-Urinary Instruments

Urologie – Prostatektomie

Genito-Urinary Instruments – Prostatectomy

EF

AIRAUMATA®



MILLIN

EF163R

Kapselzange

Lobe grasping forceps

245 mm, 9 3/4"

AIRAUMATA®



MILLIN

EF164R

Kapselzange

Lobe grasping forceps

235 mm, 9 1/4"



MILLIN

EF168R

Fadenzange

Ligature holding forceps

245 mm, 9 3/4"



MILLIN

EF170R

Blasenhalsspreizer

Bladder neck spreader

285 mm, 11 1/4"

INCHES





## Urologie-Instrumente – Genito-Urinary Instruments

Urologie - Prostatektomie

Genito-Urinary Instruments - Prostatectomy



BM627R



BM628R



BM629R

BM627R-BM629R

Ersatz-Nadeln  
Spare needles

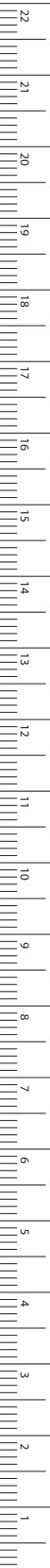


### YOUNG-HRYNTSCHAK

BM620R

Bumerang-Nadelhalter  
mit 1 Nadel BM627R  
Boomerang Needle Holder  
with 1 needle BM627R  
240 mm, 9 1/2"

EF



MILLIMETERS

## Urologie-Instrumente – Genito-Urinary Instruments

Urologie-Instrumente

Genito-Urinary Instruments

EF



TRAUMATA®



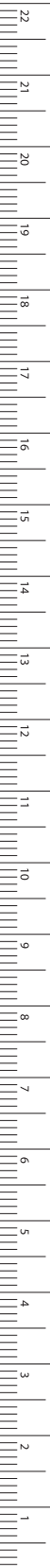
EF070R

Ureterzange  
Ureter Forceps  
240 mm, 9 1/2"

## Urologie-Instrumente – Genito-Urinary Instruments

Urologie-Instrumente  
Genito-Urinary Instruments

EF



MILLIMETERS



STOCKMANN

EF400R

Penisklemme

Penis clamp

70 mm, 2 3/4"



STRAUSS

EF401R

Penisklemme

Penis clamp

130 mm, 5 1/8"



EF155R

Zange zum Erfassen der  
Glans und der Vorhaut,  
Ring-Ø 4,8 mm

Forceps for grasping the  
glans and the foreskin,  
ring diam. 4.8 mm

125 mm, 5"

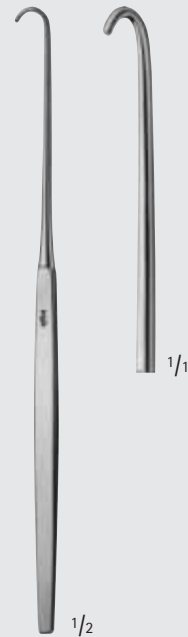


EF195R

Klemme zum Fixieren  
des Samenstrangs

Fixation clamp for the  
spermatic cord

145 mm, 5 3/4"



BT126R

Haken für den Samenstrang  
Hook for the spermatic cord

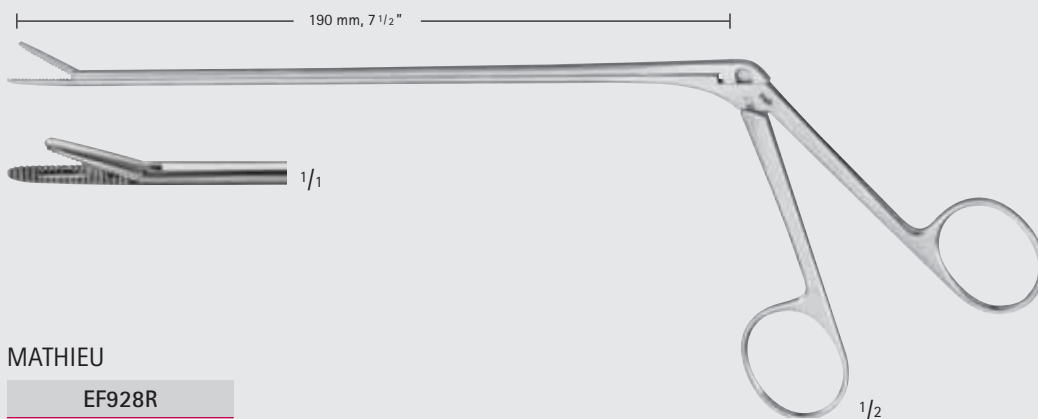
165 mm, 6 1/2"

## Urologie-Instrumente – Genito-Urinary Instruments

Urologie-Harnröhre

Genito-Urinary Instruments

EF

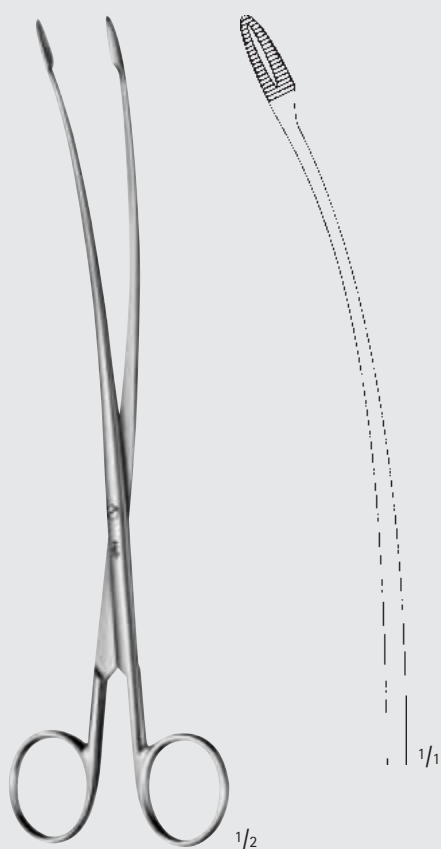


MATHIEU

EF928R

Fremdkörperzange

Foreign body forceps



PITHA

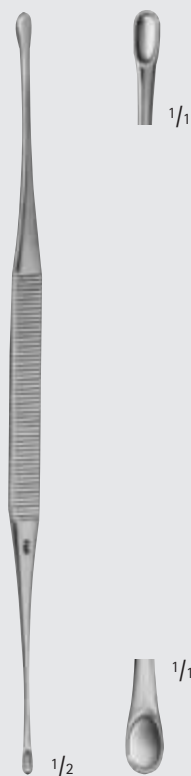
EF921R

Fremdkörperzange

Foreign body forceps

220 mm, 8 3/4"

biegsam  
malleable



ASCH

ER005R

Sekretlöffel, stumpf

Secretion scoop, blunt

200 mm, 8"



Charr. (French)

EF208C	8
EF210C	10
EF212C	12
EF214C	14
EF216C	16
EF218C	18
EF220C	20

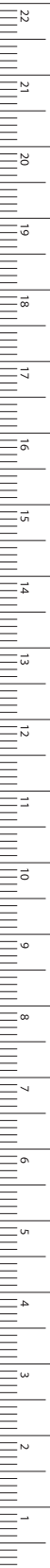
Metallkatheter  
für Männer  
Male catheters,  
metal  
290 mm, 11 1/2"



Charr. (French)

EF306C	6
EF308C	8
EF310C	10
EF312C	12
EF314C	14
EF316C	16
EF318C	18

Metallkatheter  
für Frauen  
Female catheters  
metal  
155 mm, 6"



## Urologie-Instrumente – Genito-Urinary Instruments

Urologie-Instrumente

Genito-Urinary Instruments

EF



EF491C

Katheterspanner und  
Einführungsinstrument  
Catheter guide  
(introducer)  
490 mm, 19 1/2"



GUYON

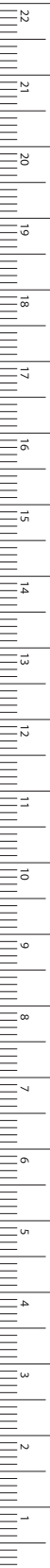
EF492R

Katheterspanner und  
Einführungsinstrument  
Catheter guide  
(introducer)  
365 mm, 14 1/2"



EF493R

Kathetereinführungsinstrument  
Introducer for catheters  
460 mm, 18"



1/2

Charr. (French)

EF638R	8
EF639R	9
EF640R	10
EF641R	11
EF642R	12
EF643R	13
EF644R	14
EF645R	15
EF646R	16
EF647R	17
EF648R	18
EF649R	19
EF650R	20
EF651R	21
EF652R	22
EF653R	23
EF654R	24
EF655R	25
EF656R	26
EF657R	27
EF658R	28
EF659R	29
EF660R	30

**DITTEL**

**EF638R-EF660R**

Metallbougie-Öffner, starr  
Urethral bougies  
and dilating sounds, stiff  
345 mm, 13 3/4"



1/2

**TURNER WARWICK**

**EF790R**

Harnröhrenbougie  
Retrograde bougie  
180 mm, 7"

## Urologie-Instrumente – Genito-Urinary Instruments

Urologie-Instrumente

Genito-Urinary Instruments

EF



EF824R	Ben.24/Charr.12
EF826R	Ben.26/Charr.13
EF828R	Ben.28/Charr.14
EF830R	Ben.30/Charr.15
EF832R	Ben.32/Charr.16
EF834R	Ben.34/Charr.17
EF836R	Ben.36/Charr.18
EF838R	Ben.38/Charr.19
EF840R	Ben.40/Charr.20
EF842R	Ben.42/Charr.21
EF844R	Ben.44/Charr.22
EF846R	Ben.46/Charr.23
EF848R	Ben.48/Charr.24
EF850R	Ben.50/Charr.25
EF852R	Ben.52/Charr.26
EF854R	Ben.54/Charr.27
EF856R	Ben.56/Charr.28
EF858R	Ben.58/Charr.29
EF860R	Ben.60/Charr.30

GUYON

EF824R-EF860R

Metallbougie-Öffner

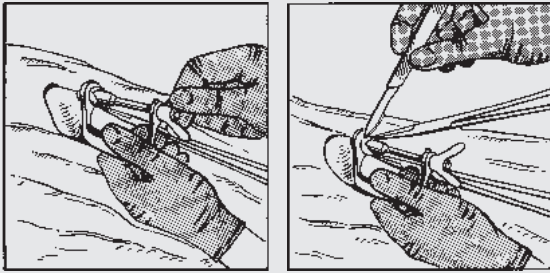
Urethral bougies and  
dilating sounds

255 mm, 10"



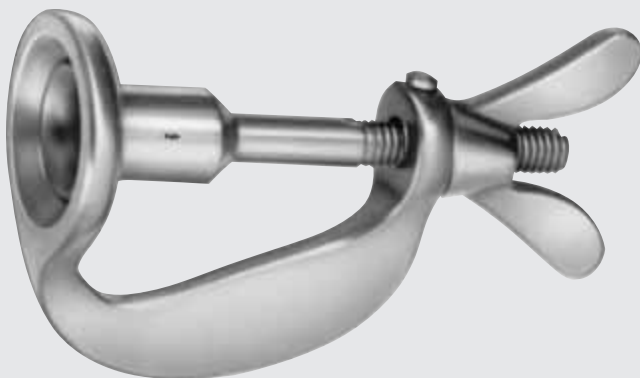
## Urologie-Instrumente – Genito-Urinary Instruments

### Beschneidungsklemmen Circumcision Clamps



- Der glockenförmige Stempel der Beschneidungsklemme wird über die Eichel geschoben und die Vorhaut darübergezogen, was 2 Klemmen oder Haltefäden erleichtern.
- Die Flügelmutter wird so stark wie möglich angezogen, so dass die Vorhaut ringförmig maximal komprimiert wird.
- Mit dem Skalpell wird die Vorhaut unmittelbar am Kompressionsring abgetragen. Zur Vermeidung von Blutungen bleibt die Beschneidungsklemme einige Minuten liegen. Es empfiehlt sich, größere Venen, in jedem Falle aber die Frenulararterie nach etwaiger Durchtrennung zu unterbinden.
- Der Vorteil dieser Beschneidungsart liegt in der kosmetisch günstigen Narbe, wie sie nach Abstoßung des dünnen Nekrosesaumes entsteht.

- Assisted by two hemostats or ligatures the foreskin is pushed over the bellshaped protection-rod and the glans is placed into it.
- By now, the wing-nut is tightened as close as possible, so the foreskin is annular compressed. The foreskin is cut off with a scalpel, right next to the compression ring.
- The circumcision clamp remains a few minutes to avoid bleeding. In case that any large vein, specially the frenular artery, is cut through, a ligature must be set.
- The advantage of the method described is the cosmeticly favourable scar which is left after rejection of the small necrotized portion.



WINKELMANN

∅  
diam.

EF965R	12 mm
EF966R	16 mm
EF967R	20 mm

Beschneidungsklemmen  
Circumcision clamps



INCHES

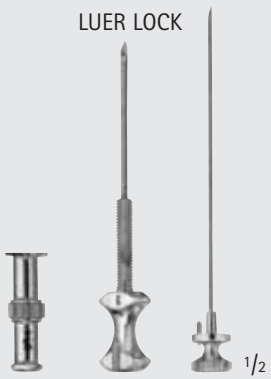
EJ



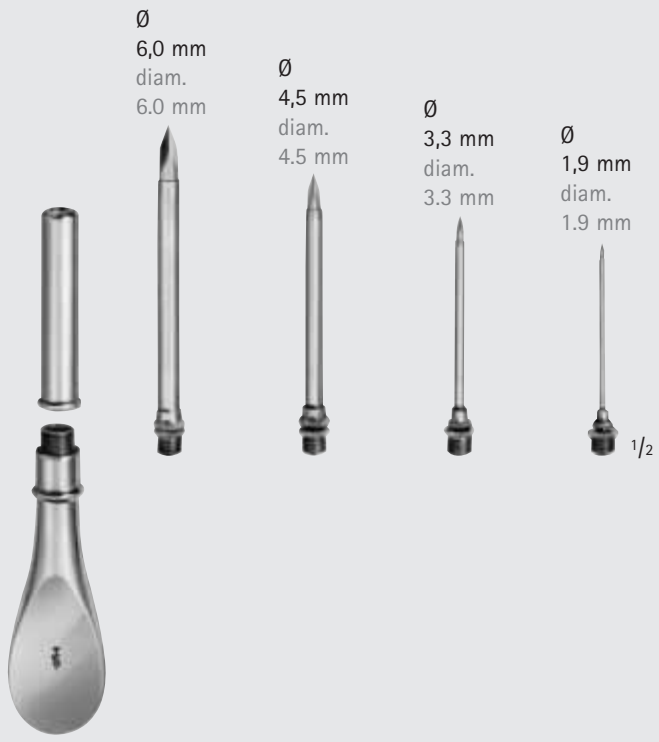
Trokare  
Trocars

**Trokare – Trocars**  
 Trokare  
 Trocars

EJ



**KLIMA-ROSEGGER**  
**SR428R**  
 Sternal-Punktionskanüle  
 Sternal puncture needle  
 1,8 x 35 mm



**EJ126R**  
 Universaltrokar mit 4  
 Aufsätzen  
 Universal trocar with 4 tips



EL



Scheidenspekula  
Vaginal Specula

# Scheidenspekula – Vaginal Specula

Scheidenspekula

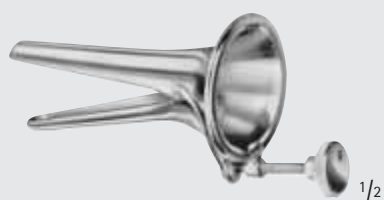
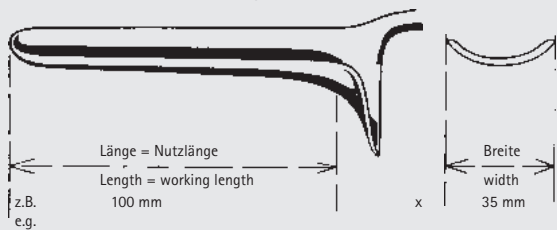
Vaginal Specula

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

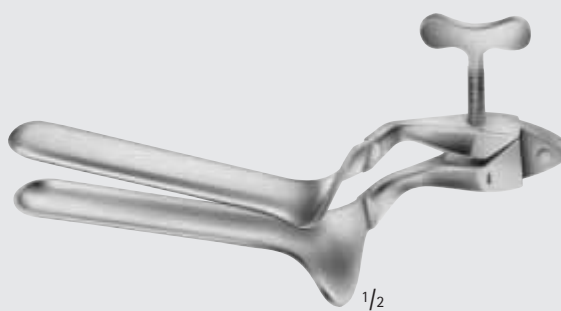
How to measure vaginal specula



COLLIN

**EL010C**

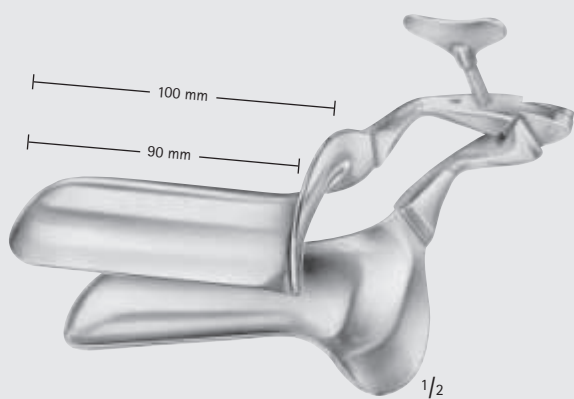
53 x 10 mm  
für Kinder  
for children



COLLIN

**EL011R**

95/85 x 18 mm  
für Jungfrauen  
for virgins



COLLIN

Gesamtlänge/Nutzlänge    Breite  
Total length/working length    Width

EL013R	100/90 mm	28 mm
EL014R	100/90 mm	32 mm
EL015R	105/95 mm	35 mm
EL016R	115/105 mm	40 mm



## Scheidenspekula – Vaginal Specula

Scheidenspekula  
Vaginal Specula

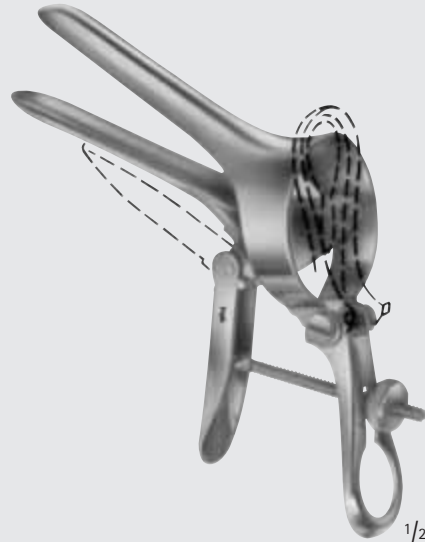
73



CUSCO

**EL040R**

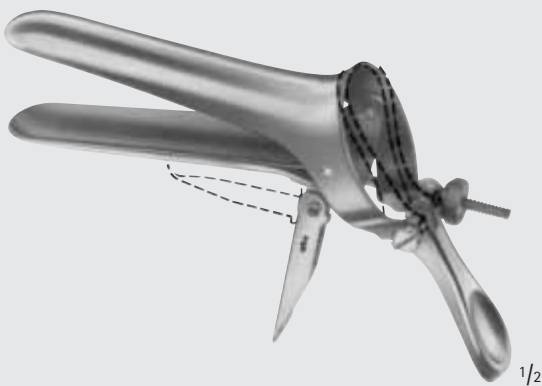
75 x 17 mm  
für Jungfrauen  
for virgins



CUSCO

**EL075R**

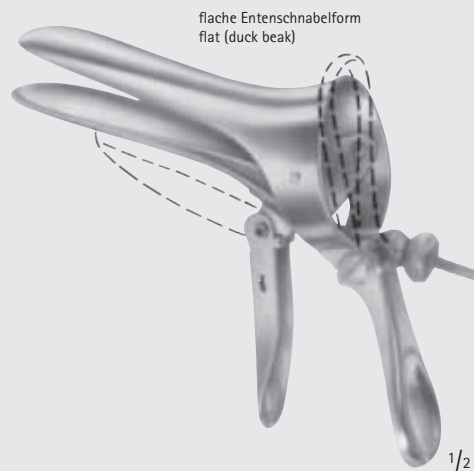
75 x 17 mm  
für Jungfrauen  
for virgins



CUSCO

<b>EL056R</b>	92 x 23 - 25 mm
<b>EL057R</b>	100 x 25 - 27 mm
<b>EL058R</b>	110 x 27 - 30 mm

Schweizer Modelle  
speziell: lang und schmal  
Swiss patterns  
features: long and narrow



CUSCO

<b>EL086R</b>	80 x 32 mm
<b>EL087R</b>	90 x 37 mm
<b>EL088R</b>	115 x 37 mm



# Scheidenspekula – Vaginal Specula

## Scheidenspekula

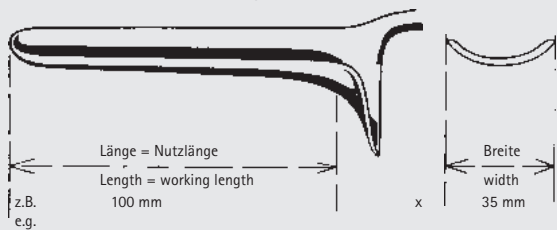
## Vaginal Specula

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



z.B.  
e.g.

**CUSCO STANDARD**

EL041R	80 x 24 mm
EL042R	80 x 32 mm
EL043R	90 x 36 mm
EL044R	110 x 37 mm

Standard-Modelle  
Standard patterns

**CUSCO**

EL076R	80 x 24 mm
EL077R	80 x 32 mm
EL078R	90 x 36 mm
EL079R	110 x 37 mm

**CUSCO**

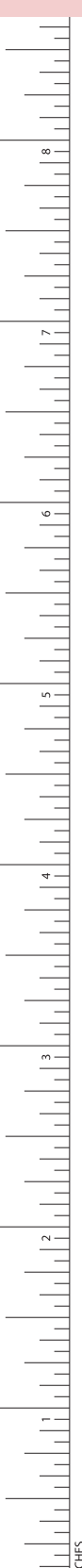
EL080R	107 x 29 mm
EL081R	115 x 35 mm

mit Absaugrohr  
with suction tube

**TRELAT**

EL150R	85 x 33 mm
EL151R	95 x 35 mm
EL152R	115 x 43 mm

EL



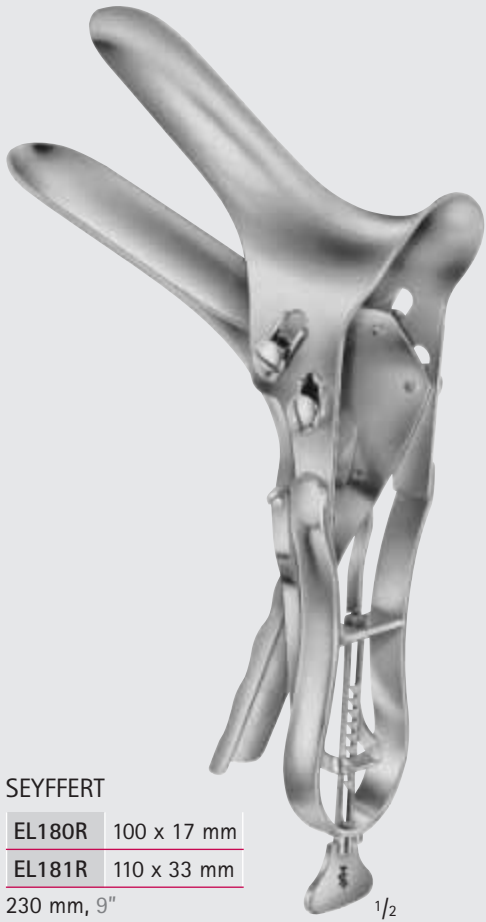




## Scheidenspekula – Vaginal Specula

Scheidenspekula  
Vaginal Specula

73



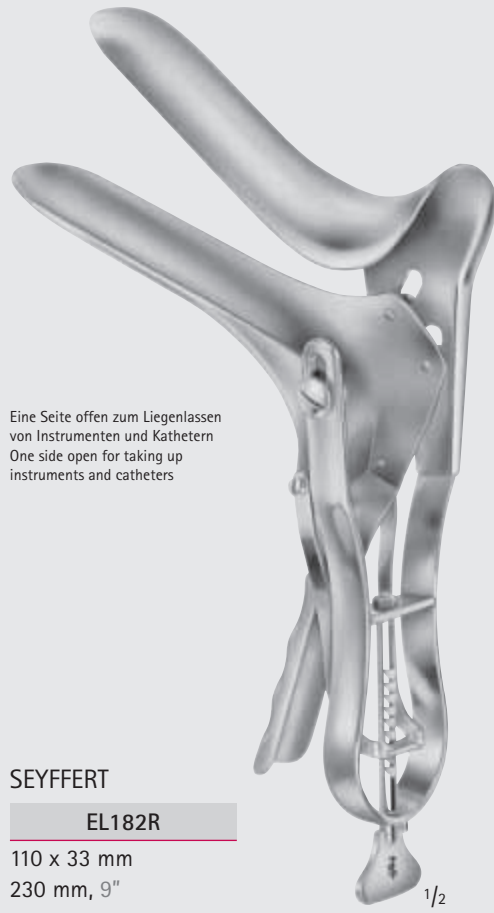
SEYFFERT

**EL180R** 100 x 17 mm

**EL181R** 110 x 33 mm

230 mm, 9"

1/2



Eine Seite offen zum Liegenlassen  
von Instrumenten und Kathetern  
One side open for taking up  
instruments and catheters

SEYFFERT

**EL182R**

110 x 33 mm

230 mm, 9"

1/2



Mit Doppelsperre, Fixieren und Lösen  
der Sperre durch Daumendruck  
With double ratchet, closing and  
opening of ratchet by pressure of thumb

SEMM

**EL183R**

90 x 14 - 18 mm

für Kinder und Jungfrauen  
for children and virgins

180 mm, 7"

1/2



Mit Doppelsperre, Fixieren und Lösen  
der Sperre durch Daumendruck  
With double ratchet, closing and  
opening of ratchet by pressure of thumb

SEMM

**EL184R** 100 x 20 - 24 mm

**EL185R** 100 x 30 - 34 mm

185 mm, 7 1/4"

1/2

# Scheidenspekula – Vaginal Specula

Scheidenspekula

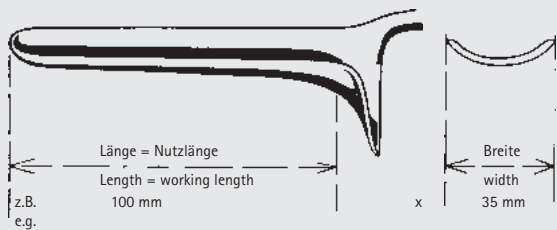
Vaginal Specula

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



## GRAVE

EL194R	75 x 20 mm
EL195R	95 x 30 mm
EL196R	105 x 33 mm

1/2

## PEDERSON

EL192R	100 x 22 mm
EL193R	120 x 25 mm

1/2



1/2

SIMS	Nutzlänge x Breite Working length x Width	Gesamtlänge Total length
EL407R	70 x 26 / 75 x 30 mm	125 mm, 5"
EL408R	75 x 30 / 80 x 35 mm	150 mm, 6"
EL409R	80 x 36 / 90 x 40 mm	175 mm, 7"

EL





## Scheidenspekula – Vaginal Specula

Scheidenspekula - Sätze, obere und untere Blätter  
Vaginal Specula - Sets, Upper and Lower Blades

73



### SEIDEL

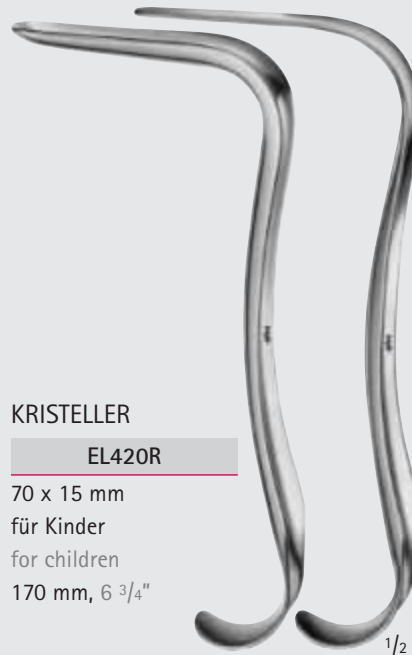
EL410R 80 x 8 mm

EL411R 80 x 10 mm

EL413R 90 x 14 mm

für Kinder und Kleinkinder  
for children and infants  
170 mm, 6 3/4"

1/2



### KRISTELLER

EL420R

70 x 15 mm  
für Kinder  
for children  
170 mm, 6 3/4"

1/2



### KRISTELLER

EL421R 70 x 27 mm

EL422R 75 x 30 mm

EL423R 90 x 36 mm

175 mm, 7"

1/2



### KRISTELLER

EL424R 110 x 18 mm

EL426R 110 x 20 mm

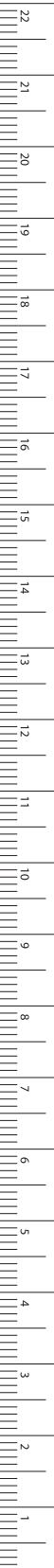
EL425R 110 x 27 mm

EL427R 110 x 30 mm

EL428R 110 x 36 mm

220 mm, 8 3/4"

1/2



MILLIMETERS

# Scheidenspekula – Vaginal Specula

Scheidenspekula - untere Blätter

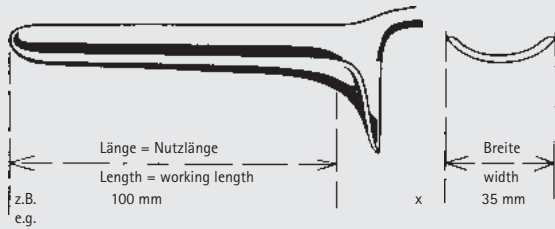
Vaginal Specula - Lower Blades

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



**EL440R**

70 x 15 mm

175 mm

7"



**EL441R**

70 x 27 mm

180 mm

7"



**EL442R**

75 x 30 mm

180 mm

7"



**EL443R**

90 x 36 mm

185 mm

7 1/4"

KRISTELLER

**EL440R-EL443R**

untere Blätter

lower blades

EL

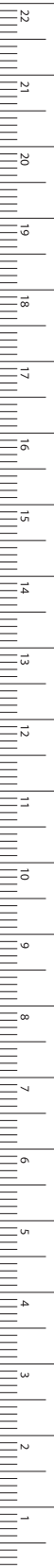


## Scheidenspekula – Vaginal Specula

Scheidenspekula – obere Blätter

Vaginal Specula - Upper Blades

EL



MILLIMETERS



**EL450R**

75 x 10 mm

175 mm

7"

**EL451R**

75 x 23 mm

180 mm

7"

**EL452R**

80 x 25 mm

180 mm

7"

**EL453R**

100 x 32 mm

185 mm

7 1/4"

KRISTELLER

**EL450R-EL453R**

obere Blätter

upper blades

# Scheidenspekula – Vaginal Specula

Scheidenspekula - untere Blätter

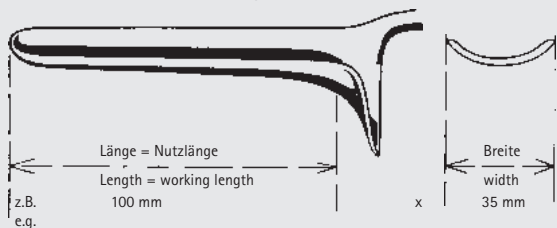
Vaginal Specula - Lower Blades

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



z.B.  
e.g.



**EL444R**

110 x 18 mm

215 mm

8 1/2"

**EL445R**

110 x 27 mm

215 mm

8 1/2"

**EL446R**

110 x 20 mm

220 mm

8 3/4"

**EL447R**

110 x 30 mm

220 mm

8 3/4"

**EL448R**

110 x 36 mm

225 mm

9"

KRISTELLER

**EL444R-EL448R**

untere Blätter

lower blades

EL



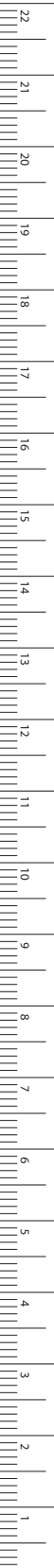


## Scheidenspekula – Vaginal Specula

Scheidenspekula – obere Blätter

Vaginal Specula - Upper Blades

13



MILLIMETERS



KRISTELLER

**EL454R-EL458R**

obere Blätter  
upper blades

**EL454R**

115 x 14 mm

215 mm

8 1/2"

**EL455R**

115 x 23 mm

215 mm

8 1/2"

**EL456R**

115 x 16 mm

220 mm

8 3/4"

**EL457R**

115 x 26 mm

220 mm

8 3/4"

**EL458R**

120 x 30 mm

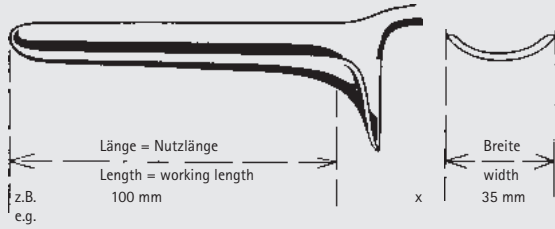
225 mm

9"

# Scheidenspekula – Vaginal Specula

Scheidenspekula  
Vaginal Specula

Scheidenspekula  
Schema für Maßangaben bei Spekula  
Vaginal specula  
How to measure vaginal specula



KALLMORGEN

EL480R

75 x 39 mm

Satz

Set

170 mm, 6 3/4"



KALLMORGEN

EL481R

95 x 39 mm

Satz

Set

200 mm, 8"





Scheidenspekula – Vaginal Specula  
Scheidenspekula  
Vaginal Specula

73



EL494R

110 x 20 mm



EL495R

110 x 30 mm



EL496R

110 x 36 mm

KRISTELLER

EL494R-EL496R

untere Blätter

lower blades

215 mm, 8 1/2"



1/2



EL497R

115 x 18 mm



EL498R

115 x 26 mm



EL499R

115 x 32 mm

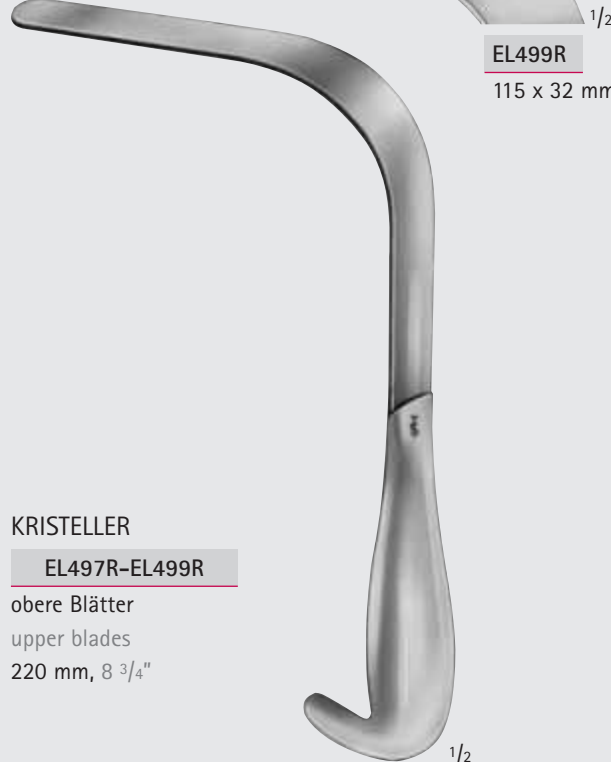
KRISTELLER

EL497R-EL499R

obere Blätter

upper blades

220 mm, 8 3/4"



1/2

KRISTELLER

EL491R 110 x 20 mm

EL492R 110 x 30 mm

EL493R 110 x 36 mm

Wiener Modelle

Sätze

Vienna patterns

Sets



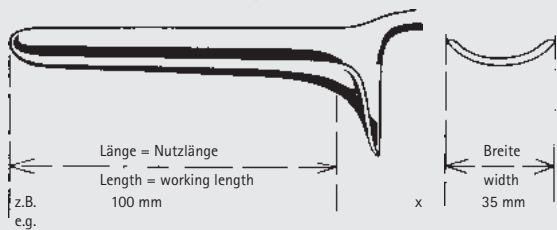
MILLIMETERS

# Scheidenspekula – Vaginal Specula

## Scheidenspekula für Kinder und Jungfrauen

### Vaginal Specula for Children and Virgins

Scheidenspekula  
 Schema für Maßangaben bei Spekula  
 Vaginal specula  
 How to measure vaginal specula



BRAUN

**EL550R**

56 x 13 mm  
 180 mm, 7"



BRAUN

**EL551R**

60 x 10 mm  
 180 mm, 7"

EL





## Scheidenspekula – Vaginal Specula

Scheidenspekula für Kinder und Jungfrauen  
Vaginal Specula for Children and Virgins

EL



MILLIMETERS



MATHIEU

EL558R

95 x 17 - 30 mm  
210 mm, 8 1/4"



MATHIEU

EL559R

95 x 17 - 26 mm  
passend zu EL558R  
fitting EL558R  
210 mm, 8 1/4"

# Scheidenspekula – Vaginal Specula

Scheidenspekula

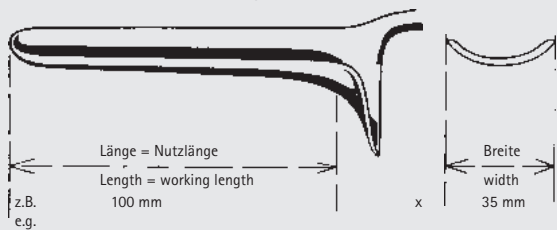
Vaginal Specula

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



z.B.  
e.g.



**EL578R**

89 x 38 mm



**EL579R**

102 x 38 mm

leicht hohl  
slightly concave



JACKSON

**EL578R-EL579R**

175 mm, 7"



**EL627R**

60 x 45 mm



**EL628R**

90 x 45 mm



**EL629R**

112 x 45 mm



DOYEN

**EL627R-EL629R**

235 mm, 9 1/4"

EL





## Scheidenspekula – Vaginal Specula

Scheidenspekula  
Vaginal Specula

73



DOYEN

EL631R-EL644R

240 mm, 9 1/2"

	Länge Length	Breite Width
EL631R	60 mm	35 mm
EL632R	90 mm	35 mm
EL633R	120 mm	35 mm
EL634R	60 mm	45 mm
EL635R	90 mm	45 mm
EL636R	120 mm	45 mm
EL637R	60 mm	60 mm
EL638R	90 mm	60 mm
EL639R	120 mm	60 mm
EL642R	160 mm	45 mm
EL644R	160 mm	60 mm



LANDON

EL660R

89 x 25 mm  
195 mm, 7 3/4"



MILLIMETERS

# Scheidenspekula – Vaginal Specula

Scheidenspekula

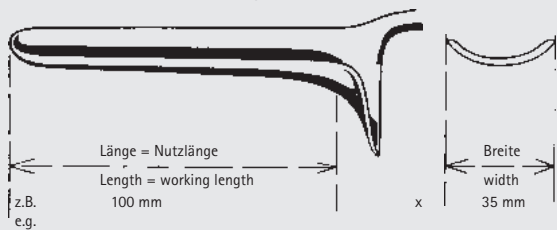
Vaginal Specula

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



EASTMAN

EL581R

89 x 38 mm  
175 mm, 7"



HEANEY

EL865R

83 x 29 mm  
170 mm, 6 3/4"

EL





## Scheidenspekula – Vaginal Specula

Scheidenspekula  
Vaginal Specula

73



LANDAU

EL690R 100 x 28 mm

EL691R 110 x 38 mm

290 mm, 11 1/2"



BREISKY

EL703R 100 x 20 mm

EL704R 100 x 25 mm

EL705R 100 x 30 mm

EL707R 100 x 35 mm

EL708R 100 x 40 mm

Wiener Modelle

Vienna patterns

300 mm, 12"



BREISKY

EL693R 130 x 20 mm

EL694R 130 x 25 mm

EL695R 130 x 30 mm

EL697R 130 x 35 mm

EL698R 130 x 40 mm

Wiener Modelle

Vienna patterns

320 mm, 12 3/4"



BREISKY

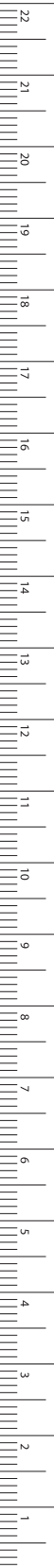
EL700R 160 x 40 mm

EL702R 180 x 40 mm

Wiener Modelle

Vienna patterns

350 mm, 14"



MILLIMETERS

# Scheidenspekula – Vaginal Specula

Scheidenhalter und Wundhaken

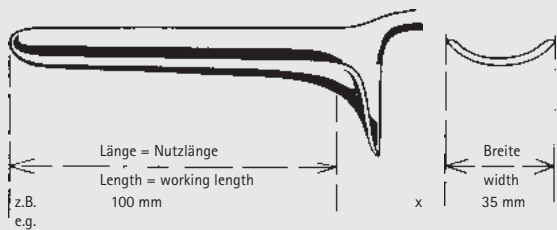
Vaginal- and Wound Retractors

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



WEISSBARTH

EL720C 80 x 28 mm

EL721C 85 x 42 mm

210 mm, 8 1/4 "

EL722C

abnehmbares Auffangsieb  
allein  
removable strainer only



DOYEN

EL859R

60 x 30 mm  
seitliches Spekulum  
lateral speculum

1/2 230 mm, 9"



DOYEN

EL860R

80 x 30 mm  
seitliches Spekulum  
lateral speculum

1/2 250 mm, 10"

EL



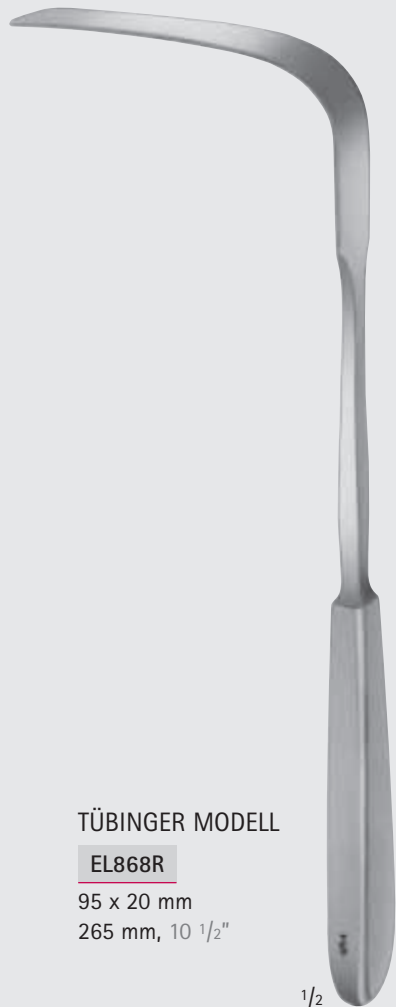




## Scheidenspekula – Vaginal Specula

Scheidenhalter und Wundhaken  
Vaginal- and Wound Retractors

73

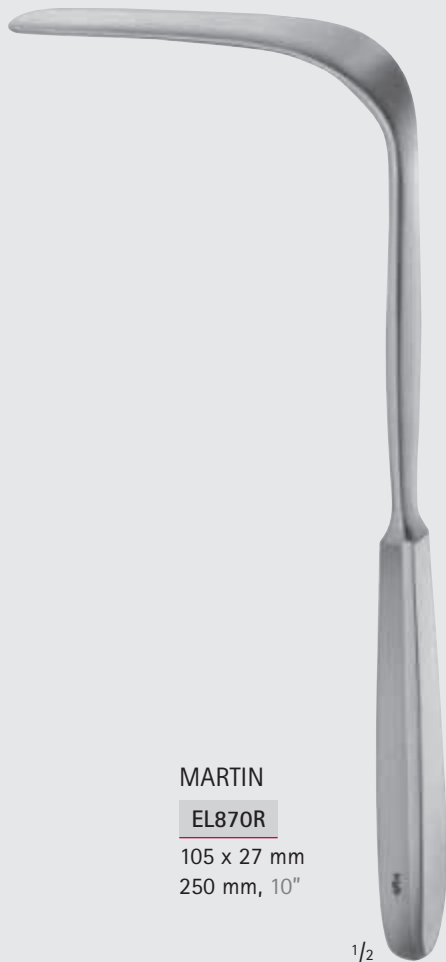


TÜBINGER MODELL

EL868R

95 x 20 mm  
265 mm, 10 1/2"

1/2



MARTIN

EL870R

105 x 27 mm  
250 mm, 10"

1/2



SIMON

EL873R

115 x 26 mm  
275 mm, 10 3/4" 1/2



SIMON

EL872R

115 x 22 mm  
275 mm, 10 3/4"

1/2



MILLIMETERS

# Scheidenspekula – Vaginal Specula

Scheidenspekula

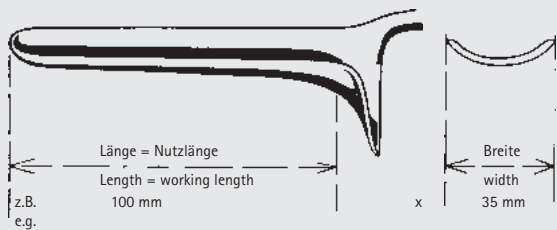
Vaginal Specula

Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



AUVARD

**EL736R**

65 x 38 - 28 mm

1,530 kg = 3 lbs. 6 oz.  
mit abnehmbarem Gewicht  
1.530 kg = 3 lbs. 6 oz.  
with detachable weight  
230 mm, 9"



AUVARD

**EL738R** 75 x 42 - 40 mm

**EL739R** 105 x 43 - 40 mm

1,470 kg = 3 lbs. 4 oz.  
mit abnehmbarem Gewicht  
1.470 kg = 3 lbs. 4 oz.  
with detachable weight  
230 mm, 9"



## Scheidenspekula – Vaginal Specula

Scheidenspekula  
Vaginal Specula

73



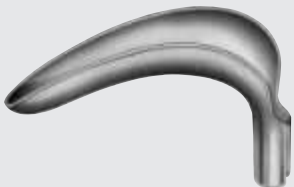
**EL741R**

80 x 30 mm



**EL744R**

55 x 40 - 60 mm



**EL742R**

85 x 35 mm

**EL745R**

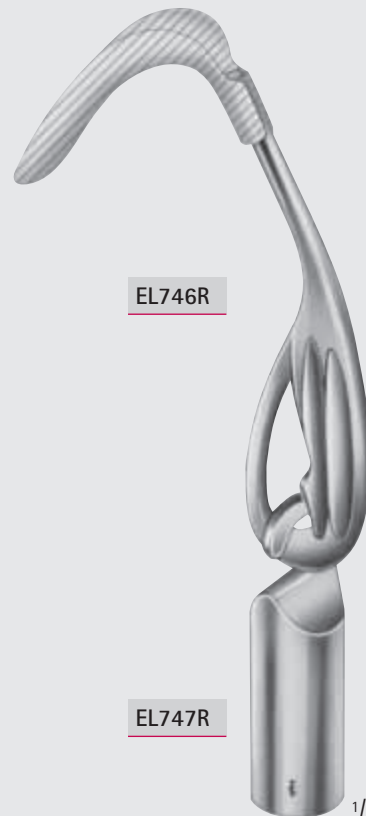
70 x 45 - 70 mm

**EL748R**



**EL743R**

85 x 40 mm



**EL746R**

**EL747R**

1/3

Die Blätter sind austauschbar.  
Sie passen sowohl auf den Griff EL746R,  
als auch auf die Griffe EL759R und EL760R,  
siehe Seite 658

The blades can be exchanged.  
They fit handle EL746R as well as  
handles EL759R and EL760R,  
see page 658

### SCHERBACK

**EL740R**

Satz, bestehend aus:

Griff (EL746R)

Gewicht (EL747R)

4 Blätter (EL741R - EL744R)

Set, consisting of:

Handle (EL746R)

Weight (EL747R)

4 Blades (EL741R - EL744R)

MILLIMETERS

# Scheidenspekula – Vaginal Specula

## Scheidenspekula

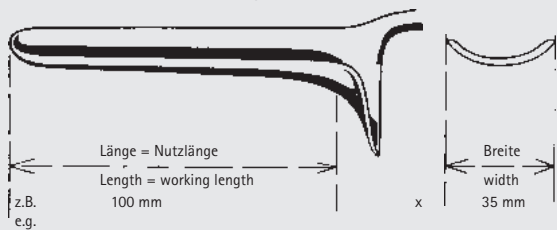
## Vaginal Specula

### Scheidenspekula

Schema für Maßangaben bei Spekula

Vaginal specula

How to measure vaginal specula



**EL755R**

80 x 30 mm



**EL751R**

65 x 30 mm



**EL756R**

85 x 33 mm



**EL752R**

75 x 35 mm



**EL757R**

100 x 38 mm



**EL753R**

85 x 35 mm



**EL758R**

110 x 42 mm



**EL754R**

95 x 35 mm



$\frac{1}{3}$

**EL759R**

230 mm, 9"



$\frac{1}{3}$

**EL760R**

220 mm, 8  $\frac{3}{4}$ "

Die Blätter sind austauschbar.

Sie passen sowohl auf den Griff EL746R,  
als auch auf die Griffe EL759R und EL760R

The blades can be exchanged.

They fit handle EL746R as well as  
handles EL759R and EL760R



Scheidenspekula – Vaginal Specula  
Vulva-Spreizer  
Vaginal Retractor

73



JOLL (FRIEDMANN)

**BV087R**

155 mm, 6"



GELPI

**BV996R**

135 mm, 5 1/4"



GELPI

**BV997R**

175 mm, 7"



MILLIMETERS



INCHES

EM



Uterus-Dilatatoren  
Uterine Dilators

## Uterus-Dilatatoren – Uterine Dilators

Uterus-Dilatatoren

Uterine Dilators

EM



1/2

EM101R	1 mm	EM114R	14 mm	EM131R	1 1/2 mm	EM144R	14 1/2 mm
EM102R	2 mm	EM115R	15 mm	EM132R	2 1/2 mm	EM145R	15 1/2 mm
EM103R	3 mm	EM116R	16 mm	EM133R	3 1/2 mm	EM146R	16 1/2 mm
EM104R	4 mm	EM117R	17 mm	EM134R	4 1/2 mm	EM147R	17 1/2 mm
EM105R	5 mm	EM118R	18 mm	EM135R	5 1/2 mm		
EM106R	6 mm	EM119R	19 mm	EM136R	6 1/2 mm		
EM107R	7 mm	EM120R	20 mm	EM137R	7 1/2 mm		
EM108R	8 mm	EM121R	21 mm	EM138R	8 1/2 mm		
EM109R	9 mm	EM122R	22 mm	EM139R	9 1/2 mm		
EM110R	10 mm	EM123R	23 mm	EM140R	10 1/2 mm		
EM111R	11 mm	EM124R	24 mm	EM141R	11 1/2 mm		
EM112R	12 mm	EM125R	25 mm	EM142R	12 1/2 mm		
EM113R	13 mm	EM126R	26 mm	EM143R	13 1/2 mm		

HEGAR

EM101R-EM147R

mit stark konischer Spitze

with very conical point

185 mm, 7 1/4"



1/2

EM231R	1 + 2 mm
EM232R	3 + 4 mm
EM233R	5 + 6 mm
EM234R	7 + 8 mm
EM235R	9 + 10 mm
EM236R	11 + 12 mm
EM237R	13 + 14 mm
EM238R	15 + 16 mm
EM239R	17 + 18 mm

HEGAR

EM231R-EM239R

195 mm, 7 3/4"





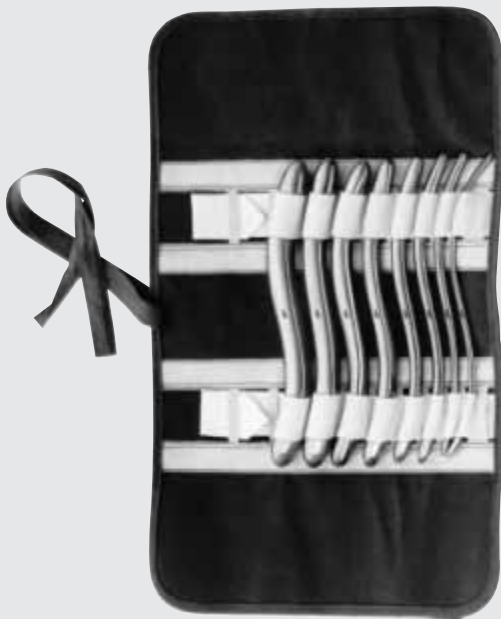
## Uterus-Dilatatoren – Uterine Dilators

Uterus-Dilatatoren  
Uterine Dilators

EM



MILLIMETERS



HEGAR

EM244R

Uterus-Dilatatoren,  
in Segeltuchtasche (EM245),  
mit 8 Dilatoren (EM232R-EM239R)

Uterine dilator set,  
in canvas roll (EM245),  
with 8 dilators (EM232R-EM239R)



EM271R 13 - 15 Char.

EM272R 17 - 19 Char.

EM273R 21 - 23 Char.

EM274R 25 - 27 Char.

EM275R 29 - 31 Char.

EM276R 33 - 35 Char.

EM277R 37 - 39 Char.

EM278R 41 - 43 Char.

PRATT

EM271R-EM278R

290 mm, 11 1/2"

1/2

## Uterus-Dilatatoren – Uterine Dilators

Uterus-Dilatatoren – komplette Sätze

Uterine Dilators – Complete Sets



HEGAR

**EM193R**

Dilatatoren-Satz,  
bestehend aus:

EM104R-EM117R	14 Dilatatoren
EM097R	1 Lagerungssieb für Dilatatoren 4-12 mm
EM098R	1 dto. für Dilatatoren 13-17 mm
JG161R	1 Metalletui allein, mit Scharnierdeckel, 200 x 100 x 35 mm, nichtrostend

Dilator set,  
consisting of:

EM104R-EM117R	14 Dilators
EM097R	1 Rack for dilators 4-12 mm
EM098R	1 Rack for dilators 13-17 mm
JG161R	1 Metal case only, with hinged lid, 200 x 100 x 35 mm, stainless,



HEGAR

**EM194R**

Dilatatoren-Satz,  
bestehend aus:

EM101R-EM126R	26 Dilatatoren
EM099R	1 Lagerungssieb für Dilatatoren 1-17 mm
EM100R	1 dto. für Dilatatoren 18-26 mm
JG170R	1 Metalletui allein, mit Alu-Scharnierdeckel, 330 x 220 x 80 mm

Dilator set,  
consisting of:

EM101R-EM126R	26 Dilators
EM099R	1 Rack for dilators 1-17 mm
EM100R	1 Rack for dilators 18-26 mm
JG170R	1 Metal case only, with hinged lid of aluminium, 330 x 220 x 80 mm



## Uterus-Dilatatoren – Uterine Dilators

### Sterilgutlagertechnik für Dilatatoren

### Suggestions for Sterile Storage of Dilators

EM



Weitere Informationen finden Sie in unserem Prospekt C404.  
For further details see brochure No. C404.

#### Gleitschieber-Halterung

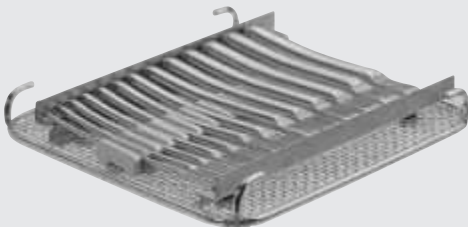
- zur übersichtlichen und zweckmäßigen Lagerung von Dilatatoren, Bougies, Kathetern und dergleichen.
- Schiene und Anschlagrahmen können beliebig in den Siebkörben oder auf den Siebböden angeordnet werden. Die Gleitschieber sind auf der Schiene verschiebbar und werden durch einen Federmechanismus arretiert. Auf Wunsch können die Gleitschieber mit Kennzeichnungen versehen werden.

#### Sliding rail

- with adjustable dividers for clear and suitable storage of dilators, bougies, catheters and suchlike.
- Sliding rail as well as limiting bar can be optionally arranged in the wire baskets or on the wire bases. On the rail the dividers are slidable and are fixed by a spring mechanism. On demand, the dividers can be marked with identifications.

#### Pack- und Lagerungsbeispiele

Examples for arranging and storing



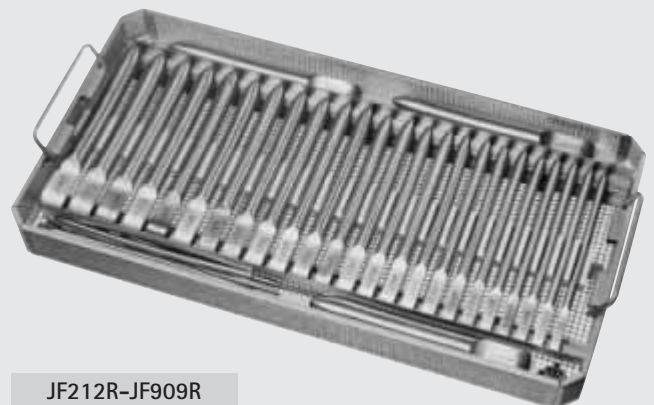
#### JF910R-JF908R

Uterus-Dilatatoren (ca. 12-16 Stück)

- JF910R 1 Siebboden oder
- JF489R 1 Siebkorb
- JF906R 1 Schiene
- JF905 15 Gleitschieber
- JF908R 2 Anschlagrahmen

Uterine dilators (approx. 12-16 pieces)

- JF910R 1 wire base or
- JF489R 1 wire basket
- JF906R 1 sliding rail
- JF905 15 dividers
- JF908R 2 limiting bars



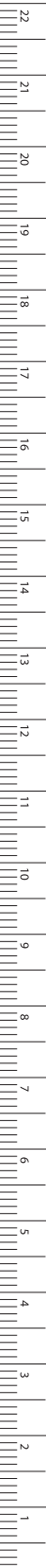
#### JF212R-JF909R

Uterus-Dilatatoren (ca. 26-30 Stück)

- JF212R 1 Siebkorb oder
- JF915R 1 Siebboden
- JF907R 1 Schiene
- JF905 31 Gleitschieber
- JF909R 2 Anschlagrahmen

Uterine dilators (approx. 26-30 pieces)

- JF212R 1 wire basket or
- JF915R 1 wire base
- JF907R 1 sliding rail
- JF905 31 dividers
- JF909R 2 limiting bars



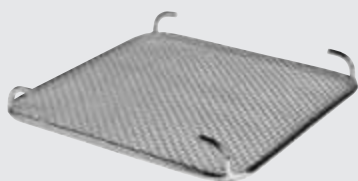
MILLIMETERS

## Uterus-Dilatatoren – Uterine Dilators

Steritgutlagertechnik für Dilatatoren

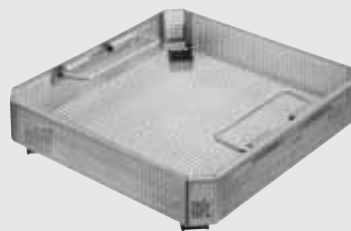
Suggestions for Sterile Storage of Dilators

EM



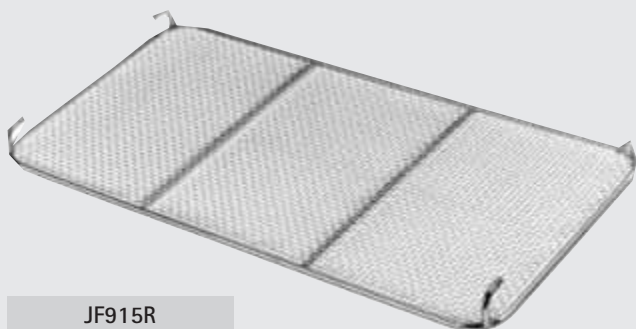
**JF910R**

Siebboden  
mit Griffen zum herausheben  
Wire base  
with handle hooks to lift out  
258 x 258 x 32 mm



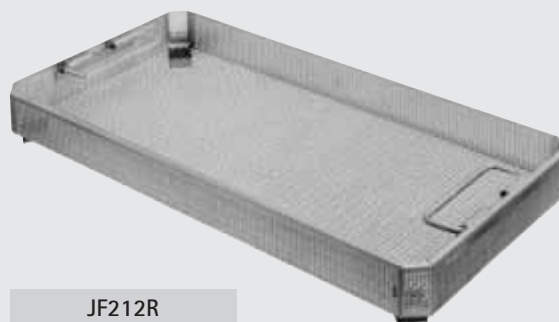
**JF112R**

Siebkorb  
Griffbeweglichkeit 90°,  
senkrecht - waagrecht  
Wire basket  
handles can be moved up to 90° angle,  
vertical - horizontal  
257 x 245 x 50 mm



**JF915R**

Siebboden  
mit Griffen zum herausheben  
Wire base  
with handle hooks to lift out  
544 x 257 x 32 mm



**JF212R**

Siebkorb  
Griffbeweglichkeit 90°,  
senkrecht - waagrecht  
Wire basket  
handles can be moved up to 90° angle,  
vertical - horizontal  
485 x 257 x 50 mm



**JF905**

Gleitschieber  
auf den Schienen JF906R und  
JF907R individuell verschiebbar  
Divider  
to be used on sliding rails  
JF906R and JF907R



Länge  
Length

<b>JF906R</b>	232 mm
<b>JF907R</b>	471 mm

Schiene DBGM  
für Gleitschieber JF905,  
mit Befestigungsschrauben  
Sliding rails DBGM  
with securing screws,  
for divider JF905



Länge  
Length

<b>JF908R</b>	232 mm
<b>JF909R</b>	471 mm

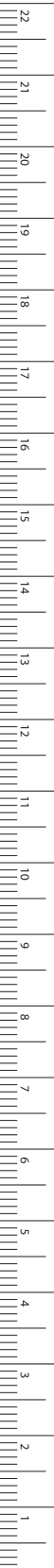
Anschlagrahmen DBGM  
speziell zur Lagerung von Dilatatoren,  
mit Befestigungsschrauben  
Limiting bars DBGM  
with securing screws,  
particularly useful for storing dilators



## Uterus-Dilatatoren – Uterine Dilators

Endospekula für Cervix und Harnröhre  
Endospecula for Cervix and Urethra

EM



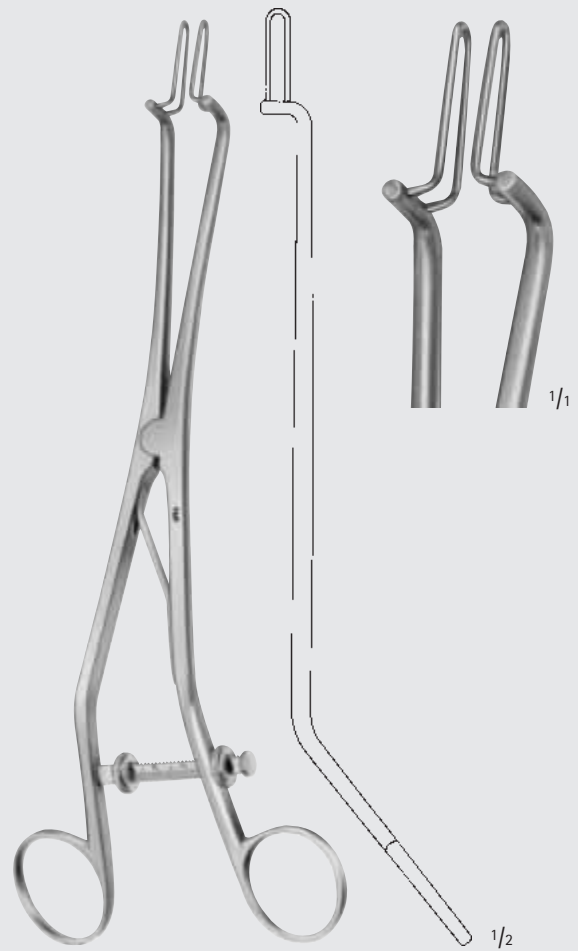
MILLIMETERS



KOGAN

**EM710R**

ohne Sperre  
without ratchet  
240 mm, 9 1/2"



KOGAN

**EM711R**

mit Skalensperre und  
Fixierschraube  
with scale-ratchet and  
fixing screw  
240 mm, 9 1/2"



INCHES

EO



Uterussonden, Tampon-, Haken-,  
Uterusfasszangen  
Uterine Probes, Uterine Dressing-,  
Tenaculum and Uterine Elevating Forceps

## Uterussonden – Uterine Probes

Uterussonden

Uterine Probes

EO



Knopf-Ø 5 mm  
Diam. of tip



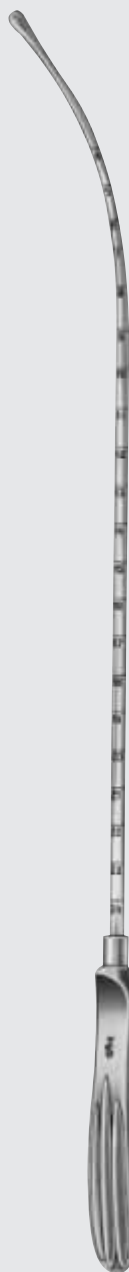
1/2

MAYO

EO005R

biegsam  
malleable  
330 mm, 13 1/8"

Knopf-Ø 4 mm  
Diam. of tip



1/2

SIMS

EO010R

330 mm, 13"

EO012R

biegsam  
malleable  
330 mm, 13"

Knopf-Ø 3,6 mm  
Diam. of tip



1/2

GALABINS

EO013R

Schaft graduiert in cm,  
biegsam

Schaft graduated in cm,  
malleable  
295 mm, 11 3/4"

Knopf-Ø 3 mm  
Diam. of tip



1/2

MARTIN

EO015R

300 mm, 12"





## Uterussonden – Uterine Probes Uterussonden, Uterus-Depressor Uterine Probes, Uterine Depressor

EO

Knopf-Ø 4 mm  
Diam. of tip



VALLEIX

EO016R

graduiert,  
mit Schieber  
graduated,  
with slider  
250 mm, 10"

Knopf-Ø 4 mm  
Diam. of tip



SIMPSON

EO020

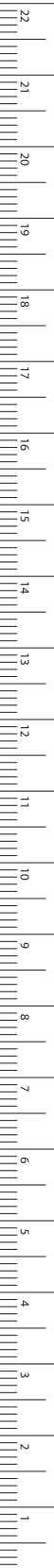
biegsam,  
versilbert  
malleable,  
silver-plated  
310 mm, 12 1/4"



BRAUN

EO030R

Uterus-Depressor  
Uterine depressor  
270 mm, 10 3/4"



MILLIMETERS

## Uterussonden – Uterine Probes

Tamponzangen

Uterine Dressing Forceps

EO



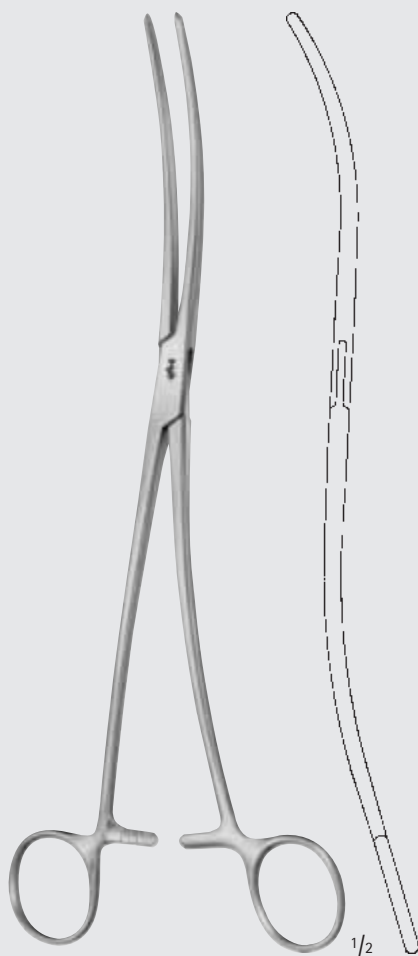
**EO060R**  
gerade  
straight

**EO061R**  
gebogen  
curved

PELMANN

**EO060R-EO061R**

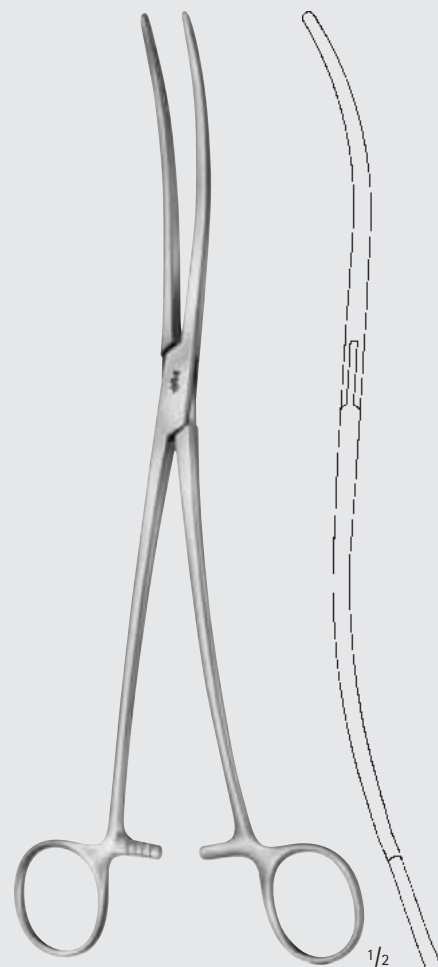
260 mm, 10 1/4"



BOZEMANN

**EO075R**

250 mm, 10"



BOZEMANN

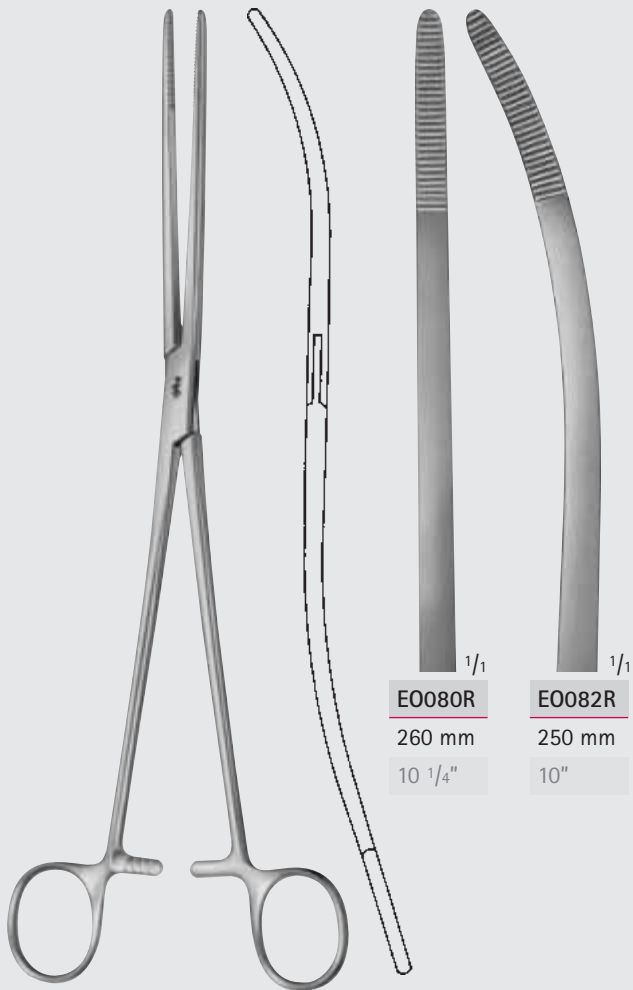
**EO077R**

Maul mit Längskehle  
Jaws with longitudinal groove  
255 mm, 10"



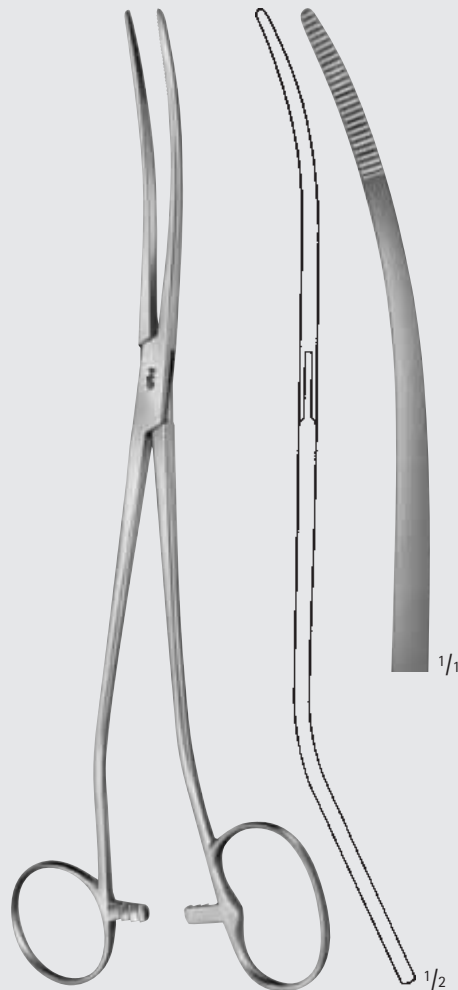
Uterussonden – Uterine Probes  
Tamponzangen  
Uterine Dressing Forceps

EO

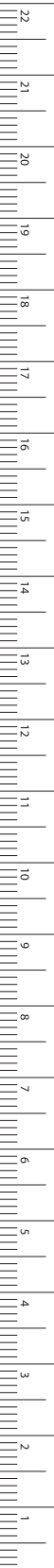


EO080R 260 mm 10 1/4"	1/1	EO082R 250 mm 10"	1/1
-----------------------------	-----	-------------------------	-----

BOZEMANN  
EO080R-EO082R



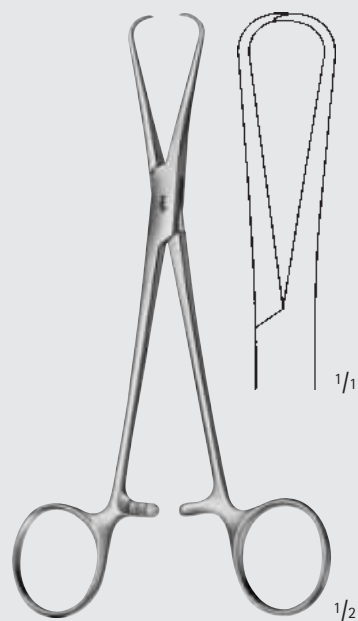
BOZEMANN-DOUGLAS  
EO085R  
260 mm, 10 1/4"



MILLIMETERS

**Uterussonden – Uterine Probes**  
Hakenzangen  
Uterine Tenaculum Forceps

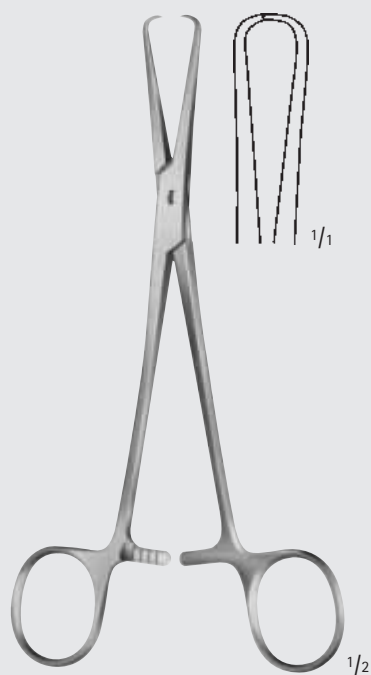
EO



**BERNHARD**

**BF426R**

160 mm, 6 1/4"



**POZZI**

**EO105R**

175 mm, 7"



**ADAIR**

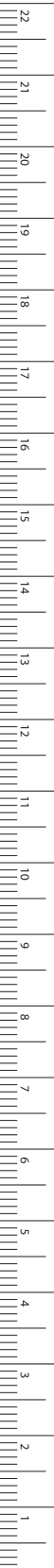
**EO106R**

190 mm, 7 1/2"



**Uterussonden – Uterine Probes**  
Hakenzangen  
Uterine Tenaculum Forceps

**EO**



MILLIMETERS



**BRAUN**

**EO108R**

feines Modell  
slender pattern  
250 mm, 10"



**COLLIN-POZZI**

**EO122R**

250 mm, 10"



**SCHRÖDER**

**EO110R**

Standard Modell  
Standard pattern  
250 mm, 10"

## Uterussonden – Uterine Probes

Hakenzangen

Uterine Tenaculum Forceps

EO



SCHRÖDER

EO111R

250 mm, 10"



WILSON

EO112R

240 mm, 9 1/2"



POZZI

EO125R

kräftiges Modell  
heavy pattern  
255 mm, 10"

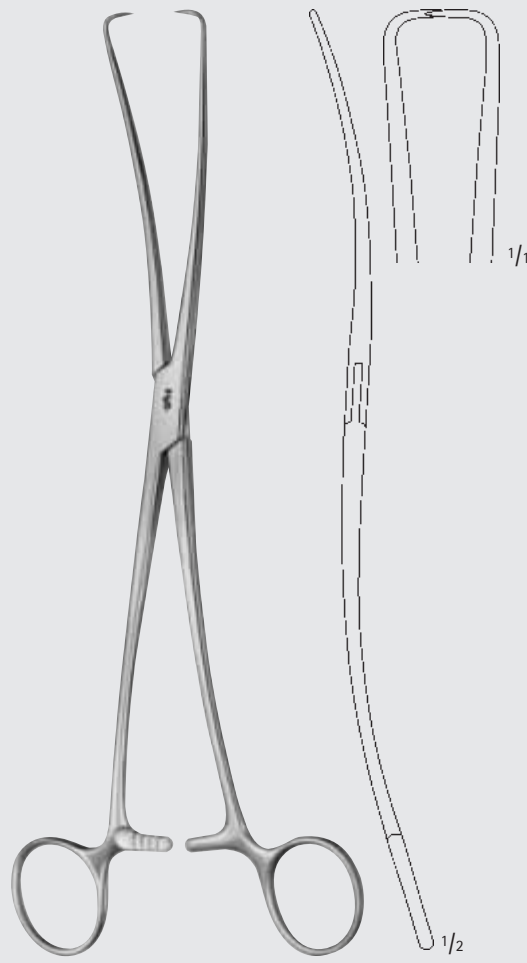


**Uterussonden – Uterine Probes**  
Hakenzangen  
Uterine Tenaculum Forceps

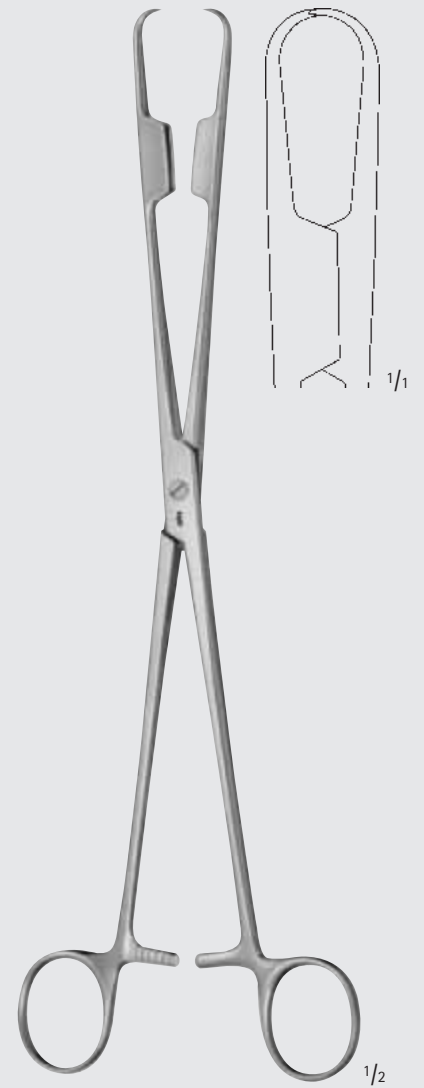
**EO**



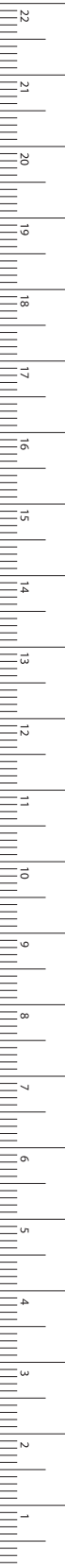
**MARTIN**  
**EO115R**  
265 mm, 10 1/2"



**DUPLAY**  
**EO130R**  
250 mm, 10"



**ABEL**  
**EO140R**  
280 mm, 11"



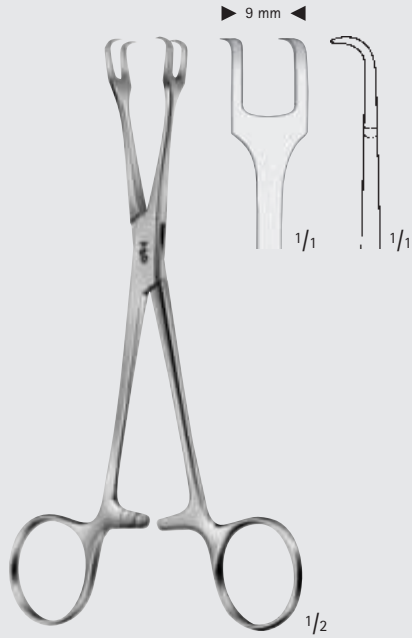
MILLIMETERS

# Uterussonden – Uterine Probes

## Hakenzangen

### Uterine Tenaculum Forceps

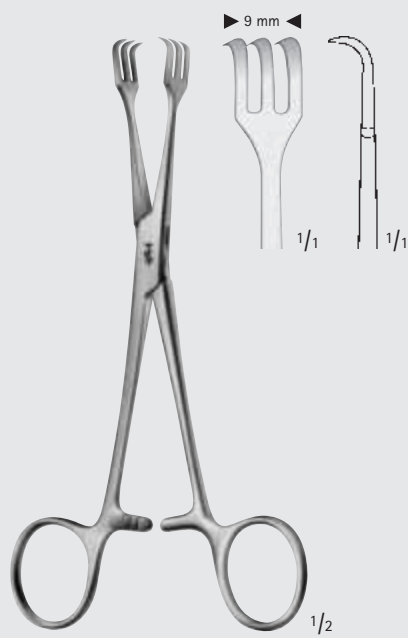
EO



LAHEY

**BF309R**

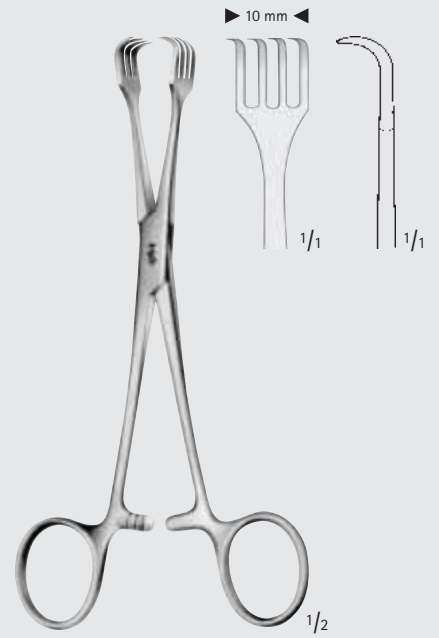
155 mm, 6"



LAHEY

**BF310R**

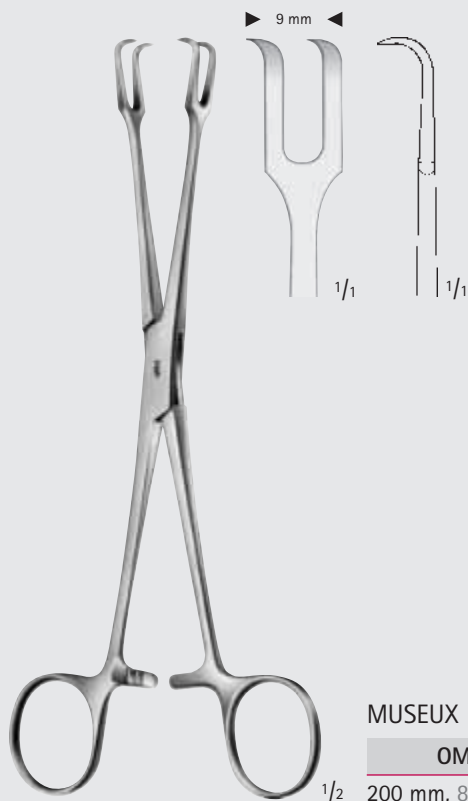
155 mm, 6"



BRAUN

**BF311R**

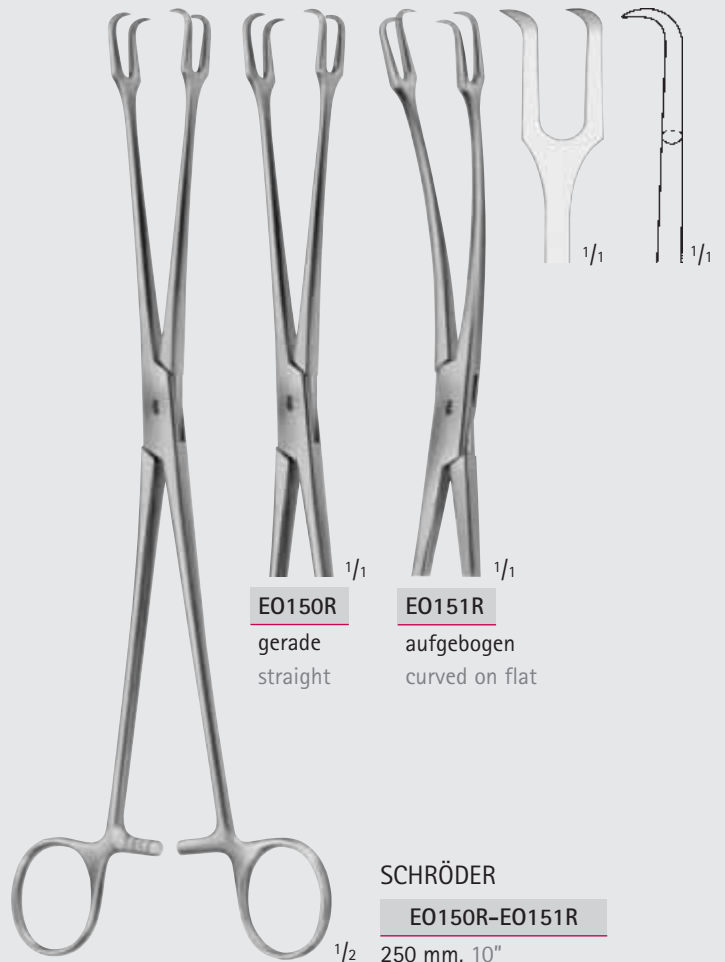
155 mm, 6"



MUSEUX

**OM602R**

200 mm, 8"



**EO150R**

gerade  
straight

**EO151R**

aufgebogen  
curved on flat

SCHRÖDER

**EO150R-EO151R**

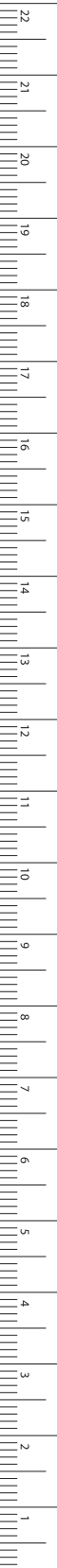
250 mm, 10"





**Uterussonden – Uterine Probes**  
Hakenzangen  
Uterine Tenaculum Forceps

**EO**



MILLIMETERS



**CZERNY**

**EO164R**

200 mm, 8"



**SCHRÖDER**

**EO163R**

270 mm, 10 3/4"

**Uterussonden – Uterine Probes**  
Hakenzangen  
Uterine Tenaculum Forceps

**EO**



AESCULAP-PRATT

EO165R

260 mm, 10 1/4"



PRATT

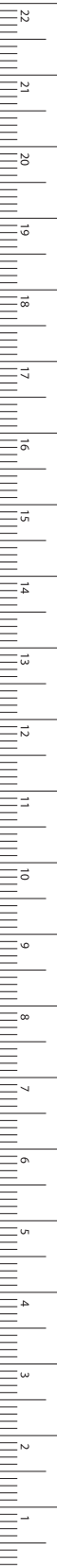
EO166R

270 mm, 10 3/4"



**Uterussonden – Uterine Probes**  
Hakenzangen  
Uterine Tenaculum Forceps

**EO**



MILLIMETERS



KÜSTNER

**E0171R**

250 mm, 10"



TEALE

**E0177R**

180 mm, 7"

**Uterussonden – Uterine Probes**  
Hakenzangen  
Uterine Tenaculum Forceps

**EO**



**TEALE**  
**EO180R**  
255 mm, 9"

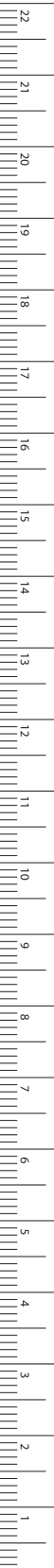


**JACOBS**  
**EO202R**  
215 mm, 8 1/2"



Uterussonden – Uterine Probes  
Hakenzangen  
Uterine Tenaculum Forceps

EO



MILLIMETERS



LITTLEWOOD

EO216R

185 mm, 7 1/4"



MUSEUX

EO218R

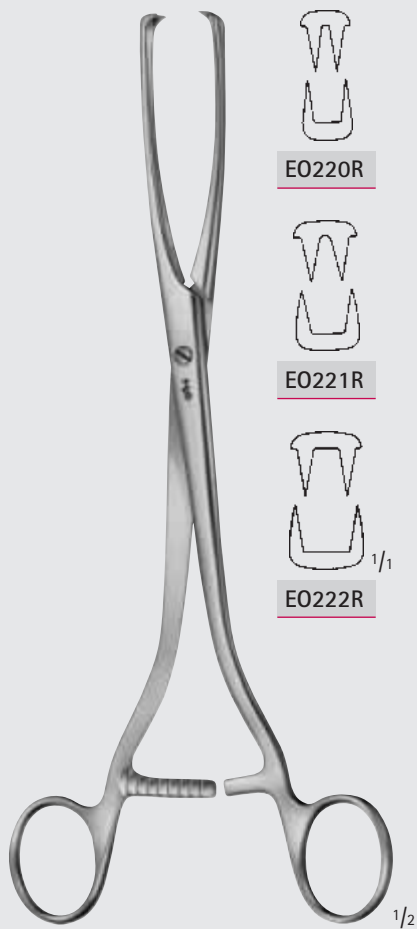
200 mm, 8"

# Uterussonden – Uterine Probes

Hakenzangen

Uterine Tenaculum Forceps

EO



EO220R

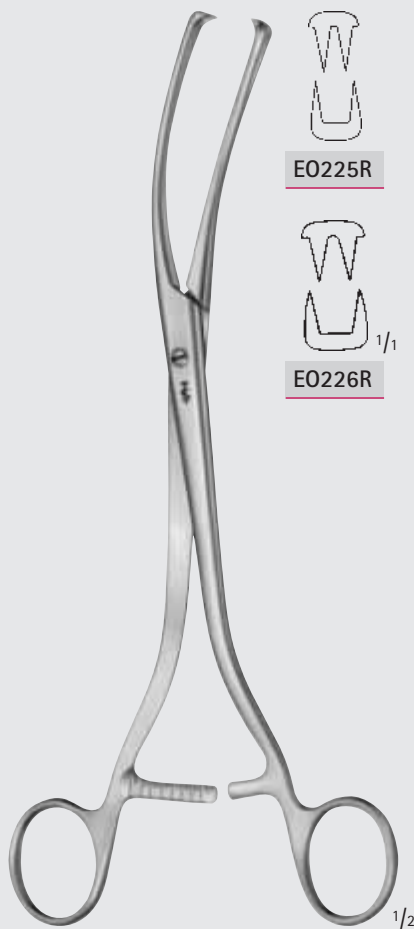
EO221R

EO222R

MUSEUX

EO220R-EO222R

240 mm, 9 1/2"



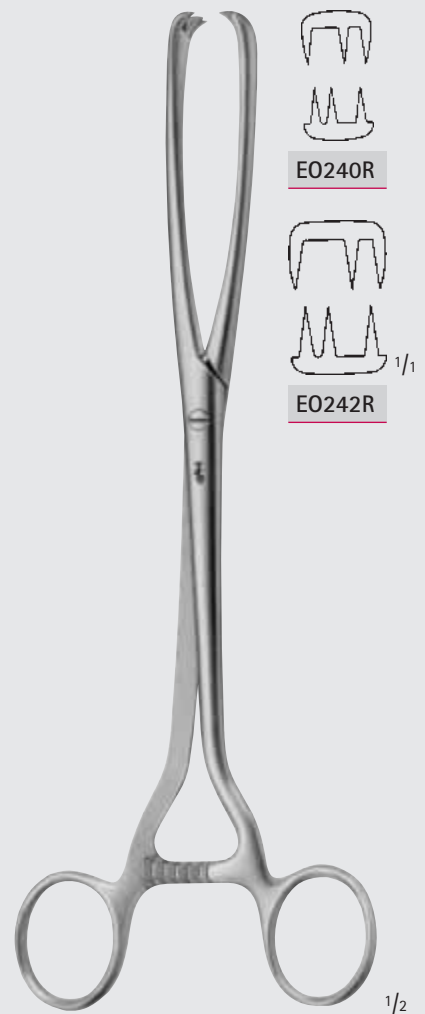
EO225R

EO226R

MUSEUX

EO225R-EO226R

seitwärts gebogen  
curved to side  
240 mm, 9 1/2"



EO240R

EO242R

MUSEUX

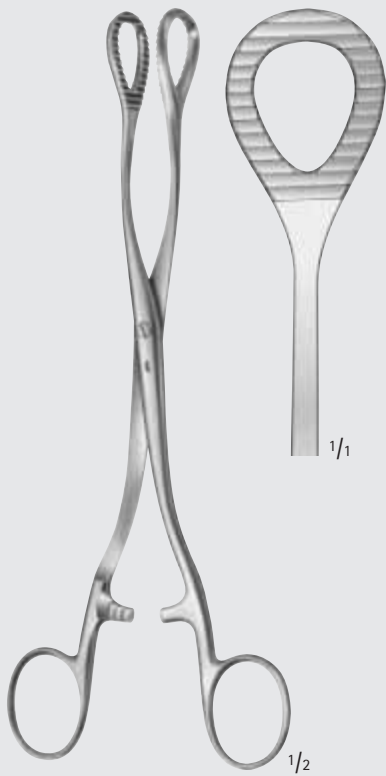
EO240R-EO242R

265 mm, 10 1/2"



**Uterussonden – Uterine Probes**  
Polypen- und Ovarienzangen  
Polypus- and Ovum Forceps

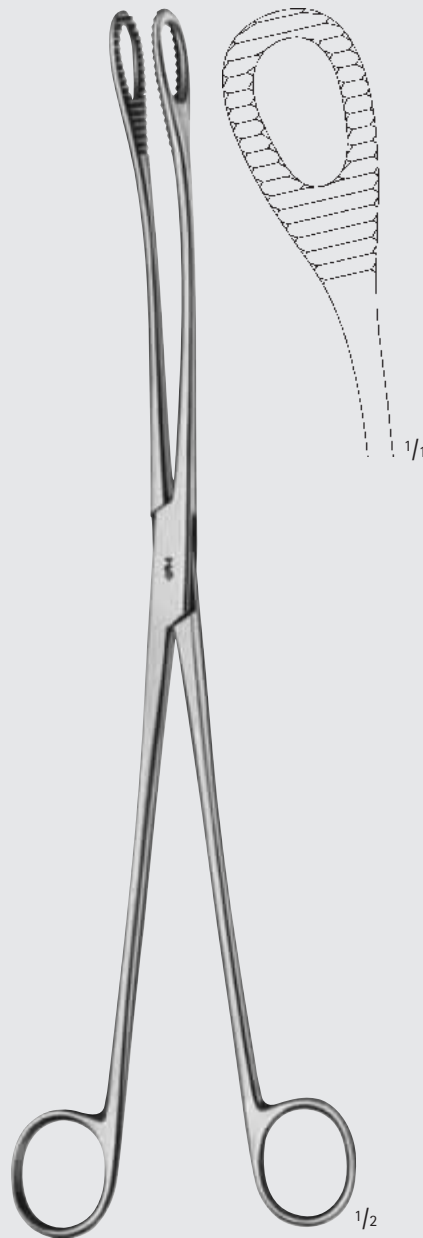
EO



HEYWOOD-SMITH

AN710R

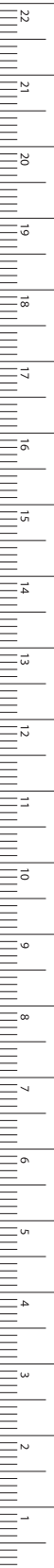
200 mm, 8"



KELLY

BF135R

320 mm, 12 3/4"



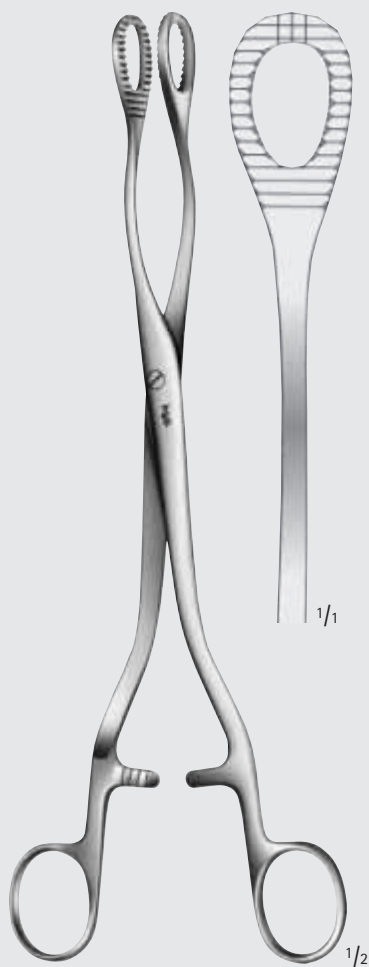
MILLIMETERS

## Uterussonden – Uterine Probes

Polypen- und Ovarienzangen

Polypus- and Ovum Forceps

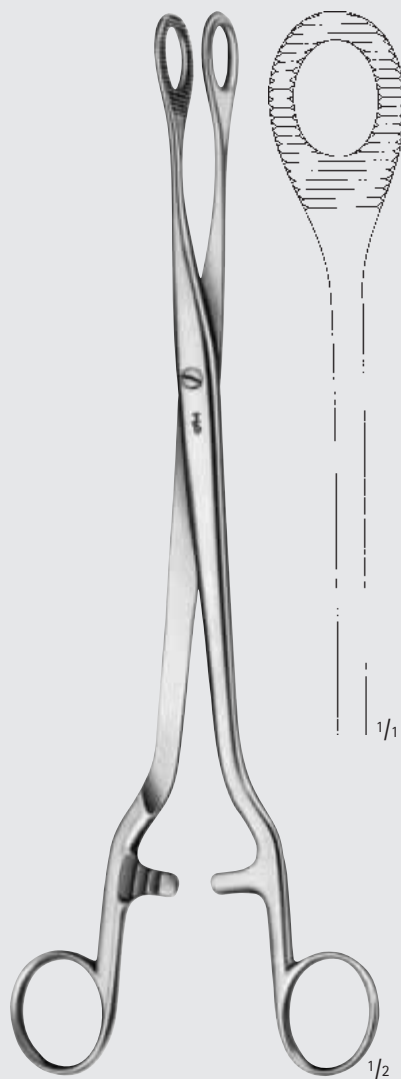
EO



HEYWOOD-SMITH

E0310R

250 mm, 10"



NOTO

E0315R

280 mm, 11"



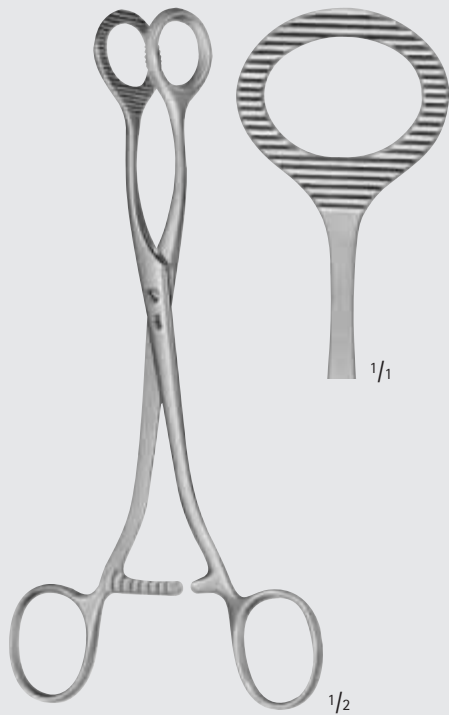


**Uterussonden – Uterine Probes**  
 Polypen- und Ovarienzangen  
 Polypus- and Ovum Forceps

**EO**



MILLIMETERS



DOYEN

**EO332R**

185 mm, 7 1/4"

**AIRAUMATA®**



21 mm      27 mm

**EO338R**

**EO340R**

**EO338R** 250 mm 10"

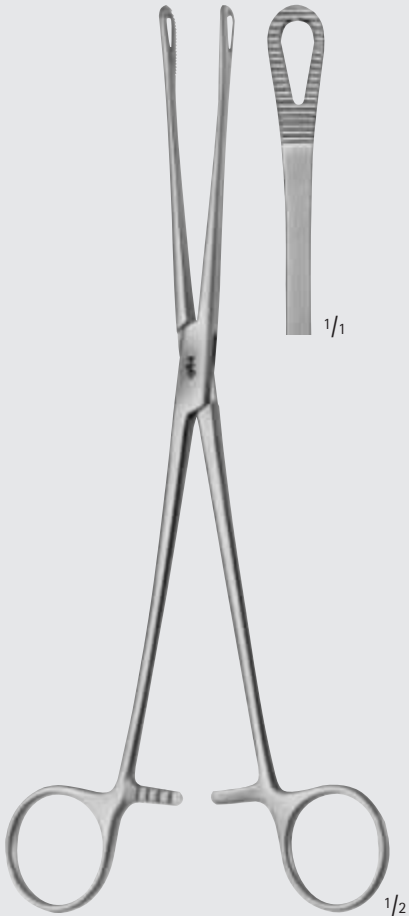
**EO340R** 270 mm 10 3/4"

## Uterussonden – Uterine Probes

Polypen- und Ovarienzangen, Uterusfazzangen

Polypus- and Ovum Forceps, Uterine Elevating Forceps

EO



BONNEY

EO342R

240 mm, 9 1/2"



COLLIN

EO300R

250 mm, 10"



COLLIN

EO405R

285 mm, 11 1/4"



**Uterussonden – Uterine Probes**  
Uterusfazzangen  
Uterine Elevating Forceps

**EO**



1/2

DARTIGUES

**E0407R**

255 mm, 10"



1/2

SOMER

**E0415R**

235 mm, 9 1/4"



mit beweglichen Maulteilen  
with movable jaws

1/2

COLLIN

**E0420R**

265 mm, 10 1/2"

MILLIMETERS

**Uterussonden – Uterine Probes**  
Myomheber  
Myoma Screws

**EO**



DOYEN

**EO433R**

150 mm, 6"



DOYEN

**EO435R**

190 mm, 7 1/2"



## Uterussonden – Uterine Probes

### Modifiziertes Instrumentarium für die Wertheimsche Operation

### Modified Instruments for Radical Hysterectomy

Die Austunnung des blasennahen Ureters und das Absetzen der Parametrien sind die charakteristischen Bestandteile bei der Wertheimschen Operation. Für das Austunneln des Ureters gibt es verschiedene Vorgehensweisen. Das Risiko der Ureter-Verletzung, das allen diesen Vorgehensweisen gemeinsam ist, ist bedingt durch das wiederholte Anklebmen, Spreizen und Durchtrennen von Gewebe in unmittelbarer Nähe des Ureters ohne direkte visuelle Kontrolle. Die Durchtrennung der Parametrien ist ein weiterer kritischer Operationsschritt. Das Durchtrennen der Gewebsbündel ist oft technisch unbefriedigend und hinterläßt gezahnte Resektionsränder. Aesculap hat daher ein Instrumentarium entwickelt, das die oben genannten operativen Schritte sicherer und präziser macht. Das Instrumentarium ermöglicht es dem Chirurgen, den Eingriff sicherer und präziser durchzuführen und daraus folgt ein schonender OP-Verlauf für die Patientin. Das bislang bestehende Risiko von ungewollten Verletzungen bei dieser Radikaloperation beim Zervixkarzinom wird durch das Design der von Aesculap entwickelten Instrumente minimiert.

Tunneling of the ureter and severance of the parametria are the characteristic components of the Wertheim operation. There are various procedures for tunnelling the ureter. The risk of injury to the ureter, which is common to all these procedures, is due to the repeated clamping, separation and severance of tissues in the immediate proximity of the ureter without direct visual monitoring. The severance of the parametria is another critical step in the operation. The severance of the tissue bundles is often technically unsatisfactory and leaves serrated resection edges. Aesculap has therefore developed an instrument set which makes the operating steps mentioned safer and more precise. The instrument set enables the surgeon to carry out the operation more safely and precisely, resulting in a less traumatic operation for the patient. The existing risk of undesired injuries in this radical operation for carcinoma of the cervix is minimized by the design of the instruments developed by Aesculap.

EO



UCHIDA (MODIF. N. BURKE)

BM976R	270 mm	10 3/4"
BM977R	350 mm	14"

Ureterlöffel  
Spoons



BJ075R	BJ076R
235 mm	350 mm
9 1/4"	14"

KIEBACK

BJ075R-BJ076R

Ureter-Tunnelier-Klemmen,  
seitwärts gebogen  
Ureteral tunnel clamps,  
curved to side

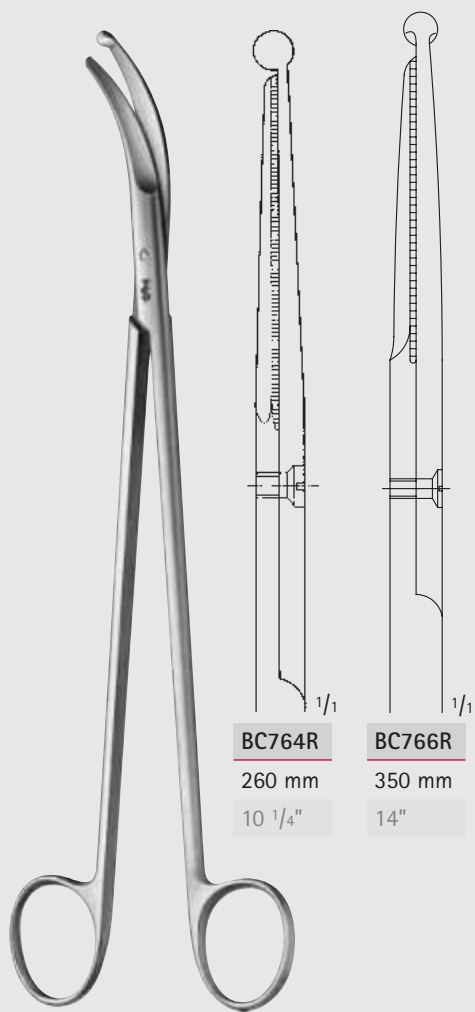
MILLIMETERS

## Uterussonden – Uterine Probes

Modifiziertes Instrumentarium für die Wertheimsche Operation

Modified Instruments for Radical Hysterectomy

EO



**BC764R**

260 mm

10 1/4"

**BC766R**

350 mm

14"

**KIEBACK**

**BC764R-BC766R**

Parametriumscheren, seitwärts gebogen, 1 Blatt mit Knopfspitze  
Parametrium scissors, curved to side, with 1 probe pointed blade



**BJ560R**

250 mm

10"

**BJ562R**

350 mm

14"

**BURKE**

**BJ560R-BJ562R**

Parametriumklemmen, kurzes Maul  
Parametrium clamps, short jaw part



## Uterussonden – Uterine Probes

Modifiziertes Instrumentarium für die Wertheimsche Operation  
Modified Instruments for Radical Hysterectomy

EO



**BJ561R**  
250 mm  
10"

**BJ563R**  
350 mm  
14"

**BURKE**

**BJ561R-BJ563R**

Parametriumklemmen, langes Maul  
Parametrium clamps, long jaw part



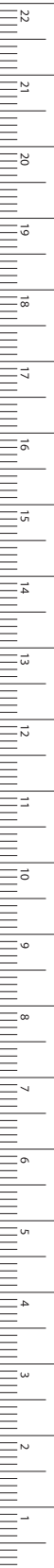
**BC763R**  
240 mm  
9 1/2"

**BC765R**  
350 mm  
14"

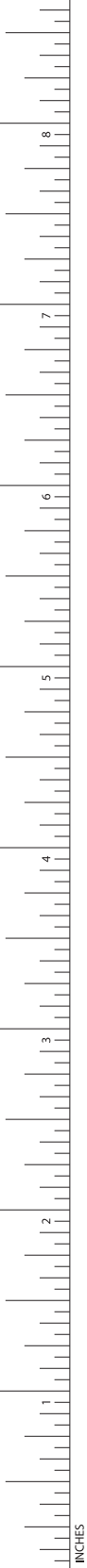
**KIEBACK**

**BC763R-BC765R**

Parametriumscheren  
Parametrium scissors



MILLIMETERS



INCHES



ER



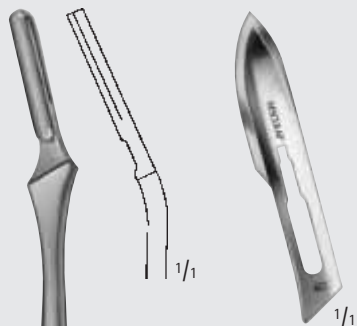
Biopsie- und Kürettage-Instrumente  
Biopsy Instruments and Curettes

## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

### Skalpellgriffe und Skalpellklingen

### Scalpel Handles and Scalpel Blades

ER



#### BB540

auswechselbare Skalpellklingen,  
doppelschneidig  
interchangeable scalpel  
blades, double cutting

Bestelleinheit:

PAK= Packung à 100 Stück

Sales unit:

PAK= Package of 100 pieces

#### BB079R

Skalpellgriff, winklig aufgebogen  
Scalpel handle, angular curved

1/1 225 mm, 9"

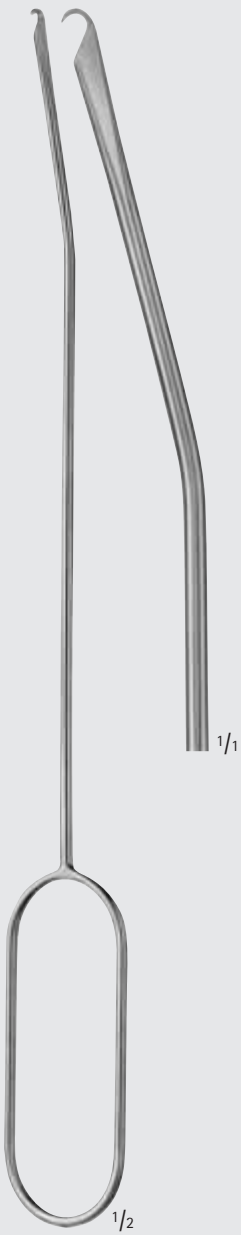




## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

Biopsieküretten, I.U.D.-Entfernungshaken  
Biopsy Curettes, I.U.D. Removing Hook

ER



SAUNDERS

ER002R

I.U.D.-Entfernungshaken  
I.U.D. Removing hook  
320 mm, 12 1/2"

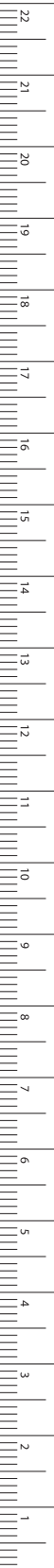
biegsam  
malleable



ASCH

ER005R

Sekretlöffel  
Secretion scoop  
200 mm, 8"



MILLIMETERS

## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

Biopsieküretten

Biopsy Currettes

ER



1/1

Luer-Lock  
Luer-Lock

1/2

**NOVAK-SCHOECKAERT**

**ER011R**

Endometrium-Biopsiekürette  
Endometrial biopsy curette  
240 mm, 9 1/2"



1/1

Luer-Lock  
Luer-Lock

1/2

**RANDALL**

**ER012R**

Endometrium-Biopsiekürette  
Endometrial biopsy curette  
240 mm, 9 1/2"



1/1  
Ø 3,5 mm  
diam. 3.5 mm

1/2

**MOD. BERLIN**

**ER015R**

Endometrium-Strickkürette  
Endometrial biopsy curette  
270 mm, 10 3/4"



1/1  
Ø 4,0 mm  
diam. 4.0 mm

1/2

**MOD. MÜNCHEN**

**ER016R**

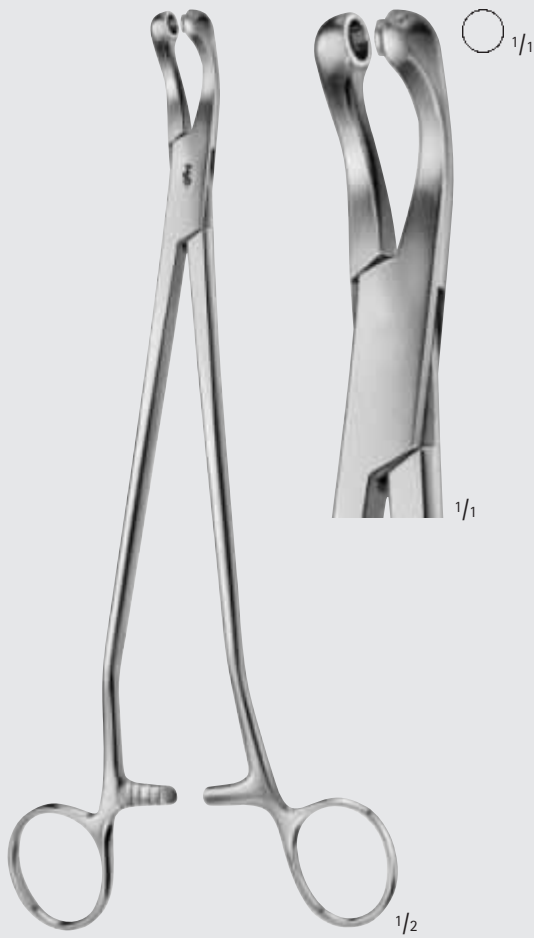
Endometrium-Strickkürette  
Endometrial biopsy curette  
270 mm, 10 3/4"



## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

Biopsiezangen  
Biopsy Forceps

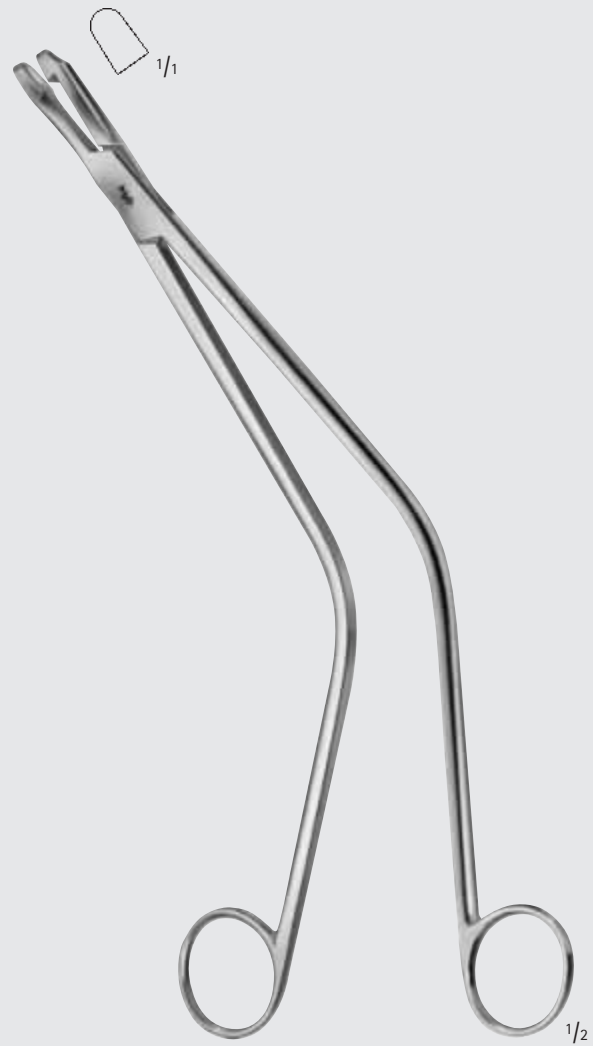
ER



THOMS-GAYLOR

ER050R

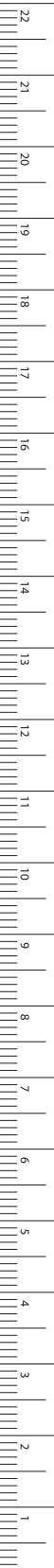
240 mm, 9 1/2"



SCHUBERT

ER058R

260 mm, 10 1/4"



MILLIMETERS

# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

Biopsiezangen

Biopsy Forceps

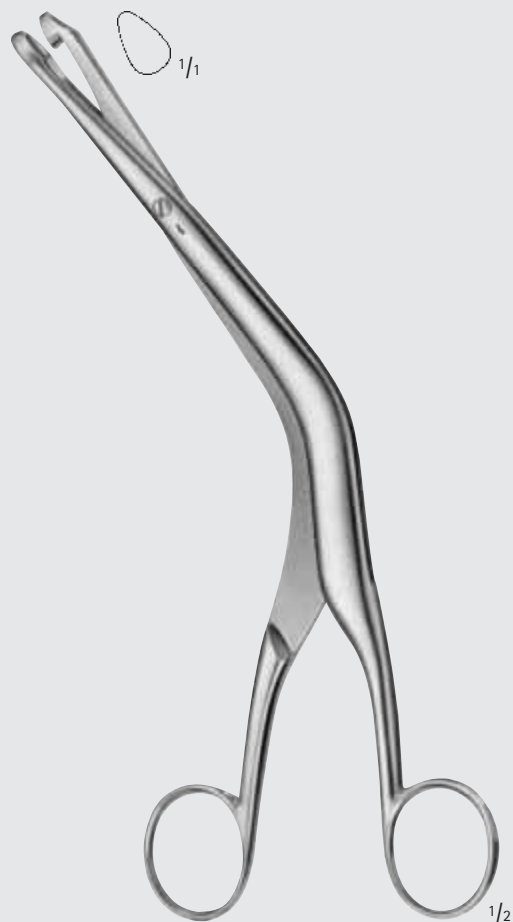
ER



FAURE

ER054R

210 mm, 8 1/4"



FAURE

ER055R

240 mm, 9 1/2"



# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

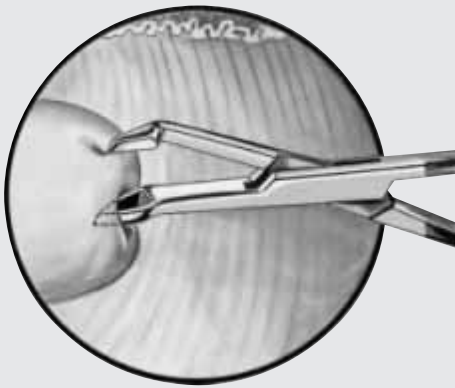
## Biopsiezangen Biopsy Forceps

Vorteile der SCHUMACHER-Zangen:

- Sicheres Erfassen des Gewebes aufgrund des Anhakeeffekts.
- Großer Öffnungswinkel.
- Glatter, ziehender Schnitt.
- Proben werden nicht gequetscht.
- Nicht schmerzhaft, selbstschließende Wunde, gute Heilung.

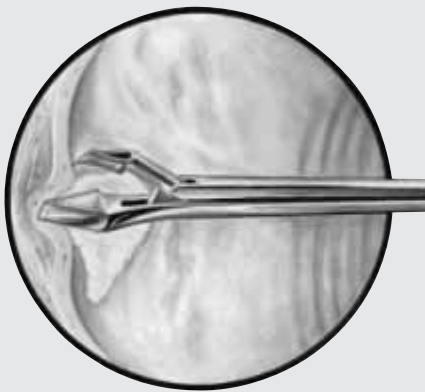
Advantages of the Schumacher forceps:

- More reliable grip on the tissue due to "hooking" effect.
- Wide angle of opening.
- Smooth, steady cut.
- Specimens are not squashed.
- Not painful; self-sealing wound, heals well.



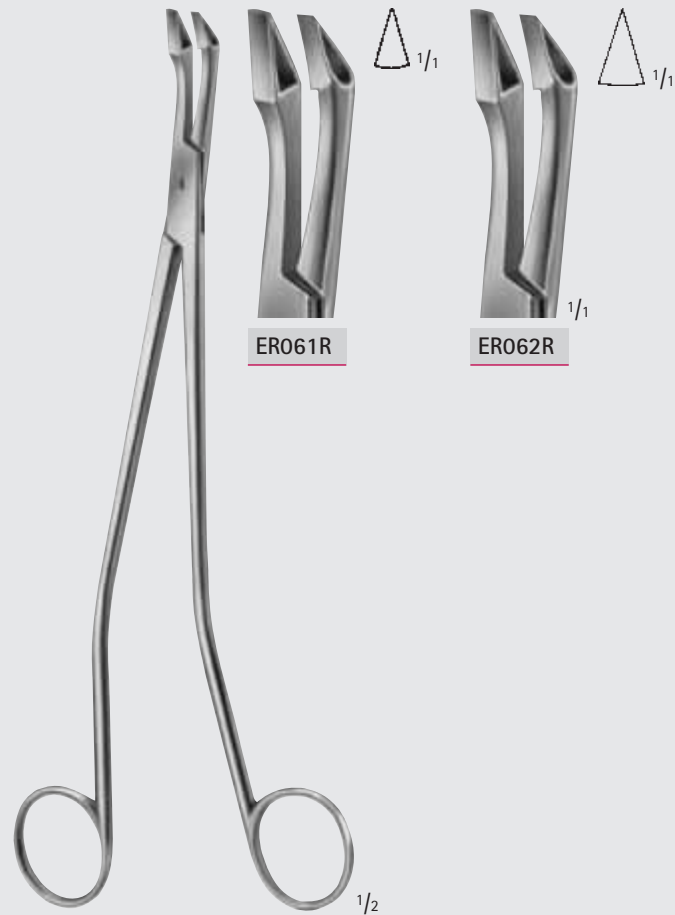
Zange an der Portio vaginalis uteri angesetzt.  
Der gute Anhakeeffekt ist erkennbar.

Forceps applied to the portio vaginalis uteri.  
The excellent hooking effect can be seen.



Zange am narbig veränderten flachen  
Scheidengewölbe angesetzt.

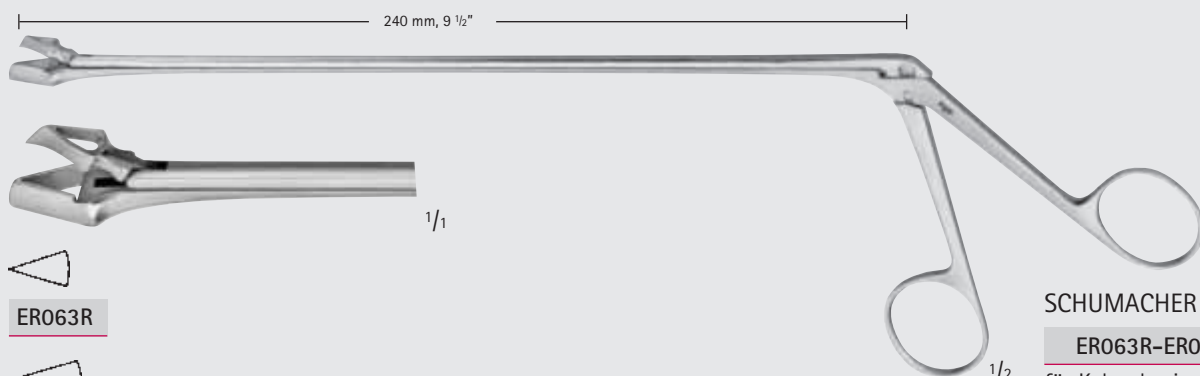
Forceps applied to cicatricially altered flat  
vaginal vault.



SCHUMACHER

ER061R-ER062R

240 mm, 9 1/2"



ER063R

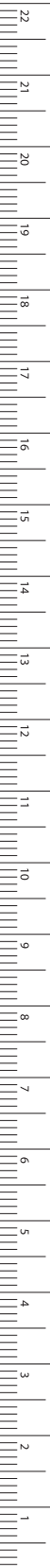
ER064R

SCHUMACHER

ER063R-ER064R

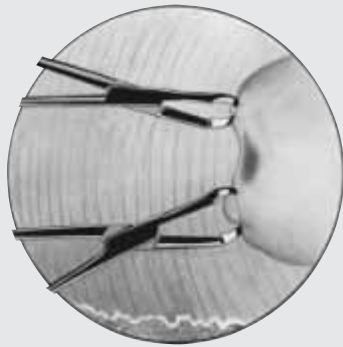
für Kolposkopie geeignet  
suitable for colposcopy  
240 mm, 9 1/2"

ER



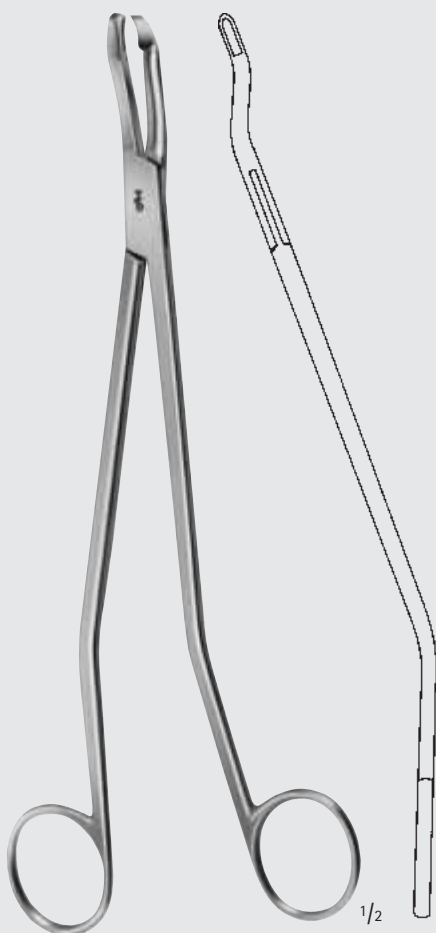
## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

### Biopsiezangen Biopsy Forceps



Die Größe des PE-Stücks wird durch den Öffnungswinkel der Zange bestimmt. Der Anhakeeffekt des gebogenen Zangenmaules ermöglicht eine Gewebeatnahme meist ohne zusätzliche Verwendung einer fixierenden Hakenzange.

The size of the biopsy is determined by the opening angle of the forceps. The hook effect of the curved jaws allows tissue removal and an additional hook forceps is hardly ever necessary.



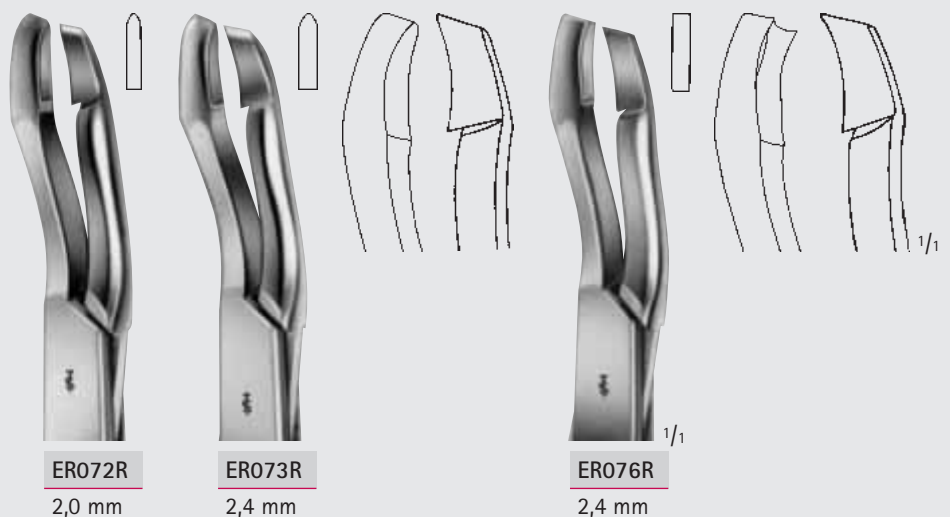
SEIDL DBP

**ER072R-ER076R**

Biopsiezangen, bajonettförmig,  
für Portio, Vagina und Vulva

Biopsy forceps, bayonet-shaped,  
for portio, vagina and vulva

240 mm, 9 1/2"



**ER072R**  
2,0 mm

**ER073R**  
2,4 mm

**ER076R**  
2,4 mm



■ Es stehen zwei Maulformen zur Verfügung:

- a) Gotische Form (verursacht weniger Blutung), 2,0 bzw. 2,4 mm breit
- b) Rechteckige Form, 2,4 mm breit

■ Die glatte, senkrechte Schnittführung durch Epithel und Bindegewebe ermöglicht eine optimale histologische Untersuchung. Das PE-Stück wird seitlich auf einer planen Unterlage (z.B. Kork) fixiert und kann so "schnittgerecht" eingebettet werden. Keine tangentialen Anschnitte!

■ Durch die Bajonettbiegung bleibt die Sicht (mit oder ohne Kolposkop) auf die Portio bzw. das PE-Gebiet frei. Das Ansetzen der Zange kann gut kontrolliert werden.



■ 2 different shapes of the jaw are available:  
a) gothic shape (causes less bleeding)

2.0 resp. 2.4 mm wide

b) rectangular shape, 2.4 mm wide

■ The smooth vertical cut through the epithelium and fibrous tissue allows an immediate histological examination. The biopsy is laterally fixed to a plane support (e.g. cork) and can thus properly be embedded for intersection. No tangential incisions.

■ The bayonet-shape of the forceps does neither obstruct the view to the portio nor to the area of biopsy, no matter whether a colposcope is used or not. Application of the forceps can be well controlled.

