



Acheron Instruments

CARDIOVASCULAR & THORACIC (CVT) INSTRUMENTS CATALOGUE

World-Class High Quality





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ACHERON® SURGICAL INSTRUMENTS

Quality That Builds Confidence



Acheron's Instruments have been provided to surgeons across the world to help improve the standard of patient care. The Acheron Brand is especially known globally in the CVT and ENT specialties with numerous proprietary instruments co-developed with leading surgeons in these fields.

Over the years, the Acheron Instruments 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 Acheron Branded instruments to meet their new requirements.

Today, the Acheron Instruments continues its legacy in providing high quality, hand-crafted instrumentation that meets the surgeon's requirements.



🏭 Production Unit: Industrial Estate Shahab Pura, Ugoki Road, Near Saga Chowk Sialkot, Pakistan.

🏢 Head Office: Building # 349 Block A, Jubilee Town Canal Road Lahore, Pakistan. ☎ +92 333 430 1417, +92 307 430 9880

🌐 URL: www.acheron-instruments.com ✉ info@acheron-instruments.com, instruments.acheron@gmail.com

ACHERON INSTRUMENTS®

Helps you make the right choices.



ACHERON INSTRUMENTS Branded surgical instruments are made from 100% German/ Japanese/ French Stainless Steel ASTM 410 and 420 Grade to ensure the highest quality and impeccable functionality. These 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.

Acheron Forceps and Scissors are made of the finest stainless steel, processed to obtain optimum corrosion resistance, resilience and strength.

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

Acheron DeBakey Jaws are designed to clamp and hold without slipping. Cardiovascular clamps featuring these jaws will grip tissue delicately but firmly, or will completely occlude a vessel, reducing the danger of crushing or causing undue damage to the intima.

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. Acheron 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 Acheron.

ACHERON® SURGICAL INSTRUMENTS

Guarantee/Warranty



This warranty information may be modified from time to time by ACHERON. Please check the ACHERON Instruments online catalog website for the most current warranty information: **www.acheron-instruments.com**

Except as provided below, all surgical instruments stamped or etched with the Acheron Brand shall be free from manufacturing defects in material or workmanship for the life of the instrument. Acheron's sole responsibility under all warranty shall be, at Acheron's option, This guarantee is void if instruments are not maintained or repaired properly, or if they are not used for their intended surgical purpose.

NEEDLE HOLDERS

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

TUNGSTEN CARBIDE INSERTS

Acheron 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

Acheron 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 Acheron'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 Acheron 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 Acheron's option, free of charge.

This limited warranty is the only warranty provided by Acheron. Acheron disclaims all other warranties, either express or implied, including but not limited to implied warranties of merchantability and fitness for particular purpose. In no event shall Acheron 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.

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

Head Office/ Mailing Address:

Building # 349 Block A, Jubilee Town
Canal Road Lahore , Pak-istan.

Corporate Office:

Building # 381 Block E, 1st Floor Johar
Town Lahore , Pakistan.

Production Unit # 1:

Building # 4, 1st Floor, Street # 2
Wakil Town, Muradpur Street-
Korpur, Marala Road Sialkot,
Pakistan

Production Unit # 2:

Shahab Pura, Ugoki Road near
Saga Chowk Sialkot-Pakistan

Phone:

Call: +923334301417

Whatsapp: +923004301497

To make an inquiry or to place an order in
the **Pakistan**, please contact Customer
Service at +923074309880 or
info@Acheron-instruments.com



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Head Office: Building # 349 Block A, Jubilee Town Canal Road Lahore, Pakistan. © +92 333 430 1417, +92 307 430 9880

URL: www.acheron-instruments.com info@acheron-instruments.com, instruments.acheron@gmail.com

CARE AND CLEANING



High quality surgical instruments are typically made from surgical grade stainless steel (i.e., 410, 420, etc.). The grade varies by manufacturer and by type of instrument. For example, a scissor may be fabricated of 420 stainless steel to enable the blades to be hardened adequately for long life. A forceps on the other hand usually does not require the same hardness, and may be fabricated from a 410 grade.

Malleable retractors are made of yet another grade. The grade of stainless steel selected for specific instruments is critical for long serviceability. The grade of steel reflects its hardness and its resistance to corrosion. Unfortunately, there is an inverse relationship; that is, the more the steel can be hardened, the greater its susceptibility to corrosion.

In an effort to reduce corrosion problems, Acheron specially treats (passivates) its instruments to make the surface less chemically active with its environment. All Instruments feature this special high gloss finish. This finish reduces the number of pits in the instrument, which in turn reduces the number of sites where corrosion can occur. These steps are necessary due to the environment, which is very harsh as a consequence of the composition of blood and other fluids, the chemicals used to clean and disinfect the instruments, and finally the methods used to sterilize them.

USE

Use instruments for their intended purpose only.

CLEANING

Instruments should be thoroughly cleaned with cleaners such as: Liquid Detergent, Instrument Cleaner as soon as possible after use. Once blood or other foreign matter has dried, removal is very difficult.

If left in place these contaminants can provide sites for corrosion to begin. Distilled water (pH near 7) is recommended for soaking and cleaning instruments. If cleaning manually, avoid use of wire brushes or abrasive powders as these can create sites for corrosion. An ultrasonic cleaner is recommended.

CARE

After a thorough cleaning, instruments with moving parts should be lubricated to keep surfaces lubricated. It is important to use water soluble lubricating agents only.

STERILIZATION

The use of repeated flash cycles is damaging to instruments; therefore, a standard steam cycle is preferred. Instruments should be arranged in an open position and instruments fabricated from different metals should be separated to avoid electrochemical reactions. Refer to the sterilizer manufacturer's instructions and guidelines for proper sterilization techniques

To locate Instructions For Use (IFU) and Cleaning and Sterilization Instructions for acheron® Instruments, go to: www.acheron-instruments.com

POLICIES AND PROCEDURES



TERMS AND CONDITIONS

Standard terms are; F.O.B. shipping point, unless otherwise approved in writing by Acheron.

All orders are subject to approval and acceptance by Acheron.

Acheron 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, Acheron 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. Acheron'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 Acheron Head Office mailing address

The goods should also be accompanied by a copy of the invoice or packing list and a return goods authorization number. 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



Acheron Instruments

(Manufacturers & Exporters of Surgical, Dental, Ophthalmic, Laparoscopy, Veterinary & Beauty Instruments)

YOUR
HEALTH
IS OUR
MAIN
CONCERN



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INSTRUMENTATION SERVICES

In addition to providing our customers with a comprehensive product line of surgical instruments, Acheron also offers the following services:

- Custom Instruments Service
- Complimentary Instrument Etching
- Special Instrument Finishes

For more information on these services, please contact your Acheron® Sales Specialist or customer service at +923074309880





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SCALES AND GAUGES



CONVERSION SCALE

TO CONVERT FROM	TO	MULTIPLY BY
Ounces (AVDP.)	Grams	28.349523
Ounces (APOTH.)	Grams	31.103486
Grains	Grams	0.06479891
Pounds (AVDP.)	Kilograms	0.45359237
Inches	Centimeters	2.54
Feet	Meters	0.3048
Yards	Meters	0.9144
Ounces (U.S. Fluid)	Cubic Centimeters	29.573730
Ounces (British Fluid)	Cubic Centimeters	28.41305
Quarts (U.S. Fluid)	Liters	0.9463264
Cubic Inches	Cubic Centimeters	16.387064
Grams	Grains	15.432358
Grams	Ounces (AVDP.)	0.35273962
Grams	Ounces (APOTH.)	0.32150737
Kilograms	Pounds (AVDP.)	2.2046226
Millimeters	Inches	0.039370079
Centimeters	Inches	0.39370079
Meters	Feet	3.2808399
Cubic Centimeters	Cubic Inches	0.61023744
Cubic Centimeters (Fluid)	Ounces (U.S. Fluid)	0.33814023
Liters	Quarts (U.S. Fluid)	1.056718

FAHRENHEIT AND CENTIGRADE SCALES

F°	C°
500	260
401	205
392	200
383	195
374	190
356	180
347	175
338	170
329	165
320	160
311	155
302	150
284	140
275	135
266	130
248	120
239	115
230	110
212	100
203	95
194	90
176	80
167	75
140	60
122	50
113	45
105	40.56
104	40
100	37.8
98.5	36.9
95	35
86	30
77	25
68	20
50	10
41	5
32	0
23	-5
14	-10
+5	-15
-4	-20
-13	-25
-22	-30
-40	-40
-76	-60

SCALES AND GAUGES



COMPARATIVE SCALES OR GAUGES

DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
1/3		1	
1/2	1		
2/3		2	
1	2	3	
1-1/3		4	
1-1/2	3		
1-2/3		5	
2	4	6	
2-1/3		7	1
2-1/2	5		
2-2/3		8	2
3	6	9	3
3-1/3		10	
3-1/2	7		
3-2/3		11	4
4	8	12	5
4-1/3		13	
4-1/2	9		
4-2/3		14	
5	10	15	6
5-1/3		16	7
5-1/2	11		
5-2/3		17	8
6	12	18	9
6-1/3		19	10
6-1/2	13		
6-2/3		20	11

DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
7	14	21	
7-1/3		22	12
7-1/2	15		
7-2/3		23	13
8	16	24	
8-1/3		25	14
8-1/2	17		
8-2/3		26	15
9	18	27	16
9-1/3		28	17
9-1/2	19		
9-2/3		29	
10	20	30	18
10-1/3		31	19
10-1/2	21		
10-2/3		32	20
11	22	33	21
11-1/3		34	22
11-1/2	23		
11-2/3		35	23
12	24	36	24
12-1/3		37	25
12-1/2	25		
12-2/3		38	26
13	26	39	27
13-1/3		40	28

0 in

1

2

3

4

5

6

7

8

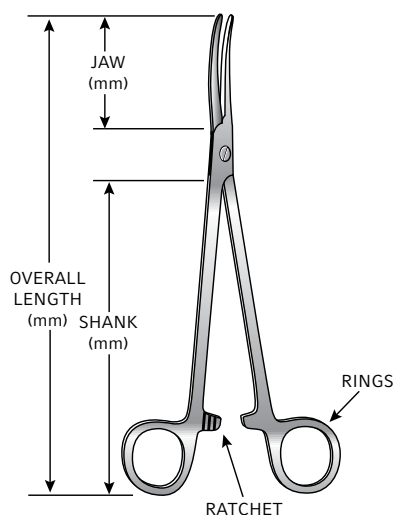
9

GENERAL INFORMATION



MEASURING GUIDELINES AND COMMON JAW PATTERNS OF SURGICAL INSTRUMENTS

High quality, handcrafted instrument measurements will vary slightly. Instruments in this catalog are stainless steel unless otherwise noted.



COMMON JAW SURFACES FOUND ON HEMOSTATS AND CLAMPS

SERRATIONS

HORIZONTAL

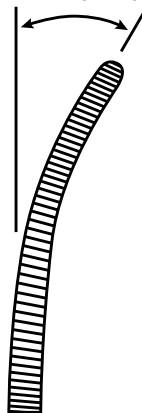
LONGITUDINAL

CROSS



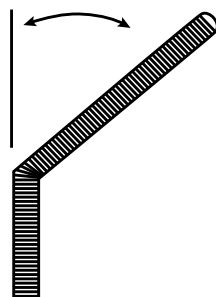
JAW CURVATURE

DEGREES



JAW ANGLE

DEGREES



JAW CROSS SECTIONS

RELATIVE SIZE

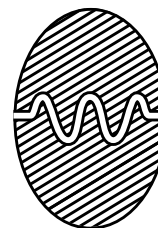
ENLARGEMENT



DEBAKEY-TYPE 1 x 2



DEBAKEY-TYPE 2 x 3



COMMON SURFACES FOUND ON NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS



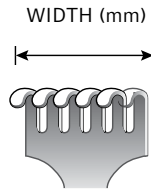
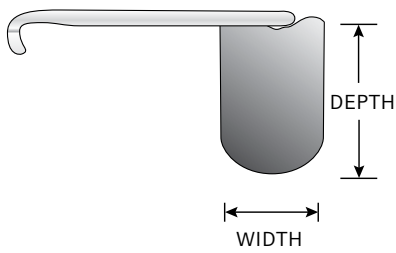
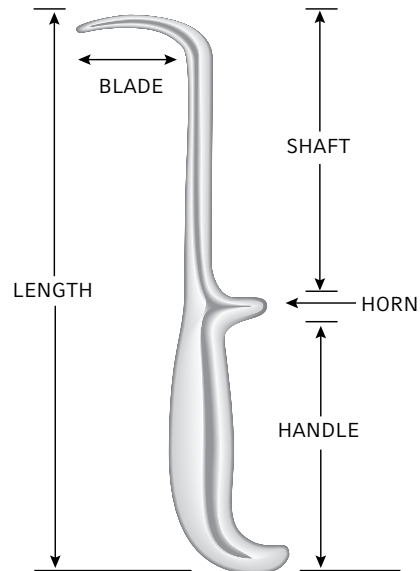
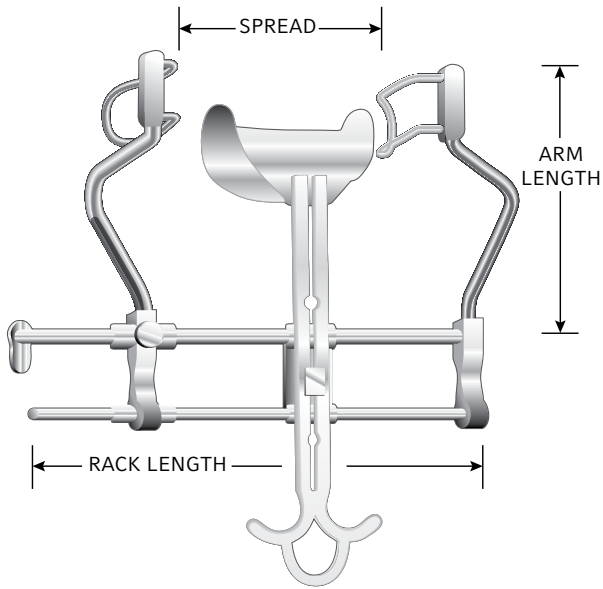
SMOOTH

2500
TEETH/SQ. IN.4000
TEETH/SQ. IN.7000
TEETH/SQ. IN.

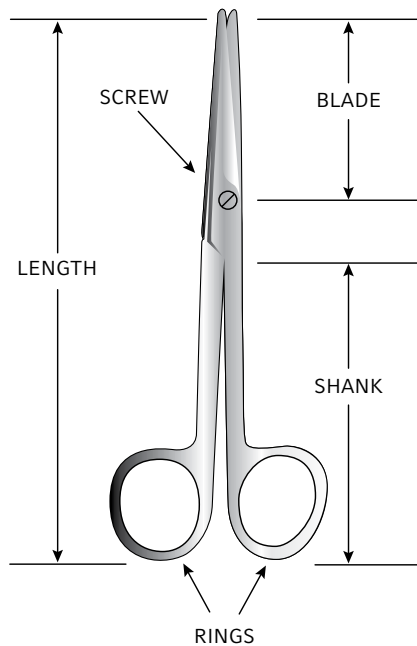
COOLY



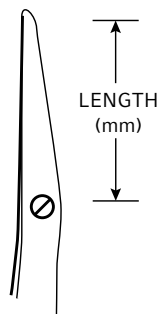
FROM INNER SURFACE OF SIDE BLADES



RING HANDLE

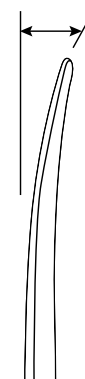


BLADE LENGTH



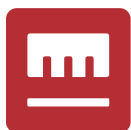
BLADE CURVATURE

DEGREES



Overview





CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS



CHAPTER OVERVIEW

The Acheron Brand is recognized worldwide for excellence achieved in the area of Cardiac, Vascular and Thoracic (CVT) surgical instrumentation. Proprietary 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.

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 CVT Instruments includes:

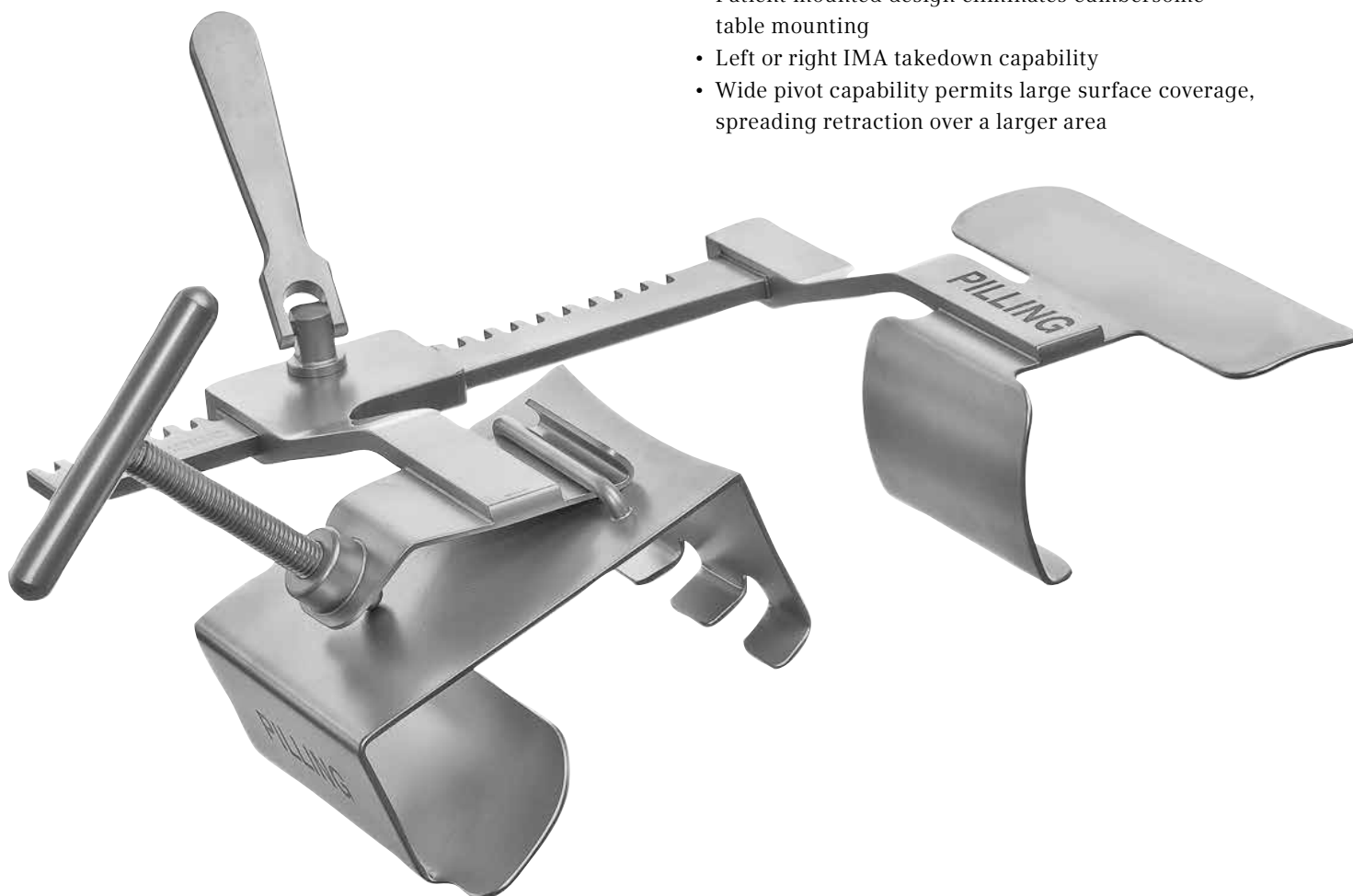
- Retractors: IMA, Sternal and Rib Spreaders
- Needle Holders, Forceps and Scissors
- Mediastinoscopy Instruments
- Thoracic Instruments
- Instrumentation for Video-Assisted Thoracoscopy
- Vascular Instruments
- And many more

FEATURED PRODUCT

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



CVT FORCEPS AND CLAMPS

Tissue Forceps



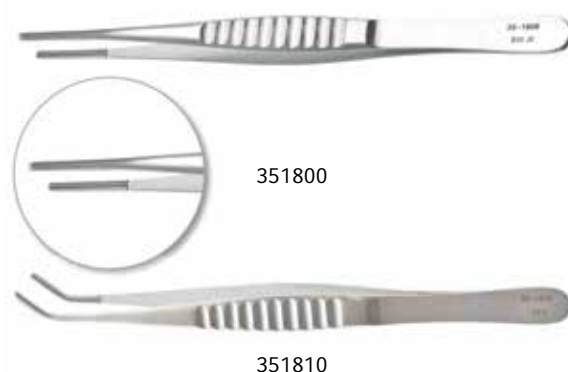
DEBAKEY THORACIC TISSUE FORCEPS



The row of 1 by 2 DeBakey-type Serrations on the tips are designed to be large and strong enough to handle relatively large masses of tissue. Because of the groove construction and light spring tension, they may be used to hold and handle suture material as well. 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.

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 VASCULAR TISSUE FORCEPS



Standard. The distal 2 cm of these forceps is a narrow DeBakey-type Tip with a width of 2 mm. The body of the instrument is constructed especially to prevent featherring, and all pins and projections have been omitted to help eliminate suture catchers. Jaws are very well fitted for handling tiny vessels as well as the smallest suture material.

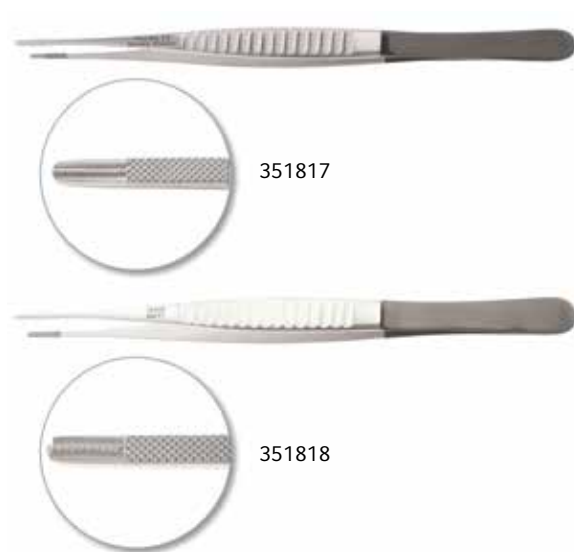
CATALOG #	DESCRIPTION
351800	Straight, 2 mm tip, 6" (15 cm)
351802	Straight, 2 mm tip, 7-3/4" (19.5 cm)
351804	Straight, 2 mm tip, 9-1/2" (24 cm)
351808	Straight, 2 mm tip, 12" (30.5 cm)
351810	Angled, 2 mm tip, 6" (15 cm)
351812	Angled, 2 mm tip, 7-3/4" (19.5 cm)
351814	Angled, 2 mm tip, 9-1/2" (24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

CVT FORCEPS AND CLAMPS

Tissue Forceps



DEBAKEY 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 ULTRALIGHT FORCEPS



Approximately one-half the weight of standard DeBakey Forceps, 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.

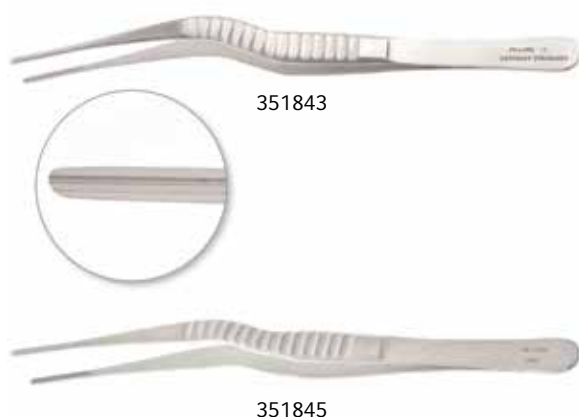
CATALOG #	DESCRIPTION
351820	1.5 mm tip, 6" (15 cm)
351821	1.5 mm tip, 7-3/4" (19.5 cm)

CVT FORCEPS AND CLAMPS

Tissue Forceps



VASCULAR DEBAKEY 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)

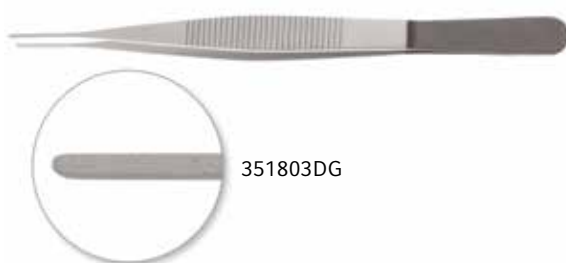
DEBAKEY DIETRICH DELICATE VASCULAR TISSUE FORCEPS



Designed for 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 DIETRICH DIAMA-GRIP TISSUE FORCEPS



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

CVT FORCEPS AND CLAMPS

Tissue Forceps



COOLEY JAW VASCULAR TISSUE FORCEPS



356000

Narrow double row of fine serrations on each jaw. For delicate handling of tiny vessels and 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



351838

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

GERALD DRESSING FORCEPS



351900

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

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

GERALD DRESSING FORCEPS



466225

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

CVT FORCEPS AND CLAMPS

Tissue Forceps



GERALD DEBAKEY TISSUE FORCEPS



351901



351910

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



351905

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

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

CVT FORCEPS AND CLAMPS

Tissue Forceps



GERALD DIAMA-GRIP DRESSING FORCEPS



351901DG

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

CARDIAC VALVE FORCEPS



351748

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

WHEELER TECHNIQUE PLAQUE AND VESSEL FORCEPS



351827

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



342950

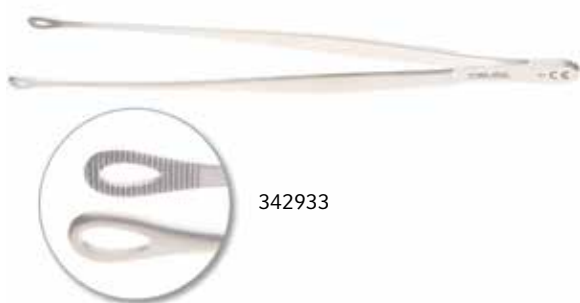
CATALOG #	DESCRIPTION
342950	6 x 7 sharp, fine teeth, 9" (23 cm)

CVT FORCEPS AND CLAMPS

Tissue Forceps



SINGLEY TISSUE FORCEPS

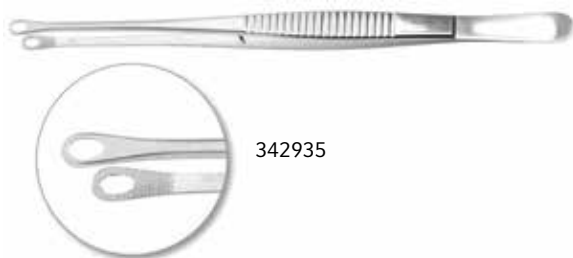


342933

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

CATALOG #	DESCRIPTION
342933	9" (23 cm)

TUTTLE THORACIC TISSUE FORCEPS



342935

Light construction. Ring tips 6.8 mm wide.

CATALOG #	DESCRIPTION
342935	9" (23 cm)

Micro Forceps

MICRO GRASPING FORCEPS



357681

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

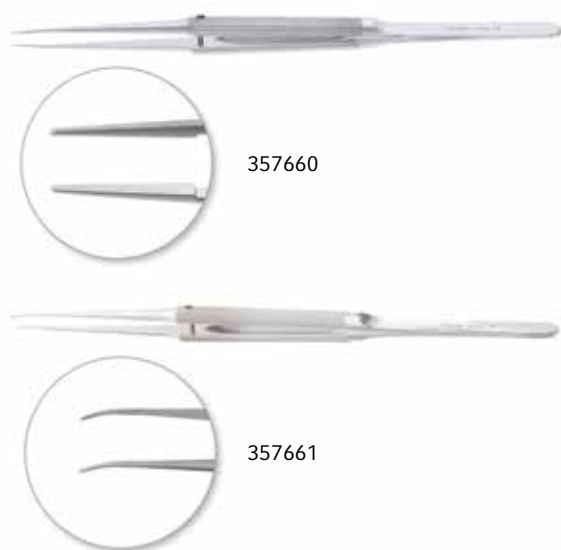
CATALOG #	DESCRIPTION
357681	Straight, 7-7/8" (20 cm)

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.

