Teleflex is a global provider of medical technologies designed to improve the health and quality of people's lives. We apply purpose driven innovation – a relentless pursuit of identifying unmet clinical needs – to benefit patients and healthcare providers. Our portfolio is diverse, with solutions in the fields of vascular and interventional access, surgical, anesthesia, cardiac care, urology, emergency medicine and respiratory care. Teleflex employees worldwide are united in the understanding that what we do every day makes a difference. For more information, please visit teleflex.com.

Teleflex is the home of Arrow®, Deknatel®, Hudson RCI®, LMA®, Pilling®, Rüsch®, and Weck® – trusted brands united by a common sense of purpose.

Corporate Office
Phone +1 610 225 6800, 550 E. Swedesford Road, Suite 400, Wayne, PA 19087, USA

Regional Offices
United States: Phone +1 919 544 8000, Toll Free 866 246 6990, cs@teleflex.com, 3015 Carrington Mill Boulevard, Morrisville, NC 27560, USA

Latin America: Phone +1 919 433 4999, la.cs@teleflex.com, 3015 Carrington Mill Boulevard, Morrisville, NC 27560, USA

International: Phone +353 (0)9 06 46 08 00, orders.intl@teleflex.com, Teleflex Medical Europe Ltd., IDA Business and Technology Park, Dublin Road, Athlone, Co Westmeath, Ireland

Australia 1300 360 226
Austria +43 (0)1 402 47 72
Belgium +32 (0)2 333 24 60
Canada +1 (0)800 387 9699
China (Shanghai) +86 (0)21 6163 0965
China (Beijing) +86 (0)10 6418 5699
Czech Republic +420 (0)495 759 111
France +33 (0)5 62 18 79 40
Germany +49 (0)7151 406 0
Greece +30 210 67 77 717
India +91 (0)44 2836 5040
Italy +39 0362 58911
Japan +81 (0)3 6632 3600
Korea +82 2 536 7550
Mexico +52 55 5002 3500
Netherlands +31 (0)88 00 215 00
New Zealand 0800 601 100
Poland +48 22 4624032
Portugal +351 22 541 90 85
Singapore (SEA non-direct sales countries) +65 6439 3000
Slovak Republic +421 (0)3377 254 28
South Africa +27 (0)11 807 4887
Spain +34 918 300 451
Switzerland +41 (0)31 818 40 90
United Kingdom +44 (0)1494 53 27 61

For more information, please visit teleflex.com.

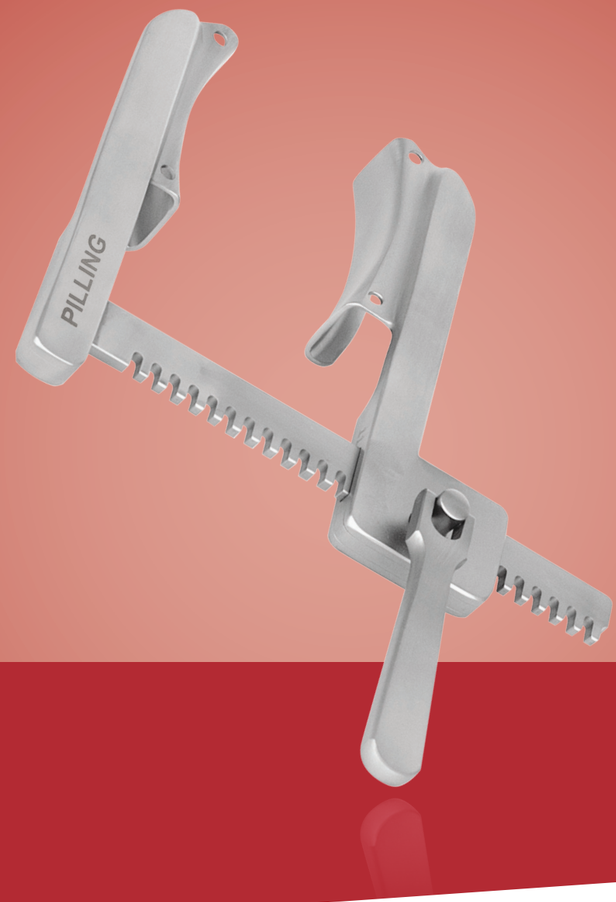
Teleflex, the Teleflex logo, Arrow, Deknatel, Hudson RCI, LMA, Pilling, Rüsch, and Weck are trademarks or registered trademarks of Teleflex Incorporated or its affiliates, in the U.S. and/or other countries.

Information in this material is not a substitute for the product Instructions for Use. Not all products may be available in all countries. Please contact your local representative. Revised: 02/2018.

© 2018 Teleflex Incorporated. All rights reserved. MC-003897 Rev 0

Pilling®

Cardiac, Vascular and Thoracic (CVT) Instruments Catalog



Pilling® CVT Instruments Catalog



Teleflex®

Teleflex®

GENERAL INFORMATION

Pilling® and Kmedic® Surgical Instruments 3
Guarantee/Warranty 5
Customer Service and Ordering Information 6
Care and Cleaning 7
Policies and Procedures 8

CARDIAC, VASCULAR AND THORACIC INSTRUMENTS

Overivew 11
CVT Forceps and Clamps 12
Bulldog™ and Micro Vessel Clamps 28
Vascular Clamps 41
Aortic Vascular Clamps 96
Scissors 124
CVT Needle Holders 142
Titanium Instruments: Forceps and Clamps 154
Titanium Instruments: Scissors 172
Titanium Instruments: Needle Holders 175
Rib Instruments 182
CVT Retractors 188
Valve Instruments 219
Aortic Punches 230
Heparin Cannulae 232
Suction Tubes 233
Vascular Dilators 236
Valvulotomes 240
Mediastinoscopy 242
Video-Assisted Thoracoscopy 248
Miscellaneous CVT 261
Specialty Sets 266

INDEX 272

PILLING® SURGICAL INSTRUMENTS

Quality That Builds Confidence

For more than 200 years, quality Pilling® Instruments have been provided to surgeons across the world to help improve the standard of patient care. The Pilling® Brand is well-known globally in the CVT and ENT specialties with numerous proprietary instruments co-developed with leading surgeons in these fields.

George P. Pilling joined a company started in 1814 that fashioned jewelry and fraternal emblems and guided the business into a new role. As hospitals in the Philadelphia, Pennsylvania area needed new tools to provide improved care for their patients, the Pilling Company met that important need and established itself as the oldest surgical instrument manufacturer in the United States.

Today, the Pilling® Brand is an important part of the Teleflex® Brand portfolio, and continues its legacy in providing high quality, hand-crafted instrumentation that meets the surgeon's requirements.

Over the years, the Pilling® Brand has maintained high standards of quality and continues to emphasize customer service and satisfaction. As surgical procedural needs change, specialty surgeons can count on Pilling® Branded instruments to meet their new requirements.



GENERAL INFORMATION

PILLING®

American Designed. World-class Quality.

Pilling® Surgical Instruments are fully guaranteed for the quality of material and workmanship and have been subjected to an established quality control process that consists of a comprehensive product inspection that verifies the form, fit and function of all the instruments.

Pilling® Forceps and Scissors are made of high grade stainless steel, processed to obtain optimum corrosion resistance, resilience and strength.

Ratchets on Pilling® Vascular Clamps provide indispensable finite control for arterial clamping. Ratchets are designed with the steps (ex 1 x 7, 1 x 9, 1 x 11) to furnish the specific amounts of required compression.

Pilling® DeBakey-type Jaws are designed to be atraumatic.

We are able to provide **laser surface or ebonized finishes** for most stainless steel instruments to provide the appropriate reflection-lowering finish for their use in laser surgery.

We continually strive to improve our products; therefore, changes may result. All specifications and measurements in this Catalog may vary within accepted industry standards or change without notice. Teleflex will not be responsible for any printing errors contained herein.

Measurements given in our Catalog refer to overall length, unless specified otherwise.

Reproduction of illustrations or descriptions is prohibited without the express written consent of Teleflex.

For more information on Pilling® Products, or to place an order, contact Customer Service at 866-246-6990.

PILLING® AND KMEDIC® SURGICAL INSTRUMENTS

Guarantee/Warranty*

This warranty information may be modified from time to time by Teleflex. Please check the Pilling® Instruments online catalog website for the most current warranty information: Pillinginstruments.com

Except as provided below, all surgical instruments stamped or etched with the Pilling® or KMedic® Brand shall be free from manufacturing defects in material or workmanship for the life of the instrument. Teleflex's sole responsibility under all warranty shall be, at Teleflex's option, to either repair, replace or refurbish any instrument proving defective, free of charge. Teleflex makes no warranty with respect to In-Ex branded instruments, lenses, malleable items, micro instruments, bougies and disposable products. This guarantee is void if instruments are not maintained or repaired properly, or if they are not used for their intended surgical purpose.

LIFE-LOK® BOX-LOCK

Pilling® Instruments that feature the LIFE-LOK® box-lock are warranted not to break or crack in the box-lock area due to stress buildup for the life of the instrument.

NEEDLE HOLDERS

Pilling® Needle Holders containing Tungsten Carbide (TC) inserts are warranted against cracking or fragmenting in the jaw for three (3) years.

TUNGSTEN CARBIDE INSERTS

KMedic® Scissors, Needle Holders and Wire Cutters that obtain Tungsten Carbide (TC) inserts are guaranteed for three (3) years. Replacement parts, such as springs, are guaranteed for one (1) year.

NON-DISPOSABLE LAPAROSCOPIC INSTRUMENTS

Pilling® Non-Disposable Laparoscopic Instruments are warranted against failure in normal use for one (1) year. This warranty does not cover routine sharpening or refurbishment, or repair of damage caused by misuse.

The above warranties are contingent upon the proper maintenance and use of the instruments and do not cover instruments that have been modified without Teleflex's approval or which have been subjected to unusual stress, or on which the original identification marks have been removed or altered.

TELESCOPES AND LIGHT CARRIERS

All light carriers and Rod Lens Telescopes etched with the Pilling® Name shall be free from manufacturing defects in material or workmanship. Any parts proving defective in the first 12 months of ownership will be serviced, repaired or replaced at Teleflex's option, free of charge.

This limited warranty is the only warranty provided by Teleflex. Teleflex disclaims all other warranties, either express or implied, including but not limited to implied warranties of merchantability and fitness for a particular purpose. In no event shall Teleflex have any liability for indirect, consequential, special, incidental or punitive damages, however caused, on any theory of liability and whether or not it has been advised of the possibility of such damages.

*This page includes warranty for North America for Pilling and KMedic brands.
Only select parts of this warranty apply to the CVT offering.

CUSTOMER SERVICE & ORDERING INFORMATION

Our highly trained customer service team is available to assist you with all your customer service needs including:

- New account establishment or account changes
- Order placement
- Order inquiries
- Delivery information
- Pricing inquiries
- Product information
- Product returns

UNITED STATES

Physical Address
Teleflex
3015 Carrington Mill Boulevard
Morrisville, NC 27560

Mailing Address
Teleflex
PO Box 12600
Research Triangle Park, NC 27709

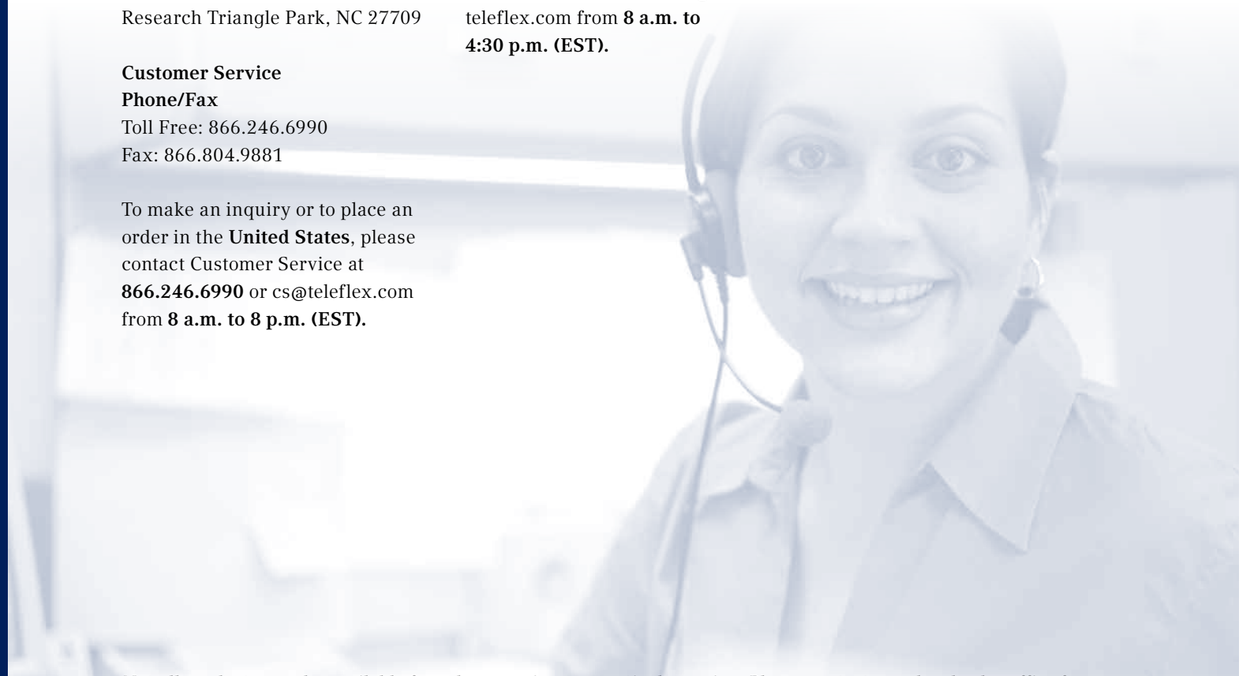
Customer Service
Phone/Fax
Toll Free: 866.246.6990
Fax: 866.804.9881

To make an inquiry or to place an order in the **United States**, please contact Customer Service at **866.246.6990** or cs@teleflex.com from **8 a.m. to 8 p.m. (EST).**

CANADA CUSTOMER SERVICE

Phone/Fax
Toll Free: 800-387-9699
Fax: 800-655-5304

To make an inquiry or to place an order in **Canada**, please contact Customer Service at **800.387.9699** or customerservicecanada@teleflex.com from **8 a.m. to 4:30 p.m. (EST).**



Not all products may be available for sale or use in your particular region. Please contact your local sales office for additional details.

CARE AND CLEANING

MAINTENANCE

Routine inspection for damaged tips, jaw alignment, loose box-locks and worn or damaged ratchets can identify problems. If caught early these problems can often be repaired at a much lower cost than the replacement price of an instrument which has become damaged beyond repair. Contact your Teleflex® Sales Representative to see the Weck® Care and Cleaning Products, set up an instrument inspection program, and review our extensive repair capabilities.

To locate Instructions For Use (IFU) and Cleaning and Sterilization Instructions for Pilling® Instruments, go to: www.teleflex.com/ifu.

GENERAL INFORMATION

POLICIES AND PROCEDURES

REFURBISHING/REPAIR SERVICE

Even the finest surgical instruments may need to be repaired or refurbished. Teleflex recognizes the need to provide rapid responses and quick turnaround times in these situations.

To expedite your repair, include hospital name and address, department to return, and a contact name and phone number. Any surgical instrument which needs refurbishing or repair, regardless of manufacturer, should be forwarded to:

Teleflex
United States Surgical Instrument Repair
4177 Varsity Drive Unit B
Ann Arbor, MI 48108
(877) TFX- RPR1
(877) 839-7771

TERMS AND CONDITIONS

Standard terms are: net 30 days; F.O.B. shipping point, unless otherwise approved in writing by Teleflex.

All orders are subject to approval and acceptance by Teleflex.

Teleflex reserves the right to alter or suspend credit, refuse shipment or cancel unfilled orders, when credit conditions or delivery delays from the customer warrant such action.

PARTIAL SHIPMENTS AND SPECIAL ORDERS

Due to demand for certain products, Teleflex cannot guarantee that every product will be available for immediate shipment. If a back order situation occurs, partial shipment will be made where possible. Your invoice will indicate any product on back order.

If partial shipments are not acceptable or practical, we will make every effort to ship the complete order at the earliest possible time.

Certain products are built to order and are subject to availability of raw materials. These products may require longer lead times.

RETURN GOODS POLICY

All returns must be accompanied by a “Return Goods Authorization Number” which is available by calling our Customer Service Department at 866-246-6990. Teleflex’s invoice number, order number and date of receipt of goods must be supplied to customer service in order to obtain a return goods number.

All returns must be made within sixty (60) days of invoice date. The products must be unused and in the original packaging.

Returned goods must be shipped prepaid to:
Teleflex
11425 N. Distribution Cove
Olive Branch, MS 38654

The goods should also be accompanied by a copy of the invoice or packing list and a return goods authorization number. All returns are subject to the Teleflex instrument’s inspection and acceptance and there will be a $5.00 per instrument charge for removal of etching applied at the customer’s request. The following items are non-returnable, other than for a manufacturing defect:

- Sterilized products
- Discontinued products
- Engraved instruments or instruments etched by hospital
- Instruments returned after sixty (60) days of invoice date
- Custom or modified items
- Silicone goods
- Disposable products



CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CHAPTER OVERVIEW

The Pilling® Brand is recognized worldwide for excellence achieved in the area of Cardiac, Vascular and Thoracic (CVT) surgical instrumentation. Pilling® CVT Instruments were co-developed with leading surgeons to help improve the standard of patient care and offer a wide selection of unique designs and patterns.

Pilling® CVT Surgical Instruments are high quality OR grade instruments made of German and US stainless steel. Specialty instruments include retractors for IMA takedown and cardiac procedures as well as hand-held instruments used in Mediastinoscopy and Thoracoscopy procedures.

PRODUCTS

Our full line of Pilling® CVT Instruments includes, but is not limited to:

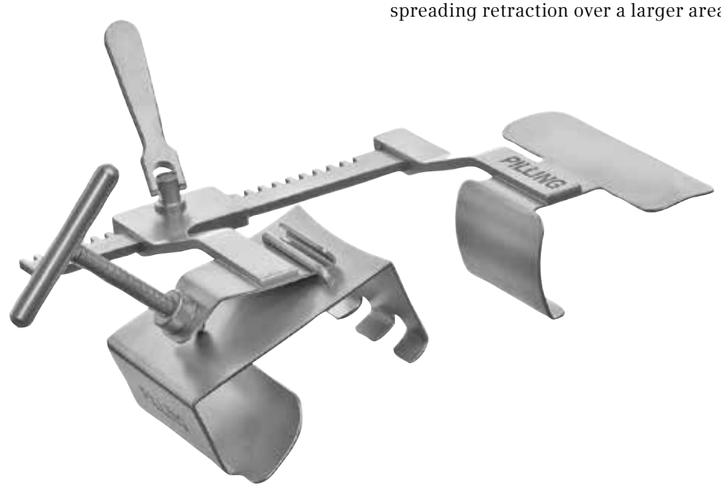
- Retractors: IMA, Sternal and Rib Spreaders
- Technique® Needle Holders, Forceps and Scissors
- Mediastinoscopy Instruments
- Thoracic Instruments
- Instrumentation for Video-Assisted Thoracoscopy
- Vascular Instruments

FEATURED PRODUCT

Pilling® IMA Retractor

Surgeon Control by Design

- Three-point retraction system spreads and lifts simultaneously for providing better visualization
- Patient-mounted design eliminates cumbersome table mounting
- Left or right IMA takedown capability
- Wide pivot capability permits large surface coverage, spreading retraction over a larger area



CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Tissue Forceps

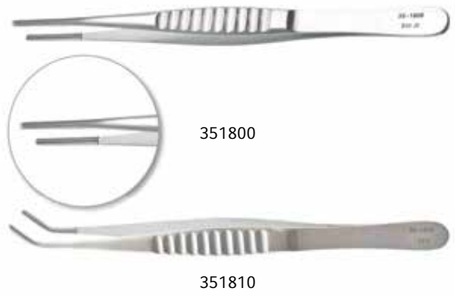
DEBAKEY-TYPE THORACIC TISSUE FORCEPS



These forceps are of heavier design than the DeBakey Vascular Tissue Forceps (351800 through 351814). The distal portion is tapered to a 3 mm DeBakey-type Tip. Because of the groove construction, they may also be used to hold and handle suture material.

CATALOG #	DESCRIPTION
342980	Straight, 3 mm tip, 6-1/8" (15.5 cm)
342981	Straight, 3 mm tip, 7-3/4" (19.5 cm)
342982	Straight, 3 mm tip, 9-1/2" (24 cm)
342984	Straight, 3 mm tip, 12" (30.5 cm)
342986	Angled, 3 mm tip, 12" (30.5 cm)

DEBAKEY-TYPE VASCULAR TISSUE FORCEPS



The distal 2 cm of these forceps is a narrow DeBakey-type Tip with a width of 2 mm. Jaws are very well fitted for handling tiny vessels as well as small suture material.

CATALOG #	DESCRIPTION
351800	Straight, 2 mm tip, 6" (15 cm)
351802	Straight, 2 mm tip, 7-3/4" (19.5 cm)
351804	Straight, 2 mm tip, 9-1/2" (24 cm)
351808	Straight, 2 mm tip, 12" (30.5 cm)
351810	Angled, 2 mm tip, 6" (15 cm)
351812	Angled, 2 mm tip, 7-3/4" (19.5 cm)
351814	Angled, 2 mm tip, 9-1/2" (24 cm)

CVT FORCEPS AND CLAMPS

Tissue Forceps

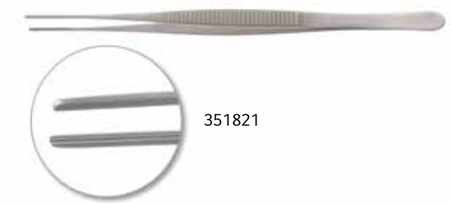
DEBAKEY-TYPE CARBIDE FORCEPS



DeBakey-type Jaws at distal tip. Tungsten carbide insert behind the jaw for secure needle pulling actions.

CATALOG #	DESCRIPTION
351815	Regular forceps, 6" (15 cm), TC
351817	Regular forceps, 7-3/4" (19.5 cm), TC
351819	Regular forceps, 9-1/2" (24 cm), TC
351818	Delicate forceps, 7-3/4" (19.5 cm), TC
351824	Delicate forceps, 9-1/2" (24 cm), TC

DEBAKEY-TYPE ULTRALIGHT FORCEPS



Lightweight construction, similar to that of titanium but at a much lower price. Ebonized stainless steel to reduce glare. Reduced tension minimizes fatigue and allows better control of delicate tissues.

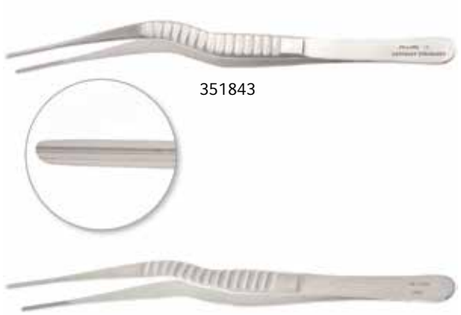
CATALOG #	DESCRIPTION
351820	1.5 mm tip, 6" (15 cm)
351821	1.5 mm tip, 7-3/4" (19.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Tissue Forceps

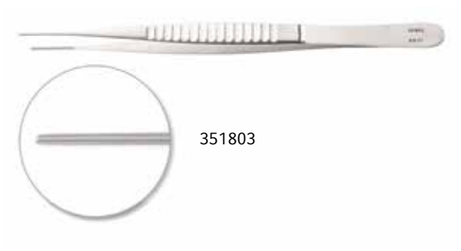
VASCULAR DEBAKEY-TYPE BAYONET TISSUE FORCEPS



DeBakey-type Jaws with a bayonet shape. Angled handles for difficult access and increased visibility.

CATALOG #	DESCRIPTION
351843	Standard, 2.0 mm tip, 7-3/4" (19.5 cm)
351845	Fine, 1.3 mm tip, 7-3/4" (19.5 cm)

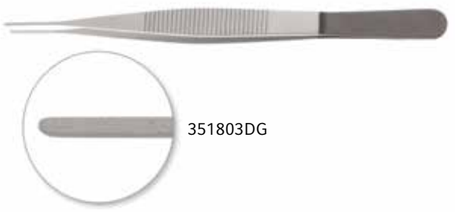
DEBAKEY-TYPE DIETHRICH DELICATE VASCULAR TISSUE FORCEPS



Designed for use during micro-vascular and coronary artery surgery. The distal portion is tapered to a 1 mm extra-fine DeBakey-type Tip.

CATALOG #	DESCRIPTION
351801	Straight, 1 mm tip, delicate, 1 mm tip, 6" (15 cm)
351803	Straight, 1 mm tip, delicate, 1 mm tip, 7-3/4" (19.5 cm)
351806	Straight, 1 mm tip, delicate, 1 mm tip, 9-1/2" (24 cm)

DEBAKEY-TYPE DIETHRICH DIAMA-GRIP TISSUE FORCEPS



CATALOG #	DESCRIPTION
351803DG	Straight, 1.3 mm tip, 7-3/4" (20 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Tissue Forceps

COOLEY JAW VASCULAR TISSUE FORCEPS



Narrow double row of fine serrations on each jaw. For delicate handling of fragile tissue.

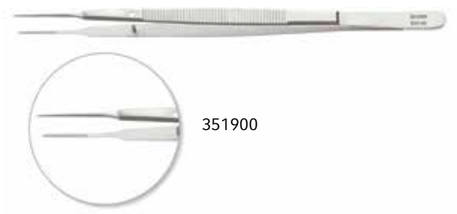
CATALOG #	DESCRIPTION
356000	6-1/4" (16 cm)
356002	8" (21 cm)
356003	9-1/2" (24 cm)

CORONARY ULTRA FINE TISSUE FORCEPS



CATALOG #	DESCRIPTION
351837	7" (18 cm)
351838	8" (21 cm)
351839	9" (23 cm)

GERALD DRESSING FORCEPS



These are full-size dressing forceps with the distal portion narrowed to provide light, delicate tips.

CATALOG #	DESCRIPTION
351900	Serrated, 7" (18 cm)
351902	Serrated, 9-3/4" (25 cm)

GERALD DRESSING FORCEPS

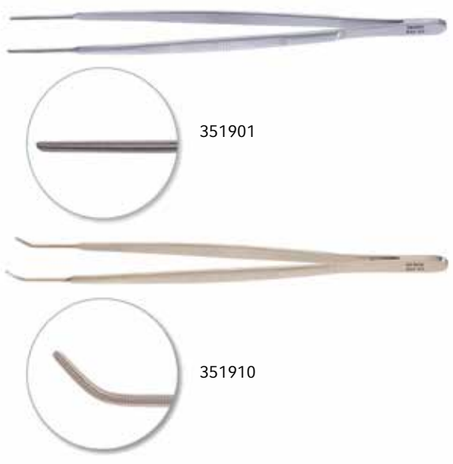


CATALOG #	DESCRIPTION
466225	Straight, serrated, 1.1 mm tip, 6-7/8" (17.5 cm), TC

CVT FORCEPS AND CLAMPS

Tissue Forceps

GERALD DEBAKEY-TYPE TISSUE FORCEPS



Delicate, tapered DeBakey-type Jaws.

CATALOG #	DESCRIPTION
351901	7" (18 cm)
351908	8" (20.5 cm)
351909	9-1/2" (24 cm)
351910	Angled, 6-7/8" (17.5 cm)

GERALD TISSUE FORCEPS



These are full-size tissue forceps with the distal portion narrowed to provide light, delicate tips.

CATALOG #	DESCRIPTION
351905	1 x 2 teeth, 7" (18 cm)
351907	1 x 2 teeth, 9-3/4" (25 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Tissue Forceps

GERALD DIAMA-GRIP DRESSING FORCEPS



CATALOG #	DESCRIPTION
351901DG	Straight, 1.1 mm tip, 7" (18 cm)

CARDIAC VALVE FORCEPS



CATALOG #	DESCRIPTION
351748	9-1/2" (25 cm)

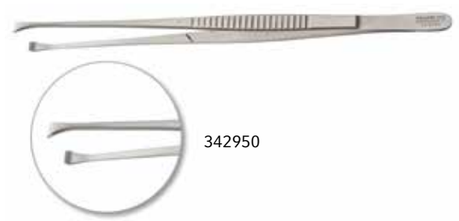
WHEELER TECHNIQUE® PLAQUE AND VESSEL FORCEPS



Very powerful grip at tips.

CATALOG #	DESCRIPTION
351825	DeBakey-type Jaw, 1.6 mm, 5-1/2" (14 cm)
351827	DeBakey-type Jaw, 1.6 mm, 7-1/8" (18 cm)
351829	DeBakey-type Jaw, 1.6 mm, 8-3/4" (22 cm)

NELSON TISSUE FORCEPS

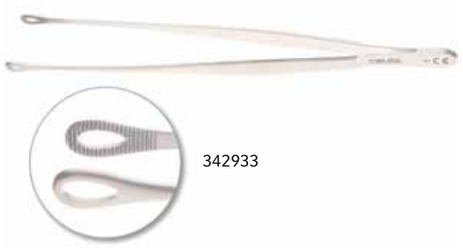


CATALOG #	DESCRIPTION
342950	6 x 7 sharp, fine teeth, 9" (23 cm)

CVT FORCEPS AND CLAMPS

Tissue Forceps

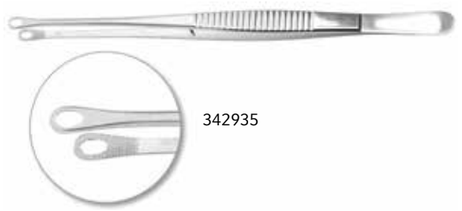
SINGLEY TISSUE FORCEPS



Serrated ring end 8.5 mm wide. Medium-heavy construction.

CATALOG #	DESCRIPTION
342933	9" (23 cm)

TUTTLE THORACIC TISSUE FORCEPS



Light construction. Ring tips 6.8 mm wide.

CATALOG #	DESCRIPTION
342935	9" (23 cm)

Micro Forceps

MICRO GRASPING FORCEPS



8 mm round handle. 0.5 mm wide tips have fine cross-hatch serrations for delicate grip.

CATALOG #	DESCRIPTION
357681	Straight, 7-7/8" (20 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Micro Forceps

MICRO TYING FORCEPS



Round handle, 8 mm diameter.

CATALOG #	DESCRIPTION
357658	Straight 0.5 mm wide tip with platform, 6" (15 cm)
357659	Curved 0.5 mm wide tip with platform, 6" (15 cm)
357660	Straight 0.5 mm wide tip with platform, 7-1/8" (18 cm)
357661	Curved 0.5 mm wide tip with platform, 7-1/8" (18 cm)

TEW TYING FORCEPS



Straight jaw with longitudinal serrations.

CATALOG #	DESCRIPTION
394430	Straight, 0.6 mm tip, 7-1/8" (18 cm)
394431	Straight, 1 mm tip, 7-1/8" (18 cm)

CVT FORCEPS AND CLAMPS

Micro Forceps

MICRO RING TIP FORCEPS



The 0.5 mm ring tip forceps are designed for the mammary/coronary arteries and other 1-3 mm sized vessels (e.g., tibial arteries in the lower leg). The 1.5 mm ring tip forceps are designed for larger vessels such as the saphenous vein, femoral arteries, etc. The ring tip forceps allows for a more secure grip on the tissue, yet it still has a fine tip. The sizing 1.5 mm and 0.5 mm pertains to the size of the hole in the tip.

CATALOG #	DESCRIPTION
357645	Saphenous/aorta, 1.5 mm ring tip forceps, 7" (18 cm)
357647	Mammary/coronary, 0.5 mm ring tip forceps, 7" (18 cm)
357648	Mammary/coronary, 0.5 mm ring tip forceps, 7-3/4" (20 cm)

MICRO DIAMA-GRIP RING FORCEPS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
357647DG	Small ring tip, 1 mm, 7" (18 cm)
357648DG	Small ring tip, 1.2 mm, 8" (21 cm)
357645DG	Large ring tip, 1.5 mm, 7" (18 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Micro Forceps

DENIS MICRO RING FORCEPS



CATALOG #	DESCRIPTION
358007	Straight, smooth, 1 mm tip, Diama-Grip jaws, 8-1/4" (21 cm)

Ligature Carriers

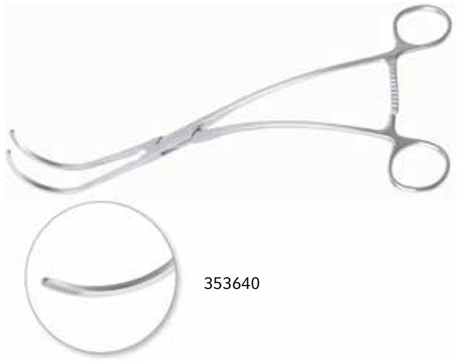
DARLING TAPE PASSING CLAMP "AORTA GO AROUND"



For passing ligature or tapes around the intrarenal abdominal aorta. Slightly angled, curved jaw with short segment of DeBakey-type Teeth.

CATALOG #	DESCRIPTION
353647	Curved, DeBakey-type Jaw, 2" (5 cm) tip length, curved shaft, 11-3/4" (29.5 cm)

DEBAKEY-TYPE MODIFIED SEMB LIGATURE CARRIER



The distal 1.5 mm of the jaws are a DeBakey-type Design to hold a ligature or umbilical tape for passage around the aorta. Jaws curve on 2.5 cm radius.

CATALOG #	DESCRIPTION
353640	10-3/8" (26.5 cm)

CVT FORCEPS AND CLAMPS

Ligature Carriers

FAVALORO-SEMB LIGATURE CARRIERS


353645

Jaws are constructed so that only the distal DeBakey-type surfaces approximate. The smooth portion of the jaws remains open to minimize inadvertent clamping of the aortic wall.

CATALOG #	DESCRIPTION
353645	Half curved, 11-1/4" (28.5 cm)
353646	Full curved, 10-7/8" (27.5 cm)

SEMB DISSECTING FORCEPS


342710

For dissecting and breaking adhesions.

CATALOG #	DESCRIPTION
342710	Slight curve, 10-1/4" (26 cm)

SEMB LIGATURE FORCEPS


342711

Tips perforated for use as a ligature carrier.

CATALOG #	DESCRIPTION
342711	9-3/4" (25 cm)

CVT FORCEPS AND CLAMPS

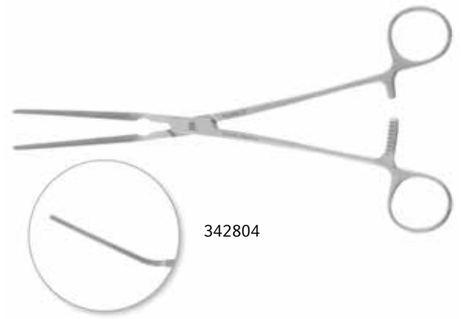
Bronchus and Lung Clamps

BABCOCK TISSUE FORCEPS


342726

CATALOG #	DESCRIPTION
183010	6-1/4" (16 cm)
183020	7-7/8" (20 cm)
342725	Serrated, 3/8" (9.5 mm) jaw, 9-1/2" (24 cm)
342726	Serrated, 1/2" (12.5 mm) jaw, 9-1/2" (24 cm)

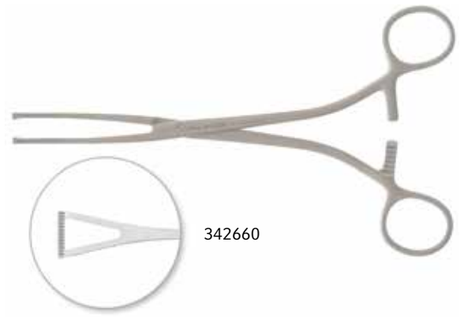
BRONCHUS CLAMP


342804

25 degree angled DeBakey-type Jaws are 5.5 cm long beyond angle.

CATALOG #	DESCRIPTION
342804	9" (23 cm)

COLLIN LUNG TISSUE FORCEPS


342660

Teeth across entire distal edge.

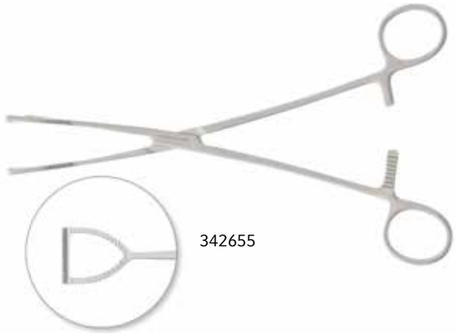
CATALOG #	DESCRIPTION
342660	5/8" (16 mm) jaw, 8" (20.5 cm)
342662	1-1/8" (28.5 mm) jaw, 8" (20.5 cm)
342664	1-1/8" (28.5 mm) jaw, 9" (23 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps

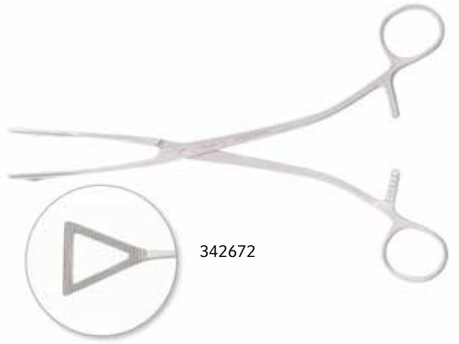
DEBAKEY-TYPE LUNG GRASPING FORCEPS



DeBakey-type Distal Sections on specially shaped fenestrated jaws provide a soft but secure hold with minimum tissue damage. Distal edge of jaws is 2.5 cm wide.

CATALOG #	DESCRIPTION
342655	9" (23 cm)

DUVAL LUNG TISSUE FORCEPS



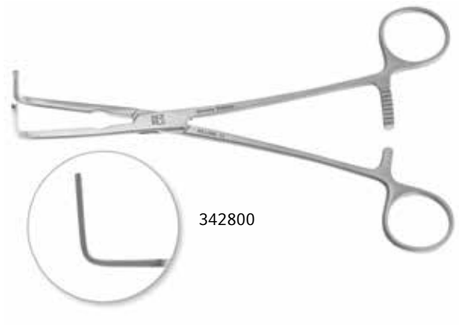
DeBakey-type, serrated Jaws. Jaw width 1" (2.5 cm).

CATALOG #	DESCRIPTION
342670	8" (21 cm)
342672	9" (23 cm)

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps

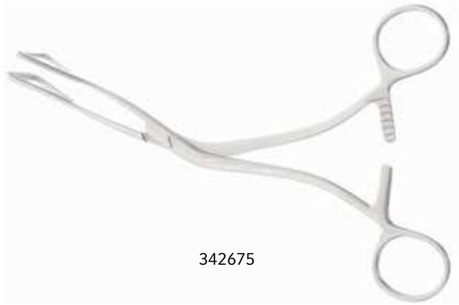
LEES BRONCHUS CLAMPS



DeBakey-type Jaw is 4 cm long beyond angle.

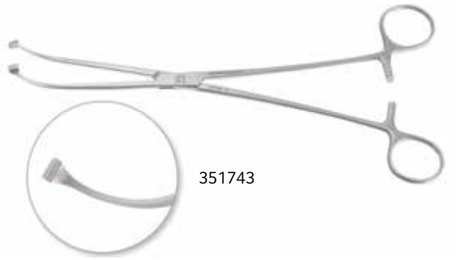
CATALOG #	DESCRIPTION
342800	Right angle, 8-1/8" (20.5 cm)
342802	Angled, 10" (25.5 cm)

LOVELACE LUNG TISSUE FORCEPS



CATALOG #	DESCRIPTION
342675	Angled to side, 1" (2.5 cm) DeBakey-type Jaw, 7-1/2" (19 cm)

REVUELTA-GARCIA ALLIS CURVED CLAMPS



Half curved, DeBakey-type Jaw.

CATALOG #	DESCRIPTION
351743	10-1/8" (25.5 cm)
351744	10-7/8" (27.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps

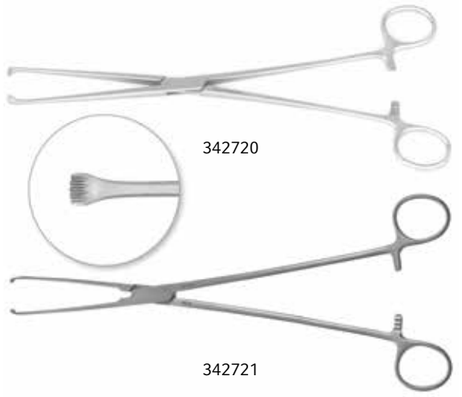
SAROT BRONCHUS CLAMPS



Clamps are made in left and right models so that spiked blade will never be passed beneath the bronchus, thus avoiding trauma. Adult size 9-1/4" (23.4 cm) length to angle, 3.3 cm jaw length.

CATALOG #	DESCRIPTION
342822	Right
342823	Left

WILLAUER-ALLIS TISSUE FORCEPS



Extra long, Allis-type forceps with 5 x 6 teeth. Non-glare finish, stainless steel.

CATALOG #	DESCRIPTION
342720	10" (25.5 cm)
342721	11-1/4" (28.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT FORCEPS AND CLAMPS

Chest Drain Pulling Clamp

CHEST DRAIN PULLING CLAMP



Pointed Rochester-Pean-type hemostat with three spikes in the jaw for grasping and pulling chest drains.

CATALOG #	DESCRIPTION
343590	8-5/8" (22 cm)

BULLDOG™ AND MICRO VESSEL CLAMPS

Bulldog™ Clamps

DEBAKEY-TYPE CROSS ACTION BULLDOG™ CLAMPS



353050



353052



353054



353062



353066

These DeBakey-type Jaw Clamps are used for temporary occlusion of major peripheral arteries. They are made in several sizes to facilitate their application under varying circumstances. They present a relatively smooth surface with particular attention to the elimination of suture-catching projections.

CATALOG #	DESCRIPTION
353050	Straight, 3/4" (2 cm) tip length, 3-1/8" (8 cm)
353052	Straight, 1-1/8" (3 cm) tip length, 3-1/2" (9 cm)
353054	Straight, 2" (5 cm) tip length, 4-1/4" (11 cm)
353056	Straight, 2-5/8" (6.8 cm) tip length, 4-7/8" (12.5 cm)
353060	Curved, 5/8" (1.5 cm) tip length, 2-7/8" (7.5 cm)
353062	Curved, 1" (2.5 cm) tip length, 3-1/4" (8 cm)
353064	Curved, 1-5/8" (4 cm) tip length, 3-7/8" (10 cm)
353066	Curved, 2-1/8" (5.5 cm) tip length, 4-1/4" (11 cm)

BULLDOG™ AND MICRO VESSEL CLAMPS

Bulldog™ Clamps

DIETHRICH BULLDOG™ CLAMPS



353150



353151



353152



353153

Low tension clamps for coronary arteries.

CATALOG #	DESCRIPTION
353150	Straight, 3/8" (9.5 mm) jaw
353151	Straight, 1/2" (12 mm) jaw
353152	Straight, 3/4" (20 mm) jaw
353153	Angled, 5/16" (8 mm) jaw
353154	Angled, 1/2" (12 mm) jaw
353155	Angled, 3/4" (20 mm) jaw



353154



353155

EFFLER-GROVES SPECIAL LIGHTWEIGHT BULLDOG™ CLAMP



355819

Delicate model for clamping the mammary artery.

CATALOG #	DESCRIPTION
355819	2-3/4" (7 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

BULLDOG™ AND MICRO VESSEL CLAMPS

Bulldog™ Clamps

GLOVER STYLE BULLDOG™ CLAMPS



353100



353102



353105



353112



353120

With DeBakey-type Jaws. These clamps permit regulation of the tension by means of an adjusting screw. The largest sizes are made specifically for temporary occlusion of large arteries such as the carotid, subclavian and iliac.

CATALOG #	DESCRIPTION
353100	Straight, 3/4" (2 cm) jaw, 2-1/4" (5.5 cm)
353102	Straight, 1-1/4" (3.5 cm) jaw, 2-3/4" (7 cm)
353105	Straight, 1-5/8" (4 cm) jaw, 3-1/2" (9 cm)
353110	Curved, 5/8" (1.5 cm) jaw, 2" (5 cm)
353112	Curved, 1" (2.5 cm) jaw, 2-1/2" (6 cm)
353115	Curved, 1-3/8" (3.5 cm) jaw, 3-1/8" (8 cm)
353120	Angled, 1-1/4" (3.5 cm) jaw, 1-7/8" (5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

BULLDOG™ AND MICRO VESSEL CLAMPS

Bulldog™ Clamps

HESS ANGULAR MOSQUITO TIP SERREFINE



353025

The pointed, serrated tips greatly facilitate cannulation of small blood vessels where exposure is limited. The spring avoids crushing the vasculature.

CATALOG #	DESCRIPTION
353025	2-1/8" (5.5cm)

JACOBSON BULLDOG™ CLAMPS



353131

353132

CATALOG #	DESCRIPTION
353131	Straight, 1-7/8" (5 cm)
353132	Curved, 1-5/8" (4.5 cm)

BULLDOG™ AND MICRO VESSEL CLAMPS

Bulldog™ Clamps

JOHNS HOPKINS (BLALOCK) BULLDOG™ CLAMPS



353001



353002



353003

CATALOG #	DESCRIPTION
353001	Straight, 1-1/2" (4 cm)
353002	Straight, 1-7/8" (5 cm)
353003	Straight, 2-1/4" (5.5 cm)
353011	Curved, 1-1/2" (4 cm)
353012	Curved, 1-7/8" (5 cm)
353014	Curved, 2-1/2" (6.5 cm)
353016	Curved, 3" (7.5 cm)



353012



353014

SANTULLI ANGULAR MODEL BULLDOG™ CLAMP



353070

CATALOG #	DESCRIPTION
353070	Angled, DeBakey-type Jaw length 1-5/8" (4 cm)

BULLDOG™ AND MICRO VESSEL CLAMPS

Bulldog™ Clamps

SENNING FEATHERWEIGHT BULLDOG™ CLAMPS



353135

Lightweight at 2 grams. Available in four tensions. Tension may be readjusted if necessary. Parallel jaws consist of double, opposing, finely serrated rows. 1-3/4" (4.5 cm).

CATALOG #	DESCRIPTION
353135	No. 1, Strong
353136	No. 2, Medium Strong
353137	No. 3, Medium Light
353138	No. 4, Light



353136



353137



353138

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

BULLDOG™ AND MICRO VESSEL CLAMPS

Bulldog™ Clamps

WOOD BULLDOG™ CLAMPS



353123



353125



353124



353126

Strong closing pressure.

CATALOG #	DESCRIPTION
353123	Straight, 3/8" (8 mm) jaw, 1-3/4" (4.5 cm)
353125	Straight, 1/2" (12 mm) jaw, 1-7/8" (5 cm)
353127	Straight, 3/4" (19 mm) jaw, 2" (5 cm)
353124	Angled, 3/8" (8 mm) jaw, 1-5/8" (4 cm)
353126	Angled, 1/2" (12 mm) jaw, 1-3/4" (4.5 cm)
353128	Angled, 3/4" (19 mm) jaw, 1-7/8" (5 cm)



353128

WYLIE LUMBAR BULLDOG™ CLAMP



353075

Jaw is more gently curved than the standard DeBakey-type Bulldog™ Jaw. Designed for placement posterior to the aorta for occlusion of lumbar arteries.

CATALOG #	DESCRIPTION
353075	7/8" (2 cm) jaw, 3" (7.5 cm)

BULLDOG™ AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

BRACHIAL LARGE VESSEL CLIPS



065110

24 mm blade, 2.5 mm wide at tip. Overall length 1.61" (4 cm).

CATALOG #	DESCRIPTION
065110	Straight
065111	Tapered

BULLDOG™ CLAMP APPLYING FORCEPS



353035

This long clamp makes fast application and removal of any Bulldog™ Clamp an easy task, even in the most inaccessible spot.

CATALOG #	DESCRIPTION
353035	9-1/2" (24 cm)

KLEINERT-KUTZ MICRO VESSEL CLIPS



065105



065145

CATALOG #	DESCRIPTION
065100	Straight blade, 1 x 3 mm, 0.34" (8.5 mm)
065105	Straight blade, 1 x 5 mm, 0.40" (10 mm)
065125	Angled blade, 1 x 5 mm
065145	Curved blade, 1 x 6 mm

BULLDOG™ AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

TEMPORARY OCCLUSION CLIPS



065108

CATALOG #	DESCRIPTION
065108	7 x 2 mm blade
065109	12 x 2 mm blade

LOUISVILLE MICRO VESSEL APPROXIMATOR WITH CLIPS



065172

With suture staying frame.

CATALOG #	DESCRIPTION
065172	1.5 x 8 mm blades, 1/2" (12.5 mm) bar
065173	1 x 5 mm blades, 7/16" (11 mm) bar

KLEINERT-KUTZ MICRO CLIP APPLYING FORCEPS



065155

CATALOG #	DESCRIPTION
065155	2-1/2" (6.5 cm)

BULLDOG™ AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

RIZZUTI ANGLED MICRO CLIP APPLYING FORCEPS



065175

Applier opens approximator simultaneously or individually.

CATALOG #	DESCRIPTION
065175	5-1/2" (14 cm)

SCHWARTZ MICRO-BULLDOG™ CLAMPS



353041

353042

353043

For temporary occlusion of minor vessels. 1" (2.5 cm).

CATALOG #	DESCRIPTION
353041	Straight, 1" (2.5 cm)
353042	Slight Curved, 1/4" (6.4 mm) tip length, 1" (2.5 cm)
353043	Strongly Curved, 3/8" (10.2 mm) tip length, 1" (2.5 cm)

SCHWARTZ CLAMP HOLDING FORCEPS



353040

CATALOG #	DESCRIPTION
353040	7-1/2" (19 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

BULLDOG™ AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

RENAL PERFUSION CLAMPS



353140

353142

CATALOG #	DESCRIPTION
353140	10 mm x 15 mm DeBakey-type Jaw (Pediatric, single renal artery)
353142	10 mm x 25 mm DeBakey-type Jaw (Adult, multiple renal arteries)

BULLDOG™ AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

MICRO-ANEURYSM BULLDOG™ CLIPS AND APPLIERS



357580



357581



357582



357583



357586

Closing force is approximately 170 grams.
Single use only.

CATALOG #	DESCRIPTION
357580	Straight, 7 mm
357581	Straight, 8 mm
357582	Angled, 9 mm
357583	Slight curve, 9 mm
357586	Applying forceps for Micro-Aneurysm Clips, 7-1/2" (19 cm)

Caution: These clips should be compressed only when properly seated in the appropriate applying forceps, never with the fingers. If compression of a clip is started but the clip is not used, it must be discarded and a new clip used.

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

BULLDOG™ AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

MINI-ANEURYSM BULLDOG™ CLIPS AND APPLIERS



357590



357591



357592



357593

Closing force is approximately 170 grams.
Single use only.

CATALOG #	DESCRIPTION
357590	Straight, 4 mm
357591	Straight, 6 mm
357592	Curved, 7 mm
357593	Applying forceps for Mini-Aneurysm Clips, 8-1/4" (21 cm)

Caution: These clips should be compressed only when properly seated in the appropriate applying forceps, never with the fingers. If compression of a clip is started but the clip is not used, it must be discarded and a new clip used.

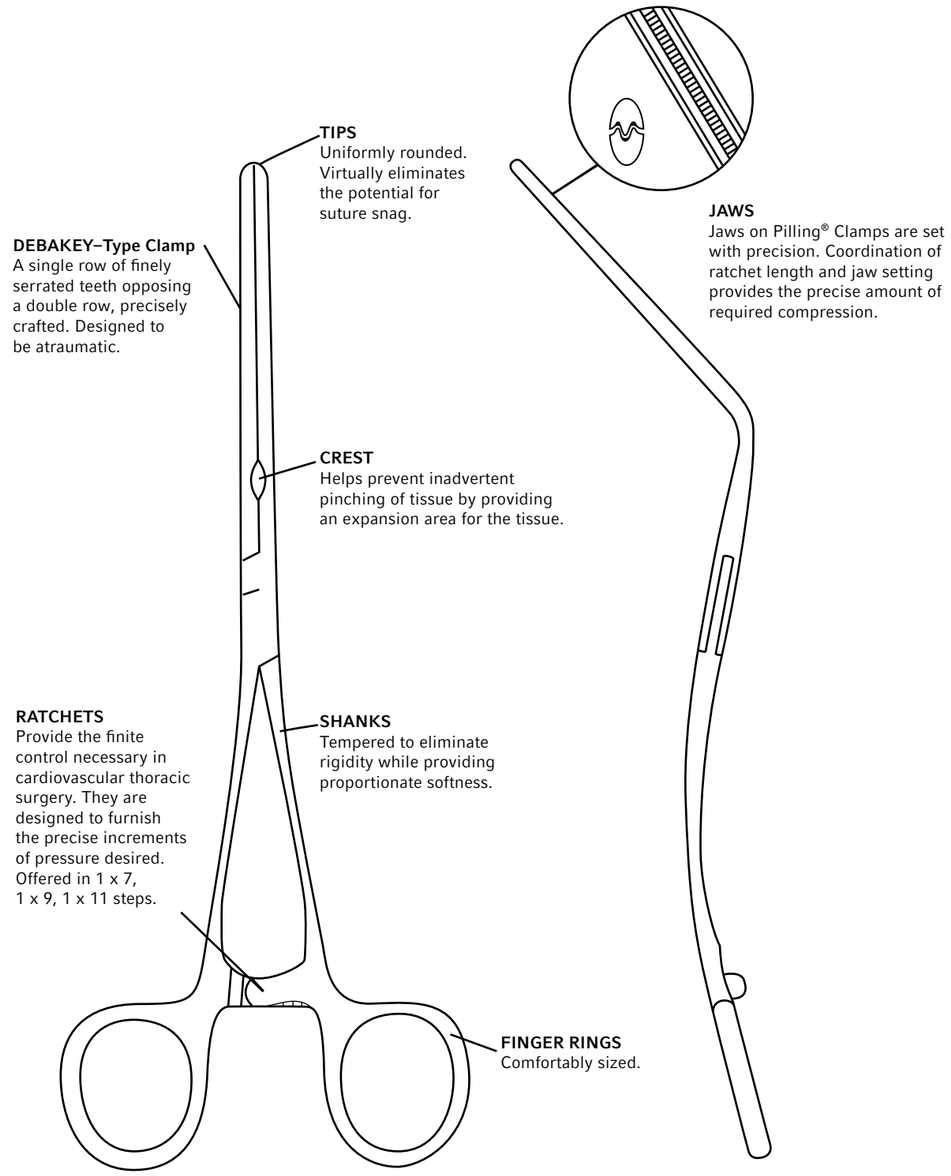
MICRO CLIP TRAY



065199

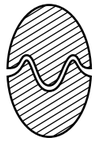
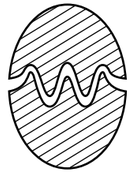
CATALOG #	DESCRIPTION
065199	1-3/4" x 2-3/4" x 1/2" (4.5 x 7 x 1.5 cm)

PILLING® VASCULAR CLAMPS



PILLING® VASCULAR CLAMPS

Types of Jaws Used in Pilling® Cardiovascular Clamps

JAW CROSS SECTIONS	
Relative Size	Enlargement
 DeBakey–type	
 Small DeBakey–type	
Extra Fine DeBakey–type	
 DeBakey–type 2 x 3	
 Cooley	
Pediatric, 1 mm	

A single row of serrated teeth opposing a double row. The most commonly used jaw design (and most imitated). Proven through many years' use at hospitals throughout the world on adult peripheral vascular, aortic occlusion and partial occlusion clamps.