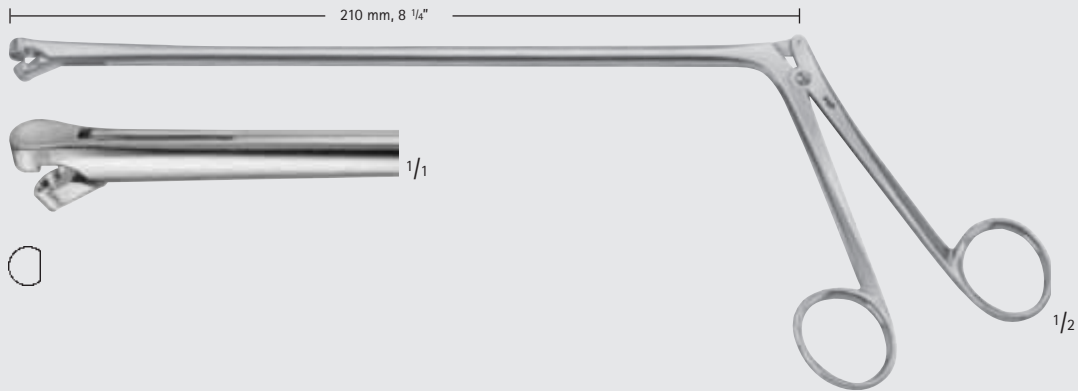




## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

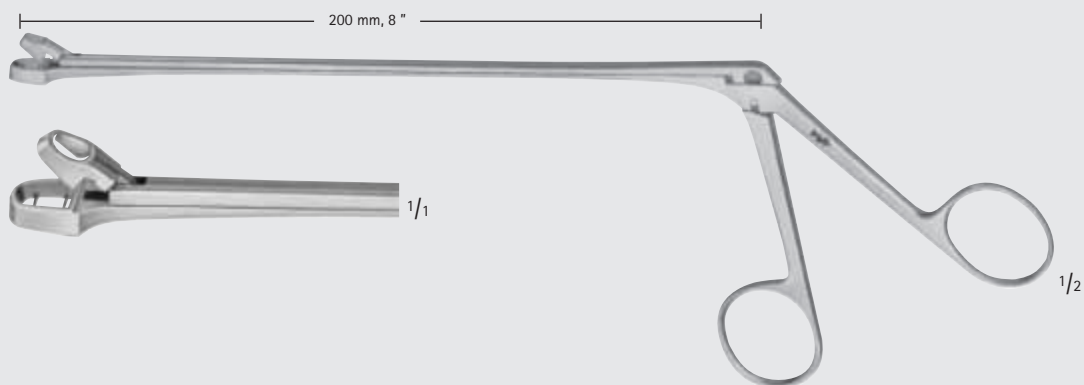
Biopsiezangen  
Biopsy Forceps

ER



BERGER

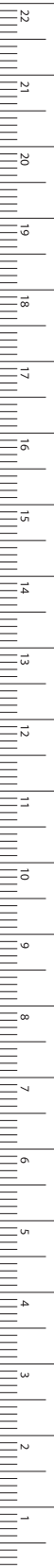
ER066R



EPPENDORF

ER070R

für Kolposkopie geeignet  
suitable for colposcopy



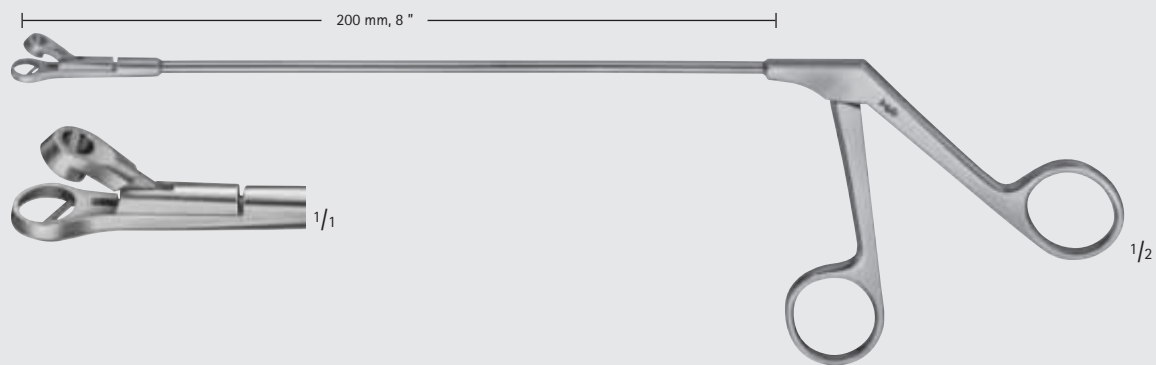
MILLIMETERS

## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

Biopsiezangen

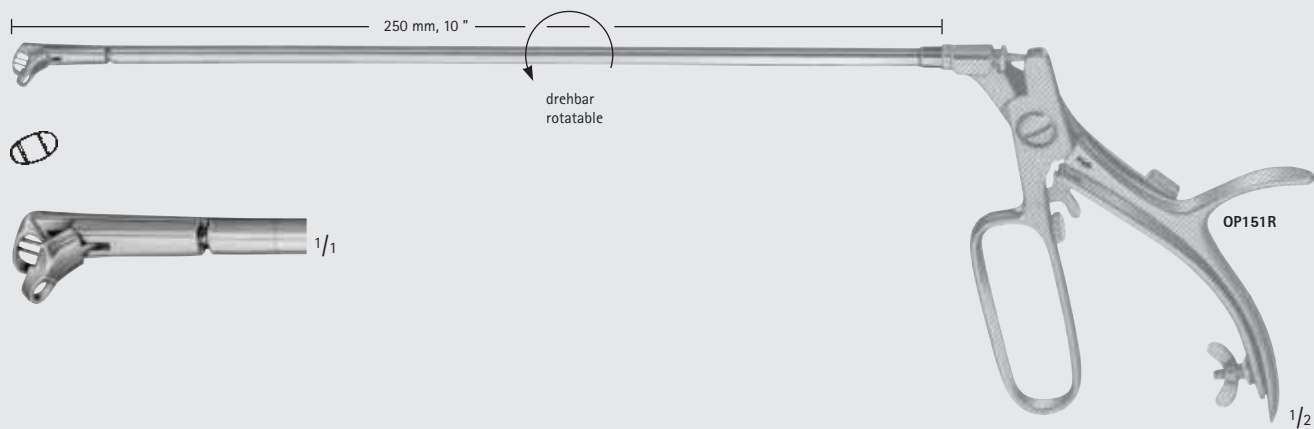
Biopsy Forceps

ER



LEECH-WILKINSON

ER071R



AESCULAP

EA912R

Aufsatz allein  
mit ziehendem Schnitt,  
passend auf Griff OP151R

Attachment only  
with cut beginning from the top,  
suitable for handle OP151R





## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

Biopsiezangen  
Biopsy Forceps

ER



AESCULAP

**OP151R**

Universalgriff  
Universal handle  
140 mm, 5 1/2"



HUBER

**OP152R**

Universalgriff  
Universal handle  
140 mm, 5 1/2"



BRÜNNINGS

**OP160R** 200 mm, 8"

**OP161R** 250 mm, 10"

Verlängerungsrohre  
Extension cannula



**OP222R**



**OP223R**

KRAUSE

**OP222R-OP223R**

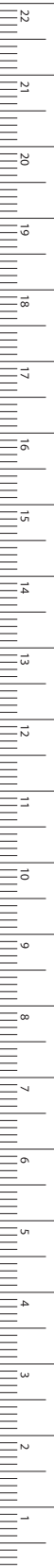
Biopsie-Aufsätze  
Biopsy attachments



SCHUMACHER

**OP230R**

Biopsie-Aufsatz  
mit ziehendem Schnitt  
Biopsy attachment  
with cut beginning from  
the top



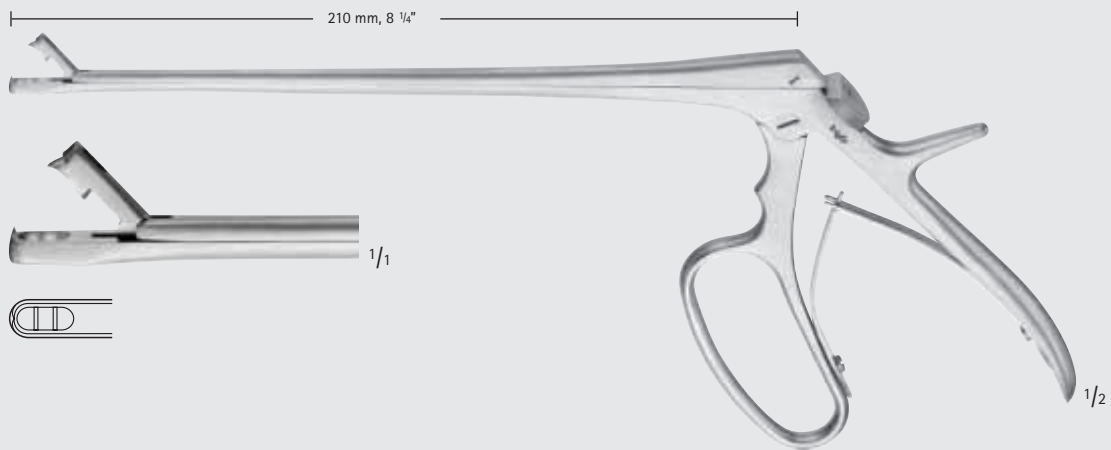
MILLIMETERS

# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

Biopsiezangen

Biopsy Forceps

ER



TISCHLER

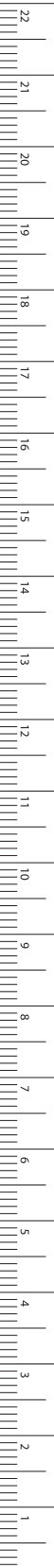
ER068R



# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

Uteruslöffel  
Uterine Scoops

ER



MILLIMETERS



Fig. 1

**ER101R**  
6,8 mm



Fig. 2

**ER102R**  
8,5 mm



Fig. 3

**ER103R**  
10 mm



Fig. 4

**ER104R**  
11,5 mm

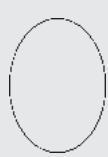


Fig. 5

**ER105R**  
13 mm

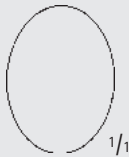


Fig. 6 <sup>1/1</sup>

**ER106R**  
14,5 mm

SIMON

**ER101R-ER106R**  
max. 240 mm, 9 1/2"



Fig. 1

**ER111R**  
6,8 mm



Fig. 2

**ER112R**  
8,5 mm



Fig. 3

**ER113R**  
10 mm



Fig. 4

**ER114R**  
11,5 mm

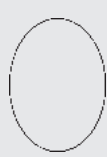


Fig. 5

**ER115R**  
13 mm

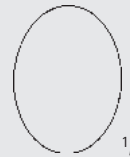


Fig. 6 <sup>1/1</sup>

**ER116R**  
14,5 mm

SCHRÖDER

**ER111R-ER116R**  
max. 310 mm, 12 3/8"



**ER126R**  
6 mm



**ER128R**  
8 mm



**ER130R**  
10 mm



**ER132R**  
12 mm



Fig. 1 <sup>1/1</sup>

**ER134R**  
14 mm

GOURDET

**ER126R-ER134R**  
stumpf  
blunt  
280 mm, 11"

# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

## Uterusküretten

### Uterine Currettes

ER



RECAMIER

ER219R-ER230R

scharf-fest  
sharp-rigid

ER241R-ER248R

scharf-biegsam  
sharp-malleable

ER320R-ER330R

stumpf-fest  
blunt-rigid  
max. 300 mm, 12"

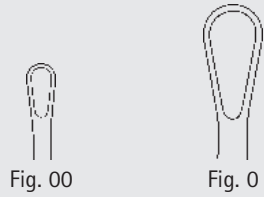


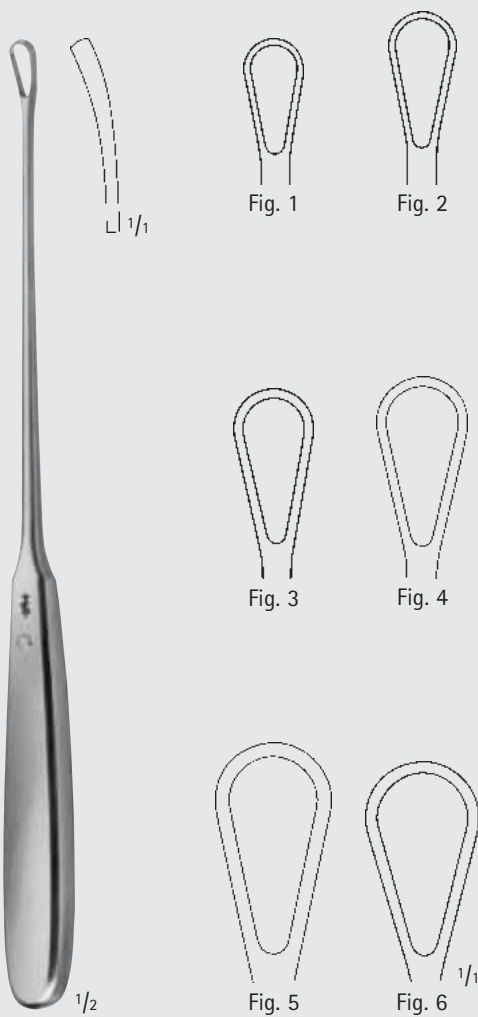
Fig.	Breite Width	scharf sharp		stumpf blunt
		fest rigid	biegsam malleable	fest rigid
00	4,5 mm	ER219R		
0	7,5 mm	ER220R		ER320R
1	8,5 mm	ER221R	ER241R	ER321R
2	10,5 mm	ER222R	ER242R	ER322R
3	12,0 mm	ER223R	ER243R	ER323R
4	14,0 mm	ER224R	ER244R	ER324R
5	15,0 mm	ER225R	ER245R	ER325R
6	16,5 mm	ER226R	ER246R	ER326R
7	18,0 mm	ER227R	ER247R	ER327R
8	19,5 mm	ER228R	ER248R	ER328R
9	21,5 mm	ER229R		ER329R
10	23,5 mm	ER230R		ER330R



# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

Uterusküretten  
Uterine Currettes

ER



SIMS

**ER401R-ER406R**

scharf-fest  
sharp-rigid

**ER411R-ER416R**

scharf-biegsam  
sharp-malleable  
max. 255 mm, 10"

**ER421R-ER426R**

stumpf-fest  
blunt-rigid

Fig.	Breite Width	scharf sharp		stumpf blunt
		fest rigid	biegsam malleable	fest rigid
1	7,5 mm	ER401R	ER411R	ER421R
2	8,5 mm	ER402R	ER412R	ER422R
3	10,5 mm	ER403R	ER413R	ER423R
4	12,0 mm	ER404R	ER414R	ER424R
5	14,0 mm	ER405R	ER415R	ER425R
6	15,0 mm	ER406R	ER416R	ER426R



# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

Uterusküretten

Uterine Curettes

ER



BUMM

ER520R-ER526R

stumpf-biegsam

blunt-malleable

max . 290 mm, 11 1/2"

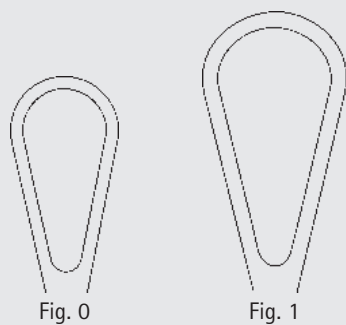


Fig. 0

Fig. 1

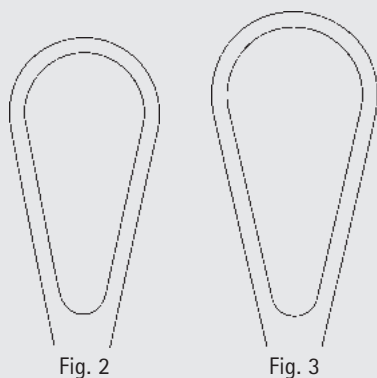


Fig. 2

Fig. 3

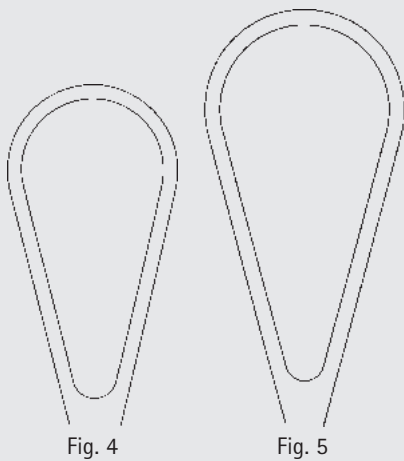


Fig. 4

Fig. 5

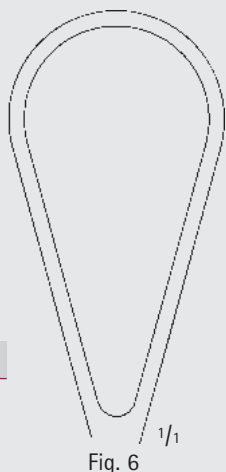


Fig. 6

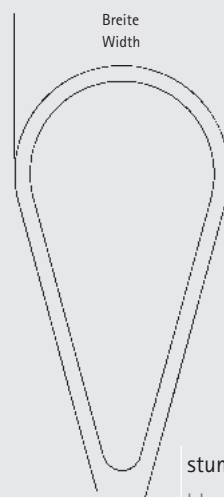


Fig.	Breite Width	stumpf blunt	biegsam malleable
0	16,0 mm	ER520R	
1	18,0 mm	ER521R	
2	19,5 mm	ER522R	
3	21,5 mm	ER523R	
4	23,5 mm	ER524R	
5	26,0 mm	ER525R	
6	28,5 mm	ER526R	





## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

Uterusküretten, Plazentar- und Abortusküretten  
Uterine Currettes, Placenta- and Ovum Currettes

ER



MILLIMETERS



BLAKE

ER585R

275 mm, 10 3/4"



COLLIN

ER580R

300 mm, 12"



HEANEY

ER025R

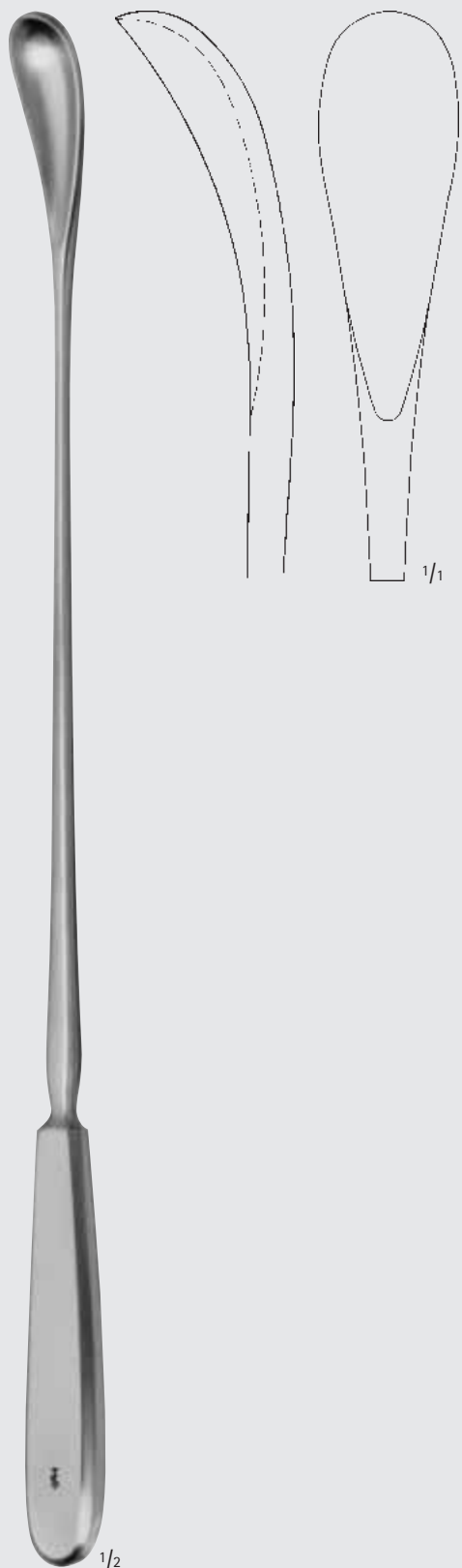
240 mm, 9 5/8"

# Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

Plazentar- und Abortuslöffel

Placenta- and Ovum Scoop

ER



WALLICH

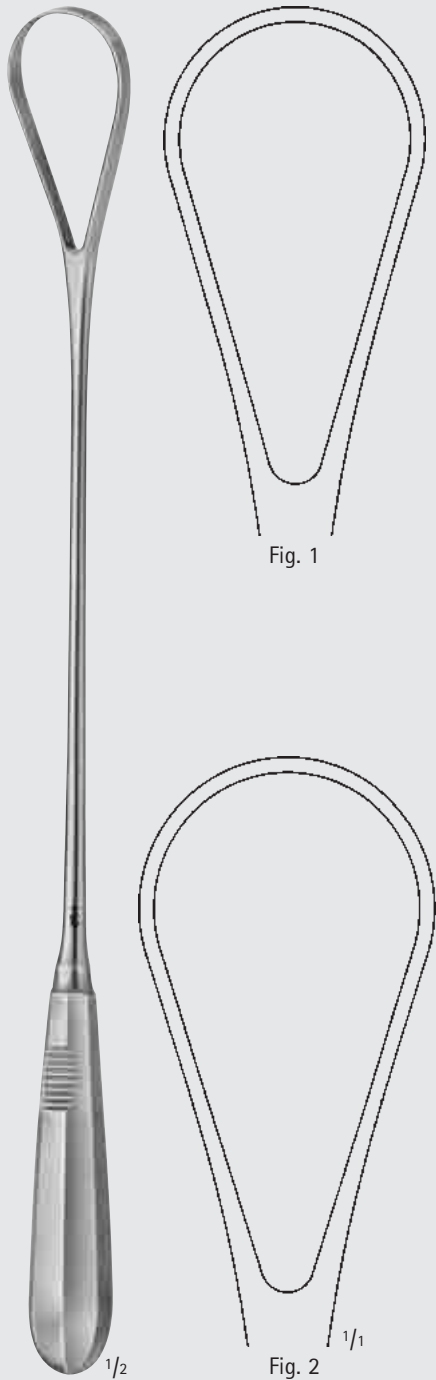
ER602R

420 mm, 16 3/4"

## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Currettes

### Plazentar- und Abortusküretten Placenta- and Ovum Curettes

ER

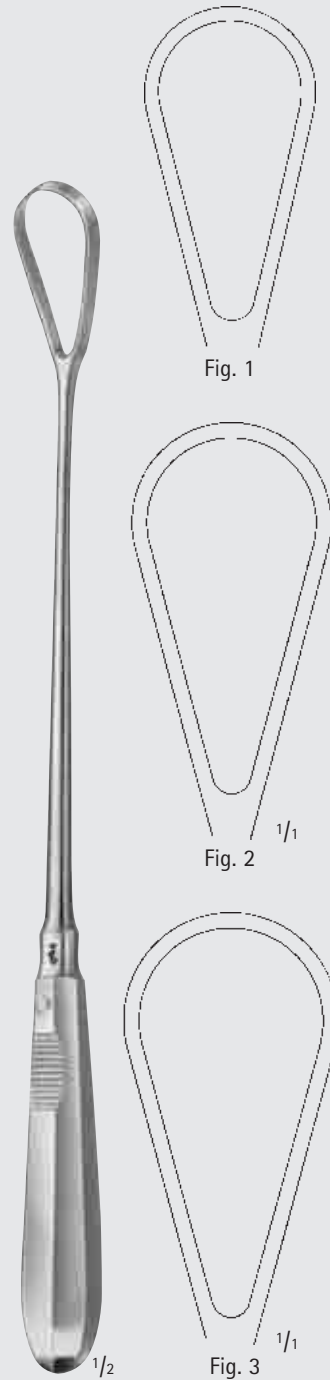


RECAMIER

**ER611R-ER612R**

stumpf-fest  
blunt-rigid  
max. 360 mm, 14 <sup>3</sup>/<sub>8</sub>"

Fig.	Breite Width	fest rigid	stumpf blunt
1	34,5 mm	<b>ER611R</b>	
2	39,5 mm	<b>ER612R</b>	



BUMM

**ER621R-ER623R**

scharf-biegsam  
sharp-malleable

**ER626R-ER628R**  
stumpf-biegsam  
blunt-malleable  
max. 310 mm, 12 <sup>3</sup>/<sub>8</sub>"

Fig.	Breite Width	scharf sharp	stumpf blunt
1	23,5 mm	<b>ER621R</b>	<b>ER626R</b>
2	26,0 mm		<b>ER627R</b>
3	28,5 mm	<b>ER623R</b>	<b>ER628R</b>

MILLIMETERS

## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

### Vakuümküretten

### Vacuum Curettes

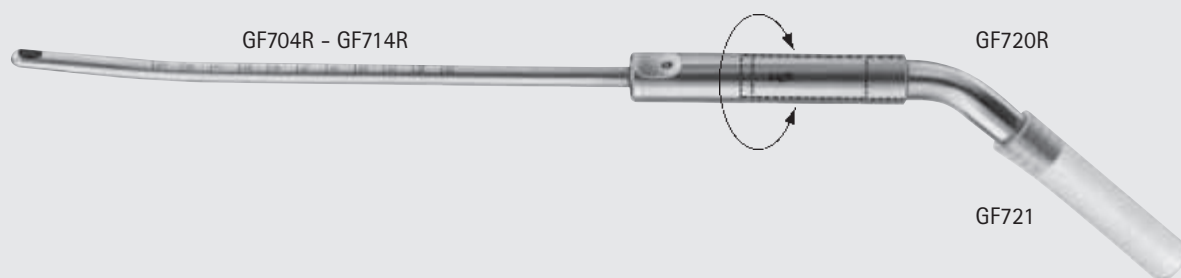
Kanülen zur Vakuümkürettage mit Graduierung und Saugunterbrecher, passend auf den Schlauchansatz GF720R. Arbeitstenden sorgfältig verrundet, daher keine Perforationsgefahr.

Curettes with graduation and suction interrupter, for vacuum curettage, fitting hose connection GF720R. Working tips are smoothly rounded off, therefore no danger of perforation.



Ø  
diam.  
4 mm (zur Saugbiopsie geeignet)  
(suitable for suction biopsy)

GF704R	
GF706R	6 mm
GF708R	8 mm
GF710R	10 mm
GF712R	12 mm
GF714R	14 mm



GF704R - GF714R

GF720R

GF721



**GF720R**

Schlauchansatz, gebogen  
Innen-Ø: 11 mm  
Hose connection, curved  
inside diam.: 11 mm

**GF721**

Saugschlauch, transparent, 1,8 m lang, Innen-Ø 11 mm, Außen-Ø 16,5 mm, sterilisierbar im Autoklav bei 143 °C (3 bar)

Die Verbindung zwischen Saugküretten und Schlauchansatz GF720R gewährleistet schnelles Wechseln und freies Drehen der Saugküretten auf dem Schlauchansatz.

The connection between suction curette and hose connection GF720R guarantees quick changing and free turning of the suction curettes on the hose connection.

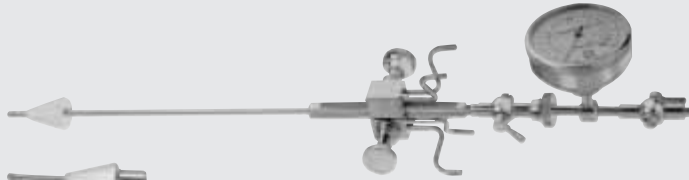
Transparent suction hose, 1.8 m long, inside diam. 11 mm, outside diam. 16.5 mm, can be sterilized in an autoclave at 143 °C (3 bar)



**GF722**

Gewebe-Auffangsieb aus Kunststoff, zum Einmalgebrauch für die histopathologische Untersuchung.

Strainer for tissues, plastic, for single use only, to be used for histopathological examination.


**ER826C**

**ER827C**

**ER828C**
**SCHULZE**
**ER820C**

Salpingograph zur Hystereo-Salpingographie, komplett bestehend aus:

- ER825C Tubenkatheter mit Hahn, ohne Kegel
- ER826C Kegel allein, klein
- ER827C Kegel allein, mittel
- ER828C Kegel allein, groß
- Manometer
- Zwischenstück
- ER829 Holzetui

Salpingograph, for utero-salpingography, complete consisting of:

- ER825 C Uterine cannula with tap without cone
- ER826C Cone only, small
- ER827C Cone only, medium
- ER828C Cone only, large
- Manometer
- Connection
- ER829 Wooden case


**SCHULZE**
**ER822C**

Salpingograph, Ausstattung wie ER820C, jedoch ohne Manometer

Salpingograph, equipment like ER820C, but without manometer

## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

Uterus-Kanülen

Uterine Cannulae

ER



$\frac{1}{2}$

LEECH-WILKINSON

**ER871R-ER873R**

265 mm, 10  $\frac{1}{2}$ "

			
<b>ER871R</b>	<b>ER872R</b>	<b>ER872R</b>	<b>ER873R</b>
klein	mittel	mittel	groß
small	medium	medium	large
Ø 10 x 25 mm	Ø 13 x 30 mm	Ø 13 x 30 mm	Ø 16 x 30 mm
diam. 10 x 25 mm	diam. 13 x 30 mm	diam. 13 x 30 mm	diam. 16 x 30 mm

$\frac{1}{1}$



$\frac{1}{2}$

SPACKMAN

**ER874R**

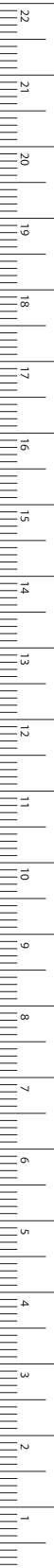
mit Befestigungsplatte für  
Hakenzange verstellbar  
with adjustable plate for  
vulsellum forceps  
360 mm, 14  $\frac{1}{4}$ "

## Biopsie- und Kürettage-Instrumente – Biopsy Instruments and Curettes

### Uterus-Kanülen, Spülkatheter

### Uterine Cannulae, Irrigation Catheter

ER



MILLIMETERS



BEHRMAN

**ER875**

Uterus-Kanüle  
mit abnehmbarem Konus  
Uterine cannula  
with detachable cone  
305 mm, 12"



**ER876**

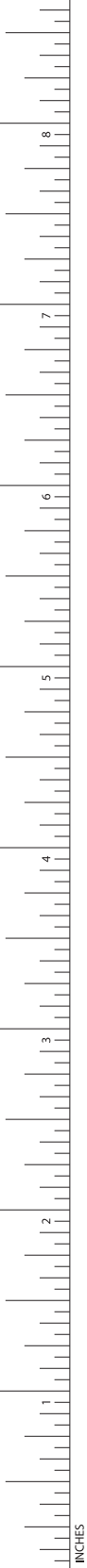
Uterus-Kanüle  
mit Federmechanismus, selbsthaltend,  
komplett mit 2 auswechselbaren Koni  
groß und klein  
Uterine cannula  
with spring connector, self-retaining,  
complete with 2 interchangeable cones  
large and small  
250 mm, 13"



ROTUNDA

**ER867R**

Spülkatheter  
Ø 5 mm  
Irrigation cannula  
diam. 5 mm  
200 mm, 8"


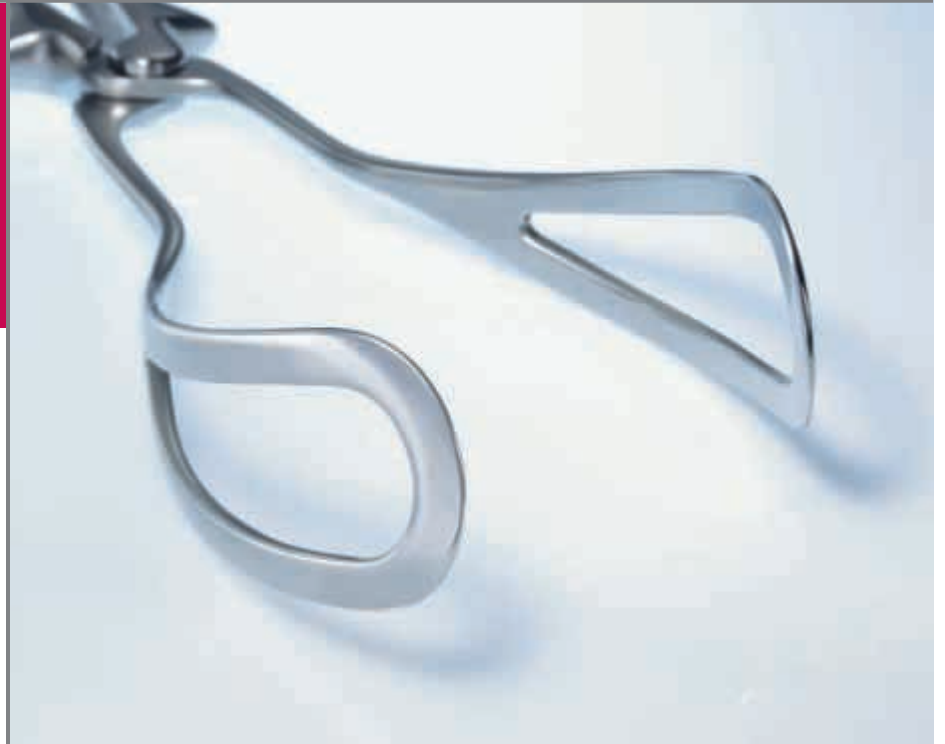


INCHES





ET



Geburtshilfe  
Obstetrics

## Geburtshilfe – Obstetrics

Beckenzirkel

Pelvimeters



DE LEE

ET005R

Beckenzirkel mit Zentimeter- und Zolleinteilung für innere Messungen zwischen Symphyse und Promontorium

Pelvimeter graduated in centimeters and inches for interior measurements between symphysis and promontory

1/2



MARTIN

ET073R

mit Zentimereinteilung graduated in centimeters

1/3



SCHMELZ

ET002

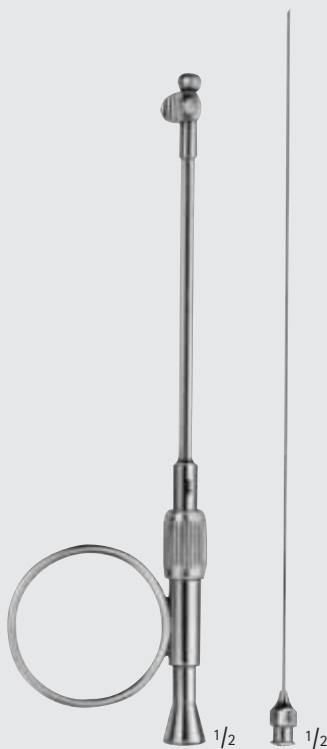
Rechenscheibe

Gestation calculator

1/3

Nach Applikation der Führungshülse am Injektionsort wird die Kanüle (mit aufgesetzter Spritze) durch den Trichter bzw. durch die Hülse hindurchgeführt und ins Gewebe eingestochen. Verletzungen der Vagina werden dabei vermieden. Die Einstichtiefe ist auf ca. 10 mm begrenzt. Ein Daumenring sowie eine kleine Stütze für Zeige- oder Mittelfinger dienen zur besseren Handhabung. Der Daumenring ist auf der Führungshülse verschiebbar und kann mit einer Rändelmutter – für jede Hand passend – fixiert werden. Die Fingerstütze läßt sich um die Führungshülse drehen und ermöglicht dadurch die Verwendung sowohl für Rechts- als auch für Linkshänder. Außerdem kann die Fingerstütze – evtl. bei der Pudendusnästhesie – ganz aus dem Aktionsbereich heraus in Richtung Daumenring geschoben werden.

When the guide sheath is introduced at the spot to be injected the needle (mounted on the syringe) is passed through the guide sheath and the tissue is finally injected. Injuries of the vagina are thus avoided. Depth of puncture is limited to 10 mm. Thumb ring as well as a small support for middle- or forefinger facilitate the handling. Thumb ring slides on the guide sheath and can be fixed by a knurled nut to any size of the hand. The finger support can be turned round on the guide sheath so left-handers can use it, too. Completely away from the range of actions is the finger support when it is moved towards the thumb ring, e.g. for anesthesia of the pudendus.



**ET096R**

Führungshülse  
Guide sheath  
175 mm, 7"

**SR580R**

Injektionskanüle Luer-Lock  
Injection needle Luer-Lock hub  
1,0 x 185 mm

Spezialbesteck zur transvaginalen  
Injektion bei Paracervical-und  
Pudendusnästhesie

Special set for transvaginal injection  
for paracervical anesthesia as well  
as anesthesia of the pudendus



## Geburtshilfe – Obstetrics

Amniotom, Blasensprenger

Amniotome, Membrane Puncturing Forceps

Stethoskope für die Geburtshilfe siehe Rubrik AC

Obstetrical stethoscopes see section AC

ET



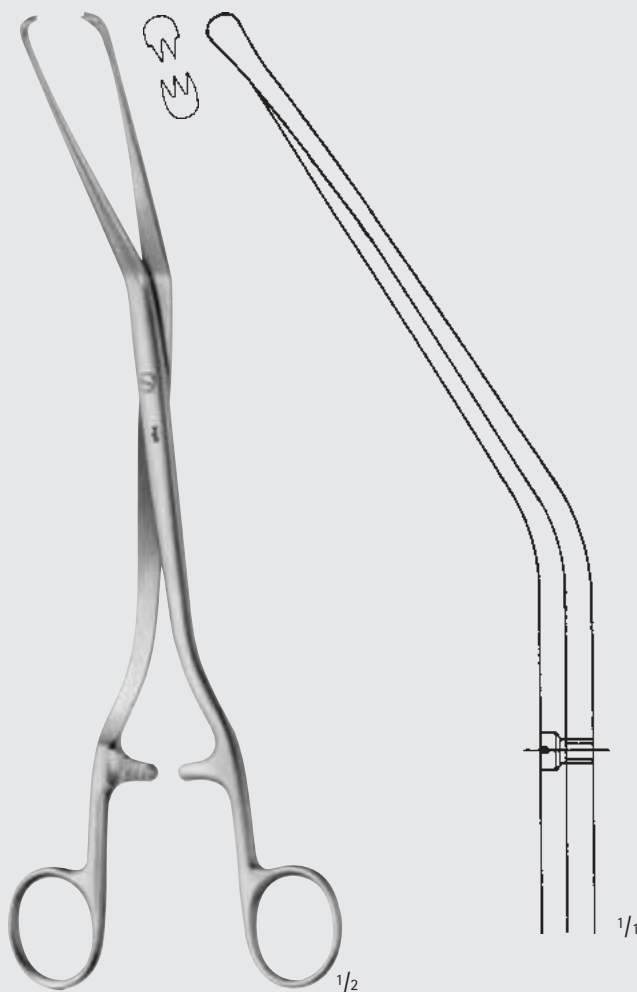
BEACHAM

ET102R

Amniotom

Amniotome

240 mm, 9 1/2"



HERFF

ET106R

Blasensprenger

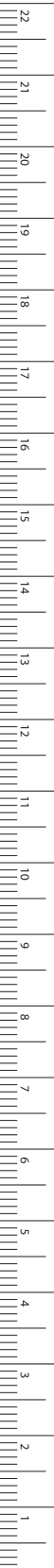
Membrane puncturing forceps

255 mm, 10"



Geburtshilfe – Obstetrics  
Nabelschnurscheren  
Umbilical Cord Scissors

13



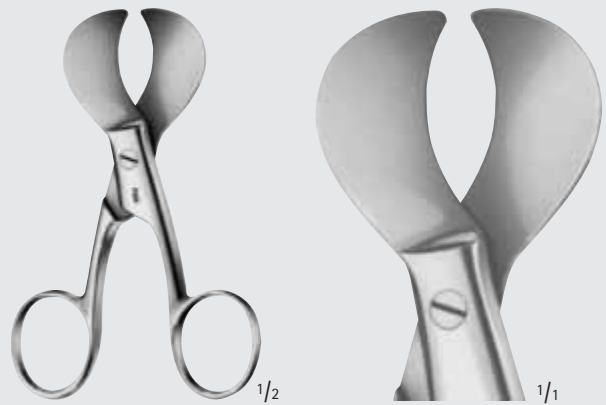
MILLIMETERS



SCHUHMACHER

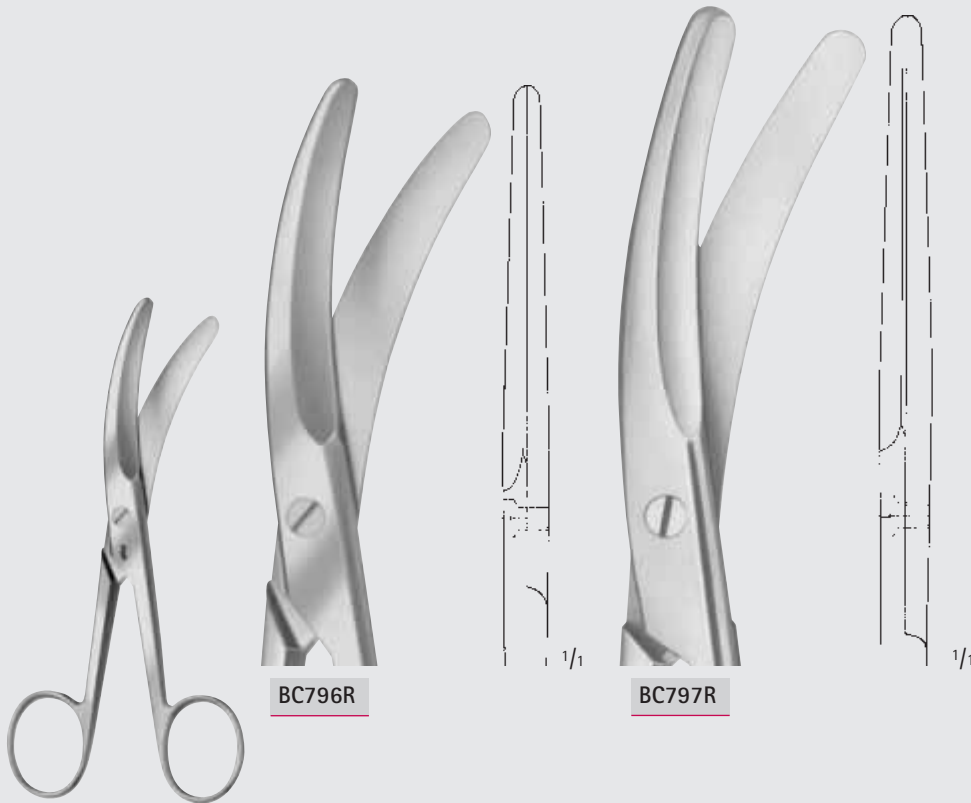
ET150R

Nabelschnurschere  
Umbilical cord scissors  
155 mm, 6"



ET152R

Nabelschnurschere  
Umbilical cord scissors  
105 mm, 4 1/8"



BC796R

BC797R

BC796R	135 mm	5 1/4"
BC797R	160 mm	6 1/4"

Nabelschnurscheren  
Umbilical cord scissors

## Geburtshilfe – Obstetrics

Dammscheren, Nabelschnurdilatator, Nabelschnurklemme

Episiotomy Scissors, Umbilical Dilator, Umbilical Cord Clamp



BRAUN-STADLER

ET140R 145 mm 5 3/4"

ET141R 200 mm 8"

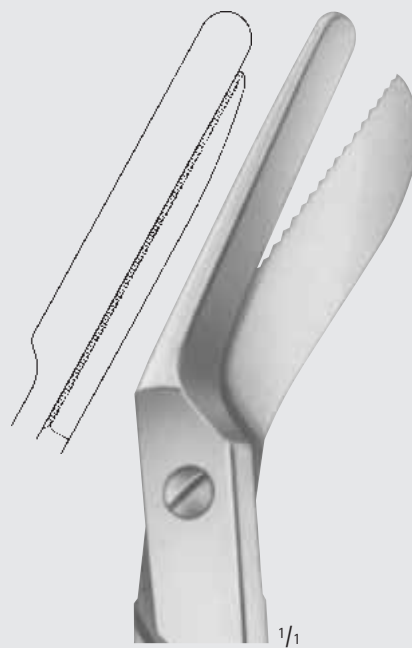
Dammscheren

Episiotomy scissors



ET140R

1/1



ET141R

1/1

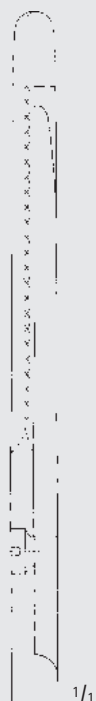


ET142R

Dammschere  
Episiotomy scissors

240 mm, 9 1/2"

1/2



1/1



1/1

ET130R

Nabelschnurdilatator  
Umbilical dilator

95 mm, 3 3/4"



1/2

COLLIN

ET160R

Nabelschnurklemme  
Umbilical cord clamp

85 mm, 3 3/8"

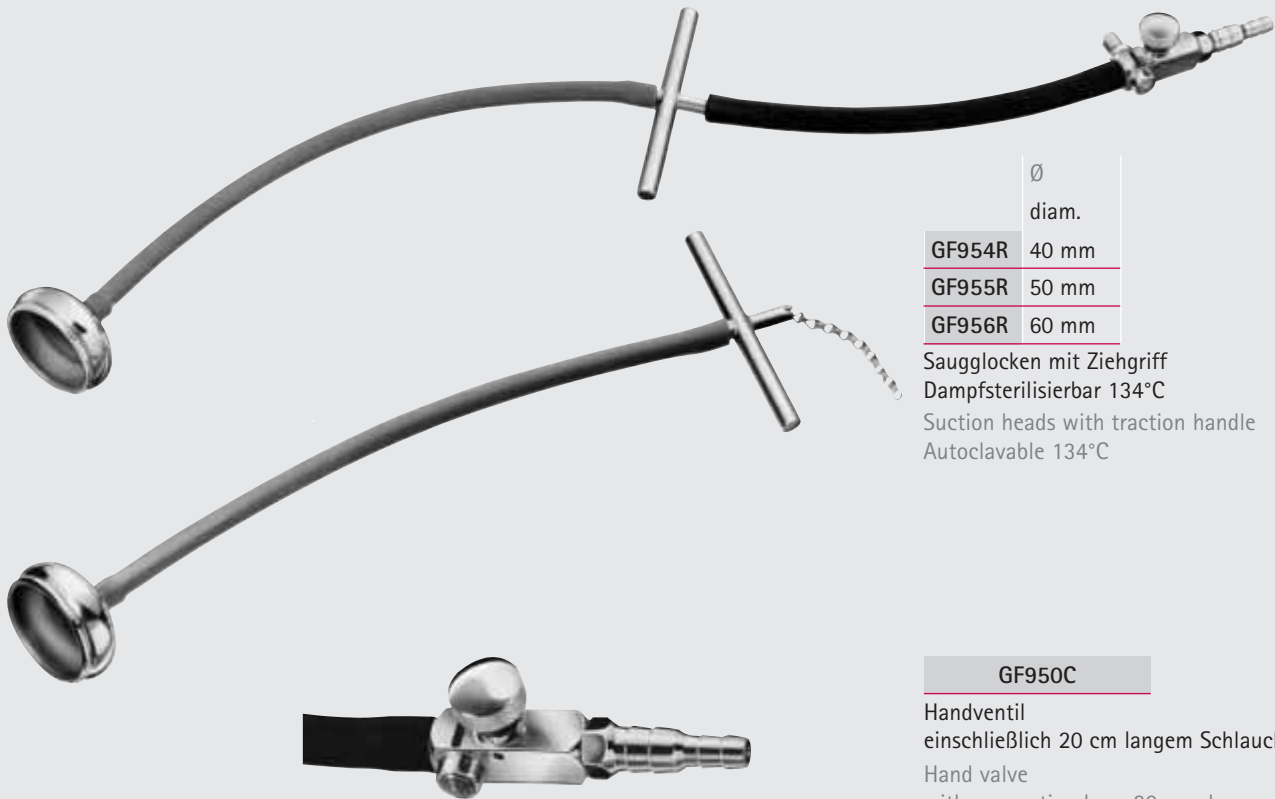


## Geburtshilfe – Obstetrics

### Vakuum-Extraktion bei der Geburtshilfe

### Vacuum Extraction for Obstetrics

13



	Ø diam.
GF954R	40 mm
GF955R	50 mm
GF956R	60 mm

Sauglocken mit Ziehgriff  
Dampfsterilisierbar 134°C  
Suction heads with traction handle  
Autoclavable 134°C

#### GF950C

Handventil  
einschließlich 20 cm langem Schlauch  
Hand valve  
with connection hose 20 cms long

Mit dem Handventil GF950C können die Aesculap-Sauger auch zur Vakuum-Extraktion nach Malmström verwendet werden. Das Vakuum-Handventil GF950C ist auch an zentrale Sauganlagen anschließbar.

With the hand valve GF950C Aesculap electric suction pumps can also be used for Malmström vacuum extraction. The vacuum hand valve GF950C can also be connected to central suction system.

Funktionsweise: Das benötigte Vakuum ist durch die Regulierschraube beliebig voreinstellbar und veränderbar und besteht bis zum geschlossenen Stoppschieber. Sobald man den Stoppschieber öffnet, d.h. von links nach rechts drückt, wird die aufgesetzte Saugglocke unmittelbar unter das eingestellte Vakuum gesetzt. Zum sofortigen Absetzen der Saugglocke braucht der Stoppschieber nur geschlossen zu werden, wodurch das Vakuum der Saugglocke spontan zusammenbricht, während das Vakuum in der Saugflasche voll erhalten bleibt und nicht immer wieder zeitraubend neu aufgebaut werden muß.

Function: The vacuum required can be constantly preset by the adjusting screw. This vacuum exists then up to the closed quick-shutter, thus the vacuum in the suction head is pressed from the left to the right, the mounted suction head is immediately put under the preset vacuum. In case the preset vacuum has to be changed, this can be done with the adjusting screw. For immediate removal of the suction head simply close the quick-shutter, thus the vacuum in the suction head is eliminated at once whereas the vacuum in the suction jar remains unchanged.

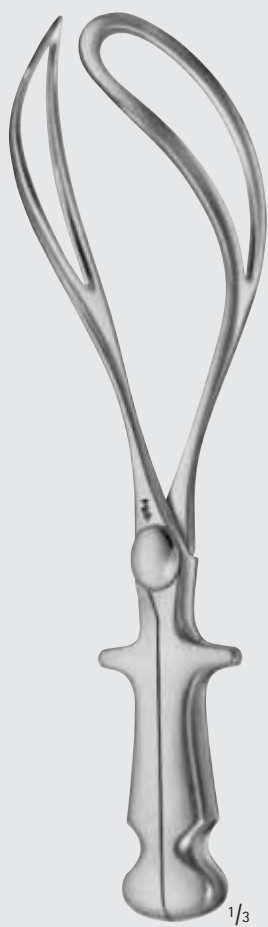
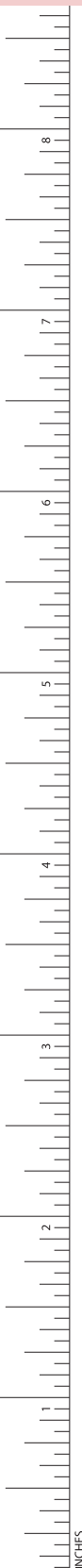


#### GF957

Saugglocke aus Silicon-Gummi, Ø 60 mm,  
mit 1,5 m Siliconschlauch  
Dampfsterilisierbar 134°C  
Suction head, made of silicone, 60 mm diam.,  
with silicone tube 1.5 m long  
Autoclavable 134°C



MILLIMETERS



NÄGELE

ET205R

355 mm, 14 1/8"



KIELLAND

ET210R

420 mm, 16 3/4"





SIMPSON-BRAUN

ET220R

305 mm, 12"



SIMPSON-BRAUN

ET221R

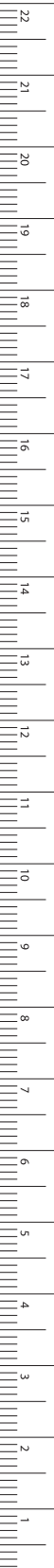
350 mm, 14"



PIPER

ET237R

für nachkommenden  
Kopf bei Steißblagen  
for delivery of the after  
coming head in breech  
presentation  
445 mm, 17 1/2"



MILLIMETERS

## Geburtshilfe – Obstetrics

Geburtszangen

Obstetrical Forceps

ET



SIMPSON

ET245R

für sectio caesarea  
(Schnittentbindung)  
for caesarean section

235 mm, 9 1/4"



WRIGLEY

ET246R

für sectio caesarea  
(Schnittentbindung)  
for caesarean section

250 mm, 10"



Geburtshilfe – Obstetrics  
Geburtszangen  
Obsterical Forceps

13



MILLIMETERS



1/3

TARNIER

ET251R

mit Achsenzugvorrichtung  
with traction rod  
400 mm, 16"



1/3

BARNES-NEVILLE

ET255R

mit Zugvorrichtung  
with traction handle  
435 mm, 17"

## Geburtshilfe – Obstetrics

Geburtslöffel, Uterus-Klemmzange

Obstetrics Lever, Caesarean Section Hemostatic Forceps

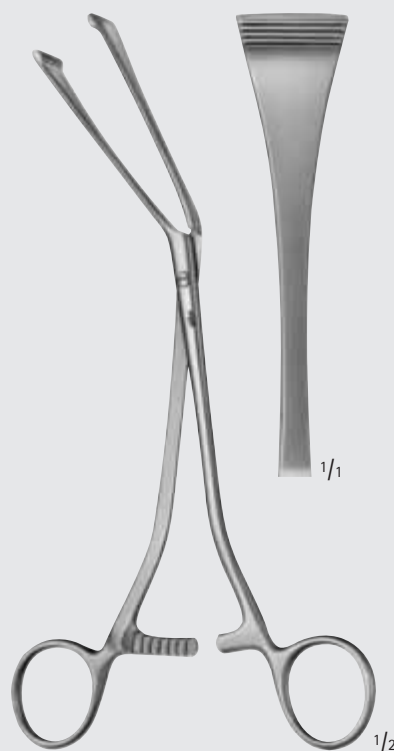
ET



SELLHEIM

ET270R

Geburtslöffel  
Obstetric lever  
300 mm, 12"



GREEN-ARMYTAGE

ET268R

Uterus-Klemmzange, abgewinkelt,  
zur Blutstillung an den Schnitt-  
rändern im unteren Segment bei  
Kaiserschnitt-Entbindungen  
Caesarean section hemostatic  
forceps, angled,  
for edges of the transverse  
incision in the lower segment  
195 mm, 7 3/4"



## Geburtshilfe – Obstetrics

Uterus-Klemmzange, Kopfschwartenzange  
Caesarean Hemostasis Forceps, Scalp Flap Forceps

13



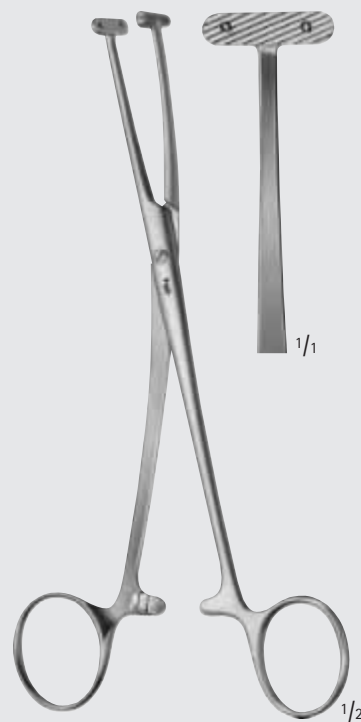
### GREEN-ARMYTAGE

ET269R

Uterus-Klemmzange zur Blutstillung an den Schnitträndern im unteren Segment bei Kaiserschnitt-Entbindungen

Caesarean section haemostatic forceps, for edges of the transverse incision in the lower segment

220 mm, 8 3/4"



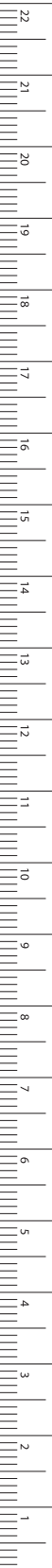
### WILLETT

FF011R

Kopfschwartenzange

Scalp flap forceps

185 mm, 7 1/4"



MILLIMETERS

**Geburtshilfe – Obstetrics**  
 Plazentar- und Abortuszangen  
 Placenta- and Ovum Forceps

ET



Fig. 1 Fig. 2 <sup>1/1</sup>

ET301R ET302R



Fig. 1 Fig. 2 Fig. 3 <sup>1/1</sup>

ET306R ET307R ET308R



Fig. 2 Fig. 3 <sup>1/1</sup>

ET315R ET316R



WINTER <sup>1/2</sup>

ET301R-ET302R

290 mm, 11 1/2"



WINTER <sup>1/2</sup>

ET306R-ET308R

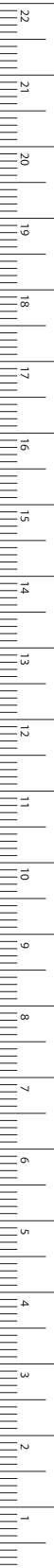
290 mm, 11 1/2"



WINTER <sup>1/2</sup>

ET315R-ET316R

mit Sperre  
 with ratchet  
 290 mm, 11 1/2"



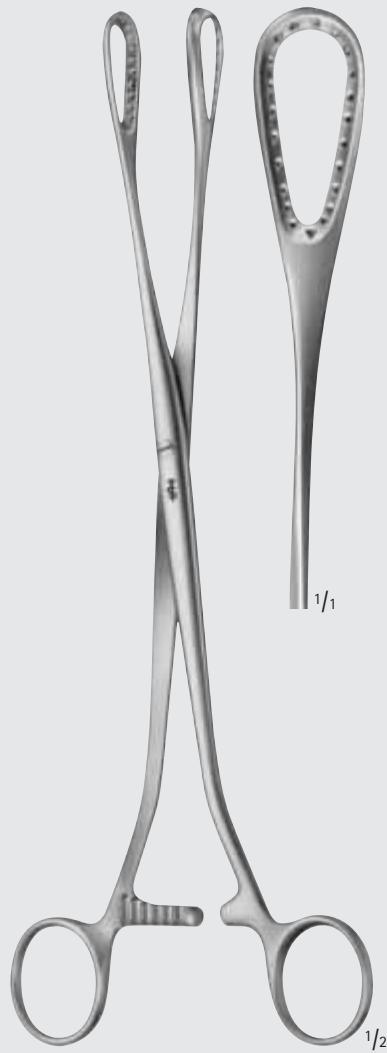
MILLIMETERS



SAENGER

**ET325R**

285 mm, 11 1/4"



SAENGER

**ET326R**

275 mm, 10 3/4"



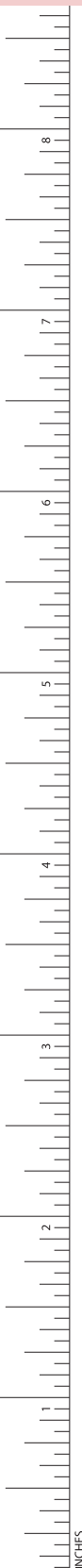
SAENGER

**ET327R**

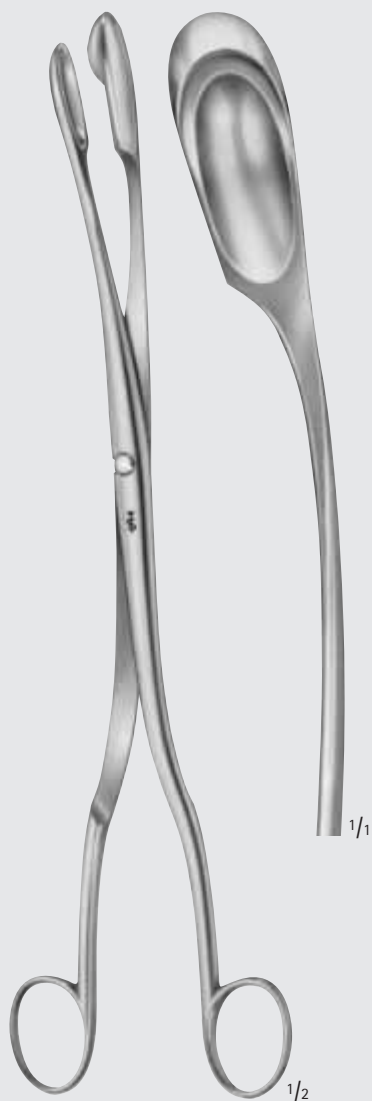
265 mm, 10 1/2"

**Geburtshilfe – Obstetrics**  
Plazentar- und Abortuszangen  
Placenta- and Ovum Forceps

ET



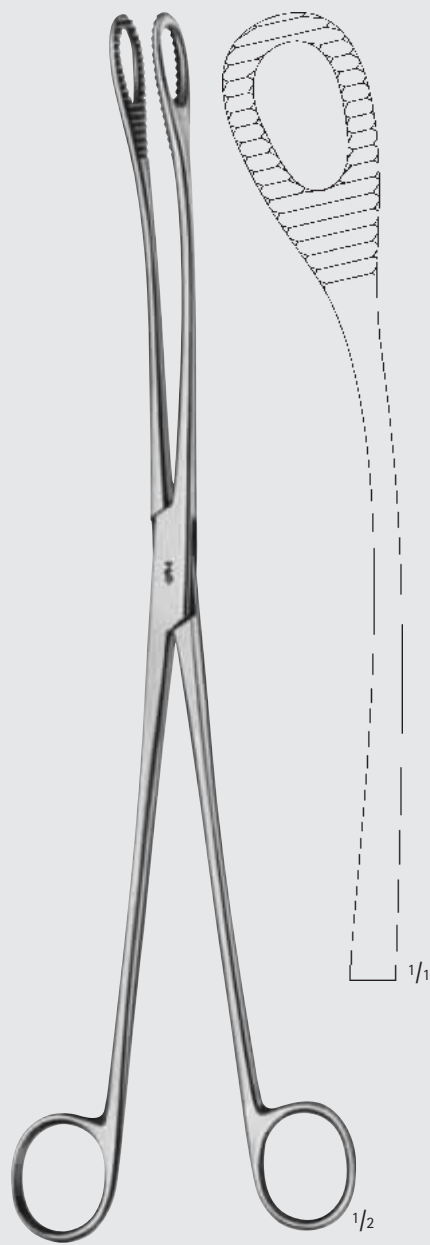
mit Schutzklappe  
with protecting cap



AESCULAP

ET320R

285 mm, 11 1/4"



KELLY

BF135R

320 mm, 12 3/4"



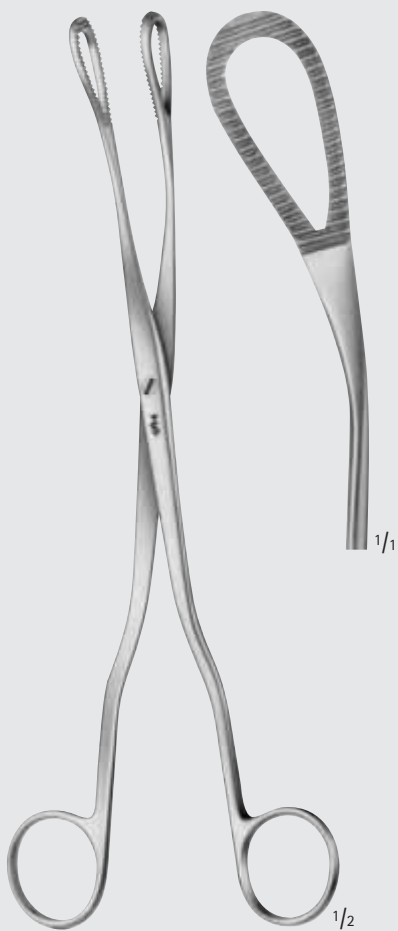


**Geburtshilfe – Obstetrics**  
Plazentar- und Abortuszangen  
Plazenta- and Ovum Forceps

13



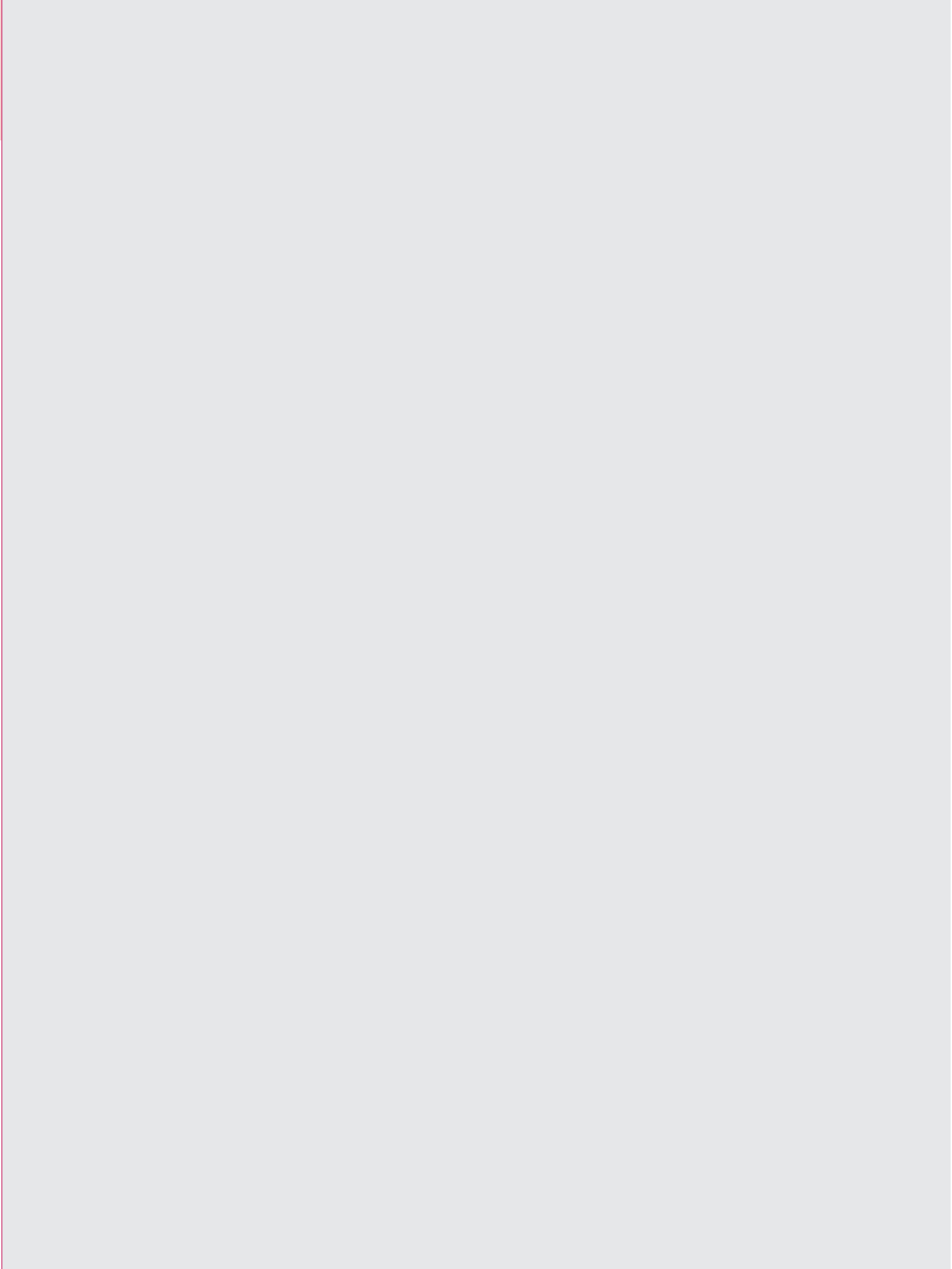
MILLIMETERS



MC CLINTOCK

ET329R

240 mm, 9 1/2"



FB



Herz-, Thorax- und Gefäß-Chirurgie  
Cardiovascular- and Thoracic Surgery

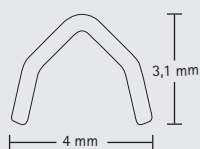
## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Titan Ligaturclips und Anlegezangen

Titanium Ligating Clips and Appliers

SMALL

FB



1/1

### PL565T

Titan-Ligatur-Clips  
small (gelb)

Bestelleinheit:

PAK = Packung à

30 Magazine = 180 Stück

Titanium ligating clips  
small (yellow)

Sales unit:

PAK = Package of

30 cartridges = 180 pieces

### PL566T

Cardiopack

Titan-Ligatur-Clips  
small (gelb)

Bestelleinheit:

PAK = Packung à

8 Magazine = 192 Stück

Cardiopack

Titanium ligating clips  
small (gelb)

Sales unit:

PAK = Package of  
8 cartridges = 192 pieces



### FB222R

Clipanlegezange  
small (gelb)

Clip applicator  
small (yellow)

150 mm, 6"



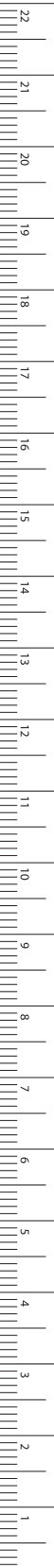
SMALL

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Titan Ligaturclips und Anlegezangen

### Titanium Ligating Clips and Appliers

FB



MILLIMETERS



**FB223R**  
25°

**FB226R**  
65°

**FB223R-FB226R**

Clipanlegezangen  
small (gelb)  
Clip appliers  
small (yellow)  
200 mm, 8"



**FB224R**  
25°

**FB227R**  
65°

**FB224R-FB227R**

Clipanlegezangen  
small (gelb)  
Clip appliers  
small (yellow)  
280 mm, 11"

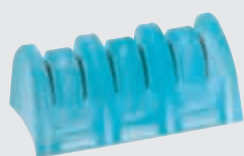
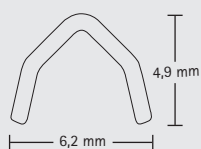
## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Titan Ligaturclips und Anlegezangen

Titanium Ligating Clips and Appliers

MEDIUM

FB



**PL567T**

Titan-Ligatur-Clips  
medium (blau)

Bestelleinheit:

PAK = Packung à

30 Magazine = 180 Stück

Titanium ligating clips

medium (blue)

Sales unit:

PAK = Package of

30 cartridges = 180 pieces



**FB234R**

Clipanlegezange  
medium (blau)

Clip applier  
medium (blue)

150 mm, 6"



MEDIUM

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Titan Ligaturclips und Anlegezangen  
Titanium Ligating Clips and Appliers

FB



**FB235R**  
25°

**FB238R**  
65°

**FB235R-FB238R**

Clipanlegezangen  
medium (blau)  
Clip appliers  
medium (blau)  
200 mm, 8"

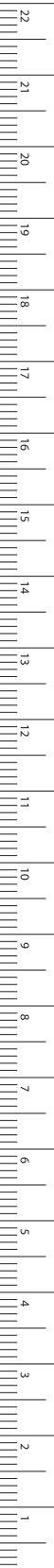


**FB236R**  
25°

**FB239R**  
65°

**FB236R-FB239R**

Clipanlegezangen  
medium (blau)  
Clip appliers  
medium (bleu)  
280 mm, 11"



MILLIMETERS

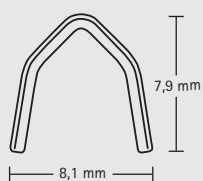
## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Titan Ligaturclips und Anlegezangen

Titanium Ligating Clips and Appliers

MEDIUM-LARGE

FB



**PL568T**

Titan-Ligatur-Clips  
medium-large (grün)  
Bestelleinheit:  
PAK= Packung à  
20 Magazine = 120 Stück  
Titanium ligating clips  
medium-large (green)  
Sales unit:  
PAK= Package of  
20 cartridges = 120 pieces



**FB240R**  
25°

**FB243R**  
65°

**FB254R**  
90°

**FB240R-FB254R**

Clipanlegezangen  
medium-large (grün)  
Clip appliers  
medium-large (green)  
200 mm, 8"





MEDIUM-LARGE

Herz- und Gefäß-Chirurgie – Cardiovascular Surgery  
Titan Ligaturclips und Anlegezangen  
Titanium Ligating Clips and Appliers

FB



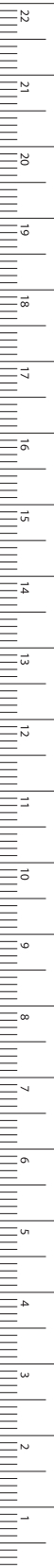
FB242R  
25°

FB245R  
65°

FB255R  
90°

FB242R-FB255R

Clipanlegezangen  
medium-large (grün)  
Clip appliers  
medium-large (green)  
280 mm, 11"



MILLIMETERS

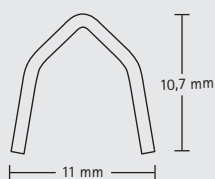
# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Titan Ligaturclips und Anlegezangen

Titanium Ligating Clips and Appliers

LARGE

FB



**PL561T**

Titan-Ligatur-Clips  
large (orange)

Bestelleinheit:

PAK = Packung à

20 Magazine = 120 Stück

Titanium ligating clips

large (orange)

Sales unit:

PAK = Package of

20 cartridges = 120 pieces



**FB246R**

25°

**FB249R**

65°

**FB252R**

90°

**FB246R-FB252R**

Clipanlegezangen

large (orange)

Clip appliers

large (orange)

200 mm, 8"

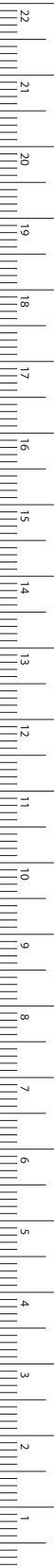


LARGE

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Titan Ligaturclips und Anlegezangen  
Titanium Ligating Clips and Appliers

FB



MILLIMETERS



FB248R  
25°

FB251R  
65°

FB253R  
90°

**FB248R-FB253R**  
Clipanlegezangen  
large (orange)  
Clip appliers  
large (orange)  
280 mm, 11"

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mikro-Federschere mit Flachgriff

Micro Scissors with Flat Handle

FB



165 mm, 6 1/2"



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Mikro-Federscheren mit Flachgriff

### Micro Scissors with Flat Handle

25°



**FM470R**

45°



**FM471R**

60°



**FM472R**

90°



**FM473R**

125°



**FM474R**

gerade  
straight

aufgebogen  
curved  
on flat

Feines Blatt  
Fine blade



**FM451R**



**FM452R**



**FM453R**



**FM454R**



**FM455R**

Feines Blatt,  
1 Blatt mit Knopf  
Fine blade,  
with 1 probe  
pointed blade



**FM437R**



**FM438R**



**FM439R**



**FM440R**



**FM441R**



**FM442R**



**FM436R**

Sehr feines Blatt  
Delicate blade



**FM431R**



**FM432R**



**FM433R**



**FM434R**



**FM435R**



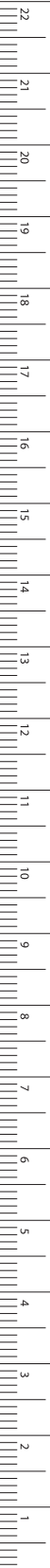
**FM444R**



**FM430R**

Extrem feines Blatt  
Ultra delicate blade

**FB**



MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mikro-Federscheren mit Rundgriff

Micro Scissors (Spring Type) with Round Handle

FB



1/1

165 mm, 6 1/2"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Mikro-Federscheren mit Rundgriff

### Micro Scissors with Round Handle

25°



**FM476R**

45°



**FM477R**

60°



**FM478R**

90°



**FM479R**

125°



**FM480R**

gerade  
straight

aufgebogen  
curved  
on flat

Feines Blatt  
Fine blade



**FM482R**



**FM483R**



**FM484R**



**FM485R**



**FM486R**



**FM488R**



**FM481R**

Sehr feines Blatt  
Delicate blade



**FM489R**



**FM490R**



**FM491R**



**FM492R**



**FM493R**

Sehr feines Blatt,  
1 Blatt mit Knopf  
Delicate blade,  
with 1 probe  
pointed blade



**FM504R**



**FM505R**



**FM506R**



**FM507R**



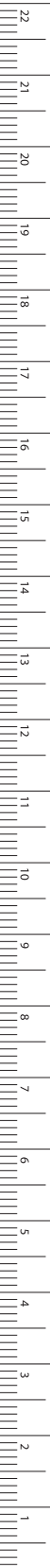
**FM508R**



**FM503R**

Extrem feines Blatt  
Ultra delicate blade

**FB**



MILLIMETERS

Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mikro-Gefäßscheren

Micro Vascular Scissors

FB



DIETRICH-POTTS  
180 mm, 7"

1/1





# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Mikro-Gefäßscheren Micro Vascular Scissors

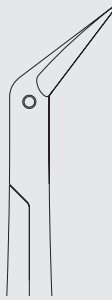
FB

25°



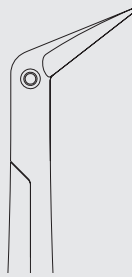
BC522R

45°



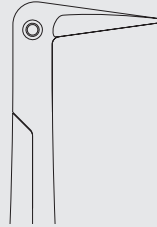
BC523R

60°



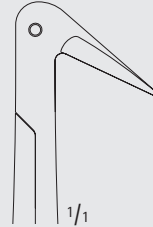
BC524R

90°



BC525R

125°



BC526R

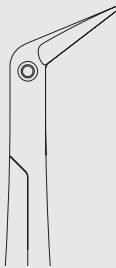
Standard Blatt  
Standard blade



BC531R



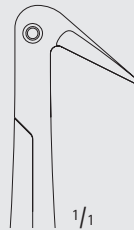
BC532R



BC533R



BC534R



BC535R

Sehr feines Blatt  
Delicate blade



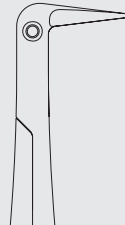
BC515R



BC516R



BC517R

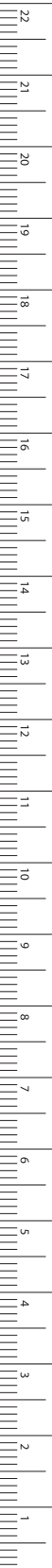


BC518R



BC519R

Extrem feines Blatt  
Ultra delicate blade



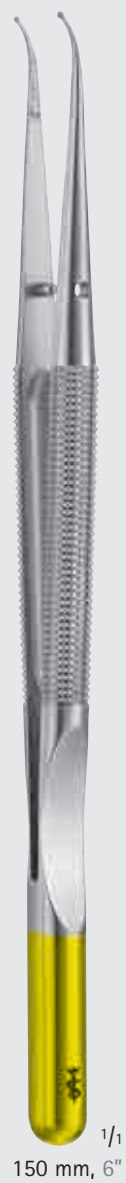
MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

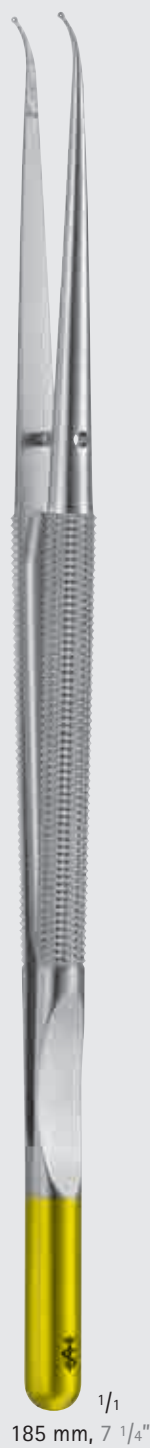
Mikro-Pinzetten mit Rundgriff und Gewicht

Micro Forceps with Round Handles and Counter Balance

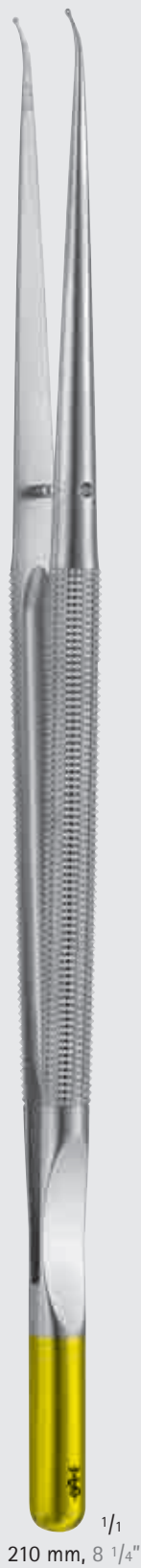
FB



150 mm, 6"  $\frac{1}{16}$ "



185 mm, 7  $\frac{1}{4}$ "  $\frac{1}{16}$ "



210 mm, 8  $\frac{1}{4}$ "  $\frac{1}{16}$ "



230 mm, 9"  $\frac{1}{16}$ "



250 mm, 10"  $\frac{1}{16}$ "



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Mikro-Pinzetten mit Rundgriff und Gewicht

#### Micro Forceps with Round Handles and Counter Balance

FB



MILLIMETERS

DIADUST



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

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

Maulform  
Jaw

Ring-Ø: 1 mm, gerade diam. of ring: 1 mm, straight	Ring-Ø: 1 mm, gebogen diam. of ring: 1 mm, curved	Ring-Ø: 2 mm, gerade diam. of ring: 2 mm, straight	Fadenplatte, gerade Platform tips, straight	Fadenplatte, gebogen Platform tips, curved	1 mm, DeBakey Zahnung 1 mm, DeBakey tip
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Länge (mm)  
Length (in.)

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](#)

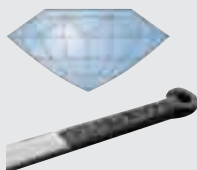
[FM593R](#)

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Mikro-Pinzetten mit Rundgriff, ohne Gewicht

Micro Forceps with Round Handles, without Counter Balance

DIADUST



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

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185 mm, 7 1/4"

210 mm, 8 1/4"

FB





## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Mikro-Pinzetten mit Rundgriff, ohne Gewicht

#### Micro Forceps with Round Handles, without Counter Balance

Maulform Jaw	Ring-Ø: 1 mm, gerade diam. of ring: 1 mm, straight	Ring-Ø: 1 mm, gebogen diam. of ring: 1 mm, curved	Ring-Ø: 1 mm mit Fadenplatte diam. of ring: 1 mm with platform tip	Fadenplatte, gerade Platform tip, straight	1 mm, DeBakey Zahnung 1 mm, DeBakey tip
Länge (mm) Length (in.)					
185 mm 7 1/4"	<b>FM597R</b>	<b>FM587R</b>	<b>FM582R</b>	<b>FM586R</b>	<b>FM590R</b>
210 mm 8 1/4"	<b>FM598R</b>	<b>FM589R</b>	<b>FM584R</b>	<b>FM588R</b>	<b>FM591R</b>

**FM063R**

Rundgriff  
round handle  
200 mm, 8"

Karoprofil  
cross serrated

1/2

1/1

**DIADUST**

**FM053R**  
Ring-Ø: 2,5 mm  
diam. of ring: 2.5 mm  
180 mm  
7"

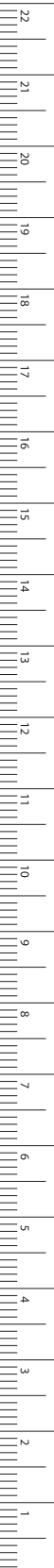
**FM054R**  
Ring-Ø: 2,5 mm  
diam. of ring: 2.5 mm  
200 mm  
8"

**FM053R-FM054R**

Rundgriff  
round handle

1/1

FB



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mikro-Pinzetten mit Flachgriff

Micro Forceps with Flat Handle

FB



180 mm, 7"  $\frac{1}{1}$



200 mm, 8"  $\frac{1}{1}$



250 mm, 10"  $\frac{1}{1}$



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Mikro-Pinzetten mit Flachgriff Micro Forceps with Flat Handle

FB

DIADUST



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

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Maulform  
Jaw

1 mm,  
Karoprofil

1 mm,  
DeBakey  
Zahnung

Ring-Ø:  
1 mm,  
gerade

Ring-Ø:  
1 mm,  
gebogen

1 mm,  
gerade

1 mm,  
cross serrated

1 mm,  
DeBakey tip

diam. of ring:  
1 mm,  
straight

diam. of ring:  
1 mm,  
curved

1 mm,  
straight



Länge (mm)  
Length (in.)

180 mm  
7"

**BD190R**

**BD191R**

**BD192R**

**BD193R**

**BD194R**

200 mm  
8"

**BD195R**

**BD196R**

250 mm  
10"

**BD197R**



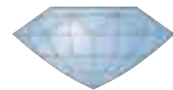
MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### DIADUST Mikro-Nadelhalter mit Rundgriff

#### DIADUST Micro Needle Holders with Round Handle

DIADUST

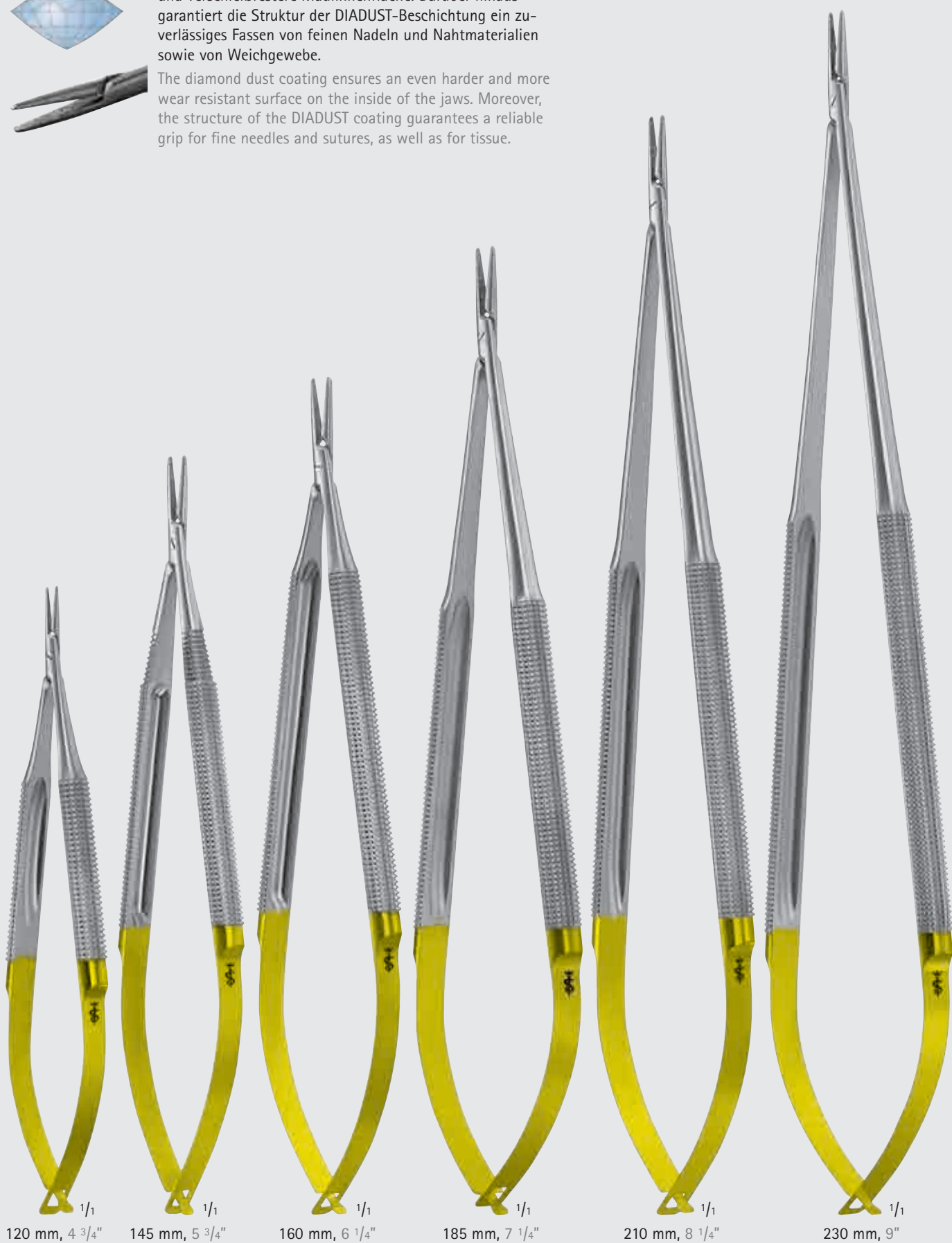


DIADUST



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

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120 mm, 4 3/4" 1/1

145 mm, 5 3/4" 1/1

160 mm, 6 1/4" 1/1

185 mm, 7 1/4" 1/1

210 mm, 8 1/4" 1/1

230 mm, 9" 1/1

INCHES





DIADUST

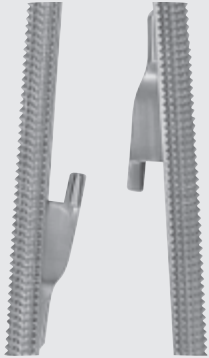


## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### DIADUST Mikro-Nadelhalter mit Rundgriff

### DIADUST Micro Needle Holders with Round Handle

FB

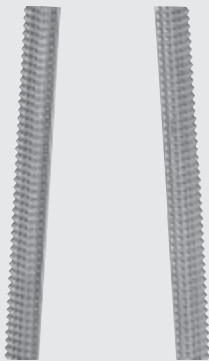


mit Sperre  
with ratchet



Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller	4/0 und kleiner 4/0 and smaller	4/0 und kleiner 4/0 and smaller
120 mm 4 3/4"	<a href="#">FM520R</a>			
145 mm 5 3/4"		<a href="#">FM522R</a>		
160 mm 6 1/4"	<a href="#">FM521R</a>	<a href="#">FM523R</a>		
185 mm 7 1/4"	<a href="#">FM563R</a>	<a href="#">FM564R</a>	<a href="#">FM218R</a>	
210 mm 8 1/4"	<a href="#">FM565R</a>	<a href="#">FM566R</a>	<a href="#">FM228R</a>	<a href="#">FM221R</a>
230 mm 9"	<a href="#">FM567R</a>	<a href="#">FM568R</a>	<a href="#">FM230R</a>	<a href="#">FM223R</a>



ohne Sperre  
without  
ratchet



Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller
120 mm 4 3/4"	<a href="#">FM524R</a>	
145 mm 5 3/4"		<a href="#">FM528R</a>
160 mm 6 1/4"	<a href="#">FM525R</a>	<a href="#">FM529R</a>
185 mm 7 1/4"	<a href="#">FM526R</a>	<a href="#">FM530R</a>
210 mm 8 1/4"	<a href="#">FM527R</a>	<a href="#">FM531R</a>
230 mm 9"	<a href="#">FM532R</a>	<a href="#">FM533R</a>



MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### DIADUST Mikro-Nadelhalter mit Rundgriff

#### DIADUST Micro Needle Holders with Round Handle

DIADUST



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

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



190 mm, 7 1/2"

230 mm, 9"

250 mm, 10"





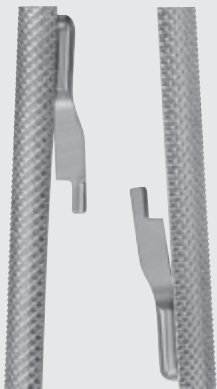
DIADUST



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### DIADUST Mikro-Nadelhalter mit Rundgriff

#### DIADUST Micro Needle Holders with Round Handle



mit Sperre,  
kräftige  
Ausführung  
with ratchet,  
heavy style



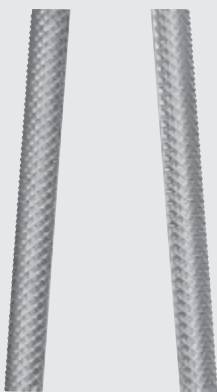
Nahtmaterialgröße  
Suture size

Länge (mm)      2/0 und kleiner  
Length (in.)      2/0 and smaller

190 mm            **FM538R**  
7 1/2"

230 mm            **FM539R**  
9"

250 mm            **FM534R**  
10"



ohne Sperre,  
kräftige  
Ausführung  
without  
ratchet,  
heavy style



Nahtmaterialgröße  
Suture size

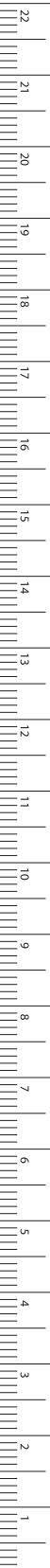
Länge (mm)      2/0 und kleiner  
Length (in.)      2/0 and smaller

190 mm            **FM535R**  
7 1/2"

230 mm            **FM536R**  
9"

250 mm            **FM537R**  
10"

FB



MILLIMETERS



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

DIADUST Mikro-Nadelhalter mit Flachgriff

DIADUST Micro Needle Holders with Flat Handles

DIADUST



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

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145 mm, 5 <sup>3</sup>/<sub>4</sub>"

170 mm, 6 <sup>3</sup>/<sub>4</sub>"

185 mm, 7 <sup>1</sup>/<sub>4</sub>"

210 mm, 8 <sup>1</sup>/<sub>4</sub>"

230 mm, 9"



DIADUST

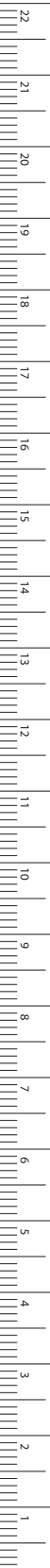


## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

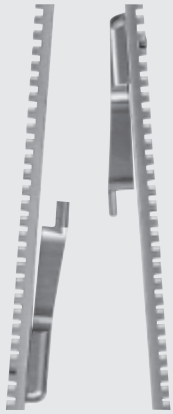
### DIADUST Mikro-Nadelhalter mit Flachgriff

### DIADUST Micro Needle Holders with Flat Handles

FB



MILLIMETERS

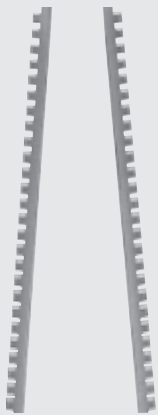


mit Sperre  
with ratchet



Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller
145 mm 5 3/4"		<u>FM541R</u>
170 mm 6 3/4"	<u>FM540R</u>	
185 mm 7 1/4"		<u>FM542R</u>
210 mm 8 1/4"		<u>FM543R</u>
230 mm 9"		<u>FM544R</u>



ohne Sperre  
without  
ratchet



Nahtmaterialgröße  
Suture size

Länge (mm) Length (in.)	7/0 und kleiner 7/0 and smaller	5/0 und kleiner 5/0 and smaller
145 mm 5 3/4"		<u>FM546R</u>
170 mm 6 3/4"	<u>FM545R</u>	
185 mm 7 1/4"		<u>FM547R</u>
210 mm 8 1/4"		<u>FM548R</u>
230 mm 9"		<u>FM549R</u>

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

DIADUST Mikro-Nadelhalter mit Flachgriff

DIADUST Micro Needle Holder with Flat Knurled Handle

DIADUST



DIADUST



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

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185 mm, 7  $\frac{1}{4}$ "

210 mm, 8  $\frac{1}{4}$ "

230 mm, 9"

FB





DIADUST

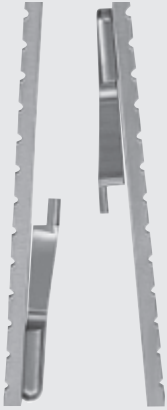


## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

DIADUST Mikro-Nadelhalter mit Flachgriff

DIADUST Micro Needle Holders with Flat Knurled Handle

FB



mit Sperre  
with ratchet



Nahtmaterialgröße  
Suture size

Länge (mm)  
Length (in.)

5/0 und kleiner  
5/0 and smaller

185 mm  
7 1/4"

FM550R

210 mm  
8 1/4"

FM551R

230 mm  
9"

FM552R



ohne Sperre  
without  
ratchet



Nahtmaterialgröße  
Suture size

Länge (mm)  
Length (in.)

5/0 und kleiner  
5/0 and smaller

185 mm  
7 1/4"

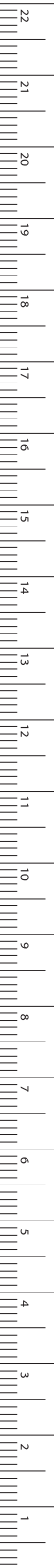
FM553R

210 mm  
8 1/4"

FM554R

230 mm  
9"

FM555R



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## DIADUST Mikro-Nadelhalter

### DIADUST Micro Needle Holders

DIADUST



DIADUST



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

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GLASSER

**FM560R**

Nahtmaterialgröße: 5/0 und kleiner  
Suture size: 5/0 and smaller  
125 mm, 5"



GLASSER

**FM561R**

Nahtmaterialgröße: 5/0 und kleiner  
Suture size: 5/0 and smaller  
180 mm, 7"

FB







DIADUST



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## DIADUST Mikro-Nadelhalter

### DIADUST Micro Needle Holders

FB

**FM236R**  
mit Sperre  
Nahtmaterialgröße: 5/0 und kleiner  
with ratchet  
Suture size: 5/0 and smaller  
210 mm, 8 1/4"  
1/2

**FM276R**  
ohne Sperre  
Nahtmaterialgröße: 5/0 und kleiner  
without ratchet  
Suture size: 5/0 and smaller  
210 mm, 8 1/4"  
1/2

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

**RYDER**  
**BM301R-BM328R**  
Nahtmaterialgröße: 5/0 und kleiner  
Suture Size: 5/0 and smaller



MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Spezialinstrumentarium für die Anlage von AV-Shunts bei Dialysepatienten

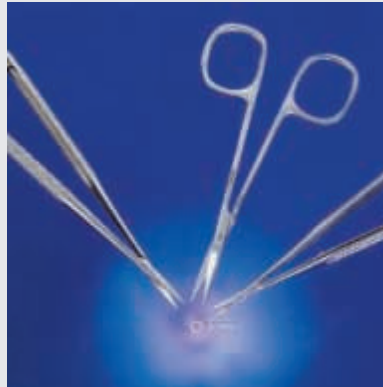
Instruments for Shunt Operations

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 Dialyseshunt 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.

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.



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

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



1/1  
spitz  
sharp

FM042R

Mikro-Schere  
Micro scissors  
180 mm, 7"

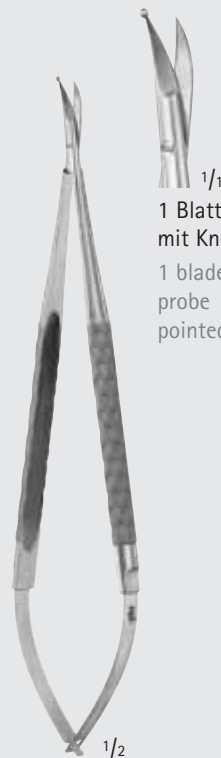


FD251R  
spitz  
sharp

1/1  
spitz/spitz,  
1 Blatt  
gezahnt  
sharp/sharp,  
1 blade  
serrated

FD251R-FD252R

Mikro-Scheren  
Micro scissors  
180 mm, 7"



1/1  
1 Blatt  
mit Knopf  
1 blade  
probe  
pointed

FM043R

Mikro-Schere  
Micro scissors  
180 mm, 7"





BV059R

Wundspreizer  
Self-retaining retractor  
120 mm, 4 3/4"



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery



### Spezialinstrumentarium für die Anlage von AV-Shunts bei Dialysepatienten Instruments for Shunt Operations

1/1  
Ring-Ø: 2 mm  
diam. of ring: 2 mm

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

1/2

DIADUST

1/1  
Ring-Ø: 1 mm  
diam. of ring: 1 mm

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

1/2




DIADUST

2/1

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

1/2




DIADUST

1/1  
mit Plateau  
with platform tip

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

1/2





DIADUST

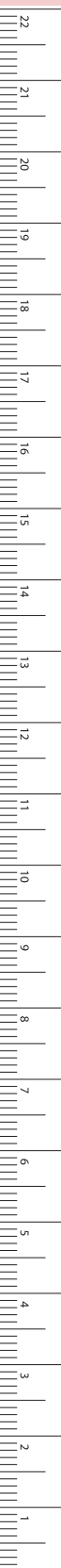
1/1

**FD258R**    **FD259R**

**FD258R-FD259R**  
Mikro-Nadelhalter  
Micro needle holders  
180 mm, 7"

1/2

FB



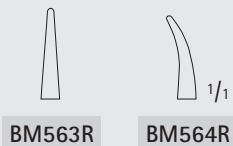
MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Mikro-Nadelhalter mit Flachgriff

### Micro Needle Holders with Flat Handles

FB



BM563R

BM564R

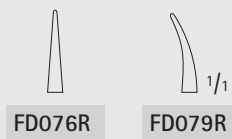
1/2

#### CASTROVIEJO

BM563R-BM564R

mit Sperre  
with catch

145 mm, 5 3/4"



FD076R

FD079R

1/2

FD076R-FD079R

ohne Sperre  
without catch

160 mm, 6 1/4"



FD080R

FD081R

1/2

FD080R-FD081R

ohne Sperre  
without catch

185 mm, 7 1/4"



FD045R

ohne Sperre  
without catch

FD046R

mit Sperre  
with catch

1/2

#### JACOBSON

FD045R-FD046R

185 mm, 7 1/4"



1/1

1/2

FD048R

mit Sperre  
with catch

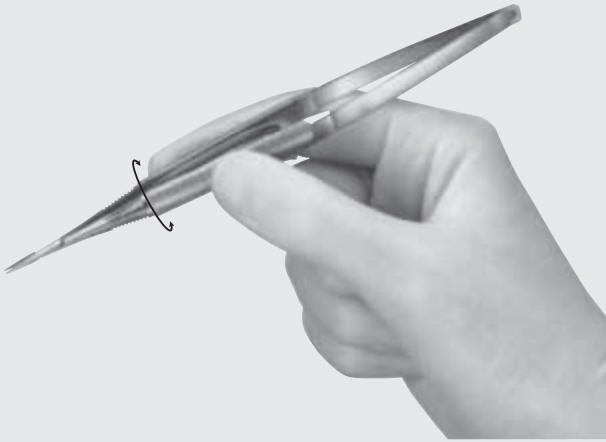
200 mm, 8"



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Mikro-Nadelhalter mit Rundgriffen

### Micro Needle Holders with Round Handles



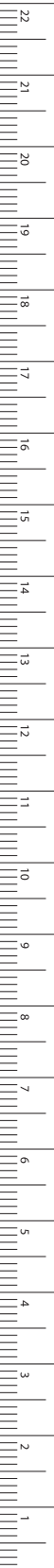
#### ... mit Rundgriffen

- Rundgriffe erlauben Drehbewegungen zwischen den Fingern.
- Optimale Balance, individuell je nach Instrument, durch volle oder gehöhlte Griffpartien.

#### ... with round handles

- Round handles allow turning manipulations between the fingers.
- Optimum balance individually for each instrument due to solid or hollowed-out handles.

FB



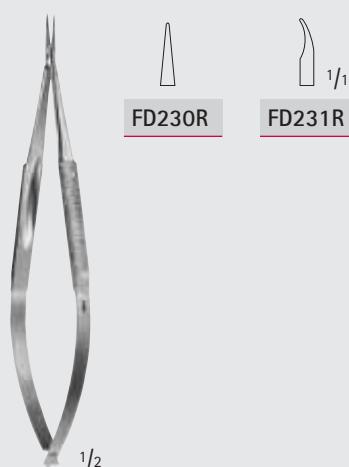
MM/MILLIMETERS



BARRAQUER

**BM560R-BM562R**

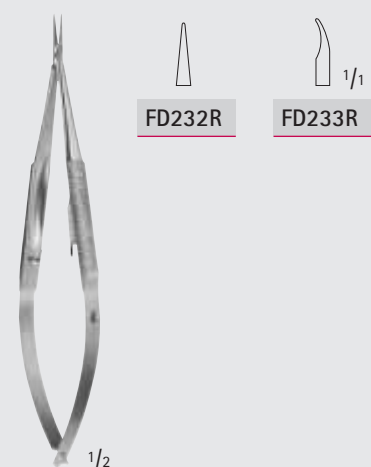
ohne Sperre  
without catch



BARRAQUER

**FD230R-FD231R**

ohne Sperre  
without catch  
120 mm, 4 3/4"



BARRAQUER

**FD232R-FD233R**

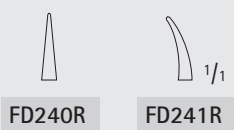
mit Sperre  
with catch  
120 mm, 4 3/4"

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Mikro-Nadelhalter mit Rundgriffen

### Micro Needle Holders with Round Handles

FB



FD240R

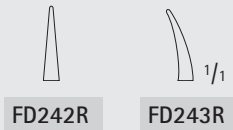
FD241R

1/2

REILL

FD240R-FD241R

ohne Sperre  
without catch  
150 mm, 6"



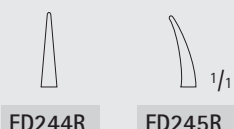
FD242R

FD243R

1/2

FD242R-FD243R

mit Sperre  
with catch  
150 mm, 6"



FD244R

FD245R

1/2

FD244R-FD245R

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



FD246R

FD247R

1/2

FD246R-FD247R

mit Sperre  
with catch  
185 mm, 7 1/4"



FM398R

FM392R

ohne Sperre  
without catch

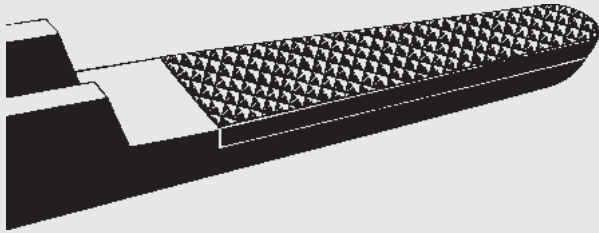
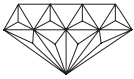
mit Sperre  
with catch

1/2

FM398R-FM392R

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### DUROGRIP® Mikro-Nadelhalter DUROGRIP® Micro Needle Holders



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.

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 sure „grip“ of the resp. needle.



glatt  
smooth



0,2



0,4



0,5

Wir empfehlen Hartmetall-Maulteile mit glatter Fläche für Nahtmaterial mit Teilung 0,2 mm für Nahtmaterial  
0,4 mm  
0,5 mm

9/0 – 11/0  
6/0 – 10/0  
4/0 – 6/0  
bis 3/0

We recommend carbide inserts with smooth jaw surface for suture material with 0.2 mm pitch of serration for suture material  
0.4 mm  
0.5 mm

9/0 – 11/0  
6/0 – 10/0  
4/0 – 6/0  
up to 3/0



**DUROGRIP®-Nadelhalter mit Hartmetall-Plättchen**  
**Kenzeichnung:**

**Vergoldete Ringe, Branchenenden und Sperren**  
DUROGRIP® Needle Holders with carbide inserts  
Identification:  
gold-plated rings, handle ends and ratchets



mit glattem Maul  
with smooth jaw

1/2

**CASTROVIEJO**

**BM001R**

145 mm, 5 3/4"



0,2

1/2

**CASTROVIEJO**

**BM002R**

145 mm, 5 3/4"

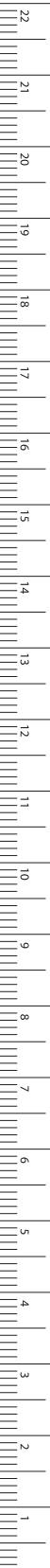


1/1  
0,4

1/2

**BM003R**

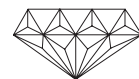
170 mm, 6 3/4"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

DUROGRIP® Mikro-Nadelhalter

DUROGRIP® Micro Needle Holders



FB



CASTROVIEJO

**BM004R**

180 mm, 7"



CASTROVIEJO

**BM005R**

215 mm, 8 1/2"



**FM388R**

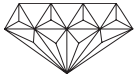
mit Sperre  
with catch  
180 mm, 7"



**FM390R**

mit Sperre  
with catch  
200 mm, 8"





## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### DUROGRIP® Nadelhalter, ergonomische Griff-Form

### DUROGRIP® Nadelhalter, Ergonomic Handle

Diese Instrumente bieten dem Chirurgen ein Maximum an ergonomischem Komfort. Das optimierte Design der Instrumente ermöglicht ein ermüdungsfreies Arbeiten insbesondere bei schwierigen Naht- und Anastomostechiken.

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 anastomosis techniques.

FB



**HELLBERG-KUPKA**  
**BM320R**

mit Anreichsperre  
with locking ratchet  
210 mm, 8 1/4"



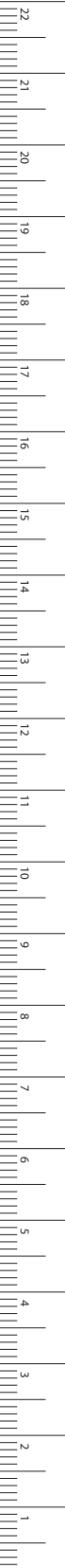
**REIN-KUPKA**  
**BM310R**

ohne Sperre  
without ratchet  
190 mm, 7 1/2"



**REIN-KUPKA**  
**BM311R**

mit Sperre  
with ratchet  
190 mm, 7 1/2"

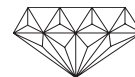


# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

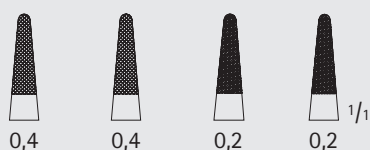
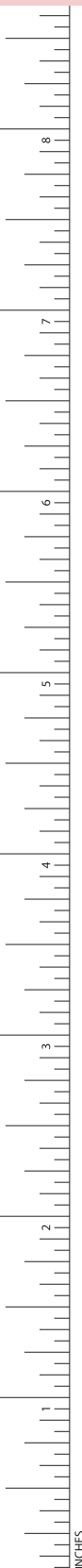
DUROGRIP® Nadelhalter

DUROGRIP® Needle Holders

»grazil«



FB



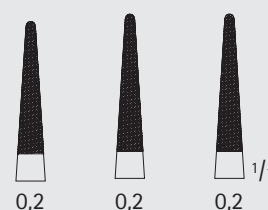
BM033R	BM034R	BM063R	BM064R
165 mm	210 mm	165 mm	210 mm
6 1/2"	8 1/4"	6 1/2"	8 1/4"

DE BAKAY

BM033R-BM064R

sehr fein

very delicate

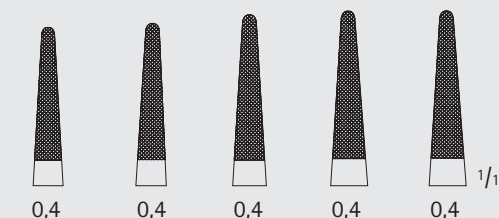


BM025R	BM026R	BM027R
180 mm	200 mm	230 mm
7"	8"	9"

BM025R-BM027R

sehr fein

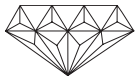
very delicate



BM032R	BM035R	BM036R	BM037R	BM038R
150 mm	180 mm	230 mm	250 mm	305 mm
6"	7"	9"	10"	12"

DE BAKAY

BM032R-BM038R



»grazil«

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

DUROGRIP® Nadelhalter  
DUROGRIP® Needle Holders

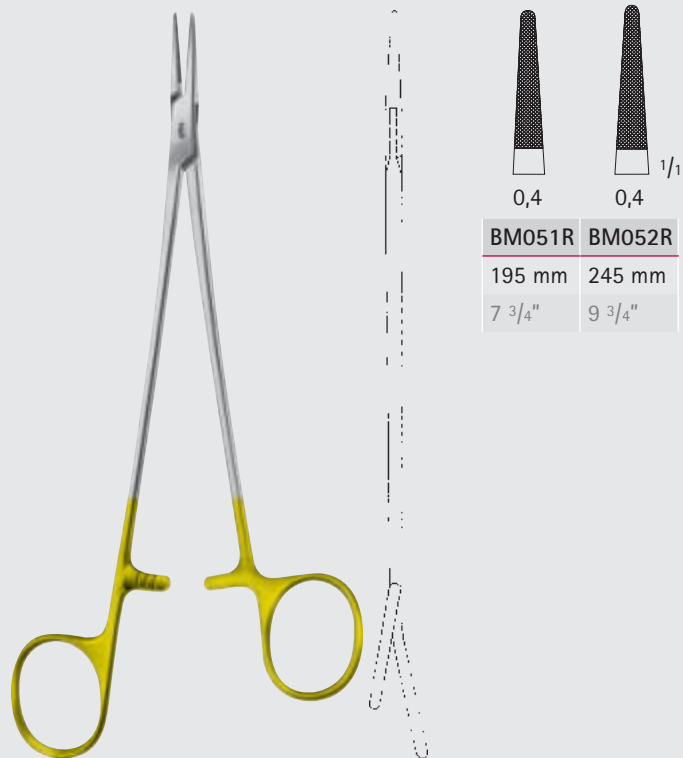
FB



DE BAKEY

**BM040R**

schlankes Modell  
slender pattern  
305 mm, 12"



DE BAKEY

**BM051R-BM052R**

Ringe griffgünstig abgesetzt  
und gebogen  
one extended handle and curved  
rings ensure optimum grip

BM051R	BM052R
195 mm	245 mm
7 3/4"	9 3/4"

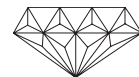


MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

DUROGRIP® Nadelhalter

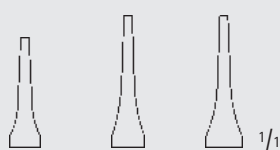
DUROGRIP® Needle Holders



Diese Spezialmodelle mit extra schmalen Mäulern eignen sich für atraumatische Nadeln und für feine Gefäßnadeln.

These special patterns with extremely fine jaws are suitable for holding non-traumatic needles and fine vein needles.

FB



BM074R	BM075R	BM076R
150 mm	180 mm	230 mm
6"	7"	9"

RYDER

BM074R-BM076R

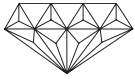
mit glattem Maul  
with smooth jaws



1/2

BM184R

200 mm, 8"



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

DUROGRIP® Nadelhalter  
DUROGRIP® Needle Holders

Diese Spezialmodelle mit extra schmalen Mäulern eignen sich für atraumatische Nadeln und für feine Gefäßnadeln.

These special patterns with extremely fine jaws are suitable for holding non-traumatic needles and fine vein needles.

FB

»grazil«

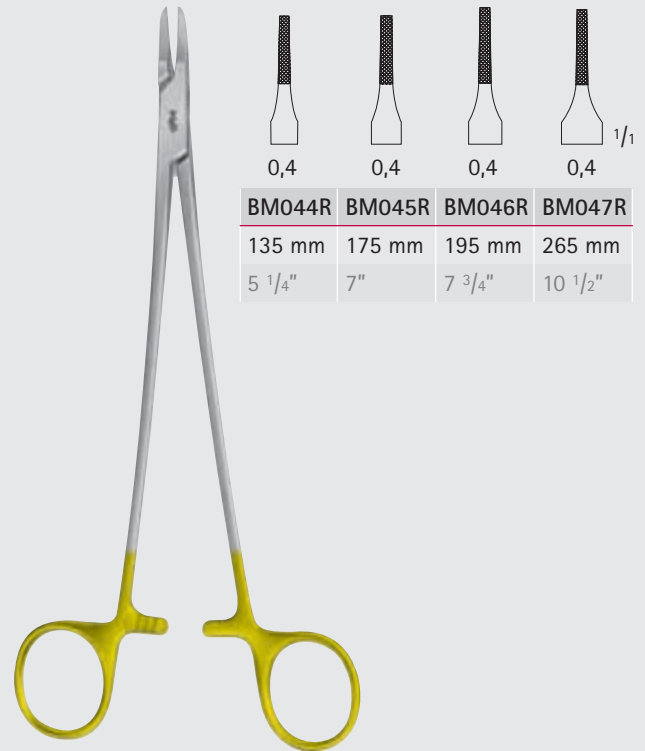


BM054R	BM055R	BM056R	BM057R	BM058R
135 mm	155 mm	175 mm	210 mm	230 mm
5 1/4"	6"	7"	8 1/4"	9"

RYDER

**BM054R-BM058R**

sehr fein  
very delicate



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**



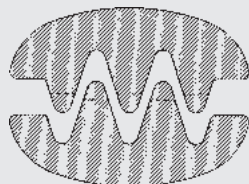
MILLIMETERS



**DE BAKY**

1 : 2 Zahnreihen

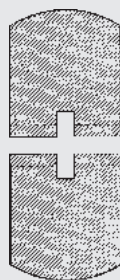
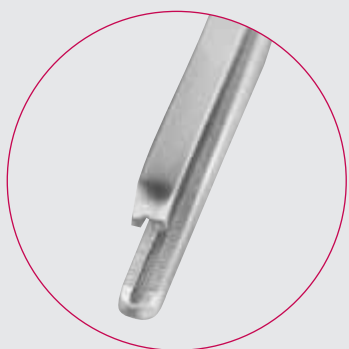
1 : 2 rows of teeth



**DE BAKY**

2 : 3 Zahnreihen

2 : 3 rows of teeth



**COOLEY**

2 : 2 Zahnreihen

2 : 2 rows of teeth





DE BAKEY Zahnung

Toothing DE BAKEY

AIRAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Ultra-Light-Pinzetten

Ultra-Light-Forceps

FB



Model	Tip Width	Length (mm)	Length (inches)
FC411R	1,2 mm	150 mm	6"
FC412R	1,5 mm	200 mm	8"
FC413R	1,5 mm	240 mm	9 1/2"
FC418R	1,5 mm	300 mm	12"

DE BAKEY  
FC411R-FC418R



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Pinzetten  
Forceps

DE BAKEY Zahnung

ARAUMATA® Toothing DE BAKEY

FB



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





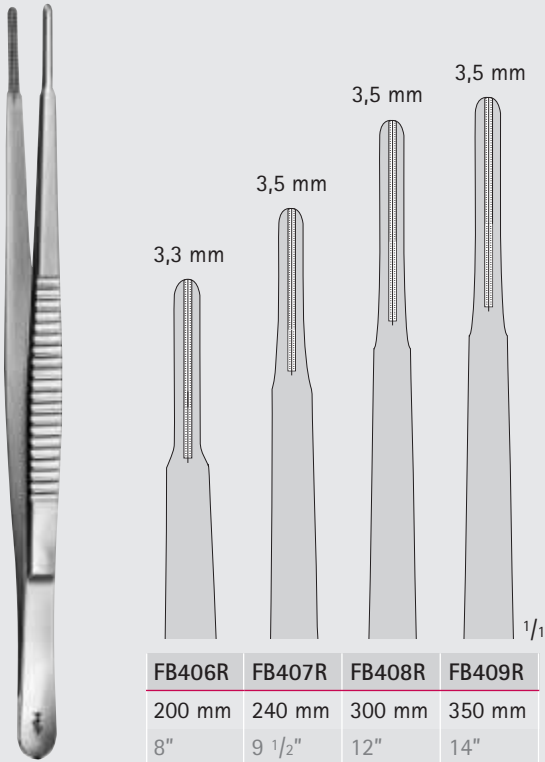
DE BAKEY Zahnung

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Pinzetten  
Forceps

Toothing DE BAKEY

**AIRAUMATA®**



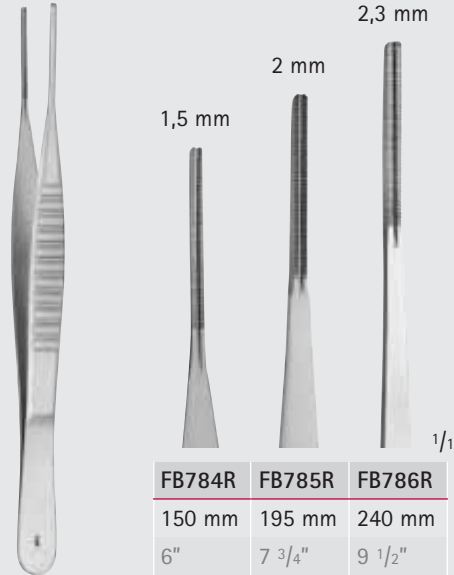
DE BAKEY

**FB406R-FB409R**

COOLEY Zahnung

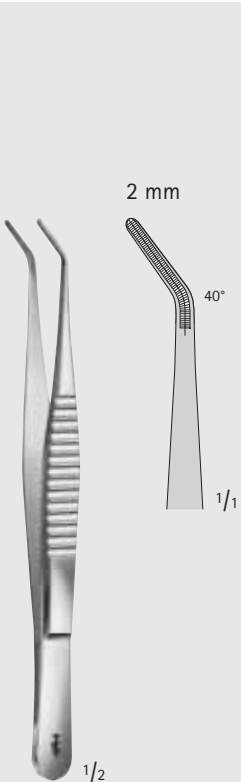


Toothing COOLEY



COOLEY

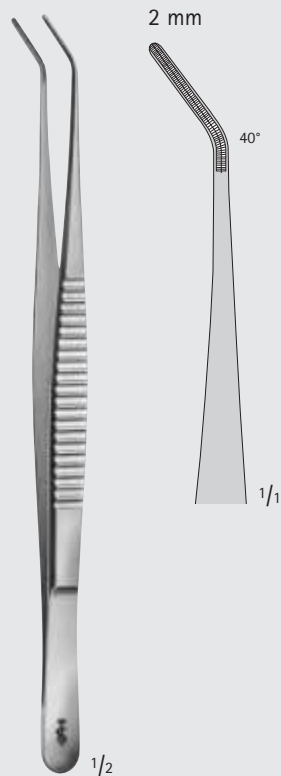
**FB784R-FB786R**



DE BAKEY

**FB401R**

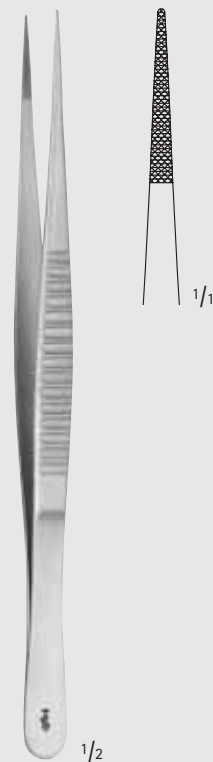
150 mm, 6"



DE BAKEY

**FB403R**

200 mm, 8"

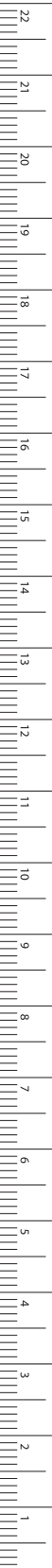


COOLEY

**BD250R**

200 mm, 8"

**FB**



MILLIMETERS

### Gefäßclips nach MÜLLER

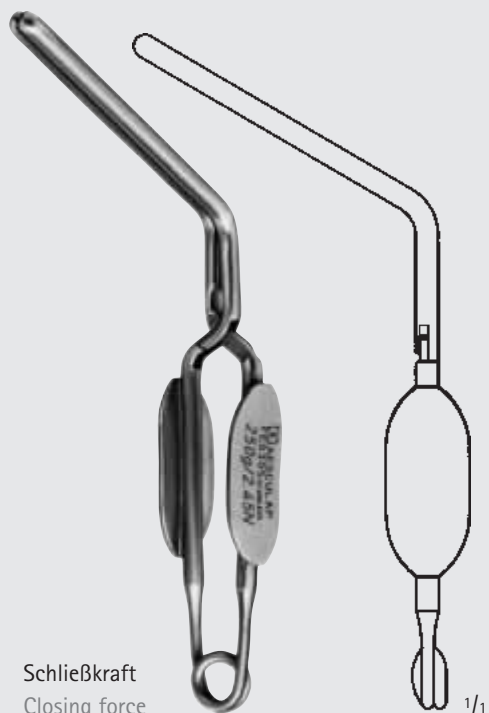
#### Merkmale:

- 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.

### MÜLLER Vascular Clips

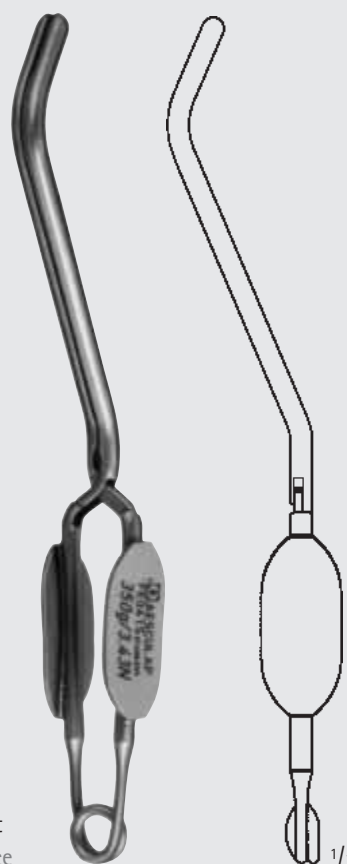
#### Features:

- Atraumatic mouth 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 mouth box guarantees precise guidance of the working tips. No risk of threads getting tangled up in clip.