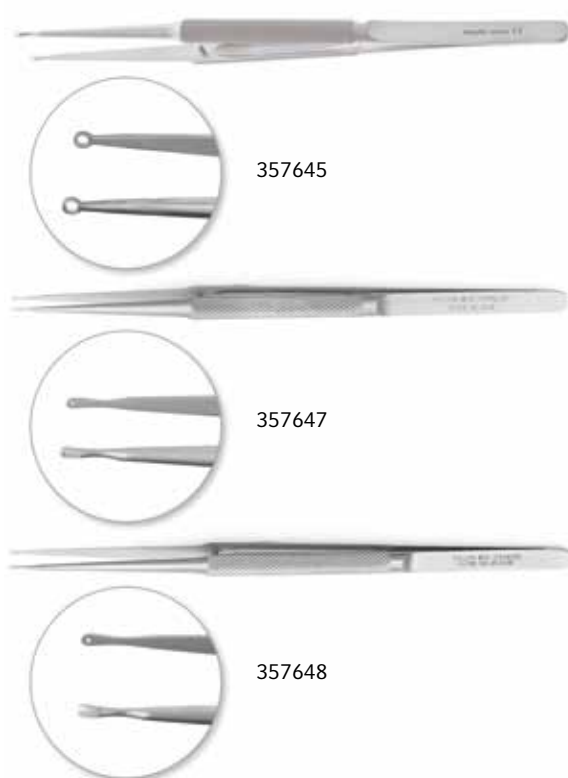
CATALOG #	DESCRIPTION
394430	Straight, 0.6 mm tip, 7-1/8" (18 cm)
394431	Straight, 1 mm tip, 7-1/8" (18 cm)

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 very 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)

CVT FORCEPS AND CLAMPS

Micro Forceps



DENIS MICRO RING FORCEPS



358007

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

Ligature Carriers

DARLING TAPE PASSING CLAMP "AORTA GO AROUND"

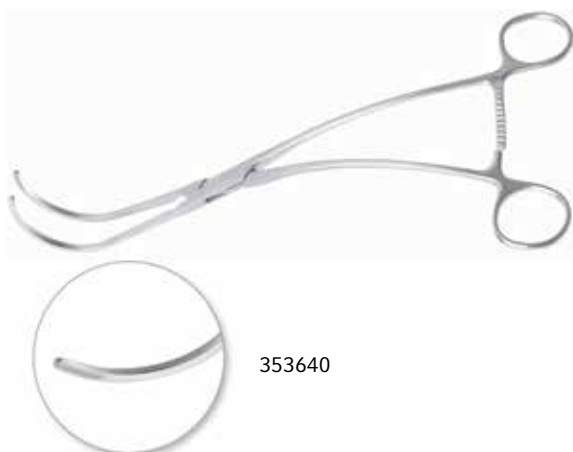


353647

Specifically designed 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 Jaw, 2" (5 cm) tip length, curved shaft, 11-3/4" (29.5 cm)

DEBAKEY MODIFIED SEMB LIGATURE CARRIER



353640

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

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 prevent 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

Acute curve. 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

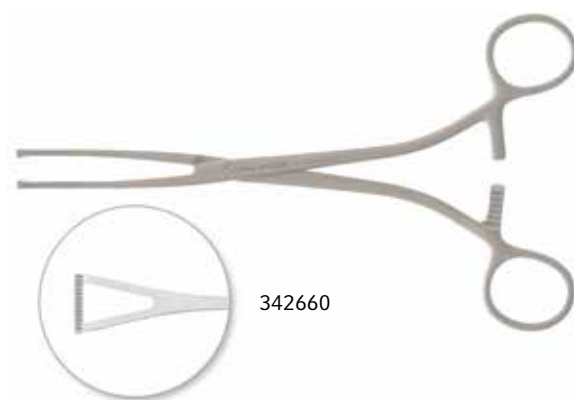


342804

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

CATALOG #	DESCRIPTION
342804	9" (23 cm)

COLLIN LUNG TISSUE FORCEPS



342660

Light, screw lock box design. Teeth across entire distal edge.

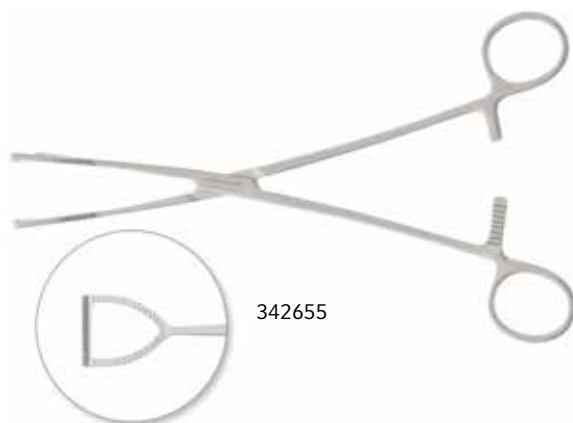
CATALOG #	DESCRIPTION
342660	5/8" (16 mm) jaw, 8" (20.5 cm)
342662	1-1/8" (28.5 mm) jaw, 8" (20.5 cm)
342664	1-1/8" (28.5 mm) jaw, 9" (23 cm)

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps



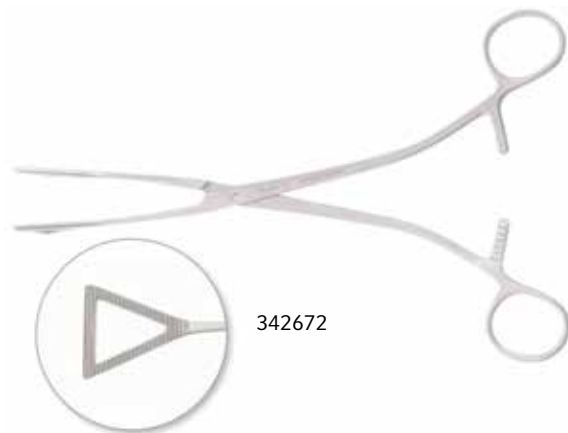
DEBAKEY LUNG GRASPING FORCEPS



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



Light, screw lock box design. DeBakey-type, serrated Jaws. Jaw width 1" (2.5 cm).

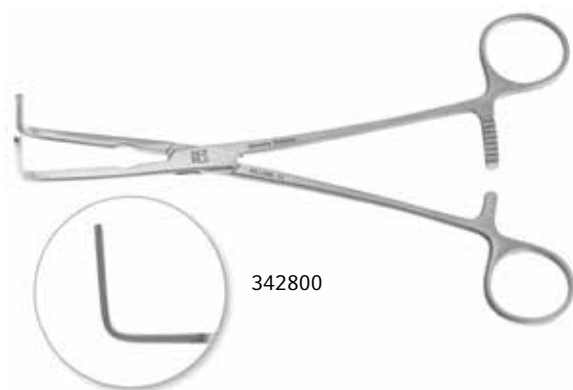
CATALOG #	DESCRIPTION
342670	8" (21 cm)
342672	9" (23 cm)

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps



LEES BRONCHUS CLAMPS



342800

Also serves as a general purpose vascular clamp.
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



342675

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

REVUELTA-GARCIA ALLIS CURVED CLAMPS



351743

Half curved, DeBakey Jaw.

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

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps



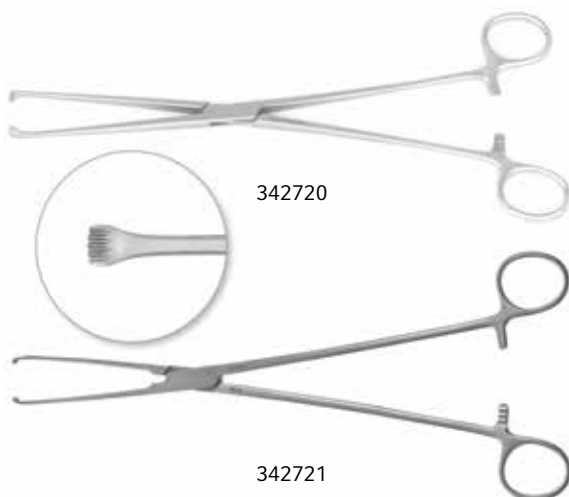
SAROT BRONCHUS CLAMPS



Teeth ensure a non-slipping hold on bronchus. 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, springy, Allis-type forceps with 5 x 6 teeth. Dull, non-glare finish, stainless steel.

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

CVT FORCEPS AND CLAMPS

Chest Drain Pulling Clamp



CHEST DRAIN PULLING CLAMP



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

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



BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



DEBAKEY CROSS ACTION BULLDOG CLAMPS



353050



353052



353054



353062



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)



353066

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



DIETRICH BULLDOG CLAMPS

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



353150



353151



353152



353153



353154



353155

EFFLER-GROVES SPECIAL LIGHTWEIGHT BULLDOG CLAMP

Delicate model for clamping the mammary artery.

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



355819

CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

0 in 1 2 3 4 5 6 7 8 9

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



GLOVER STYLE BULLDOG CLAMPS



353100



353102



353105



353112

With DeBakey-type Jaws. These clamps are designed to 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)



353120

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



HESS ANGULAR MOSQUITO TIP SERREFINE



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

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

JACOBSON BULLDOG CLAMPS



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



BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



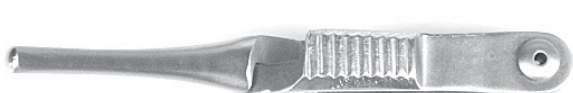
JOHNS HOPKINS (BLALOCK) BULLDOG CLAMPS



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 Jaw length 1-5/8" (4 cm)

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



SENNING FEATHERWEIGHT BULLDOG CLAMPS



353135

Very 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

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 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



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



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



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

With suture staying frame.



065172

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



Applier opens approximator simultaneously or individually.

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

SCHWARTZ MICRO-BULLDOG CLAMPS



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

CATALOG #	DESCRIPTION
353041	Straight
353042	Slight curve
353043	Acute curve

SCHWARTZ CLAMP HOLDING FORCEPS



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

BULLDOG AND MICRO VESSEL CLAMPS

Micro Vessel Clamps



RENAL PERFUSION CLAMPS



- Designed to reduce risk of intimal damage.
- Eliminates necessity for artery cannulation.
- Minimizes disadvantages of en bloc perfusion and preservation.

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.
Recommended for 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.



BULLDOG AND MICRO VESSEL CLAMPS

Micro Vessel Clamps



MINI-ANEURYSM BULLDOG CLIPS AND APPLIERS



357590



357591



357592



357593

Closing force is approximately 170 grams.
Recommended for 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)



VASCULAR CLAMPS

DEBAKEY-Type Clamp

A single row of finely serrated teeth opposing a double row, precisely crafted. Designed to deliver the most minimal trauma to tissue.

TIPS

Uniformly rounded. Virtually eliminates the potential for suture snag.

CREST

Prevents inadvertent pinching of tissue by providing an expansion area for the tissue.

SHANKS

Tempered to eliminate rigidity while providing proportionate softness.

JAWS

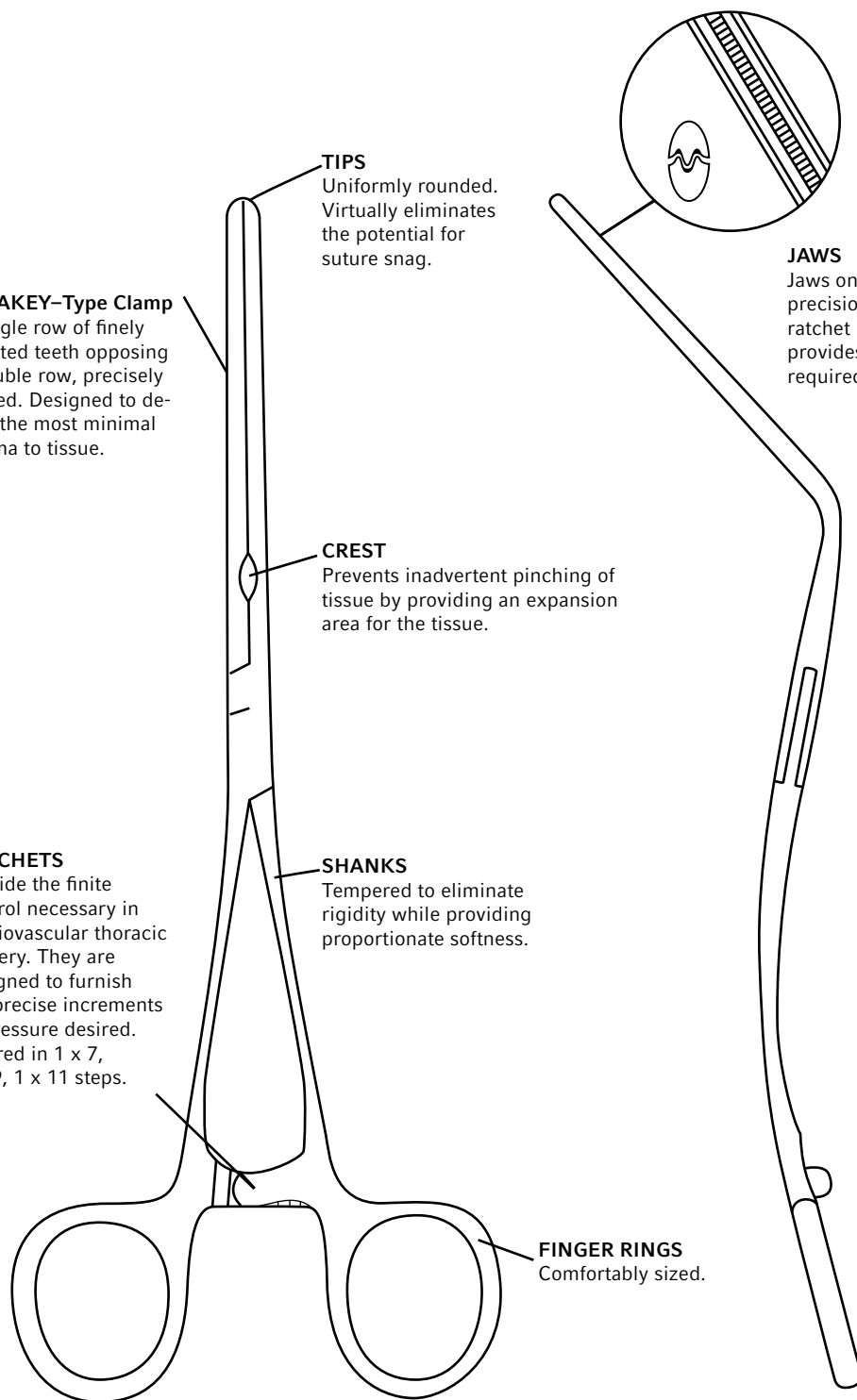
Jaws on Clamps are set with precision. Coordination of ratchet length and jaw setting provides the precise amount of required compression.

RATCHETS

Provide the finite control necessary in cardiovascular thoracic surgery. They are designed to furnish the precise increments of pressure desired. Offered in 1 x 7, 1 x 9, 1 x 11 steps.

FINGER RINGS

Comfortably sized.



VASCULAR CLAMPS

Types of Jaws Used in Cardiovascular Clamps

JAW CROSS SECTIONS

Relative Size

Enlargement



DeBakey-type



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.



Small DeBakey-type



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



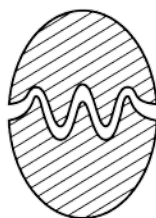
Extra Fine DeBakey-type



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



DeBakey-type 2 x 3



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.



Cooley



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



Pediatric, 1 mm



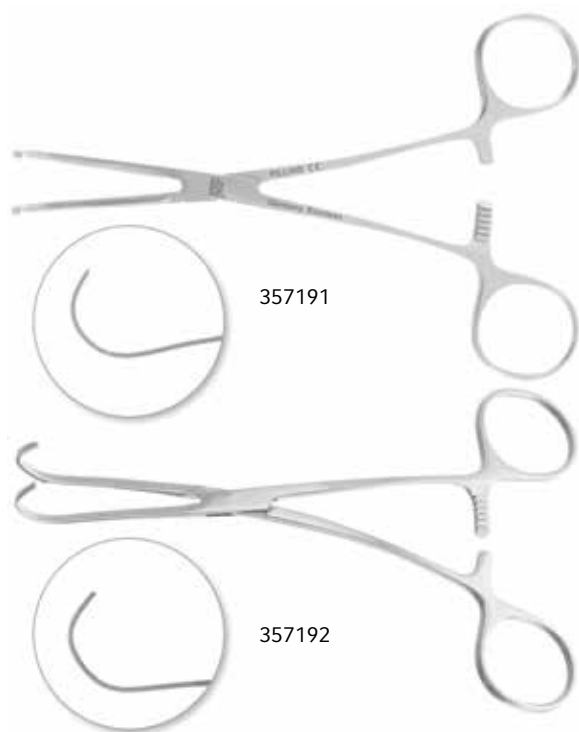
Narrow, single row of opposing teeth. Designed for neonatal vascular surgery, these clamps have also proven of value in adult surgery of the carotid femoral and popliteal arteries and for creating AV fistulas.

VASCULAR CLAMPS

Pediatric Clamps, 1 mm Jaw



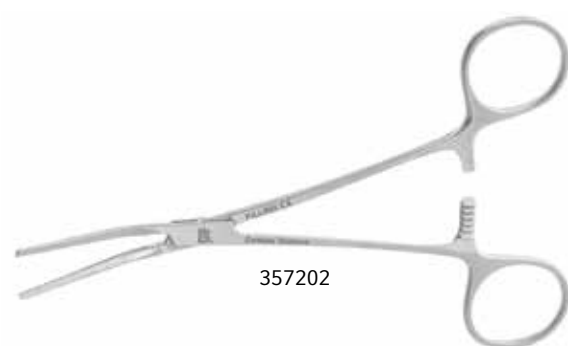
CASTANEDA PEDIATRIC CLAMPS



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

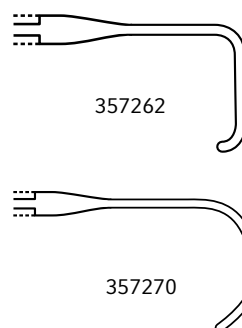
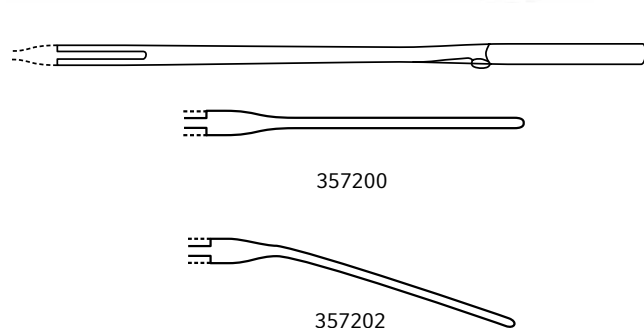
CATALOG #	DESCRIPTION
357191	Long, small jaw, 1 mm thick, 9/16" (1.5 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)
357192	Long, large jaw, 1 mm thick, 3/4" (2 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)

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)



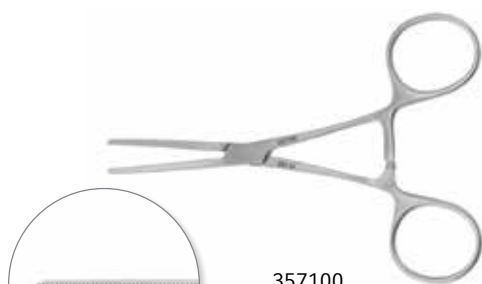
VASCULAR CLAMPS

Pediatric Clamps, 1 mm Jaw

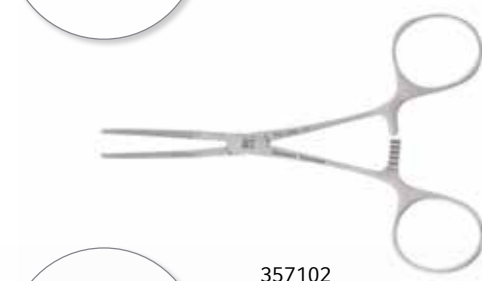


SHORT 1 MM PEDIATRIC CLAMPS

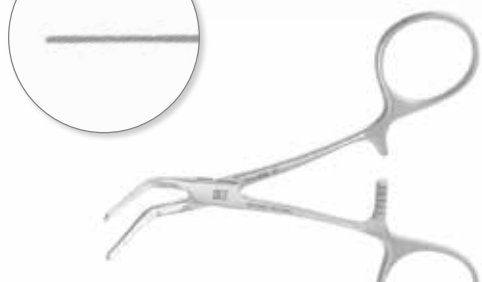
CATALOG #	DESCRIPTION
357100	Straight handles, 4-5/8" (12 cm)
357102	Straight handles, 4-1/2" (11.5 cm)
357106	Straight handles, 4" (10.5 cm)
357110	Straight handles, 4-1/2" (11.5 cm)



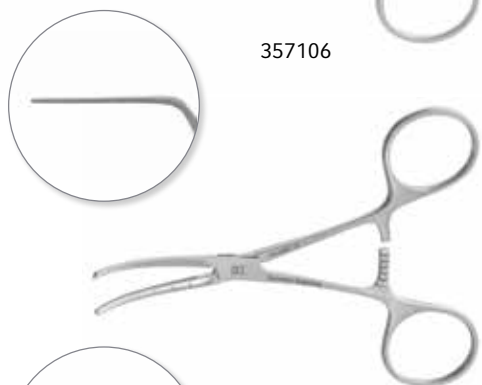
357100



357102



357106



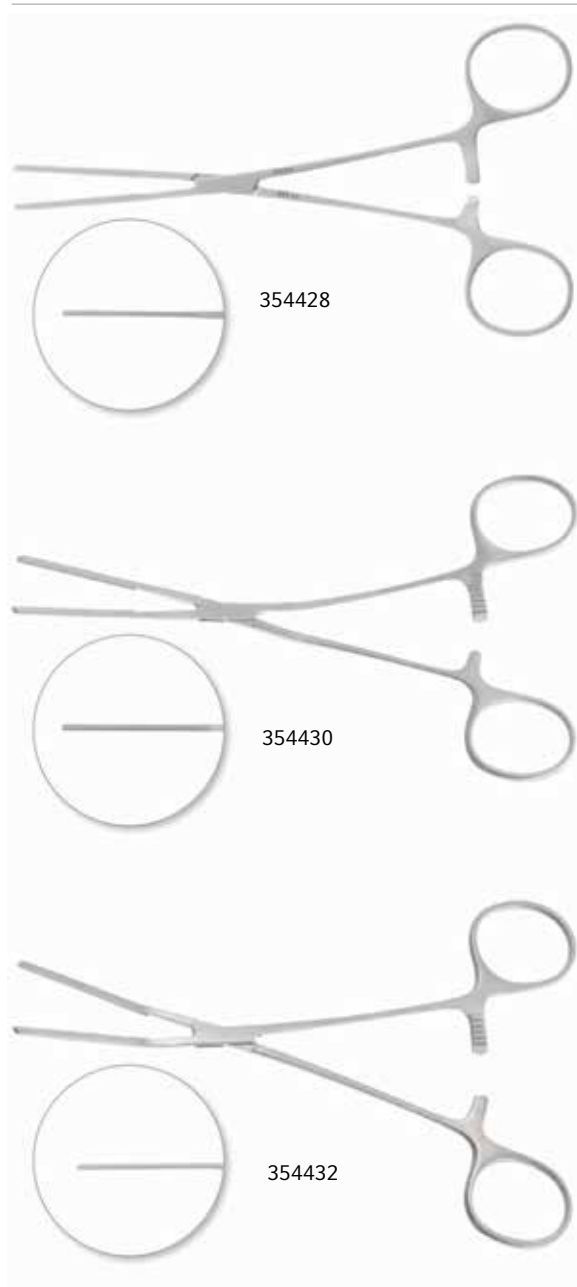
357110

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY 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)



VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

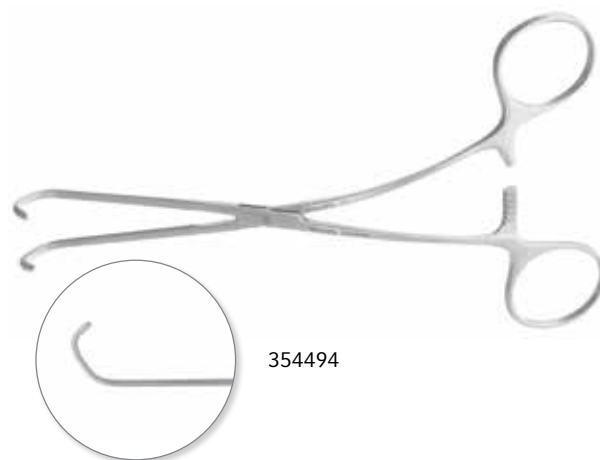


DEBAKEY PARTIAL OCCLUSION CLAMPS

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)



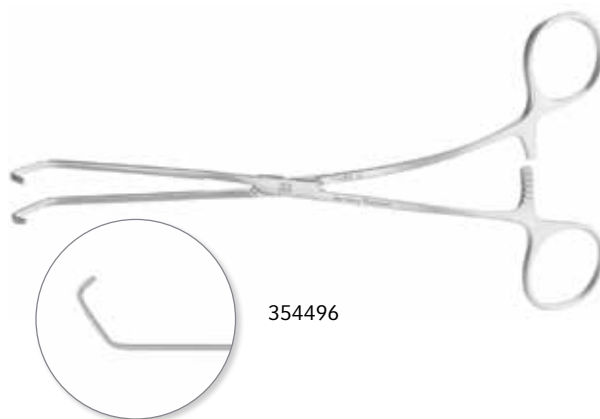
354488



354494



354490



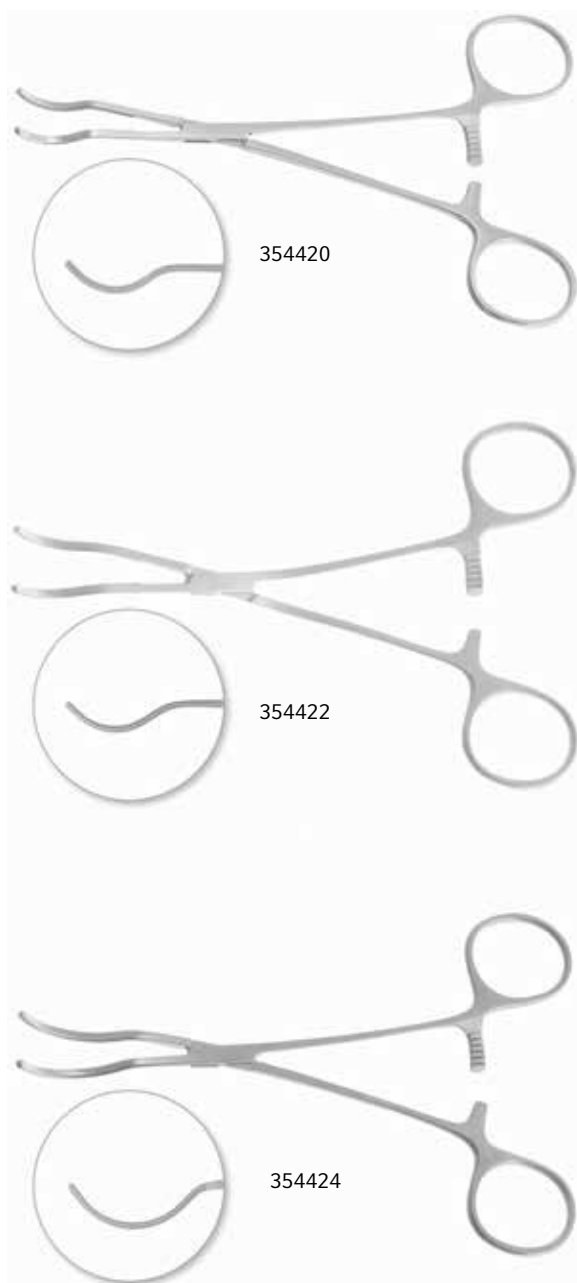
354496

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY 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)





VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY MULTIPURPOSE VASCULAR CLAMPS



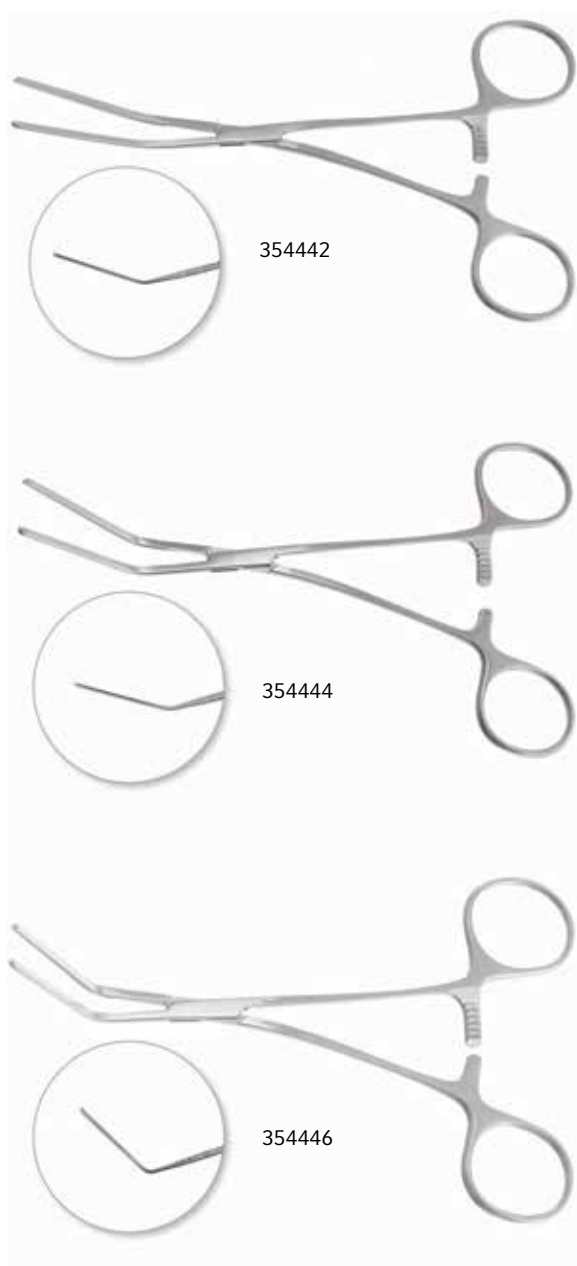
CATALOG #	DESCRIPTION
354434	Angled 30 degrees, jaw length 20 mm, 5-3/4" (14.5 cm)
354436	Angled 45 degrees, jaw length 20 mm, 5-1/2" (14 cm)
354438	Angled 60 degrees, jaw length 20 mm, 5-3/8" (13.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY 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)