A small version of the DeBakey–type Jaws used on most bulldogs, vascular tissue forceps and numerous pediatric clamps.

The smallest size DeBakey–type Jaws used on many new pediatric and adult peripheral vascular clamps, bulldogs and forceps.

Double row of serrated teeth opposing a triple row. This modified version of the DeBakey–type Serration, having a broader clamping surface, is used on large clamps for aortic cross clamping and on diseased and calcified arteries. Clamps with the 2 x 3 serration are also used frequently in general surgery as bowel clamps.

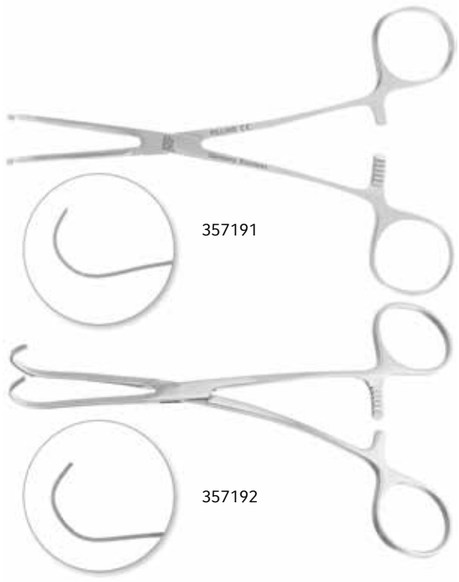
Two opposing rows of atraumatic teeth. Sized for surgery on infants and children as the jaws grasp vessels firmly. Also available on a limited group of adult vascular clamps.

Narrow, single row of opposing teeth. Sized for neonatal vascular surgery, these clamps have also proven of value in adult surgery of the carotid femoral and popliteal arteries and for creating AV fistulas.

VASCULAR CLAMPS

Pediatric Clamps, 1 mm Jaw

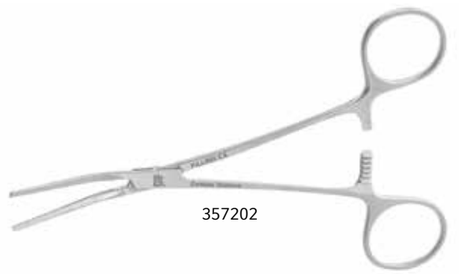
CASTANEDA PEDIATRIC CLAMPS



Versatile, multipurpose clamps sized for neonatal use. Long, slightly curved handles, 1 x 6 ratchets.

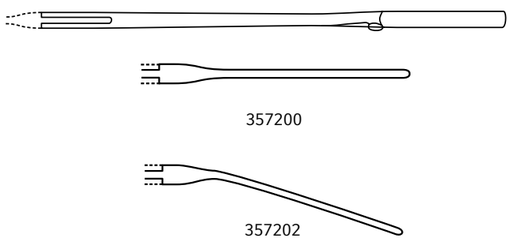
CATALOG #	DESCRIPTION
357191	Long, small jaw, 1 mm thick, 9/16" (1.5 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)
357192	Long, large jaw, 1 mm thick, 3/4" (2 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)

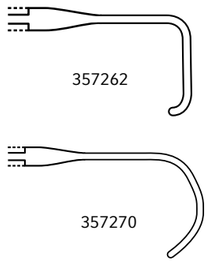
PILLING® LONG 1 MM PEDIATRIC CLAMPS



To determine the overall length of our vascular clamps, measure the handle type and the jaw type and add measurements together to obtain the overall size. Blades are scribed from the tips in 5 cm graduations.

CATALOG #	DESCRIPTION
357200	Straight handles, 6-1/8" (15.5 cm)
357202	Straight handles, 6-1/8" (15.5 cm)
357262	Angled handles, 5-5/8" (14.5 cm)
357270	Angled handles, 5-7/8" (15 cm)

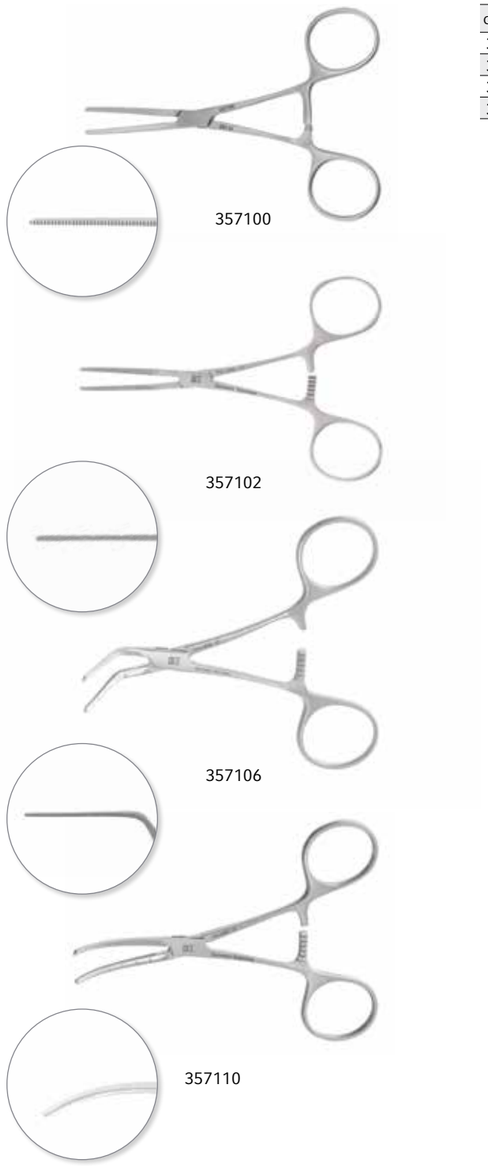




VASCULAR CLAMPS

Pediatric Clamps, 1 mm Jaw

PILLING® SHORT 1 MM PEDIATRIC CLAMPS

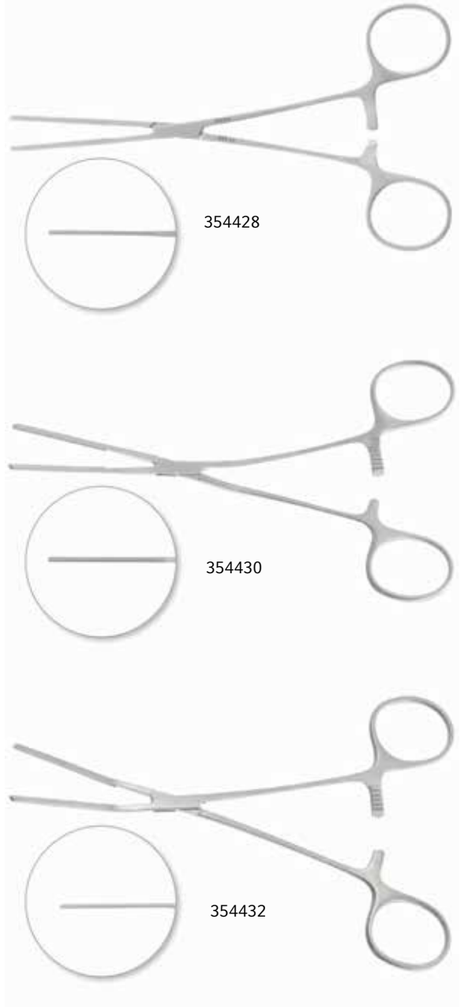


CATALOG #	DESCRIPTION
357100	Straight handles, 4-5/8" (12 cm)
357102	Straight handles, 4-1/2" (11.5 cm)
357106	Straight handles, 4" (10.5 cm)
357110	Straight handles, 4-1/2" (11.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE COARCTATION CLAMPS



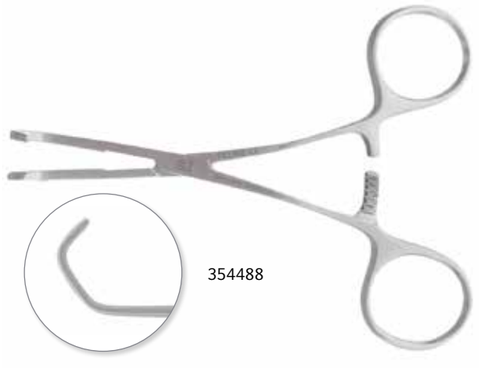
CATALOG #	DESCRIPTION
354428	Straight, 6-3/8" (16 cm)
354430	Angled shank, 6-1/4" (16 cm)
354432	Jaw angled 15 degrees, 6-1/2" (16.5 cm)

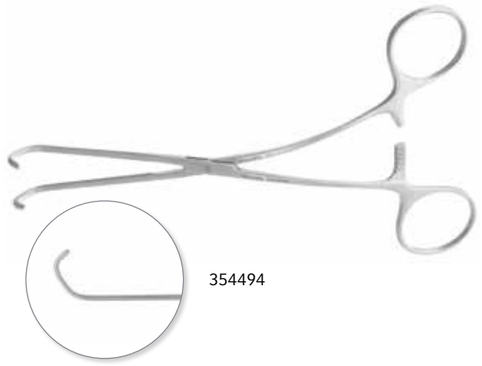
CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

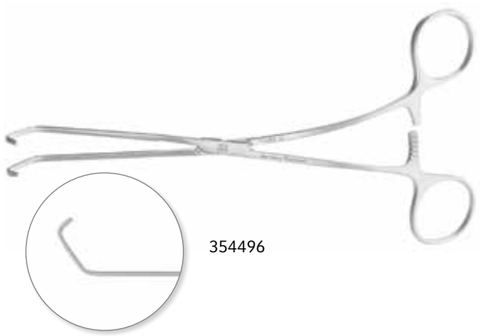
Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE PARTIAL OCCLUSION CLAMPS







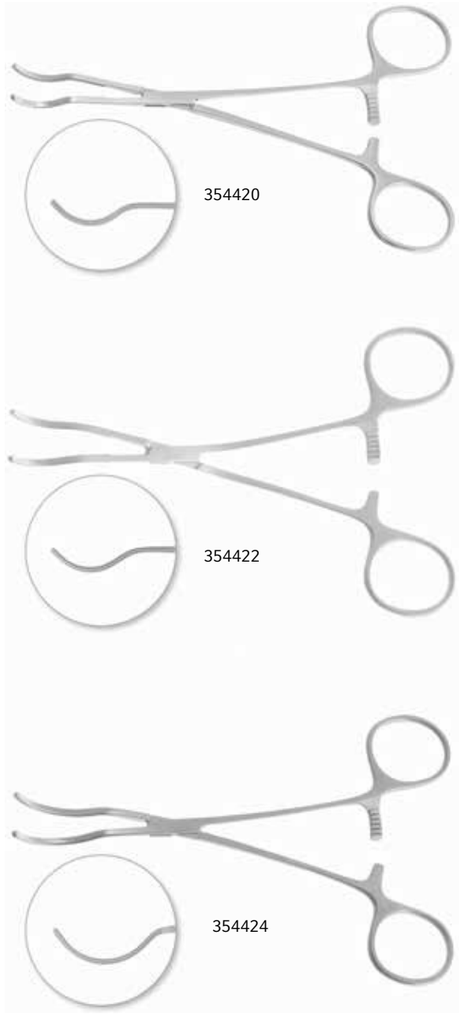


CATALOG #	DESCRIPTION
354488	Small, 4-3/8" (11 cm)
354490	Medium, 4-3/8" (11 cm)
354494	Large, 6-1/4" (16 cm)
354496	Small, extra-long, 6-5/8" (17 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE SPOON CLAMPS



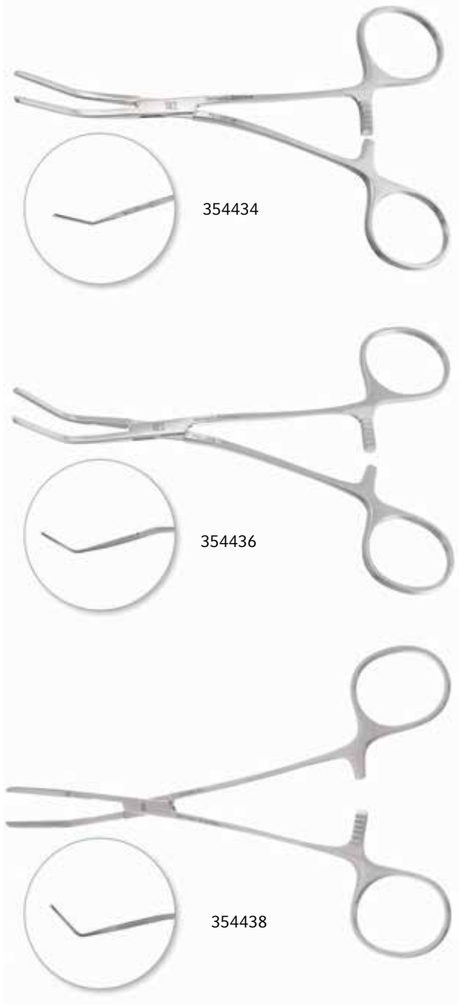
CATALOG #	DESCRIPTION
354420	Small spoon, 6-1/4" (16 cm)
354422	Small spoon, angled, 5-3/4" (14.5 cm)
354424	Large spoon, 6-1/8" (15.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE MULTIPURPOSE VASCULAR CLAMPS

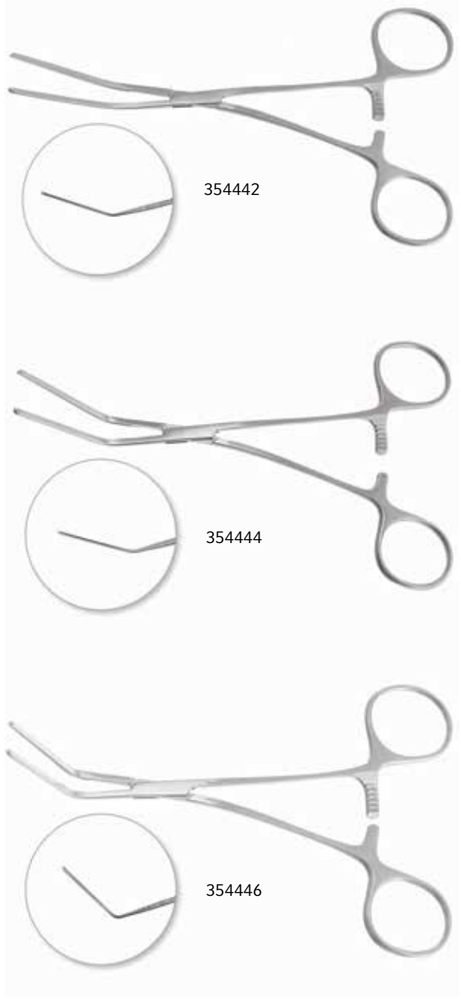


CATALOG #	DESCRIPTION
354434	Angled 30 degrees, jaw length 20 mm, 5-3/4" (14.5 cm)
354436	Angled 45 degrees, jaw length 20 mm, 5-1/2" (14 cm)
354438	Angled 60 degrees, jaw length 20 mm, 5-3/8" (13.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE MULTIPURPOSE VASCULAR CLAMPS LONG



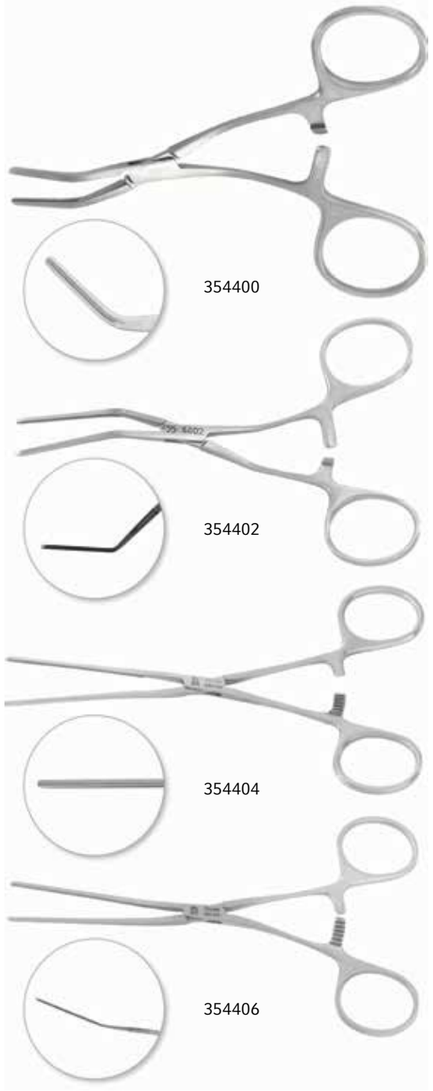
CATALOG #	DESCRIPTION
354442	Angled 30 degrees, 6-1/2" (16.5 cm)
354444	Angled 45 degrees, 6-1/8" (15.5 cm)
354446	Angled 60 degrees, 5-3/4" (14.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE PEDIATRIC AND ADULT VASCULAR CLAMPS

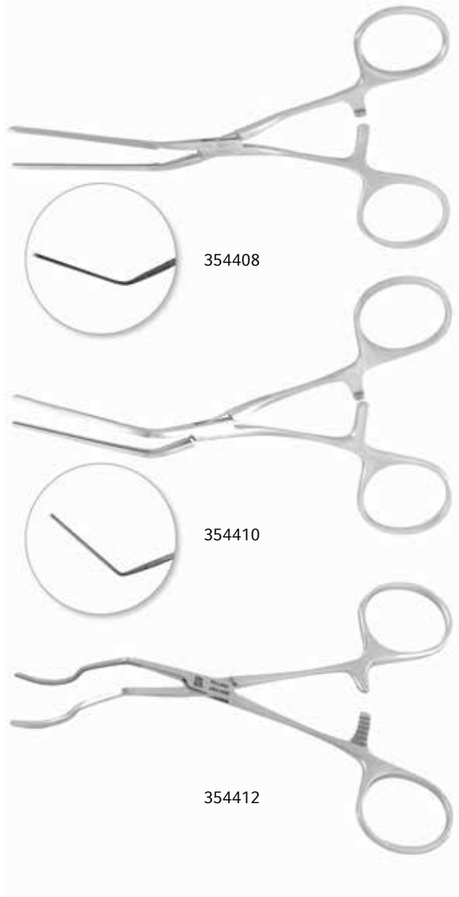


CATALOG #	DESCRIPTION
354400	Small, angled 45 degrees, 5/8" (1.5 cm) jaw, 3-7/8" (10 cm)
354402	Medium, angled 45 degrees, 4-1/8" (10.5 cm)
354404	Large, straight, 5-1/2" (14 cm)
354406	Angled 15 degrees, 5-1/4" (13.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE PEDIATRIC AND ADULT VASCULAR CLAMPS



CATALOG #	DESCRIPTION
354408*	Angled 45 degrees, 1-3/8" (3.5 cm) jaw, 4-7/8" (12.5 cm)
354410	Angled 60 degrees, 1-5/8" (4 cm) jaw, 4-3/8" (11 cm)
354412	Angled 90 degrees, 1-7/8" (4.8 cm) tip length, 3-3/4" (9.5 cm)

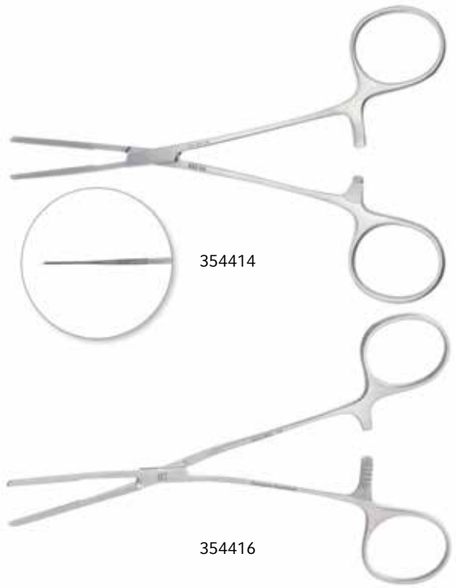
*Not available in Canada

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

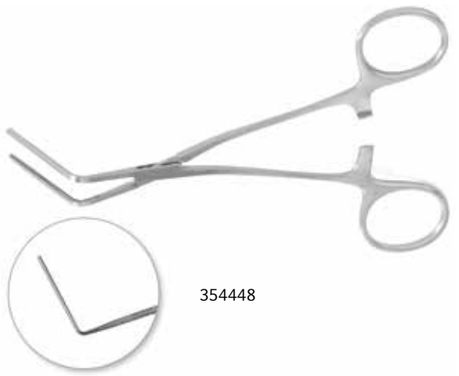
Pediatric Clamps, 1.5 mm Jaw

DEBAKEY-TYPE PATENT DUCTUS CLAMPS



CATALOG #	DESCRIPTION
354414	Straight, 1.7 mm tip width, 6" (15 cm)
354416	Angled 20 degrees, 1.7 mm tip width, 6" (15 cm)

DEBAKEY-TYPE PEDIATRIC AND ADULT VASCULAR CLAMPS



CATALOG #	DESCRIPTION
354448	Large, angled 90 degrees, 5-1/4" (13 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBORAH-CASTANEDA PARTIAL OCCLUSION CLAMPS



Jaw blades calibrated at 5 mm intervals.

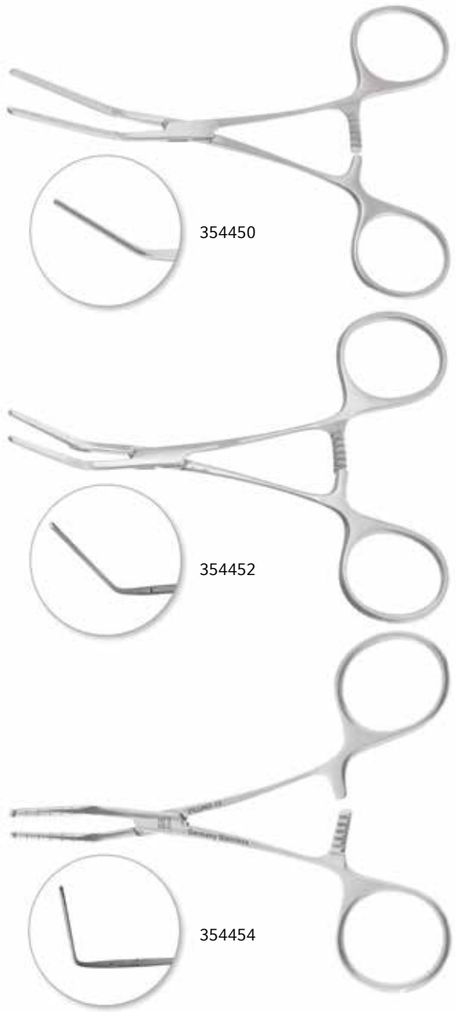
CATALOG #	DESCRIPTION
354456	Small, 25 mm jaw, 4-1/2" (11.5 cm)
354458	Medium, 18 mm jaw, 5-5/8" (14 cm)
354460	Large, 21 mm jaw, 5-3/4" (14.5 cm)
354462	Extra-large, 26 mm jaw, 5-7/8" (15 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBORAH-CASTANEDA PERIPHERAL VASCULAR CLAMPS



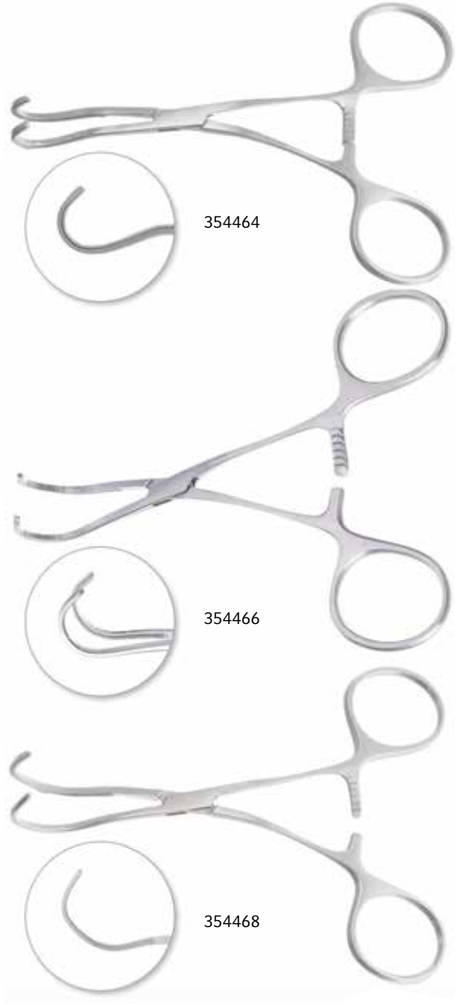
Jaw blades calibrated at 5 mm intervals.

CATALOG #	DESCRIPTION
354450	Angled 30 degrees, 30 mm jaw, 4-3/4" (12 cm)
354452	Angled 50 degrees, 30 mm jaw, 4-5/8" (11.5 cm)
354454	Angled 90 degrees, 30 mm jaw, 3-3/4" (9.5 cm)

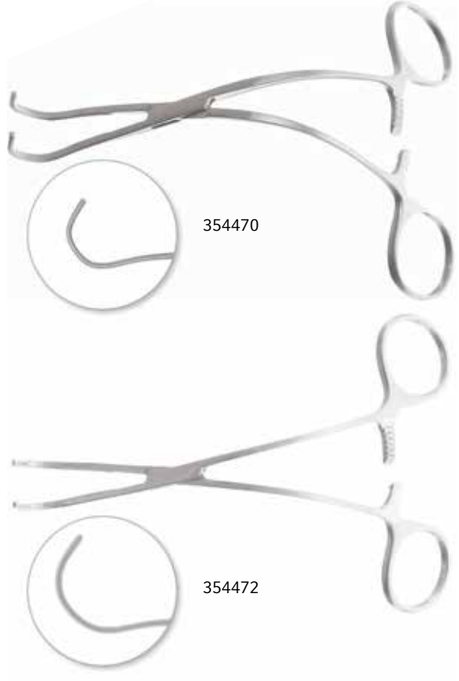
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DERRA PARTIAL OCCLUSION CLAMPS



CATALOG #	DESCRIPTION
354464	Short, small, 10 mm jaw, 4-3/8" (11 cm)
354466	Short, medium, 16 mm jaw, 4-3/8" (11 cm)
354468	Short, large, 28 mm jaw, 4-5/8" (11.5 cm)
354470	Small, curved handle, 17 mm jaw, 4-3/8" (11 cm)
354472	Medium, curved handle, 22 mm jaw, 4-3/4" (12 cm)

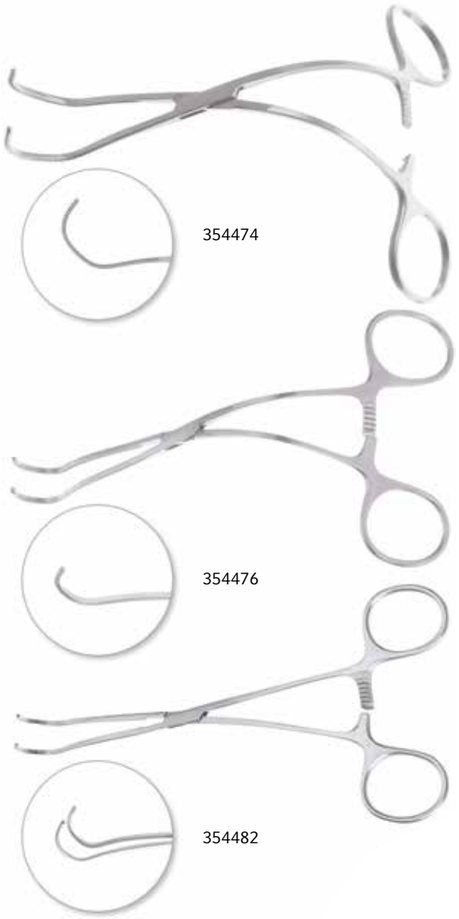


CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

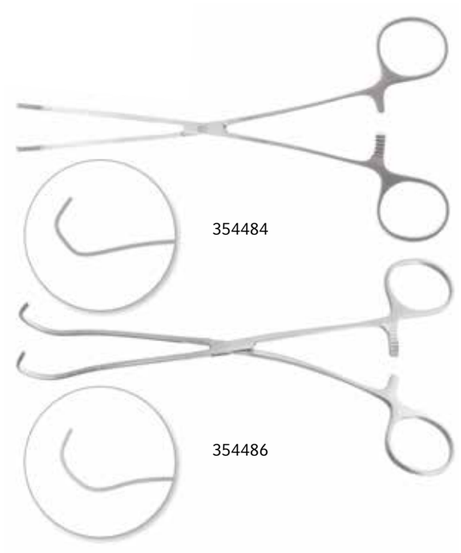
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DERRA PARTIAL OCCLUSION CLAMPS



CATALOG #	DESCRIPTION
354474	Large, curved handle, 25 mm jaw, 4-1/2" (11.5 cm)
354476	Deep, small, curved handle, 17 mm jaw, 5-5/8" (14 cm)
354482	Deep, small, extra-long, 18 mm jaw, 7" (18 cm)
354484	Deep, medium, extra-long, 22 mm jaw, 7" (18 cm)
354486	Deep, large, extra-long, 25 mm jaw, 7-1/4" (18.5 cm)

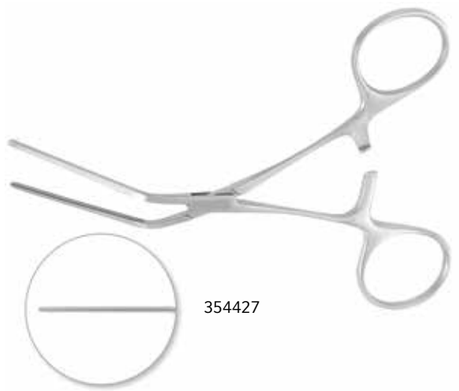


CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

REPLOGIE PEDIATRIC AORTA CROSS CLAMP



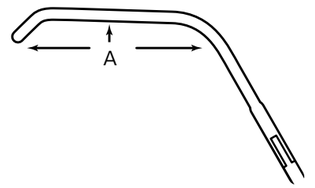
CATALOG #	DESCRIPTION
354427	Angled 60 degrees, 48 mm jaw, 4-5/8" (12 cm)

Pediatric Clamps, 2 mm Jaw

BECK MINIATURE PEDIATRIC AORTIC CLAMP



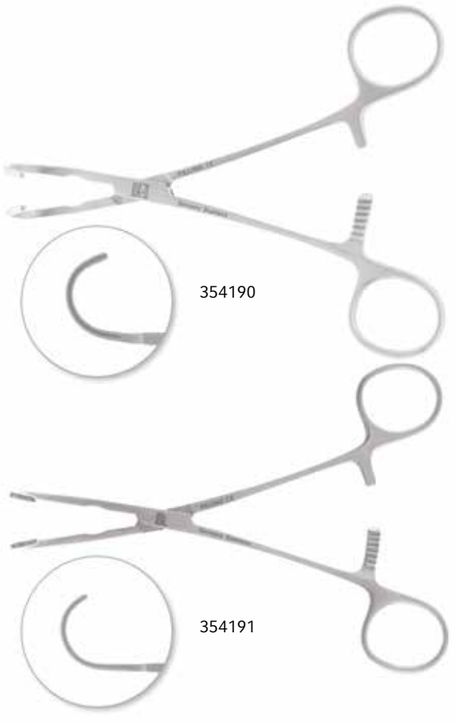
CATALOG #	DESCRIPTION
354750	Jaw length (A) 1" (2.5 cm), (A) depth 1/4" (5 cm), overall length 7" (18 cm)



VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

BECK-TYPE VESSEL CLAMPS



Small, acutely curved DeBakey-type Jaws.

CATALOG #	DESCRIPTION
354190	Small, 21 mm jaw, 6" (15 cm)
354191	Large, 32 mm jaw, 6-1/2" (16.5 cm)

VASCULAR CLAMPS

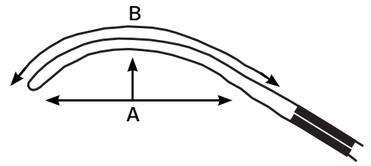
Pediatric Clamps, 2 mm Jaw

DEBAKEY-TYPE ACUTELY CURVED CLAMPS

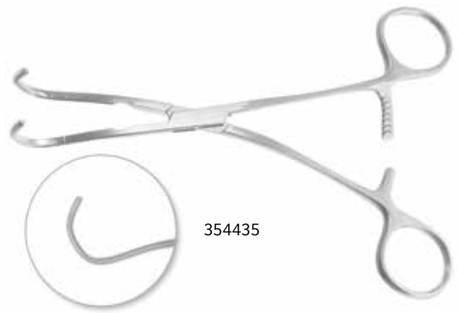


Jaws curve on 1-3/4" (4.5 cm) radius, entire length of jaws contain DeBakey-type Serrations.

CATALOG #	DESCRIPTION
354729	6-3/4" (17 cm)
354730	Jaws are larger than 354729 Length (B) 2-3/4"(7 cm) Length (A) 1-3/4" (4.5 cm) Depth (A) 3/4" (2 cm) Overall length 6-7/8" (17.5 cm)



DEBAKEY-TYPE MINIATURE ANASTOMOSIS CLAMP



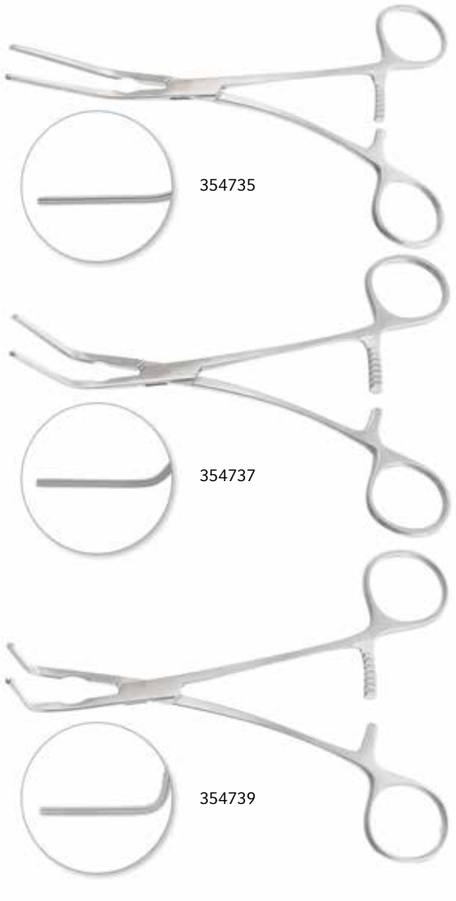
CATALOG #	DESCRIPTION
354435	Small jaw, 6-1/2" (16.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

DEBAKEY-TYPE PEDIATRIC MULTIPURPOSE CLAMPS



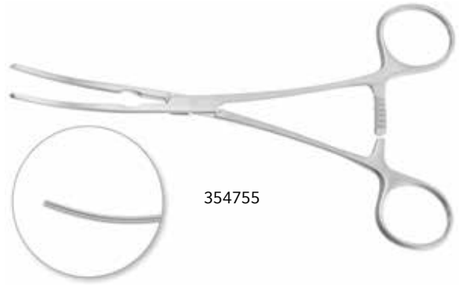
DeBakey-type Jaw, spring handle, 1 x 7 ratchets.

CATALOG #	DESCRIPTION
354735	Angled 30 degrees, jaw 3/4" (19 mm) long past angle, 6-3/4" (17 cm)
354737	Angled 60 degrees, jaw 1-1/4" (32 mm) long past angle, 6-1/4" (16 cm)
354739	Angled 90 degrees, jaw 1-1/2" (37 mm) long past angle, 6" (15 cm)

VASCULAR CLAMPS

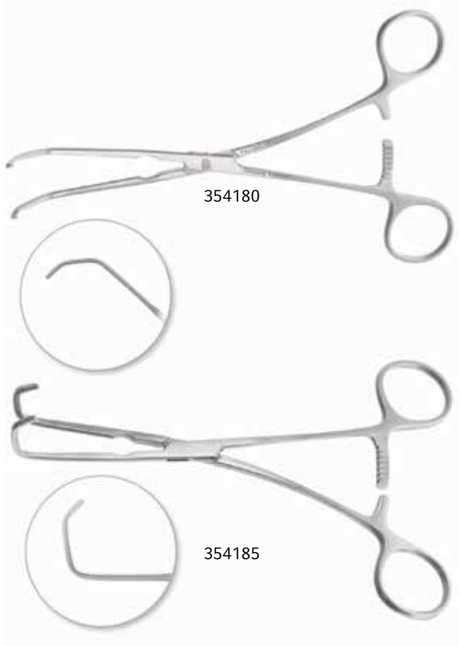
Pediatric Clamps, 2 mm Jaw

GLOVER CURVED MINIATURE PEDIATRIC CLAMP



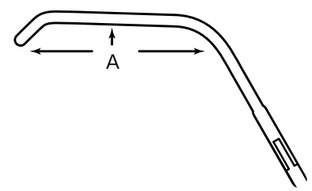
CATALOG #	DESCRIPTION
354755	Slightly curved jaws 1/2" (1.2 cm) long, 7-1/8" (18 cm)

MINIATURE SATINSKY REYNOLDS CLAMPS



Reynolds-type clamps. These miniature models of the Satinsky Clamp have DeBakey-type Jaws and are made in two jaw angles.

CATALOG #	DESCRIPTION
354180	Angled 50 degrees, small jaw, (A) length 1" (2.5 cm), (A) depth 1/4" (6 mm), 7-1/4" (18.5 cm)
354185	Angled 85 degrees, small jaw, (A) length 1-1/4" (3 cm), (A) depth 1/4" (6 mm), 6-3/4" (17 cm)

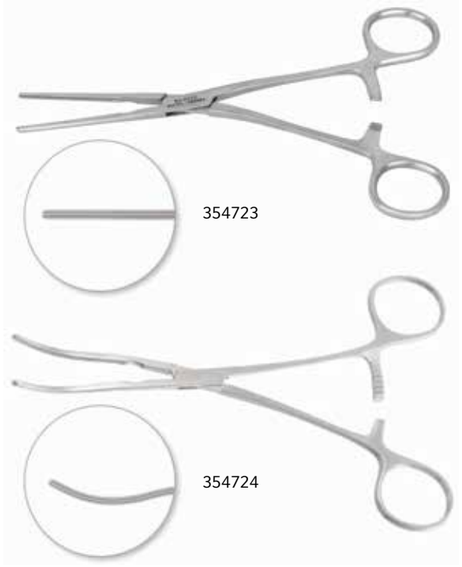


CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

PILLING® MINIATURE PEDIATRIC CLAMPS



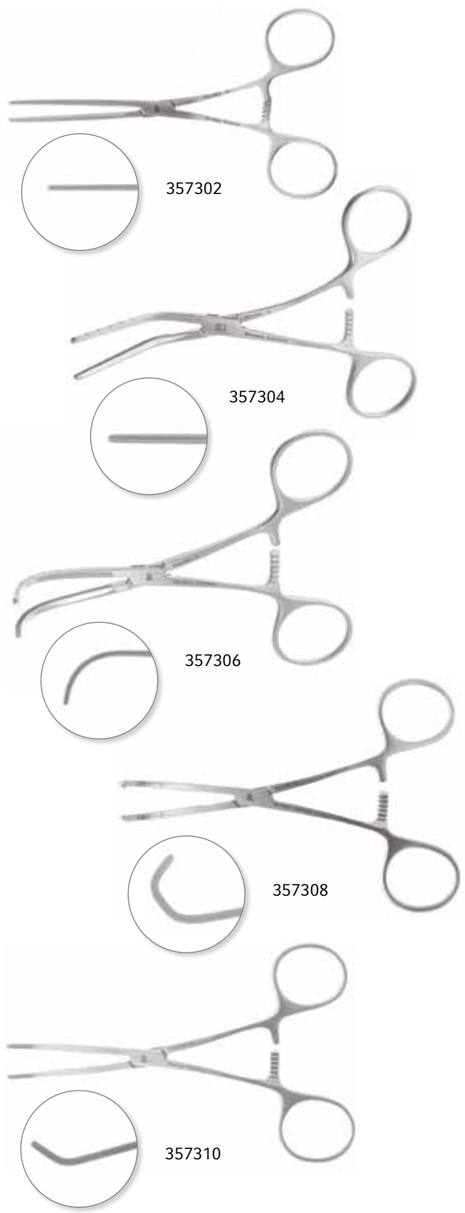
Pilling® Miniatures are all the same general size (approximately 4-1/4" (11 cm) to center of box lock) and weight. They are considerably lighter than "standard adult" instruments of the same model. The jaws are approximately 2 mm wide with medium size DeBakey-type Serration.

CATALOG #	DESCRIPTION
354720	Patent Ductus, straight, 2" (5 cm) jaws, 6-3/4" (17 cm)
354721	Patent Ductus, straight, 1-7/8" (4.5 cm) jaws, 6-3/8" (16 cm)
354722	Coarctation, straight, 2-1/2" (6 cm) jaws, 7-1/8" (18 cm)
354723	Coarctation, angled, 2-3/8" (6 cm) jaws, 7" (17.5 cm)
354724	Spoon shape, 1-3/4" (4.5 cm) jaws, 7-1/8" (18 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

COOLEY CLAMPS FOR PEDIATRIC CARDIOVASCULAR SURGERY



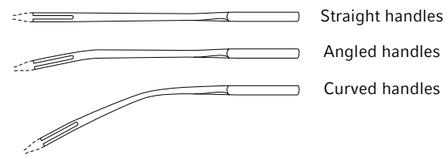
These clamps are sized for surgery in infants and small children. The ratchets permit gradual application and release of the clamps.

Cooley-type Jaws. A double row of fine atraumatic teeth are arranged in opposing rows to grasp the vessel. The teardrop shape of the jaws allows for maximum length of divided vessel for suturing.

Calibrations. Jaws are engraved at 5 mm intervals to facilitate accurate measurements. The calibration is on the outer sides of the jaws on cross clamps and on the anterior surface of partial occlusion clamps.

The Cooley Clamps are all of the same general size and weight. Tension is carefully calculated to be in proportion to jaw length, shape and intended use. Length is approximately 4-1/4" (10.8 cm) to center of box-lock. Constructed of non-glare finished stainless steel. Shafts or arms of Cooley Clamps are of three different shapes — straight, angled or curved as shown in diagram.

Jaw shapes are varied as shown and are calibrated starting from distal tip toward box-lock or from center point of jaw, proceeding in both directions.



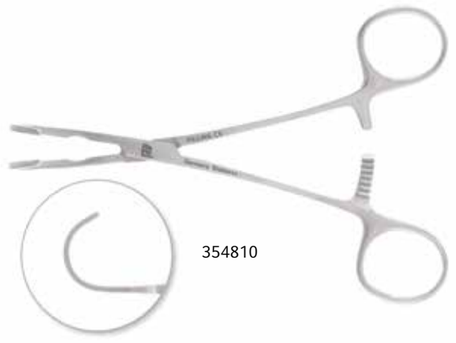
Spring handle, 1 x 6 ratchets.

CATALOG #	DESCRIPTION
357302	Straight jaw, angled shanks, 5-1/8" (13 cm)
357304	Angled jaw, curved shanks, 5" (12.5 cm)
357306	Curved 3/4" (19 mm) jaw, straight shanks, 4-5/8" (11.5 cm)
357308	Partial occlusion jaw, curved shanks, 4-5/8" (11.5 cm)
357310	Carotid jaw, curved shanks, 4-3/4" (12 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

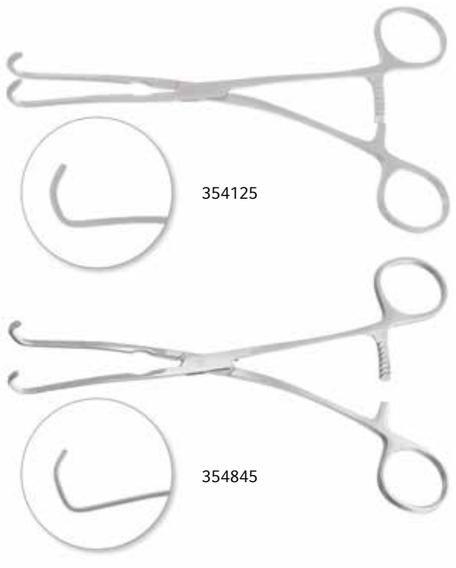
BECK-TYPE VESSEL CLAMP



Small, acutely curved jaws calibrated on anterior surface from center point outward.

CATALOG #	DESCRIPTION
354810	Straight handles, 1" (2.5 cm) jaw, 6-1/8" (15.5 cm)

COOLEY ANASTOMOSIS CLAMPS



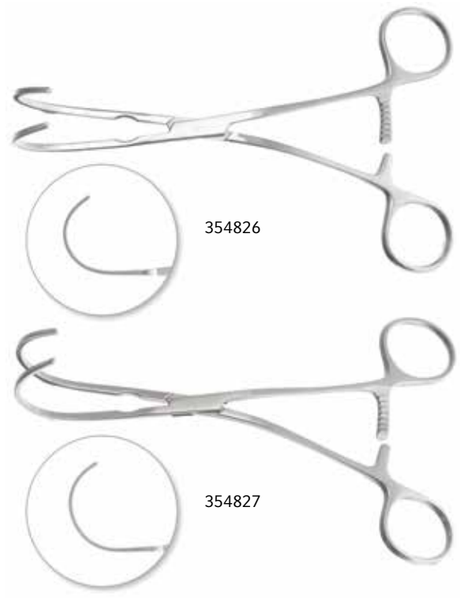
Jaws are calibrated on the anterior surface from center point outward. For partial occlusion of a major vessel (aorta, inferior vena cava, carotid artery, etc.) where total occlusion may be undesirable. Calibrations at 5 mm intervals on the jaws. Lightweight, calibrated jaws 3/4" (2 cm) with Cooley serration.

CATALOG #	DESCRIPTION
354125	Spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)
354845	1.5 mm extra-fine DeBakey-type Jaws, spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

COOLEY CLAMPS



Acutely curved clamps. Jaws calibrated on anterior surface from center point outward. Angled shafts.

CATALOG #	DESCRIPTION
354826	Medium clamp, full length Cooley jaw serrations, 1-1/2" (3.8 cm), 6-5/8" (17 cm)
354827	Large clamp, full length Cooley jaw serrations, 1-3/4" (4.5 cm), 6-3/4" (17 cm)

COOLEY CLAMPS FOR PEDIATRIC AND INFANT CARDIOVASCULAR SURGERY



Double angle jaws calibrated on anterior surface from center point outward. Angled shafts.

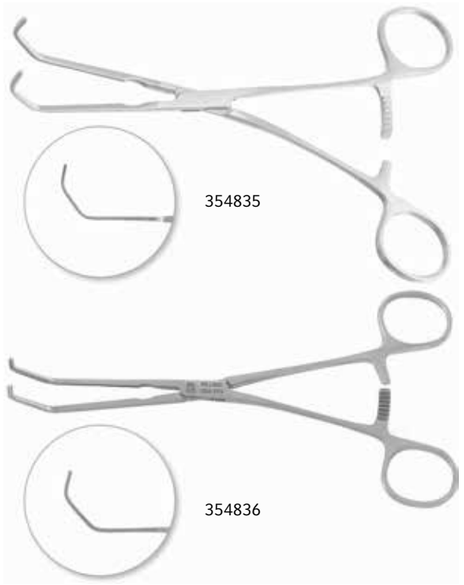
CATALOG #	DESCRIPTION
354830	Angled 90 degrees, small jaws, 6-3/4" (17 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

COOLEY PEDIATRIC CARDIOVASCULAR CLAMPS

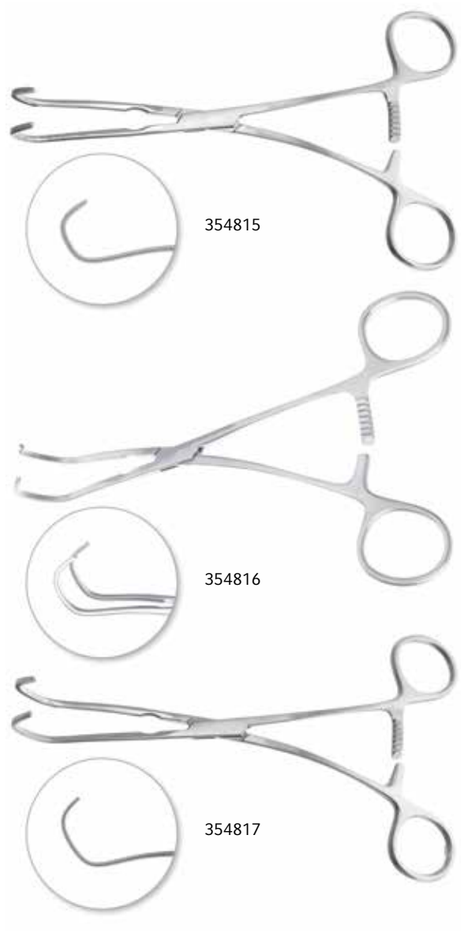


CATALOG #	DESCRIPTION
354835	Angled shafts, small, double angled 60 degree calibrated jaw, 7-1/8" (18 cm)
354836	Angled shafts, large, double angled 60 degree calibrated jaw, 7-1/8" (18 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

COOLEY PEDIATRIC DERRA CLAMPS



Slightly curved shaft, spring handle, 1 x 7 ratchets.

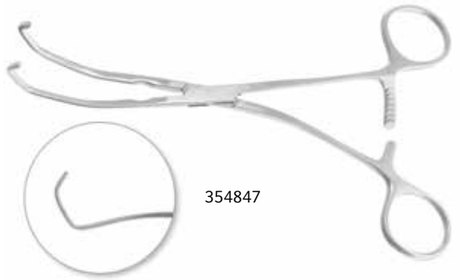
CATALOG #	DESCRIPTION
354815	Small, calibrated 3/4" (2 cm) jaw, 7" (18 cm)
354816	Medium, calibrated 1-1/8" (3 cm) jaw, 7" (18 cm)
354817	Large, calibrated 1-1/8" (3 cm) jaw, 7-1/8" (18 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

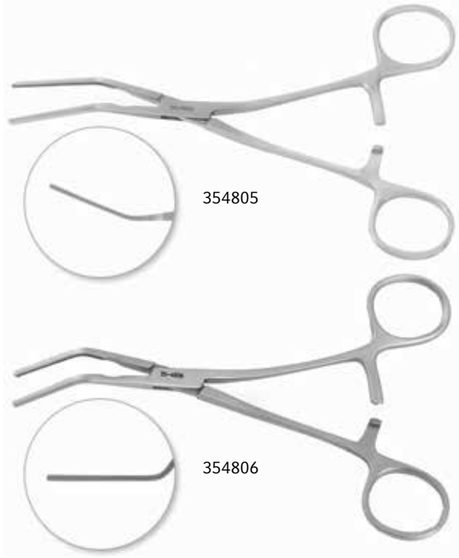
Pediatric Clamps, Cooley-Type Jaw

COOLEY PEDIATRIC MODIFIED ANASTOMOSIS CLAMP



CATALOG #	DESCRIPTION
354847	30 degree side angle, calibrated 5/8" (1.5 cm) jaw, spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)

COOLEY PEDIATRIC MULTIPURPOSE CLAMPS



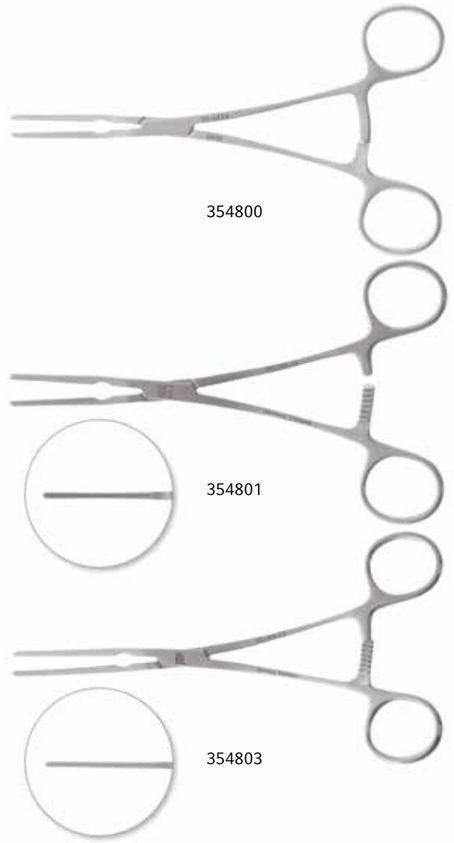
Long, angled shanks, spring handle, 1 x 7 ratchets.