Schließkraft  
Closing force

MÜLLER  
250 g **FE030S**  
350 g **FE040S**  
gerade  
straight



Schließkraft  
Closing force

MÜLLER  
250 g **FE031S**  
350 g **FE041S**  
gebogen  
curved





DE BAKEY Zahnung

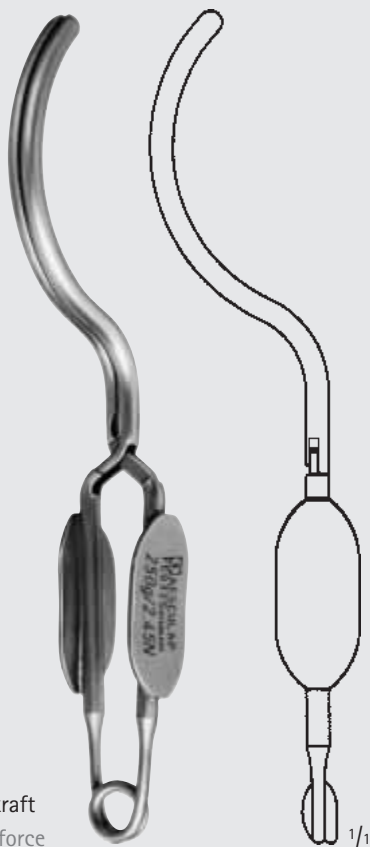


Toothing DE BAKEY

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gefäßclips  
Vascular Clips

FB



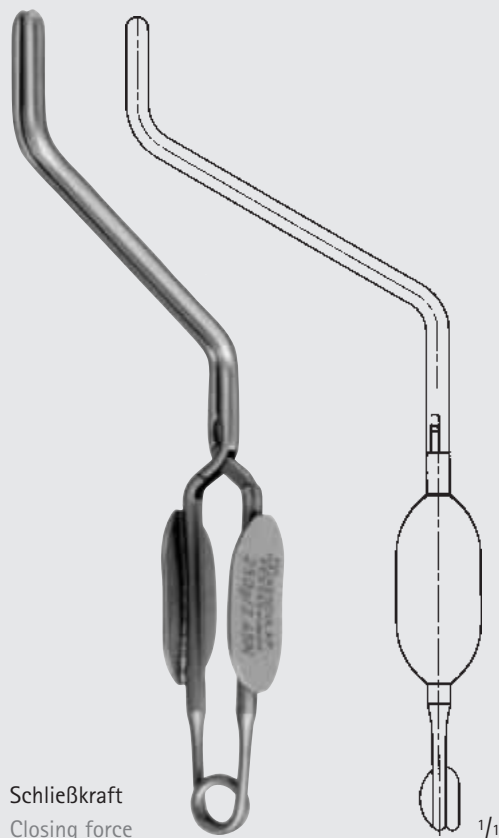
Schließkraft  
Closing force

MÜLLER

250 g FE032S

350 g FE042S

Spitze gebogen  
curved tips



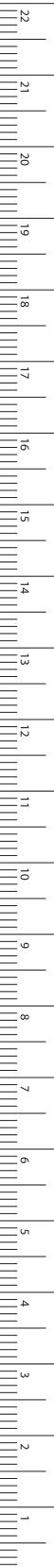
Schließkraft  
Closing force

MÜLLER

250 g FE034S

350 g FE044S

kniegebogen  
knee-bent



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Bulldogklemmen

## Bulldog Clamps

FB



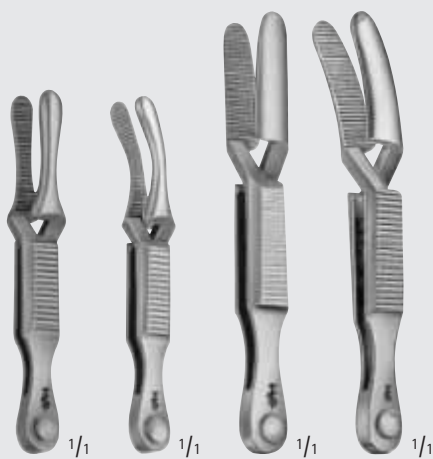
### JOHNS-HOPKINS

**BH018R**

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

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

240 mm, 9 3/4"



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

### DIEFFENBACH

Gesamtlänge: Maullänge:  
 Total length: Jaw length:

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

Gesamtlänge: Maullänge:  
 Total length: Jaw length:

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"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Bulldogklemmen

## Bulldog Clamps

FB



1/1

DE BAKEY-HESS

**BH030R**

Gesamtlänge: 34 mm  
 Total length: 1 3/8"  
 Maullänge: 20 mm  
 Jaw length: 3/4"



**FB328R**

Gesamtlänge: 35 mm  
 Total length: 1 3/8"  
 Maullänge: 14 mm  
 Jaw length: 1/2"



**FB329R**

Gesamtlänge: 35 mm  
 Total length: 1 3/8"  
 Maullänge: 14 mm  
 Jaw length: 1/2"



**FB330R**

Gesamtlänge: 45 mm  
 Total length: 1 3/4"  
 Maullänge: 19 mm  
 Jaw length: 3/4"



1/1

**FB331R**

Gesamtlänge: 45 mm  
 Total length: 1 3/4"  
 Maullänge: 19 mm  
 Jaw length: 3/4"



1/1

DE BAKEY-HESS

**BH031R**

Gesamtlänge: 43 mm  
 Total length: 1 7/10"  
 Maullänge: 30 mm  
 Jaw length: 1 3/16"



DIETHRICH

**MB285R**

Gesamtlänge: 55 mm  
 Total length: 2 1/8"  
 Maullänge: 13 mm  
 Jaw length: 1/2"



DIETHRICH

**BH032R**

Gesamtlänge: 48 mm  
 Total length: 1 7/8"  
 Maullänge: 10 mm  
 Jaw length: 3/8"



1/1

DIETHRICH

**BH034R**

Gesamtlänge: 48 mm  
 Total length: 1 7/8"  
 Maullänge: 13 mm  
 Jaw length: 1/2"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Bulldogklemmen

### Bulldog Clamps

DE BAKEY Zahnung

ARAUMATA®

Toothing DE BAKEY

#### Mini-Bulldogklemmen

Schließdruck 180 g

Mini-bulldog clamps

Closing force 180 g

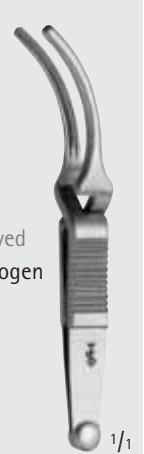
gerade  
straight



gewinkelt, 55°  
angled, 55°



curved  
gebogen



	<b>FB362R</b>	<b>FB364R</b>	<b>FB366R</b>	<b>FB363R</b>	<b>FB365R</b>	<b>FB367R</b>	<b>FB369R</b>
Gesamtlänge:	50 mm	55 mm	60 mm	50 mm	50 mm	55 mm	55 mm
Total length:	2"	2 1/8"	2 3/8"	2"	2"	2 1/8"	2 1/8"
Maullänge:	10 mm	14 mm	20 mm	10 mm	14 mm	20 mm	20 mm
Jaw length:	3/8"	1/2"	3/4"	3/8"	1/2"	3/4"	3/4"



DE BAKEY  
**FB352R**



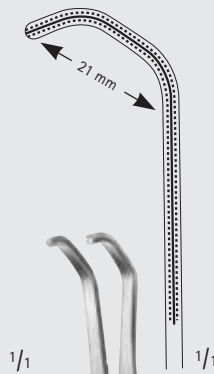
DE BAKEY  
**FB353R**



GLOVER  
**FB431R**



DE BAKEY  
**FB357R**



DE BAKEY  
**FB358R**



DE BAKEY  
**FB359R**

Gesamtlänge:	50 mm	48 mm	52 mm	73 mm	99 mm	95 mm
Total length:	2"	2"	2"	2 3/4"	4"	3 1/2"
Maullänge:	27 mm	27 mm	35 mm	38 mm	63 mm	54 mm
Jaw length:	1 1/8"	1 1/8"	1 1/3"	1 1/2"	2 1/2"	2 1/8"



DE BAKEY Zahnung

Toothing DE BAKEY

AIRAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Bulldogklemmen

Bulldog Clamps

FB



	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY	DE BAKEY
	<b>FB420R</b>	<b>FB422R</b>	<b>FB424R</b>	<b>FB426R</b>	<b>FB421R</b>	<b>FB423R</b>	<b>FB425R</b>	<b>FB427R</b>
Gesamtlänge:	80 mm	90 mm	105 mm	124 mm	78 mm	86 mm	97 mm	114 mm
Total length:	3 1/8"	3 1/2"	4 1/8"	5"	3 1/8"	3 3/8"	3 3/4"	4 1/2"
Maullänge:	25 mm	35 mm	50 mm	68 mm	23 mm	31 mm	42 mm	58 mm
Length of jaw:	1"	1 3/8"	2"	2 3/4"	1"	1 1/8"	1 3/4"	2 3/8"



	GLOVER	GLOVER	GLOVER	GLOVER	GLOVER	GLOVER
	<b>FB432R</b>	<b>FB434R</b>	<b>FB436R</b>	<b>FB433R</b>	<b>FB435R</b>	<b>FB437R</b>
Gesamtlänge:	68 mm	96 mm	117 mm	65 mm	91 mm	110 mm
Total length:	2 3/4"	3 3/4"	4 3/4"	2 1/2"	3 1/2"	4 3/8"
Maullänge:	33 mm	50 mm	69 mm	33 mm	50 mm	69 mm
Length of jaw:	1 3/8"	2"	2 3/4"	1 3/8"	2"	2 3/4"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Bulldogklemmen mit Ringgriffen

Ring Handle Bulldog Clamps

DE BAKEY Zahnung

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FB



DE BAKEY

**FB540R**

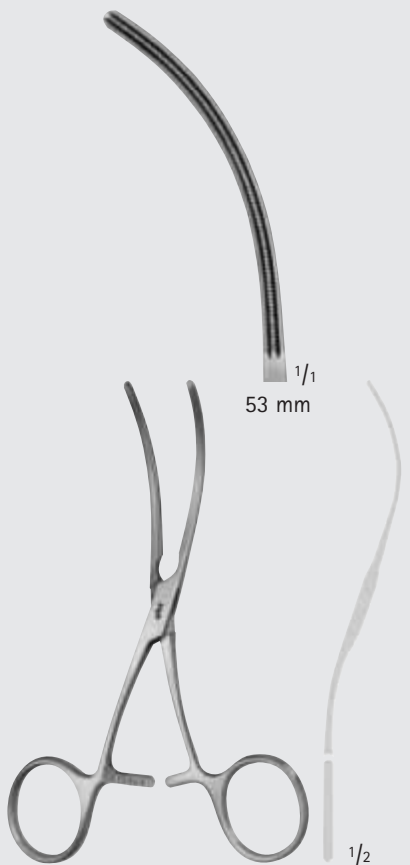
gerade  
straight  
130 mm, 5 1/8"



DE BAKEY

**FB541R**

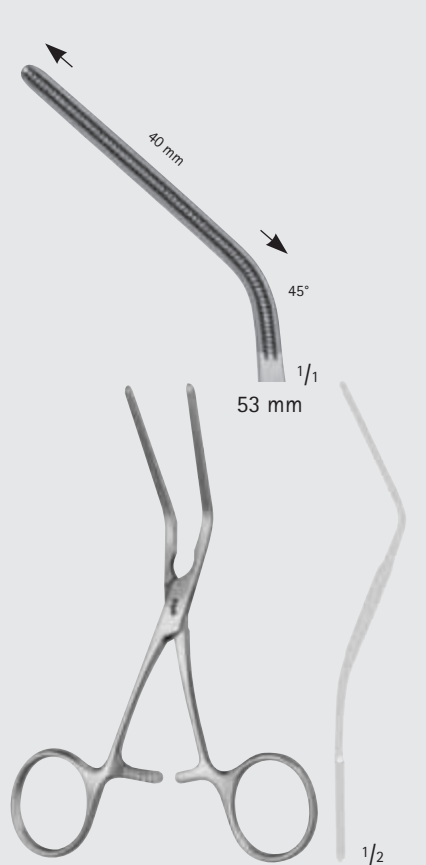
Maul gebogen  
curved jaws  
125 mm, 5"



DE BAKEY

**FB542R**

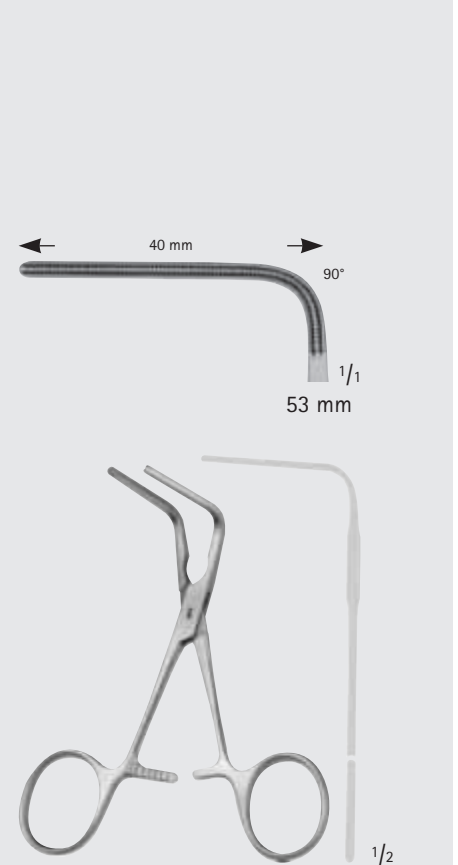
S-förmig  
S-shaped  
125 mm, 5"



DE BAKEY

**FB543R**

45° winklig gebogen  
angled 45°  
125 mm, 5"



DE BAKEY

**FB544R**

90° winklig gebogen  
angled 90°  
105 mm, 4 1/8"





DE BAKEY Zahnung

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# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosen-, Mehrzweckklemmen für Neugeborene  
Anastomosis-, Multi-Purpose-Clamps for Neonatales

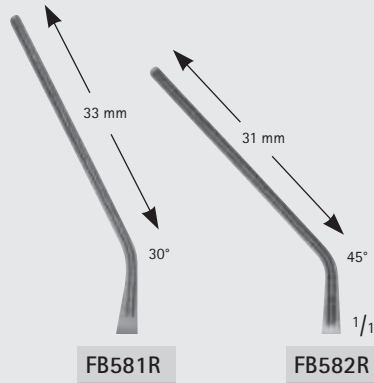
**FB**



CASTANEDA

**FB581R-FB582R**

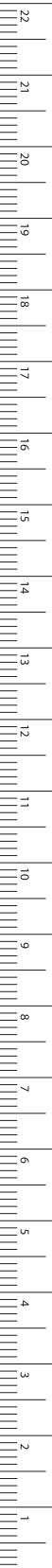
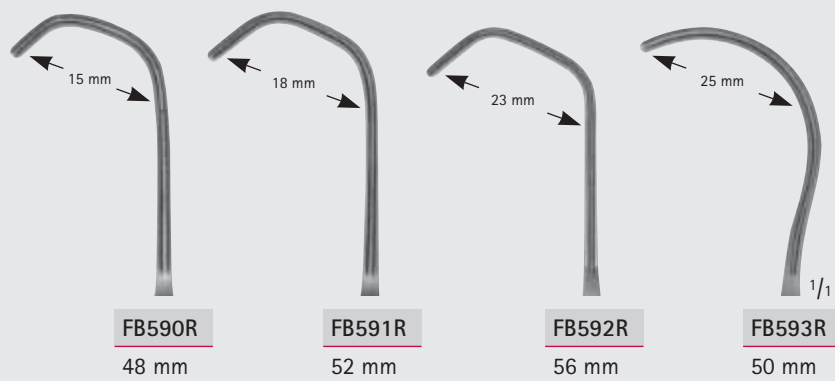
120 mm, 4 3/4"



CASTANEDA

**FB590R-FB593R**

155 mm, 6"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosen- und Mehrzweckklemmen - Kinder-Modelle

Anastomosis- and Multi-Purpose-Clamps - Pediatric Patterns

ARAUMATA®

DE BAKEY Zahnung

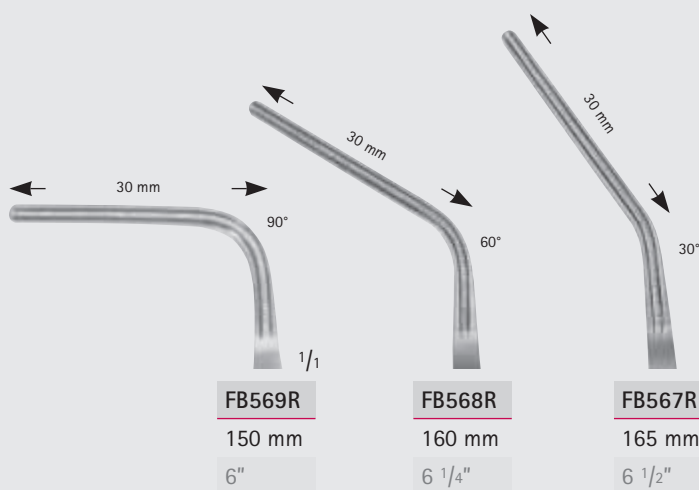
Toothing DE BAKEY

FB



DE BAKEY

FB557R-FB558R



COOLEY

FB567R-FB569R



DE BAKEY Zahnung

Toothing DE BAKEY

**AIRAUMATA®**

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosen-, Mehrzweckklemmen - Kinder-Modelle

Anastomosis-, Multi-Purpose-Clamps - Pediatric Patterns

**FB**



**FB559R**

170 mm

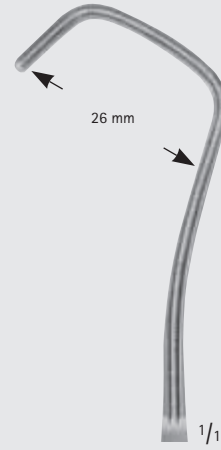
6 3/4"



**FB560R**

170 mm

6 3/4"



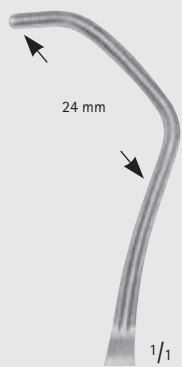
**FB561R**

175 mm

7"

DERRA

**FB559R-FB561R**



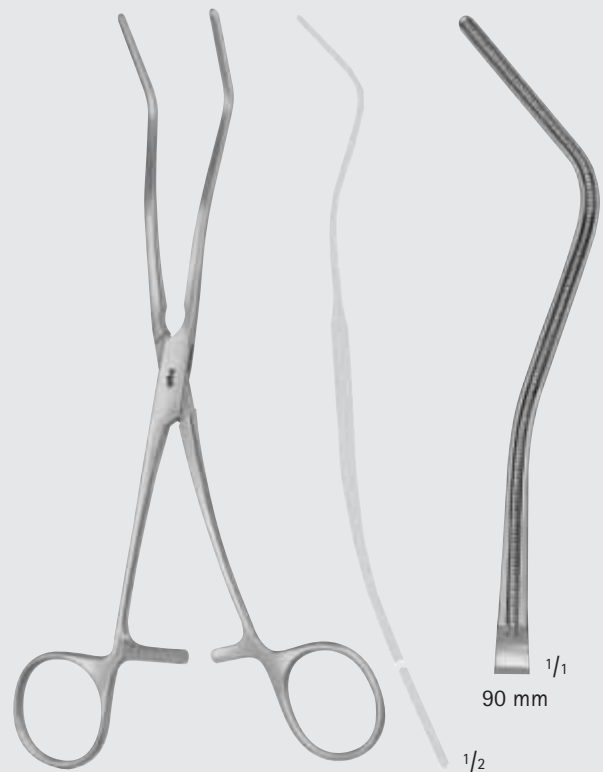
1/1

1/2

COOLEY

**FB563R**

160 mm, 6 1/4"



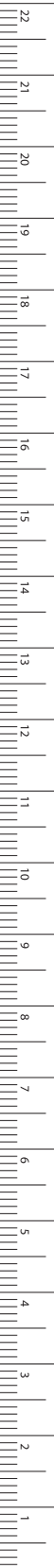
1/1  
90 mm

1/2

COOLEY

**FB570R**

200 mm, 8"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Gefäßklemmen

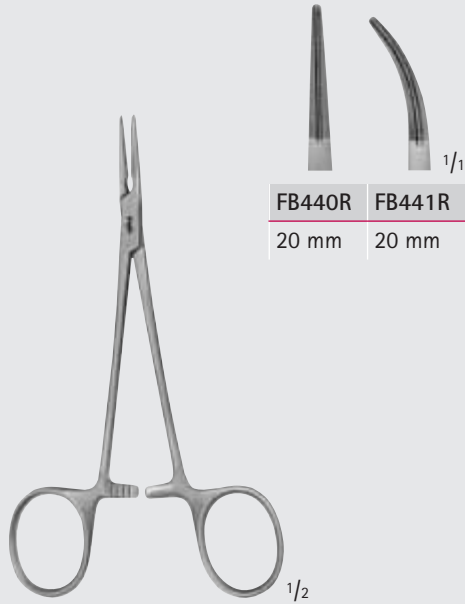
### Hemostatic Forceps

DE BAKEY Zahnung

ARAUMATA®

Toothing DE BAKEY

FB



FB440R	FB441R
20 mm	20 mm

**FB440R-FB441R**  
Mosquitoklemmen  
Mosquito Forceps  
125 mm, 5"



FB442R	FB443R
27 mm	27 mm

**FB442R-FB443R**  
Mosquitoklemmen  
Mosquito forceps  
165 mm, 6 1/2"



FB446R	FB447R
40 mm	40 mm

**FB446R-FB447R**  
DE BAKEY-BAINBRIDGE  
155 mm, 6"



FB448R	FB449R
65 mm	65 mm

**FB448R-FB449R**  
DE BAKEY-BAINBRIDGE  
180 mm, 7"



DE BAKEY Zahnung

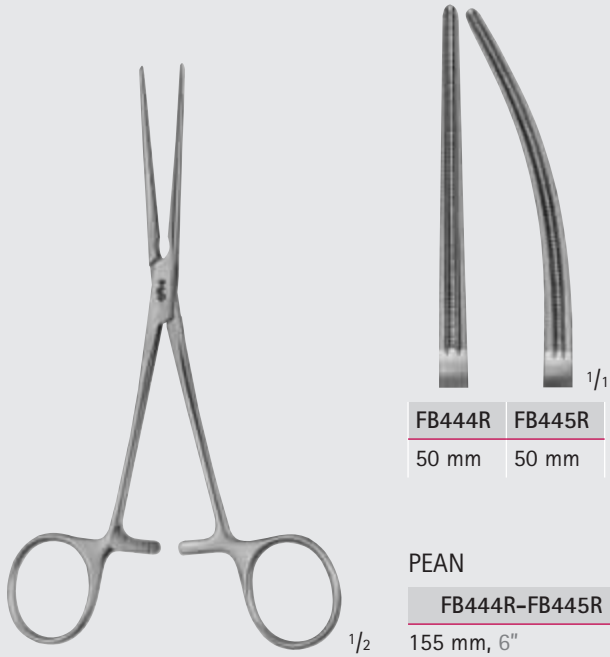
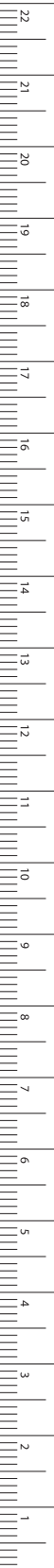
Toothing DE BAKEY

AIRAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gefäßklemmen  
Hemostatic Forceps

FB



FB444R	FB445R
50 mm	50 mm

PEAN
FB444R-FB445R
155 mm, 6"



FB526R	FB532R	FB534R
60 mm	89 mm	99 mm
200 mm	265 mm	280 mm
8"	10 1/2"	11"

FB527R	FB533R	FB535R
60 mm	89 mm	99 mm
200 mm	260 mm	275 mm
8"	10 1/4"	10 3/4"

DE BAKEY-PEAN

FB526R-FB535R

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Klemmen für Nieren- und Pankreaseingriffe

Kidney and Pankreas Clamps

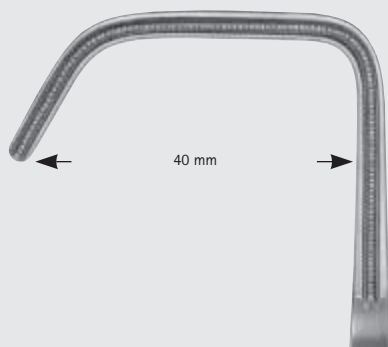
DE BAKEY Zahnung



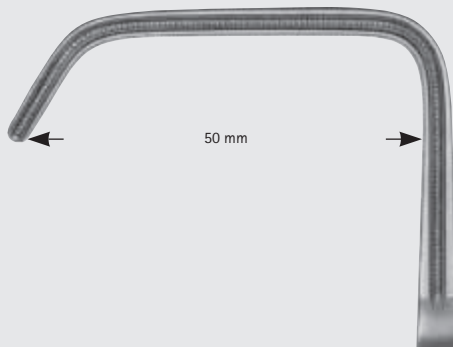
Toothing DE BAKEY

ARAUMATA®

FB



FB528R



FB529R



HOPT



FB530R

FB528R	230 mm	9"
FB529R	235 mm	9 1/4"
FB530R	245 mm	9 3/4"



DE BAKEY Zahnung

Toothing DE BAKEY

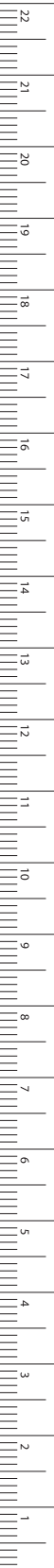
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# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Präparier- und Ligaturklemmen

Dissecting- and Ligature Forceps

FB



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**FB486R**  
81 mm

**FB487R**  
81 mm

1/1

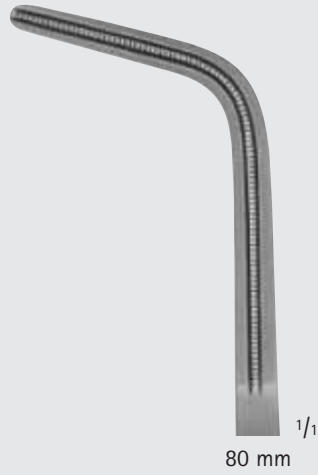
80 mm  
1/1

70 mm  
1/1



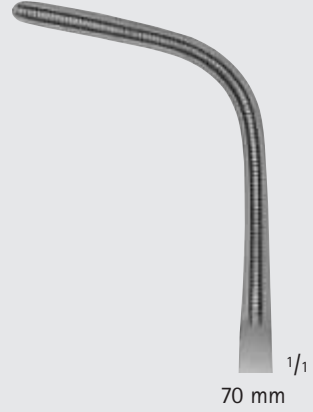
DE BAKEY-RUMEL

<b>FB486R</b>	250 mm	10"
<b>FB487R</b>	245 mm	9 3/4"



DE BAKEY-MIXTER

**FB497R**  
285 mm, 11 1/4"



DE BAKEY-MC QUIGG-MIXTER

**FB496R**  
210 mm, 8 1/4"

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Präparier- und Ligaturklemmen, Profunda Klemmen

Dissecting- and Ligature Forceps, Profunda Clamps

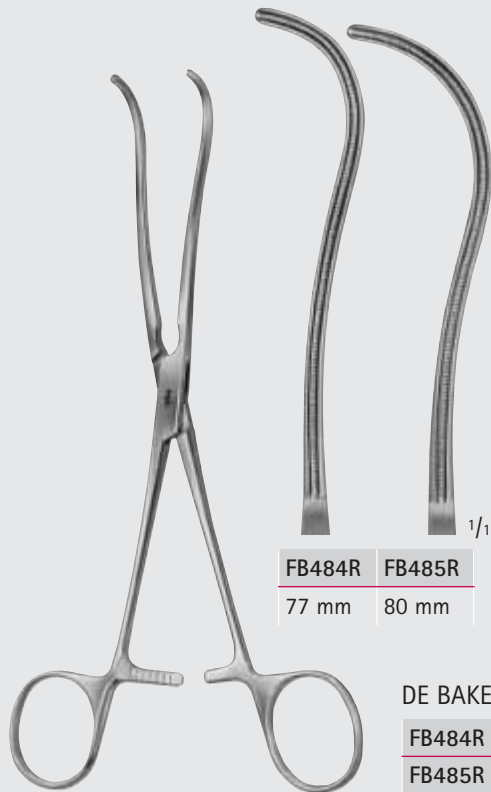
DE BAKEY Zahnung



**AIRAUMATA®**

Toothing DE BAKEY

**FB**



<b>FB484R</b>	<b>FB485R</b>
77 mm	80 mm

DE BAKEY

<b>FB484R</b>	190 mm	7 1/2"
<b>FB485R</b>	230 mm	9"



GREGORY

<b>MB750R</b>	57 mm
<b>MB751R</b>	62 mm

Profunda Klemmen

Profunda clamps

200 mm, 8"



DE BAKEY

<b>FB483R</b>	240 mm, 9 1/2"
---------------	----------------



<b>FB498R</b>	<b>FB499R</b>
51 mm	75 mm

DE BAKEY

<b>FB498R</b>	210 mm	8 1/4"
<b>FB499R</b>	230 mm	9"





DE BAKEY Zahnung

Toothing DE BAKEY

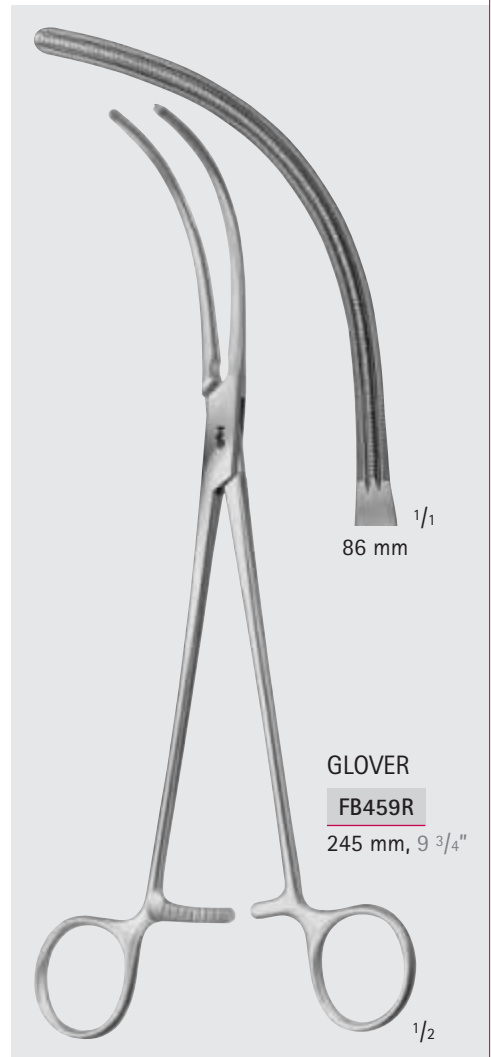
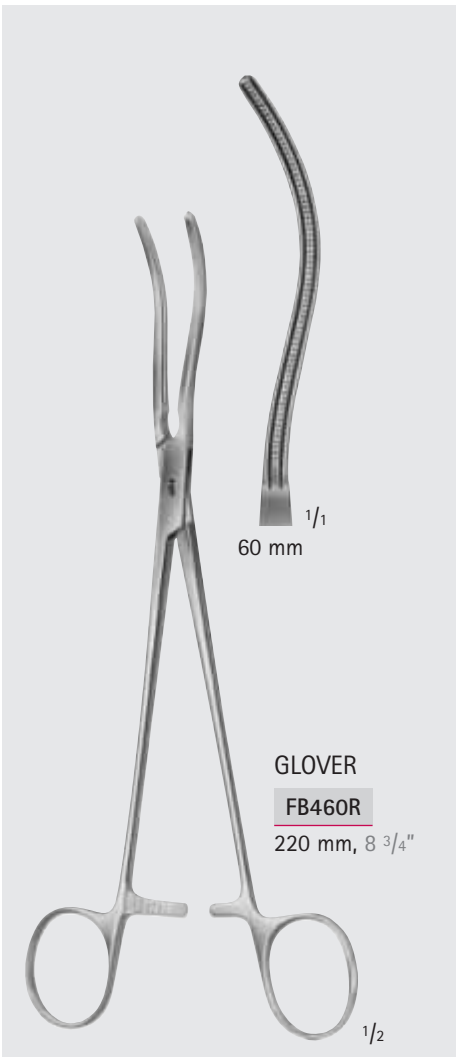
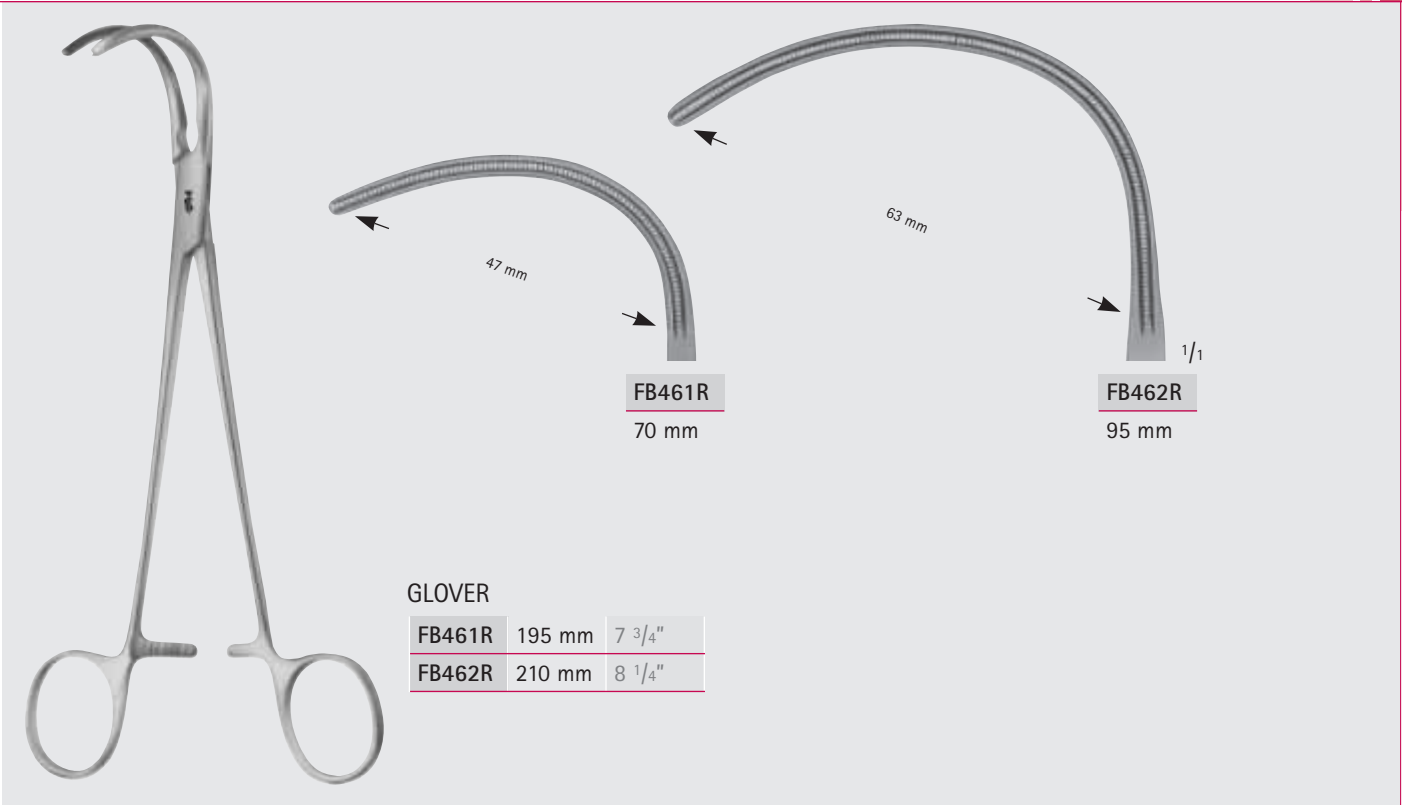
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# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen

Anastomosis Clamps

FB



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Vena-Cava-Klemmen

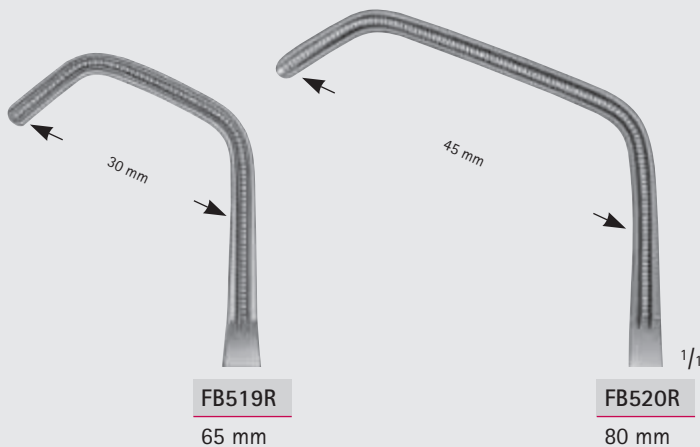
Vena Cava Clamps

DE BAKEY Zahnung

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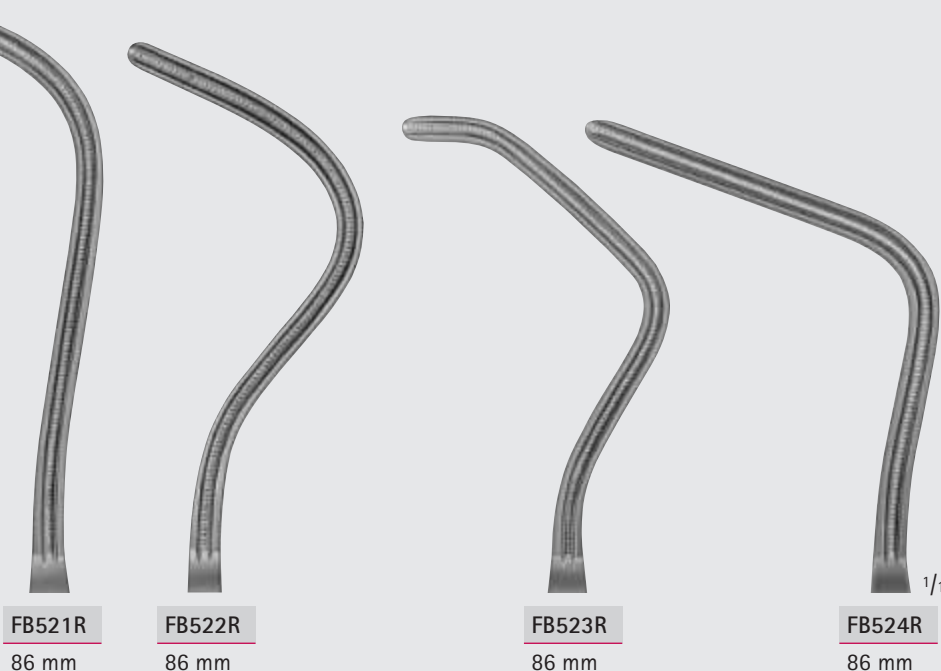
Toothing DE BAKEY

FB



### DE BAKEY-BECK

FB519R	205 mm	8"
FB520R	210 mm	8 1/4"



### DE BAKEY-HARKEN

FB521R	255 mm	10"
FB522R	245 mm	9 3/4"
FB523R	245 mm	9 3/4"
FB524R	245 mm	9 3/4"



DE BAKEY Zahnung

Toothing DE BAKEY

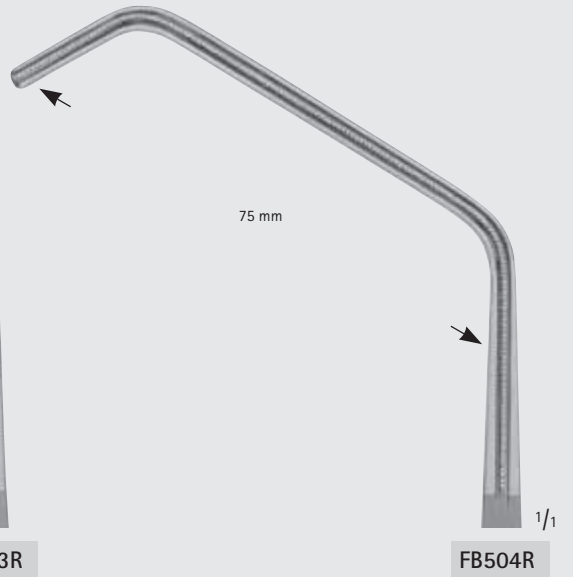
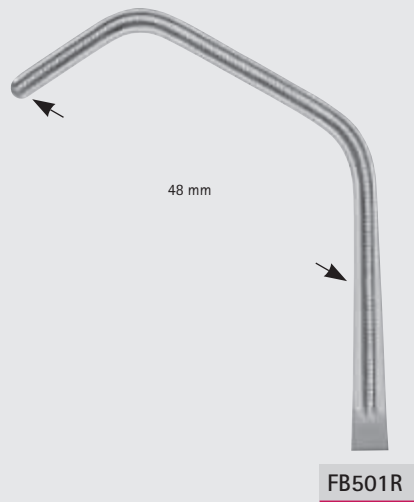
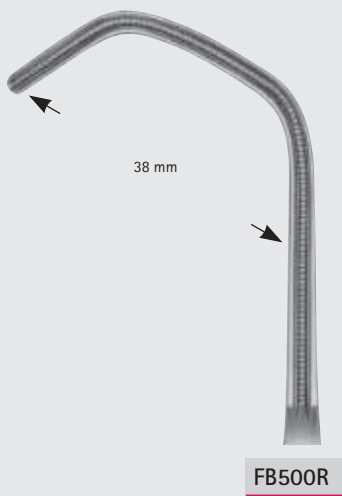
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## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gefäßklemmen für Tangential-Verschluss

Tangential Occlusion Clamps

FB



DE BAKEY

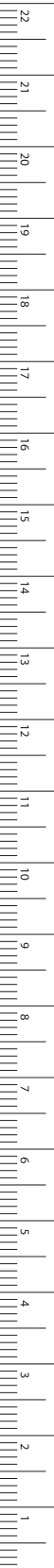
Gesamtlänge:

Total Length:

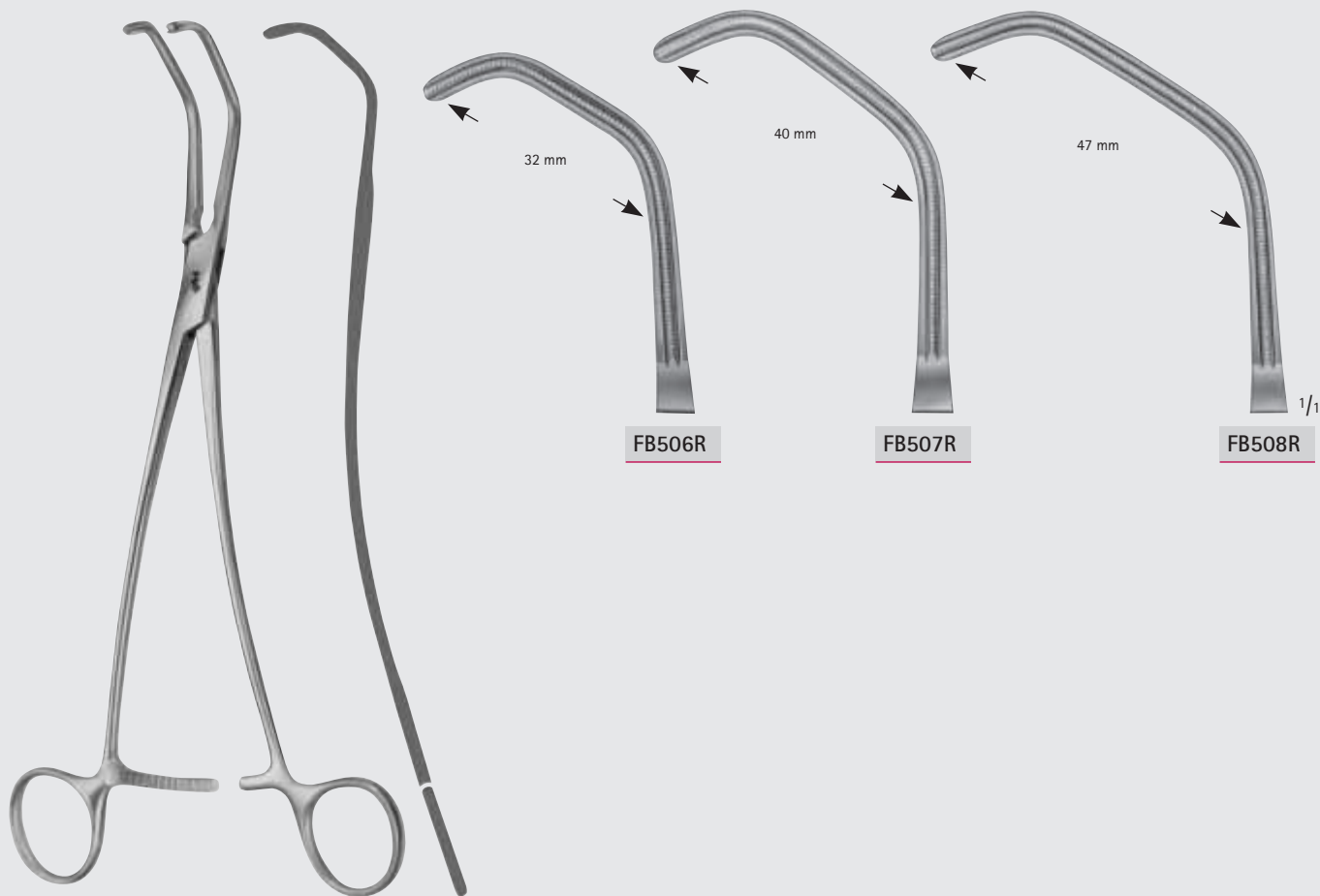
Maullänge:

Jaw length:

	FB500R	FB501R	FB502R	FB503R	FB504R
Gesamtlänge:	220 mm	265 mm	270 mm	270 mm	280 mm
Total Length:	7 3/4"	10 1/4"	10 3/4"	10 3/4"	11"
Maullänge:	85 mm	95 mm	99 mm	103 mm	119 mm
Jaw length:	3 3/8"	3 3/4"	4"	4 1/8"	4 3/4"



MILLIMETERS



DE BAKEY-SATINSKY

	FB506R	FB507R	FB508R
Gesamtlänge:	235 mm	240 mm	245 mm
Total Length:	9 1/4"	9 1/2"	9 3/4"
Maullänge:	68 mm	76 mm	84 mm
Jaw length:	2 3/4"	3"	3 3/8"



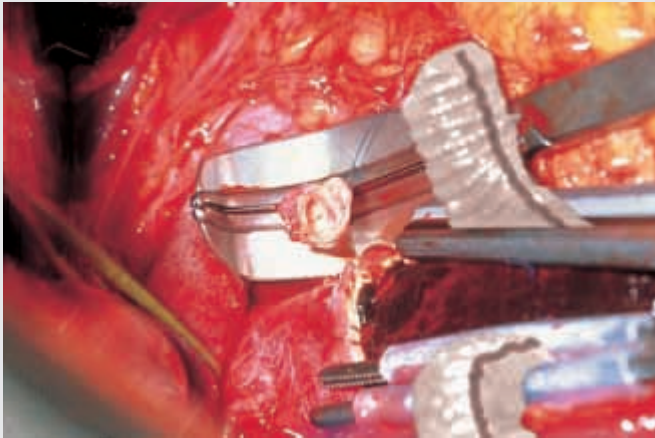
DE BAKEY Zahnung

Toothing DE BAKEY

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## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gefäßklemmen  
Hemostatic Forceps



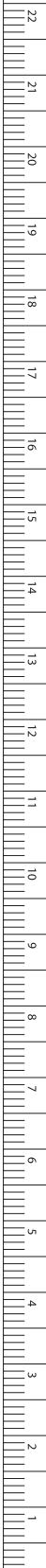
ALLENBERG

**FB587R-FB588R**

mit Retraktionsblättern zum Weghalten von Weichteilen während der Anastomose  
with retraction blades for retraction of soft tissue during the anastomosis



FB



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Coarctationsklemmen

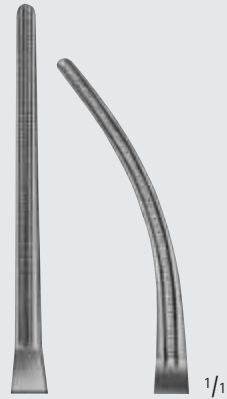
### Coarctation Clamps

DE BAKEY Zahnung

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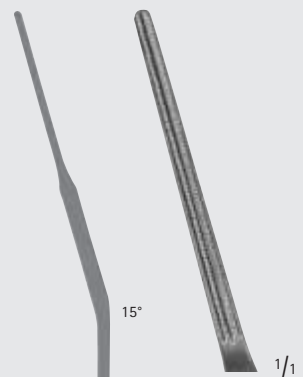
FB



FB552R	FB554R
50 mm	50 mm

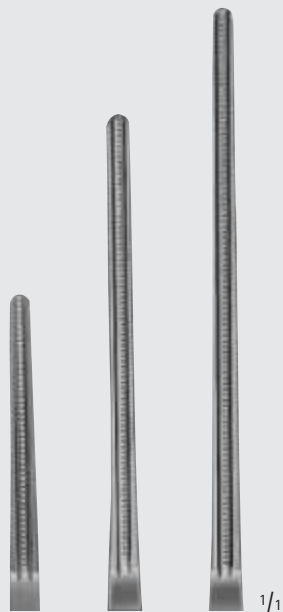
DE BAKEY

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



DE BAKEY

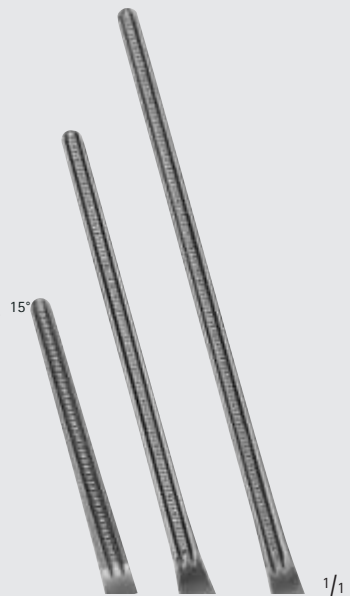
FB553R	165 mm, 6 1/2"
--------	----------------



FB452R	FB454R	FB456R
41 mm	65 mm	80 mm

DE BAKEY

FB452R	205 mm	8"
FB454R	225 mm	9"
FB456R	240 mm	9 1/2"



FB453R	FB455R	FB457R
41 mm	65 mm	80 mm

DE BAKEY

FB453R	200 mm	8"
FB455R	225 mm	9"
FB457R	240 mm	9 1/2"



DE BAKEY Zahnung

Toothing DE BAKEY

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## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Patent-Ductusklemmen, Peripheralklemmen

Patent-Ductus-Clamps, Peripheral-Vascular-Clamps

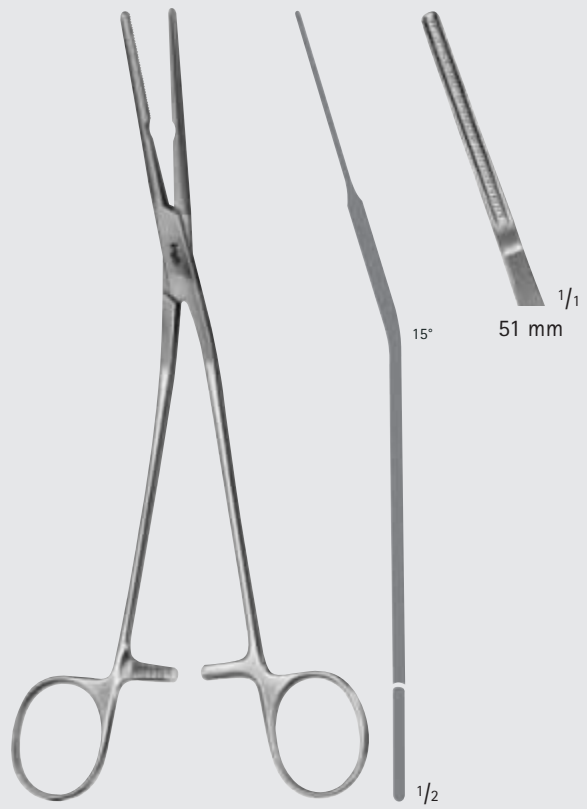
FB



DE BAKEY

FB450R

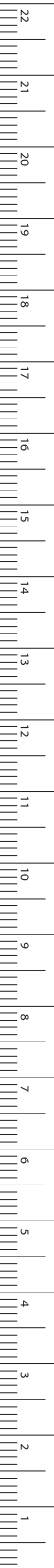
210 mm, 8 1/4"



DE BAKEY

FB451R

210 mm, 8 1/4"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Patent-Ductusklemmen, Peripheralklemmen

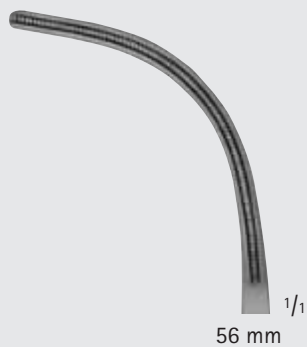
Patent-Ductus-Clamps, Peripheral-Vascular-Clamps

DE BAKEY Zahnung

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Toothing DE BAKEY

FB



56 mm

1/1



90 mm

1/1



92,5 mm

1/1



1/2

DE BAKEY

FB463R

160 mm, 6 1/4"

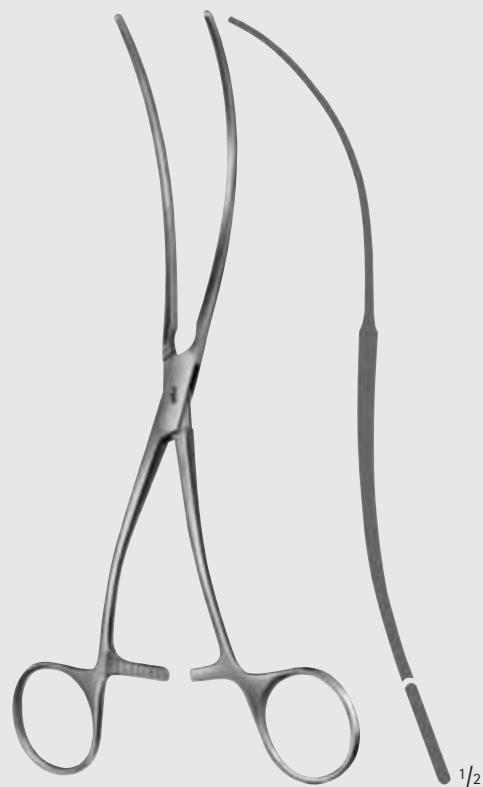


1/2

DE BAKEY

FB464R

190 mm, 7 1/4"



1/2

DE BAKEY

FB465R

200 mm, 8"





DE BAKEY Zahnung

Toothing DE BAKEY

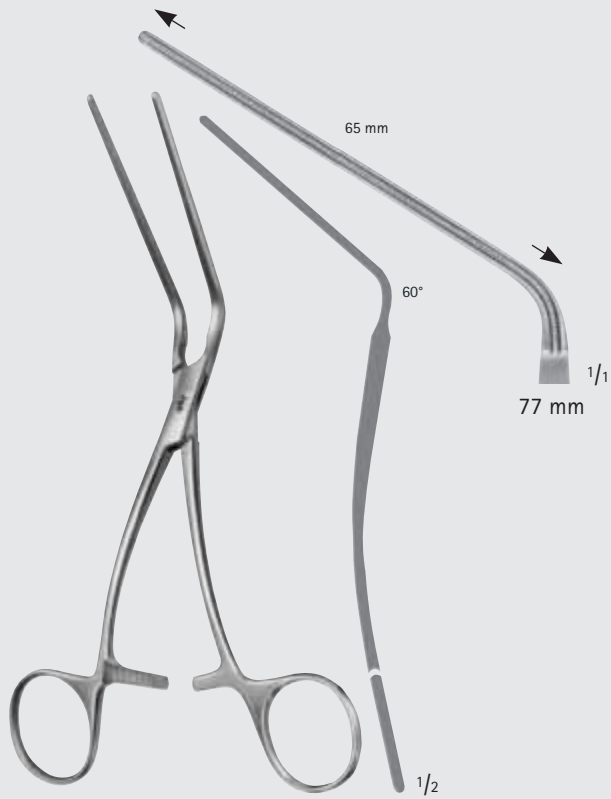
AIRAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Peripheralklemmen

Peripheral-Vascular-Clamps

FB



DE BAKEY

FB466R

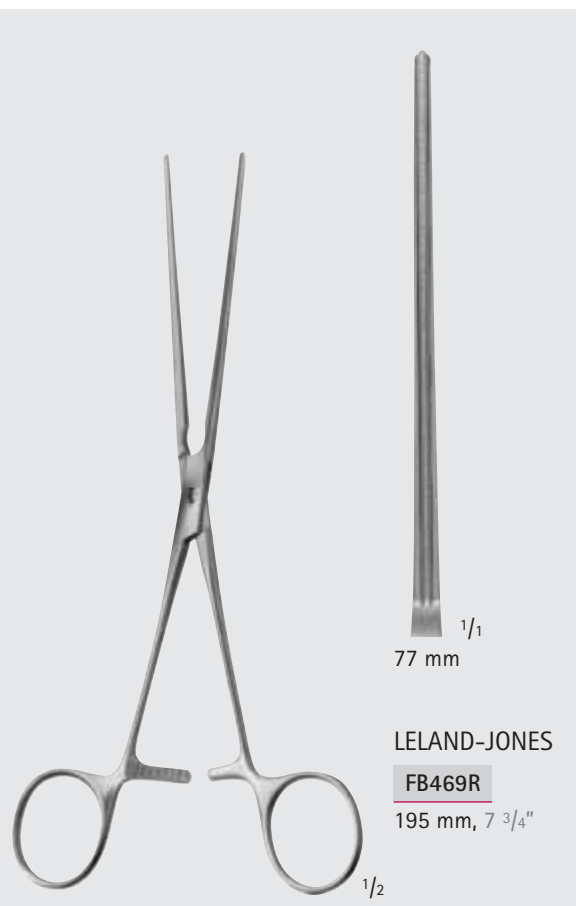
180 mm, 7"



LELAND-JONES

FB467R-FB468R

190 mm, 7 1/2"



LELAND-JONES

FB469R

195 mm, 7 3/4"



DE BAKEY

FB470R

Iliaca-Klemme

Iliac clamp

200 mm, 8"



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# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen

Anastomosis Clamps

DE BAKEY Zahnung

ARAUMATA®

Toothing DE BAKEY

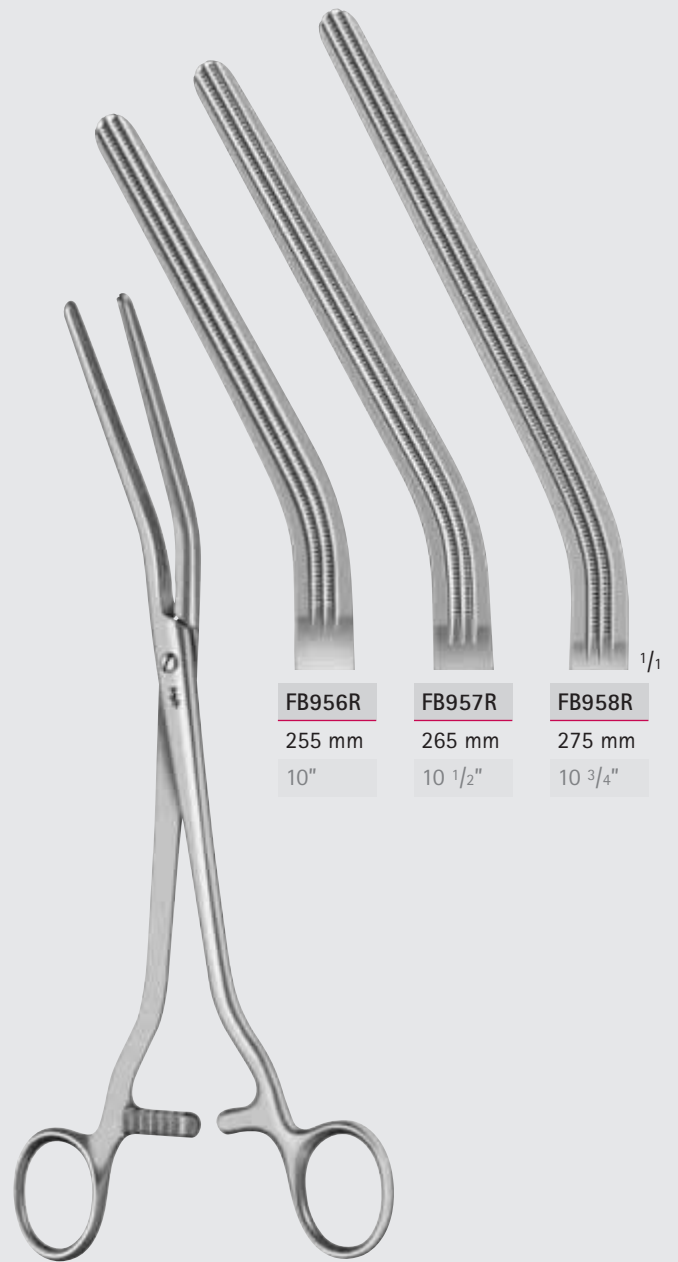
FB



WERTHEIM

**BJ581R**

250 mm, 10"



**FB956R**

255 mm

10"

**FB957R**

265 mm

10 1/2"

**FB958R**

275 mm

10 3/4"

DICK

**FB956R-FB958R**



DE BAKEY Zahnung

Toothing DE BAKEY

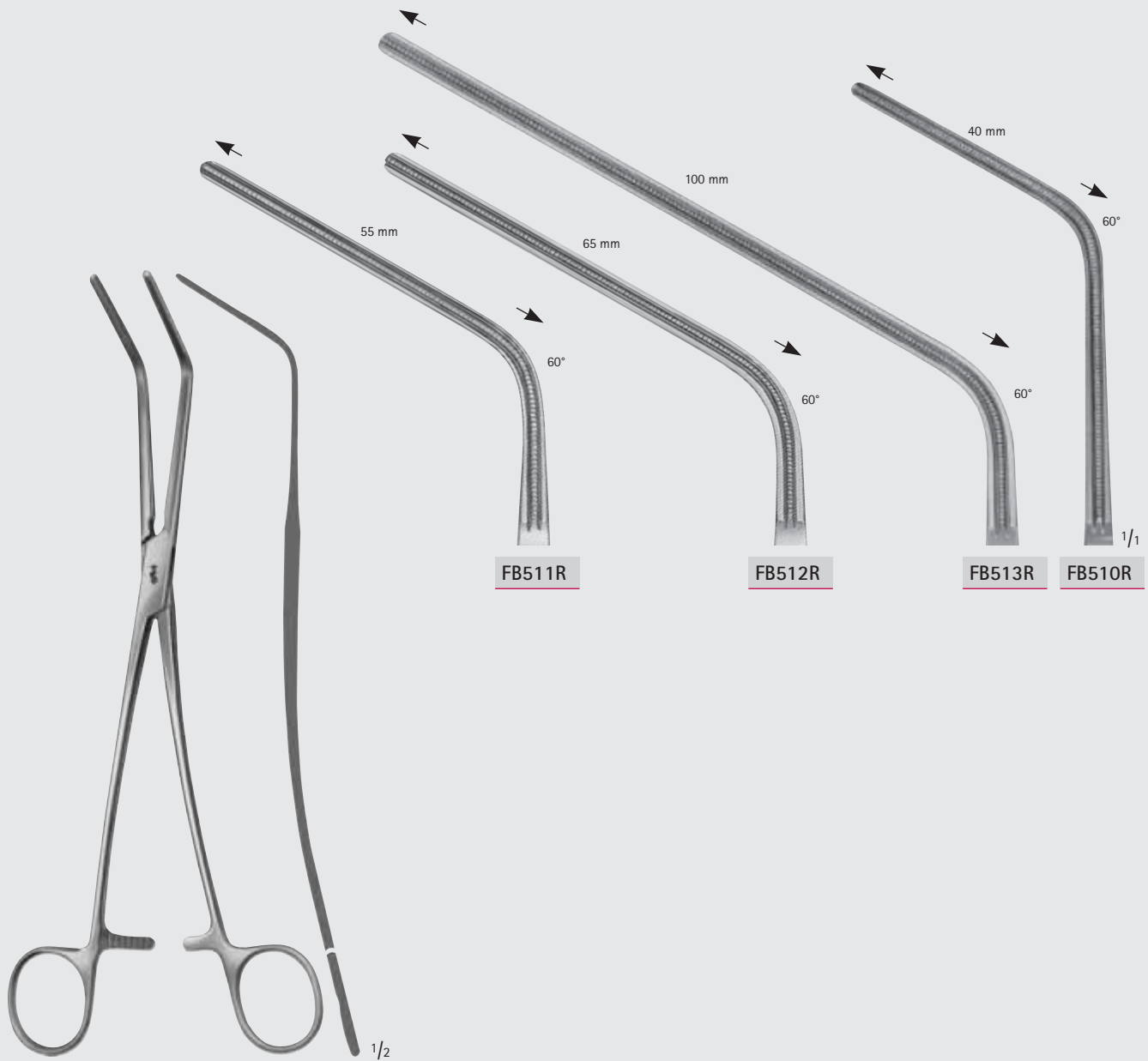
AIRAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mehrzweckklemmen

Multi-Purpose-Clamps

FB



DE BAKEY

	FB511R	FB512R	FB513R	FB510R
Gesamtlänge:	230 mm	280 mm	305 mm	240 mm
Total Length:	9"	11"	12"	9 1/2"
Mauillänge:	85 mm	100 mm	135 mm	93 mm
Jaw length:	3 3/8"	4"	5 1/8"	3 3/4"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

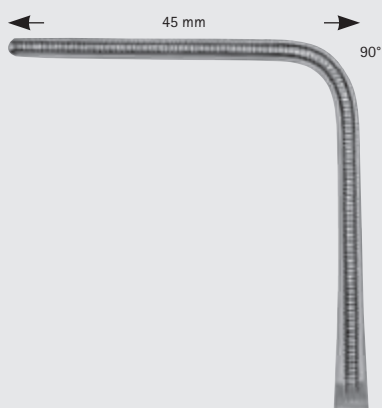
Mehrweckklemmen  
Multi-Purpose-Clamps

DE BAKEY Zahnung

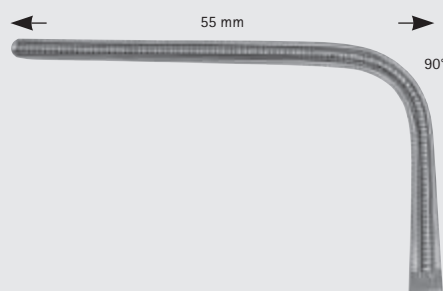
ARAUMATA®

Toothing DE BAKEY

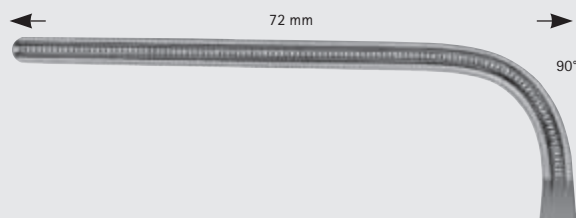
FB



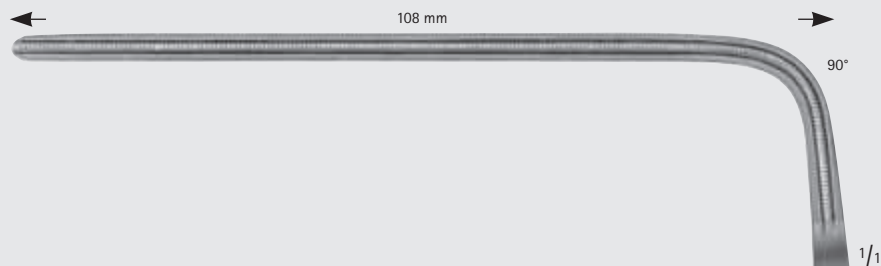
FB515R



FB516R



FB517R



FB518R

DE BAKEY

	FB515R	FB516R	FB517R	FB518R
Gesamtlänge:	225 mm	210 mm	255 mm	275 mm
Total Length:	9"	8 1/4"	10"	10 3/4"
Maullänge:	93 mm	85 mm	92 mm	134 mm
Jaw length:	3 3/4"	3 3/8"	3 5/8"	5 1/4"



DE BAKEY Zahnung

Toothing DE BAKEY

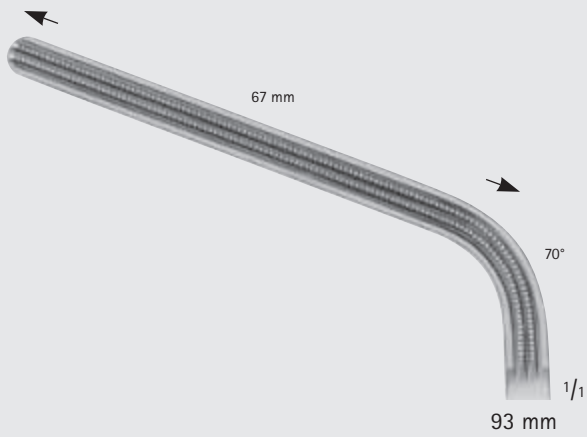
AIRAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Aortaklemmen

### Ascending Aorta Cross Clamps

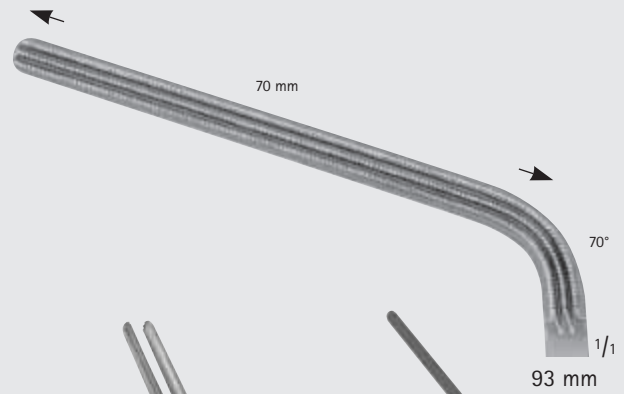
FB



MORRIS

FB493R

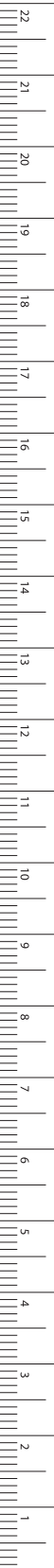
175 mm, 7"



DE BAKY (MORRIS MODIF.)

FB494R

240 mm, 9"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Bronchusklemmen

Bronchus Clamps

DE BAKEY Zahnung



Toothing DE BAKEY

APRAUMATA®

FB



LEES

FB573R

220 mm, 8 3/4"



LEES

FB574R

245 mm, 9 3/4"



DE BAKEY Zahnung



Toothing DE BAKEY

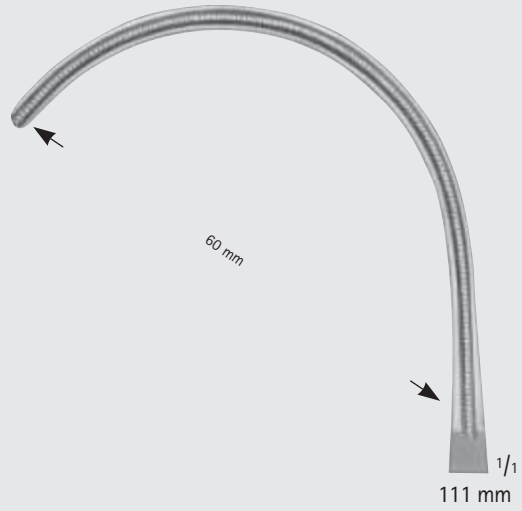
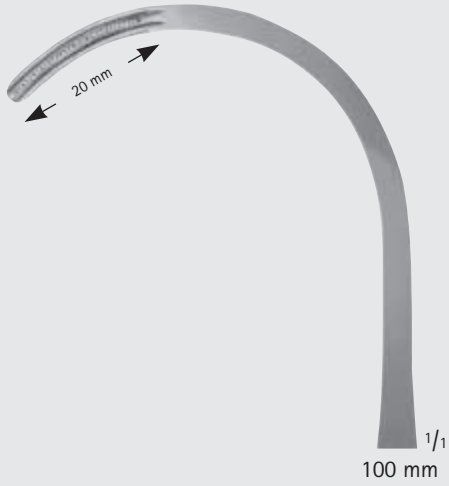
ARAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Aorta-Aneurysma-Klemmen

Aorta-Aneurysm-Clamps

FB



DE BAKEY (SEMB MODIF.)

FB482R

265 mm, 10 1/2"

DE BAKEY

FB481R

270 mm, 10 3/4"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Aorta-Aneurysma-Klemmen

Aorta-Aneurysm-Clamps

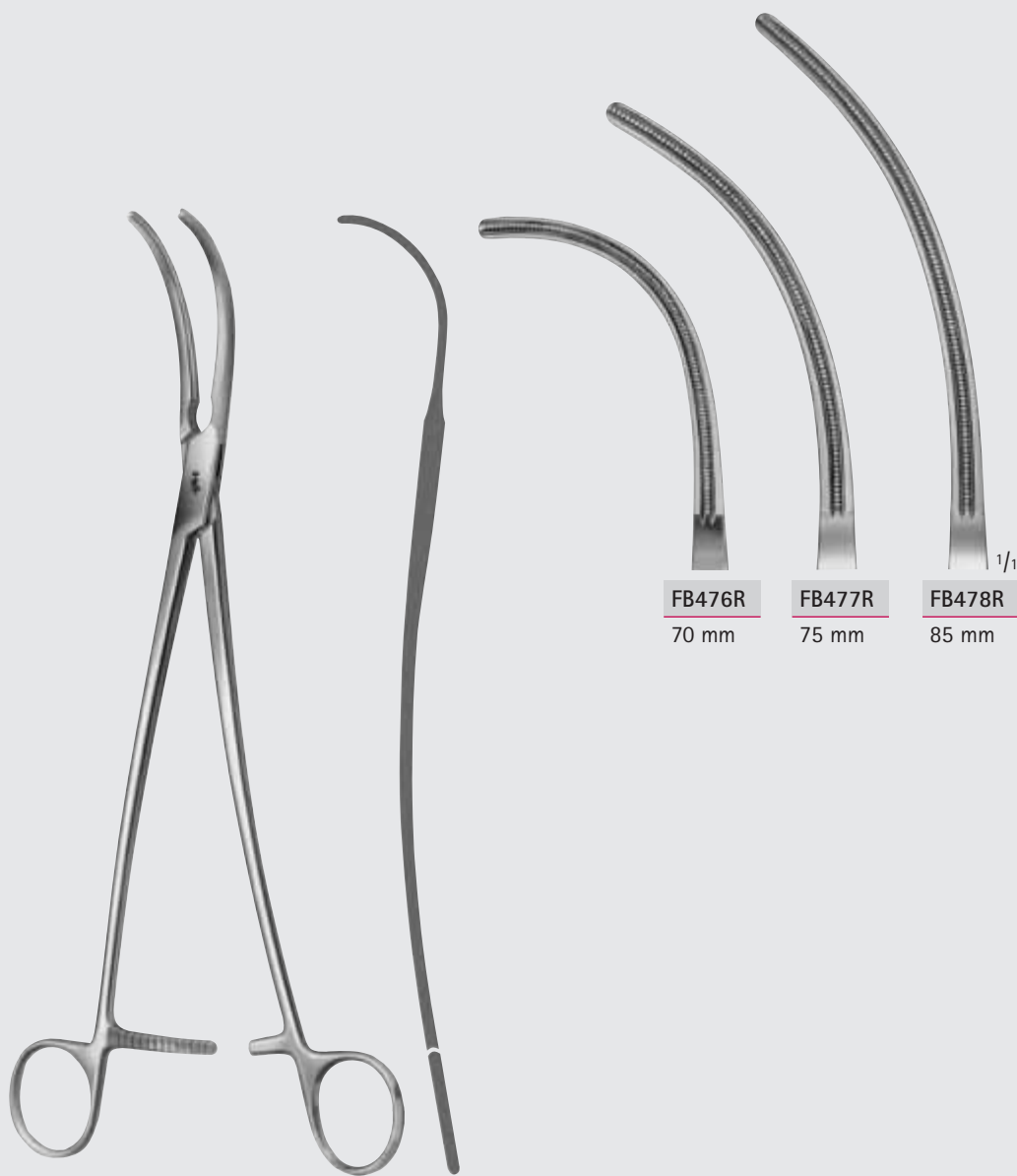
DE BAKEY Zahnung



Toothing DE BAKEY

ARAUMATA®

FB



FB476R  
70 mm

FB477R  
75 mm

FB478R  
85 mm

DE BAKEY

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





DE BAKEY Zahnung



Toothing DE BAKEY

ARAUMATA®

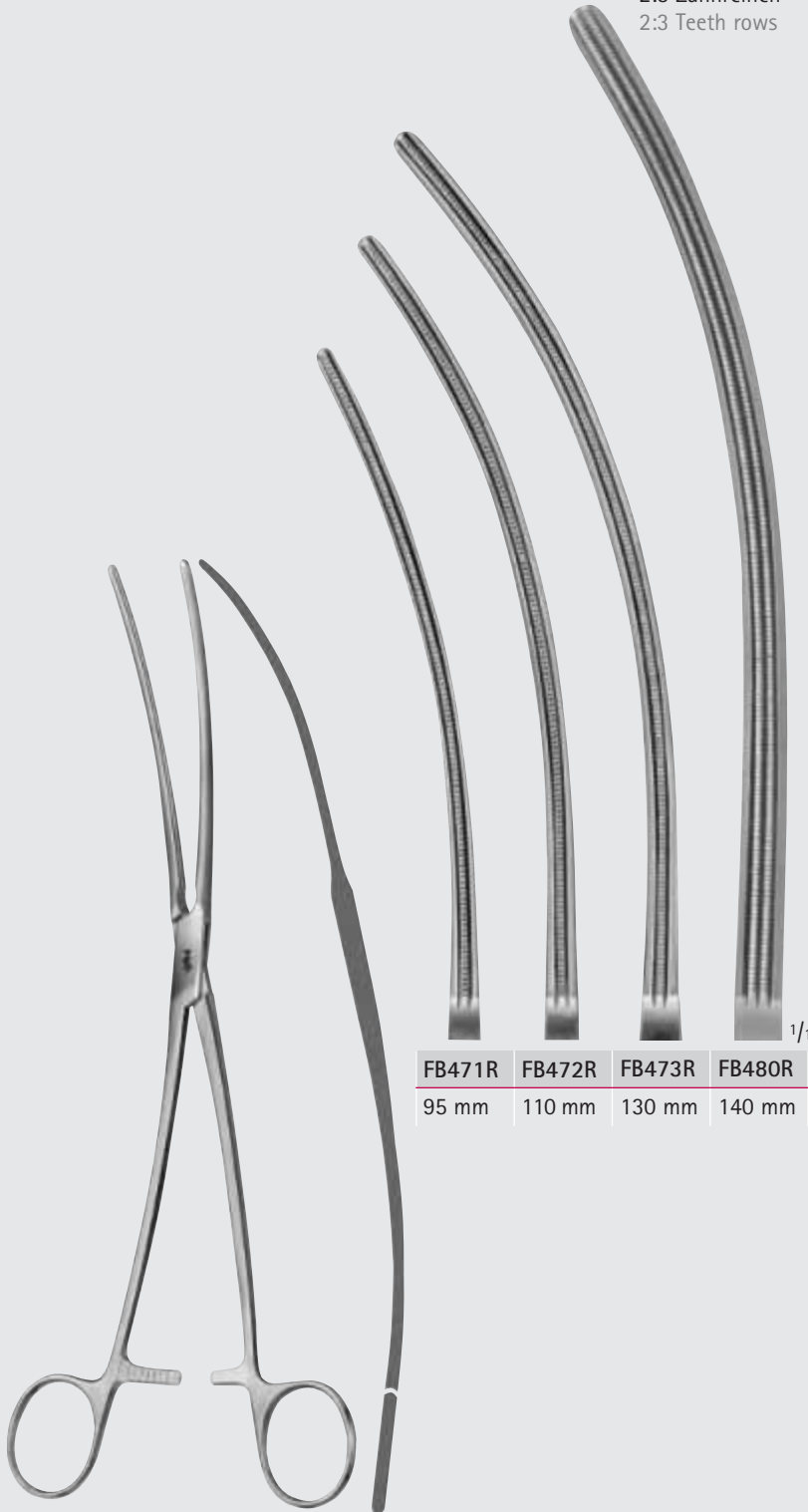
# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Aorta-Aneurysma-Klemmen

## Aorta-Aneurysm-Clamps



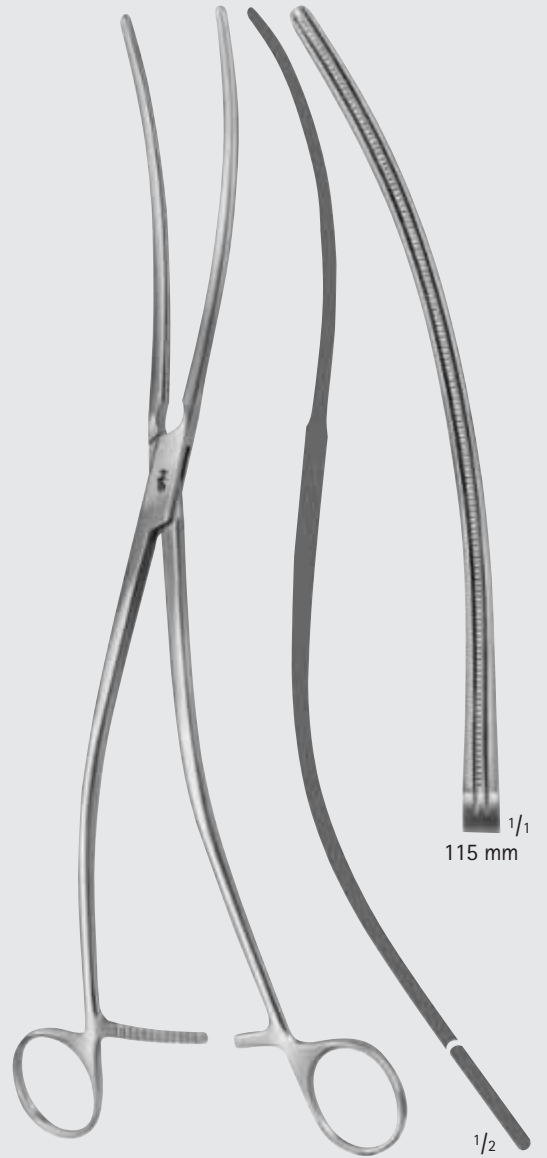
2:3 Zahnreihen  
2:3 Teeth rows



FB471R	FB472R	FB473R	FB480R
95 mm	110 mm	130 mm	140 mm

DE BAKEY

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

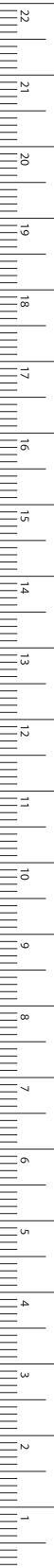


115 mm

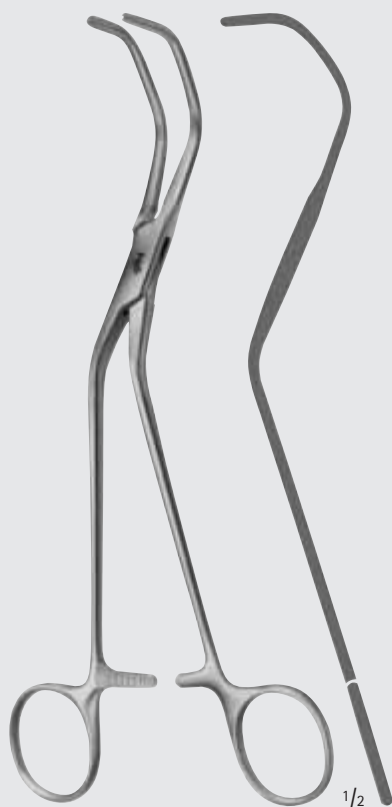
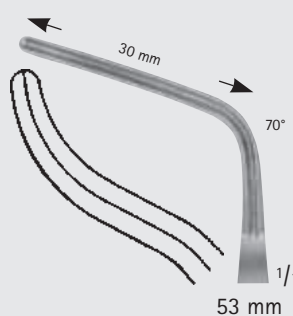
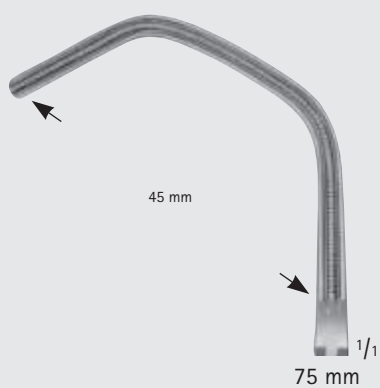
DE BAKEY

FB475R
300 mm, 12"

FB



MILLIMETERS



DIETRICH

FB525R

210 mm, 8 1/4"



SUBRAMANIAN (MODIF.)

FB578R

155 mm, 6"



DE BAKEY Zahnung



Toothing DE BAKEY

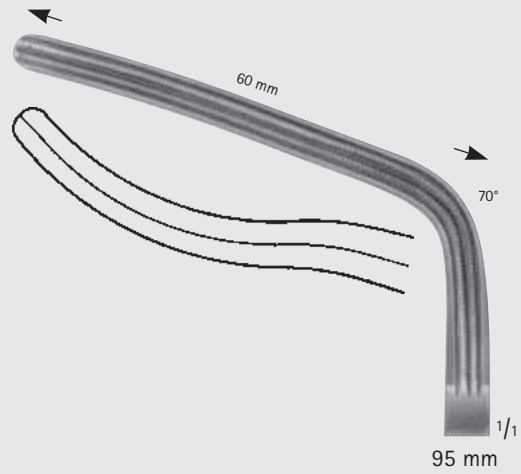
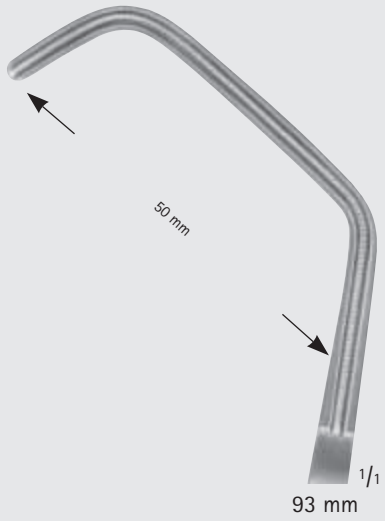
ARAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Aortaklemmen

Aorta Clamps

FB



OCHSNER

FB495R

260 mm, 10 1/4"

DE BAKY

FB576R

265 mm, 10 1/2"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Aorta-Anastomosenklemmen

### Aorta-Anastomosis Clamps

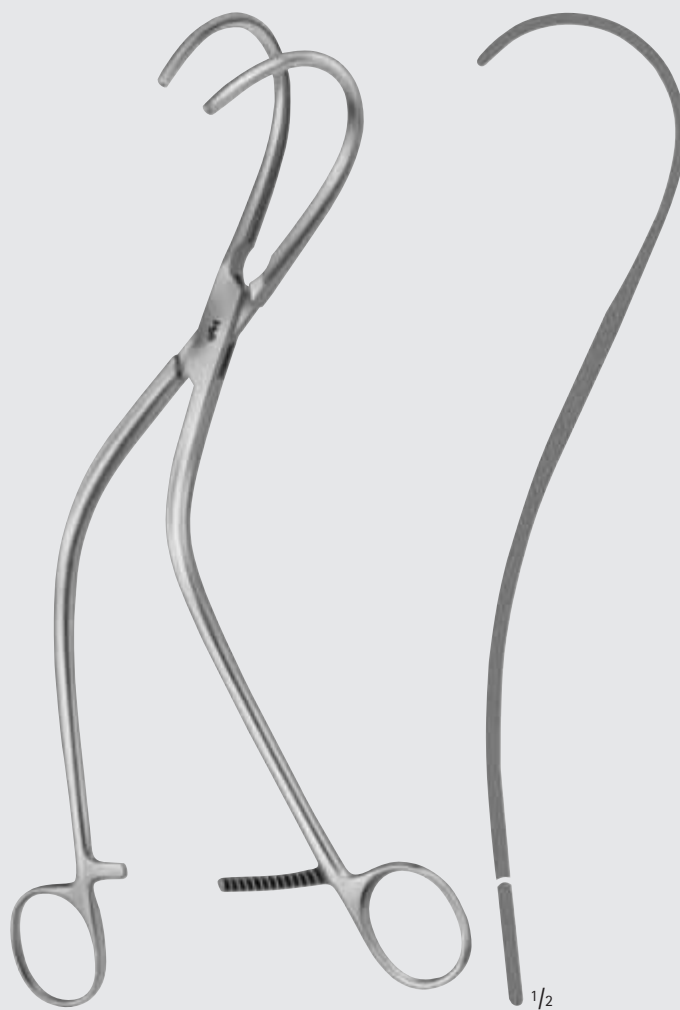
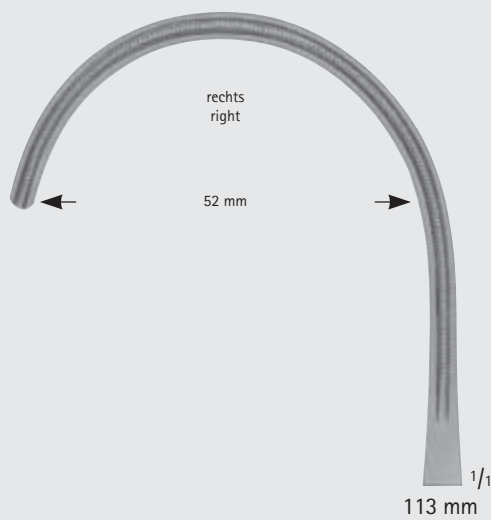
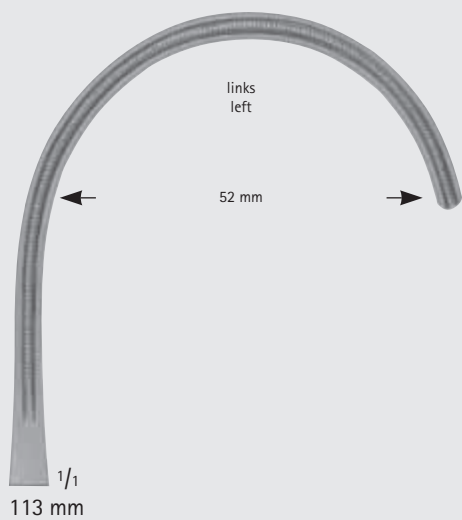
DE BAKEY Zahnung



Toothing DE BAKEY

ARAUMATA®

FB



WEBER

FB488R

260 mm, 10 1/4"

WEBER

FB489R

260 mm, 10 1/4"



DE BAKEY Zahnung



Toothing DE BAKEY

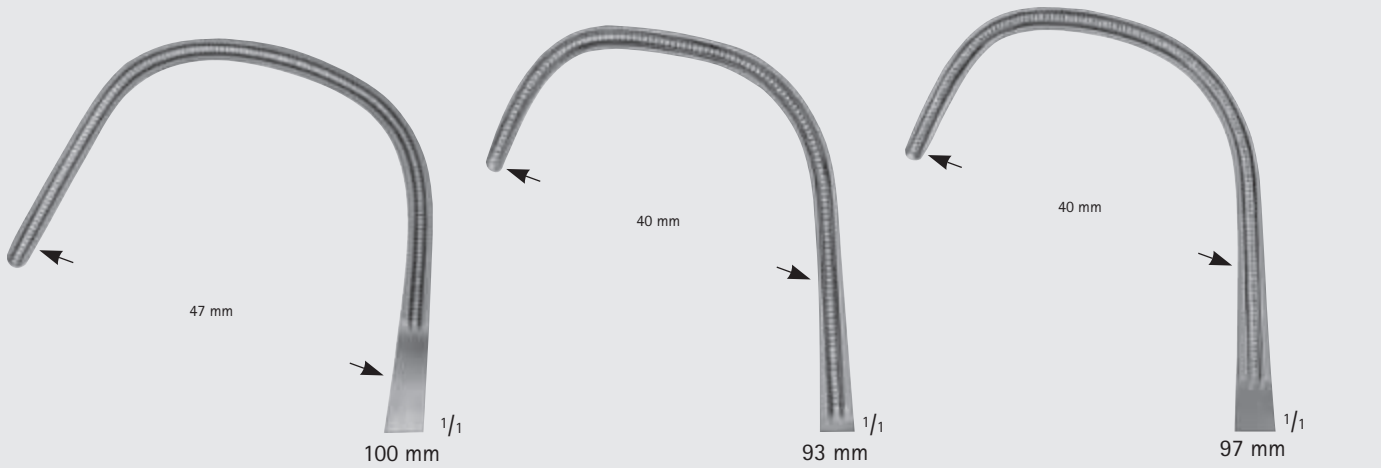
ARAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Aorta-Anastomosenklemmen

## Aorta-Anastomosis Clamps

FB



LAMBERT-KAY

FB492R

210 mm, 8 1/4"



LAMBERT-KAY

FB490R

215 mm, 8 1/2"



DE BAKEY (MOD. LAMBERT)

FB491R

255 mm, 10"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Bulldogklemmen mit Ringgriffen

Ring Handle Bulldog Clamps

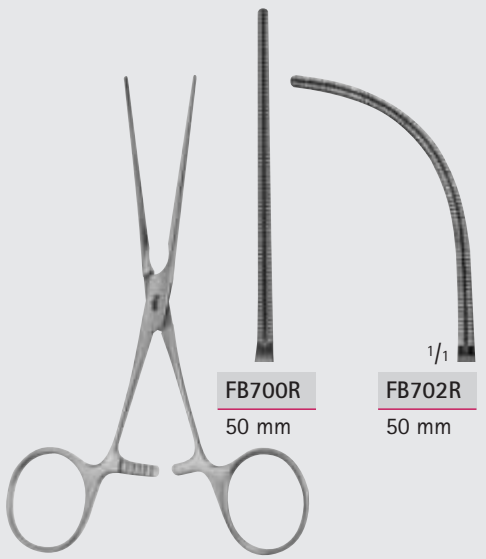
COOLEY Zahnung



Toothing COOLEY

ARAUMATA®

FB

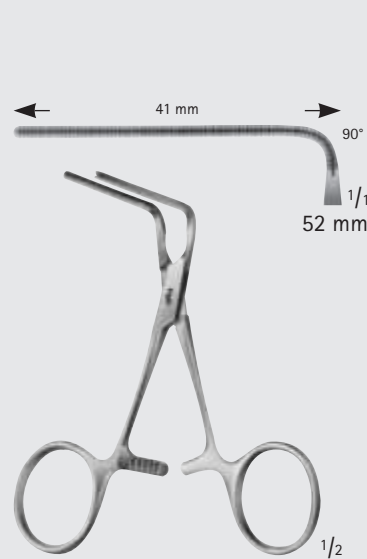


**FB700R**  
50 mm

**FB702R**  
50 mm

COOLEY

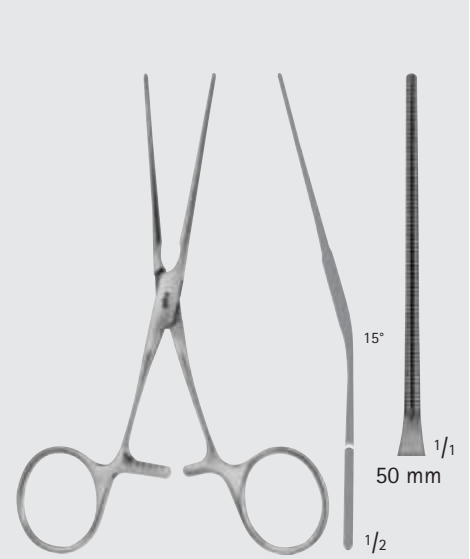
<b>FB700R</b>	125 mm	5"
<b>FB702R</b>	115 mm	4 1/2"



**FB707R**

100 mm, 4"

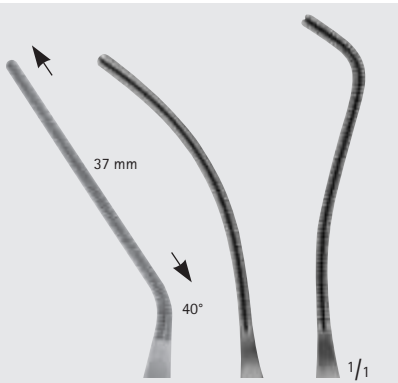
COOLEY



**FB701R**

125 mm, 5"

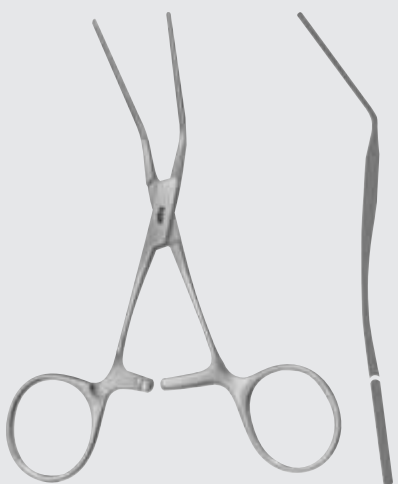
COOLEY



**FB704R**  
50 mm

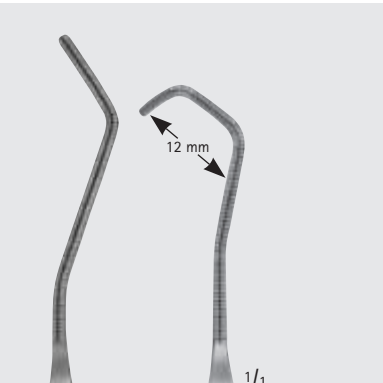
**FB703R**  
50 mm

**FB706R**  
52 mm



COOLEY

<b>FB704R</b>	120 mm	4 3/4"
<b>FB703R</b>	125 mm	5"
<b>FB706R</b>	125 mm	5"



**FB705R**  
50 mm

**FB708R**  
50 mm



COOLEY

<b>FB705R</b>	120 mm	4 3/4"
<b>FB708R</b>	115 mm	4 1/2"



COOLEY Zahnung

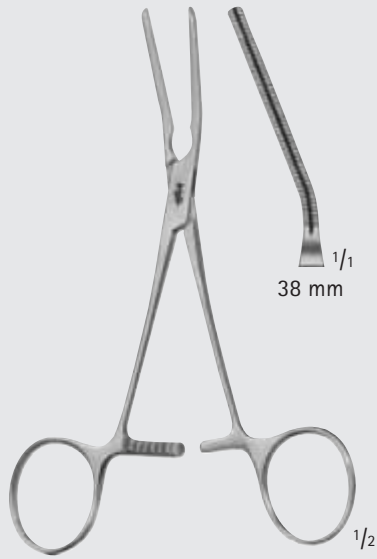


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# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Bulldogklemmen mit Ringgriffen

### Ring Handle Bulldog Clamps



COOLEY

**FB741R**

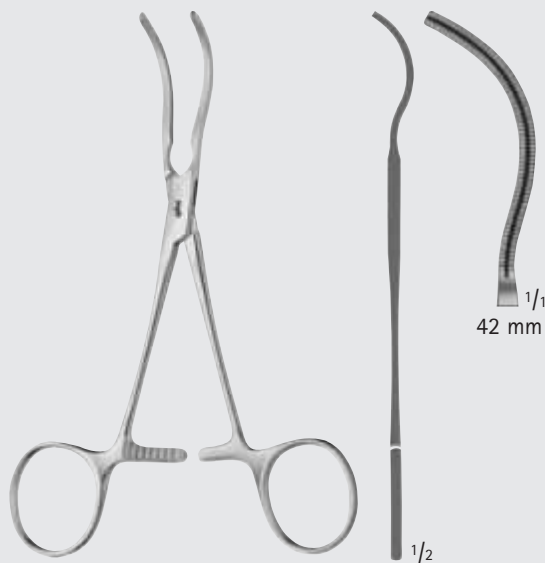
145 mm, 5 3/4"



COOLEY

**FB742R**

140 mm, 5 1/2"



COOLEY

**FB743R**

145 mm, 5 3/4"

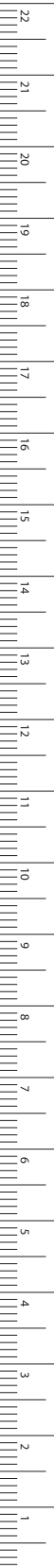


SATINSKY

**MB613R**

140 mm, 5 1/2"

FB



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen, Kinder-Modelle

Anastomosis Clamps, Pediatric Patterns

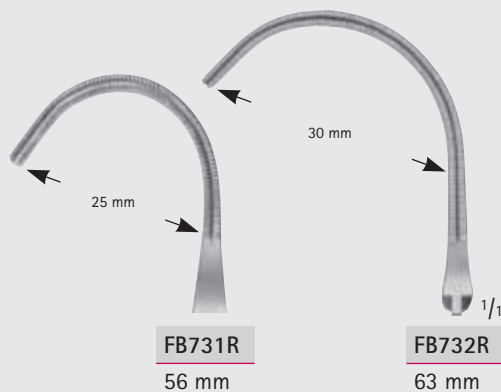
COOLEY Zahnung



Toothing COOLEY

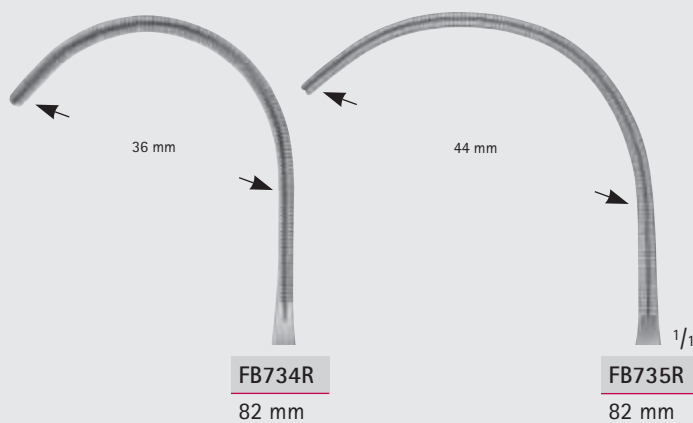
ARAUMATA®

FB



COOLEY-BECK

FB731R	150 mm	6"
FB732R	155 mm	6"



COOLEY

FB734R-FB735R

170 mm, 6 3/4"





COOLEY Zahnung



Toothing COOLEY

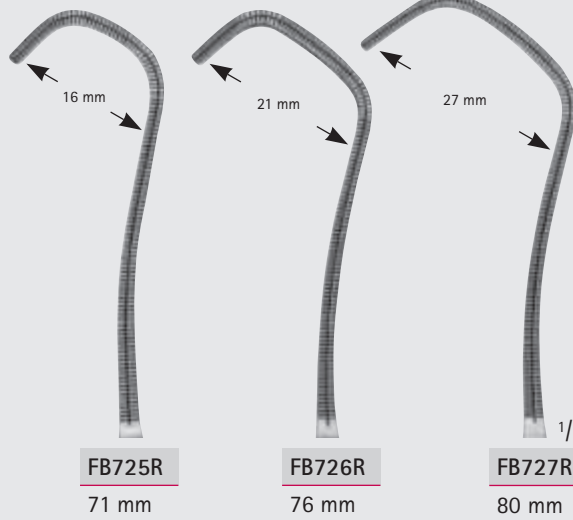
ARAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen, Kinder-Modelle

Anastomosis Clamps, Pediatric Patterns

FB



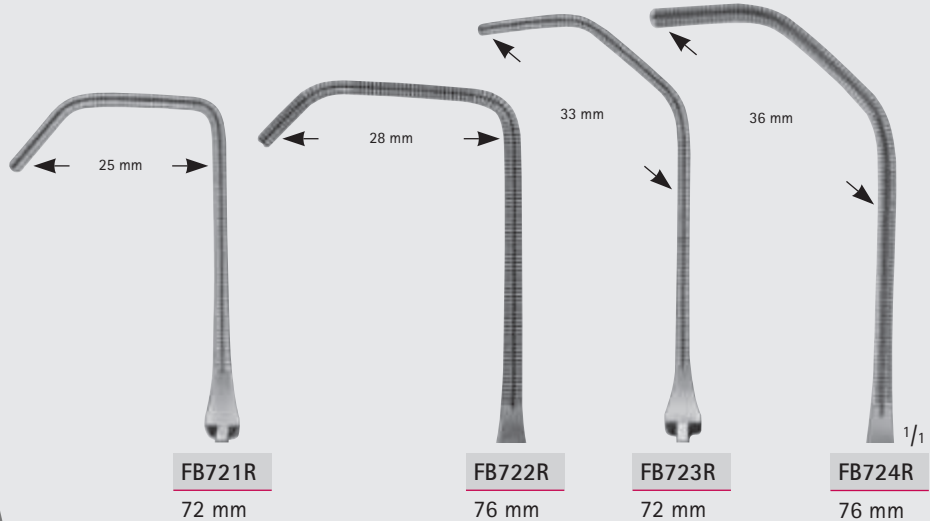
FB725R  
71 mm

FB726R  
76 mm

FB727R  
80 mm

## DERRA-COOLEY

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



FB721R  
72 mm

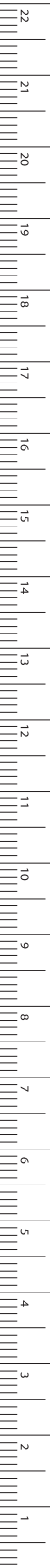
FB722R  
76 mm

FB723R  
72 mm

FB724R  
76 mm

## COOLEY

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



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mehrzweckklemmen, Kinder-Modelle  
Multi-Purpose Clamps, Pediatric Patterns

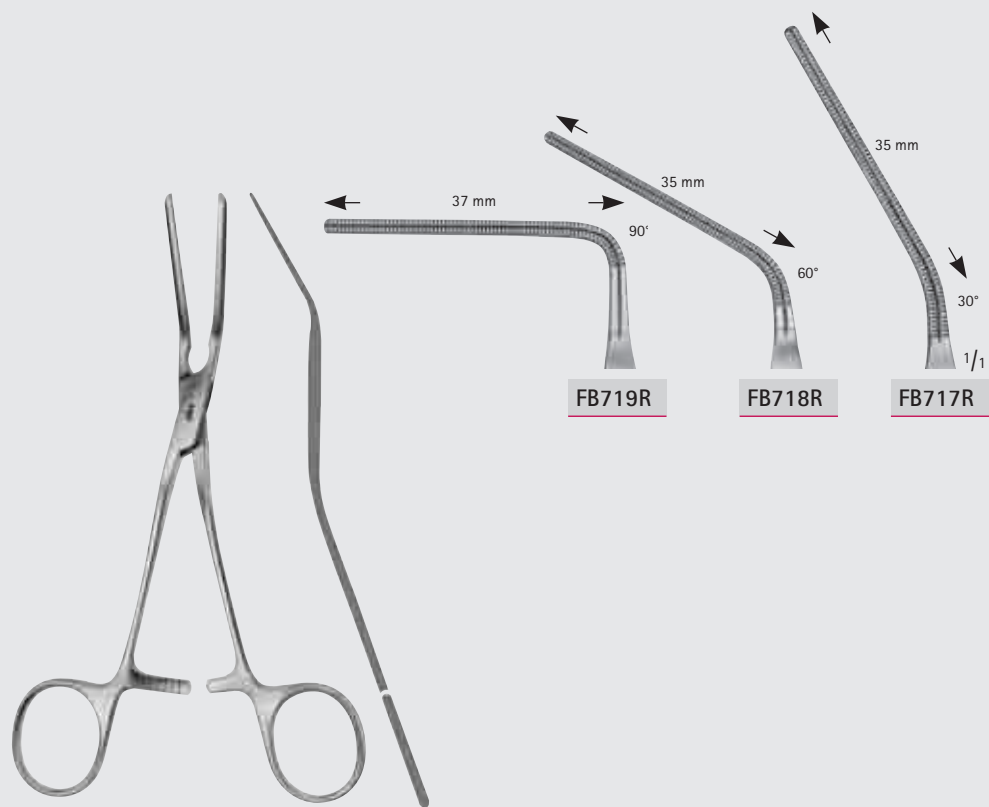
COOLEY Zahnung



Toothing COOLEY

APRAUMATA®

FB



COOLEY

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



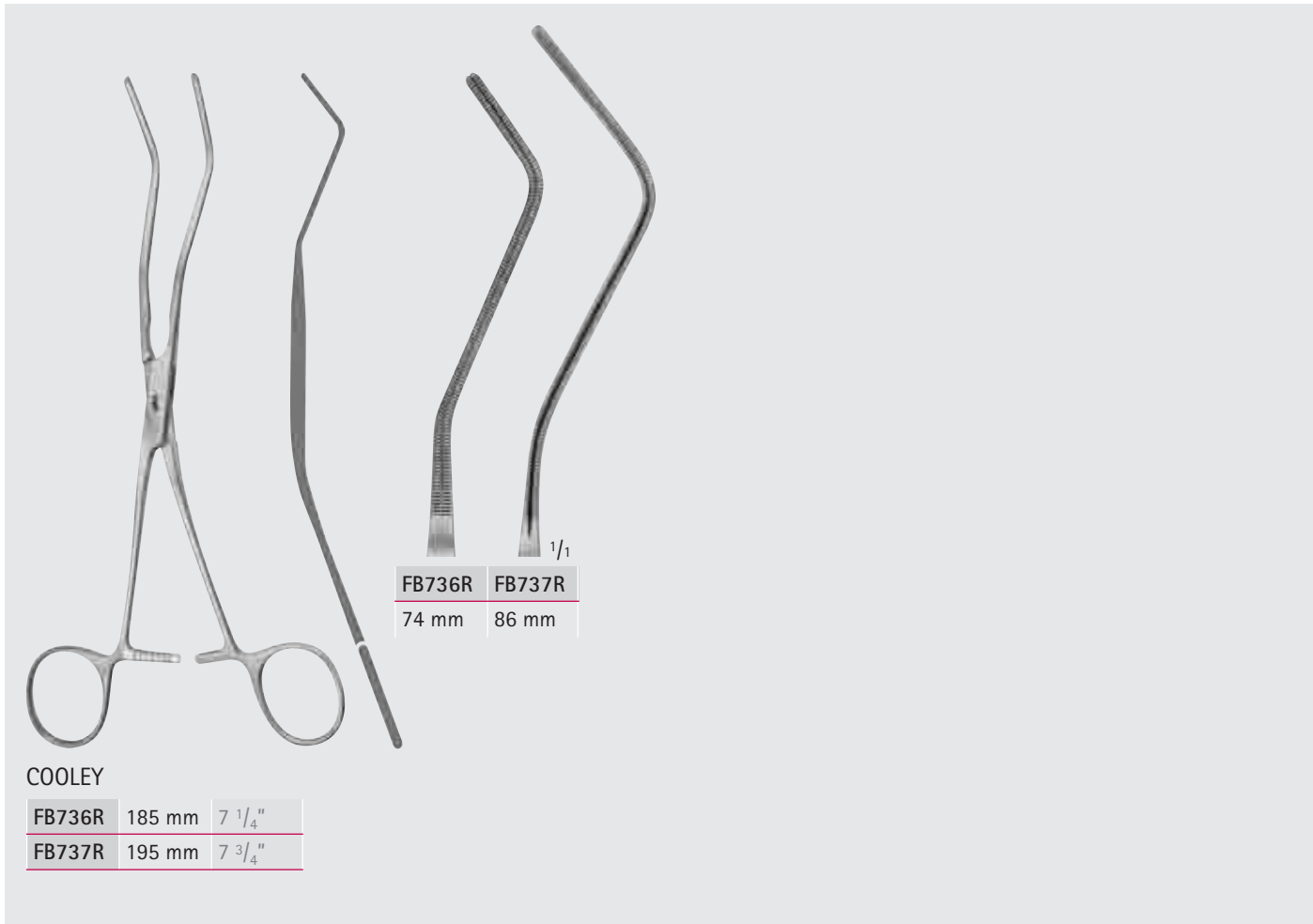
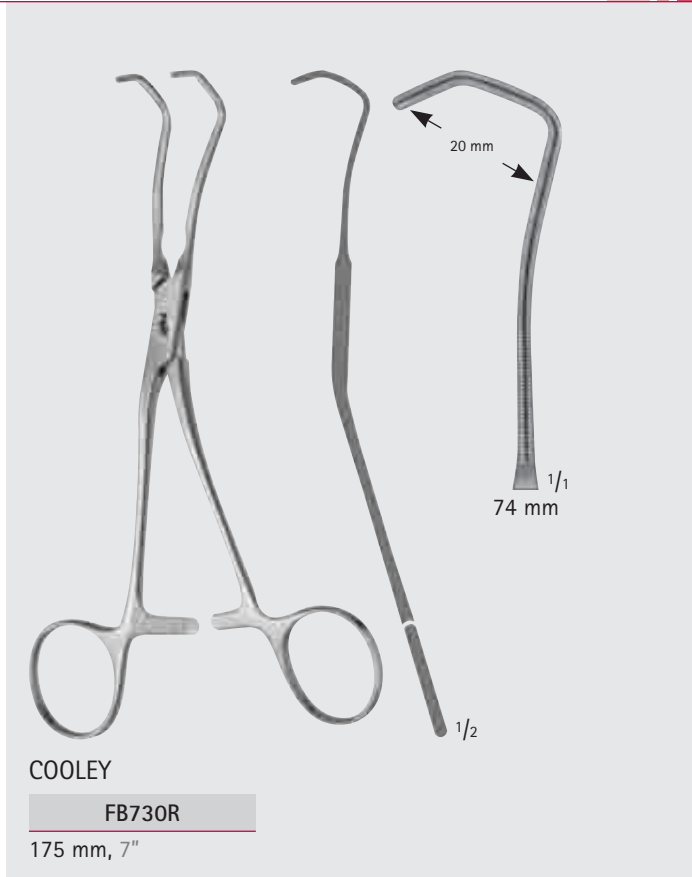
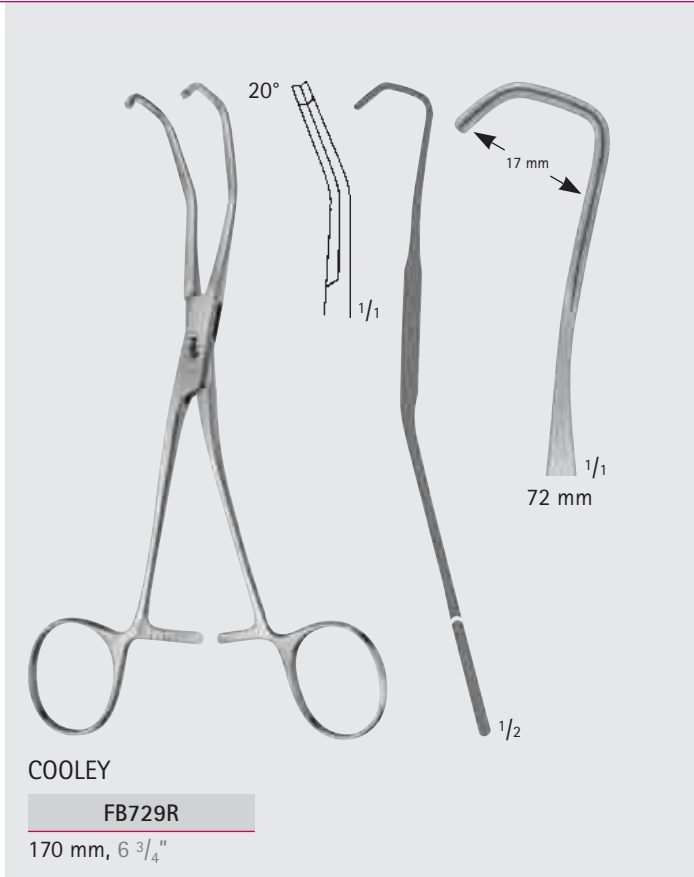
COOLEY Zahnung



ARAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen, Mehrzweckklemmen  
Anastomosis Clamps, Multi-Purpose Clamps



FB



MILLIMETERS

COOLEY

FB729R

170 mm, 6 3/4"

COOLEY

FB730R

175 mm, 7"

COOLEY

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

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Patent-Ductusklemmen, Coarctationsklemmen, Kinder-Modelle

Patent-Ductus Clamps, Coarctations Clamps, Pediatric Patterns

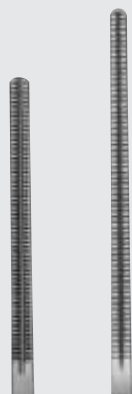
**APRAUMATA®**

COOLEY Zahnung

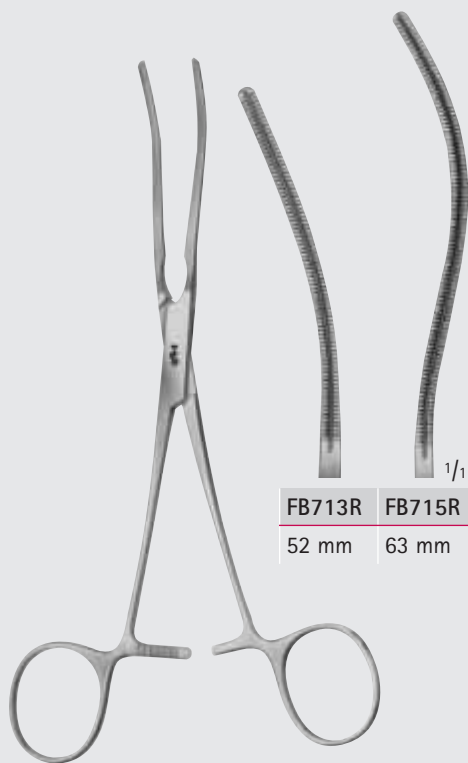


Toothing COOLEY

**FB**



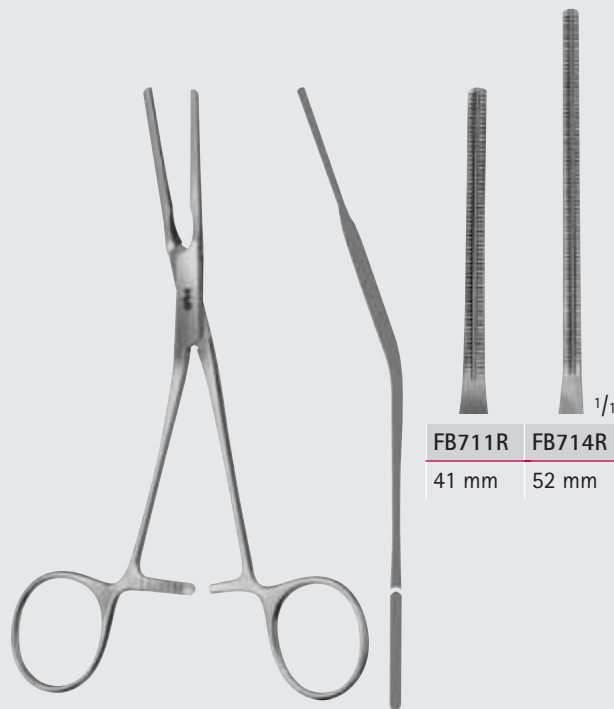
FB710R	FB712R
41 mm	52 mm



FB713R	FB715R
52 mm	63 mm

COOLEY

FB710R	160 mm	6 1/4"
FB712R	170 mm	6 3/4"
FB713R	180 mm	7"
FB715R	180 mm	7"



FB711R	FB714R
41 mm	52 mm

COOLEY

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



COOLEY Zahnung



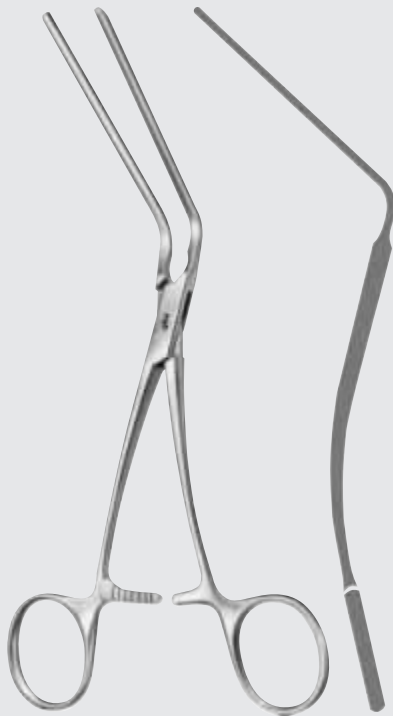
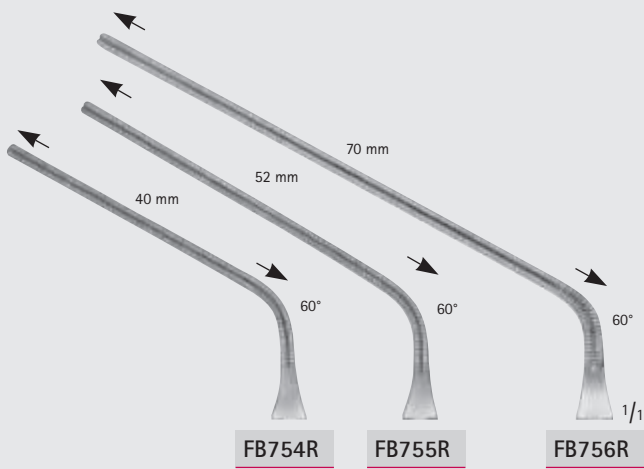
Toothing COOLEY

**ARAUMATA®**

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

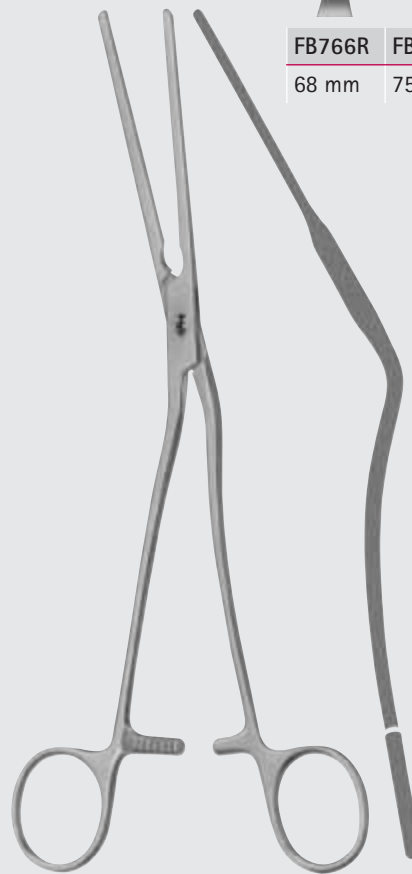
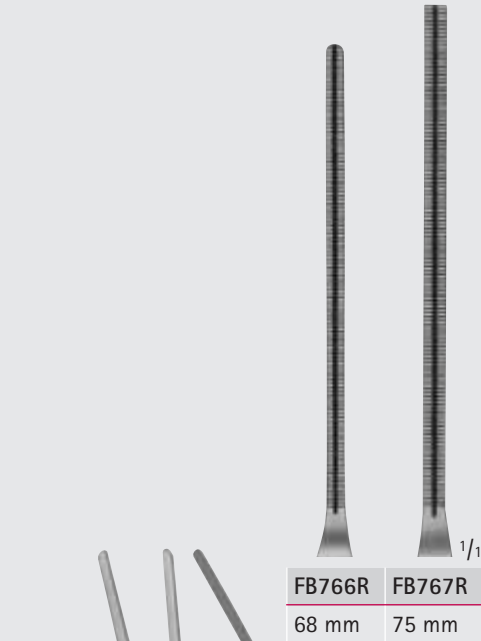
Patent-Ductusklemmen, Coarctationsklemmen, Kinder-Modelle  
Patent-Ductus Clamps, Coarctations Clamps, Pediatric Patterns

**FB**

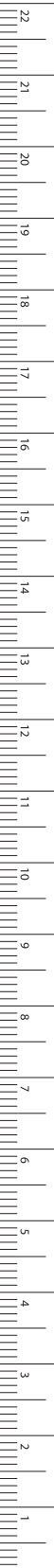


COOLEY

<b>FB754R</b>	165 mm	6 1/2"
<b>FB755R</b>	170 mm	6 3/4"
<b>FB756R</b>	185 mm	7 1/4"



<b>FB766R</b>	225 mm	9"
<b>FB767R</b>	270 mm	10 3/4"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen, Mehrzweckklemmen  
Anastomosis Clamps, Multi-Purpose Clamps

COOLEY Zahnung



Toothing COOLEY

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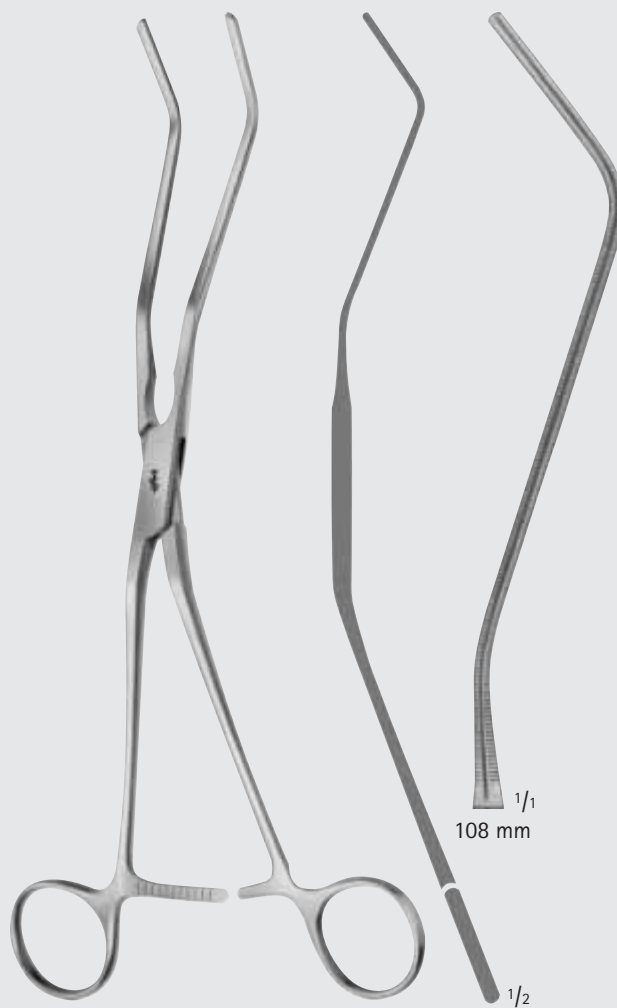
FB



LEITZ

FB795R

205 mm, 8"



COOLEY

FB738R

260 mm, 10 3/4"



COOLEY Zahnung



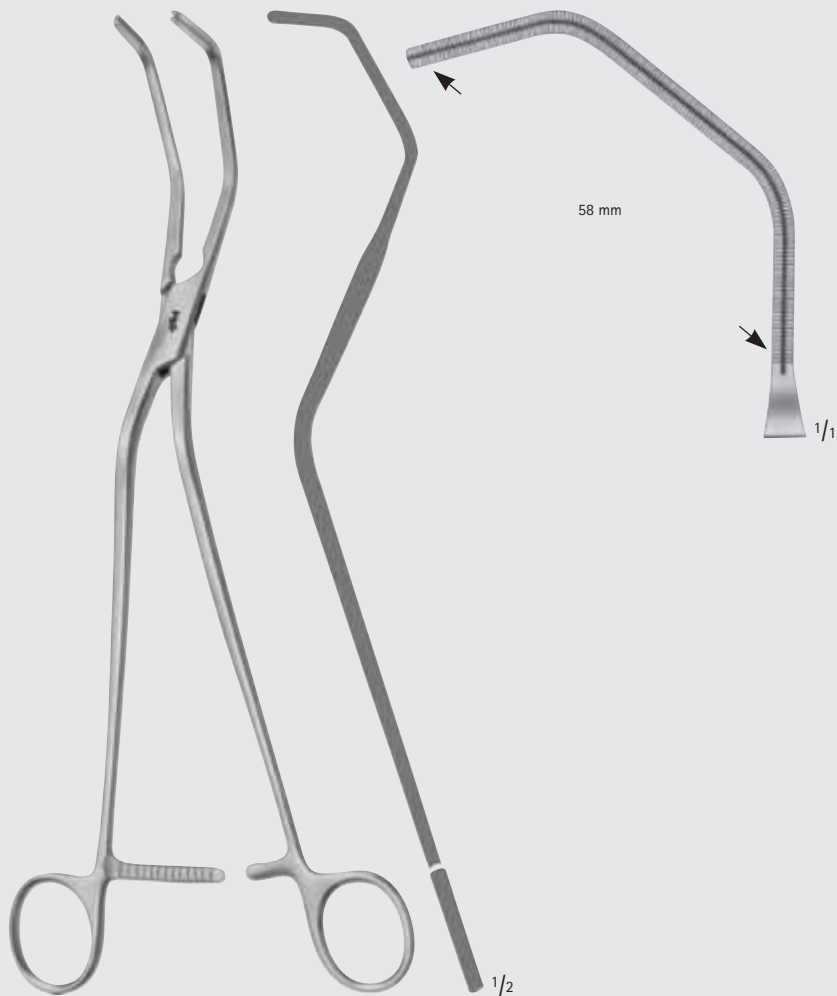
ARAUMATA®

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen

Anastomosis Clamps

FB



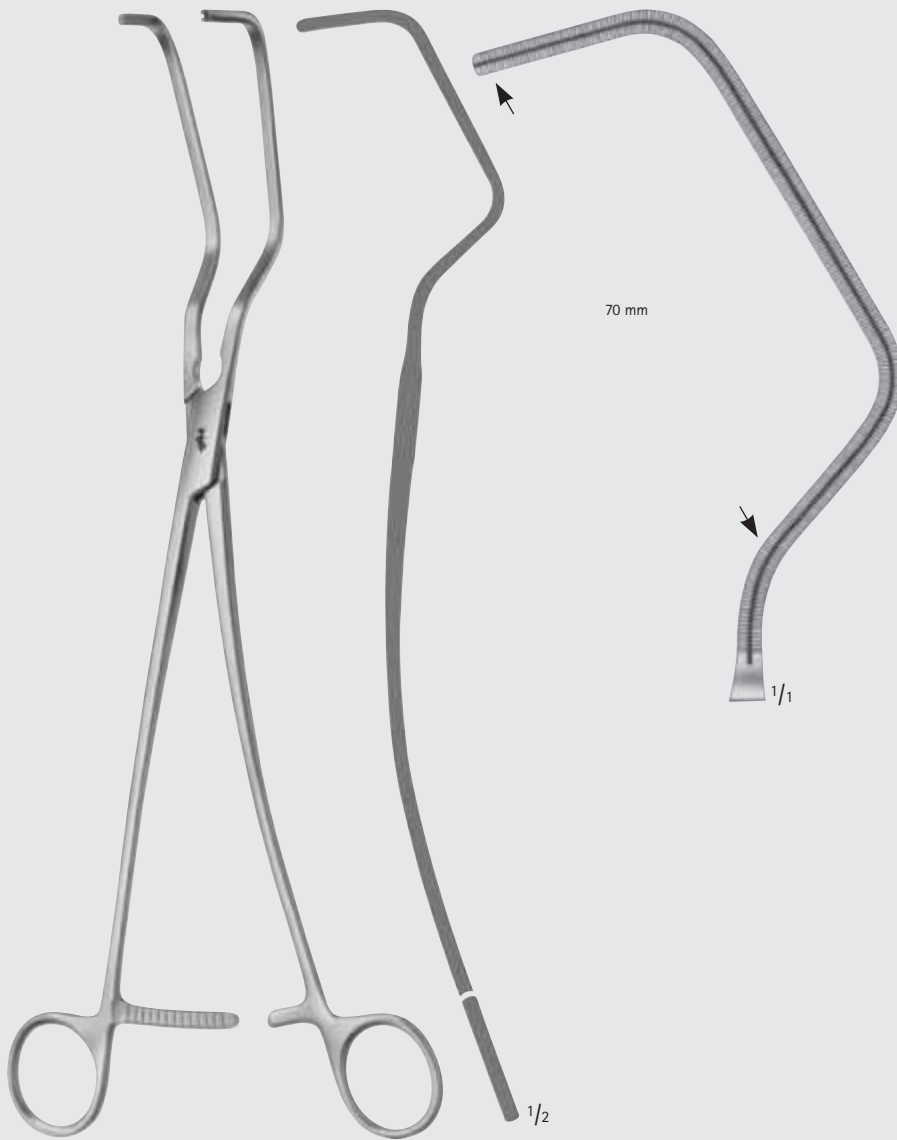
COOLEY

FB773R

260 mm, 10 1/4"



MILLIMETERS



PARRY-COOLEY

FB775R

295 mm, 11 3/4"





COOLEY Zahnung



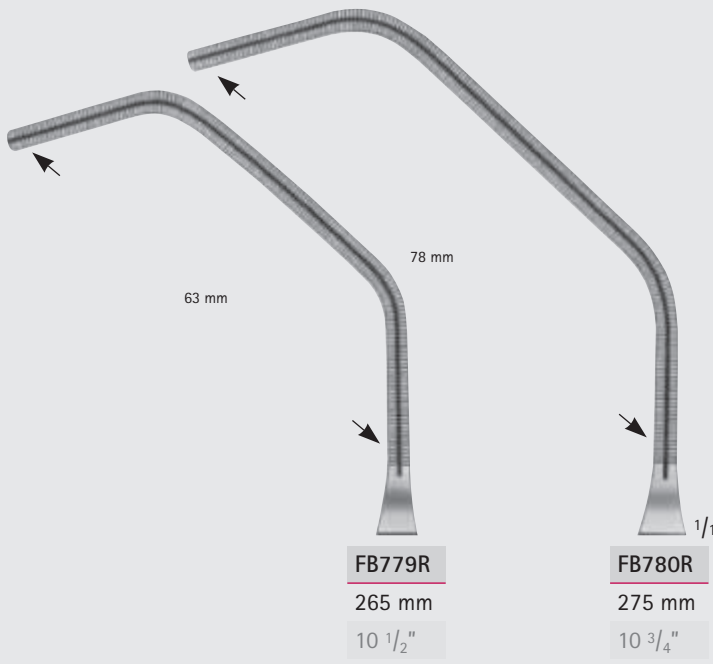
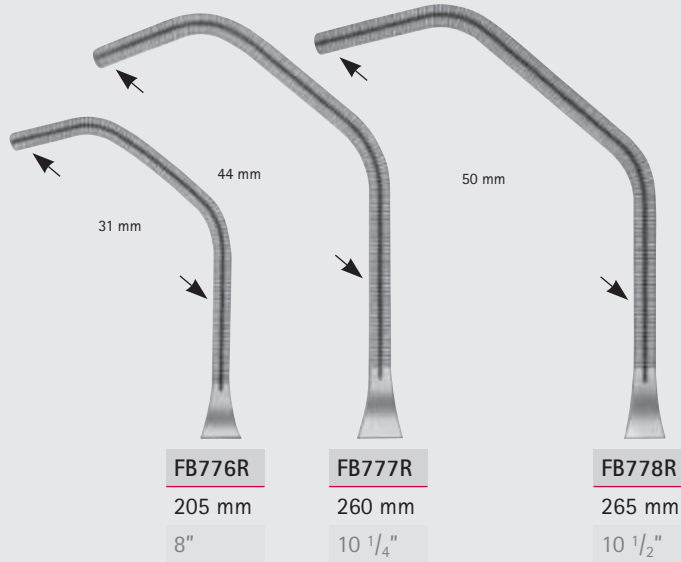
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# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Anastomosenklemmen

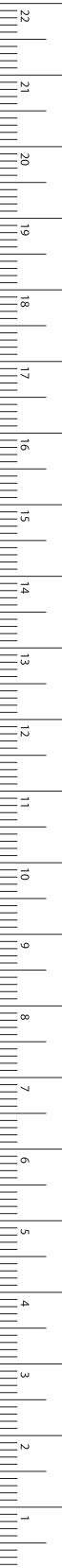
Anastomosis Clamps

FB



COOLEY

**FB776R-FB780R**



MILLIMETERS

Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Aortaklemme

Aorta Clamp

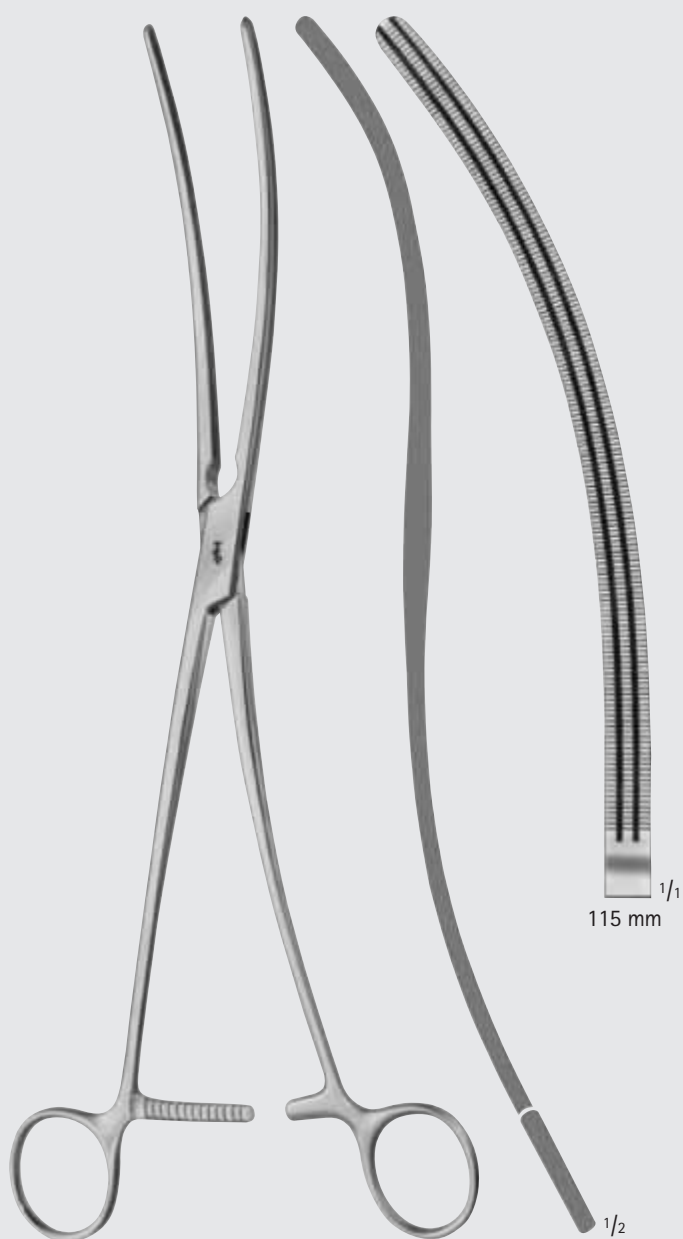
COOLEY Zahnung



Toothing COOLEY

APRAUMATA®

FB



115 mm

1/2

COOLEY

FB764R

320 mm, 12 3/4"



COOLEY Zahnung

Toothings COOLEY

ARAUMATA®

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mehrweckklemme  
Multi-Purpose Clamp

FB



82 mm <sup>1/1</sup>

<sup>1/2</sup>

COOLEY

FB765R

285 mm, 11 1/4"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Mehrzweckklemmen  
Multi-Purpose Clamps