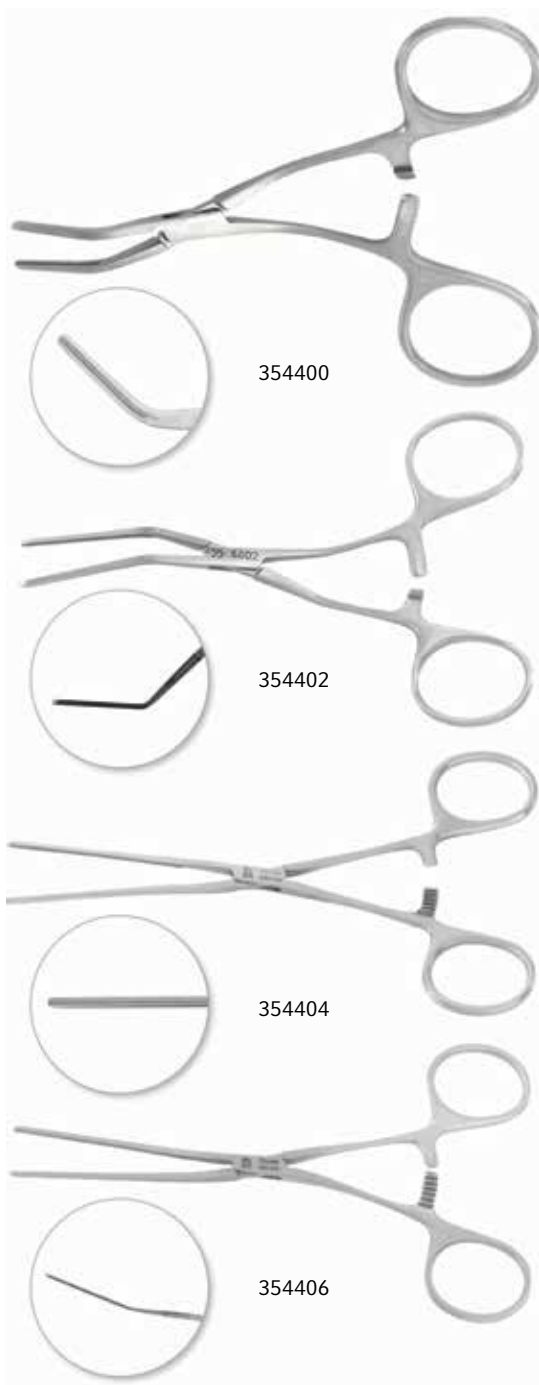


VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY PEDIATRIC AND ADULT VASCULAR CLAMPS



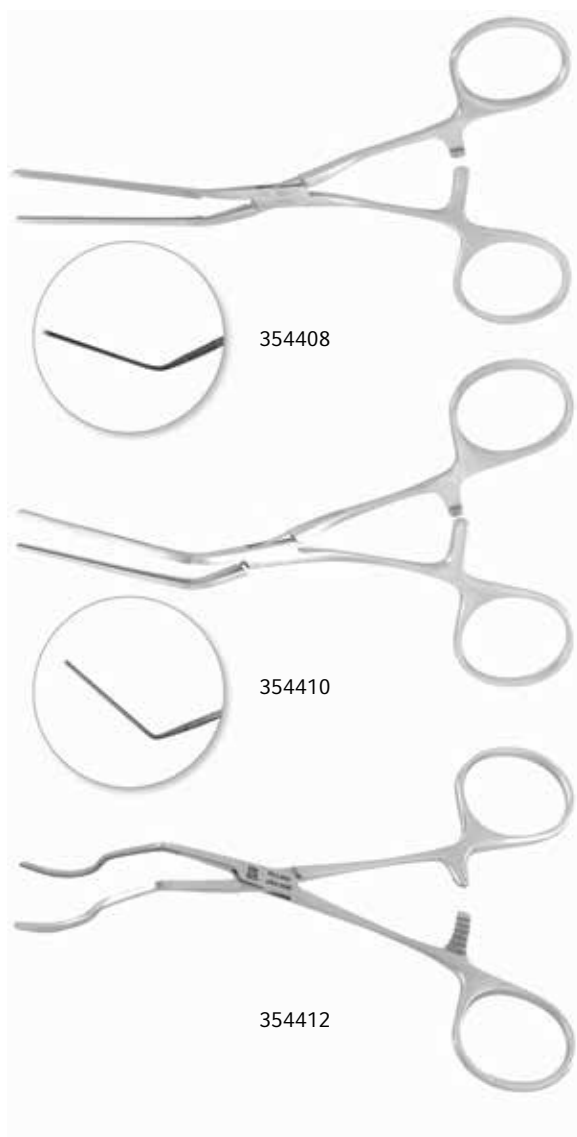
CATALOG #	DESCRIPTION
354400	Small, angled 45 degrees, 5/8" (1.5 cm) jaw, 3-7/8" (10 cm)
354402	Medium, angled 45 degrees, 4-1/8" (10.5 cm)
354404	Large, straight, 5-1/2" (14 cm)
354406	Angled 15 degrees, 5-1/4" (13.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY 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)

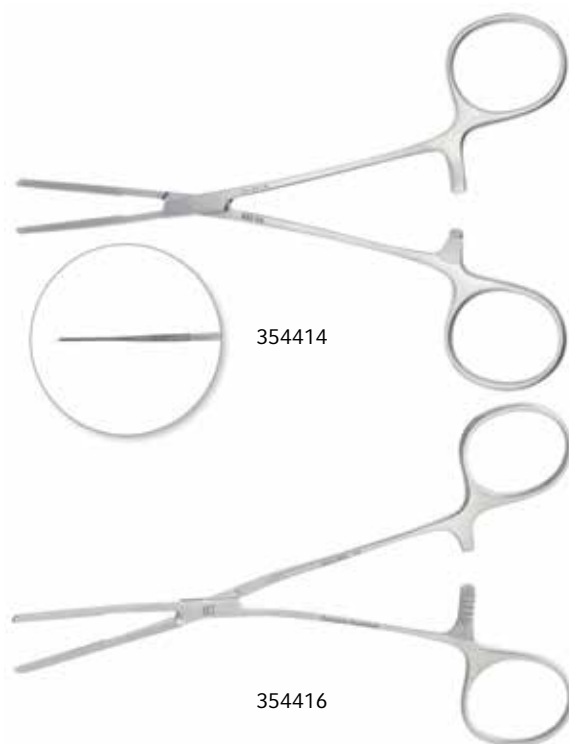


VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

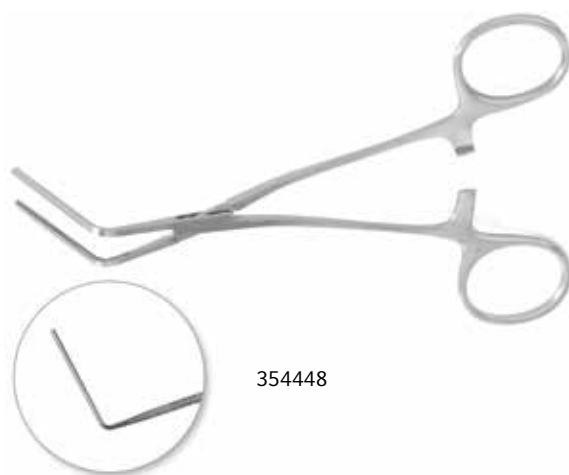


DEBAKEY PATENT DUCTUS CLAMPS



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 PEDIATRIC AND ADULT VASCULAR CLAMPS



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

VASCULAR CLAMPS

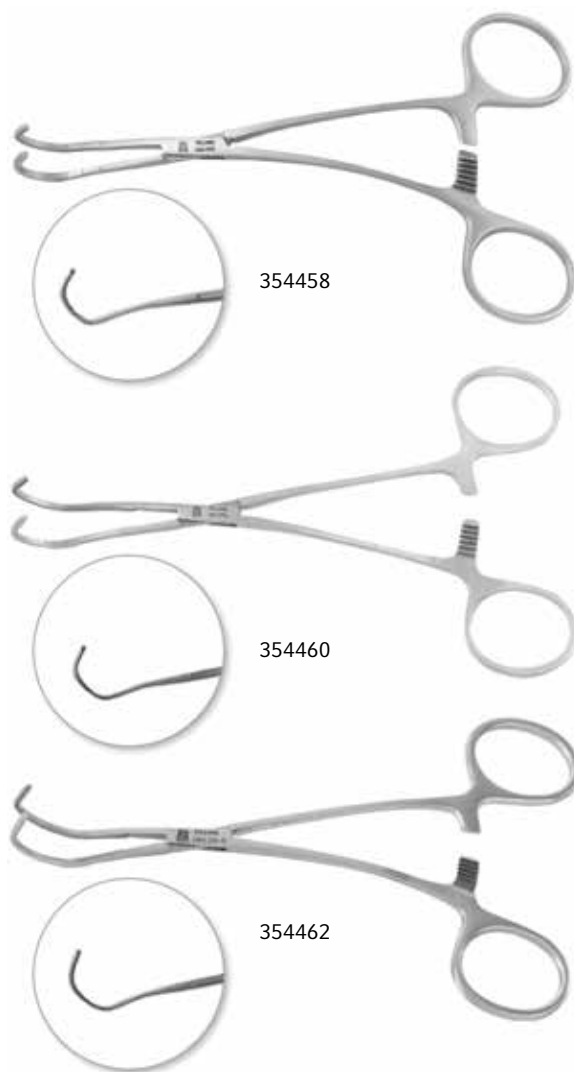
Pediatric Clamps, 1.5 mm Jaw



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)



VASCULAR CLAMPS

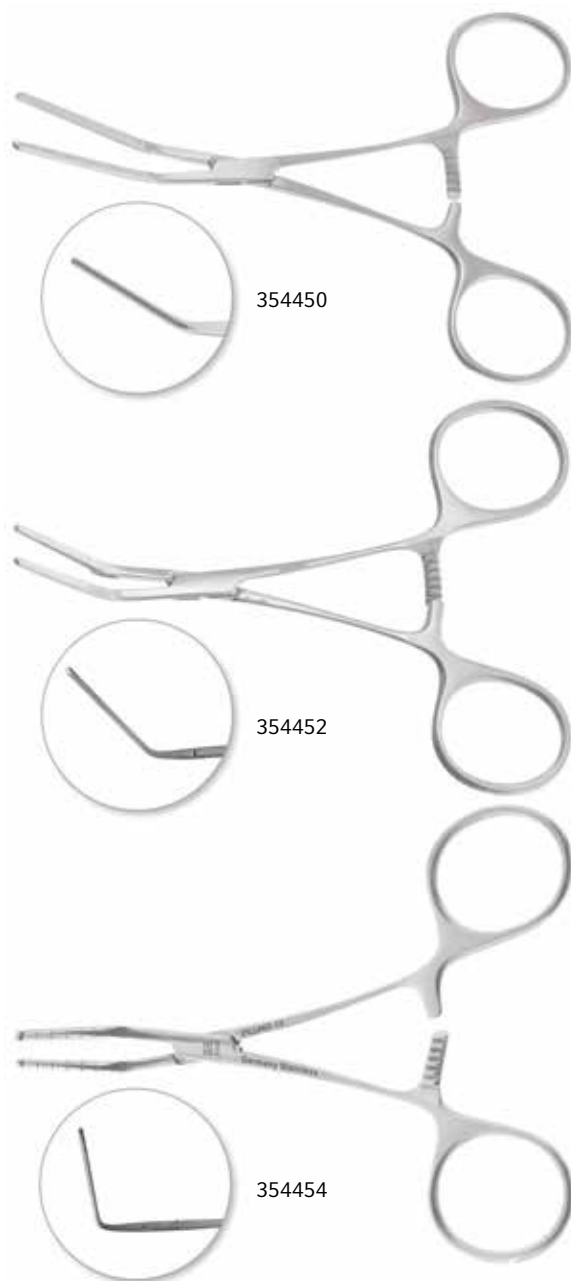
Pediatric Clamps, 1.5 mm Jaw



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)



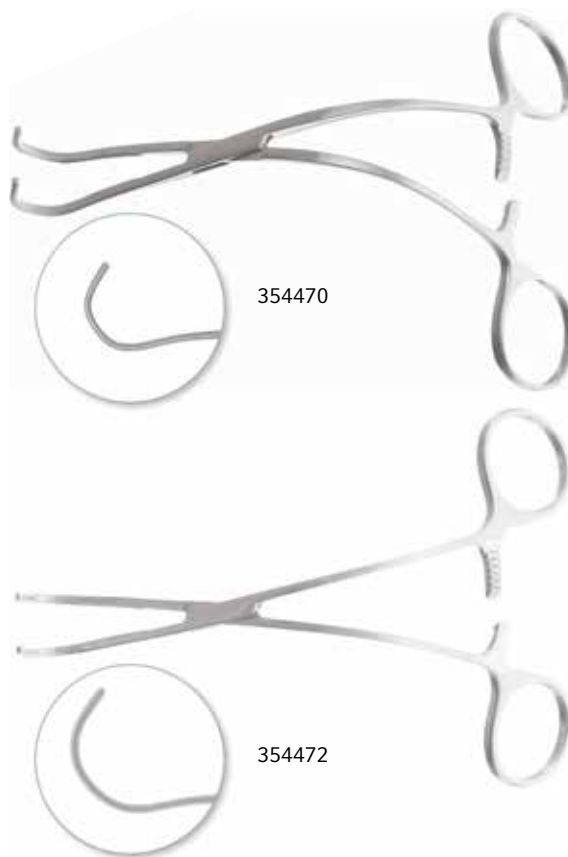
VASCULAR CLAMPS

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)



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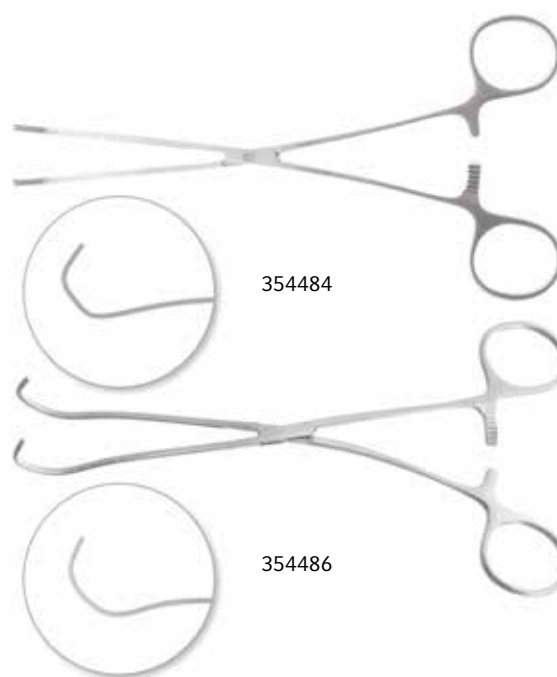
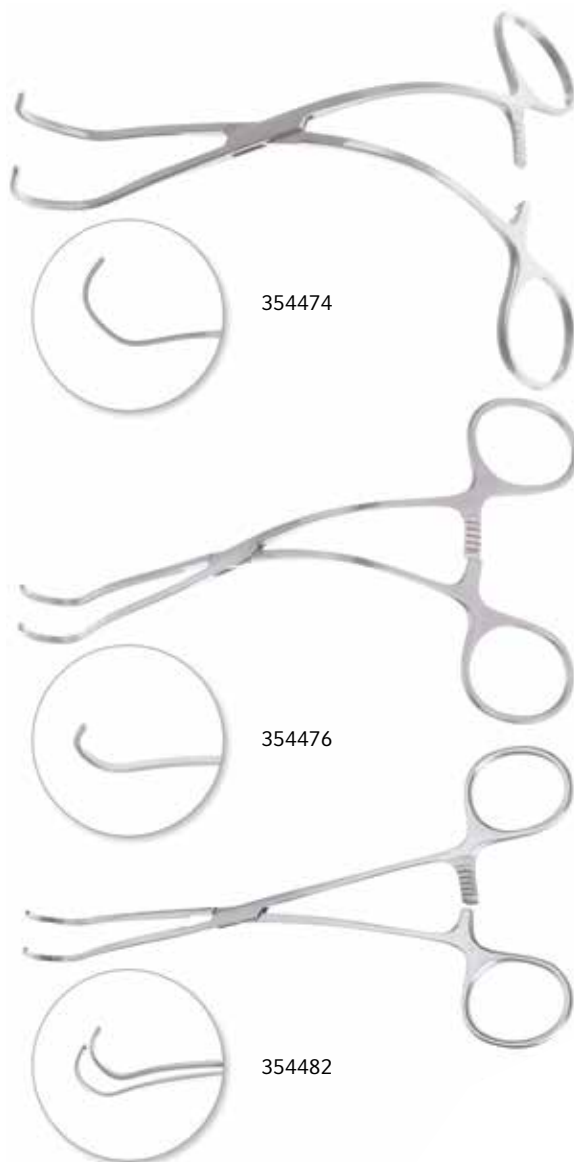
VASCULAR CLAMPS

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)

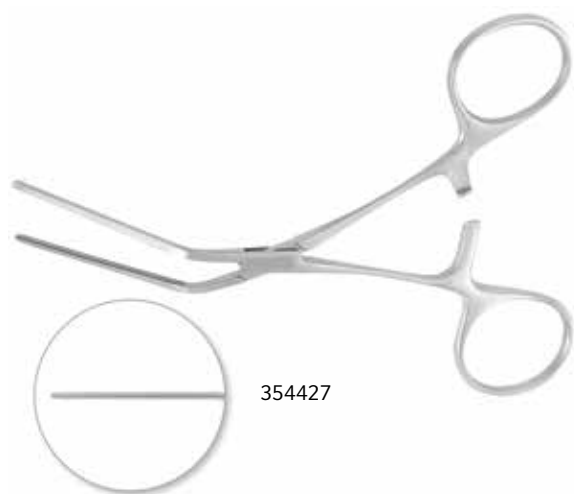




VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

REPLOGIE PEDIATRIC AORTA CROSS CLAMP



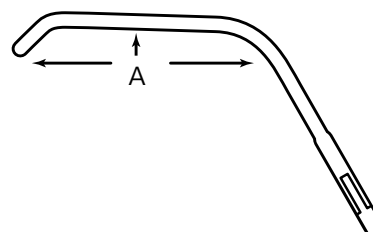
CATALOG #	DESCRIPTION
354427	Angled 60 degrees, 48 mm jaw, 4-5/8" (12 cm)

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

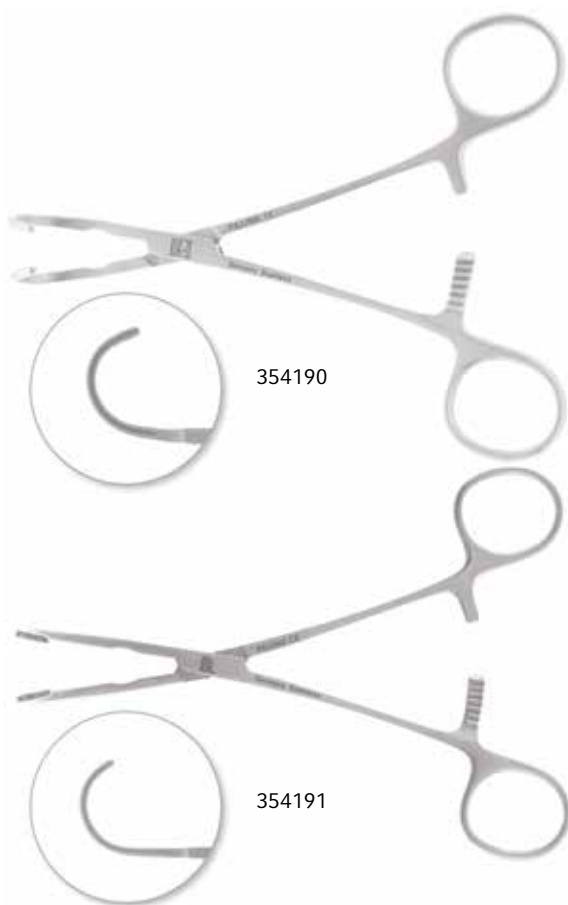
Pediatric Clamps, 2 mm Jaw



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)

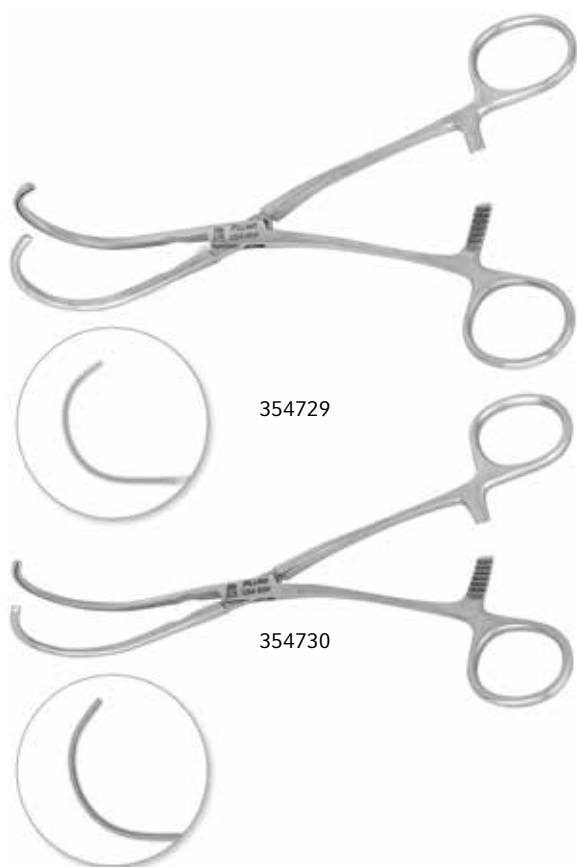


VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

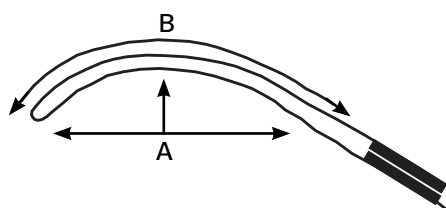


DEBAKEY ACUTELY CURVED CLAMPS

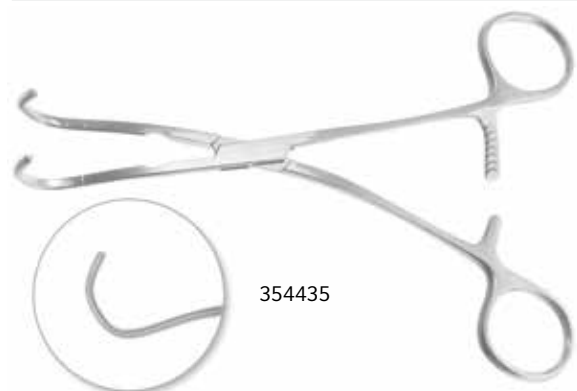


Jaws curve on 1-3/4" (4.5 cm) radius, entire length of jaws contain DeBakey-type Serrations.

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 MINIATURE ANASTOMOSIS CLAMP



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

VASCULAR CLAMPS

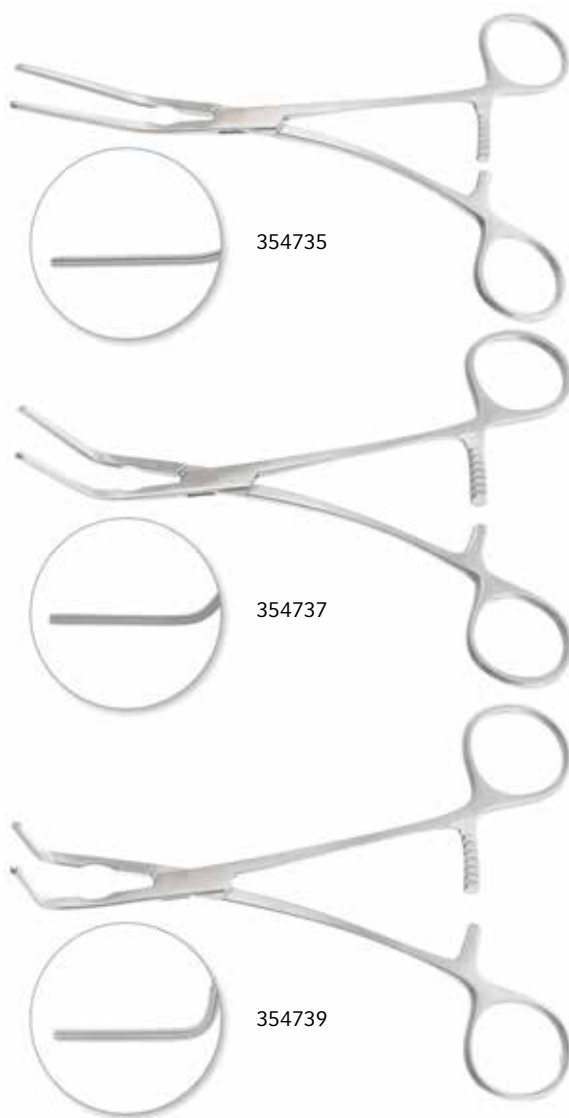
Pediatric Clamps, 2 mm Jaw



DEBAKEY 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)

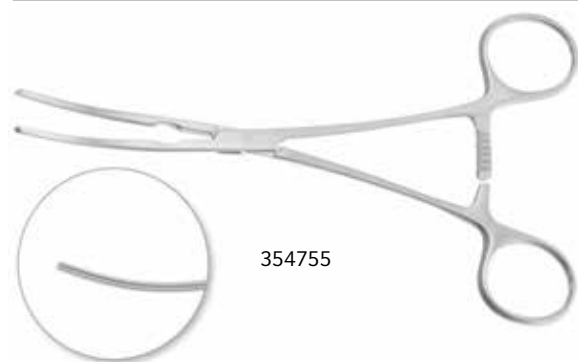




VASCULAR CLAMPS

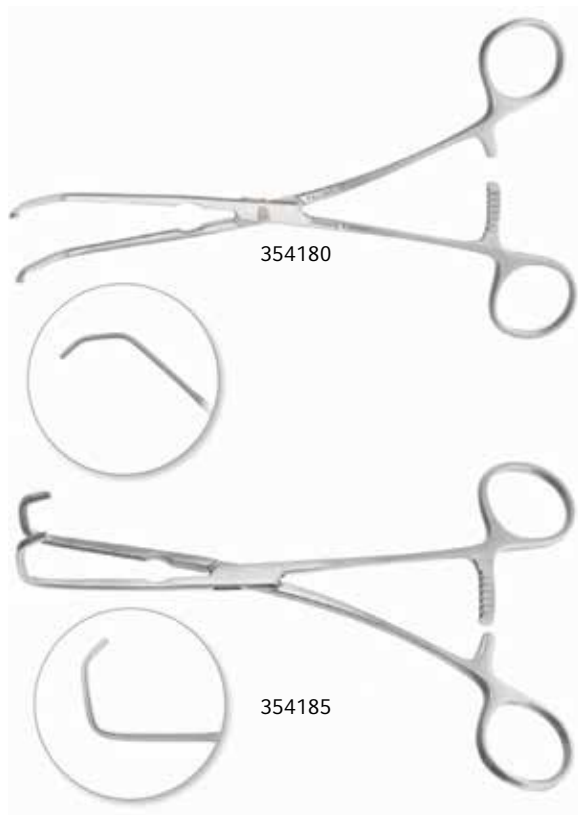
Pediatric Clamps, 2 mm Jaw

GLOVER CURVED MINIATURE PEDIATRIC CLAMP



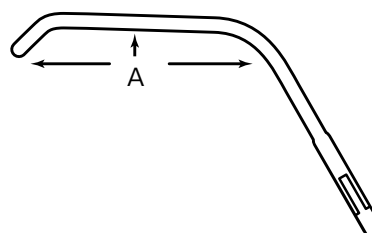
CATALOG #	DESCRIPTION
354755	Slightly curved jaws 1/2" (1.2 cm) long, 7-1/8" (18 cm)

MINIATURE SATINSKY REYNOLDS CLAMPS



Reynolds-type clamps, baby size. 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)

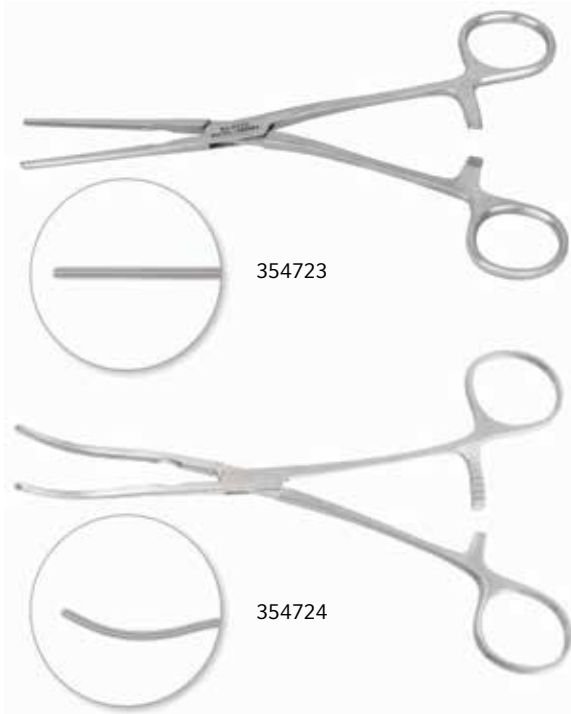


VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw



MINIATURE PEDIATRIC CLAMPS



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.