CATALOG #	DESCRIPTION
354805	30 degree angled, calibrated 3/4" (2 cm) jaw, 6-3/4" (17 cm)
354806	60 degree angled, calibrated 1-1/4" (3.5 cm) jaw, 6-1/2" (16.5 cm)
354807	90 degree angled, calibrated 1-1/2" (4 cm) jaw, 5-3/4" (14.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

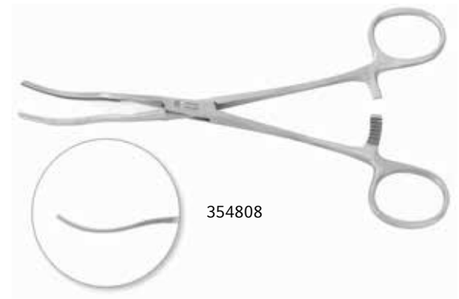
COOLEY PEDIATRIC PATENT DUCTUS CLAMPS



Spring handle, 1 x 7 ratchets.

CATALOG #	DESCRIPTION
354800	Straight, calibrated jaw, straight shanks, 6-3/4" (17 cm)
354801	Straight, calibrated jaw, angled shanks, 6-1/2" (16.5 cm)
354802	Straight, calibrated jaw, straight shanks, 7" (18 cm)
354803	Straight, calibrated jaw, angled shanks, 7" (18 cm)
354804	Curved, calibrated jaw, straight shanks, 7-1/4" (18.5 cm)

COOLEY PEDIATRIC PATENT DUCTUS CLAMPS



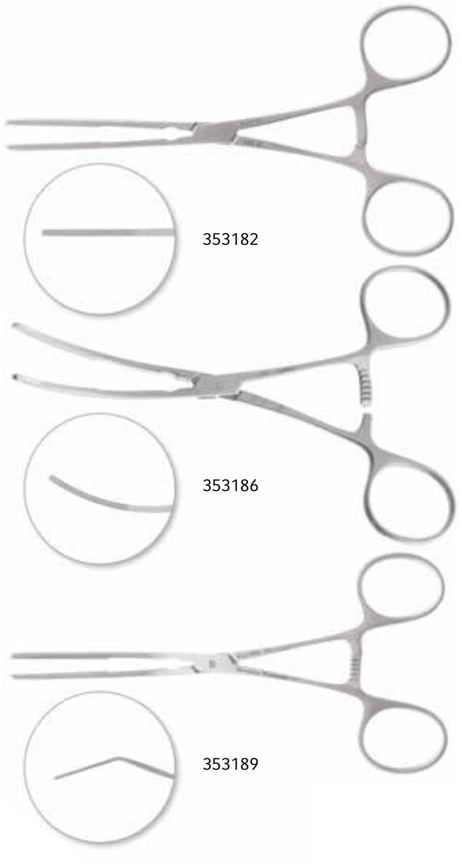
CATALOG #	DESCRIPTION
354808	Spoon-shaped, 5 mm calibrated jaws, straight handles, 7-1/8" (18 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

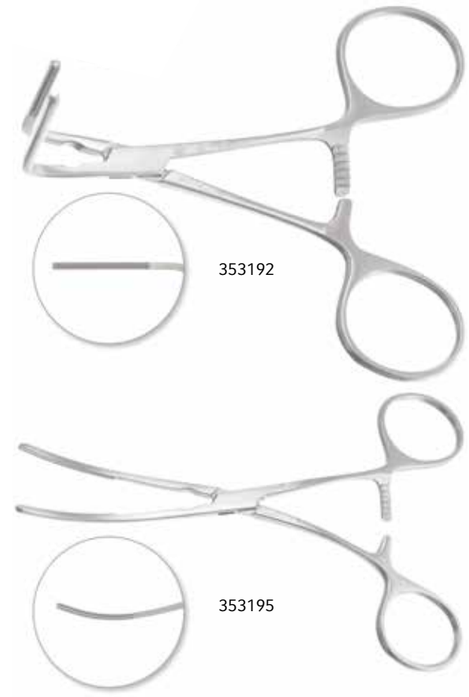
Ring Handled Bulldog™ Clamps

DEBAKEY-TYPE RING HANDLE BULLDOG™ CLAMPS



These short, sturdy clamps are intended for use in place of the longer sizes of "squeeze handle" bulldogs. They measure only 2-3/4" (7 cm) from the center point of the box lock to the end of the ring handles, averaging approximately 4-3/4" (12 cm) to 5-1/8" (13 cm) overall length depending on shape. Narrow DeBakey-type Jaws and spring handles provide firm, autramatic grip.

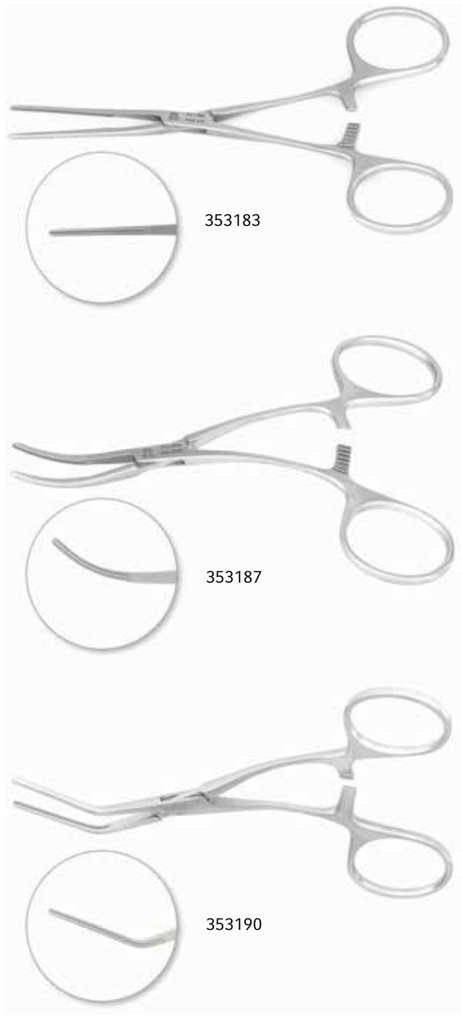
CATALOG #	DESCRIPTION
353182	Straight, 2-1/4" (5.5 cm) jaw, 5-3/8" (13.5 cm)
353186	Curved, 2-3/8" (6 cm) jaw, 5-3/8" (13.5 cm)
353189	Angled 45 degrees, jaws 1-3/16" (3 cm) past angle, curved shafts, 5-3/8" (13.5 cm)
353192	Angled 90 degrees, jaws 1-3/4" (4.5 cm) past angle, straight shafts, 4-1/8" (10.5 cm)
353195	"S"-shaped, curved, 2-1/2" (6.5 cm) jaws, long and curved shafts, 5-1/8" (13 cm)



VASCULAR CLAMPS

Ring Handled Bulldog™ Clamps

GREGORY MINIATURE VASCULAR CLAMPS



Delicate, small vessel occlusion clamps, with DeBakey-type Jaws 1.5 mm wide and LIFE-LOK® Box-Lock.

CATALOG #	DESCRIPTION
353183	Straight, extra-light, 4-3/4" (12 cm)
353187	Curved, extra-light, 4-1/8" (10.5 cm)
353190	Angled 45 degrees, extra-light, 4-3/8" (11 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Carotid Clamps

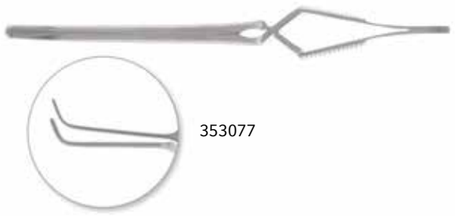
CALMAN CAROTID BULLDOG™ CLAMPS



Ring-tipped Bulldog™ Clamps designed to lay out of the way while holding the shunt in place during carotid endarterectomy. For use with Javid-style shunts.

CATALOG #	DESCRIPTION
353080	Straight, with small ring, for use on the internal carotid artery superiorly holding the shunt in place, 5 mm ring, 3-1/2" (9 cm)
353085	Angled, with large ring, for use on the common carotid artery inferiorly, 8 mm ring, 3-3/4" (9.5 cm)

GREGORY INTERNAL CAROTID "SOFT" BULLDOG™ CLAMP



CATALOG #	DESCRIPTION
353077	5/8" (15 mm) distal tip, DeBakey-type Jaw, 4-1/2" (11.5 cm)

GREGORY CAROTID ANGLED BULLDOG™ CLAMP



CATALOG #	DESCRIPTION
353078	1/2" (12 mm) distal tip, DeBakey-type Jaw, 4-1/2" (11.5 cm)

VASCULAR CLAMPS

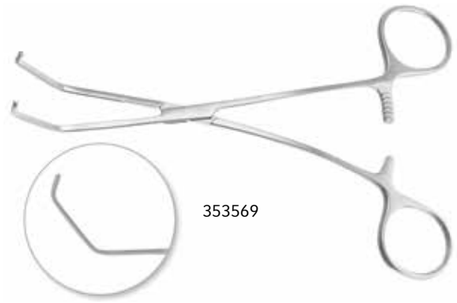
Carotid Clamps

JAVID CAROTID SHUNT CLAMPS



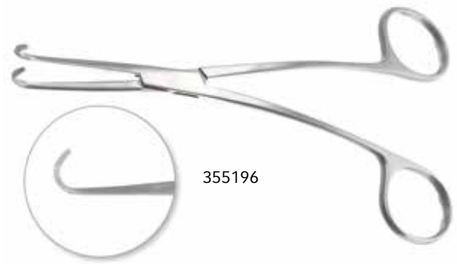
CATALOG #	DESCRIPTION
353086	Large 6.0 mm ring, 7-3/8" (18.5 cm)
353087	Small 3.5 mm ring, 6-7/8" (17.5 cm)

WYLIE CAROTID CLOSURE CLAMP



CATALOG #	DESCRIPTION
353569	DeBakey-type Jaw with 1.7 mm wide tip, 6-1/8" (15.5 cm)

WYLIE CAROTID DISSECTING CLAMP



The endarterectomy dissection plane is developed just at the level of maximum disease. Once the plane has been developed to the depth of the artery, a special sharply curved clamp is used to continue the dissection to the opposite side of the arteriotomy. The Wylie Carotid Dissecting Clamp was designed for this purpose and may be preferred to a standard right angle clamp.

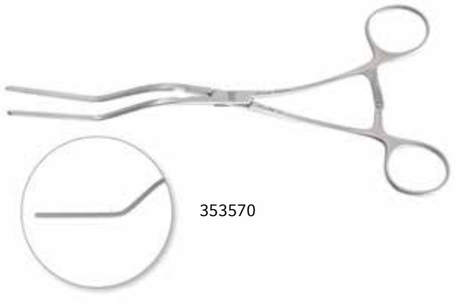
CATALOG #	DESCRIPTION
355196	5-7/8" (15 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

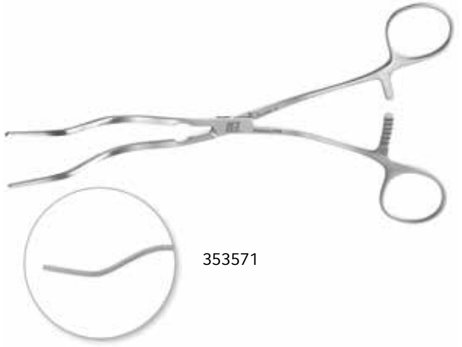
Carotid Clamps

WYLIE EXTERNAL CAROTID CLAMP



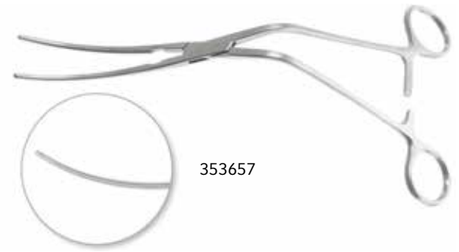
CATALOG #	DESCRIPTION
353570	DeBakey-type Jaw, spring handle, 1 x 7 ratchets, 8" (20.5 cm)

WYLIE INTERNAL CAROTID CLAMP



CATALOG #	DESCRIPTION
353571	DeBakey-type Jaw, spring handle, 1 x 7 ratchets, 8-1/4" (21 cm)

WYLIE HYPOGASTRIC CLAMP



CATALOG #	DESCRIPTION
353657	DeBakey-type Jaw, 9-5/8" (24.5 cm)

VASCULAR CLAMPS

Carotid Clamps

DOERING CAROTID END POINT MICRO RONGEUR FORCEPS

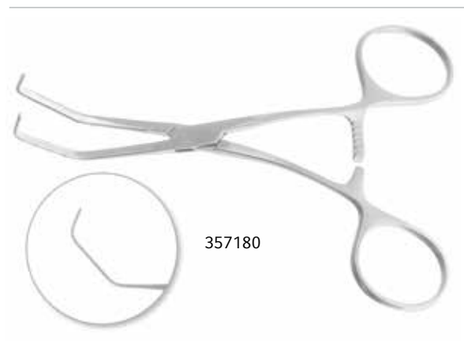


Spring handled rongeur forceps with a 2.5 mm cup to nip end point plaque during carotid endarterectomy.

CATALOG #	DESCRIPTION
355198	7-1/4" (18.5 cm)

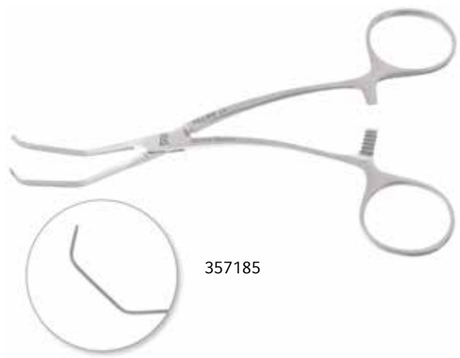
Carotid Clamps, 1 mm Jaw

CALMAN CLAMP



CATALOG #	DESCRIPTION
357180	Angled handles, jaw 1" (2.5 cm) long and 1 mm thick, spring handle, 1 x 6 ratchets, 4-1/2" (11.5 cm)

EXAMPLE CLAMP



CATALOG #	DESCRIPTION
357185	Angled handles, jaw 1" (2.5 cm) long and 1 mm thick, spring handle, 1 x 6 ratchets, 5-5/8" (14 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

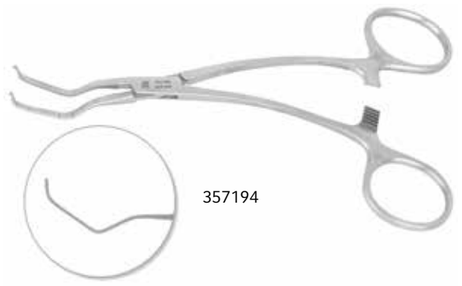
Carotid Clamps, 1 mm Jaw

KARTCHNER INTERNAL CAROTID CLAMP



CATALOG #	DESCRIPTION
357197	Slightly curved handles, long jaw, 1 mm thick, spring handles, 1 x 6 ratchets, 6-3/8" (16.5 cm)

THOMPSON CLAMP



CATALOG #	DESCRIPTION
357194	Slightly curved handles, long jaw, 1 mm thick, spring handle, 1 x 6 ratchets, 6-1/8" (15.5 cm)

VASCULAR CLAMPS

Carotid Clamps, 1.5 mm Jaw

KARTCHNER INTERNAL CAROTID CLAMP



CATALOG #	DESCRIPTION
357198	Jaw length 10 mm, 6-1/4" (16 cm)

THOMPSON CAROTID CLOSURE CLAMP



CATALOG #	DESCRIPTION
357195	Jaw length 22 mm, 5-3/4" (14.5 cm)

VASCULAR CLAMPS

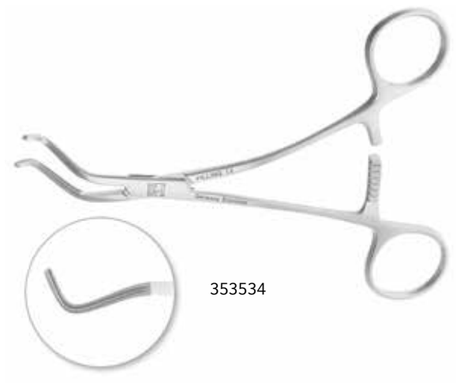
Renal Clamps

CLEVELAND CLINIC RENAL CLAMPS



To access renal arteries. Jaws angled left and right. DeBakey-type Jaws.

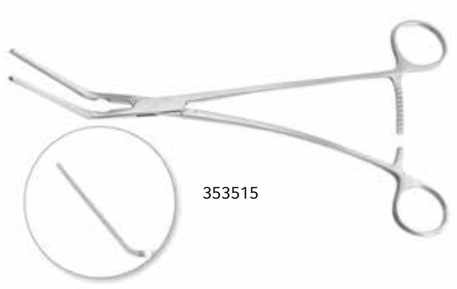
CATALOG #	DESCRIPTION
353531	Left large, 9-5/8" (24.5 cm)
353532	Right large, 9-5/8" (24.5 cm)
353533	Left baby renal clamp, extra-fine, 1.7 mm jaws, 6-1/2" (16.5 cm)
353534	Right baby renal clamp, extra-fine, 1.7 mm jaws, 6-1/2" (16.5 cm)



VASCULAR CLAMPS

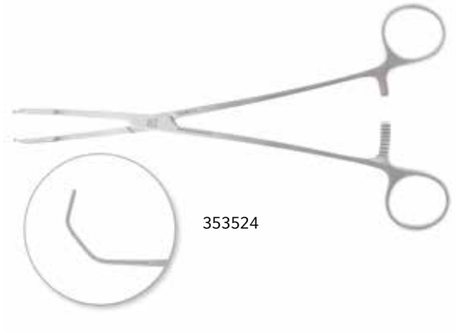
Renal Clamps

DEBAKEY-TYPE RENAL ARTERY CLAMP



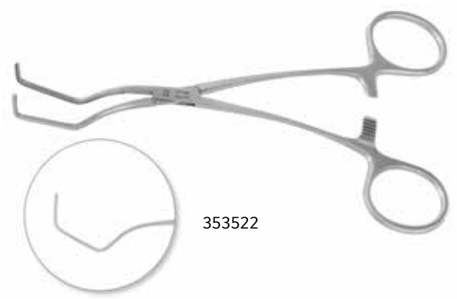
CATALOG #	DESCRIPTION
353515	DeBakey-type Jaw, long, curved spring handle, 1 x 9 ratchets, 10-1/8" (25.5 cm)

STONEY SPLENO-RENAL SHUNT CLAMP



CATALOG #	DESCRIPTION
353524	Long, extra-fine DeBakey-type Jaw, spring handle, 1 x 9 ratchets, 9-1/4" (23.5 cm)

WIRTHLIN SPLENO-RENAL SHUNT CLAMP



CATALOG #	DESCRIPTION
353522	Long, DeBakey-type Jaw, spring handle, 1 x 6 ratchets, 6-1/2" (16.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Femoral-Popliteal Clamps

DALE FEMORAL-POPLITEAL ANASTOMOSIS CLAMP

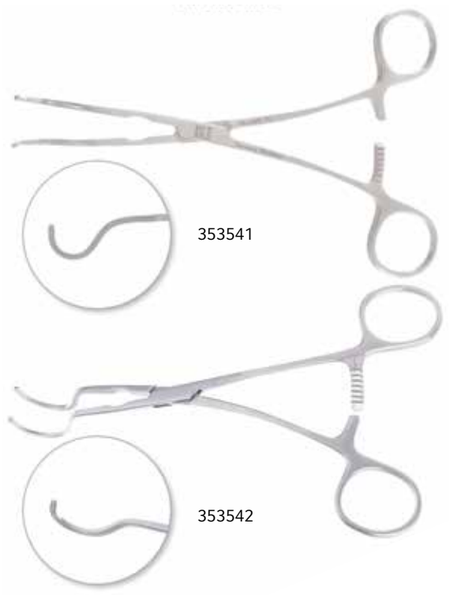


CATALOG #	DESCRIPTION
353528	DeBakey-type Jaw, spring handle, 1 x 7 ratchets, 7-3/8" (19 cm)

DALE FEMORAL-POPLITEAL CLAMPS

Spring handle, 1 x 7 ratchets.

CATALOG #	DESCRIPTION
353541	Small, 7" (17.5 cm)
353542	Medium, 7-1/8" (18 cm)
353543	Large, 7-1/4" (18.5 cm)





VASCULAR CLAMPS

Femoral-Popliteal Clamps

DEMOS TIBIAL ARTERY CLAMP

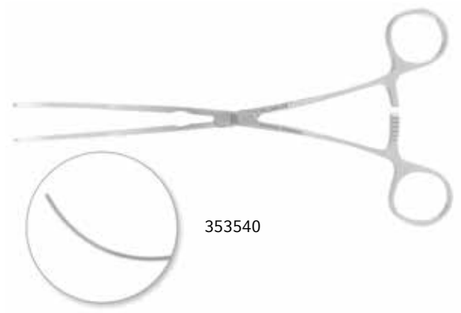


Specially angled in the plane of the handle, this clamp may reduce the tendency to twist or distort a vessel.

CATALOG #	DESCRIPTION
353568	Straight, DeBakey-type Jaw, 2-3/8" (6 cm) tip length, 2.1 mm tip width, angled shaft, 6-3/4" (17 cm)

Peripheral Vascular Clamps

DEBAKEY-TYPE "S" SHAPED PERIPHERAL VASCULAR CLAMP



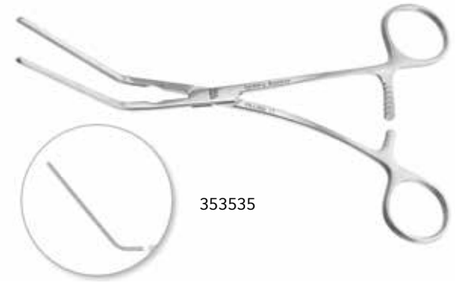
CATALOG #	DESCRIPTION
353540	Spring handles, 1 x 7 ratchets, 7-7/8" (20 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY-TYPE ANGLED PERIPHERAL VASCULAR CLAMP



CATALOG #	DESCRIPTION
353535	Long, angled DeBakey-type Jaw, spring handles, 1 x 7 ratchets, 7-1/8" (18 cm)

DEBAKEY-TYPE AORTIC EXCLUSION CLAMP



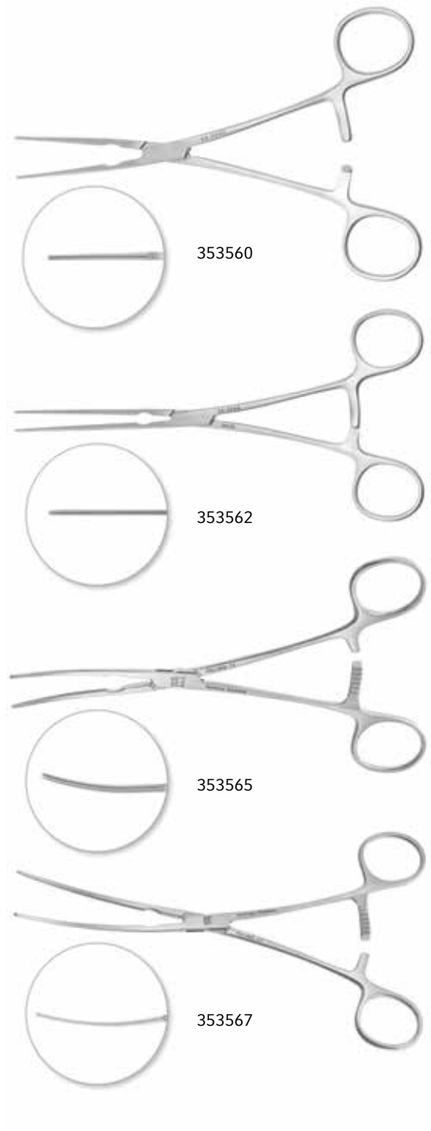
Light construction. Jaws and shafts curved to form an acute “S” shape. Spring handles.

CATALOG #	DESCRIPTION
353545	DeBakey-type Curved Jaws, 7-1/8" (18 cm)

VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY-TYPE BAINBRIDGE VASCULAR CLAMPS



Light, delicate construction throughout with narrow, DeBakey-type Jaws.

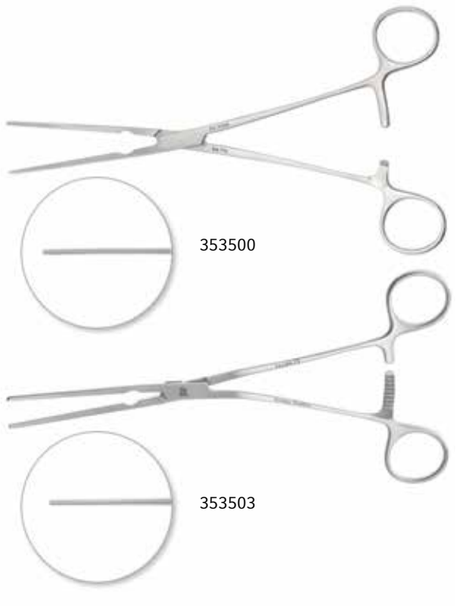
CATALOG #	DESCRIPTION
353560	Straight, 4 cm jaws, overall length 7" (18 cm)
353562	Straight, 6 cm jaws, overall length 7-7/8" (20 cm)
353565	Curved, 4 cm jaws, overall length 7" (18 cm)
353567	Curved, 6 cm jaws, overall length 7-3/4" (19.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Peripheral Vascular Clamps

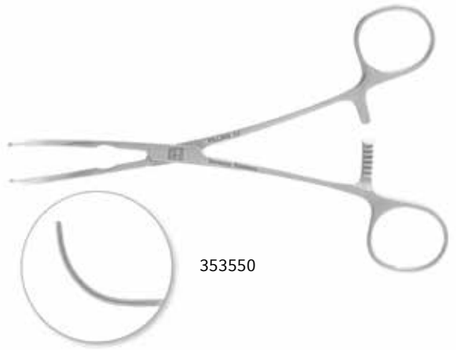
DEBAKEY-TYPE COARCTATION CLAMPS



These are multipurpose clamps, full length but lightweight, with DeBakey-type Jaws and spring handles. In addition to their use as Coarctation or Patent Ductus clamps, they are particularly useful for temporarily occluding renal arteries during cardiopulmonary by-pass. The DeBakey-type Jaws are only 2.5 mm wide. Spring handle, 1 x 9 ratchets.

CATALOG #	DESCRIPTION
353500	Long, straight, 3-1/8" (8 cm) jaw, 9" (23 cm)
353503	Long, angled, 3" (7.5 cm) jaw, 8-3/4" (22 cm)

DEBAKEY-TYPE CURVED PERIPHERAL VASCULAR CLAMP

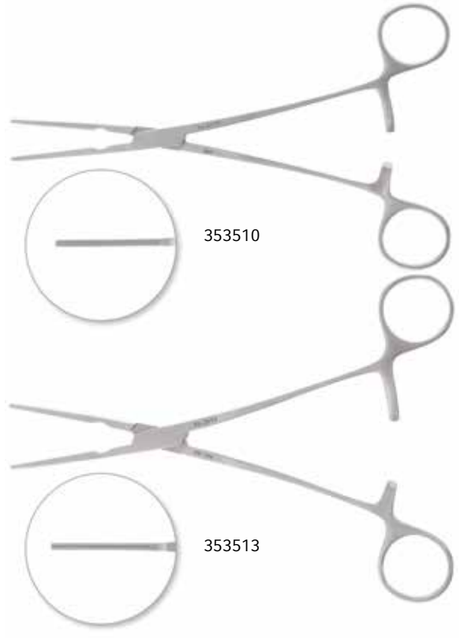


CATALOG #	DESCRIPTION
353550	Long, DeBakey-type Jaw, spring handle, 1 x 7 ratchets, 6-3/4" (17 cm)

VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY-TYPE PATENT DUCTUS CLAMPS



Long, DeBakey-type Jaw, spring handle, 1 x 9 ratchets.

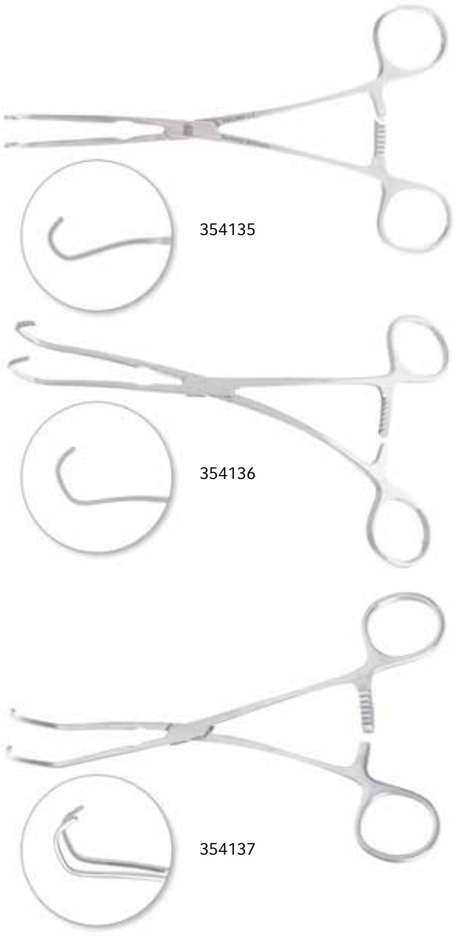
CATALOG #	DESCRIPTION
353510	Straight, 2-1/4" (5.5 cm) jaw, 8-1/4" (21 cm)
353513	Angled, 2-3/8" (6 cm) jaw, 8-1/8" (20.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Peripheral Vascular Clamps

DERRA MINIATURE ANASTOMOSIS CLAMPS



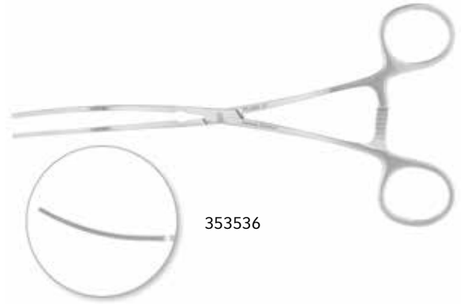
Long, DeBakey-type Jaw, spring handle, 1 x 7 ratchets.

CATALOG #	DESCRIPTION
354135	Small, 3/4" (2 cm) jaw, 6-7/8" (17.5 cm)
354136	Medium, 1-1/8" (3 cm) jaw, 7" (18 cm)
354137	Large, 1-1/4" (3 cm) jaw, 7-1/8" (18 cm)

VASCULAR CLAMPS

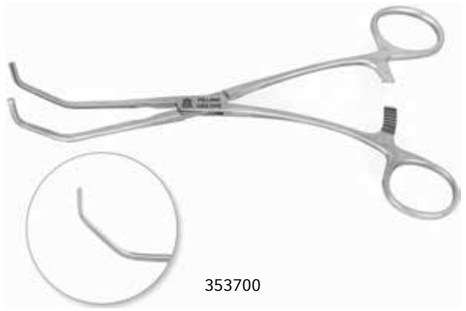
Peripheral Vascular Clamps

DIETHRICH CAVAL OCCLUSION CLAMP



CATALOG #	DESCRIPTION
353536	9-3/4" (25 cm)

DIETHRICH CORONARY ARTERY CLAMP



A delicate clamp with handles for partial occlusion in coronary artery surgery.

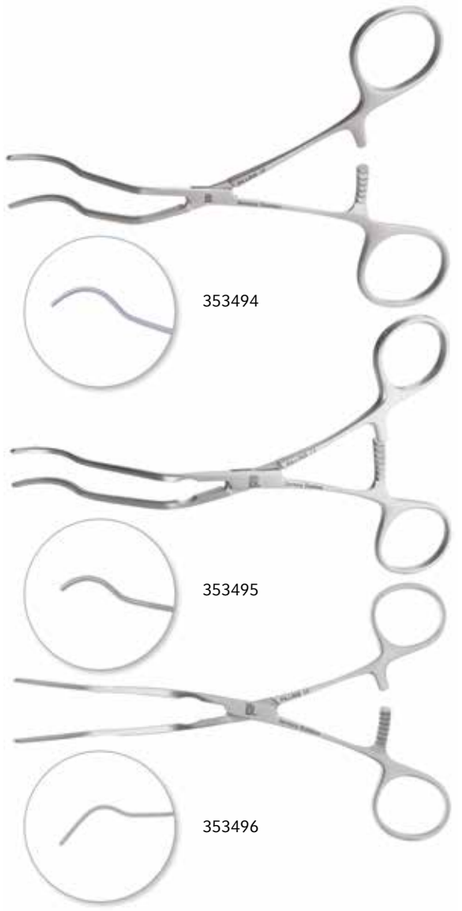
CATALOG #	DESCRIPTION
353700	Angled, DeBakey-type Jaws, 1-1/4" (3 cm), 7-1/8" (18 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Peripheral Vascular Clamps

GREGORY PROFUNDA CLAMPS



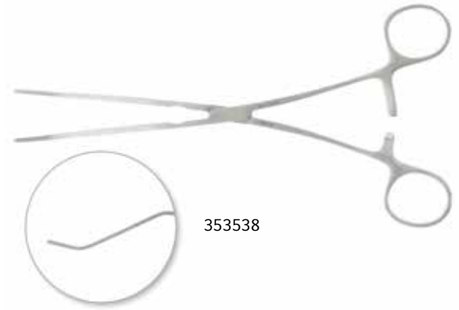
DeBakey-type Jaw, 1 x 6 ratchets.

CATALOG #	DESCRIPTION
353494	Small, 2-1/4" (6 cm) extra-fine jaw, 4-3/4" (12 cm)
353495	Medium, 3-1/4" (8.5 cm) regular jaw, 6-1/8" (15.5 cm)
353496	Large, 4" (10 cm) jaw, 7" (18 cm)

VASCULAR CLAMPS

Peripheral Vascular Clamps

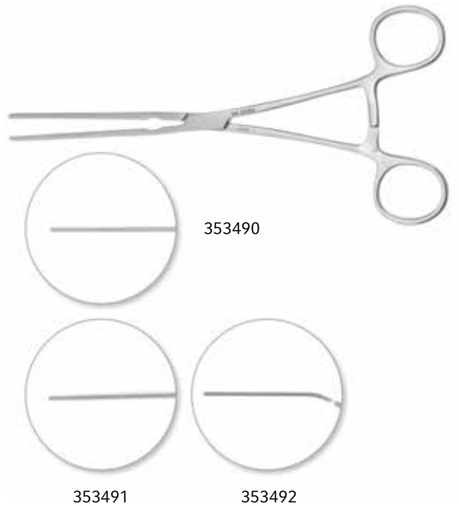
HENLY SUBCLAVIAN ARTERY CLAMP



Double angled DeBakey-type Jaws allow clamping an artery of medium size from beneath the artery, allowing an unobstructed working area anteriorly. It is useful for occlusion of the subclavian artery exposed through a supraclavicular incision or for occlusion of the femoral artery exposed through a groin incision.

CATALOG #	DESCRIPTION
353538	8-3/8" (21 cm)

LELAND JONES CLAMPS



Delicate jaws, 2.4 mm wide. DeBakey-type Serrations. LIFE-LOK® Box-Lock. Versatile clamps which have been found useful in small bowel procedures.

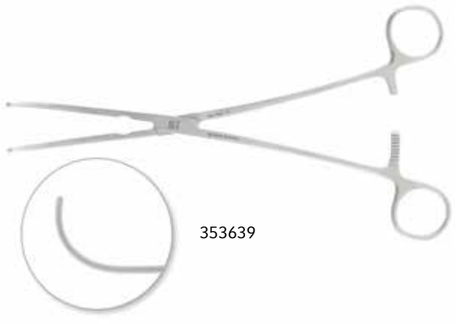
CATALOG #	DESCRIPTION
353490	Straight, 8-1/8" (20.5 cm)
353491	Angled 15 degrees, 8-1/8" (20.5 cm)
353492	Angled 30 degrees, 8" (20.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Peripheral Vascular Clamps

MITCHELL-ADAM MULTIPURPOSE CLAMP



A multi-purpose delicate vascular clamp 25 cm long with curved shanks. DeBakey-type Jaws.

CATALOG #	DESCRIPTION
353639	9-7/8" (25 cm)

Cooley Vascular Clamps

COOLEY CAROTID, SUBCLAVIAN AND RENAL CLAMP



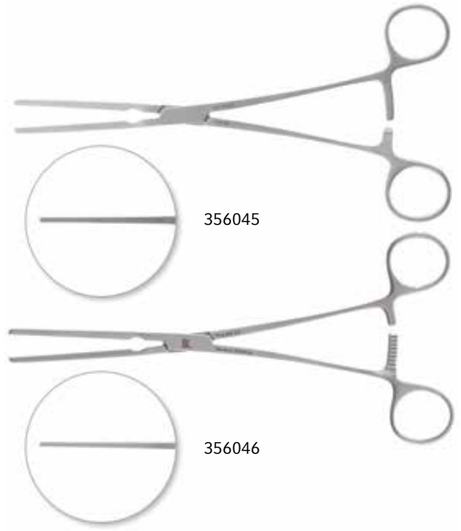
Long, slender clamp with jaws calibrated on outer sides from distal tip. Curved shafts, angled tips.

CATALOG #	DESCRIPTION
354839	Carotid, jaw length 5/8" (15 mm), 7-3/4" (19.5 cm)

VASCULAR CLAMPS

Cooley Vascular Clamps

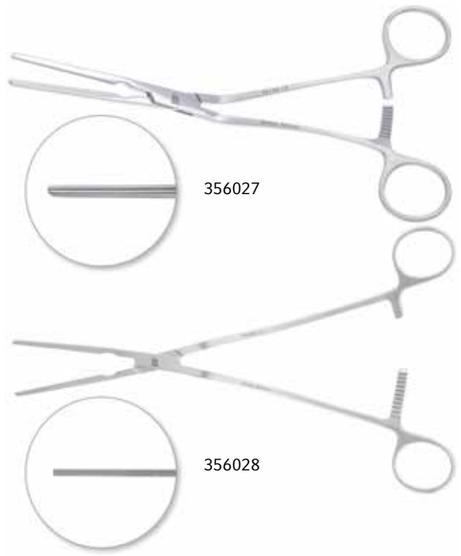
COOLEY COARCTATION CLAMPS



Standard length.

CATALOG #	DESCRIPTION
356045	Straight, jaw section 2-7/8" (7.5 cm) long, 8-3/4" (22.5 cm)
356046	Angled, jaw section 2-3/8" (6 cm) long, 8-7/8" (22.5 cm)

COOLEY ILIAC CLAMPS



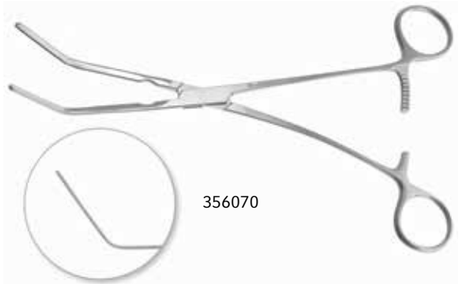
Angled jaws. Long jaws contain Cooley-type serrations only on the distal portion.

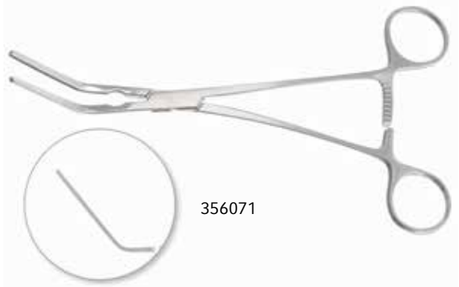
CATALOG #	DESCRIPTION
356027	Light model, 8-1/4" (21 cm)
356028	9-3/4" (25 cm)

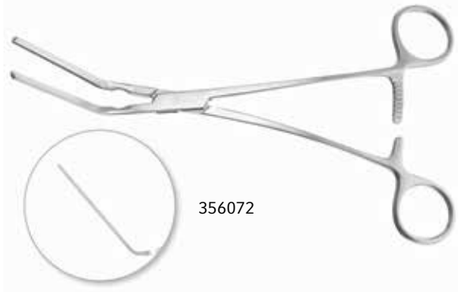
VASCULAR CLAMPS

Cooley Vascular Clamps

COOLEY JAW MULTIPURPOSE CLAMPS







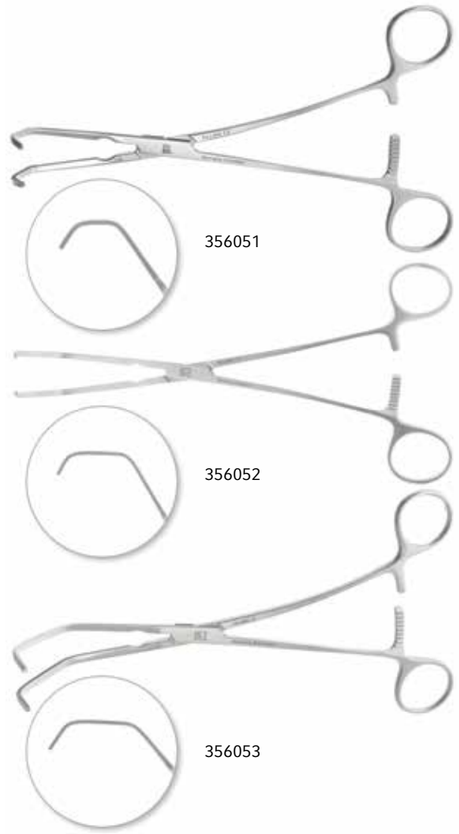
60 degree angled jaws with curved shafts.

CATALOG #	DESCRIPTION
356070	No. 1, jaw length 1-1/2" (4 cm), 9-1/8" (23 cm)
356071	No. 2, jaw length 2-1/8" (5.5 cm), 8-1/2" (21.5 cm)
356072	No. 3, jaw length 2-1/2" (6.5 cm), 8-1/2" (21.5 cm)

VASCULAR CLAMPS

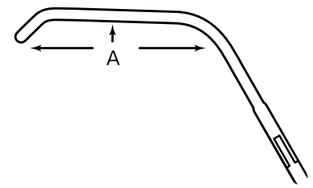
Cooley Vascular Clamps

COOLEY PARTIAL-OCCLUSION CLAMPS



Full adult size with Cooley 2 x 2 jaws, varying in length and jaw size. All have long distal sections adding to their value as partial tangential occlusion clamps.

CATALOG #	DESCRIPTION
356051	No. 1, (A) length 1" (2.5 cm), overall 8-1/8" (20.5 cm)
356052	No. 2, (A) length 1-1/2" (4 cm), overall 8-7/8" (22.5 cm)
356053	No. 3, (A) length 1-7/8" (5 cm), overall 8-7/8" (22.5 cm)

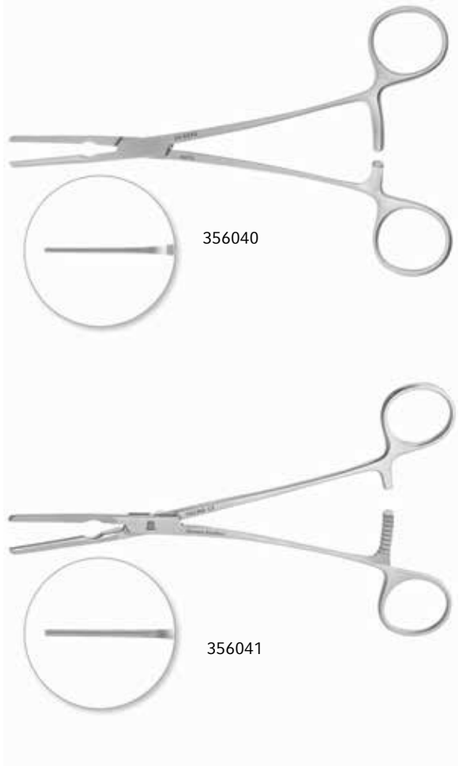


CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Cooley Vascular Clamps

COOLEY PATENT-DUCTUS CLAMPS

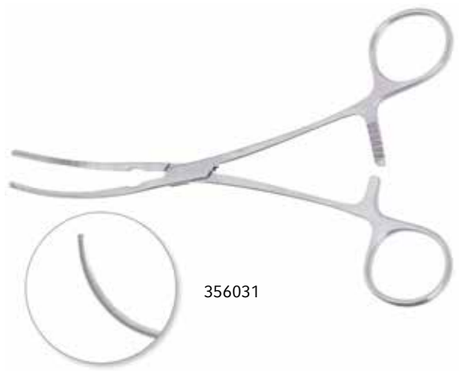


CATALOG #	DESCRIPTION
356040	Straight, 8" (20.5 cm)
356041	Angled, 7-7/8" (20 cm)

VASCULAR CLAMPS

Cooley Vascular Clamps

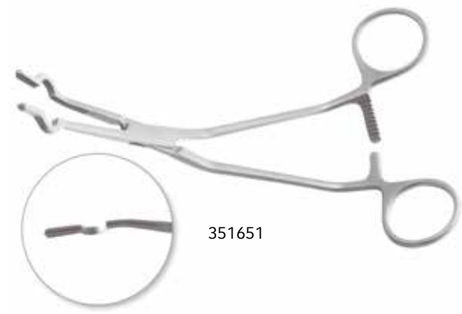
COOLEY PERIPHERAL VASCULAR CLAMPS



Useful for temporarily occluding the femoral, popliteal, subclavian and carotid arteries during performance of thromboendarterectomy or application of by-pass procedures. Lightweight Cooley Jaws.

CATALOG #	DESCRIPTION
356025	Angled, 7-1/2" (19 cm)
356031	Curved, 6-3/4" (17 cm)

COOLEY VENA CAVA CLAMPS



Occludes the vena cava and allows bloodflow through the cannula or catheter.

CATALOG #	DESCRIPTION
351645	Child size, 24 Fr. Ring tip width, 6-1/8" (15.5 cm)
351646	Child size, 26 Fr. Ring tip width, 7-1/4" (18.5 cm)
351650	Adult size, 28 Fr. Ring tip width, 7-1/4" (18.5 cm)
351651	Adult size, 30 Fr. Ring tip width, 7-1/4" (18.5 cm)
351652	Adult size, 32 Fr. Ring tip width, 7-1/4" (18.5 cm)
351654	Adult size, 34 Fr. Ring tip width, 7-1/4" (18.5 cm)
351653	Adult size, 36 Fr. Ring tip width, 7-1/4" (18.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

AORTIC VASCULAR CLAMPS



Many Pilling® Vascular Clamps feature the DeBakey–type Non-Traumatic Jaws and LIFE-LOK® Box-Lock.

Ratchets on Pilling® Vascular Clamps provide the precision control needed for arterial clamping. Ratchets are designed with steps (1 x 7, 1 x 9, 1 x 11) to furnish the specific amounts of desired pressure. Jaws are precision-set by hand.

Coordination of ratchet length and jaw setting provides the accurate amount of required compression.

Many styles of DeBakey–type Clamps are available with spring handles. With this construction feature, a portion of the shaft is flattened or otherwise altered and specially tempered to eliminate rigidity and provide a softness proportionate with the overall size and purpose of the instrument. The intention is to minimize trauma to vessels with the soft spring handles but hold securely with DeBakey–type Jaws.

HISTORY AND ACHIEVEMENTS

Since 1814, Pilling has designed and manufactured high quality surgical instruments. As one of the oldest surgical instrument companies in the world, we have continued our tradition of craftsmanship and innovation.

THE PILLING® BRAND ADVANTAGE

Every cardiovascular instrument that we produce is set and checked by hand, then checked again to assure that it has the essential "feel" that is desired by surgeons. The Pilling® Brand has gained international acclaim for providing exceptional surgical tools. Working closely with the world's top specialists, we continue to customize instrumentation to meet their exacting individual requirements.

VASCULAR CLAMPS

Aortic Vascular Clamps

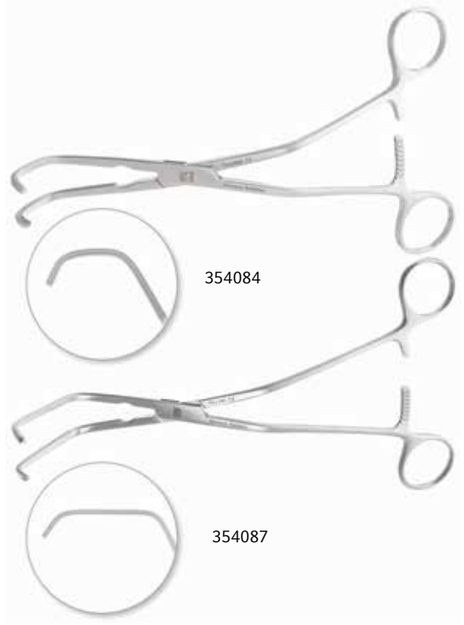
BAHNSON AORTA CLAMP



To occlude the aorta during a median sternotomy in the adult. Angle of handle puts it out of the way.

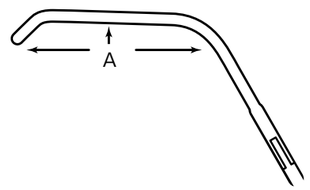
CATALOG #	DESCRIPTION
353623	Curved, DeBakey-type Jaw, 2-3/4" (7 cm), 9" (23 cm)

BAILEY AORTA CLAMPS



For exclusion of a portion of the vessel, these clamps are medium-weight and have DeBakey-type Jaws.

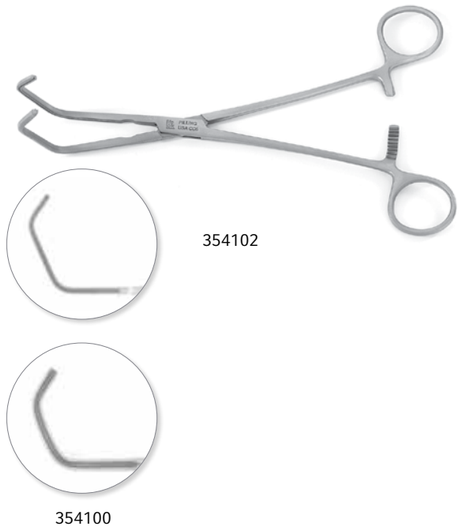
CATALOG #	DESCRIPTION
354084	Angled shafts, extra-small size jaw, (A) length 1-1/8" (3 cm), 8" (20.5 cm)
354087	Angled shafts, large size jaw, (A) length 2-1/8" (5.5 cm), 9-3/4" (25 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

BECK-TYPE AORTA CLAMPS

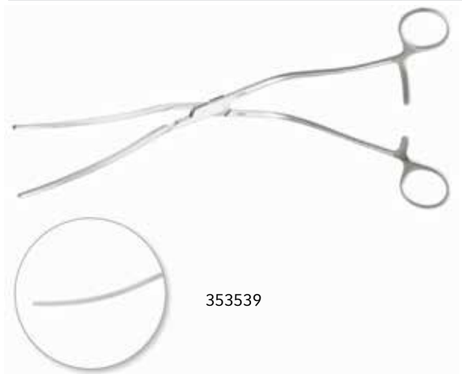


DeBakey-type Jaws, acutely angled at approximately 65 degrees. Straight shafts.

CATALOG #	DESCRIPTION
354100	Angled, DeBakey-type Jaw, 1-1/4" (3 cm) tip length (A), 8-1/8" (20.5 cm)
354102	Angled, DeBakey-type Jaw, 2" (5 cm) tip length (A), 8-5/8" (22 cm)



CHERRY SUPRACELIAC CLAMP



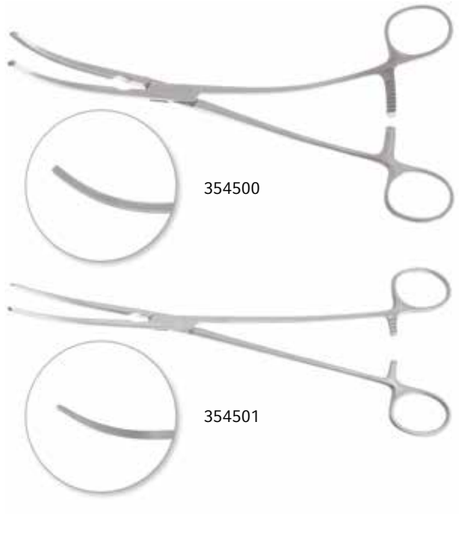
Used in thoracic and abdominal aortic aneurysm repairs, renal vascular procedures, mesenteric artery revascularization. Deep access to aorta superior to the celiac artery. Jaw length and curve combine with angled handle to provide optimum cross clamping capability and reduced operative field obstruction.