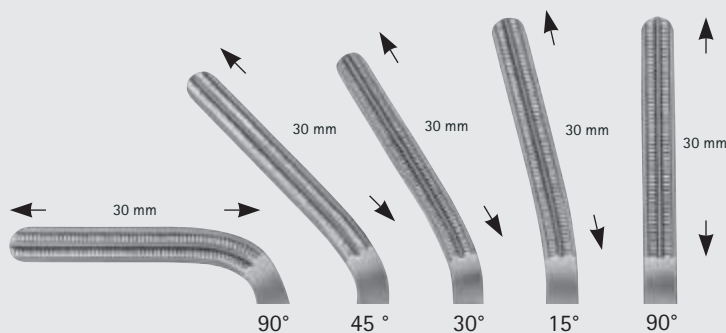
DE BAKEY Zahnung



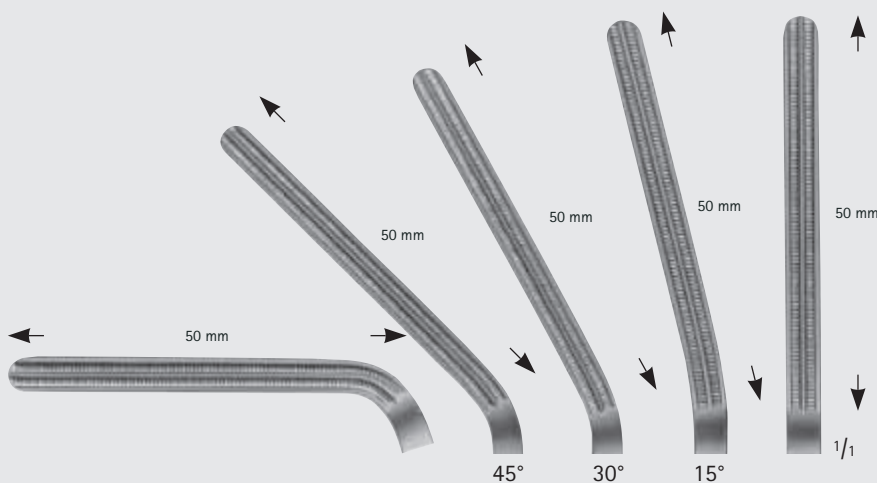
Toothing DE BAKEY

ARAUMATA®

FB



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



DE BAKEY Zahnung



Toothings DE BAKEY

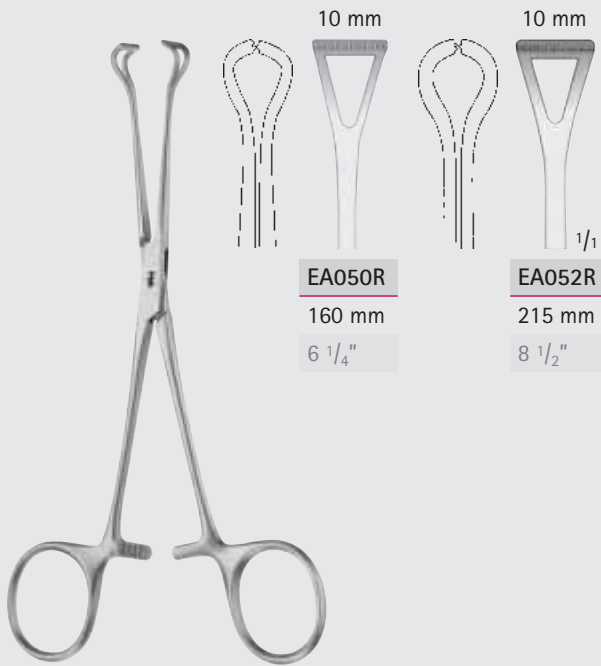
**ARAUMATA**<sup>®</sup>

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gewebe- und Organfasszangen

Tissue- and Organ Grasping Forceps

**FB**



**EA050R**

160 mm

6 1/4"

**EA052R**

215 mm

8 1/2"

BABCOCK

**EA050R-EA052R**



BABCOCK

**FB936R**

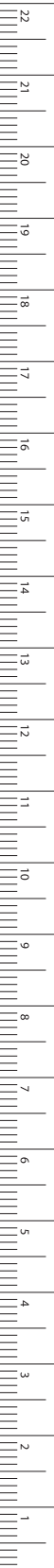
220 mm, 8 3/4"



BABCOCK

**MD470**

240 mm, 9 1/2"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gewebe- und Organfasszangen

Tissue- and Organ Grasping Forceps

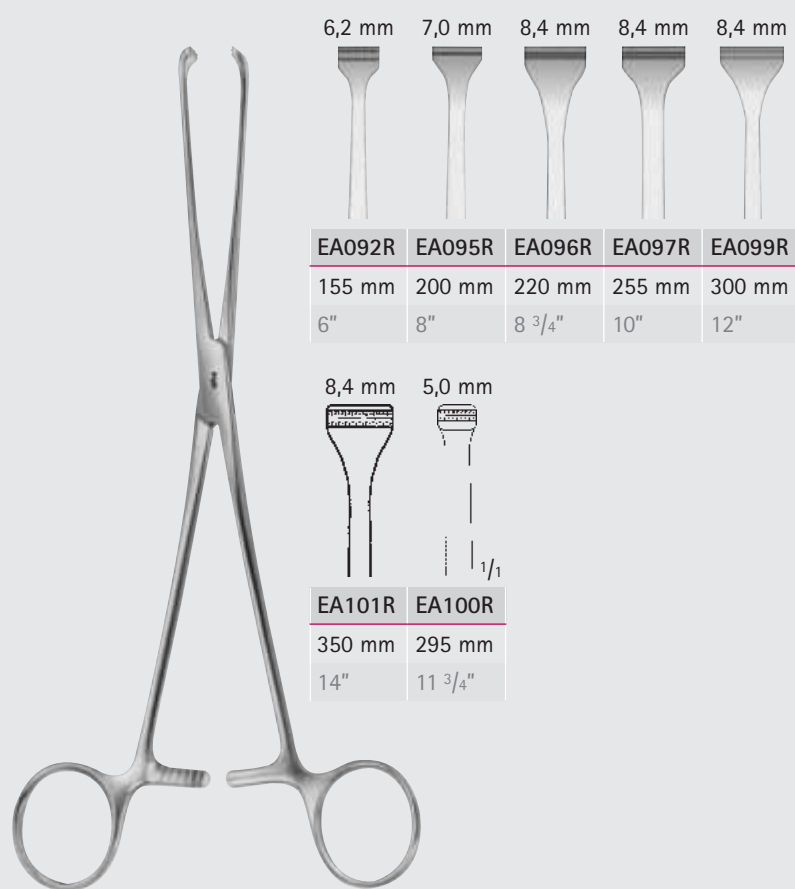
DE BAKEY Zahnung



Toothing DE BAKEY

APRAUMATA®

FB



6,2 mm	7,0 mm	8,4 mm	8,4 mm	8,4 mm
EA092R	EA095R	EA096R	EA097R	EA099R
155 mm	200 mm	220 mm	255 mm	300 mm
6"	8"	8 3/4"	10"	12"

8,4 mm	5,0 mm
EA101R	EA100R
350 mm	295 mm
14"	11 3/4"

ALLIS  
EA092R-EA101R



ALLIS  
EA095R

besonders fein  
very delicate  
200 mm, 8"



DE BAKEY Zahnung



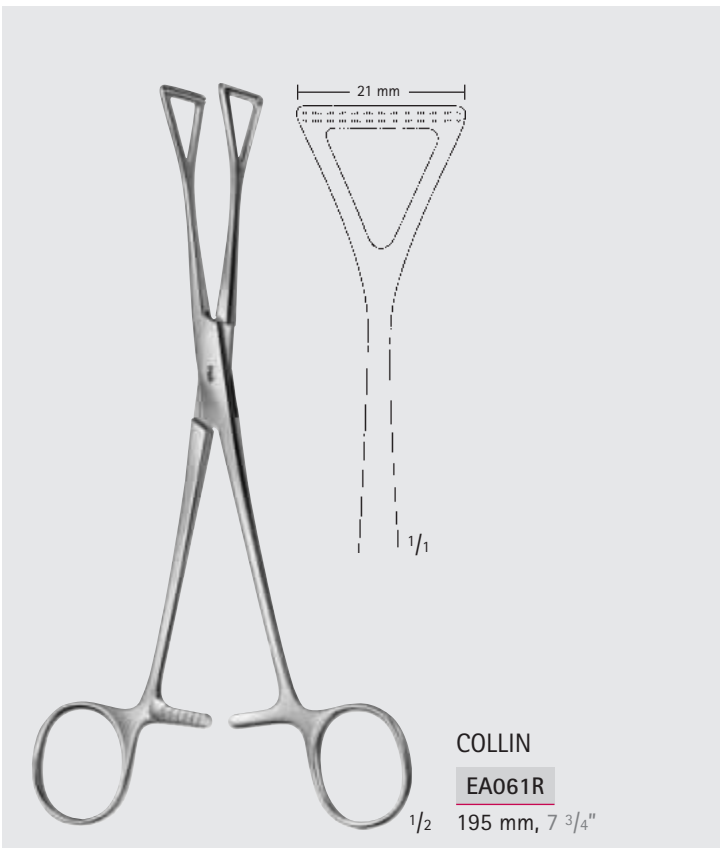
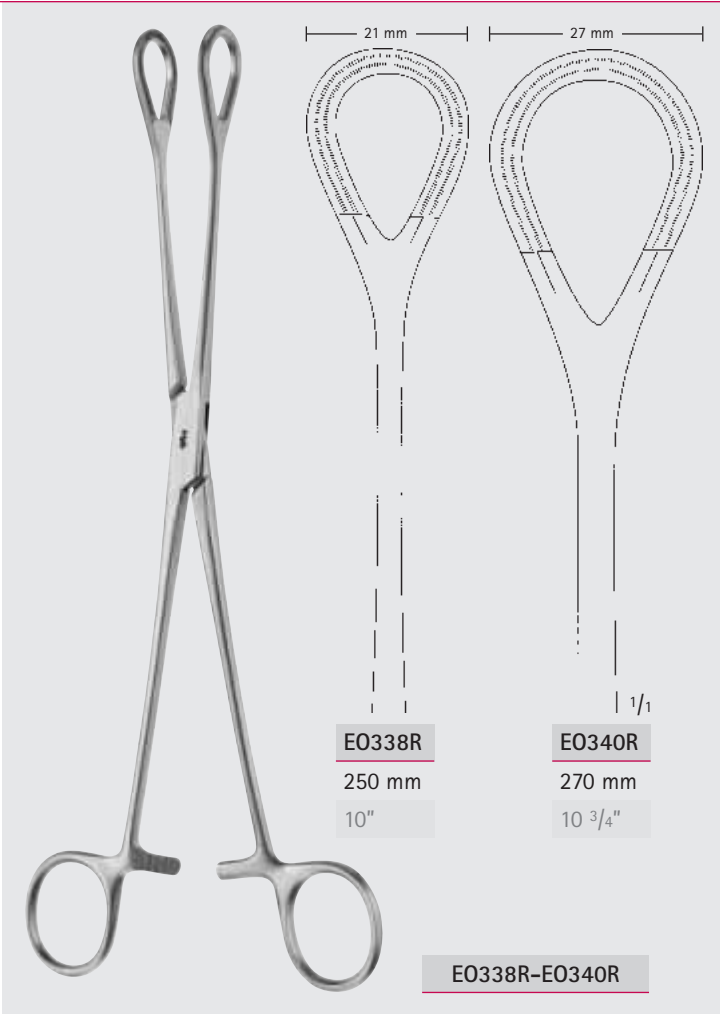
Toothing DE BAKEY

**ARAUMATA®**

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gewebe- und Organfasszangen

Tissue- and Organ Grasping Forceps



**FB**

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Lungenfazzangen, -pinzetten

### Lung Grasping Forceps

Weitere Gewebefazzangen siehe Rubrik EA

Weitere Ligaturklemmen siehe Rubrik BJ

Further tissue grasping forceps see section EA

Further ligature forceps see section BJ

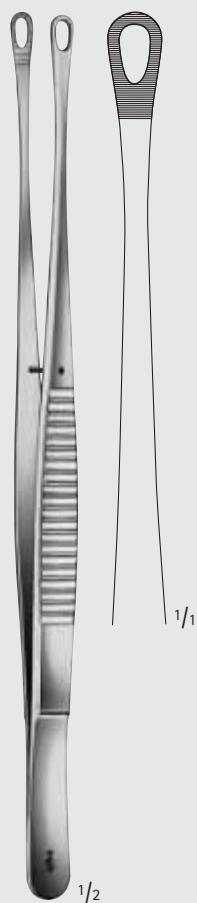
FB



WILLIAMS

EA028R

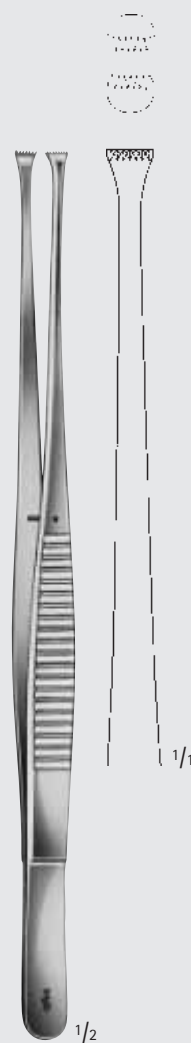
160 mm, 6 1/4"



TUTTLE

BD801R

230 mm, 9"



NELSON

BD802R

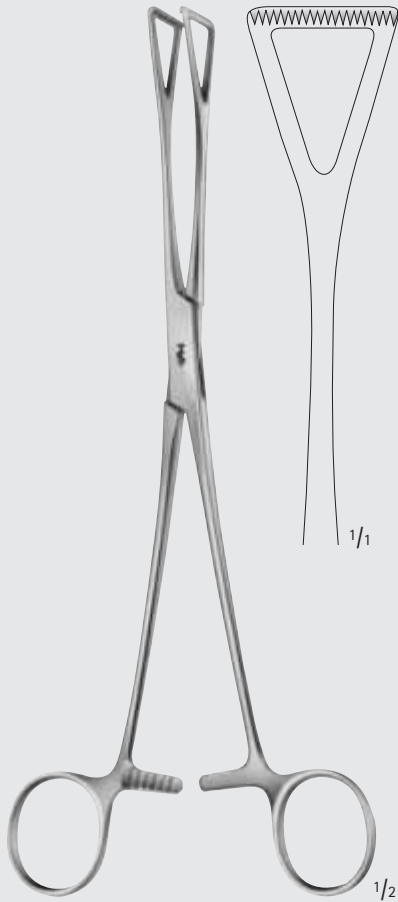
230 mm, 9"





Herz- und Gefäß-Chirurgie – Cardiovascular Surgery  
Lungenfazzangen  
Lung Grasping Forceps

FB



DUVAL

FB930R

1/2 230 mm, 9"



EA031R

170 mm

6 3/4"

EA032R

215 mm

8 1/2"

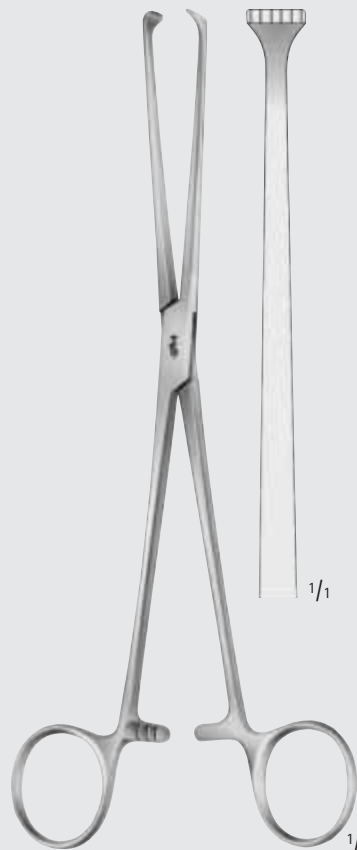
FB934R

220 mm

8 3/4"

BABCOCK

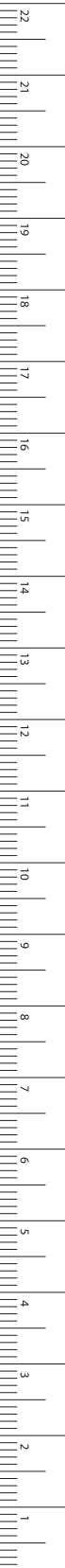
EA031R-FB934R



ALLIS

FB938R

1/2 220 mm, 8 3/4"



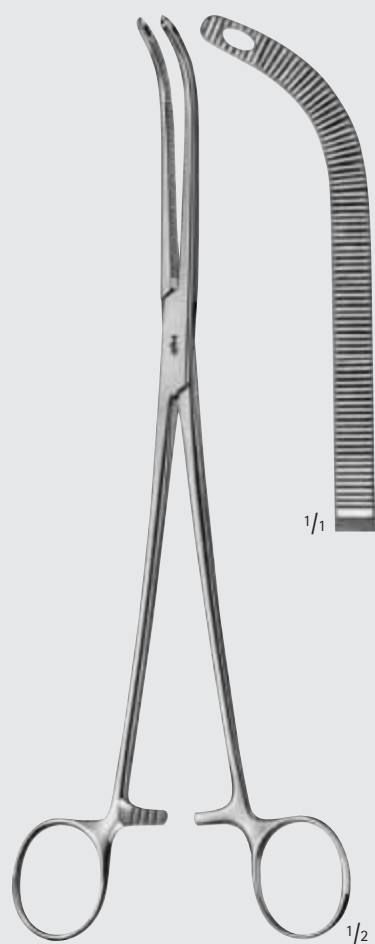
MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Präparier- und Ligaturklemmen

### Dissecting- and Ligature Forceps

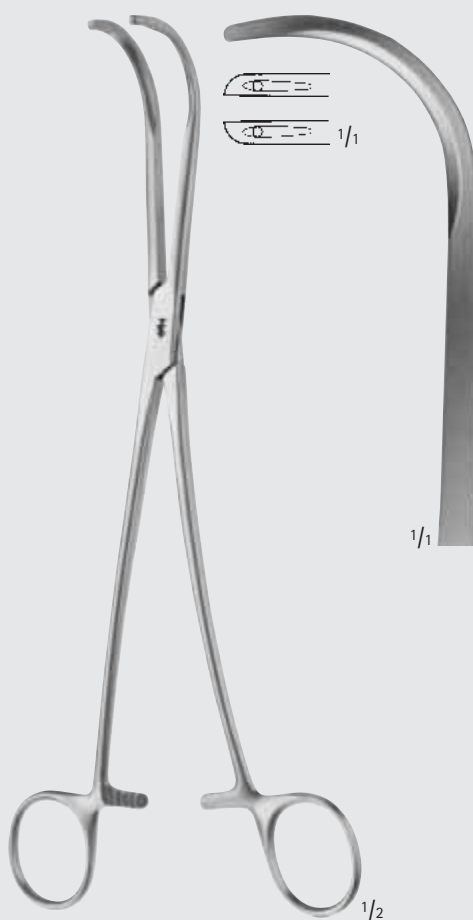
FB



FINOCHIETTO

BJ052R

245 mm, 9 3/4"



SEMB

FB961R

240 mm, 9 1/2"



WIKSTROEM

BJ051R

205 mm, 8"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Präparier- und Ligaturklemmen

### Dissecting- and Ligature Forceps

FB



MIXTER

**BJ055R**

230 mm, 9"



**BJ061R**

220 mm

8 3/4"

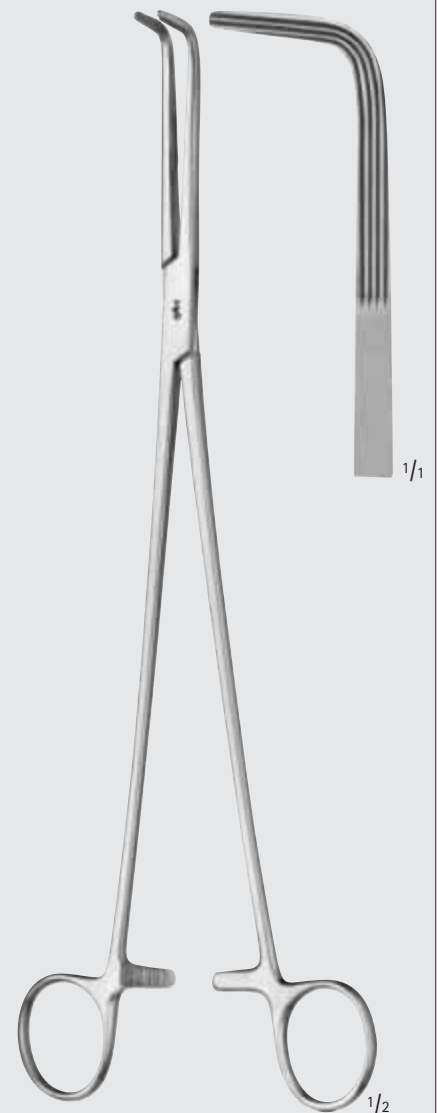
**BJ062R**

250 mm

10"

MIXTER

**BJ061R–BJ062R**



MIXTER

**BJ073R**

290 mm, 11 1/2"



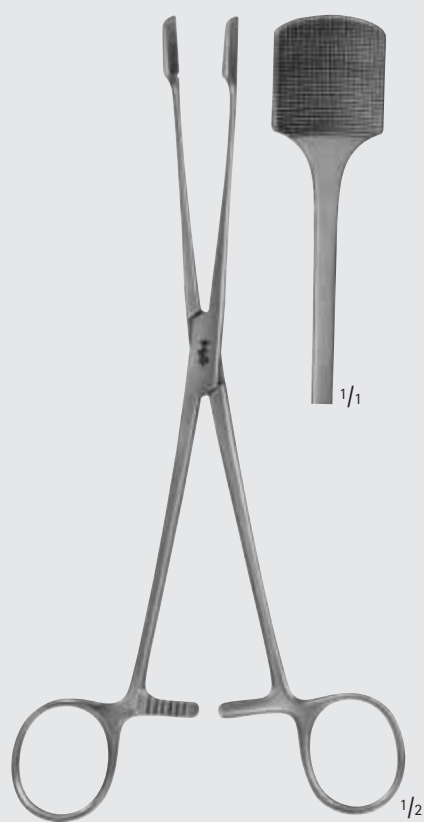
MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Fixierklemme, Carotis Shunt Klemmen

Fixation Clamp, Carotid Shunt Clamps

FB



BORST

**FB940R**

Klemme für eine effiziente Verklebung von Gewebeschichten bei der Aortendissektion  
Forceps for efficient tissue gluing in aortic dissection

215 mm, 8 1/2"



**MB238R**

168 mm

6 5/8"

**MB239R**

180 mm

7"

JAVID

**MB238R-MB239R**

Carotis Shunt Klemmen

Carotid shunt clamps



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gefäßklemmen  
Vascular Clamps

FB



BABY-SATINSKY

FB600R

Anastomosen-Klemme

Anastomosis clamp

$1/2$  150 mm, 6"



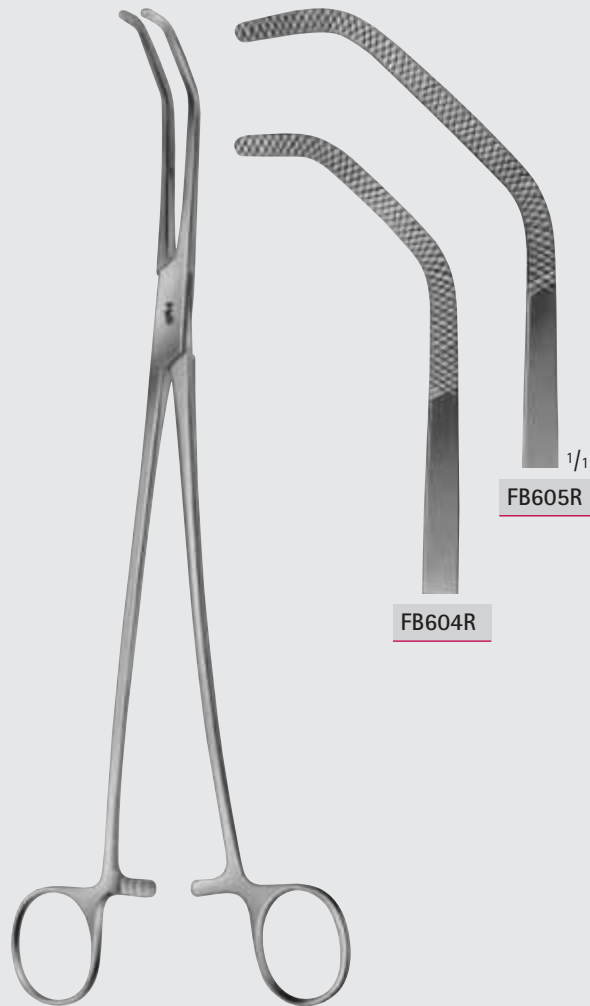
SATINSKY

FB602R

Anastomosen-Klemme

Anastomosis clamp

265 mm, 10  $1/2$ "



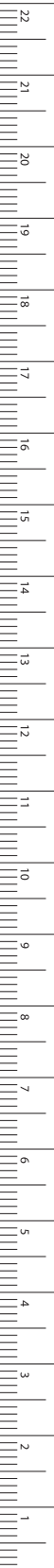
SATINSKY

FB604R-FB605R

Anastomosen-Klemmen

Anastomosis clamps

265 mm, 10  $1/2$ "



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Gefäßklemmen

### Vascular Clamps

FB



**FB633R**

federnd  
elastic

CRAFOORD-SELLORS

**FB633R**

240 mm, 9 1/2"



**FB634R**

federnd  
elastic

**FB635R**

CRAFOORD

**FB634R-FB635R**

240 mm, 9 1/2"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Bronchusklemmen

Bronchus Forceps

FB



PRICE-THOMAS

FB950R

225 mm, 9"



FB955R

80 mm

FB954R

60 mm

FB954R-FB955R

230 mm, 9"

MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

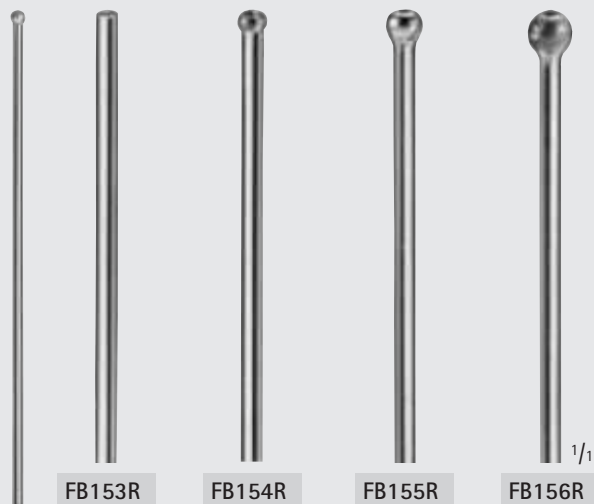
Spülkanülen, Embolusfasszangen

Irrigating Cannulae, Embolus Grasping Forceps

FB



Ø 3 mm diam. 3 mm    Ø 4 mm diam. 4 mm    Ø 5 mm diam. 5 mm    Ø 6 mm diam. 6 mm



FB153R

FB154R

FB155R

FB156R

LUER LOCK 1/2

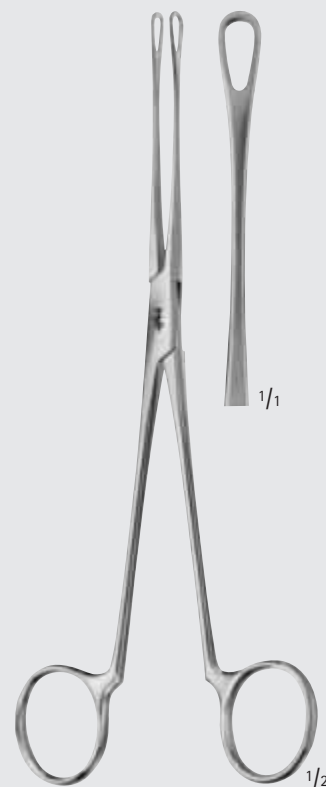
SCHMID

FB153R-FB156R

Gefäß-Spülkanülen,  
biegsam, versilbert

Vessel irrigating cannulae,  
malleable, silver plated

150 mm, 6"



BLAKE

EB220R

Embolusfasszange

Embolus grasping forceps

205 mm, 8"

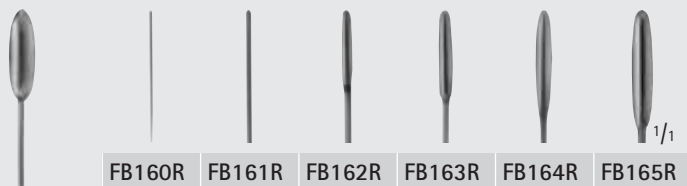




# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

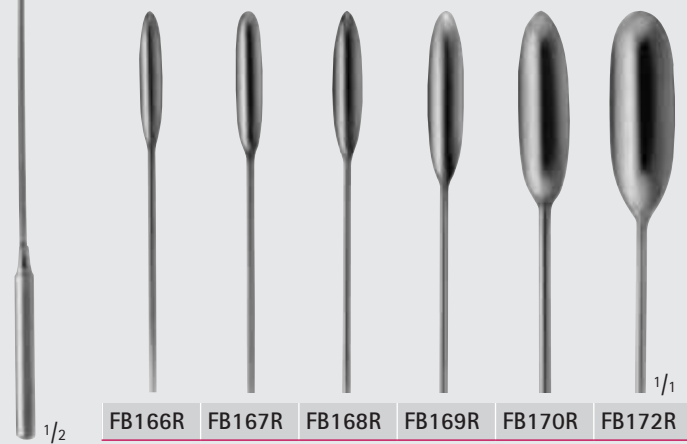
## Gefäßdilatoren Vascular dilators

FB



FB160R FB161R FB162R FB163R FB164R FB165R

	Ø Diam.
FB160R	0,5 mm
FB161R	1,0 mm
FB162R	1,5 mm
FB163R	2,0 mm
FB164R	2,5 mm
FB165R	3,0 mm



FB166R FB167R FB168R FB169R FB170R FB172R

	Ø Diam.
FB166R	3,5 mm
FB167R	4,0 mm
FB168R	4,5 mm
FB169R	5,0 mm
FB170R	7,0 mm
FB172R	9,0 mm

DE BAKEY

FB160R-FB172R

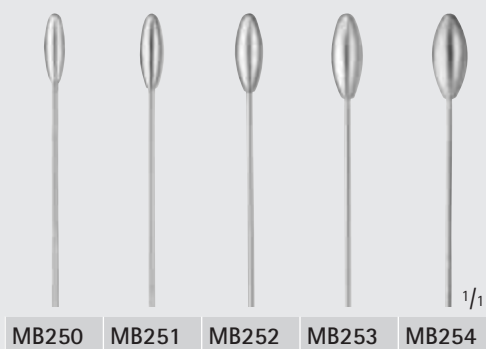
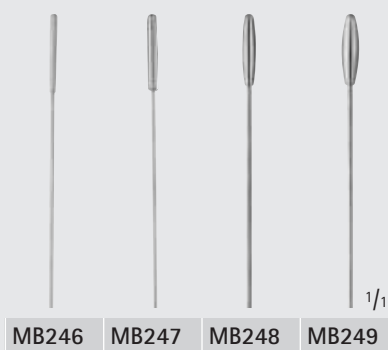
Gefäßdilatoren, biegsam  
Vascular dilators, malleable  
190 mm, 7 1/2"

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Gefäßdilatoren

### Vascular Dilators

FB



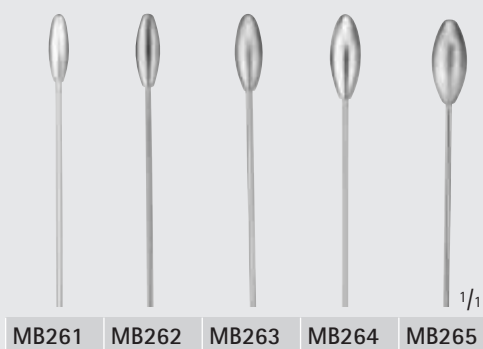
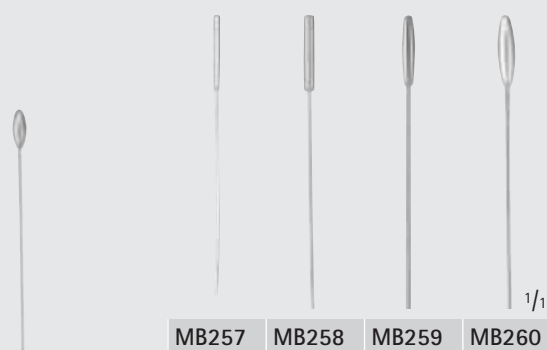
1/2

GARRETT

**MB245**

Set komplett,  
bestehend aus:  
MB246-MB254 jeweils 1 Dilator

Set complete,  
consisting of:  
MB246-MB254 1 dilator of each  
140 mm, 5 1/2"



1/2

GARRETT

**MB256**

Set komplett,  
bestehend aus:  
MB257-MB265 jeweils 1 Dilator

Set complete,  
consisting of:  
MB257-MB265 1 dilator of each  
215 mm, 8 1/2"



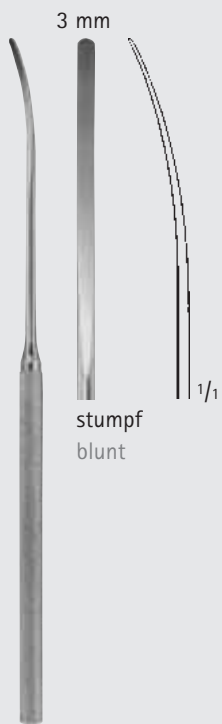
# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Gefäßspatel Vascular Spatulas

**FB**



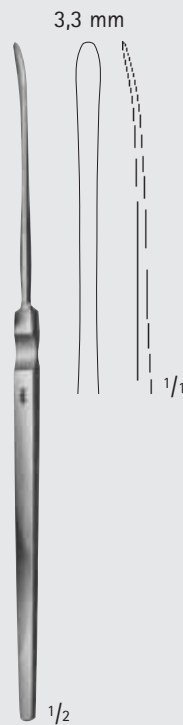
MILLIMETERS



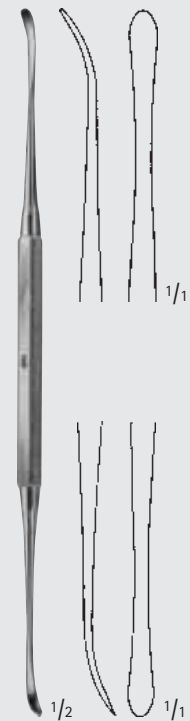
FB150R	185 mm	7 1/4"
FB151R	215 mm	8 1/2"



FD333R	230 mm, 9"
--------	------------



HALLE	OL160R
stumpf blunt	180 mm, 7"



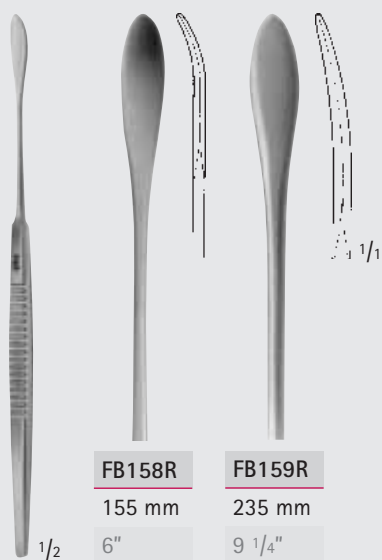
FREER	OL165R
scharf/stumpf sharp/blunt	185 mm, 7 1/4"

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Gefäßspatel

Vascular Spatulas

FB



**FB158R**

155 mm

6"

**FB159R**

235 mm

9 1/4"

SCHMID

**FB158R-FB159R**

stumpf

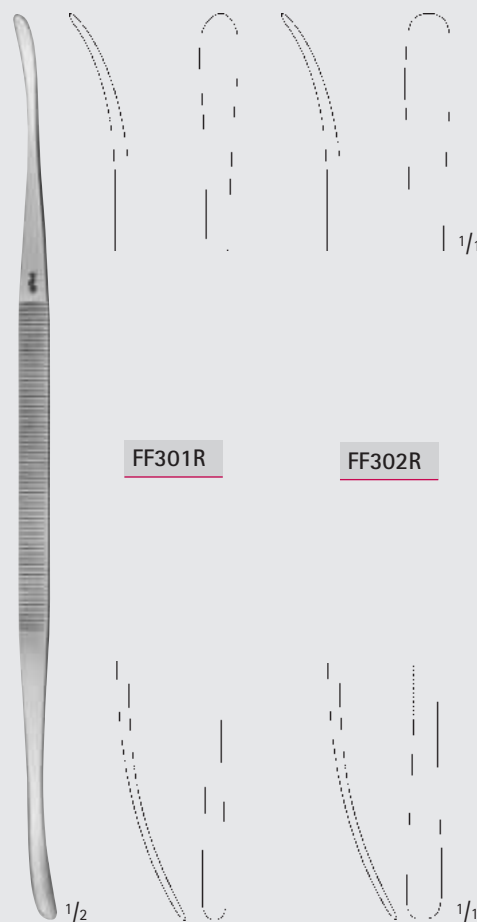
blunt



DAVIS

**FF300R**

245 mm, 9 3/4"



**FF301R**

**FF302R**

TÖNNIS

**FF301R-FF302R**

240 mm, 9 1/2"

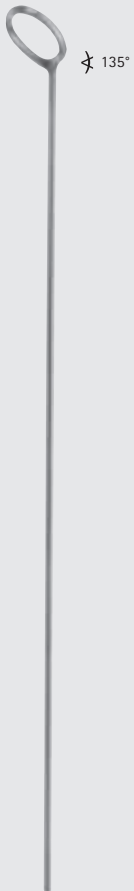
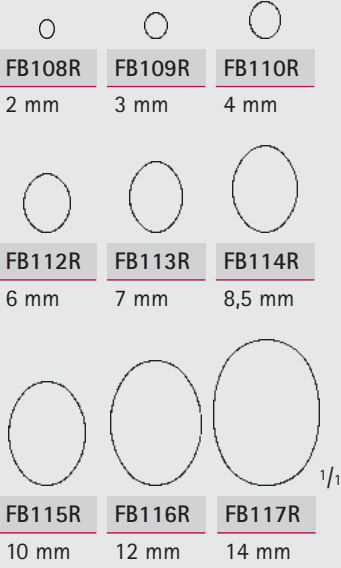


## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Endarterektomiestripper, Tourniquets

### Endarterectomy Strippers, Tourniquets

**FB**



**FB108R-FB117R**  
Endarterektomiestripper  
Endarterectomy strippers  
550 mm, 22"



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



**RUMEL-BELMONT**

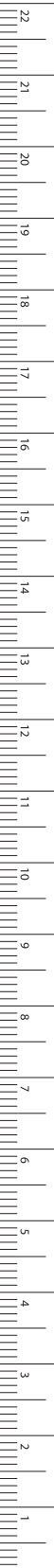
**FB651R**  
Ø  
diam.  
4 mm  
325 mm, 13"



**FB653R**  
Mandrin allein  
Guide only



**FB654R**  
Mandrin allein  
Guide only

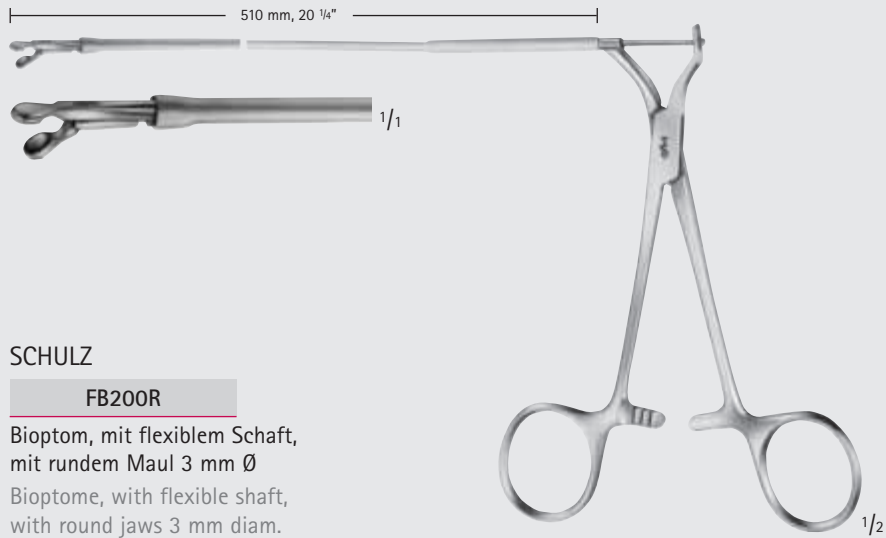


## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Bioptom und Aorta-Dilatatoren, Aortenstanzen

Bioptome und Aortic Dilators, Aorta Punches

FB

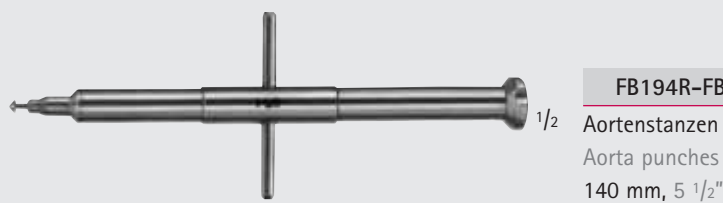


SCHULZ

**FB200R**

Bioptom, mit flexiblem Schaft,  
mit rundem Maul 3 mm Ø

Bioptome, with flexible shaft,  
with round jaws 3 mm diam.



**FB194R-FB196R**

Aortenstanzen  
Aorta punches  
140 mm, 5 1/2"



**FB194R** Ø 4 mm diam. 4 mm

**FB195R** Ø 5 mm diam. 4 mm

**FB196R** Ø 6 mm diam. 4 mm

VASCUCUT Stanzenköpfe  
Bestelleinheit:

PAK = Packung à 5 Stück

VASCUCUT Punch heads

Sales unit:

PAK = Package of 5 pieces



**FB184R**

Ø 4 mm  
diam. 4 mm

**FB185R**

Ø 5 mm  
diam. 5 mm

**FB186R**

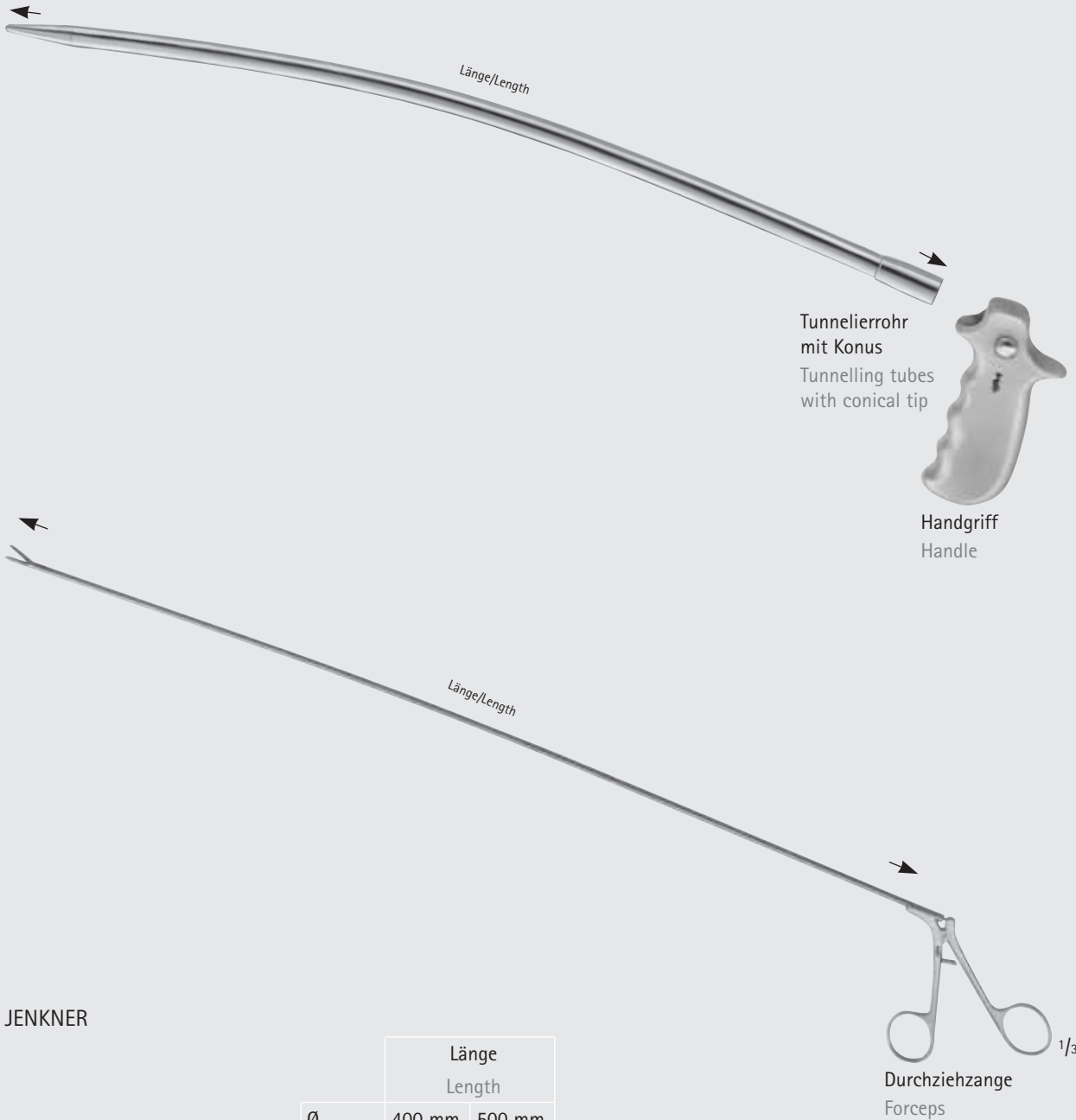
Ø 6 mm  
diam. 6 mm

**FB180R**

VASCUCUT Handgriff allein  
VASCUCUT Handle only

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Tunnelierungs- und Durchzugsinstrumentarium für Gefäßprothesen Instrument Set for Tunnelling and Pulling-Through Vascular Grafts


**JENKNER**

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

Informationen über das operative Vorgehen siehe Prospekt C-060.  
Information about the operative procedure see leaflet C-060.

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Gefäßprothesen-Durchziehzange

#### Vascular Prosthesis Draw-In 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.

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 mouth of the introducer forceps.



ALLENBERG

FC048R

gebogen  
curved

540 mm, 21 1/2"



FC049R

Bulldog-Klemme  
Bulldog clamp  
40 mm, 1 1/2"





WITT

**SR421R** 1,5 x 51 mm

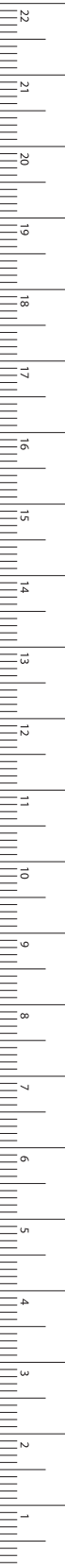
Sternum-Punktionskanüle  
 mit Luer-Ansatz  
 Sternal puncture needle  
 with Luer cone



SCHUMACHER

**FB911R**

Sternumschere  
 Sternum shears  
 210 mm, 8 1/4"



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Sternum-Instrumente

Sternum Instruments

FB



BRAUN-STADLER

ET141R

Sternumschere für Kinder  
Sternum shears for children  
200 mm, 8"



LEBSCHE

FB918R

Sternummeißel  
Sternum chisel  
200 mm, 8"



Herz- und Gefäß-Chirurgie – Cardiovascular Surgery  
Rippenscheren  
Rib Shears

FB



**FB870R**

230 mm, 9"



GLUCK

**FB873**

190 mm, 7 1/2"



BETHUNE

**FB878R**

340 mm, 13 1/2"



SAUERBRUCH

**FB881R**

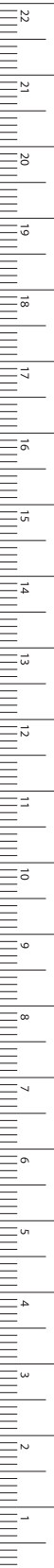
für Kinder  
for children

240 mm, 9 1/2"

**FB882R**

für Erwachsene  
for adults

270 mm, 10 3/4"



MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Rippenscheren

Rib Shears

FB



BRUNNER

**FB892R**

Universalmodell

Universal pattern

340 mm, 13 1/2"



GIERTZ-STILLE

**FB890R**

250 mm, 10"



**Herz- und Gefäß-Chirurgie – Cardiovascular Surgery**  
 Rippenfasszangen, Knochensplitterzangen  
 Rib Holding Forceps, Bone Cutting Forceps

**FB**



SEMB

**FO135R**

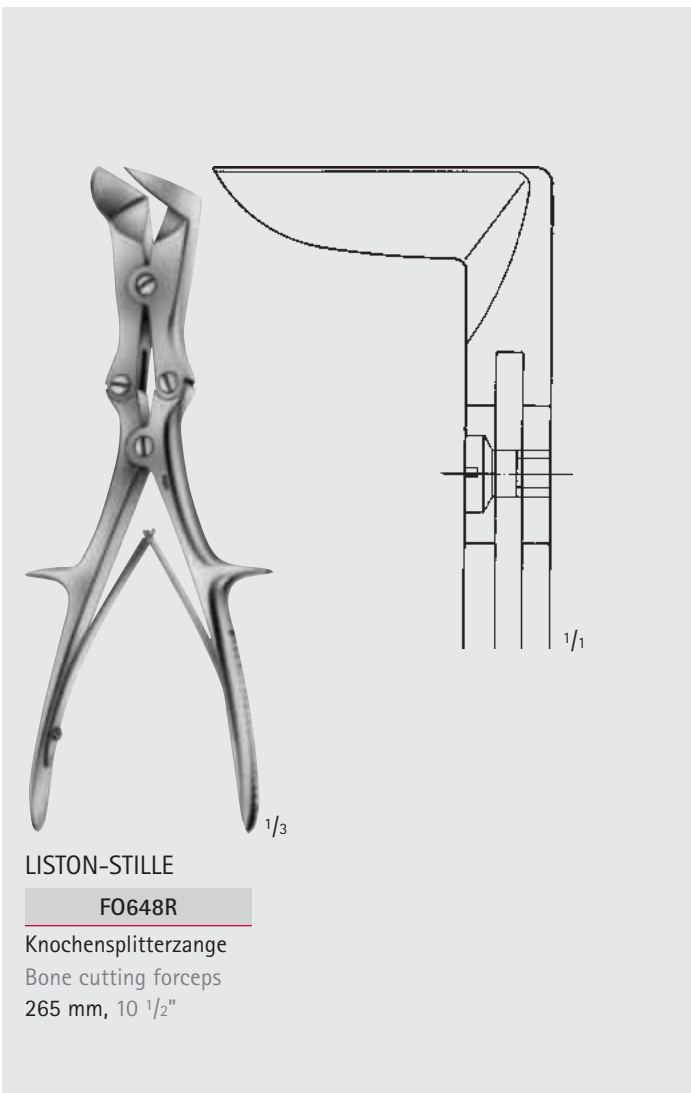
Rippen- und Knochenfasszange  
 Rib- and bone holding forceps  
 1/2 190 mm, 7 1/2"



SEMB

**FO136R**

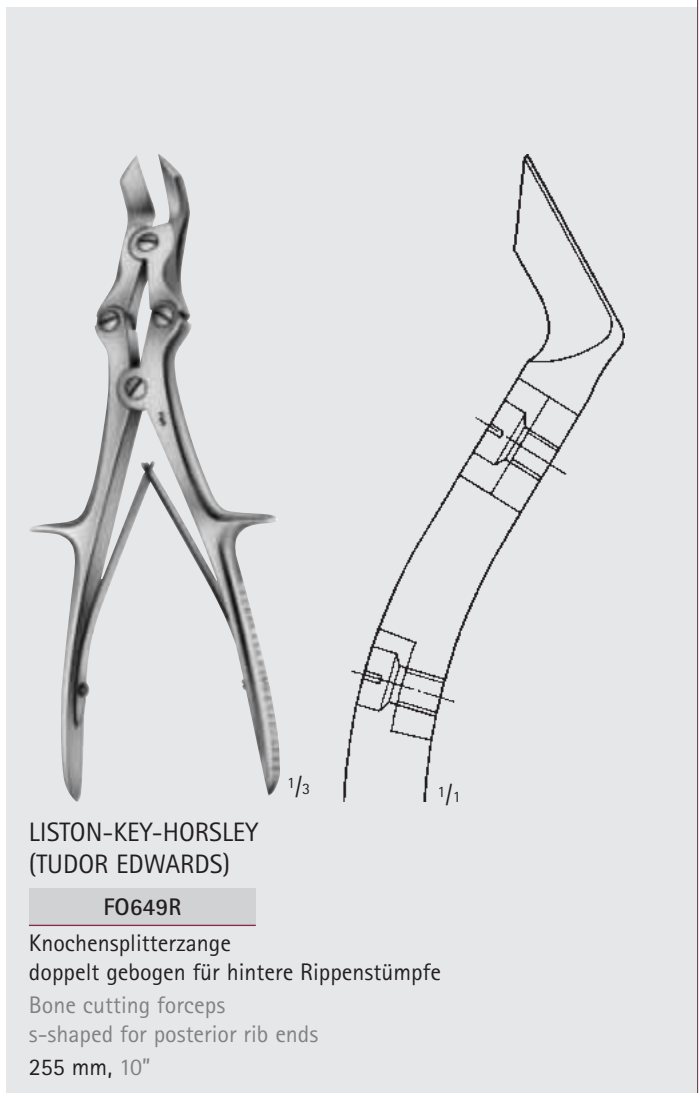
Rippen- und Knochenfasszange  
 Rib- and bone holding forceps  
 1/2 190 mm, 7 1/2"



LISTON-STILLE

**FO648R**

Knochensplitterzange  
 Bone cutting forceps  
 265 mm, 10 1/2"



LISTON-KEY-HORSLEY  
 (TUDOR EDWARDS)

**FO649R**

Knochensplitterzange  
 doppelt gebogen für hintere Rippenstümpfe  
 Bone cutting forceps  
 s-shaped for posterior rib ends  
 255 mm, 10"



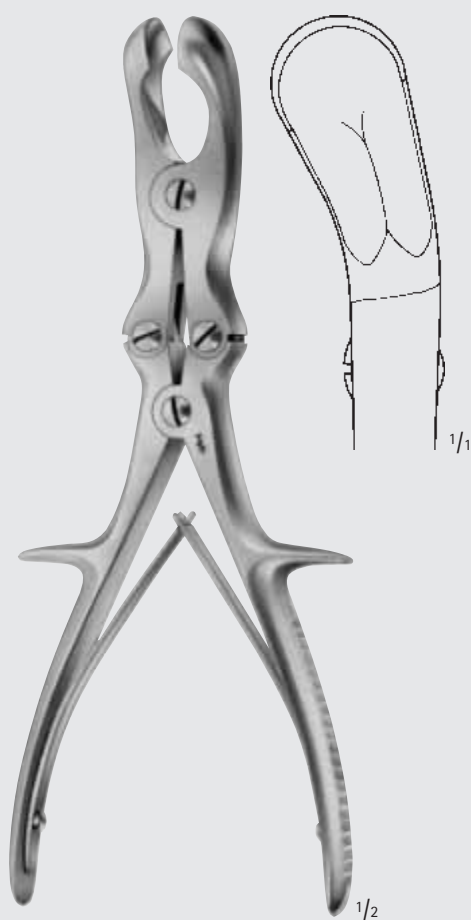
MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Hohlmeißelzangen

### Rib Rongeurs

Weitere Knochenhaltezangen, Knochensplitzerzangen und Hohlmeißelzangen siehe Rubrik FO  
Further bone holding forceps, bone cutting forceps and bone rongeurs see section FO

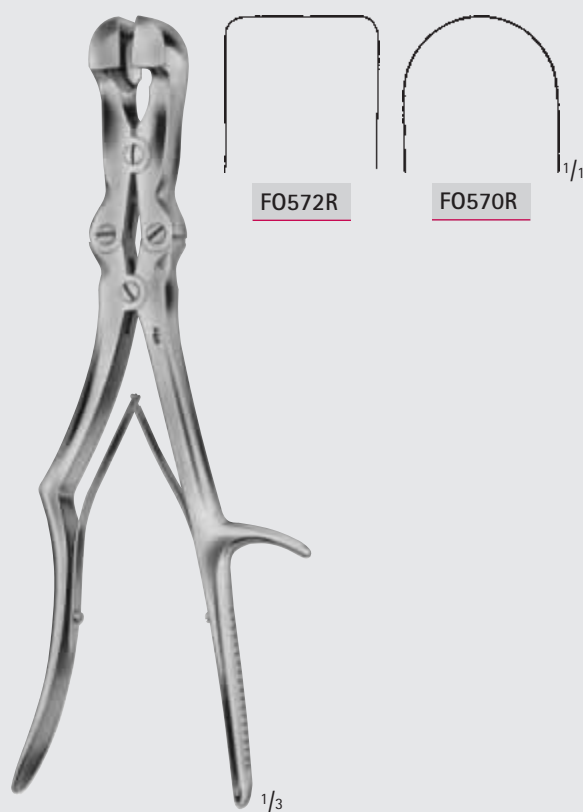


SEMB

**FO555R**

Hohlmeißelzange zum Kürzen der Rippenstümpfe  
Rib rongeur to shorten the rib stumps

240 mm, 9 1/2"



SAUERBRUCH-CORYLLOS

**FO570R-FO572R**

Hohlmeißelzange zum Kürzen der Rippenstümpfe  
Rib rongeur to shorten the rib stumps

310 mm, 12 3/8"





Herz- und Gefäß-Chirurgie – Cardiovascular Surgery  
Rippenraspatorien  
Rib Raspatories

FB



DOYEN

FK400R-FK401R

für Kinder  
for children  
175 mm, 7"

1/2



DOYEN

FK402R-FK403R

für Erwachsene  
for adults  
175 mm, 7"

1/2



DOYEN

FK408R-FK409R

240 mm, 9 1/2"

1/2



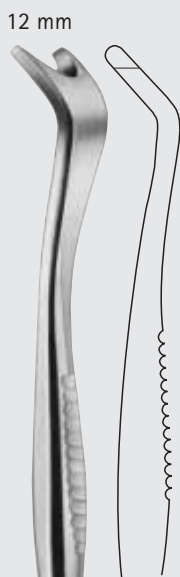
MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

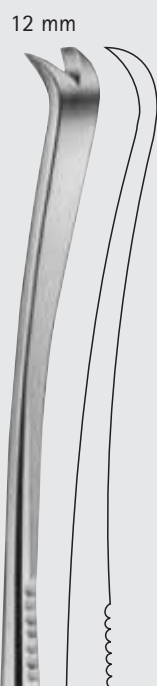
## Rippenraspatorien

### Rib Raspatories

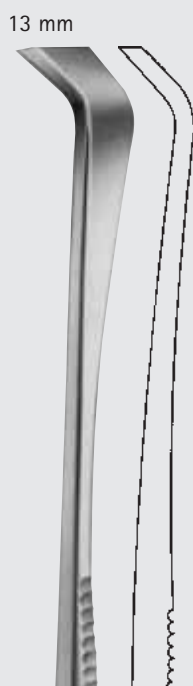
FB



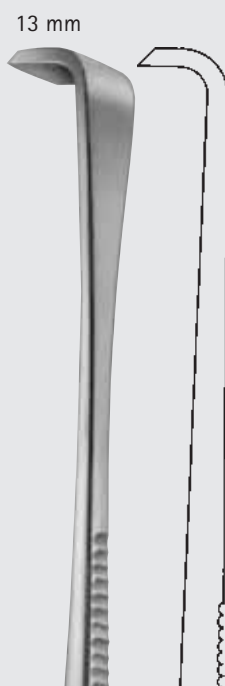
**FK381R**  
190 mm  
7 1/2"



**FK382R**  
230 mm  
9"



**FK383R**  
230 mm  
9"



**FK384R**  
230 mm  
9"

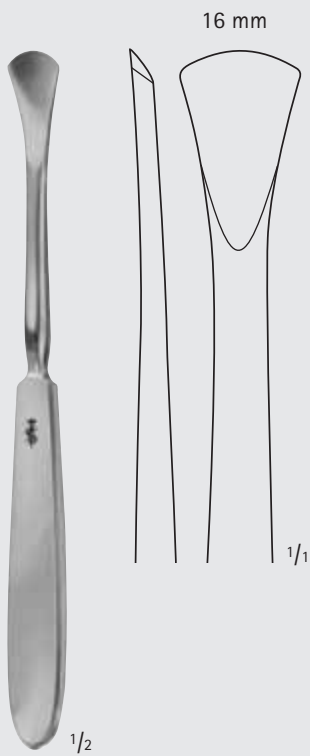


**FK387R**  
230 mm  
9"

SEMB

**FK381R-FK387R**





LANGENBECK

**FK360R**

190 mm, 7 1/2"



LAMBOTTE

**FK355R** 5 mm

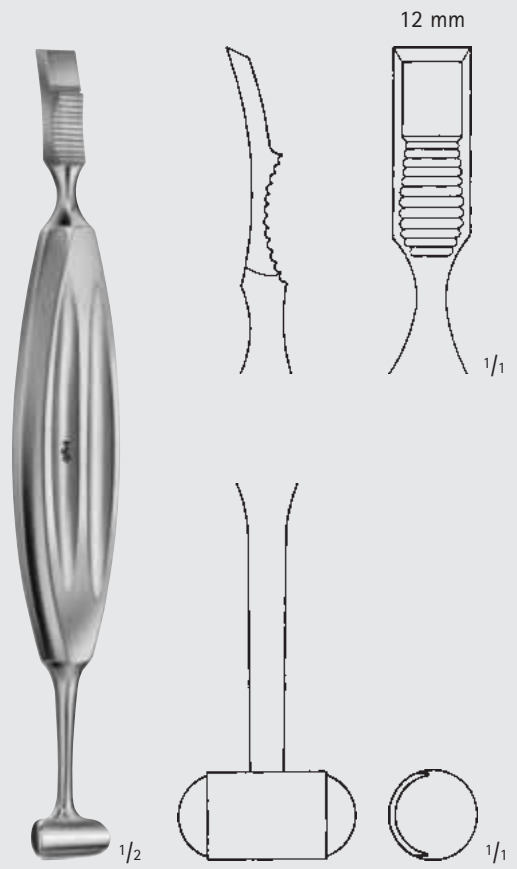
**FK356R** 10 mm

**FK357R** 15 mm

**FK358R** 20 mm

**FK359R** 25 mm

215 mm, 8 1/2"



ALEXANDER

**FK420R**

210 mm, 8 1/4"

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Thoraxsperrer (Aluminium)

### Thoracic Retractors (Aluminium)

FB



Maßangaben für Blattgrößen der Rippensperrer

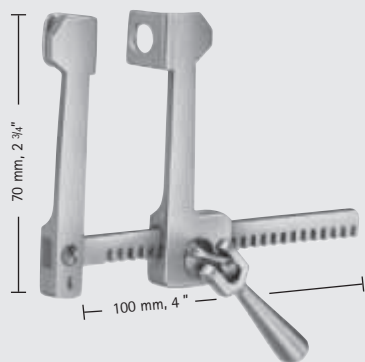
1. Zahl = Tiefe Beispiel: 38 x 45 mm

2. Zahl = Breite

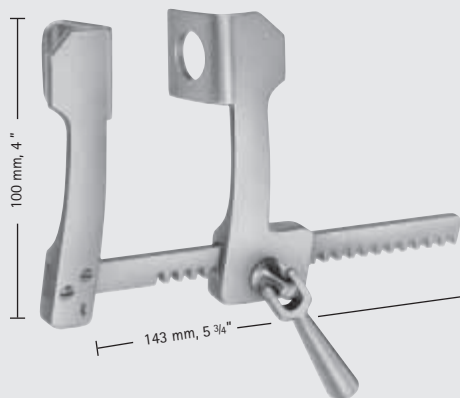
Dimensions for blade size of rib spreaders:

1st number = depth Example: 38 x 45 mm

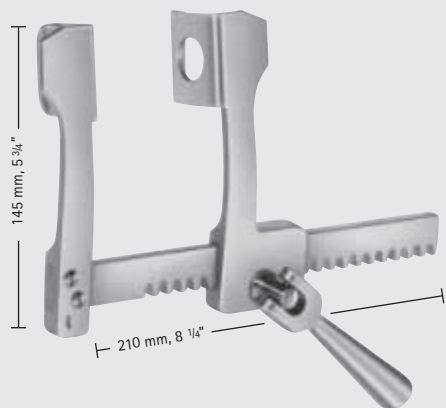
2nd number = width



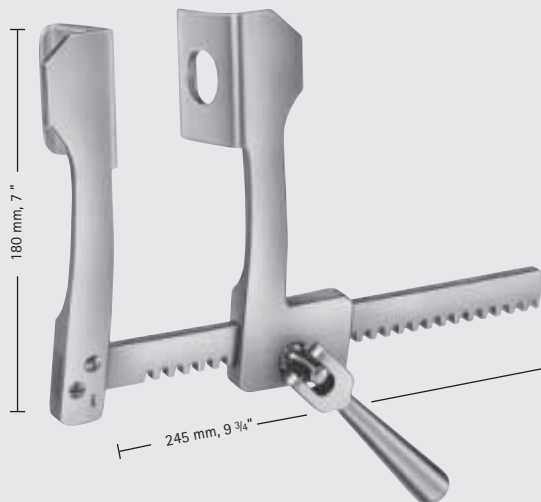
Blätter  
Blades  
**FINOCHIETTO**  
**FC040A** 12 x 15 mm



Blätter  
Blades  
**FINOCHIETTO**  
**FC041A** 28 x 30 mm



Blätter  
Blades  
**FINOCHIETTO**  
**FC042A** 31 x 45 mm



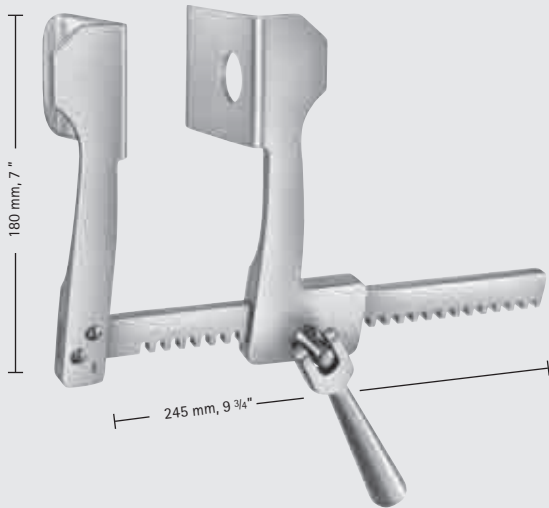
Blätter  
Blades  
**FINOCHIETTO**  
**FC043A** 42 x 61 mm



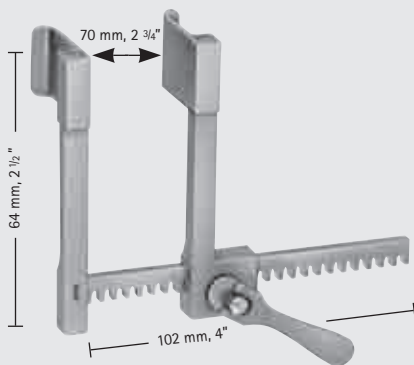
## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Thoraxsperrer (Aluminium), Rippensperrer für Kleinkinder  
Thoracic Retractors (Aluminium), Rib Retractors for Infants

FB



**FINOCHIETTO**  
Blätter  
Blades  
**FC044A** 74 x 64 mm



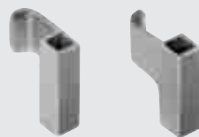
**STRUCK**  
**FB852R**

Rippensperrer für Kleinkinder  
komplett,  
bestehend aus:

- FB853R Sperrer allein
- FB857R Blätter (Paar)
- FB858R Blätter (Paar)

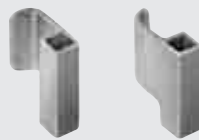
Rib spreader for infants complete,  
consisting of:

- FB853R Retractor only
- FB857R Blades (pair)
- FB858R Blades (pair)



Blätter  
Blades

**FB854R** 10 x 10 mm



Blätter  
Blades

**FB855R** 10 x 15 mm



Blätter  
Blades

**FB857R** 15 x 20 mm



Blätter  
Blades

**FB856R** 10 x 20 mm



Blätter  
Blades

**FB858R** 20 x 20 mm

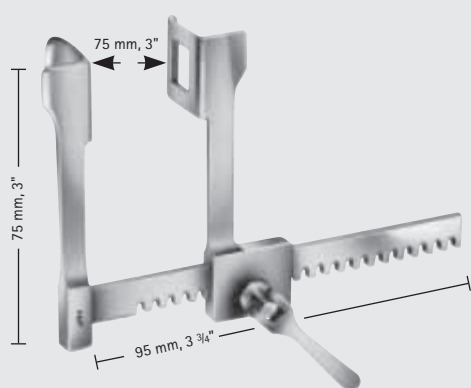


MILLIMETERS

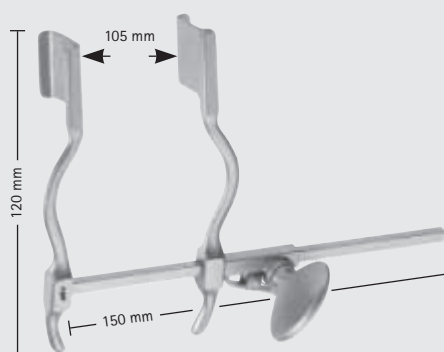
## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Rippensperrer für Kinder  
Rib Retractors for Infants

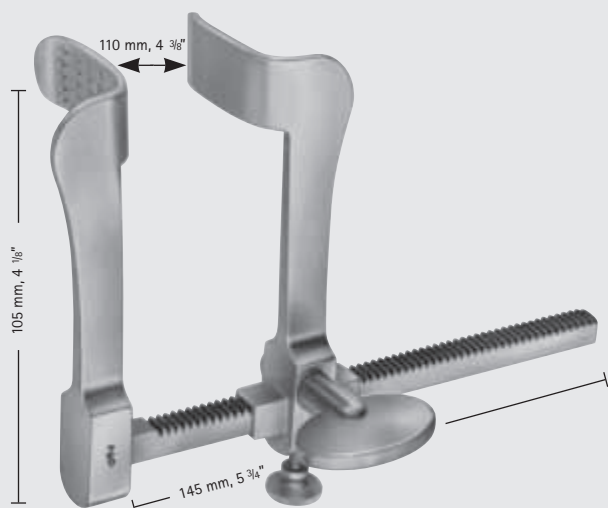
FB



FINOCHIETTO  
Blätter  
Blades  
**FB830R** 18 x 21 mm



HERTZLER  
Blätter  
Blades  
**BV512R** 20 x 25 mm



TUFFIER  
Blätter  
Blades  
**FB847R** 32 x 19 mm

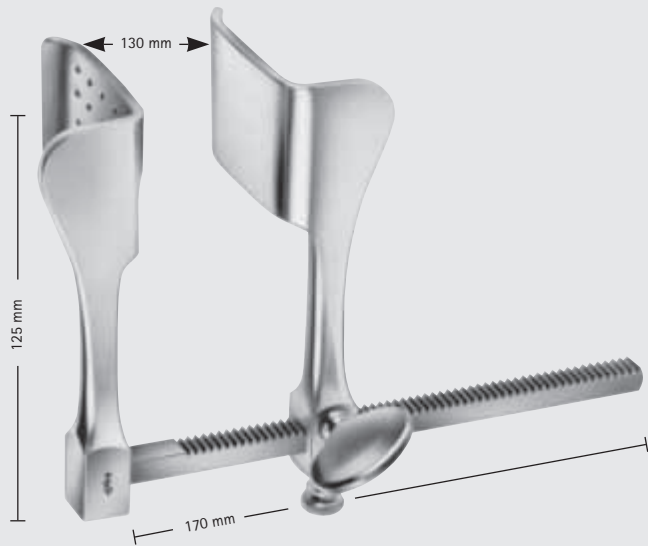




# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Rippensperrer Rib Retractors

FB

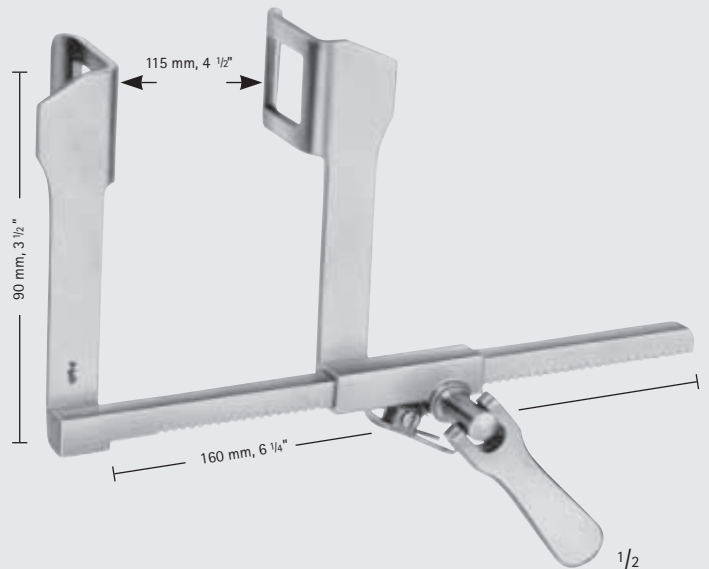


TUFFIER

Blätter  
Blades

FB800R

43 x 53 mm

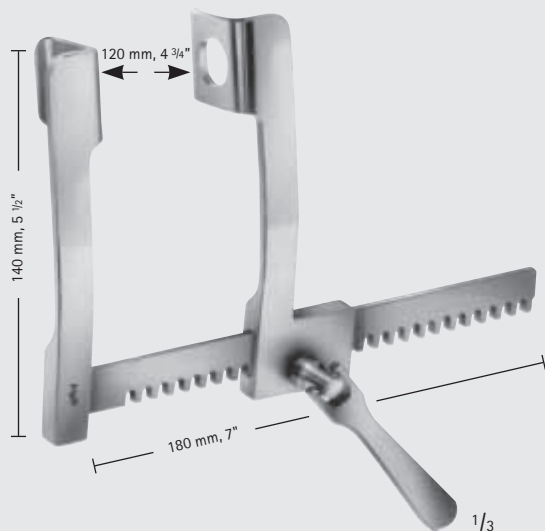


HAIGHT

Blätter  
Blades

FB835R

30 x 30 mm

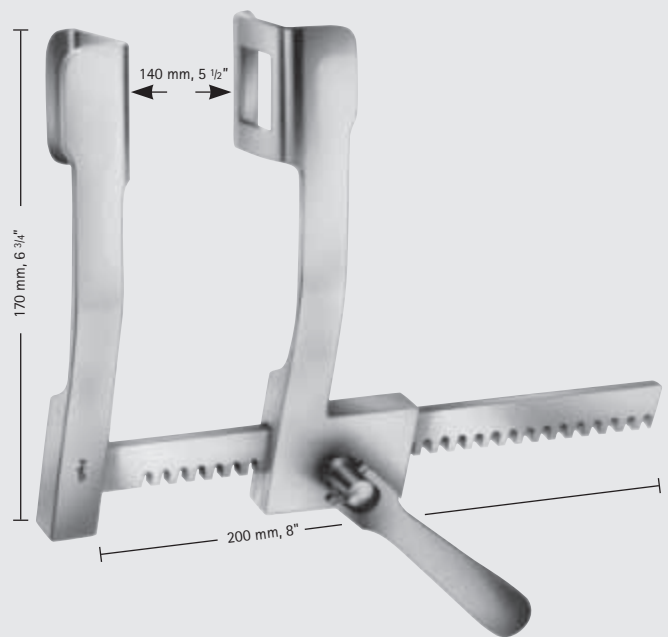


FINOCHIETTO

Blätter  
Blades

FB836R

28 x 32 mm



FINOCHIETTO

Blätter  
Blades

FB802R

36 x 45 mm



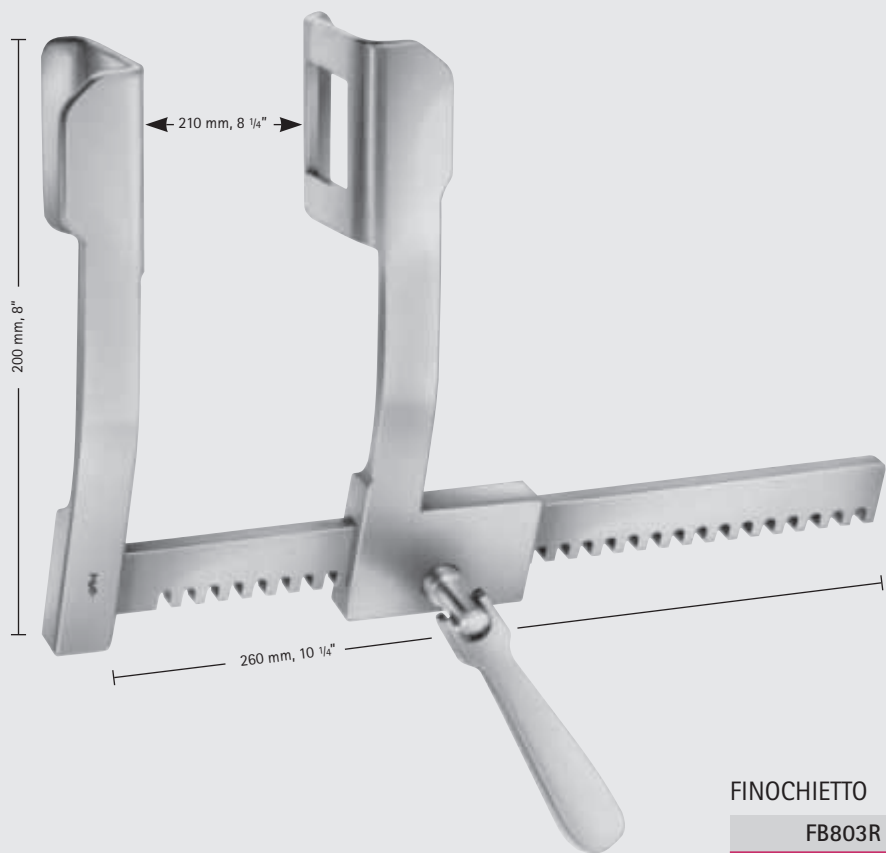
MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Rippensperrer

## Rib Retractors

FB



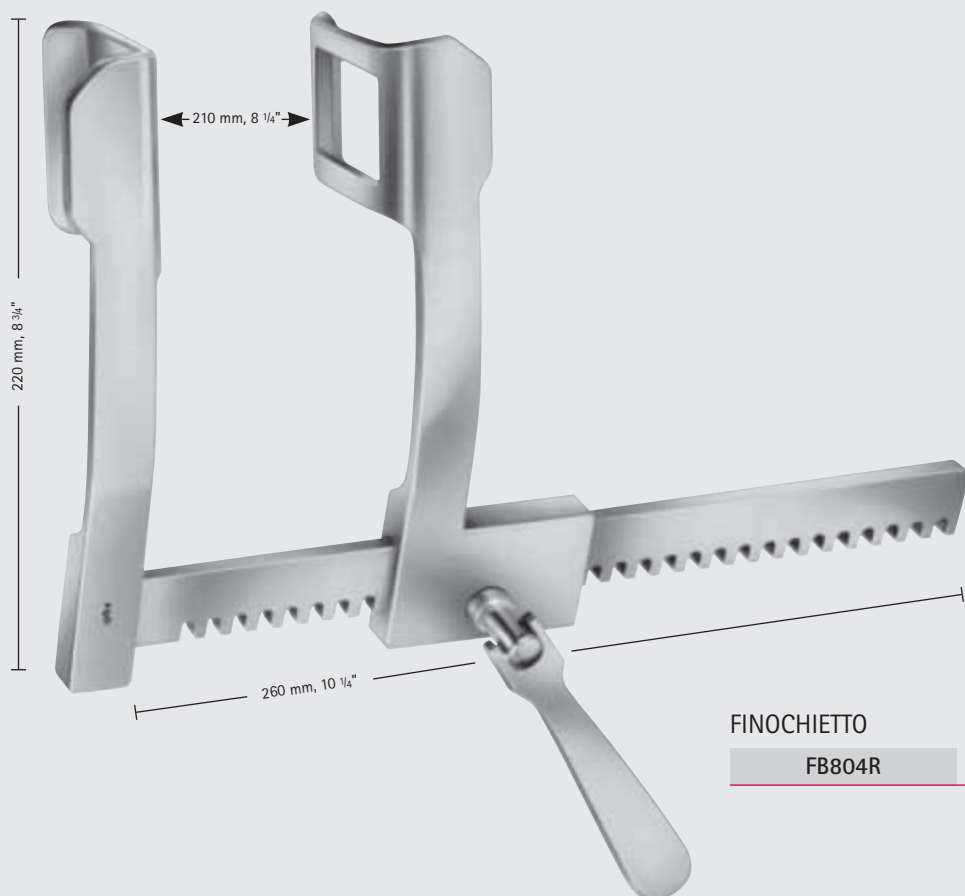
FINOCHIETTO

FB803R

Blätter

Blades

44 x 65 mm



FINOCHIETTO

FB804R

Blätter

Blades

65 x 65 mm

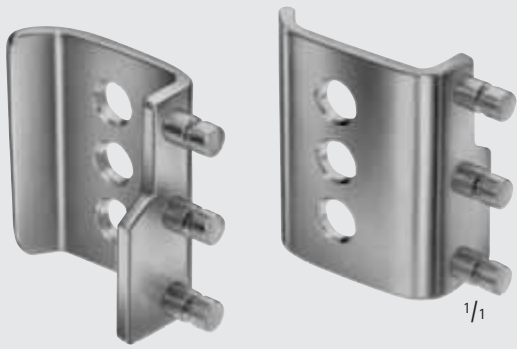




# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

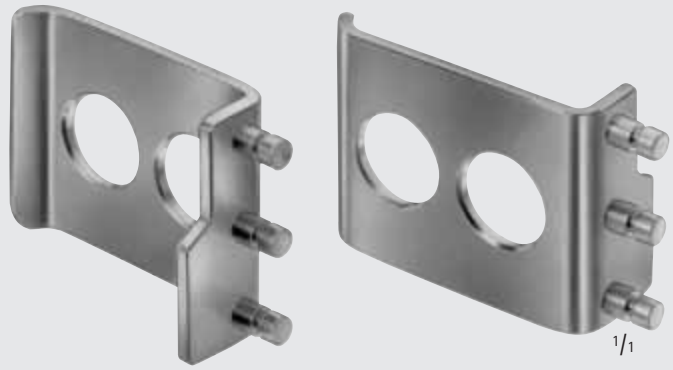
## Rippensperrer Rib Retractors

FB



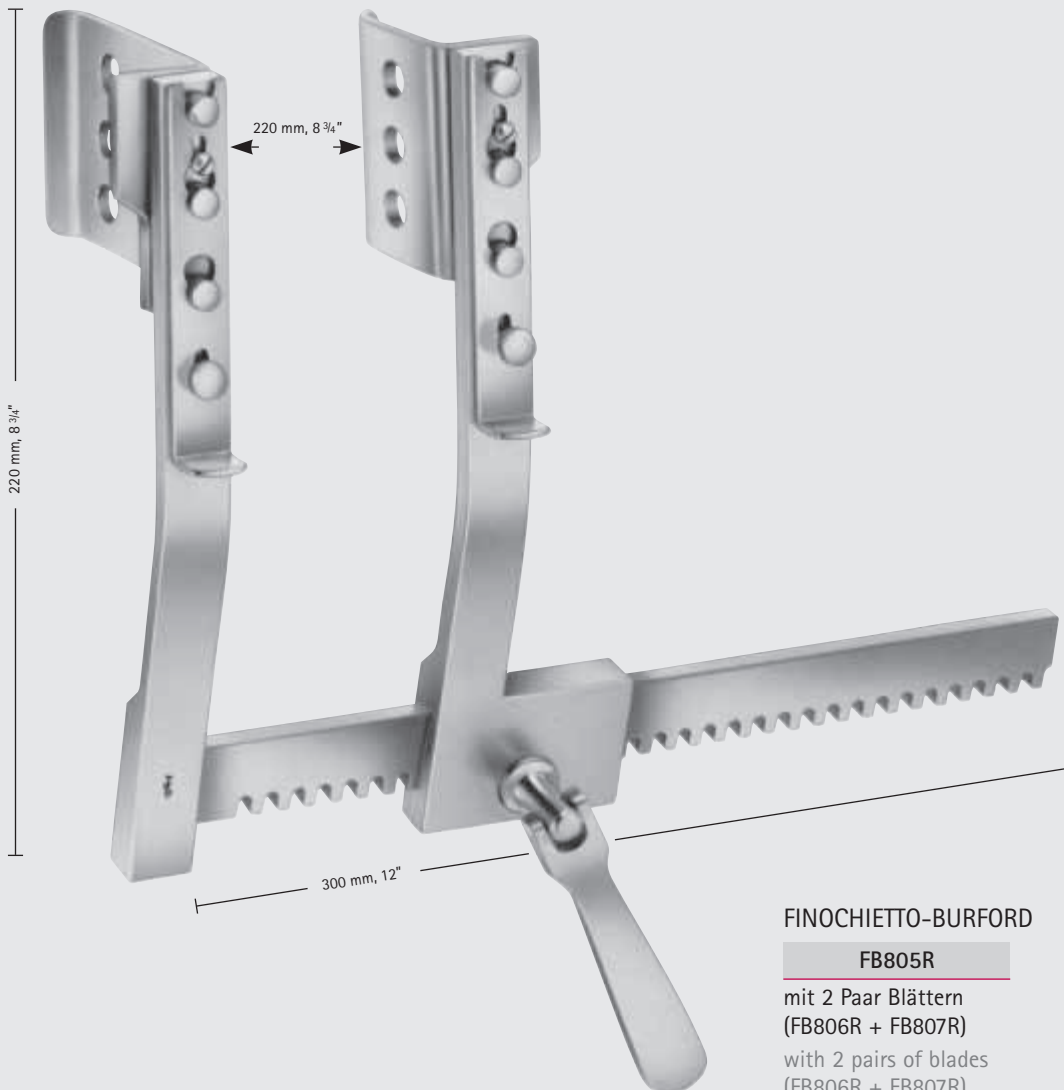
Blätter  
Blades

**FB806R** 45 x 64 mm



Blätter  
Blades

**FB807R** 75 x 64 mm



**FINOCHIETTO-BURFORD**

**FB805R**

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



MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Rippensperrer

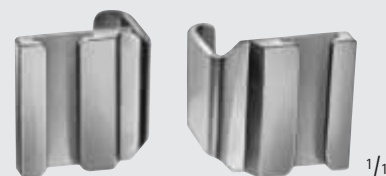
### Rib Retractors

Besondere Vorteile:

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

Special advantages:

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



**FB810R** 30 x 30 mm

Blätter

Blades



**FB811R** 40 x 40 mm

Blätter

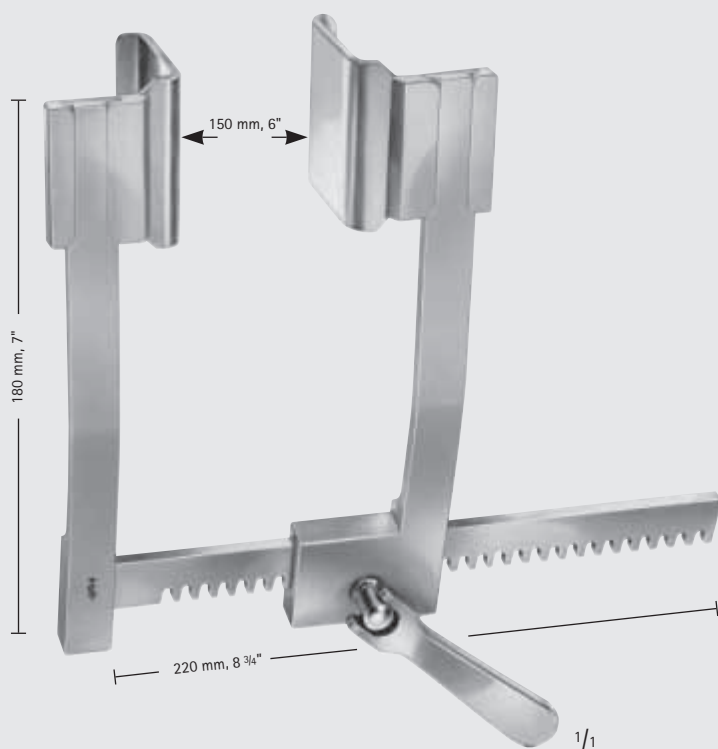
Blades



**FB812R** 50 x 50 mm

Blätter

Blades



DE BAKEY

**FB808R**

Rippensperrer komplett,  
bestehend aus:

- FB809R Sperrer allein
- FB810R Blätter (Paar)
- FB811R Blätter (Paar)
- FB812R Blätter (Paar)

Rib spreader complete,  
consisting of:

- FB809R Spreader only
- FB810R Blades (pair)
- FB811R Blades (pair)
- FB812R Blades (pair)



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

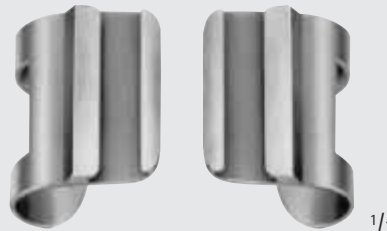
### Rippensperrer Rib Retractors

Besondere Vorteile:

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

Special advantages:

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



**FB813R** 50 x 66 mm  
Sternotomieblätter  
Sternotomy blades



**FB816R** 60 x 60 mm  
Blätter  
Blades



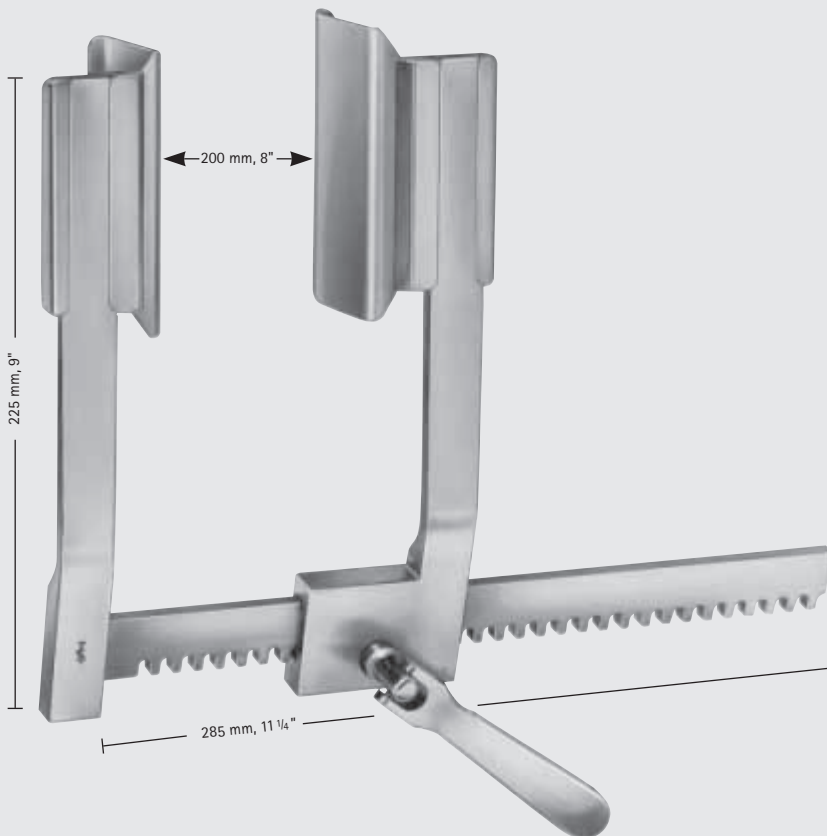
**FB817R** 50 x 80 mm  
Blätter  
Blades



**FB818R** 40 x 100 mm  
Blätter  
Blades



**FB819R** 80 x 60 mm  
Blätter  
Blades



DE BAKEY

**FB814R**

Rippensperrer komplett,  
bestehend aus:

- FB815R Sperrer allein
- FB816R Blätter (Paar)
- FB817R Blätter (Paar)
- FB818R Blätter (Paar)

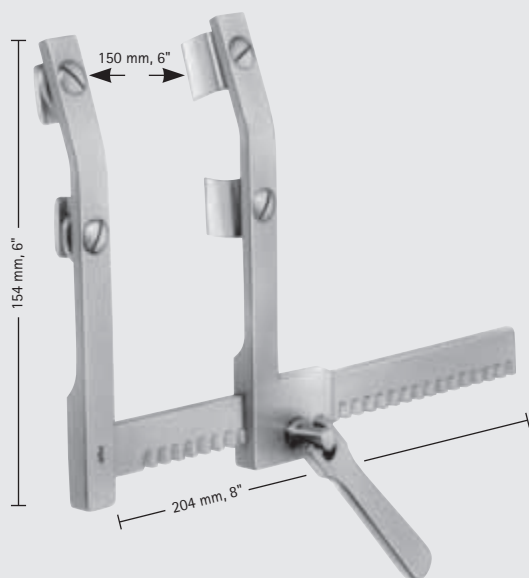
Spreader complete,  
consisting:

- FB815R Spreader only
- FB816R Blades (pair)
- FB817R Blades (pair)
- FB818R Blades (pair)

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Sternum-Sperrer  
Sternum Spreaders

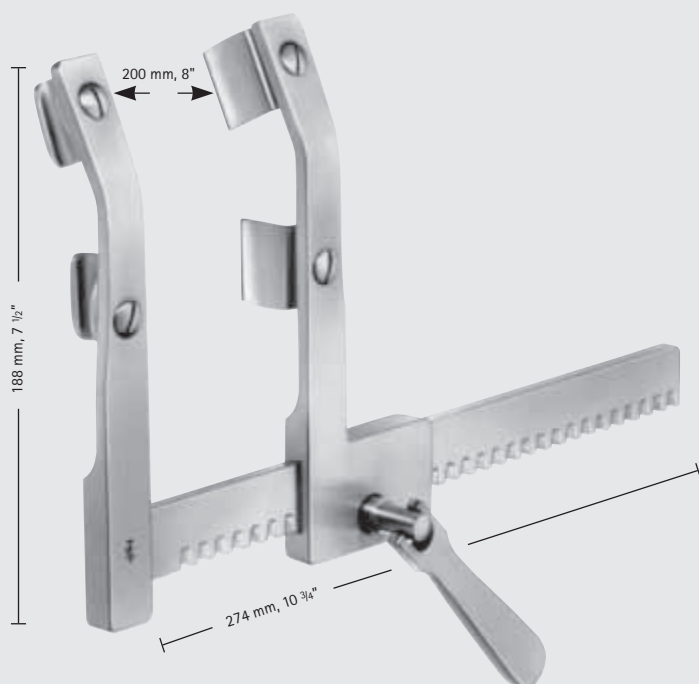
FB



MORSE

**FB845R**

für Kinder  
mit beweglichen Doppelblättern  
Blätter jeweils 12 x 20 mm  
for children  
with movable double blades  
each blade 12 x 20 mm



MORSE

**FB846R**

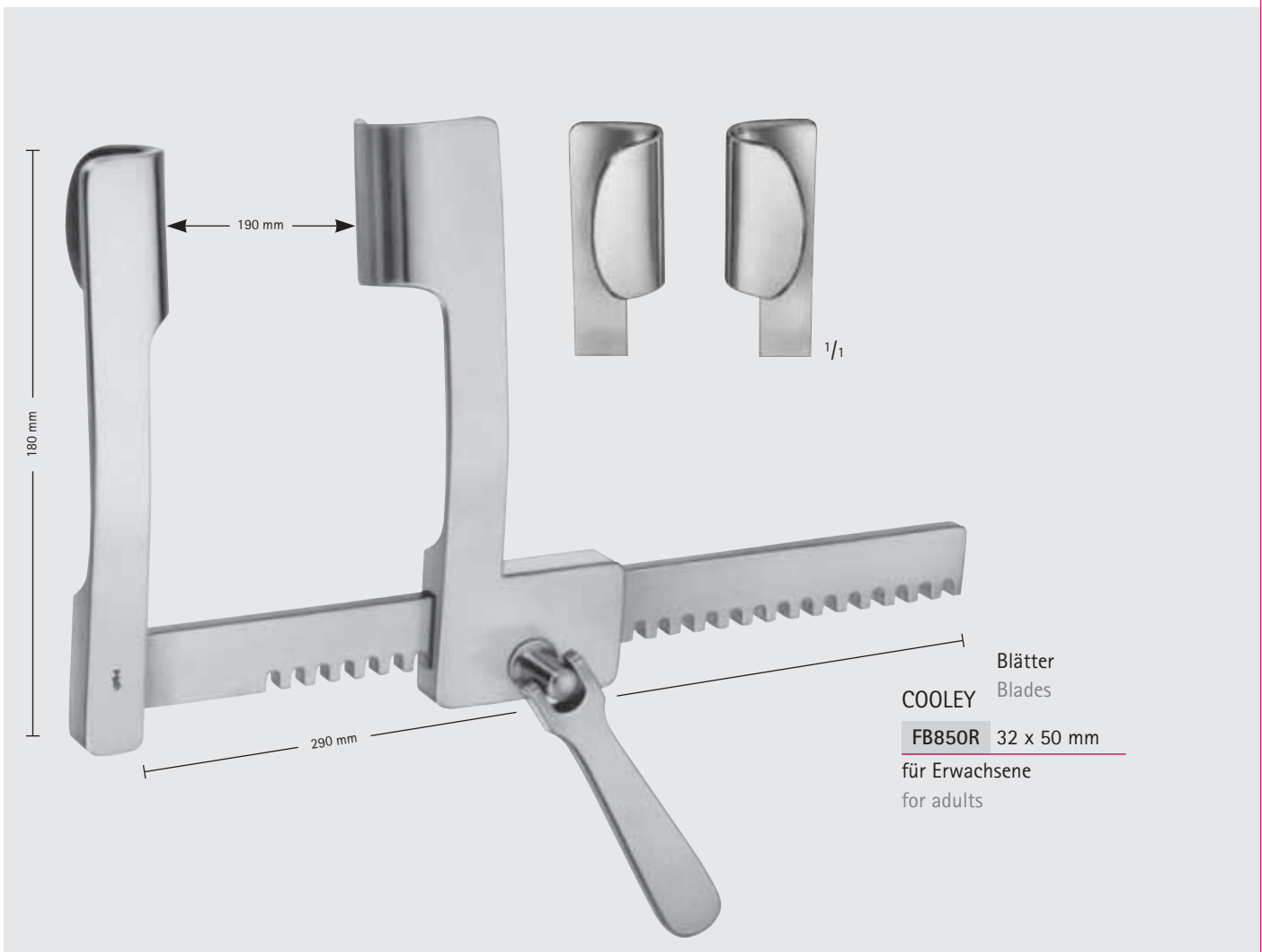
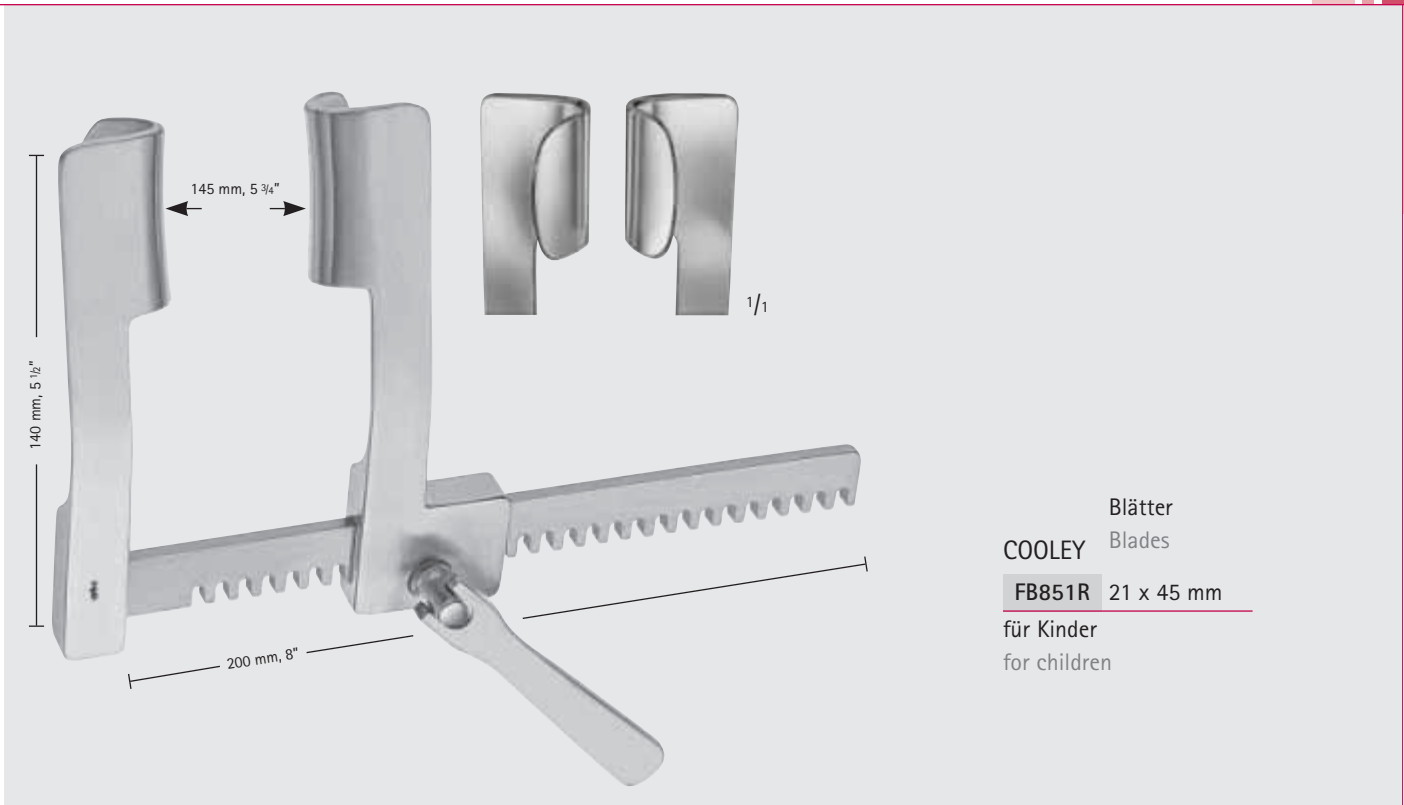
für Erwachsene  
mit beweglichen  
Doppelblättern  
Blätter jeweils 19 x 29 mm  
for adults  
with movable double blades  
each blade 19 x 29 mm



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Sternum-Sperrer Sternum Spreaders

FB



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Thoraxsperrer

Thoracic Retractor

FB



**FB823R** 75 x 75 mm

Blätter

Blades



**FB822R** 42 x 65 mm

Blätter

Blades

## **FB820R**

Thoraxsperrer (Mercedes-Sperrer) komplett, bestehend aus:

FB821R Sperrer allein

FB822R Blätter (Paar)

FB823R Blätter (Paar)

Thoracic retractor (Mercedes-Retractor)

complete, consisting of:

FB821R Retractor only

FB822R Blades (pair)

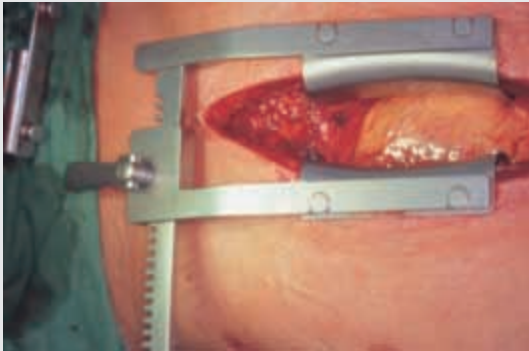
FB823R Blades (pair)

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Sternum-Sperrer Sternum Retractors

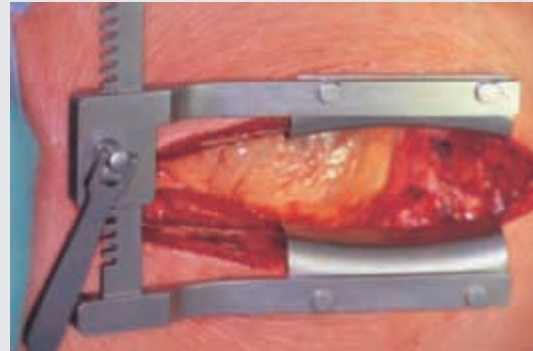
Der Sperrer kann optional nach kranial (Bild 2, 2a) und kaudal (Bild 1, 1a) eingesetzt werden, wobei beim Einsatz nach kranial die Aufbiegung der Arme nach oben, vom Patienten weg zeigt, um Druck auf den Hals zu vermeiden.

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.



1

Einsatz als Sternumsperrer (Bild 1, 2)



2

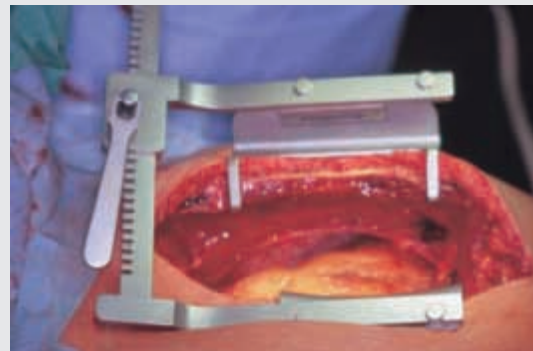
Used as sternum retractor (picture 1, 2)



1a

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.



2a

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

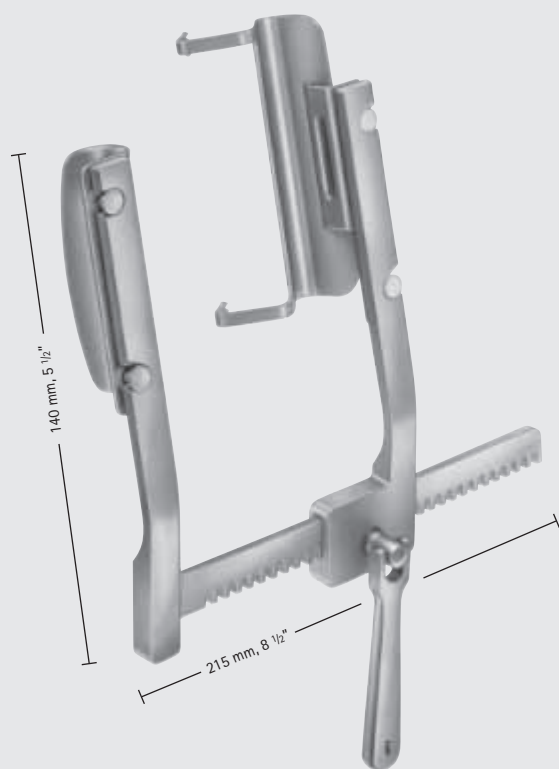
The side of the sternum, where the arteria mammaria interna shall be dissected is lifted up automatically due to the spreading effect of the retractor. The result is an easier preparation of the arteria mammaria interna.

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Sternum-Sperrer

### Sternum Retractors

FB



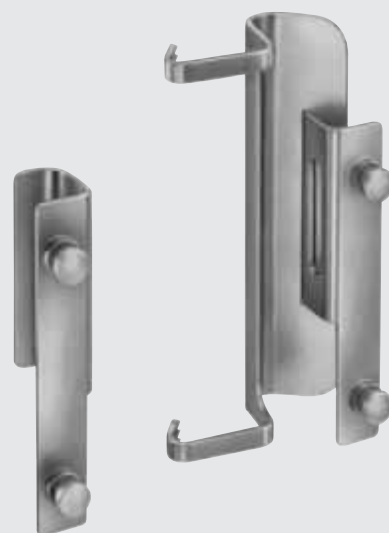
#### FC060R

Mammia Sperrer komplett,  
bestehend aus:

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

Mammia spreader complete,  
consisting of:

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



#### FC062R

Mammia-blatt, komplett  
Mammia blade, complete



#### FC063R 30 x 100 mm

Sternumblätter  
Sternum blades



#### FC064R 40 x 100 mm

Sternumblätter  
Sternum blades



## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Rippensperrer und -Kontraktoren Rib Spreaders- and Contractors

FB



SELLORS

**FB840R**

Rippensperrer und -kontraktor  
mit drehbaren Klauen

Rib spreader- and contractor  
with swivel blades

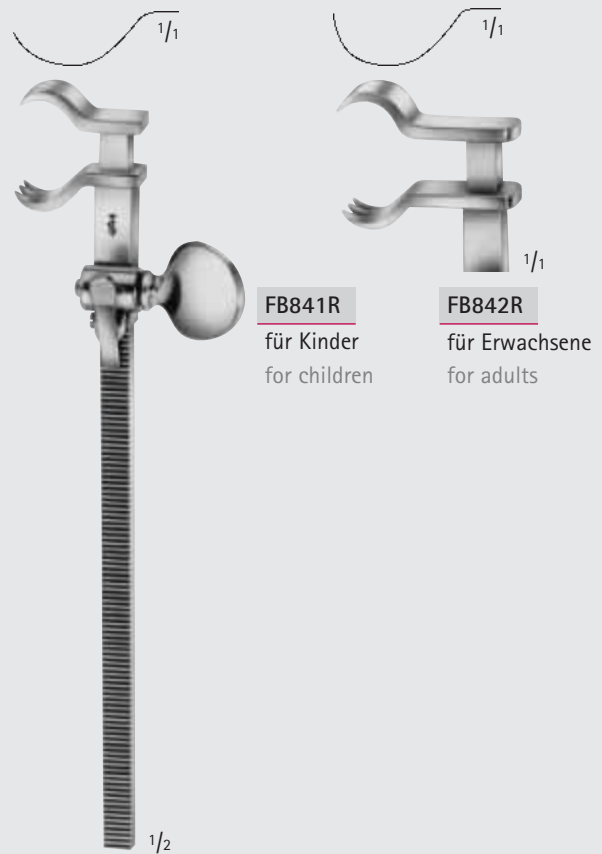
200 mm, 8"



BAILEY

**FB844R**

150 mm, 6"



**FB841R**

für Kinder  
for children

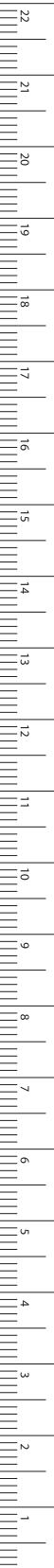
**FB842R**

für Erwachsene  
for adults

BAILEY

**FB841R-FB842R**

200 mm, 8"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

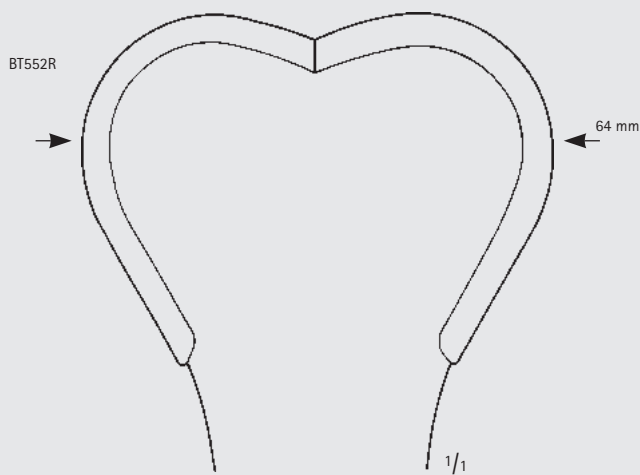
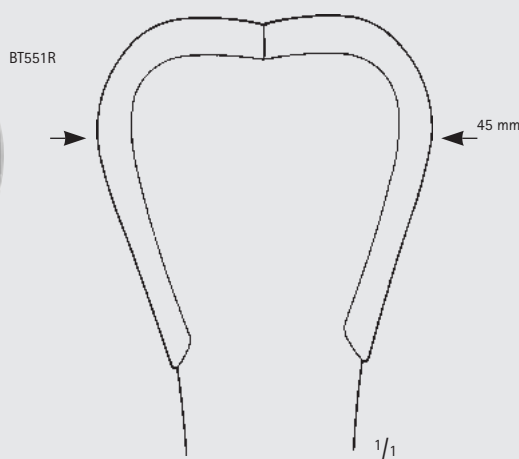
Wundhaken, Lungenspatel

Retractors, Lung Spatulas

Weitere Wundhaken siehe Rubrik BT

Further retractors see section BT

FB



## HARRINGTON

**BT551R** 123 x 45 mm

**BT552R** 123 x 64 mm

federnd

flexible

295 mm, 11 3/4"





## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

### Wundhaken, Lungenspatel Retractors, Lung Spatulas

Weitere Wundhaken siehe Rubrik BT  
Further retractors see section BT



HARRINGTON-PEMBERTON

**BT553R** 175 x 64 mm

federnd

flexible

295 mm, 11 <sup>3</sup>/<sub>4</sub>"

FB



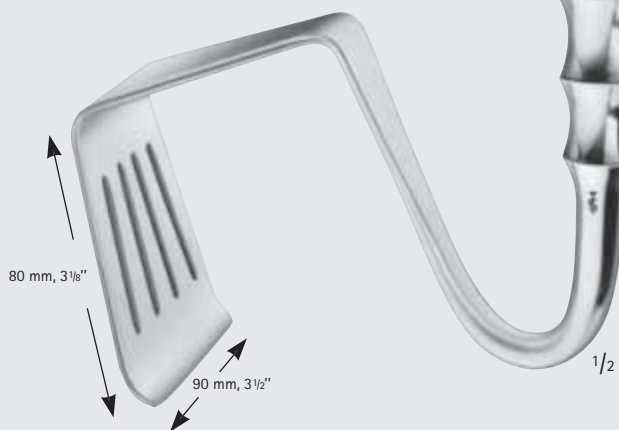
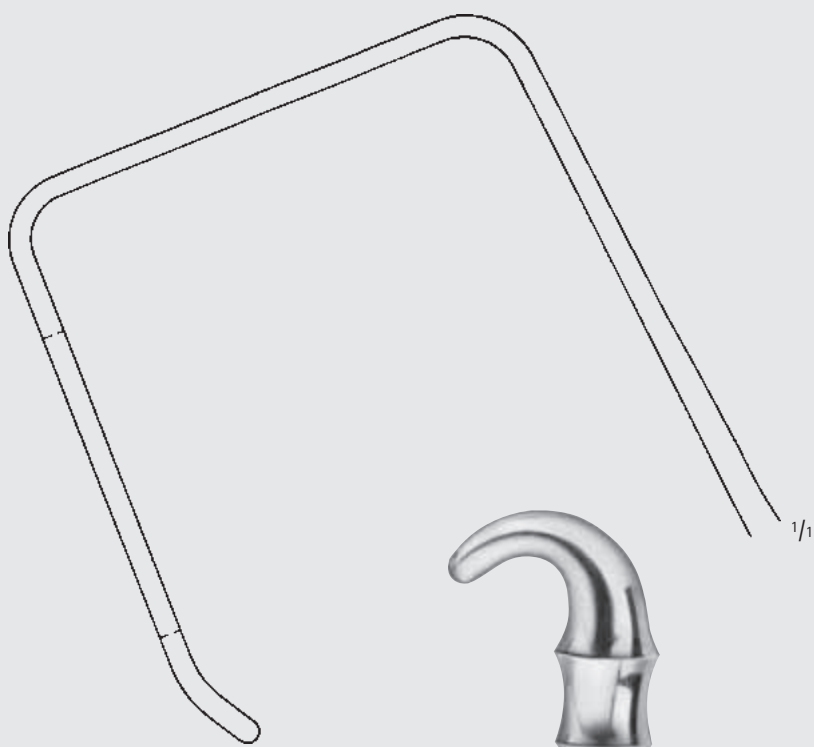
MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Scapula-Haken

Scapula Retractor

FB



DAVIDSON

BT531R

195 mm, 7 3/4"



Herz- und Gefäß-Chirurgie – Cardiovascular Surgery  
Lungenspatel  
Lung Spatulas

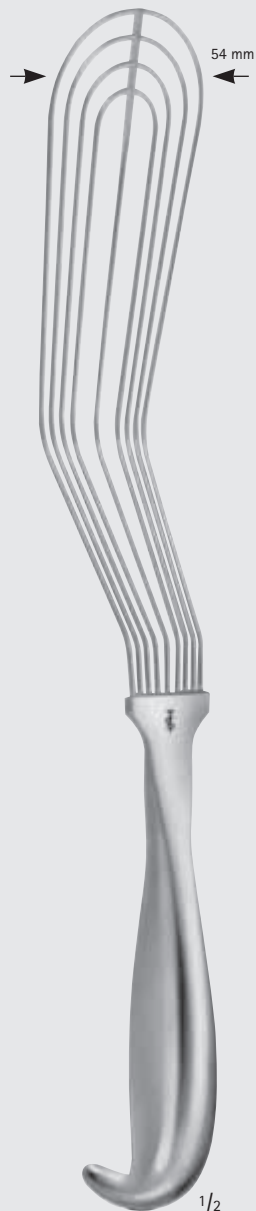
FB



ALLISON

BT559R

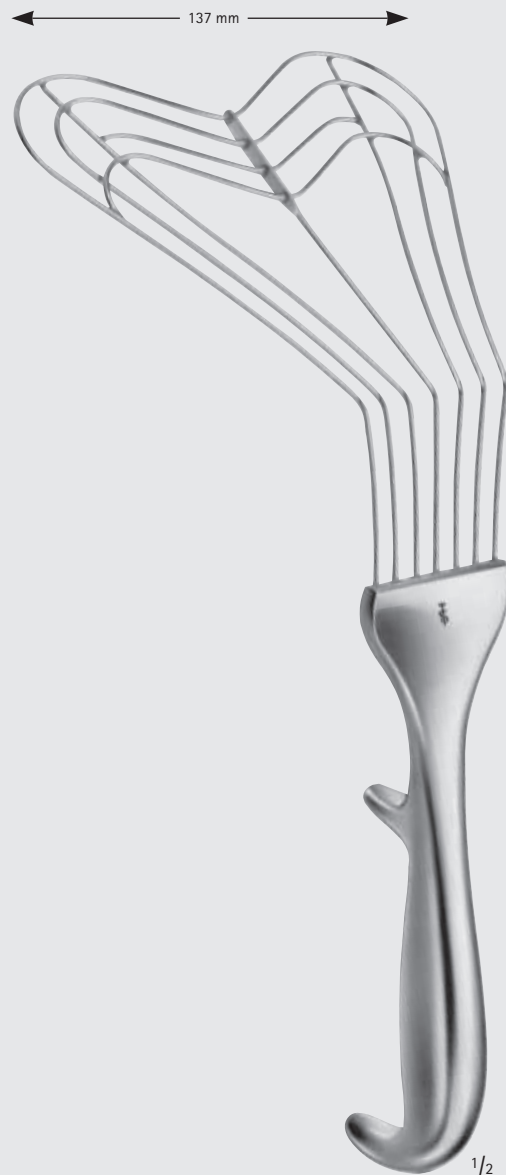
255 mm, 10"



ALLISON

BT560R

320 mm, 12 3/4"



ALLISON

BT561R

300 mm, 12"



MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Atriumhaken

Atrium Retractors

FB



45 x 48 mm

COOLEY

**FB860R**

rechts  
right

270 mm, 10 3/4"



45 x 48 mm

COOLEY

**FB861R**

rechts, leicht gezahnt  
right, slightly serrated

270 mm, 10 3/4"



25 x 46 mm

COOLEY

**FB862R**

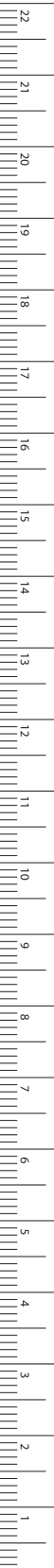
links  
left

280 mm, 11"



Herz- und Gefäß-Chirurgie – Cardiovascular Surgery  
Atriumhaken  
Atrium Retractors

FB



MILLIMETERS



45 x 30 mm

1/1

COOLEY MODIF. STRUCK

**FB865R**

leicht gezahnt  
slightly serrated  
265 mm, 10 1/2"



45 x 35 mm

1/1

COOLEY MODIF. STRUCK

**FB866R**

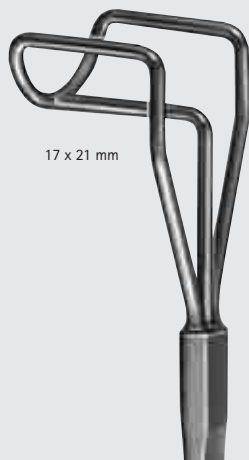
leicht gezahnt  
slightly serrated  
265 mm, 10 1/2"

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Aortenklappenhaken

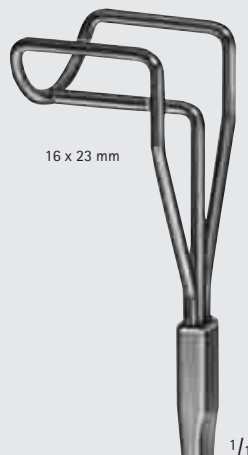
### Aorta Valve Retractors

FB



17 x 21 mm

FB971R



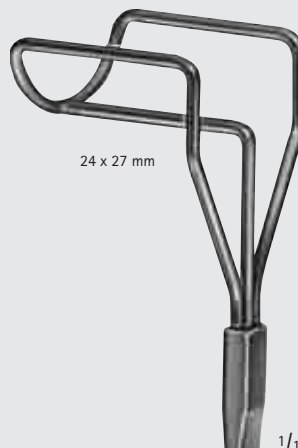
16 x 23 mm

FB972R



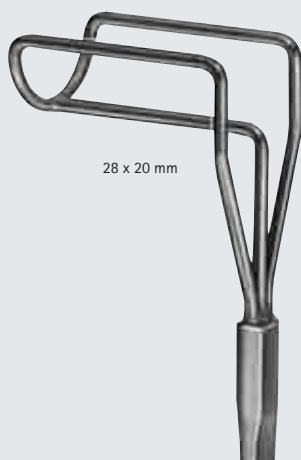
20 x 25 mm

FB973R



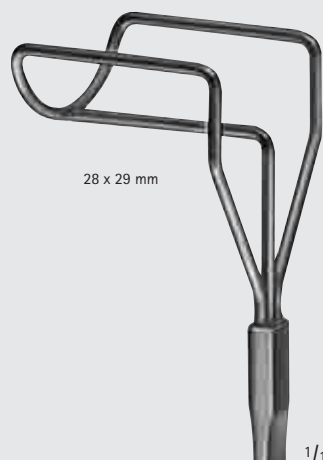
24 x 27 mm

FB974R



28 x 20 mm

FB975R



28 x 29 mm

FB976R



1/2

BOROWSKI

FB971R-FB976R

Schaft biegsam

Shaft malleable

270 mm, 10 3/4"



# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Saugkanülen Suction Cannulae

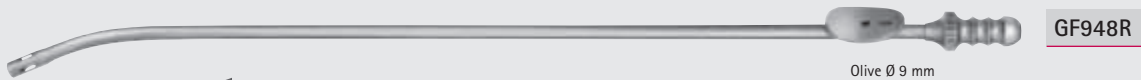
FB



Olive Ø 9 mm  
olive diam. 9 mm

Ø 5 mm  
diam. 5 mm

1/1



Olive Ø 9 mm  
olive diam. 9 mm

Ø 5 mm  
diam. 5 mm

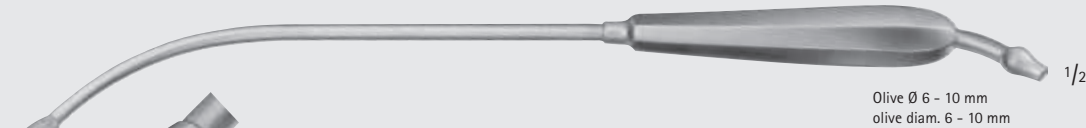
1/1

### DE BAKEY

**GF947R** 160 mm, 6 1/4"

**GF948R** 270 mm, 10 3/4"

mit Saugunterbrecher und Mandrin  
with finger cut-off and stylet



Olive Ø 6 - 10 mm  
olive diam. 6 - 10 mm

Ø 9 mm  
diam. 9 mm

1/1

### DE BAKEY

**GF946R**

mit zentraler Bohrung, Ø 3,0 mm  
und seitlichen Schlitzen  
with central bore, 3.0 mm diam.  
with lateral slots  
275 mm, 10 3/4"



Olive Ø 7 - 9 mm  
olive diam. 7 - 9 mm

Ø 10 mm  
diam. 10 mm

### YANKAUER

**GF944R**

mit zentraler Bohrung, Ø 2,0 mm  
with central bore, 2.0 mm diam.  
285 mm, 11 1/4"



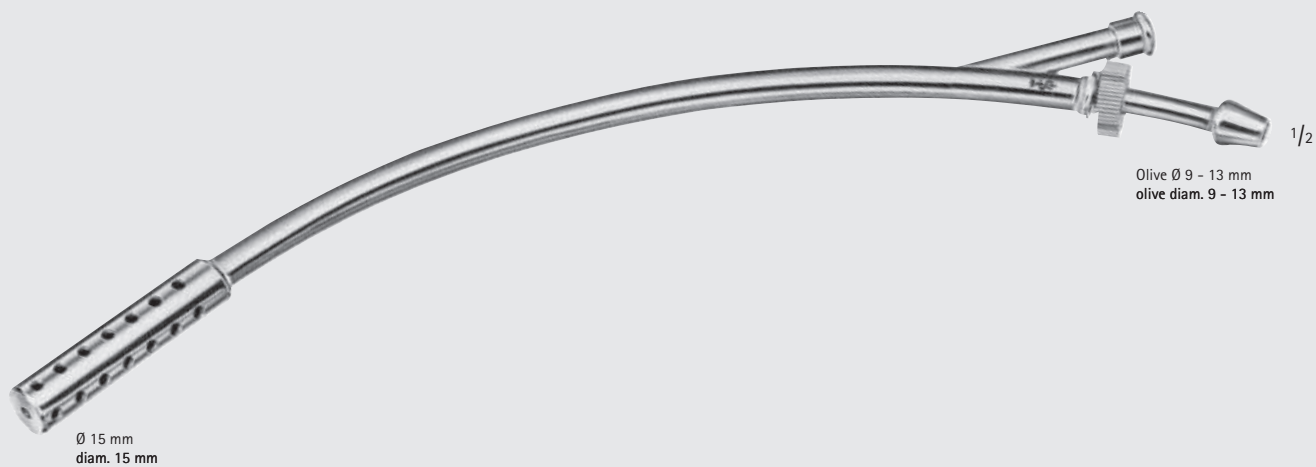
MILLIMETERS

## Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

Saugkanülen

Suction Cannula

FB



Ø 15 mm  
diam. 15 mm

Olive Ø 9 - 13 mm  
olive diam. 9 - 13 mm

1/2

FINSTERER

GF867C

kombinierte Saug- und Spülkanüle

combined suction- and irrigation cannula

320 mm, 12 3/4"



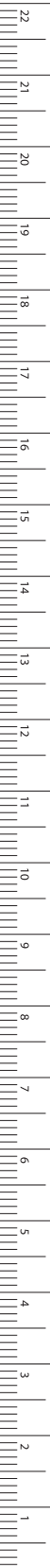


# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Venen-Stripper-Instrumente

### Vein Stripper Instruments

FB



Ersatzteile für FB030R  
Spare parts for FB030R



NABATOFF

**FB033**  
Kunststoff-Sondenspitze  
Flexible plastic probe tip



NABATOFF

$\frac{1}{1}$   
 $\emptyset$   
diam.  
**FB034R** 3 mm  
Metall-Sondenspitze  
Probe tip, metal



NABATOFF

**FB030R**

Venenstripper-Besteck, bestehend aus:

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

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

NABATOFF

$\emptyset$   
diam.

**FB035R** 6 mm

**FB036R** 9 mm

**FB037R** 12 mm

**FB038R** 15 mm

Olivens allein

Olives only



**FB035R**



**FB036R**



**FB037R**



**FB038R**

$\frac{1}{1}$



NABATOFF

**FB040R**

Griff allein

Handle only



**FB032R**

Zugseil  
Flexible cable  
900 mm, 36"

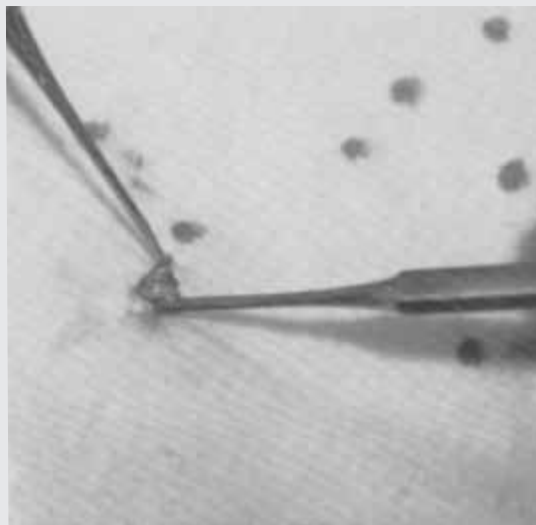
MILLIMETERS

# Herz- und Gefäß-Chirurgie – Cardiovascular Surgery

## Varizeninstrumente

### Varix Instruments

FB



#### VARADY

##### FB050R

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

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

Ersatzteile für FB050R  
Spare parts for FB050R

#### VARADY

Ø  
diam.