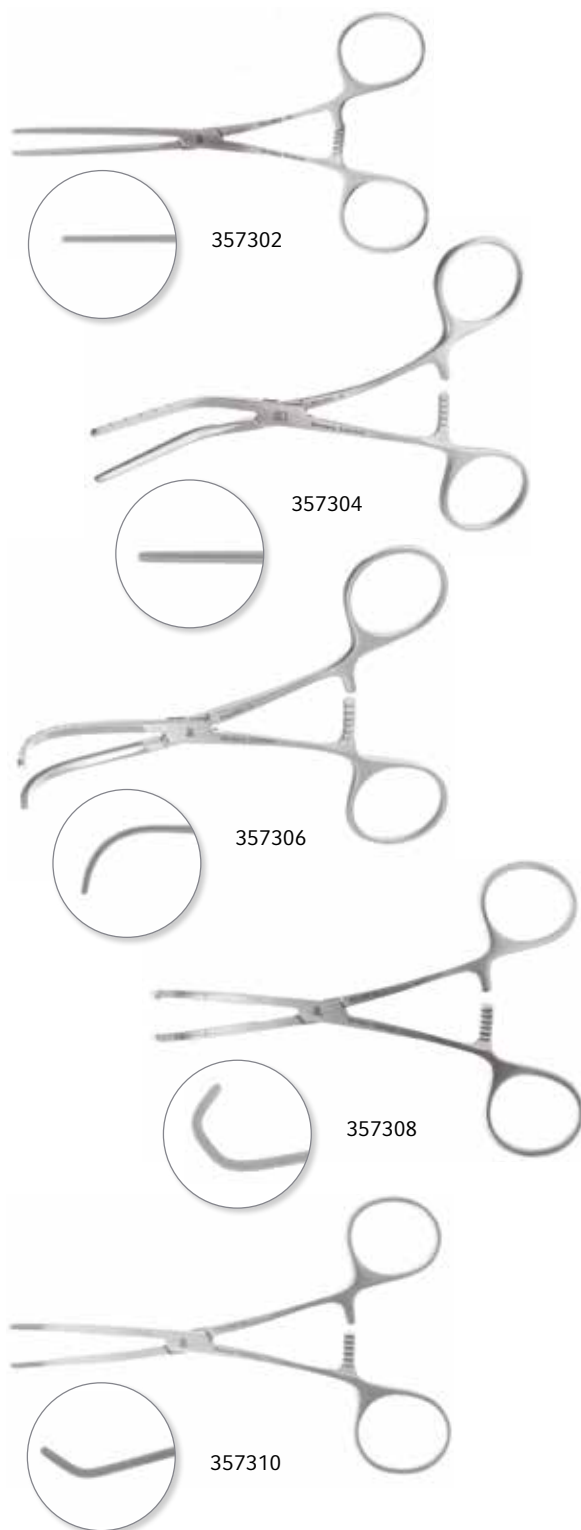
CATALOG #	DESCRIPTION
354720	Patent Ductus, straight, 2" (5 cm) jaws, 6-3/4" (17 cm)
354721	Patent Ductus, straight, 1-7/8" (4.5 cm) jaws, 6-3/8" (16 cm)
354722	Coarctation, straight, 2-1/2" (6 cm) jaws, 7-1/8" (18 cm)
354723	Coarctation, angled, 2-3/8" (6 cm) jaws, 7" (17.5 cm)
354724	Spoon shape, 1-3/4"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

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw



COOLEY CLAMPS FOR PEDIATRIC CARDIOVASCULAR SURGERY



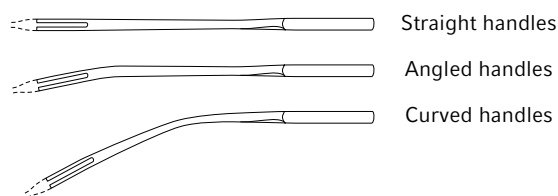
These clamps are designed especially for surgery in infants and small children. They have specially set ratchets to permit gradual application and release of the clamps.

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 (as patent ductus arteriosus).

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 dull, 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



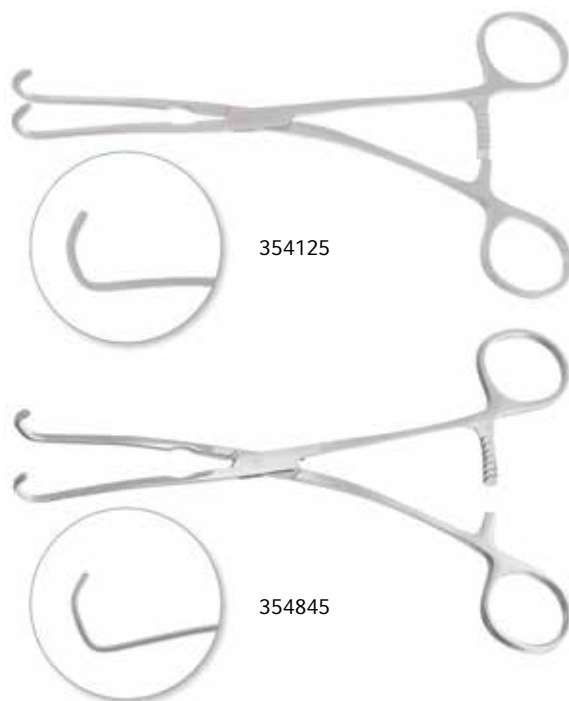
BECK-TYPE VESSEL CLAMP



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. This miniature vascular clamp is designed 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 are useful in aortico-pulmonary anastomosis in infants and children with tricuspid atresia or Tetralogy of Fallot. Lightweight, calibrated jaws 3/4" (2 cm) with Cooley serration.

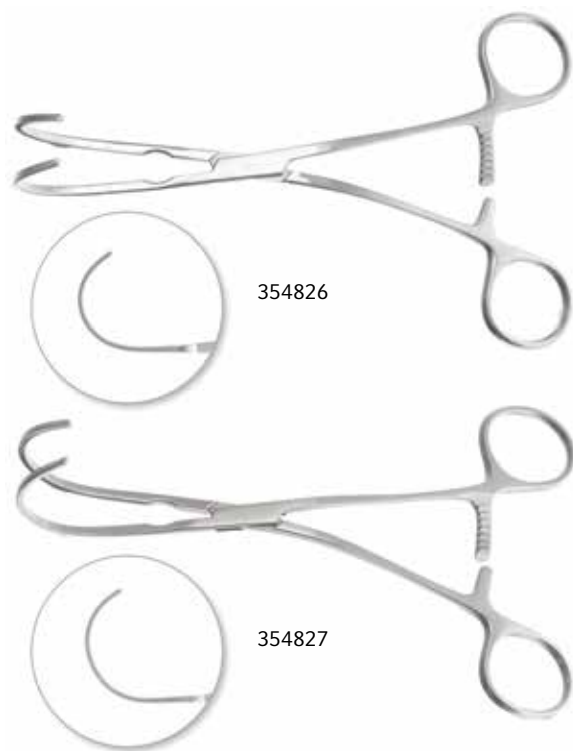
CATALOG #	DESCRIPTION
354125	Spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)
354845	1.5 mm extra-fine DeBakey-type Jaws, spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)

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.

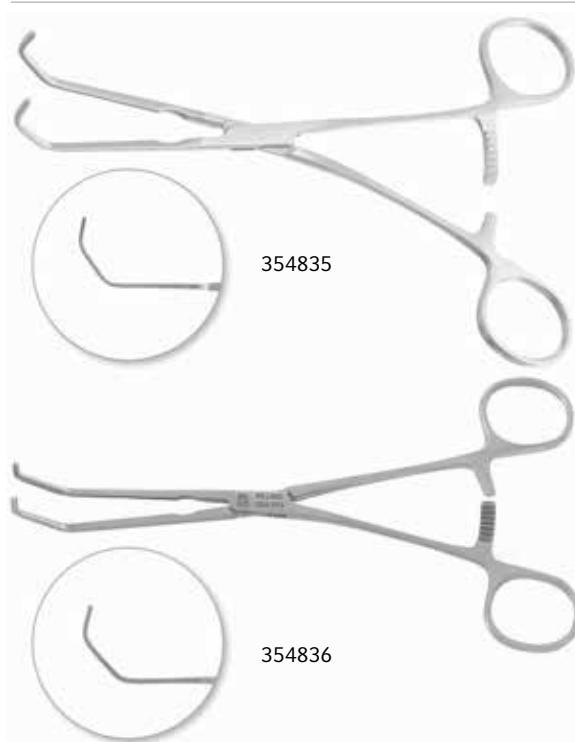
CATALOG #	DESCRIPTION
354830	Angled 90 degrees, small jaws, 6-3/4" (17 cm)

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

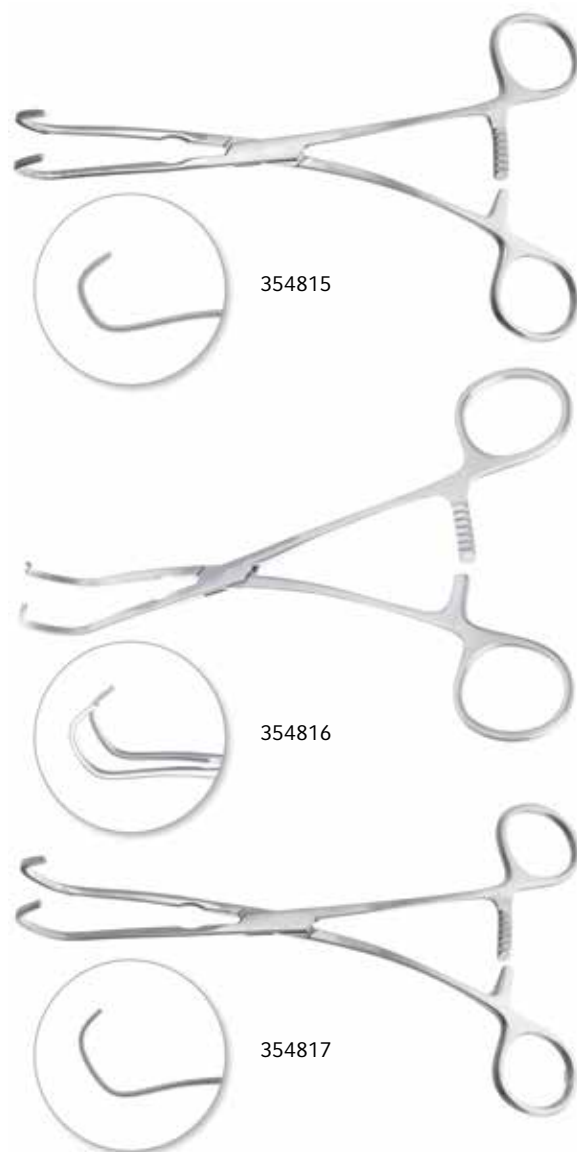
Pediatric Clamps, Cooley-Type Jaw



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)

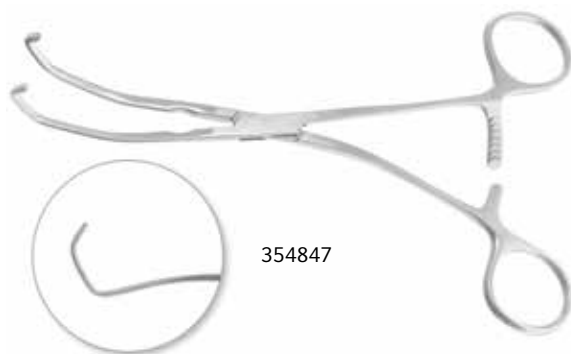


VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

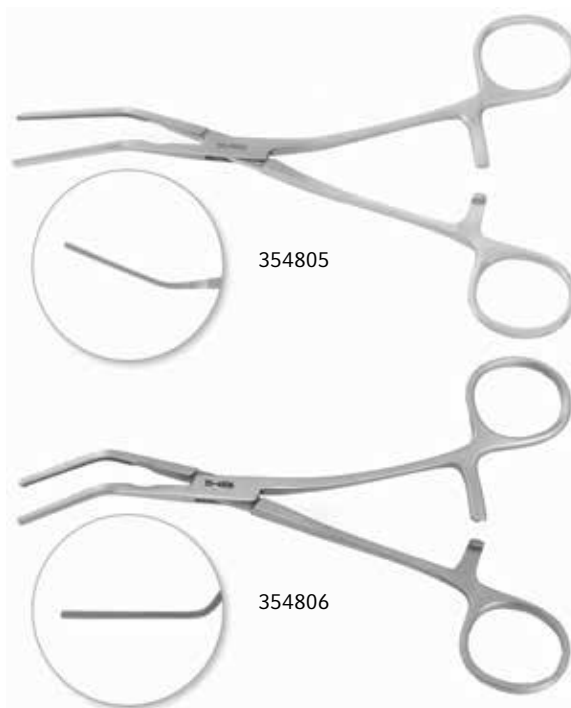


COOLEY PEDIATRIC MODIFIED ANASTOMOSIS CLAMP



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.

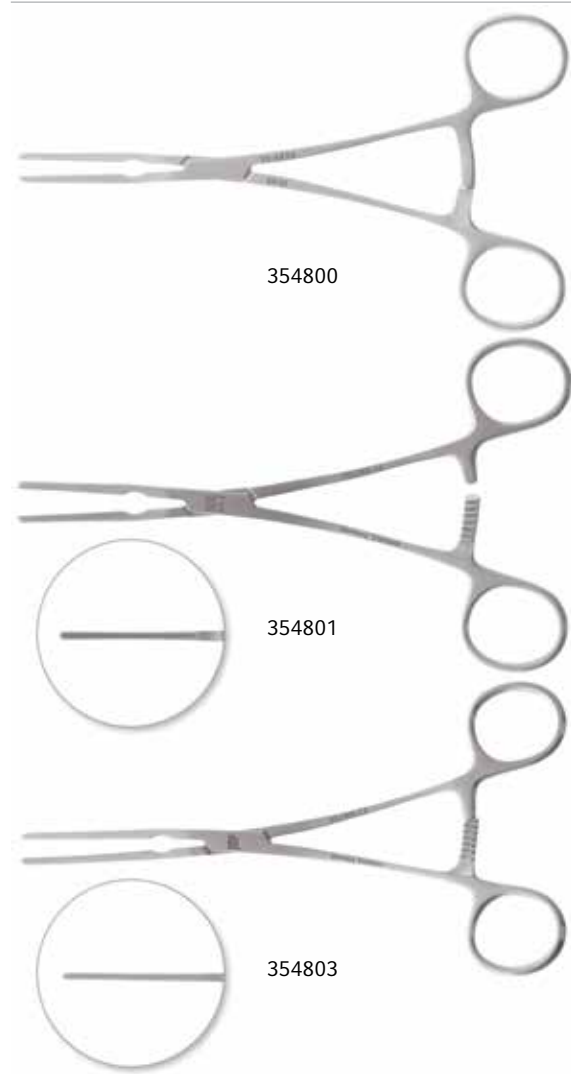
CATALOG #	DESCRIPTION
354805	30 degree angled, calibrated 3/4" (2 cm) jaw, 6-3/4" (17 cm)
354806	60 degree angled, calibrated 1-1/4" (3.5 cm) jaw, 6-1/2" (16.5 cm)
354807	90 degree angled, calibrated 1-1/2" (4 cm) jaw, 5-3/4" (14.5 cm)

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)

VASCULAR CLAMPS

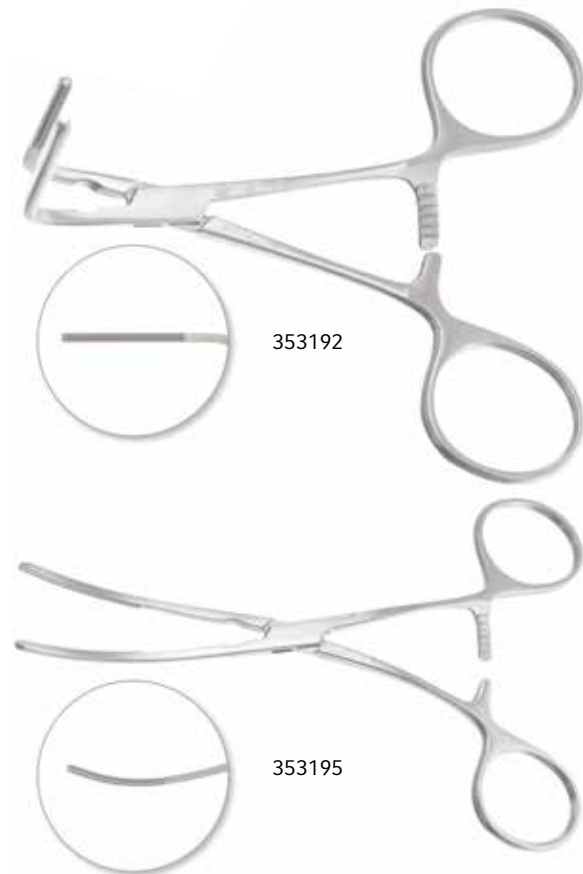
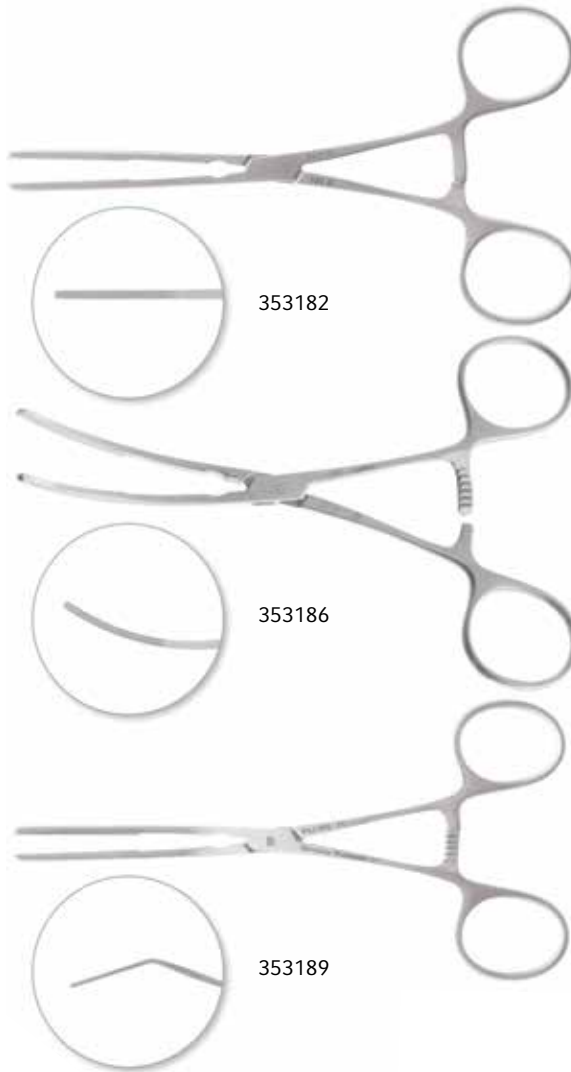
Ring Handled Bulldog Clamps



DEBAKEY 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, non-traumatizing 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)

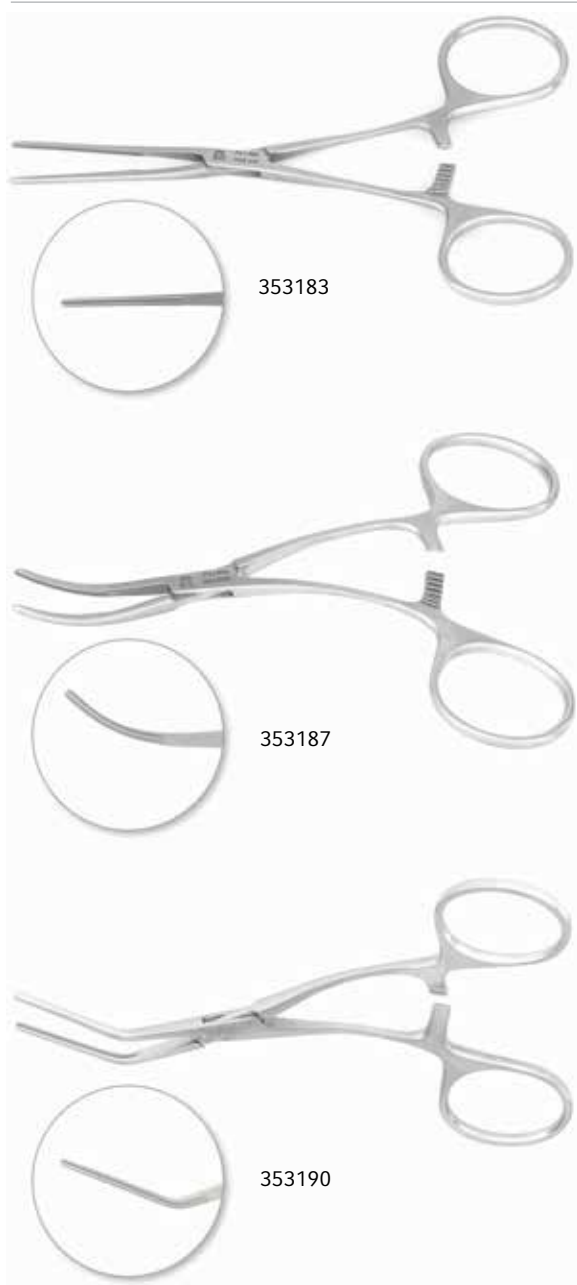


VASCULAR CLAMPS

Ring Handled Bulldog Clamps



GREGORY MINIATURE VASCULAR CLAMPS



Very 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)



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 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

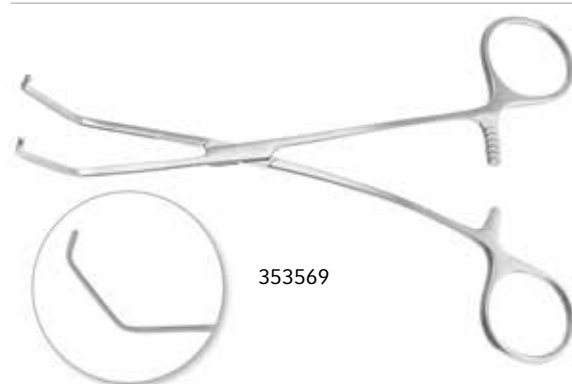
Carotid Clamps

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)

VASCULAR CLAMPS

Carotid Clamps



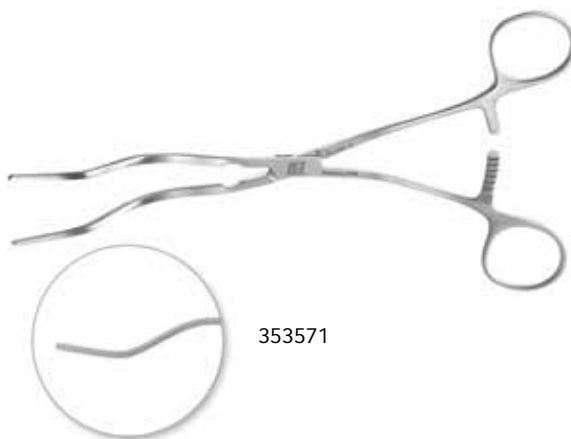
WYLIE EXTERNAL CAROTID CLAMP



353570

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

WYLIE INTERNAL CAROTID CLAMP



353571

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

WYLIE HYPOGASTRIC CLAMP



353657

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)

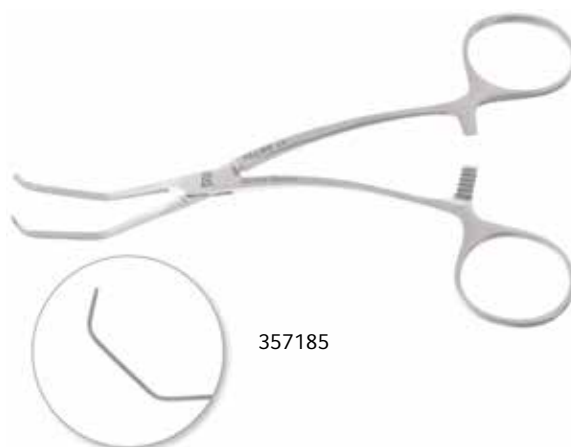
Carotid Clamps, 1 mm Jaw

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)

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

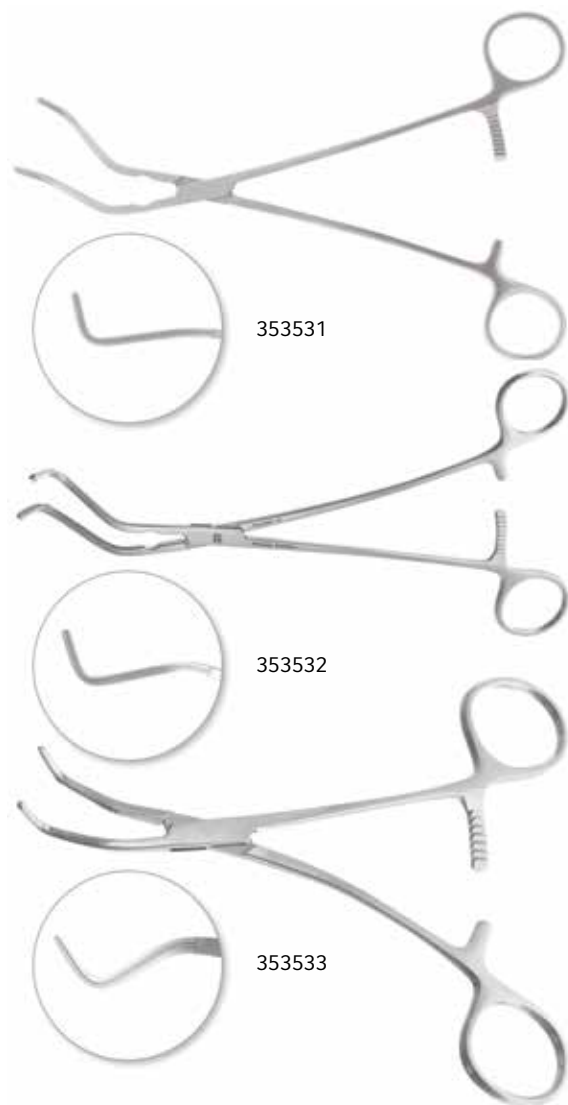
Renal Clamps



CLEVELAND CLINIC RENAL CLAMPS

Specifically designed 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 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)

VASCULAR CLAMPS

Femoral-Popliteal Clamps



DALE FEMORAL-POPLITEAL ANASTOMOSIS CLAMP

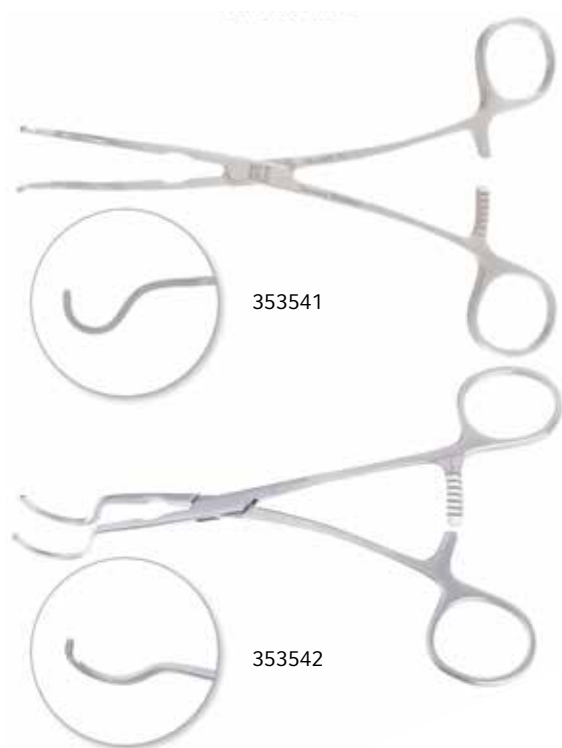


353528

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.