CATALOG #	DESCRIPTION
353539	Curved, 2 x 3 DeBakey-type Jaw, 50 degree handle, LIFE-LOK® Box-Lock, 12-1/4" (31 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

CRAFOORD COARCTATION VASCULAR CLAMPS



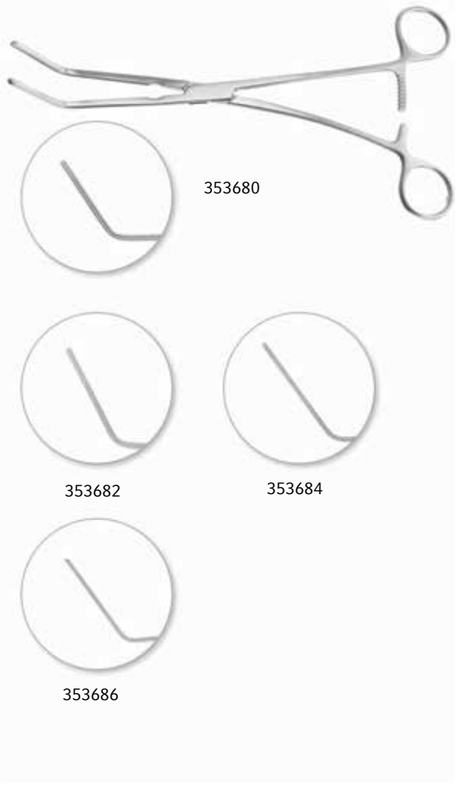
CATALOG #	DESCRIPTION
354500	Slightly curved, 3-3/8" (8.5 cm) DeBakey-type Jaw, 1 x 9 ratchets, 9-5/8" (24.5 cm)
354501	Slightly curved, with original, longitudinal jaws, 9-5/8" (24.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

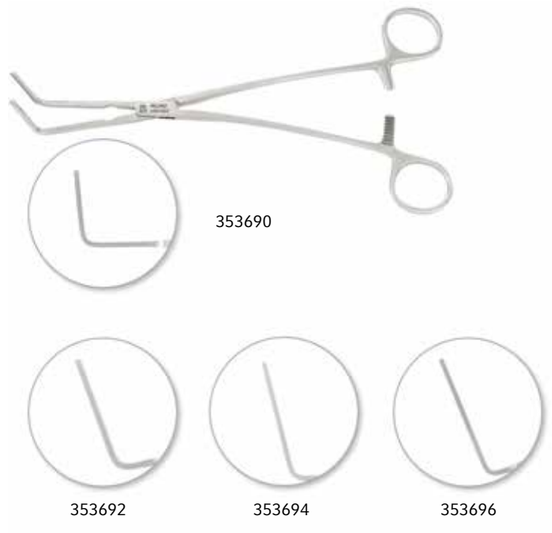
Aortic Vascular Clamps

DEBAKEY-TYPE MULTI-PURPOSE ANGLED CLAMPS



This assortment of matched design DeBakey-type Clamps has been assembled based on standard pattern clamps. They are of various lengths with curved shafts. The DeBakey-type Jaws are angulated at 60 or 90 degrees. In addition to their function as aortic clamps, they are available for use as bronchus and gastric clamps in general surgery.

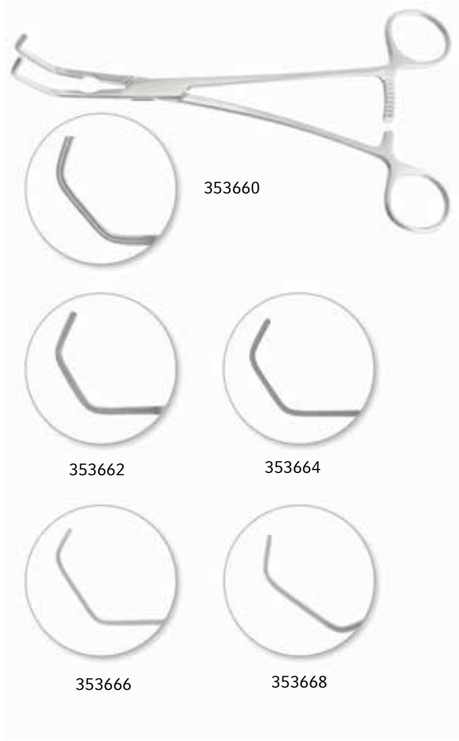
CATALOG #	DESCRIPTION
353680	No. 1, 60 degree angle, 1 x 9 ratchets, 9-1/2" (24 cm)
353682	No. 2, 60 degree angle, 1 x 9 ratchets, 8-5/8" (22 cm)
353684	No. 3, 60 degree angle, 1 x 9 ratchets, 9-7/8" (25 cm)
353686	No. 4, 60 degree angle, 1 x 11 ratchets, 11-5/8" (29.5 cm)
353690	No. 1, 90 degree angle, 9-1/2" (24 cm)
353692	No. 2, 90 degree angle, 7-1/4" (18.5 cm)
353694	No. 3, 90 degree angle, 9" (23 cm)
353696	No. 4, 90 degree angle, 10-1/4" (26 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

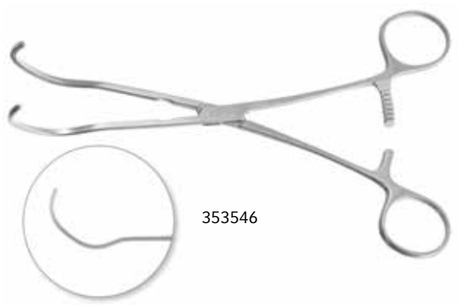
DEBAKEY-TYPE TANGENTIAL OCCLUSION CLAMPS



Since most of the double angle clamps now available are considered too shallow in the jaw section due to short distal tip section, this deep-jaw selection of DeBakey-type Clamps was designed. The set consists of five instruments varying in length and jaw size. All have long distal sections, adding to their value as partial tangential occlusion clamps. Non-glare finished stainless steel.

CATALOG #	DESCRIPTION
353660	No. 1, 1-3/8" (3.5 cm) jaw, 1 x 9 ratchets, 7-3/4" (19.5 cm)
353662	No. 2, 1-7/8" (5 cm) jaw, 1 x 11 ratchets, 10" (25.5 cm)
353664	No. 3, 2" (5 cm) jaw, 1 x 11 ratchets, 10-3/8" (26.5 cm)
353666	No. 4, 2-3/8" (6 cm) jaw, 1 x 11 ratchets, 10" (25.5 cm)
353668	No. 5, 3-1/8" (8 cm) jaw, 1 x 11 ratchets, 10-1/8" (25.5 cm)
353670	Complete set of 5 clamps

FAVALORO PROXIMAL ANASTOMOSIS CLAMP



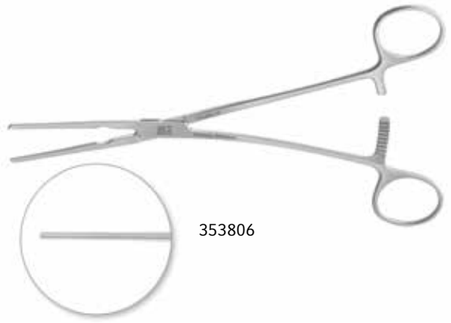
CATALOG #	DESCRIPTION
353546	Curved, 1-1/4" (3.5 cm) DeBakey-type Jaws, 8" (20 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Aortic Vascular Clamps

GERBODE PATENT DUCTUS CLAMP



The Glover Patent Ductus Clamps on pg. 638 have been redesigned with extra-narrow 1" (2.5 cm) DeBakey-type Jaws to provide for maximum length of cut vessel for more convenient suturing.

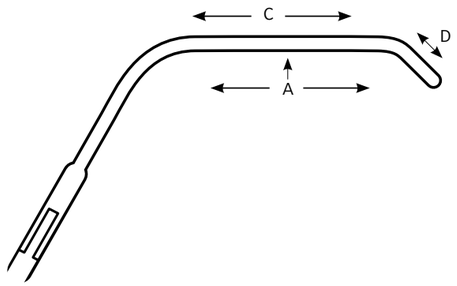
CATALOG #	DESCRIPTION
353806	Angled, 8" (20.5 cm)

GLOVER ATRIAL APPENDAGE CLAMP



Atraumatic DeBakey-type Jaws. For holding the atrial appendage at any level.

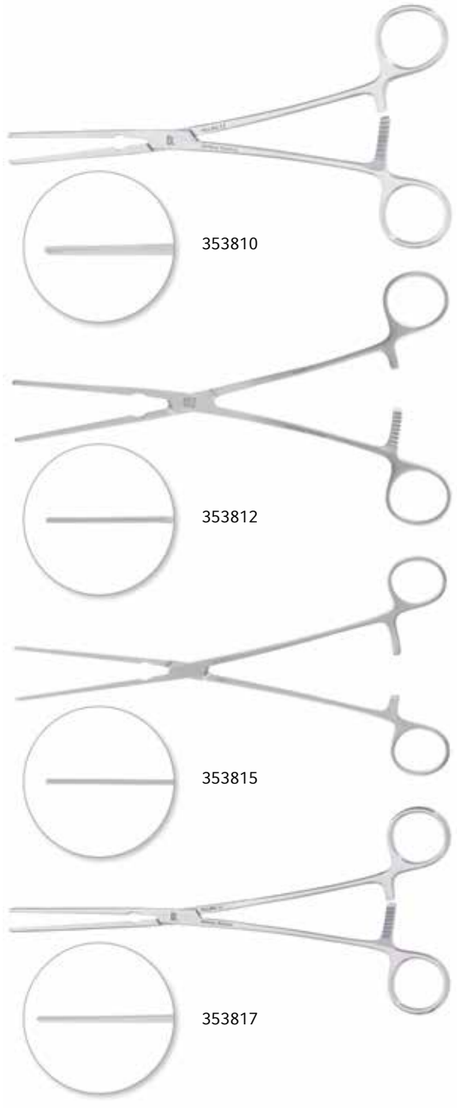
CATALOG #	DESCRIPTION
354170	Jaw (A) length 1-11/16" (43 mm), (A) depth 1/4" (7 mm), (C) 1-1/8" (30 mm), (D) 1/2" (13 mm), 9-1/2" (24 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

GLOVER COARCTATION CLAMPS



DeBakey-type Jaw, 1 x 9 ratchets.

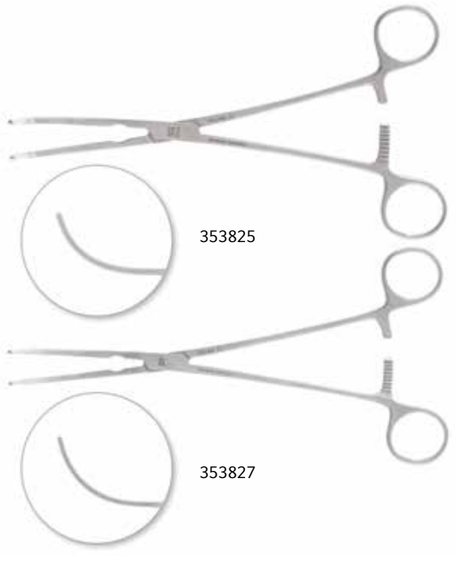
CATALOG #	DESCRIPTION
353810	Straight, 3-1/8" (8 cm) jaw, 9" (23 cm)
353812	Angled, 3-1/8" (8 cm) jaw, 8-7/8" (22.5 cm)
353815	Extra-long, straight, 3-3/4" (9.5 cm) jaw, 10-5/8" (27 cm)
353817	Extra-long, angled, 3-5/8" (9 cm) tip length, 10-3/8" (26.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Aortic Vascular Clamps

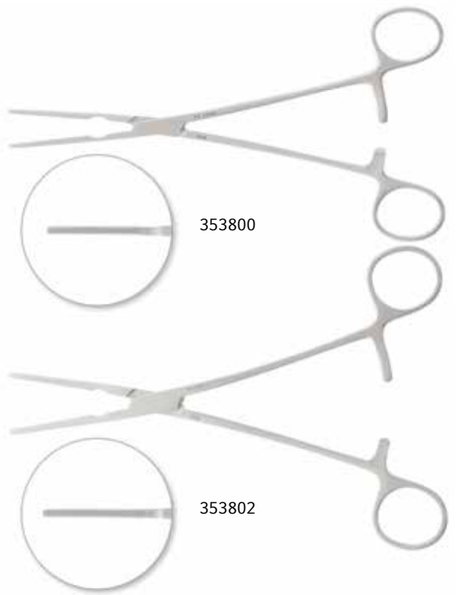
GLOVER CURVED CLAMPS



Curved DeBakey-type Jaws.

CATALOG #	DESCRIPTION
353825	Standard size, 1-1/4" (3 cm) jaw, 8-1/2" (21.5 cm)
353827	Extra-long, 1-3/4" (4.5 cm) jaw, 9-7/8" (25 cm)

GLOVER PATENT DUCTUS CLAMPS



DeBakey-type Jaws, 1 x 9 ratchets.

CATALOG #	DESCRIPTION
353800	Straight, 2-1/4" (5.8 cm) jaw, 8-1/8" (20.5 cm)
353802	Angled, 3/4" (1.9 cm) jaw, 8-1/4" (21 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

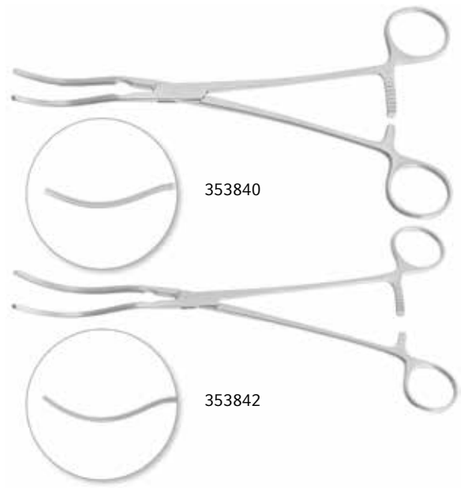
GLOVER RIGHT ANGLE CURVED CLAMPS



Curved DeBakey-type Jaws.

CATALOG #	DESCRIPTION
353835	1-7/8" (4.8 cm) jaw, 7-5/8" (19.5 cm)
353837	2-3/8" (6 cm) jaw, 8-7/8" (22.5 cm)

GLOVER SPOON SHAPED CLAMPS



Curved DeBakey-type Jaws.

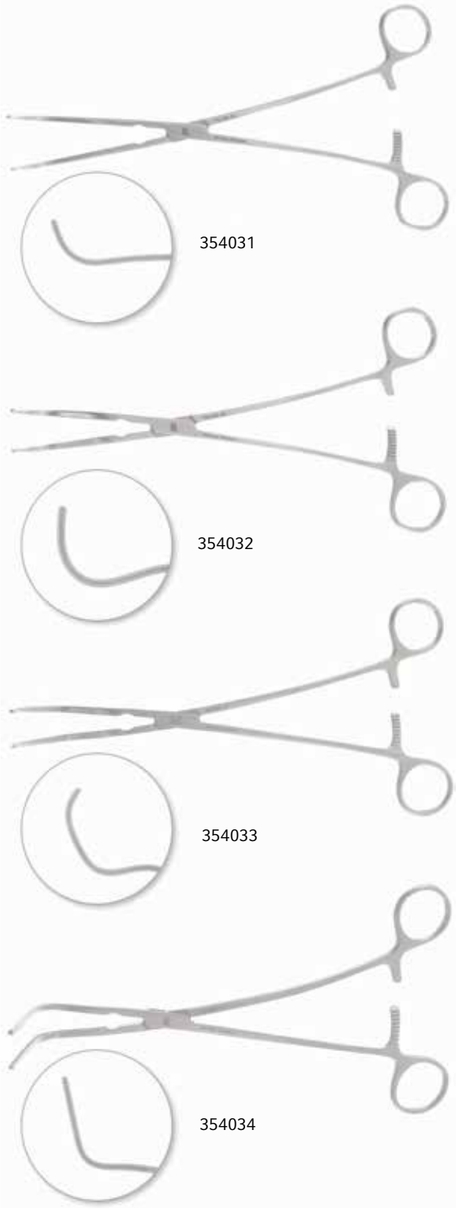
CATALOG #	DESCRIPTION
353840	Standard size, 2-3/4" (7 cm) jaw, 8-5/8" (22 cm)
353842	Extra-long, 3-7/8" (10 cm) jaw, 10-1/2" (27 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Aortic Vascular Clamps

HARKEN CLAMPS



A matched set of four clamps identical in length and weight but with varying DeBakey-type Jaw shapes.

CATALOG #	DESCRIPTION
354031	No. 1 curve, 10-1/2" (26.5 cm)
354032	No. 2 curve, 10-1/8" (25.5 cm)
354033	No. 3 curve, 10" (25.5 cm)
354034	No. 4 curve, 9-5/8" (24.5 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

HUFNAGEL AORTA CLAMPS



For the ascending aorta. Used to occlude the thoracic aorta in operations on the aortic root and the aortic valve. The curvature of the clamp allows it to be used with the midline sternotomy and to rest out of the operative field. DeBakey-type Jaws.

CATALOG #	DESCRIPTION
353620	Curved, 3-1/8" (8 cm) jaws, 9-5/8" (24.5 cm)
353622	Straight, 3-1/8" (8 cm) jaws, 9-5/8" (24.5 cm)

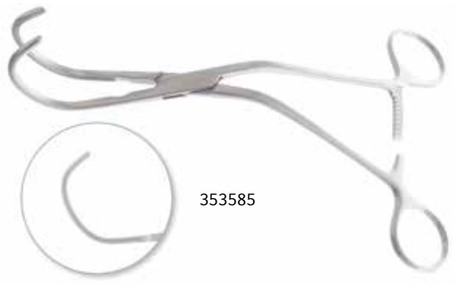
CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

AORTIC VASCULAR CLAMPS

Kay and Lambert-Kay Anastomosis Clamps

Three side-biting clamps primarily used for ascending aorta to be used in lateral anastomosis in saphenous vein coronary artery by-pass procedures. Clamps may also be applied for partial exclusion of other segments of aorta, large and small bowel. DeBakey-type Jaws, 1 x 9 ratchets.

KAY-LAMBERT AORTIC ANASTOMOSIS CLAMP



353585

CATALOG #	DESCRIPTION
353585	1-3/4" (4.5 cm) jaw, 8-1/8" (20.5 cm)

LAMBERT-KAY AORTIC ANASTOMOSIS CLAMP



353586

CATALOG #	DESCRIPTION
353586	Large, 2" (5 cm) tip length, 8-1/8" (20.5 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

KAY AORTIC ANASTOMOSIS CLAMP



353580

CATALOG #	DESCRIPTION
353580	1-1/2" (4 cm) jaw, 7-5/8" (19.5 cm)

LEMOLE-STRONG AORTA CLAMPS

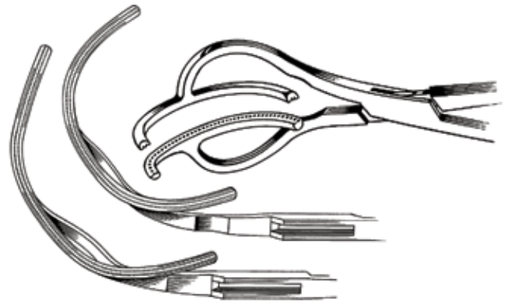


353582

353584

DeBakey-type Jaw, 1 x 9 ratchets.

CATALOG #	DESCRIPTION
353582	Straight shanks, 7-7/8" (20 cm)
353584	Angled shanks, 8" (20.5 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

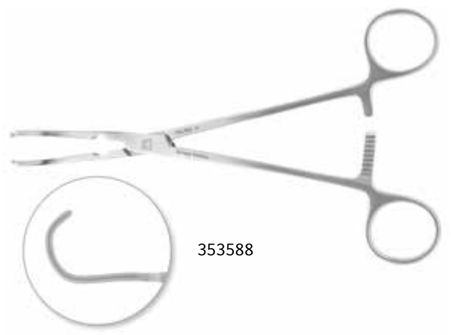
STRONG AORTA CLAMPS



Unique design provides uniform pressure across entire jaw surface. 1 x 9 ratchets.

CATALOG #	DESCRIPTION
353581	Straight shanks, 8" (20 cm)
353583	Angled shanks, 8-1/8" (20.5 cm)

MITCHELL AORTOTOMY CLAMP

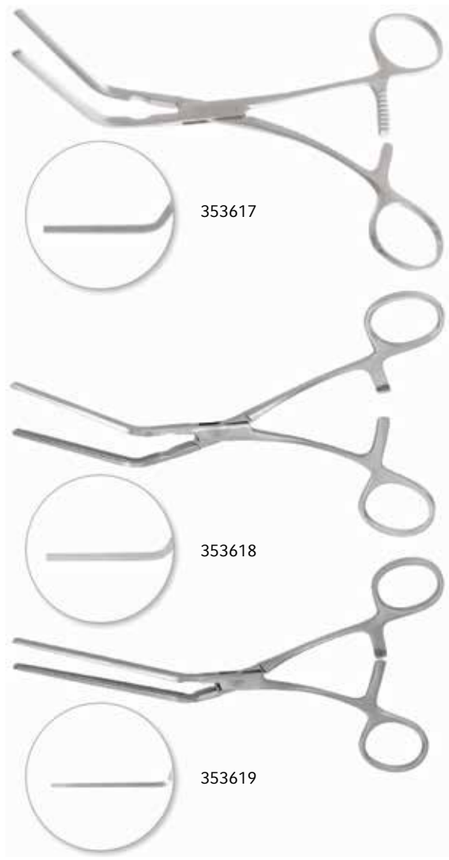


CATALOG #	DESCRIPTION
353588	DeBakey-type Jaws, 1 x 9 ratchets, 8" (20.5 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

MORRIS ASCENDING AORTA CLAMPS



2 x 3 DeBakey-type Jaws.

CATALOG #	DESCRIPTION
353617	Jaws 2-1/2" (6.5 cm) from angle, 8-1/8" (20.5 cm)
353618	Jaws 2-1/2" (6.5 cm) from angle, 9-1/2" (24 cm)
353619	Jaws 3-3/4" (9.5 cm) from angle, 9-1/2" (24 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

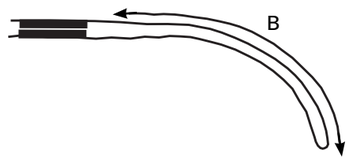
Aortic Vascular Clamps

O'NEILL DOUBLE CURVED CLAMP



This multipurpose instrument is a modification of the DeBakey-type Satinsky. The jaw angles have been replaced by curves. Useful as a vena cava clamp and atrial appendage clamp, also for cross clamping or partially occluding vessels.

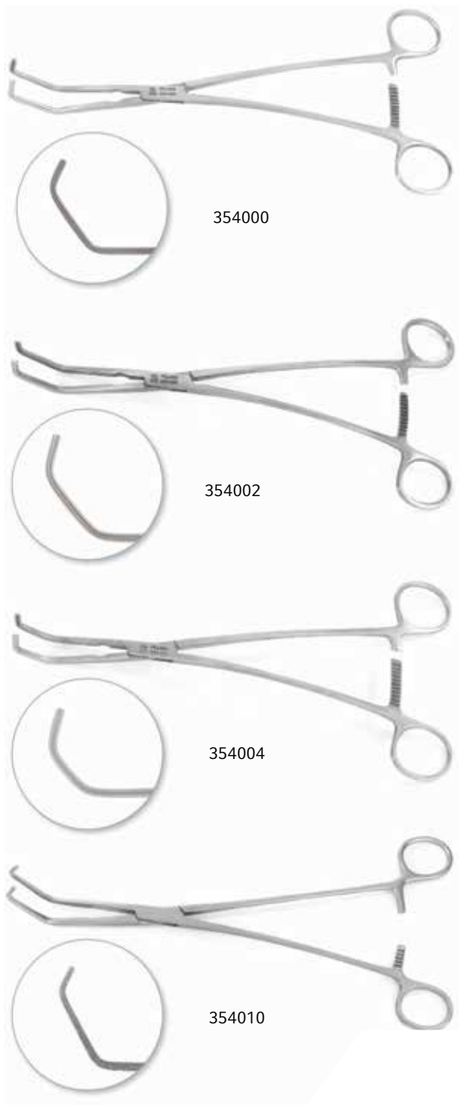
CATALOG #	DESCRIPTION
354165	(B) 3-1/8" (80 mm), 10-1/2" (26.5 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

SATINSKY CLAMPS



Satinsky clamps provide an atraumatic grip in clamping the vena cava, have proven to be the most popular and versatile of all cardiac clamps. They are now provided in a variety of jaw types and sizes as listed. DeBakey-type Jaws, 1 x 11 ratchets. Non-glare finished stainless steel.

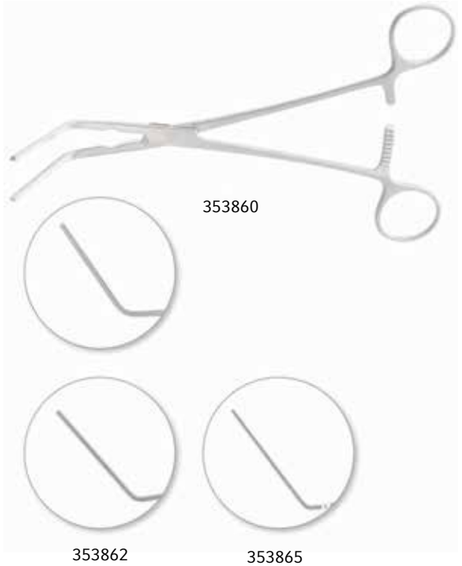
CATALOG #	DESCRIPTION
354000	Large, 2" (5 cm) jaw, 10-1/4" (26 cm)
354002	Medium, 1-1/2" (4 cm) jaw, 10" (25.5 cm)
354004	Small, 1-1/4" (3 cm) jaw, 9-3/4" (25 cm)
354005	Set of 3 (354000, 354002, 354004)
354010	Same as Large Satinsky Clamp (354000) except with original criss-cross serrated jaw

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Aortic Vascular Clamps

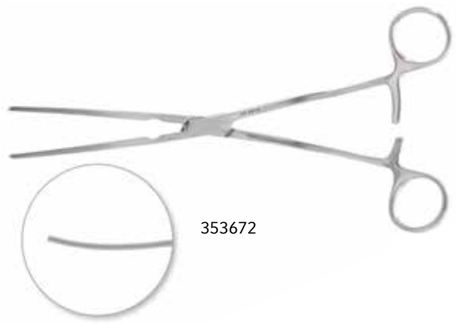
SCHUMAKER ANGULAR AORTA CLAMPS



DeBakey-type Jaws are angled at 60 degrees. These clamps are also used extensively in gastric surgery. Non-glare finished stainless steel.

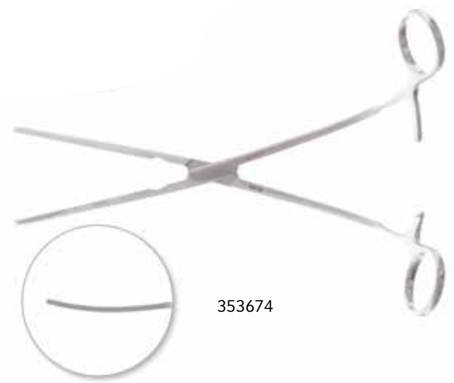
CATALOG #	DESCRIPTION
353860	Standard model, jaws 1-1/8" (5.5 cm) past angle, 8-1/2" (21.5 cm)
353862	Standard model, jaws 2-3/4" (7 cm) past angle, 8-7/8" (22.5 cm)
353865	Heavy model, jaws 3-15/16" (10 cm) past angle, jaw width 4 mm, 11-1/4" (28.5 cm)

STONEY DEEP AORTA CLAMPS



Features angled handles to lie across the xiphoid portion of the sternum.

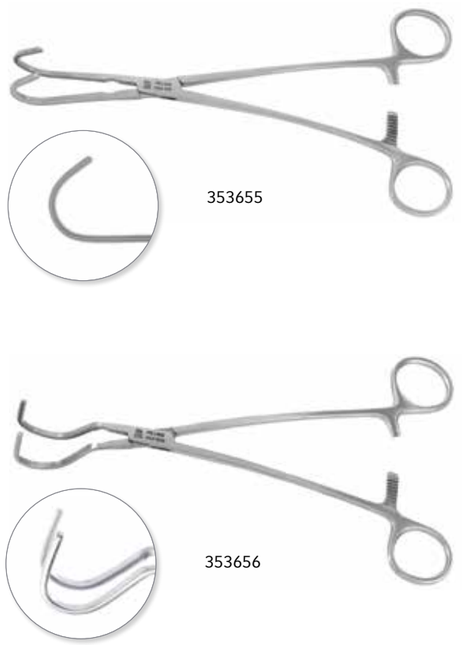
CATALOG #	DESCRIPTION
353672	6-7/8" (17.5 cm)
353674	9" (23 cm)



VASCULAR CLAMPS

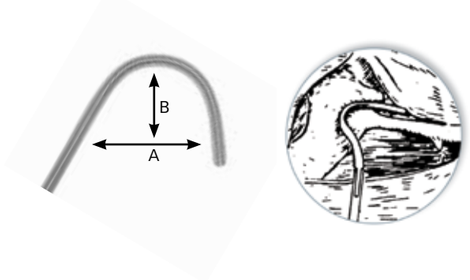
Aortic Vascular Clamps

WYLIE "J" AORTIC CLAMPS



DeBakey-type Jaws acutely curved. Width at (A) 1-1/4" (3.5 cm), depth at (B) 1" (2.5 cm).

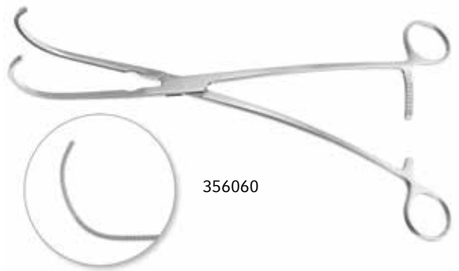
CATALOG #	DESCRIPTION
353655	Model No. 1, 9-5/8" (24.5 cm)
353656	Model No. 2, 9-1/4" (23.5 cm)



VASCULAR CLAMPS

Aortic Aneurysm Clamps

COOLEY AORTA CLAMP

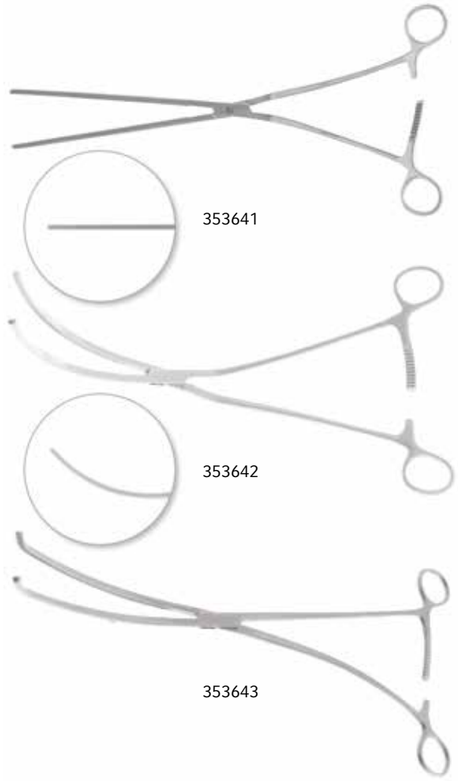


356060

For temporary occlusion of the abdominal and thoracic aorta during resection and graft replacement. Original Cooley Jaws.

CATALOG #	DESCRIPTION
356060	Jaw length 2" (5 cm), 11-1/4" (28.5 cm)

CRAWFORD THORACO-ABDOMINAL ANEURYSM CLAMPS



353641

353642

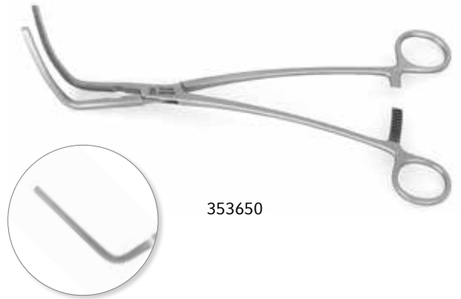
353643

CATALOG #	DESCRIPTION
353641	Straight jaw, 6-3/8" (16 cm), 13-1/2" (34 cm)
353642	Curved jaw, angled handle, 12-7/8" (32.5 cm)
353643	"S" curve, angled tip, 13-5/8" (34.5 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps

DEBAKEY-TYPE AORTA CLAMP



353650

Spoon-shaped flat jaws. This clamp with DeBakey-type Jaws may be used for both the abdominal aorta and the thoracic aorta for temporary occlusion during performance of resection and graft replacement. The specially angled jaw permits convenient application of the clamp in such a manner as to maintain the handles of the clamp away from the field of operation.

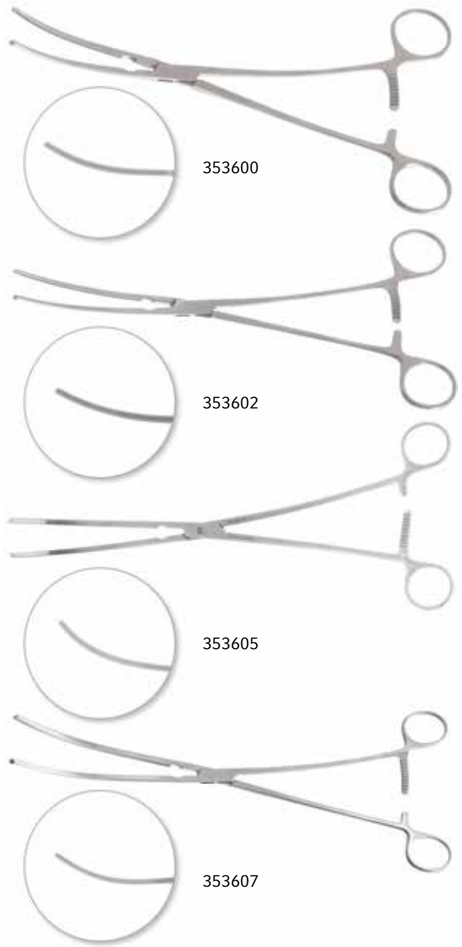
CATALOG #	DESCRIPTION
353650	Angled on flat and spoon-shaped, 2-1/2" (6.5 cm) jaw, 1 x 11 ratchets, 10-1/4" (26 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Aortic Aneurysm Clamps

DEBAKEY-TYPE AORTIC ANEURYSM CLAMPS



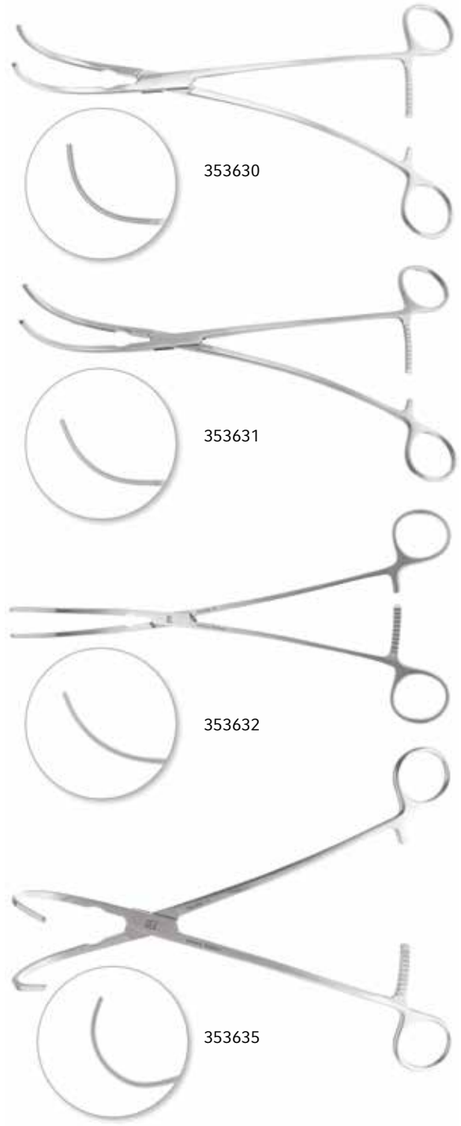
DeBakey-type Jaws. For occlusion of the neck of sacciform aneurysms of the aorta in tangential excision of such aneurysms and subsequent aortography. Also for temporary occlusion of the aorta in resection of fusiform aneurysms of the aorta and restoration of continuity by aortic grafts.

CATALOG #	DESCRIPTION
353600	3-3/4" (9.5 cm) jaw, 1 x 9 ratchets, 10-3/8" (26.5 cm)
353602	4" (10 cm) jaw, 1 x 9 ratchets, 10-7/8" (27.5 cm)
353605	4-7/8" (12.5 cm) jaw, 1 x 11 ratchets, 12-1/2" (32 cm)
353607	5-3/4" (14.5 cm) jaw, 1 x 11 ratchets, 13-1/4" (33.5 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps

DEBAKEY-TYPE CURVED CLAMPS



For temporary occlusion of the iliac artery just distal to the aorta in resection of aneurysms of the abdominal aorta involving bifurcation. DeBakey-type Jaws.

CATALOG #	DESCRIPTION
353630	Acutely curved, 1-1/4" (3.5 cm) jaw, spring handle, 1 x 11 ratchets, 9-5/8" (24.5 cm)
353631	Medium curved, Bahnson type, 1-1/4" (3 cm) jaw, spring handle, 1 x 9 ratchets, 10-1/8" (25.5 cm)
353632	Slightly curved, Bahnson type, 1-1/4" (3 cm) jaw, spring handle, 1 x 9 ratchets, 10-3/8" (26 cm)
353635	Extra-large, acutely curved, 2-1/2" (6.5 cm) jaw, 1 x 11 ratchets, 10-3/8" (26 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Aortic Aneurysm Clamps

DEBAKEY-TYPE FULL CURVED AORTIC ANEURYSM CLAMPS



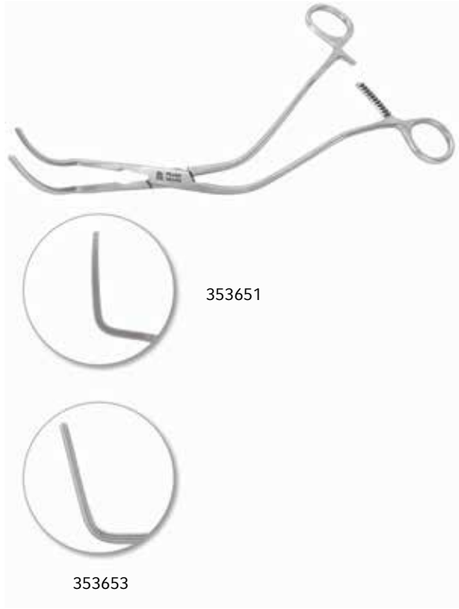
DeBakey-type Jaws. More acutely curved in both jaw and handle sections than aortic clamps 353600 to 353607. For occlusion of the neck of sacciform aneurysms of the aorta in tangential excision of such aneurysms and subsequent aortography. Also for temporary occlusion of the aorta in resection of fusiform aneurysms of the aorta in resection and restoration of continuity by aortic grafts.

CATALOG #	DESCRIPTION
353625	2-1/8" (5.5 cm) jaw, 9-1/2" (24 cm)
353626	11-1/8" (28.5 cm)
353627	2-1/4" (5.5 cm) jaw, 12-1/2" (31.5 cm)

VASCULAR CLAMPS

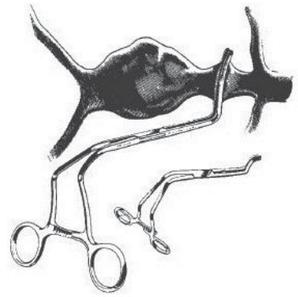
Aortic Aneurysm Clamps

GRANT ABDOMINAL AORTIC ANEURYSM CLAMPS, "TEXAS TWISTER"

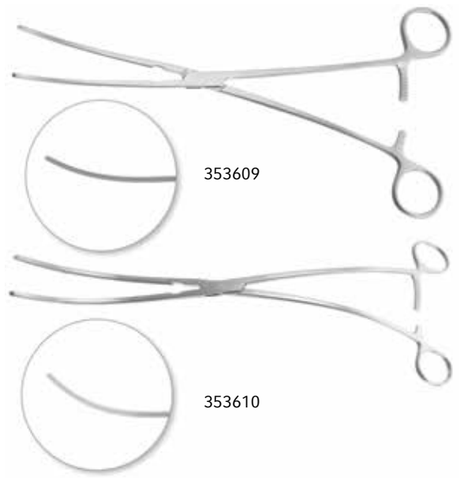


Unique design allows lateral cross clamping of aorta. On thin patients, the multi-angled handle can be conveniently placed over left wound margin. In the heavy or obese patient, handles can be tucked under abdominal wall. Wide, secure, 2 x 3 DeBakey-type Jaws, 1 x 11 ratchets for gradual declamping and graft flushing.

CATALOG #	DESCRIPTION
353651	Curved, 2-5/8" (6.5 cm) jaw, 7-7/8" (20 cm)
353653	Short, 2-1/8" (5.5 cm) jaw, 9-1/4" (23.5 cm)



HOWARD-DEBAKEY-TYPE AORTIC ANEURYSM CLAMPS



Reverse curve shafts, 1 x 9 ratchets, DeBakey-type Jaws.

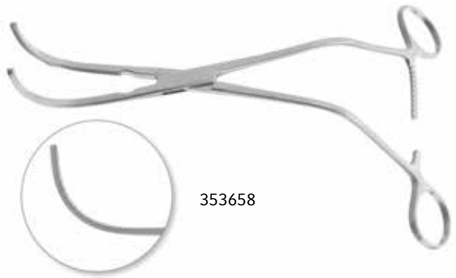
CATALOG #	DESCRIPTION
353609	1 x 2, 4-1/8" (10.5 cm) jaws, 10-3/4" (27.5 cm)
353610	2 x 3, 4" (10.5 cm) jaws, 12-1/2" (32 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR CLAMPS

Aortic Aneurysm Clamps

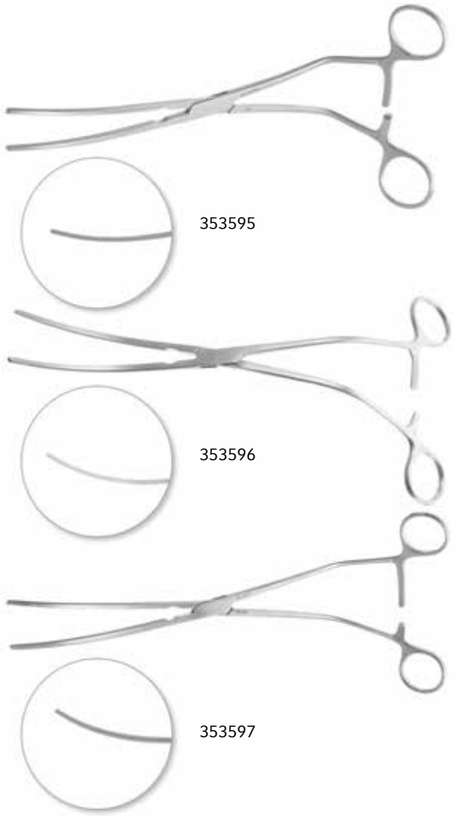
WYLIE ABDOMINAL AORTA CLAMP



CATALOG #	DESCRIPTION
353658	DeBakey-type Jaws, 8-1/2" (21.5 cm)

ZANGER ABDOMINAL AORTA CLAMPS

Acutely curved handle, 1 x 9 ratchets.



CATALOG #	DESCRIPTION
353595	8-1/8" (20.5 cm)
353596	9-3/4" (25 cm)
353597	11-1/4" (28.5 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps

PILLING RATCHET LOCK



Slips on the ratchets of most standard size cardiac clamps. Helps prevent ratchet from accidentally becoming disengaged and from springing open.

CATALOG #	DESCRIPTION
351715	Pilling Ratchet Lock

Aortic Compressor

CONN AORTIC COMPRESSOR



A simple device used to gain initial control of the proximal circulation in suspected or known rupture of abdominal aortic aneurysms. Allows surgeon additional time to dissect and cross clamp aorta.

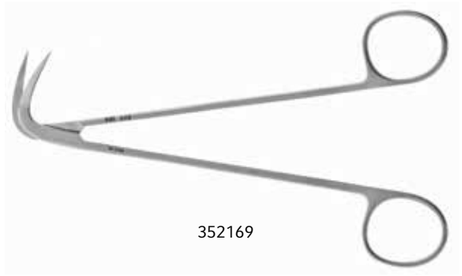
CATALOG #	DESCRIPTION
351715	Compressor head 3-1/8" (8 cm) wide, overall length 15-1/2" (39.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Potts-Style Scissors

BEALL CIRCUMFLEX ARTERY SCISSORS



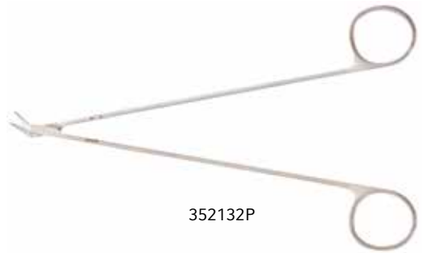
352169

CATALOG #	DESCRIPTION
352169	Angled 110 degrees, delicate, 15 mm blades, 6" (15 cm)

SCISSORS

Potts-Style Scissors

BEALL MICRO CORONARY SCISSORS

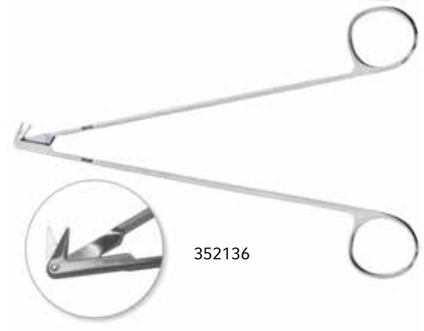


352132P

352133



352135



352136

Delicately tapered shanks, thin narrow blades with micro blunt tips. Available in five angles. The 8-10 mm length blade is approximately 1/2 the length of common coronary artery scissors. This allows the surgeon to prepare smaller, more precise arteriotomy on the host coronary artery as in IMA grafting.

CATALOG #	DESCRIPTION
352132P	Angled 25 degrees, 8 mm blades, 7" (18 cm)
352133	Angled 45 degrees, 10 mm blades, 7" (18 cm)
352134	Angled 60 degrees, 10 mm blades, 6-7/8" (17.5 cm)
352135	Angled 90 degrees, 8 mm blades, 6-3/4" (17 cm)
352136	Angled 120 degrees, 10 mm blades, 6-3/4" (17 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Potts-Style Scissors

DEBAKEY-TYPE POTTS SCISSORS



352187

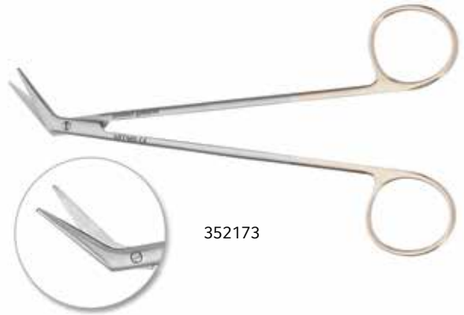
CATALOG #	DESCRIPTION
352187	Angled 60 degrees, 25 mm blades, 6-1/4" (16 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Potts-Style Scissors

DEBAKEY-TYPE VASCULAR SCISSORS



352173

352177



352185



352191

352196



352197

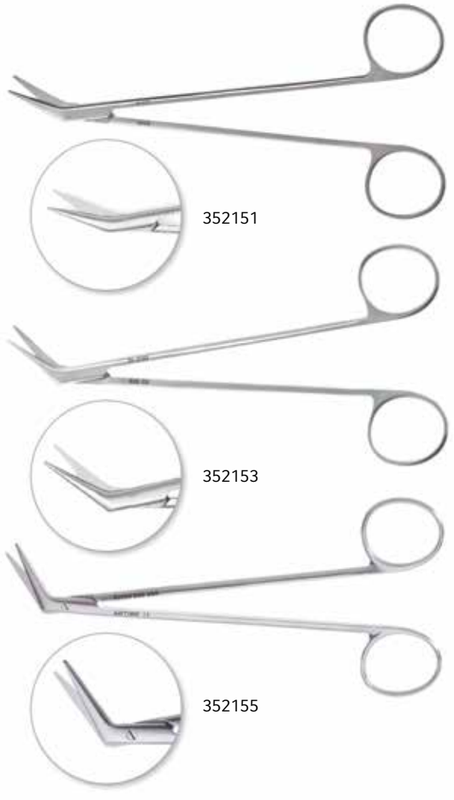
CATALOG #	DESCRIPTION
352173	45 degrees, 25 mm blades, 6-1/2" (16.5 cm), TC
352174	60 degrees, 25 mm blades, 6-1/4" (16 cm), TC
352177	60 degrees, 25 mm blades, 8-5/8" (22 cm), TC
352185	25 degrees, 25 mm blades, 6-5/8" (17 cm)
352191	45 degrees, 25 mm blades, 8-7/8" (22.5 cm)
352196	45 degrees, 25 mm blades, 11-1/8" (28 cm)
352197	60 degrees, 32 mm blades, 10-7/8" (27.5 cm)

Angled to the side. A lightweight, round pattern scissors with blunted tip blades. Supplied in 3 angles.

SCISSORS

Potts-Style Scissors

DEBAKEY-TYPE POTTS SCISSORS



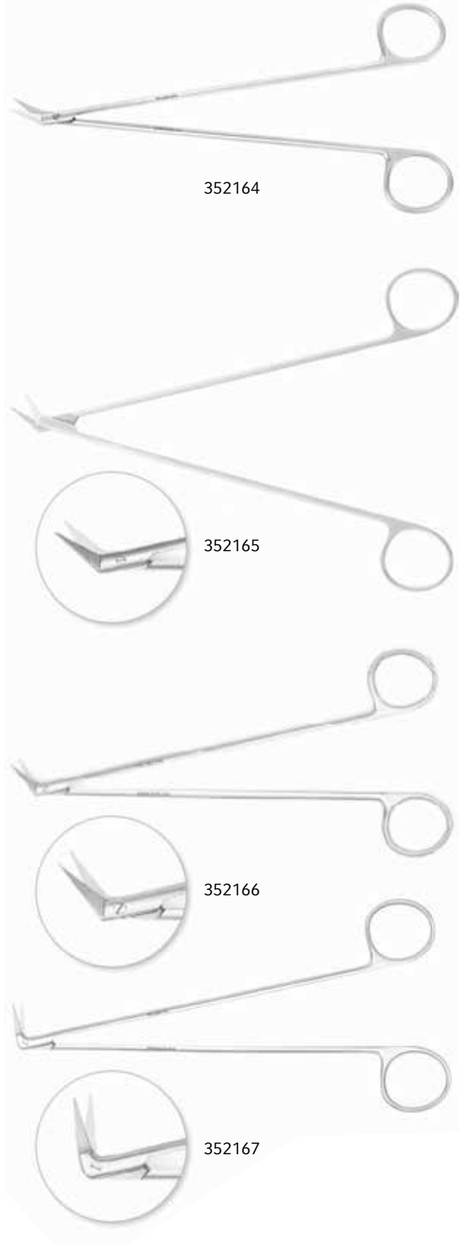
Angled to side. A delicate modification of the Potts Scissors supplied in various angles for use in coronary artery surgery.

CATALOG #	DESCRIPTION
352151	Angled 20 degrees, 23 mm blades, 6-5/8" (17 cm)
352153	Angled 45 degrees, 20 mm blades, 6-1/2" (16.5 cm)
352155	Angled 60 degrees, 23 mm blades, 6-1/4" (16 cm)

SCISSORS

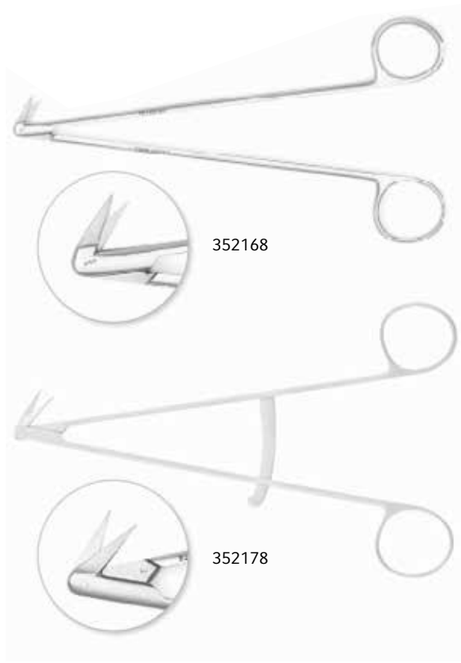
Potts-Style Scissors

PILLING® CORONARY POTTS SCISSORS



Thin, narrow blades with microscopically blunt tips. Delicately tapered shanks. Available in 5 angles – 25, 45 and 60 degrees for L.A.D., and 90 and 120 degrees for less accessible sites on right and left circumflex.

CATALOG #	DESCRIPTION
352164	Angled 25 degrees, 16 mm blades, 7-1/8" (18 cm)
352165	Angled 45 degrees, 16 mm blades, 7" (18 cm)
352166	Angled 60 degrees, 16 mm blades, 7" (18 cm)
352167	Angled 90 degrees, 15 mm blades, 6-3/4" (17 cm)
352168	Angled 120 degrees, 16 mm blades, 6-3/4" (17 cm)
352178	Angled 120 degrees, 13 mm blades, 7" (18 cm)

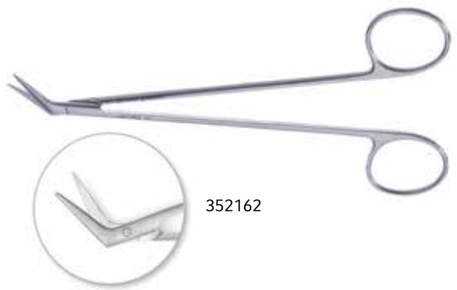


CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Potts-Style Scissors

DIETHRICH DELICATE ANGLED CORONARY SCISSORS


352162

CATALOG #	DESCRIPTION
352162	Angled 45 degrees, 15 mm blades, 6-1/4" (16 cm)

DIETHRICH-POTTS VASCULAR SCISSORS

Short blades, semi-sharp tips.