FB053R	3 mm
FB054R	4 mm
FB055R	5 mm

Oliven allein  
Olives only



#### VARADY

##### FB051R

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



Herz- und Gefäß-Chirurgie – Cardiovascular Surgery  
Varizeninstrumente  
Varix Instruments

FB



MILLIMETERS



1/2

**VARADY**  
**FB120R**  
Phlebodissektor  
Phlebodissektor  
180 mm, 7"



1/2

**VARADY**  
**FB121R**  
Phlebextraktor  
Phlebextraktor  
180 mm, 7"



1/2

**VARADY**  
**FB122R**  
Phlebextraktor  
Phlebextraktor  
180 mm, 7"



1/2

**VARADY**  
**FB124R**  
Mikro-Doppelspatel  
Micro spatula, double ended  
175 mm, 7"



1/2

**VARADY**  
**FB125R**  
Mikro-Phlebextraktor  
Micro phlebextraktor  
170 mm, 6 3/4"



1/2

**VARADY**  
**FB126R**  
Mini-Phlebextraktor  
Mini phlebextraktor  
170 mm, 6 3/4"



INCHES

FF

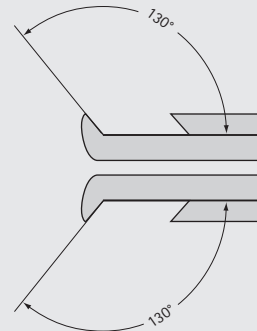
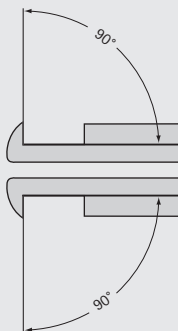
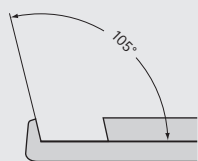


Knochenstanzen, Rongeurs  
Bone Punches, Rongeurs

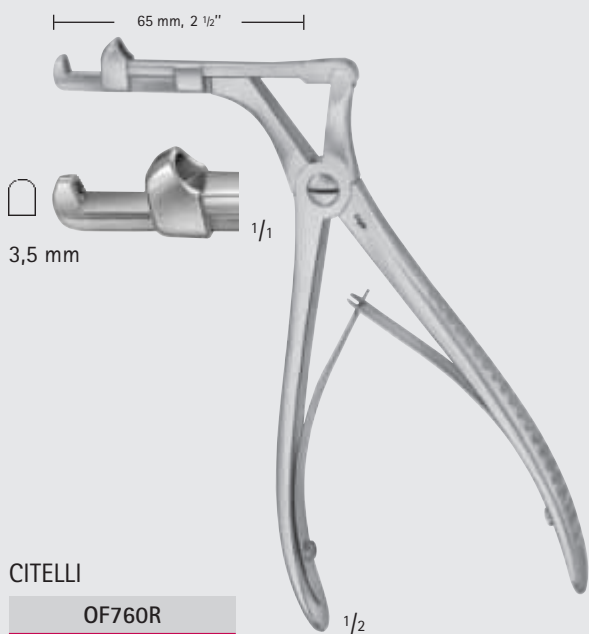
# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Stanzen  
Punches

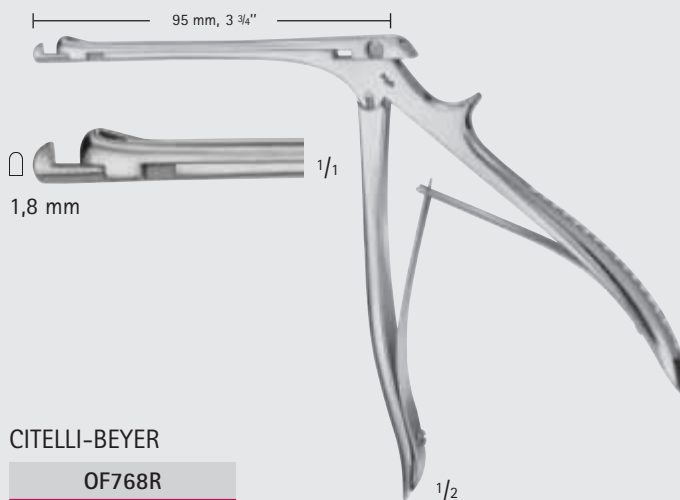
Winkelstellungen bei Stanzen  
Angled positions for punches



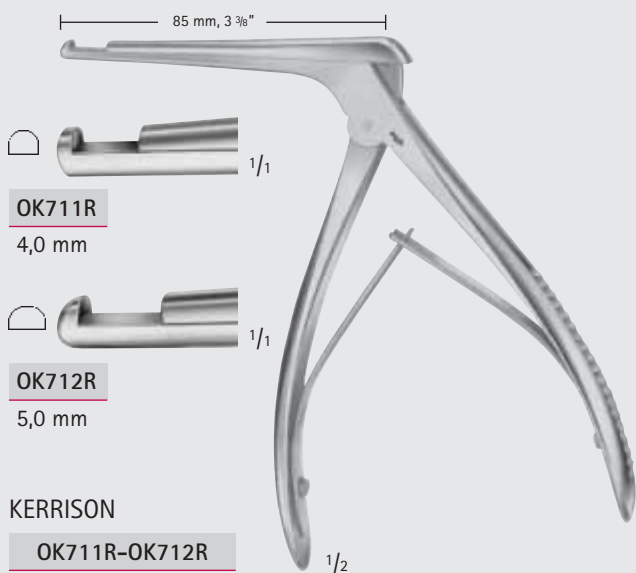
90° nach oben schneidend  
upwards cutting



90° nach oben schneidend  
upwards cutting



90° nach oben schneidend  
upwards cutting



FF

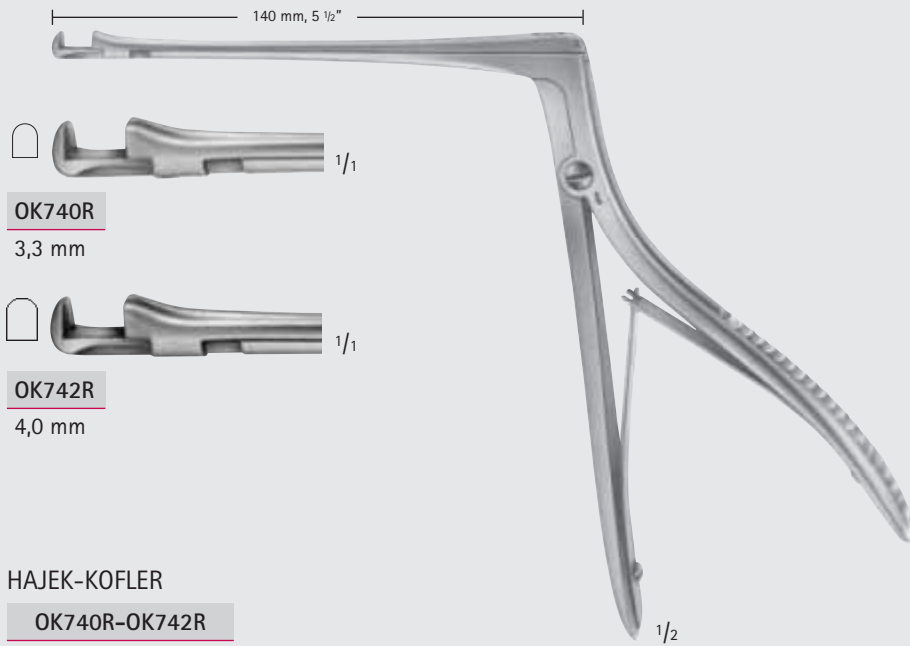




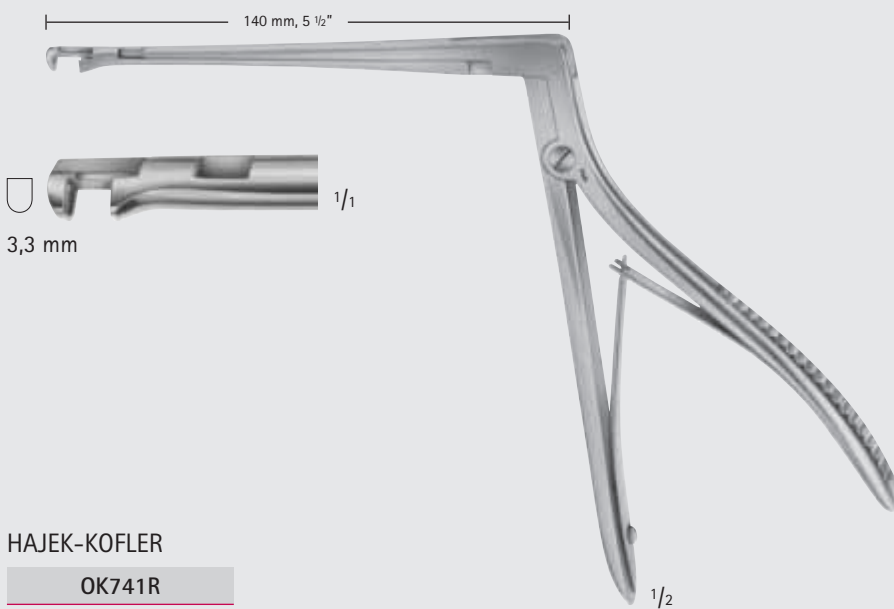
## Knochenstanzen, Rongeurs – Bone Punches, Rongeurs Stanzen Punches

FF

90° nach oben schneidend  
upwards cutting



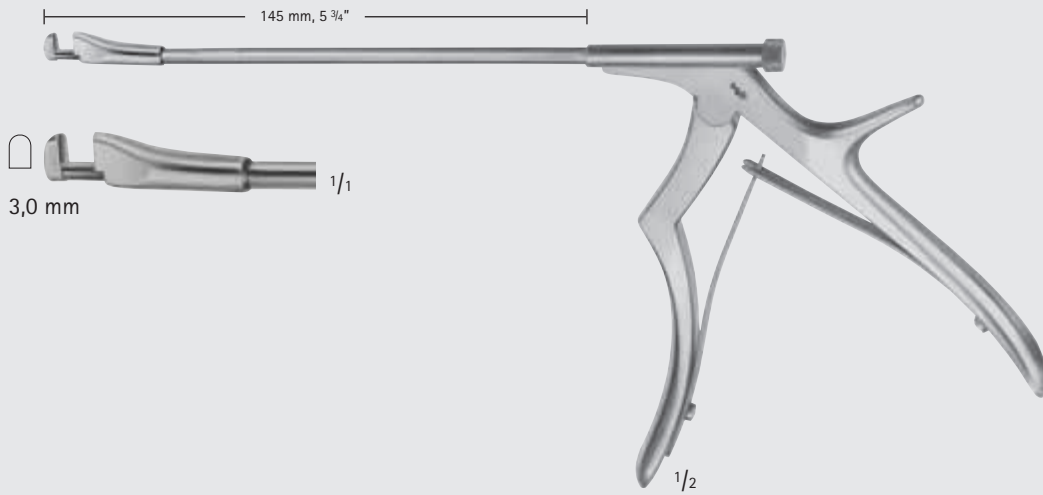
90° nach unten schneidend  
downwards cutting



## Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Stanzen  
Punches

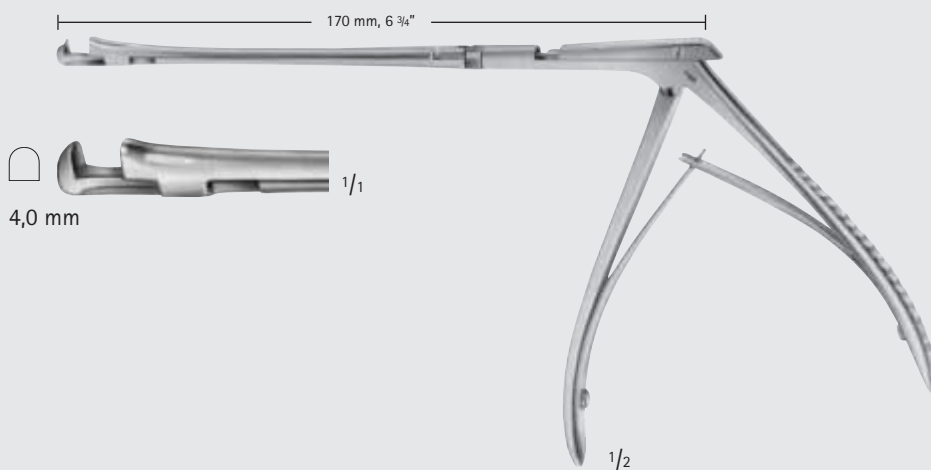
90° drehbar 360°  
rotates 360°



KOFLER

OK737R

90° drehbar 360°  
rotates 360°



HAJEK-KOFLER

OK745R

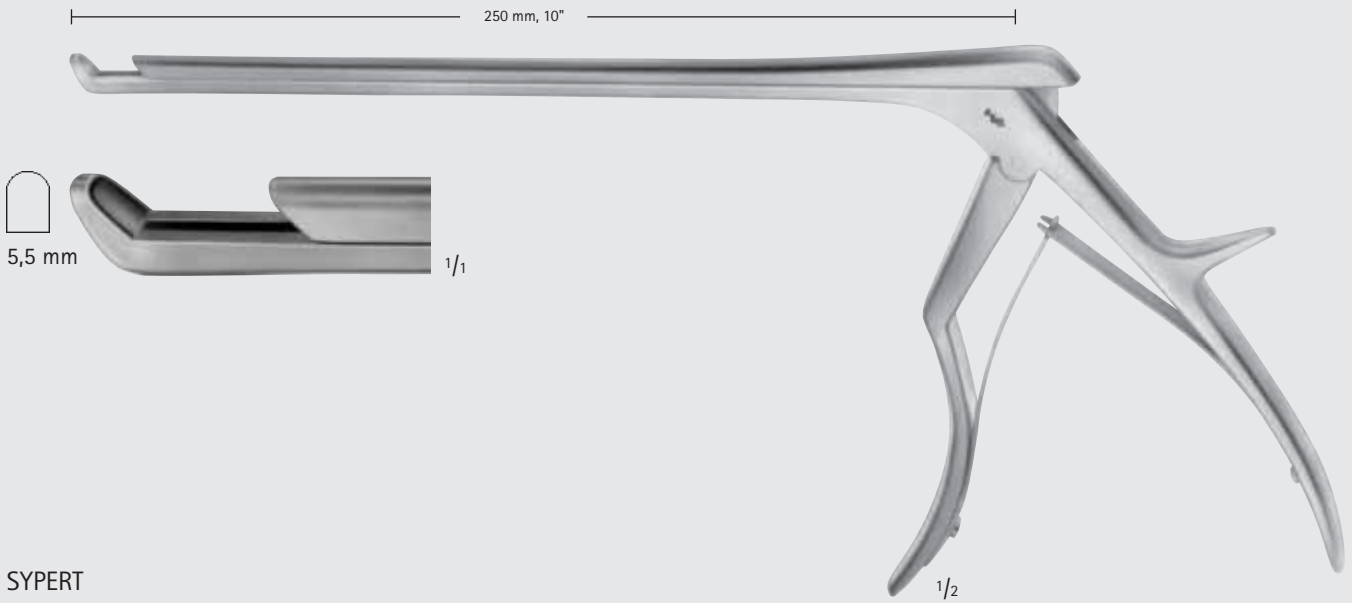




# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Stanzen  
Punches

130° nach oben schneidend  
upwards cutting



SYPERT

FG055R

FF



MILLIMETERS

# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

KERRISON Knochenstanzen

KERRISON Bone Punches

90° nach oben schneidend  
upwards cutting



Regular



90° oben  
90° upwards

90° oben  
90° upwards

90° oben  
90° upwards

STANDARD  
nicht zerlegbar  
ohne Ejektor  
non detachable  
without ejector

zerlegbar  
detachable

Ejektor  
Ejector

NOIR  
zerlegbar  
detachable

Ejektor  
Ejector

Schaftlänge Shaft length	Breite Width	Fußplatte Footplate
180 mm, 7"	1,0 mm	regular
	2,0 mm	regular
	3,0 mm	regular
	4,0 mm	regular
	5,0 mm	regular
	6,0 mm	regular

FF716R

FK948R

-

FK948B

-

FF718R

FK949R

-

FK949B

-

FF750R

FK950R

✓

FK950B

✓

FF752R

FK951R

✓

FK951B

✓

FF754R

FK952R

✓

FK952B

✓

FF755R

FK953R

✓

FK953B

✓

90° nach unten schneidend  
downwards cutting



Regular



90° unten  
90° downwards

90° unten  
90° downwards

STANDARD  
nicht zerlegbar,  
ohne Ejektor  
non detachable,  
without ejector

zerlegbar  
detachable

Ejektor  
Ejector

Schaftlänge Shaft length	Breite Width	Fußplatte Footplate
180 mm, 7"	1,0 mm	regular
	2,0 mm	regular
	3,0 mm	regular
	4,0 mm	regular
	5,0 mm	regular
	6,0 mm	regular

FF741R

FK954R

-

FF719R

FK955R

-

FF721R

FK956R

✓

FF742R

FK957R

✓

FF723R

FK958R

✓

FF743R

FK959R

✓



## Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

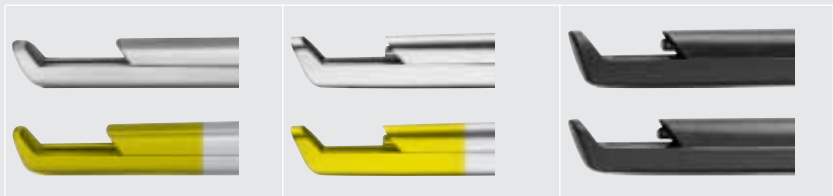
KERRISON Knochenstanzen  
KERRISON Bone Punches

130° nach oben schneidend  
upwards cutting



Regular

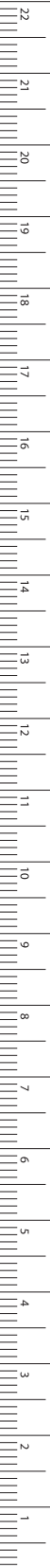
Thin



130° oben 130° upwards	130° oben 130° upwards	130° oben 130° upwards		
STANDARD nicht zerlegbar ohne Ejektor non detachable without ejector	zerlegbar detachable	Ejektor Ejector	NOIR zerlegbar detachable	Ejektor Ejector

Schaftlänge Shaft length	Breite Width	Fußplatte Footplate					
180 mm, 7"	1,0 mm	regular	FF715R	FK900R	-	FK900B	-
	2,0 mm	regular	FF717R	FK901R	-	FK901B	-
	3,0 mm	regular	FF720R	FK902R	✓	FK902B	✓
	4,0 mm	regular	FF724R	FK903R	✓	FK903B	✓
	5,0 mm	regular	FF722R	FK904R	✓	FK904B	✓
	6,0 mm	regular	FF726R	FK905R	✓	FK905B	✓
200 mm, 8"	2,0 mm	regular	FF737R	FK913R	-	FK913B	-
	3,0 mm	regular	FF738R	FK914R	✓	FK914B	✓
	4,0 mm	regular	FF727R	FK915R	✓	FK915B	✓
	5,0 mm	regular	FF728R	FK916R	✓	FK916B	✓
	6,0 mm	regular	FF729R	FK917R	✓	FK917B	✓
230 mm, 9"	2,0 mm	regular	FF682R	FK919R	-		
	3,0 mm	regular	FF683R	FK920R	✓		
	4,0 mm	regular	FF684R	FK921R	✓		
	5,0 mm	regular	FF685R	FK922R	✓		
180 mm, 7"	1,0 mm	thin	FF771R	FK906R	-	FK906B	-
	2,0 mm	thin	FF772R	FK907R	-	FK907B	-
	3,0 mm	thin	FF773R	FK908R	✓	FK908B	✓
	4,0 mm	thin	FF769R	FK909R	✓	FK909B	✓
	5,0 mm	thin	FF770R	FK910R	✓	FK910B	✓
200 mm, 8"	1,0 mm	thin	FF661R	FK961R	-	FK961B	-
	2,0 mm	thin	FF662R	FK962R	-	FK962B	-
	3,0 mm	thin	FF663R	FK963R	✓	FK963B	✓
	4,0 mm	thin	FF664R	FK964R	✓	FK964B	✓
	5,0 mm	thin	FF665R	FK965R	✓	FK965B	✓
230 mm, 9"	2,0 mm	thin	FF746R	FK925R	-	FK925B	-
	3,0 mm	thin	FF747R	FK926R	✓	FK926B	✓
	4,0 mm	thin	FF748R	FK927R	✓	FK927B	✓
	5,0 mm	thin	FF749R	FK928R	✓	FK928B	✓

FF



MILLIMETERS

# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

KERRISON Knochenstanzen

KERRISON Bone Punches

130° nach unten schneidend  
downwards cutting



Regular

Thin



130° unten  
130° downwards

130° unten  
130° downwards

STANDARD  
nicht zerlegbar  
ohne Ejektor  
non detachable  
without ejector

zerlegbar  
detachable

Ejektor  
Ejector

Schaftlänge Shaft length	Breite Width	Fußplatte Footplate			
180 mm, 7"	1,0 mm	regular	FF711R	FK930R	-
	2,0 mm	regular	FF712R	FK931R	-
	3,0 mm	regular	FF713R	FK932R	✓
	4,0 mm	regular	FF714R	FK933R	✓
	5,0 mm	regular	FF725R	FK934R	✓
230 mm, 9"	2,0 mm	regular	FF692R	FK943R	-
	3,0 mm	regular	FF693R	FK944R	✓
	4,0 mm	regular	FF694R	FK945R	✓
	5,0 mm	regular	FF695R	FK946R	✓
180 mm, 7"	1,0 mm	thin	FF781R	FK936R	-
	2,0 mm	thin	FF782R	FK937R	-
	3,0 mm	thin	FF783R	FK938R	✓
	4,0 mm	thin	FF784R	FK939R	✓
	5,0 mm	thin	FF785R	FK940R	✓

FF

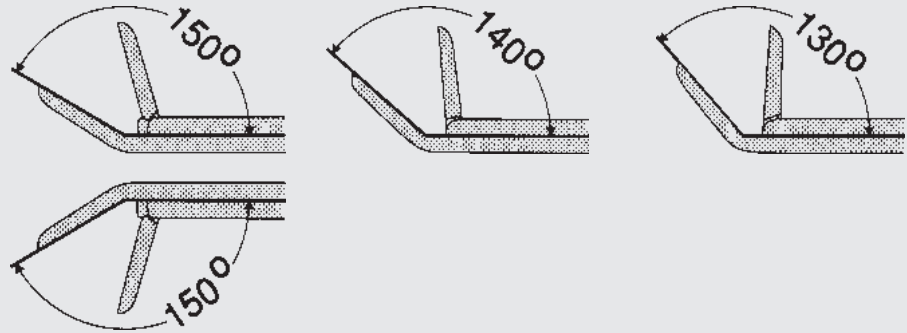




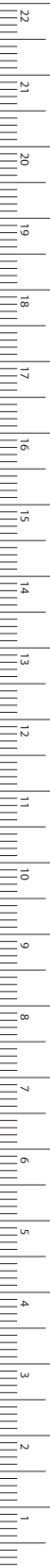
# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs  
Rongeurs

Winkelstellungen bei Rongeurs  
Angled positions for rongeurs



FF



**OK505R**  
3,0 mm



**OK506R**  
3,6 mm



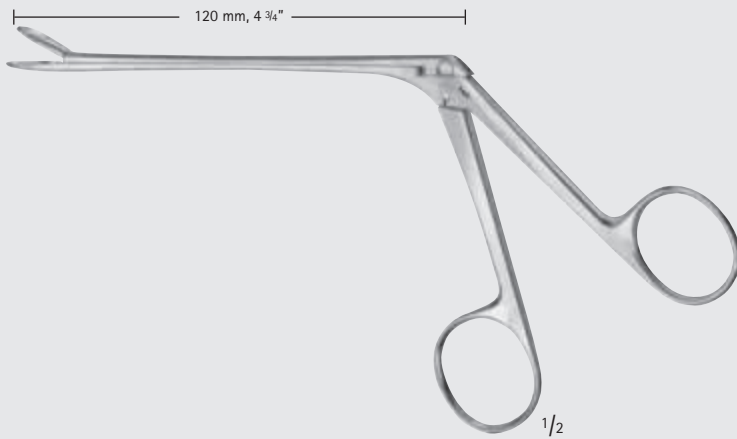
**OK507R**  
4,2 mm



**OK508R**  
4,8 mm



**OK509R**  
5,6 mm



WEIL-BLAKESLEY

**OK505R-OK509R**

140°



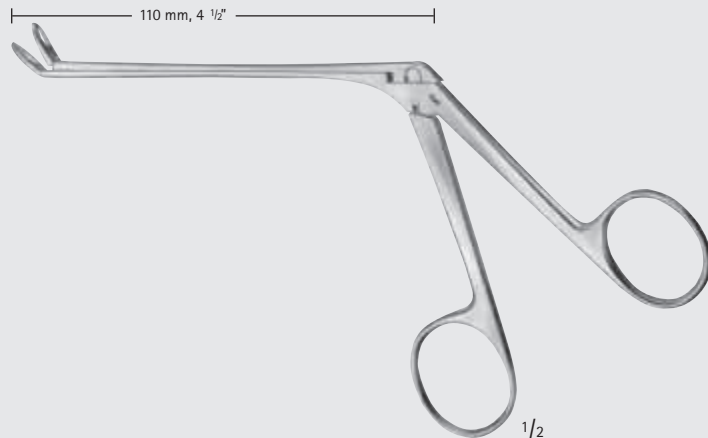
**OK520R**  
3,6 mm



**OK521R**  
4,2 mm



**OK522R**  
4,8 mm



WEIL-BLAKESLEY

**OK520R-OK522R**

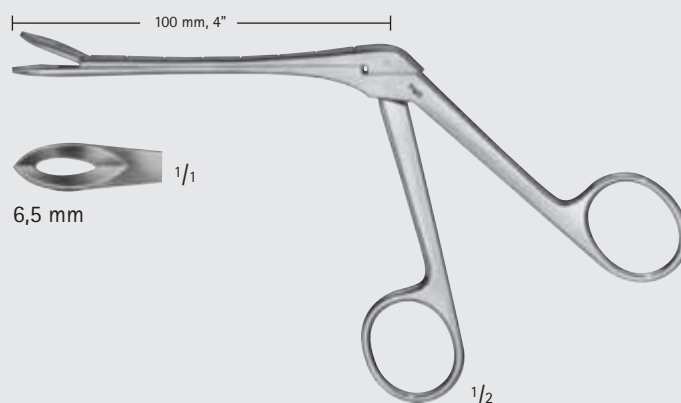
MILLIMETERS

# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs

Rongeurs

FF

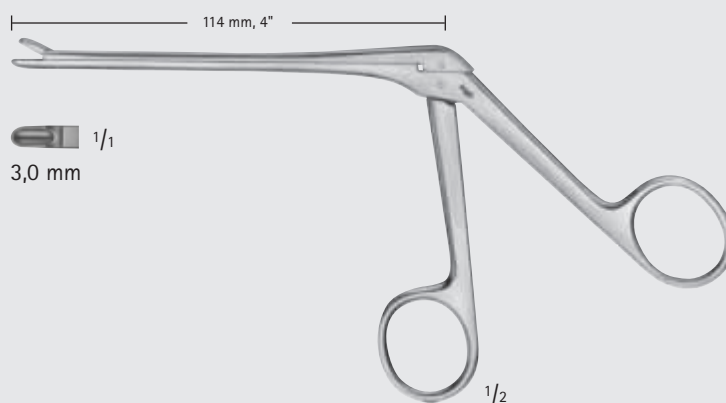


HENCKEL-TILLEY

OK503R

Schaft graduiert in cm

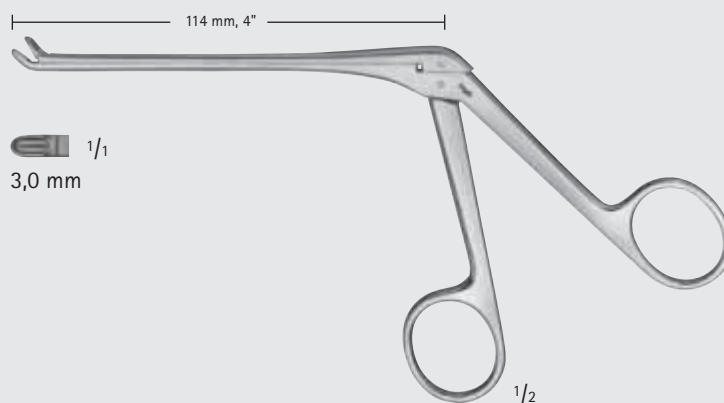
Shaft graduated in cm



ST. BARTS

OK536R

140°



ST. BARTS

OK537R

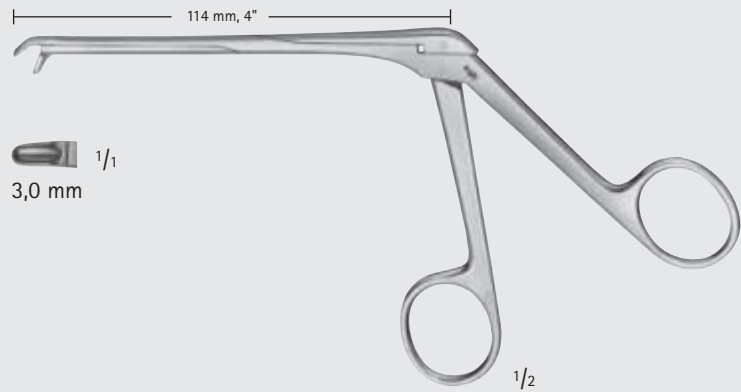


# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs  
Rongeurs

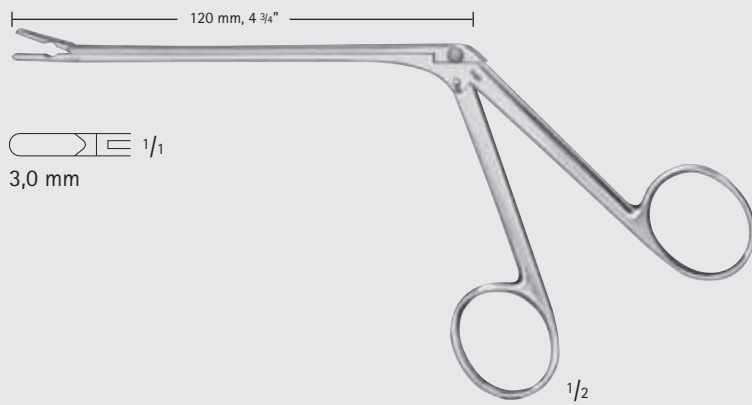
FF

140°



ST. BARTS

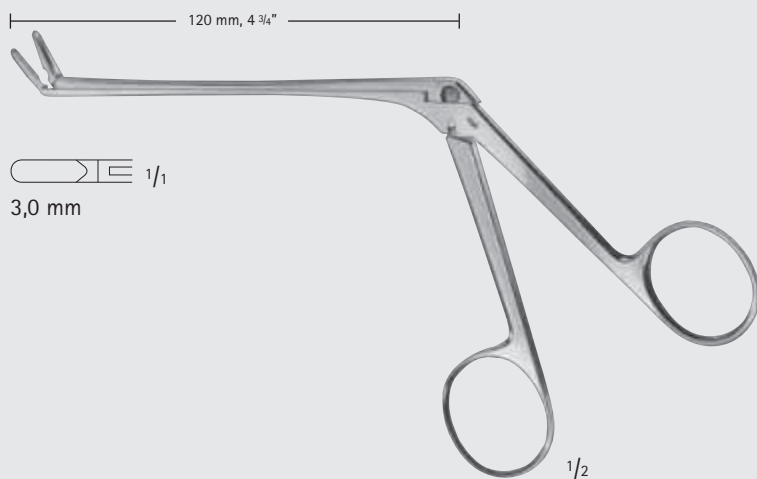
OK538R



TAKAHASHI

OK525R

130°



TAKAHASHI

OK526R

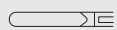


MILLIMETERS

# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs  
Rongeurs

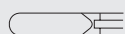
FF



LOVE-GRUENWALD

**FF799R**

2 x 10 mm



LOVE-GRUENWALD

**FF800R**

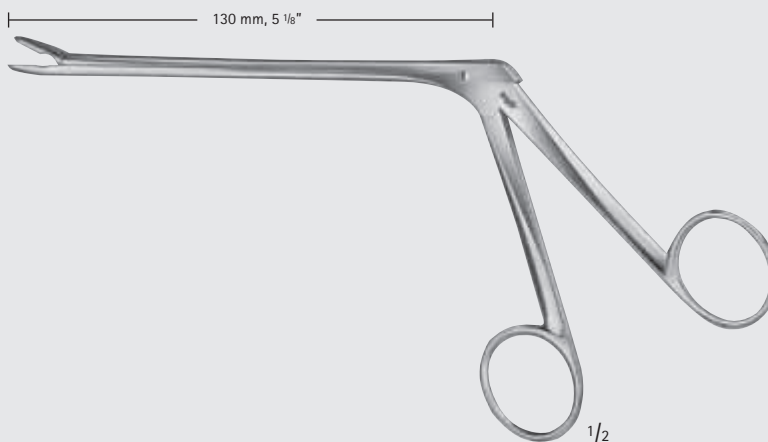
3 x 10 mm



SPURLING

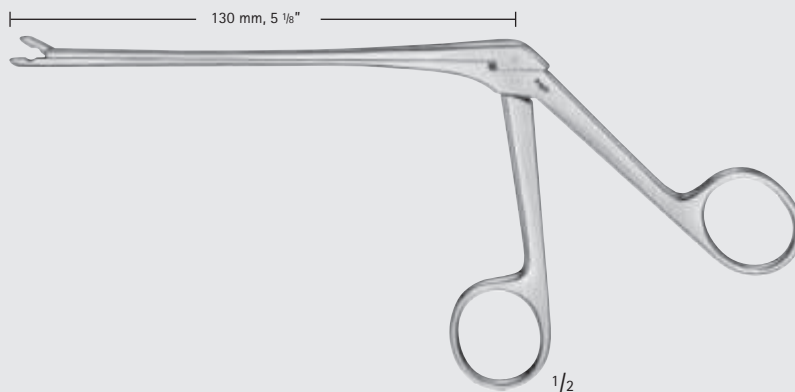
**FF801R**

4 x 10 mm



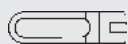
**FF799R-FF810R**

1/1  
2,0 mm



BECK

**FF765R**



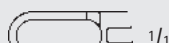
**FF766R**

4,0 mm



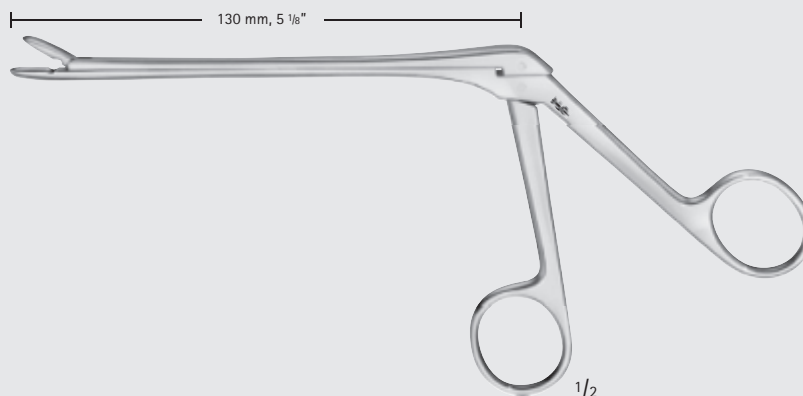
**FF767R**

5,0 mm



**FF768R**

6,0 mm



CUSHING

**FF766R-FF768R**







# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs  
Rongeurs

FF

150°



**FF774R**

3,0 mm



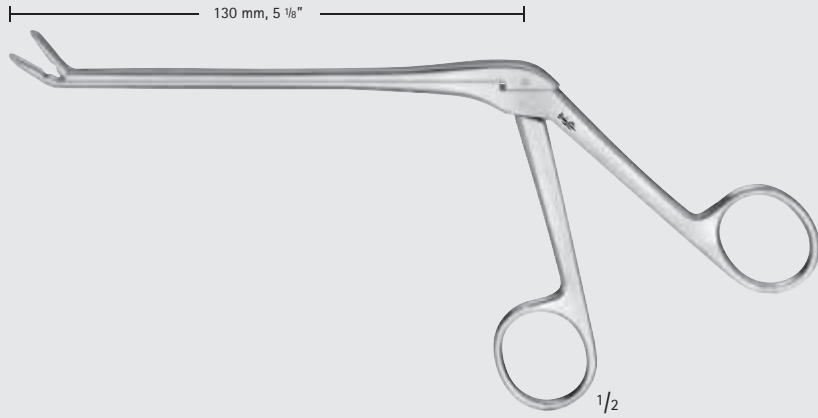
**FF775R**

4,0 mm



**FF776R**

5,0 mm



CUSHING

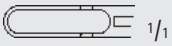
**FF774R-FF776R**

150°



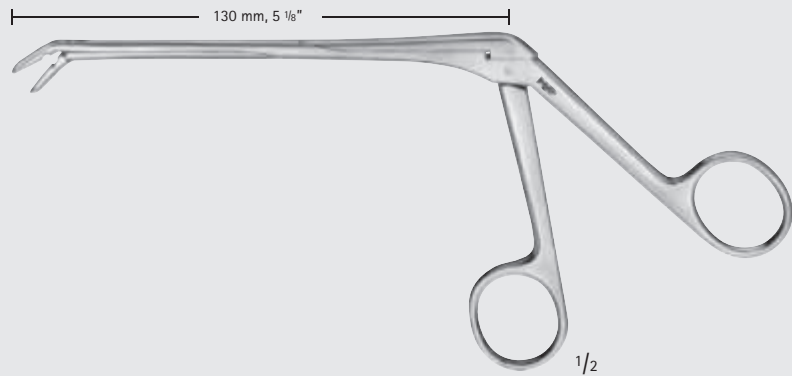
**FF777R**

3,0 mm



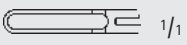
**FF778R**

4,0 mm

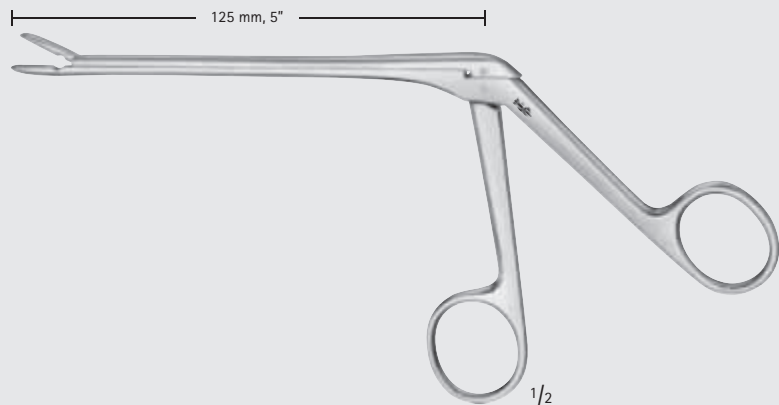


CUSHING

**FF777R-FF778R**

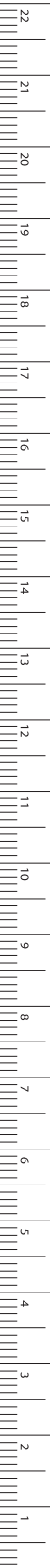


3,0 mm



PENNYBACKER

**FF779R**



MILLIMETERS

# Knochenstanzen, Rongeur – Bone Punches, Rongeurs

Rongeur  
Rongeurs

FF



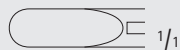
**FF832R**  
2,0 mm



**FF833R**  
3,0 mm



**FF834R**  
4,0 mm



**FF835R**  
5,0 mm

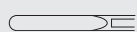
150 mm, 6"



CASPAR

**FF832R-FF835R**

150°



**FF842R**  
2,0 mm



**FF843R**  
3,0 mm



**FF844R**  
4,0 mm

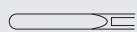
150 mm, 6"



CASPAR

**FF842R-FF844R**

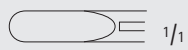
150° unteres Maulteil beweglich  
lower part of jaw movable



**FF852R**  
2,0 mm



**FF853R**  
3,0 mm



**FF854R**  
4,0 mm

150 mm, 6"



CASPAR

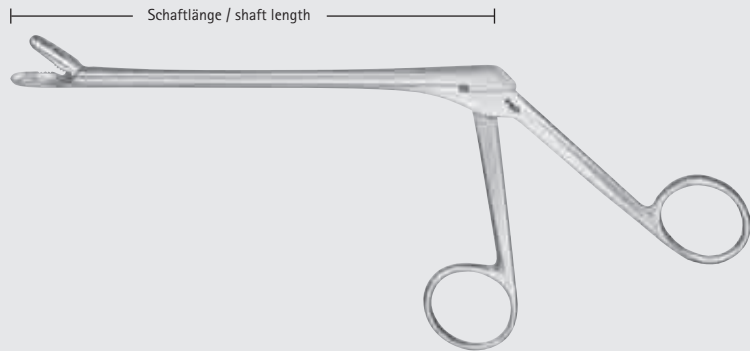
**FF852R-FF854R**



# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs  
Rongeurs





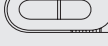
FF



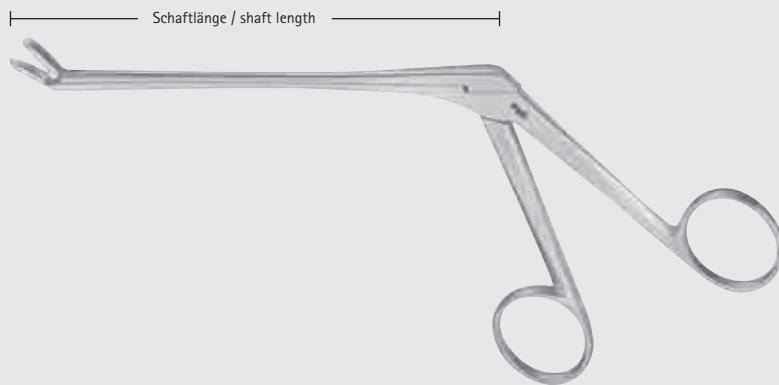
CASPAR

FF502R-FF566R

Maulgröße  
Jaw size

Schaftlänge Shaft length	 2 x 12 mm	 3 x 12 mm	 4 x 14 mm	 5 x 14 mm	 6 x 16 mm
140 mm, 5 1/2"	FF502R	FF503R	FF504R		
160 mm, 6 1/4"	FF532R	FF533R	FF534R	FF535R	FF536R
185 mm, 7 1/4"	FF562R	FF563R	FF564R	FF565R	FF566R


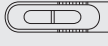

150°



CASPAR

FF513R-FF575R

Maulgröße  
Jaw size

Schaftlänge Shaft length	 3 x 12 mm	 4 x 14 mm	 5 x 14 mm
140 mm, 5 1/2"	FF513R	FF514R	
160 mm, 6 1/4"	FF543R	FF544R	FF545R
185 mm, 7 1/4"	FF573R	FF574R	FF575R



MILLIMETERS

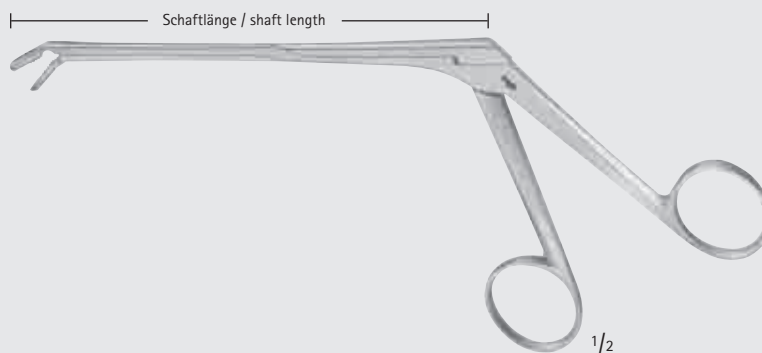
# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs

Rongeurs

150° unteres Maulteil beweglich

lower part of jaw movable





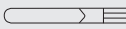
CASPAR

FF523R-FF584R

Maulgröße

Jaw size

Schaftlänge Shaft length	 1/1	 1/1
3 x 12 mm	4 x 14 mm	
140 mm, 5 1/2"	FF523R	FF524R
160 mm, 6 1/4"	FF553R	FF554R
185 mm, 7 1/4"	FF583R	FF584R

 CUSHING

FF803R

2 x 10 mm

 LOVE-GRUENWALD

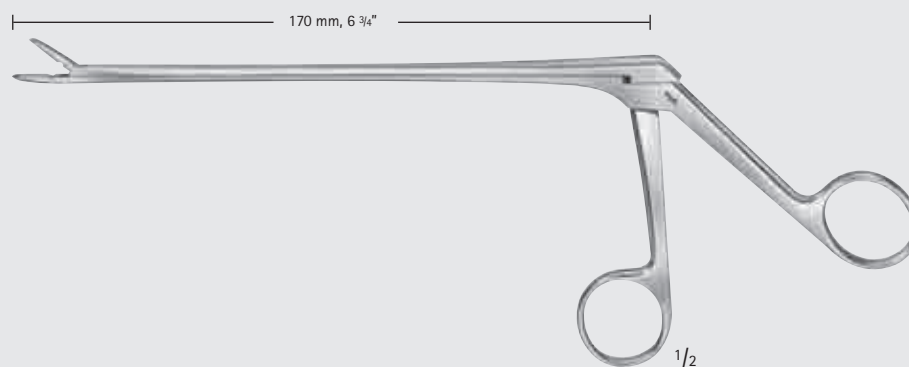
FF805R

3 x 10 mm

 1/1 SPURLING

FF807R

4 x 10 mm



FF803R-FF807R

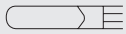


# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs  
Rongeurs

FF

150°



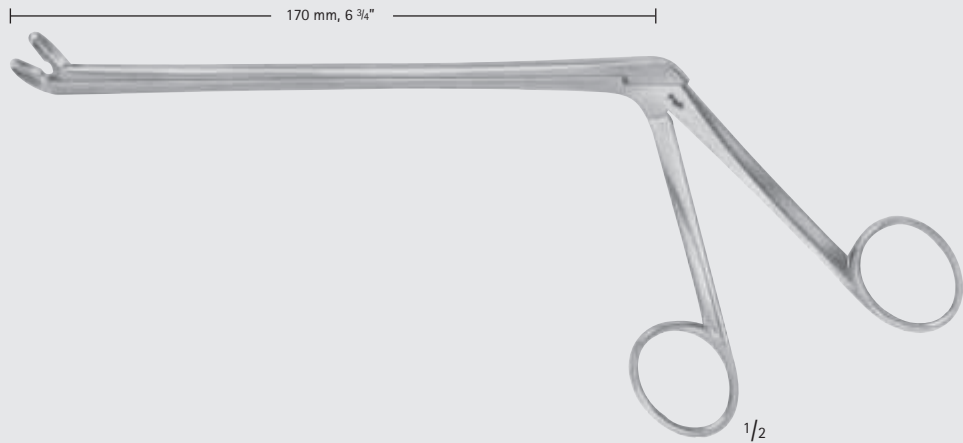
**FF806R**

3 x 10 mm



**FF814R**

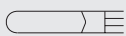
4 x 10 mm



LOVE-GRUENWALD

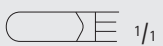
**FF806R-FF814R**

150° oberes Maulteil beweglich  
upper part of jaw movable



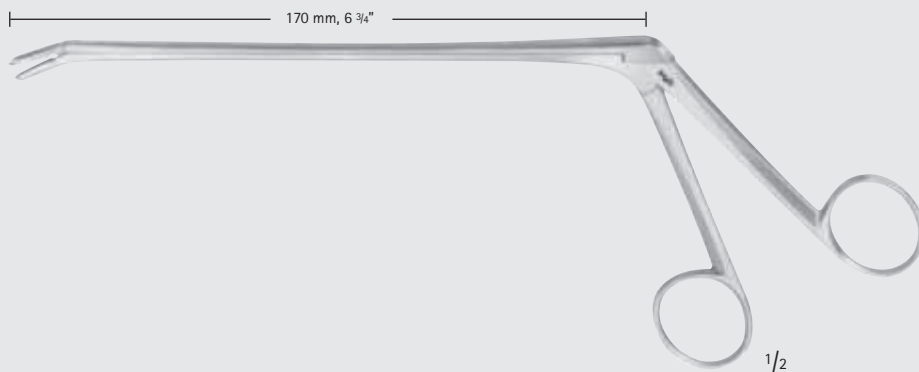
**FF810R**

3 x 10 mm



**FF811R**

4 x 10 mm



LOVE-GRUENWALD

**FF810R-FF811R**



MILLIMETERS

# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

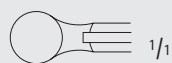
Rongeurs

Rongeurs

FF



170 mm, 6 3/4"



Ø 7,0 mm  
diam. 7.0 mm



OLDBERG

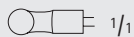
FF605R

185 mm, 7 1/4"



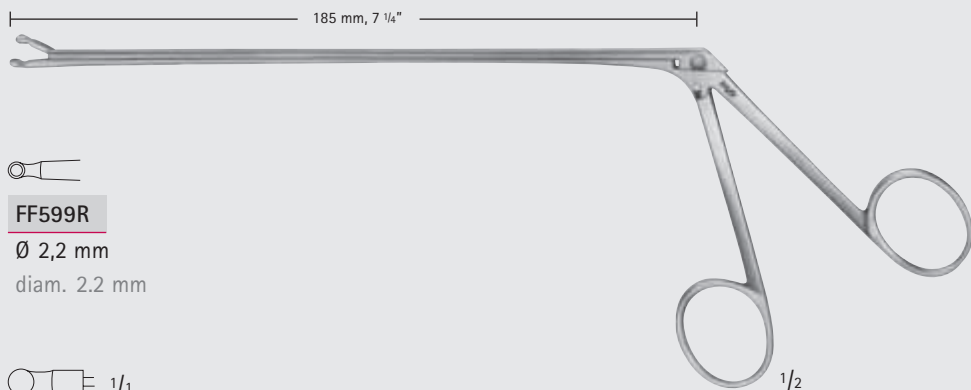
FF599R

Ø 2,2 mm  
diam. 2.2 mm



FF600R

Ø 3,5 mm  
diam. 3.5 mm



YASARGIL

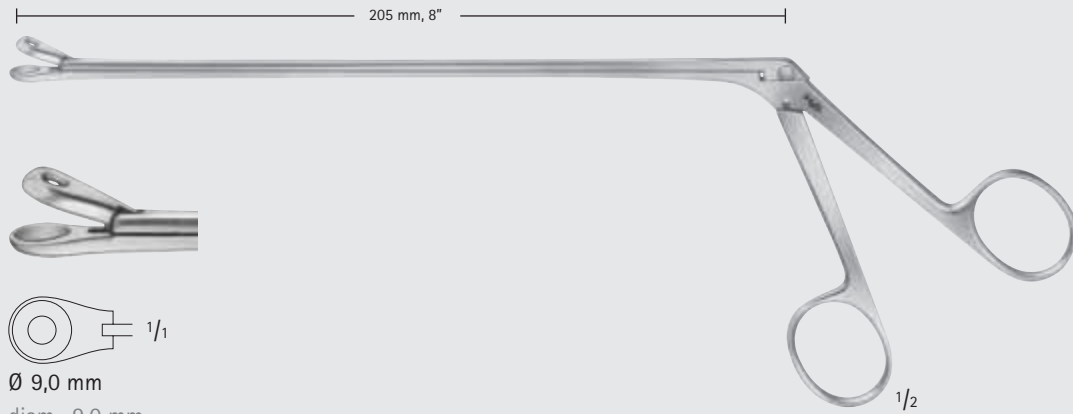
FF599R-FF600R



# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs  
Rongeurs

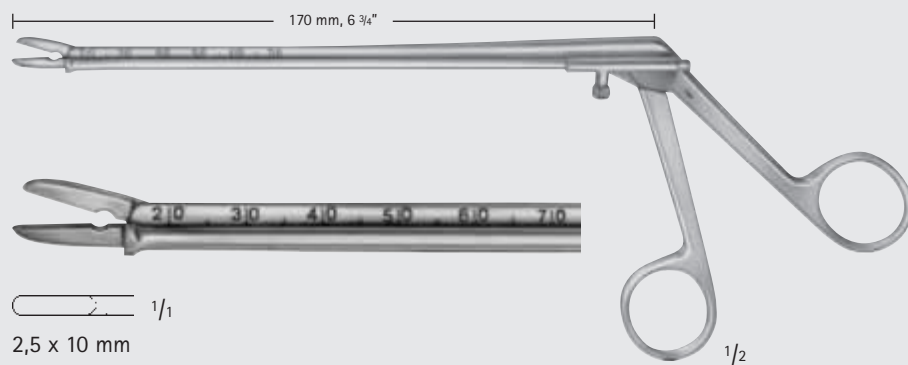
FF



LANDOLT

**FF345R**

Tumorfasszange, stumpf  
Tumor grasping forceps, blunt



KRÄMER

**FF820R**

mit Tiefenanschlag  
with depth guard



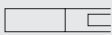
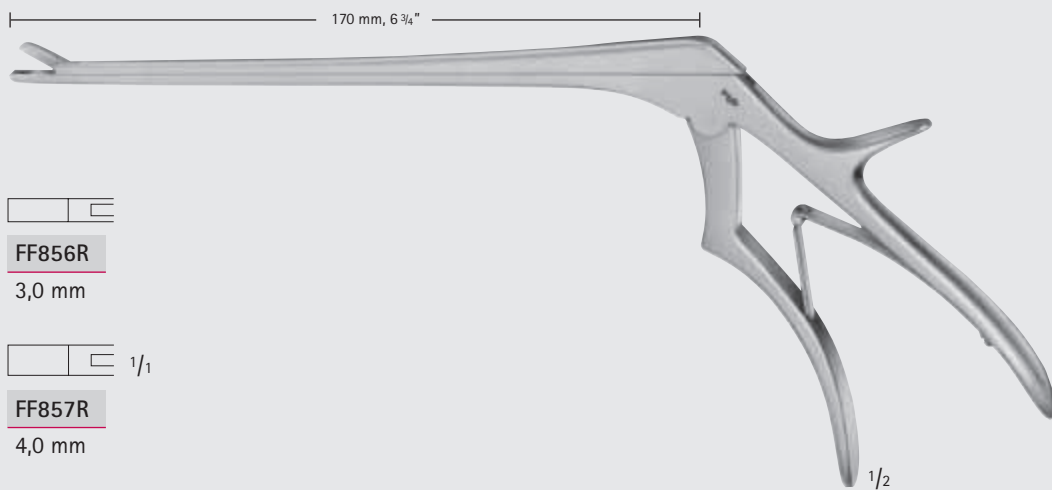
MILLIMETERS

# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

Rongeurs

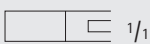
Rongeurs

FF



FF856R

3,0 mm

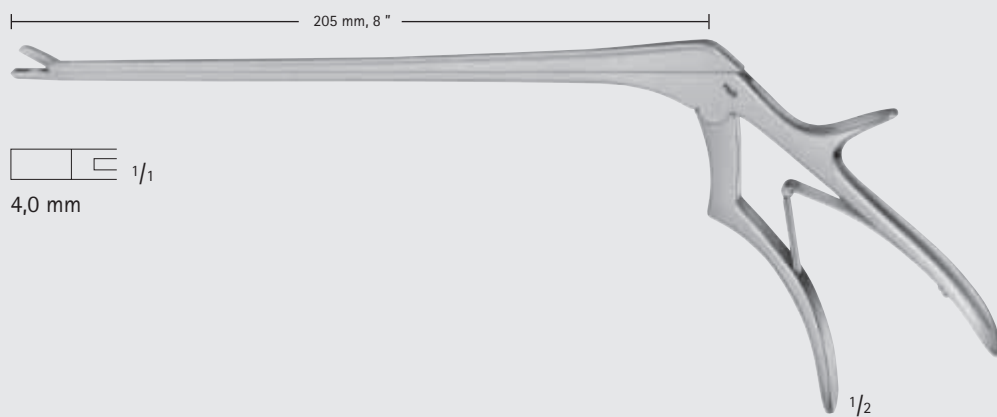


FF857R

4,0 mm

CASPAR

FF856R-FF857R



4,0 mm

CASPAR

FF858R

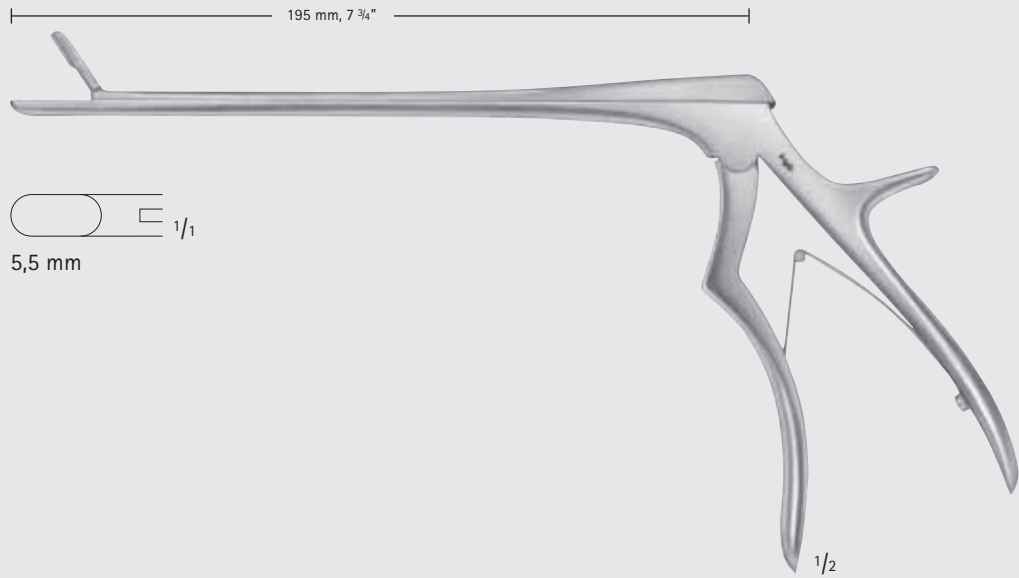




# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

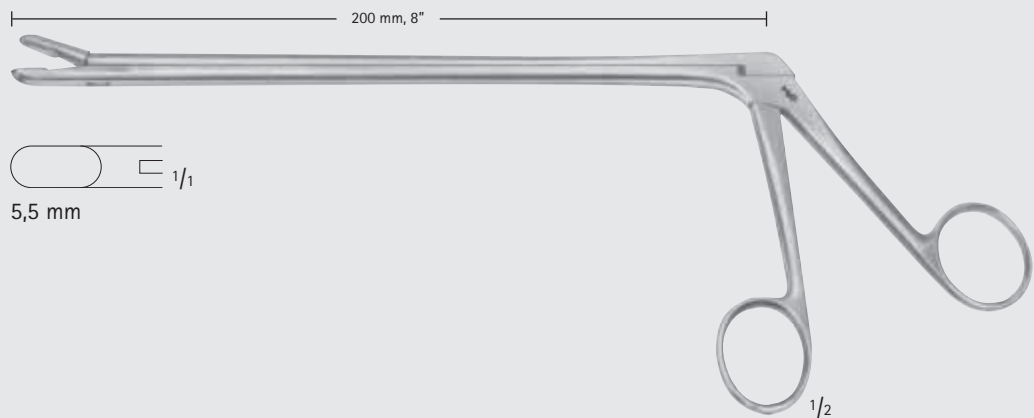
Rongeurs  
Rongeurs

FF



WAGNER

FF818R



WAGNER

FF808R

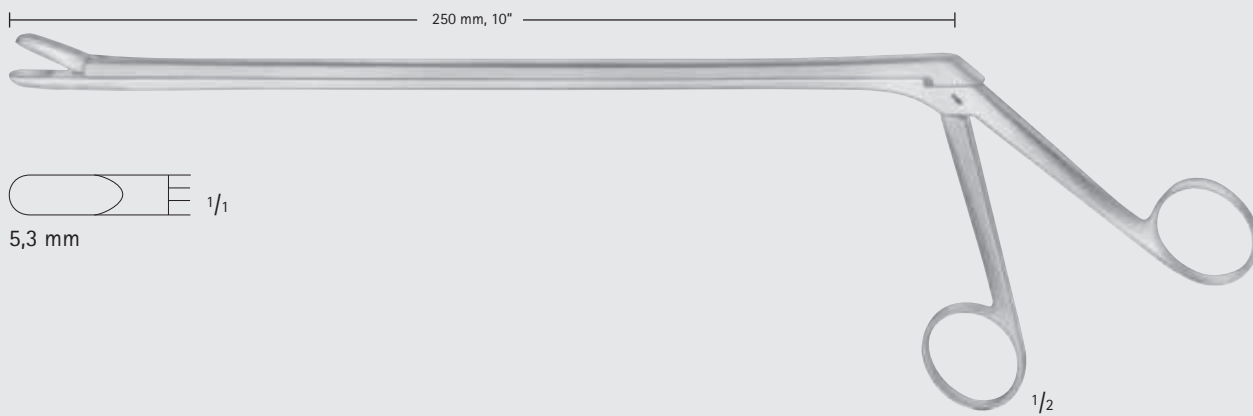


# Knochenstanzen, Rongeur – Bone Punches, Rongeurs

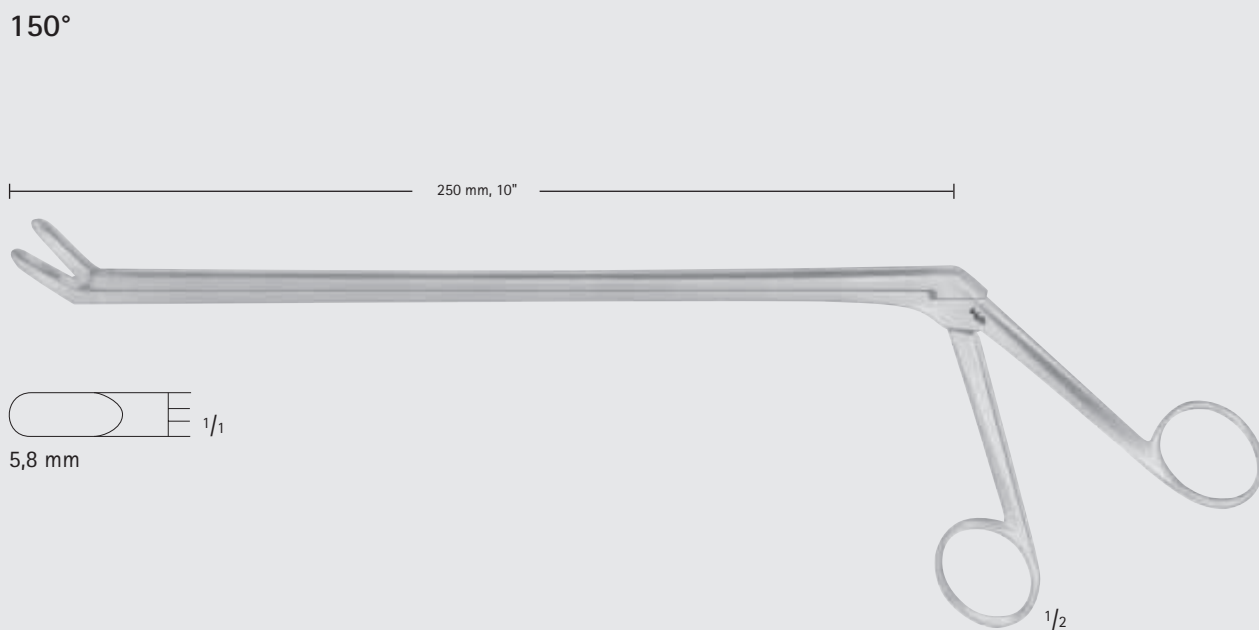
Rongeur

Rongeurs

FF



ND087R



SYPERT  
FG057R

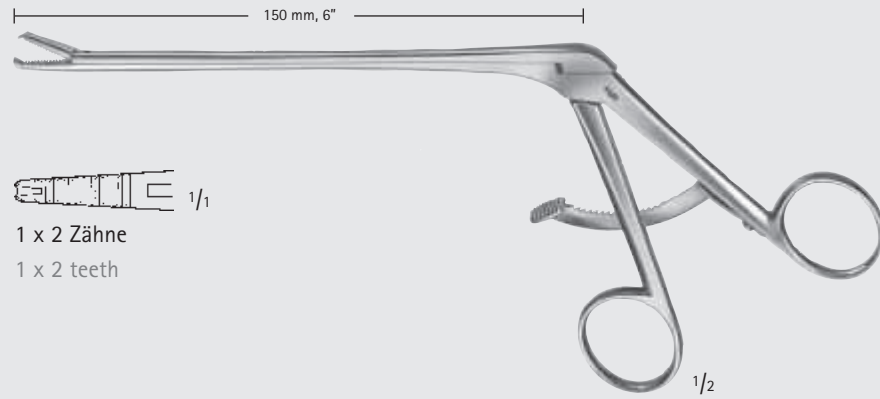


# Knochenstanzen, Rongeurs – Bone Punches, Rongeurs

## Ligamentum Flavum Faszange

### Grasping Forceps for Ligamentum Flavum

FF



1/1  
1 x 2 Zähne  
1 x 2 teeth

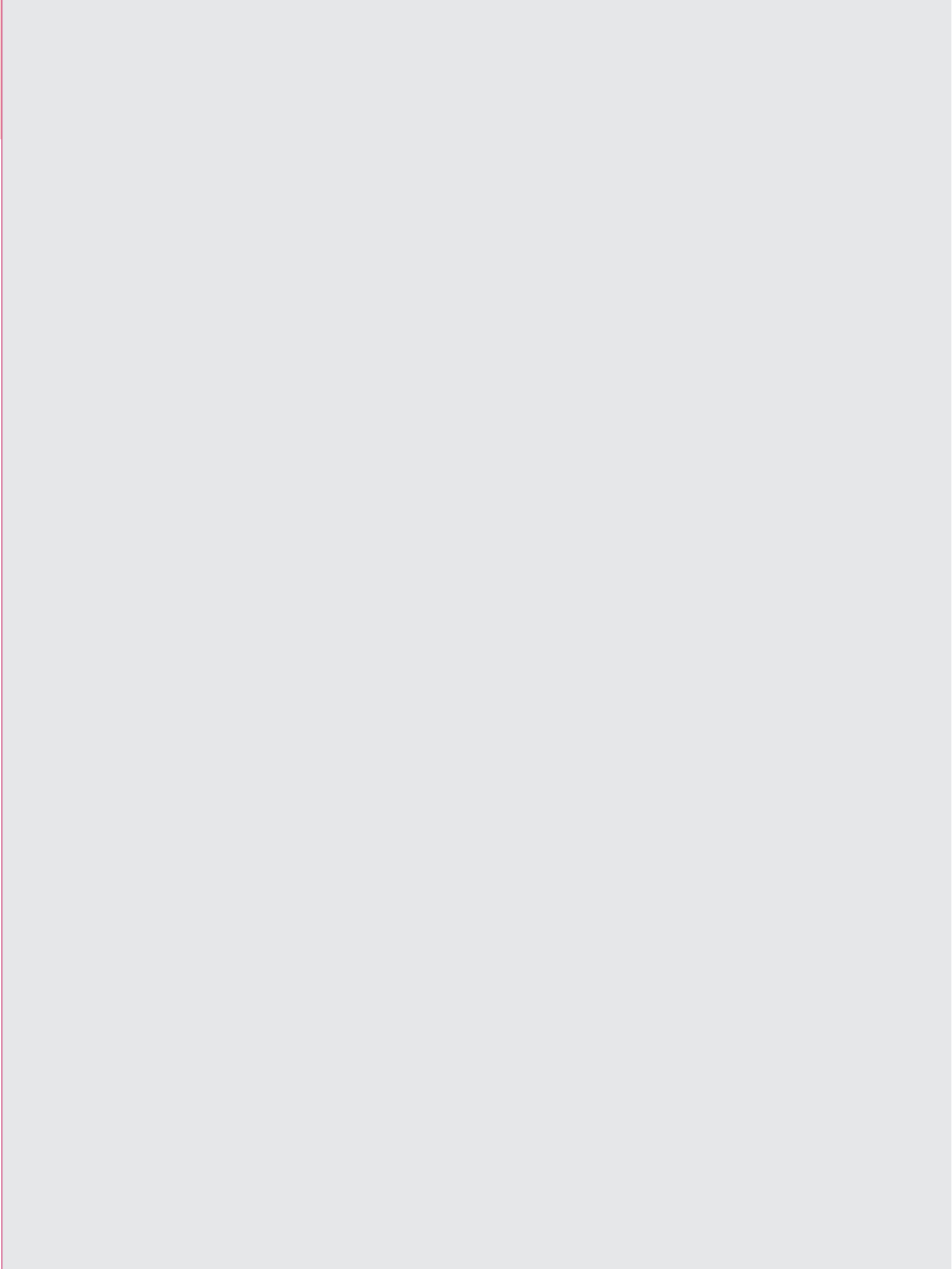
KRÄMER

FO820R

mit Sperre  
with catch



MILLIMETERS





FH



Amputation  
Amputation

## Amputation – Amputation

Amputation

Amputation



### FH001

Komprimierapparat zur Erzeugung einer Blutleere in den Extremitäten. Manometer mit Messbereich bis 600 mm Hg.

Komplett, bestehend aus:

FH002 Luftpumpe mit Manometer

FH003 Oberschenkel-Manschette,  
13,5 cm x 120 cm

FH014 Oberarm-Manschette,  
10 cm x 84 cm

Compression apparatus for producing exsanguination in the extremities.

Manometer registers up to 600 mm Hg.

Complete, consisting of:

FH002 Pump with manometer

FH003 Cuff for the leg,  
13,5 cm x 120 cm

FH014 Cuff for the upper arm,  
10 cm x 84 cm



**FH003** Oberschenkel-Manschette,  
13,5 cm x 120 cm

Cuff for the leg,  
13,5 cm x 120 cm

**\*FH004** Unterarm-Manschette,  
9,5 x 50 cm

Cuff for the lower arm,  
9,5 x 50 cm

**\*FH005** Kinder-Manschette,  
7,3 x 36 cm

Cuff for children,  
7,3 x 36 cm

**FH014** Oberarm-Manschette,  
10 cm x 84 cm

Cuff for the upper arm,  
10 cm x 84 cm

\* zusätzlich zu bestellen zu FH001

\* to be ordered separately for FH001



### ESMARCH

#### FH010

Staubinde

5 m lang

6 cm breit

Compression bandage

5 m long

6 cm wide



**Amputation – Amputation**  
 Amputationsmesser  
 Amputation Knives

**FH**



doppelschneidig  
 double cutting

**LISTON**

**FH100R-FH103R**

Amputationsmesser  
 Amputation knives

	<b>FH100R</b>	<b>FH101R</b>	<b>FH102R</b>	<b>FH103R</b>
Schnittlänge:	130 mm	160 mm	190 mm	220 mm
Blade length:	5 1/8"	6 1/4"	7 1/2"	8 3/4"

Schnittlänge:

130 mm

160 mm

190 mm

220 mm

Blade length:

5 1/8"

6 1/4"

7 1/2"

8 3/4"



doppelschneidig  
 double cutting

**CATLIN**

**FH116R**

Amputationsmesser  
 Amputation knife

Schnittlänge: 160 mm

Blade length: 6 1/4"



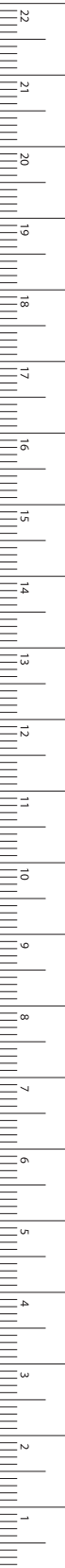
**LANGENBECK**

**FH150R**

Lappenmesser  
 Flap knife

Schnittlänge: 120 mm

Blade length: 6 1/4"



MILLIMETERS

**Amputation – Amputation**  
 Amputations- und Resektionsmesser  
 Amputation- and Resection Knives

**FH**



1/2

**FH160R**

Phalangenmesser  
 Phalangeal knife

Schnittlänge: 105 mm  
 Blade length: 4 1/8"



1/2

**FH166R**

Zwischenknochenmesser  
 Interosseous knife

Schnittlänge: 110 mm  
 Blade length: 4 3/8"

doppelschneidig  
 double cutting



1/2

**FH170R**

Beinhautmesser  
 mit Schaber  
 Periosteum knife  
 with raspatory

Schnittlänge: 65 mm  
 Blade length: 2 1/2"



**FH191R**

**FH192R**

1/1

**LANGENBECK**

**FH191R-FH192R**

Resektionsmesser  
 Resection knives

Schnittlänge: 55 mm  
 Blade length: 2 1/8"

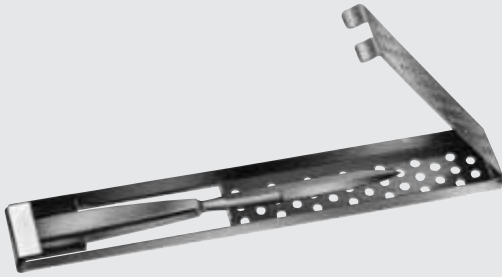




## Amputation – Amputation

### Sterilisierahmen für Resektions- und Amputationsmesser Sterilizing Racks for Resection- and Amputation Knives

FH

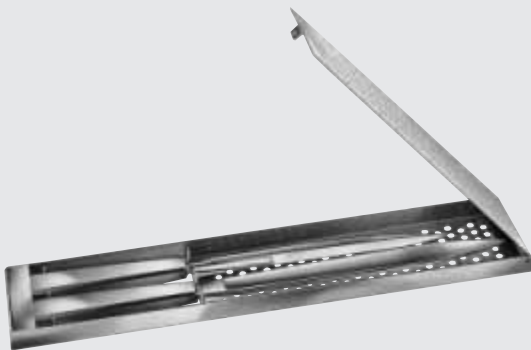


#### FH194R

Sterilisierahmen für 1 Messer  
mit Schnittlänge bis 140 mm  
Sterilizing rack for 1 knife  
with length of blade up to 140 mm  
290 x 40 x 14 mm

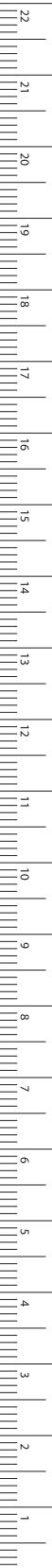
#### FH194R-FH197R

für Resektions- und Amputationsmesser  
for Resection- and Amputation knives



#### FH197R

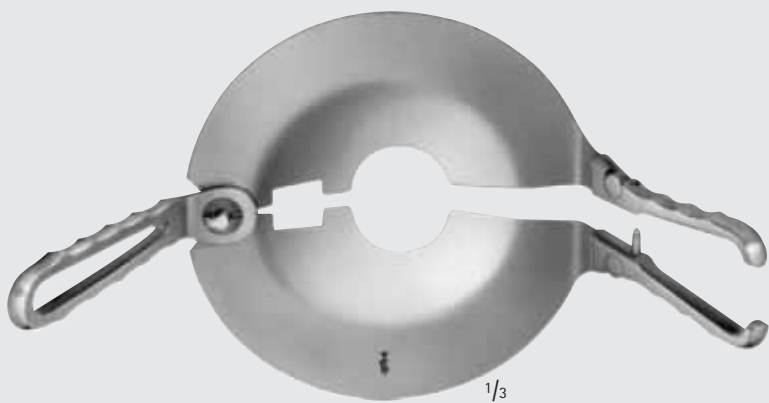
Sterilisierahmen für 2 Messer  
mit Schnittlängen bis 190 mm  
Sterilizing rack for 2 knives  
with length of blade up to 190 mm  
335 x 65 x 14 mm



MILLIMETERS

**Amputation – Amputation**  
Amputationsretractoren  
Amputation Retractors

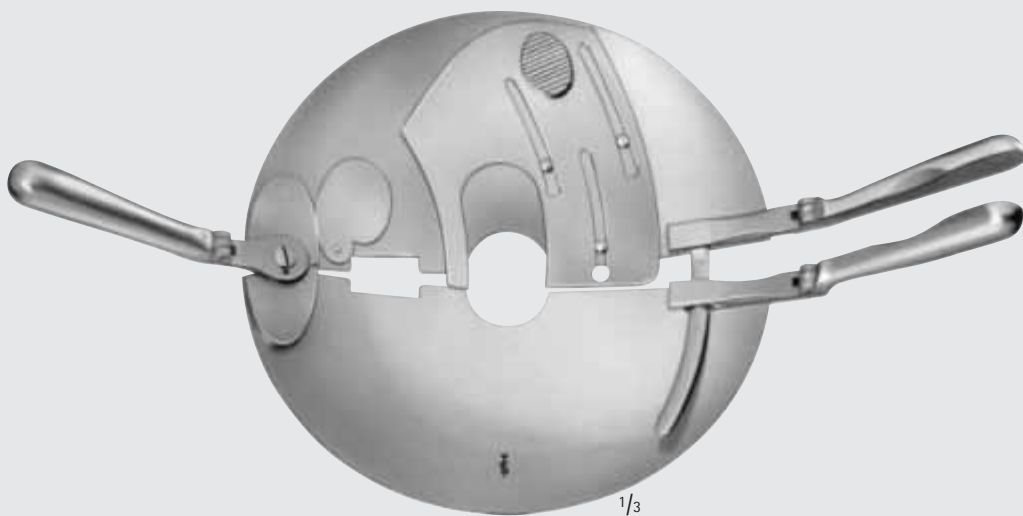
FH



PERCY

FH220R

Griffe abnehmbar  
removable handles



PERCY

FH222R

Griffe umlegbar  
reversible handles



## Amputation – Amputation Amputationssägen Amputation Saws

FH



1/3

### CHARRIÈRE

**FH300R**

komplett mit je 1 Sägeblatt  
complete with one saw blade each

FH301C 12 mm

FH302C 18 mm

350 mm, 14"

### FH301C-FH302C

Ersatz-Sägeblätter, Normalstahl verchromt  
Spare saw blades, carbon steel chromium plated

	Breite Width	Blattlänge Blade length
FH301C	12 mm	215 mm, 8 1/2"
FH302C	18 mm	215 mm, 8 1/2"



1/3

### RUST

**FH305R**

komplett mit Sägeblättern  
complete with saw blades

1 FH307C 6 mm

1 FH308C 8 mm

2 FH310C 12 mm

390 mm, 15 1/2"

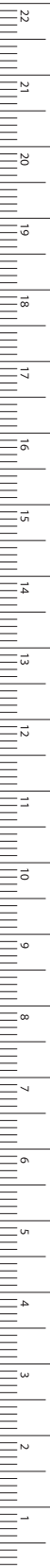
### FH306R

Bogen allein  
Bow only

### FH307C-FH312C

Ersatz-Sägeblätter, Normalstahl verchromt  
Spare saw blades, carbon steel chromium plated

	Breite Width	Blattlänge Blade length
FH307C	6 mm	235 mm, 9 1/4"
FH308C	8 mm	235 mm, 9 1/4"
FH310C	12 mm	235 mm, 9 1/4"
FH312C	18 mm	235 mm, 9 1/4"



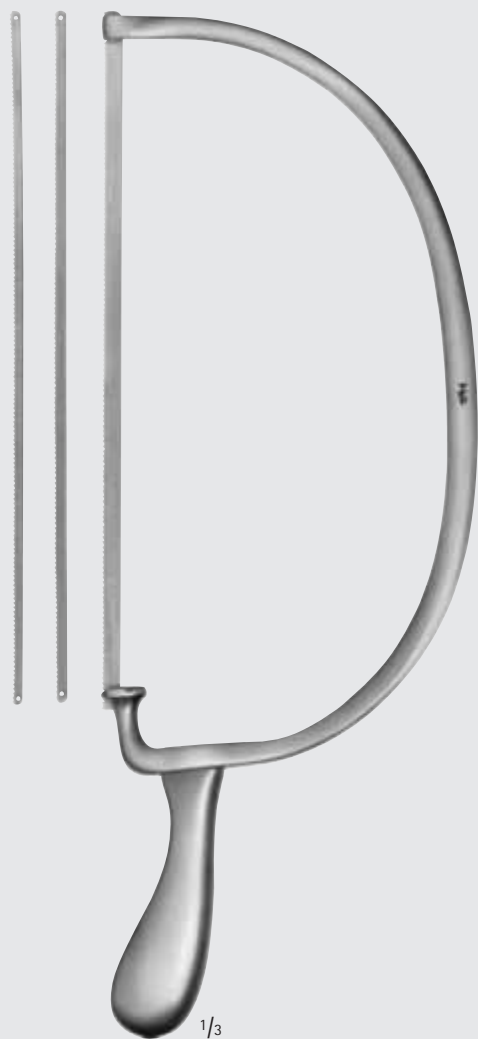
MILLIMETERS

## Amputation – Amputation

### Amputationssägen

### Amputation Saws

FH



1/3

BIER

**FH313R**

komplett mit je 1 Sägeblatt

complete with one saw blade each

FH314C 4 mm

FH315C 6 mm

FH316C 8 mm

420 mm, 16 3/4"

**FH314C-FH316C**

Ersatz-Sägeblätter, Normalstahl verchromt

Spare saw blades, carbon steel chromium plated

	Breite Width	Blatlänge Blade length
<b>FH314C</b>	4 mm	270 mm, 10 1/2"
<b>FH315C</b>	6 mm	270 mm, 10 1/2"
<b>FH316C</b>	8 mm	270 mm, 10 1/2"



1/2

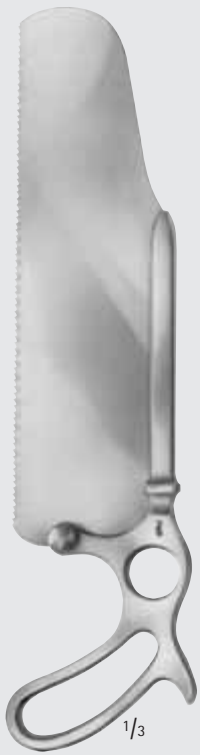
CHARRIÈRE

**FH320R**

270 mm, 10 1/2"

Blatlänge: 184 mm,

Blade length: 7 1/4"



SATTERLEE

**FH325R**

290 mm, 11 1/2"

Blattlänge

Blade length

**FH326R** 200 mm, 8"

Ersatz-Sägeblatt

Spare saw blade



LANGENBECK

**FH335R**

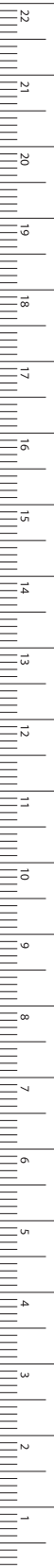
Finger-Stichsäge

Metacarpal saw

235 mm, 9 1/4"

Blattlänge: 115 mm,

Blade length: 4 1/2"

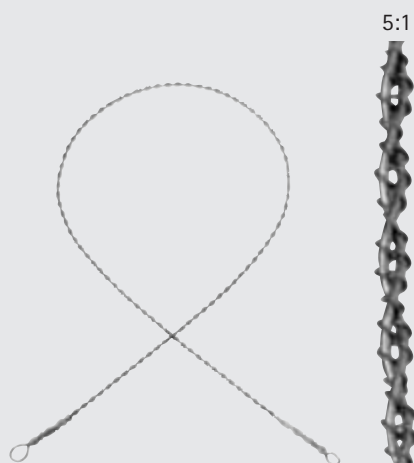


# Amputation – Amputation

Drahtsägen

Wire Saws

FH



OLIVECRONA

Ø  
Diam.

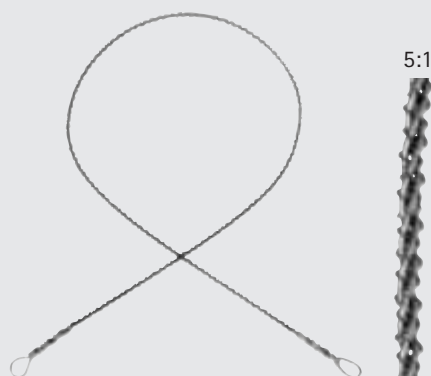
FH403	1,5 mm	300 mm, 12"
FH404	1,3 mm	400 mm, 16"
FH405	1,2 mm	500 mm, 20"
FH407	1,2 mm	700 mm, 28"

Bestelleinheit:

PAK = Packung à 5 Stück

Sales unit:

PAK = Package of 5 pieces



GIGLI

Ø  
Diam.

FH413	1,4 mm	300 mm, 12"
FH414	1,4 mm	400 mm, 16"
FH415	1,4 mm	500 mm, 20"

fein, 6-teilig

fine, 6 wires twisted

**FH430R**

grob, 4-teilig

coarse, 4 wires twisted

500 mm, 20"

Bestelleinheit:

PAK = Packung à 5 Stück

Sales unit:

PAK = Package of 5 pieces



GIGLI

**FH480R**

Griff

Handle



1/2

LEBSCHÉ

FF133C

Umführungsinstrument für GIGLI und OLIVECRONA Drahtsägen, biegsam  
Conductor for GIGLI and OLIVECRONA wire saws, malleable  
250 mm, 10"

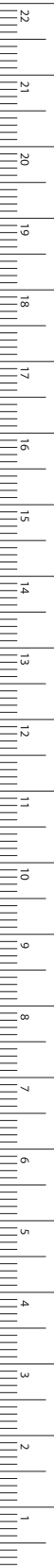


1/2

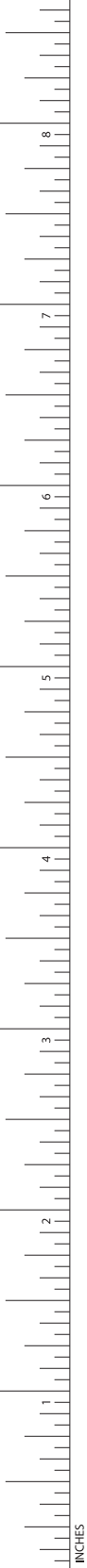
DE MARTEL

FF130R

Umführungsinstrument für GIGLI und OLIVECRONA Drahtsägen, flexibel  
Conductor for GIGLI and OLIVECRONA wire saws, flexible  
350 mm, 14"



MILLIMETERS



INCHES





FK



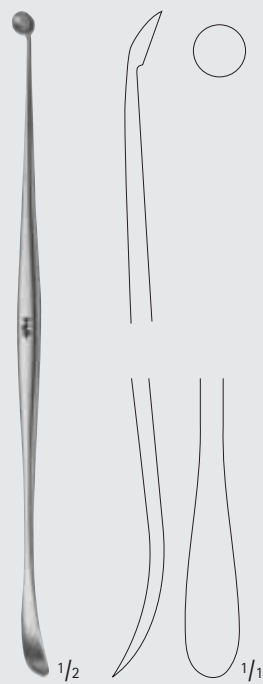
Knochenhebel, Elevatorien,  
Raspatorien, Scharfe Löffel  
Bone Levers, Periosteal Elevators,  
Bone Curettes

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Crettes

Dissektoren

Dissectors

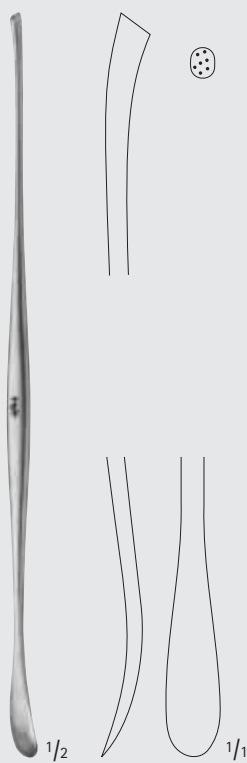
FK



PENFIELD

FF291R

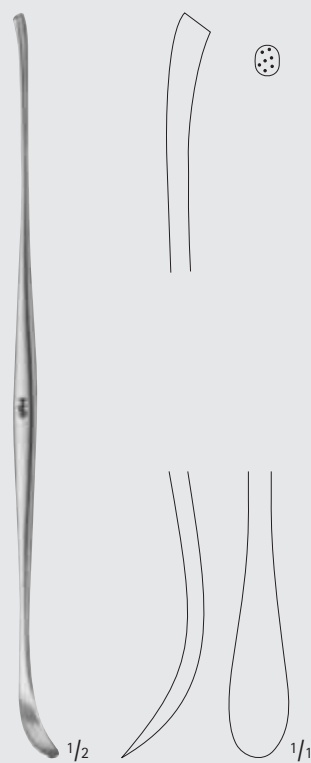
Fig. 1  
doppellendig  
double-ended  
175 mm, 7"



PENFIELD

FF292R

Fig. 2  
doppellendig  
double-ended  
195 mm, 7 3/4"



PENFIELD

FF293R

Fig. 3  
doppellendig  
double-ended  
195 mm, 7 3/4"

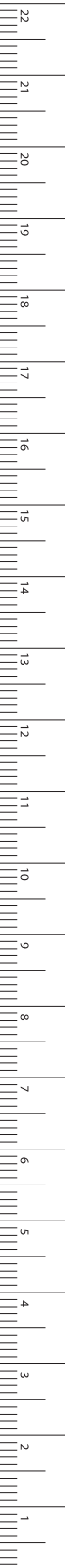


PENFIELD

FF294R

Fig. 4  
leicht gebogen  
slightly curved  
205 mm, 8"

**Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes**  
 Dissektoren, Hohlsonden  
 Dissector, Grooved Director



**SWEDISH**

**FF347R** 180 mm, 7"

leichtes Modell  
 light pattern

**FF348R** 200 mm, 8"

kräftiges Modell  
 heavy pattern



**PENNYBACKER**

**FF349R**

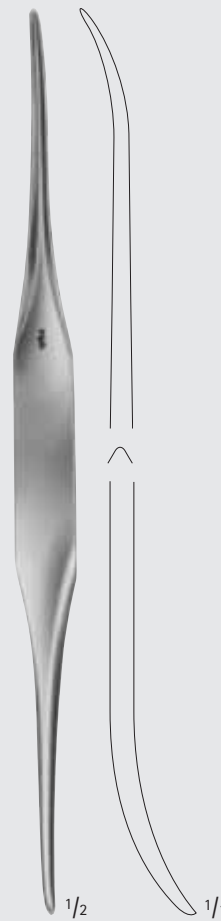
Sonde und Dissektor  
 Probe dissector  
 230 mm, 9"



**O'CONNELL**

**FF730R**

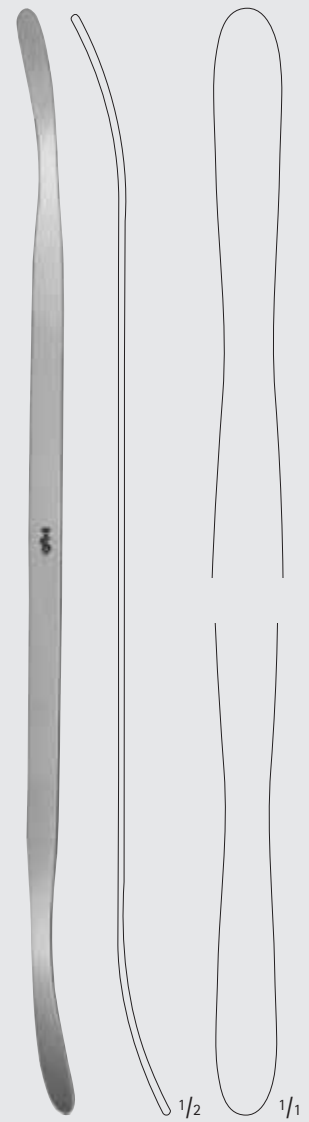
doppelendig  
 double-ended  
 220 mm, 8 3/4"



**TÖNNIS**

**FF308R**

Hohlsonde  
 Grooved director  
 240 mm, 9 1/2"



**PENFIELD**

**FF295R**

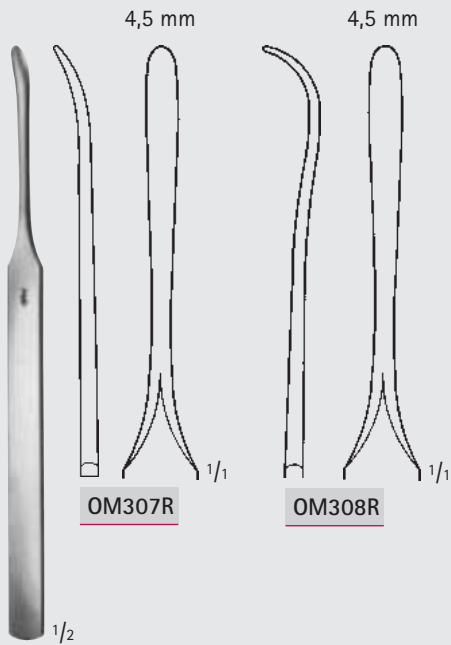
Fig. 5  
 doppelendig, leicht gebogen  
 double-ended, slightly curved  
 290 mm, 11 1/2"

# Knochenhebel, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Elevatoren und Knochenhebel

Elevators and Bone Levers

FK



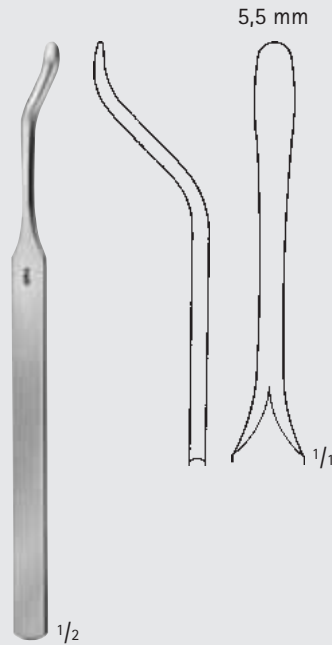
OM307R

OM308R

KÖNIG

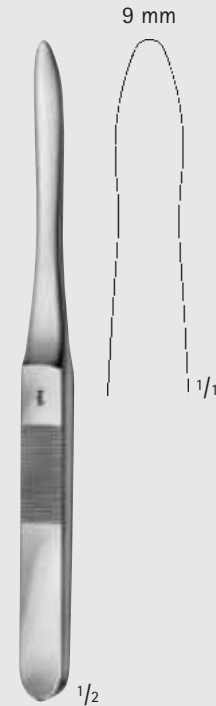
OM307R-OM308R

155 mm, 6"



FK110R

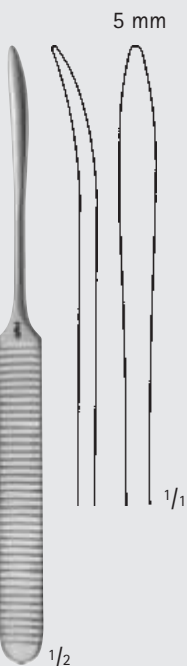
155 mm, 6"



CAIRNS

FK141R

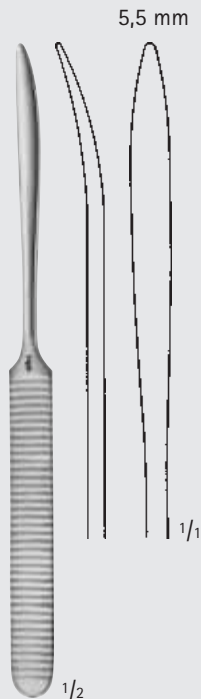
175 mm, 6 3/4"



WILLIGER

FK120R

165 mm, 6 1/2"



WILLIGER

FK121R

170 mm, 6 3/4"



CHANDLER

MB275R-MB278R

MB275R

klein

small

14 mm

185 mm

7 1/4"

MB276R

mittel

medium

19 mm

205 mm

8"

MB277R

groß

large

25 mm

235 mm

9 1/4"

MB278R

extra groß

extra large

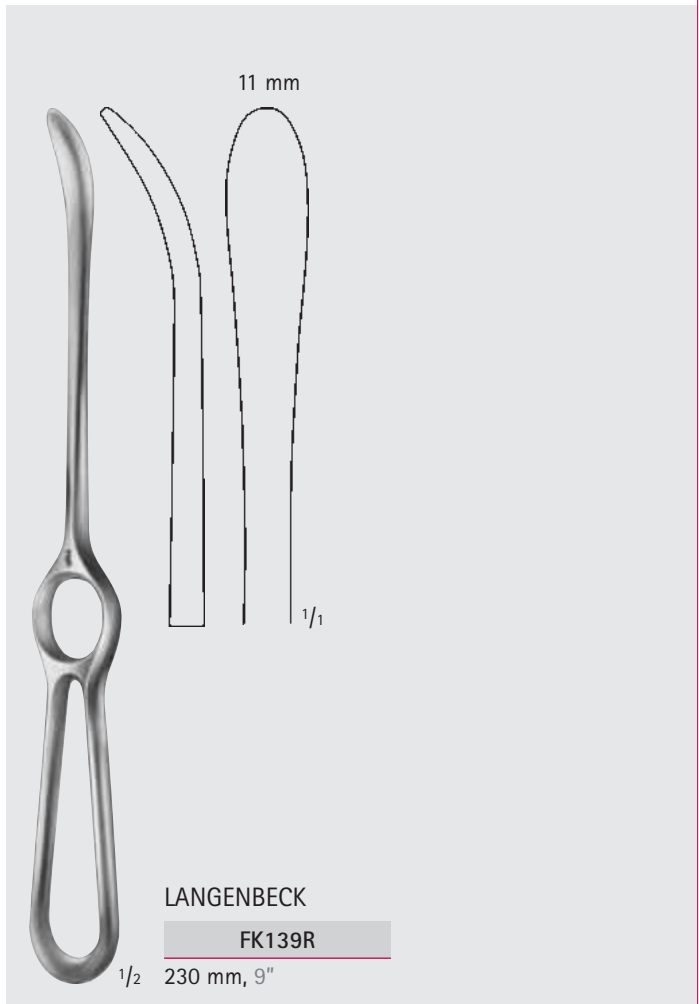
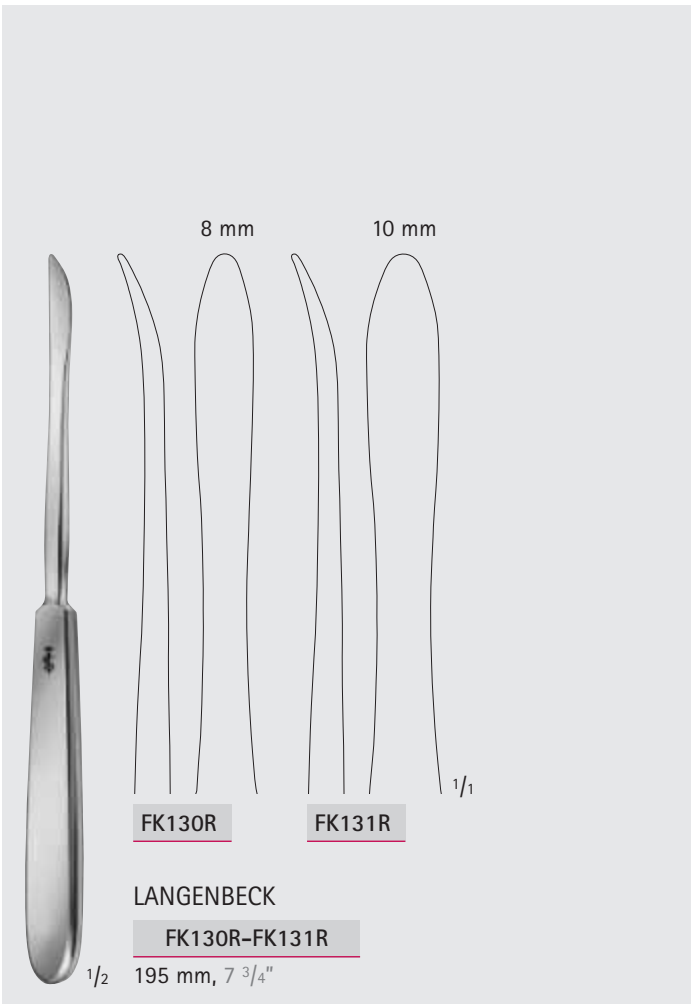
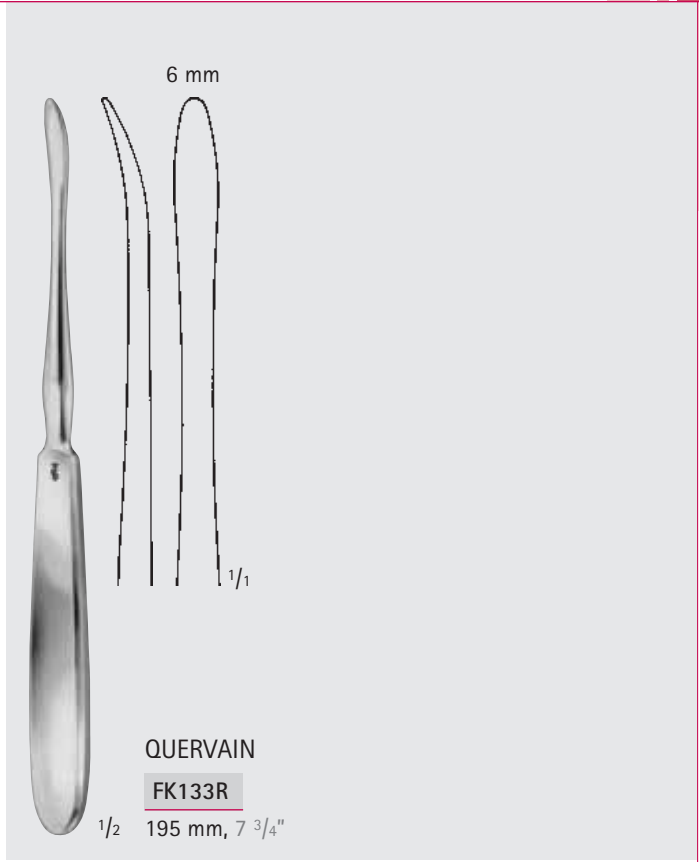
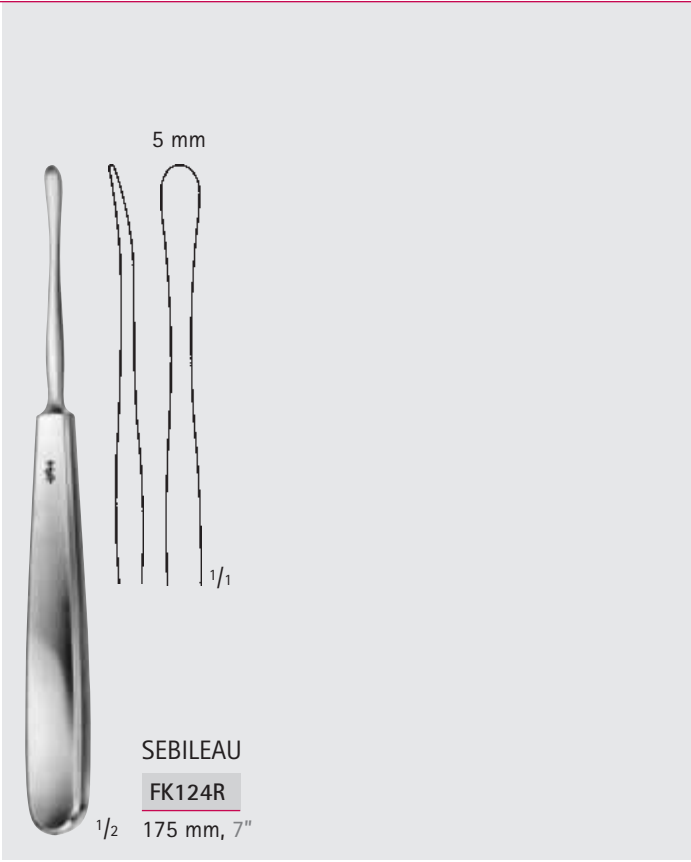
30 mm

255 mm

10"



**Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes**  
 Elevatorien und Knochenheber  
 Elevators and Bone Levers



**FK**

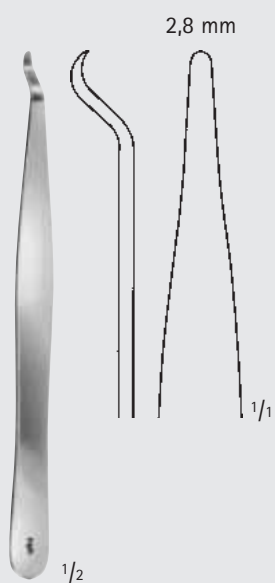


# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

## Knochenheber

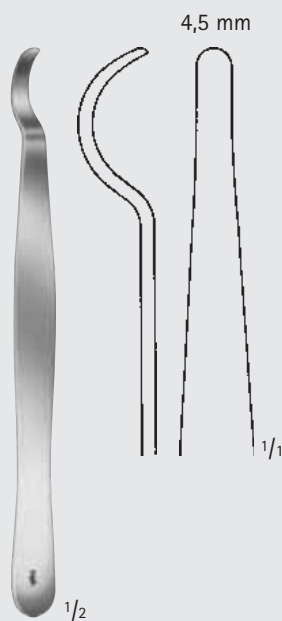
### Bone Levers

FK



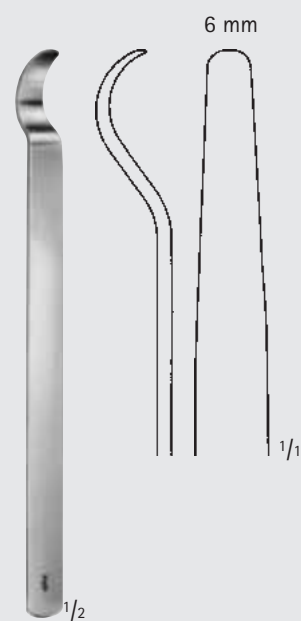
**FK111R**

140 mm, 5 1/2"



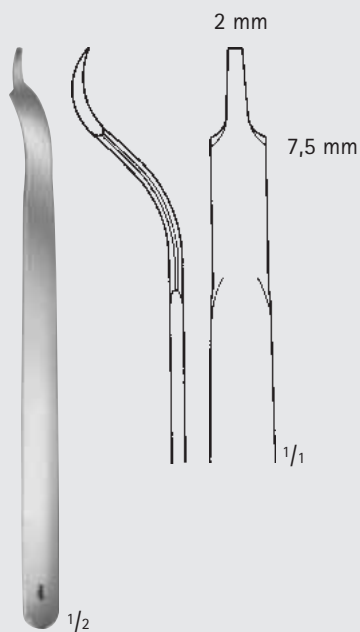
**FK113R**

150 mm, 6"



**FK114R**

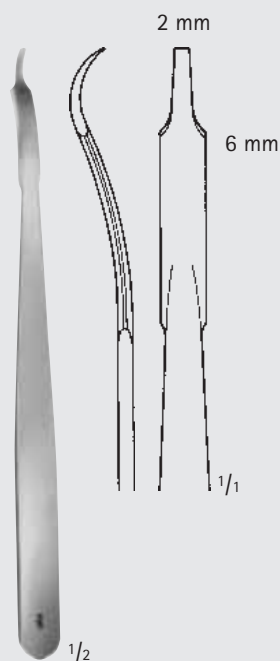
150 mm, 6"



**BUCK-GRAMCKO**

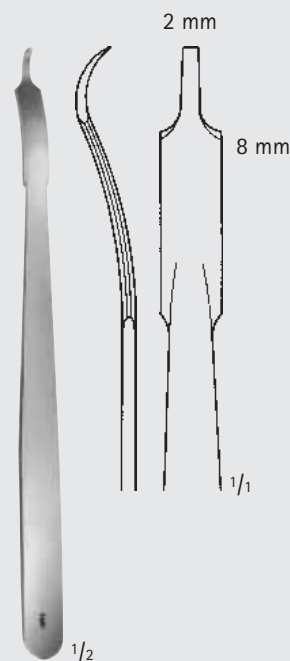
**FK116R**

150 mm, 6"



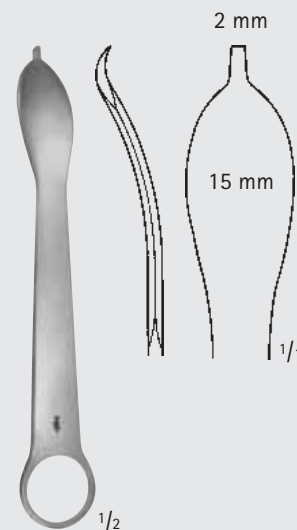
**FK117R**

160 mm, 6 1/4"



**FK118R**

160 mm, 6 1/4"



**FK119R**

125 mm, 5"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber  
Bone Levers

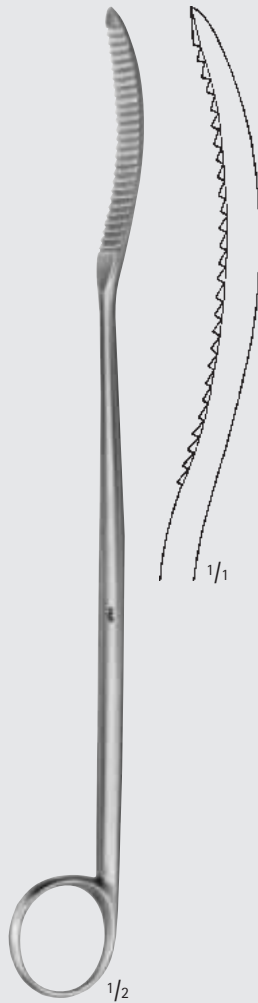
FK



LANE TRETHOWAN

FK135R

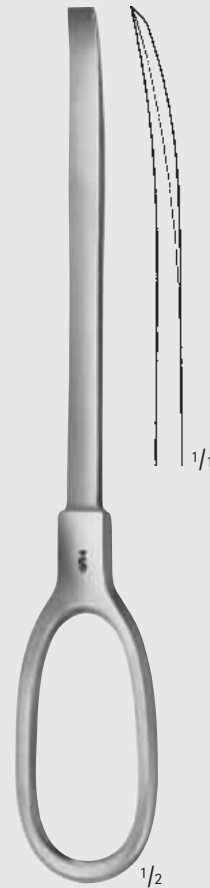
215 mm, 8 1/2"



LANE

FK136R

255 mm, 10"



BRISTOW

FK140R

230 mm, 9"



MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber

Bone Levers

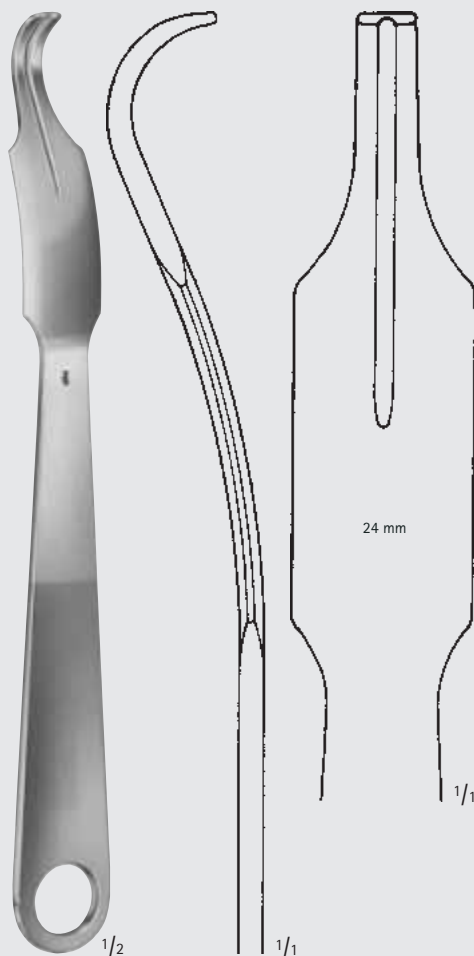
FK



WATSON-JONES

FK156R

280 mm, 11"



LANGE-HOHMANN

FK160R

250 mm, 10"

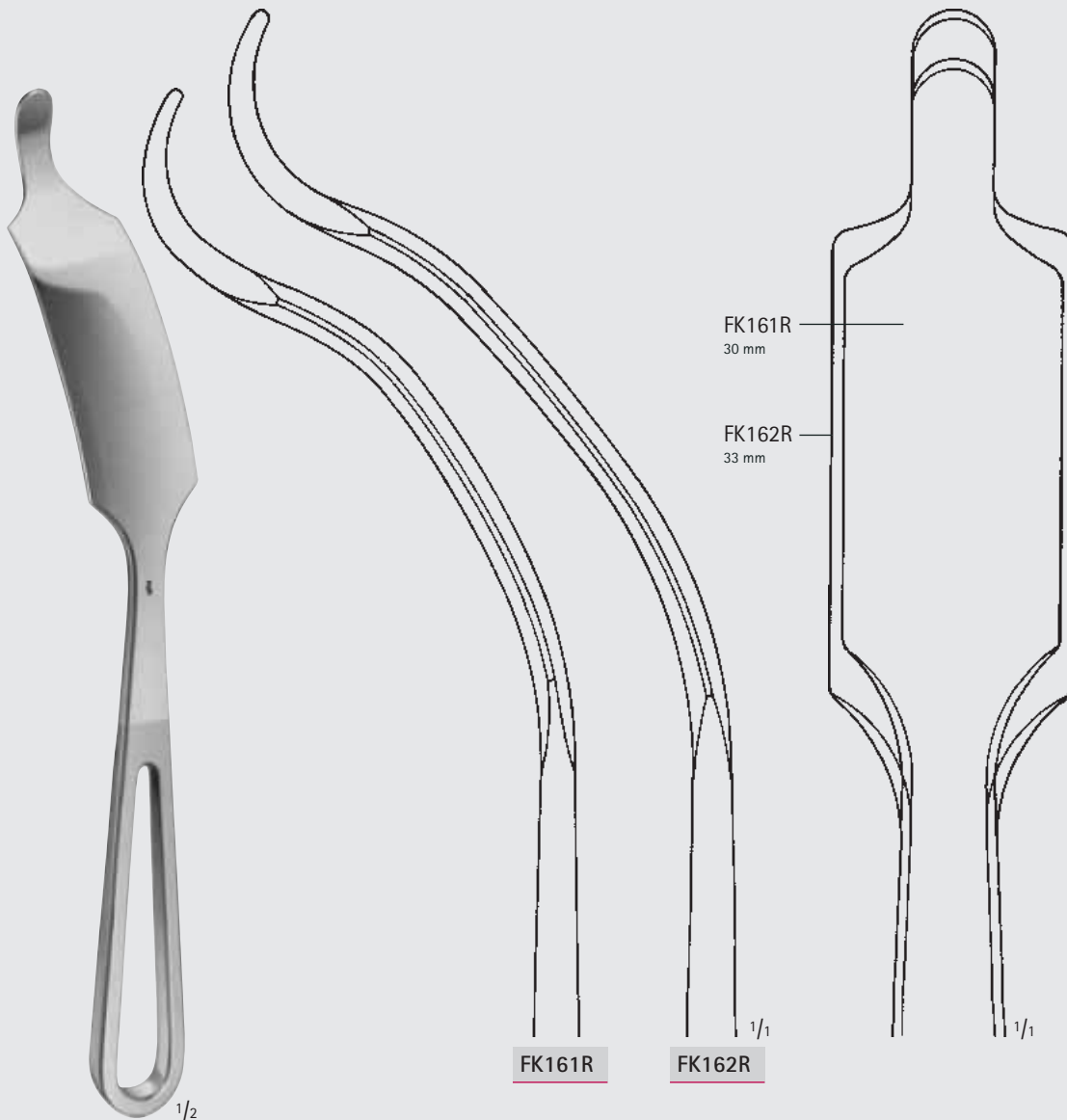




# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber  
Bone Levers

FK



LANGE-HOHMANN MODIF.