353541

353542

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



353543



VASCULAR CLAMPS

Femoral-Popliteal Clamps

DEMOS TIBIAL ARTERY CLAMP

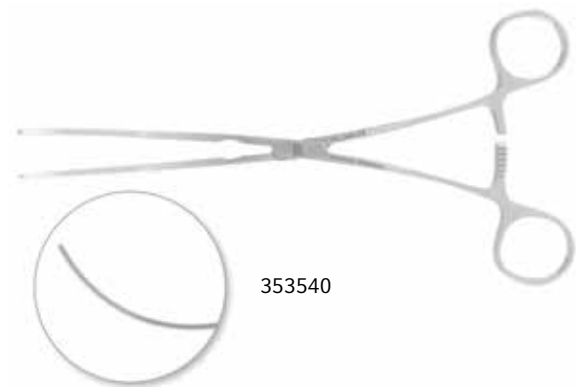


Specially angled in the plane of the handle, this clamp reduces the tendency to twist or distort a vessel in procedures requiring distal popliteal or tibial occlusion.

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 "S" SHAPED PERIPHERAL VASCULAR CLAMP



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

VASCULAR CLAMPS

Peripheral Vascular Clamps



DEBAKEY ANGLED PERIPHERAL VASCULAR CLAMP



353535

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

DEBAKEY AORTIC EXCLUSION CLAMP



353545

Very 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

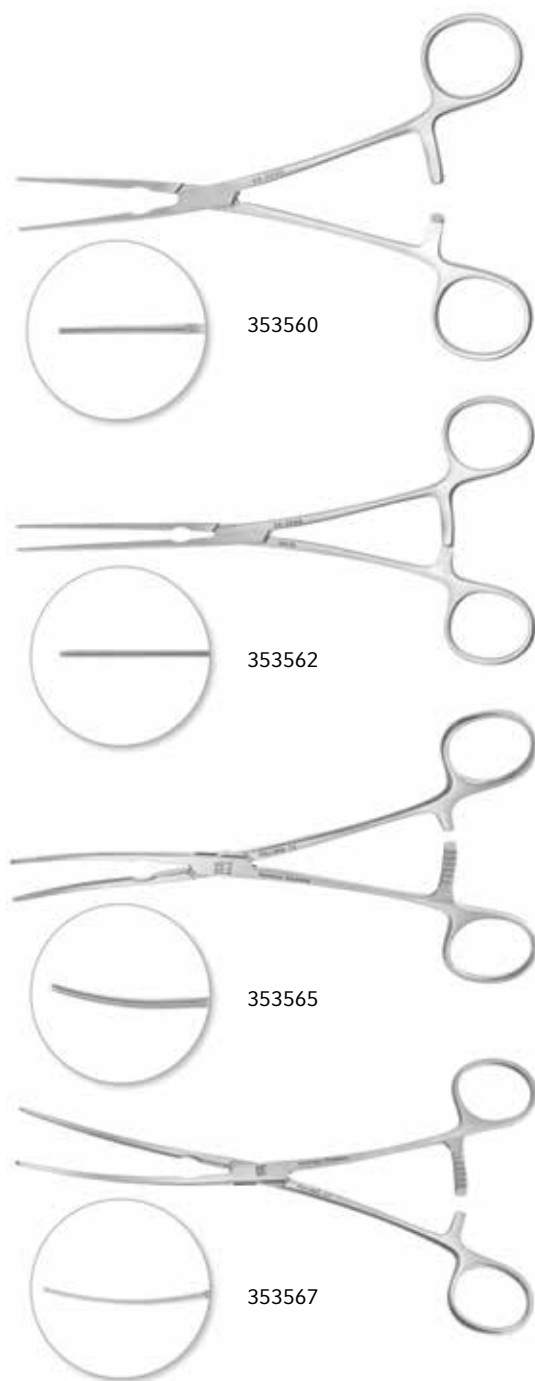
Peripheral Vascular Clamps



DEBAKEY BAINBRIDGE VASCULAR CLAMPS

Light, delicate construction throughout with narrow, DeBakey-type Jaws. Very useful as peripheral vascular clamps.

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)

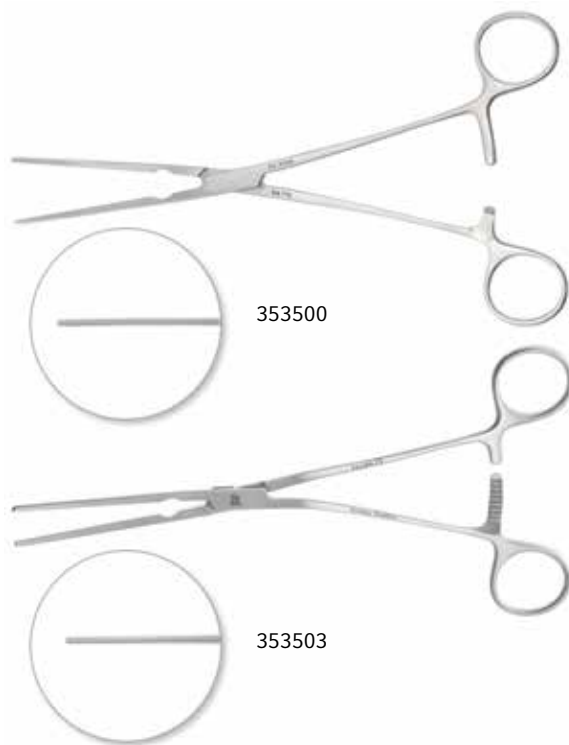


VASCULAR CLAMPS

Peripheral Vascular Clamps



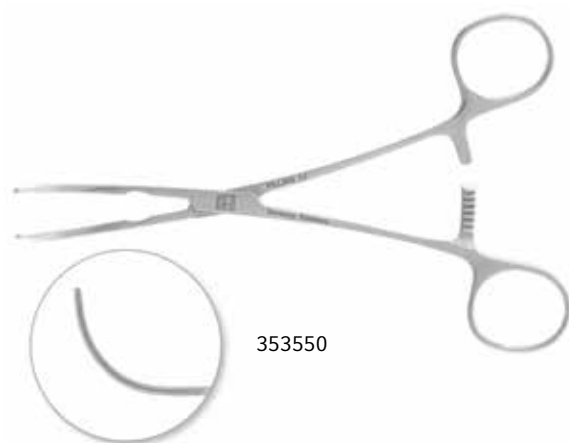
DEBAKEY COARCTATION CLAMPS



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 special DeBakey-type Jaws are only 2.5 mm wide. Spring handles minimize trauma to vessels during temporary occlusion of arteries. 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 CURVED PERIPHERAL VASCULAR CLAMP



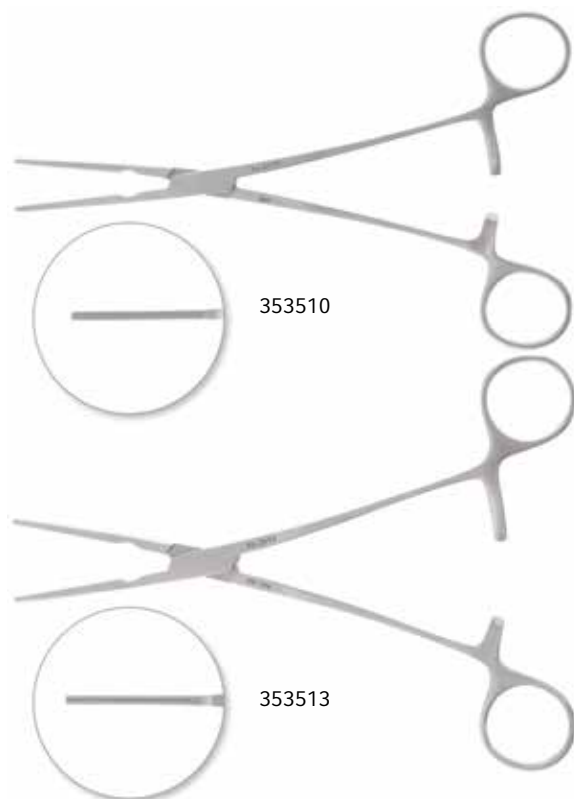
CATALOG #	DESCRIPTION
353550	Long, DeBakey-type Jaw, spring handle, 1 x 7 ratchets, 6-3/4" (17 cm)

VASCULAR CLAMPS

Peripheral Vascular Clamps



DEBAKEY 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)



VASCULAR CLAMPS

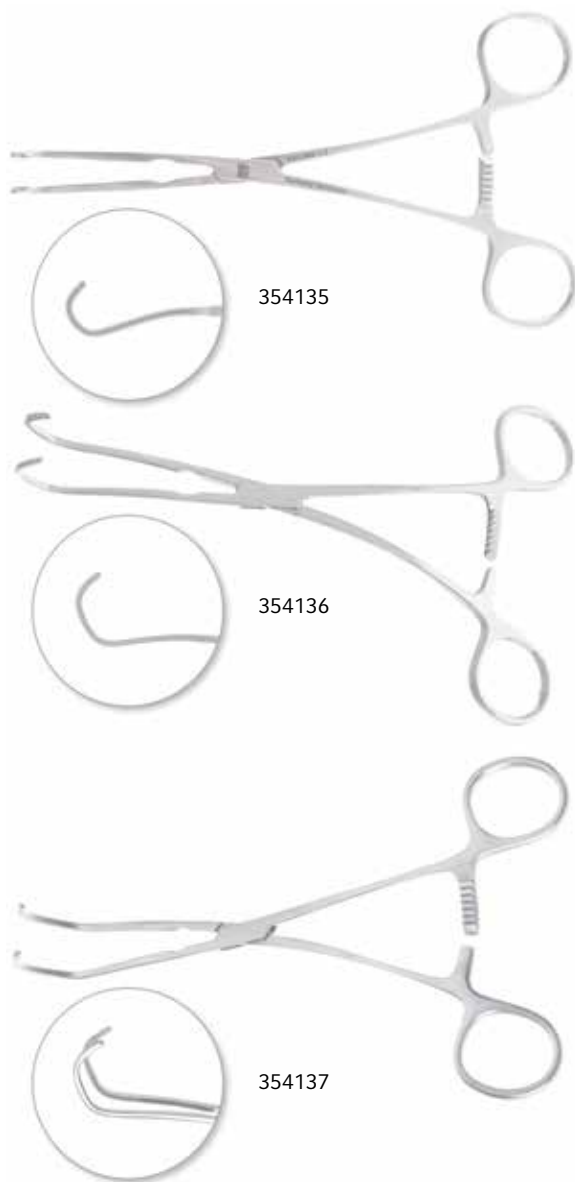
Peripheral Vascular Clamps



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)

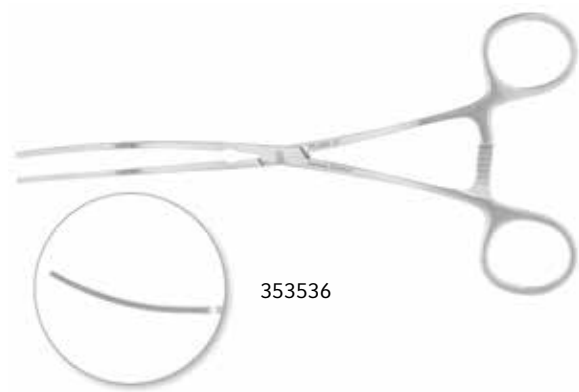




VASCULAR CLAMPS

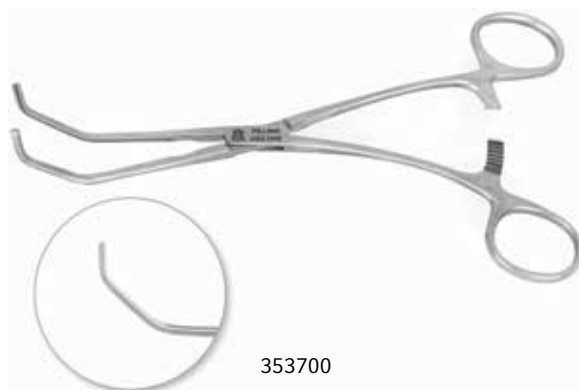
Peripheral Vascular Clamps

DIETHRICH CAVAL OCCLUSION CLAMP



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

DIETHRICH CORONARY ARTERY CLAMP



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

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

VASCULAR CLAMPS

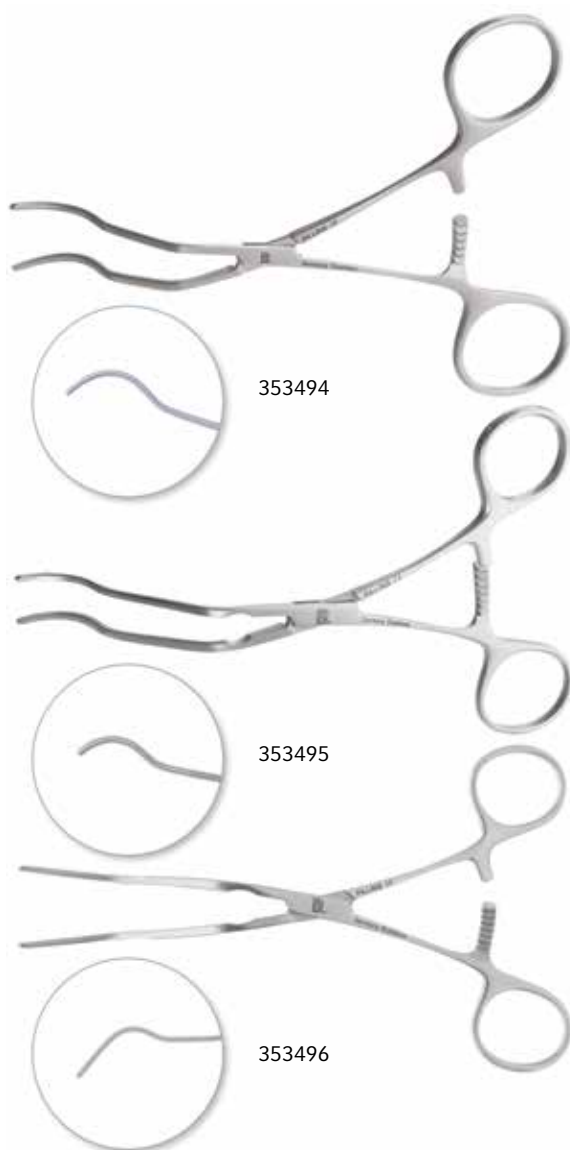
Peripheral Vascular Clamps



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)

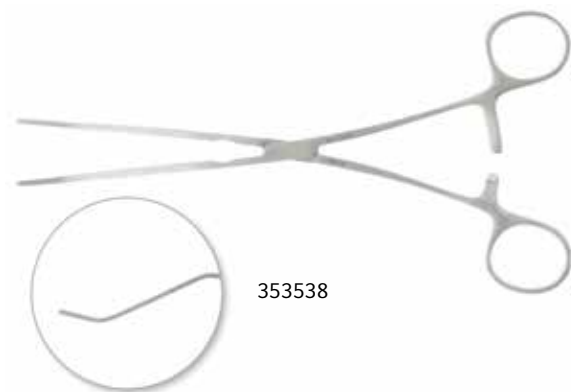




VASCULAR CLAMPS

Peripheral Vascular Clamps

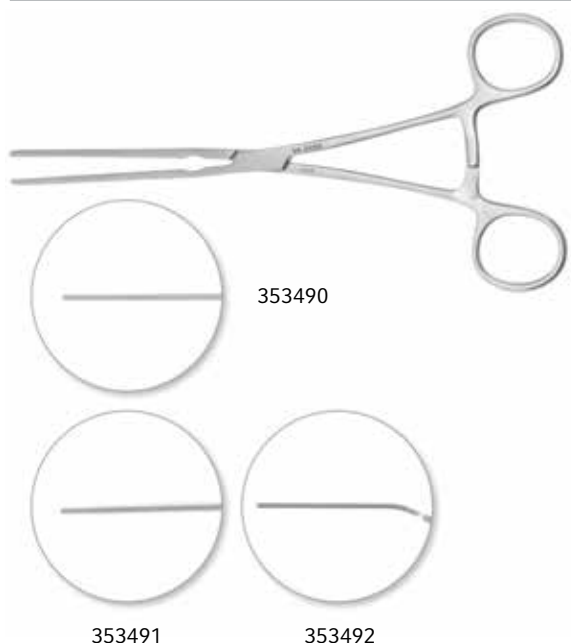
HENLY SUBCLAVIAN ARTERY CLAMP



Double angled DeBakey-type Jaws specially designed to allow clamping an artery of medium size from beneath the artery, allowing an unobstructed working area anteriorly. It is extremely 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)

VASCULAR CLAMPS

Peripheral Vascular Clamps



MITCHELL-ADAM MULTIPURPOSE CLAMP



A delicate vascular clamp 25 cm long with curved shanks. Designed as a multi-purpose clamp for vascular surgery. 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.

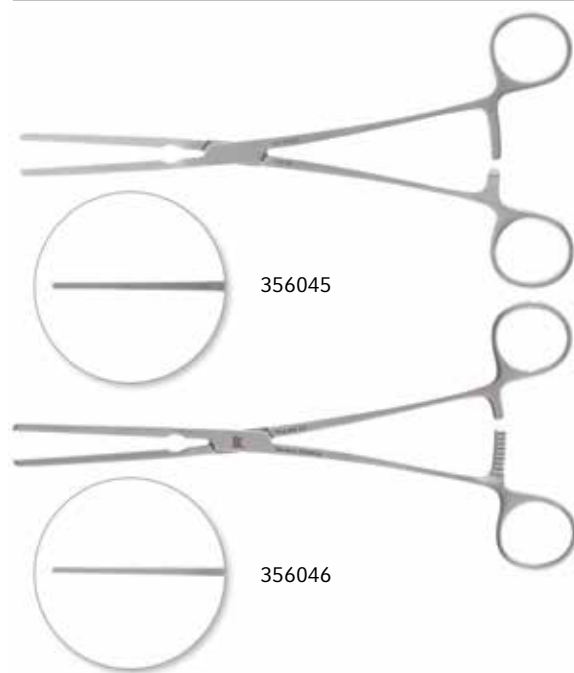
CATALOG #	DESCRIPTION
354839	Carotid, jaw length 5/8" (15 mm), 7-3/4" (19.5 cm)



VASCULAR CLAMPS

Cooley Vascular Clamps

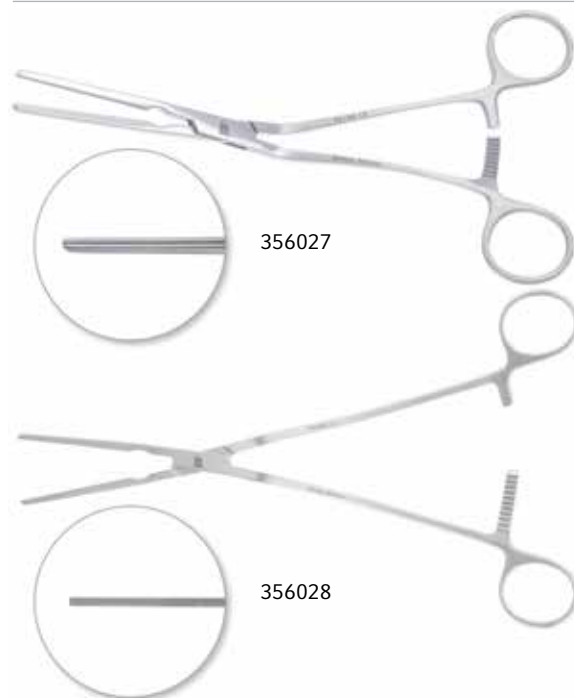
COOLEY COARCTATION CLAMPS



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. Unusually 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

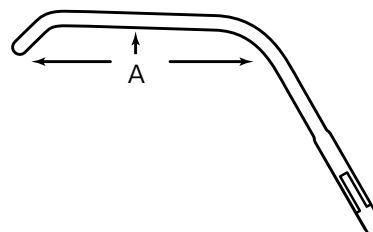
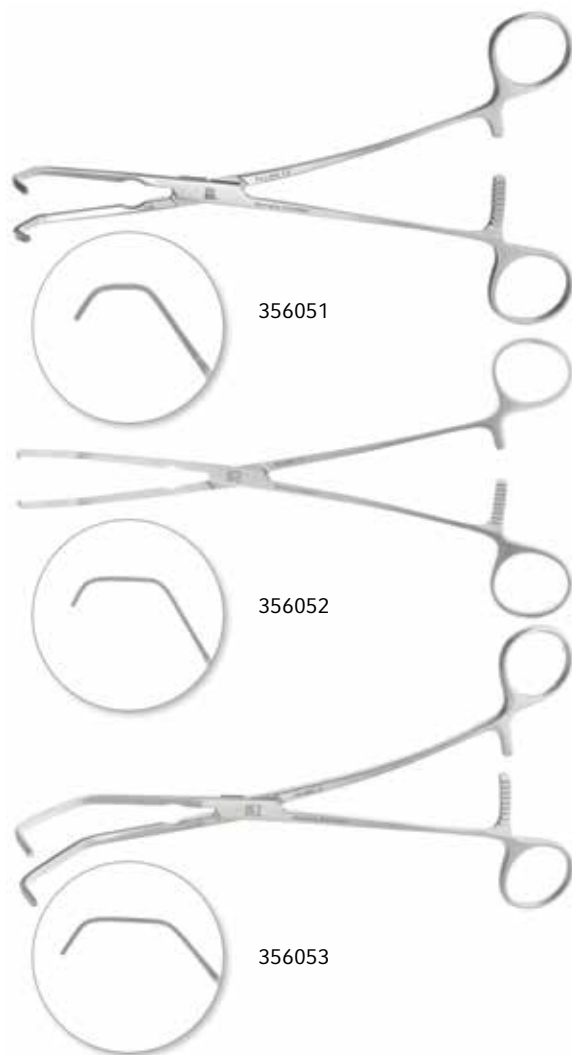
Cooley Vascular Clamps



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)

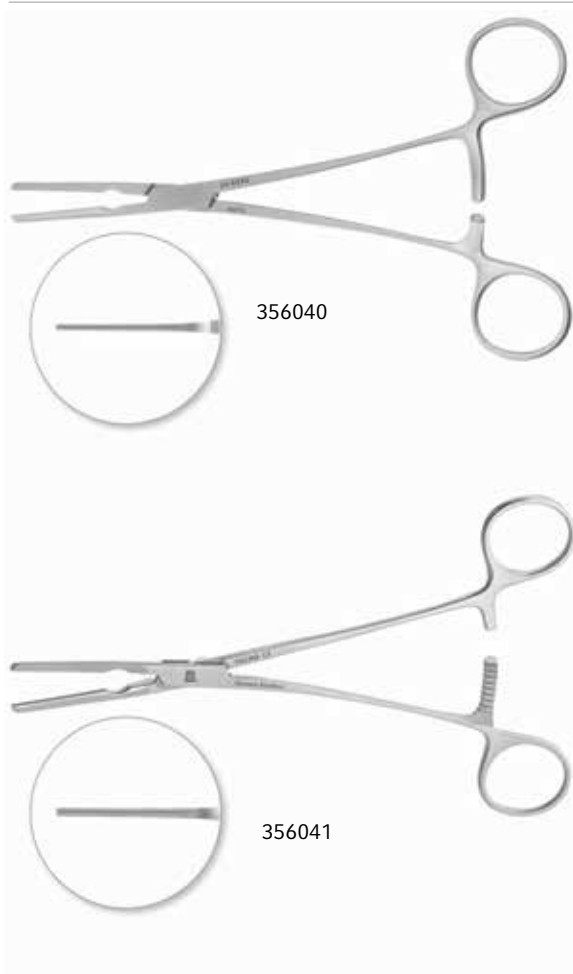


VASCULAR CLAMPS

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



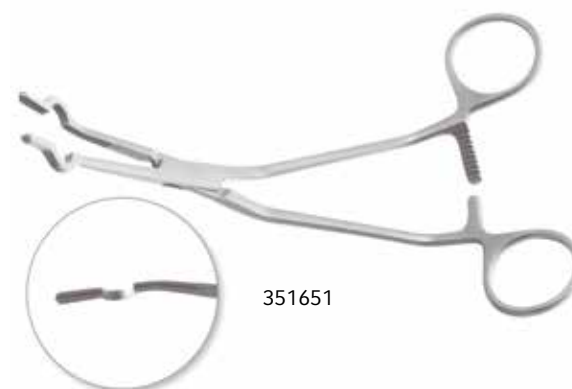
COOLEY PERIPHERAL VASCULAR CLAMPS



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

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

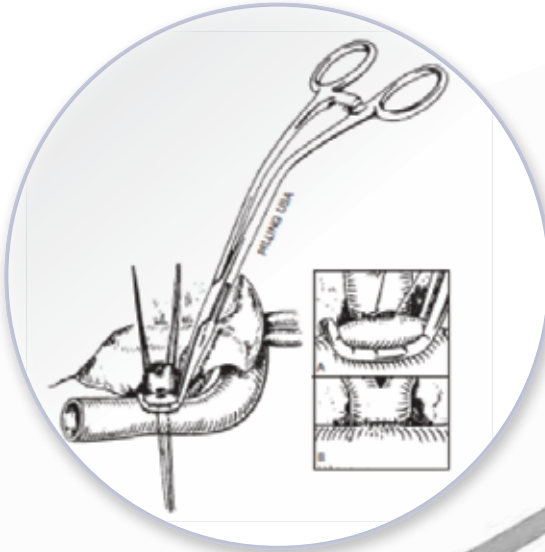
COOLEY VENA CAVA CLAMPS



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)

AORTIC VASCULAR CLAMPS



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

Ratchets on 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, Acheron 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. We have designed over 500 vascular clamps.



VASCULAR CLAMPS

Aortic Vascular Clamps

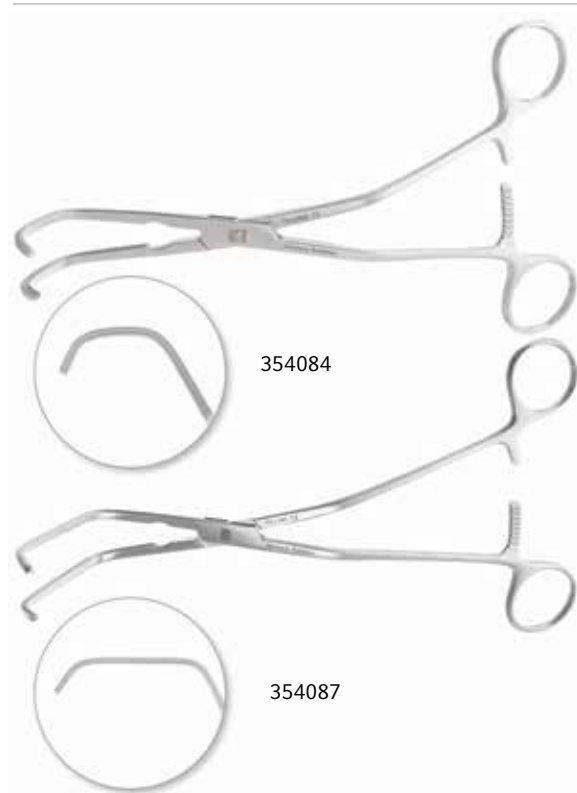
BAHNSON AORTA CLAMP



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

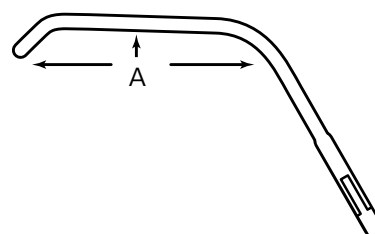
CATALOG #	DESCRIPTION
353623	Curved, DeBakey® Jaw, 2-3/4" (7 cm), 9" (23 cm)

BAILEY AORTA CLAMPS



Designed 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)

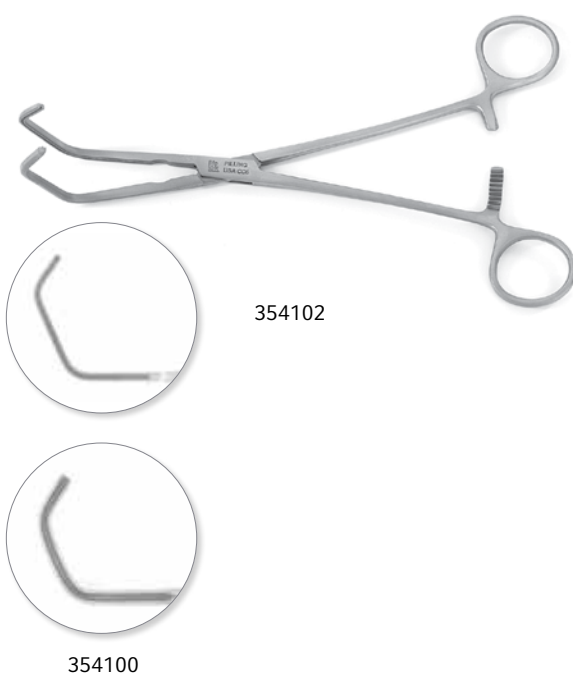


VASCULAR CLAMPS

Aortic Vascular Clamps



BECK-TYPE AORTA CLAMPS

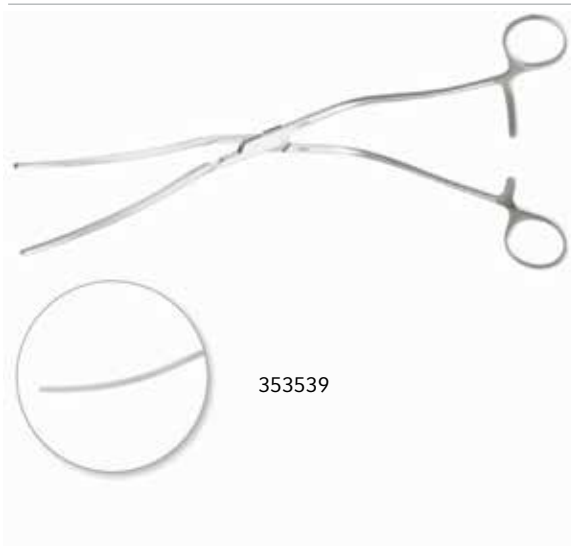


DeBakey-type Jaws, acutely angled at approximately 65 degrees. Straight shafts.