CATALOG #	DESCRIPTION
352146	Angled 25 degrees, 15 mm blades, 5-1/2" (14 cm)
352147	Angled 45 degrees, 15 mm blades, 5-3/8" (13.5 cm)
352148	Angled 60 degrees, 5-1/4" (13.5 cm)
352149	Angled 90 degrees, 15 mm blades, 5" (12.5 cm)


352146

352147

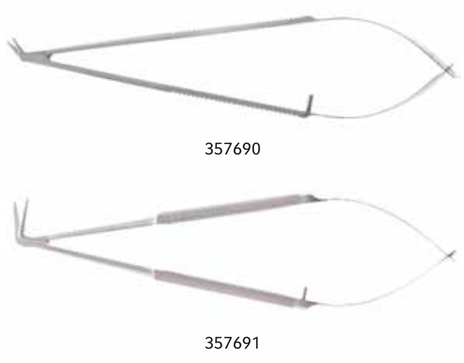
352148


352149

SCISSORS

Potts-Style Scissors

MICRO VASCULAR SCISSORS


357690

357691

CATALOG #	DESCRIPTION
357690	Angled 45 degrees, 7 mm blades, 6-1/2" (16.5 cm)
357691	Angled 120 degrees, 7 mm blades, 6-1/2" (16.5 cm)

POTTS SCISSORS


352140

CATALOG #	DESCRIPTION
352140	Angled 60 degrees, 25 mm blades, 3-3/4" (9.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Potts-Style Scissors

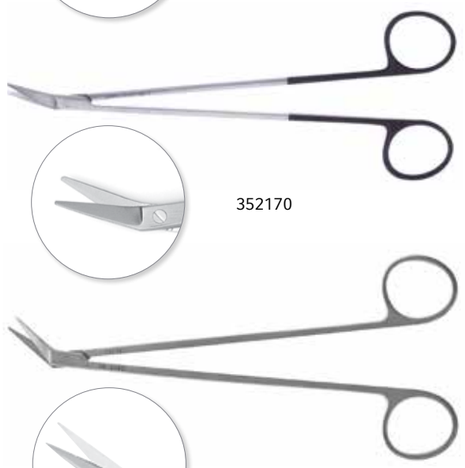
POTTS SMITH SCISSORS



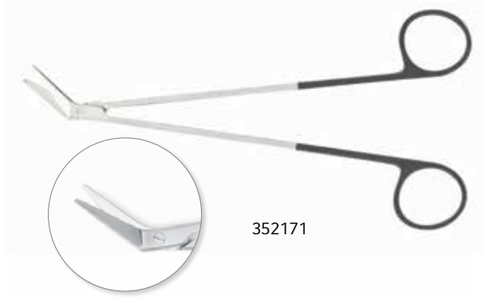
352150

Angled to side. Pilling® Pattern, satin finish.

CATALOG #	DESCRIPTION
352150	Angled 25 degrees, 25 mm blades, 7-1/2" (19 cm)
352170	Angled 25 degrees, 19 mm blades, 7-1/2" (19 cm), TC
352152	Angled 45 degrees, 23 mm blades, 7-1/4" (18.5 cm)
352171	Angled 45 degrees, 19 mm blades, 7-1/4" (18.5 cm), TC
352154	Angled 60 degrees, 23 mm blades, 7" (18 cm)

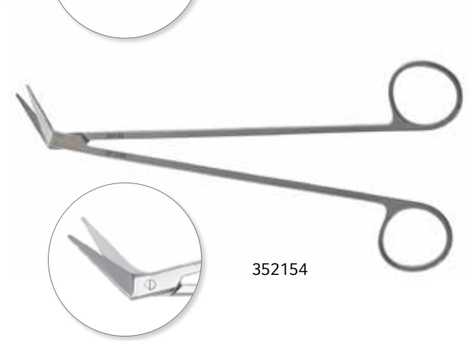


352170



352171

352152

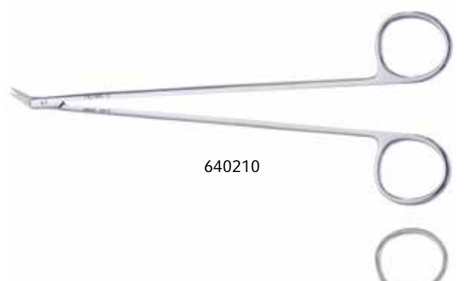


352154

SCISSORS

Potts-Style Scissors

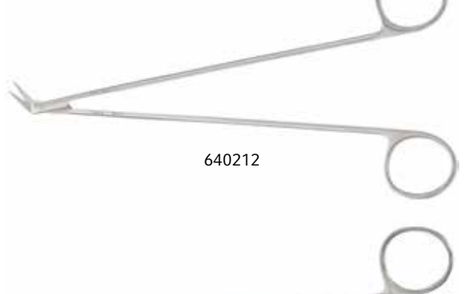
POTTS SMITH VASCULAR SCISSORS



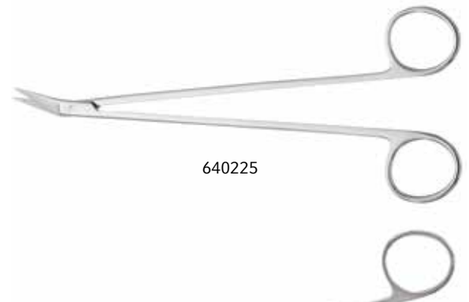
640210

Standard, angled blades. Weck® Pattern, bright finish.

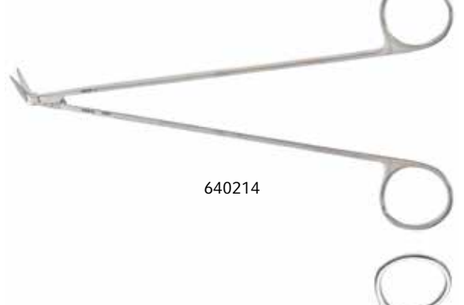
CATALOG #	DESCRIPTION
640210	Angled 25 degrees, 7" (18 cm)
640212	Angled 45 degrees, 7" (18 cm)
640214	Angled 60 degrees, 7" (18 cm)
640216	Angled 130 degrees, 6-3/4" (17 cm)
640225	Angled 25 degrees, 18 mm blades, 7-1/2" (19 cm)
640245	Angled 45 degrees, 18 mm blades, 7-1/4" (18.5 cm)
640260	Angled 60 degrees, 22 mm blades, 7" (18 cm)



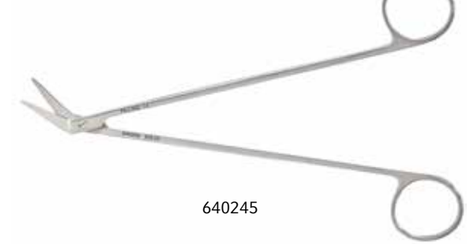
640212



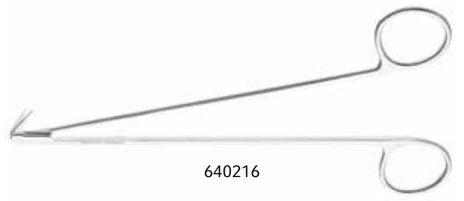
640225



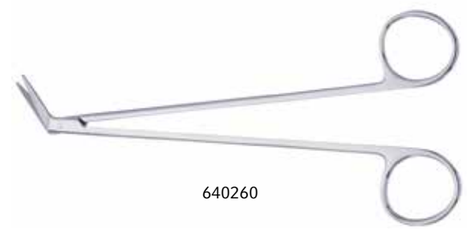
640214



640245



640216



640260

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

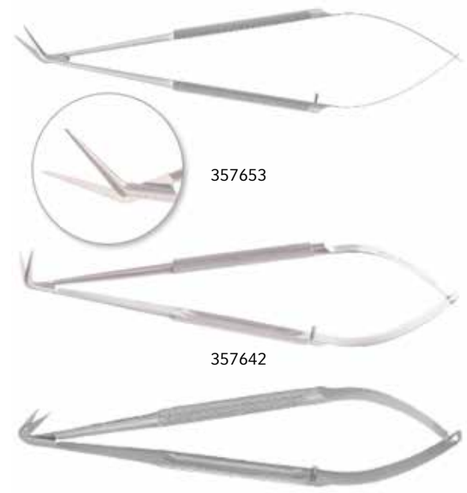
Potts-Style Scissors

YASARGIL VASCULAR SCISSORS



CATALOG #	DESCRIPTION
357594	Bayonet, angled 45 degrees, 10 mm blades, 7-1/2" (19 cm)
357595	Bayonet, reverse angled 125 degrees, 12 mm blades, 7-1/4" (18.5 cm)
357622	Straight, 12 mm blades, 7" (18 cm)

YOU-POTTS VASCULAR SCISSORS



Narrow, thin blade and round spring handles.

CATALOG #	DESCRIPTION
357653	Angled 45 degrees, 12 mm blades, 7-3/8" (18.5 cm)
357642	Angled 90 degrees, 14 mm blades, 7" (18 cm)
357643	Angled 120 degrees, 12 mm blades, 7" (18 cm) for the circumflex artery.

SCISSORS

Vascular and Cardiac Scissors

BAKST CARDIAC SCISSORS



A finely balanced dissecting scissors that can be used interchangeably in all endothoracic dissections. Blades curved to side.

CATALOG #	DESCRIPTION
352232	Curved, 7" (18 cm)

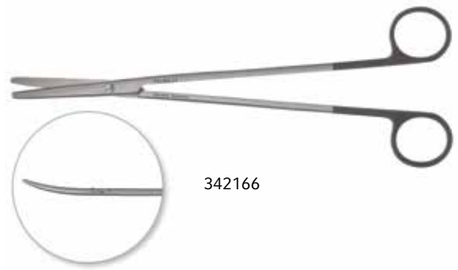
DEBAKEY-TYPE ENDARTERECTOMY SCISSORS



A specially made, round pattern scissors with blades that taper to blunt tips, tempered for proper rigidity and sharpness despite their light weight. Blades curved to side.

CATALOG #	DESCRIPTION
352180	Slightly curved, 7" (18 cm)
352181	Acutely curved, 6-7/8" (17.5 cm)
352183	Slightly curved, 7" (18 cm), TC
352184	Acutely curved, 7" (18 cm), TC

DEBAKEY-TYPE SCISSORS



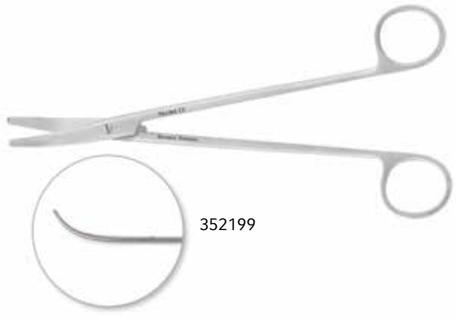
Sturdy Metzenbaum-type scissors. Black rings for quick identification.

CATALOG #	DESCRIPTION
342160	Curved, 5-3/4" (14.5 cm), TC
342162	Curved, 7" (18 cm), TC
342166	Curved, 9-1/8" (23 cm), TC
342167	Curved, 10-1/4" (26 cm), TC
342168	Curved, 11-1/4" (28.5 cm), TC
342169	Curved, 12" (30.5 cm), TC

SCISSORS

Vascular and Cardiac Scissors

DEBAKEY-TYPE VALVE SCISSORS



Heavy construction.

CATALOG #	DESCRIPTION
352199	Acutely curved, 7-3/4" (19.5 cm)

DEBAKEY-TYPE METZENBAUM DISSECTING SCISSORS



Curved blades.

CATALOG #	DESCRIPTION
342200	Curved, 5-7/8" (15 cm)
342201	Curved, 7" (18 cm)
342202	Curved, 8-1/8" (20.5 cm)
342203	Curved, 9-1/8" (23 cm)
342204	Curved, 10-1/4" (26 cm)
342206	Curved, 12-1/4" (31 cm)

FERGUSON LONG DISSECTING SCISSORS



Metzenbaum-type blades. Strong but delicate scissors with rounded tips useful in any deep dissection.

CATALOG #	DESCRIPTION
342275	10-1/4" (26 cm)

SCISSORS

Vascular and Cardiac Scissors

HAIMOVICI SCISSORS



A delicate, acutely curved scissors.

CATALOG #	DESCRIPTION
352297	5-1/4" (13.5 cm)
352298	10" (25.5 cm)

JAMISON-METZENBAUM TENOTOMY SCISSORS



The standard Metzenbaum-style Curved Blades have specially narrowed tenotomy-type distal tips.

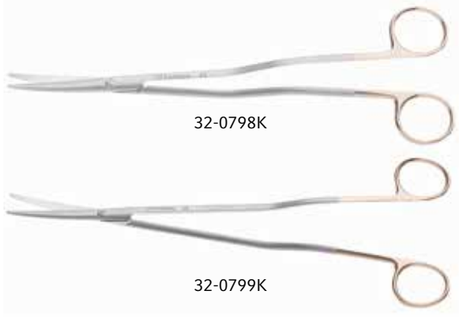
CATALOG #	DESCRIPTION
342220	6" (15 cm)
342221	7" (18 cm)
342222	8" (20.5 cm)
342223	9" (23 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Vascular and Cardiac Scissors

OFFSET METZENBAUM SCISSORS



CATALOG #	DESCRIPTION
32-0798K*	9" (23 cm)
32-0799K*	11" (28 cm)

*Not available in Canada

POTTS SMITH DISSECTING SCISSORS



Curved, 48 mm blades.

CATALOG #	DESCRIPTION
640200	Curved, 7-1/2" (19 cm)
640205	Curved, 9-1/8" (23 cm)

POTTS TENOTOMY SCISSORS



CATALOG #	DESCRIPTION
640280	Curved, 29 mm blades, 6" (15 cm)

SCISSORS

Vascular and Cardiac Scissors

REVUELTA-GARCIA VALVE SCISSORS



CATALOG #	DESCRIPTION
351745	Angled shanks, 10-7/8" (27.5 cm)

SATINSKY SCISSORS



For excision of a portion of the inferior vena cava prior to anastomosis with other vessels.

CATALOG #	DESCRIPTION
352295	9-3/4" (25 cm)

STRULLY PROBED TIP SCISSORS



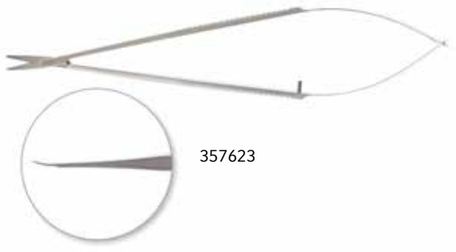
CATALOG #	DESCRIPTION
462530	Curved, 25 mm blades, 8" (20.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Vascular and Cardiac Scissors

JACOBSON VASCULAR SCISSORS



CATALOG #	DESCRIPTION
357623	Curved, 12 mm blades, 7" (18 cm)

MICRO VASCULAR ANASTOMOSIS SCISSORS

Round handle, 8 mm diameter.



CATALOG #	DESCRIPTION
357651	Straight, 12 mm blades, 7-3/8" (19 cm)
357652	Curved, 12 mm blades, 7-1/4" (18.5 cm)

NEUROFEEL MICRO SCISSORS



Bayonet with flat handle. Delicate, 5 mm micro blades.

CATALOG #	DESCRIPTION
395115	Curved blade, 7-1/4" (18.5 cm)
395128	Straight blade, 8-1/4" (21 cm)

SCISSORS

Vascular and Cardiac Scissors

MCCLURE IRIS SCISSORS



Angled on flat for control and visibility.

CATALOG #	DESCRIPTION
352144	Angled on flat, 12 mm blades, 4-1/2" (11.5 cm)

CASTROVIEJO SCISSORS

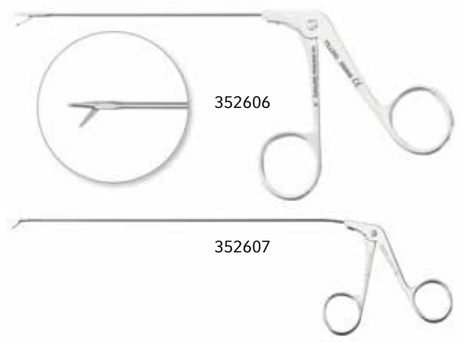


Spring handle for maximum control.

CATALOG #	DESCRIPTION
352145	Angled 45 degrees, 9 mm blades, 4-1/8" (10.5 cm)

Venous Valve

VENOUS VALVE SCISSORS



CATALOG #	DESCRIPTION
352606	4" (10 cm) scissors have ball tip to help minimize damage to the intima of the vein
352607	9-1/4" (23.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT NEEDLE HOLDERS

Pilling® Technique® Design

Teleflex takes great pride in presenting our line of finely crafted Pilling® Technique® Instruments. Technique® Instruments offer the balance, precision and craftsmanship you demand, assuring high quality instrument performance. Easily identified by our signature black handle.

BAILEY CARDIAC TECHNIQUE® NEEDLE HOLDER

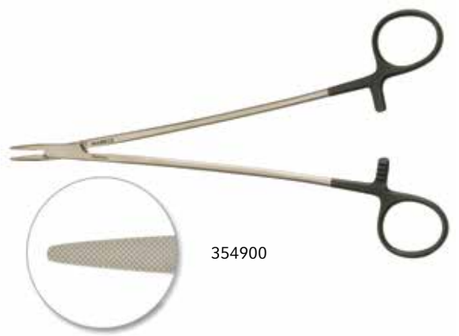


354931

Light construction throughout with fine, tapered tips. Jaws are lightly scored for use with smallest size needles and sutures. Tungsten Carbide.

CATALOG #	DESCRIPTION
354931	17 x 2 mm jaw, 7" (18 cm), TC

DEBAKEY-TYPE TECHNIQUE® NEEDLE HOLDERS



354900

Light, short Tungsten Carbide jaws. Constructed in weight proportional to total length. May be purchased individually or as matched set of four.

CATALOG #	DESCRIPTION
354900	No. 1. Length, 18.2 x 2 mm jaw, 7" (18 cm), TC
354902	No. 2. Length, 21.5 x 1.8 mm jaw, 9-1/4" (23.5 cm), TC
354904	No. 3. Length, 21.5 x 2.3 mm jaw, 10-1/2" (26.5 cm), TC
354906	No. 4. Length, 19 x 2.6 mm jaw, 11-3/4" (30 cm), TC
354908	Matched set of four

CVT NEEDLE HOLDERS

Pilling® Technique® Design

GERBODE TECHNIQUE® NEEDLE HOLDER



343000

Medium-light construction. A strong full sized needle holder with jaws tapered to 2 mm width for holding fine needles.

CATALOG #	DESCRIPTION
343000	16.5 x 2 mm jaw, 10-1/2" (26.5 cm), TC

HOWELL CORONARY TECHNIQUE® NEEDLE HOLDER



354920

CATALOG #	DESCRIPTION
354920	14 x 1.6 mm jaw, 7-1/4" (18.5 cm), TC

HOWELL VALVE TECHNIQUE® NEEDLE HOLDER



354928

CATALOG #	DESCRIPTION
354928	19 x 2 mm jaw, 8" (20.5 cm), TC

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT NEEDLE HOLDERS

Pilling® Technique® Design

JAMISON TECHNIQUE® NEEDLE HOLDER



Long, slender needle holder. Jaws are lightly serrated.

CATALOG #	DESCRIPTION
354941	19.8 x 1.8 mm jaw, 9" (23 cm), TC

PILLING® EXTRA LIGHT TECHNIQUE® NEEDLE HOLDERS



Thinner shanks and box-locks than Pilling® Thin Needle Holders for reduced weight.

CATALOG #	DESCRIPTION
354981	17 x 1.8 mm jaw, 6" (15 cm), TC
354982	17.5 x 1.6 mm jaw, 7" (18 cm), TC

CVT NEEDLE HOLDERS

Pilling® Technique® Design

PILLING® INTRACARDIAC TECHNIQUE® NEEDLE HOLDERS



CATALOG #	DESCRIPTION
354985	17 x 1.8 mm jaw, 7" (18 cm), TC
354986	11.5 x 1.6 mm jaw, 8" (20.5 cm), TC
354987	20.5 x 2 mm jaw, 9-1/4" (23.5 cm), TC
354988	20.5 x 2 mm jaw, 10-1/4" (26 cm), TC

PILLING® THIN VASCULAR AND CORONARY TECHNIQUE® NEEDLE HOLDERS



Delicately proportioned, slender needle holders.

CATALOG #	DESCRIPTION
354958	20.5 x 1.8 mm jaw, 9" (23 cm), TC
354959	20.5 x 2.2 mm jaw, 10-1/4" (26 cm), TC
354960	16 x 1.8 mm jaw, 6" (15 cm), TC
354961	16 x 1.7 mm jaw, 7" (18 cm), TC
354962	20 x 1.8 mm jaw, 8-1/4" (21 cm), TC

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT NEEDLE HOLDERS

Pilling® Technique® Design

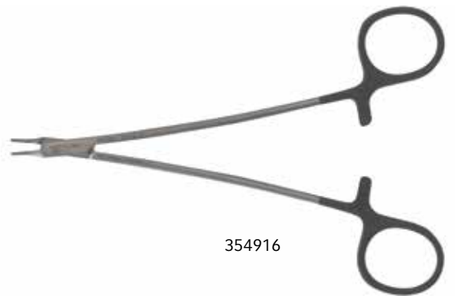
RYDER EXTRA FINE TECHNIQUE® NEEDLE HOLDERS



Pilling® Pattern, satin finish. Sculptured 1 mm wide jaws for the finest vascular, plastic and nerve suture needles. Lightweight throughout (average weight 1 oz).

CATALOG #	DESCRIPTION
354990	11.5 x 1.3 mm jaw, 5-1/4" (13.5 cm), TC
354992	12.5 x 1.2 mm jaw, 6" (15 cm), TC
354994	14.3 x 1.2 mm jaw, 7" (18 cm), TC
354996	14.5 x 1.2 mm jaw, 8" (20.5 cm), TC
354998	15 x 1.3 mm jaw, 9" (23 cm), TC

W.M. LEMMON TECHNIQUE® NEEDLE HOLDERS



Delicate, lightly serrated, 4 mm tapering to 1.5 - 2 mm tips, 13 mm long. The medium size is specifically for repair of the femoral arteriotomy site with fine sutures following completion of the by-pass.

CATALOG #	DESCRIPTION
354915	Delicate, 1.5 mm jaw, 5-3/4" (14.5 cm), TC
354916	1.5 mm jaw, 6-3/4" (17 cm), TC
354917	2.3 mm jaw, 7-1/2" (19 cm), TC

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT NEEDLE HOLDERS

Pilling® Technique® Design

GREGORY TECHNIQUE® SUTURE "STAY" CLAMPS



Smooth jaw hemostats for tagging sutures. May be used with or without rubber shodding.

CATALOG #	DESCRIPTION
351830	Straight, 3-7/8" (10 cm), TC
351831	Curved, 3-7/8" (10 cm), TC

GIANNINI TECHNIQUE® NEEDLE HOLDER



Flat handles.

CATALOG #	DESCRIPTION
354971	Straight, 17.5 x 1.8 mm jaw, 10-1/4" (26 cm), TC

CVT NEEDLE HOLDERS

Pilling® Technique® Design

MICRO SURGERY TECHNIQUE® NEEDLE HOLDERS



354967

Flat handle, smooth jaws.

CATALOG #	DESCRIPTION
354966	Straight, 13 x 1.4 mm jaw, 7" (18 cm), TC
354967	Straight, 13 x 1.4 mm jaw, 8" (20.5 cm), TC

CASTROVIEJO TECHNIQUE® NEEDLE HOLDERS



354964

CATALOG #	DESCRIPTION
354964	Straight, 13 x 1.4 mm jaw, 7-1/4" (18.5 cm), TC
354965	Straight, 13 x 1.4 mm jaw, 8" (20.5 cm), TC

SPENCER CORONARY TECHNIQUE® NEEDLE HOLDER



354969

CATALOG #	DESCRIPTION
354969	Straight, smooth, 12 x 1.2 mm jaw, 0.9 mm tip, 7" (18 cm), TC

CVT NEEDLE HOLDERS

Castro-Type Micro Needle Holders

CASTROVIEJO MICRO NEEDLE HOLDERS



355558DG

Fine, straight, with round handle and lock. 1 mm Diama-Grip jaws.

CATALOG #	DESCRIPTION
355558DG	9" (23 cm)
355559DG	10" (25.5 cm)
355560DG	12" (30.5 cm)

CASTROVIEJO MICRO NEEDLE HOLDERS



357676DG

Round handle with Diama-Grip jaws.

CATALOG #	DESCRIPTION
357656DG	Straight, with lock, 1.2 mm, 7" (18 cm)
357676DG	Straight, with lock, 1.2 mm, 8" (20.5 cm)
357677DG	Curved, without lock, 1 mm, 8" (20.5 cm)

CASTROVIEJO NEEDLE HOLDERS

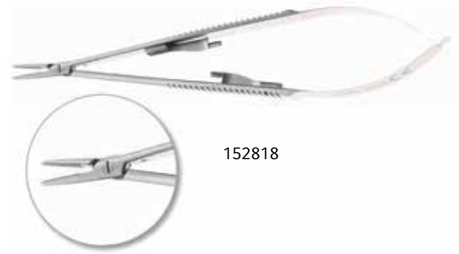


354964DG

Straight, with flat handle and lock. Diama-Grip jaws.

CATALOG #	DESCRIPTION
354972	Straight, 11.5 x 0.8 mm Diama-grip jaw, 6" (15 cm)
354973	Curved, 11.5 x 1 mm Diama-grip jaw, 6" (15 cm)
354974	Straight, 0.8 mm wide Diama-grip jaw, 7-1/4" (18.5 cm)
354964DG	Straight, 1.8 mm jaw, 7-1/4" (18.5 cm)
354965DG	Straight, 8" (20.5 cm)
354975	Straight, 0.7 mm wide Diama-grip jaw, 8-1/4" (21 cm)

CASTROVIEJO NEEDLE HOLDERS



152818

CATALOG #	DESCRIPTION
152818	Straight, 11 x 1.4 mm jaw, 6" (15 cm), TC
152819	Curved, 12 x 1.4 mm jaw, 5-3/4" (14.5 cm), TC

CVT NEEDLE HOLDERS

Castro-Type Micro Needle Holders

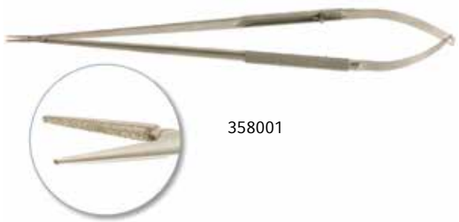
JACOBSON MICRO NEEDLE HOLDER



357603DG

CATALOG #	DESCRIPTION
357603DG	Straight with flat handle, lock, 18 x 1.3 mm Diama-Grip jaw, 8-1/2" (21.5 cm)

JACOBSON MICRO NEEDLE HOLDERS



358001



358002



358003

Straight, round handle with lock. Diama-Grip jaws.

CATALOG #	DESCRIPTION
358001	11 x 0.8 mm jaw, 9" (23 cm)
358002	1.8 mm jaw, 9" (23 cm)
358003	16 x 0.9 mm jaw, 8-1/4" (21 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT NEEDLE HOLDERS

Castro-Type Micro Needle Holders

JACOBSON MICRO-SURGICAL NEEDLE HOLDERS



357603

Smooth, straight, stainless steel jaws with Castroviejo-type Lock and flat handles.

CATALOG #	DESCRIPTION
357601	13 x 1.3 mm jaw, 7" (18 cm)
357603	13.5 x 1.2 mm jaw, 8-1/2" (21.5 cm)

MICRO SURGERY NEEDLE HOLDERS



152825

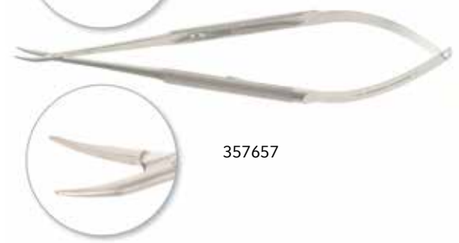
Flat handle, smooth jaws.

CATALOG #	DESCRIPTION
152825	Straight, 12.5 x 1.4 mm jaw, 6" (15 cm), TC
152827	Curved, 13 x 1.4 mm jaw, 6" (15 cm), TC

MICRO VASCULAR ROUND HANDLE NEEDLE HOLDERS



357656



357657

Stainless steel jaws, round handles. Smooth jaws.

CATALOG #	DESCRIPTION
357667	Straight, 7-3/8" (18.5 cm), TC
357672	Straight, 0.6 mm smooth jaw, 8-1/8" (20.5 cm)
357674	Straight, 0.6 mm smooth jaw, 9" (23 cm)
357675	Curved, 0.6 mm smooth jaw, 9" (23 cm)
357676	Straight, 8" (20.5 cm), TC
357677	Straight, 1 mm jaw, 8" (20.5 cm), TC
357654	Straight, without lock, 1.15 mm jaw, 7-3/8" (18.5 cm)
357655	Curved, without lock, 7-3/8" (18.5 cm)
357656	Straight, with lock, 1.2 mm jaw, 7-1/2" (19 cm)
357657	Curved, with lock, 0.6 mm jaw, 7-3/8" (18.5 cm)

CVT NEEDLE HOLDERS

Castro-Type Micro Needle Holders

DIGITATE-HEIFETZ NEEDLE HOLDERS



066204

CATALOG #	DESCRIPTION
066200	Straight, 0.4 mm smooth jaw, 5-3/4" (14.5 cm)
066204	Curved, 0.6 mm smooth jaw, 5-3/4" (14.5 cm)

Wire Twisters

BERRY STERNAL "BIG UGLY" TECHNIQUE® NEEDLE HOLDER



343030

A large, heavy-duty needle holder with 6 mm-wide jaws to securely hold the large needles used to close sternotomies. LIFE-LOK® Box-Lock.

CATALOG #	DESCRIPTION
343030	28 x 6 mm jaw, 7-3/4" (19.5 cm), TC

BAUMGARTEN WIRE TWISTER



142521

Heavy, square jaw.

CATALOG #	DESCRIPTION
142521	18 x 5 mm heavy, square jaws, 8-1/8" (20.5 cm), TC

CVT NEEDLE HOLDERS

Wire Twisters

RUBIO TECHNIQUE® WIRE TWISTER



351349

CATALOG #	DESCRIPTION
351349	12 x 4.5 mm jaw, 5" (12.5 cm), TC

WIRE TWISTING FORCEPS



351348

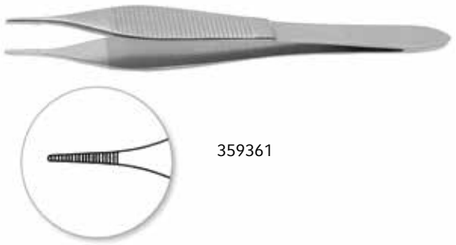
For twisting ends of wire when securing pump tubing to fittings.

CATALOG #	DESCRIPTION
351348	5-3/8" (13.5 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Tissue and Dressing Forceps

ADSON TITANIUM DRESSING FORCEPS

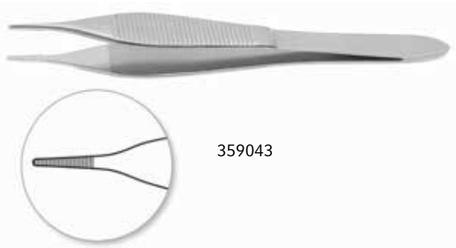


359361

Flat handle.

CATALOG #	DESCRIPTION
359361	Serrated tip, 4-3/4" (12 cm)

ADSON TITANIUM TISSUE FORCEPS



359043

Flat handle.

CATALOG #	DESCRIPTION
359043	Serrated tip, 4-3/4" (12 cm), TC

ADSON-BROWN TITANIUM TISSUE FORCEPS



359359

Flat handle.

CATALOG #	DESCRIPTION
359359	9 x 9 teeth, 4-3/4" (12 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Tissue and Dressing Forceps

BARRAYA TITANIUM TISSUE FORCEPS

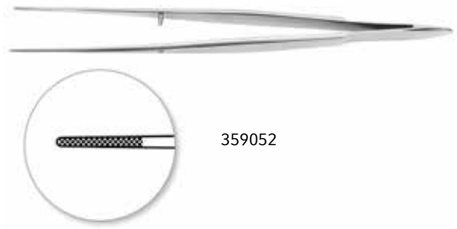


359053

Flat handle.

CATALOG #	DESCRIPTION
359053	2 x 3 teeth, 7-3/4" (20 cm)

CUSHING TITANIUM DRESSING FORCEPS

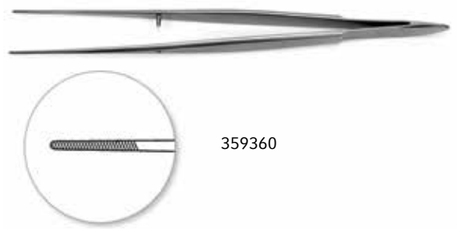


359052

Flat handle.

CATALOG #	DESCRIPTION
359052	Serrated, 7-1/8" (18 cm), TC

CUSHING TITANIUM TISSUE FORCEPS



359360

Flat handle.

CATALOG #	DESCRIPTION
359360	Serrated, 7-7/8" (20 cm)

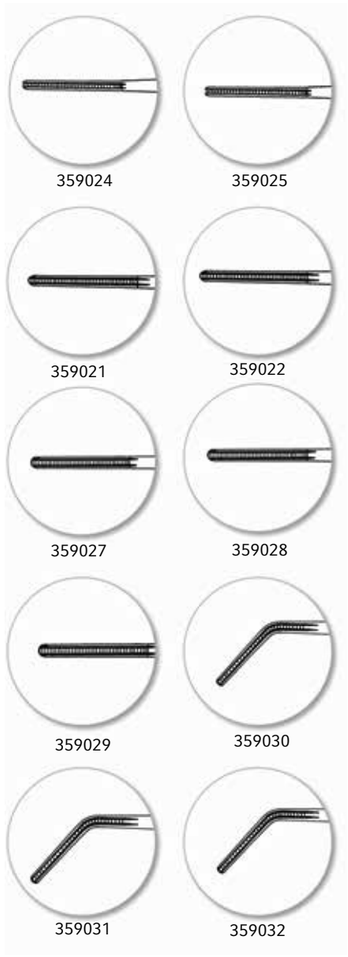
CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Tissue and Dressing Forceps

DEBAKEY-TYPE TITANIUM TISSUE FORCEPS


359029



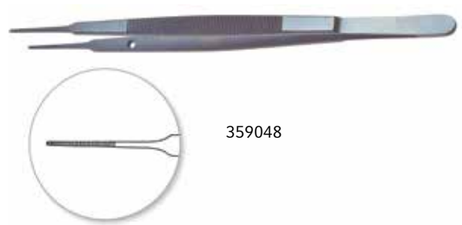
Flat handle.

CATALOG #	DESCRIPTION
359024	Straight, 1.5 mm jaw width, 6" (15 cm)
359025	Straight, 1.5 mm jaw width, 7-5/8" (19.5 cm)
359021	Straight, 2.5 mm jaw width, 6" (15 cm)
359022	Straight, 2.5 mm jaw width, 7-5/8" (19.5 cm)
359027	Straight, 3 mm jaw width, 6" (15 cm)
359028	Straight, 3 mm jaw width, 7-5/8" (19.5 cm)
359029	Straight, 3 mm jaw width, 9-1/2" (24 cm)
359030	Angled, 2.5 mm jaw width, 5-7/8" (15 cm)
359031	Angled, 2.5 mm jaw width, 7-1/2" (19 cm)
359032	Angled, 2.5 mm jaw width, 9-1/4" (23.5 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Tissue and Dressing Forceps

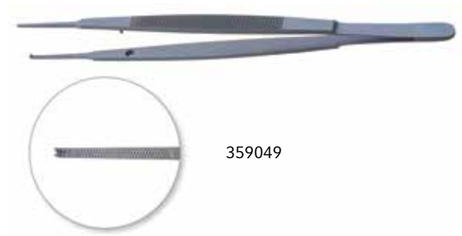
GERALD TITANIUM DRESSING FORCEPS


359048

Flat handle. Serrated tip.

CATALOG #	DESCRIPTION
359048	6 7/8" (18 cm)

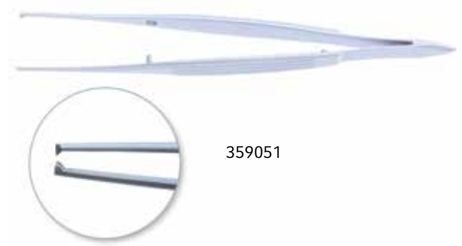
GERALD TITANIUM TISSUE FORCEPS


359049

Flat handle. Serrated tip.

CATALOG #	DESCRIPTION
359049	1 x 2 teeth, 6-7/8" (18 cm)

GILLIES TITANIUM TISSUE FORCEPS


359051

Flat handle.

CATALOG #	DESCRIPTION
359051	1 x 2 teeth, 5-7/8" (15 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Tissue and Dressing Forceps

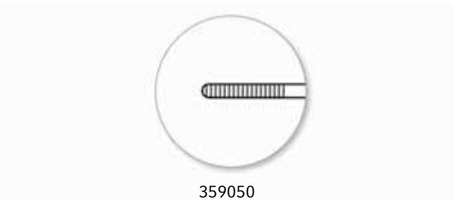
GUILMET TITANIUM DRESSING FORCEPS



Flat handle.

CATALOG #	DESCRIPTION
359054	Serrated tip, 7-7/8" (20 cm)

MCINDOE TITANIUM TISSUE FORCEPS



Flat handle.

CATALOG #	DESCRIPTION
359050	Serrated tip, 5-7/8" (15 cm)

Micro Forceps

DENIS TITANIUM MICRO FORCEPS

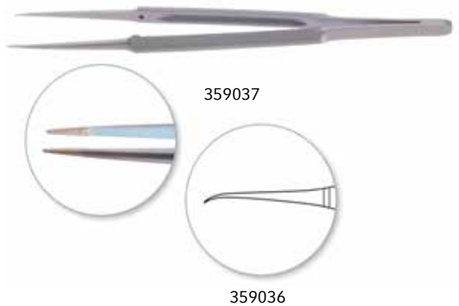


CATALOG #	DESCRIPTION
359407	Straight, 0.4 mm tip, Diama-Grip jaws, 8-1/4" (21 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Micro Forceps

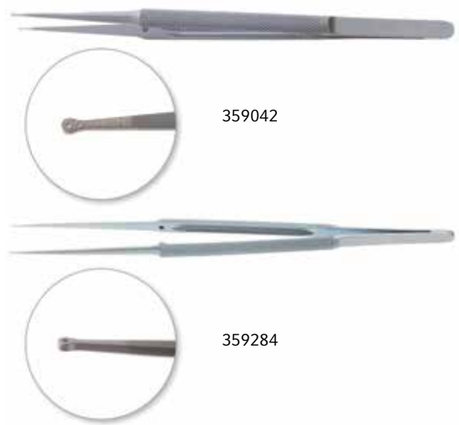
MICRO TITANIUM DIAMA-GRIP TYING FORCEPS



Round handle. Diama-Grip on tip.

CATALOG #	DESCRIPTION
359033	Straight, 4-3/4" (12 cm)
359034	Curved, 3-3/4" (9.5 cm)
359037	Straight, 7-1/8" (18 cm)
359036	Curved, 5-7/8" (15 cm), 6 mm Diama-Grip jaws

MICRO TITANIUM DIAMA-GRIP TYING FORCEPS



Straight with round handle. Diama-Grip ring tip.

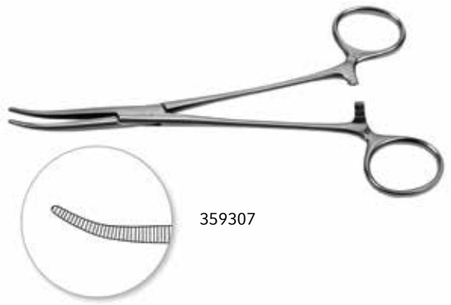
CATALOG #	DESCRIPTION
359042	I.D. 0.4 mm, O.D. 1 mm, 7-1/8" (18 cm)
359283	I.D. 1 mm, O.D. 2 mm, 8-3/4" (22 cm)
359284	I.D. 0.4 mm, O.D. 1 mm, 8-3/4" (22 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Hemostatic Forceps

CRILE TITANIUM HEMOSTATIC FORCEPS



CATALOG #	DESCRIPTION
359307	Curved, serrated jaw, 5-5/8" (15 cm)

HALSTED TITANIUM HEMOSTATIC FORCEPS

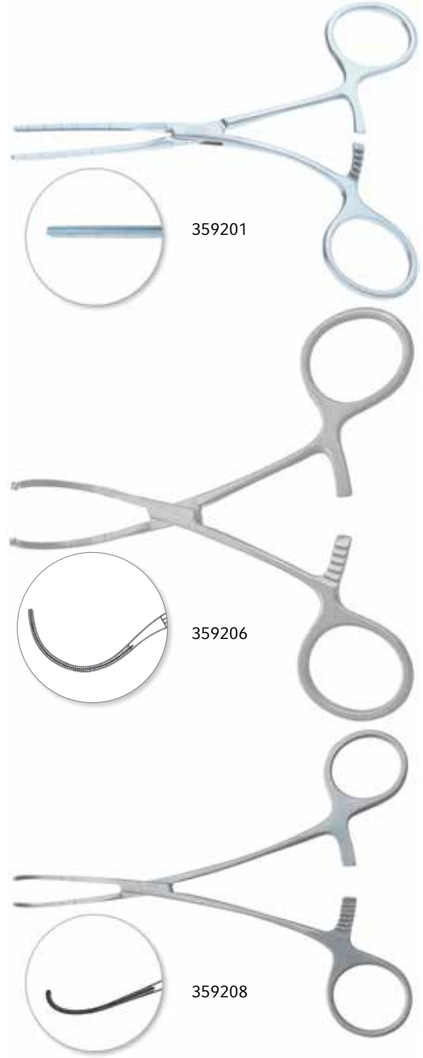


CATALOG #	DESCRIPTION
359296	Curved, serrated jaws, 4-3/4" (12.5 cm)
359299	Delicate curved, serrated jaws, 4-3/4" (12.5 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Pediatric Vascular Clamps

CASTANEDA TITANIUM VASCULAR CLAMPING FORCEPS



Clamping Forceps (10 g).

CATALOG #	DESCRIPTION
359201	Straight jaw, 5-1/8" (13 cm)
359206	Curved jaw, 4-3/4" (12 cm)
359208	Curved jaw, 6-1/2" (17 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

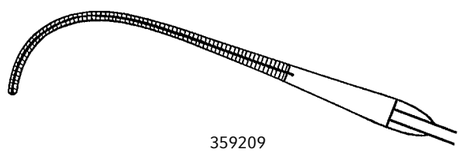
Pediatric Vascular Clamps

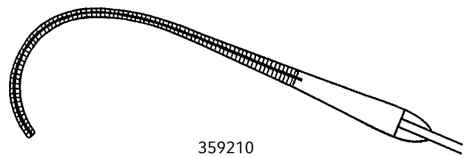
CASTANEDA TITANIUM VASCULAR CLAMPING FORCEPS



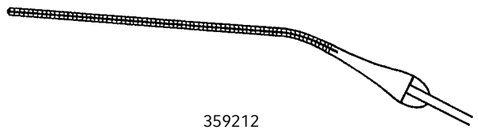
Clamping Forceps (15 g).

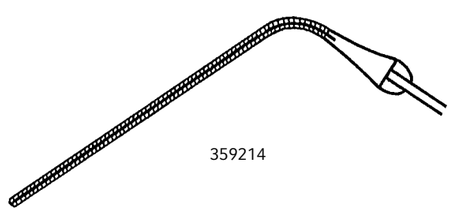
CATALOG #	DESCRIPTION
359209	Curved jaw, 6-1/2" (17 cm)
359210	Curved jaw, 6-3/8" (17 cm)
359211	Straight jaw, 6-5/8" (17 cm)
359212	30 degree angled jaw, 6-1/4" (16 cm)
359213	50 degree angled jaw, 6" (15 cm)
359214	70 degree angled jaw, 5-7/8" (15 cm)
359215	90 degree angled jaw, 5-3/8" (13.5 cm)

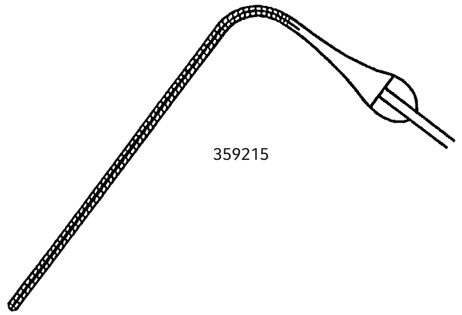

359209


359210


359211


359212


359214


359215

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Pediatric Vascular Clamps

COOLEY TITANIUM PEDIATRIC CLAMP


359221

CATALOG #	DESCRIPTION
359221	Spoon-shaped for coarctation, 7-1/4" (18.5 cm)

DEBAKEY-TYPE TITANIUM PEDIATRIC CLAMPS


359355


359356

CATALOG #	DESCRIPTION
359354	Straight jaws, 4-3/8" (11 cm)
359355	60 degree angled jaws, 4" (10.5 cm)
359356	Anastomosis clamp with 9.5 mm angled operational jaw length, 3-7/8" (10 cm)
359357	Anastomosis clamp with 6 mm curved operational jaw length, 3-7/8" (9.5 cm)
359358	Anastomosis clamp with 16 mm operational jaw length, 4-1/8" (10.5 cm)


359357

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Pediatric Vascular Clamps

DERRA TITANIUM ANASTOMOSIS CLAMPS



CATALOG #	DESCRIPTION
359236	Curved jaws, 6-11/16" (17 cm)
359237	Curved jaws, 6-13/16" (17.5 cm)

Vascular Clamps

CRAFOORD TITANIUM CLAMPING FORCEPS



CATALOG #	DESCRIPTION
359325	Curved, serrated jaws, 9-1/2" (24 cm)

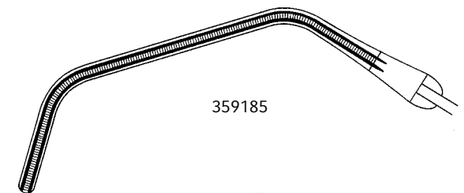
TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

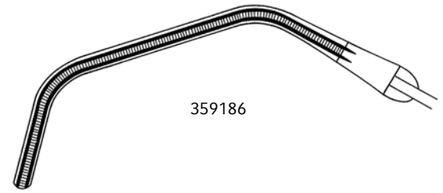
Vascular Clamps

DEBAKEY-TYPE TITANIUM VASCULAR CLAMPS

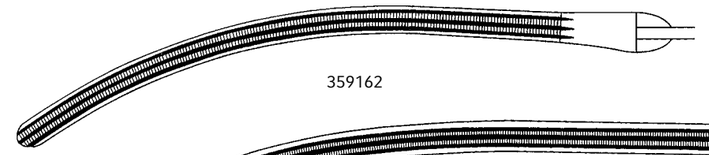


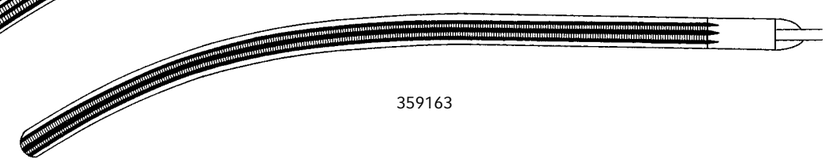
CATALOG #	DESCRIPTION
359161	Aorta clamp, curved jaw, 11-1/8" (28.5 cm)
359162	Aorta clamp, curved jaw, 11-3/4" (30 cm)
359163	Aorta clamp, curved jaw, 12-5/8" (32 cm)
359185	Occlusion clamp with 50 mm operational jaw length, 10-3/4" (27 cm)
359186	Occlusion clamp with 40 mm operational jaw length, 10" (25 cm)
359187	Occlusion clamp with 30 mm operational jaw length, 10" (25 cm)
359188	Occlusion clamp with 25 mm operational jaw length, 9-1/2" (24 cm)











CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

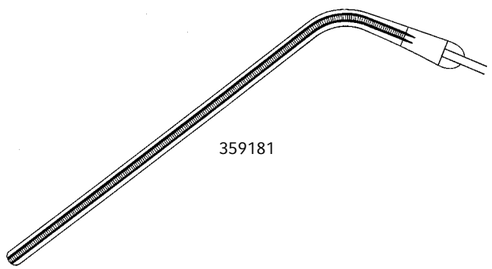
Vascular Clamps

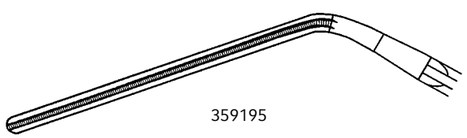
DEBAKEY-TYPE TITANIUM VASCULAR CLAMPS

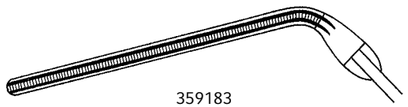

359159

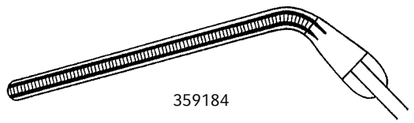
CATALOG #	DESCRIPTION
359159	70 degree angled jaw, 10-1/4" (26 cm)
359195	45 degree angled jaw, 10-1/2" (26.5 cm)
359181	60 degree angled jaw, 11-3/4" (30 cm)
359183	60 degree angled jaw, 9-3/8" (23.5 cm)
359184	60 degree angled jaw, 8-1/2" (21.5 cm)


359159

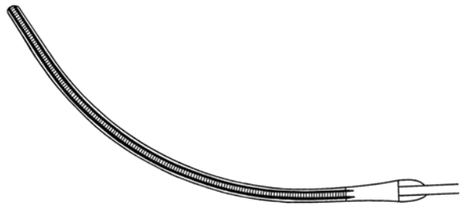

359181


359195


359183


359184

DEBAKEY-TYPE TITANIUM VASCULAR CLAMPS

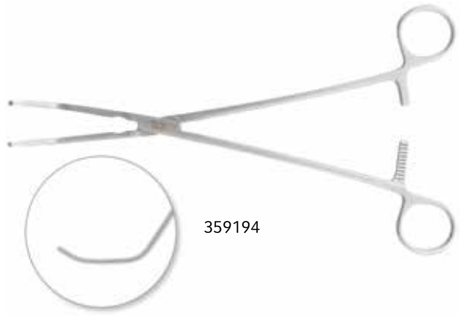

359173

CATALOG #	DESCRIPTION
359173	Curved jaw, 7-7/8" (20 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Vascular Clamps

GLOVER TITANIUM AURICULAR CLAMP


359194

CATALOG #	DESCRIPTION
359194	Auricular handles with 30 mm operational jaw length, 10" (25 cm)

GLOVER TITANIUM COARCTATION VASCULAR CLAMPS


359138


359139

CATALOG #	DESCRIPTION
359138	Straight handles, DeBakey-type Jaws, 8-5/8" (22 cm)
359139	Angled handles, DeBakey-type Jaws, 8-5/8" (22 cm)

HEISS TITANIUM CLAMPING FORCEPS


359314

CATALOG #	DESCRIPTION
359314	Angled handles, DeBakey-type Jaws, 8-5/8" (22 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

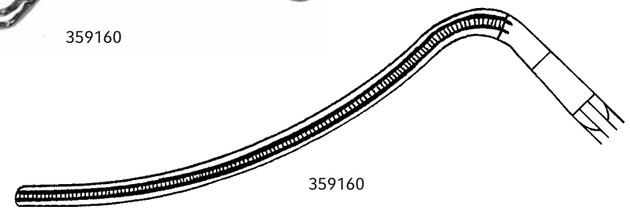
Vascular Clamps

HUFNAGEL TITANIUM VASCULAR CLAMP

CATALOG #	DESCRIPTION
359160	Curved DeBakey-type Jaw, 8-5/8" (22 cm)



359160



359160

KAY TITANIUM VASCULAR CLAMP

CATALOG #	DESCRIPTION
359152	Curved DeBakey-type Jaws, 7-7/8" (20 cm)



359152

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Vascular Clamps

LELAND-JONES TITANIUM VASCULAR CLAMPS

CATALOG #	DESCRIPTION
359169	30 degree angled DeBakey-type Jaws, 7-1/2" (19 cm)
359170	15 degree angled DeBakey-type Jaws, 7-7/8" (20 cm)
359171	Straight, DeBakey-type Jaw, 8-1/4" (21 cm)



359169



359171

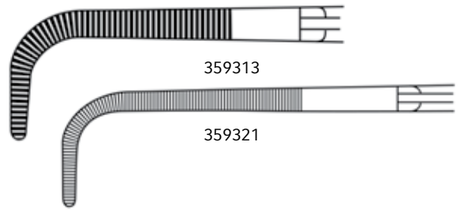


359169



359171

O'SHAUGHNESSY TITANIUM CLAMPING FORCEPS



359313

359321

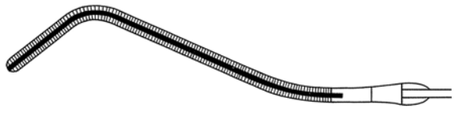
CATALOG #	DESCRIPTION
359313	Strong curve, serrated jaw, 8-1/4" (21 cm)
359321	Strong curve, serrated jaw, 9-5/8" (24.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Vascular Clamps

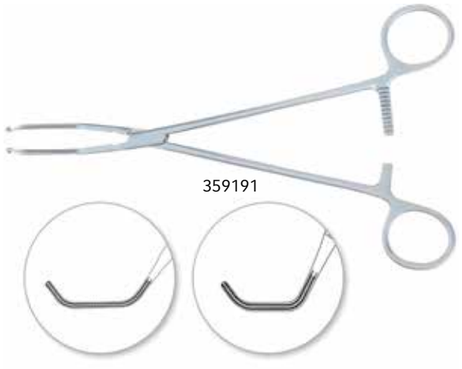
RENAL ARTERY TITANIUM VASCULAR CLAMP



359238

CATALOG #	DESCRIPTION
359238	Curved jaws, 7-1/2" (19 cm)

SATINSKY TITANIUM VASCULAR CLAMPS



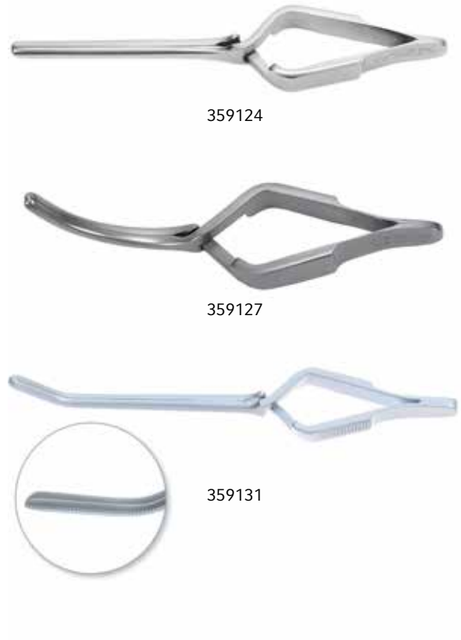
359191 359193

CATALOG #	DESCRIPTION
359191	Vena cava clamp with 30 mm operational DeBakey-type Jaw length, 9-5/8" (24.5 cm)
359193	Vena cava clamp with 20 mm operational DeBakey-type Jaw length, 9-1/2" (24 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Bulldog™ Clamps

DEBAKEY-TYPE TITANIUM BULLDOG™ CLAMPS



359124 359127 359131

CATALOG #	DESCRIPTION
359122	Straight, 3" (7.5 cm)
359123	Straight, 3-3/8" (8.5 cm)
359124	Straight, 3-7/8" (10 cm)
359127	Curved, 3-1/4" (8.5 cm)
359128	Curved, 3-7/8" (10 cm)
359131	Angled 45 degrees, 4-3/4" (12 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS SCISSORS

Micro Scissors

MICRO TITANIUM SCISSORS



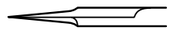
359006

With flat handle.