FK161R	265 mm	10 1/2"
FK162R	280 mm	11 1/2"

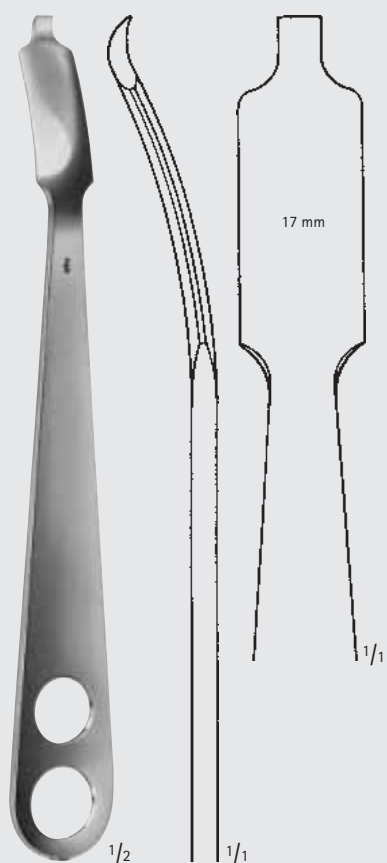
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber

Bone Levers

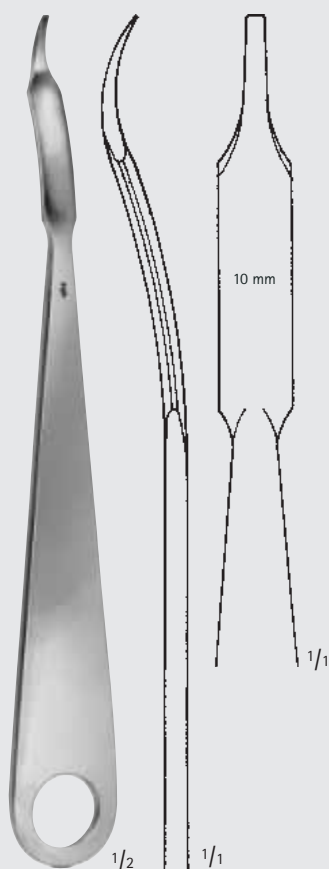
FK



WAGNER

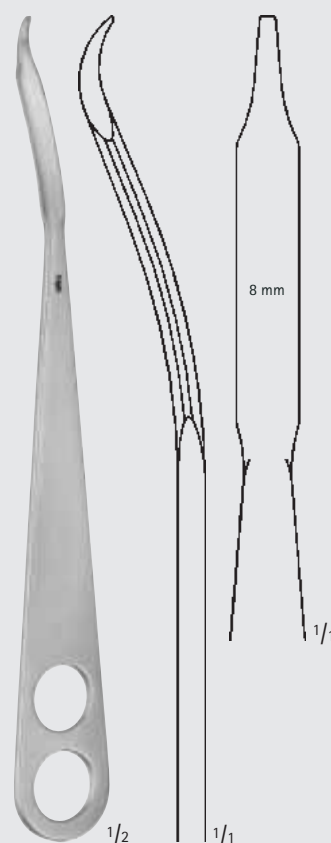
FK167R

220 mm, 8 3/4"



FK170R

220 mm, 8 3/4"



FK185R

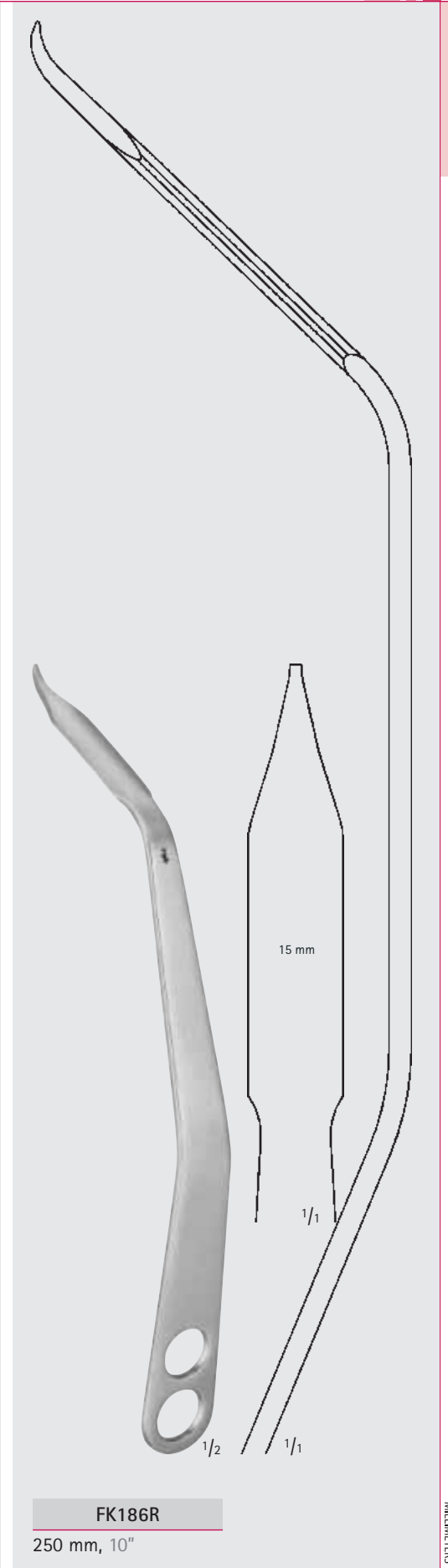
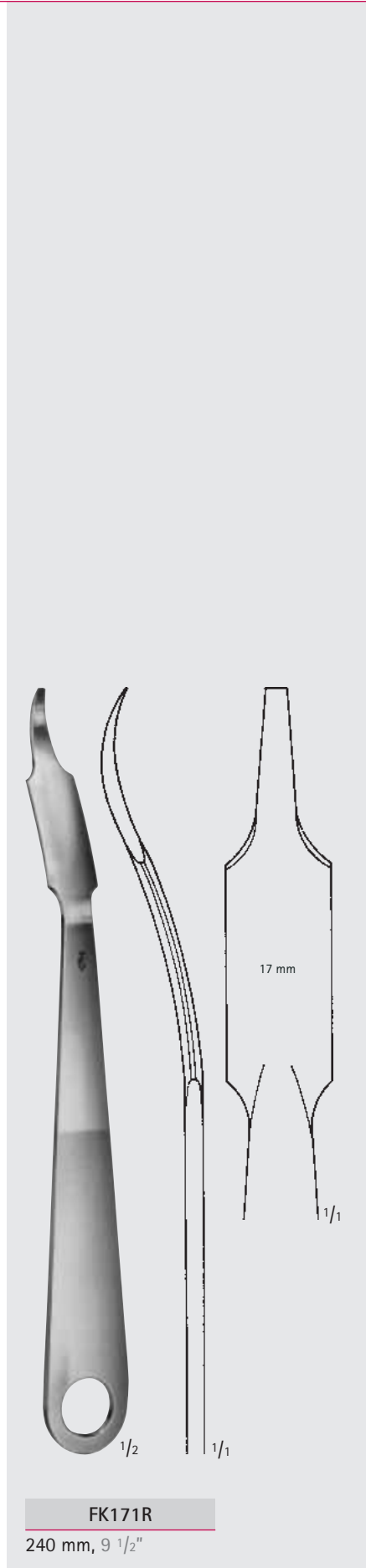
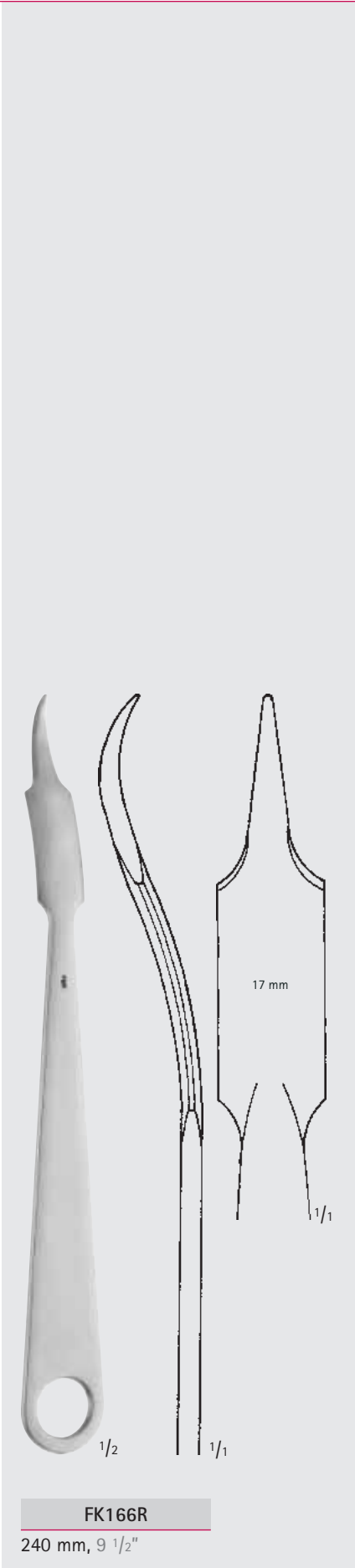
220 mm, 8 3/4"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber  
Bone Levers

**FK**



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

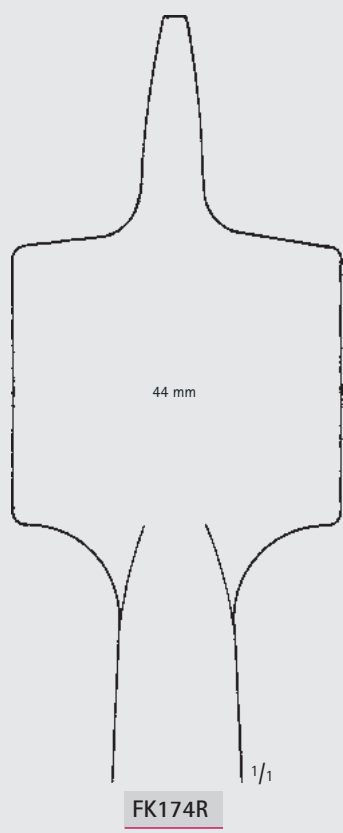
Knochenheber

Bone Levers

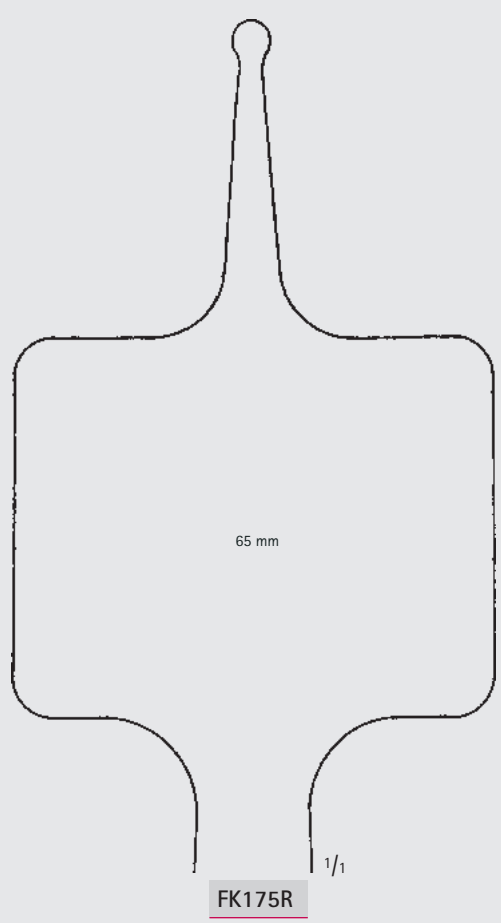
FK



FK174R FK175R



FK174R



FK175R

VERBRUGGE-MÜLLER

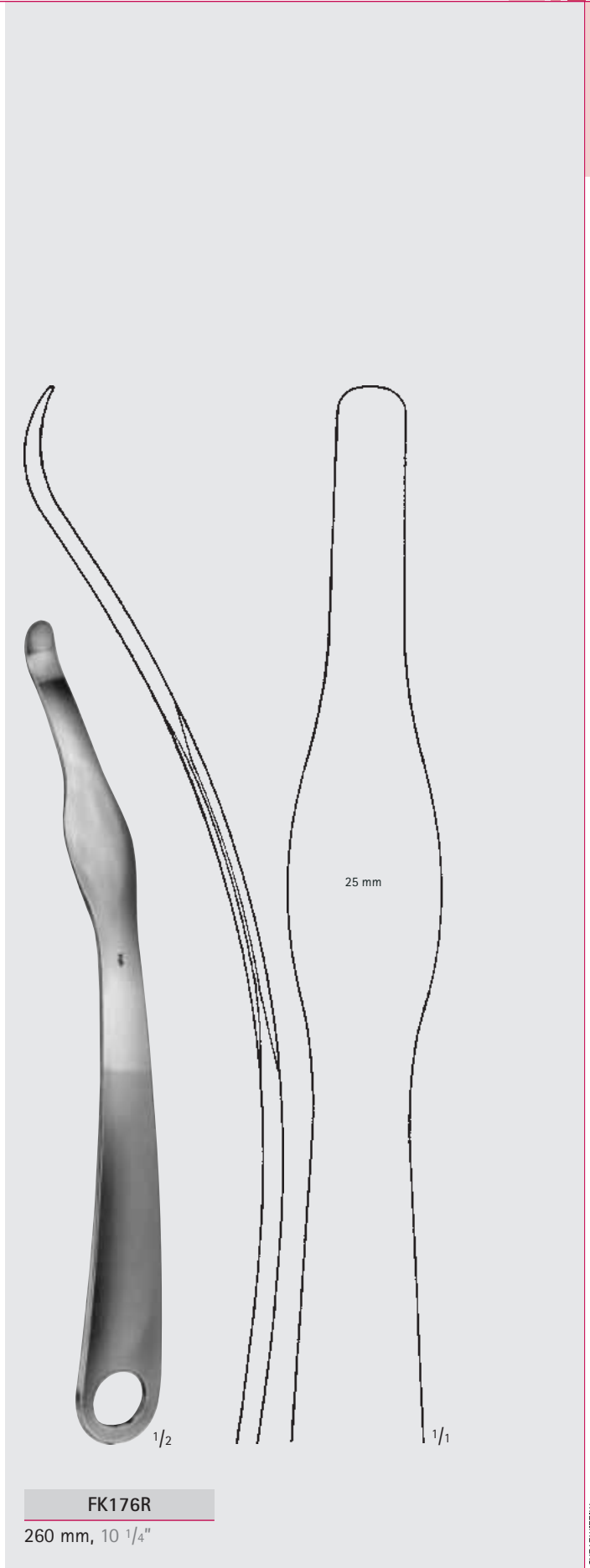
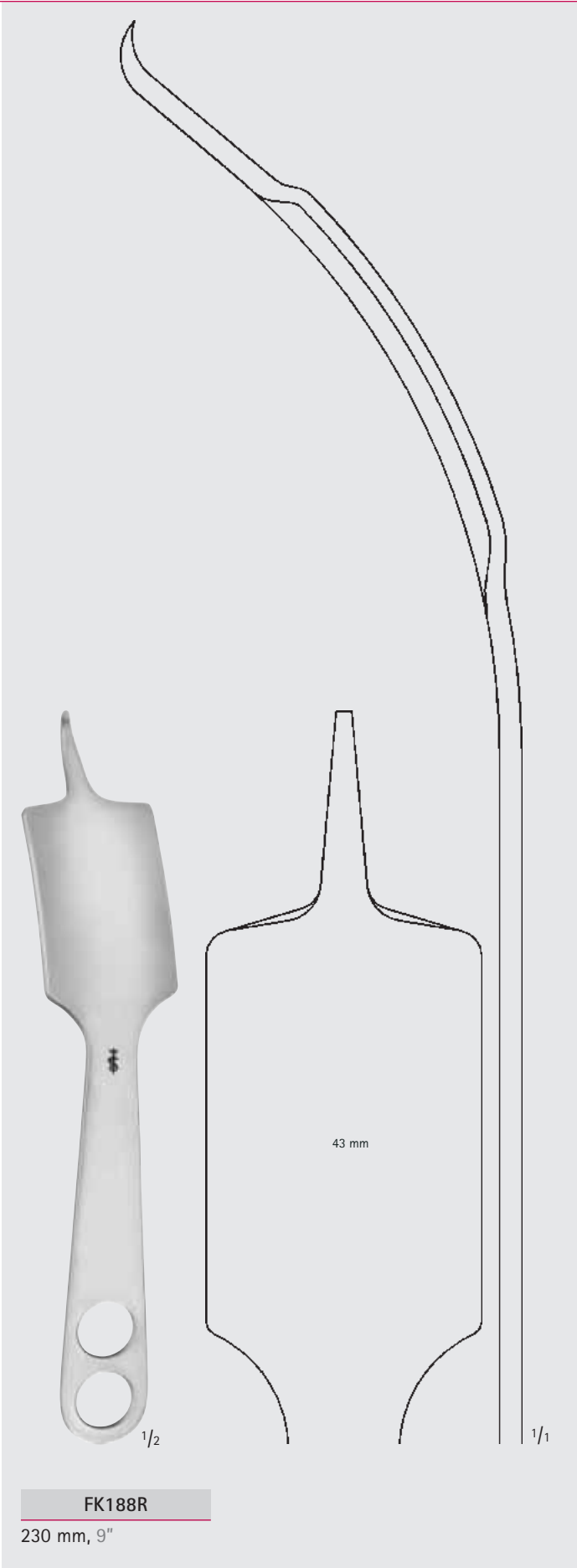
FK174R	240 mm	9 1/2"
FK175R	255 mm	10"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber  
Bone Levers

FK

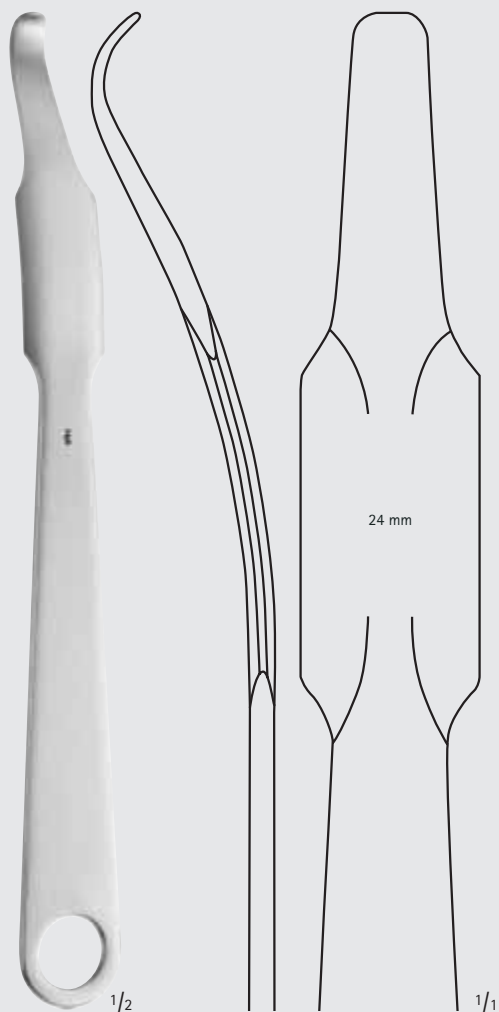


# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber

Bone Levers

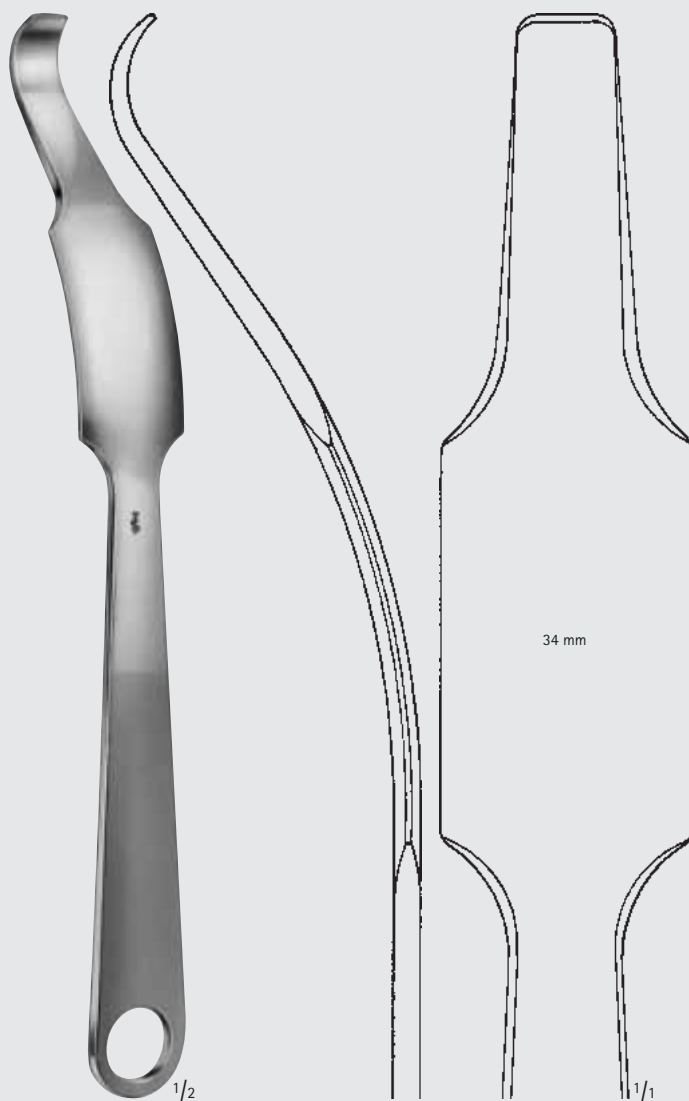
FK



HOHMANN

FK172R

260 mm, 10 1/4"



HOHMANN

FK173R

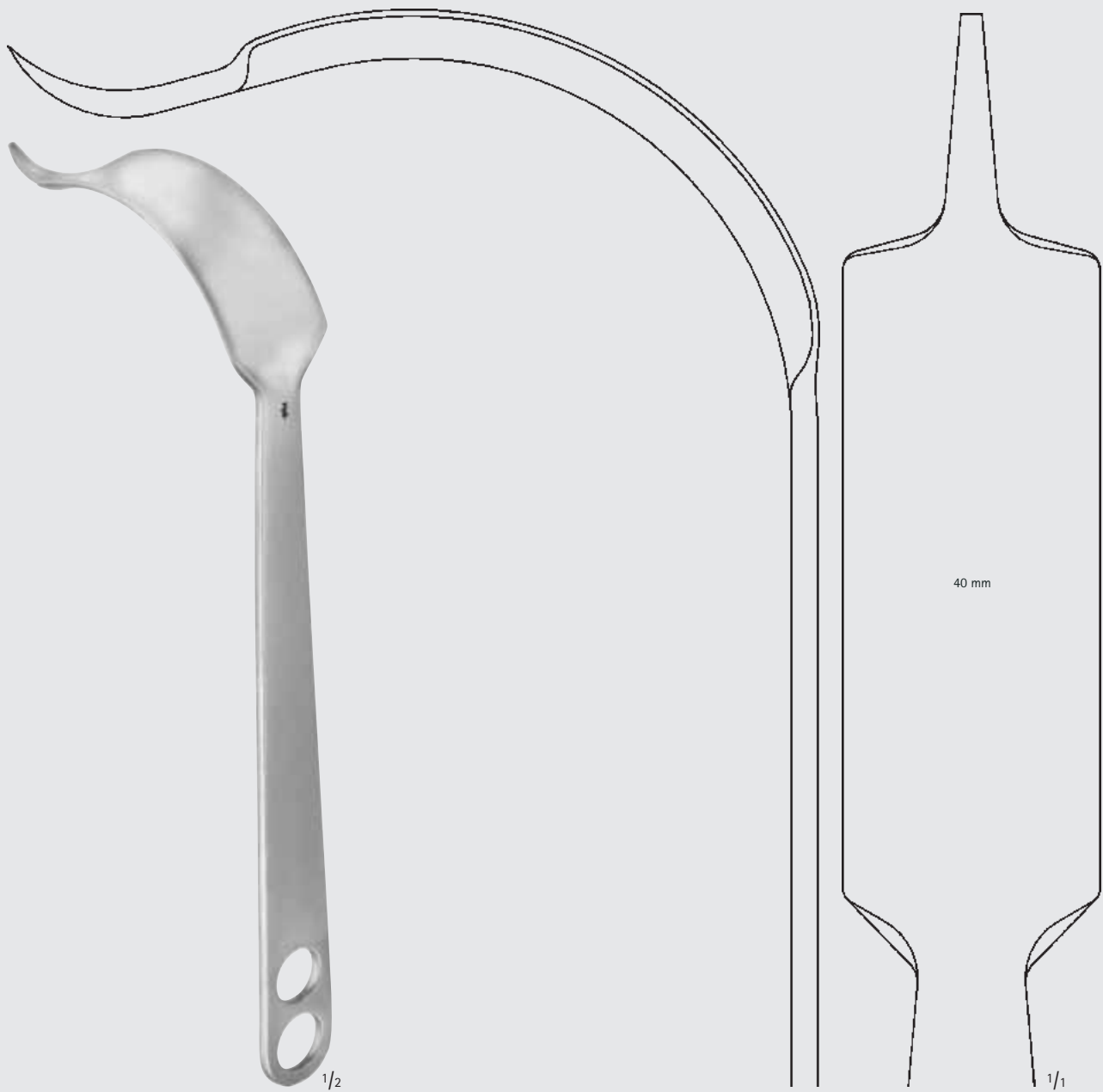
285 mm, 11 1/4"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber  
Bone Levers

FK



**FK189R**  
290 mm, 11 1/2"



MILLIMETERS

**Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes**

Knochenheber

Bone Levers

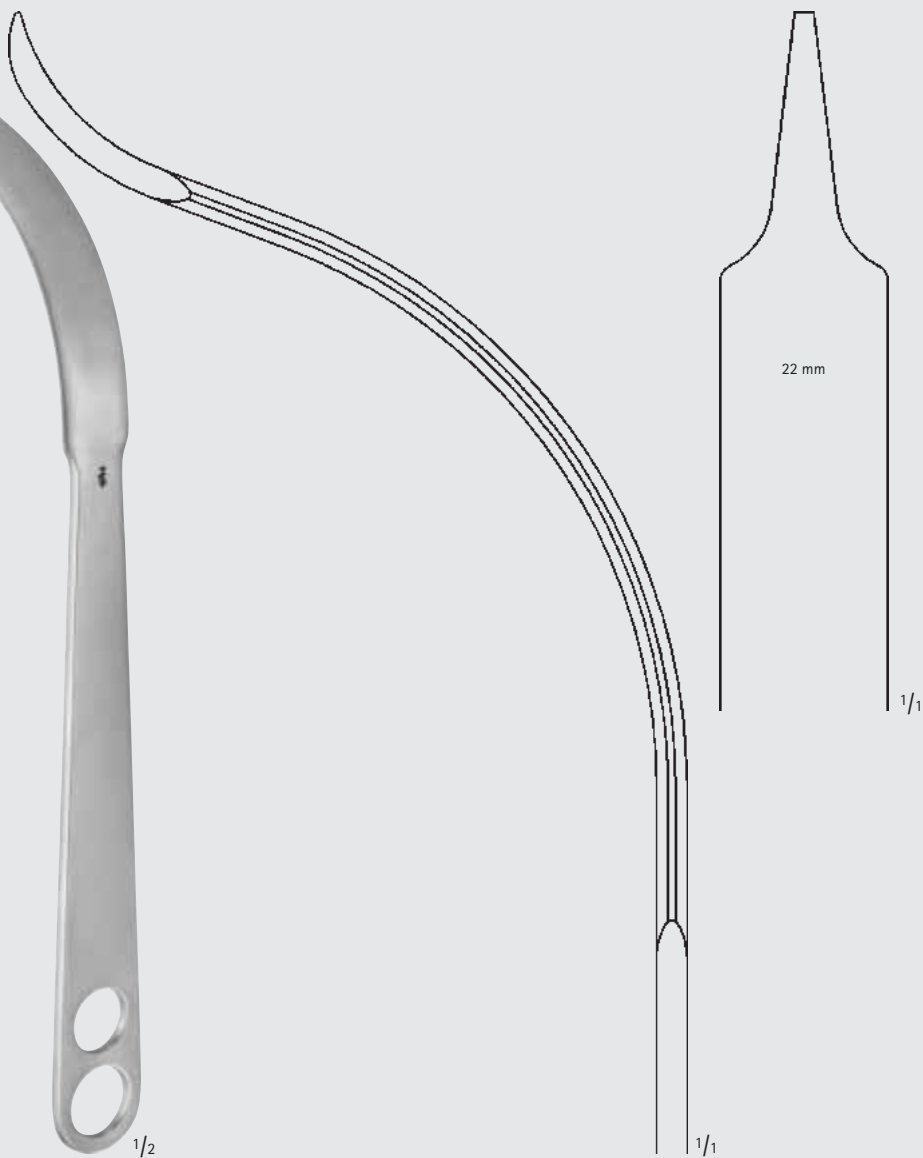
**FK**



1/2

**FK187R**

300 mm, 12"



22 mm

1/1

1/1

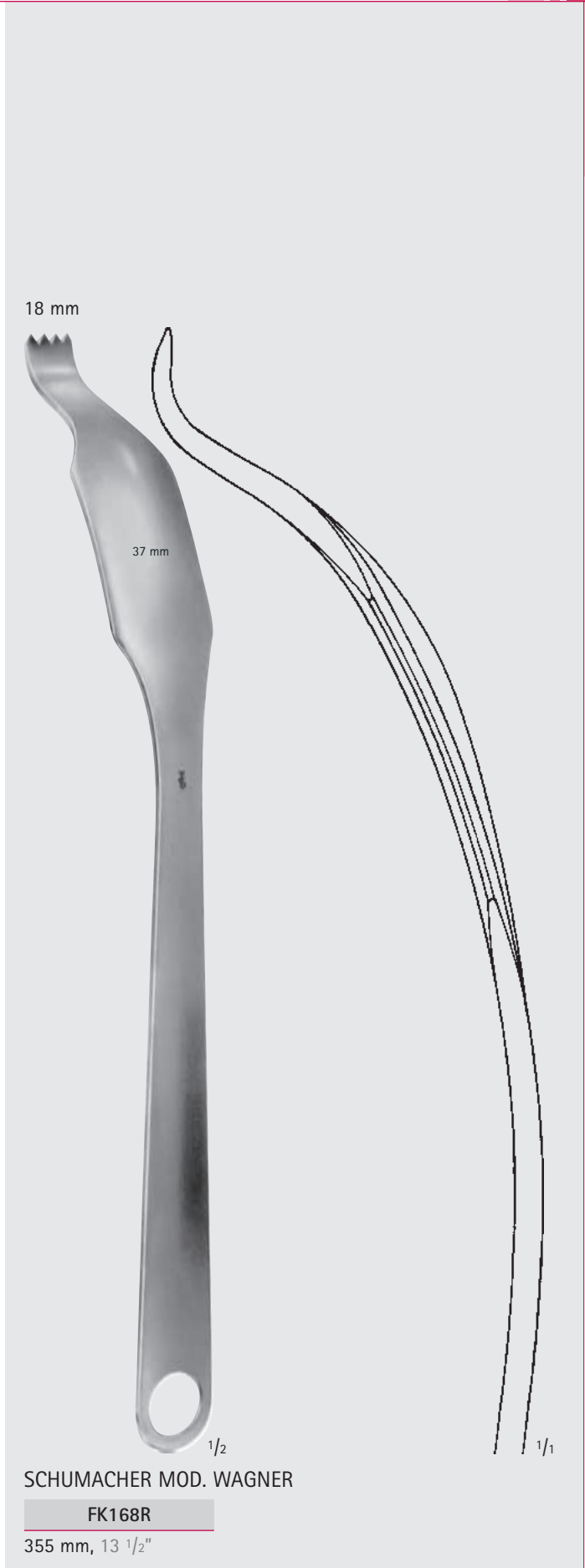
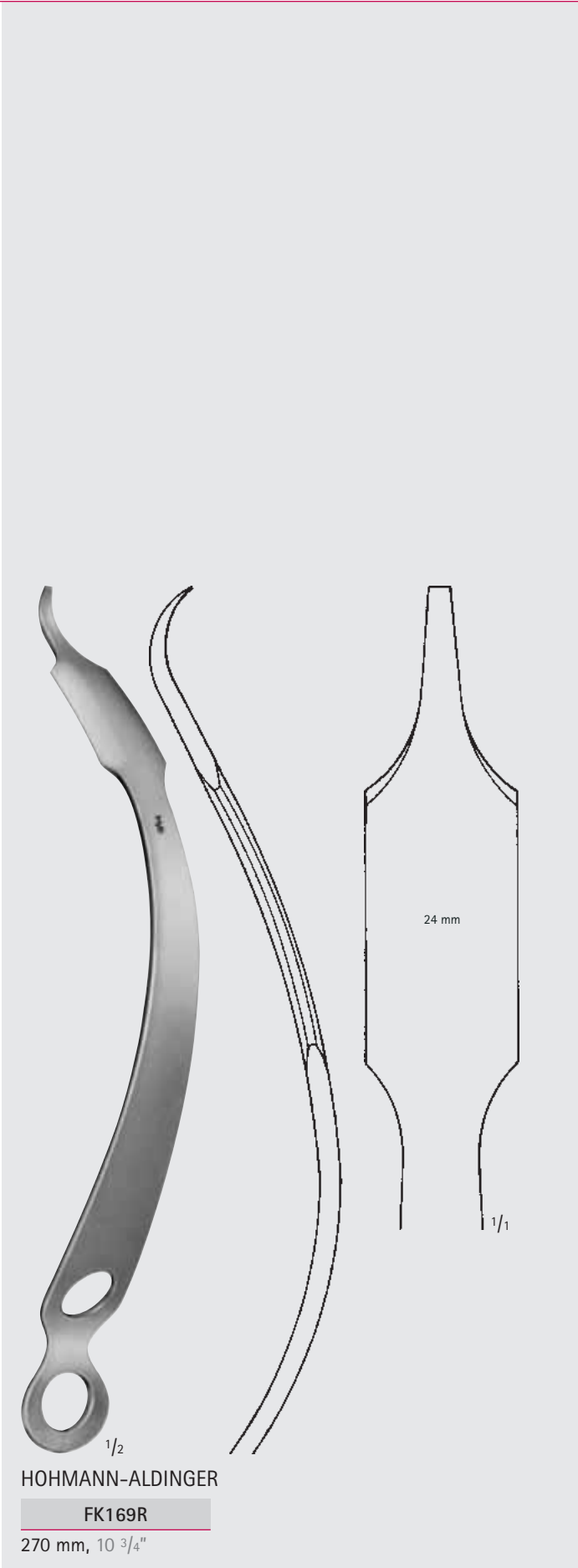




# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber  
Bone Levers

FK



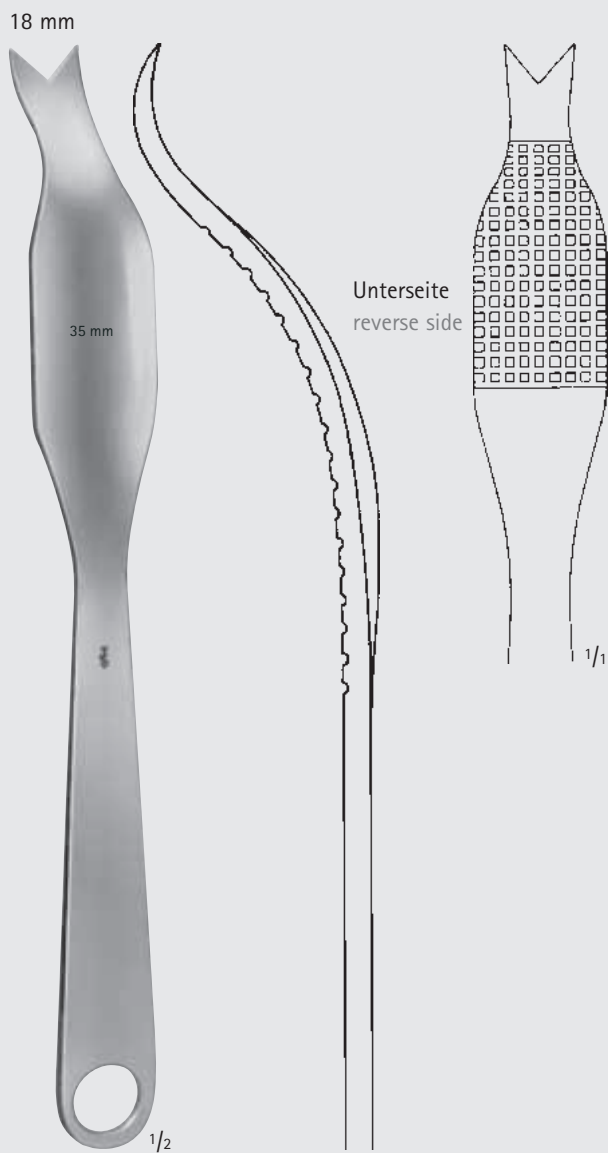
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochenheber, Spezial-Knochenheber

Bone Levers, Special Bone Levers

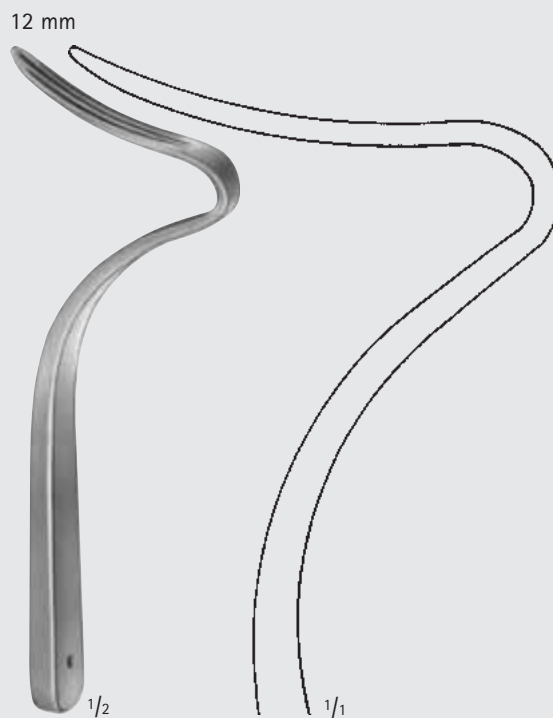
FK



SCHUMACHER

FK177R

290 mm, 11 1/2"



TÄGER

FK158R

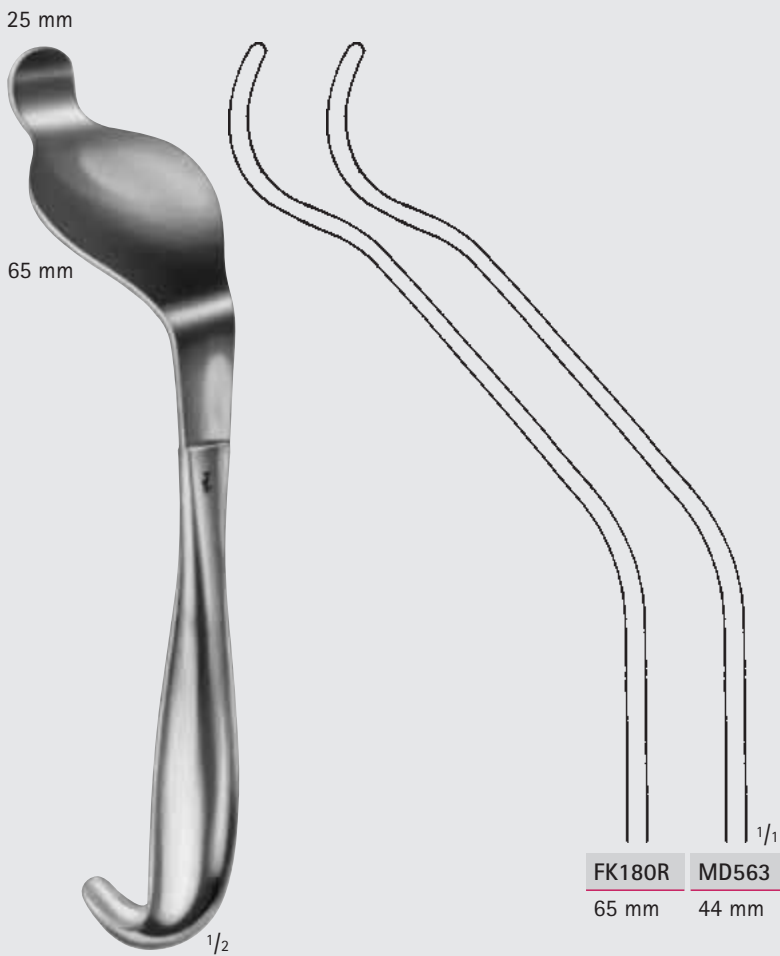
Knochenheber für Fußgelenkoperationen

Bone lever for angle joint operations

175 mm, 7"

Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes  
 Spezial-Knochenheber  
 Special Bone Levers

FK



BENNETT

FK180R-MD563

235 mm, 9 1/4"



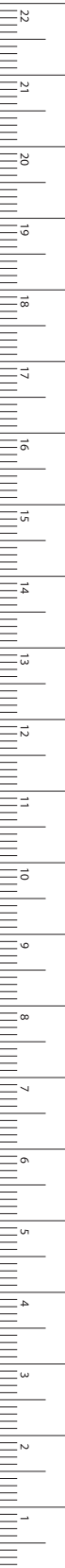
MURPHY-LANE

FK193R

Luxationsheber

Luxation lever

330 mm, 13 1/8"

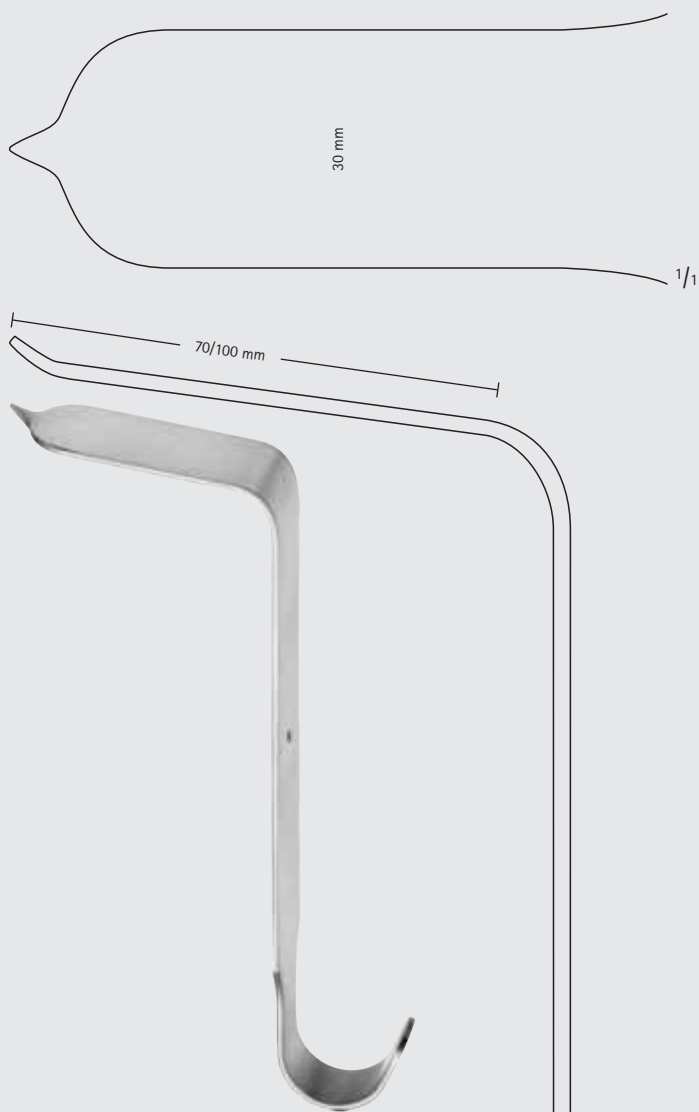


# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Retraktoren

Retractors

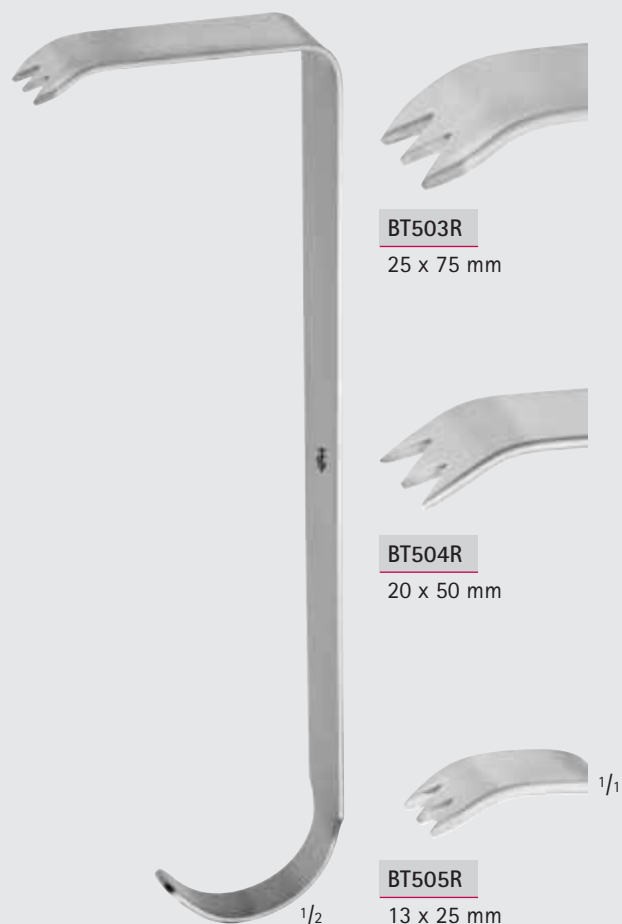
FK



TAYLOR

Blattgröße:  
Blade size:

BT501R	30 x 70 mm	185 mm	7 1/4"
BT502R	30 x 100 mm	200 mm	8"



HIBBS

BT503R–BT505R

235 mm, 9 1/8"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren  
MIOS Retractors

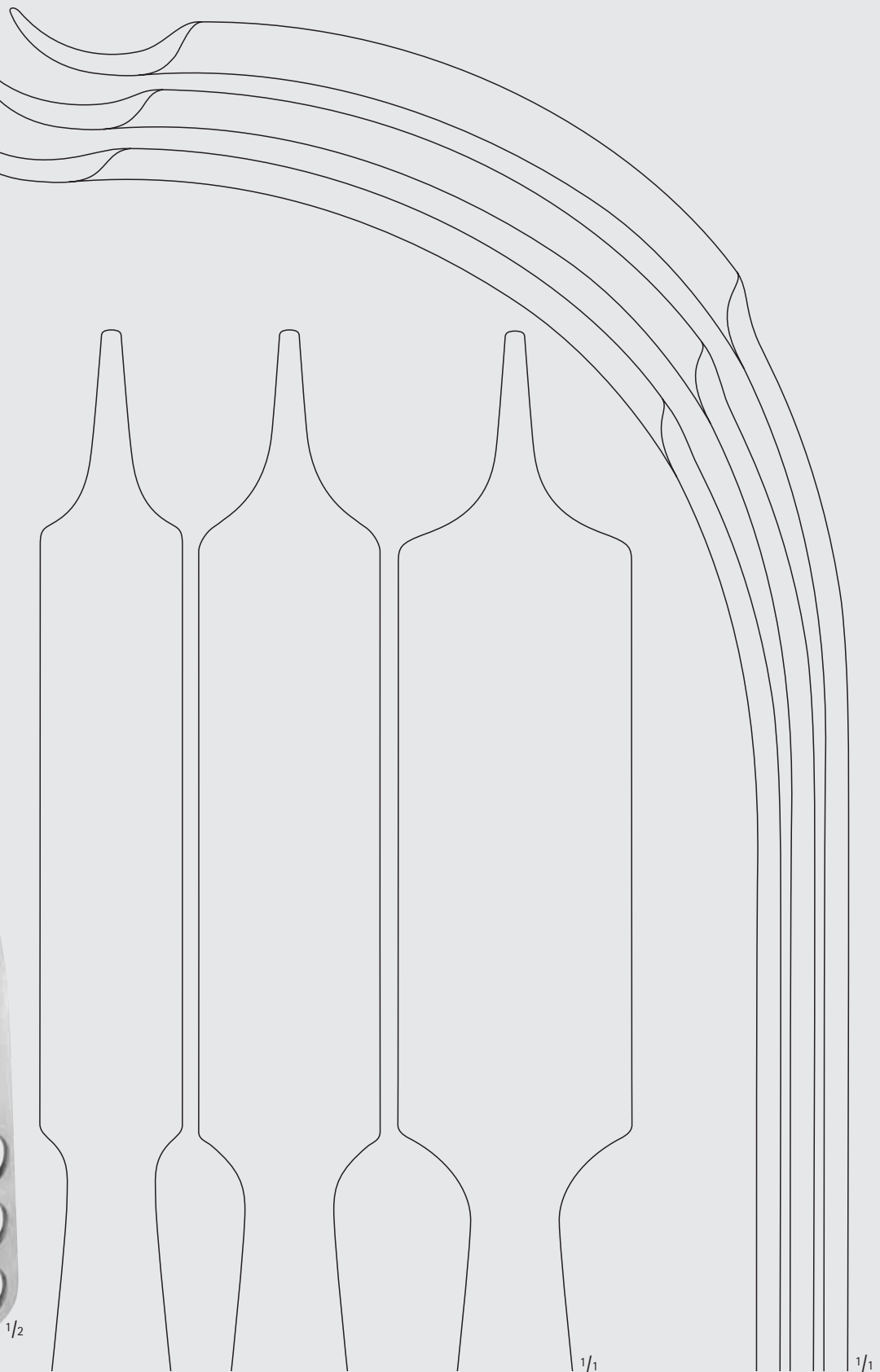
**FK**

90°

FK213R

FK212R

FK211R



MILLIMETERS

FK211R-FK213R

scharfe Spitze  
sharp tip  
240 mm, 9 1/2"

FK211R

22 mm

FK212R

28 mm

FK213R

40 mm

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

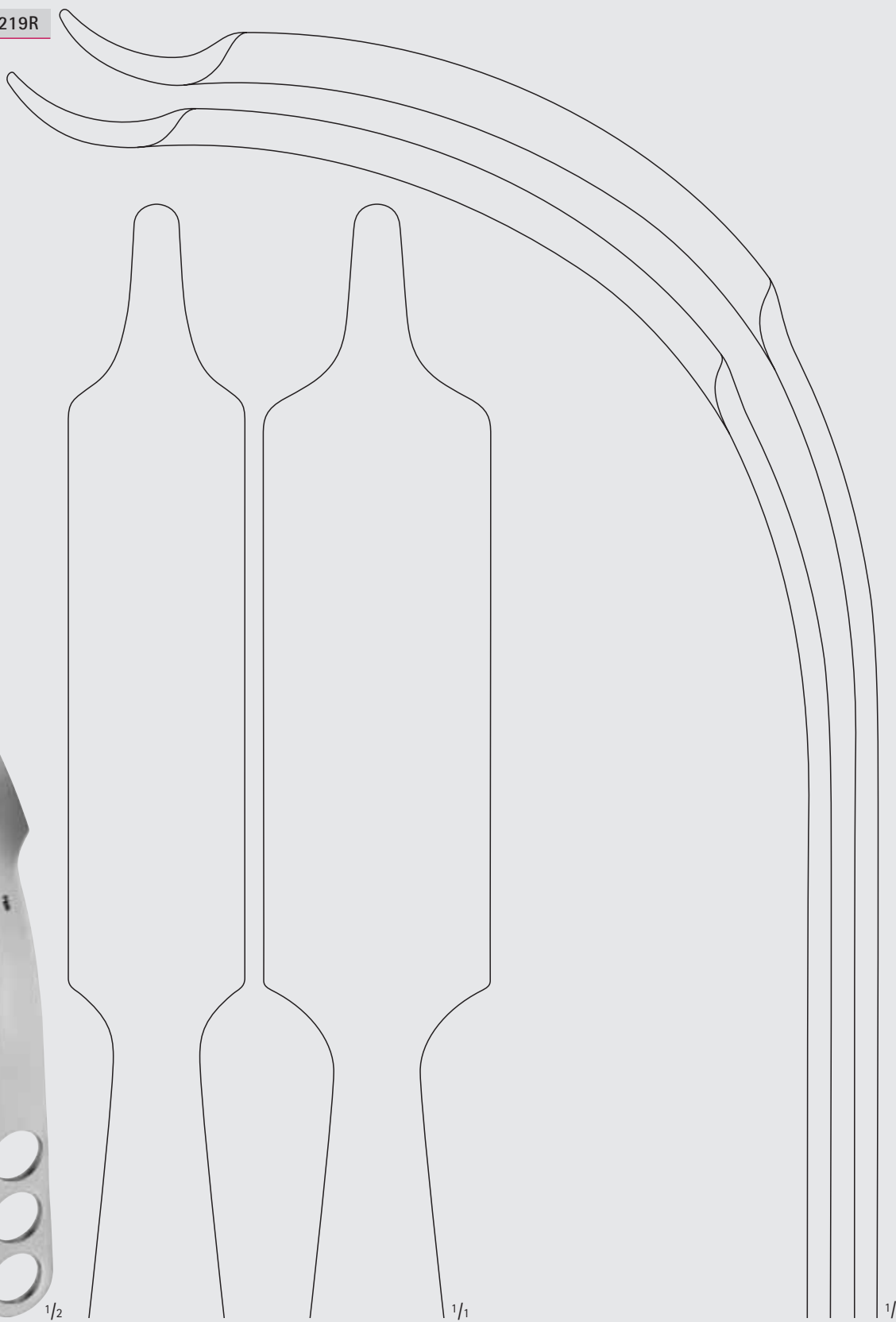
MIOS Retractors

FK

90°

FK219R

FK218R



1/2

1/1

1/1

FK218R-FK219R

FK218R

28 mm

FK219R

40 mm

stumpfe Spitze

blunt tip

240 mm, 9 1/2"

INCHES



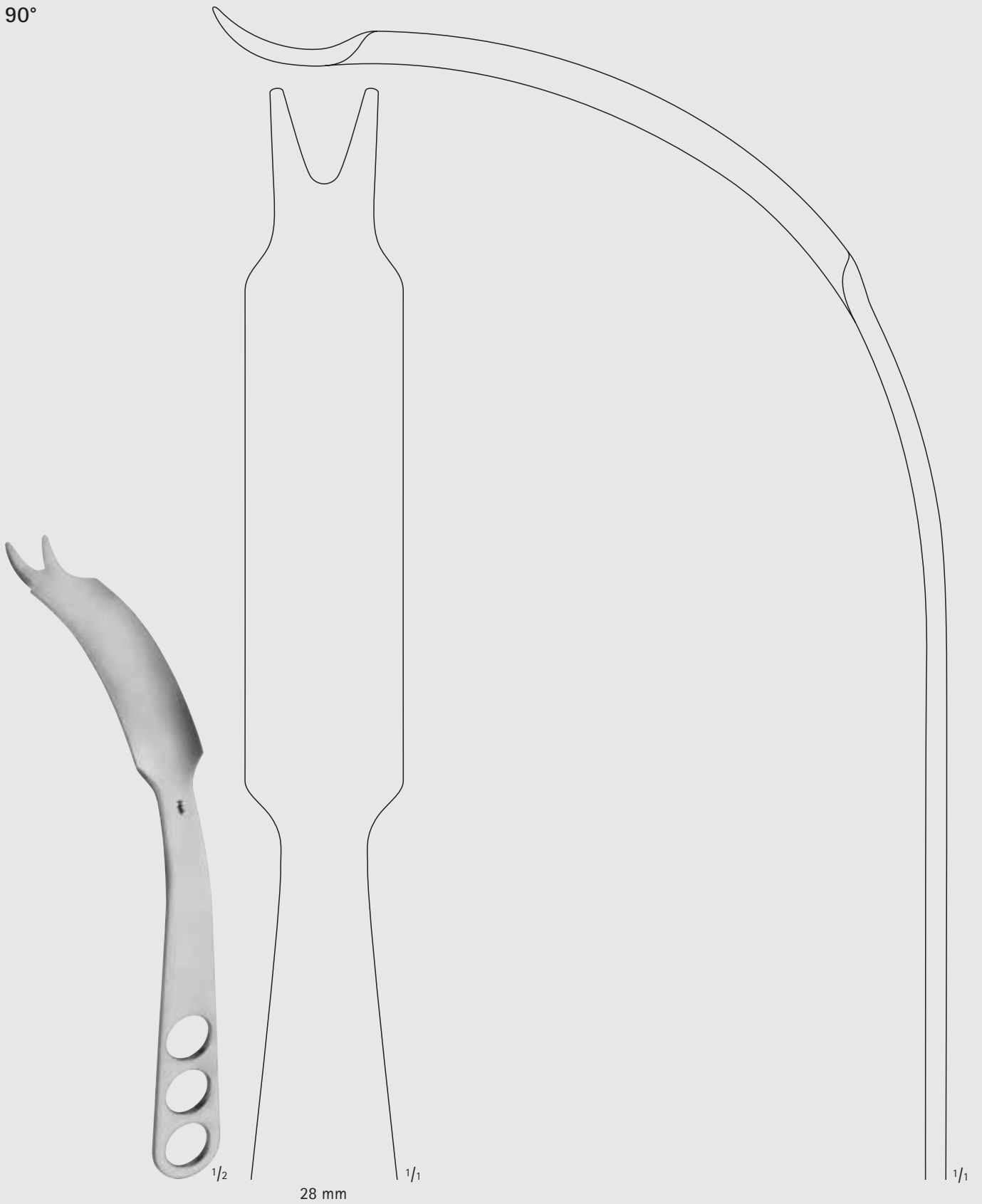
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

MIOS Retraktoren

MIOS Retractors

**FK**

90°



**FK224R**

V-Spitze

V-tip

240 mm, 9 1/2"

MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

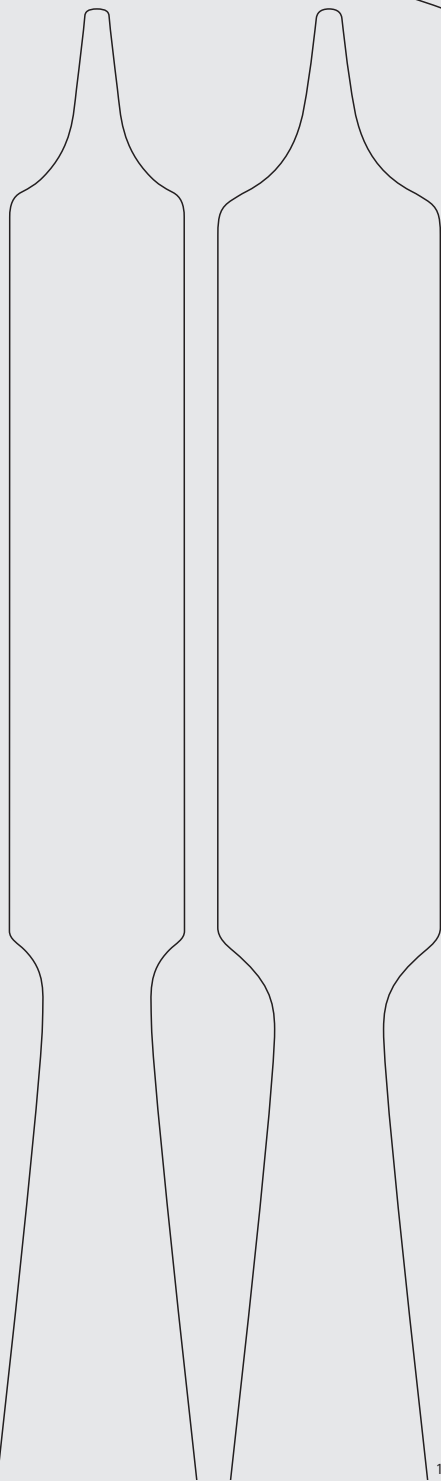
90°

FK214R

FK215R



1/2



FK214R

22 mm

FK215R

28 mm

1/1

1/1

FK214R-FK215R

kurze Spitze

short tip

240 mm, 9 1/2"

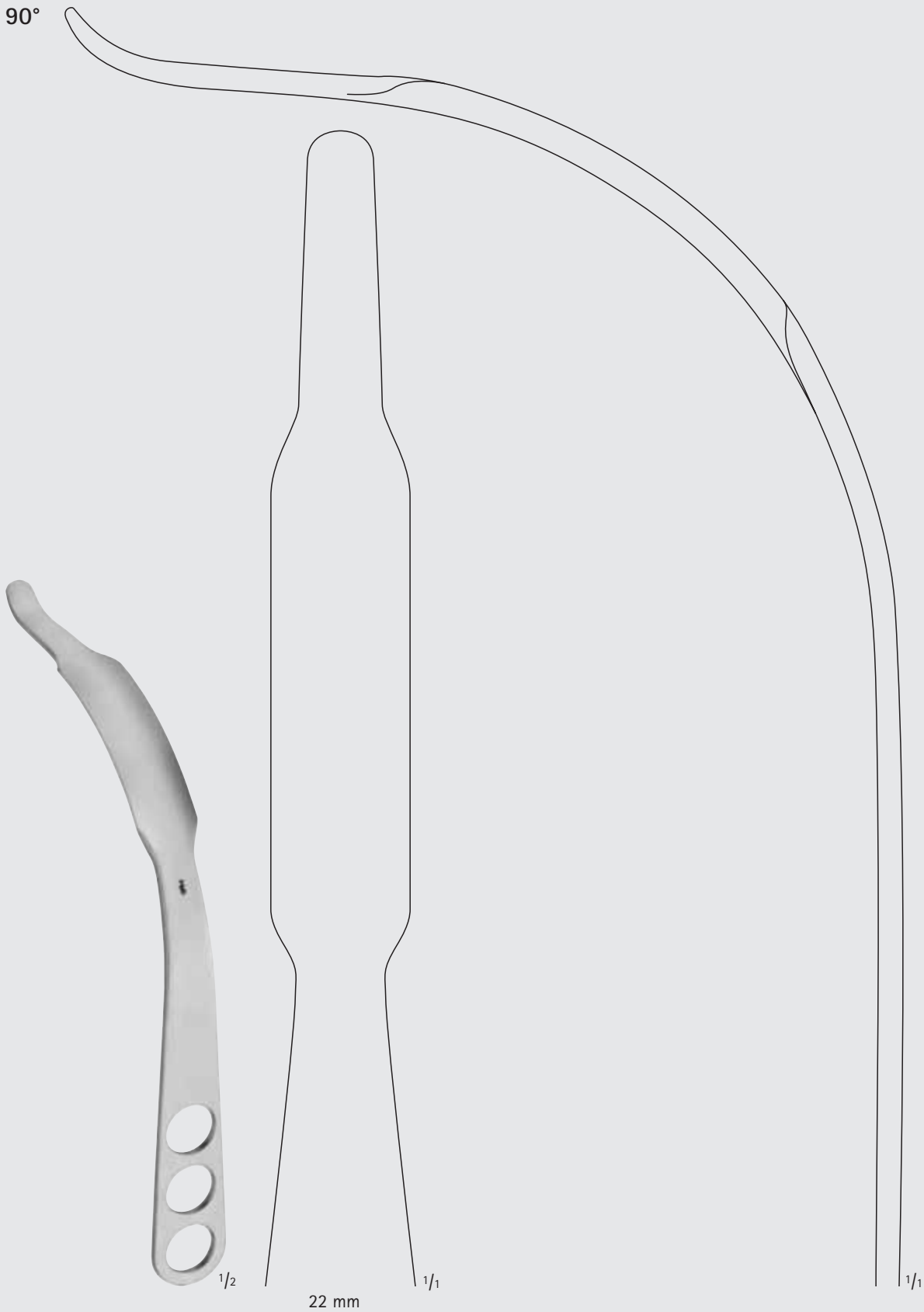
INCHES





Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes  
MIOS Retraktoren  
MIOS Retractors

FK



FK239R

Schenkelhals-Spitze  
femoral neck tip  
240 mm, 9 1/2"

MILLIMETERS

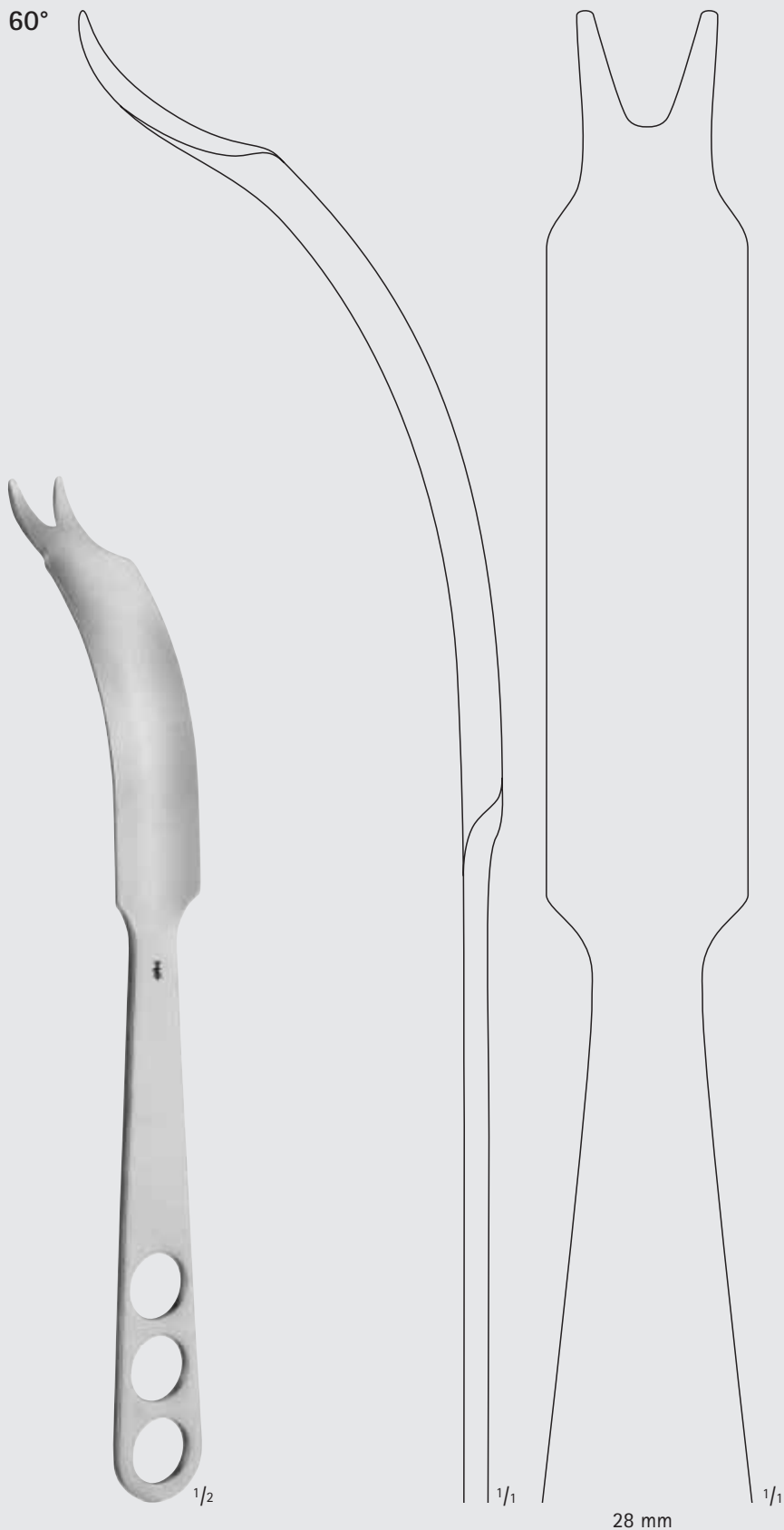
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

FK

60°



FK223R

V-Spitze

V-tip

300 mm, 12"



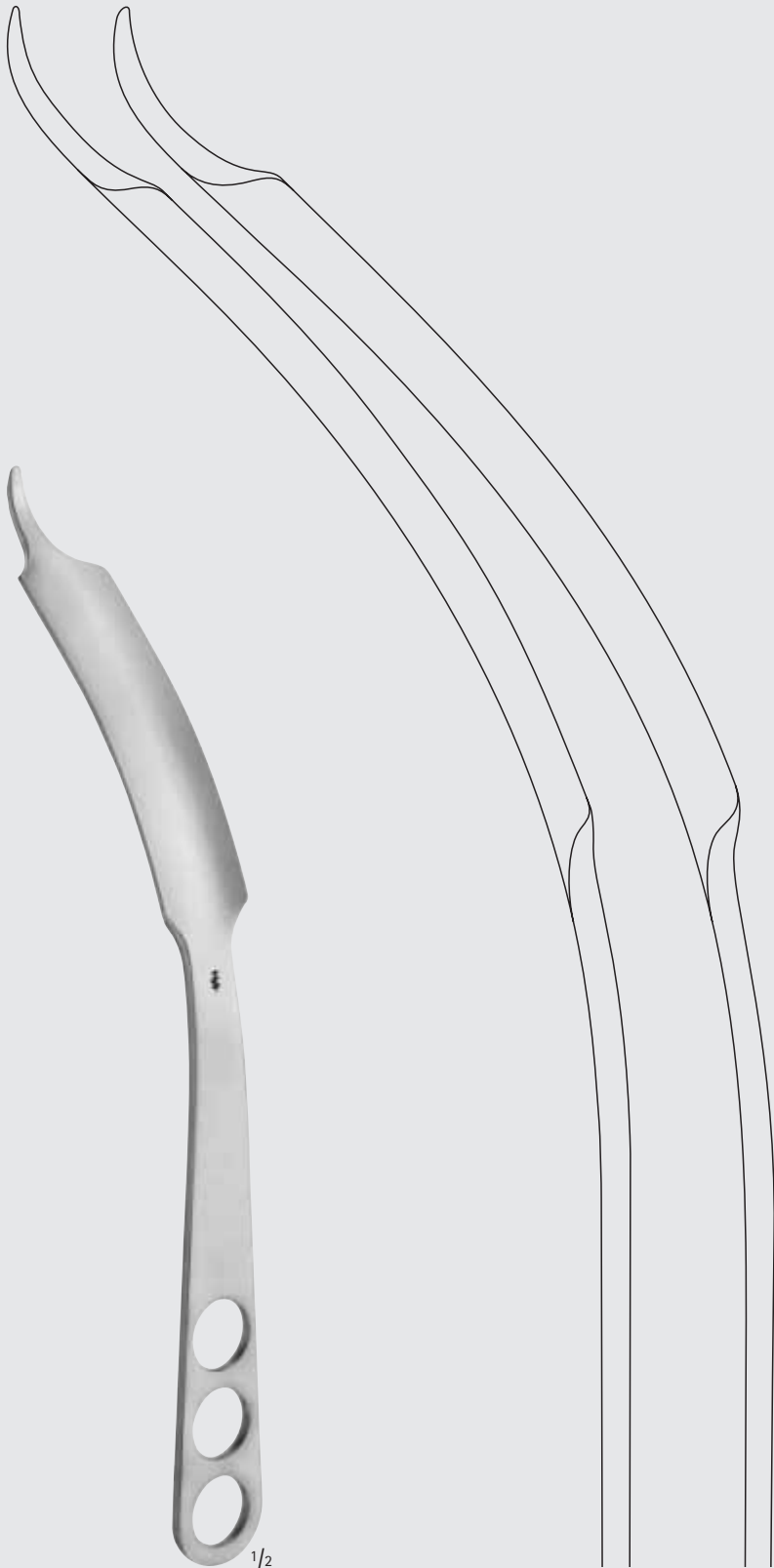
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

FK

45°



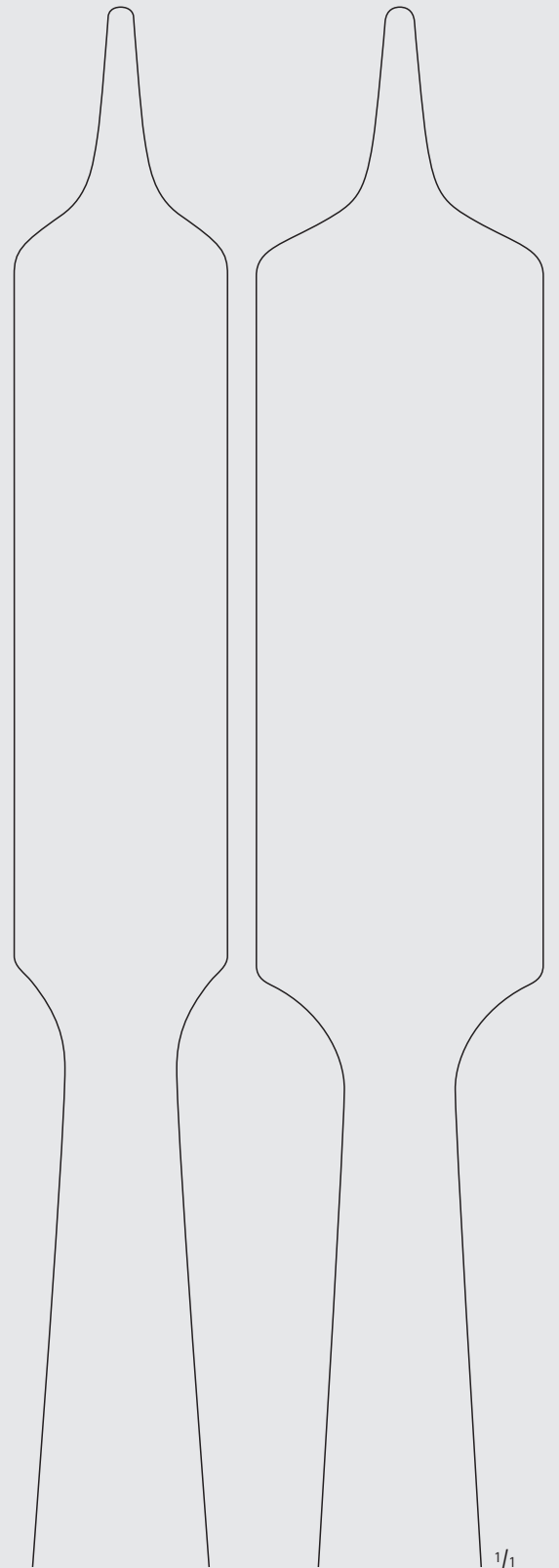
1/2

FK243R-FK245R

scharfe Spitze

sharp tip

300 mm, 12"



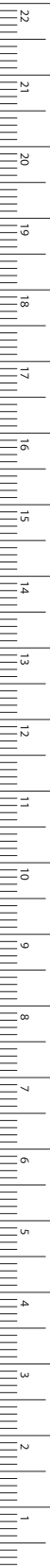
FK243R

28 mm

FK245R

40 mm

1/1



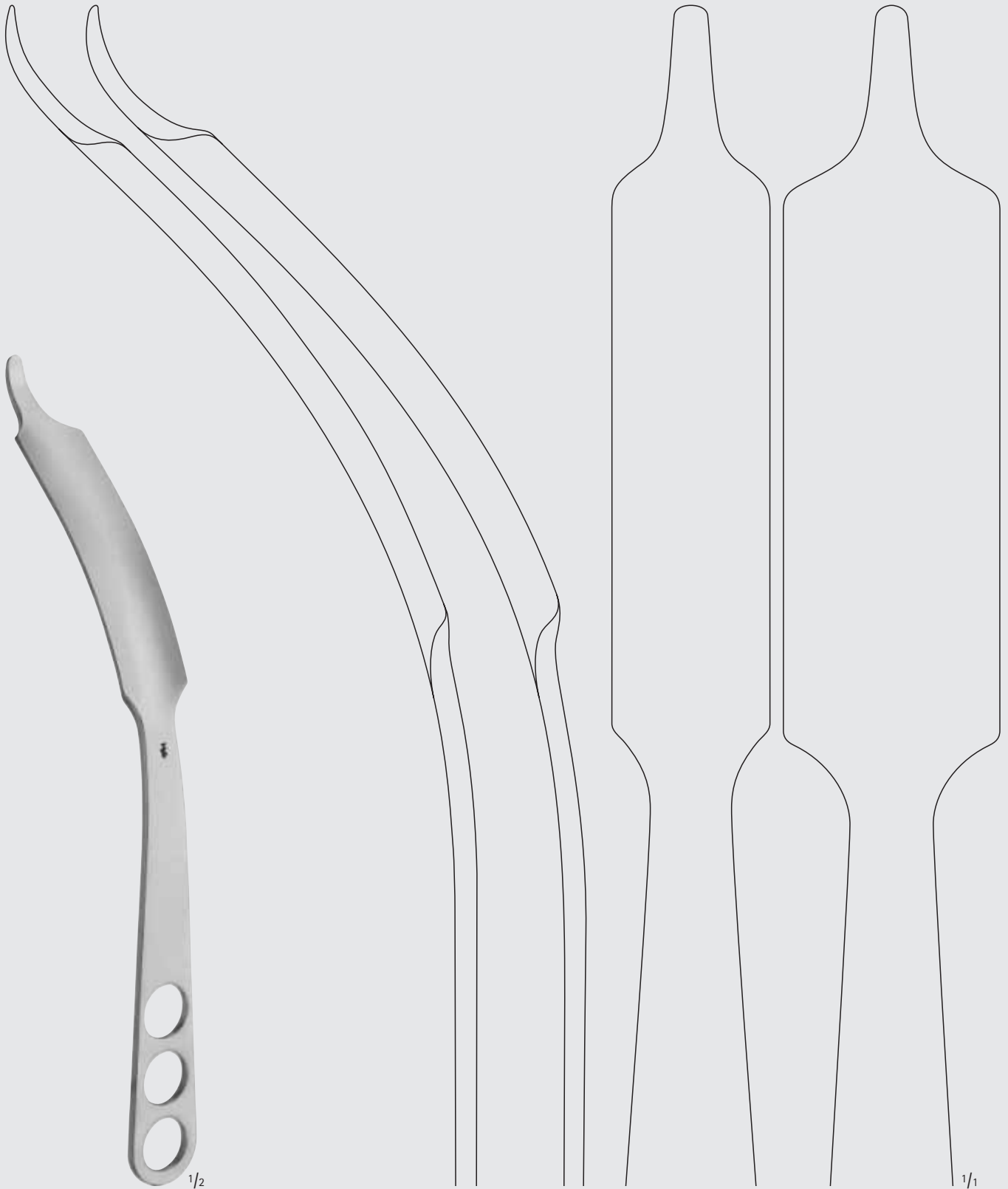
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

45°



**FK244R-FK246R**

stumpfe Spitze

blunt tip

300 mm, 12"

**FK244R**

28 mm

**FK246R**

40 mm



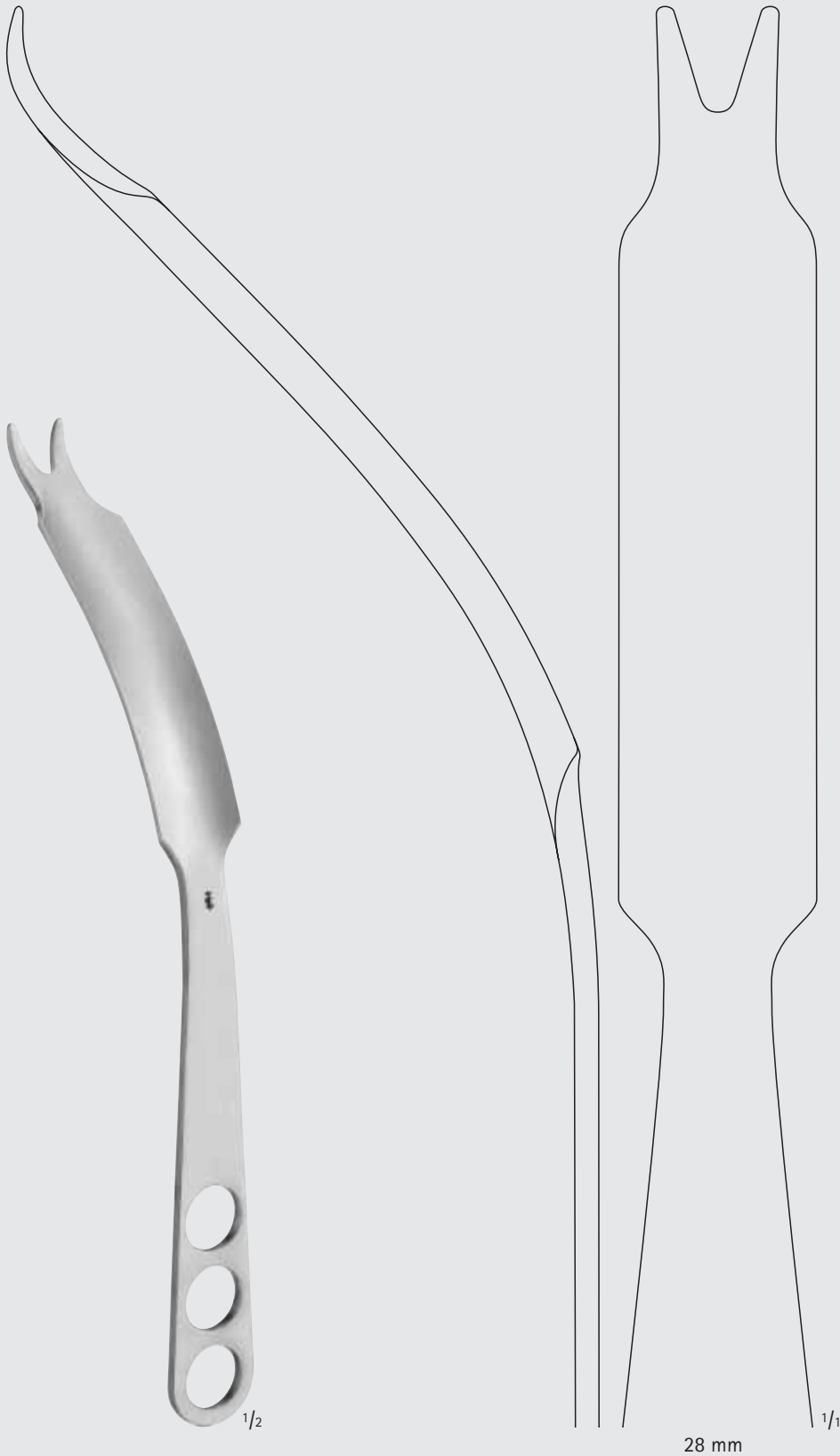
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

**EK**

45°



**FK222R**

V-Spitze

V-tip

300 mm, 12"

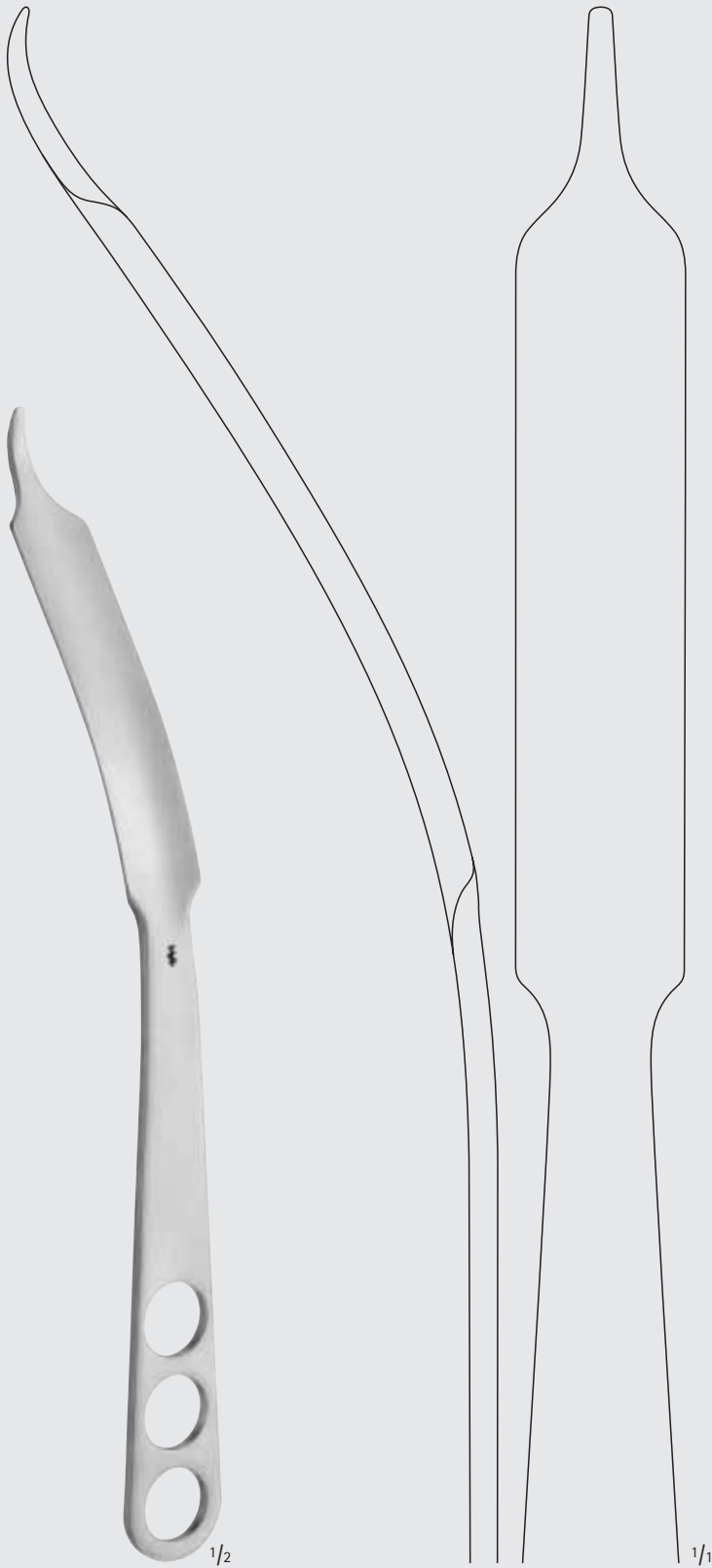


# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

30°



FK241R

scharfe Spitze

sharp tip

315 mm, 12 1/2"

22 mm

1/1

INCHES



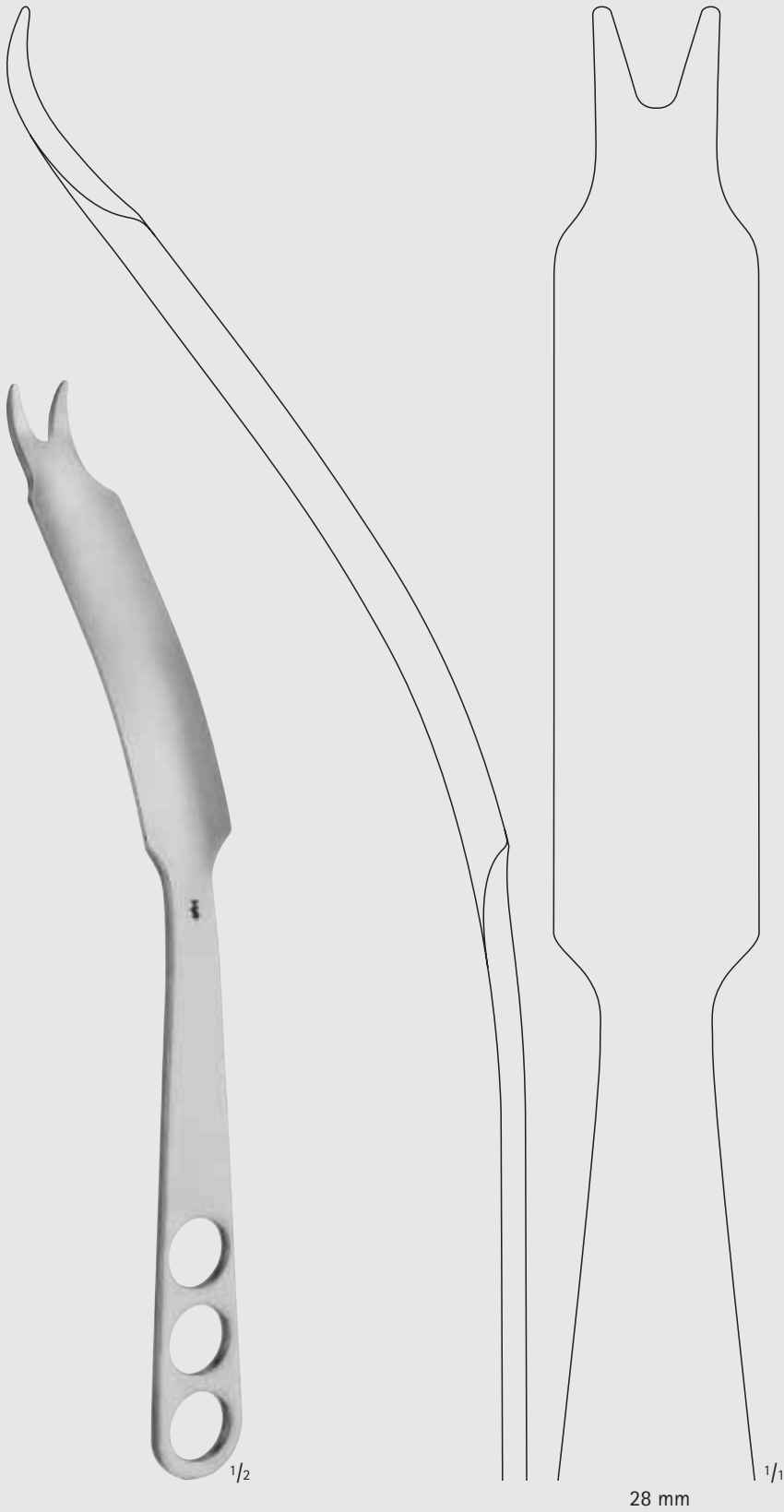
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

MIOS Retraktoren

MIOS Retractors

**EK**

30°

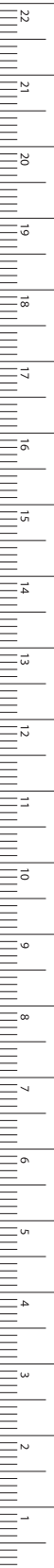


**FK221R**

V-Spitze

V-tip

315 mm, 12 1/2"



MILLIMETERS

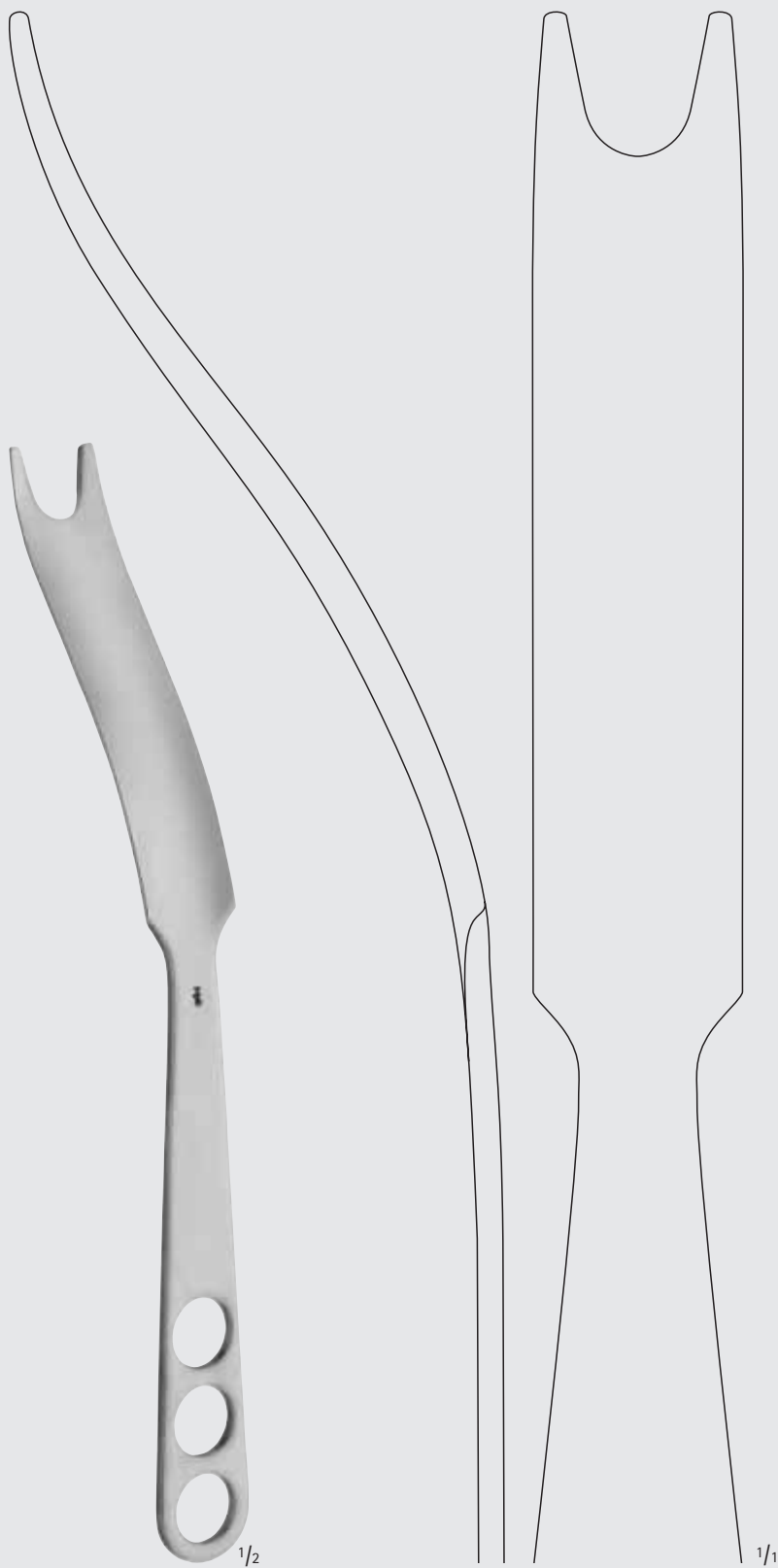
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

FK

30°



FK231R

U-Spitze

U-tip

315 mm, 12 1/2"





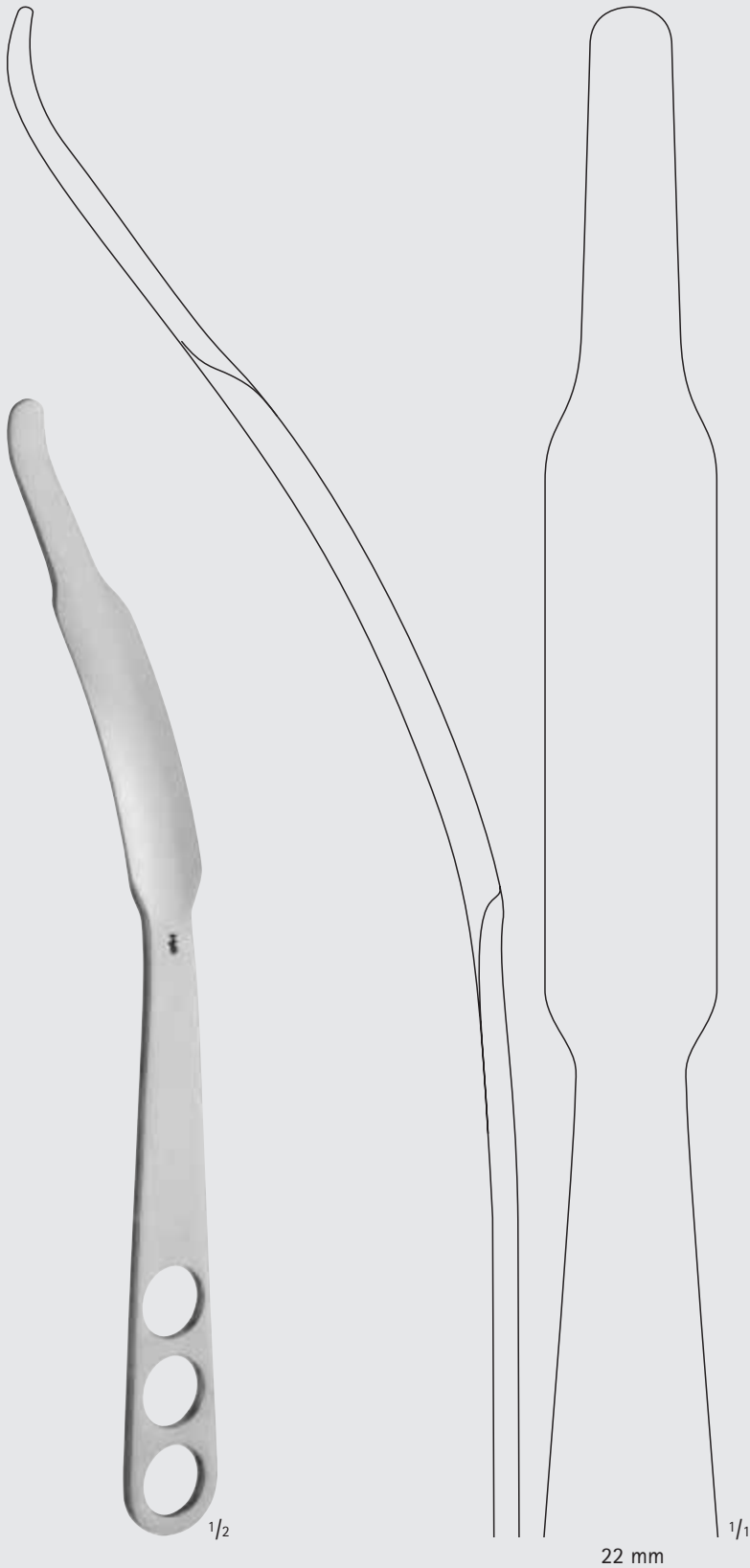
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

MIOS Retraktoren

MIOS Retractors

FK

30°



**FK238R**

Schenkelhals-Spitze

femoral neck tip

315 mm, 12 1/2"



**Farbige MIOS Standardgriffe**

Die farbigen Griffe können zur intraoperativen Zuordnung der MIOS Instrumente verwendet werden.

**Colored MIOS standard hand grips**

The colored hand grips can be used for the intra-operative allocation of the MIOS instruments.



1/2

**FK251**

MIOS Standardgriff

MIOS standard hand grip



1/2

**FK252**

MIOS Standardgriff

MIOS standard hand grip



1/2

**FK253**

MIOS Standardgriff

MIOS standard hand grip



1/2

**FK254**

MIOS Standardgriff

MIOS standard hand grip



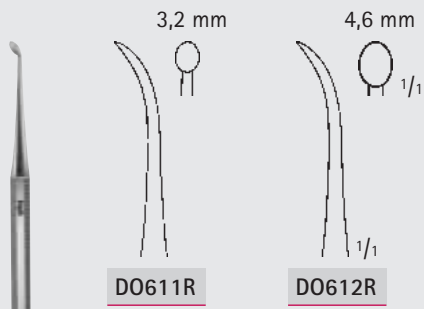
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien

Raspatories

FK



DO611R

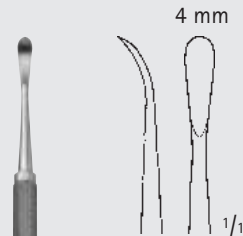
DO612R

1/2

PARTSCH

DO611R-DO612R

150 mm, 6"

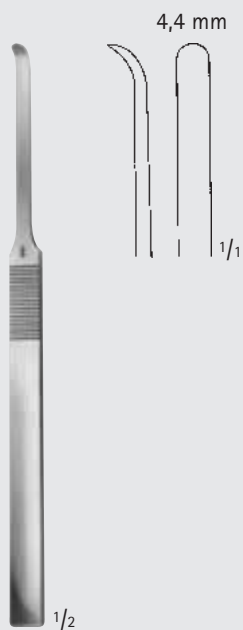


1/2

PARTSCH MOD. LANGE

DO642R

145 mm, 5 3/4"

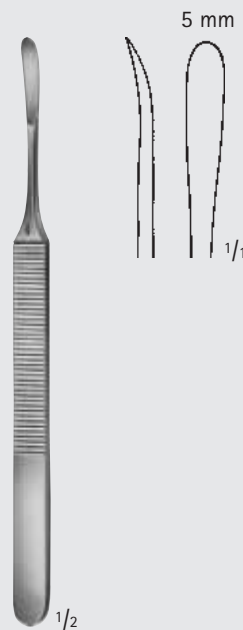


1/2

MC KENTY

OL192R

115 mm, 6"



1/2

KÖNIG

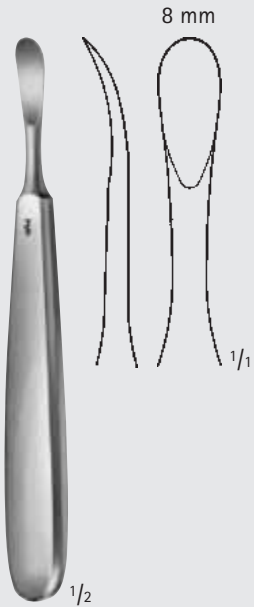
OM309R

155 mm, 6"

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Crettes

Raspatorien  
Raspatories

**FK**



TRELAT

**OM311R**

150 mm, 6"

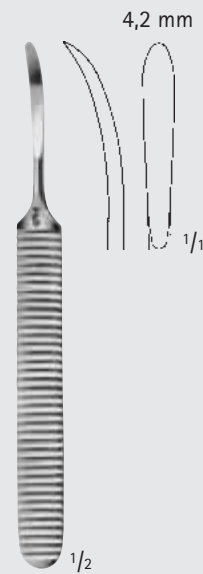


**OM314R**

**OM315R**

**OM314R-OM315R**

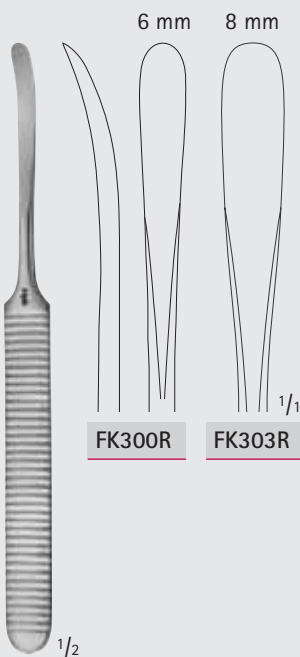
140 mm, 5 1/2"



WILLIGER

**D0510R**

140 mm, 5 1/2"



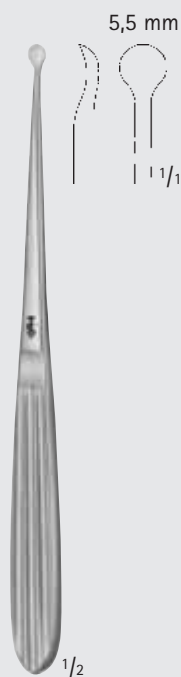
**FK300R**

**FK303R**

WILLIGER

**FK300R-FK303R**

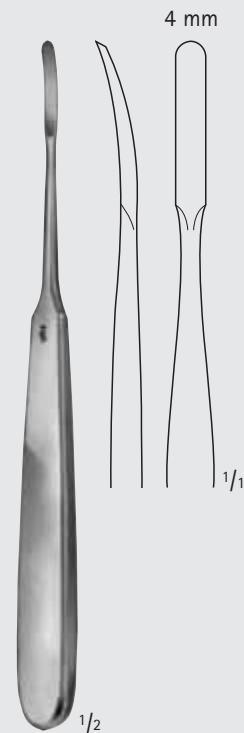
160 mm, 6 1/4"



WARD

**D0546R**

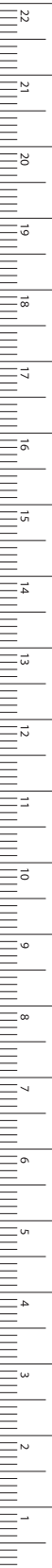
170 mm, 6 3/4"



JOSEPH

**FK310R**

180 mm, 7"



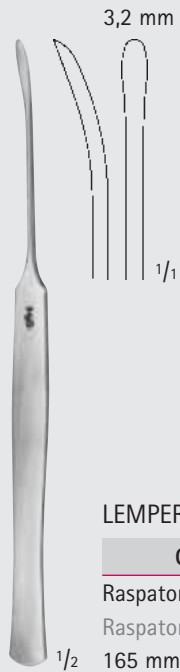
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien

Raspatories

FK



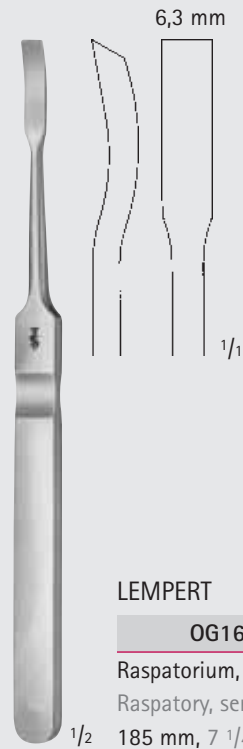
LEMPERT

**OG165R**

Raspatorium, stumpf

Raspatory, blunt

165 mm, 6 1/2"



LEMPERT

**OG164R**

Raspatorium, halbscharf

Raspatory, semi-sharp

185 mm, 7 1/4"



ALLEN

**FF346R**

Osteophytenmeißel und Schaber

Osteophyte chisel and scraper

230 mm, 9"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Raspatorien  
Raspatories

**EK**

3,3 mm

1/1

**HALLE**  
**OL160R**

stumpf  
blunt

1/2 180 mm, 7"

4 mm

1/1

**FREER**  
**OL163R**

stumpf  
blunt

1/2 190 mm, 7 1/2"

4 mm

1/1

**FREER**  
**OL162R**

scharf  
sharp

1/2 190 mm, 7 1/2"

5,9 mm

1/1

**SEWALL**  
**OL198R**

stumpf  
blunt

1/2 200 mm, 8"



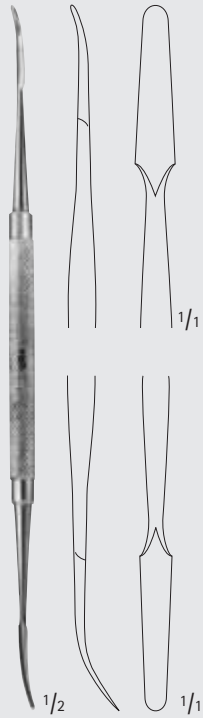
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien

Raspatories

FK



KILLIAN

**OL170R**

scharf/stumpf  
sharp/blunt

185 mm, 7 1/4"

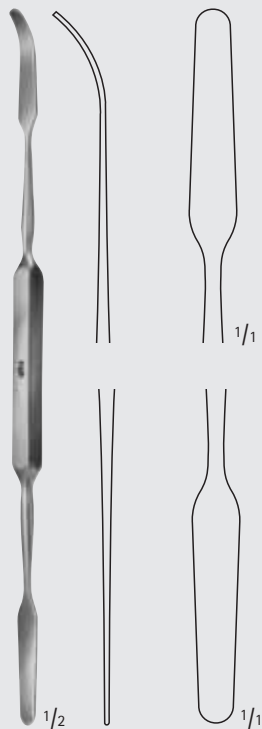


HOWARTH

**OL171R**

scharf/stumpf  
sharp/blunt

215 mm, 8 1/2"

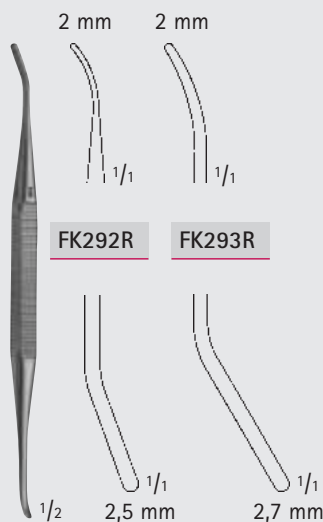


MAC DONALD

**FK291R**

stumpf/stumpf  
blunt/blunt

190 mm, 7 1/2"



WATSON-CHEYNE

**FK292R** 130 mm 5 1/8"

**FK293R** 190 mm 7 1/2"



FREER

**OL164R**

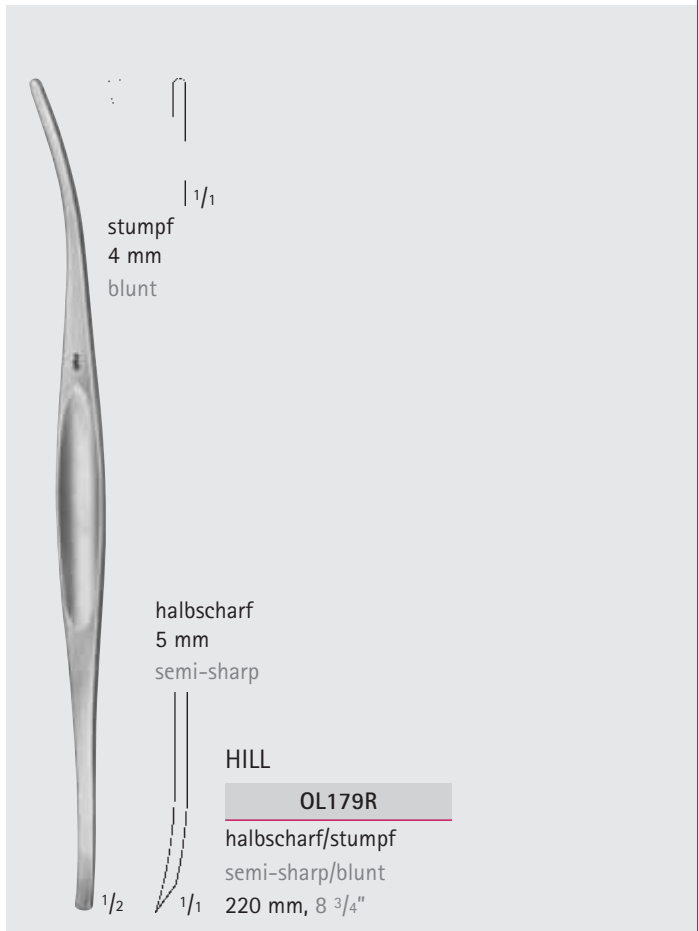
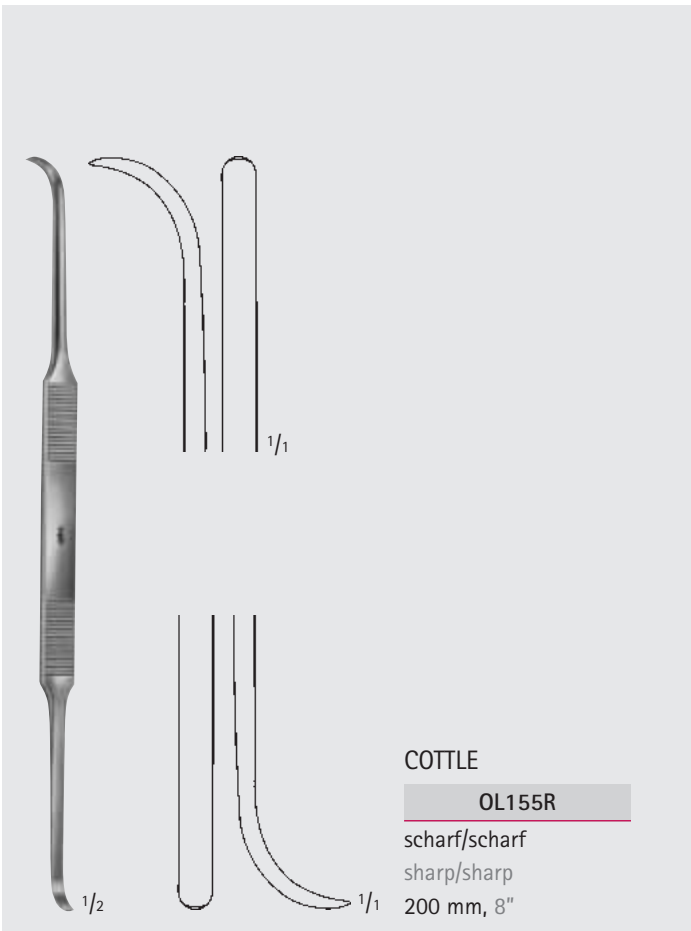
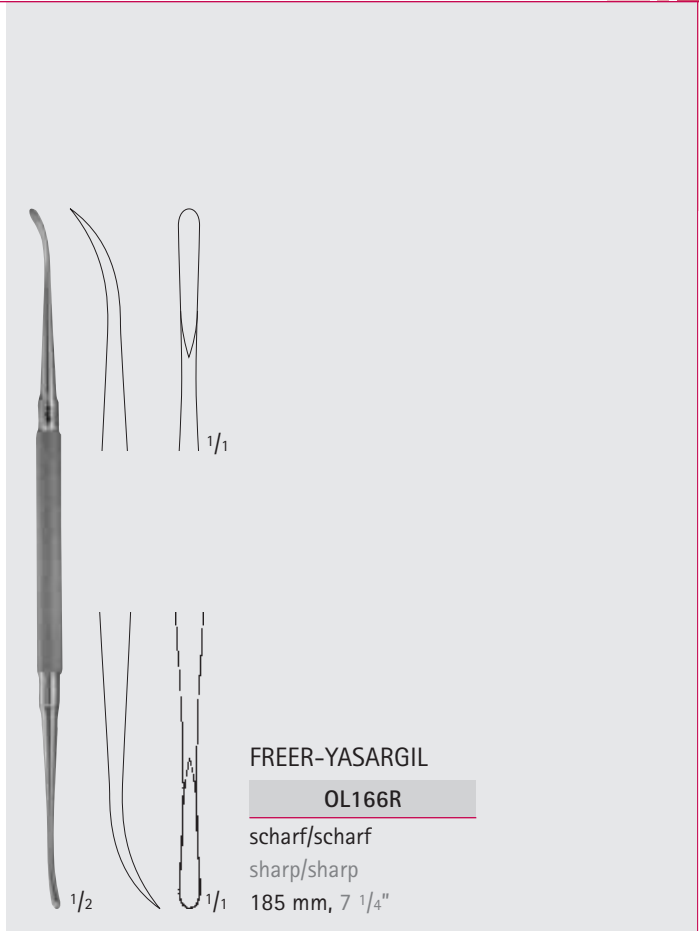
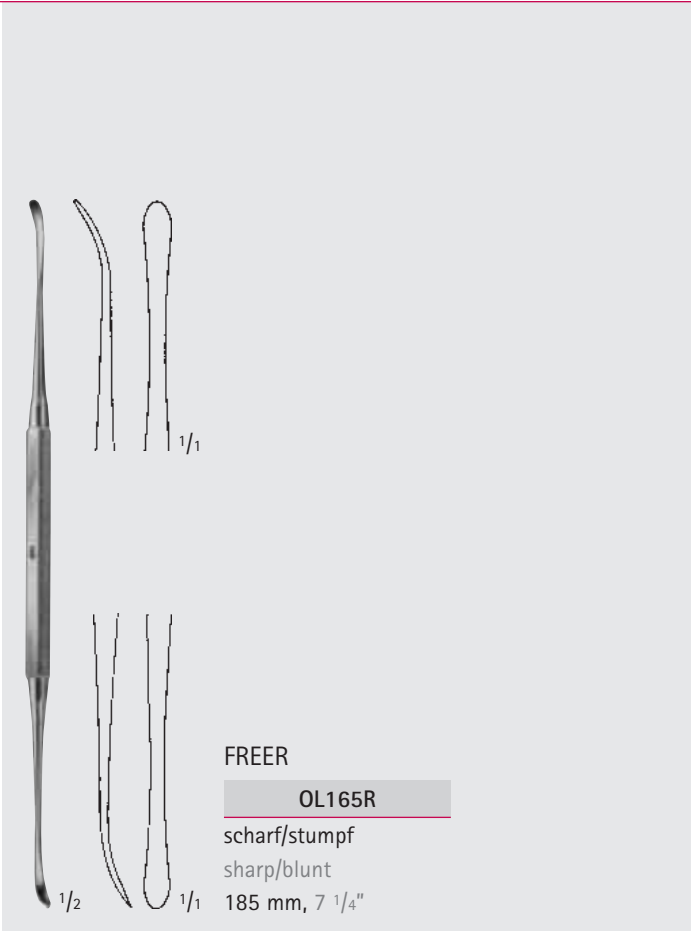
180 mm, 7"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Raspatorien  
Raspatories

**EK**



MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Raspatorien  
Raspatories

FK



MEAD

**DO520R**

scharf/scharf  
sharp/sharp  
165 mm, 6 1/4"



MOLT

**DO543R**

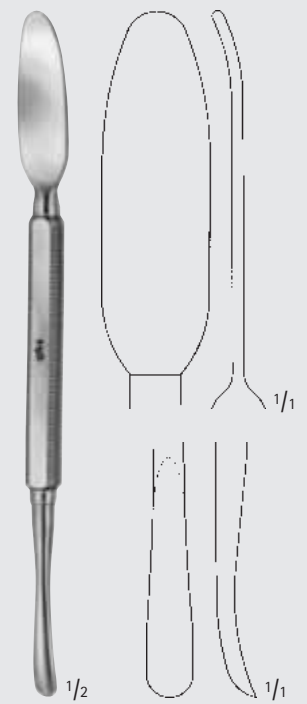
scharf/scharf  
sharp/sharp  
180 mm, 7"



SYME

**DO547R**

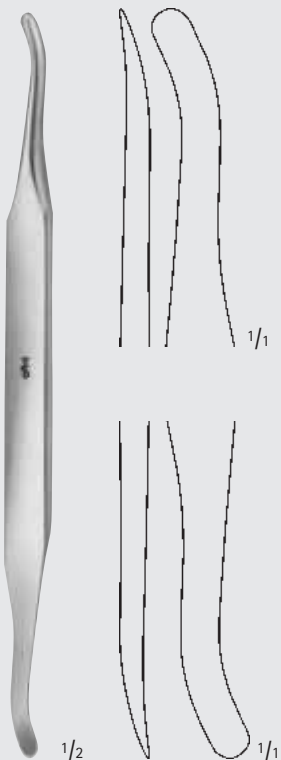
scharf  
sharp  
185 mm, 7 1/4"



ROBERTS

**DO548R**

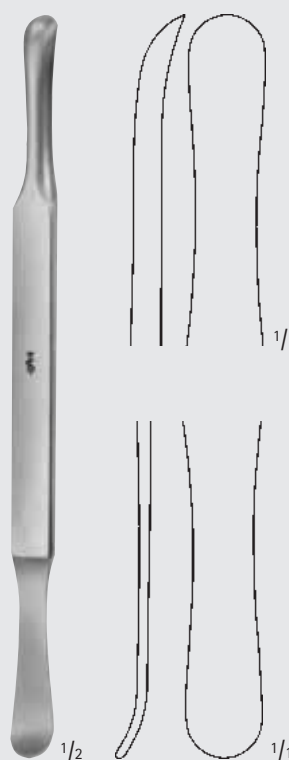
stumpf  
blunt  
185 mm, 7 1/4"



SELDIN

**DO552R**

195 mm, 7 3/4"



SELDIN

**DO553R**

195 mm, 7 3/4"

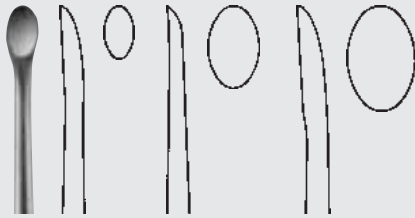




# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Crettes

Raspatorien  
Raspatories

FK



FK530R

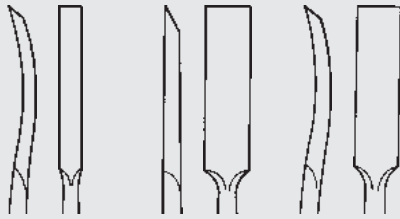
4 mm

FK532R

7 mm

FK534R

9 mm



FK541R

3 mm

FK542R

6 mm

FK543R

6 mm



FK552R

8 mm



FK562R

6 mm

90°

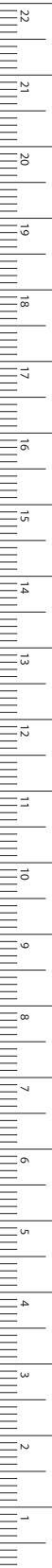


1/2

MANNERFELT, MODIF.

FK530R-FK562R

155 mm, 6"



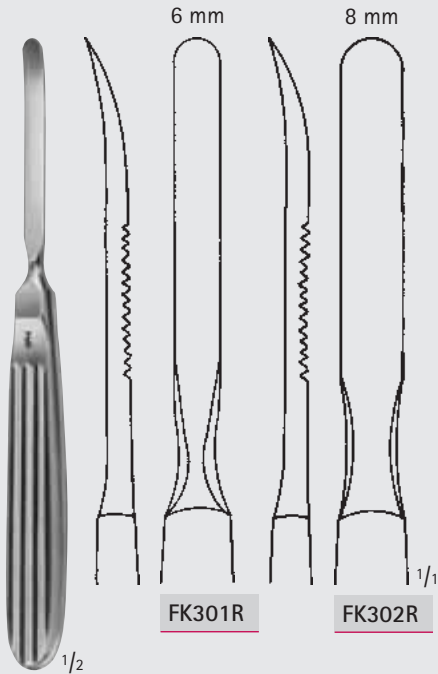
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien

Raspatories

FK

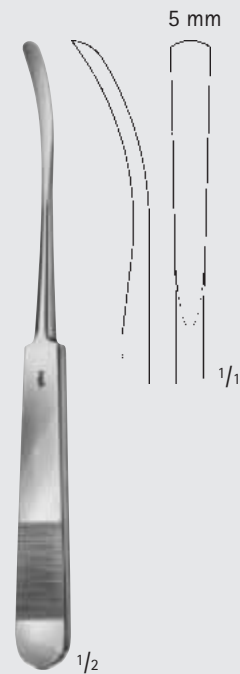


FK301R

FK302R

FK301R-FK302R

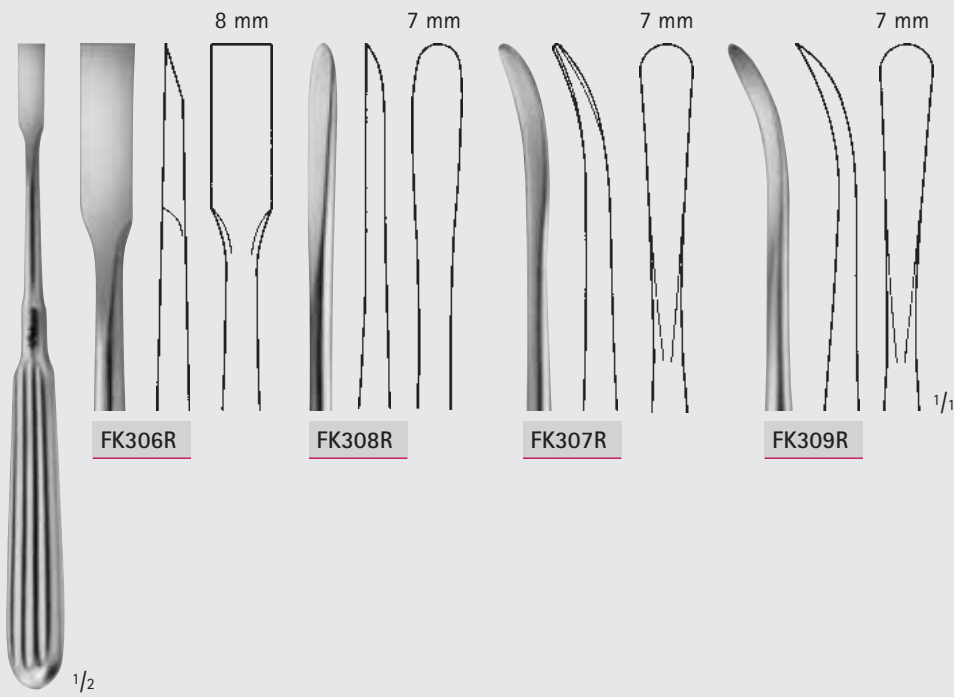
165 mm, 6 1/2"



ADSON

FK299R

165 mm, 6 1/2"



FK306R

FK308R

FK307R

FK309R

ADSON

FK306R-FK309R

170 mm, 6 3/4"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Raspatorien  
Raspatories

**FK**

4 mm

4 mm

4 mm

4 mm

4 mm

FK394R

FK395R

FK396R

FK397R

1/2

**MÜHLING**

FK394R-FK397R

170 mm, 6 3/4"

8 mm

1/1

1/2

**COTTLE**

OL157R

195 mm, 7 3/4"

4,7 mm

1/1

1/2

**LANDOLT**

FK314R

175 mm, 7"

6,2 mm

1/1

1/2

**CASPAR**

FK328R

180 mm, 7"

6,2 mm

1/1

1/2

**CASPAR**

FK329R

180 mm, 7"

6 mm

1/1

1/2

**DO523R**

170 mm, 6 3/4"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien mit PEEK-Griff

Raspatories with PEEK-Handle

Dampfsterilisierbar bis 143°C (3 bar)

Can be sterilized in a steam sterilizer up to 143°C (3 bar)

FK



6 mm

1/1

1/2

**FK318R**

190 mm, 7 1/2"

3 mm

1/1

1/2

**FK317R**

185 mm, 7 1/4"

6 mm

1/1

1/2

**FK319R**

190 mm, 7 1/2"

6 mm

1/1

1/2

**FK321R**

190 mm, 7 1/2"

13 mm

1/1

1/2

**FK323R**

175 mm, 7"

14 mm

1/1

1/2

**FK324R**

190 mm, 7 1/2"

14 mm

1/1

1/2

**FK325R**

180 mm, 7"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien  
Raspatories

FK

17 mm

1/2

1/1

**LANGENBECK**

**MB279R**

190 mm, 7 1/2"

12,5 mm

1/2

1/1

**FARABEUF**

**FK340R**

140 mm, 5 1/2"

12,5 mm

1/2

1/1

**FARABEUF**

**FK341R**

140 mm, 5 1/2"

11 mm

1/2

1/1

**FARABEUF-COLLIN**

**FK344R**

160 mm, 6 1/4"

11 mm

1/2

1/1

**FARABEUF-COLLIN**

**FK345R**

160 mm, 6 1/4"

18 mm

1/2

1/1

**SEDILLOT**

**FK350R**

185 mm, 7 1/4"

11 mm

1/2

1/1

stumpf  
blunt

**MC KISSOCK**

**FK379R**

195 mm, 7 3/4"

10 mm

1/2

1/1

**KRÄMER**

**FK390R**

185 mm, 7 1/4"



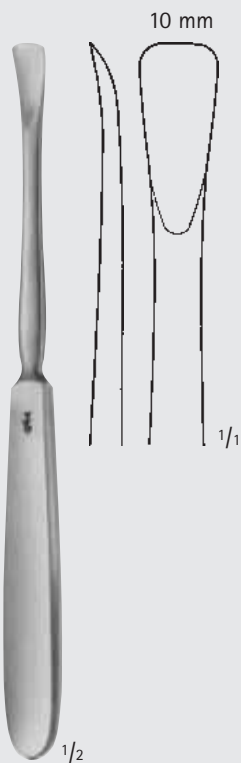
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien

Raspatories

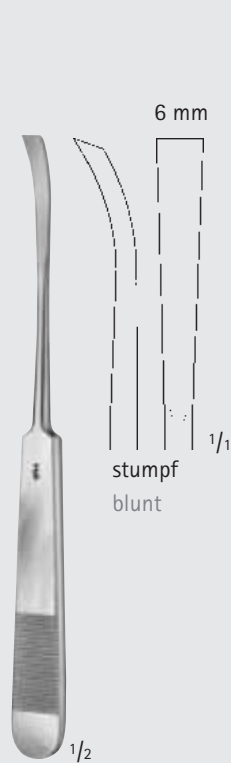
FK



KRÄMER

FK391R

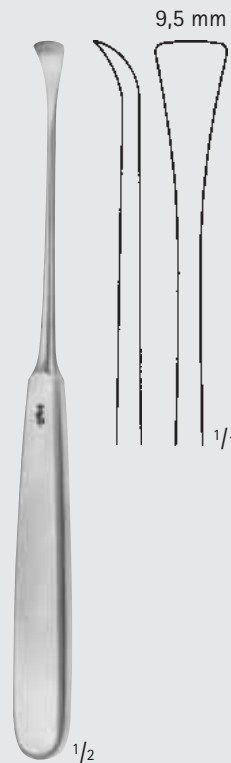
190 mm, 7 1/2"



PENNYBAKER

FK378R

165 mm, 6 1/2"



BÜCHS

D0518R

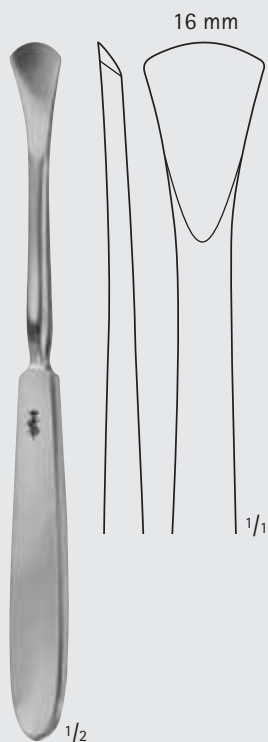
190 mm, 7 1/2"



JANSEN

FK362R

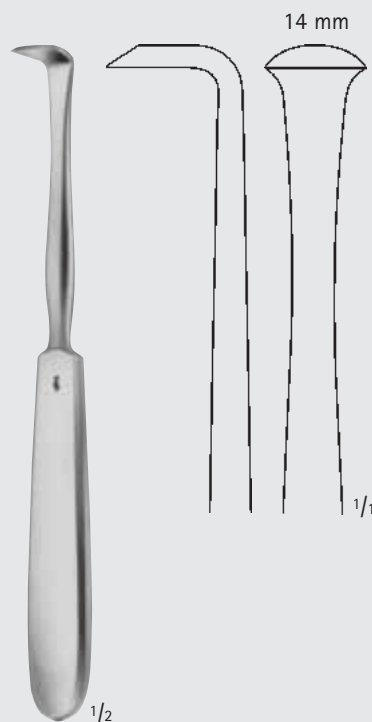
165 mm, 6 1/2"



LANGENBECK

FK360R

190 mm, 7 1/2"



LANGENBECK

FK361R

180 mm, 7"



KEY

FK410R-FK414R

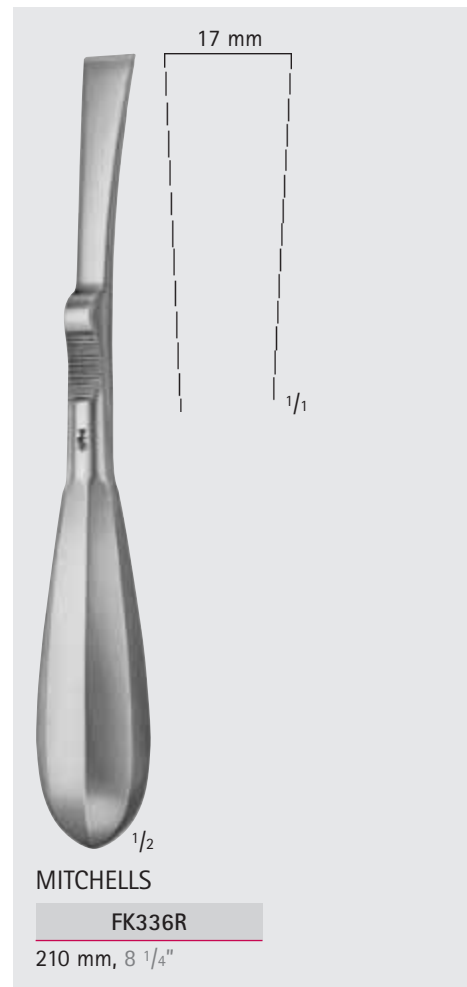
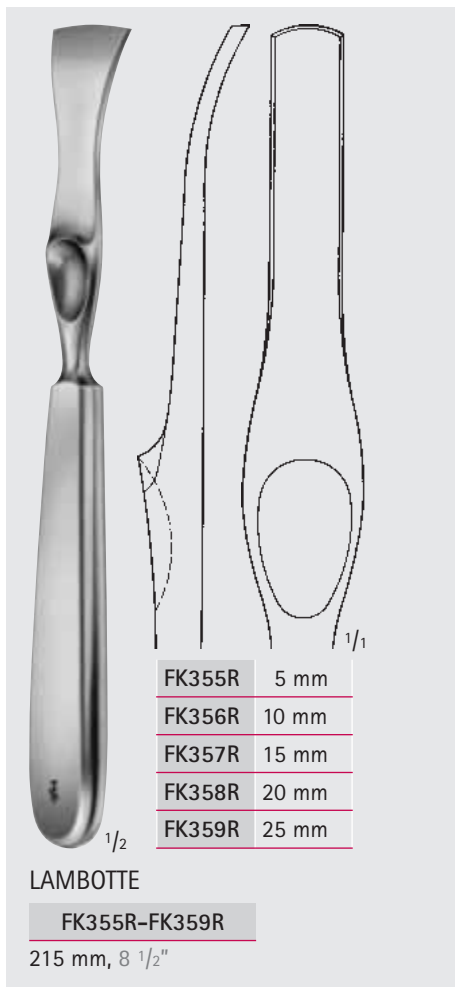
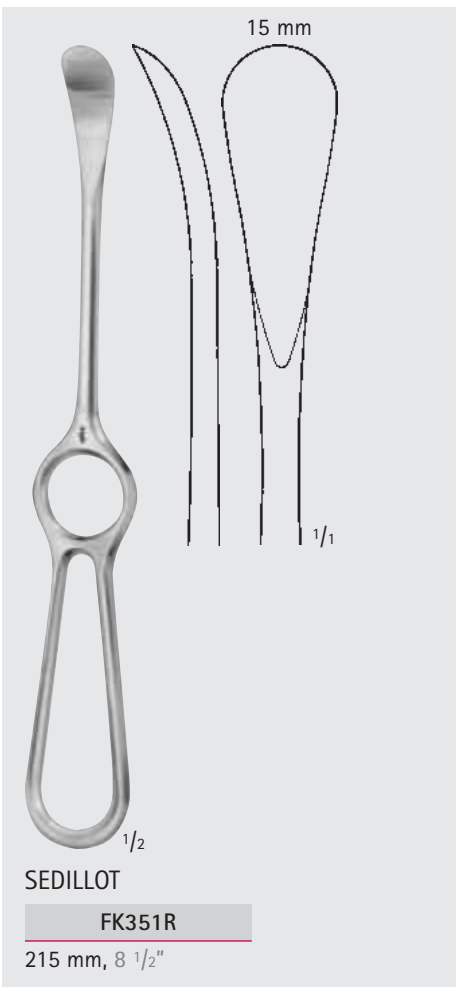
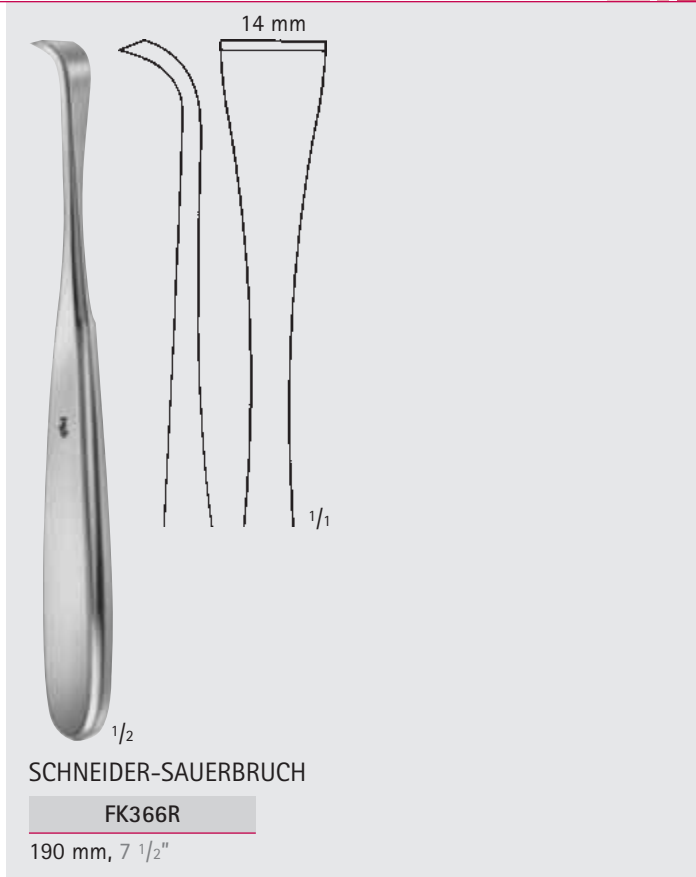
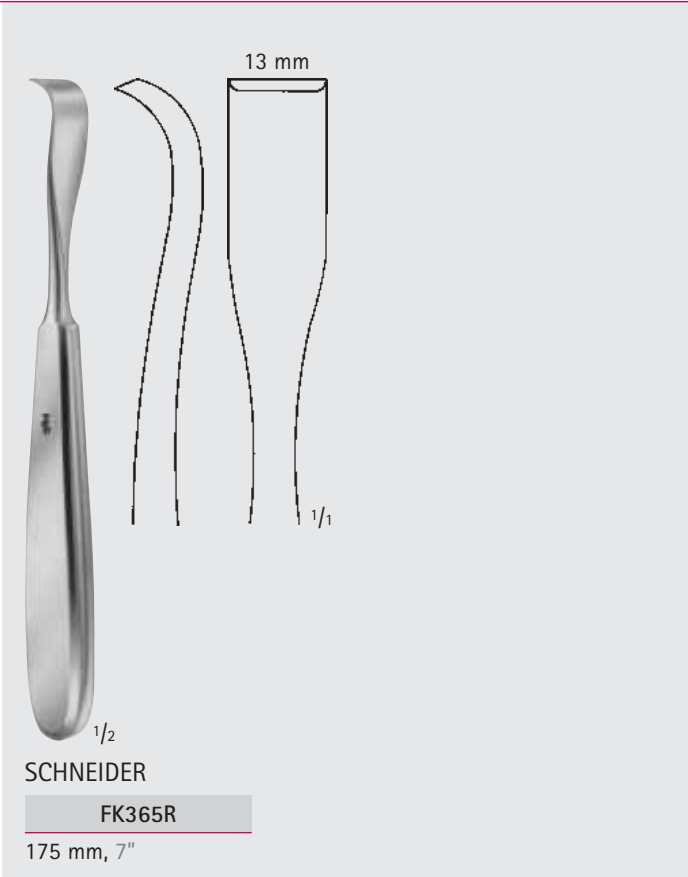
	Breite Width	Länge Length	
FK410R	6 mm	180 mm	7"
FK411R	10 mm	190 mm	7 1/2"
FK412R	13 mm	190 mm	7 1/2"
FK413R	19 mm	200 mm	8"
FK414R	25 mm	210 mm	8 1/4"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien  
Raspatories

**FK**



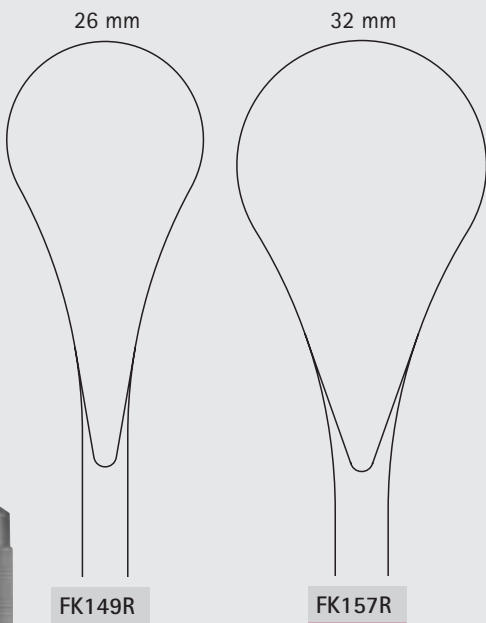
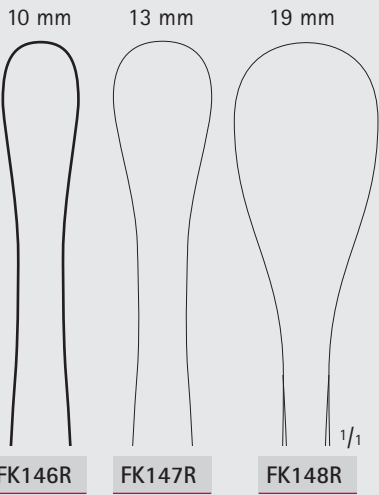
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien

Raspatories

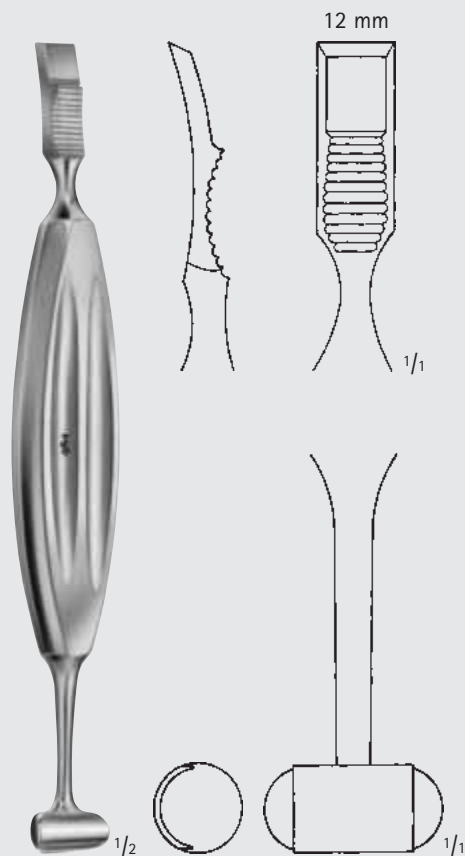
FK



COBB

FK146R-FK157R

280 mm, 11"



ALEXANDER

FK420R

210 mm, 8 1/4"

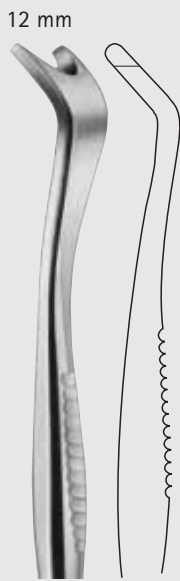




# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Raspatorien  
Raspatories

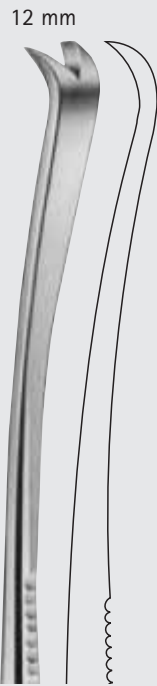
FK



**FK381R**

190 mm

7 1/2"



**FK382R**

230 mm

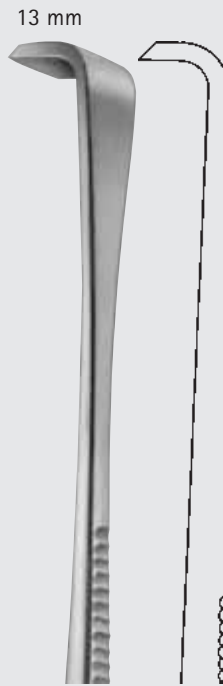
9"



**FK383R**

230 mm

9"



**FK384R**

230 mm

9"



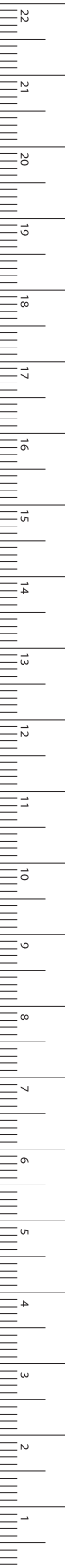
**FK387R**

230 mm

9"

SEMB

FK381R-FK387R

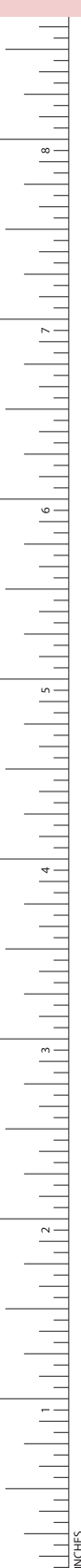


MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Raspatorien  
Raspatories

FK



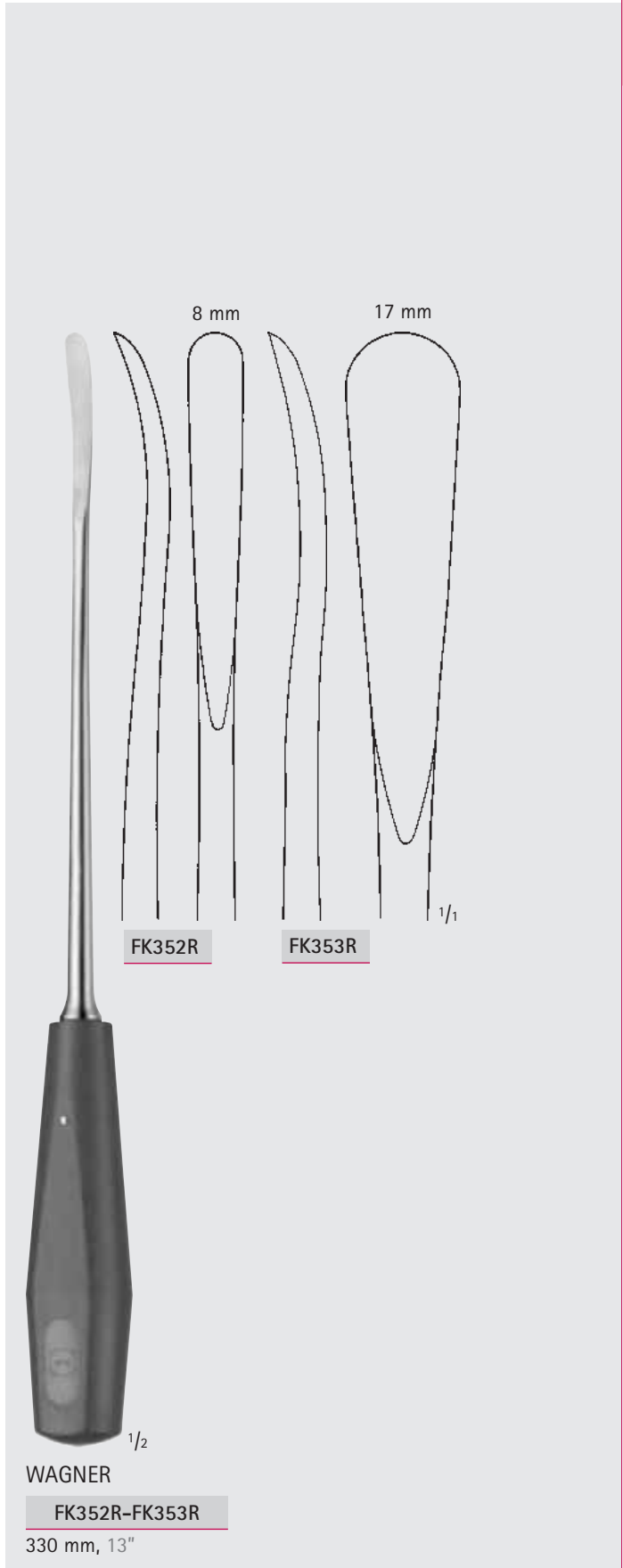
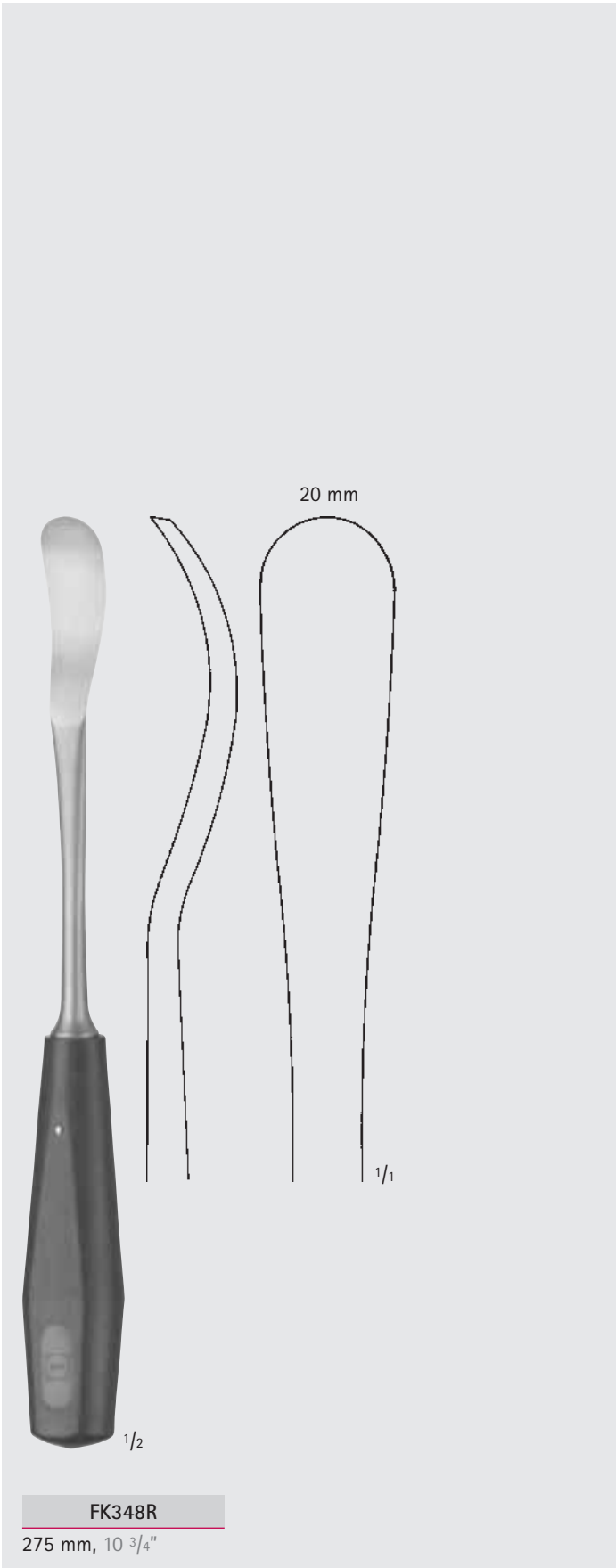


# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Raspatorien mit PEEK-Griff  
Raspatories with PEEK Handle

Dampfsterilisierbar bis 143°C  
Can be sterilized in a steam sterilizer up to 143°C (3 bar)

FK



MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Knochen-Feilen und -Raspeln

Bone Files and Rasps

FK



7,5 mm      9 mm

**OL401R**  
kariert, fein  
fine, chequered

**OL403R**  
kariert, grob  
coarse, chequered

**JOSEPH**  
**OL401R-OL403R**  
165 mm, 6 1/2"

1/2

8 mm      8 mm

**OL408R**  
feine Zahnung  
fine teeth

**OL409R**  
grobe Zahnung  
coarse teeth

**LEWIS**  
**OL408R-OL409R**  
175 mm, 7"

1/2

9 mm

**MALTZ**  
**OL407R**  
auf Zug  
down stroke  
180 mm, 7"

1/2

9 mm      9 mm

**OL410R**  
auf Druck  
up stroke

**OL411R**  
auf Zug  
down stroke

**AUFRICHT**  
**OL410R-OL411R**  
220 mm, 8 3/4"

1/2

6,5 mm

**GALLAHER**  
**OL412R**  
190 mm, 7 1/2"

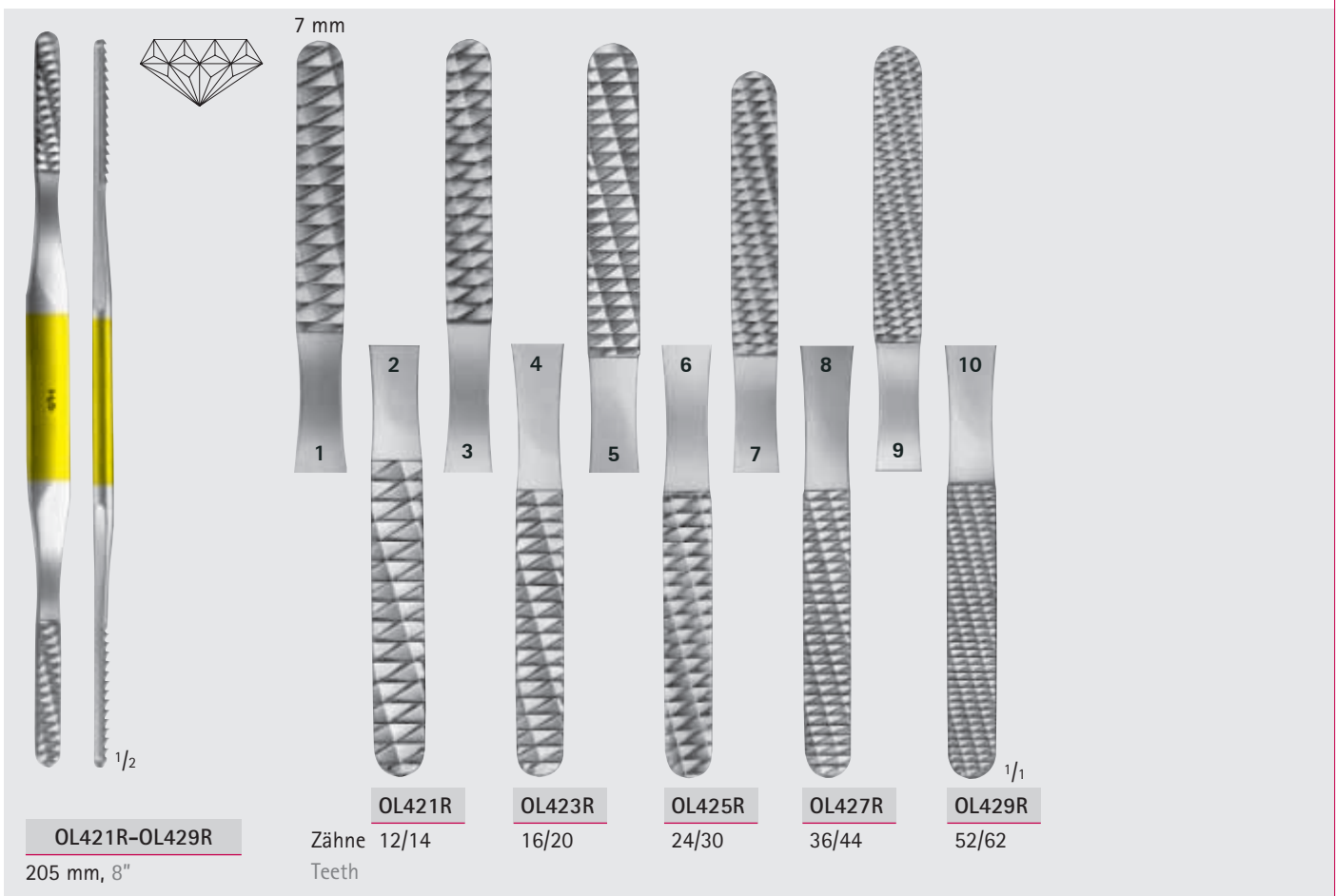
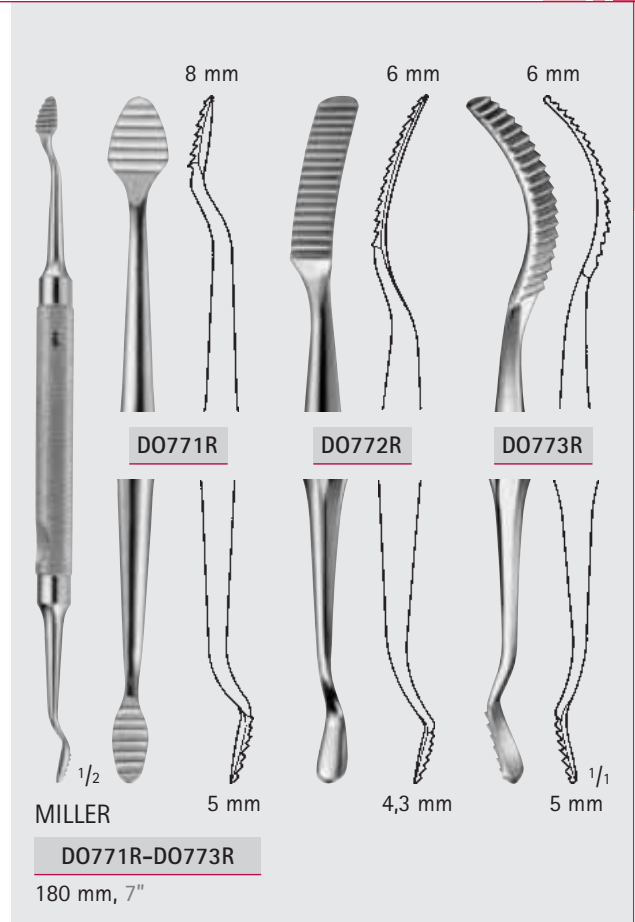
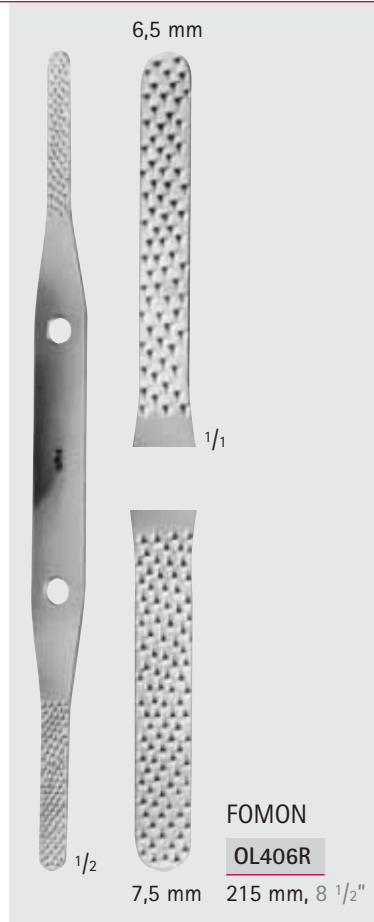
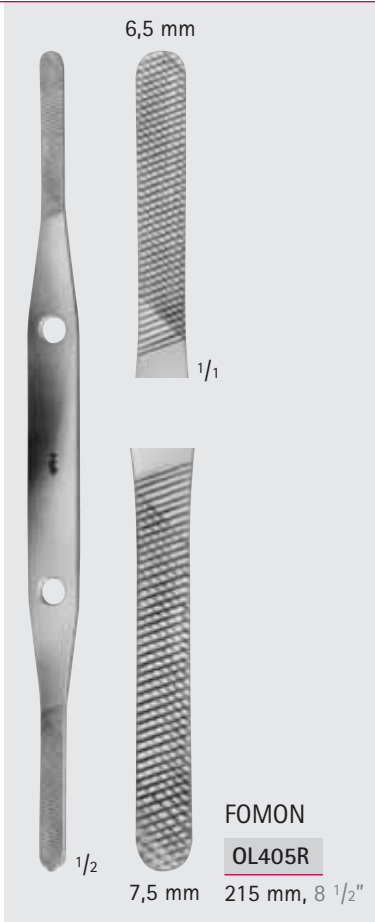
1/2



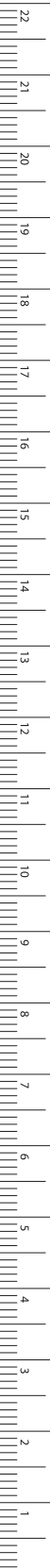
# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Knochen-Feilen und -Raspeln, DUROGRIP® Raspeln

Bone Files and Rasps, DUROGRIP® Rasps



**EK**



MILLIMETERS

**Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes**  
 Knochen-Feilen und -Raspeln  
 Bone Files and Rasps

**FK**



20 mm



eine Seite Feilenhieb,  
andere Seite Raspelhieb  
one side file cut one  
side rasp cut

1/2

**FK507R**

220 mm, 8 3/4"

20 mm

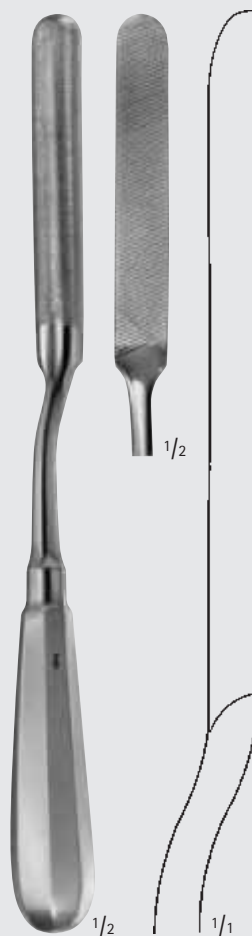


1/2

**FK510R**

295 mm, 11 3/4"

13 mm



1/2

1/1

**FK511R**

240 mm, 9 1/2"

18 mm



1/2

1/1

20 mm

**PUTTI**

**FK505R**

270 mm, 10 3/4"



# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Scharfe Löffel  
Bone Curettes

FK



JACOBSON

FK813R

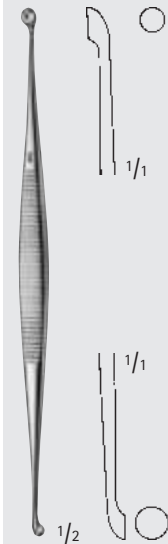
140 mm, 5 1/2"



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

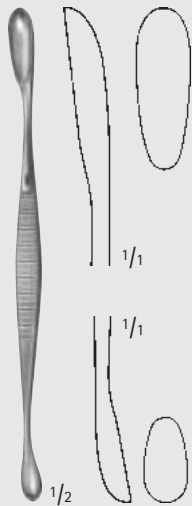
FK817R

180 mm, 7"



FK850R

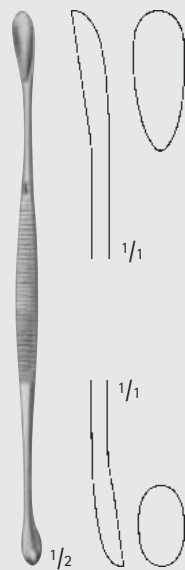
210 mm, 8 1/4"



VOLKMANN

FK840R

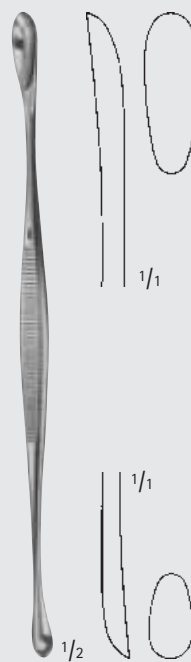
130 mm, 5 1/8"



VOLKMANN

FK841R

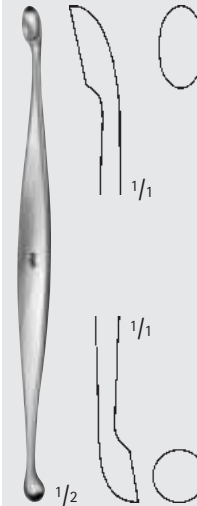
145 mm, 5 3/4"



VOLKMANN

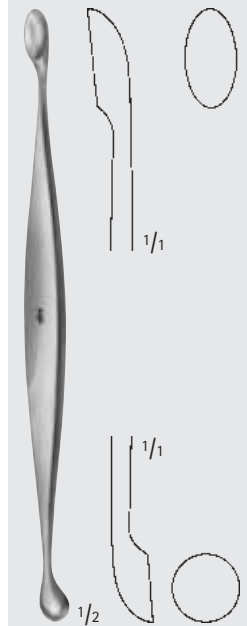
FK842R

170 mm, 6 3/4"



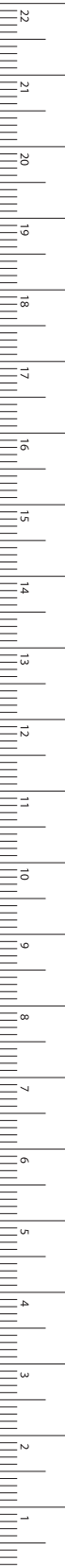
FK845R

130 mm, 5 1/8"



FK846R

160 mm, 6 1/4"

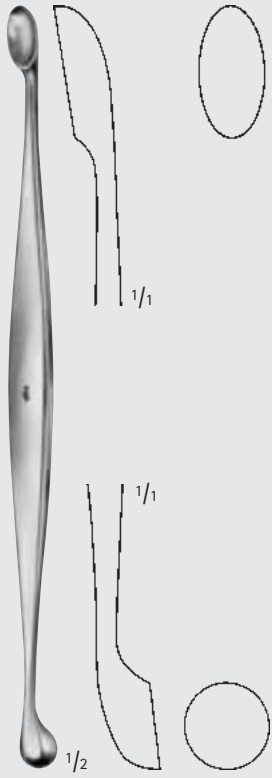


MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Scharfe Löffel  
Bone Curettes

FK



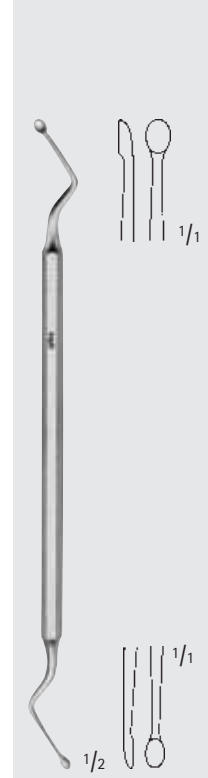
**FK848R**  
200 mm, 8"



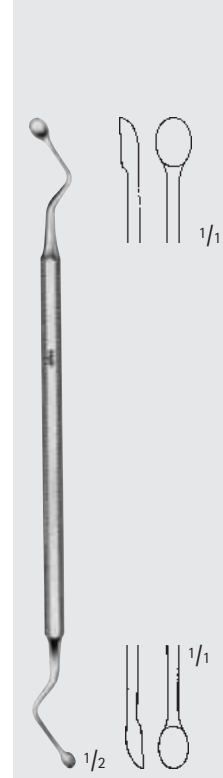
**DO650R**  
160 mm, 6 1/4"



**JANSEN**  
**DO651R**  
160 mm, 6 1/4"



**HEMINGWAY**  
**DO655R**  
170 mm, 6 3/4"



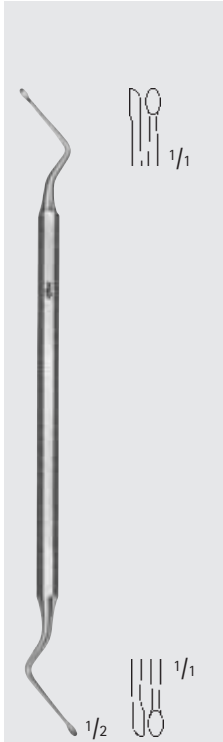
**HEMINGWAY**  
**DO656R**  
170 mm, 6 3/4"



**HEMINGWAY**  
**DO670R**  
Fig. 0  
170 mm, 6 3/4"



**HEMINGWAY**  
**DO671R**  
Fig. 1  
170 mm, 6 3/4"



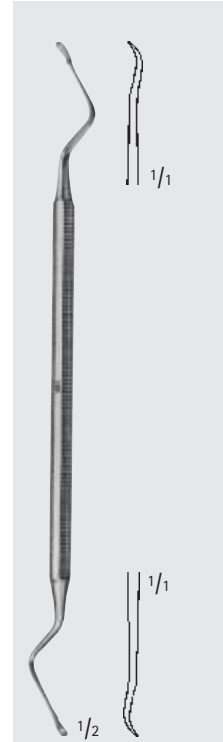
**HEMINGWAY**  
**DO672R**  
Fig. 2  
170 mm, 6 3/4"



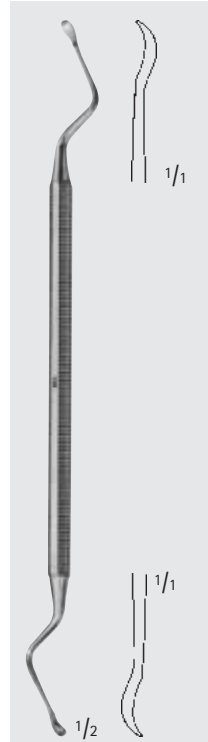
**HEMINGWAY**  
**DO673R**  
Fig. 3  
170 mm, 6 3/4"



**HEMINGWAY**  
**DO674R**  
Fig. 4  
170 mm, 6 3/4"



**LUCAS**  
**DO608R**  
180 mm, 7"



**LUCAS**  
**DO609R**  
185 mm, 7 1/4"





# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Scharfe Löffel  
Bone Curettes

FK



DO630R

DO632R

1/2

KERPEL

DO630R-DO632R

145 mm, 5 3/4"



DO631R

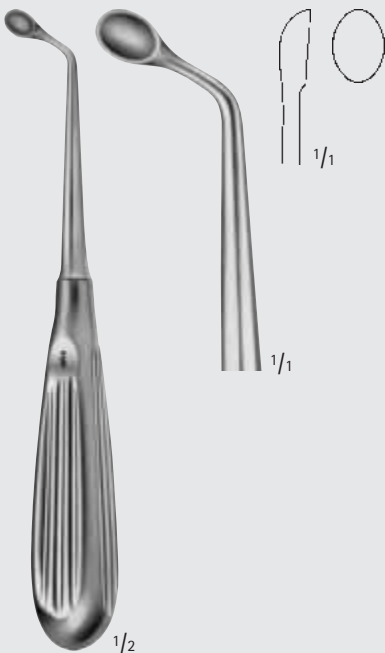
DO633R

1/2

KERPEL

DO631R-DO633R

145 mm, 5 3/4"

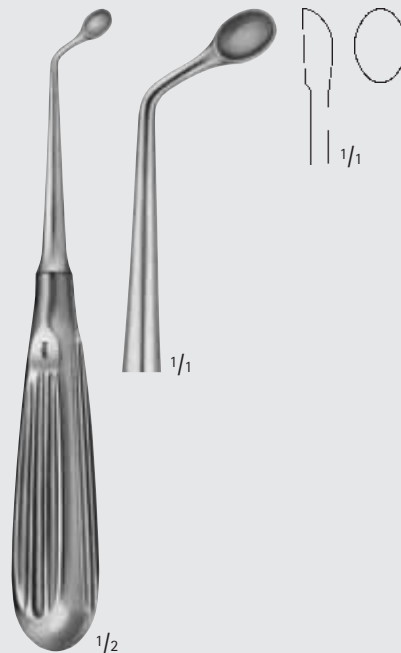


1/2

UFFENORDE

FK660R

170 mm, 6 3/4"

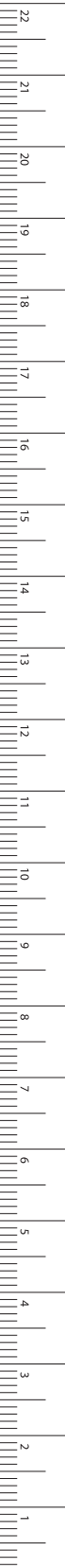


1/2

UFFENORDE

FK661R

170 mm, 6 3/4"



MILLIMETERS

# Knochenhebel, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

## Scharfe Löffel Bone Currettes

FK

3 mm      4 mm      5 mm      6 mm

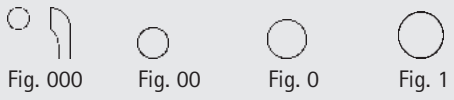


Fig. 000      Fig. 00      Fig. 0      Fig. 1

**FK611R**      **FK612R**      **FK613R**      **FK614R**

8 mm      10 mm      12 mm



Fig. 2      Fig. 3      Fig. 4 <sup>1/1</sup>

**FK615R**      **FK616R**      **FK617R**



<sup>1/2</sup>

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

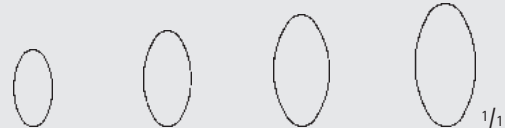


Fig. 1      Fig. 2      Fig. 3      Fig. 4 <sup>1/1</sup>

**FK624R**      **FK625R**      **FK626R**      **FK627R**



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

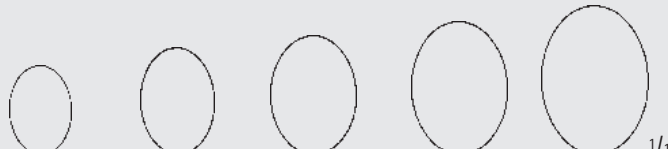


Fig. 2      Fig. 3      Fig. 4      Fig. 5      Fig. 6 <sup>1/1</sup>

**FK635R**      **FK636R**      **FK637R**      **FK638R**      **FK639R**



<sup>1/2</sup>

VOLKMANN

**FK630R-FK639R**

170 mm, 6 3/4"

3,4 mm      5,2 mm



Fig. 00      Fig. 1 <sup>1/1</sup>

**FK658R**      **FK659R**



<sup>1/2</sup>

WILLIGER

**FK658R-FK659R**

170 mm, 6 3/4"

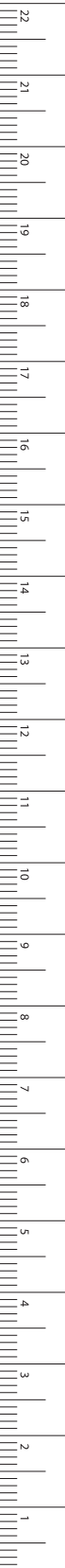




# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Scharfe Löffel  
Bone Curettes

**FK**



1,8 mm

**FK675R**

2,0 mm

**FK676R**

2,4 mm

**FK677R**

2,6 mm

**FK678R**

2,8 mm

**FK679R**

1/2

LEMPERT

**FK675R-FK679R**

215 mm, 8 1/2"



biegsam  
malleable

4,4 mm

Fig. 00

**FK684R**

5,2 mm

Fig. 0

**FK685R**

6,8 mm

Fig. 1

**FK686R**

1/2

HALLE

**FK684R-FK686R**

215 mm, 8 1/2"



2,8 mm

Fig. 0000

**FK662R**

3,6 mm

Fig. 000

**FK663R**

4,4 mm

Fig. 00

**FK664R**

5,2 mm

Fig. 0

**FK665R**

1/2

DAUBENSPECK

**FK662R-FK665R**

200 mm, 8"

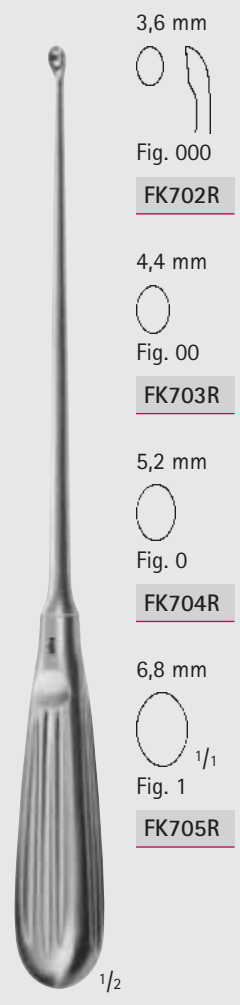
MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes

Scharfe Löffel

Bone Curettes

FK



3,6 mm



Fig. 000

**FK702R**

4,4 mm



Fig. 00

**FK703R**

5,2 mm



Fig. 0

**FK704R**

6,8 mm



Fig. 1

**FK705R**

1/2

**FK702R-FK705R**

250 mm, 10"



3,6 mm



Fig. 000

**FK712R**

4,4 mm



Fig. 00

**FK713R**

5,2 mm



Fig. 0

**FK714R**

6,8 mm



Fig. 1

**FK715R**

1/2

**FK712R-FK715R**

250 mm, 10"



3 mm



Fig. 000

**FK723R**

4 mm



Fig. 00

**FK724R**

5 mm



Fig. 1

**FK725R**

1/2

BUSHE

**FK723R-FK725R**

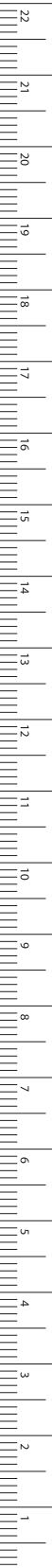
250 mm, 10"













# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

Scharfe Löffel  
Bone Currettes

**EK**



	2,0 mm	2,5 mm	3,3 mm	3,8 mm	4,8 mm	5,3 mm	6,0 mm	6,7 mm	7,3 mm
									
	Fig. 000	Fig. 00	Fig. 0	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6 <sup>1/1</sup>
	<b>MB872R</b>	<b>MB873R</b>	<b>MB874R</b>	<b>MB875R</b>	<b>MB876R</b>	<b>MB877R</b>	<b>MB878R</b>	<b>MB879R</b>	<b>MB880R</b>

<sup>1/2</sup>  
**BRUNS**  
**MB872R-MB880R**  
230 mm, 9"

MILLIMETERS

# Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Currettes

## Scharfe Löffel Bone Currettes

FK

3,6 mm



Fig. 000

**FK688R**

4,4 mm



Fig. 00

**FK689R**

5,2 mm



Fig. 0

**FK690R**

SIMON

**FK688R-FK690R**

1/2 235 mm, 9 1/4"

6,8 mm



Fig. 1

**ER101R**

8,5 mm



Fig. 2

**ER102R**

10 mm



Fig. 3

**ER103R**

11,5 mm



Fig. 4

**ER104R**

13 mm



Fig. 5

**ER105R**

14,5 mm



Fig. 6

**ER106R**

SIMON

**ER101R-ER106R**

1/2 max. 240 mm, 9 1/2"

3,6 mm



Fig. 000

**FK773R**

4,4 mm



Fig. 00

**FK774R**

5,2 mm



Fig. 0

**FK775R**

CASPAR

**FK773R-FK775R**

220 mm, 8 3/4"

1/2

3,6 mm

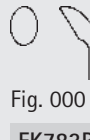


Fig. 000

**FK783R**

4,4 mm



Fig. 00

**FK784R**

5,2 mm



Fig. 0

**FK785R**

CASPAR

**FK783R-FK785R**

220 mm, 8 3/4"

1/2



4 mm

**FK834R**



5 mm

**FK835R**



6 mm

**FK836R**

CASPAR

**FK834R-FK836R**

gezahnt  
toothed

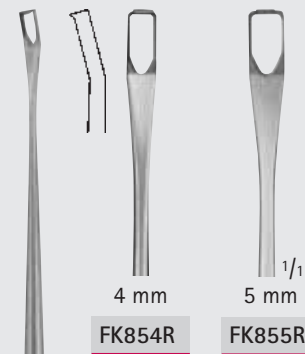
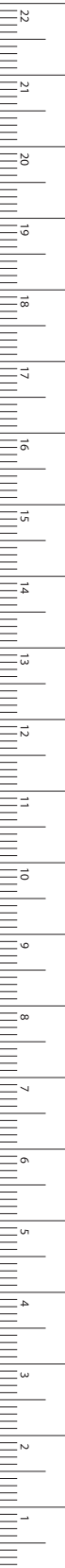
1/2 220 mm, 8 3/4"



Knochenheber, Raspatorien, Scharfe Löffel – Bone Levers, Elevators, Bone Curettes  
 Scharfe Löffel  
 Bone Curettes

Dampfsterilisierbar bis 143°C (3 bar)  
 Can be sterilized in a steam sterilizer up to 143°C (3 bar overpressure)

**EK**



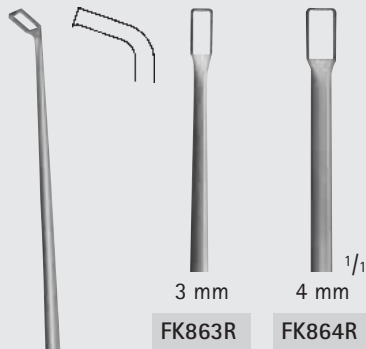
4 mm  
**FK854R**

5 mm  
**FK855R**

1/2  
 CASPAR

**FK854R-FK855R**

gezahnt  
 toothed  
 250 mm, 10"



3 mm  
**FK863R**

4 mm  
**FK864R**

CASPAR

**FK863R-FK864R**

gezahnt  
 toothed  
 270 mm, 10 3/4"



4,4 mm  
 Fig. 00  
**FK666R**

6,8 mm  
 Fig. 1  
**FK668R**

8,5 mm  
 Fig. 2  
**FK670R**

10 mm  
 Fig. 3  
**FK672R**

1/2

**FK666R-FK672R**

270 mm, 10 3/4"

MILLIMETERS



INCHES



FL



Hämmer, Meißel

Mallets, Chisels and Gouges

## Hämmer und Meißel – Mallets, Chisels and Gouges

### Hämmer

### Mallets

Die Gewichtsangaben beziehen sich auf den Kopf des jeweiligen Hammers

Weights refer to the heads of the mallets



Ø 20 mm  
diam. 20 mm

#### MEAD

**FL035R** 180 g

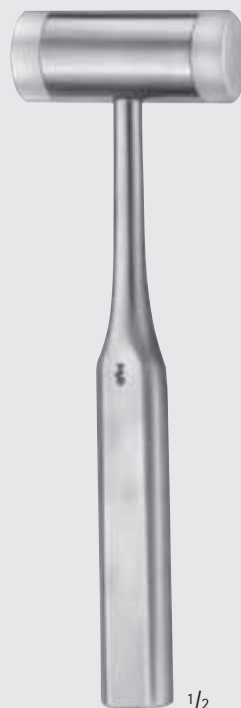
mit auswechselbaren  
Kunststoffbacken  
with interchangeable  
plastic discs

190 mm, 7 1/2"

**FL034**

Ersatzbackenpaar  
Pair of spare discs

1/2



Ø 25 mm  
diam. 25 mm

**FLO36R** 135 g

mit auswechselbaren  
Kunststoffbacken  
with interchangeable  
plastic discs

185 mm, 7 1/4"

**FL037**

Ersatzbackenpaar  
Pair of spare discs

1/2



Ø 30 mm  
diam. 30 mm

#### COTTLE

**FL038R** 235 g

1 Seite flach, 1 Seite convex

1 side flat, 1 side convex

185 mm, 7 1/4"

1/2



Ø 25 mm  
diam. 25 mm

**FLO39R** 130 g

mit einer flachen und einer  
aufgerauhten Fläche  
with one smooth and one  
rough surface

185 mm, 7 1/4"

1/2

FL





## Hämmer und Meißel – Mallets, Chisels and Gouges

Hämmer  
Mallets

Die Gewichtsangaben beziehen sich auf den Kopf des jeweiligen Hammers  
Weights refer to the heads of the mallets



Ø 22 mm  
diam. 22 mm

**DF112R** 80 g

165 mm, 6 1/2"

1/2



Ø 22 mm  
diam. 22 mm

**DF114R** 155 g

190 mm, 7 1/2"

1/2



Ø 27 mm  
diam. 27 mm

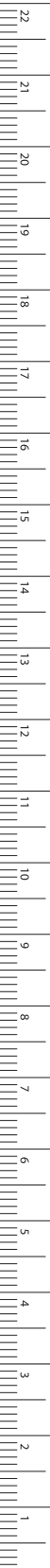
**HAJEK**

**FLO44R** 135 g

220 mm, 8 3/4"

1/2

FL

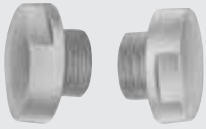


MILLIMETERS

# Hämmer und Meißel – Mallets, Chisels and Gouges

## Hämmer Mallets

Die Gewichtsangaben beziehen sich auf den Kopf des jeweiligen Hammers  
Weights refer to the heads of the mallets



**FL047**

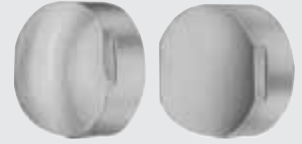
Ersatzbackenpaar  
Pair of spare disks

Dampfsterilisierbar bis  
143°C (3 bar)  
Can be sterilized in a  
steam sterilizer up to  
143°C (3 bar)



**FL064R** 215 g

1 Metallbacke, plan  
1 Metallbacke, convex  
1 metal disc, flat  
1 metal disc, convex



**FL065** 30 g

1 Kunststoffbacke, plan  
1 Kunststoffbacke, convex  
1 plastic disc, flat  
1 plastic disc, convex



**FL045R** 200 g

mit auswechselbaren  
Kunststoffbacken  
with interchangeable  
plastic discs  
245 mm, 9 3/4"



**FL010** 42 mm

**FL011** 50 mm  
250 mm, 10"



Hammerkopf ohne Backen 125 g  
Mallet head without disks 125 g

WAGNER

**FL062**

komplett mit:

FL064R 1 Paar Metallbacken  
FL065 1 Paar Kunststoffbacken  
1 Schlüssel

complete with:

FL064R 1 pair of metal discs  
FL065 1 pair of plastic discs  
1 wrench

235 mm, 9 1/4"



## Hämmer und Meißel – Mallets, Chisels and Gouges

Hämmer  
Mallets

Die Gewichtsangaben beziehen sich auf den Kopf des jeweiligen Hammers  
Weights refer to the heads of the mallets



**FL070S** 425 g

Kopf aus Implantatwerkstoff  
Head made of material  
used for implants  
235 mm, 9 1/4"



**BERGMANN**

**FL060R** 300 g

245 mm, 9 3/4"

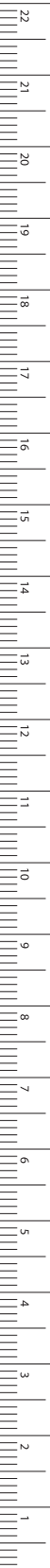


**BERGMANN**

**FL055R** 245 g

235 mm, 9 1/4"

FL



# Hämmer und Meißel – Mallets, Chisels and Gouges

## Hämmer

### Mallets

Die Gewichtsangaben beziehen sich auf den Kopf des jeweiligen Hammers

Weights refer to the heads of the mallets



**FL059R** 285 g  
240 mm, 9 1/2"



**OMBREDANNE**  
**FL066R** 520 g  
240 mm, 9 1/2"



**HEATH**  
Ø diam.  
**FL068C** 660 g 40 mm 185 mm, 7 1/4"  
**FL069C** 725 g 45 mm 200 mm, 8"

mit Kupferfüllung  
with cooper filled head

FL

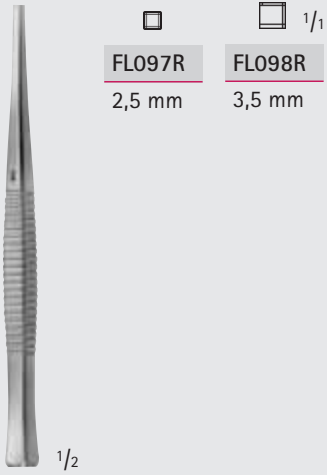




# Hämmer und Meißel – Mallets, Chisels and Gouges

## Stößel Tampers

FL



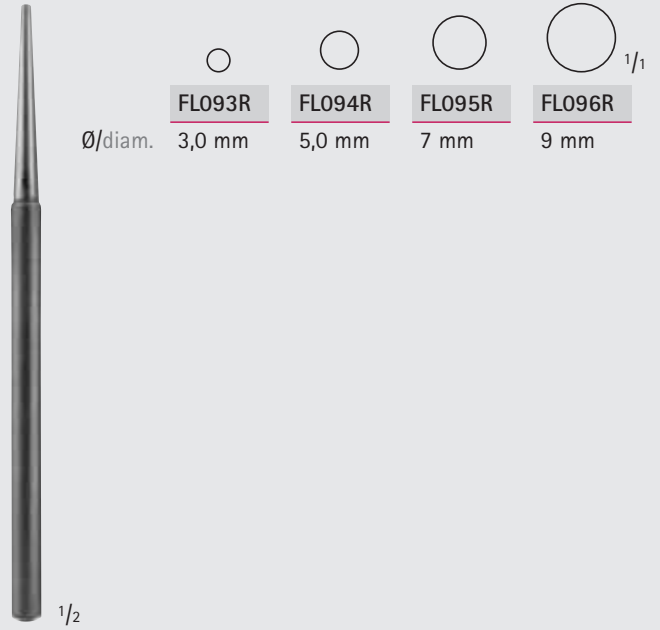
**FL097R**  
2,5 mm

**FL098R**  
3,5 mm

PASSOW

**FL097R-FL098R**

120 mm, 4 3/4"



**FL093R**  
Ø/diam. 3,0 mm

**FL094R**  
5,0 mm

**FL095R**  
7 mm

**FL096R**  
9 mm

1/2

**FL093R-FL096R**

160 mm, 6 1/2"



**FF913R**  
Ø/diam. 3 mm

**FF914R**  
5 mm

**FF915R**  
8 mm

1/2

CASPAR

**FF913R-FF915R**

200 mm, 8"



**FL090R**  
Ø/diam. 12 mm

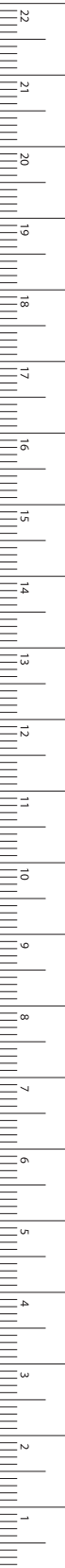
**FL091R**  
14 mm

**FL092R**  
16 mm

1/2

**FL090R-FL092R**

200 mm, 8"



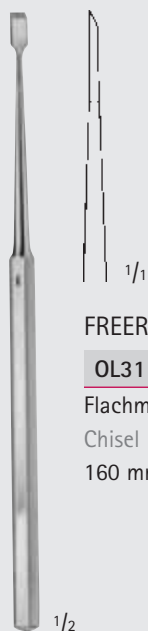
MILLIMETERS

## Hämmer und Meißel – Mallets, Chisels and Gouges

Osteotome, Flach- und Hohlmeißel

Osteotomes, Chisels and Gouges

FL



FREER

**OL311R** 4 mm

Flachmeißel

Chisel

160 mm, 6 1/4"

1/2



1/1



FREER

**OL314R** 4 mm

Flachmeißel, gebogen

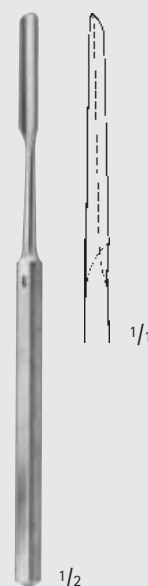
Chisel, curved

160 mm, 6 1/4"

1/2



1/1



FREER

**OL316R** 6 mm

Hohlmeißel

Gouge

150 mm, 6"

1/2



1/1



MANNERFELT MODIF.

**FL144R** 4 mm

**FL146R** 6 mm

**FL148R** 8 mm

Osteotome

Osteotomes

155 mm, 6"

1/2



1/1



MANNERFELT MODIF.

**FL153R** 3 mm

Hohlmeißel

Gouge

155 mm, 6"

1/2



1/1



KRÄMER

**FL711R** 2,6 mm

Osteophyten-Meißel  
mit Griff

Chisel for osteophytes  
with handle

215 mm, 8 1/2"

1/2



1/1





## Hämmer und Meißel – Mallets, Chisels and Gouges

### Osteotome, Flach- und Hohlmeißel

### Osteotomes, Chisels and Gouges

FL

FL110R	4 mm
FL112R	6 mm
FL114R	8 mm
FL116R	10 mm
FL118R	12 mm

Osteotome  
Osteotomes  
140 mm, 5 1/2"

1/2

FL120R	4 mm
FL122R	6 mm
FL124R	8 mm
FL126R	10 mm
FL128R	12 mm

Flachmeißel  
Chisels  
140 mm, 5 1/2"

1/2

GILLIES

OL341R	5 mm
OL342R	7 mm
OL343R	9 mm

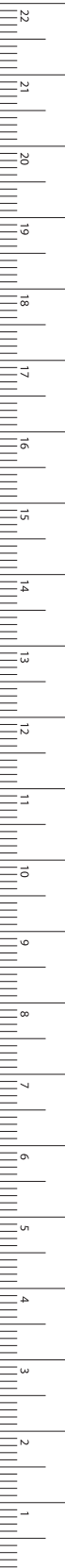
Osteotome  
Osteotomes  
140 mm, 5 1/2"

1/2

FL130R	4 mm
FL132R	6 mm
FL134R	8 mm
FL136R	10 mm
FL138R	12 mm

Hohlmeißel  
Gouges  
140 mm, 5 1/2"

1/2



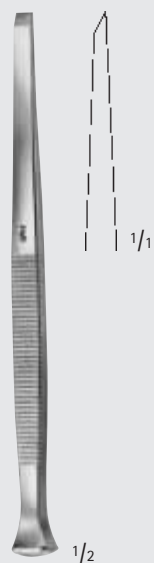
MILLIMETERS

## Hämmer und Meißel – Mallets, Chisels and Gouges

Flach- und Hohlmeißel

Chisels and Gouges

FL



PARTSCH

FL173R	3 mm
FL174R	4 mm
FL175R	5 mm
FL176R	6 mm

Flachmeißel

Chisels

140 mm, 5 1/2"



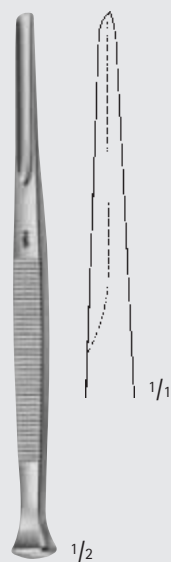
PARTSCH

FL183R	3 mm
FL184R	4 mm
FL185R	5 mm
FL186R	6 mm
FL187R	7 mm

Flachmeißel

Chisels

170 mm, 6 3/4"



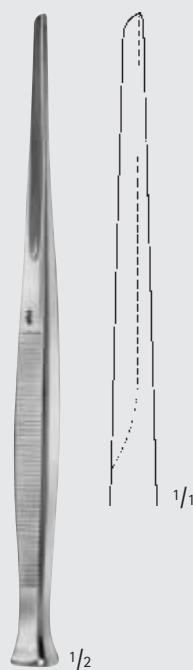
PARTSCH

FL213R	3 mm
FL214R	4 mm
FL215R	5 mm
FL216R	6 mm

Hohlmeißel

Gouges

140 mm, 5 1/2"



PARTSCH

FL223R	3 mm
FL224R	4 mm
FL225R	5 mm
FL226R	6 mm
FL227R	7 mm

Hohlmeißel

Gouges

170 mm, 6 3/4"



## Hämmer und Meißel – Mallets, Chisels and Gouges

### Osteotome, Flach- und Hohlmeißel

### Osteotomes, Chisels and Gouges

FL

**LUCAS**

DO711R	4 mm
DO713R	6 mm

Flachmeißel  
Chisels  
160 mm, 6 1/4"

**LUCAS**

DO715R	3 mm
DO717R	5 mm

Hohlmeißel  
Gouges  
160 mm, 6 1/4"

**ALEXANDER**

FL343R	7 mm
FL345R	9 mm
FL347R	11 mm

Hohlmeißel  
Gouges  
170 mm, 6 3/4"

**LAMBOTTE**

FL101R	4 mm
FL102R	6 mm
FL104R	8 mm
FL106R	10 mm
FL108R	12 mm
FL109R	15 mm

Osteotome  
Osteotomes  
125 mm, 5"

**COTTLE**

OL294R	4 mm
OL296R	6 mm
OL298R	8 mm
OL299R	10 mm
OL300R	12 mm

Osteotome mit Graduierung  
Osteotomes with depth markings  
180 mm, 7"

**COTTLE**

OL301R	4 mm
OL302R	7 mm
OL303R	9 mm
OL304R	12 mm

Osteotome mit einseitigem Anschliff und Graduierung  
Chisel-Osteotomes with depth markings  
180 mm, 7"

**COTTLE**

OL307R	8 mm
--------	------

Fischschwanzosteotom  
Fishtail chisel, with protected ends  
180 mm, 7"



## Hämmer und Meißel – Mallets, Chisels and Gouges

Flachmeißel und Osteotome

Chisels and Osteotomes

FL



EAST GRINSTEAD (WARD)

DO722R 3 mm

DO723R 5 mm

Flachmeißel

Chisels

180 mm, 7"

1/2



EASTMAN

DO725R 3 mm

DO726R 5 mm

Flachmeißel

Chisels

190 mm, 7 1/2"

1/2



EAST GRINSTEAD (WARD)

DO732R 3 mm

DO733R 5 mm

Osteotome

Osteotomes

180 mm, 7"

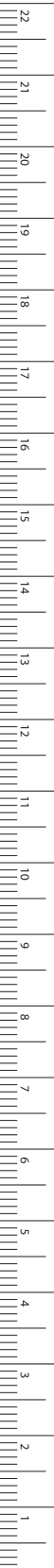
1/2



## Hämmer und Meißel – Mallets, Chisels and Gouges

Flach- und Hohlmeißel, Osteotome  
Chisels and Gouges, Osteotomes

FL



STILLE

FL503R	10 mm
FL504R	12 mm
FL505R	15 mm
FL506R	20 mm
FL507R	25 mm

Flachmeißel  
Chisels  
1/2 205 mm, 8"

STILLE

FL573R	10 mm
FL574R	12 mm
FL575R	15 mm
FL576R	20 mm
FL577R	25 mm

Hohlmeißel  
Gouges  
1/2 205 mm, 8"

WALTER

FL583R	10 mm
FL585R	15 mm

Hohlmeißel zur Knorpelentnahme aus der Rippe  
Gouges for taking grafts from the ribs  
205 mm, 8"

STILLE

FL512R	8 mm
FL513R	10 mm
FL514R	12 mm
FL515R	15 mm
FL516R	20 mm
FL517R	25 mm

Osteotome  
Osteotomes  
1/2 205 mm, 8"

STILLE

FL523R	10 mm
FL524R	12 mm
FL525R	15 mm
FL526R	20 mm
FL527R	25 mm

Osteotome  
Osteotomes  
205 mm, 8"

STILLE

FL553R	10 mm
FL554R	12 mm
FL555R	15 mm
FL556R	20 mm
FL557R	25 mm

Osteotome, gebogen  
Osteotomes, curved  
205 mm, 8"

# Hämmer und Meißel – Mallets, Chisels and Gouges

Osteotome

Osteotomes

FL



MB657R-MB662R



MB663R-MB669R



MB675R-MB684R



MB685R-MB694R



## SMITH-PETERSEN

MB657R	7 mm
MB658R	11 mm
MB659R	14 mm
MB660R	17 mm
MB661R	19 mm
MB662R	25 mm
MB663R	6 mm
MB664R	9,5 mm
MB665R	13 mm
MB666R	16 mm
MB667R	19 mm
MB668R	25 mm
MB669R	32 mm

1/2

205 mm, 8 1/8"



## HIBBS

MB675R	6 mm
MB676R	10 mm
MB677R	13 mm
MB678R	16 mm
MB679R	19 mm
MB680R	22 mm
MB681R	25 mm
MB682R	28 mm
MB683R	32 mm
MB684R	38 mm
MB685R	6 mm
MB686R	10 mm
MB687R	13 mm
MB688R	16 mm
MB689R	19 mm
MB690R	22 mm
MB691R	25 mm
MB692R	28 mm
MB693R	32 mm
MB694R	38 mm

1/2

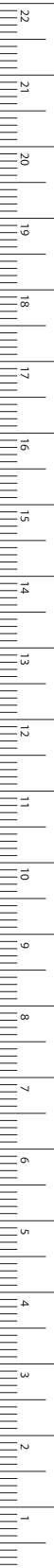
240 mm, 9 1/2"



# Hämmer und Meißel – Mallets, Chisels and Gouges

## Osteotome Osteotomes

FL



MILLIMETERS



### LAMBOTTE

FL650R	4 mm
FL651R	8 mm
FL652R	10 mm
FL653R	13 mm
FL654R	15 mm
FL655R	18 mm
FL656R	20 mm
FL658R	25 mm
FL659R	30 mm
FL660R	38 mm
FL661R	44 mm
FL662R	50 mm

245 mm, 9 3/4"

1/2



### LAMBOTTE

FL781R	8 mm
FL783R	13 mm
FL785R	18 mm
FL788R	25 mm
FL789R	30 mm
FL790R	38 mm

gebogen  
curved  
245 mm, 9 3/4"

1/2



### OBWEGESER

DO720R	11 mm
--------	-------

gebogen  
curved  
235 mm, 9 1/4"

1/2



### NIEDERDELLMANN

DO728R	8 mm
DO730R	10 mm

gebogen  
curved  
250 mm, 10"

1/2

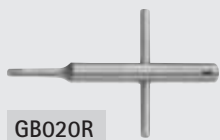
## Hämmer und Meißel – Mallets, Chisels and Gouges

Osteotome, Flach- und Hohlmeißel mit PEEK-Griff

Osteotomes, Chisels and Gouges with PEEK-Handle

Dampfsterilisierbar bis 143°C (3 bar)

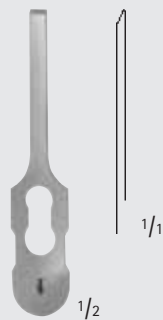
Can be sterilized in a steam sterilizer up to 143°C (3 bar)



**FL665R**

Meißelgriff für  
auswechselbare Klingen  
mit Spannschlüssel GB020R

Handle for interchangeable  
blades, with key GB020R



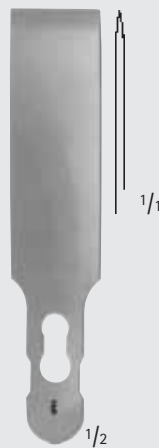
**FL666R** 5 mm

**FL668R** 10 mm

**FL670R** 16 mm

**FL672R** 25 mm

auswechselbare Klingen,  
Nutzlänge: 45 mm  
interchangeable blades,  
usable length: 45 mm



**FL682R** 25 mm

auswechselbare  
Osteotomie Klinge,  
Nutzlänge: 78 mm  
interchangeable  
osteotome blade,  
usable length: 78 mm



**FL685R**



**FL686R**



**FL687R**



**FL685R** 25 mm r = 50 mm

**FL686R** 25 mm r = 60 mm

**FL687R** 25 mm r = 70 mm

auswechselbare  
Meißelblätter, hohl  
interchangeable chisel  
blades, hollow





## Hämmer und Meißel – Mallets, Chisels and Gouges

Osteotome, Flach- und Hohlmeißel mit PEEK-Griff  
Osteotomes, Chisels and Gouges with PEEK-Handle

Dampfsterilisierbar bis 143°C (3 bar)

Can be sterilized in a steam sterilizer up to 143°C (3 bar)

FL



DO750R	10 mm
DO752R	15 mm
DO754R	20 mm

Flachmeißel  
Chisels  
200 mm, 8"



DO751R	10 mm
DO753R	15 mm
DO755R	20 mm

Flachmeißel, gebogen  
Chisels, curved  
200 mm, 8"



LEXER-MINI

FL380R	4 mm
FL381R	6 mm
FL382R	8 mm
FL383R	10 mm
FL384R	12 mm

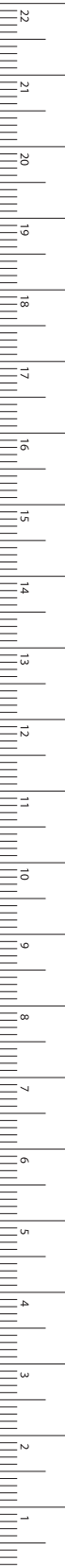
Osteotome  
Osteotomes  
180 mm, 7"



LEXER-MINI

FL390R	4 mm
FL391R	6 mm
FL392R	8 mm
FL393R	10 mm
FL394R	12 mm

Hohlmeißel  
Gouges  
180 mm, 7"



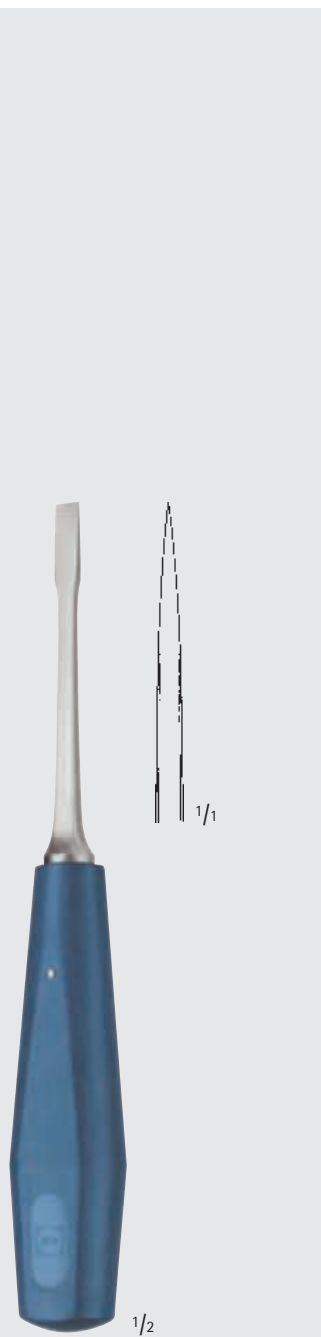
## Hämmer und Meißel – Mallets, Chisels and Gouges

Osteotome und Hohlmeißel mit PEEK-Griff

Osteotome and Gouges with PEEK-Handle

Dampfsterilisierbar bis 143°C (3 bar)

Can be sterilized in a steam sterilizer up to 143°C (3 bar)

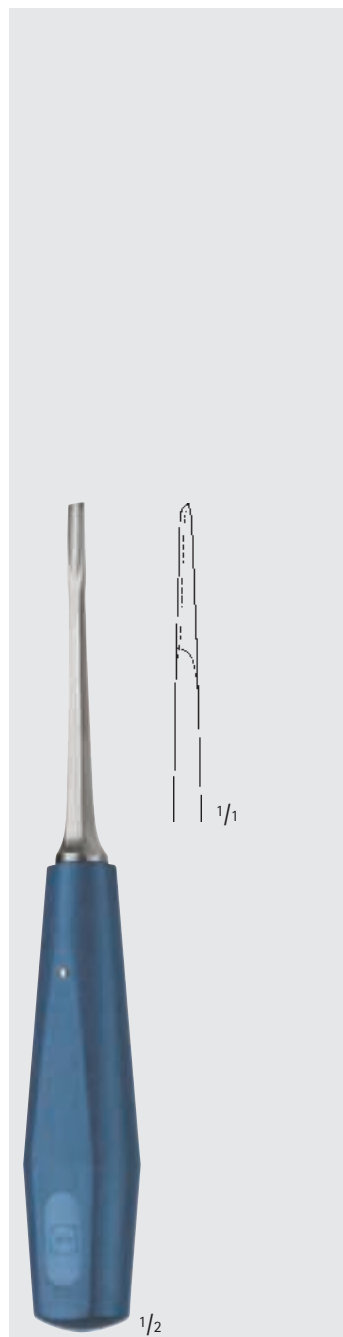


LEXER

FL401R	5 mm
FL402R	7 mm
FL403R	10 mm
FL405R	15 mm
FL406R	20 mm
FL407R	25 mm
FL408R	30 mm

Osteotome  
Osteotomes

220 mm, 8 3/4"

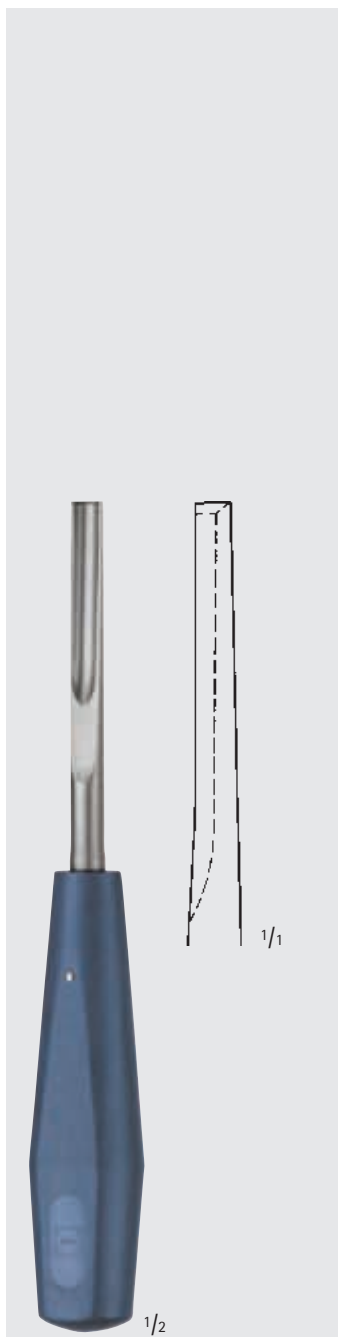


LEXER

FL411R	5 mm
FL412R	7 mm
FL413R	10 mm
FL415R	15 mm
FL416R	20 mm
FL417R	25 mm
FL418R	30 mm

Hohlmeißel  
Gouges

220 mm, 8 3/4"



FL420R 9 mm

Hohlmeißel zum Freilegen  
abgebrochener Schrauben

Gouge for excavating  
broken screws

220 mm, 8 3/4"



ZIELKE

FL701R	5,5 mm
FL702R	9,0 mm

Hohlmeißel für  
Skoliose-Operationen

Gouges for scoliosis  
operations

230 mm, 9"



## Hämmer und Meißel – Mallets, Chisels and Gouges

Hohlmeißel

Gouges

Dampfsterilisierbar bis 143°C (3 bar)

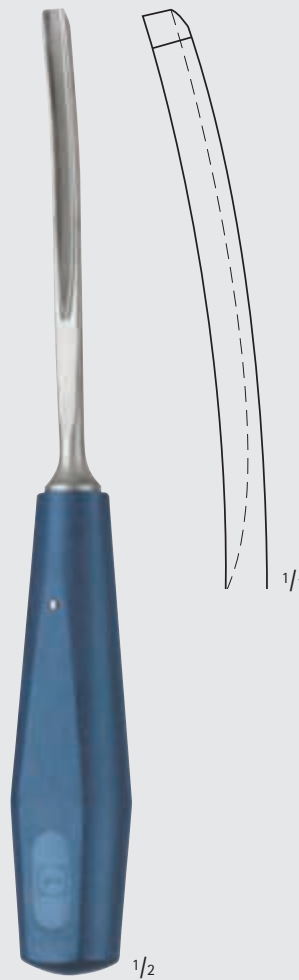
Can be sterilized in a steam sterilizer up to 143°C (3 bar)

FL



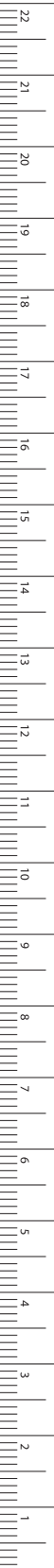
FL437R	6 mm
FL438R	8 mm
FL439R	11 mm
FL440R	16 mm

Wirbelsäulenmeißel,  
bajonettförmig  
Lamina gouge, cranked  
235 mm, 9 1/4"



FL441R	5 mm
FL443R	10 mm
FL445R	15 mm

Spongiosa-Hohlmeißel,  
gebogen  
Spongiosa gouges, curved  
250 mm, 10"



MILLIMETERS

## Hämmer und Meißel – Mallets, Chisels and Gouges

Osteotome und Flachmeißel mit PEEK-Griff

Osteotomes and Chisels with PEEK-Handle

Dampfsterilisierbar bis 143°C (3 bar)

Can be sterilized in a steam sterilizer up to 143°C (3 bar)

FL



**FL430R** 20 mm

Flachmeißel

Chisel

245 mm, 9 3/4"



**ND105R** 16 mm

Flachmeißel, gebogen

Chisel, curved

265 mm, 10 1/2"



LEXER

**ND108R** 10 mm

**ND109R** 15 mm

Osteotome, abgewinkelt

Osteotomes, angled

275 mm, 10 3/4"



LEXER

**FL423R**

Spongiosa-Hohlmeißel

Spongiosa gouge

280 mm, 11"



# Hämmer und Meißel – Mallets, Chisels and Gouges


Hohlmeißel

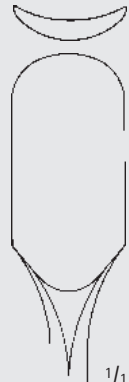
Gouges

Dampfsterilisierbar bis 143°C (3 bar)

Can be sterilized in a steam sterilizer up to 143°C (3 bar)

FL



		
	9 mm	15 mm <sup>1/1</sup>
	<b>ND120R</b>	<b>ND122R</b>
aufgebogen inclined forward		
	<b>ND121R</b>	<b>ND123R</b>
rückwärts gebogen inclined backward		
	<b>ND124R</b>	<b>ND125R</b>
gerade straight		


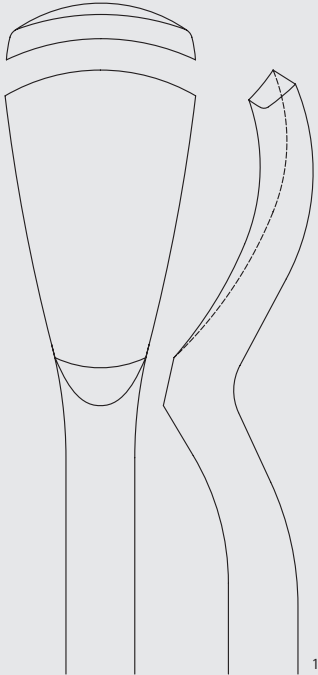
**WAGNER**

**ND120R-ND125R**

Hohlmeißel zum Abtragen von Osteophyten sowie zum Anbringen von Verankerungsrillen im Acetabulum. Auch sehr gut geeignet zur Zemententfernung bei Reoperationen von Schaftprothesen.

Long handled thin concave gouges for removal of osteophytes as well as for creating small notches throughout the acetabular surface. The instruments can also be used for removing bone cement from the marrow-cavity when removing a total hip prosthesis.

340 mm, 13 1/2" <sup>1/2</sup>

**ND118R** 25 mm

290 mm, 11 1/4" <sup>1/1</sup>





INCHES

FO



Knochenhaltezangen, Hohlmeißelzangen,  
Knochensplitterzangen

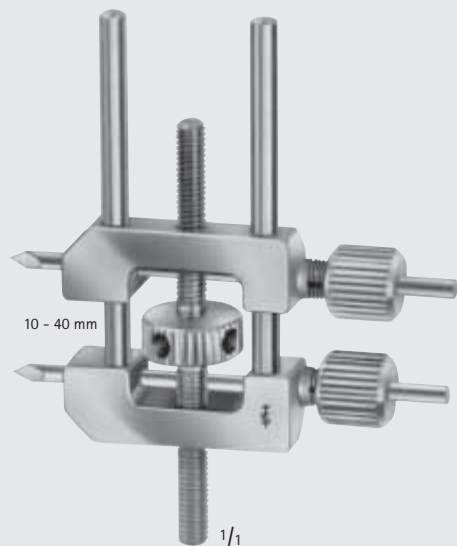
Bone Holding Forceps, Bone Rongeurs,  
Bone Cutting Forceps

## Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Distraktor, Repositionszangen

Distractor, Reposition Forceps

FO

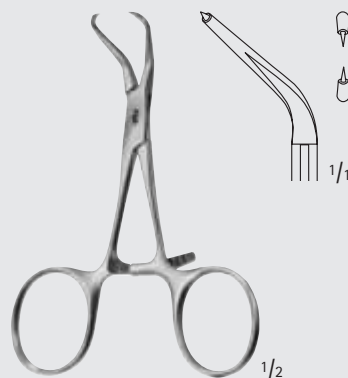


10 - 40 mm

1/1

### LX310R

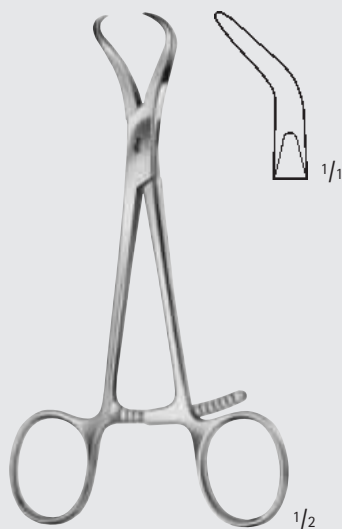
Kleiner Distraktor, zum Distrahieren und Komprimieren von kleinen Knochen, für Bohrdrähte Ø 3,0 mm  
Small distractor, a repositioning device for distraction and compression of small bones, for wires with 3.0 mm diam.



1/2

### F0113R

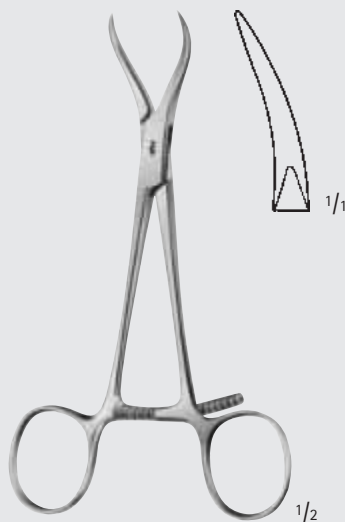
Repositionszange mit abgesetzten Spitzen  
Reposition forceps with stepped tips  
95 mm, 3 3/4"



1/2

### F0115R

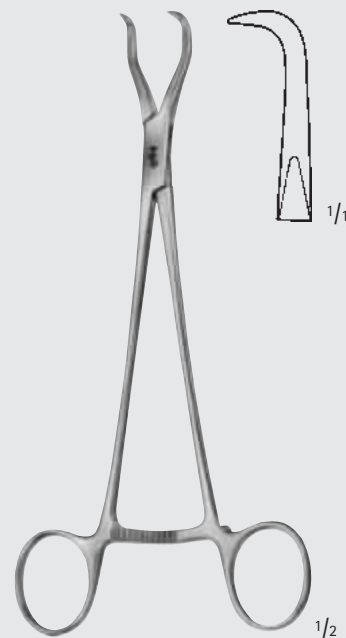
Repositionszange für Kleinfragmente  
Reposition forceps for small fragments  
135 mm, 5 1/4"



1/2

### F0117R

Repositionszange, speziell für Kieferrepositionen  
Reposition forceps, especially for maxillary reposition  
135 mm, 5 1/4"



1/2

### HAASE

### F0119R

Repositionszange für Unterkieferfrakturen  
Reposition forceps for mandibular fractures  
165 mm, 6 1/2"







# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

## Repositionszangen, Repositionsstößel

### Reposition Forceps, Reposition Tamper

FO

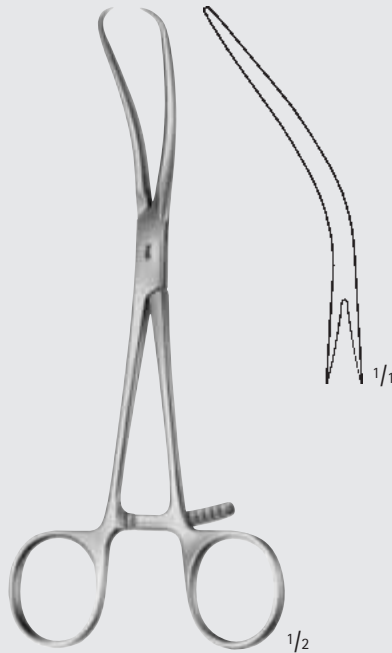


Zum Fixieren eines anzuschraubenden Knochenteils mittels KIRSCHNER-Bohrdraht bis Ø 2 mm  
A bone part to be screwed on is fixed by using a KIRSCHNER wire up to diam. 2 mm

WÖRRLEIN

**FO105R**

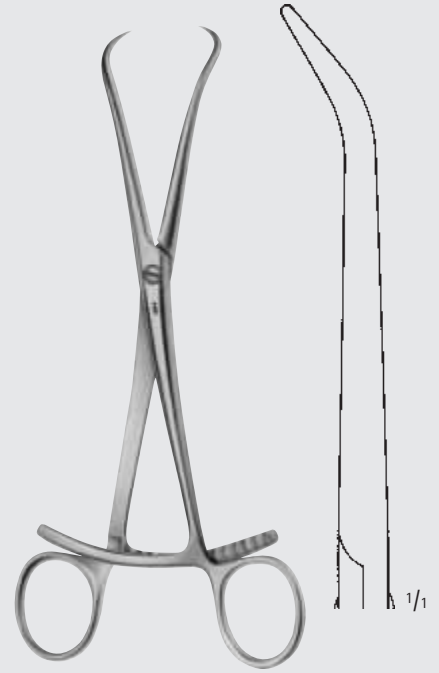
Repositionsstößel (Kronenspieß), längsdurchbohrt  
Reposition tamper, cannulated  
165 mm, 6 1/2"



REILL

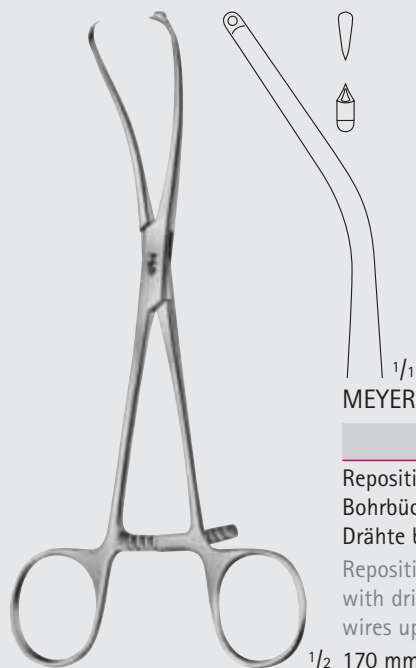
**FO116R**

Repositionszange  
Reposition forceps  
170 mm, 6 3/4"



**FO118R**

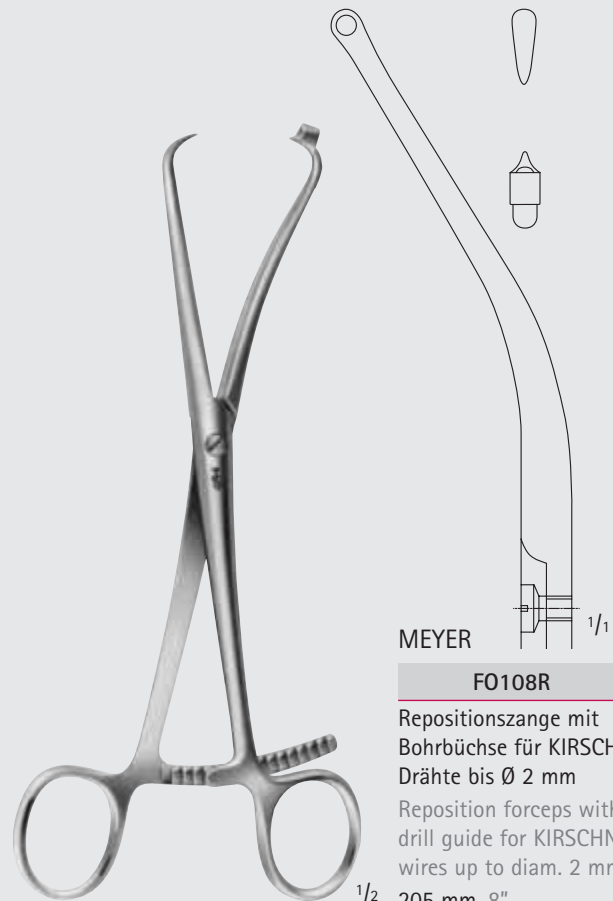
Repositionszange  
Reposition forceps  
205 mm, 8"



MEYER

**FO106R**

Repositionszange für Finger, mit Bohrbüchse für KIRSCHNER-Drähte bis Ø 1 mm  
Reposition forceps for fingers, with drill guide for KIRSCHNER wires up to diam. 1 mm  
170 mm, 6 3/4"



MEYER

**FO108R**

Repositionszange mit Bohrbüchse für KIRSCHNER-Drähte bis Ø 2 mm  
Reposition forceps with drill guide for KIRSCHNER wires up to diam. 2 mm  
205 mm, 8"

# Knochenhalte­zangen, Hohl­meißel­zangen – Bone Holding Forceps, Bone Rongeurs

Reposition­zangen, Knochen­halte­zangen  
 Reposition Forceps, Bone Holding Forceps

FO



1/2

**FO153R**

Patellazange  
 Patella forceps  
 185 mm, 7 1/4"



1/2

**FO112R**

Knöchelfasszange  
 Malleolar forceps  
 210 mm, 8 1/4"



1/2

**FO123R**

Zange mit Zahnsperre  
 Forceps with ratchet fixation  
 140 mm, 5 1/2"



1/2

**FO124R**

Zange mit Gewindesperre  
 Forceps with thread fixation  
 170 mm, 6 3/4"



1/2

**FO125R**

Zange mit Gewindesperre  
 Forceps with thread fixation  
 235 mm, 9 1/4"



# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Knochenhaltezangen  
Bone Holding Forceps

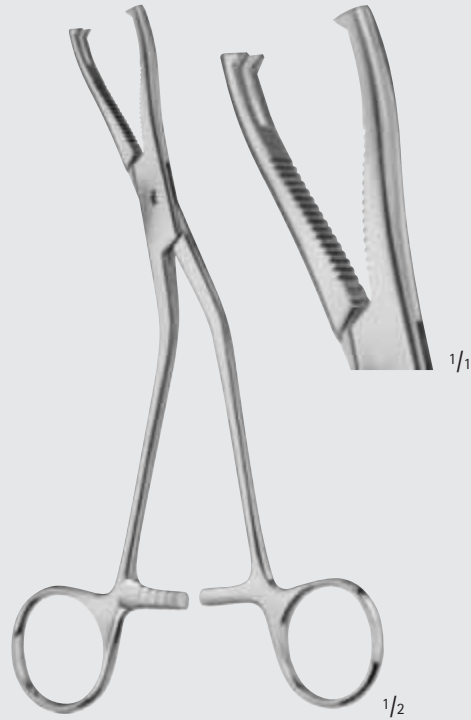
FO



DINGMANN

**FO110R**

185 mm, 7 1/4"



DINGMANN, MODIF.

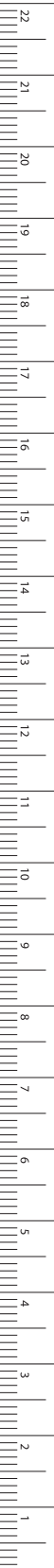
**FO111R**

185 mm, 7 1/4"



**FO100R**

Sequesterzange  
Sequestrum forceps  
200 mm, 8"



MILLIMETERS

# Knochenhalte­zangen, Hohl­meißel­zangen – Bone Holding Forceps, Bone Rongeurs

## Knochenhalte­zangen Bone Holding Forceps

FO



5 mm

M 1/1



1/2

FO120R

200 mm, 8"

11 mm

M 1/1



1/2

LANGENBECK

FO127R

205 mm, 8"

12 mm

M 1 1/1



1/2

FERGUSSON

FO130R

205 mm, 8"

8 mm



1/1



1/2

SEMB

FO135R

190 mm, 7 1/2"

8 mm



1/1



1/2

SEMB

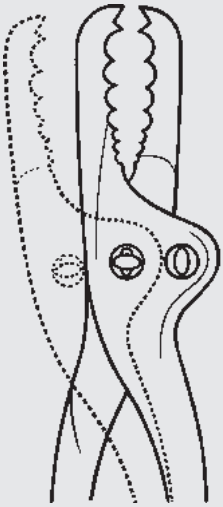
FO136R

190 mm, 7 1/2"

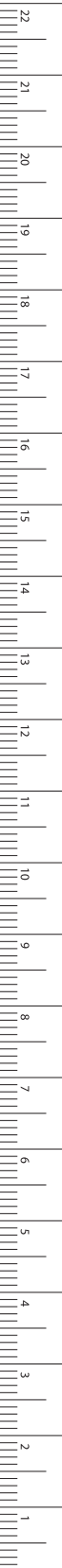


**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Knochenhaltezangen  
 Bone Holding Forceps

**FO**



im Maul verstellbar  
 jaw adjustable




MILLIMETERS



9 mm  
 1/1

1/2

**FARABEUF**  
**FO140R**  
 230 mm, 9"



11 mm  
 1/1

1/2

**FARABEUF**  
**FO141R**  
 255 mm, 10"



11 mm  
 1/1

1/2

**FARABEUF-LAMBOTTE**  
**FO143R**  
 255 mm, 10"

# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Knochenhaltezangen  
Bone Holding Forceps

FO



KERN-LANE

FO150R

240 mm, 9 1/2"



LANE

FO151R

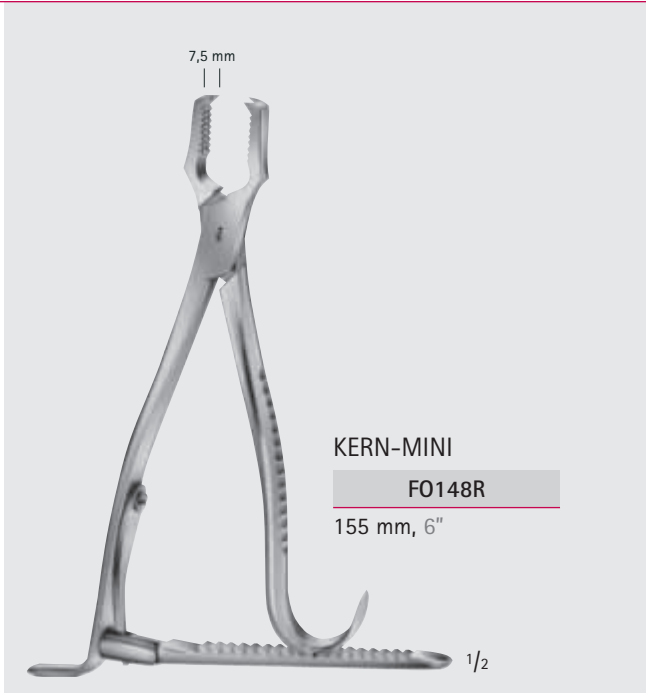
330 mm, 13 1/8"



# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

## Knochenhaltezangen Bone Holding Forceps

FO



KERN-MINI

FO148R

155 mm, 6"



KERN-LANE

FO158R

240 mm, 9 1/2"



LANE

FO159R

320 mm, 12 3/4"



MILLIMETERS

# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Knochenhaltezangen  
Bone Holding Forceps

FO



HEY GROVES

FO144R

210 mm, 8 1/4"



HEY GROVES

FO145R

270 mm, 10 3/4"



HEY GROVES

FO146R

305 mm, 12"





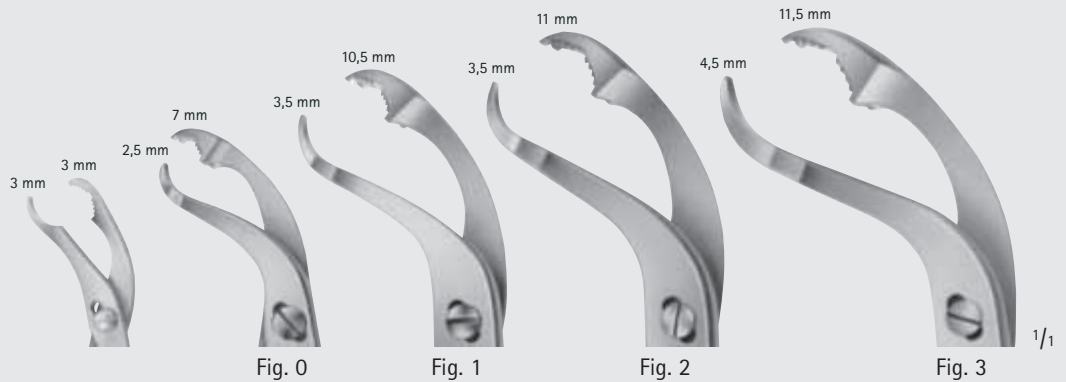
# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

## Knochenhaltezangen Bone Holding Forceps



**FO169R-FO173R**

selbstzentrierend mit Gewindesperre  
self-centering forceps with thread fixation



**FO169R**

145 mm  
5 3/4"

für Klein-  
fragmente  
for small  
fragments

**FO170R**

190 mm  
7 1/2"

**FO171R**

240 mm  
9 1/2"

**FO172R**

260 mm  
10 1/4"

**FO173R**

280 mm  
11"



VERBRUGGE

**FO180R**

175 mm, 7"



Fig. 1

**FO181R**

255 mm  
10"

Fig. 2

**FO182R**

265 mm  
10 1/2"

Fig. 3

**FO183R**

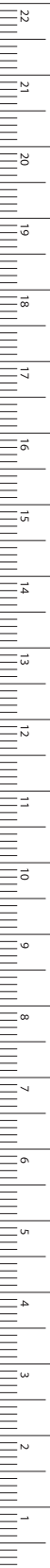
270 mm  
10 3/4"

VERBRUGGE

**FO181R-FO183R**

mit Lappenverschluss  
with lip joint

FO



# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Knochenhaltezangen  
Bone Holding Forceps

FO



Maulteil beweglich  
movable jaw



**FO160R**

220 mm

8 3/4"



**FO161R**

260 mm

10 1/4"



**FO162R**

330 mm

13 1/8"

LAMBOTTE

**FO160R-FO162R**



**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Knochenhalteklammern  
 Bone Clamps

**FO**



**LOWMAN**

**FO190R** 170 mm, 6 3/4"

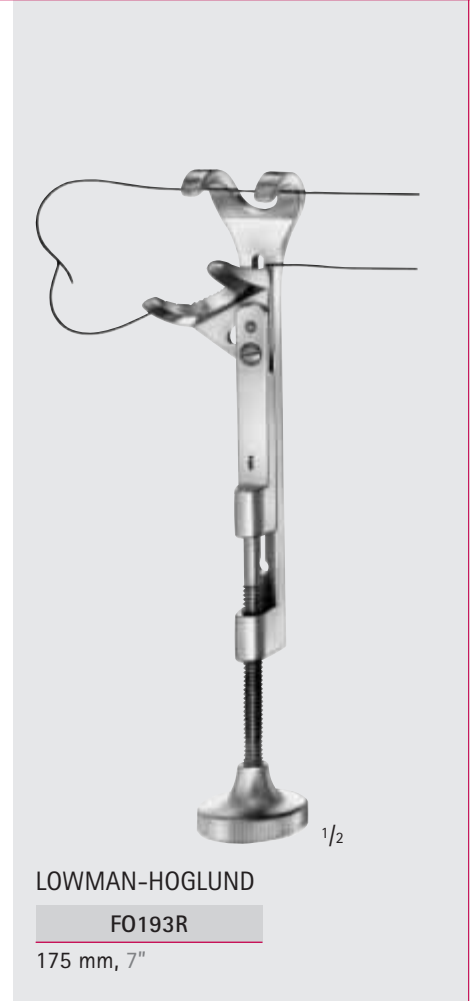
**FO191R** 205 mm, 8"



**LOWMAN-GERSTER**

**FO192R**

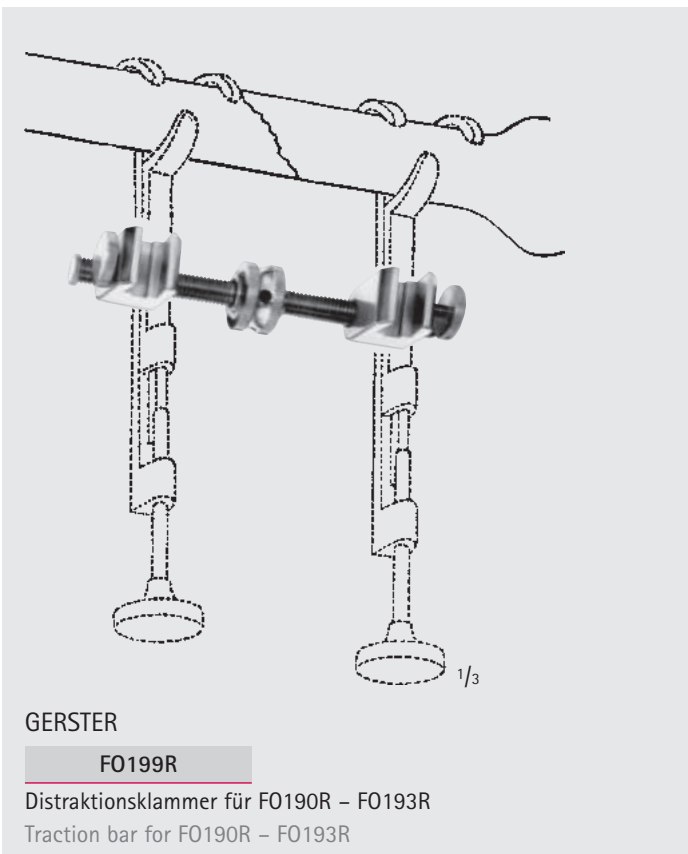
210 mm, 8 1/4"



**LOWMAN-HOGLUND**

**FO193R**

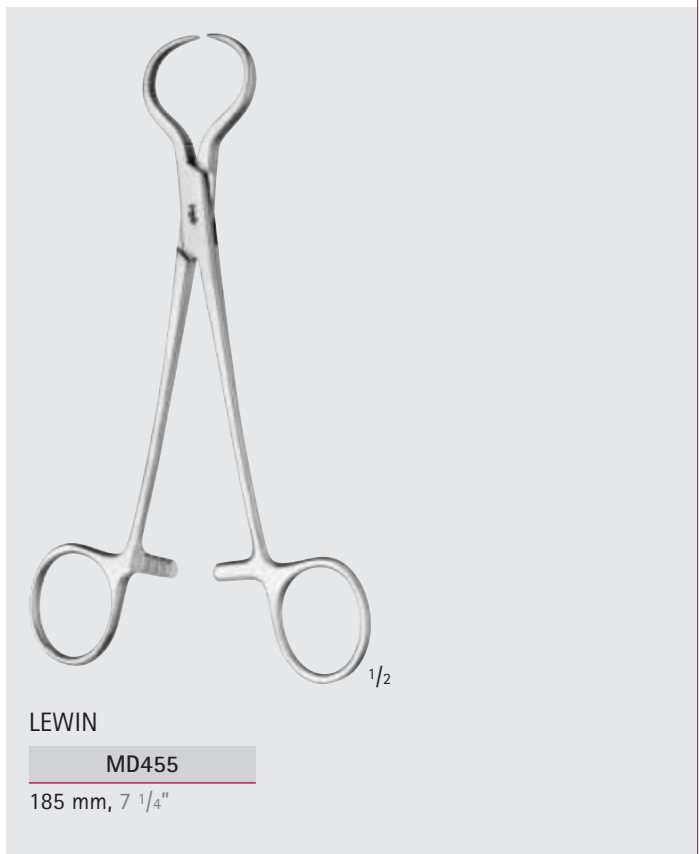
175 mm, 7"



**GERSTER**

**FO199R**

Distractionsklammer für FO190R – FO193R  
 Traction bar for FO190R – FO193R



**LEWIN**

**MD455**

185 mm, 7 1/4"

# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

## Synovektomie-Zangen, Hohlmeißelzangen

## Synovectomy-Rongeurs, Bone Rongeurs

FO



**FO599R**

Synovektomie-Zange  
Maulbreite 2 mm  
Synovectomy rongeur  
jaw width 2 mm  
130 mm, 5 1/8"



**STELLBRINK**

**FO399R**

Synovektomie-Zange  
Synovectomy rongeur  
175 mm, 7"



**STELLBRINK**

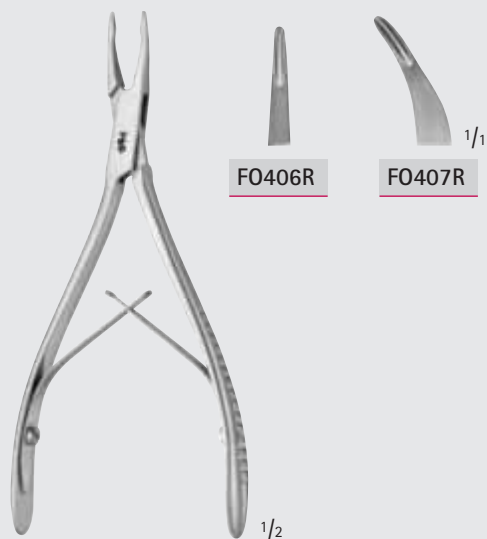
**FO400R**

Synovektomie-Zange  
Synovectomy rongeur  
170 mm, 6 3/4"



**FO408R**

Hohlmeißelzangen  
Bone rongeurs  
145 mm, 5 3/4"



**FRIEDMANN**

**FO406R-FO407R**

Hohlmeißelzange  
Bone rongeur  
140 mm, 5 1/2"



**LUER-FRIEDMANN**

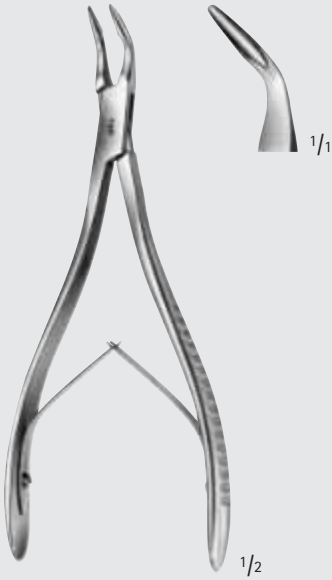
**FO409R**

Hohlmeißelzangen  
Bone rongeurs  
145 mm, 5 3/4"



Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs  
Hohlmeißelzangen  
Bone Rongeurs

FO



FO413R

150 mm, 6"



FO410R

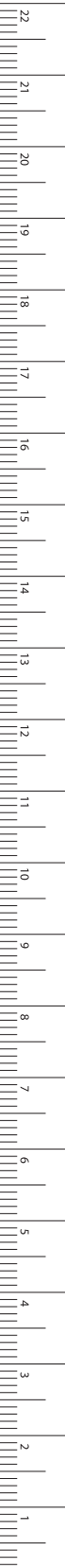
140 mm, 5 1/2"



LUER

FO411R

150 mm, 6"



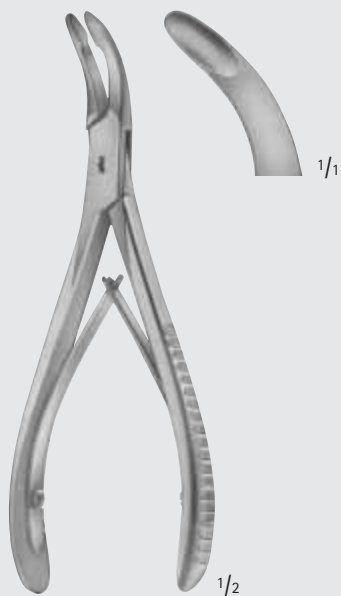
MILLIMETERS

# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Hohlmeißelzangen

Bone Rongeurs

FO



LUER

**FO412R**

155 mm, 6"



BLUMENTHAL

**FO415R**

155 mm, 6"



BLUMENTHAL

**FO416R**

150 mm, 6"



1/1  
seitwärts  
gebogen  
curved  
to side

HAKANSSON

**FO428R**

170 mm, 6 3/4"



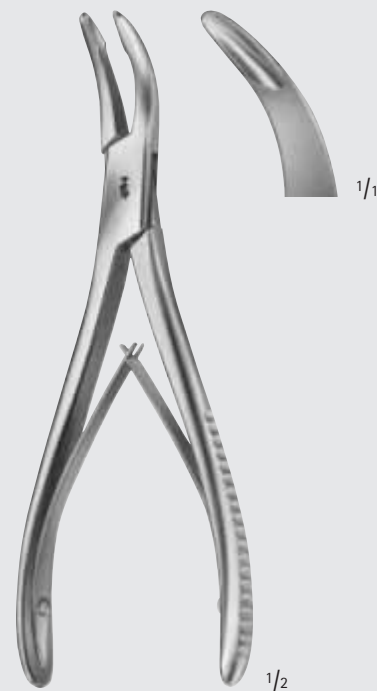
**FO430R**

**FO432R**

JANSEN

**FO430R-FO432R**

175 mm, 7"



BANE-HARTMANN

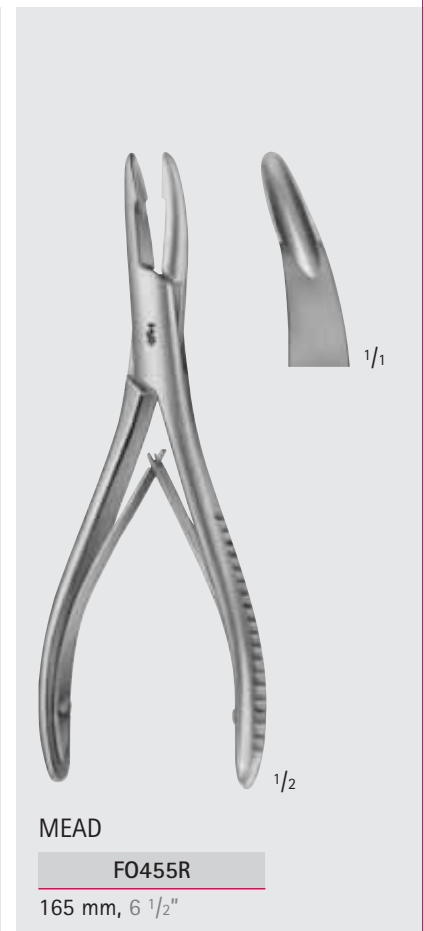
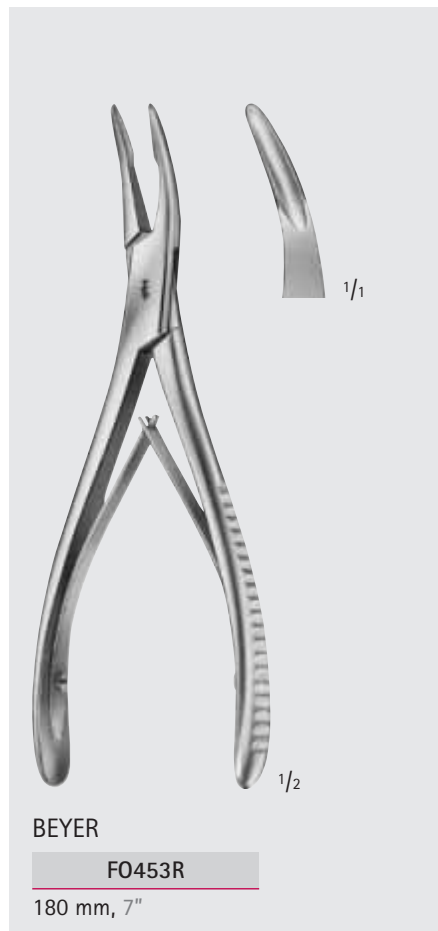
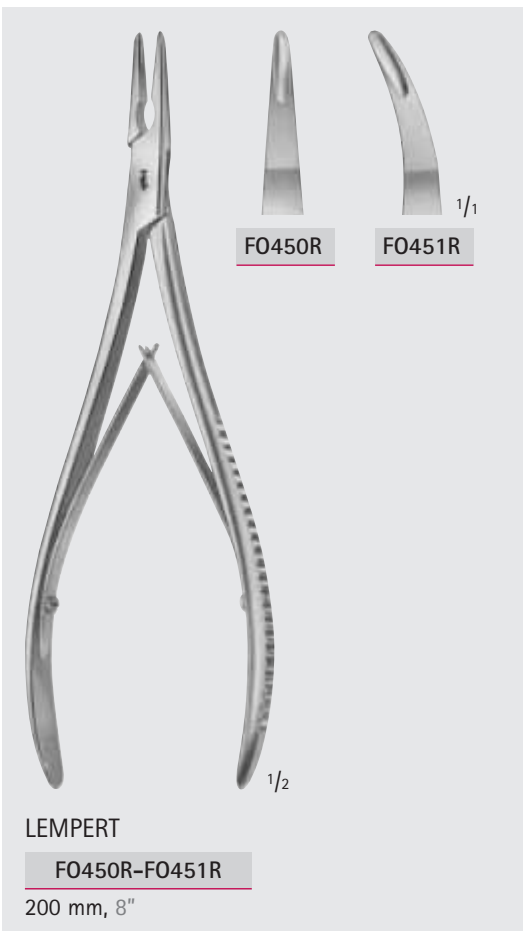
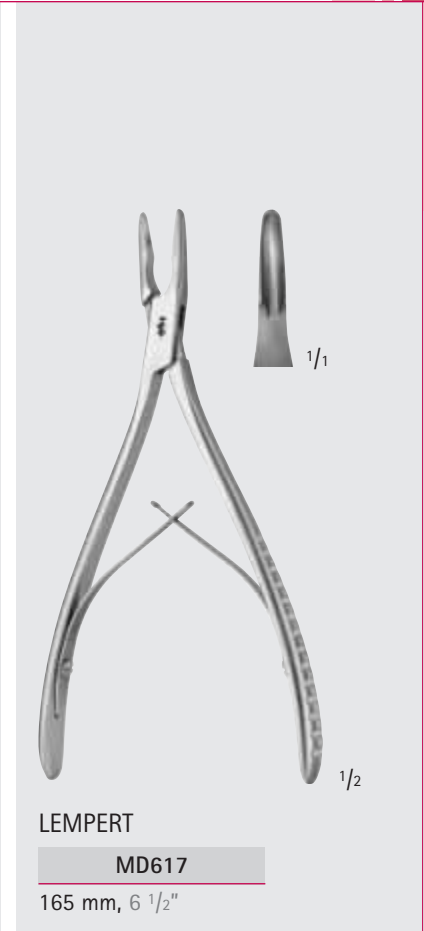
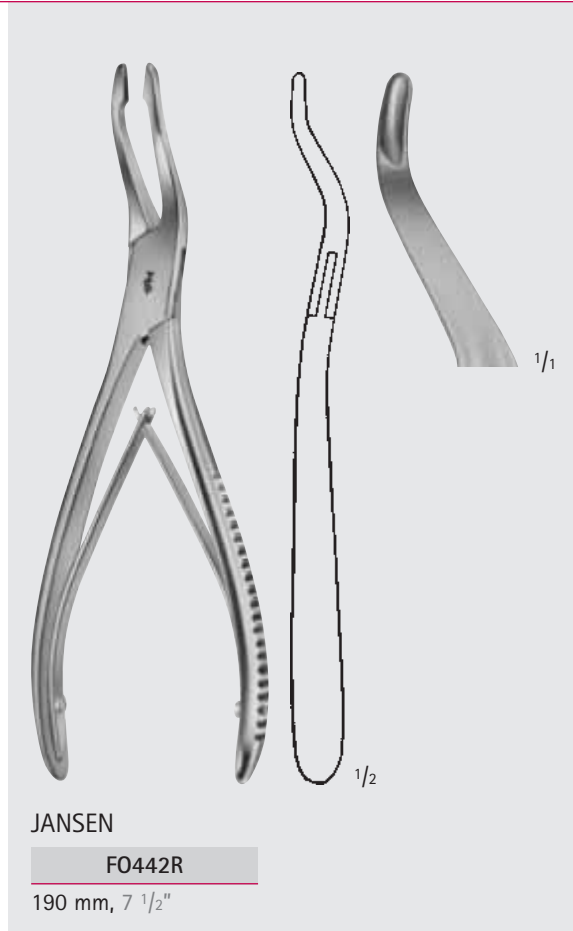
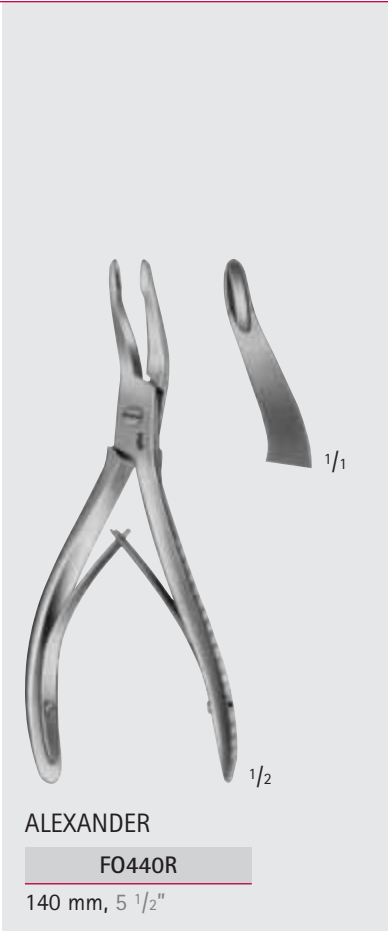
**FO457R**

175 mm, 7"



Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs  
Hohlmeißelzangen  
Bone Rongeurs

FO

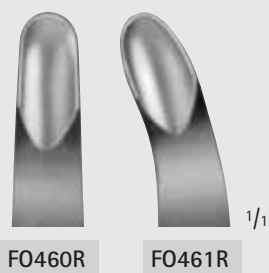


# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Hohlmeißelzangen

Bone Rongeurs

FO



FO460R

FO461R

1/2

LUER

FO460R-FO461R

175 mm, 7"



1/1

1/2

LUER

FO462R

180 mm, 7"



1/1

1/2

LUER

FO463R

180 mm, 7"



1/1

1/2

OLIVECRONA

FO470R

205 mm, 8"



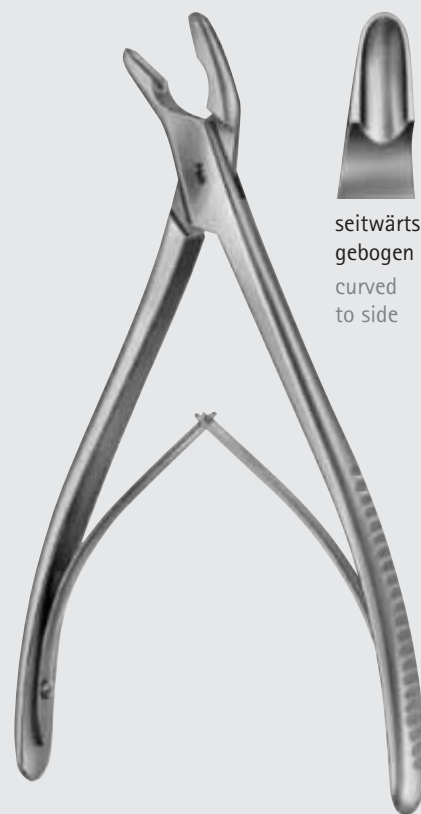
1/1

1/2

GULEKE

FO472R

205 mm, 8"



1/1

seitwärts  
gebogen  
curved  
to side

1/2

TROTTER

FO467R

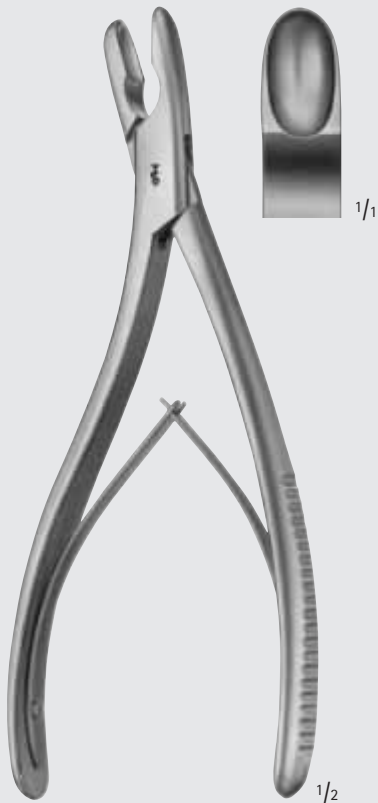
205 mm, 8"



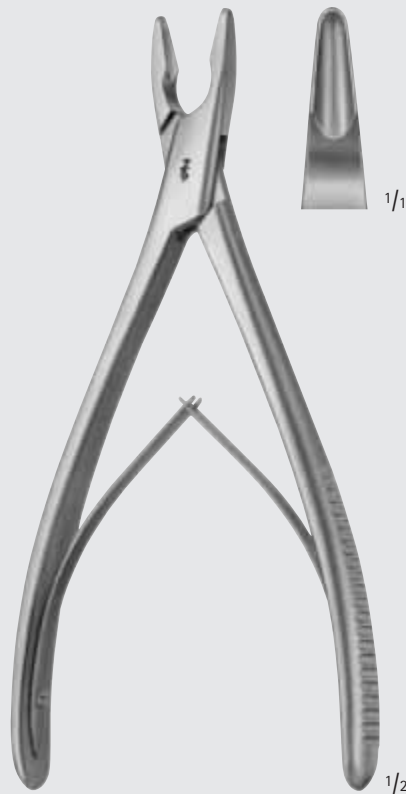


Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs  
Hohlmeißelzangen  
Bone Rongeurs

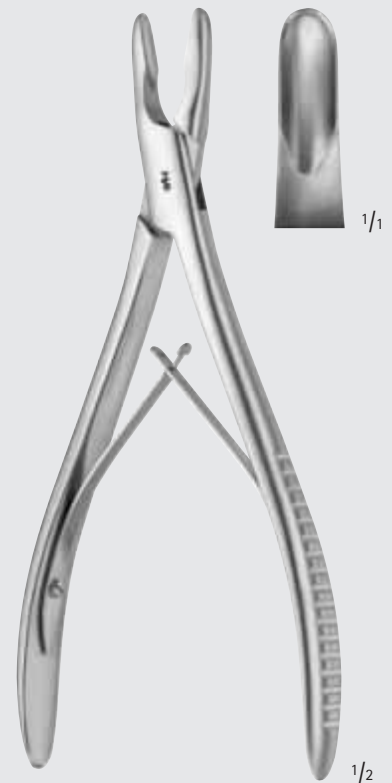
FO



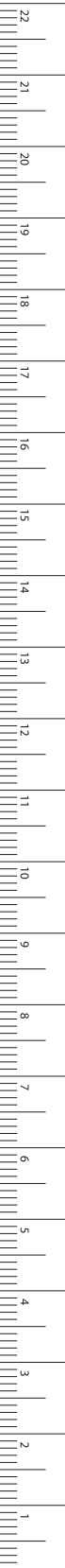
NORTHFIELD  
FO474R  
210 mm, 8 1/4"



PENNYBACKER  
FO475R  
205 mm, 8"



ADSON  
MD615  
200 mm, 8"



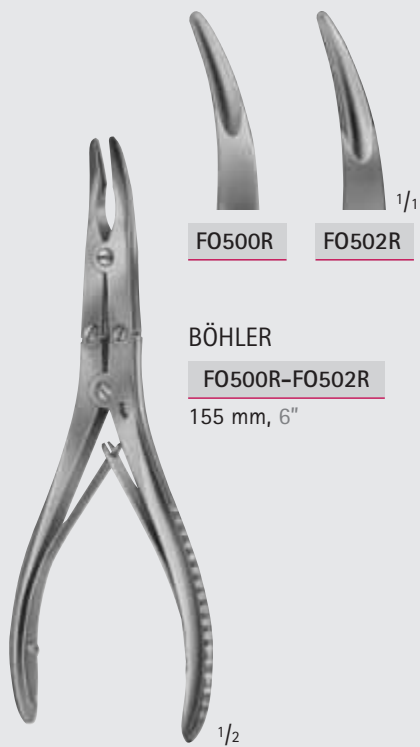
MILLIMETERS

# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Hohlmeißelzangen

Bone Rongeurs

FO



FO500R FO502R

BÖHLER

FO500R-FO502R

155 mm, 6"



MAYFIELD

FO511R

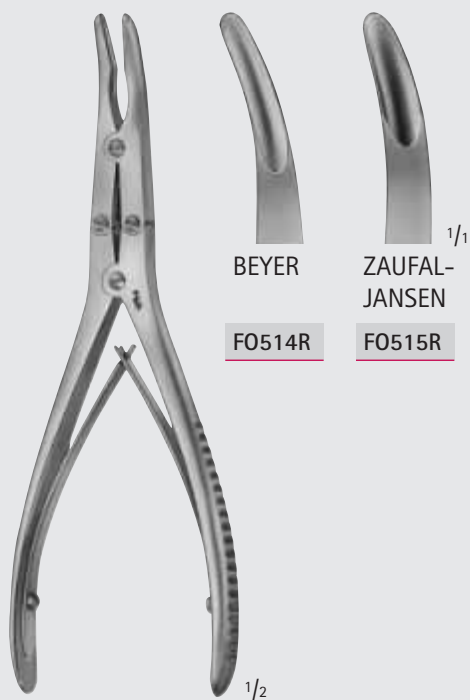
175 mm, 7"



MARQUARDT

FO520R

200 mm, 8"



BEYER

FO514R

ZAUFAL-  
JANSEN

FO515R

FO514R-FO515R

180 mm, 7"



RUSKIN

FO518R

190 mm, 7 1/2"



RÖTTGEN-RUSKIN

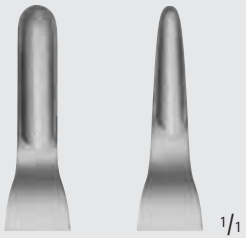
FO521R

240 mm, 9 1/2"



Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs  
Hohlmeißelzangen  
Bone Rongeurs

FO



FO526R

FO527R

1/1



1/2

LEKSELL

FO526R-FO527R

245 mm, 9 3/4"



FO522R

FO523R

1/1

1/2

ECHLIN

FO522R-FO523R

230 mm, 9"



1/1

1/2

FRYKHOLM

FO525R

240 mm, 9 1/2"



MILLIMETERS

# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Hohlmeißelzangen

Bone Rongeurs

FO



STILLE

FO530R

230 mm, 9"



LEKSELL-STILLE

FO532R

240 mm, 9 1/2"



STILLE-RUSKIN

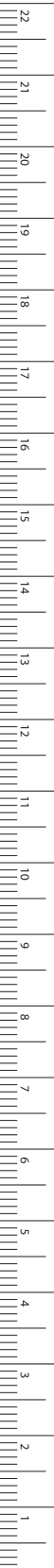
FO534R

240 mm, 9 1/2"



Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs  
Hohlmeißelzangen  
Bone Rongeurs

FO



MILLIMETERS



LUER-STILLE

FO550R

225 mm, 9"



LUER-STILLE

FO551R

225 mm, 9"



SYPERT

FG052R

360 mm, 14 1/2"

**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
Hohlmeißelzangen  
Bone Rongeurs

FO



LUER-STILLE

FO566R

270 mm, 10 3/4"



SEMB

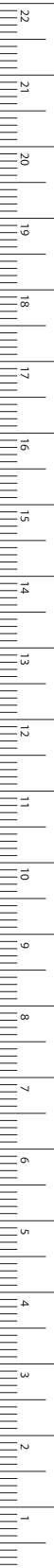
FO555R

240 mm, 9 1/2"



Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs  
Hohlmeißelzangen  
Bone Rongeurs

FO



MILLIMETERS



1/2



FO570R



1/1

FO572R

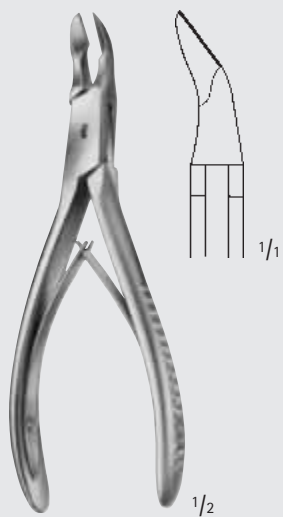
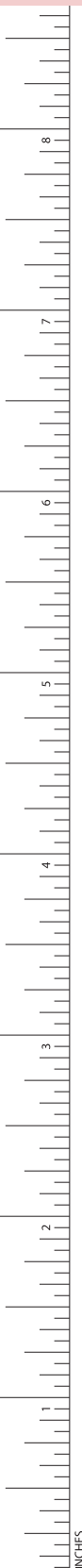
SAUERBRUCH-CORYLLOS

FO570R-FO572R

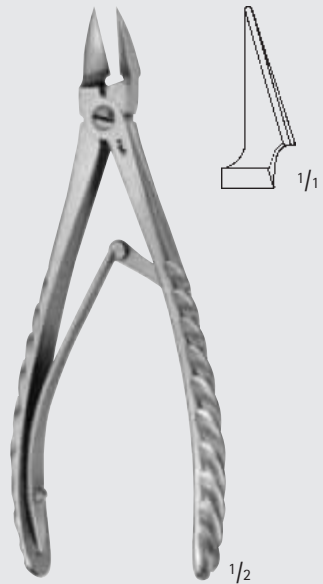
310 mm, 12 3/8"

**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Knochensplitterzangen  
 Bone Cutting Forceps

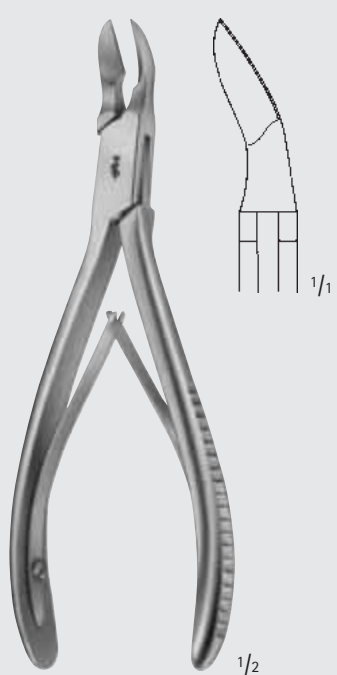
**FO**



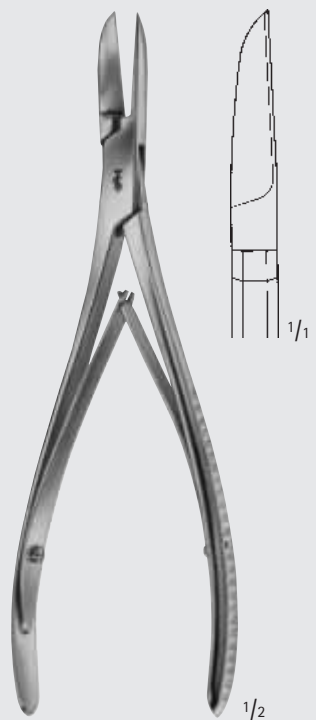
**FO601R**  
 130 mm, 5 1/8"



**STAMM**  
**FO604R**  
 150 mm, 6"



**FO602R**  
 170 mm, 6 3/4"



**KAZANJIAN**  
**OK378R**  
 185 mm, 7 1/2"



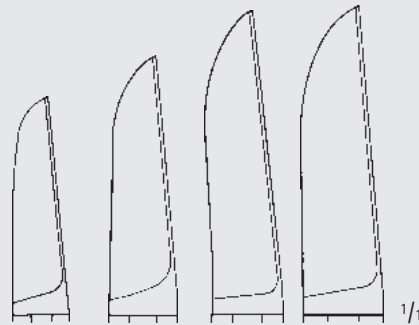


**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
**Knochensplitterzangen**  
**Bone Cutting Forceps**

**FO**



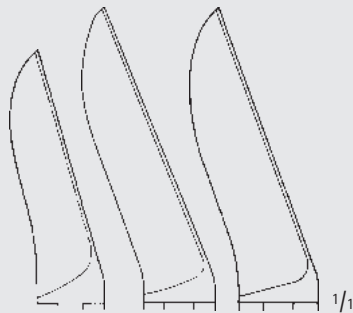
MILLIMETERS



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



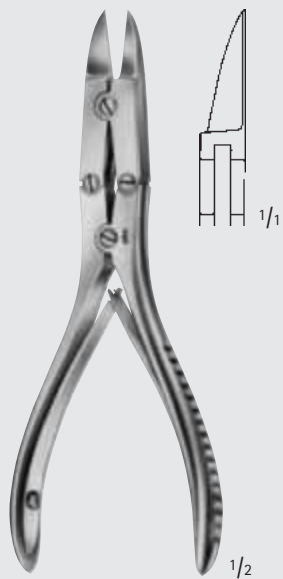
FO632R	FO634R	FO636R
170 mm	200 mm	220 mm
6 3/4"	8"	8 3/4"

LISTON

FO632R-FO636R

**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Knochensplitterzangen  
 Bone Cutting Forceps

FO



**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**

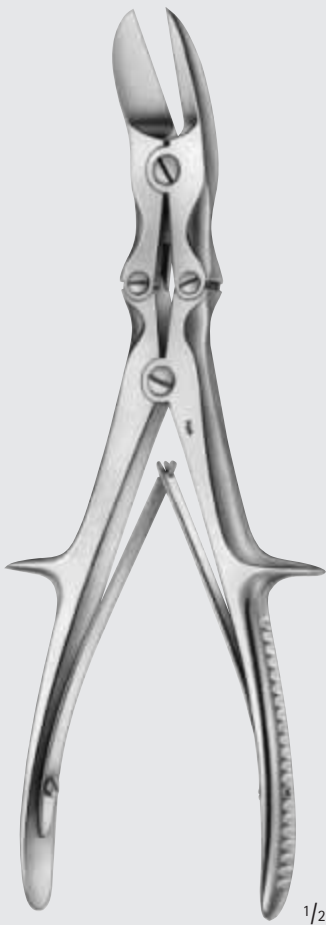
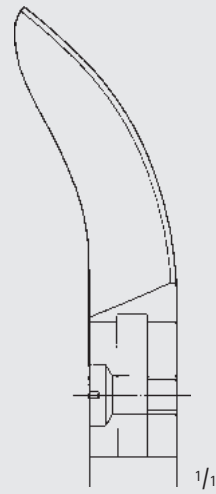
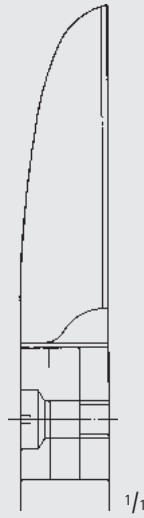
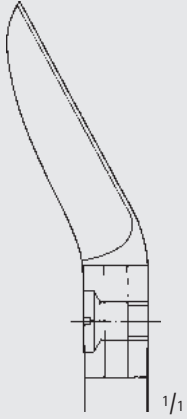
**FO641R**

190 mm, 7 1/2"



**Knochenhaltezzangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
**Knochensplitterzangen**  
**Bone Cutting Forceps**

**FO**



**LISTON**

**FO645R**

aufgebogen  
 curved on flat  
 240 mm, 9 1/2"

**LISTON**

**FO646R**

gerade  
 straight  
 280 mm, 11"

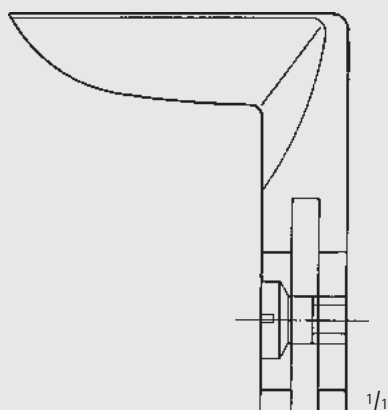
**LISTON**

**FO647R**

aufgebogen  
 curved on flat  
 280 mm, 11"

**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Knochensplitterzangen  
 Bone Cutting Forceps

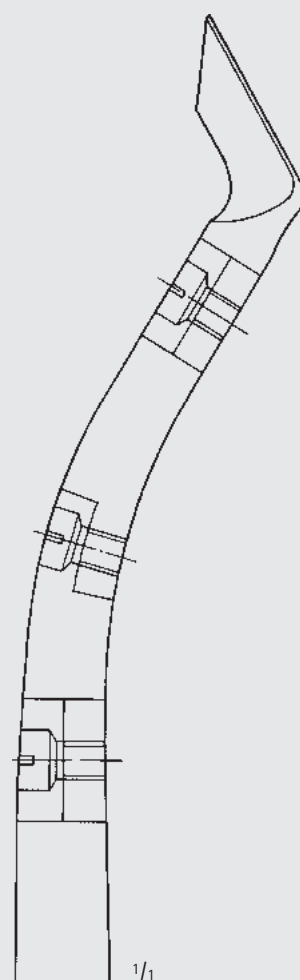
**FO**



**LISTON-STILLE**

**FO648R**

265 mm, 10 1/2"



**LISTON-KEY-HORSLEY  
 (TUDOR EDWARDS)**

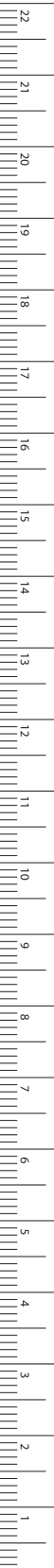
**FO649R**

255 mm, 10"



**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Meniskus- und Knorpelzangen  
 Meniscus- and Cartilage Forceps

**FO**



**BIRCHER**  
**FO800R**  
 200 mm, 8"

**BIRCHER**  
**FO801R**  
 200 mm, 8"

**WELLER**  
**FO807R**  
 200 mm, 8"

**BIRCHER-GANSKE**  
**FO808R**  
 200 mm, 8"

**BIRCHER-GANSKE**  
**FO810R**  
 200 mm, 8"

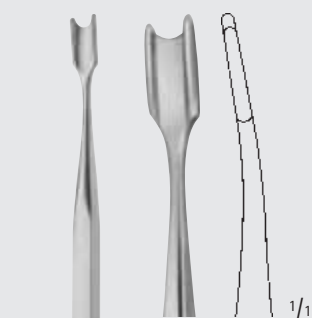
**MARTIN**  
**FO816R**  
 205 mm, 8"

# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

Meniskusmesser

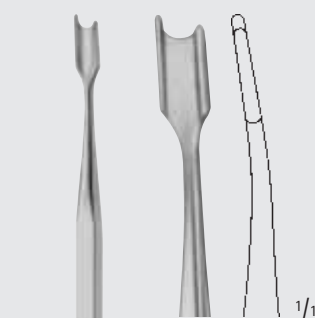
Meniscus Knives

FO



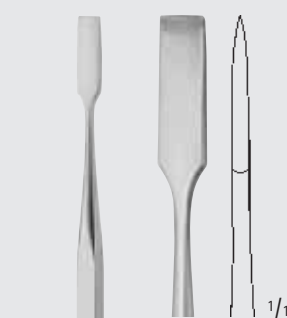
1  
SMILLIE  
1/2

**FO855R**  
170 mm, 6 3/4"



2  
SMILLIE  
1/2

**FO856R**  
170 mm, 6 3/4"



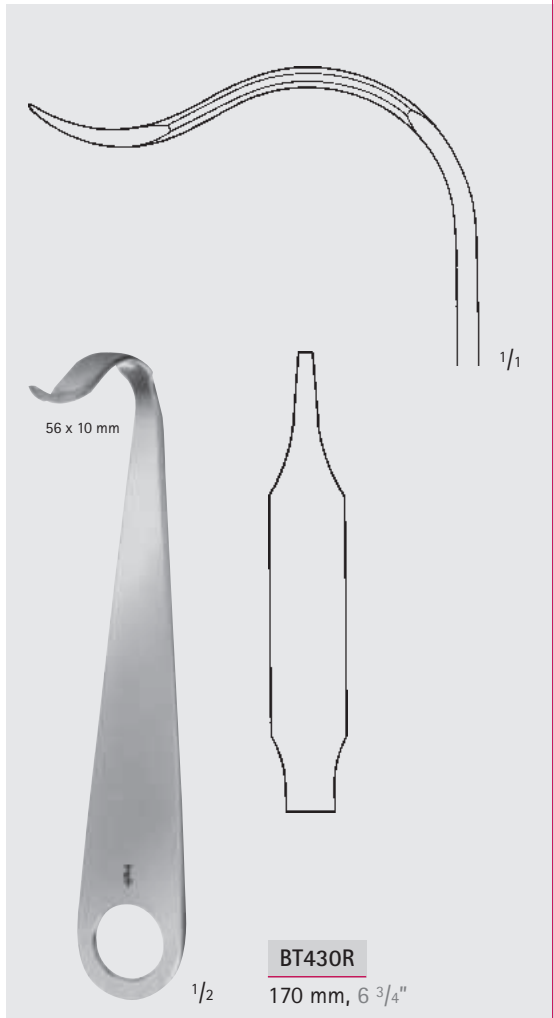
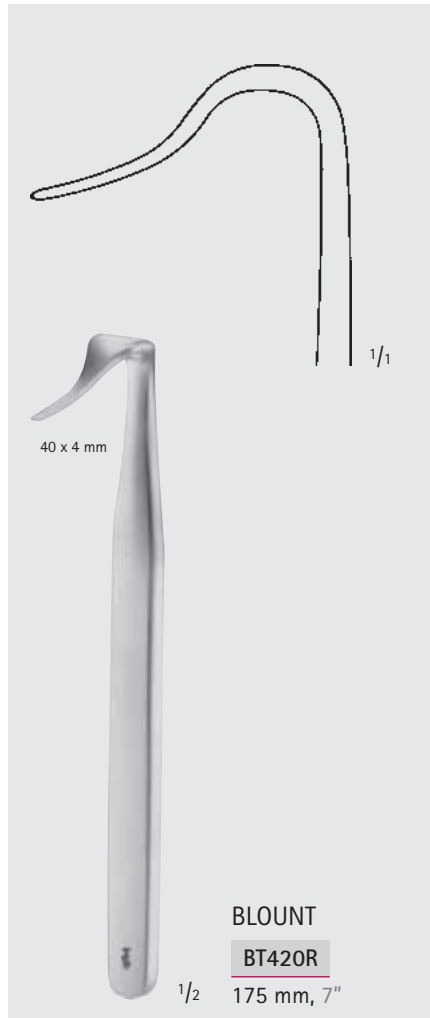
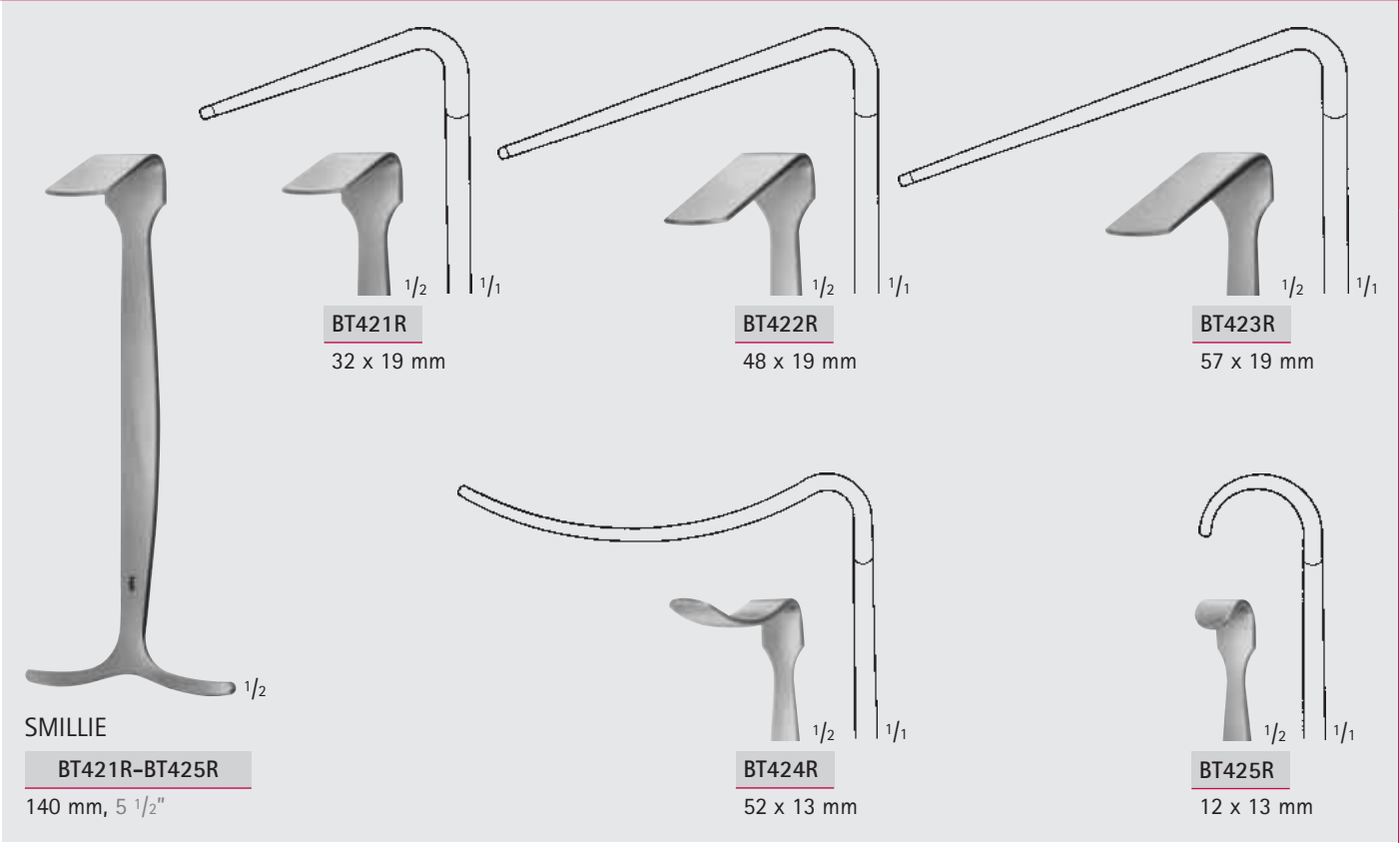
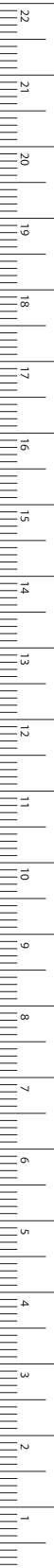
3  
SMILLIE  
1/2

**FO857R**  
170 mm, 6 3/4"



**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Wund- und Meniskushaken  
 Retractors and Knee Retractors

FO

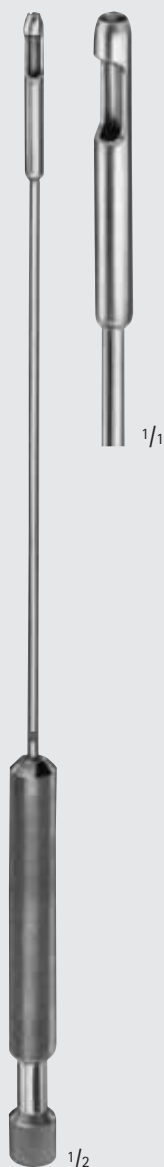


# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

## Sehnenstripper

## Tendon Strippers

FO



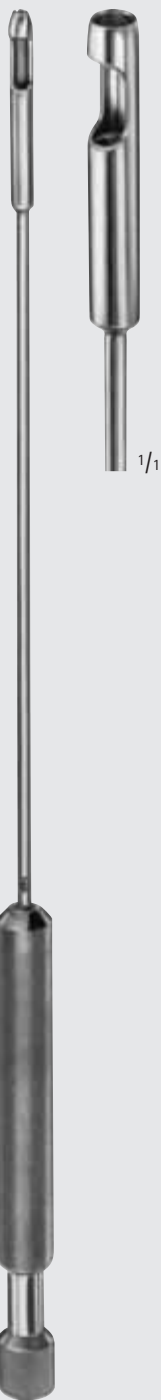
1/1

1/2

Ø  
diam.