CATALOG #	DESCRIPTION
354100	Angled, DeBakey Jaw, 1-1/4" (3 cm) tip length (A), 8-1/8" (20.5 cm)
354102	Angled, DeBakey 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. For 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.

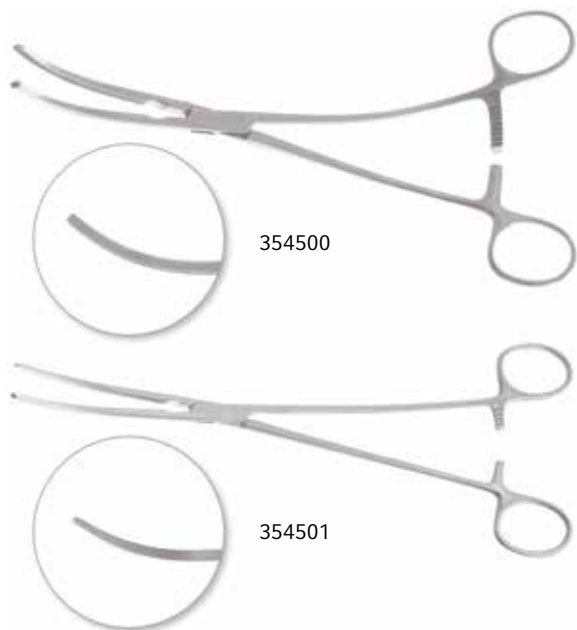
CATALOG #	DESCRIPTION
353539	Curved, 2 x 3 DeBakey-type Jaw, 50 degree handle, LIFE-LOK Box-Lock, 12-1/4" (31 cm)

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)

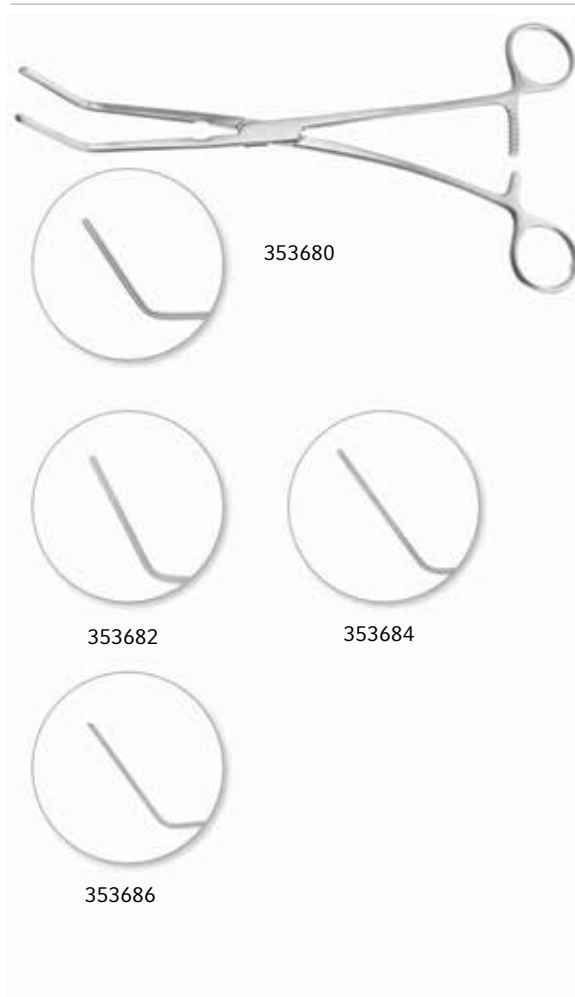


VASCULAR CLAMPS

Aortic Vascular Clamps

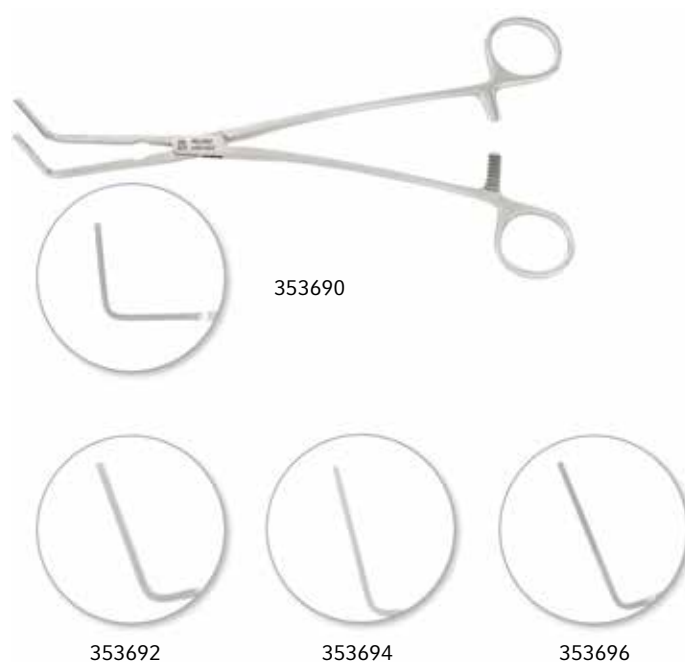


DEBAKEY MULTI-PURPOSE ANGLED CLAMPS



After considerable use and experimentation with a wide variety of standard pattern clamps, this assortment of matched design DeBakey Clamps has been assembled. 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, 1-1/4" (3.5 cm) jaw, 1 x 9 ratchets, 9-1/2" (24 cm)
353682	No. 2, 60 degree angle, 1-3/4" (4.5 cm) jaw, 1 x 9 ratchets, 8-5/8" (22 cm)
353684	No. 3, 60 degree angle, 2" (5 cm) jaw, 1 x 9 ratchets, 9-7/8" (25 cm)
353686	No. 4, 60 degree angle, 3-1/2" (8.9 cm) jaw, 1 x 11 ratchets, 11-5/8" (29.5 cm)
353690	No. 1, 90 degree angle, 1-3/4" (4.5 cm) jaw, 9-1/2" (24 cm)
353692	No. 2, 90 degree angle, 2-1/4" (5.5 cm) jaw, 7-1/4" (18.5 cm)
353694	No. 3, 90 degree angle, 2-3/4" (7 cm) jaw, 9" (23 cm)
353696	No. 4, 90 degree angle, 4-1/8" (10.5 cm) jaw, 10-1/4" (26 cm)

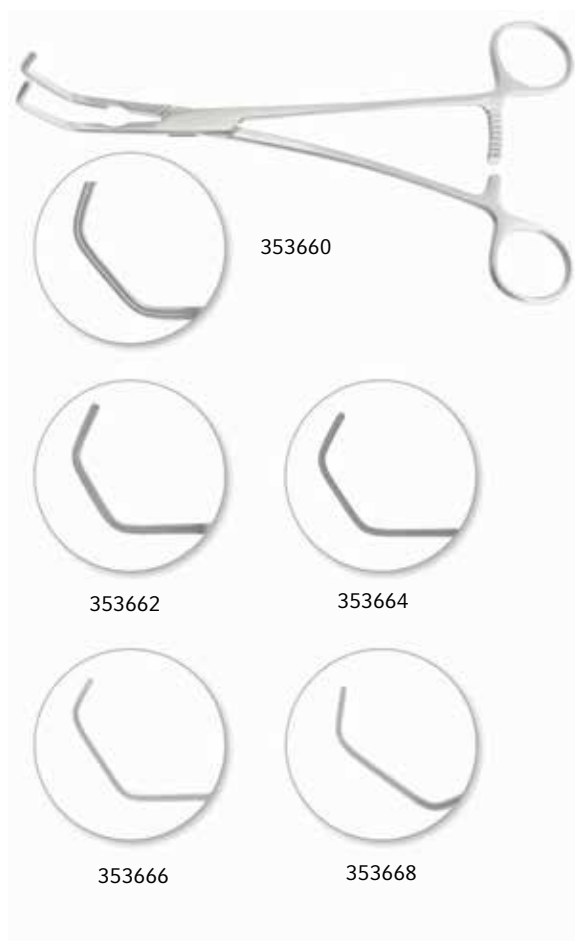




VASCULAR CLAMPS

Aortic Vascular Clamps

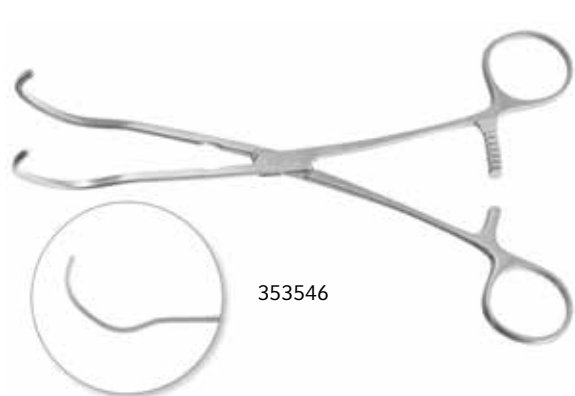
DEBAKEY TANGENTIAL OCCLUSION CLAMPS



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 unusually long distal sections, adding to their value as partial tangential occlusion clamps. Dull, 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



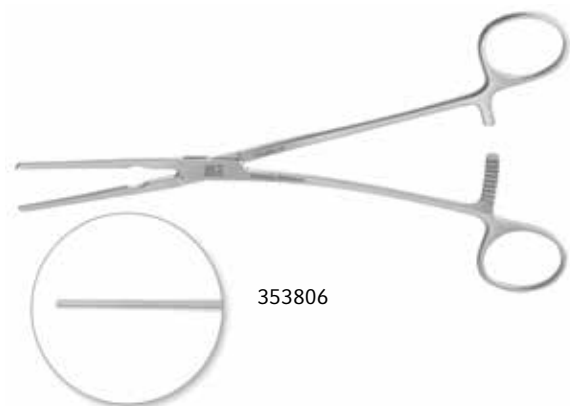
CATALOG #	DESCRIPTION
353546	Curved, 1-1/4" (3.5 cm) DeBakey-type Jaws, 8" (20 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps



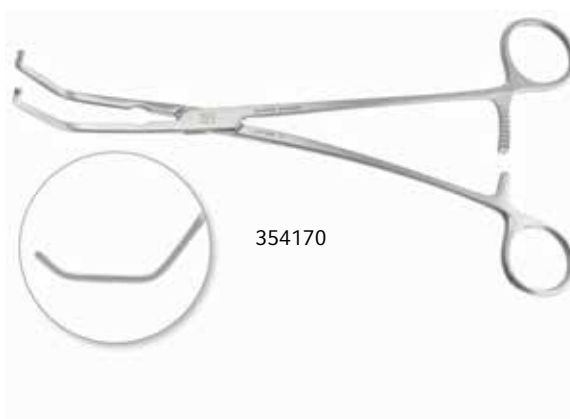
GERBODE PATENT DUCTUS CLAMP



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.

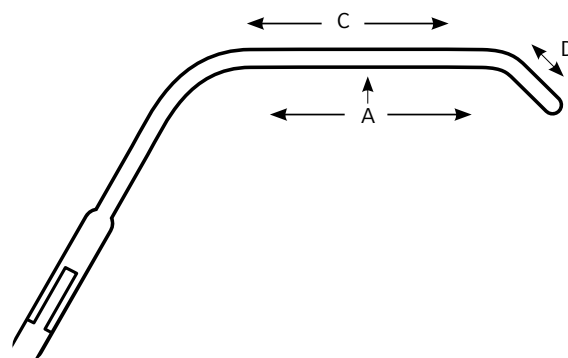
CATALOG #	DESCRIPTION
353806	Angled, 8" (20.5 cm)

GLOVER ATRIAL APPENDAGE CLAMP



DeBakey-type Jaws. Specially designed for holding the atrial appendage at any level without crushing.

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)

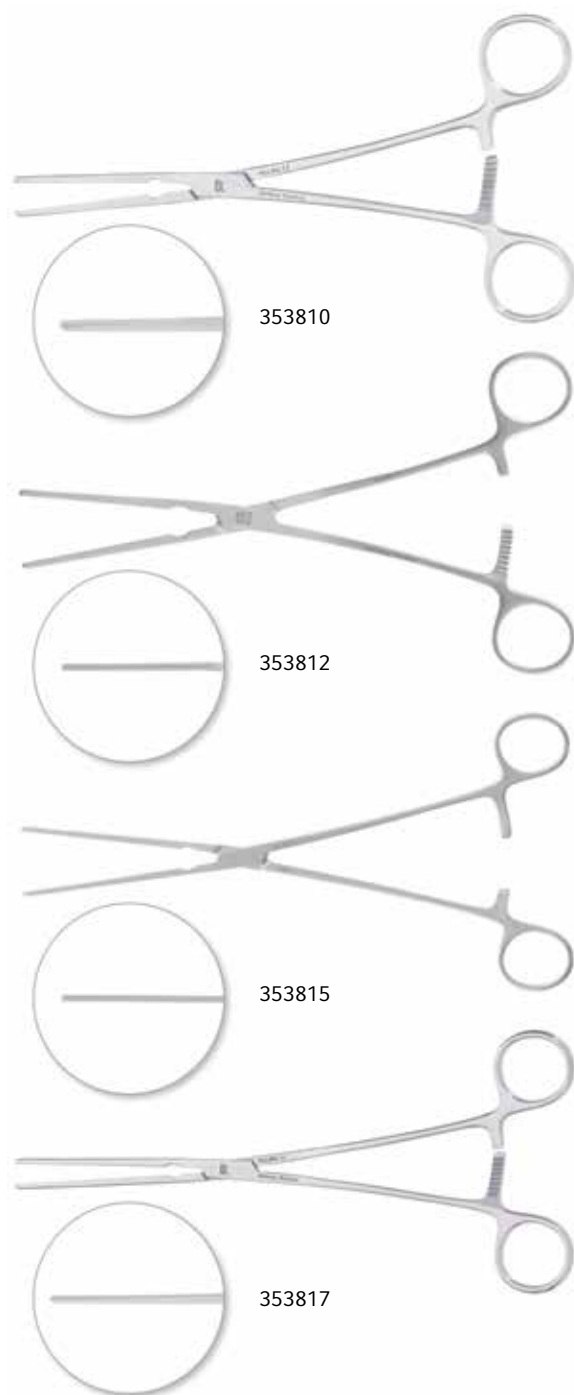


VASCULAR CLAMPS

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)



VASCULAR CLAMPS

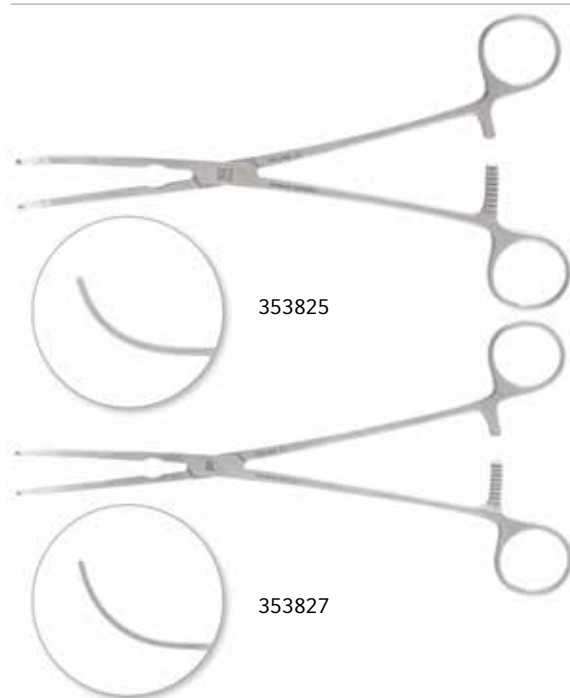
Aortic Vascular Clamps



GLOVER CURVED CLAMPS

Curved DeBakey-type Jaws.

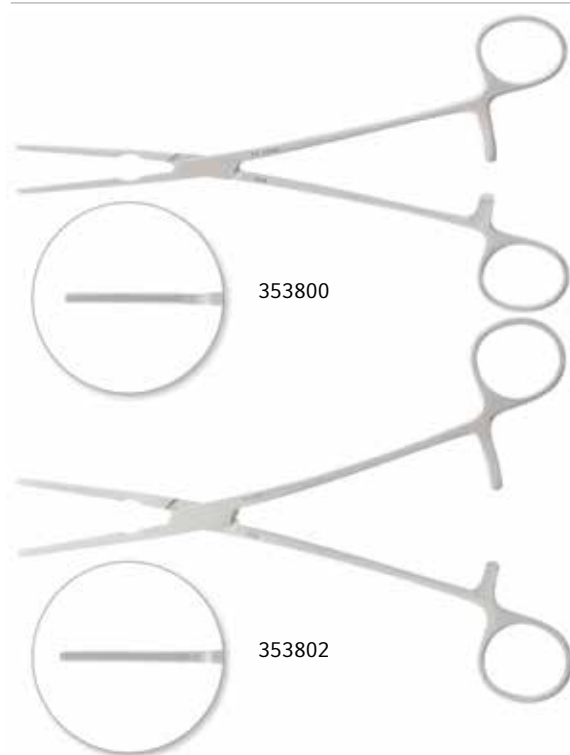
CATALOG #	DESCRIPTION
353825	Standard size, 1-1/4" (3 cm) jaw, 8-1/2" (21.5 cm)
353827	Extra-long, 1-3/4" (4.5 cm) jaw, 9-7/8" (25 cm)



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

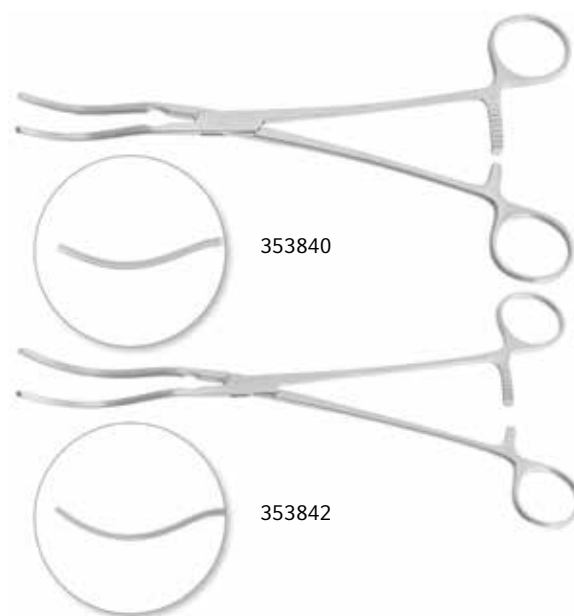
GLOVER RIGHT ANGLE CURVED CLAMPS



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.

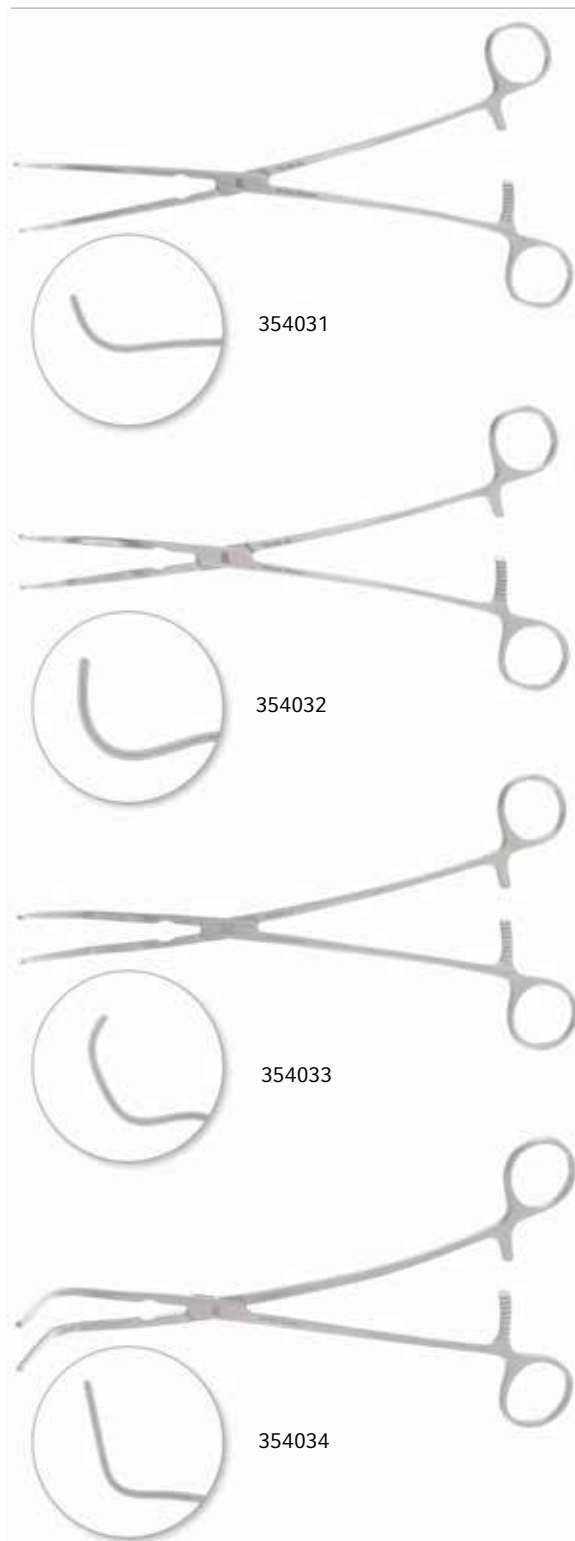
CATALOG #	DESCRIPTION
353840	Standard size, 2-3/4" (7 cm) jaw, 8-5/8" (22 cm)
353842	Extra-long, 3-7/8" (10 cm) jaw, 10-1/2" (27 cm)

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.

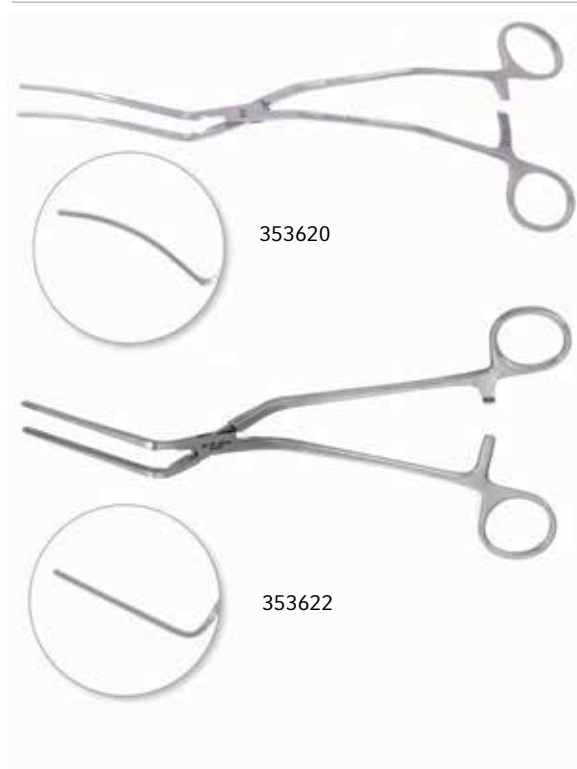
CATALOG #	DESCRIPTION
354031	No. 1 curve, 10-1/2" (26.5 cm)
354032	No. 2 curve, 10-1/8" (25.5 cm)
354033	No. 3 curve, 10" (25.5 cm)
354034	No. 4 curve, 9-5/8" (24.5 cm)

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)



AORTIC VASCULAR CLAMPS

Kay and Lambert-Kay Anastomosis Clamps



Three clamps designed primarily as side-biting clamps for ascending aorta to be used in lateral anastomosis in saphenous vein coronary artery by-pass procedures. Both 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



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

LAMBERT-KAY AORTIC ANASTOMOSIS CLAMP



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

VASCULAR CLAMPS

Aortic Vascular Clamps



KAY AORTIC ANASTOMOSIS CLAMP



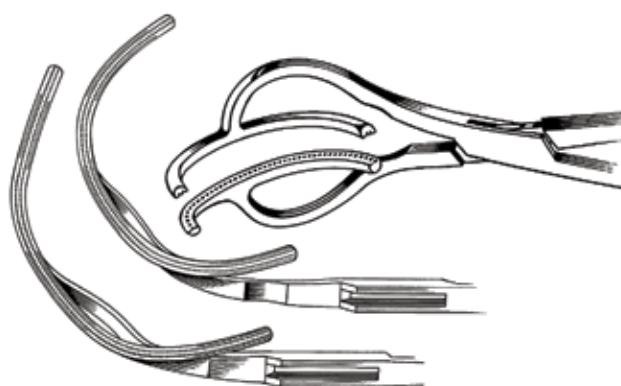
CATALOG #	DESCRIPTION
353580	1-1/2" (4 cm) jaw, 7-5/8" (19.5 cm)

LEMOLE-STRONG AORTA CLAMPS



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



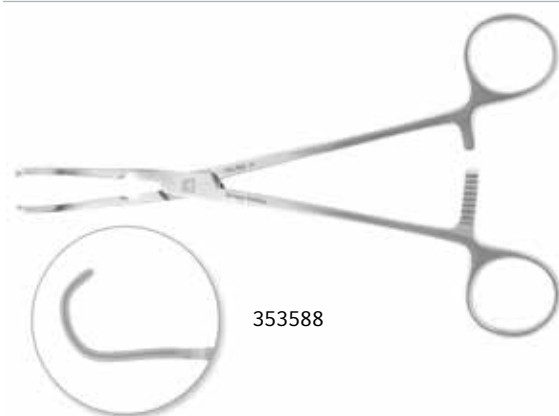
STRONG AORTA CLAMPS



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

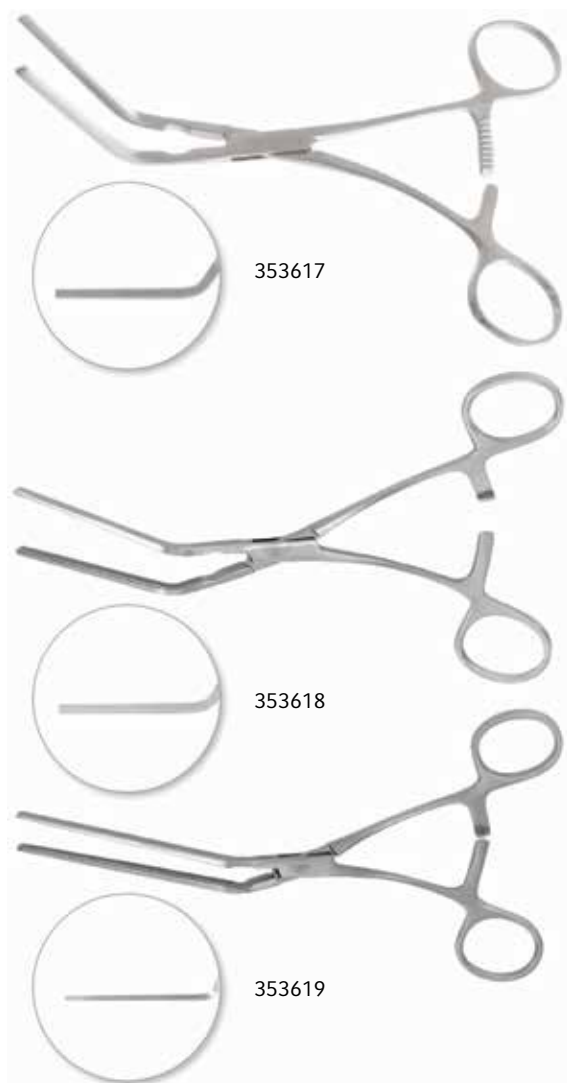
Aortic Vascular Clamps



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)



VASCULAR CLAMPS

Aortic Vascular Clamps



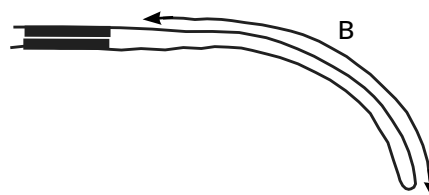
O'NEILL DOUBLE CURVED CLAMP



354165

This is a multipurpose instrument, actually 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)

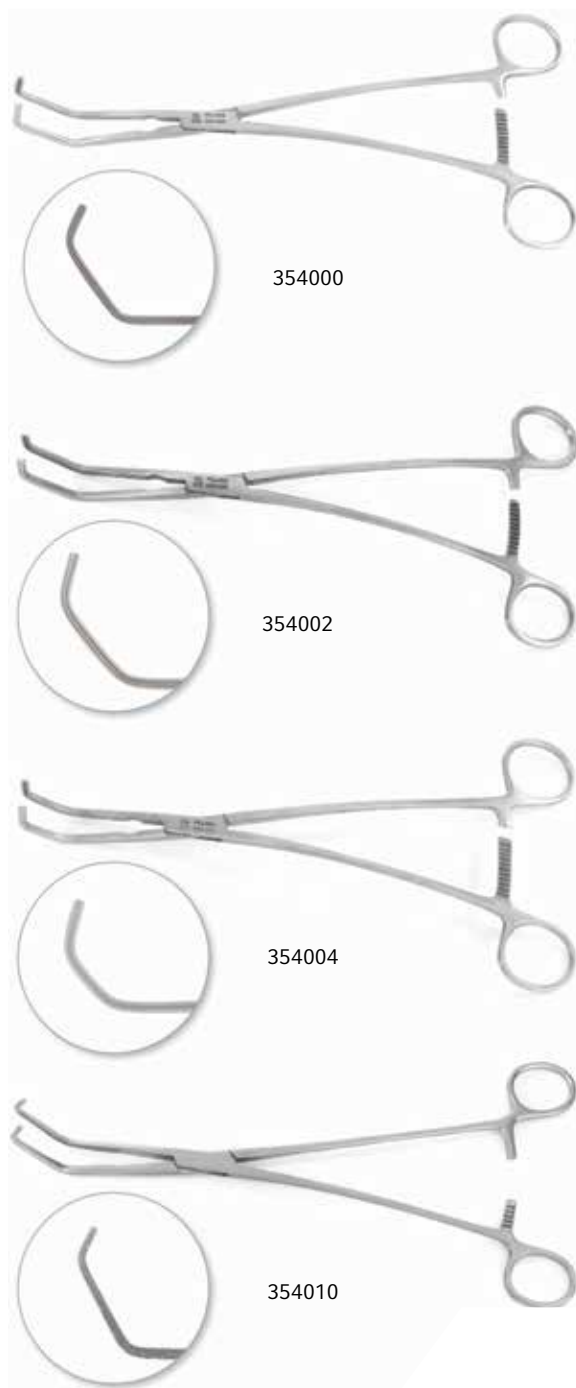




VASCULAR CLAMPS

Aortic Vascular Clamps

SATINSKY CLAMPS



These instruments, originally designed for secure non-crushing 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. Dull, non-glare finished stainless steel.