CATALOG #	DESCRIPTION
359003	Curved, 6-1/4" (16 cm)
359006	Straight, delicate, 6-1/4" (16 cm)
359250	Curved, serrated, 8-1/4" (21 cm)
359253	Straight, 9" (23 cm)



359003



359006



359250



359253

TITANIUM INSTRUMENTS SCISSORS

Micro Scissors

MICRO TITANIUM SCISSORS



359262

With round handle.

CATALOG #	DESCRIPTION
359259	Straight, 6-1/4" (16 cm)
359260	Curved, 6-1/4" (16 cm)
359261	Straight, serrated, 6-1/4" (16 cm)
359262	Curved, serrated, 6-1/4" (16 cm)
359263	Straight, delicate, 6-1/4" (16 cm)
359264	Curved, delicate, 6-1/4" (16 cm)
359265	Straight, 7-1/8" (18 cm)
359266	Curved, 7-1/8" (18 cm)
359267	Straight, serrated, 7-1/8" (18 cm)
359268	Curved, serrated, 7-1/8" (18 cm)
359269	Straight, delicate, 7-1/8" (18 cm)
359270	Curved, delicate, 7-1/8" (18 cm)
359271	Straight, 8-1/4" (21 cm)
359272	Curved, 8-1/4" (21 cm)
359273	Straight, serrated, 8-1/4" (21 cm)
359274	Curved, serrated, 8-1/4" (21 cm)
359275	Straight, delicate, 8-1/4" (21 cm)
359276	Curved, delicate, 8-1/4" (21 cm)
359277	Straight, 9" (23 cm)
359278	Curved, 9" (23 cm)
359279	Straight, serrated, 9" (23 cm)
359280	Curved, serrated, 9" (23 cm)
359281	Straight, delicate, 9" (23 cm)
359282	Curved, delicate, 9" (23 cm)



359259



359260



359261



359262



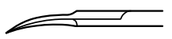
359263



359264



359265



359266



359267



359268



359269



359270



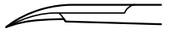
359271



359272



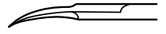
359273



359274



359275



359276



359277



359278



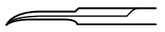
359279



359280



359281



359282

TITANIUM INSTRUMENTS SCISSORS

Potts-Style Scissors

POTTS MICRO TITANIUM SCISSORS



With flat handle, 16 mm blades.

CATALOG #	DESCRIPTION
359016	Angled 25 degrees, 7-1/4" (18.5 cm)
359017	Angled 45 degrees, 7-1/4" (18.5 cm)
359018	Angled 60 degrees, 7-1/4" (18.5 cm)
359019	Angled 90 degrees, 6-3/4" (17.0 cm)
359020	Angled 130 degrees, 6-3/4" (17.0 cm)

TITANIUM INSTRUMENTS NEEDLE HOLDERS

Round Handle Micro Needle Holders

JACOBSON MICRO TITANIUM NEEDLE HOLDERS



Straight, round handle with lock. Diama-Grip jaws.

CATALOG #	DESCRIPTION
359402	Heavyweight, 2 mm jaw, 9" (23 cm)
359401	12 x 1 mm jaw, 9" (23 cm)
359403	16 mm jaw, 8-1/4" (21 cm)

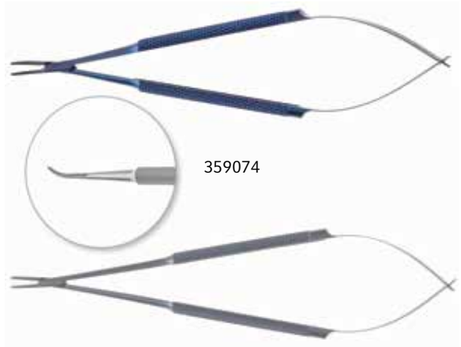
JACOBSON TITANIUM CASTROVIEJO NEEDLE HOLDERS



Round handle with lock. Diama-Grip jaws.

CATALOG #	DESCRIPTION
359071	Straight, 1.8 mm jaw, 8-1/4" (21 cm)
359343	Curved, 1.1 mm jaw, 9" (23 cm)

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS



Round handle, Diama-Grip jaws.

CATALOG #	DESCRIPTION
359069	Straight, with lock, 1 mm jaw, 7-1/8" (18 cm)
359073	Straight, 1 mm jaw, 6-1/4" (16 cm)
359074	Curved, 1 mm jaw, 6-1/4" (16 cm)
359075	Straight, 1 mm jaw, 7-1/8" (18 cm)
359340	Straight, 1.1 mm jaw, 9" (23 cm)
359342	Curved, 1.1 mm jaw, 9" (23 cm)

TITANIUM INSTRUMENTS NEEDLE HOLDERS

Round Handle Micro Needle Holders

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS

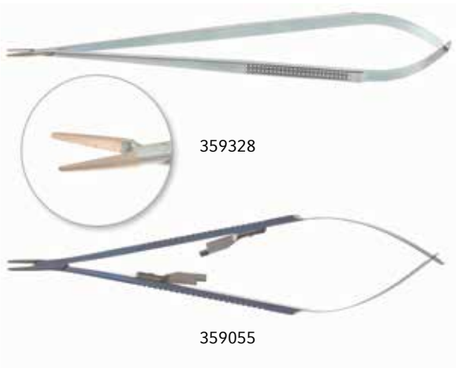


Straight, round handle, serrated jaws.

CATALOG #	DESCRIPTION
359344	1 mm jaw, 6-1/4" (16 cm), TC
359345	With lock, 1 mm jaw, 6" (16 cm), TC
359346	7-1/8" (18 cm), TC
359347	With lock, 8.8 x 1.3 mm jaw, 7-1/8" (18 cm), TC
359349	1.5 mm jaw, 8-1/4" (21 cm), TC
359350	With lock, 1.4 mm jaw, 8-1/4" (21 cm), TC
359352	With lock, 1.5 mm jaw, 9" (23 cm), TC

Flat Handle Micro Needle Holders

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS



Diama-Grip jaws with flat handle.

CATALOG #	DESCRIPTION
359061	Straight, 9 x 1 mm jaw, 6-1/4" (16 cm)
359063	Straight, 9 x 1 mm jaw, 7-1/8" (18 cm)
359328	Straight, 9 x 1 mm jaw, 9" (23 cm)
359062	Curved, 8 x 1 mm jaw, 6-1/4" (16 cm)
359059	Straight with lock, 9 x 1 mm jaw, 8-1/4" (21 cm)
359329	Straight with lock, 9 x 1 mm jaw, 9" (23 cm)
359055	Straight with lock, 9 x 1 mm jaw, 6-1/4" (16 cm)
359058	Curved with lock, 8 x 1 mm jaw, 7-1/8" (18 cm)

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS TC



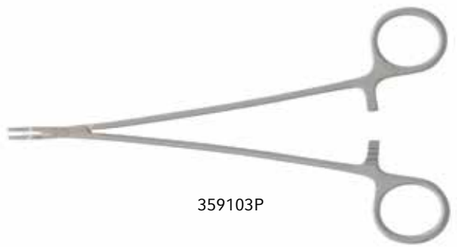
Straight, serrated with flat handle and lock.

CATALOG #	DESCRIPTION
359335	Straight with lock, 9 x 1 mm jaw, 7-1/8" (18 cm), TC
359339	Straight with lock, 8 x 1.4 mm jaw, 9" (23 cm), TC

TITANIUM INSTRUMENTS NEEDLE HOLDERS

Ring Handle Needle Holders

DEBAKEY-TYPE TITANIUM NEEDLE HOLDER



CATALOG #	DESCRIPTION
359103P	1.5 mm Diama-Grip jaw, 8" (20 cm)

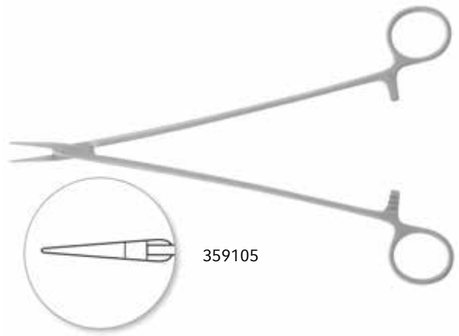
DEBAKEY-TYPE TITANIUM RING HANDLE NEEDLE HOLDERS



4000 teeth per square inch.

CATALOG #	DESCRIPTION
359381	1.5 mm jaw, 6-1/4" (16 cm), TC
359099	16 x 1.4 mm jaw, 8" (20.5 cm), TC

DEBAKEY-TYPE TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
359102	1.6 mm jaw, 7" (18.5 cm)
359104	1.5 mm jaw, 8-5/8" (22 cm)
359105	1.6 mm jaw, 10" (25.5 cm)

TITANIUM INSTRUMENTS
NEEDLE HOLDERS
Ring Handle Needle Holders

DERF TITANIUM RING HANDLE NEEDLE HOLDER



4000 teeth per square inch.

CATALOG #	DESCRIPTION
359083	1.6 mm jaw, 4-1/2" (11.5 cm), TC

HALSEY TITANIUM RING HANDLE NEEDLE HOLDER



For suture sizes 4-0 to 6-0, 4000 teeth per square inch.

CATALOG #	DESCRIPTION
359085	15 x 1.5 mm jaw, 5" (12.5 cm), TC

TITANIUM INSTRUMENTS
NEEDLE HOLDERS
Ring Handle Needle Holders

INTRACARDIAC TITANIUM RING HANDLE NEEDLE HOLDER



CATALOG #	DESCRIPTION
359113P	1.8 mm jaw, 10" (25 cm), Diama-Grip

INTRACARDIAC TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
359110	21 x 2 mm jaw, 7" (18.5 cm)
359111	24 x 2 mm jaw, 8" (20.5 cm)
359112	24 x 2 mm jaw, 8-5/8" (22 cm)

MAYO HEGAR TITANIUM RING HANDLE NEEDLE HOLDERS



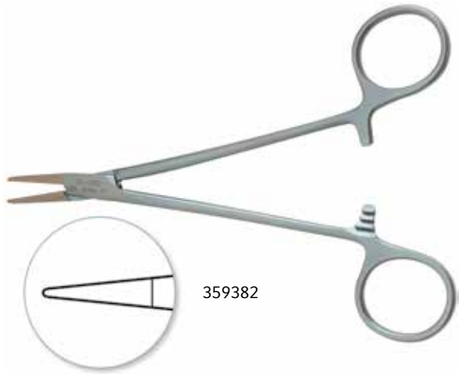
1800 teeth per square inch.

CATALOG #	DESCRIPTION
359080	16 x 1.8 mm jaw, 7-1/8" (18 cm), TC
359082	16 x 1.8 mm jaw, 8-3/4" (22 cm), TC

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

TITANIUM INSTRUMENTS
NEEDLE HOLDERS
Ring Handle Needle Holders

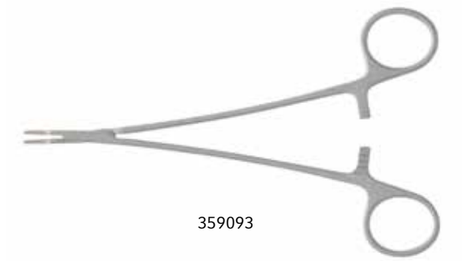
MICROVASCULAR TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
359382	1.8 mm jaw, 6" (16 cm)
359118	1.8 mm jaw, 7-1/4" (18.5 cm)
359119	1.8 mm jaw, 8" (20.5 cm)

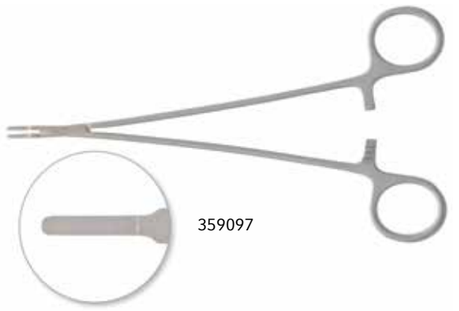
RYDER TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
359092	10 x 1.4 mm jaw, 6" (16 cm)
359093	10 x 1.4 mm jaw, 6-3/4" (17 cm)

RYDER TITANIUM RING HANDLE NEEDLE HOLDERS



7000 teeth per square inch.

CATALOG #	DESCRIPTION
359097	8 x 1.6 mm jaw, 8" (19.5 cm), TC

TITANIUM INSTRUMENTS
Retractors

FINOCHIETTO TITANIUM STERNAL RETRACTOR



CATALOG #	DESCRIPTION
359383	Arm length 52 mm

PEDIATRIC TITANIUM STERNAL SPREADER



CATALOG #	DESCRIPTION
359353	2 pairs of blades, spread 2" (5 cm), arm length 52 mm

RIB INSTRUMENTS

Rongeurs

DALE FIRST RIB RONGEUR



342142

CATALOG #	DESCRIPTION
342142	3 x 15 mm jaw, 14-1/2" (37 cm)

URSCHEL-LEKSELL RONGEUR



342143

Strong, double action rongeur.

CATALOG #	DESCRIPTION
342143	8.5 x 15 mm jaw, 12-1/4" (31 cm)

PILLING® RUSKIN RONGEUR



341836

CATALOG #	DESCRIPTION
341836	4 mm bite, 6-1/8" (15.5 cm)

RIB INSTRUMENTS

Rongeurs

PILLING® STILLE-LUER DUCKBILL RONGEUR



341803

CATALOG #	DESCRIPTION
341803	Angled, 5 mm wide jaw, 9" (23 cm)

SAUERBRUCH RONGEURS



342102

Double action. Square bite, straight jaws, 11-3/4" (30 cm).

CATALOG #	DESCRIPTION
342102	13 mm
342105P	17 mm
342107	20 mm

URSCHEL FIRST RIB RONGEUR



342141

Long, extra-heavy, pituitary-type rongeur to achieve complete removal of the neck and head of the first rib.

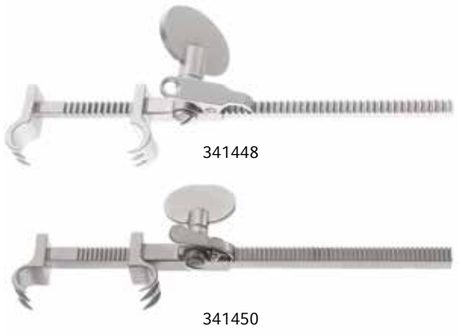
CATALOG #	DESCRIPTION
342141	5 x 12 mm jaw, working length 9" (23 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

RIB INSTRUMENTS

Approximators

BAILEY RIB APPROXIMATOR RETRACTORS



341448

341450

Rib approximation is brought about by engaging jaws around ribs and turning large thumb screw. Automatic ratchet holds blades in place. Non-glare finish stainless steel.

CATALOG #	DESCRIPTION
341448	Small size
341450	Regular, adult size

BAILEY-GIBBON RIB APPROXIMATOR RETRACTOR



341460

CATALOG #	DESCRIPTION
341460	Same as Bailey except for lengthening of arms holding the blades. This raises the body of the retractor up, away from the ribs. Non-glare finish, stainless steel.

Raspatories and Periosteal Elevators

ALEXANDER PERIOSTEOTOME



343145

Double-end, stainless steel blades. Cross-serrated handle.

CATALOG #	DESCRIPTION
343145	Standard model, 8-1/4" (21 cm)

RIB INSTRUMENTS

Raspatories and Periosteal Elevators

CUSHING BLUNT ELEVATOR



358344

CATALOG #	DESCRIPTION
358344	6 mm blunt blade, 7-1/4" (18.5 cm)

DOYEN RASPATORIES



343148



343153

Made in infant, child and adult sizes and in right and left side models. Stainless steel blades.

CATALOG #	DESCRIPTION
343148	Infant size, right side, 5-7/8" (15 cm)
343149	Infant size, left side, 5-7/8" (15 cm)
343152	Adult size, right side, 6-3/4" (17 cm)
343153	Adult size, left side, 6-1/2" (16.5 cm)

FREER DOUBLE-END ELEVATOR



355194

Pilling® Pattern, satin finish.

CATALOG #	DESCRIPTION
355194	Sharp and blunt, 7" (18 cm)

RIB INSTRUMENTS

Rib Shears/Sternum Cutters

BETHUNE RIB CUTTER



341950

Double-curved shafts. For all ribs including first rib.

CATALOG #	DESCRIPTION
341950	13-3/4" (35 cm)

CORYLLOS-BETHUNE RIB SHEARS



341960

With recessed points to protect brachial plexus.

CATALOG #	DESCRIPTION
341960	Right, 13-3/4" (35 cm)
341961	Left, 13-3/4" (35 cm)

ROOS FIRST RIB SHEAR



341985

A right angle rib shear for posterior resection of the first rib through the axillary approach. By proper placement of the shear far posteriorly on the first rib, the remaining stump will be so short that it will not require revision with rongeurs. This helps avoid possible injury to the brachial plexus.

CATALOG #	DESCRIPTION
341985	12-1/2" (32 cm)

RIB INSTRUMENTS

Rib Shears/Sternum Cutters

STILLE PATTERN RIB SHEARS



341980

CATALOG #	DESCRIPTION
341980	10-1/4" (26 cm)

LEBSCHE STERNUM KNIFE



342020

For splitting the sternum down the midline. Cross-serrated section is hit with mallet to provide cutting force. Recommended for use with the 11 oz Nylon Head Mallet (051525).

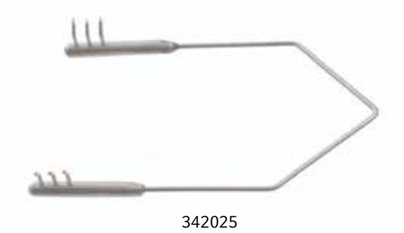
CATALOG #	DESCRIPTION
342020	9-7/8" (25 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Epicardial

PARSONNET EPICARDIAL RETRACTOR



342025

For retraction of the epicardial fat during coronary by-pass procedures. Miniature spring style retractor. For low-profile epicardial tissue retraction at coronary anastomosis site.

CATALOG #	DESCRIPTION
342025	3 x 3-pronged, 1-1/16" (27 mm) spread, 1-7/8" (4.5 cm) long

IMA

CHAUX MULTIPURPOSE STERNAL IMA RETRACTOR



341150

The Chaux Sternal Retractor is a unique instrument that can be used not only for routine midline sternotomy, but also for exposure and dissection of the left or right internal thoracic artery. In addition, accessory interchangeable parts consisting of a full set of mitral retracting blades are available to allow self-retaining retraction during valve surgery.

- Four sternal blades with individual and independent dual movement.
- Sliding sternal blade assemblies allow finite positioning of sternal blades on the horizontal planes of side arms.
- For upward elevation required during IMA dissection, both side arms can be rotated and locked at 30 degrees or 60 degrees along its axis.
- All components of retractor remain in sterile field.

CATALOG #	DESCRIPTION
341150	Spread 8" (20.5 cm) Blades 1-1/8" wide x 1-7/16" deep (2.5 x 3.5 cm), Arm length 12" (30.5 cm)

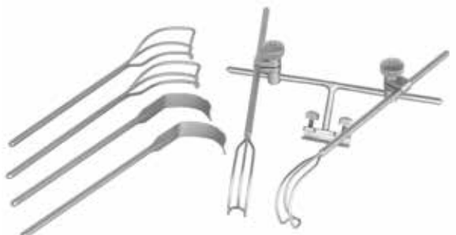
CVT RETRACTORS

IMA

CHAUX STERNAL IMA-MITRAL VALVE RETRACTOR



341155



341501



341520

Three retractors in one, can be used as a sternal/IMA and valve retractor. Includes four sternal blades with individual and independent dual movement. Sliding sternal blade assemblies allow movement on horizontal planes of side arms to provide proper position adjustment according to length of sternum. Both side arms can be rotated and locked at 30 degrees or 60 degrees along its axis for flexibility in positioning the retractor for IMA exposure. All components of the retractor remain in the sterile field. The valve retractor fits directly onto arms of the sternal blade assembly and provides self-retaining valve retraction. The Chaux Sternal IMA Valve Retractor when used for valve surgery consists of the basic Chaux Retractor with the addition of a Lemole-Pilling® Valve Retractor Set (341501) and Valve Sternal Blade Assembly (341149).

CATALOG #	DESCRIPTION
341155	Chaux Sternal/IMA Valve Retractor Set Spread: 9-1/8" (23 cm) Blade measure: 1-1/8" (2.5 cm) wide x 1-1/4" (3 cm) deep
341501	Lemole-Pilling® Valve Retractor Set #1 Set #1 fits Cooley and Chaux Sternal Retractors
341520	Universal Clamp for Lemole
341522	Cooley Atrial Retractor, small, 9-1/2" (24 cm)
341523	Cooley Atrial Retractor, medium, 9-1/2" (24 cm)
341524	Cooley Atrial Retractor, large, 9-1/2" (24 cm)
341525	Malleable Atrial Retractor, 8-3/4" (22 cm)
341147	Lemole-Pilling® Valve Retractor (341501) and Valve Sternal Blade Assembly (341149) (Part of 341155)



341522



341524



341523



341525

CVT RETRACTORS
IMA

CHAUX DEEP BLADE ASSEMBLY



341148

CATALOG #	DESCRIPTION
341148	1-3/4" (4.5 cm)

VALVE STERNAL BLADE ASSEMBLY



341149



341154

341156

CATALOG #	DESCRIPTION
341149	(Part of 341155)
341154	Chaux Sternal Assembly Thumb Screw
341156	Chaux Sternal Arm Take-up Screw

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS
IMA

COUËTIL IMA STERNAL RETRACTOR

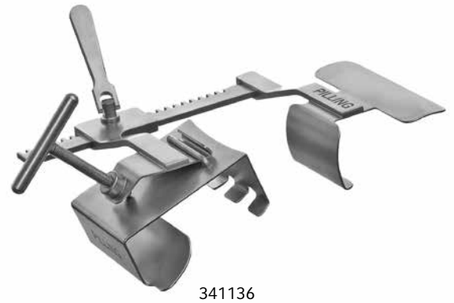


341139

All components remain in the sterile field, giving you exposure and set-up control.

CATALOG #	DESCRIPTION
341139	Ratcheted blades slide freely on retractor arm

PILLING® IMA RETRACTOR



341136

All components remain in the sterile field, giving you exposure and set-up control.

CATALOG #	DESCRIPTION
341136	Replaces 341134 Pilling® Bugge IMA Retractor

OCHSNER-FAVALORO IMPROVED RETRACTOR SET WITH RAIL CLAMPS



341120

For sternal retraction during internal mammary artery dissection. Rake retractors have screw-type handles for easier adjustment and blunt tips to help prevent injury to the sternum. Supplied with two Gomez/Poly-tract Rail Clamps (Catalog # 341114) for ease of assembly over sterile drapes.

CATALOG #	DESCRIPTION
341120	Consists of: 2 each retractor uprights, 1 each crossbar, 2 each screw-type rake assemblies and 2 each 341114 Gomez/Poly-tract Rail Clamps

CVT RETRACTORS
IMA

OCHSNER-FAVALORO RETRACTOR PARTS



CATALOG #	DESCRIPTION
341123	Captive Washer for Knob
341124	Micro Adjustable Rake and Arm
341126	Knob and Clamp Assembly
341127	Micro Adjust Knob
341129	Rake Assembly for Ochsner-Favaloro Self-Retaining Retractors 341120 and 341128

OCHSNER-FAVALORO RETRACTOR SET



341128

The Favaloro Retractor modified with screw-type handles for ease of adjustment of retraction, longer arms for ease of assembly and blunt tips to help prevent injury to the sternum.

CATALOG #	DESCRIPTION
341128	Supplied with one pair of rail clamps for most standard OR tables.

CVT RETRACTORS
IMA

RAIL CLAMPS



343393

To facilitate transfer of the retractor to opposite side of the table, we suggest an additional pair of rail clamps.

CATALOG #	DESCRIPTION
343393	One pair

CHEANVECHAI RAKE ASSEMBLY



341131

CATALOG #	DESCRIPTION
341131	May be used with any existing Pilling®-made Favaloro-type cross bars and uprights (included with the Strong Retractor)

CHEANVECHAI-FAVALORO SWIVEL RAKE ASSEMBLY



341133

CATALOG #	DESCRIPTION
341133	Same as 341131 except rakes swivel

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

IMA

STRONG T-BAR RETRACTOR SYSTEM



341100

Single post, table-mounted IMA Retractor with Cheanvechai-Favaloro Adjustable Rakes. (Shown with optional Retractor Light Beam, 163701.)

CATALOG #	DESCRIPTION
341100	Retractor System

STRONG T-BAR UNILATERAL SYSTEM COMPONENTS



341131



341114

CATALOG #	DESCRIPTION
341112	Strong support bar, table upright diameter 5/8" (1.5 cm)
341113	Strong T-Bar
341131	Cheanvechai-Favaloro Rake Assembly
341114	Rail Clamp for Strong T-Bar, 5/8" (1.5 cm)
166002	Set of four 341114 Rail Clamps

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

PREEMIE RETRACTOR



341312

The smallest Pilling® Chest Retractor. For premature infants less than 2 kg body weight.

CATALOG #	DESCRIPTION
341312	Spread 1-9/16" (4.0 cm) Fixed blades 5/16" deep x 1/4" wide (8 x 6.5 mm) Arm length 1" (2.5 cm)

DAVIS-FINOCHIETTO INFANT RETRACTOR



341290

Miniature size for use in infants. Especially valuable in surgery for tracheoesophageal fistula. Stainless steel.

CATALOG #	DESCRIPTION
341290	Spread 2-3/4" (7 cm) Blades 1/2" deep x 5/8" wide (1.3 x 1.5 cm) Arm length 2-1/16" (5 cm)

FINOCHIETTO RIB RETRACTOR



341302

Infant size, for newborn and tiny infants. Aluminum construction.

CATALOG #	DESCRIPTION
341302	Spread 2-3/4" (7 cm) Blades 1/2" deep x 5/8" wide (1.3 x 1.5 cm) Arm length 2-1/4" (6 cm)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

WILCOX PEDIATRIC CARDIAC RETRACTOR



341315

A miniature model of the Finochietto. Light construction, stainless steel.

CATALOG #	DESCRIPTION
341315	Spread 2-3/4" (7 cm) Blades 7/8" deep x 7/8" wide (2.2 x 2.1 cm)

AMATO NEONATAL STERNAL RETRACTORS



341303



341304

Selection of 3 sizes available for proper fit.

CATALOG #	DESCRIPTION
341303	Amato Retractor, 4 blade, small Swivel blades 3/8" wide x 3/8" deep (1 x 1 cm)
341304	Amato Retractor, 4 blade, medium Maximum spread 2-3/4" (7 cm) Swivel blades 1/2" wide x 1/2" deep (1.5 x 1.5 cm)
341305	Amato Retractor, 6 blade, large Spread 2-1/2" (6.5 cm) Swivel blades 1/2" wide x 1/2" deep (1.5 x 1.5 cm)



341305

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

DEBAKEY-TYPE CHILD RETRACTOR



341317

Lightweight aluminum arms and blades are finished to eliminate glare and curved to follow body contour. Rack is stainless steel.

CATALOG #	DESCRIPTION
341317	Spread 3-3/4" (9.5 cm) Blades 1-1/8" deep x 1-1/8" wide (3 x 3 cm) Arm length 3-1/8" (8 cm)

BURFORD-FINOCHIETTO INFANT-CHILD RETRACTOR



341250

Stainless steel. This retractor is equipped with interchangeable blades, an important feature that can eliminate the need for more than one spreader. Smaller-scaled and lighter weight than the adult size, it provides a 5-7/8" (15 cm) spread.

CATALOG #	DESCRIPTION
341250	Infant-Child Spread 5-7/8" (15 cm) Supplied with four pairs of stainless side blades: 1" deep x 15/16" wide (2.5 x 2.4 cm) 1-1/4" deep x 1-5/16" wide (3.2 x 3.3 cm) 1-1/4" deep x 1-3/4" wide (3.2 x 4.4 cm) 1-7/8" deep x 1-3/4" wide (4.9 x 4.4 cm) Arm length 4-1/4" (10.8 cm)

GERBODE-BURFORD CHILD RETRACTOR



341200

Stainless steel. Has same projection-free construction as adult models but is proportionally reduced to child size.

CATALOG #	DESCRIPTION
341200	Child Spread 5-15/16" (15 cm) Supplied with four pairs of side blades: 3/4" deep x 1" wide (1.9 x 2.5 cm) 1-1/16" deep x 1-1/4" wide (2.7 x 3.2 cm) 1-1/16" deep x 1-3/4" wide (2.7 x 4.4 cm) 1-7/8" deep x 1-3/4" wide (4.8 x 4.4 cm) Arm length 4-1/2" (11.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

HAIGHT BABY RETRACTOR

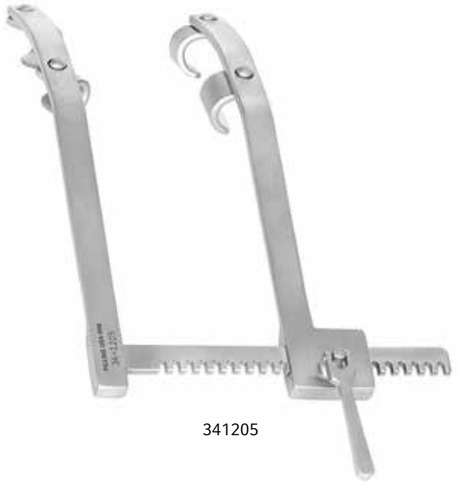


341296

Light construction. Spreader arms held apart by ratchet mechanism.

CATALOG #	DESCRIPTION
341296	Large Spread 4-3/4" (12 cm) Blades 1-3/8" deep x 1-1/8" wide (3.4 x 3 cm)

REPLOGLE INFANT STERNAL RETRACTOR



341205

Gently curved arms fit the natural contour of the infant sternum. Each blade swivels 45 degrees. 5-7/8" (15 cm) length arms place ratchet bar out of surgical field.

CATALOG #	DESCRIPTION
341205	Spread 2-15/16" (7.5 cm) Blades 5/8" deep x 1/2" wide (1.6 x 1.3 cm) Arm length 5-7/8" (15 cm)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

FINOCHIETTO RETRACTORS



341326



341328

The original model. Shafts curved to follow body contour. Non-glare finished stainless steel.

CATALOG #	DESCRIPTION
341326	Newborn size Spread 1-7/8" (4.9 cm) Blades 5/8" deep (1.5 cm) Straight arms
341328	Child size Spread 5-1/8" (13 cm) Blades 1-1/2" deep x 1-3/4" wide (3.8 x 4.4 cm) Arm length 5-1/4" (13.3 cm), curved arms
341330	Adult size Spread 7-1/2" (19 cm) Blades 2-1/8" deep x 2-5/8" wide (5.4 x 6.7 cm) Curved arms
341332	Adult size, large Spread 7-1/2" (19 cm) Blades 2-7/8" deep x 2-5/8" wide (7.3 x 6.7 cm) Curved arms



341330



341332

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

MORSE STERNAL RETRACTORS WITH DOUBLE BLADES



341158

For sternal-splitting incisions. The double blades help prevent the narrow split sternal halves from breaking in their mid-portion.

CATALOG #	DESCRIPTION
341158	Child, age 2-5 Spread 3-7/8" (10 cm) Blades 3/8" deep x 5/8" wide (1.1 x 1.5 cm)
341160	Child Spread 6" (15.2 cm) Blades 5/8" deep x 13/16" wide (1.6 x 2.1 cm) Arm length 5" (12.7 cm)
341162	Adult Spread 8" (20.3 cm) Blades 15/16" deep x 1-1/8" wide (2.4 x 2.9 cm) Arm length 6" (15.2 cm)



341160



341162

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

FAVALORO-MORSE STERNAL RETRACTORS



341163

CATALOG #	DESCRIPTION
341163	Adult, Short Spread 8" (20.3 cm) Blades 1-1/2" deep x 1-1/8" wide (3.8 x 2.8 cm) Arm length 6" (15.2 cm)
341164	Large Adult, Long Spread 8" (20.3 cm) Blades 1-1/2" deep x 1-1/8" wide (3.8 x 2.8 cm) Arm length 8-1/16" (20.5 cm)

COOLEY STERNUM RETRACTORS



341194



341195

CATALOG #	DESCRIPTION
341194	Adult Spread 6-1/2" (16.5 cm) Short blades 1-1/4" deep x 2-1/4" wide (3.2 x 5.7 cm) Arm length 5-3/4" (14.6 cm)
341195	Large Adult Spread 6-5/16" (16 cm) Long, concave blades 1-1/4" deep x 4" wide (3 x 10 cm) Arm length 6-1/2" (16.5 cm)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

DEBAKEY-TYPE CHEST RETRACTORS



341175



341177



341178

A group of three sizes, each supplied with 2 sets of curved aluminum blades for use with ribs or sternum. Blades attach by a simple slide arrangement without suture catching obstructions.

CATALOG #	DESCRIPTION
341175	Adult Spread 6-1/2" (16.5 cm) Blades 1-1/4" deep x 2-1/4" wide (3.2 x 5.7 cm) and 1-3/16" deep x 2-1/4" wide (3 x 5.7 cm)
341177	Adolescent Spread 5-1/2" (14 cm) Blades 1-1/4" deep x 1-1/8" wide (3.2 x 3 cm) and 1-3/4" deep x 1-1/8" wide (4.4 x 3 cm)
341178	Child Spread 3-7/8" (10 cm) Blades 1-1/4" deep x 1-1/8" wide (3.2 x 3 cm) and 1-1/2" deep x 1-1/8" wide (3.9 x 3 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

KUYPER-MURPHY STERNAL RETRACTORS



341397



341398

Straight arms. Concave blades.

CATALOG #	DESCRIPTION
341397	Small Spread 4-1/2" (11.5 cm) Blades 1-1/8" deep x 3-1/2" wide (3 x 9 cm)
341398	Medium Spread 6-5/16" (16 cm) Blades 1-3/16" deep x 3-1/2" wide (3 x 8.9 cm)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

RIENHOFF RETRACTORS



341362



341366

Stainless steel.

CATALOG #	DESCRIPTION
341362	Spread 5-7/8" (15 cm) Blades 1-1/8" deep x 1-1/4" wide (3 x 3.3 cm)
341366	Spread 5-1/2" (14 cm) Blades 2" deep x 1-3/4" wide (5 x 4.4 cm) Arm height 4-5/8" (11.7 cm)

TUFFIER RETRACTOR



341390

Scored blades.

CATALOG #	DESCRIPTION
341390	Spread 5-7/8" (15 cm) Blades 2-3/16" deep x 1-7/8" wide (5.6 x 4.8 cm) Arm length 4-1/2" (11.4 cm)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

BONCHEK-CARPENTIER STERNAL/ATRIAL VALVE RETRACTOR



341198

- Cooley-type Sternal Blades with shorter outward curve for easier insertion.
- Allows critical adjustment of the retractor blades to apply traction to the atrial wall.
- Both models are supplied with four atrial valve retracting blades, two narrow and two wide.

CATALOG #	DESCRIPTION
341198	Modified Carpentier-Type Sternal/Atrial Retractor Spread 6-7/8" (17.5 cm) Sternal blades 3-15/16" wide x 1-1/4" deep (10 x 3.2 cm)

BURFORD ADULT RETRACTOR



341225

Stainless steel. Shanks are curved to fit body contour and blades are detachable. Blades have protruding points to help prevent spreader from moving during operation. Two pairs of blades are supplied.

CATALOG #	DESCRIPTION
341225	Minimum Spread 7-1/2" (19 cm) Small blades 2-1/2" deep x 2-1/2" wide (6.5 x 6.5 cm) Large blades 3-1/4" deep x 2-5/8" wide (8.1 x 6.5 cm) Arm length 8-1/8" (20.5 cm)

BURFORD ALUMINUM ADULT RETRACTOR



341227

Two pairs of blades are supplied.

CATALOG #	DESCRIPTION
341227	Spread 6-7/8" (17.5 cm) Small blades 1-7/8" deep x 2-3/8" wide (4.7 x 6.1 cm) Large blades 2-1/2" deep x 2-3/8" wide (6.5 x 6.1 cm) Arm length 7-11/16" (19.4 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

FARRELL RUBIO RETRACTOR

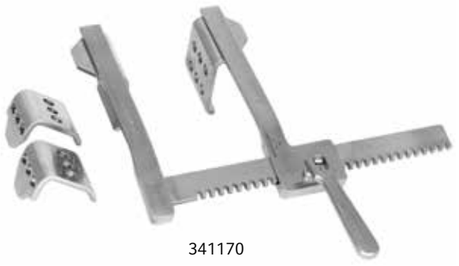


341224

Two sets of interchangeable blades.

CATALOG #	DESCRIPTION
341224	Adult Spread 7-1/2" (19 cm) Blades 1-5/8" deep x 2-5/8" wide (4.1 x 6.7 cm) and 2-1/2" deep x 2-5/8" wide (6.3 x 6.7 cm) Arms curved 50 degrees

GERBODE-BURFORD ADULT RETRACTOR



341170

Stainless steel. The lugs and springs holding the detachable blades in place are located on the underside of the spreader arms. This presents a smooth projection-free upper surface which will not catch sutures. Shanks are curved to fit body contour and blades are detachable. Two pairs of blades are supplied.

CATALOG #	DESCRIPTION
341170	Adult Spread 7-1/2" (19 cm) 2-1/8" deep x 2-5/8" wide (5.5 x 6.7 cm) and 2-7/8" deep x 2-5/8" wide (7.3 x 6.7 cm) Arm length 7-1/4" (18.4 cm)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

GERBODE STERNAL RETRACTORS



341180



341181

Provides retraction on a broad segment of sternum, thus helping to prevent pressure on soft tissues. Sternal fracture from the retractor is less likely to occur. The blades are of simple, smooth construction without protuberances to catch sutures. Blades place pressure on sternum but not on overlying soft tissue.

CATALOG #	DESCRIPTION
341180	Standard spread Spread 5-7/8" (15 cm) Blades 1-3/16" deep x 3-15/16" wide (3 x 10 cm)
341181	Wide spread Spread 7-3/4" (19.5 cm) Blades 1-3/16" deep x 3-15/16" wide (3 x 10 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

TRANSPLANT DONOR STERNAL RETRACTORS



341387



341389

Each Morse-Style Sternal Retractor blade has a prominent lip and a large spike to secure retractor in donor's sternum for maximum spread without slippage.

CATALOG #	DESCRIPTION
341387	Infant/Child Spread 4-3/8" (11 cm) Spiked blades 5/8" deep x 1/2" wide (1.4 x 1.3 cm)
341389	Adult Spread 7-1/2" (19 cm) Spiked blades 1-1/4" deep x 1" wide (3.2 x 2.5 cm)

HEITMILLER MINI THORACOTOMY RETRACTOR



341310

This retractor provides exposure for video-assisted thoracoscopy, open lung biopsies, transaxillary incisions and mid-CAB procedures in which mini-thoracotomy incisions are used. With its small "footprint," it also can be ideal for mobilizing lung adhesions during redo thoracotomies.

CATALOG #	DESCRIPTION
341310	Spread 3-1/8" (7.9 cm) Blades 5/8" wide (1.6 cm)

CVT RETRACTORS

Pilling® Sternal Retractor and Rib Spreader Dimensions

All dimensions are in centimeters. All dimensions are approximate.

AGE	CATALOG #	BLADE STYLE	MINIMUM SPREAD	BLADE DEPTH	BLADE WIDTH	ARM LENGTH
PREEMIE						
Preemie	341312	Rib, Single, Fixed	4.0	0.8	0.65	2.5
NEWBORN						
Finochietto	341326	Rib, Single, Fixed	4.9	1.5	1.5	5.5
Amato	341303	Sternal, 4 Swivel Blades	7.0	1.0	1.0	4.0
INFANT TO YOUNG CHILDREN						
Aluminum Finochietto	341302	Rib, Single, Fixed	7.0	1.3	1.5	5.5
Amato Medium	341304	Sternal, 4 Swivel Blades	7.0	1.4	1.3	5.9
Amato Large	341305	Sternal, 6 Swivel Blades	7.0	1.4	1.3	9.0
Davis-Finochietto	341290	Rib, Single, Fixed	7.0	1.3	1.5	5.0
DeBakey-type-Finochietto	341315	Rib, Single, Fixed	7.0	2.2	2.1	6.0
Replogle	341205	Sternal, 4 Swivel Blades	7.5	1.6	1.3	15.0
Aluminum DeBakey-type	341317	Rib, Single, Fixed	9.5	3.0	3.0	8.0
Morse	341158	Sternal, 4 Swivel Blades	10.0	1.1	1.5	9.0
Transplant Donor	341387	Sternal, 4 Swivel, Spiked	11.0	1.4	1.3	9.5
Haight Large	341296	Rib, Single, Fixed	12.1	3.4	3.0	9.0
OLDER CHILD 6-10 YEARS						
DeBakey-type	341178	Rib, Single, Interchangeable	10.0	3.2	3.0	8.0
Burford-Finochietto	341250	Rib, Single, Interchangeable	15.0	2.5	2.4	10.8
Morse	341160	Sternal, 4 Swivel Blades	15.2	1.6	2.1	12.7
ADOLESCENT						
Kuyper-Murphy Small	341397	Sternal, Fixed	11.5	3.0	9.0	13.5
Finochietto	341328	Rib, Single, Fixed	13.0	3.8	4.4	13.3
MIXED						
Gerbode-Burford	341200	Rib, Single, 4 Interchangeable Blades	15.0	1.9	2.5	11.5
SMALL ADULT						
Rienhoff	341366	Rib, Single, Fixed	14.0	5.0	4.4	11.7
DeBakey-type	341177	Rib/Sternal, Interchangeable	14.0	3.2	3.0	13.0
Rienhoff Medium	341362	Rib, Single, Fixed	15.0	3.0	3.3	9.0
Tuffier	341390	Rib, Single, Fixed	15.0	5.6	4.8	11.4
Kuyper-Murphy Medium	341398	Sternal, Fixed	16.0	3.0	8.9	16.0

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Pilling® Sternal Retractor and Rib Spreader Dimensions

All dimensions are in centimeters. All dimensions are approximate.

AGE	CATALOG #	BLADE STYLE	MINIMUM SPREAD	BLADE DEPTH	BLADE WIDTH	ARM LENGTH
ADULT						
Gerbode	341180	Sternal, Fixed	15.0	3.0	10.0	23.0
Cooley	341194	Sternal, Fixed	16.5	3.2	5.7	14.6
Aluminum Burford	341227	Rib, Single, Interchangeable	17.5	4.7	6.1	19.4
DeBakey-type	341175	Rib/Sternal, Interchangeable	18.5	3.2	5.7	18.0
Finochietto	341330	Rib, Single, Fixed	19.0	5.4	6.7	15.0
Burford	341225	Rib, Single, Interchangeable	19.0	5.4	6.2	19.5
Gerbode-Burford	341170	Rib, Single, Interchangeable	19.0	5.5	6.7	18.4
Farrell Rubio	341224	Rib/Sternal, Interchangeable	19.0	4.1	6.7	17.0
Adult Transplant Donor	341389	Sternal, Fixed, Spiked	19.0	3.2	2.5	15.0
Morse	341162	Sternal, 4 Swivel Blades	20.3	2.4	2.9	15.2
Favaloro-Morse	341163	Sternal, 4 Swivel Blades	20.3	3.8	2.8	15.2
Chaux	341150	Sternal/IMA, 4 Swivel Blade	20.3	3.7	2.7	20.0
Chaux-Lemole	341155	Sternal/IMA, 4 Swivel Blade, Valve Retractors	23.2	3.0	2.7	20.0
LARGE ADULT						
Cooley	341195	Sternal, Fixed	16.0	3.2	10.2	16.5
Bonchek-Carpentier	341198	Sternal, Fixed	18.5	3.2	10.0	16.0
Finochietto Large	341332	Rib, Single, Fixed	19.0	7.3	6.7	18.0
Gerbode	341181	Sternal, Fixed	19.5	3.0	10.0	23.0
Favaloro-Morse	341164	Sternal, 4 Swivel Blades	20.3	3.8	2.9	20.3

CVT RETRACTORS

Sternal Closure

PILLING®-WOLVEK STERNAL APPROXIMATION AND FIXATION SYSTEM



342002



342004



342006



142550

The Wolvek System with its unique crimping suture locking device affords positive, secure sternal approximation and can eliminate problems associated with twisted wire.

Low Profile Stainless Steel Locking Plate:
- Eliminates need for twisting wire.
- More secure closure, crimped plates have at least twice the tensile strength of twisted wire.
- Eliminates chance of wire breakage associated with twisting action.
- Reduced chance of skin perforation due to elimination of twisted wire ends.

Sternal Approximator:
- Allows constant tension to be applied as each wire is tightened and locked.
- Provides rigid fixation which will lessen the motion between the edges of the sternum, which has the potential to hasten healing and provide more patient comfort.

CATALOG #	DESCRIPTION
342002	Sternal Approximator
342004	Locking Plate Crimper
342006*	Locking Plates (suture not included) 8 plates per package (10 packages per box). Use only 316L stainless steel sternal closure #5 wire (B&S Gage 20). Suture wire of unknown origin or type may not be metallurgically compatible with the locking plates.
142550	Pilling® Stainless Steel Wire Cutter, 6-7/8" (17.5 cm)
343030	Berry Sternal Needle Holder, 7-3/4" (19.5 cm), TC

*Not available in Canada

CVT RETRACTORS

Sternal Closure

KIRKLIN STERNAL AWLS



342043

342044

For use in wiring the sternum. Wrench included.

CATALOG #	DESCRIPTION
342043	Working length 2" (5 cm), 7-1/8" (18 cm)
342044	Needle only for Kirklin awl, 2-3/4" (7 cm)

SWEET MODIFIED STERNAL PUNCH



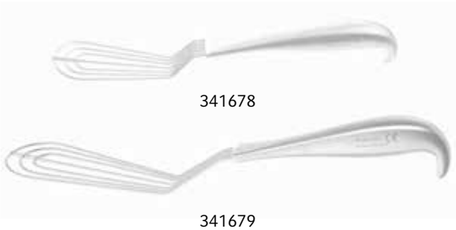
342040

Perforating blade is hook-shaped to bring suture material back through hole. Non-glare finished stainless steel.

CATALOG #	DESCRIPTION
342040	10" (25.5 cm)

Hand-Held

ALLISON LUNG RETRACTORS



341678

341679

Wire, spatula-shaped blade.

CATALOG #	DESCRIPTION
341678	Child size, 10-1/4" (26 cm)
341679	Adult Size, 12-3/8" (31.5 cm)

CVT RETRACTORS

Hand-Held

CUSHING DECOMPRESSION RETRACTOR



481220

CATALOG #	DESCRIPTION
481220	21 x 10 mm blade, 8-1/8" (20.5 cm)

CUSHING NERVE AND VEIN RETRACTOR



164865

Pilling® Pattern, satin finish.

CATALOG #	DESCRIPTION
164865	12 mm wide blade, 8-1/2" (21.5 cm)

CUSHING NERVE AND VEIN RETRACTORS



481230

481231

Weck® Pattern, bright finish.

CATALOG #	DESCRIPTION
481230	16 x 15 mm blade, 8-5/8" (22 cm)
481231	14.5 x 15 mm blade, 12-3/4" (32.5 cm)

CVT RETRACTORS

Hand-Held

DAVIDSON SCAPULA RETRACTORS


341650

CATALOG #	DESCRIPTION
341650	Small size, blade 2" (5 cm) wide, 7-3/4" (19.5 cm)
341651	Large size, blade 3-1/2" (9 cm) wide, 7-3/4" (19.5 cm)

HAIGHT RETRACTORS


341694

Malleable “T”-shaped blades. For abdominal and intra-thoracic surgery.

CATALOG #	DESCRIPTION
341690	3" wide x 11-1/2" long (7.5 x 29 cm)
341692	3-1/2" wide x 11-3/4" long (9 x 30 cm)
341694	4" wide x 12" long (10 x 30.5 cm)
341696	4-3/4" wide x 12-3/4" long (12 x 32.5 cm)
341698	5-1/2" wide x 13-1/2" long (14 x 34.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Hand-Held

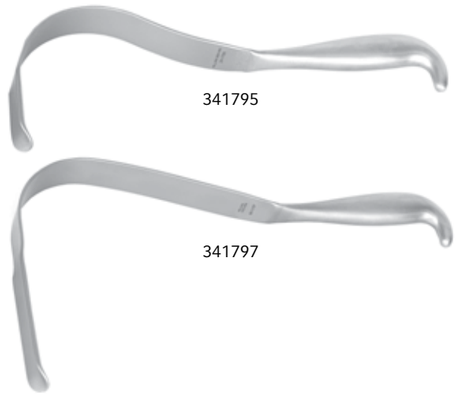
ROOS BRACHIAL PLEXUS ROOT RETRACTOR


341992

To help protect the T-1 cervical root from trauma by the rib shears or other instruments during posterior resection of the first rib. 14-1/4" (36 cm) length, 10" (25.5 cm) working length.

CATALOG #	DESCRIPTION
341992	Angled, 13.5 mm wide blade

WYLIE RENAL VEIN RETRACTORS


341795

341797

For the retraction of the left renal vein during procedures on the abdominal aorta or renal arteries. Gently curved distal tip for atraumatic control. Stainless steel.

CATALOG #	DESCRIPTION
341795	Short, 1" wide x 3-3/4" deep (2.5 x 9.5 cm) blade, 11-3/4" (30 cm)
341797	Long, 1" wide x 6-7/8" deep (2.5 x 17.5 cm) blade, 12-3/4" (32.5 cm)

CVT RETRACTORS

Henly-Type Retractors

PILLING® MULTIPURPOSE RETRACTORS



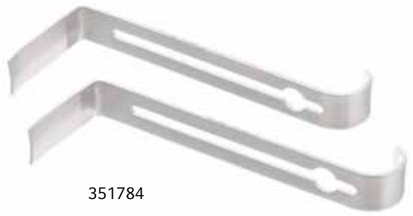
351666
351667
351668



351669
351670
351671



351675



351784

A versatile, self-retaining Henly-type retractor for use in the following surgical specialties: peripheral vascular surgery in the carotid, subclavian, femoral, popliteal and tibial regions. General surgery for inguinal hernia, appendectomy and many minor procedures.

CATALOG #	DESCRIPTION
351666	Side blade 1-1/8" x 7/8" (3 x 2 cm) for 351675
351667	Side blade 2-1/8" x 7/8" (5.5 x 2 cm) for 351675
351668	Side blade 3-1/8" x 7/8" (8 x 2 cm) for 351675
351669	Center blade, 7/8" x 5/8" (2 x 1.5 cm) for 351675
351670	Center blade, 1-1/8" x 5/8" (3 x 1.5 cm) for 351675
351671	Center blade, 1-1/4" x 5/8" (3 x 1.5 cm) for 351675
351672	Center blade, 2" x 5/8" (5 x 1.5 cm) for 351675
351673	Center blade, 2-1/2" x 5/8" (6.5 x 1.5 cm) for 351675
351675	Pilling® Multipurpose Retractor, complete with: • 1 Frame with 3-1/8" (7.8 cm) spread • 3 Center Blades in sizes 7/8" (2.2 cm), 1-1/8" (2.8 cm), 1-1/4" (3.2 cm) deep x 5/8" (1.6 cm) wide • 3 pair of Side Blades 1-1/8" (2.9 cm), 2-1/8" (5.5 cm), and 3-1/8" (8.0 cm) deep x 7/8" (2.2 cm) wide • Self-retaining, with interchangeable center and side blades. Ball-snap attachment of side blades. Swivel side blades rotate 360 degrees.
351784	Two Extra Long Center Blades Sizes 1-1/2" (3.8 cm) and 1-3/4" (4.5 cm) deep x 5/8" (1.6 cm) wide Fits all Henly and Multipurpose Retractors

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CVT RETRACTORS

Henly-Type Retractors

IMPROVED HENLY RETRACTORS



351679



351680

With interchangeable center blades and side blades.