**FO923R** 3 mm

Sehnenstripper  
Schaftlänge: 190 mm  
Tendon stripper  
Shaft length: 7 1/2"  
300 mm, 11 1/2"

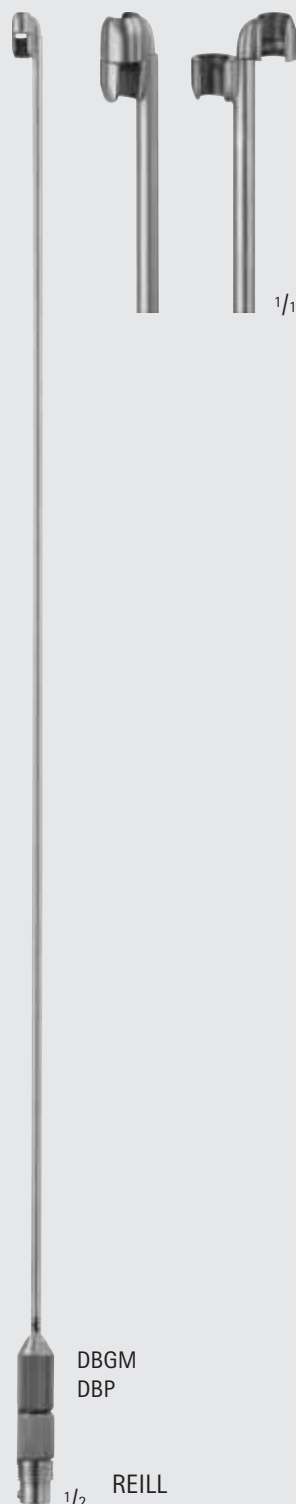


1/1

Ø  
diam.

**FO925R** 5 mm

Sehnenstripper  
Schaftlänge: 390 mm  
Tendon stripper  
Shaft length: 15 1/3"  
495 mm, 19 1/2"



1/1

DBGM  
DBP

REILL

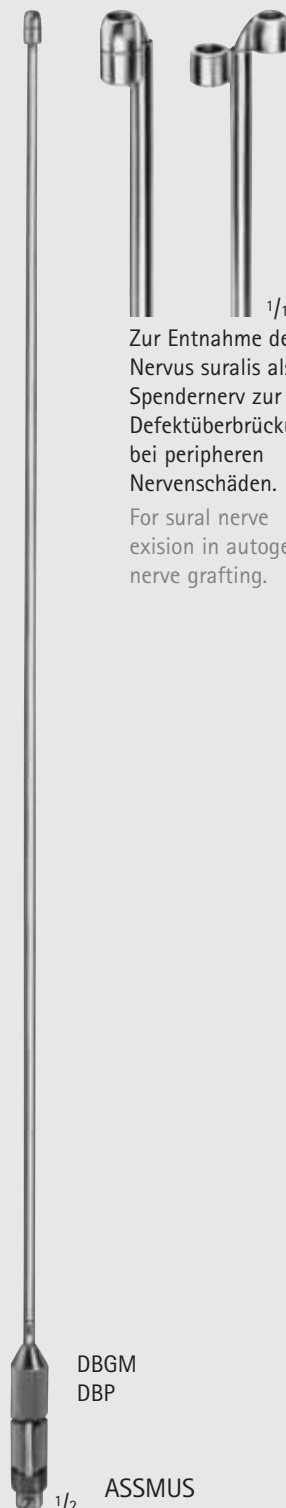
1/2

Ø  
diam.

**FO928R** 4 mm

**FO930R** 6 mm

Sehnenstripper  
Schaftlänge: 350 mm  
Tendon stripper  
Shaft length: 13 3/4"  
395 mm, 15 1/2"



1/1

DBGM  
DBP

ASSMUS

1/2

Ø  
diam.

**FO610R** 3 mm

Nervenstripper, stumpf  
Schaftlänge: 350 mm  
Nerve stripper, blunt  
Shaft length: 13 3/4"  
395 mm, 15 1/2"

Zur Entnahme des  
Nervus suralis als  
Spendernerve zur  
Defektüberbrückung  
bei peripheren  
Nervenschäden.

For sural nerve  
exision in autogenous  
nerve grafting.

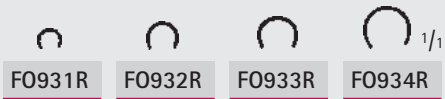




# Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

## Sehnenstripper Tendon Strippers

FO



FO931R FO932R FO933R FO934R <sup>1/1</sup>



BRUNNELL

	Ø diam.
FO931R	2 mm
FO932R	3 mm
FO933R	4 mm
FO934R	6 mm

135 mm, 5 1/4"

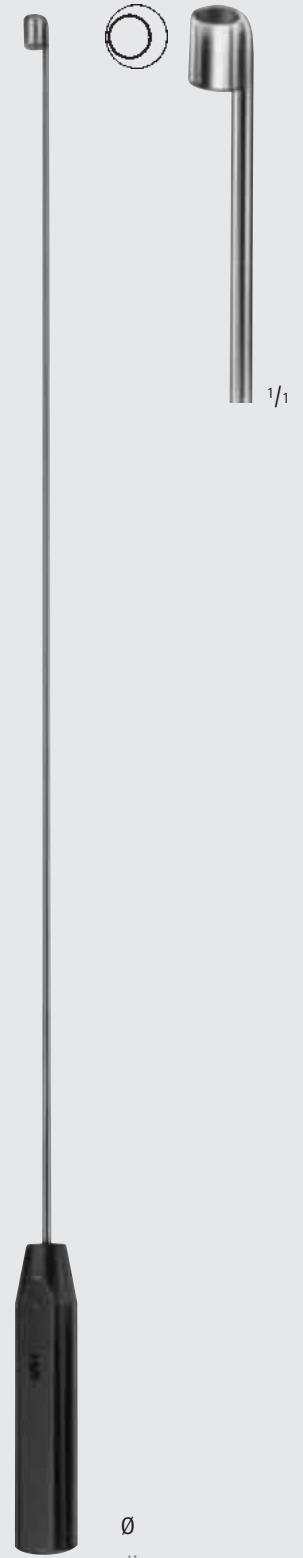


FO935R

FO937R <sup>1/1</sup>

	Ø diam.
FO935R	3 mm
FO937R	5 mm

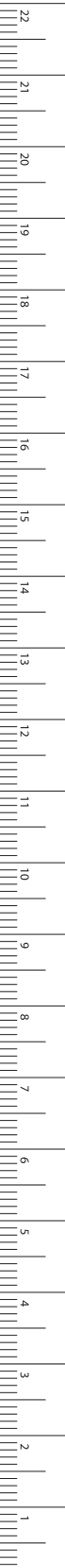
300 mm, 12"



FO939R <sup>1/1</sup>

500 mm, 19 1/2"

	Ø diam.
FO939R	5 mm



MILLIMETERS

**Knochenhaltezangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs**  
 Sehnedurchziehsonden  
 Tendon Passing Probes

**FO**



1/2

**BUNNELL**

**FO940R**

230 mm, 9"



1/2

Knopf-Ø  
diam. of tip

**BN034R** 2,5 mm

145 mm, 5 3/4"



1/2

Knopf-Ø  
diam. of tip

**BN036R** 2,5 mm

160 mm, 6 1/4"



1/2

Knopf-Ø  
diam. of tip

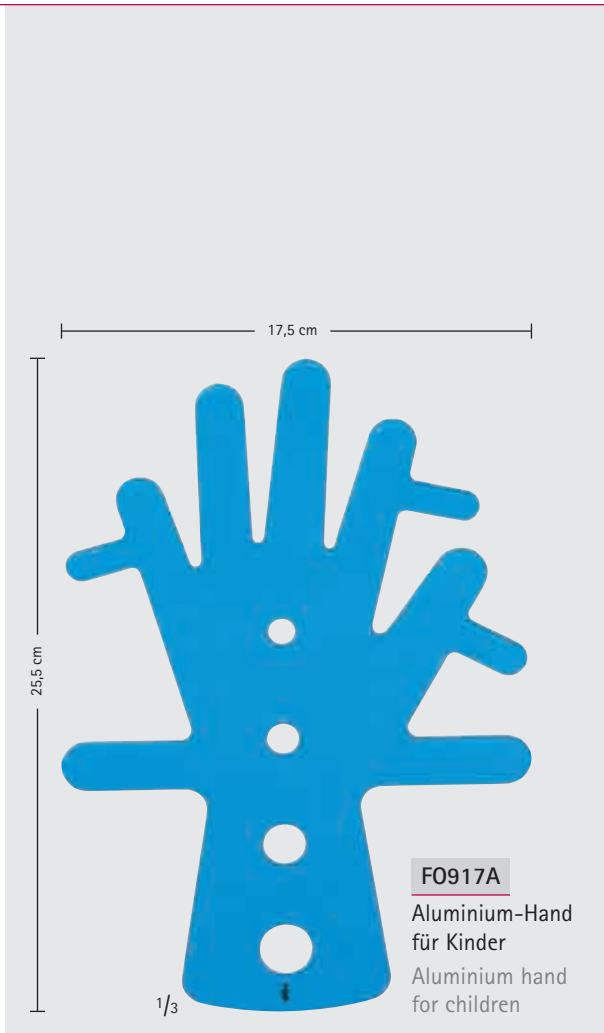
**BN040R** 3,0 mm

200 mm, 8"

# Knochenhaltezzangen, Hohlmeißelzangen – Bone Holding Forceps, Bone Rongeurs

## Bleihände, Handfixierplatte

### Lead Hands, Hand Fixation Plate





INCHES



LX



**Drahtextension, Handbohrapparate,  
Ahlen, Pfrieme**

Wire Extension, Hand Drills, Awls

**Drahtextension – Wire extension**  
 Handbohrapparat  
 Hand Drill

LX



**FF057R**

Verlängerungsstück allein  
 Extension piece only

1/2

**FF056R**

Bogen allein  
 Brace only

HUDSON

**FF055R**

Handbohrapparat komplett,  
 bestehend aus:

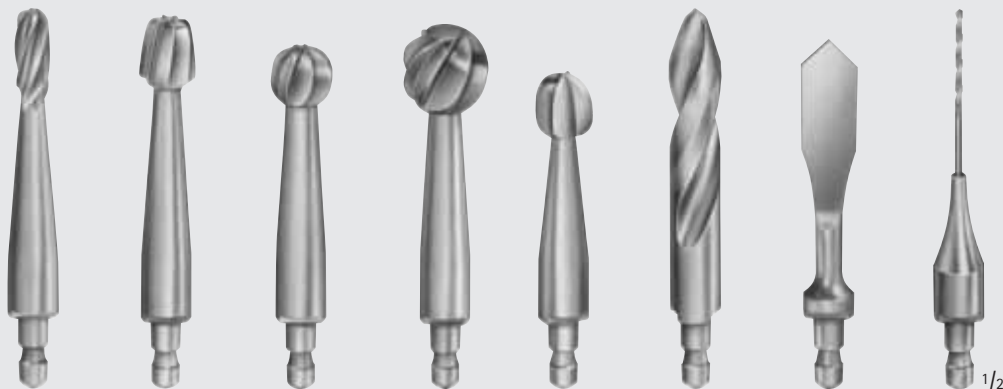
- FF056R Bogen
- FF057R Verlängerungsstück
- FF061R Fräser
- FF062R Fräser
- FF063R Fräser
- FF064R Fräser

Hand drill complete,  
 consisting of:

- FF056R Brace
- FF057R Extension piece
- FF061R Burr
- FF062R Burr
- FF063R Burr
- FF064R Burr

Bohrer und Fräser auf dieser Seite passen auf FF056R und FF057R.  
**Achtung:** Nicht passend für den Handbohrapparat HUDSON DOWNS  
 auf Seite 1053.

Perforators and burrs on this page fit onto FF056R and FF057R.  
**Attention:** Does not fit onto the hand drill HUDSON DOWNS  
 on page 1053.



HUDSON

HUDSON

HUDSON

HUDSON

ADSON

MC KENZIE

CUSHING

**FF061R**

**FF062R**

**FF063R**

**FF064R**

**FF065R**

**FF066R**

**FF067R**

**FF068R**

Ø 9 mm

Ø 14 mm

Ø 16 mm

Ø 22 mm

Ø 15 mm

Ø 13 mm

Ø 14 mm

Ø 2 mm

1/2



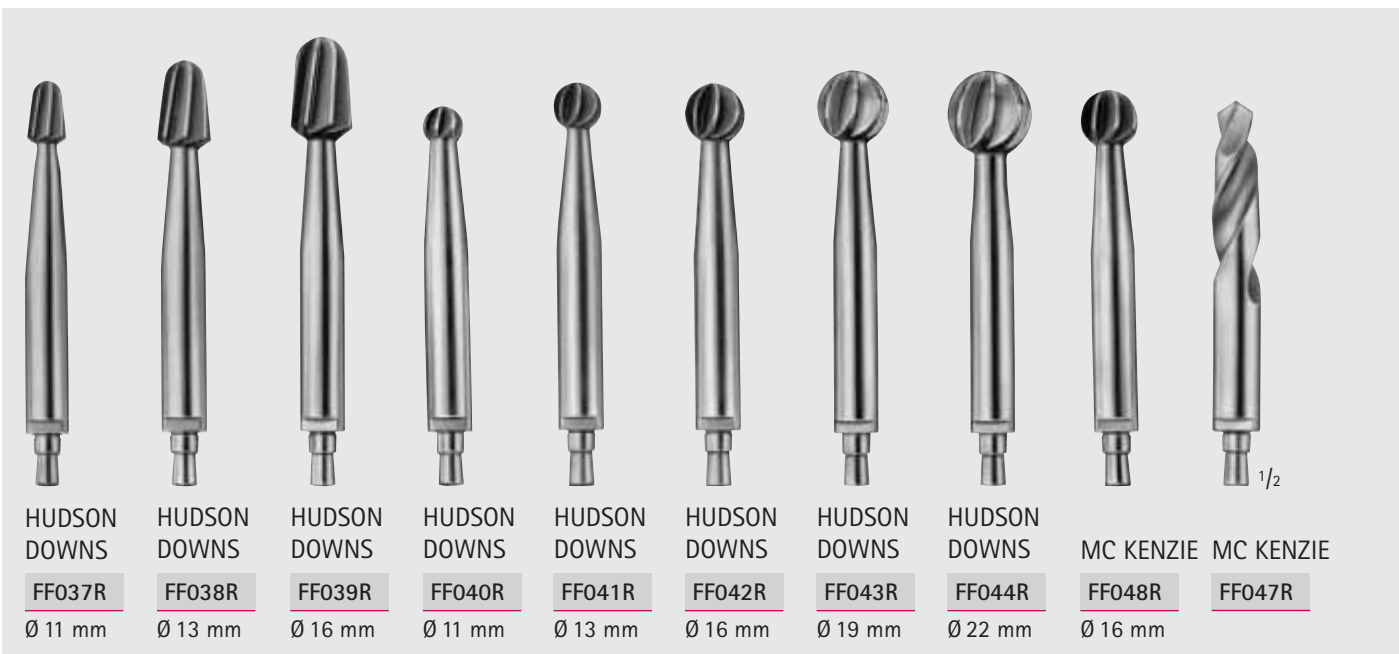
## Drahtension – Wire extension

Handbohrapparat  
Hand Drill

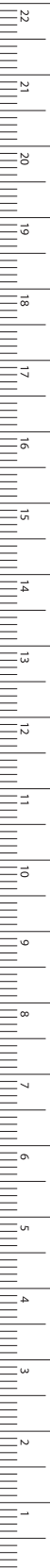


Bohrer und Fräser auf dieser Seite passen auf FF052R und FF053R.  
**Achtung:** Nicht passend für den Handbohrapparat HUDSON auf Seite 1052.

Perforators and burrs on this page fit FF052R and FF053R.  
**Attention:** Does not fit onto the hand drill HUDSON on page 1052.



X7



## Drahtextension – Wire extension

### Handbohrapparate, Spiralbohrer

### Hand Drills, Twist Drills



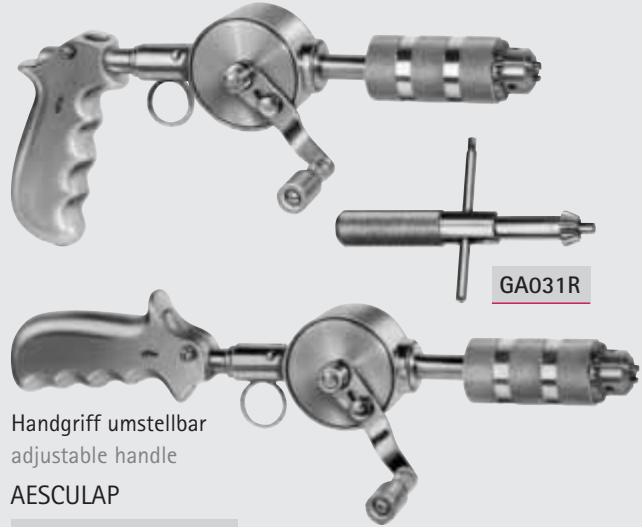
BUNNELL

**FRO05R**

Bohrapparat, kleines Modell, längsdurchbohrt, für Spickdrähte, mit 3-Backen-Spannfutter für Schäfte bis Ø 4,0 mm.

Small hand drill, cannulated for KIRSCHNER wires, with 3-jaw chuck, to fit any size of shanks up to 4.0 mm diameter

160 mm, 6 1/4"



Handgriff umstellbar  
adjustable handle

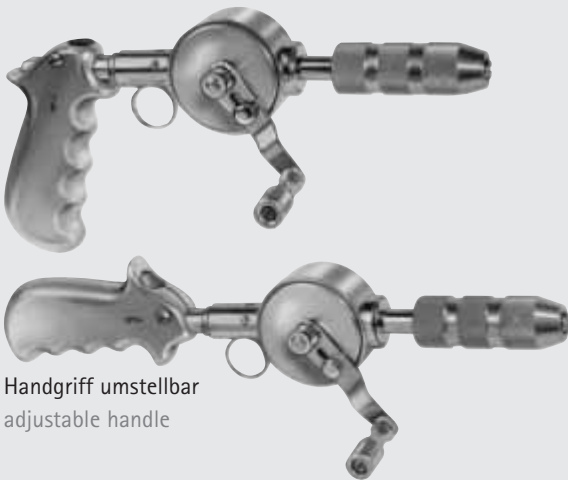
AESCULAP

**FRO11R**

Handbohrapparat, wie FRO10R, jedoch mit Original "Jacobs Chuck" (3-Backen-Spannfutter) und Spannschlüssel GA031R, Bedienung mit und ohne Spannschlüssel möglich.

Hand drill, stainless, as FRO10R, but equipped with an original "Jacobs Chuck" and key GA031R. Can be used with or without the key.

280 mm, 11"



Handgriff umstellbar  
adjustable handle

AESCULAP

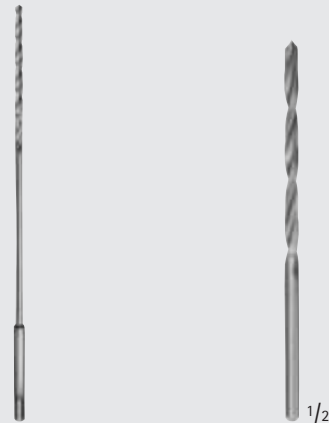
**FRO10R**

Handbohrapparat, nichtrostend, mit schlüssellosem 3-Backen-Spannfutter für Schäfte bis Ø 6,35 mm.

Spindel ist längsdurchbohrt zum Einspannen von Bohrdrähten n. KIRSCHNER. Mit Stoppvorrichtung für Kurbel während dem Spannen.

Hand drill, stainless, with 3-jaw chuck, to fit any size of shanks up to 6.35 mm diameter, no key needed. Cannulated spindle to fit KIRSCHNER wire drills. With stop device, for locking the spindle and crank when fitting and changing drills.

260 mm, 10 1/4"



Ø diam	3-Kant-Schaft Triangular shaft	Länge* mm Length* mm	Rundschaft Round shaft	Länge* mm Length* mm
1,0 mm				
1,5 mm			GC002R	70/40 mm
2,0 mm			GC004R	100/50 mm
2,5 mm	GC391R	175/135 mm	GC006R	100/50 mm
2,8 mm			GC007R	100/50 mm
3,0 mm			GC008R	100/60 mm
3,2 mm			GC009R	100/60 mm
3,5 mm	GC395R	210/170 mm	GC010R	100/60 mm
4,0 mm			GC012R	110/70 mm
4,5 mm	GC397R	210/170 mm	GC013R	150/80 mm
5,0 mm			GC014R	160/90 mm
6,0 mm			GC016R	160/90 mm

\*Gesamtlänge/Nutzlänge

\*Total length/Usable length

LX







**Drahtextension – Wire extension**  
Knochenbohrer, Ahlen  
Bone Drills, Awls

X1



**CHAMPIONNIÈRE**

**FR110R**  
Knochenbohrer  
Bone drill  
170 mm, 6 3/4"

1/2



**FR118R**  
Reibahle  
Reamer (Awl)  
150 mm, 6"

1/2



**FR120R**  
Reibahle  
Reamer (Awl)  
180 mm, 7"

1/2



**PERTHES**  
**FR125R**  
Reibahle  
Reamer (Awl)  
215 mm, 8 1/2"

1/2



MILLIMETERS

**Drahtension – Wire extension**  
 Unterbindungsnadeln  
 Ligature Needles

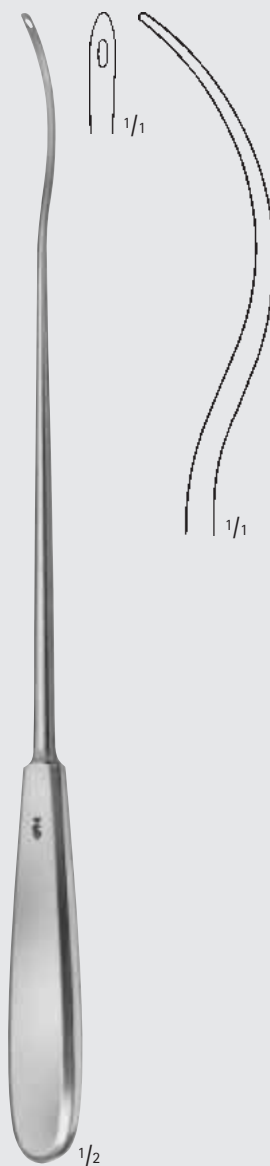
LX



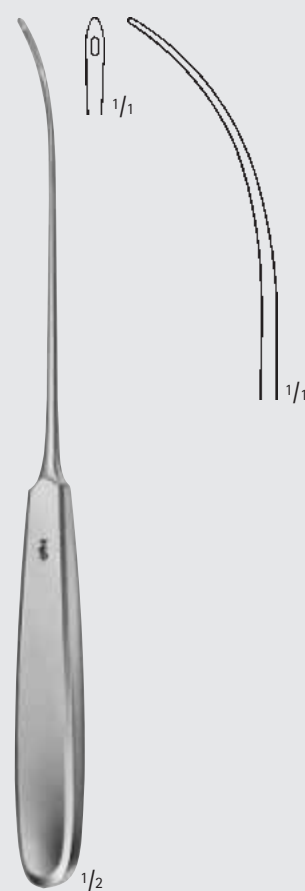
OBWEGESER  
**DO811R**  
 230 mm, 9"



OBWEGESER  
**DO812R**  
 195 mm, 7 3/4"



BRUNNER  
**BM831R**  
 300 mm, 12"



**BM861R**  
 biegsam  
 malleable  
 230 mm, 9"



## Drahtextension – Wire extension

### Biopsie-Instrumente Biopsy Instruments

Auch sehr gut geeignet zum Freilegen von abgebrochenen Knochenschrauben.  
Can also be used for removal of broken bone screws.



**FR140R**

Innen-Ø 3,9 mm  
Außen-Ø 5 mm  
inside-diam. 3.9 mm  
outside-diam. 5 mm



**FR141R**

Innen-Ø 6,4 mm  
Außen-Ø 8 mm  
inside-diam. 6.4 mm  
outside-diam. 8 mm

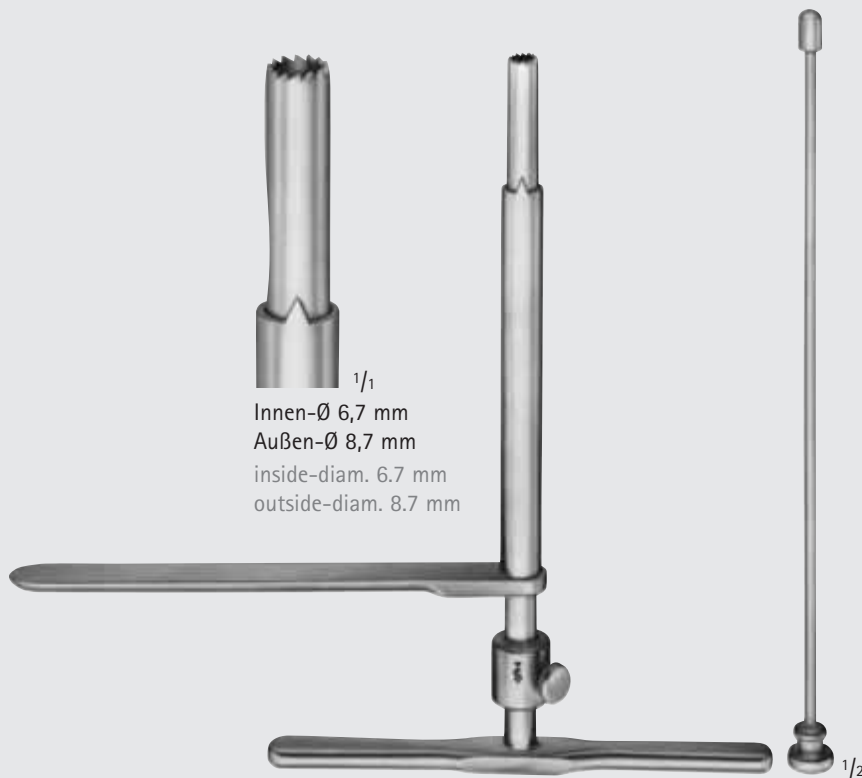
**FR140R-FR141R**

Knochenbiopsie-Instrument  
Hollow mills (bone biopsy trephine)  
160 mm, 6 1/4"



1/1

Innen-Ø 6,7 mm  
Außen-Ø 8,7 mm  
inside-diam. 6.7 mm  
outside-diam. 8.7 mm



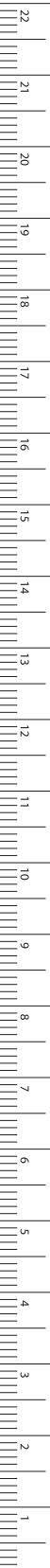
1/2

R.N.O.H.

**FR142R**

Knochenbiopsie-Instrument  
Bone biopsy trephine  
195 mm, 7 3/4"

X7



# Drahtextension – Wire extension

## Drahtextension

### Wire Extension

Implantatwerkstoff: Nichtrostender Stahl nach DIN 17 443 bzw. ISO 5832/I (AISI 316 L)

Material used for implants: stainless steel acc. to DIN 17 443 resp. ISO 5832/I (AISI 316 L)

mit beidseitiger  
Trokarspitze  
with trocar point  
on each end

mit Trokarspitze  
with trocar point

mit Trokarspitze  
with trocar point

mit flachem Ende  
with flat shaft

mit rundem Ende  
with round shaft

KIRSCHNER

KIRSCHNER

KIRSCHNER

LX901S-LX957S

LX008S-LX025S

LX030S-LX047S

310 mm, 12"

Form nach DIN 58 823  
Type acc. to DIN 58 823  
310 mm, 12"

Ø diam.	102 mm 4"	127 mm 5"	152 mm 6"	229 mm 9"	305 mm 12"
0,8 mm	LX901S	LX902S			
0,9 mm	LX911S	LX912S	LX913S	LX915S	LX917S
1,0 mm					
1,1 mm	LX921S	LX922S	LX923S	LX925S	LX927S
1,2 mm					
1,4 mm					
1,5 mm					
1,6 mm	LX951S	LX952S	LX953S	LX955S	LX957S
1,7 mm					
1,8 mm					
2,0 mm					
2,2 mm					
2,5 mm					
3,0 mm					

Ø diam.	
0,8 mm	LX008S
0,9 mm	
1,0 mm	LX010S
1,1 mm	
1,2 mm	LX012S
1,4 mm	LX014S
1,5 mm	LX015S
1,6 mm	LX016S
1,7 mm	LX017S
1,8 mm	LX018S
2,0 mm	LX020S
2,2 mm	LX022S
2,5 mm	LX025S
3,0 mm	

Ø diam.	
0,8 mm	LX030S
0,9 mm	
1,0 mm	
1,1 mm	
1,2 mm	LX032S
1,4 mm	LX034S
1,5 mm	LX035S
1,6 mm	LX036S
1,7 mm	
1,8 mm	LX038S
2,0 mm	LX040S
2,2 mm	LX042S
2,5 mm	LX045S
3,0 mm	LX047S

Bestelleinheit: PAK = Packung à 10 Stück  
Sales unit: Package of 10 pieces



## Drahtextension – Wire extension

### Drahtextension

### Wire Extension

Implantatwerkstoff: Nichtrostender Stahl nach DIN 17 443 bzw. ISO 5832/I (AISI 316 L)

Material used for implants: stainless steel acc. to DIN 17 443 resp. ISO 5832/I (AISI 316 L)

mit Trokarspitze  
with trocar point



mit rundem Ende  
with round shaft

**KIRSCHNER**

**LX098S-LX100S**

70 mm, 2 3/4"

Ø diam.	
0,8 mm	LX098S
1,0 mm	LX100S
1,2 mm	
1,4 mm	
1,5 mm	
1,6 mm	
1,7 mm	
1,8 mm	
2,0 mm	
2,2 mm	
2,5 mm	
3,0 mm	

mit Trokarspitze  
with trocar point



mit flachem Ende  
with flat shaft

**KIRSCHNER**

**LX108S-LX125S**

Form nach DIN 58 823  
Type acc. to DIN 58 823  
150 mm, 6"

Ø diam.	
0,8 mm	LX108S
1,0 mm	LX110S
1,2 mm	LX112S
1,4 mm	LX114S
1,5 mm	LX115S
1,6 mm	LX116S
1,7 mm	LX117S
1,8 mm	LX118S
2,0 mm	LX120S
2,2 mm	LX122S
2,5 mm	LX125S
3,0 mm	

mit Trokarspitze  
with trocar point



mit rundem Ende  
with round shaft

**KIRSCHNER**

**LX128S-LX146S**

Form nach DIN 58 823  
Type acc. to DIN 58 823  
150 mm, 6"

Ø diam.	
0,8 mm	LX128S
1,0 mm	LX130S
1,2 mm	LX132S
1,4 mm	LX134S
1,5 mm	LX135S
1,6 mm	LX136S
1,7 mm	LX137S
1,8 mm	LX138S
2,0 mm	LX140S
2,2 mm	LX142S
2,5 mm	LX145S
3,0 mm	LX146S

Biegeinstrumente  
für Bohrdrähte  
Bending iron for  
boring wires

Dampfsterilisierbar  
bis 143 °C (3 bar)  
Can be sterilized  
in a steam sterilizer  
up to 143 °C  
(3 bar)



1/2

**LX175S**

bis Ø 2,7 mm  
up to 2.7 mm  
diam.

120 mm, 4 3/4"



1/2

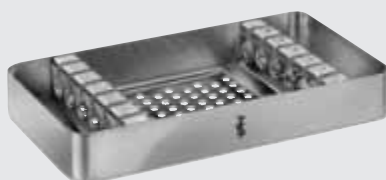
**WAGNER**

**LX180S**

bis Ø 3,0 mm  
up to 3.0 mm  
diam.

300 mm, 12"

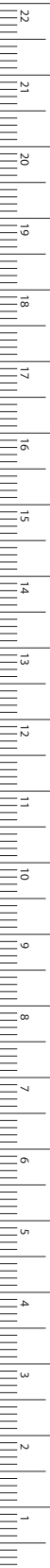
Bestelleinheit: PAK = Packung à 10 Stück  
Sales unit: Package of 10 pieces



**LX002R** 170 x 92 x 25 mm

Sortiergestell für Fingerdrähte bis max. 165 mm Länge,  
mit Kontroll-Lehre und Unterteilungen für Drähte mit  
1,0 - 1,2 - 1,4 - 1,6 - 1,8 und 2,0 mm Ø.  
Sterilizing rack for finger wires up to max. 165 mm long,  
with measuring scale and compartments for wires with  
1.0, 1.2, 1.4, 1.6, 1.8 and 2.0 mm diam.

X7



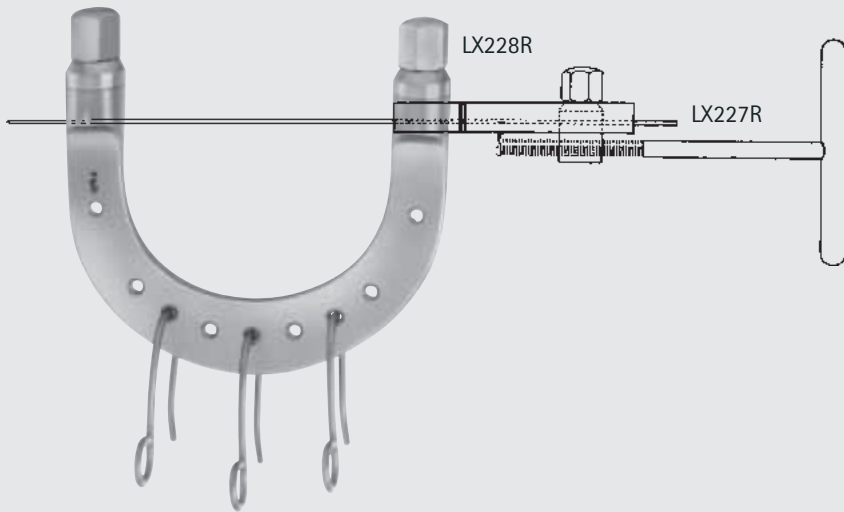
MILLIMETERS

## Drahtextension – Wire extension

Drahtextension

Wire Extension

SW17



KIRSCHNER

LX211R-LX218R

Extensionsbügel, zur Verwendung mit KIRSCHNER-Drähten bis Ø 2,5 mm, mit 3 Zughaken, aus nichtrostendem Stahl  
Wire traction bows, to be used with KIRSCHNER-wires up to 2.5 mm diam., with 3 hooks, stainless steel

Lichte Maße

Inside dimensions

Weite

Width

Tiefe

Depth

LX211R	200 mm, 8"	155 mm, 6"	für die Hüfte	for the hip
LX212R	155 mm, 6"	155 mm, 6"	für den Oberschenkel	for the femur
LX213R	135 mm, 5 1/4"	130 mm, 5 1/8"	für das Knie	for the knee
LX214R	120 mm, 4 3/4"	120 mm, 4 3/4"	für das Knie	for the knee
LX215R	105 mm, 4 1/8"	100 mm, 4"	für das Knie	for the knee
LX216R	95 mm, 3 3/4"	110 mm, 4 3/8"	für das Fersenbein	for the calcaneus
LX218R	95 mm, 3 3/4"	70 mm, 2 3/4"	für den Arm und Ellenbogen	for the arm and elbow

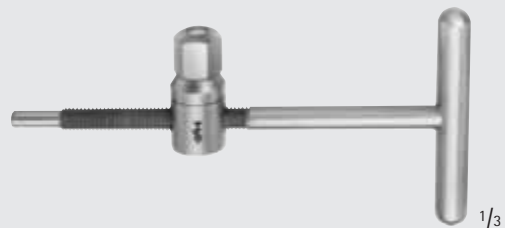
SW17



SW14

LX225C

Spannschlüssel für Extensionsbügel LX211R - LX242R  
Wrench, double-ended, for wire traction bows LX211R - LX242R



LX227R

Spannschlüssel mit Klemmbacke, zum Spannen des Drahtes  
Wire tightener with clamping jaws



LX222R

Zughaken allein, großes Modell  
Traction hook only, large size



LX223R

Zughaken allein, kleines Modell  
Traction hook only, small size



LX228R

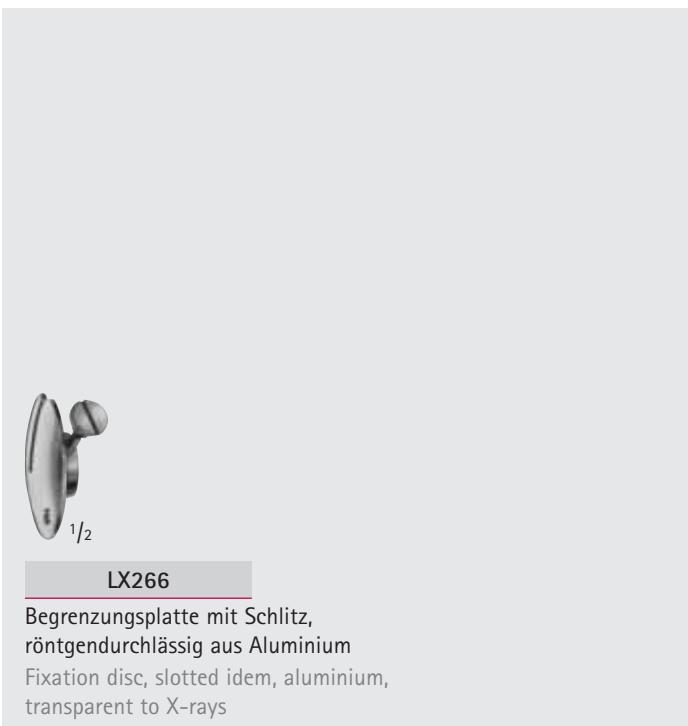
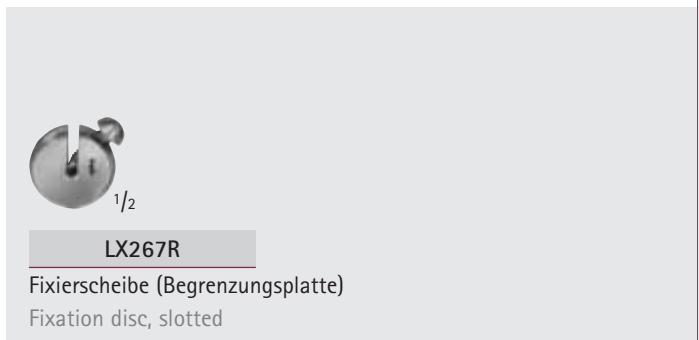
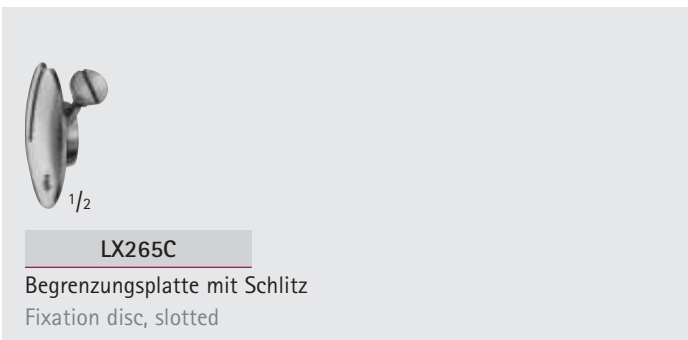
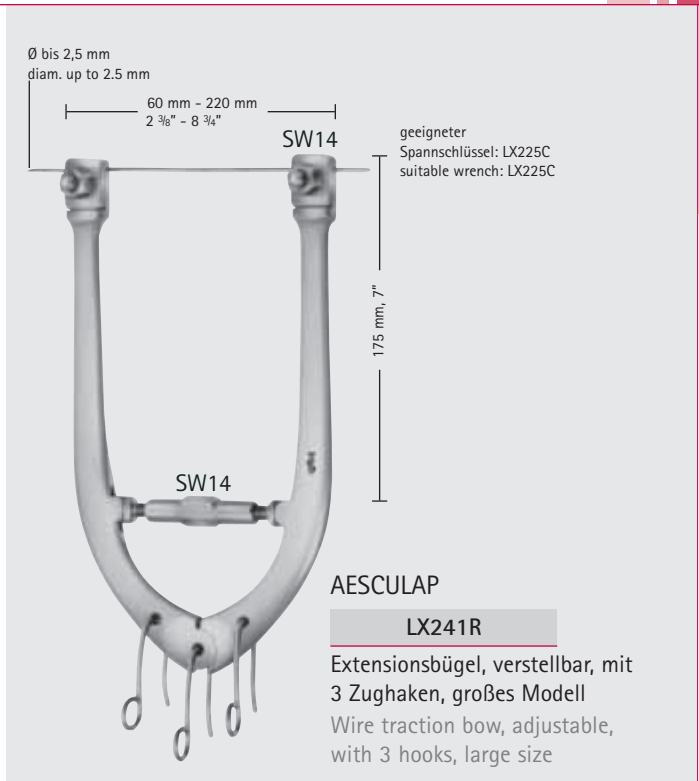
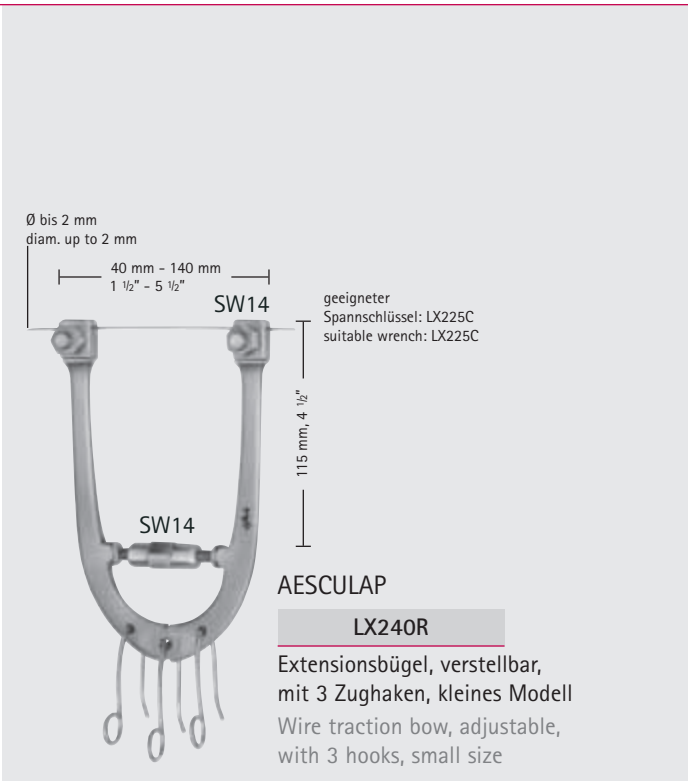
Fixierschlüssel zum Festhalten der Klemmschraube am Spannschlüssel LX227R  
Fixation clamp, to secure clamping jaw of LX227R, stainless steel



## Drahtextension – Wire extension

### Drahtextension Wire Extension

X1



MILLIMETERS

## Drahtextension – Wire extension

Extensionsbügel, Distraktor

Traction Bows, Distractor



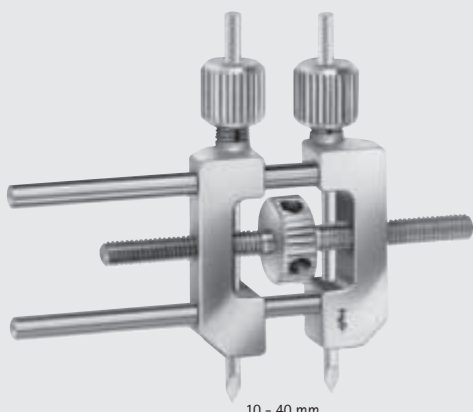
BÖHLER

LX204R–LX209R

Extensionsbügel,  
zur Verwendung von  
STEINMANN-Nägeln

Traction bows,  
to be used with  
STEINMANN pins

Ø diam. 4 mm		Ø diam. 5 mm		lichte Weite inside width	für for
LX204R	mit Nagel KX115S with pin KX115S			16 x 9 cm 6 1/4" x 3 1/2"	Arm arm
LX205R	ohne Nagel without pin	LX235R	ohne Nagel without pin	16 x 9 cm 6 1/4" x 3 1/2"	Arm arm
LX206R	mit Nagel KX118S with pin KX118S			21 x 11 cm 8 1/4" x 4 3/8"	Oberschenkel und Knie femur and knee
LX207R	ohne Nagel without pin	LX237R	ohne Nagel without pin	21 x 11 cm 8 1/4" x 4 3/8"	Oberschenkel und Knie femur and knee
LX208R	mit Nagel KX121S with pin KX121S			21 x 15 cm 8 1/4" x 6"	Oberschenkel und Knie femur and knee
LX209R	ohne Nagel without pin			21 x 15 cm 8 1/4" x 6"	Oberschenkel und Knie femur and knee



10 - 40 mm

LX310R

Kleiner Distraktor,  
zum Distrahieren und Komprimieren von  
kleinen Knochen, für Bohrdrähte Ø 3,0 mm

Small distractor,  
as a repositioning device for distraction and com-  
pression of small bones, for wires with 3.0 mm diam.





## Drahtension – Wire extension

### Nägel Pins

Implantatwerkstoff: Nichtrostender Stahl nach DIN 17 443  
bzw. ISO 5832/I (AISI 316 L)

Material used for implants: stainless steel acc. to DIN 17 443  
resp. ISO 5832/I (AISI 316 L)

X1



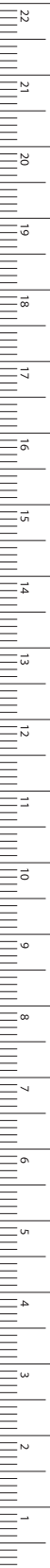
Länge length	Ø diam. 4 mm	Ø diam. 5 mm
80 mm	KX108S	
100 mm	KX110S	
120 mm	KX112S	
140 mm	KX114S	
150 mm	KX115S	KX245S
160 mm	KX116S	
180 mm	KX118S	KX248S
200 mm	KX120S	KX250S
210 mm	KX121S	
250 mm	KX125S	KX255S
300 mm		KX260S

#### STEINMANN

##### KX108S-KX260S

mit 3-Kant-Schaft und Trokarspitze  
Form C nach DIN 58 824

mit 3-Kant-Schaft und Trokarspitze  
Form C nach DIN 58 824



MILLIMETERS



KX262

Schutzkappe  
für STEINMANN-Nägel, Ø 4 mm  
Protection cap  
for STEINMANN pins, diam. 4 mm



KX261

Schutzkappe  
für STEINMANN-Nägel, Ø 5 mm  
Protection cap  
for STEINMANN pins, diam. 5 mm

## Drahtextension – Wire extension

### Handbohrfutter

### Drilling Chucks



FR105R

Handbohrfutter, längsdurchbohrt,  
Spannweite 0,8 - 2,0 mm Ø

Drilling chuck, cannulated,  
for shanks from  
0.8 mm - 2.0 mm diam.  
150 mm, 6"



FR103R

Handbohrfutter, längsdurchbohrt,  
Spannweite bis 4,5 mm Ø, mit  
Spannschlüssel GA062R

Drilling chuck, cannulated, for shanks  
up to 4.5 mm diam., with key GA062R  
140 mm, 5 1/2"

Spannbacken aus  
Implantatwerkstoff

Chuck jaws made of material  
used for implants



LX202S

Handbohrfutter, längsdurchbohrt,  
Spannweite bis 6,35 mm Ø,  
von Hand zu spannen

Drilling chuck, cannulated,  
for shanks up to 6.35 mm diam.,  
to be tightened by hand  
100 mm, 4"



LX210R

Handbohrfutter, längsdurchbohrt,  
Spannweite bis 4,5 mm Ø und für  
3-Kant-Schaft SW 4,7 (SCHANZsche  
Schrauben, STEINMANN Nägel), mit  
Spannschlüssel GA062R

Drilling chuck, cannulated, for  
shanks up to 4.5 mm diam. and for  
triangular shaft width across flats  
4.7 mm (SCHANZ screws,  
STEINMANN pins), with key GA062R



LX203R

Handbohrfutter, längsdurchbohrt,  
Spannweite bis 6,35 mm Ø, mit  
Spannschlüssel GA031R

Drilling chuck, cannulated, for  
shanks up to 6.35 mm diam.,  
with key GA031R  
160 mm, 6 1/4"



## Drahtextension – Wire extension

### Cerclage-Instrumente Cerclage Instruments



**KY002S-KY015S**

Draht, weich, gewebeverträglich, in Ringen zu 10 m

**Implantatwerkstoff:** Nichtrostender Stahl nach DIN 17 443 bzw. ISO 5832/I grade B (AISI 316 LVM)

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)

Ø	diam.	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**

Ligaturplättchen

Ligature disc

**Implantatwerkstoff:** Nichtrostender Stahl nach DIN 17 443 bzw. ISO 5832/I grade B (AISI 316 LVM)

Material used for implants: stainless steel acc. to DIN 17 443 resp. ISO 5832/I grade B (AISI 316 LVM)



1/2

### LOUTE

**KY220S**

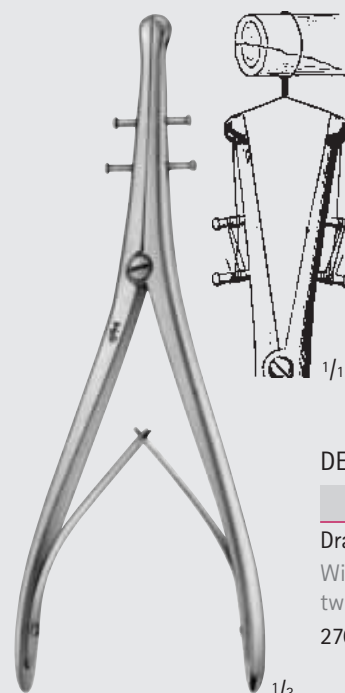
Drahtspanner, verbessertes Modell, mit an der Spitze eingebauter beweglicher Drahtspannbuchse für Draht bis 1,0 mm Ø  
Wire tightener, improved pattern, with movable tip, for wires up to 1.0 mm diam.

220 mm, 8 3/4"

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.  
Movable tip made of material used for implants.  
While twisting the movable head remains stable, therefore the wire will not slip off.



1/1



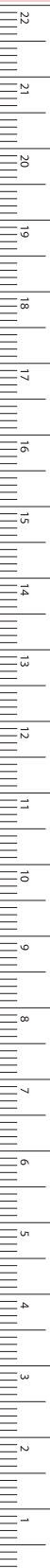
1/3

### DEMEL

**KY225R**

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

X7



MILLIMETERS

## Drahtextension – Wire extension

Cerclage-Instrumente

Cerclage Instruments

LX

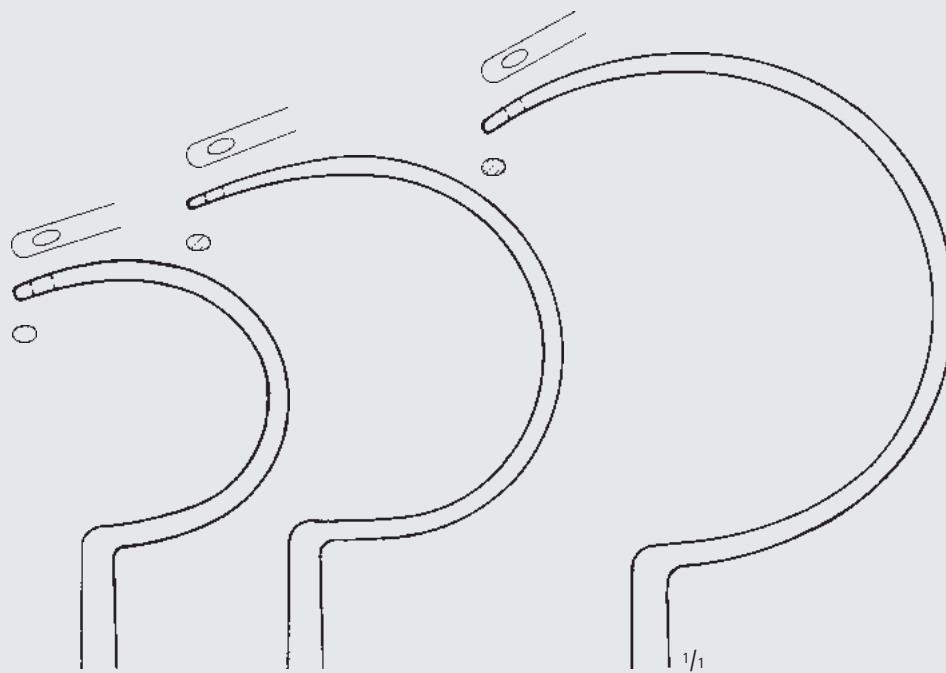


DEMEL

**KY201R-KY203R**

Drahtumführungsnaedeln

Wire guides



**KY201R**

275 mm

10 <sup>3</sup>/<sub>4</sub>"

**KY202R**

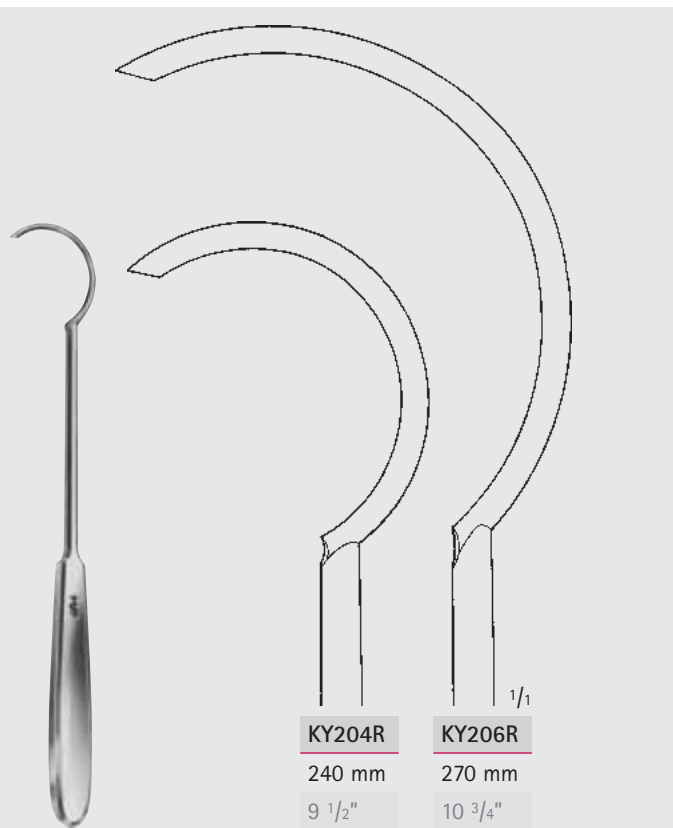
285 mm

11 <sup>1</sup>/<sub>4</sub>"

**KY203R**

305 mm

12"



**KY204R**

240 mm

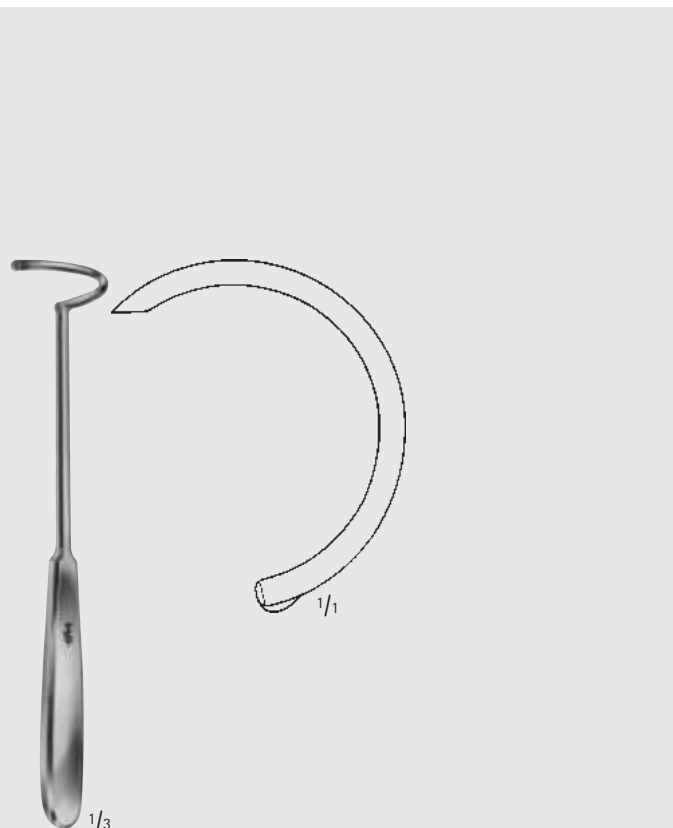
9 <sup>1</sup>/<sub>2</sub>"

**KY206R**

270 mm

10 <sup>3</sup>/<sub>4</sub>"

**KY204R-KY206R**



**KY205R**

225 mm, 9"



mit Hartmetallbacken



with hard metal inserts

## Drahtextension – Wire extension Drahtfasszangen, Drahtspannzangen Wire Holding Forceps, Wire Twisters

X1



**LX176R**

Drahtfasszange mit  
seitlichen Backen gegen  
Abrutschen des Drahtes  
Holding forceps for cerclage  
wire, with lateral jaws to  
avoid wire slipping off  
1/2 170 mm, 6 3/4"



**BM110R**

Drahtspannzange,  
Ligaturzange  
Wire twister,  
Ligature forceps  
150 mm, 6"



**BM111R**

Drahtspannzange,  
Ligaturzange  
Wire twister,  
Ligature forceps  
1/2 150 mm, 6"



**BAUMGARTNER**

**BM112R**

Drahtspannzange,  
Ligaturzange  
Wire twister,  
Ligature forceps  
1/2 200 mm, 8"

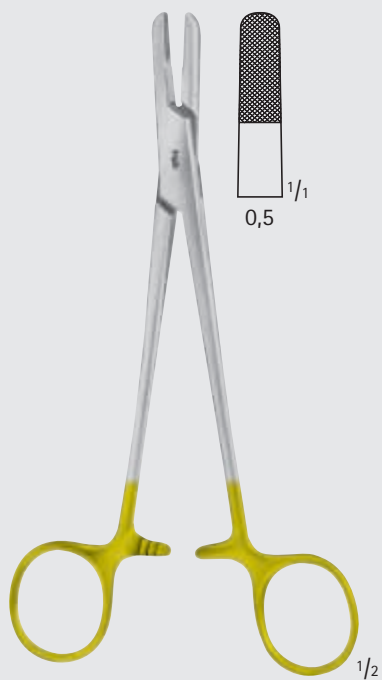


MILLIMETERS

**Drahtextension – Wire extension**  
 Drahtspannzangen, Drahtschneidezangen  
 Wire Twisters, Wire Cutting Scissors

mit Hartmetallbacken  
  
 with hard metal inserts

LX



**BM113R**  
 für die Sternennaht  
 for sternum suture  
 175 mm, 7"



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



spezialvergütete  
**Schneiden**  
 specially hardened  
 cutting edges

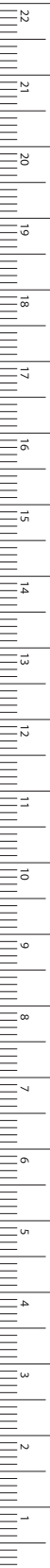
**LX149R**  
 abgewinkelte schlanke Form zur Drahtentfernung  
 (für weichen Draht bis Ø 0,9 mm) nach Sternennaht  
 angled slender pattern for wire removal  
 (for soft wire up to diam. 0.9 mm) after sternum suture  
 170 mm, 6 3/4"



## Drahtextension – Wire extension

Drahtfasszangen, Drahtspannzangen, Flachzangen  
Wire Holding Forceps, Wire Twisters, Flat-Nosed Pliers

X1



MILLIMETERS



MARBURG MODELL

DPO31R

beidseitig kariert  
with serrated jaws  
140 mm, 5 1/2"



GOSLEE

DP035R

eine Seite kariert,  
eine Seite glatt  
one jaw smooth,  
one jaw serrated  
140 mm, 5 1/2"



LX170R

LX171R

LX170R

mit gerieften Backen  
with serrated jaws

LX171R

mit Längs- und Querrillen  
with longitudinal and  
transversal grooves  
170 mm, 6 3/4"



LX172R

190 mm, 7 1/2"

## Drahtextension – Wire extension

### Drahtfasszangen, Flachzangen

#### Wire Holding Forceps, Flat-Nosed Pliers

Die als Fräsbacken gearbeiteten Maulenden ermöglichen es, Drahtenden freizulegen. Maulprofile gewährleisten absolut sicheres Fassen der Drahtenden.

Exposure of grown-in wire ends is possible due to milling ends of the jaws. Profiles of the jaws guarantee absolutely safe gripping of the wire ends.



**LX177R**

130 mm

5 1/8"

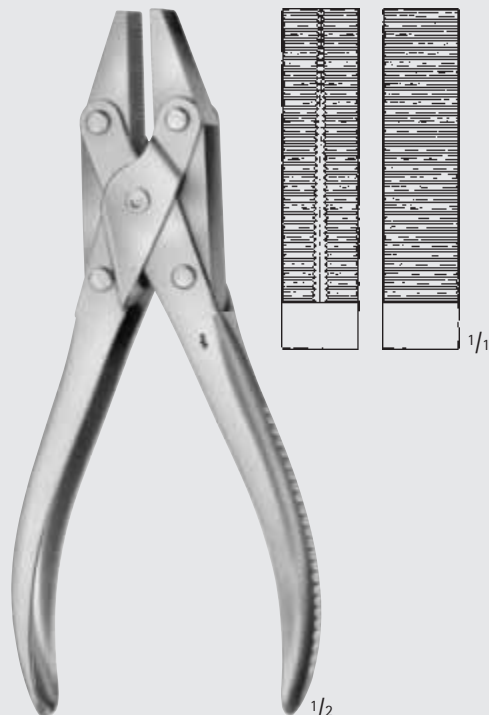
**LX178R**

180 mm

7"

**LX177R-LX178R**

Extraktionszangen für Bohrdrähte  
Extraction pliers for boring wires



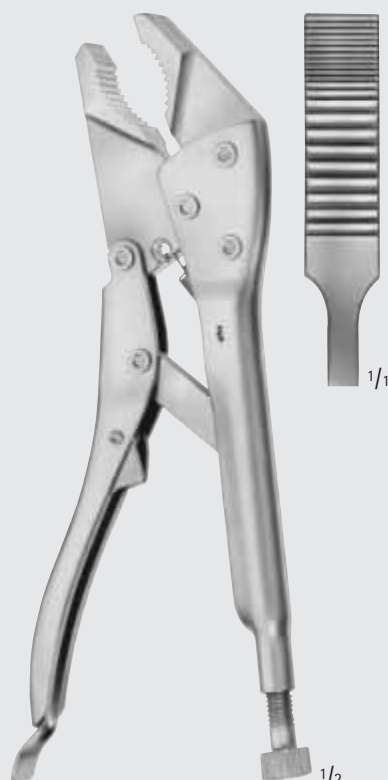
**LX189R**

Parallel-Flachzange  
Flat-nosed pliers, parallel  
185 mm, 7 1/4"



**MB576R**

195 mm, 7 3/4"



**LX174R**

Tonnenzange  
Vise grip  
200 mm, 8"

LX





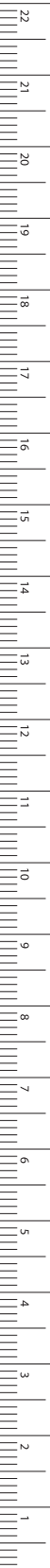


## Drahtextension – Wire extension

Drahtfasszangen, Biegezangen

Wire Holding Forceps, Pliers for Bending and Cutting Wires

X1



MILLIMETERS



LX181R

LX181R

180 mm

7"

Rundzange  
Round pliers



LX185R

145 mm

5 3/4"

Extraktionszangen für Bohrdrähte  
Extraction pliers for wires



LX182R

180 mm

7"



LX183R

180 mm

7"

LX181R-LX185R



LX190R

Biegezange für Spickdrähte bis 1,8 mm Ø  
Bending pliers for wires up to 1.8 mm diam.

**Drahtextension – Wire extension**  
 Drahtschneidezangen und -Scheren  
 Wire Cutters and Wire Cutting Scissors

LX



ANGLE

**DP540R**

130 mm, 5 1/8"

für weichen Draht bis Ø 0,5 mm  
 für harten Draht bis Ø 0,3 mm

for soft wire up to diam. 0.5 mm  
 for hard wire up to diam. 0.3 mm



spezialvergütete  
**Schneiden**  
 specially hardened  
 cutting edges

**DP541R**

130 mm, 5 1/8"

0,6 mm  
 0,4 mm

0.6 mm  
 0.4 mm



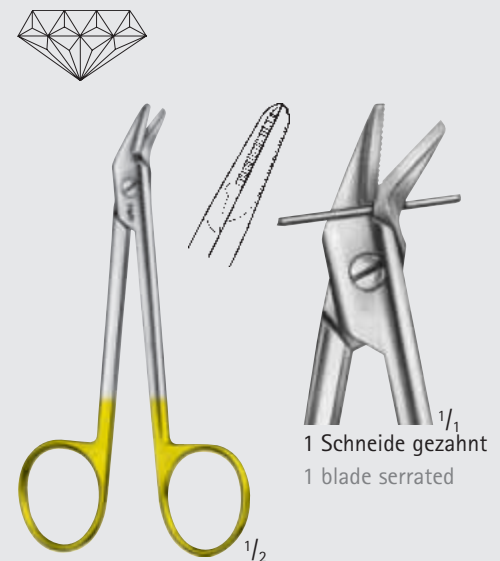
1/1  
 1 Schneide gezahnt  
 1 blade serrated

**DP551R**

120 mm, 4 3/4"

für weichen Draht bis Ø 1,2 mm  
 für harten Draht bis Ø 0,6 mm

for soft wire up to diam. 1.2 mm  
 for hard wire up to diam. 0.6 mm



1/1  
 1 Schneide gezahnt  
 1 blade serrated

**DP552R**

120 mm, 4 3/4"

1,2 mm  
 0,8 mm

1.2 mm  
 0.8 mm



## Drahtextension – Wire extension

### Drahtschneidezangen und -Scheren

### Wire Cutters and Wire Cutting Scissors



<sup>1/1</sup>  
Schneiden gezahnt  
Blades serrated

HARVEY

**BC815R**

125 mm, 5"

für weichen Draht bis Ø  
für harten Draht bis Ø

0,4 mm  
0,3 mm

for soft wire up to diam.  
for hard wire up to diam.

0.4 mm  
0.3 mm



**DP501R**

150 mm, 6"

1,5 mm  
1,0 mm

1.5 mm  
1.0 mm



**DP505R**

160 mm, 6 1/4"

für weichen Draht bis Ø  
für harten Draht bis Ø

1,5 mm  
1,2 mm

for soft wire up to diam.  
for hard wire up to diam.

1.5 mm  
1.2 mm



spezialvergütete  
**Schneiden**  
specially hardened  
cutting edges

**DP530R**

140 mm, 5 1/2"

1,5 mm  
1,0 mm

1.5 mm  
1.0 mm

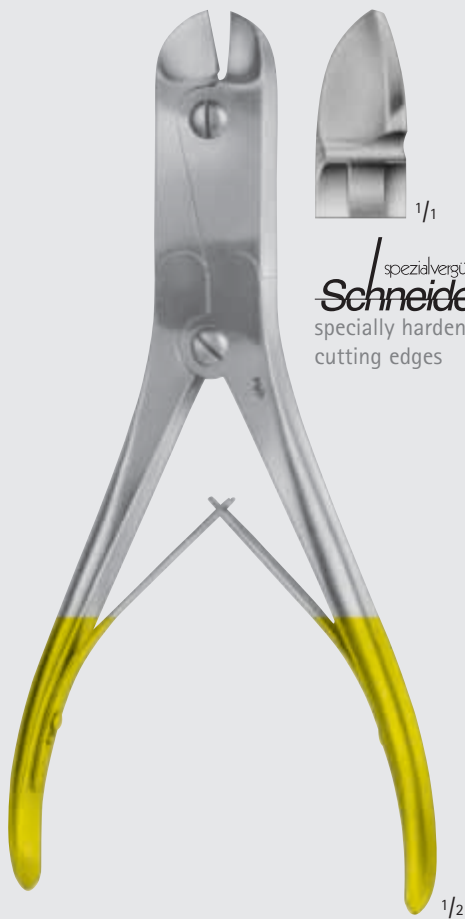
X7



MILLIMETERS

**Drahtension – Wire extension**  
 Drahtschneidezangen und Seitenschneider  
 Wire Cutters, Lateral Cutting Action

LX



spezialvergütete  
**Schneiden**  
 specially hardened  
 cutting edges

**LX156R**  
 235 mm, 9 1/4"

für weichen Draht bis Ø 3,0 mm  
 für harten Draht bis Ø 2,2 mm

for soft wire up to diam. 3.0 mm  
 for hard wire up to diam. 2.2 mm



spezialvergütete  
**Schneiden**  
 specially hardened  
 cutting edges

**HARVEY**  
**LX157R**  
 235 mm, 9 1/4"

3,0 mm  
 2,2 mm

3.0 mm  
 2.2 mm



## Drahtextension – Wire extension Drahtschneidezangen und Seitenschneider Wire Cutters, Lateral Cutting Action

X1



**LX149R**

abgewinkelte schlanke Form zur Drahtentfernung nach Sternumnaht  
angled slender pattern for wire removal after sternum suture  
170 mm, 6 3/4"

für weichen Draht bis Ø 0,9 mm  
für harten Draht bis Ø -

for soft wire up to diam. 0.9 mm  
for hard wire up to diam. -



**LX162R**

240 mm, 9 1/2"

2,5 mm  
2,0 mm

2.5 mm  
2.0 mm



MILLIMETERS

**Drahtextension – Wire extension**  
 Drahtschneidezangen und Seitenschneider  
 Wire Cutters, Lateral Cutting Action

LX



**LX158R**

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



**REILL**

**LX159R**

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

für weichen Draht bis Ø	2,0 mm
für harten Draht bis Ø	1,5 mm

for soft wire up to diam.	2.0 mm
for hard wire up to diam.	1.5 mm

2,0 mm
1,5 mm

2.0 mm
1.5 mm



## Drahtextension – Wire extension

### Drahtschneidezangen, Kopfschneider

### Wire Cutters, Front Cutting Action

X1



spezialvergütete  
**Schneiden**  
specially hardened  
cutting edges

**DP520R**  
145 mm, 5 3/4"

für weichen Draht bis Ø 1,5 mm  
für harten Draht bis Ø 1,0 mm

for soft wire up to diam. 1.5 mm  
for hard wire up to diam. 1.0 mm



spezialvergütete  
**Schneiden**  
specially hardened  
cutting edges

**LX150R**  
145 mm, 5 3/4"

2,0 mm  
1,5 mm

2.0 mm  
1.5 mm



spezialvergütete  
**Schneiden**  
specially hardened  
cutting edges

**LX152R**  
220 mm, 8 3/4"

für weichen Draht bis Ø 3,0 mm  
für harten Draht bis Ø 2,0 mm

for soft wire up to diam. 3.0 mm  
for hard wire up to diam. 2.0 mm

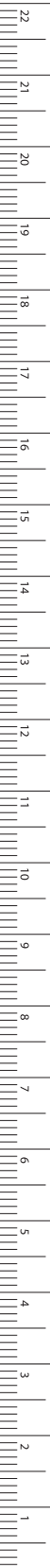


spezialvergütete  
**Schneiden**  
specially hardened  
cutting edges

**LX163R**  
165 mm, 6 1/2"

3,5 mm  
2,5 mm

3.5 mm  
2.5 mm



MILLIMETERS

## Drahtextension – Wire extension

Drahtschneidezangen

Wire Cutting Pliers

LX



### LX165R

Bolzenschneider zum Abzwicken von KIRSCHNER-Drähten, Tibia-Kopf-Schrauben und Nägeln bis zu 3 mm Ø

Cutter for cutting off KIRSCHNER wires, tibia head screws, bolts, pins, up to 3 mm diam.

320 mm, 12 3/4"



### LX164R

Bolzenschneider zum Abzwicken von KIRSCHNER-Drähten, Tibia-Kopf-Schrauben und Nägeln bis 6 mm Ø

Cutter for cutting off KIRSCHNER wires, tibia head screws, bolts, pins, up to 6 mm diam.

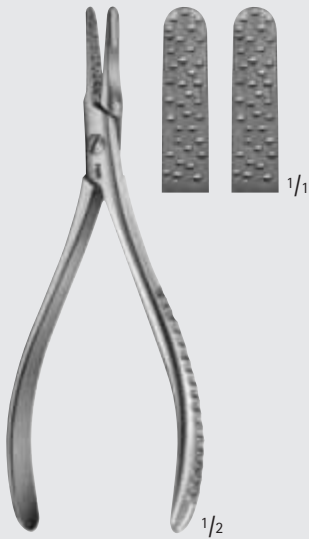
470 mm, 18 1/2"





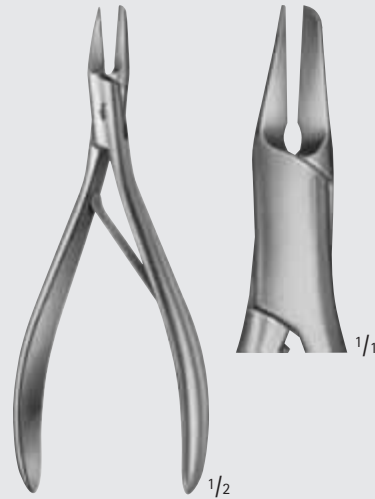
**Drahtextension – Wire extension**  
Fingernagel-Instrumente  
Finger Nail Instruments

X7



**FO903R**

Nagelausreibzange  
Nail extracting forceps  
135 mm, 5 1/2"



**HF266R**

Nagelspaltzange  
Nail splitting forceps  
130 mm, 5 1/8"



SYSTRUNK

**BC521R**

Schere für eingewachsene Nägel  
Scissors for splitting finger nails  
130 mm, 5 1/8"



**FO900R**

Fingerringssäge  
Finger ring saw  
150 mm, 6"



**FO901R**

Ersatz-Sägeblatt  
Spare blade



MILLIMETERS



INCHES



LX



Gips-Instrumente  
Plaster Instruments

## Gips-Instrumente – Plaster Instruments

Gips-Instrumente  
Plaster Instruments

LX



1/2

ESMARCH

LX505R

Gipsmesser  
Plaster knives  
180 mm, 7"



1/2

ENGEL

LX522C

Gipssäge  
Plaster saw  
150 mm, 6"



1/2

LISTER

BC885R-BC977R

BC885R	schwarz	black	BC973R	gelb	yellow
BC970R	rot	red	BC975R	orange	orange
BC971R	blau	blue	BC977R	pink	pink

Verband- und Erste-Hilfe-Scheren  
Bandage- and First Aid Scissors  
145 mm, 5 3/4"



2/3

BC881R-BC987R

BC881R	schwarz	black	BC983R	gelb	yellow
BC980R	rot	red	BC985R	orange	orange
BC981R	blau	blue	BC987R	pink	pink

Verband- und Erste-Hilfe-Scheren  
Bandage- and First Aid Scissors  
180 mm, 7"



## Gips-Instrumente – Plaster Instruments

### Gipsscheren Plaster Scissors

X1



**LX548R**

für kleine Gipsverbände  
for small plaster dressings  
160 mm, 6 1/4"



**ESMARCH**

**LX550R** 200 mm 8"

**LX552R** 230 mm 9"



**BERGMANN**

**LX553R**

230 mm, 9"



MILLIMETERS

## Gips-Instrumente – Plaster Instruments

Gipsscheren

Plaster Scissors

LX



BRUNS

LX556R

235 mm, 9 1/4"



LX558R

auch als Kleiderschere verwendbar  
also to be used as bandage scissors  
235 mm, 9 1/4"



SEUTIN

LX565R

auch als Kleiderschere verwendbar  
also to be used as bandage scissors  
230 mm, 9"



## Gips-Instrumente – Plaster Instruments

### Gipsscheren Plaster Shears

#### Besondere Vorteile:

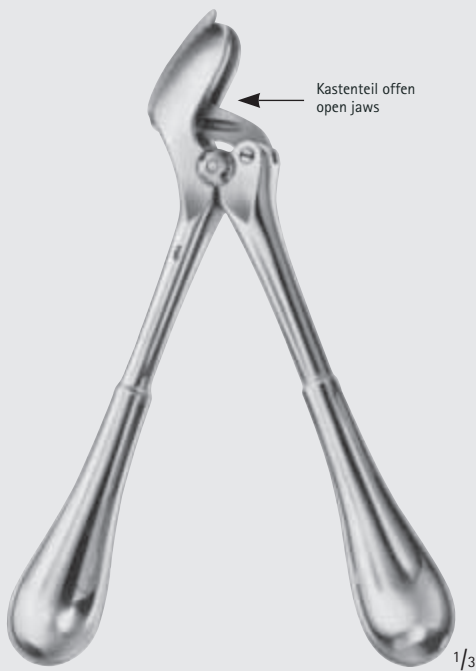
- Die Konstruktion des offenen Kastens verhindert das lästige Verstopfen durch Gipsreste, außerdem ist eine leichte Reinigung der Backen möglich.
- Die tiefe Zahnung an den Backen verhindert das Abgleiten der Gipsschere vom Gips.
- Die Messer, mit Hohlschliff, weisen eine bessere Schnittfähigkeit auf, daher geringerer Kraftaufwand.
- Messerführung durch Kugellager.

#### Special features:

- The construction of the open jaws avoids tiresome clogging by plaster remnants and allows furthermore an easy cleaning.
- The shears do not glide off the plaster owing to the deep teething on the jaws.
- The knives with hollow grinding have a better cutting ability and therefore less force is required.
- The knives are guided by ball bearings.

Kastenteil offen

open jaws



STILLE-AESFULAP

LX574R

260 mm, 10 1/4"

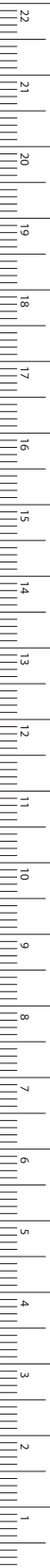


STILLE-AESFULAP

LX575R

360 mm, 14 3/8"

X1



MILLIMETERS

## Gips-Instrumente – Plaster Instruments

Gipsscheren

Plaster Shears

LX



STILLE

LX582R

230 mm, 9"



STILLE

LX587R

Messer mit verstärktem Rücken  
Blade with reinforced back  
370 mm, 14 2/3"

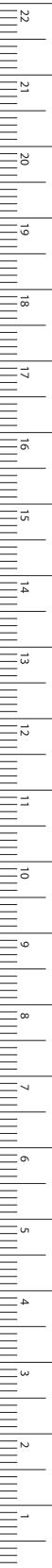




## Gips-Instrumente – Plaster Instruments

Gipsspreizer, Gipsabreißzangen  
Plaster Spreader, Plaster Breakers

X7



1/3

HENNIG

LX600R

270 mm, 10 3/4"

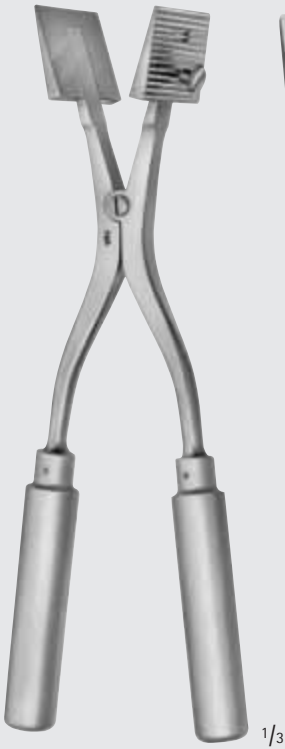


1/3

MOD.USA

LX605R

230 mm, 9"



1/3



1/1

mit abnehmbaren Backen  
with removable jaws

LX610R

290 mm, 11 1/2"



1/2

WOLFF

LX618R 180 mm 7"

LX624R 240 mm 9 1/2"

Gipsabreißzangen (Rabenschnabel)  
Plaster breakers

MILLIMETERS



INCHES

GF



Sauginstrumente  
Suction Instruments

## Sauginstrumente – Suction Instruments

### Vakuumküretten

### Vacuum Curettes



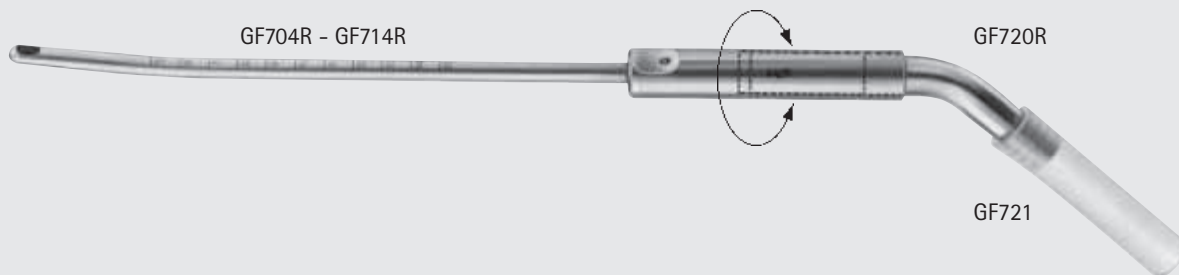
Kanülen zur Vakuumkürettage mit Graduierung und Saugunterbrecher

Curettes with graduation and suction interrupter, for vacuum curettage

Ø  
diam.

4 mm (zur Saugbiopsie geeignet)  
(suitable for suction biopsy)

GF704R	4 mm
GF706R	6 mm
GF708R	8 mm
GF710R	10 mm
GF712R	12 mm
GF714R	14 mm



GF704R - GF714R

GF720R

GF721



**GF719R**

Schlauchansatz, gerade  
Innen-Ø: 11 mm

Hose connection, straight  
inside diam.: 11 mm



**GF720R**

Schlauchansatz, gebogen  
Innen-Ø: 11 mm

Hose connection, curved  
inside diam.: 11 mm

Die Verbindung zwischen Saugküretten und Schlauchansatz GF720R gewährleistet schnelles Wechseln und freies Drehen der Saugküretten auf dem Schlauchansatz.

The connection between suction curette and hose connection GF720R guarantees quick changing and free turning of the suction curettes on the hose connection.

**GF721**

Saugschlauch, transparent, 1,8 m lang, Innen-Ø 11 mm, Außen-Ø 16,5 mm, sterilisierbar im Autoklav bei 143 °C (3 bar)

Transparent suction hose, 1.8 m long, inside diam. 11 mm, outside diam. 16.5 mm, can be sterilized in an autoclave at 143 °C (3 bar)



GF722

**GF722**

Gewebe-Auffangsieb aus Kunststoff, zum Einmalgebrauch für die histopathologische Untersuchung.

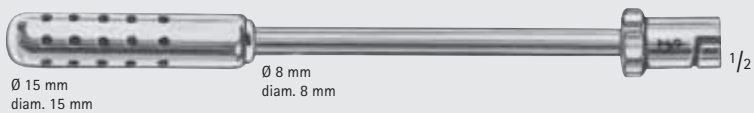
Strainer for tissue, plastic, for single use only, to be used for histopathological examination.



## Sauginstrumente – Suction Instruments

Sauginstrumente  
Suction Instruments

GF



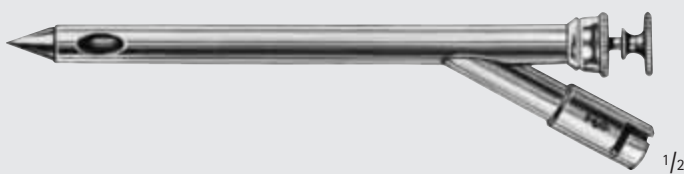
Ø 15 mm  
diam. 15 mm

Ø 8 mm  
diam. 8 mm

1/2

### GF805C

zum Ableiten großer Flüssigkeitsmengen  
for clearing large quantities of fluid  
190 mm, 7 1/2"



1/2

### GF806C

Trocar, zum Punktieren  
Trocar, for puncturing  
170 mm, 6 3/4"



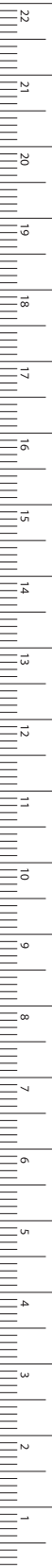
1/2

### GF809C

doppelt gebogen, für Allgemein-Chirurgie  
double curved, for general surgery  
230 mm, 9"

mit Renk-Verschluß  
passend auf den Sauggriff  
GF801C

with bayonet fitting to be  
used with suction handle  
GF801C



MILLIMETERS

## Sauginstrumente – Suction Instruments

Sauginstrumente

Suction Instruments

GF



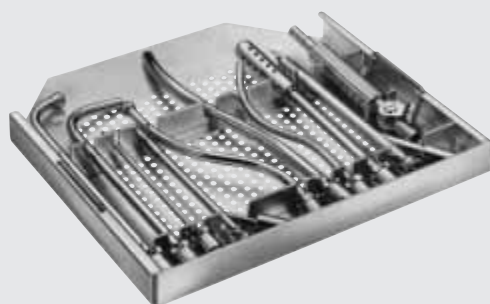
Olive Ø 8 mm  
olive diam. 8 mm

### GF801C

Sauggriff mit Vakuum-Regulierung und Unterbrecher,  
Messing hochglanzverchromt

Suction handle, with vacuum regulator and finger  
cut-off, brass, mirror-finish chromium-plated

150 mm, 6"



### GF841

Alu-Lagerungsrack allein, ohne Instrumente,  
passend in Basis Container, bestehend aus  
Bodenteil JK339 und Deckel JK399

Aluminium rack only, without instruments,  
fitting into Basis Container, consisting of  
container body JK339 and lid JK399

265 x 250 x 30 mm



## Sauginstrumente – Suction Instruments

Sauginstrumente  
Suction Instruments

GF



Ø 9 mm  
diam. 9 mm

**GF816C**

Universal-Kanüle, doppelt gebogen  
Universal cannula, double curved  
230 mm, 9"

Olive Ø 9 mm  
olive diam. 9 mm



▲  
Ø 7 mm  
Charr. 21

POOL

**GF860R**

Saugkanüle mit abschraubbarem Außenrohr  
Suction cannula, with outer tube to be screwed off  
225 mm, 9"

1/2  
Olive Ø 6,5 - 9,5 mm  
olive diam. 6.5 - 9.5 mm

1/1



▲  
Ø 10 mm  
Charr. 30

POOL

**GF862R**

Saugkanüle mit abschraubbarem Außenrohr  
Suction cannula with outer tube to be screwed off  
225 mm, 9"

1/2  
Olive Ø 8 - 10,5 mm  
olive diam. 8 - 10.5 mm

1/1



Ø 10 mm  
diam. 10 mm

YANKAUER

**GF944R**

mit zentraler Bohrung, Ø 2,0 mm  
with central bore, Ø 2.0 mm diam.  
285 mm, 11 1/4"

1/2  
Olive Ø 7 - 9 mm  
olive diam. 7 - 9 mm

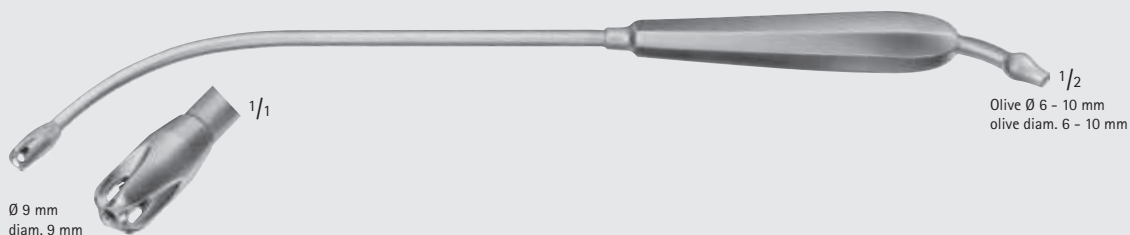


MILLIMETERS

## Sauginstrumente – Suction Instruments

### Sauginstrumente

### Suction Instruments



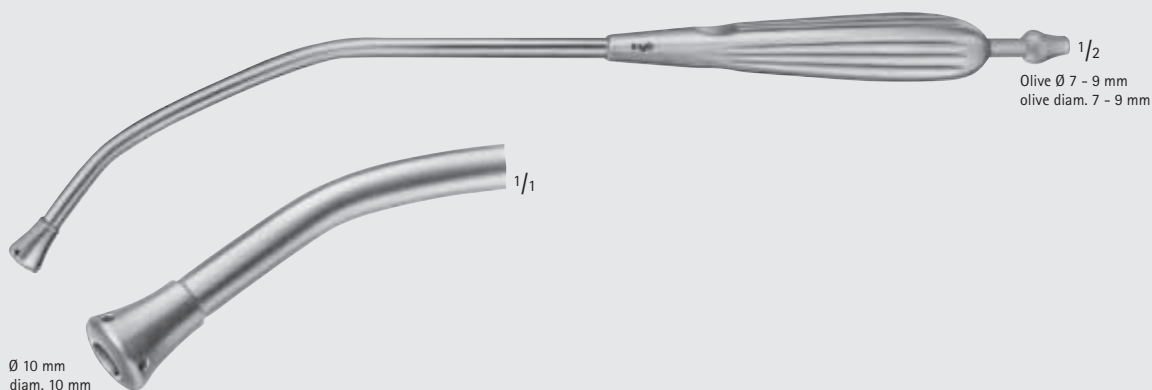
DE BAKEY

**GF946R**

mit zentraler Bohrung, Ø 3,0 mm und seitlichen Schlitzen

with central bore, 3.0 mm diam. with lateral slots

275 mm, 10 3/4"



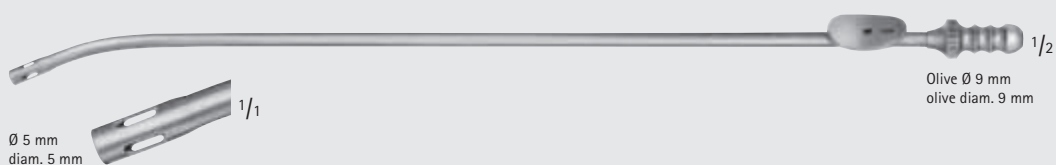
YANKAUER

**OM671R**

mit besonders großer zentraler Bohrung, Ø 4,8 mm

with especially large central bore, 4.8 mm diam.

285 mm, 11 1/4"



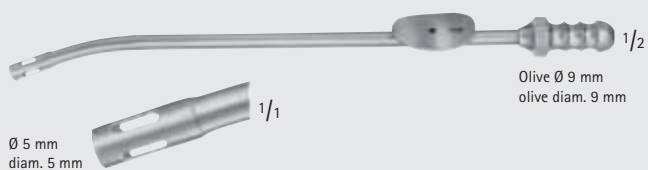
DE BAKEY

**GF948R**

mit Saugunterbrecher und Mandrin

with finger cut-off and stylet

270 mm, 10 3/4"



DE BAKEY

**GF947R**

mit Saugunterbrecher und Mandrin

with finger cut-off and stylet

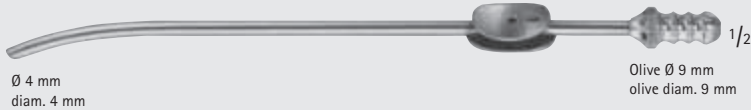
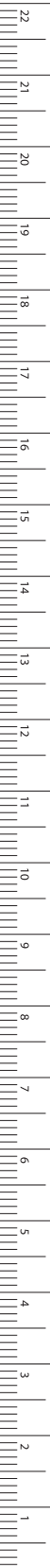
160 mm, 6 1/4"



# Sauginstrumente – Suction Instruments

## Sauginstrumente

## Suction Instruments



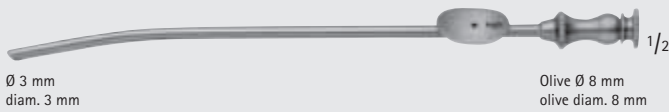
Ø 4 mm  
diam. 4 mm

Olive Ø 9 mm  
olive diam. 9 mm

ADSON

**GF917R**

mit Saugunterbrecher  
with finger cut-off  
190 mm, 7 1/2"



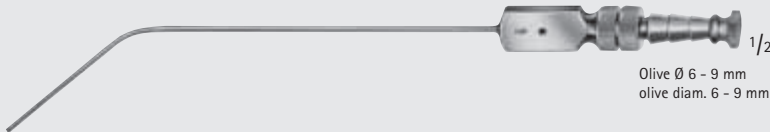
Ø 3 mm  
diam. 3 mm

Olive Ø 8 mm  
olive diam. 8 mm

ADSON

**GF918R**

mit Saugunterbrecher und Mandarin  
with finger cut-off and stylet  
165 mm, 6 1/2"

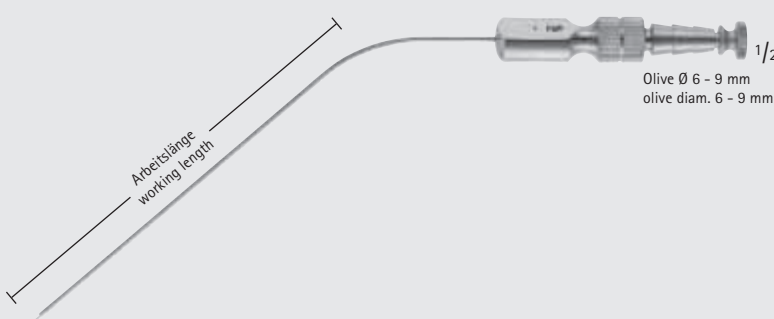


Olive Ø 6 - 9 mm  
olive diam. 6 - 9 mm

PLESTER

mit Saugunterbrecher und Mandarin,  
Griffplatte parallel zur Biegung, LUER-Bohrung  
with finger cut-off and stylet, thumb piece  
parallel to curve, with LUER hub  
195 mm, 7 3/4"

	Ø diam.
GF939R	1,5 mm
GF940R	2,0 mm
GF941R	2,5 mm
GF942R	3,0 mm
GF355R	5,0 mm



Olive Ø 6 - 9 mm  
olive diam. 6 - 9 mm

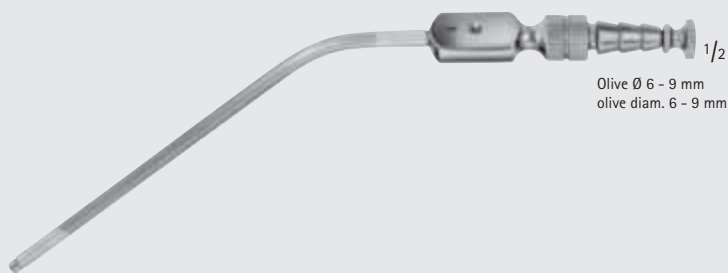
FERGUSSON

mit Saugunterbrecher und Mandrin,  
Griffplatte 90° zur Biegung, LUER-Bohrung  
with finger cut-off and stylet, thumb piece  
90° to curve, with LUER hub  
180 mm, 7"

	diam. Ø
GF350R	1,5 mm
GF351R	2,0 mm
GF352R	2,5 mm
GF353R	3,0 mm
GF354R	4,0 mm

## Sauginstrumente – Suction Instruments

Sauginstrumente  
Suction Instruments



Olive Ø 6 - 9 mm  
olive diam. 6 - 9 mm

FERGUSSON

**GF933R** Ø diam. 4,0 mm

isoliert, mit Saugunterbrecher und Mandrin,  
Griffplatte 90° zur Biegung, LUER-Bohrung

isolated, with finger cut-off and stylet,  
thumb piece 90° to curve, with LUER hub

180 mm, 7"



Olive Ø 6 - 9 mm  
olive diam. 6 - 9 mm

FRAZIER

Ø	diam.
---	-------

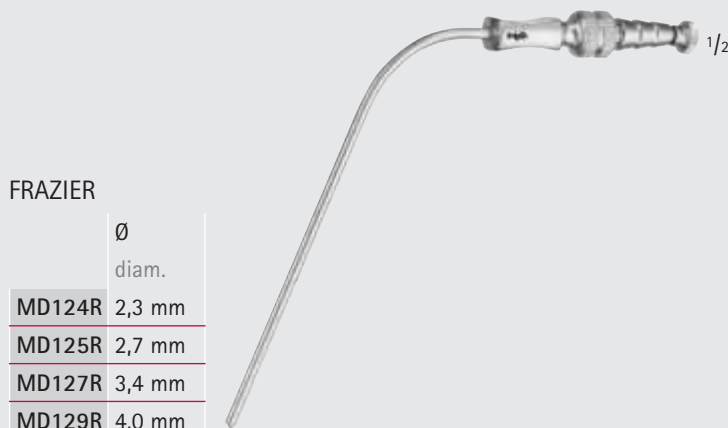
<b>GF923R</b>	3,0 mm
---------------	--------

<b>GF925R</b>	5,0 mm
---------------	--------

mit Saugunterbrecher und Mandrin,  
Griffplatte 90° zur Biegung, LUER-Bohrung

with finger cut-off and stylet, thumb  
piece 90° to curve, with LUER hub

180 mm, 7"



FRAZIER

Ø	diam.
---	-------

<b>MD124R</b>	2,3 mm
---------------	--------

<b>MD125R</b>	2,7 mm
---------------	--------

<b>MD127R</b>	3,4 mm
---------------	--------

<b>MD129R</b>	4,0 mm
---------------	--------

mit Saugunterbrecher und Mandrin,  
Griffplatte 90° zur Biegung, LUER-Bohrung  
with finger cut-off and stylet, thumb piece 90°  
to curve, with LUER hub

110 mm, 4 1/4"

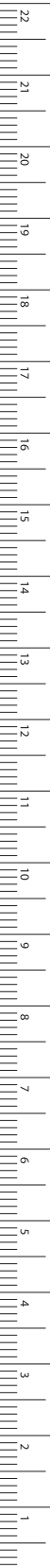


## Sauginstrumente – Suction Instruments

### Sauginstrumente

### Suction Instruments

GF



MILLIMETERS



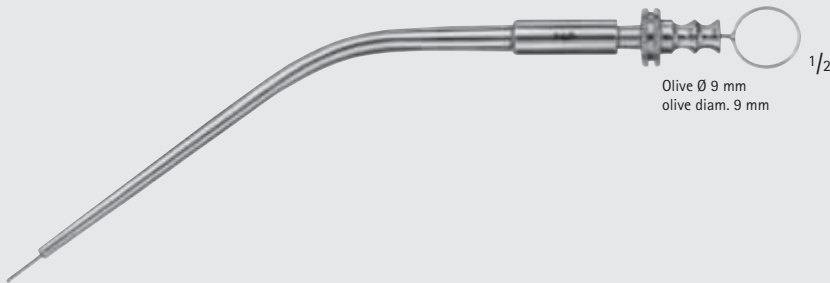
#### LEMPERT

$\varnothing$   
diam.

**GF937R** 2,0 mm

**GF938R** 3,0 mm

mit Saugunterbrecher und Mandrin  
with finger cut-off and stylet  
200 mm, 8"



#### FORMBY

$\varnothing$   
diam.

**GF932R** 3,3 mm

210 mm, 8 1/4"



#### BARRON

$\varnothing$   
diam.

**GF935R** 1,3 mm

**GF936R** 2,0 mm

mit Saugunterbrecher und Mandrin  
with finger cut-off and stylet  
160 mm, 6 1/4"



#### SCHUHKNECHT

$\varnothing$        $\varnothing$   
diam.      diam.

**GF756R** 20 swg      1,0 mm

**GF757R** 24 swg      0,5 mm

Saugkanülen  
Suction cannulae  
130 mm, 5 1/8"

## Sauginstrumente – Suction Instruments

### Sauginstrumente

### Suction Instruments

GF



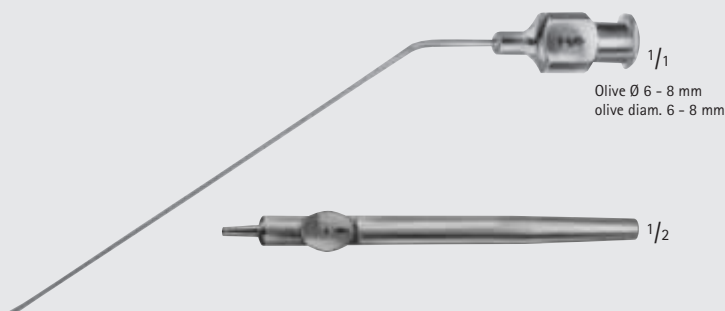
#### WULLSTEIN

##### OG960R

Mikro-Absaugrohr komplett, bestehend aus:

Micro suction tube, complete, consisting of:

OG961R	Absaugrohr mit LUER-Bohrung	Suction tube with LUER hub
OG962R	Mikro-Saugkanüle, Ø 0,4 mm	Micro suction cannula, 0.4 mm diam.
OG963R	Mikro-Saugkanüle, Ø 0,6 mm	Micro suction cannula, 0.6 mm diam.
OG964R	Mikro-Saugkanüle, Ø 0,8 mm	Micro suction cannula, 0.8 mm diam.

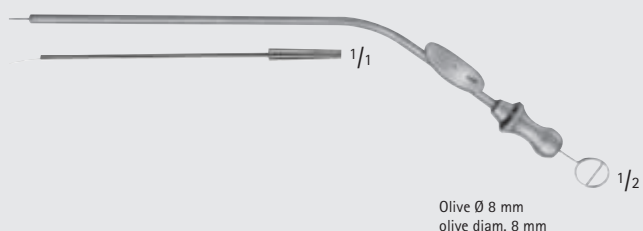


##### OG970R

Saugset komplett, bestehend aus:

Suction set, complete, consisting of:

OG971R	Saughandgriff mit LUER-Konus, mit Unterbrecher	Suction handle, with finger cut-off, with LUER cone
OG972R	2 Saugkanülen, Ø 0,5 mm, mit LUER-Konus	2 suction cannulae, 0.5 mm diam., with LUER cone
OG973R	2 Saugkanülen, Ø 0,7 mm, mit LUER-Konus	2 suction cannulae, 0.7 mm diam., with LUER cone
OG974R	2 Saugkanülen, Ø 1,0 mm, mit LUER-Konus	2 suction cannulae, 1.0 mm diam., with LUER cone
OG969R	2 Saugkanülen, Ø 1,3 mm, mit LUER-Konus	2 suction cannulae, 1.3 mm diam., with LUER cone



#### BELLUCCI

##### OG950R

Saugset komplett, bestehend aus:

Suction set, complete, consisting of:

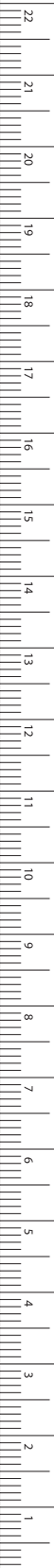
OG951R	Saugrohr allein, mit Saugunterbrecher und Mandrin	Suction tube with finger cut-off and stylet	155 mm, 6"
GF772R	Saugkanüle Ø 20 swg., Ø 1,0 mm	Detachable end, 20 swg. diam., 1.0 mm diam.	
GF773R	Saugkanüle Ø 22 swg., Ø 0,7 mm	Detachable end, 22 swg. diam., 0.7 mm diam.	
GF774R	Saugkanüle Ø 24 swg., Ø 0,5 mm	Detachable end, 24 swg. diam., 0.5 mm diam.	



# Sauginstrumente – Suction Instruments

## Sauginstrumente Suction Instruments

GF



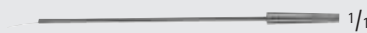
ZOELLNER

**GF770R**

Saugkanüle allein, mit Mandrin, passend zu den Saugaufsätzen GF771R und GF775R

Suction cannula only, with stylet, fitting to the detachable ends GF771R and GF775R

180 mm, 7"



ZOELLNER

	Ø diam.	Ø diam.
GF771R	18 swg	1,2 mm
GF772R	20 swg	1,0 mm
GF773R	22 swg	0,7 mm
GF774R	24 swg	0,5 mm
GF775R	26 swg	0,4 mm

auswechselbare Spitzen zu GF770R und OG951R  
detachable ends, fitting to GF770R and OG951R

Bestelleinheit:

PAK = Packung à 10 Stück

Sales unit:

PAK = Package of 10 pieces



VERHOEVEN

	Ø diam.	Ø diam.
GF763R	16 swg	1,5 mm
GF764R	18 swg	1,2 mm
GF765R	20 swg	1,0 mm
GF766R	22 swg	0,7 mm
GF767R	24 swg	0,5 mm

Saugkanülen mit LUER-Konus

Suction cannulae with LUER cone

100 mm, 4"



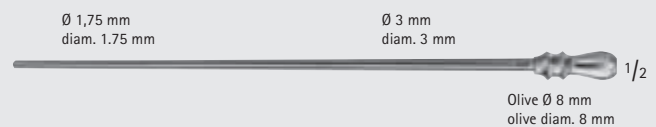
HOUSE

**GF768R**

Saugadapter mit Saugunterbrecher,  
LUER-Konus / LUER-Bohrung

Suction adapter with finger cut-off,  
LUER cone, LUER hub

55 mm, 2 1/8"



WULLSTEIN

**OF237**

Saugrohr, konisch, aus Silber, Olive mit LUER-Bohrung

Suction tube, conical, silver, olive with LUER hub

160 mm, 6 1/4"

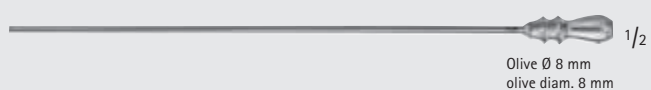
MILLIMETERS

## Sauginstrumente – Suction Instruments

### Sauginstrumente

### Suction Instruments

GF



Olive Ø 8 mm  
olive diam. 8 mm

#### WULLSTEIN

	Ø diam.
OF239	1,5 mm
OF238	2,0 mm

Saugrohr, zylindrisch, aus Silber, mit Mandrin, Olive mit LUER-Bohrung

Suction tube, cylindrical, silver, with stylet, olive with LUER hub

160 mm, 6 1/4"



#### MAGILL

	Ø diam.
GF906R	3,0 mm
GF907R	3,5 mm
GF908R	4,0 mm

245 mm, 9 3/4"

#### GF909R

Reinigungsdraht zu MAGILL-Saugkanülen

Stilette for MAGILL suction tubes



Olive Ø 6 - 9 mm  
olive diam. 6 - 9 mm

	Ø diam.	Spitzenbreite Tip width
GF919R	5,0 mm	6,5 mm

Nasensaugrohr, LUER-Bohrung

Nasal suction tube, with LUER hub

180 mm, 7"

INCHES

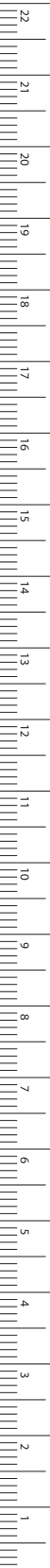


# Sauginstrumente – Suction Instruments

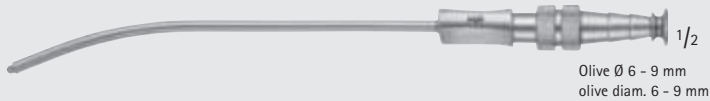
## Sauginstrumente

## Suction Instruments

GF



MILLIMETERS



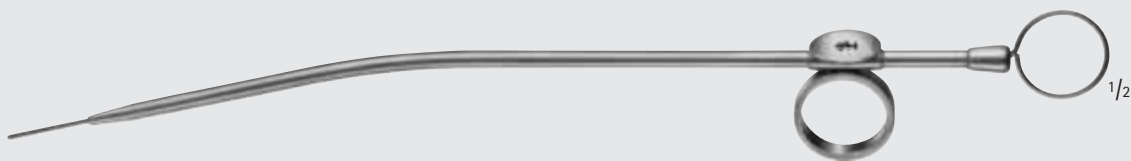
Olive  $\varnothing$  6 - 9 mm  
olive diam. 6 - 9 mm

GILLIES

$\varnothing$   
diam.

**OL187R** 3,0 mm

mit Saugunterbrecher und Mandrin  
with finger cut-off and stylet  
170 mm, 6  $\frac{3}{4}$ "



ROWBOTHAM

**OM672R**

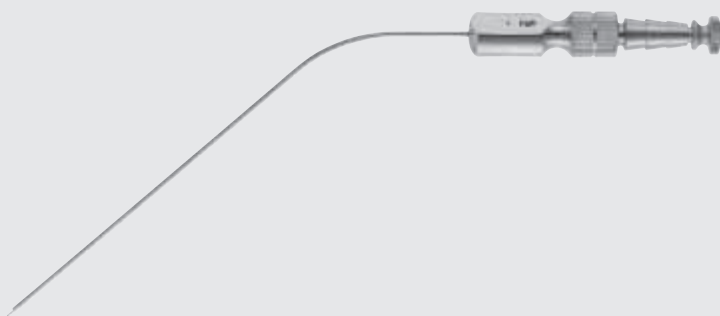
mit Mandrin  
with stylet  
295 mm, 11  $\frac{3}{4}$ "

## Sauginstrumente – Suction Instruments

Sauginstrumente

Suction Instruments

GF



### FERGUSSON

Ø diam.	Länge Length	Länge Length	Länge Length
	130 mm	160 mm	200 mm
1,5 mm	GF360R	GF370R	GF380R
2,0 mm	GF361R	GF371R	GF381R
2,5 mm	GF362R	GF372R	GF382R
3,0 mm	GF363R	GF373R	GF383R
4,0 mm	GF364R	GF374R	GF384R
5,0 mm	GF365R	GF375R	GF385R

Ø 3,5 mm  
diam. 3.5 mm

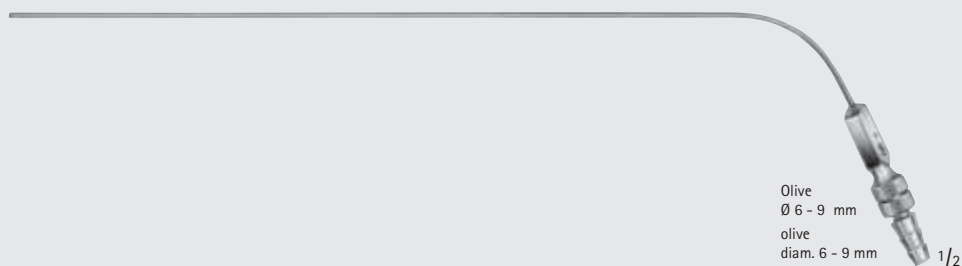
Ø 2,0 mm  
diam. 2.0 mm

Olive  
Ø 6 - 9 mm  
olive  
diam. 6 - 9 mm

1/3

OP030R	500 mm	20"
OP031R	350 mm	14"

mit Gummispitze, mit LUER-Bohrung  
with rubber tip, with LUER hub



Olive  
Ø 6 - 9 mm  
olive  
diam. 6 - 9 mm

1/2

	Ø diam.
OP360R	2,0 mm
OP361R	2,5 mm
OP362R	3,0 mm

mit Saugunterbrecher, Griffplatte 90° zur Biegung, mit LUER-Bohrung  
with finger cut-off, thumb piece 90° to curve, with LUER hub  
250 mm, 10"



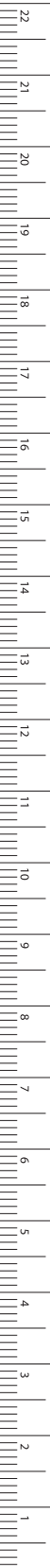


## Sauginstrumente – Suction Instruments

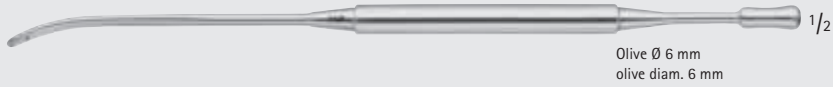
### Sauginstrumente

### Suction Instruments

GF



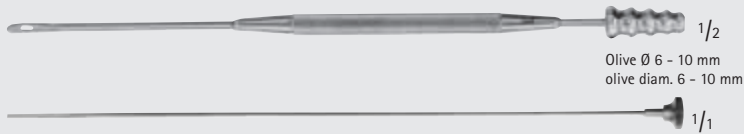
MILLIMETERS



NEGUS

**OL177R**

Saugdissektor  
Suction dissector  
210 mm, 8 1/4"



GORNEY

**OL168R**

Saugdissektor  
Suction dissector  
180 mm, 7"



breit  
wide

**OL195R** 4 mm

**OL196R** 5 mm

Saugraspatorium, scharf, bajonettförmig gebogen, mit Mandarin  
Suction raspatories, sharp, bayonet-shaped, with stylet  
200 mm, 8"



LANDOLT

breit  
wide

**GF980R** 3,2 mm

Präpariersauger für Hypophysektomie und HNO, winklige Spitze, scharf  
Dissecting suction tube for hypophysectomie and ENT, sharp angled point  
200 mm, 8"



LOPEZ-REINKE

**OM670R**

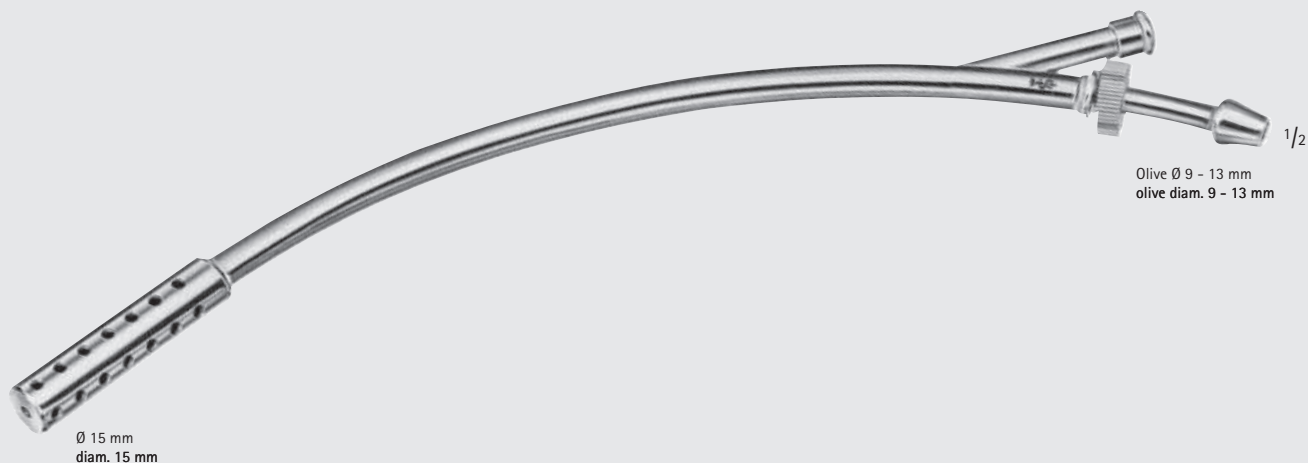
Tonsillendissektor mit Absaugvorrichtung  
Tonsil dissector with suction device  
235 mm, 9 1/4"

## Sauginstrumente – Suction Instruments

Kombinierte Saug- und Spülkanülen

Combined Suction- and Irrigation Cannulae

GF



FINSTERER

**GF867C**

320 mm, 12 3/4"



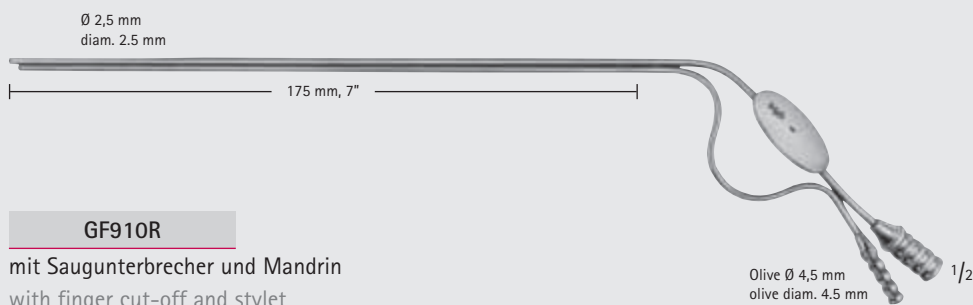
YASARGIL

**GF905R**

LUER-LOCK-Konus

LUER-LOCK cone

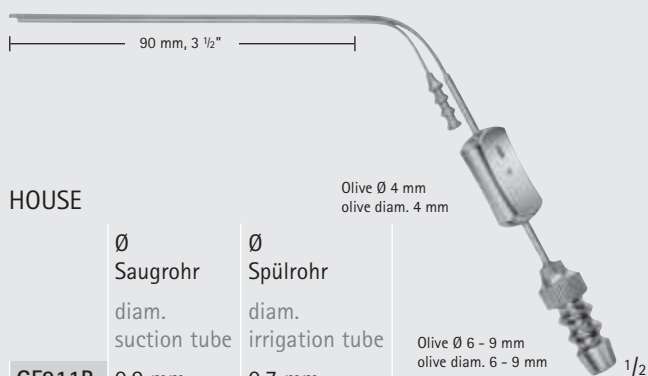
200 mm, 8"



**GF910R**

mit Saugunterbrecher und Mandrin

with finger cut-off and stylet



HOUSE

	Ø Saugrohr diam. suction tube	Ø Spülrohr diam. irrigation tube
<b>GF911R</b>	0,9 mm	0,7 mm
<b>GF912R</b>	1,2 mm	0,9 mm
<b>GF913R</b>	1,5 mm	1,2 mm

mit Saugunterbrecher und Mandrin, LUER-Bohrung

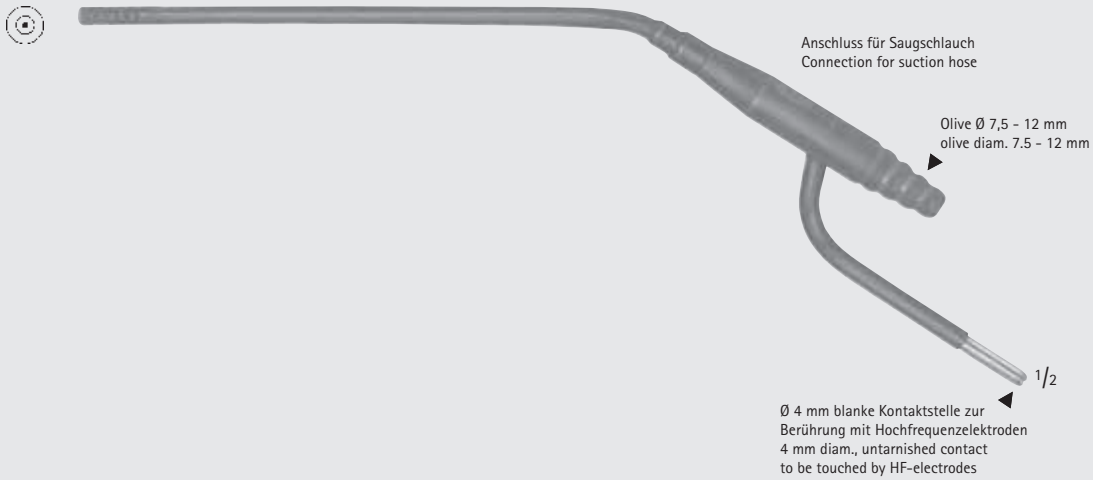
with finger cut-off and stylet, with LUER hub



## Sauginstrumente – Suction Instruments

### Koagulations-Saugkanüle

### Coagulation Suction Cannula



LANDOLT

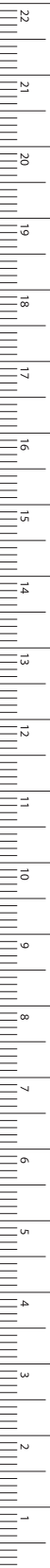
**GK550**

5,0 mm

mit Saugunterbrecher und Mandrin,  
sterilisierbar im Autoklav bis 143 °C (3 bar)

with finger cut-off and stylet,  
can be sterilized in an autoclave up to 143 °C (3 bar)

GF




MILLIMETERS



INCHES



JG



Nierenschalen, Laborschalen  
Kidney Trays, Bowls

## Nierenschalen, Laborschalen – Kidney Trays, Bowls

Messbecher, Laborschalen, Nierenschalen

Medical Measures, Round Bowls, Kidney Trays

JG



**JG514R**

Medizinbecher,  
graduiert,  
0,05 Liter  
Medical measure,  
graduated,  
0.05 litre



**JG515R**

Messbecher, 0,1 Liter  
Medical measure,  
graduated, 0.1 litre



**JG516R**

Messbecher, graduiert,  
0,25 Liter  
Medical measure,  
graduated, 0.25 litre



**JG518R**

Messbecher, graduiert,  
1,0 Liter  
Medical measure,  
graduated, 1.0 litre



	Inhalt (Liter) Capacity (litre)	Abmessungen in cm (oben x unten x Höhe) Dimensions in cm (upper x lower x height)
<b>JG520R</b>	0,02	4,0 x 2,8 x 1,9
<b>JG521R</b>	0,06	6,1 x 4,2 x 3,0
<b>JG522R</b>	0,16	8,3 x 5,4 x 4,1
<b>JG523R</b>	0,4	11,1 x 7,2 x 5,6
<b>JG524R</b>	1,0	15,1 x 10,0 x 7,3
<b>JG525R</b>	2,5	21,1 x 14,5 x 9,6

Laborschalen  
Round bowls



<b>JG504R</b>	170 mm	6 3/4"
<b>JG506R</b>	250 mm	10"
<b>JG508R</b>	275 mm	10 3/4"

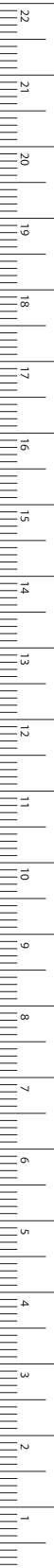
Nierenschalen  
Kidney trays





Nierenschalen, Laborschalen – Kidney Trays, Bowls  
Sterilisierzangen  
Sterilizing Forceps

JG



MILLIMETERS

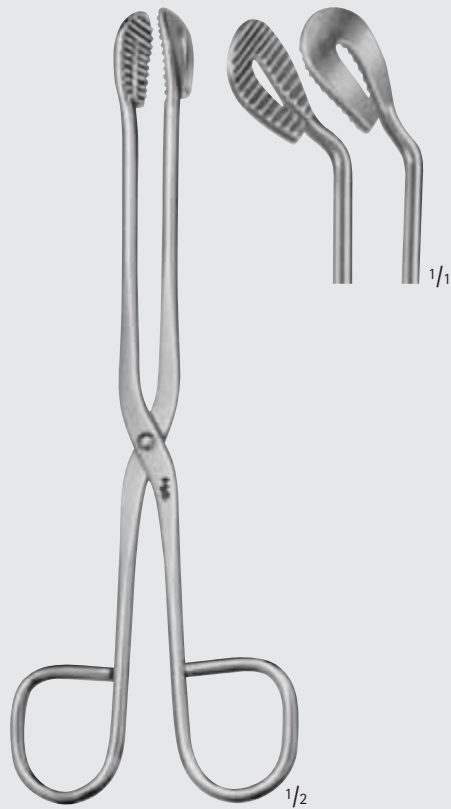


1/3

CHEATTLE

JG820R

280 mm, 11"



1/1

1/2

JG822R

210 mm, 8 1/4"



INCHES



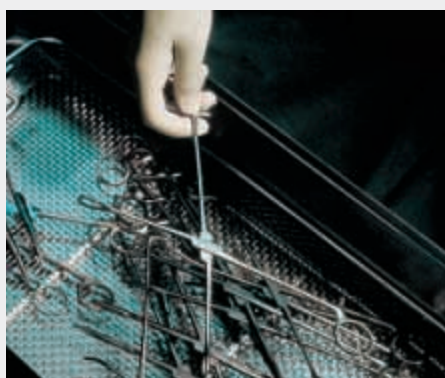
JG



Instrumentenpflege, Reinigungshinweise  
Care and Maintenance of Instruments

# Instrumentenpflege, Reinigungshinweise – Care and Maintenance of Instruments

## Reinigung – Desinfektion – Sterilisation von chirurgischen Instrumenten



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 Rundbürsten aus Kunststoff reinigen. Die Durchmesser von Lumen und Bürste müssen einander entsprechen.
- Schlusspülung 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.
- Schlusspülung mit vollentsalztem Wasser durchführen.
- Ausreichende Trocknungsphase einhalten.
- Instrument sofort nach Beendigung des Programms aus der Maschine nehmen.



# Instrumentenpflege, Reinigungshinweise – Care and Maintenance of Instruments

## Reinigung – Desinfektion – Sterilisation von chirurgischen Instrumenten

### 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 EN 285/ANSI/AAMI/ISO 11134-1993, ANSI/AAMI ST46-1993 und validiert gemäß EN 554/ISO 13683) 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. Physiologisch unbedenklich nach DAB und § 31 LMBG.



STERILIT®  
JG598

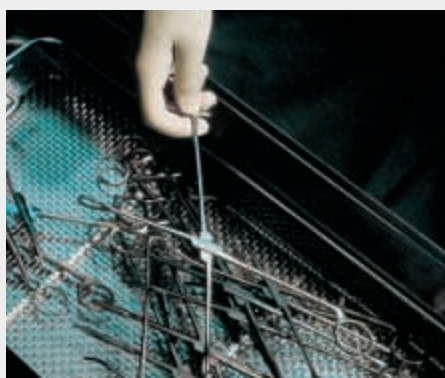
Aesculap Instrumenten-Öl, zum Ölen der Schlüsse, Sperren usw. vor der Sterilisation. Physiologisch unbedenklich nach DAB und § 31 LMBG.

Ausführliche Informationen zur Aufbereitung individueller Aesculap Produkte finden Sie in der Datenbank "Aufbereitung/Gebrauchsanweisungen" im Internet unter:

[www.aesculap-extra.net](http://www.aesculap-extra.net)

# Instrumentenpflege, Reinigungshinweise – Care and Maintenance of Instruments

## Care and Maintenance of Surgical Instruments



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, for example in the case of chisels, raspatories or microsurgical instruments.

### After each use

- Clean contaminated instruments as quickly as possible.
- Open instruments with a joint to a 90°- angle.
- For machine cleaning, place instrument in a wire 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 dismantlable 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.

- Microsurgical 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.



# Instrumentenpflege, Reinigungshinweise – Care and Maintenance of Instruments

## Care and Maintenance of Surgical Instruments

- 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 microsurgery instruments in a suitable storage rack. Always secure micro 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 EN 285/ANSI/AAMI/ISO 11134-1993, ANSI/AAMI ST46-1993 and validated according to EN 554/ISO 13683.). 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. Physiologically inert acc. to DAB and S 31 LMBG (German Pharmacopoeia).



STERILIT®  
JG598

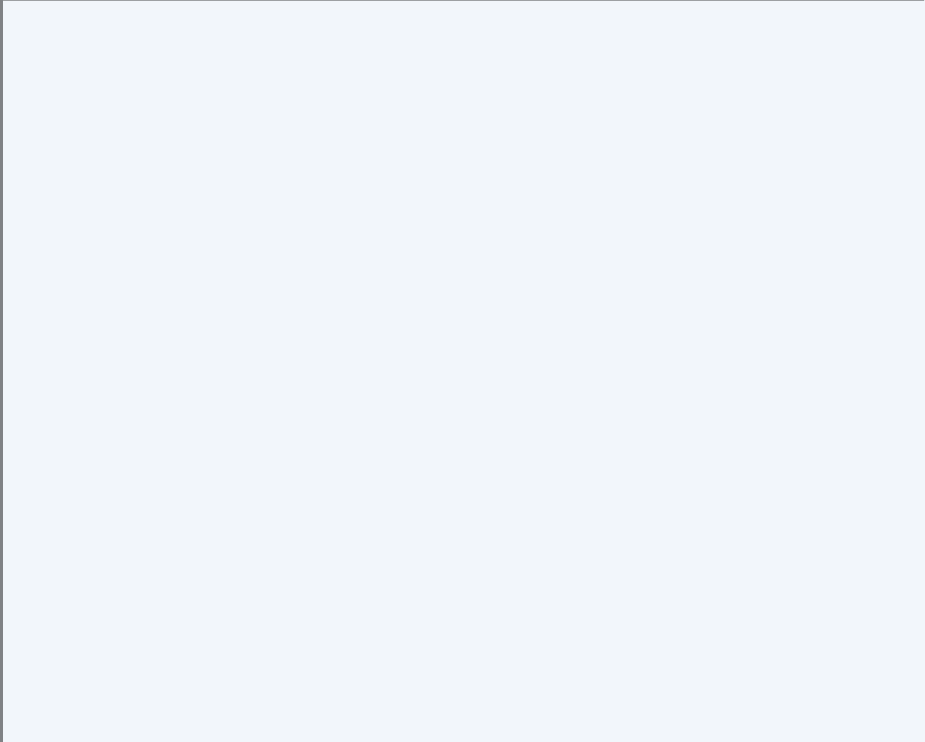
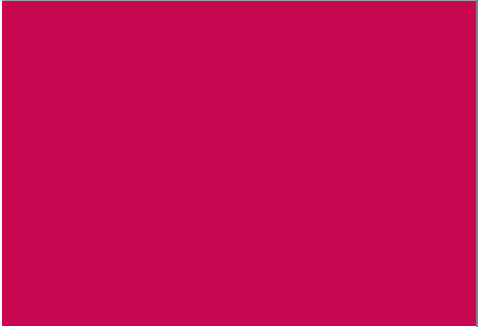
Aesculap Instrument Oil, for box locks, ratchets etc. prior to sterilization. Physiologically inert acc. to DAB and S 31 LMBG (German Pharmacopoeia).

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](http://www.aesculap-extra.net)



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