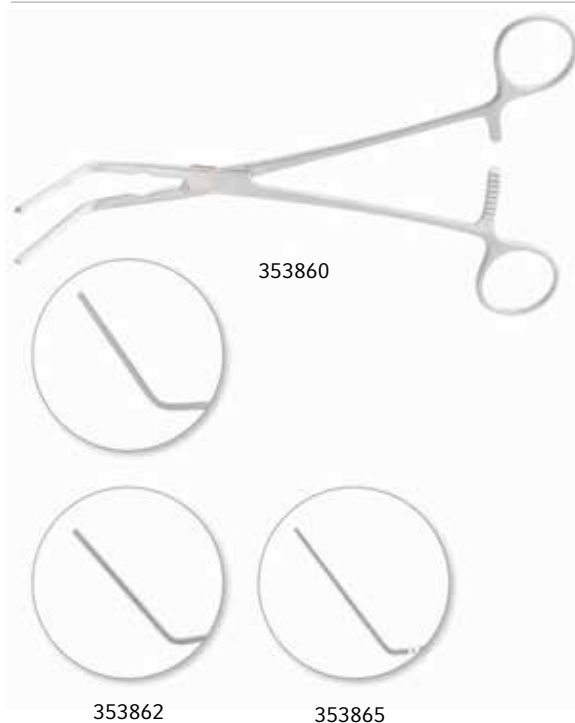
CATALOG #	DESCRIPTION
354000	Large, 2" (5 cm) jaw, 10-1/4" (26 cm)
354002	Medium, 1-1/2" (4 cm) jaw, 10" (25.5 cm)
354004	Small, 1-1/4" (3 cm) jaw, 9-3/4" (25 cm)
354005	Set of 3 (354000, 354002, 354004)
354010	Same as Large Satinsky Clamp (354000) except with original criss-cross serrated jaw

VASCULAR CLAMPS

Aortic Vascular Clamps



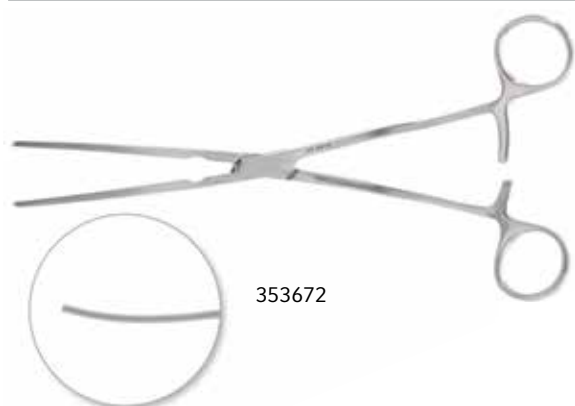
SCHUMAKER ANGULAR AORTA CLAMPS



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

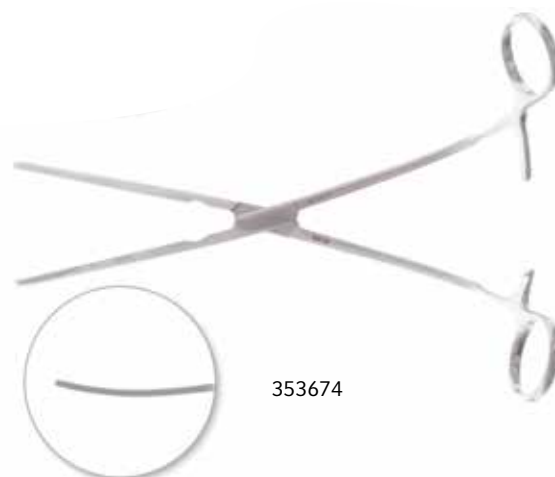
CATALOG #	DESCRIPTION
353860	Standard model, jaws 1-1/8" (5.5 cm) past angle, 8-1/2" (21.5 cm)
353862	Standard model, jaws 2-3/4" (7 cm) past angle, 8-7/8" (22.5 cm)
353865	Heavy model, jaws 3-15/16" (10 cm) past angle, jaw width 4 mm, 11-1/4" (28.5 cm)

STONEY DEEP AORTA CLAMPS



Features severely 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

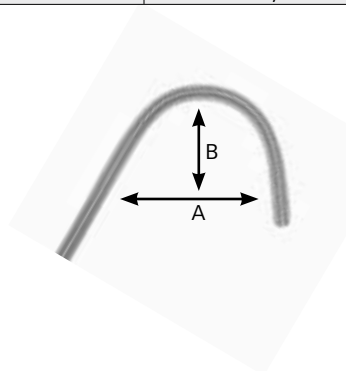
WYLIE "J" AORTIC CLAMPS

DeBakey-type Jaws very 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)



353655



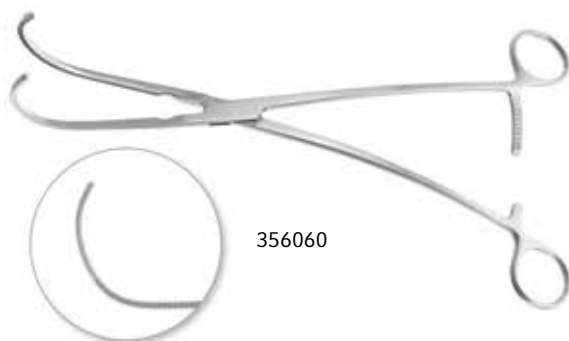
353656

VASCULAR CLAMPS

Aortic Aneurysm Clamps



COOLEY AORTA CLAMP

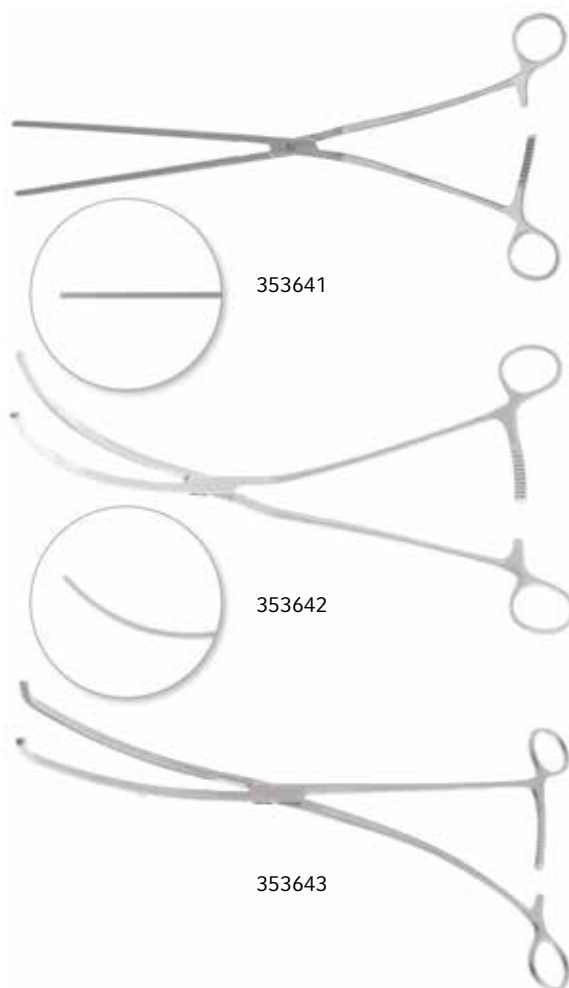


356060

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

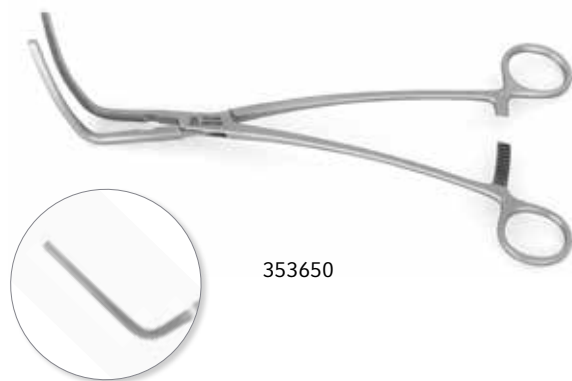
CATALOG #	DESCRIPTION
353641	Straight jaw, 6-3/8" (16 cm), 13-1/2" (34 cm)
353642	Curved jaw, angled handle, 12-7/8" (32.5 cm)
353643	"S" curve, angled tip, 13-5/8" (34.5 cm)



VASCULAR CLAMPS

Aortic Aneurysm Clamps

DEBAKEY AORTA CLAMP



353650

Jaws angled on flat and spoon-shaped. 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.

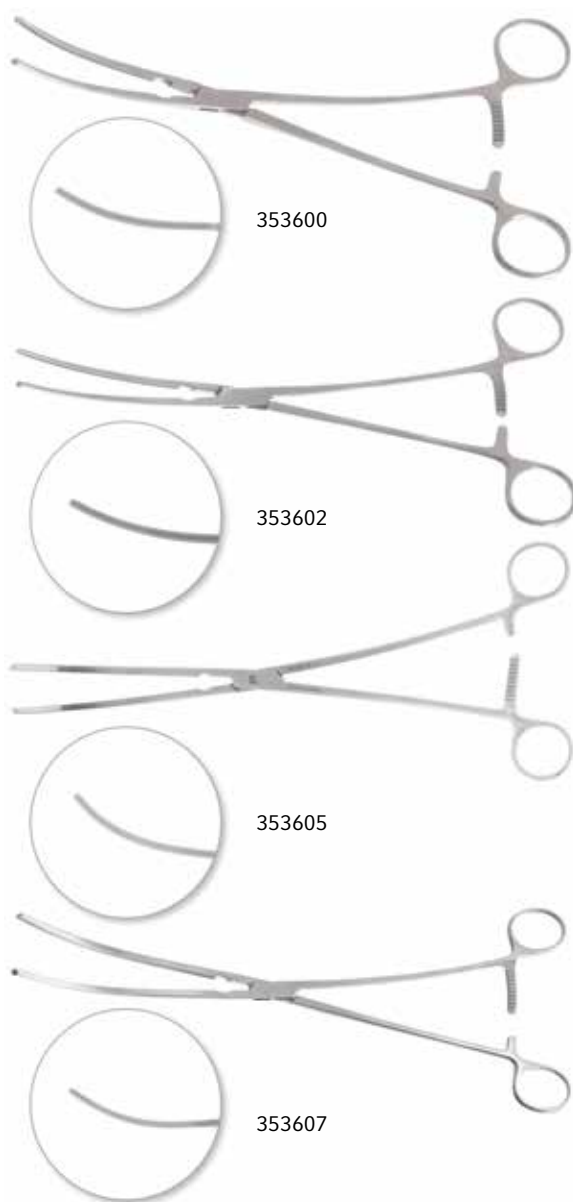
CATALOG #	DESCRIPTION
353650	Angled on flat and spoon-shaped, 2-1/2" (6.5 cm) jaw, 1 x 11 ratchets, 10-1/4" (26 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps



DEBAKEY AORTIC ANEURYSM CLAMPS



DeBakey-type Jaws. For occlusion of the neck of sac-ciform 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.

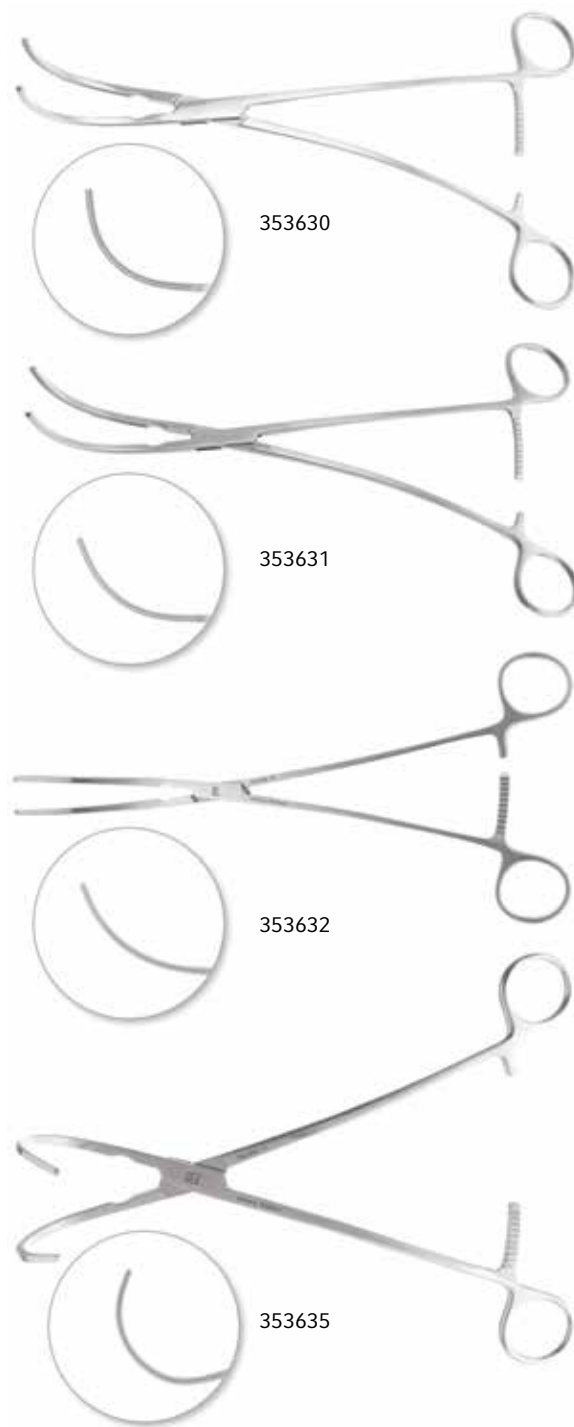
CATALOG #	DESCRIPTION
353600	3-3/4" (9.5 cm) jaw, 1 x 9 ratchets, 10-3/8" (26.5 cm)
353602	4" (10 cm) jaw, 1 x 9 ratchets, 10-7/8" (27.5 cm)
353605	4-7/8" (12.5 cm) jaw, 1 x 11 ratchets, 12-1/2" (32 cm)
353607	5-3/4" (14.5 cm) jaw, 1 x 11 ratchets, 13-1/4" (33.5 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps



DEBAKEY CURVED CLAMPS



These matched instruments are useful in a wide variety of situations but were originally designed to temporarily occlude 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)



VASCULAR CLAMPS

Aortic Aneurysm Clamps



DEBAKEY 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.

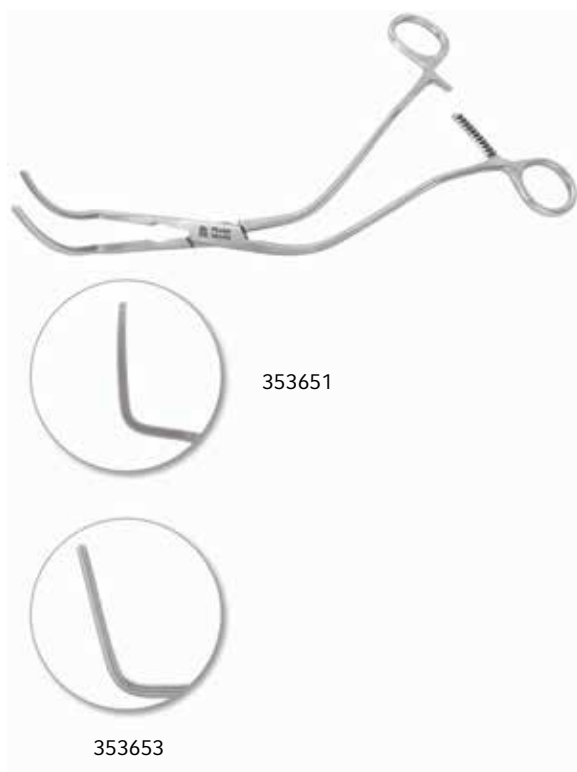
CATALOG #	DESCRIPTION
353625	2-1/8" (5.5 cm) jaw, 9-1/2" (24 cm)
353626	11-1/8" (28.5 cm)
353627	2-1/4" (5.5 cm) jaw, 12-1/2" (31.5 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps

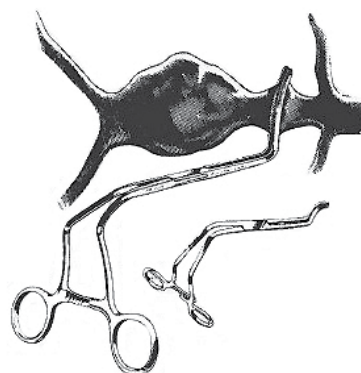


GRANT ABDOMINAL AORTIC ANEURYSM CLAMPS, "TEXAS TWISTER"

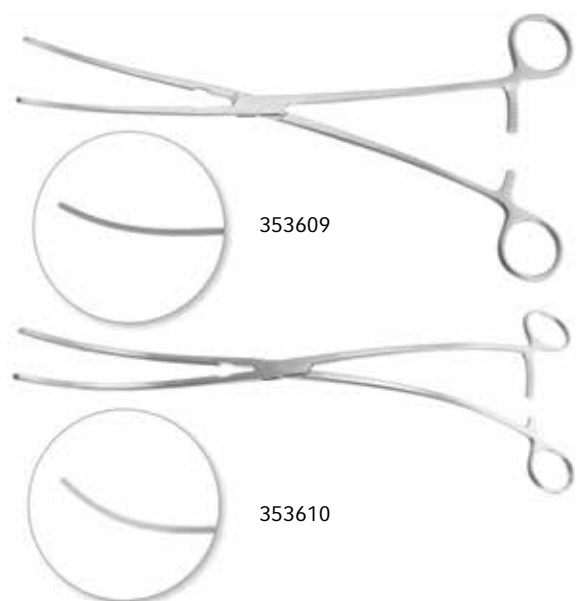


Unique design allows lateral cross clamping of aorta. On thin patients the multi-angled handle can be conveniently placed over left wound margin. In the heavy or obese patient, handles can be tucked under abdominal wall. Wide, secure, 2 x 3 DeBakey-type Jaws, 1 x 11 ratchets for gradual declamping and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



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

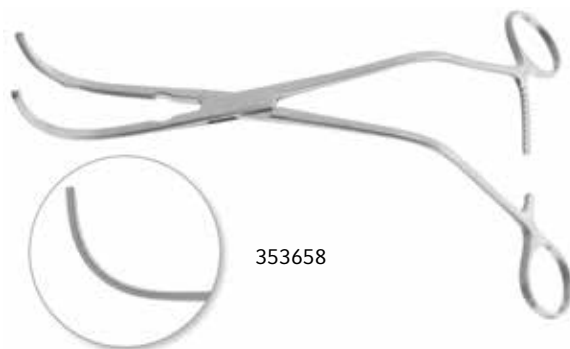
CATALOG #	DESCRIPTION
353609	1 x 2, 4-1/8" (10.5 cm) jaws, 10-3/4" (27.5 cm)
353610	2 x 3, 4" (10.5 cm) jaws, 12-1/2" (32 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps



WYLIE ABDOMINAL AORTA CLAMP



353658

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

ZANGER ABDOMINAL AORTA CLAMPS



353595



353596



353597

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

RATCHET LOCK



354320

CATALOG #	DESCRIPTION
354320	Slips on the ratchets of most standard size cardiac clamps. Prevents ratchet from accidentally becoming disengaged and from springing open.

Aortic Compressor

CONN AORTIC COMPRESSOR



351715

A simple device used to gain initial control of the proximal circulation in suspected or known rupture of abdominal aortic aneurysms. Designed to allow 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)

SCISSORS

Potts-Style Scissors



BEALL CIRCUMFLEX ARTERY SCISSORS



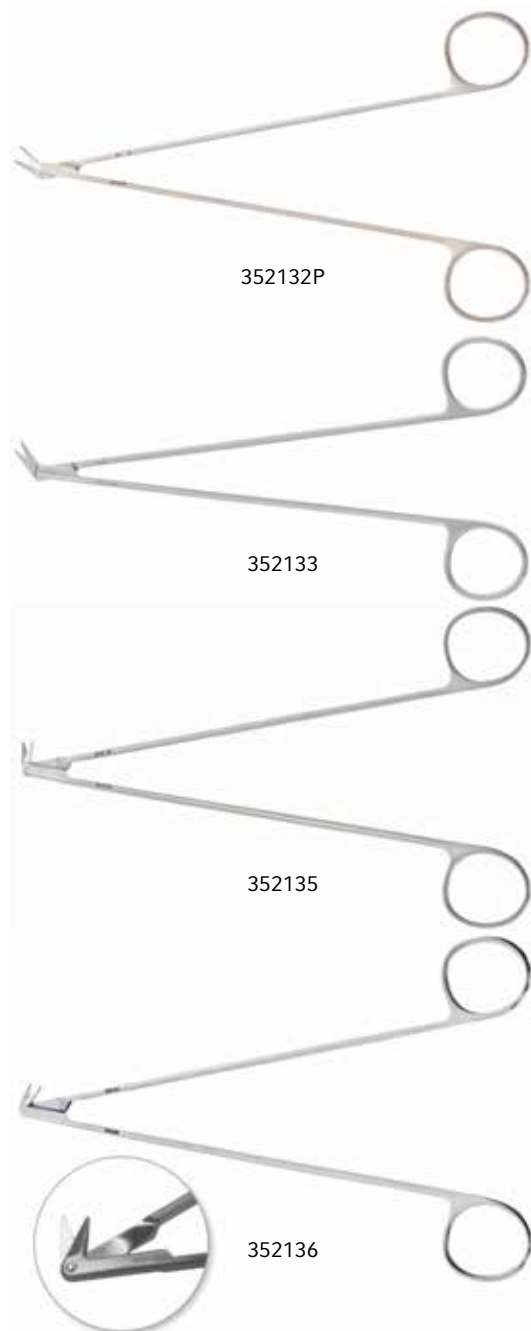
CATALOG #	DESCRIPTION
352169	Angled 110 degrees, delicate, 15 mm blades, 6" (15 cm)

SCISSORS

Potts-Style Scissors



BEALL MICRO CORONARY SCISSORS



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 an 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)

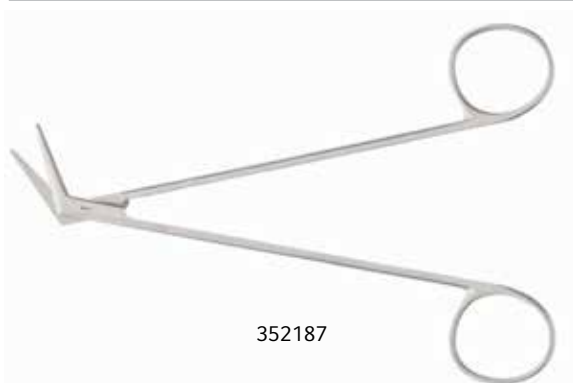


SCISSORS

Potts-Style Scissors



DEBAKEY POTTS SCISSORS



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

SCISSORS

Potts-Style Scissors



DEBAKEY VASCULAR SCISSORS

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

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)



352173



352177



352185



352191



352196



352197



SCISSORS

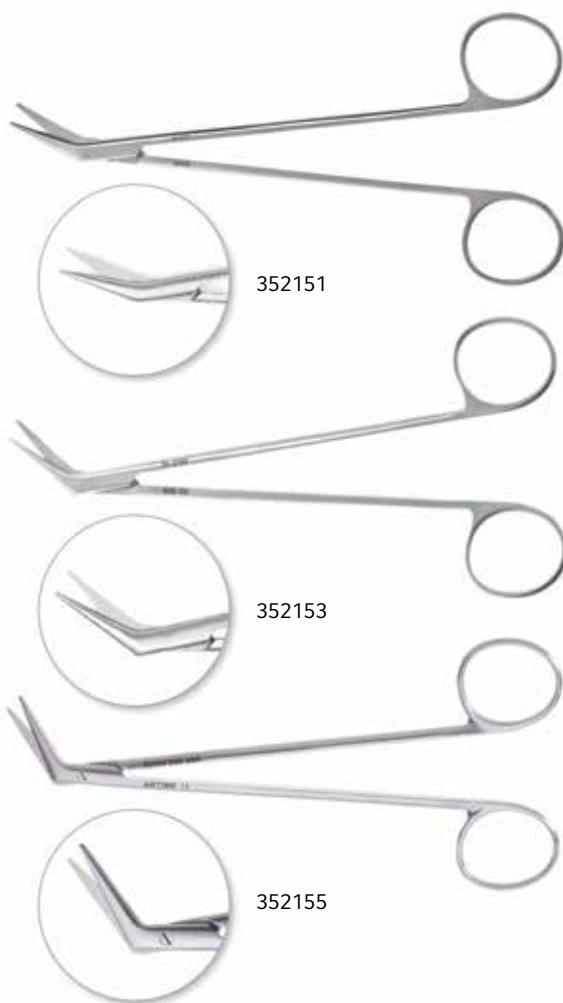
Potts-Style Scissors



DEBAKEY-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)