CATALOG #	DESCRIPTION
351679	Henly Retractor with straight arms, side blades slide onto arms, complete with blades
351680	Henly Retractor with arms spread outward. Both are complete with: 1 Frame 3 Center Blades in size 3/4" (2.2 cm), 1" (2.5 cm), 1-1/4" (3.2 cm) deep x 5/8" (16 mm) wide 1 Pair Side Blades, blunt prongs, 7/8" (2.2 cm) wide by 2" (5.1 cm) deep 1 Pair Side Blades, blunt prongs, 7/8" (2.2 cm) wide by 3" (7.6 cm) deep

IMPROVED HENLY RETRACTOR SIDE BLADES



341676

Shallow, medium and deep interchangeable sliding side blades.

CATALOG #	DESCRIPTION
351676	1 pair, 1" x 7/8" (2.5 x 2 cm)
351677	1 pair, 2" x 7/8" (5 x 2 cm)
351678	1 pair, 3" x 7/8" (7.5 x 2 cm)

CVT RETRACTORS

Henly-Type Retractors

MAINI SIDE BLADE FOR IMPROVED HENLY RETRACTOR



351661

CATALOG #	DESCRIPTION
351661	2-3/4 x 2" (7 X 5 cm), slide-on

MAINI RICHARDSON DOUBLE-ENDED CENTER BLADE FOR HENLY RETRACTOR



351664

CATALOG #	DESCRIPTION
351664	Blade ends are 31 mm and 40 mm wide

ORIGINAL HENLY POPLITEAL RETRACTOR



351779

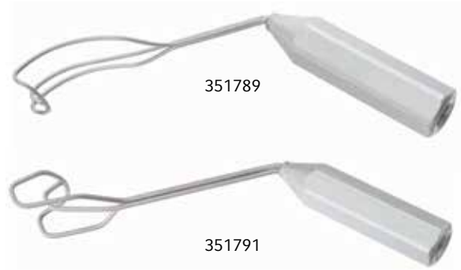
A modification of the Weitlaner Retractor with provisions for attachment of a third retractor blade for improved exposure in either the popliteal or carotid positions. Supplied with 3 center blades. The retraction surfaces of the center blades are grooved for soft tissue retraction.

CATALOG #	DESCRIPTION
351779	4 x 3 prongs, center blades: 5/8" wide x 3/4" deep (1.5 x 2 cm), 5/8" wide x 1" deep (1.5 x 2.5 cm), 5/8" wide x 1-1/4" deep (1.5 x 3 cm), overall length 6-3/8" (16 cm)

VALVE INSTRUMENTS

Valve Retractors

COOLEY MITRAL VALVE RETRACTORS



351789

351791

To provide optimum exposure of the mitral valve, particularly for complete valve replacement.
The wire frame blades are shaped to help solve exposure problems in the approach from a right or left thoracotomy and are therefore available as Right and Left Retractors.

CATALOG #	DESCRIPTION
351788	Right, small blade width 7/8" (2 cm), depth 1/2" (1.5 cm), overall length 7-1/4" (18.5 cm)
351789	Right, medium blade width 1-3/8" (3.5 cm), depth 3/4" (2 cm), overall length 7-1/2" (19 cm)
351790	Right, large blade width 1-7/8" (4.5 cm), depth 1-3/8" (3.5 cm), overall length 7-3/8" (19 cm)
351791	Left, large blade width 1-7/8" (4.5 cm), depth 3/8" (1 cm), overall length 8-7/8" (22.5 cm)

PEDIATRIC UNIVERSAL CLAMPS



341531

CATALOG #	DESCRIPTION
341531	Set of 2

CRAWFORD AORTIC RETRACTORS



351774

To retract aortic incision exposing aortic valve in replacement operation. Incision is made about an inch beyond the heart, about halfway around the circumference of the aorta. This retractor retracts the lower lip, exposing the valve.

CATALOG #	DESCRIPTION
351773	Small, blade 15 mm wide x 20 mm deep, 7-3/8" (18.5 cm)
351774	Large, blade 22 mm wide x 20 mm deep, 7-7/8" (20 cm)

VALVE INSTRUMENTS

Valve Retractors

REVUELTA GARCIA VALVE LEAFLET RETRACTOR



CATALOG #	DESCRIPTION
351747	8" (20.5 cm) working length

VALVE INSTRUMENTS

Valve Retractors

LEMOLE-PILLING® VALVE RETRACTOR


341506


341511


341512


341513


341520


341522


341523

Provides self-retaining valve retraction. Fits directly onto arms of many types of sternal retractors. The T-Frame cross bar attaches to the sternal retractor by means of a “C” clamp. 8" (20.3 cm) T-Frame cross bar allows for addition of valve retractor blades without removing previously placed blades, using universal clamps. Set includes 6 valve retracting blades and 2 universal clamps. Various size blades available for any size atrium. Choose the compatible set that fits your current retractor system.

CATALOG #	DESCRIPTION
341501	Lemole-Pilling® Valve Retractor Set #1 Fits Cooley and Chaux Sternal Retractors
341502	Lemole-Pilling® Valve Retractor Set #2 Fits Morse-style Retractors
341503	Lemole-Pilling® Valve Retractor Set #3 Fits Ankeney Retractor
341506	Lemole-Pilling® Valve Retractor Set #1 with Cooley Retractor (341195)
341511*	Lemole-Pilling® T-Frame #1 only
341512*	Lemole-Pilling® T-Frame #2 only
341513*	Lemole-Pilling® T-Frame #3 only

COMPLETE SET INCLUDES		QTY.
341520	Universal Clamp for Lemole	2
341522	Cooley Atrial Retractor, small, 9-1/2" (24 cm)	2
341523	Cooley Atrial Retractor, medium, 9-1/2" (24 cm)	1
341524	Cooley Atrial Retractor, large, 9-1/2" (24 cm)	1
341525	Malleable Atrial Retractor, 8-3/4" (22 cm)	2
341511, 341512, or 341513	T-Frame only for type #1, #2 and #3	1

*Not available in Canada

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VALVE INSTRUMENTS

Valve Retractors

CHAUX-LEMOLE BI-ANGLE T-FRAME



341514

Bi-Angle T-Frame, for additional third point atrial retraction during mitral valve surgery, fits Cooley-style and Chaux Retractors.

CATALOG #	DESCRIPTION
341514	Arm tip maximum diameter 0.252", overall width 9-7/8" (25 cm)

LEMOLE SELF RETAINING ATRIAL RETRACTOR



351783

To eliminate the need for an assistant when retracting the left atrium during mitral valve repair or replacement. Will attach to most standard chest retractors.

CATALOG #	DESCRIPTION
351783	10-1/2" (26.5 cm)

VALVE INSTRUMENTS

Valve Retractors

LEMOLE SIDE ARM EXTENSION



341515

CATALOG #	DESCRIPTION
341515	For third point atrial retraction during mitral valve surgery, fits Cooley-style and Chaux Retractors.

ABLAZA-BLANCO CARDIAC VALVE RETRACTOR



351763

Notched to help prevent slippage in use.

CATALOG #	DESCRIPTION
351763	Angulated, blade 9/16" (1.5 cm) wide, 13" (33 cm)

BLANCO VALVE INSTRUMENTS



351750

351752

351754

351755

Long, slender shaft retractors with small, thin blades for use on heart valves. The “spreader” is a fenestrated retractor that allows the insertion of the scissors blades. All have a finger rest on a knurled handle. Working length of shaft is 7-1/16" (18 cm).

CATALOG #	DESCRIPTION
351750	Blanco Retractor, blade 5 mm wide x 7 mm deep, 11-1/2" (29 cm)
351752	Blanco Retractor, blade 7 mm wide x 7 mm deep, 11" (28 cm)
351754	Blanco Retractor, Cushing type, blade 12 mm wide x 7 mm deep, 11" (28 cm)
351755	Blanco Valve Spreader, blade 9 mm wide x 10 mm deep, 11-1/2" (29 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VALVE INSTRUMENTS

Suture Rings

CRAWFORD SUTURE RING



352598

Affords a convenient method of retaining sutures in mitral and aortic valve replacement.

CATALOG #	DESCRIPTION
352598	Diameter 10" (25.5 cm)

GRUNWALD SUTURE GUIDE HOLDER



342015

The Grunwald Suture Guide Holder, when used with a Gabbay-Frater™ Suture Guide from Teleflex, affords a convenient method of keeping numerous sutures properly aligned during cardiac valve replacement procedures. The holder can be positioned directly over the sternotomy retractor. Three spring clips on the underside of the holder secure it to the surgical drapes. Three sterile, disposable Gabbay-Frater™ Suture Guides may be placed on the retaining posts of the holder either before or after placement of the holder over the sternotomy. The Grunwald Holder provides a flat, constant and secure surface for the suture guides and speeds placement by eliminating the need for using numerous towel clips that can also tend to clutter the operative field. The Grunwald Suture Guide Holder is made of stainless steel.

CATALOG #	DESCRIPTION
342015	13-1/4" (33.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VALVE INSTRUMENTS

Aortic Valve Rongeurs

BAILEY AORTIC VALVE RONGEURS



352800

352802

352806

352808

352810

For the removal of calcified material from the stenotic aortic valve and in peripheral vascular surgery for trimming stenotic arteries and plaque removal. They are in six styles but all have the same 3.5 mm wide-bite. Working length 5-1/8" (13 cm).

CATALOG #	DESCRIPTION
352800	Straight biting
352802	Slight downward angle (25 degrees)
352804	Acute downward angle (70 degrees)
352806	Right downward angle (90 degrees)
352808	Angled to left side (45 degrees)
352810	Angled to right side (45 degrees)

VALVE INSTRUMENTS

Valve Hooks

CARDIAC VALVE HOOK, CALIBRATED



351749

CATALOG #	DESCRIPTION
351749	9-3/4" (24.5 cm), 10 mm hook

COARCTATION HOOK



355175

Stainless steel.

CATALOG #	DESCRIPTION
355175	Right angle bend, blunt tip, 7 mm hook, 10-1/8" (25.5 cm)

DEBAKEY-TYPE VALVE HOOK



351785

Slender shaft, sharp-pointed hooks used to aid in manipulation of valves in replacement operations.

CATALOG #	DESCRIPTION
351785	3/8" (8.5 mm) hook, 12-1/2" (31.5 cm)

VALVE INSTRUMENTS

Valve Hooks

MICRO VASCULAR NERVE HOOK



357532

CATALOG #	DESCRIPTION
357532	Micro hook, small, 7-1/4" (18.5 cm)

SISSON NERVE HOOK



060120

CATALOG #	DESCRIPTION
060120	90 degree angled, blunt, 6 mm hook, 6-1/8" (15.5 cm)

REVUELTA-GARCIA VALVE MIRROR



351737

CATALOG #	DESCRIPTION
351737	9" (23 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VALVE INSTRUMENTS

Valve Dilators

GERBODE VALVE DILATOR



For retrograde fracture of the mitral valve through a small incision in the apex of the left ventricle. It has a regulating screw so that the mitral valve can be gradually fractured. May also be used for fracture of the aortic and pulmonary valves.

CATALOG #	DESCRIPTION
352615	Blades adjustable, opening to 1-3/4" (4.5 cm) wide

TUBBS VALVE DILATOR



CATALOG #	DESCRIPTION
352630	Maximum blade opening 1-3/4" (4.5 cm) wide

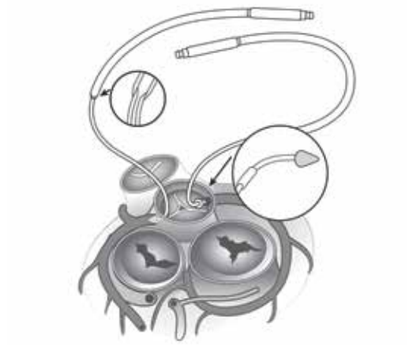
VALVE INSTRUMENTS

Coronary Perfusion Catheters

JEHLE STERILE CORONARY CATHETERS



351476



For aortic valve surgery and any cardiac or thoracic surgery requiring cardioplegia infusion directly into the coronary ostium or vein by-pass graft. Catheter is secured in the coronary ostium of the graft lumen due to the compression/expansion of the foam cuff, eliminating the need to suture catheter in position.

- Soft, tapered polyurethane foam cuff on distal end of catheter.
- Malleable, twisted stainless steel wire incorporated into distal end of catheter.
- Flexible silicone tubing.
- Pre-packaged sterile, for single use only.

CATALOG #	QUANTITY	OVERALL LENGTH	CUFF SIZE DIAMETER	CATHETER DIAMETER (ID/OD)
351470*	Box of 5	20-1/4" (51.5 cm)	9/32" (7.1 mm)	1.14/2.54 mm
351472*	Box of 5	20-1/4" (51.5 cm)	11/32" (8.7 mm)	1.14/2.54 mm
351474*	Box of 5	20-1/4" (51.5 cm)	13/32" (10.3 mm)	1.73/3.45 mm
351476*	Box of 5	20-1/4" (51.5 cm)	15/32" (11.9 mm)	1.73/3.45 mm

NICHOLAS-JEHLE STERILE MULTI-HEADED PERFUSION CATHETER



351490

Incorporates all four Jehle catheter/cuff sizes on one common catheter.

CATALOG #	DESCRIPTION
351490*	Box of 5

*Not available in Canada

AORTIC PUNCHES

Providing surgeons with the precise performance they demand during CABG surgery

Premium Diamond Edge Aortic Punches from Teleflex

FREE-FLOAT CUTTING ACTION TECHNOLOGY

By allowing the diamond edge blade to “float” around the punch core during operation, alignment is maintained to help prevent mechanical jamming. One punch can be used to create multiple punches in a single procedure.

DUAL-CUTTING ACTION

Two diamond-sharp cutting surfaces lift and cleanly cut through all layers of tough tissue. The smooth cutting action reduces trauma while the tapered distal portion increases visibility around the anastamotic site.

PREMIUM DIAMOND-EDGE AORTIC PUNCH, FULL LENGTH



DP-48K

CATALOG #	DESCRIPTION	SIZE	QUANTITY
DP-28K	Full Length Sterile (7-3/4" Handle)	2.8 mm	6
DP-36K	Full Length Sterile (7-3/4" Handle)	3.6 mm	6
DP-40K	Full Length Sterile (7-3/4" Handle)	4.0 mm	6
DP-44K	Full Length Sterile (7-3/4" Handle)	4.4 mm	6
DP-48K	Full Length Sterile (7-3/4" Handle)	4.8 mm	6
DP-52K	Full Length Sterile (7-3/4" Handle)	5.2 mm	6
DP-56K	Full Length Sterile (7-3/4" Handle)	5.6 mm	6
DP-60K	Full Length Sterile (7-3/4" Handle)	6.0 mm	6

PREMIUM DIAMOND-EDGE AORTIC PUNCH, MID-LENGTH



MDP-48K

CATALOG #	DESCRIPTION	SIZE	QUANTITY
MDP-28K	Mid-Length Sterile (6-3/4" Handle)	2.8 mm	6
MDP-36K	Mid-Length Sterile (6-3/4" Handle)	3.6 mm	6
MDP-40K	Mid-Length Sterile (6-3/4" Handle)	4.0 mm	6
MDP-44K	Mid-Length Sterile (6-3/4" Handle)	4.4 mm	6
MDP-48K	Mid-Length Sterile (6-3/4" Handle)	4.8 mm	6
MDP-52K	Mid-Length Sterile (6-3/4" Handle)	5.2 mm	6
MDP-56K	Mid-Length Sterile (6-3/4" Handle)	5.6 mm	6
MDP-60K	Mid-Length Sterile (6-3/4" Handle)	6.0 mm	6

AORTIC PUNCHES

Reusable Punches

WYLIE CALCIFIED ARTERIAL PUNCH


352825

CATALOG #	DESCRIPTION
352825	Punches 1.3 mm hole, 8" (20.5 cm)

HEPARIN CANNULAE

HEPARIN CANNULA WITH LUER-LOK®


351560


351573


351574


351575

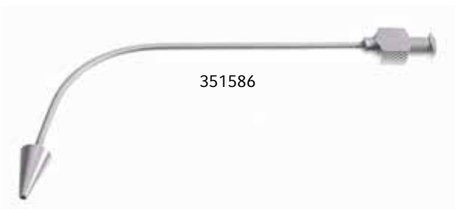

351576

A complete line of stainless steel, reusable heparin cannulae. A selection of sizes, shapes and lengths provides for a variety of uses in flushing, irrigation and injection.
Applications include peripheral vascular, cardiac, general, orthopedic, urology and neuro surgery.

CATALOG #	DESCRIPTION
351560	Stoney Heparin Injector 1-7/8" (4.5 cm)
351573	Zanger Heparin Cannula, malleable, 4 mm tip, 2-1/2" (6.5 cm)
351574	Horsely Heparin Cannula, 2-3/8" (6 cm)
351575	DeBakey Heparin Cannula, malleable, 3 mm tip, 2-1/2" (6.5 cm)
351576	DeBakey Heparin Cannula, malleable, 3.7 mm tip, 2-7/8" (7.5 cm)
351577	DeBakey Heparin Cannula, malleable, 4 mm tip, 6" (15 cm)
351578	23 gauge tip, 2-1/8" (5.5 cm)
351586	Garrett Heparin Injector, malleable, 5/16" (8 mm) tip, working length 3" (7.5 cm)
351587	Garrett Heparin Injector, malleable, 1/2" (12 mm) tip, working length 3" (7.5 cm)
351593	Samson Heparin Injector, malleable, small 7 mm tip, 3-3/8" (8.5 cm)
351594	Samson Heparin Injector, malleable, medium 9 mm tip, 3-3/8" (8.5 cm)


351577


351578


351586


351587


351593


351594

Luer-Lok is a U.S. registered trademark of Becton, Dickinson and Company.

SUCTION TUBES

ANDREWS INFANT SUCTION TUBE


162310

6 mm diameter tip, permanently attached.

CATALOG #	DESCRIPTION
162310	9-1/4" (23.5 cm)

ANDREWS PYNCHON SUCTION TUBE


536220

CATALOG #	DESCRIPTION
536220	Curved, 6 mm tip, 3 mm diameter removable shaft, 9-5/8" (24.5 cm)

MORSE-ANDREWS SUCTION TUBE


351505

Short length, small 3 mm outside diameter tube, terminating in 6 mm diameter tip which has one distal and four side openings. Handle is ebonized.

CATALOG #	DESCRIPTION
351505	10-1/4" (26 cm)

COOLEY SUMP SUCTION TUBE


351547

Long, removable perforated outer tube with internal extension provides for fluid removal by sump-drain principle. Entire tube removable from handle for cleaning and rotatable for convenience.

CATALOG #	DESCRIPTION
351547	Curved, 9 mm tip, 12-7/8" (32.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SUCTION TUBES

DEBAKEY-TYPE SUCTION TUBES



351500



351501



351502

Small diameter, curved tubes with finger valve control.

CATALOG #	DESCRIPTION
351500	9.5 mm tip, 11-3/8" (29 cm)
351501	DeBakey-type Suction Tube Tip for 351500, 3/8" (9.5 mm)
351502	3 mm diameter tip, 12-1/4" (31 cm)

DEBAKEY-TYPE-ADSON CORONARY SUCTION TUBES



351506

Distal opening with four side openings 3 mm long, 4 mm diameter.

CATALOG #	DESCRIPTION
351504	6-1/8" (15.5 cm)
351506	8-1/8" (20.5 cm)

BONNIER CATHETER ADAPTER



507335

For attachment of catheters to Luer Tip Syringes.

CATALOG #	DESCRIPTION
507335	Large lumen

SUCTION TUBES

LUER-LOK® CATHETER ADAPTER

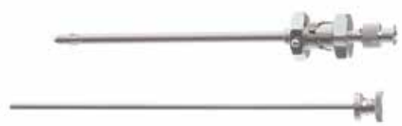


507336

For attachment of catheters to Luer-Lok® Syringes.

CATALOG #	DESCRIPTION
507336	Small lumen, 1-1/2" (4 cm)

ABRAMS PLEURAL BIOPSY NEEDLE



343295

Inner cannula acts as a guillotine to cut and retain specimen. Luer-Lok® Syringe Fitting.

CATALOG #	DESCRIPTION
343295	Needle, with trocar point, 13 gauge needle, 5-3/8" (13.5 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VASCULAR DILATORS

Amato Design

AMATO PEDIATRIC DILATORS SET



352705

During the repair of complex congenital heart disease, the surgeon is required in many instances to locate orifices, trace the course of abnormal vessels, and perform various maneuvers of dilation and measurement of annulus or lumen diameters. In infants and children, the heart is usually confined within a small mediastinal space, precluding the use of adult-sized instruments.

CATALOG #	DESCRIPTION
352705	Complete set of 10 with case. Tip lengths size 6-20 mm, handle and shaft lengths 6-1/2" (16.5 cm)

Cooley Design

COOLEY DILATORS



355315

5" (12.5 cm) long, aluminum handle.

CATALOG #	DESCRIPTION
355315	Set of 6, malleable aluminum shafts
355309	0.5 mm
355310	1.0 mm
355311	1.5 mm
355312	2.0 mm
355313	2.5 mm
355314	3.0 mm

VASCULAR DILATORS

DeBakey-type Design

DEBAKEY-TYPE VASCULAR DILATORS



355287



355286

Sets of dilators in graduated sizes, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9 and 10 mm. Supplied in 7-1/2" (19 cm) and 15" (38 cm) length.

CATALOG #	DESCRIPTION
355285	Set of 12, 7-1/2" (19 cm), in autoclavable stainless steel case
355287	Set of 12, 7-1/2" (19 cm), without case
355288	Coronary Set of 5, consists of 1.0 mm, 1.5 mm, 2.0 mm, 2.5 mm and 3.0 mm, with a length of 7-1/2" (19 cm) without case
355286	Case for 355287
355295	1.0 mm, 7-1/2" (19 cm) long
355296	1.5 mm, 7-1/2" (19 cm) long
355297	2.0 mm, 7-1/2" (19 cm) long
355298	2.5 mm, 7-1/2" (19 cm) long
355299	3.0 mm, 7-1/2" (19 cm) long
355300	4.0 mm, 7-1/2" (19 cm) long
355301	5.0 mm, 7-1/2" (19 cm) long
355302	6.0 mm, 7-1/2" (19 cm) long
355303	7.0 mm, 7-1/2" (19 cm) long
355304	8.0 mm, 7-1/2" (19 cm) long
355305	9.0 mm, 7-1/2" (19 cm) long
355306	10.0 mm, 7-1/2" (19 cm) long
355290	Coronary Set of 12, 15" (38 cm), in autoclavable stainless steel case, individual sizes of 15" dilators are available upon request
355292	Set of 12, 15" (38 cm), without case
355291	Case for 355292



355292



355291

VASCULAR DILATORS

Garrett Design

GARRETT VASCULAR DILATORS



355089



355090

CATALOG #	DESCRIPTION
355089	Set of nine short dilators (1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5 and 5 mm), 5-1/2" (14 cm) long in stainless steel storage cylinder
355080	Short 1 mm
355081	Short 1.5 mm
355082	Short 2.0 mm
355083	Short 2.5 mm
355084	Short 3.0 mm
355085	Short 3.5 mm
355086	Short 4.0 mm
355087	Short 4.5 mm
355088	Short 5.0 mm
355090	Set of nine long dilators (1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5 and 5 mm), 8-1/4" (20.9 cm) long in stainless steel storage cylinder
355091	Long 1.0 mm
355092	Long 1.5 mm
355093	Long 2.0 mm
355094	Long 2.5 mm
355095	Long 3.0 mm
355096	Long 3.5 mm
355097	Long 4.0 mm
355098	Long 4.5 mm
355099	Long 5.0 mm

VASCULAR DILATORS

Garrett Design

GARRETT DILATOR HOLDERS



355100

355101

CATALOG #	DESCRIPTION
355100	8-1/8" (20.5 cm)
355101	5-1/8" (13 cm)

Hiebert Design

HIEBERT DOUBLE-ENDED VASCULAR DILATORS



355277

A half and full size dilating olive per dilator, saves time passing instruments back and forth. Malleable shafts. 6" (15.2 cm) overall length.

CATALOG #	DESCRIPTION
355275	0.5 mm x 1 mm
355276	1.5 mm x 2 mm
355277	2.5 mm x 3 mm
355278	3.5 mm x 4 mm

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VALVULOTOMES

Antegrade Cut

VALVULOTOME ANTEGRADE CUT

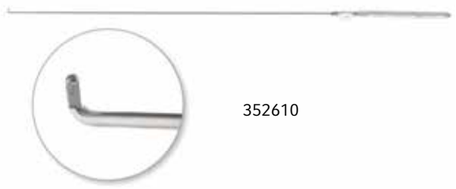


352605

CATALOG #	DESCRIPTION
352605	5-7/8" (15 cm)

Mills-Type

MILLS VALVULOTOME



352610

For CABG vein grafts.

CATALOG #	DESCRIPTION
352610	Blade 2 mm long, 11-3/4" (30 cm)

In-Situ

IN-SITU VENOUS VALVULOTOME STERILIZING CASE



352611

A sturdy, stainless steel sterilizing case that holds up to four valvulotomes.

CATALOG #	DESCRIPTION
352611	Holds 4 In-Situ Valvulotomes, 14-5/8" (37 cm)

VALVULOTOMES

In-Situ

IN-SITU VENOUS VALVULOTOME



352613

Standard size blade inserted in an antegrade direction and withdrawn retrograde to incise valve cups.

CATALOG #	DESCRIPTION
352612	Blade 2 mm long, 9" (23 cm)
352614	Blade 2 mm long, 9-7/8" (25 cm)
352613	Blade 2 mm long, 11-3/4" (30 cm)

Bush

THE BUSH™ RETROGRADE VALVULOTOME



352692

THE BUSH™ Valvulotome provides a precise cutting instrument for the simultaneous cutting of both venous valve cusps in the greater saphenous vein during in-situ bypass surgery. The recessed “shark-tooth” blades penetrate the valve tissue, to cut the leaflets and reduce the possibility of traumatizing the vein wall intima and tributary branches. The surgeon can select from 2, 3 or 4 mm head sizes.

Dome-shaped head with 2 recessed opposing “shark-tooth” blades pierce valve tissue cutting both leaflets in one pass. The self-centering cutting head and dilating olive achieve proper cutting head alignment. Three head sizes in 2 different lengths provides a selection to fit most surgical needs. The control wire is a mono-filament stainless steel wire.

CATALOG #	DESCRIPTION
352680	Set of 3 (2, 3, 4 mm heads, 1 each), 15-3/4" (40 cm)
352681	2 mm head, 15-3/4" (40 cm)
352682	3 mm head, 15-3/4" (40 cm)
352683	4 mm head, 15-3/4" (40 cm)
352690	Set of 3 (2, 3, 4 mm heads, 1 each), 37-3/8" (95 cm)
352691	2 mm head, 37-3/8" (95 cm)
352692	3 mm head, 37-3/8" (95 cm)
352693	4 mm head, 37-3/8" (95 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

MEDIASTINOSCOPY

Mediastinoscopes

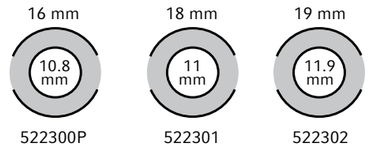
CARLENS MEDIASTINOSCOPES



522301

The Carlens Mediastinoscopes come in short, long and extra-long lengths. The short model is suitable for inspection of the mediastinum above the bifurcation, while the long and extra-long models are for the region of the carina. Supplied with one light carrier.

CATALOG #	SCOPE SIZE	OVERALL LENGTH	MIN. I.D.	NOMINAL PROXIMAL DIMENSIONS	MAX O.D.	REPLACE CARRIER
522300P	Short	116 mm	10.8 mm	16.0 mm	18.4 mm	526350
522301	Long	162 mm	11.0 mm	18.0 mm	22.3 mm	526351
522302	Extra-Long	191 mm	11.9 mm	19.0 mm	22.3 mm	526352



522300P 522301 522302

Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), **NOT TO SCALE**

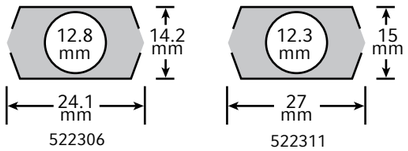
IMPROVED TUCKER MEDIASTINOSCOPE



522311

The Improved Tucker Mediastinoscope is suited for use in conjunction with the operating microscope. Scope is supplied with an extra-large diameter fiber optic light carrier and integral 6 ft. long, autoclaveable connecting cable.

CATALOG #	SCOPE SIZE	OVERALL LENGTH	MIN. I.D.	NOMINAL PROXIMAL DIMENSIONS	MAX O.D.	REPLACE CARRIER
522306	Short	147 mm	12.8 mm	24.1 x 14.2 mm	23.3 mm	527853
522311	Long	180 mm	12.3 mm	27.0 x 15.0 mm	23.2 mm	527850



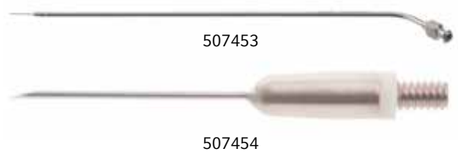
522306 522311

Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), **NOT TO SCALE**

MEDIASTINOSCOPY

Instrumentation

ASPIRATING NEEDLE



507453

507454

CATALOG #	DESCRIPTION
507453*	Reinforced angled shaft, with protective cover, distal needle 23 Ga., working length 8-1/4" (21 cm)
507454*	Spare distal needle tip for aspirating needle

INSULATED SUCTION CAUTERY TUBE



507045

Fully insulated with thumb-valve for controlled suction.

CATALOG #	DESCRIPTION
507045*	Supplied with 10 ft (305 cm) Bovie Cord and plug (507046)

BOVIE CORD FOR SUCTION TUBE



507046

For insulated suction.

CATALOG #	DESCRIPTION
507046*	10 ft (305 cm)

*Not available in Canada

MEDIASTINOSCOPY

Instrumentation

BOVIE PENCIL HANDLE

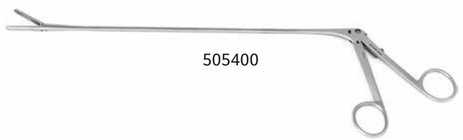


351970

With connecting cord.

CATALOG #	DESCRIPTION
351970*	5-1/8" (13 cm)

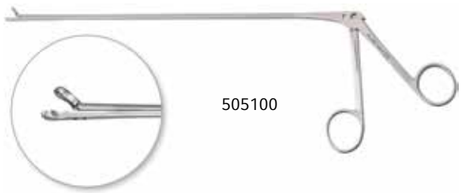
JACKSON ALLIGATOR GRASPING FORCEPS



505400

CATALOG #	DESCRIPTION
505400	Standard, deeply serrated and grooved jaws, 4 mm wide by 23 mm long, working length 11-1/8" (28 cm)
505420	Small, finely serrated jaws taper from 3 mm to 1.55 mm width, 17 mm long, working length 11-3/4" (30 cm)

JACKSON CUP FORCEPS - STANDARD, MEDIUM LIGHTWEIGHT



505100

Jackson Forceps come in standard and extra-lightweight construction that provides durability and strength. The jaw size, shape and angle are specially calculated for use through Jackson scopes.

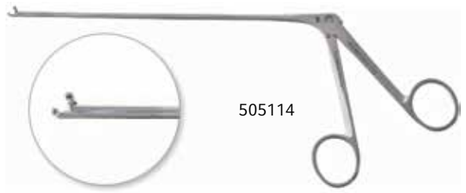
CATALOG #	DESCRIPTION
505100	Straight, 4 mm diameter jaw, working length 28 cm
505104	Angled, 4 mm diameter jaw, working length 28 cm

*Not available in Canada

MEDIASTINOSCOPY

Instrumentation

JACKSON CUP FORCEPS - EXTRA LIGHTWEIGHT



505114

Jackson Forceps come in standard and extra-lightweight construction that provides durability and strength. The jaw size, shape and angle are specially calculated for use through Jackson scopes.

CATALOG #	DESCRIPTION
505110	Straight, 2 mm diameter jaw, working length 20 cm
505112	Straight, 2 mm diameter jaw, working length 28 cm
505114	Angled, 2 mm diameter jaw, working length 20 cm
505116	Angled, 2 mm diameter jaw, working length 28 cm

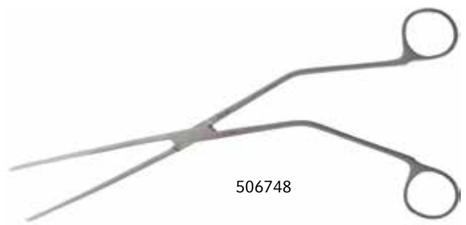
PATTERSON ELONGATED CUP BITING FORCEPS



505230

CATALOG #	DESCRIPTION
505230	Regular, 4 mm jaw width, 11-1/8" (28 cm)

MEDIASTINAL BLUNT-TIPPED DISSECTING FORCEPS



506748

CATALOG #	DESCRIPTION
506748	Serrated, 16 mm tip, working length 7-1/2" (19 cm), 12" (31 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

MEDIASTINOSCOPY

Instrumentation

NORRIS SPONGE HOLDING FORCEPS



506747

Bayonet-shaped, cross action forceps designed for use in mediastinoscopy. Straight distal portion of jaw is 16 cm long.

CATALOG #	DESCRIPTION
506747	Straight, serrated, 3.6 mm tip, 13-1/8" (34 cm)

Scope Holders

TOBEY LARYNGOSCOPE HOLDER



502248

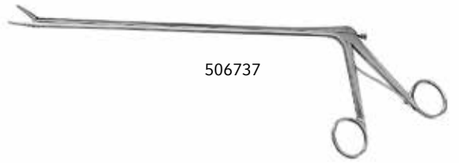
The laryngoscope/mediastinoscope holder with a quick attach/release mechanism that provides a secure hold of your laryngoscope. With the blue thumb tab mechanism on the Tobey Laryngoscope Holder, there is no more twisting or turning necessary to lock the laryngoscope into the holder. The Tobey Laryngoscope Holder also allows for fine-tune adjusting using the size adjustment knob for different laryngoscope handles.

CATALOG #	DESCRIPTION
502248	Overall width, 9" (23 cm)

MEDIASTINOSCOPY

Clips and Appliers

ALLIGATOR APPLYING FORCEPS AND LIGATING CLIPS



506737



506742

Drew and Scoville forceps for use with McKenzie “V” clips and Duane “U” clips. Jaw opening is controlled by screw mechanism in handle. Stainless steel. Length 9-3/4" (25 cm). McKenzie and Duane clips are non-magnetic and made of Sterling Silver.

CATALOG #	DESCRIPTION
506737	Drew Forceps, serrated jaws
506742	Scoville Forceps, slotted jaws
506743*	McKenzie “V” clips, smooth, vial of 100
506744*	McKenzie “V” clips, serrated, vial of 100
506746*	Duane “U” clips, smooth, vial of 100
506749	Clip holding magazine, single row, weighted, manual loading for Duane and McKenzie clips



506743



506744



506746



506749

*Not available in Canada

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VIDEO-ASSISTED THORACOSCOPY

Retractors

HEITMILLER MINI THORACOTOMY RETRACTOR



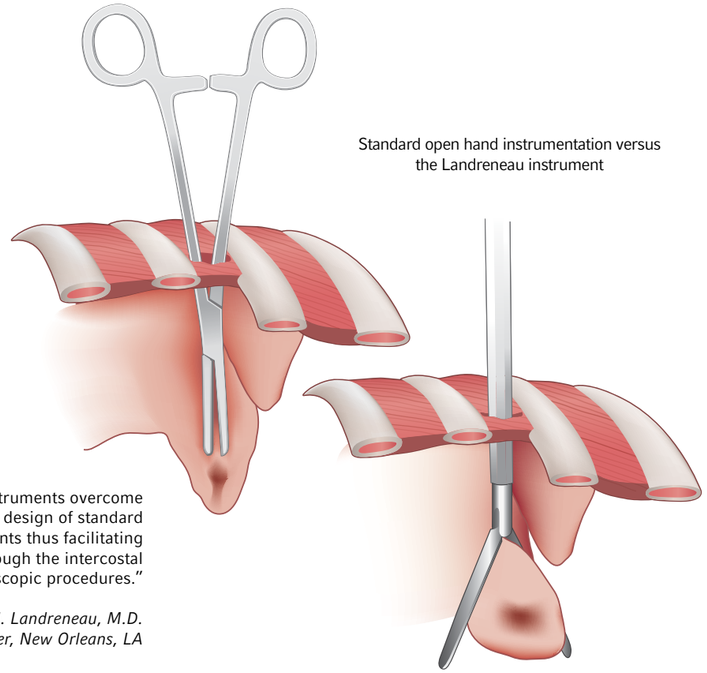
341310

Designed by Dr. Richard Heitmiller.

CATALOG #	DESCRIPTION
341310	This retractor provides exposure for video-assisted thoracoscopy, open lung biopsies, transaxillary incisions and mid-CAB procedures in which mini-thoracotomy incisions are used. With its small "footprint," it also is ideal for mobilizing lung adhesions during video thoracotomies.

Landreneau Design

Landreneau Thoracoscopy Instruments are used in video-assisted thoracoscopy and minimally invasive procedures. Their unique design overcomes the limitations of the central-hinge on standard open instruments, enabling the instruments to be fully functional when placed through a small incision. Elongated shafts and large jaws provide extended reach while the ring-handled design offers the comfort and familiarity of a traditional open instrument. A custom tray is available to protect your instrument investment.



Standard open hand instrumentation versus the Landreneau instrument

"The Landreneau design instruments overcome the limitations of the central hinge design of standard (open) hand surgical instruments thus facilitating instrument manipulation through the intercostal access during thoracoscopic procedures."

Rodney J. Landreneau, M.D.
Ochsner Medical Center, New Orleans, LA

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design

PENNINGTON GRASPING FORCEPS



131114A

CATALOG #	DESCRIPTION
131114A	10.2 mm tip width, 10 mm shaft diameter, 13 cm shaft length, locking, 7-7/8" (20 cm) working length

STRAIGHT MASHER GRASPING FORCEPS



211116A

CATALOG #	DESCRIPTION
211116A	Thin, teardrop-shaped, 10 mm diameter, 21 cm shaft length, locking, 7.8 mm tip width, 11-3/4" (30 cm) working length

CURVED MASHER GRASPING FORCEPS



211117A

CATALOG #	DESCRIPTION
211117A	Thin, teardrop-shaped, tip curved 20 degrees, 7.8 mm tip width, 21 cm shaft length, locking

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design

STRAIGHT MASHER GRASPING FORCEPS



CATALOG #	DESCRIPTION
211118A	Round, 13.8 mm tip width, 21 cm shaft length, locking, 11-3/4" (30 cm) working length

STRAIGHT DEBAKEY-TYPE GRASPING FORCEPS



CATALOG #	DESCRIPTION
211603A	10 mm diameter, 7 mm tip width, 21 cm shaft length, locking, 11-3/4" (30 cm) working length

LAWRENCE FINE DISSECTING FORCEPS



CATALOG #	DESCRIPTION
211245A	45 degree curved tip, 21 cm shaft length, locking, 9-7/8" (25 cm) working length, overall length 15-3/8" (39 cm)

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design

MEEKER DISSECTING FORCEPS



CATALOG #	DESCRIPTION
211290A	90 degree curved, 2.7 mm tip width, 21 cm shaft length, locking, 9-3/4" (24.5 cm) working length

METZENBAUM SCISSORS CURVED



CATALOG #	DESCRIPTION
211325A	1.7 mm tip width, 10 mm diameter shaft, 21 cm shaft length, non-locking, 9-1/2" (24 cm) working length

STRAIGHT SINGLE ACTION NEEDLE HOLDER



CATALOG #	DESCRIPTION
215558A	5 mm diameter shaft, 21 cm shaft length, locking, 8-7/8" (23 cm) working length

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design

LANDRENEAU THORACOSCOPY TRAY



211500

CATALOG #	DESCRIPTION
211500	20-3/4" (52.5 cm) x 9-7/8" (25 cm)

LANDRENEAU THORACOSCOPY SET



211600

CATALOG #	DESCRIPTION
211600	Complete set. Includes all catalog codes in the Landreneau Design section (except 341310, the optional Heitmiller Mini Thoracotomy Retractor)

KAISER-PILLING® INSTRUMENTS

Instruments specifically for thoracoscopy that deliver the versatility you require and the feel to which you are accustomed.

Unique instruments with a “No Cannula” technique.

Allow for the use of traditional patterns of instruments that have been elongated and shaped to meet the special needs of the thoracoscopist. These new-dimensioned instruments provide you with the familiar feel, weight and balance to which you are accustomed. This means you can rely on the practiced hand movements used in open procedures. The accessories extend your “reach” even farther.

Other advantages of the “No Cannula” procedure using these instruments are:

- Reduced patient costs since fewer cannulas are required
- Palpation of lesions is permitted
- Number of incisions is minimized as instrument length and shape permit access to all areas of the thoracic cavity

CATALOG #	DESCRIPTION
841000	Complete set includes: 166868, 841010, 841011, 841012, 841013, 841030, 841031, 841032, 841033, 841050, 841051, 841052, 841100, 841101, 841300, 841301, 841350, 841351, 841400, 841951
166868	Lahey instrument holder
841010	Ring forceps (1L)
841011	Ring forceps (2L)
841012	Ring forceps (4L)
841013	Ring forceps (3L)
841030	Ring forceps (1S)
841031	Ring forceps (2S)
841032	Ring forceps (4S)
841033	Ring forceps (3S)
841050	Atraugrip ring forceps (1AG)
841051	Atraugrip ring forceps (5AG)
841052	Atraugrip ring forceps (2AG)
841100	Biopsy forceps, malleable
841101	Biopsy forceps, rigid
841300	Spatula, slightly curved
841301	Spatula, acute curved
841350	Yankauer suction tube
841351	Andrews suction tube
841400	Hook, blunt
841951	2 tier storage tray

VIDEO-ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® SHORT JAW RING FORCEPS



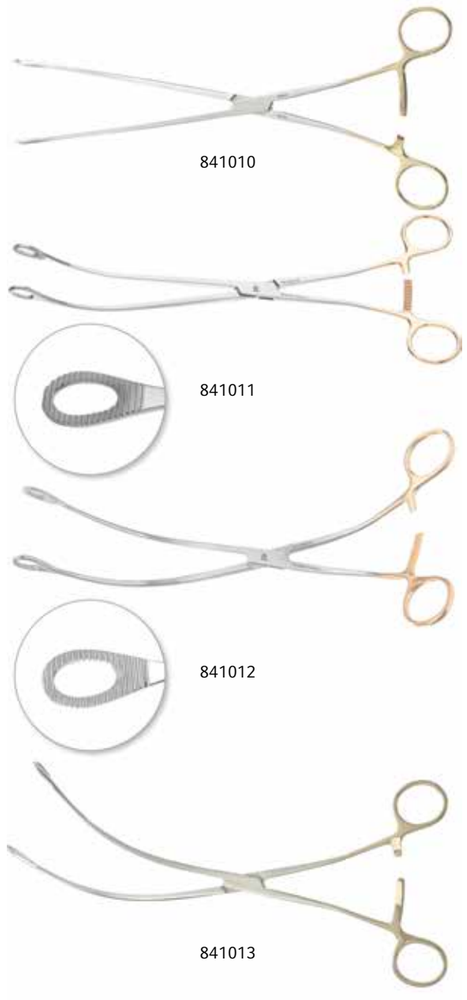
1 x 11 ratchets, 3-3/8" (8.5 cm) jaw.

CATALOG #	DESCRIPTION
841030	Straight (1S), 12-5/8" (32 cm)
841031	Curved (2S), 12-1/8" (31 cm)
841032	C-shaped (4S), 10-7/8" (28 cm)
841033	Curved on side (3S), 12" (30.5 cm)
841034	Curved handle, 11-7/8" (30 cm)

VIDEO-ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® LONG JAW RING FORCEPS



1 x 11 ratchets, 6-3/8" (16 cm) jaw.

CATALOG #	DESCRIPTION
841010	Straight (1L), 6-3/8" (16 cm) jaw, 12-5/8" (32 cm)
841011	Curved (2L), 6-3/8" (16 cm) jaw, 12-1/4" (31 cm)
841012	“C” shaped (4L), 6-3/8" (16 cm) jaw, 10-7/8" (28 cm)
841013	Curved on side (3L), 12-1/8" (31 cm)
841014	Curved handle, 12-1/8" (31 cm)
841015	90 degree ring jaw, 11-7/8" (30 cm)
841016	45 degree ring jaw, 12-1/4" (31 cm)

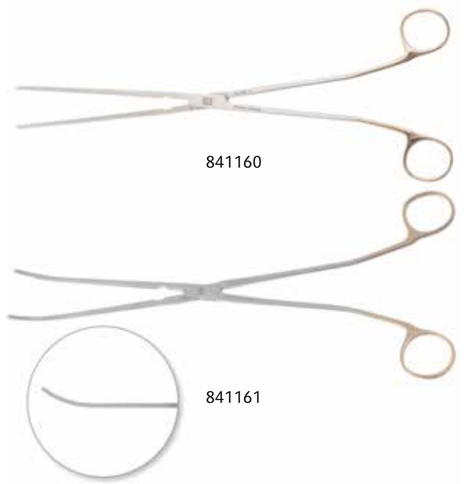


CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VIDEO-ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® THORACOSCOPIC FORCEPS

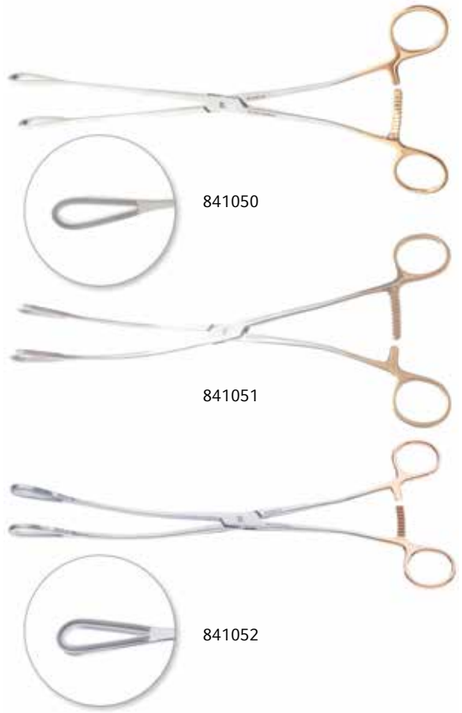


CATALOG #	DESCRIPTION
841160	Straight, without ratchets, 12" (31 cm)
841161	Slight curve, without ratchets, 11-3/4" (30 cm)

VIDEO-ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

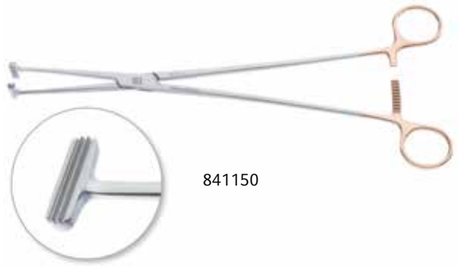
KAISER-PILLING® DEBAKEY-TYPE RING FORCEPS



1 x 11 ratchets.

CATALOG #	DESCRIPTION
841050	Straight (1AG), 12-5/8" (32 cm)
841051	"S"-shaped (5AG), 11-3/4" (30 cm)
841052	Curved jaw (2AG), 12-1/4" (31 cm)

KAISER-PILLING® DEBAKEY-TYPE ALLIS RING FORCEPS



CATALOG #	DESCRIPTION
841150	2 x 3 DeBakey-type Jaws, 21 mm, 12" (31 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VIDEO-ASSISTED THORACOSCOPY

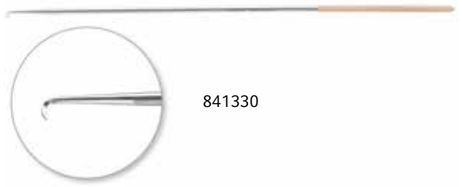
Kaiser-Pilling® Design

KAISER-PILLING® BIOPSY FORCEPS



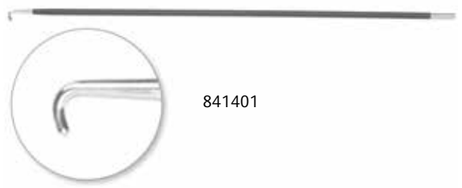
CATALOG #	DESCRIPTION
841100	Malleable, 4 mm cup, 12-5/8" (32 cm)
841101	Rigid, slightly curved, 4 mm cup, 11" (28 cm)

KAISER-PILLING® ANGLE SICKLE KNIFE



CATALOG #	DESCRIPTION
841330*	Sharp tip, 13" length (33 cm)

KAISER-PILLING® BLUNT HOOK



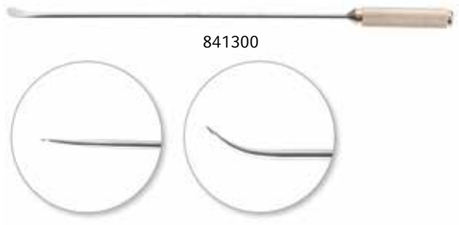
CATALOG #	DESCRIPTION
841401*	Insulated, 13" (33 cm)

*Not available in Canada

VIDEO-ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® SPATULA



14" (35.5 cm).

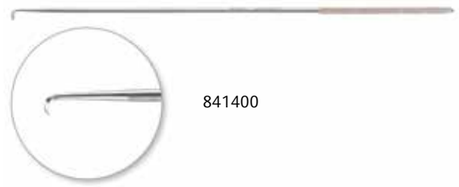
CATALOG #	DESCRIPTION
841300	Slight curve
841301	Acute curve
841302	Straight

KAISER-PILLING® ANDREWS SUCTION



CATALOG #	DESCRIPTION
841351	11-3/4" (30 cm)

KAISER-PILLING® HOOK



CATALOG #	DESCRIPTION
841400	Blunt, 13" (33 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

VIDEO-ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

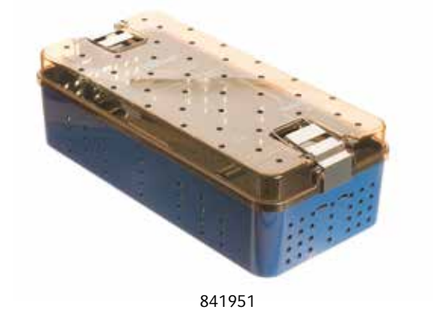
KAISER-PILLING® SUCTION WITH THUMB VALVE



841350

CATALOG #	DESCRIPTION
841350	13-1/4" (33.5 cm)

KAISER-PILLING® TRAY



841951

CATALOG #	DESCRIPTION
841951	20-3/4" length x 10" width x 4-5/8" height (52.5 x 25.5 x 11.5 cm)

MISCELLANEOUS CVT

Endarterectomy Dissectors

EFFLER-GROVES DOUBLE-END DISSECTOR AND HOOK



355810

CATALOG #	DESCRIPTION
355810	Lightweight, 12-1/4" (31 cm)

LEMMON INTIMA DISSECTORS



355191

CATALOG #	DESCRIPTION
355191	Slight curve, 6-3/8" (16.5 cm)
355192	Acute curve, 6-3/8" (16.5 cm)

OLIVEKRONA DOUBLE-END DISSECTORS



355182

355186

Useful as freeing instruments in endarterectomy.

CATALOG #	DESCRIPTION
355180	Lightweight, 7-1/4" (18.5 cm)
355182	Lightweight, 9-1/2" (24 cm)
355184	Heavy weight, 7-3/4" (19.5 cm)
355186	Heavy weight, 9-1/2" (24 cm)

FREER DOUBLE-END ELEVATOR



355194

Pilling® Pattern, satin finish.

CATALOG #	DESCRIPTION
355194	Sharp and blunt, 7" (18 cm)

MISCELLANEOUS CVT

Marking Rings

MARKING RING-VEIN GRAFT



355834

The aorta to coronary saphenous vein graft is widely used for the treatment of coronary atherosclerosis. Assessment of the post-operative result requires direct catheterization of the graft, and locating the proximal orifice can be difficult. The Vein Graft Ring is to be placed around the aortic end of the graft prior to completion of the proximal anastomosis. After completion of the proximal anastomosis the ring is sutured to the aorta by interrupted 5-0 or 6-0 sutures. The ring has been found helpful to the cardiologist in locating the aortic end of the graft. The rings are made of 20 Ga., type 316L medical grade stainless steel, available in diameters of 8, 10, 12 and 14 mm.

CATALOG #	DESCRIPTION
355830*	CC Marking Ring, 8 mm, 10/pack
355832*	CC Marking Ring, 10 mm, 10/pack
355834*	CC Marking Ring, 12 mm, 10/pack
355838*	CC Marking Ring, 14 mm, 10/pack

Obturators

FITCH OBTURATORS



351316

Fitch Obturators, olive tipped, for use with plastic vena cava catheters in open heart surgery. These obturators permit introduction of the venous drainage catheters into the right atrium and vena cava. Olive-shaped tip allows easy introduction through a purse-stringed site in the right atrium. The elongated head of the obturator is to block any blood entering the multiple perforations of the catheter during introduction. The malleable shaft permits control of the catheter tip in the right atrium, and appropriately pre-curving the shaft allows the catheter to be steered into either vena cava.

CATALOG #	DESCRIPTION
351316*	26 Fr., 17-7/8" (45.5 cm)
351318*	30 Fr., 16-1/8" (41 cm)

*Not available in Canada

MISCELLANEOUS CVT

Tourniquet Stylets

REPLACEMENT STYLET FOR RUMEL TOURNIQUET



353203

CATALOG #	DESCRIPTION
353203	66 x 4 mm tip, working length 7-5/8" (19.5 cm), overall length 10-1/4" (26 cm)

STYLET FOR RUMEL TOURNIQUET, CHILD SIZE



353207

CATALOG #	DESCRIPTION
353207	Often used with rubber tubing and Identi-Loops, 7" (18 cm)

STYLET FOR WECK® STYLE RUMEL TOURNIQUET



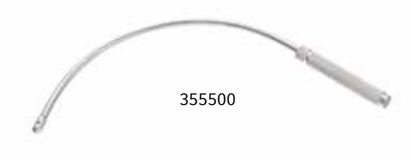
353206

CATALOG #	DESCRIPTION
353206	2 mm-wide tip, working length 8-1/4" (21 cm), overall length 9-3/8" (24 cm)

MISCELLANEOUS CVT

Tunnelers

BERRY ANGIO ACCESS TUNNELER



355500

Designed by William B. Berry, M.D. of Pasadena, Texas, Angio Access Tunneler (355500) is used to create forearm loop tunnels for placement of arteriovenous grafts for hemodialysis. Removable interchangeable handle and bullet tip. Diamond knurled handle for ease of control. Suture hole in bullet tip allows graft attachment.

CATALOG #	DESCRIPTION
355500	Available in 10-3/4" (27.5 cm) length (105 degree arc)

CRAWFORD-COOLEY GRAFT TUNNELER



355497

Graft is attached to obturator tip and drawn through the tube. Tube is then withdrawn, leaving graft placed in untwisted position.

CATALOG #	DESCRIPTION
355497	Tube slightly curved, 12 mm I.D., 17-1/2" (44.5 cm)

MISCELLANEOUS CVT

Tunnelers

DEBAKEY-TYPE FEMORAL BYPASS TUNNELER



355495

For use in by-pass operation for segmental occlusive disease of the iliac and femoral arteries. This instrument is designed with a slightly malleable stainless steel bar with a handle on one end and an olive tip dilator on the other. This blunt end, introduced through one of the incisions, is inserted through the subcutaneous tissue into the other incision. A by-pass graft end is then attached by a simple ligature to the olive tip end which is withdrawn, pulling the graft through the subcutaneous tunnel connecting the two incisions.

CATALOG #	DESCRIPTION
355495	20-3/4" (52.5 cm)

HALLMAN TUNNELING FORCEPS



355493

CATALOG #	DESCRIPTION
355493	14-5/8" (37 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SPECIALTY SETS

Pilling® Micro Vascular Set

PILLING® MICRO VASCULAR SET OF 11 INSTRUMENTS



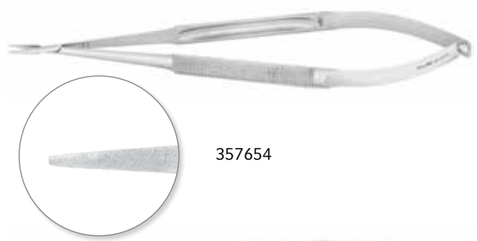
357651



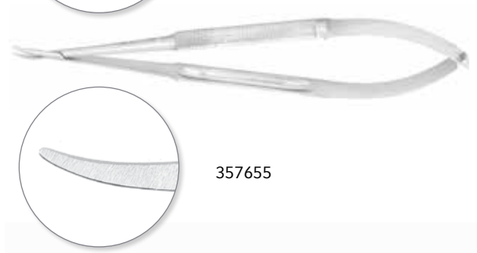
357652



357653



357654



357655

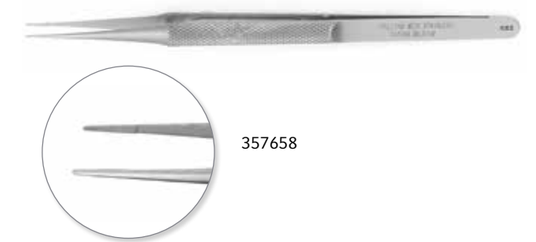


357656

CATALOG #	DESCRIPTION
357650	Tray and Set
429594	Tray only 8" (20.5 cm) x 12 1/2" (31.5 cm)
357651	Micro Scissors, straight, 12 mm blades, 7-3/8" (19 cm)
357652	Micro Scissors, curved, 12 mm blades, 7-1/4" (18.5 cm)
357653	You-Potts Scissors, angled 45 degrees, 12 mm blades, 7-3/8" (18.5 cm)
357654	Micro Needle Holder, straight, no lock, 1.15 mm jaw, 7-3/8" (18.5 cm)
357655	Micro Needle Holder, curved, no lock, 7-3/8" (18.5 cm)
357656	Micro Needle Holder, straight, lock, 1.2 mm jaw, 7-1/2" (19 cm)
357657	Micro Needle Holder, curved, no lock, 0.6 mm jaw, 7-3/8" (18.5 cm)
357658	Micro Tying Forceps, round handle 8 mm diameter, straight 0.5 mm wide tip with platform, 6" (15 cm)
357659	Micro Tying Forceps, round handle 8 mm diameter, curved 0.5 mm wide tip with platform, 6" (15 cm)
357660	Micro Tying Forceps, round handle 8 mm diameter, straight 0.5 cm wide tip with platform, 7-1/8" (18 cm)
357661	Micro Tying Forceps, round handle 8 mm diameter, curved 0.5 mm wide tip with platform, 7-1/8" (18 cm)



357657

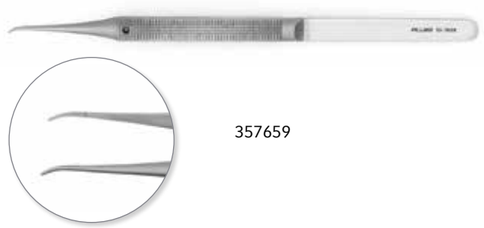


357658

SPECIALTY SETS

Pilling® Micro Vascular Set

PILLING® MICRO VASCULAR SET OF 11 INSTRUMENTS



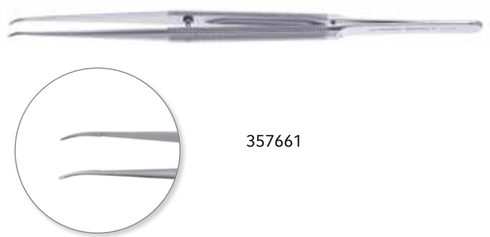
357659



357660



357650



357661



429594

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SPECIALTY SETS

Vascular Access Set

THE PILLING® VASCULAR ACCESS SET



355600

Designed for all Angle Access procedures — not just AV. fistula — a logically planned set of instruments suited for:

- End-to-end, end-to-side, AV. fistula — any extremity
- Fistulas with graft
- External shunts



341010

COMPLETE SET:

355600 W.G.H. Pilling® Vascular Access Set complete with stainless steel storage case

341010 Stainless steel case for Pilling® Vascular Access Set

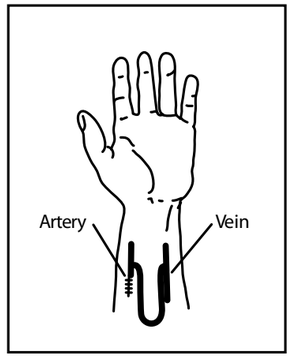
SPECIALTY SETS

Vascular Access Set

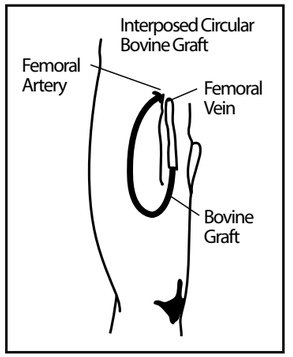
Vascular Access Sets suited for:



Brescia AV. fistula side to side



AV. fistula with external shunt



AV. fistula with graft

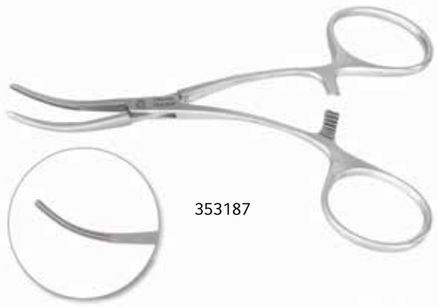
All instruments are supplied in a stainless steel storage case for protection and easy instrument counts.

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SPECIALTY SETS

Vascular Access Set

THE PILLING® VASCULAR ACCESS SET



353187



353190

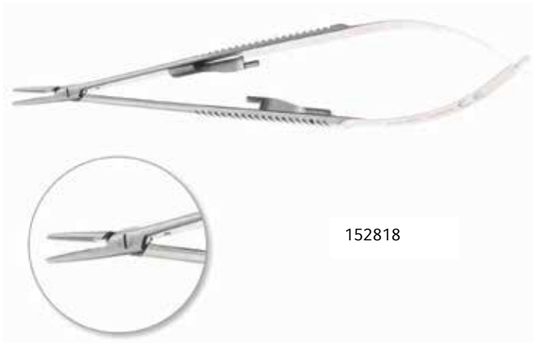


165439



355277

CATALOG #	DESCRIPTION
353187	Gregory Mini-vascular Clamps, curved, extra-light, 4-1/8" (10.5 cm)
353190	Gregory Mini-vascular Clamps, angled 45 degrees, extra-light, 4-3/8" (11 cm)
165439	Two of the Short Model Gelpi, sharp prongs, 3-1/8" (8 cm) spread, 5-3/8" (13.5 cm)
355275	Hiebert Vascular Dilators, 0.5 mm x 1 mm
355276	Hiebert Vascular Dilators, 1.5 mm x 2 mm
355277	Hiebert Vascular Dilators, 2.5 mm x 3 mm
355278	Hiebert Vascular Dilators, 3.5 mm x 4 mm
152818	Castroviejo Needle Holder, straight, 11 x 1.4 mm jaw, 6" (15 cm), TC
354964	Castroviejo Needle Holder, straight, 13 x 1.4 mm jaw, 7-1/4" (18.5 cm), TC



152818



354964

SPECIALTY SETS

Vascular Access Set

THE PILLING® VASCULAR ACCESS SET (CONTINUED)



352145



353600



351830



351575



351827

CATALOG #	DESCRIPTION
352145	Potts-Type Scissors, angled 45 degrees, 9 mm blades, 4-1/8" (10.5 cm)
353600	DeBakey-type Aortic Aneurysm Clamp, 3-3/4" (9.5 cm) jaw, 1 x 9 ratchets, 10-3/8" (26.5 cm)
353011	Three of the Johns Hopkins Bulldog™ Clamps, curved jaws, 1-1/2" (4 cm)
351830	Gregory Suture "Stay" Clamps, straight, 3-7/8" (10 cm), TC
351575	DeBakey-type Heparin Cannula, malleable, 3 mm tip, 2-1/2" (6.5 cm)
351825	Wheeler Pick-up Forceps, DeBakey-type Jaw, 1.6 mm , 5-1/2" (14 cm)
351827	Wheeler Pick-up Forceps, DeBakey-type Jaw, 1.6 mm, 7-1/8" (18 cm)

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

INDEX

Alphabetical

A

Ablaza-Blanco Cardiac Valve Retractor....223
Abrams Pleural Biopsy Needle....235
Adson-Brown Titanium Tissue Forceps....154
Adson Titanium Dressing Forceps....154
Adson Titanium Tissue Forceps....154
Alexander Periosteotome....184
Alligator Applying Forceps and Ligating Clips....247
Allison Lung Retractors....212
Amato Neonatal Sternal Retractors....196
Amato Pediatric Dilators Set....236
Andrews Infant Suction Tube....233
Andrews Pynchon Suction Tube....233
Aortic Punches....230
Diamond Edge Design....230
Reusable Punches....231
Aspirating Needle....243

B

Babcock Tissue Forceps....23
Bahnson Aorta Clamp....97
Bailey Aorta Clamps....97
Bailey Aortic Valve Rongeurs....225
Bailey Cardiac Technique® Needle Holder....142
Bailey-Gibbon Rib Approximator Retractor....184
Bailey Rib Approximator Retractors....184
Bakst Cardiac Scissors....135
Barraya Titanium Tissue Forceps....155
Baumgarten Wire Twister....152
Beall Circumflex Artery Scissors....124
Beall Micro Coronary Scissors....125
Beck Miniature Pediatric Aortic Clamp....57
Beck-Type Aorta Clamps....98
Beck-Type Vessel Clamps....58
Berry Angio Access Tunneler....264
Berry Sternal "Big Ugly" Technique® Needle Holder....152
Bethune Rib Cutter....186
Blanco Valve Instruments....223
Bonchek-Carpentier Sternal/Atrial Valve Retractor....205
Bonnier Catheter Adapter....234
Bovie Cord for Suction Tube....243
Bovie Pencil Handle....244
Brachial Large Vessel Clips....35
Bronchus Clamp....23
Bulldog™ and Micro Vessel Clamps....28
Bulldog™ Clamps....28
Micro Vessel Clamps....35
Bulldog™ Clamp Applying Forceps....35
Burford Adult Retractor....205
Burford Aluminum Adult Retractor....205
Burford-Finochietto Infant-Child Retractor....197

C

Calman Carotid Bulldog™ Clamps....72
Calman Clamp....75
Cardiac Valve Forceps....17
Cardiac Valve Hook, Calibrated....226
Carlens Mediastinoscopes....242
Castaneda Pediatric Clamps....43
Castaneda Titanium Vascular Clamping Forceps....161
Castroviejo Micro Needle Holders....149
Castroviejo Needle Holders....149
Castroviejo Scissors....141
Castroviejo Technique® Needle Holders....148
Catheters....
Coronary Perfusion Catheters....229
Chaux Deep Blade Assembly....190
Chaux-Lemole Bi-Angle T-Frame....222
Chaux Multipurpose Sternal Ima Retractor....188
Chaux Sternal Ima-Mitral Valve Retractor....189
Cheanvechai-Favaloro Swivel Rake Assembly....193
Cheanvechai Rake Assembly....193
Cherry Supraceliac Clamp....98
Chest Drain Pulling Clamp....27
Clamps....
Aortic Aneurysm Clamps....116
Aortic Compressor....123
Aortic Vascular Clamps....96
Bronchus and Lung Clamps....23
Bulldog™ Clamps....28
Carotid Clamps....72
Carotid Clamps, 1 mm Jaw....75
Carotid Clamps, 1.5 mm Jaw....77
Chest Drain Pulling Clamp....27
Cooley Vascular Clamps....90
CVT....27
Femoral-Popliteal Clamps....80
Micro Vessel Clamps....35
Pediatric Clamps, 1 mm Jaw....43
Pediatric Clamps, 1.5 mm Jaw....45
Pediatric Clamps, 2 mm Jaw....58
Pediatric Clamps, Cooley-Type Jaw....63
Pediatric Vascular Clamps....163
Peripheral Vascular Clamps....81
Ring Handled Bulldog™ Clamps....70
Vascular Clamps....41, 164
Cleveland Clinic Renal Clamps....78
Clips and Appliers....247
Mediastinoscopy....247
Coarctation Hook....226
Collin Lung Tissue Forceps....23
Conn Aortic Compressor....123
Cooley Anastomosis Clamps....64
Cooley Aorta Clamp....116
Cooley Carotid, Subclavian and Renal Clamp....90
Cooley Clamps....65
Cooley Clamps for Pediatric and Infant Cardiovascular Surgery....65
Cooley Clamps for Pediatric Cardiovascular Surgery....63
Cooley Coarctation Clamps....91
Cooley Dilators....236
Cooley Iliac Clamps....91
Cooley Jaw Multipurpose Clamps....92
Cooley Jaw Vascular Tissue Forceps....15
Cooley Mitral Valve Retractors....219
Cooley Partial-Occlusion Clamps....93
Cooley Patent-Ductus Clamps....94
Cooley Pediatric Cardiovascular Clamps....66
Cooley Pediatric Derra Clamps....67
Cooley Pediatric Modified Anastomosis Clamp....68
Cooley Pediatric Multipurpose Clamps....68
Cooley Pediatric Patent Ductus Clamps....69
Cooley Peripheral Vascular Clamps....95
Cooley Sternum Retractors....201
Cooley Sump Suction Tube....233
Cooley Titanium Pediatric Clamp....163
Cooley Vena Cava Clamps....95
Coronary Ultra-Fine Tissue Forceps....15
Coryllos-Bethune Rib Shears....186
Couëtil Ima Sternal Retractor....191
Crafoord Coarctation Vascular Clamps....99
Crafoord Titanium Clamping Forceps....164
Crawford Aortic Retractors....219
Crawford-Cooley Graft Tunneler....264
Crawford Suture Ring....224
Crawford Thoraco-Abdominal Aneurysm Clamps....116
Crile Titanium Hemostatic Forceps....160
Curved Masher Grasping Forceps....249
Cushing Blunt Elevator....185
Cushing Decompression Retractor....213
Cushing Nerve and Vein Retractor....213
Cushing Titanium Dressing Forceps....155
Cushing Titanium Tissue Forceps....155
CVT Forceps and Clamps....12
Bronchus and Lung Clamps....23
Chest Drain Pulling Clamp....27
Ligature Carriers....21
Micro Forceps....18
Tissue Forceps....12
CVT Needle Holders....142
Castro-Type Micro Needle Holders....149
Pilling® Technique® Design....142
Wire Twisters....152
CVT Retractors....188
Epicardial....188
Hand-Held....212
Henly-Type Retractors....216
IMA....188
Sternal Retractors/Rib Spreaders....195
Pilling® Sternal Retractor and Rib Spreader Dimensions....209
Sternal Closure....211

D

Dale Femoral-Popliteal Anastomosis Clamp....80
Dale Femoral-Popliteal Clamps....80
Dale First Rib Rongeur....182
Darling Tape Passing Clamp "Aorta Go Around"....21
Davidson Scapula Retractors....214
Davis-Finochietto Infant Retractor....195
DeBakey Acutely Curved Clamps....59
DeBakey-Adson Coronary Suction Tubes....234
DeBakey Angled Peripheral Vascular Clamp....82
DeBakey Aorta Clamp....117
DeBakey Aortic Aneurysm Clamps....118
DeBakey Aortic Exclusion Clamp....82
DeBakey Bainbridge Vascular Clamps....83
DeBakey Carbide Forceps....13
DeBakey Chest Retractors....202
DeBakey Child Retractor....197
DeBakey Coarctation Clamps....45, 84
DeBakey Cross Action Bulldog™ Clamps....28
DeBakey Curved Clamps....119
DeBakey Curved Peripheral Vascular Clamp....84
DeBakey Diethrich Delicate Vascular Tissue Forceps....14
DeBakey Diethrich Diama-Grip Tissue Forceps....14
DeBakey Endarterectomy Scissors....135
DeBakey Femoral Bypass Tunneler....265
DeBakey Full Curved Aortic Aneurysm Clamps....120
DeBakey Lung Grasping Forceps....24
DeBakey-Metzenbaum Dissecting Scissors....136
DeBakey Miniature Anastomosis Clamp....59
DeBakey Modified Semb Ligature Carrier....21
DeBakey Multipurpose Angled Clamps....100
DeBakey Multipurpose Vascular Clamps....48
DeBakey Multipurpose Vascular Clamps Long....49
DeBakey Partial Occlusion Clamps....46
DeBakey Patent Ductus Clamps....52, 85
DeBakey Pediatric and Adult Vascular Clamps....50
DeBakey Pediatric Multipurpose Clamps....60
DeBakey Potts Scissors....126
DeBakey Renal Artery Clamp....79
DeBakey Ring Handle Bulldog™ Clamps....70
DeBakey Scissors....135
DeBakey Spoon Clamps....47
DeBakey "S" Shaped Peripheral Vascular Clamp....81
DeBakey Suction Tubes....234
DeBakey Tangential Occlusion Clamps....101
DeBakey Technique® Needle Holders....142
DeBakey Thoracic Tissue Forceps....12
DeBakey Titanium Bulldog™ Clamps....171
DeBakey Titanium Needle Holder....177
DeBakey Titanium Pediatric Clamps....163
DeBakey Titanium Ring Handle Needle Holders....177
DeBakey Titanium Tissue Forceps....156
DeBakey Titanium Vascular Clamps....165
DeBakey Ultralight Forceps....13
DeBakey Valve Hook....226
DeBakey Valve Scissors....136
DeBakey Vascular Dilators....237
DeBakey Vascular Scissors....127
DeBakey Vascular Tissue Forceps....12

INDEX

Deborah-Castaneda Partial Occlusion Clamps 53
Deborah-Castaneda Peripheral Vascular Clamps 54
Demos Tibial Artery Clamp 81
Denis Micro Ring Forceps 21
Denis Titanium Micro Forceps 158
Derf Titanium Ring Handle Needle Holder 178
Derra Miniature Anastomosis Clamps 86
Derra Partial Occlusion Clamps 55
Derra Titanium Anastomosis Clamps 164
Desmarres Valve Retractors 220
Diethrich Bulldog™ Clamps 29
Diethrich Caval Occlusion Clamp 87
Diethrich Coronary Artery Clamp 87
Diethrich Delicate Angled Coronary Scissors 130
Diethrich-Potts Vascular Scissors 130
Digitate-Heifetz Needle Holders 152
Dilators .....
Amato Design, Vascular 236
Cooley Design, Vascular 236
DeBakey Design, Vascular 237
Garrett Design, Vascular 238
Hiebert Design, Vascular 239
Valve Dilators 228
Dissectors and Elevators .....
Endarterectomy Dissectors 261
Doering Carotid End Point Micro Rongeur Forceps 75
Doyen Raspatories 185
Duval Lung Tissue Forceps 24

E

Effler-Groves Special Lightweight Bulldog™ Clamp 29
Example Clamp 75

F

Farrell Rubio Retractor 206
Favaloro-Morse Sternal Retractors 201
Favaloro Proximal Anastomosis Clamp 101
Ferguson Long Dissecting Scissors 136
Finochietto Retractors 199
Finochietto Rib Retractor 195
Finochietto Titanium Sternal Retractor 181
Fitch Obturators 262
Forceps .....
CVT 12
Micro Forceps 18
Micro Tying Forceps 19
Tissue Forceps 12
Forceps, Titanium 154
Hemostatic Forceps 160
Micro Forceps 158
Tissue and Dressing Forceps 154
Freer Double-End Elevator 185, 261

G

Garrett Dilator Holders 239
Garrett Vascular Dilators 238
Gerald DeBakey Tissue Forceps 16
Gerald Diama-Grip Dressing Forceps 17
Gerald Dressing Forceps 15
Gerald Tissue Forceps 16
Gerald Titanium Dressing Forceps 157
Gerald Titanium Tissue Forceps 157
Gerbode-Burford Adult Retractor 206
Gerbode-Burford Child Retractor 197
Gerbode Patent Ductus Clamp 102
Gerbode Sternal Retractors 207
Gerbode Technique® Needle Holder 143
Gerbode Valve Dilator 228
Giannini Technique® Needle Holder 147
Gillies Titanium Tissue Forceps 157
Glover Atrial Appendage Clamp 102
Glover Coarctation Clamps 103
Glover Curved Clamps 104
Glover Curved Miniature Pediatric Clamp 61
Glover Patent Ductus Clamps 104
Glover Right Angle Curved Clamps 105
Glover Spoon Shaped Clamps 105
Glover Style Bulldog™ Clamps 30
Glover Titanium Auricular Clamp 167
Glover Titanium Coarctation Vascular Clamps 167
Grant Abdominal Aortic Aneurysm Clamps, "Texas Twister" 121
Gregory Carotid Angled Bulldog™ Clamp 72
Gregory Internal Carotid "Soft" Bulldog™ Clamp 72
Gregory Miniature Vascular Clamps 71
Gregory Profunda Clamps 88
Gregory Technique® Suture "Stay" Clamps 147
Grunwald Suture Guide Holder 224
Guilmet Titanium Dressing Forceps 158

H

Haight Baby Retractor 198
Haight Retractors 214
Haimovici Scissors 137
Hallman Tunneling Forceps 265
Halsey Titanium Ring Handle Needle Holder 178
Halsted Titanium Hemostatic Forceps 160
Harken Clamps 106
Heiss Titanium Clamping Forceps 167
Heitmiller Mini Thoracotomy Retractor 208, 248
Henly Subclavian Artery Clamp 89
Heparin Cannula with Luer-Lok 232
Hess Angular Mosquito Tip Serrefine 31
Hiebert Double-Ended Vascular Dilators 239
Hooks .....
Valve Hooks 226
Howard-DeBakey Aortic Aneurysm Clamps 121
Howell Coronary Technique® Needle Holder 143
Howell Valve Technique® Needle Holder 143
Hufnagel Aorta Clamps 107
Hufnagel Titanium Vascular Clamp 168

I

IMA Retractor 188
Improved Henly Retractors 217
Improved Henly Retractor Side Blades 217
Improved Tucker Mediastinoscope 242
In Situ Venous Valvulotome 241
In Situ Venous Valvulotome Sterilizing Case 240
Insulated Suction Cautery Tube 243
Intracardiac Titanium Ring Handle Needle Holders 179

J

Jackson Alligator Grasping Forceps 244
Jackson Cup Forceps - Extra Lightweight 245
Jackson Cup Forceps - Standard, Medium Lightweight 244
Jacobson Bulldog™ Clamps 31
Jacobson Micro Needle Holder 150
Jacobson Micro-Surgical Needle Holders 151
Jacobson Micro Titanium Needle Holders 175
Jacobson Titanium Castroviejo Needle Holders 175
Jacobson Vascular Scissors 140
Jamison-Metzenbaum Tenotomy Scissors 137
Jamison Technique® Needle Holder 144
Javid Carotid Shunt Clamps 73
Jehle Sterile Coronary Catheters 229
Johns Hopkins (Blalock) Bulldog™ Clamps 32

K

Kaiser-Pilling® Andrews Suction 259
Kaiser-Pilling® Angle Sickle Knife 258
Kaiser-Pilling® Biopsy Forceps 258
Kaiser-Pilling® Blunt Hook 258
Kaiser-Pilling® DeBakey-Type Allis Ring Forceps 257
Kaiser-Pilling® DeBakey-Type Ring Forceps 257
Kaiser-Pilling® Hook 259
Kaiser-Pilling® Long Jaw Ring Forceps 255
Kaiser-Pilling® Short Jaw Ring Forceps 254
Kaiser-Pilling® Spatula 259
Kaiser-Pilling® Suction with Thumb Valve 260
Kaiser-Pilling® Thoracoscopic Forceps 256
Kaiser-Pilling® Tray 260
Kartchner Internal Carotid Clamp 76
Kay Aortic Anastomosis Clamp 109
Kay-Lambert Aortic Anastomosis Clamp 108
Kay Titanium Vascular Clamp 168
Kirklin Sternal Awls 212
Kleinert-Kutz Micro Clip Applying Forceps 36
Kleinert-Kutz Micro Vessel Clips 35

L

Lambert-Kay Aortic Anastomosis Clamp 108
Landreneau Thoracoscopy Tray 252
Landreneau Thoracoscopy Set 252
Lawrence Fine Dissecting Forceps 250
Lebsche Sternum Knife 187
Lees Bronchus Clamps 25
Leland-Jones Clamps 89
Leland-Jones Titanium Vascular Clamps 169
Lemmon Intima Dissectors 261
Lemole-Pilling® Valve Retractor 221
Lemole Self-Retaining Atrial Retractor 222
Lemole Side Arm Extension 223
Lemole-Strong Aorta Clamps 109
Louisville Micro Vessel Approximator with Clips 36
Lovelace Lung Tissue Forceps 25
Luer-Lok® Catheter Adapter 235

M

Maini Richardson Double-Ended Center Blade for Henly Retractor 218
Maini Side Blade for Improved Henly Retractor 218
Marking Ring-Vein Graft 262
Mayo Hegar Titanium Ring Handle Needle Holders 179
McClure Iris Scissors 141
McIndoe Titanium Tissue Forceps 158
Mediastinal Blunt-Tipped Dissecting Forceps 245
Mediastinoscopy 242
Clips and Appliers 247
Instrumentation 243
Mediastinoscopes 242
Scope Holders 246
Meeker Dissecting Forceps 251
Metzenbaum Scissors, Curved 251
Micro Clip Tray 40
Micro Diama-Grip Ring Forceps 20
Micro Grasping Forceps 18
Micro Ring Tip Forceps 20
Micro Surgery Needle Holders 151
Micro Surgery Technique® Needle Holders 148
Micro Titanium Castroviejo Needle Holders 175
Micro Titanium Diama-Grip Tying Forceps 159
Micro Titanium Scissors 172
Micro Vascular Anastomosis Scissors 140
Micro Vascular Nerve Hook 227
Micro Vascular Round Handle Needle Holders 151
Micro Vascular Scissors 131
Micro Vascular Titanium Ring Handle Needle Holders 180
Mills Valvulotome 240
Mini-Aneurysm Bulldog™ Clips and Appliers 40
Miniature Satinsky Reynolds Clamps 61
Miscellaneous CVT 261
Endarterectomy Dissectors 261
Marking Rings 262
Obturators 262
Tourniquet Stylets 263
Tunnelers 264
Mitchell-Adam Multipurpose Clamp 90
Mitchell Aortotomy Clamp 110
Morris Ascending Aorta Clamps 111
Morse-Andrews Suction Tube 233
Morse Sternal Retractors with Double Blades 200
Morse Valve Retractor 220

N

Needle Holders
- Castro-Type Micro Needle Holders 149
- Intracardiac Technique® Needle Holders 181
- Micro Needle Holders 151

Needle Holders, Titanium 175
- Flat Handle Micro Needle Holders 176
- Ring Handle Needle Holders 177
- Round Handle Micro Needle Holders 175

Nelson Tissue Forceps 17
Neurofeel Micro Scissors 140
Nicholas-Jehle Sterile Multi-Headed Perfusion Catheter 229
Norris Sponge Holding Forceps 246

O

Obturators 262
Ochsner-Favaloro Improved Retractor Set with Rail Clamps 191
Ochsner-Favaloro Retractor Parts 192
Ochsner-Favaloro Retractor Set 192
Offset Metzenbaum Scissors 138
Olivekrona Double-End Dissectors 261
O'Neill Double Curved Clamp 112
Original Henly Popliteal Retractor 218
O'Shaughnessy Titanium Clamping Forceps 169

P

Parsonnet Epicardial Retractor 188
Patterson Elongated Cup Biting Forceps 245
Pediatric Titanium Sternal Spreader 181
Pediatric Universal Clamps 219
Pennington Grasping Forceps 249
Pilling® Coronary Potts Scissors 129
Pilling® Extra-Light Technique® Needle Holders 144
Pilling® IMA Retractor 191
Pilling® Intracardiac Technique® Needle Holders 145
Pilling® Long 1 mm Pediatric Clamps 43
Pilling® Micro Vascular Set 266
Pilling® Miniature Pediatric Clamps 62
Pilling® Multipurpose Retractors 216
Pilling® Ratchet Lock 123
Pilling® Ruskin Rongeur 182
Pilling® Short 1 mm Pediatric Clamps 44
Pilling® Sternal Retractor and Rib Spreader Dimensions 210
Pilling® Stille-Luer Duckbill Rongeur 183
Pilling® Thin Vascular and Coronary Technique® Needle Holders 145
Pilling® Vascular Access Set 268
Pilling® Vascular Clamps 41
Pilling®-Wolvek Sternal Approximation and Fixation System 211
Potts Micro Titanium Scissors 174
Potts Scissors 131
Potts-Smith Dissecting Scissors 138
Potts Smith Scissors 132
Potts-Smith Vascular Scissors 133
Potts Tenotomy Scissors 138
Preemie Retractor 195
Premium Diamond-Edge Aortic Punch, Full Length 230
Premium Diamond-Edge Aortic Punch, Mid-Length 230

Punches
- Aortic Punches 230
- Reusable Punches 231

R

Rail Clamps 193
Ratchet Lock 123
Renal Artery Titanium Vascular Clamp 170
Renal Perfusion Clamps 38
Replacement Stylet for Rumel Tourniquet 263
Replogle Pediatric Aorta Cross Clamp 57
Replogle Infant Sternal Retractor 198

Retractors
- Hand-Held 212
- Henly-Type Retractors 216
- IMA 188
- Pilling® Sternal Retractor and Rib Spreader Dimensions 209
- Sternal Closure 211
- Sternal Retractors/Rib Spreaders 195
- Titanium Instruments 181
- Valve Retractors 219

Revuelta-Garcia Allis Curved Clamps 25
Revuelta-Garcia Valve Leaflet Retractor 220
Revuelta-Garcia Valve Mirror 227
Revuelta-Garcia Valve Scissors 139

Rib Instruments 182
- Approximators 184
- Raspatories and Periosteal Elevators 184
- Rib Shears / Sternum Cutters 186
- Rongeurs 182

Rienhoff Retractors 204
Rizzuti Angled Micro Clip Applying Forceps 37

Rongeurs
- Aortic Valve Rongeurs 225
- Rib Shears / Sternum Cutters 186

Roos Brachial Plexus Root Retractor 215
Roos First Rib Shear 186
RRubio Technique® Wire Twister 153
Ryder Extra-Fine Technique® Needle Holders 146

S

Santulli Angular Model Bulldog™ Clamp 32
Sarot Bronchus Clamps 26
Satinsky Clamps 113
Satinsky Scissors 139
Satinsky Titanium Vascular Clamps 170
Sauerbruch Rongeurs 183
Schumaker Angular Aorta Clamps 114
Schwartz Clamp Holding Forceps 37
Schwartz Micro-Bulldog™ Clamps 37

Scissors
- CVT 135
- Potts-Style Scissors 124, 138
- Titanium Micro Scissors 172
- Titanium Scissors 172
- Vascular and Cardiac Scissors 135
- Venous Valve 141
- You-Potts Scissors 134

Semb Dissecting Forceps 22
Semb Ligature Forceps 22
Senning Featherweight Bulldog™ Clamps 33

Shears 186
- Rib Shears/Sternum Cutters 186

Singley Tissue Forceps 18
Sisson Nerve Hook 227
Spencer Coronary Technique® Needle Holder 148
Stille Pattern Rib Shears 187
Stoney Deep Aorta Clamps 114
Stoney Spleno-Renal Shunt Clamp 79
Straight DeBakey Grasping Forceps 250
Straight Masher Grasping Forceps 249
Straight Single Action Needle Holder 251
Strong Aorta Clamps 110
Strong T-Bar Retractor System 194
Strong T-Bar Unilateral System Components 194
Strully Probed Tip Scissors 139
Stylet for Rumel Tourniquet, Child Size 263
Stylet for Weck®-Style Rumel Tourniquet 263
Sweet Modified Sternal Punch 212

T

Temporary Occlusion Clips 36
Tew Tying Forceps 19
The Bush™ Retrograde Valvulotome 241
The Pilling® Vascular Access Set 268
Thompson Carotid Closure Clamp 77
Thompson Clamp 76

Thoracoscopy 248
- Kaiser-Pilling™ Thoracoscopic Forceps 256
- Landreneau Design 248
- Video Assisted 248

Thru-Cut Forceps 516
Tissue Forceps 12

Titanium Instruments: Forceps and Clamps 154
- Bulldog™ Clamps 171
- Hemostatic Forceps 160
- Micro Forceps 158
- Pediatric Vascular Clamps 161
- Tissue and Dressing Forceps 154
- Vascular Clamps 164

Titanium Instruments: Needle Holders 175
- Flat Handle Micro Needle Holders 176
- Ring Handle Needle Holders 177
- Round Handle Micro Needle Holders 175

Titanium Instruments: Retractors 181

Titanium Instruments: Scissors 172
- Micro Scissors 172

Tobey Laryngoscope Holder 246
Transplant Donor Sternal Retractors 208
Tubbs Valve Dilator 228
Tuffier Retractor 204
Tuttle Thoracic Tissue Forceps 18

U

Urschel First Rib Rongeur 183
Urschel-Leksell Rongeur 182

V

Valve Instruments 219
- Aortic Valve Rongeurs 225
- Coronary Perfusion Catheters 229
- Suture Rings 224
- Valve Dilators 228
- Valve Hooks 226
- Valve Retractors 219
- Valve Sternal Blade Assembly 190

Valvulotomes 240
- Antegrade Cut 240
- Bush 241
- *In Situ* 240
- Mills-Type 240

Valve Sternal Blade Assembly 190
Valvulotome Antegrade Cut 240
Vascular Access Set 268

Vascular Clamps 41
- Aortic Aneurysm Clamps 116
- Aortic Compressor 123
- Aortic Vascular Clamps 96
- Carotid Clamps 72
- Carotid Clamps, 1 mm Jaw 75
- Carotid Clamps, 1.5 mm Jaw 77
- Cooley Vascular Clamps 90
- Femoral-Popliteal Clamps 80
- Pediatric Clamps, 1 mm Jaw 43
- Pediatric Clamps, 1.5 mm Jaw 45
- Pediatric Clamps, 2 mm Jaw 57
- Pediatric Clamps, Cooley-Type Jaw 63
- Peripheral Vascular Clamps 81
- Renal Clamps 78
- Ring Handled Bulldog™ Clamps 70

Vascular DeBakey Bayonet Tissue Forceps 14

Vascular Dilators 236
- Amato Design 236
- Cooley Design 236
- DeBakey Design 237
- Garrett Design 238
- Hiebert Design 239

Venous Valve Scissors 141

Video Assisted Thoracoscopy 248
- Kaiser-Pilling™ Design 254
- Landreneau Design 249
- Retractors 248

W

Wheeler Technique® Plaque and Vessel Forceps 17
Wilcox Pediatric Cardiac Retractor 196
Willauer-Allis Tissue Forceps 26
Wire Twisting Forceps 153
Wirthlin Spleno-Renal Shunt Clamp 79
W.M. Lemmon Technique® Needle Holders 146

Wood Bulldog™ Clamps 34
Wylie Abdominal Aorta Clamp 122
Wylie Calcified Arterial Punch 231
Wylie Carotid Closure Clamp 73
Wylie Carotid Dissecting Clamp 73
Wylie External Carotid Clamp 74
Wylie Hypogastric Clamp 74
Wylie Internal Carotid Clamp 74
Wylie "J" Aortic Clamps 115
Wylie Lumbar Bulldog™ Clamp 34
Wylie Renal Vein Retractors 215

Y

Yasargil Vascular Scissors 134
You-Potts Vascular Scissors 134

Z

Zanger Abdominal Aorta Clamps 122

INDEX

Item Number

0

060120 227
065100 35
065105 35
065108 36
065109 36
065110 35
065111 35
065125 35
065145 35
065155 36
065172 36
065173 36
065175 37
065199 40
066200 152
066204 152

1

131114A 249
142521 152
142550 211
152818 ..... 149, 270
152819 149
152825 151
152827 151
162310 233
164865 213
165439 270
166002 194
166868 253
183010 23
183020 23

2

211116A 249
211117A 249
211118A 250
211245A 250
211290A 251
211325A 251
211500 252
211600 252
211603A 250

3

341100 194
341112 194
341113 194
341114 244
341114 194
341120 191
341123 192
341124 192
341126 192
341127 192
341128 192
341129 192
341131 193
341133 193
341136 191
341139 191
341147 189
341148 190
341149 190
341150 ..... 188, 210
341154 190
341155 ..... 189, 210
341156 190
341158 ..... 200, 209
341160 ..... 200, 209
341162 ..... 200, 210
341163 ..... 201, 210
341164 ..... 201, 210
341170 ..... 206, 210
341175 ..... 202, 210
341177 ..... 202, 209
341178 ..... 202, 209
341180 ..... 207, 210
341181 ..... 207, 210
341194 ..... 201, 210
341195 ..... 201, 210
341198 ..... 205, 210
341200 ..... 197, 209
341205 ..... 198, 209
341224 ..... 206, 210
341225 ..... 205, 210
341227 ..... 205, 210
341250 ..... 197, 209
341290 ..... 195, 209
341296 ..... 198, 209
341302 ..... 195, 209
341303 ..... 196, 209
341304 ..... 196, 209
341305 ..... 196, 209
341310 ..... 208, 782
341312 ..... 195, 209
341315 ..... 196, 209
341317 ..... 197, 209
341326 ..... 199, 209
341328 ..... 199, 209
341330 ..... 199, 210
341332 ..... 199, 210
341362 ..... 204, 209
341366 ..... 204, 209
341387 208
341389 ..... 208, 210
341390 ..... 204, 209
341397 ..... 203, 209
341398 ..... 203, 209
341448 184
341450 184
341460 184
341501 ..... 189, 221
341502 221
341503 221
341506 221
341511 221
341512 221
341513 221
341514 222
341515 223
341520 ..... 189, 221
341522 ..... 189, 221
341523 ..... 189, 221
341524 ..... 189, 221
341525 ..... 189, 221
341531 219
341650 214
341651 214
341678 212
341679 212
341690 214
341692 214
341694 214
341696 214
341698 214
341795 215
341797 215
341803 183
341836 182
341950 186
341960 186
341961 186
341980 187
341985 186
341992 215
342000 211
342002 211
342004 211
342006 211
342008 211
342015 224
342020 187
342025 188
342040 212
342043 212
342044 212
342102 183
342105P 183
342107 183
342141 183
342142 182
342143 182
342160 135
342162 135
342166 135
342167 135
342168 135
342169 135
342200 136
342201 136
342202 136
342203 136
342204 136
342206 136
342220 137
342221 137
342222 137
342223 137
342275 136
342655 24
342660 23
342662 23
342664 23
342670 24
342672 24
342675 25
342710 22
342711 22
342720 26
342721 26
342725 23
342726 23
342800 25
342802 25
342804 23
342822 26
342823 26
342933 18
342935 18
342950 17
342980 12
342981 12
342982 12
342984 12
342986 12
343000 143
343030 ..... 152, 211
343145 184
343148 185
343149 185
343152 185
343153 185
343295 235
343393 193
343590 27
351316 262
351318 262
351348 153
351349 153
351470 229
351472 229
351474 229
351476 229
351490 229
351500 234
351501 234
351502 234
351504 234
351505 233
351506 234
351547 233
351560 232
351573 232
351574 232
351575 ..... 232, 271
351576 232
351577 232
351578 232

351586 232
351587 232
351593 232
351594 232
351645 95
351646 95
351650 95
351651 95
351652 95
351653 95
351654 95
351661 218
351664 218
351666 216
351667 216
351668 216
351669 216
351670 216
351671 216
351672 216
351673 216
351675 216
351676 217
351677 217
351678 217
351679 217
351680 217
351715 123
351737 227
351743 25
351744 25
351745 139
351747 220
351748 17
351749 226
351750 223
351752 223
351754 223
351755 223
351763 223
351767 220
351768 220
351769 220
351770 220
351771 220
351772 220
351773 219
351774 219
351779 218
351780 220
351783 222
351784 216
351785 226
351788 219
351789 219
351790 219
351791 219
351800 12
351801 14
351802 12
351803 14
351803DG 14
351804 12
351806 14
351808 12
351810 12
351812 12
351814 12
351815 13
351817 13
351818 13
351819 13
351820 13
351821 13
351824 13
351825 ..... 17, 271
351827 ..... 17, 271
351829 17
351830 ..... 147, 271
351831 147
351837 15
351838 15
351839 15
351843 14
351845 14
351900 15
351901 16
351901DG 17
351902 15
351905 16
351907 16
351908 16
351909 16
351910 16
351970 244
352132P 125
352133 125
352134 125
352135 125
352136 125
352140 131
352144 141
352145 ..... 141, 271
352146 130
352147 130
352148 130
352149 130
352150 132
352151 128
352152 132
352153 128
352154 132
352155 128
352162 130
352164 129
352165 129
352166 129
352167 129
352168 129
352169 124
352170 132
352171 132
352173 127
352174 127
352177 127
352178 129
352180 135
352181 135
352183 135
352184 135
352185 127
352187 126
352191 127
352196 127
352197 127
352199 136
352232 135
352295 139
352297 137
352298 137
352598 224
352605 240
352606 141
352607 141
352610 240
352611 240
352612 241
352613 241
352614 241
352615 228
352630 228
352680 241
352681 241
352682 241
352683 241
352690 241
352691 241
352692 241
352693 241
352705 236
352800 225
352802 225
352804 225
352806 225
352808 225
352810 225
352825 231
353001 32
353002 32
353003 32
353011 ..... 32, 271
353012 32
353014 32
353016 32
353025 31
353035 35
353040 37
353041 37
353042 37
353043 37
353050 28
353052 28
353054 28
353056 28
353060 28
353062 28
353064 28
353066 28
353070 32
353075 34
353077 72
353078 72
353080 72
353085 72
353086 73
353087 73
353100 30
353102 30
353105 30
353110 30
353112 30
353115 30
353120 30
353123 34
353124 34
353125 34
353126 34
353127 34
353128 34
353131 31
353132 31
353135 33
353136 33
353137 33
353138 33
353140 38
353142 38
353150 29
353151 29
353152 29
353153 29
353154 29
353155 29
353182 70
353183 71
353186 70
353187 71
353187 270
353189 70
353190 ..... 71, 270
353192 70
353195 70
353203 263
353206 263
353207 263
353490 89
353491 89
353492 89
353494 88
353495 88
353496 88
353500 84
353503 84
353510 85
353513 85
353515 79
353522 79
353524 79
353528 80
353531 78
353532 78
353533 78
353534 78
353535 82
353536 87
353538 89
353539 98
353540 81
353541 80
353542 80
353543 80
353545 82
353546 101
353550 84
353560 83
353562 83
353565 83
353567 83
353568 81
353569 73
353570 74
353571 74
353580 109
353581 110
353582 109
353583 110
353584 109
353585 108
353586 108
353588 110
353595 122
353596 122
353597 122
353600 ..... 118, 271
353602 118
353605 118
353607 118
353609 121
353610 121
353617 111
353618 111
353619 111
353620 107
353622 107
353623 97
353625 120
353626 120
353627 120
353630 119
353631 119
353632 119
353635 119
353639 90
353640 21
353641 116
353642 116
353643 116
353645 22
353646 22
353647 21
353650 117
353651 121
353653 121
353655 115
353656 115
353657 74
353658 122
353660 101
353662 101
353664 101
353666 101
353668 101
353670 101
353672 114
353674 114
353680 100
353682 100
353684 100
353686 100
353690 100
353692 100
353694 100
353696 100
353700 87
353800 104
353802 104
353806 102
353810 103
353812 103
353815 103
353817 103
353825 104
353827 104
353835 105
353837 105
353840 105
353842 105
353860 114
353862 114
353865 114
354000 113
354002 113
354004 113
354005 113
354010 113
354031 106
354032 106
354033 106
354034 106
354084 97
354087 97
354100 98
354102 98
354125 64
354135 86
354136 86
354137 86
354165 112
354170 102
354180 61
354185 61
354190 58
354191 58
354320 123
354400 50
354402 50
354404 50
354406 50
354408 51
354410 51
354412 51
354414 52
354416 52
354420 47
354422 47
354424 47
354427 57
354428 45
354430 45
354432 45
354434 48
354435 59
354436 48
354438 48
354442 49
354444 49
354446 49
354448 52
354450 54
354452 54
354454 54
354456 53
354458 53
354460 53
354462 53
354464 55
354466 55
354468 55
354470 55
354472 55
354474 56
354476 56
354482 56
354484 56
354486 56
354488 46
354490 46
354494 46
354496 46
354500 99
354501 99
354720 62
354721 62
354722 62
354723 62
354724 62
354729 59
354730 59
354735 60
354737 60
354739 60
354750 57
354755 61
354800 69
354801 69
354802 69
354803 69
354804 69
354805 68
354806 68
354807 68
354808 69
354810 64
354815 67
354816 67
354817 67
354826 65
354827 65
354830 65
354835 66
354836 66
354839 90
354845 64
354847 68
354900 142
354902 142
354904 142
354906 142
354908 142
354915 146
354916 146
354917 146
354920 143
354928 143
354931 142
354941 144
354958 145
354959 145
354960 145
354961 145
354962 145
354964 ..... 148, 270
354964DG 149
354965 148
354965DG 149
354966 148
354967 148
354969 148
354971 147
354972 149
354973 149
354974 149
354975 149
354981 144
354982 144
354985 145
354986 145
354987 145
354988 145
354990 146
354992 146
354994 146
354996 146
354998 146
355080 238
355081 238
355082 238
355083 238
355084 238
355085 238
355086 238
355087 238
355088 238
355089 238
355090 238
355091 238
355092 238
355093 238
355094 238
355095 238
355096 238
355097 238
355098 238
355099 238
355100 239
355101 239
355175 226
355180 261
355182 261
355184 261

355186 261
355191 261
355192 261
355194 185
355194 261
355196 73
355198 75
355275 ..... 239, 270
355276 ..... 239, 270
355277 ..... 239, 270
355278 ..... 239, 270
355285 237
355286 237
355287 237
355288 237
355290 237
355291 237
355292 237
355295 237
355296 237
355297 237
355298 237
355299 237
355300 237
355301 237
355302 237
355303 237
355304 237
355305 237
355306 237
355309 236
355310 236
355311 236
355312 236
355313 236
355314 236
355315 236
355493 265
355495 265
355497 264
355500 264
355558DG 149
355559DG 149
355560DG 149
355810 261
355819 29
355830 262
355832 262
355834 262
355838 262
356000 15
356002 15
356003 15
356025 95
356027 91
356028 91
356031 95
356040 94
356041 94
356045 91
356046 91
356051 93
356052 93
356053 93
356060 116
356070 92
356071 92
356072 92
357100 44
357102 44
357106 44
357110 44
357180 75
357185 75
357191 43
357192 43
357194 76
357195 77
357197 76
357198 77
357200 43
357202 43
357262 43
357270 43
357302 63
357304 63
357306 63
357308 63
357310 63
357532 227
357580 39
357581 39
357582 39
357583 39
357586 39
357590 40
357591 40
357592 40
357593 40
357594 134
357595 134
357601 151
357603 151
357603DG 150
357622 134
357623 140
357642 134
357643 134
357645 20
357645DG 20
357647 20
357647DG 20
357648 20
357648DG 20
357650 266
357651 ..... 140, 266
357652 ..... 140, 266
357653 ..... 134, 266
357654 ..... 151, 266
357655 ..... 151, 266
357656 ..... 151, 266
357656DG 149
357657 ..... 151, 266
357658 ..... 19, 266
357659 ..... 19, 266
357660 ..... 19, 266
357661 ..... 19, 266
357667 151
357672 151
357674 151
357675 151
357676 151
357676DG 149
357677 151
357677DG 149
357681 18
357690 131
357691 131
358001 150
358002 150
358003 150
358007 21
358344 185
359003 172
359006 172
359016 174
359017 174
359018 174
359019 174
359020 174
359021 156
359022 156
359024 156
359025 156
359027 156
359028 156
359029 156
359030 156
359031 156
359032 156
359033 159
359034 159
359036 159
359037 159
359042 159
359043 154
359048 157
359049 157
359050 158
359051 157
359052 155
359053 155
359054 158
359055 176
359058 176
359059 176
359061 176
359062 176
359063 176
359069 175
359071 175
359073 175
359074 175
359075 175
359080 179
359082 179
359083 178
359085 178
359092 180
359093 180
359097 180
359099 177
359102 177
359103P 177
359104 177
359105 177
359110 179
359111 179
359112 179
359113P 179
359118 180
359119 180
359122 171
359123 171
359124 171
359127 171
359128 171
359131 171
359138 167
359139 167
359152 168
359159 166
359160 168
359161 165
359162 165
359163 165
359169 169
359170 169
359171 169
359173 166
359181 166
359183 166
359184 166
359185 165
359186 165
359187 165
359188 165
359191 170
359193 170
359194 167
359195 166
359201 161
359206 161
359208 161
359209 162
359210 162
359211 162
359212 162
359213 162
359214 162
359215 162
359221 163
359236 164
359237 164
359238 170
359250 172
359253 172
359259 173
359260 173
359261 173
359262 173
359263 173
359264 173
359265 173
359266 173
359267 173
359268 173
359269 173
359270 173
359271 173
359272 173
359273 173
359274 173
359275 173
359276 173
359277 173
359278 173
359279 173
359280 173
359281 173
359282 173
359283 159
359284 159
359296 160
359299 160
359307 160
359313 169
359314 167
359321 169
359325 164
359328 176
359329 176
359335 176
359339 176
359340 175
359342 175
359343 175
359344 176
359345 176
359346 176
359347 176
359349 176
359350 176
359352 176
359353 181
359354 163
359355 163
359356 163
359357 163
359358 163
359359 154
359360 155
359361 154
359381 177
359382 180
359383 181
359401 175
359402 175
359403 175
359407 158
394430 19
394431 19
395115 140
395128 140

4

429594 266
462530 139
466225 15
481220 213
481230 213
481231 213

5

502248 246
505100 244
505104 244
505110 245
505112 245
505114 245
505116 245
505230 245
505400 244
505420 244
506707 247
506742 247
506743 247
506744 247
506746 247
506747 246
506748 245
506749 247
507045 243
507046 243
507335 234
507336 235
507453 243
507454 243
536220 233

6

640200 138
640205 138
640210 133
640212 133
640214 133
640216 133
640225 133
640245 133
640260 133
640280 138

8

841000 253
841010 ..... 253, 255
841011 ..... 253, 255
841012 ..... 253, 255
841013 ..... 253, 255
841014 255
841015 255
841016 255
841030 253
841031 253
841032 253
841033 253
841034 254
841050 ..... 253, 257
841051 ..... 253, 257
841052 ..... 253, 257
841100 ..... 253, 258
841101 ..... 253, 258
841150 257
841160 256
841161 256
841300 ..... 253, 259
841301 ..... 253, 259
841302 259
841330 258
841350 ..... 253, 260
841351 ..... 253, 259
841400 ..... 253, 259
841401 258
841951 ..... 253, 260

DP

DP-28K 230
DP-36K 230
DP-40K 230
DP-44K 230
DP-48K 230
DP-52K 230
DP-56K 230
DP-60K 230

MDP

MDP-28K 230
MDP-36K 230
MDP-40K 230
MDP-44K 230
MDP-48K 230
MDP-52K 230
MDP-56K 230
MDP-60K 230

INDEX