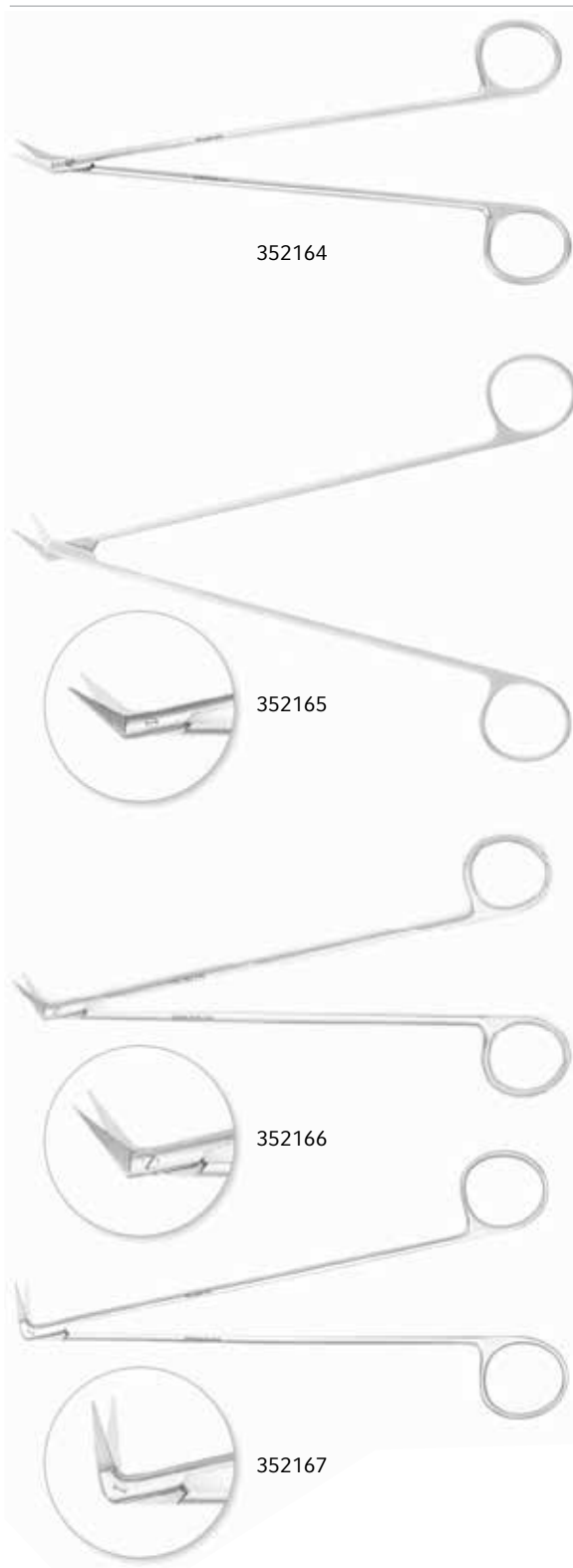


SCISSORS

Potts-Style Scissors

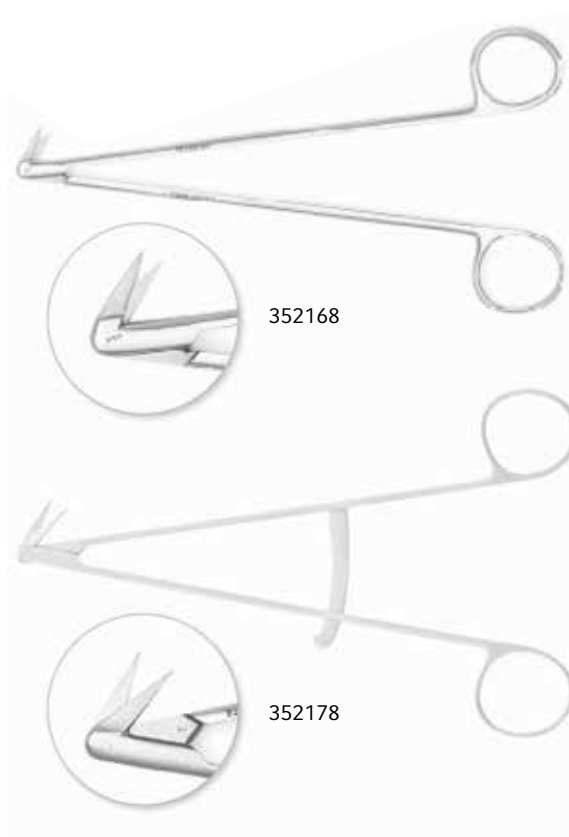


CORONARY POTTS SCISSORS



Designed for extending and tailoring coronary arteriotomies. 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)



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



352146

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)



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)

SCISSORS

Potts-Style Scissors



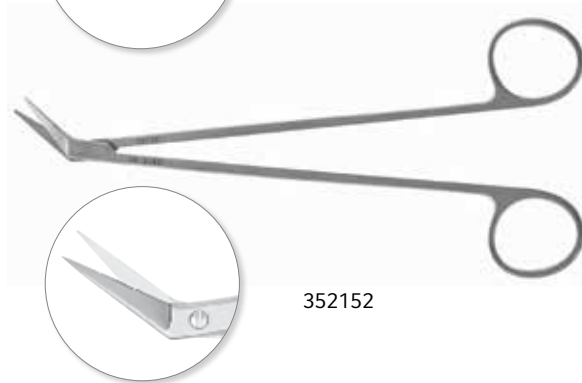
POTTS SMITH SCISSORS



352150



352170



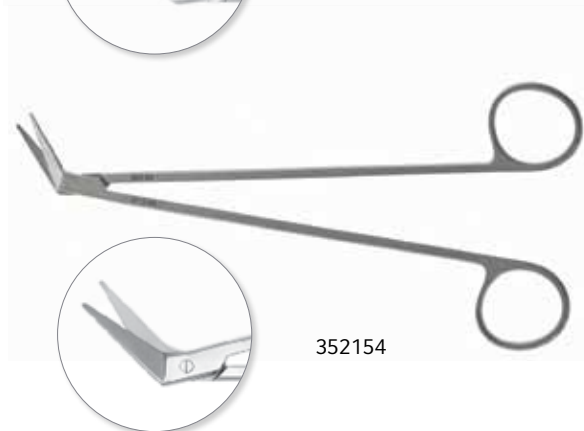
352152

Angled to side. 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)



352171



352154

SCISSORS

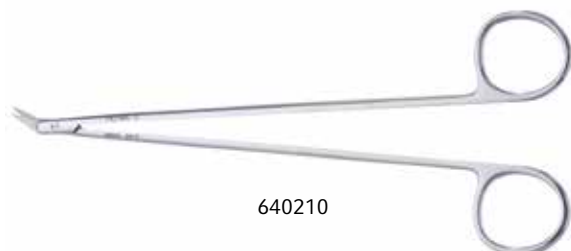
Potts-Style Scissors



POTTS SMITH VASCULAR SCISSORS

Standard, angled blades. bright finish.

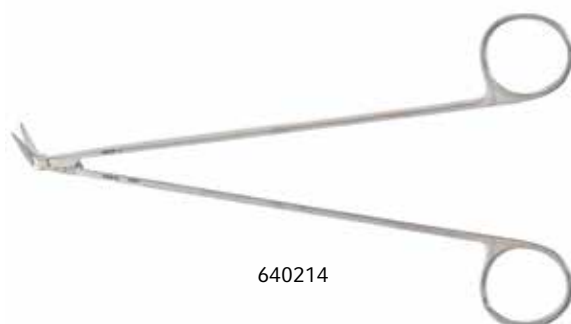
CATALOG #	DESCRIPTION
640210	Angled 25 degrees, 7" (18 cm)
640212	Angled 45 degrees, 7" (18 cm)
640214	Angled 60 degrees, 7" (18 cm)
640216	Angled 130 degrees, 6-3/4" (17 cm)
640225	Angled 25 degrees, 18 mm blades, 7-1/2" (19 cm)
640245	Angled 45 degrees, 18 mm blades, 7-1/4" (18.5 cm)
640260	Angled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



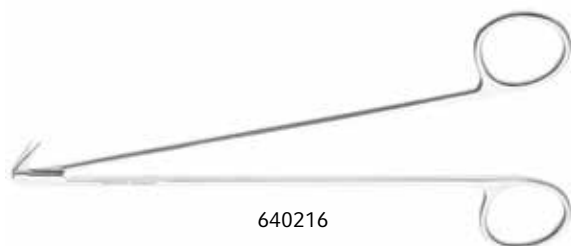
640210



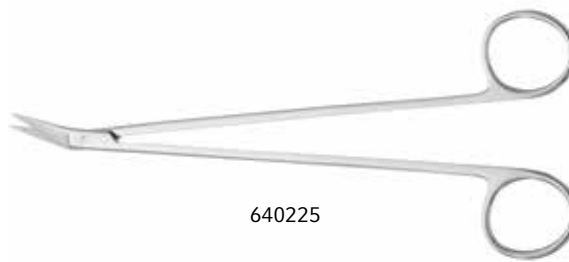
640212



640214



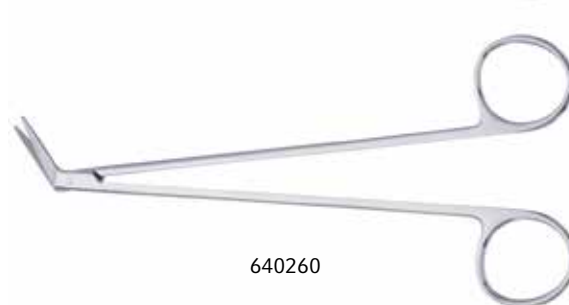
640216



640225



640245



640260



CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SCISSORS

Potts-Style Scissors

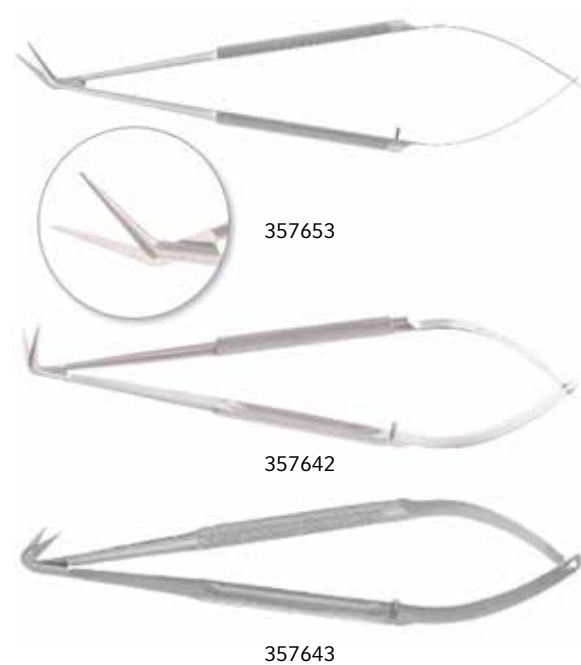


YASARGIL VASCULAR SCISSORS



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 designed for a more precise and controlled arteriotomy.

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). Designed for the circumflex artery.

SCISSORS

Vascular and Cardiac Scissors



BAKST CARDIAC SCISSORS



352232

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 ENDARTERECTOMY SCISSORS

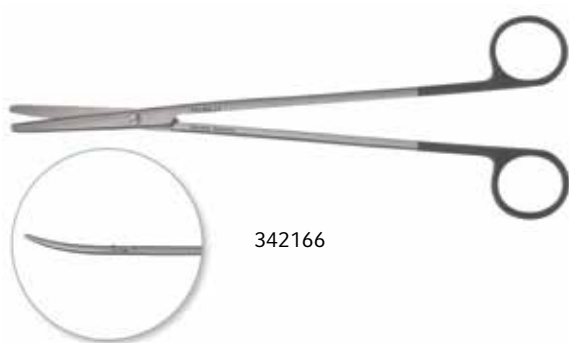


352180

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 SCISSORS



342166

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 VALVE SCISSORS



Heavy construction.

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

DEBAKEY-METZENBAUM DISSECTING SCISSORS



Curved blades. These scissors are proportionately matched in weight.

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.

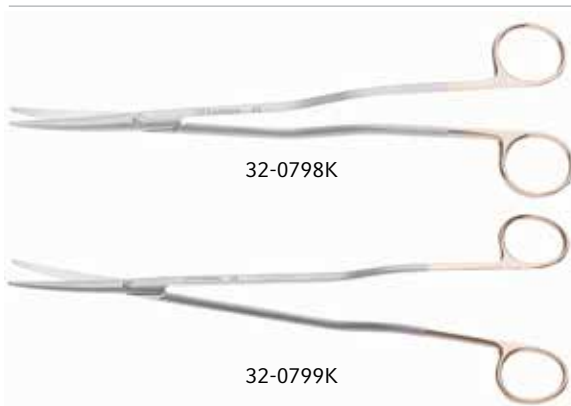
CATALOG #	DESCRIPTION
342220	6" (15 cm)
342221	7" (18 cm)
342222	8" (20.5 cm)
342223	9" (23 cm)

SCISSORS

Vascular and Cardiac Scissors



OFFSET METZENBAUM SCISSORS



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

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)

SCISSORS

Vascular and Cardiac Scissors



JACOBSON VASCULAR SCISSORS



357623

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

MICRO VASCULAR ANASTOMOSIS SCISSORS



357651

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)



357652

NEUROFEEL MICRO SCISSORS



395115

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 increased control and visibility.

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

CASTROVIEJO SCISSORS

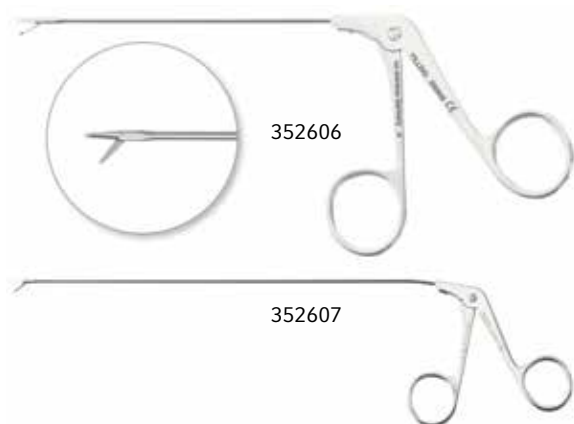


Spring handle for maximum control.

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)

CVT NEEDLE HOLDERS

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

BAILEY CARDIAC TECHNIQUE NEEDLE HOLDER



Very 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 TECHNIQUE NEEDLE HOLDERS



Carefully designed with 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



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

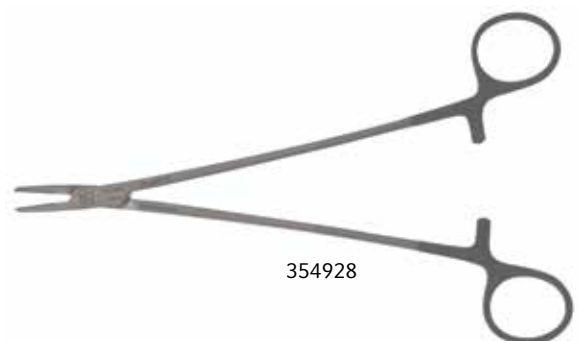
HOWELL CORONARY TECHNIQUE NEEDLE HOLDER



354920

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

HOWELL VALVE TECHNIQUE NEEDLE HOLDER



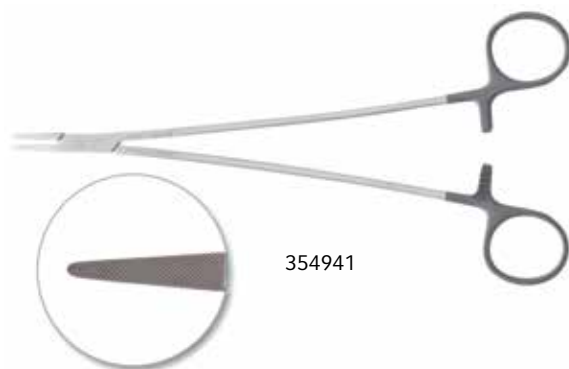
354928

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

CVT NEEDLE HOLDERS



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 Thin Needle Holders (opposite page) for reduced weight and more "feel."

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

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

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

CVT NEEDLE HOLDERS



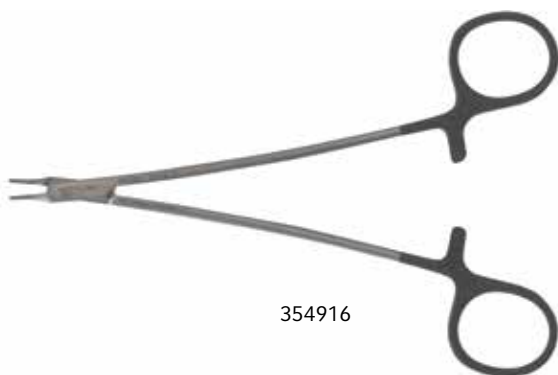
RYDER EXTRA FINE TECHNIQUE NEEDLE HOLDERS



Satin finish. Sculptured 1 mm wide jaws designed 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, very lightly serrated, 4 mm tapering to 1.5 - 2 mm tips, 13 mm long. The medium size was designed specifically for repair of the femoral arteriotomy site with fine sutures following completion of the by-pass.

CATALOG #	DESCRIPTION
354915	Delicate, 15.5 x 2.3 mm jaw, 5-3/4" (14.5 cm), TC
354916	14.5 x 1.5 mm jaw, 6-3/4" (17 cm), TC
354917	15.5 x 2.3 mm jaw, 7-1/2" (19 cm), TC

CVT NEEDLE HOLDERS

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



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

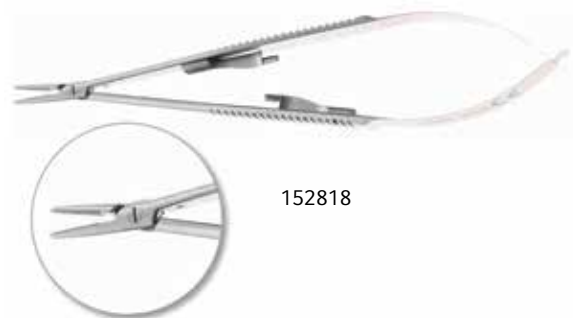


354964DG

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 Diamo-Grip jaw, 8-1/2" (21.5 cm)

JACOBSON MICRO NEEDLE HOLDERS

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



358001

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)



358002



358003



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. Lock can be removed if not required.

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 designed 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



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

WIRE TWISTING FORCEPS



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



Flat handle.



359361

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

ADSON TITANIUM TISSUE FORCEPS



Flat handle.



359043

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

ADSON-BROWN TITANIUM TISSUE FORCEPS



Flat handle.

359359

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

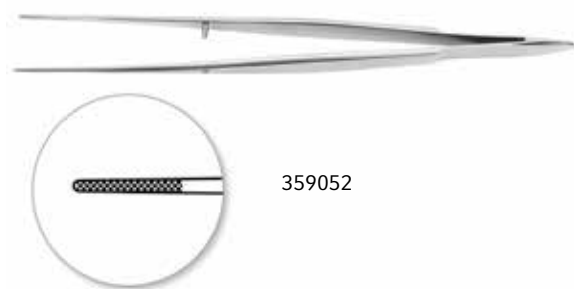


359053

Flat handle.

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

CUSHING TITANIUM DRESSING FORCEPS

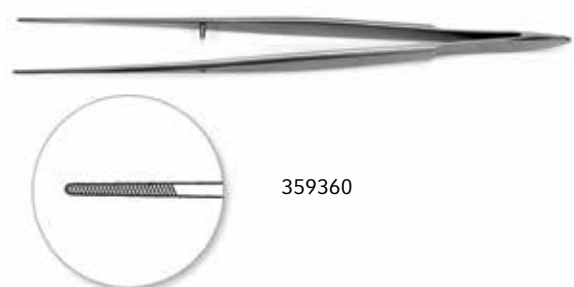


359052

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)

TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Tissue and Dressing Forceps

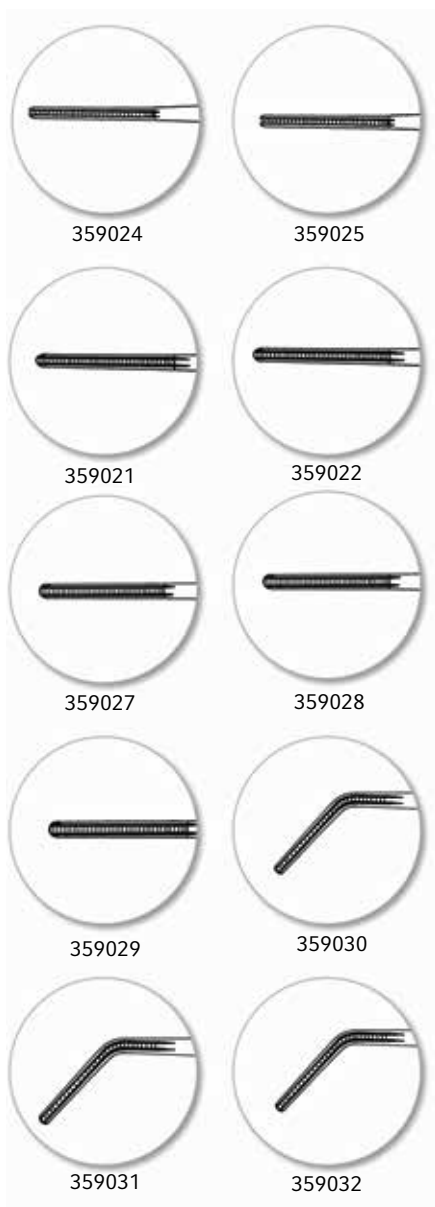


DEBAKEY TITANIUM TISSUE FORCEPS



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



Flat handle. Serrated tip.



359048

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

GERALD TITANIUM TISSUE FORCEPS



Flat handle. Serrated tip.



359049

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

GILLIES TITANIUM TISSUE FORCEPS



Flat handle.



359051

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

TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Tissue and Dressing Forceps



GUILMET TITANIUM DRESSING FORCEPS

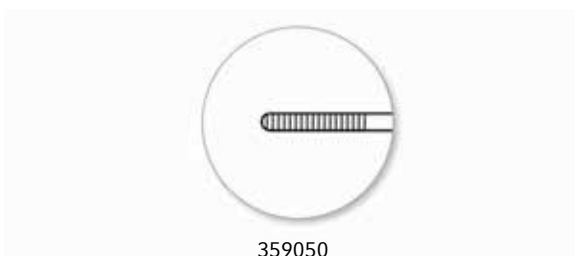


359054

Flat handle.

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

MCINDOE TITANIUM TISSUE FORCEPS



359050

Flat handle.

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

Micro Forceps

DENIS TITANIUM MICRO FORCEPS



359407

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

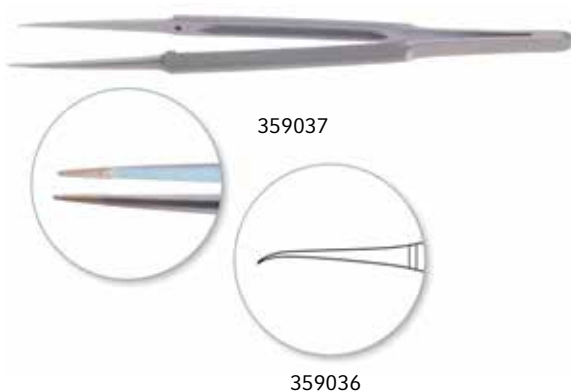


TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Micro Forceps

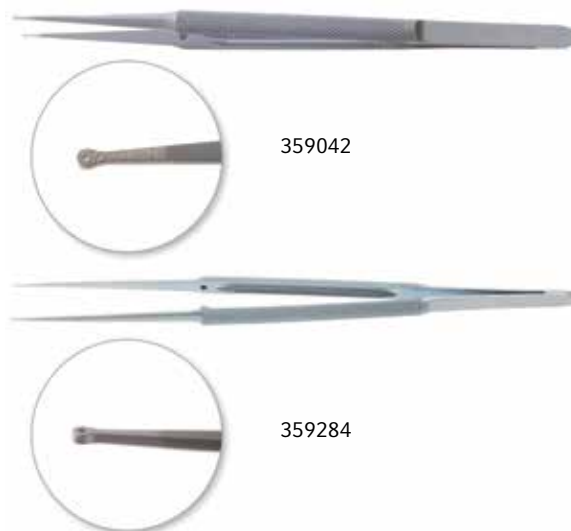
MICRO TITANIUM DIAMA-GRIP TYING FORCEPS



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)

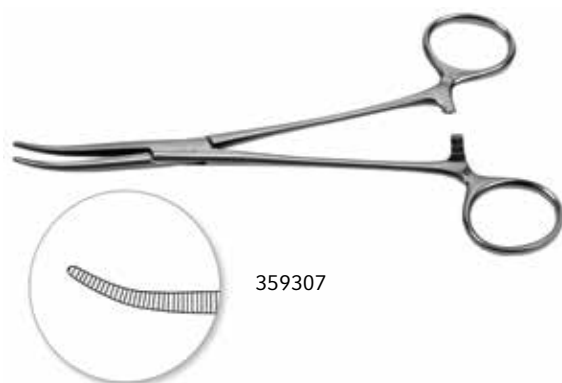
TITANIUM INSTRUMENTS

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

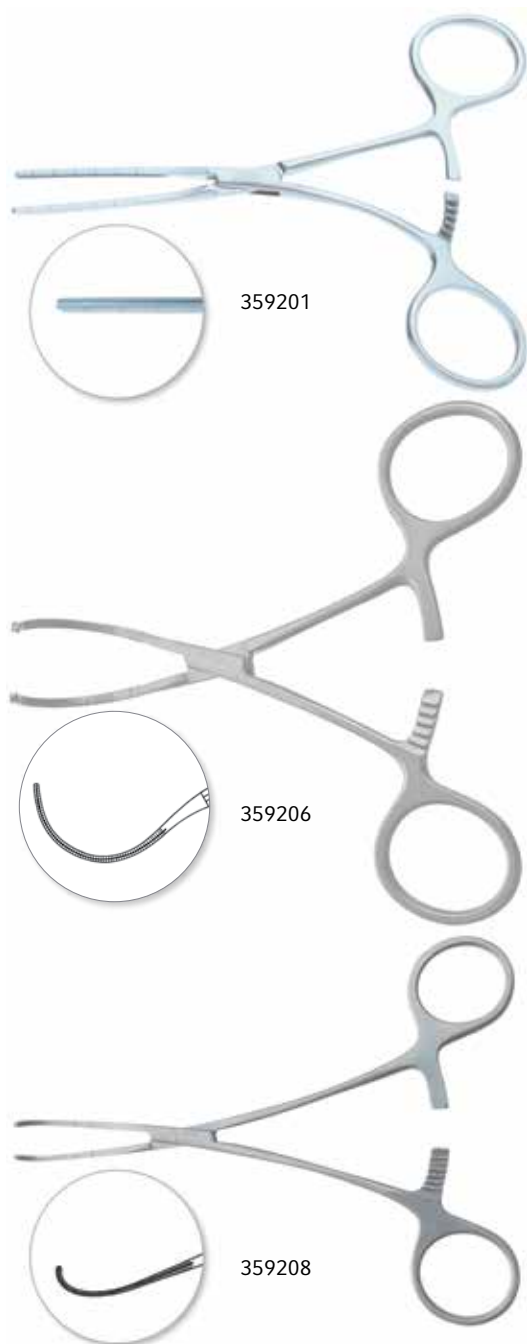
FORCEPS AND CLAMPS

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)



TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Pediatric Vascular Clamps



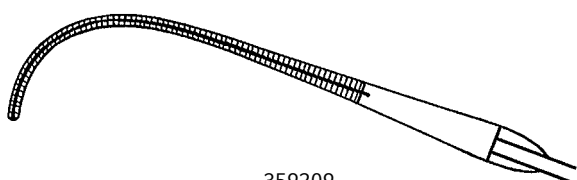
CASTANEDA TITANIUM VASCULAR CLAMPING FORCEPS

Clamping Forceps (15 g).

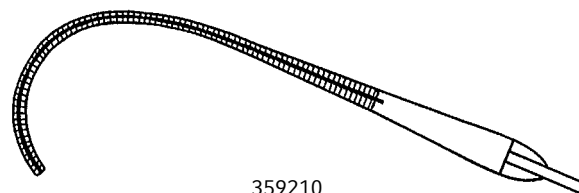
CATALOG #	DESCRIPTION
359209	Curved jaw, 6-1/2" (17 cm)
359210	Curved jaw, 6-3/8" (17 cm)
359211	Straight jaw, 6-5/8" (17 cm)
359212	30 degree angled jaw, 6-1/4" (16 cm)
359213	50 degree angled jaw, 6" (15 cm)
359214	70 degree angled jaw, 5-7/8" (15 cm)
359215	90 degree angled jaw, 5-3/8" (13.5 cm)



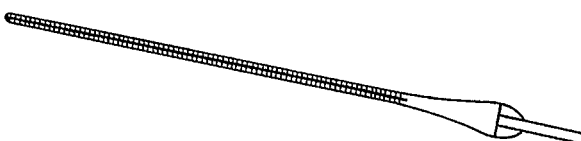
359213



359209



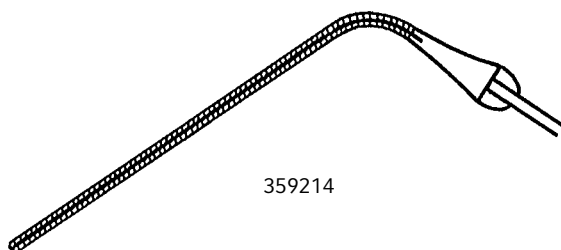
359210



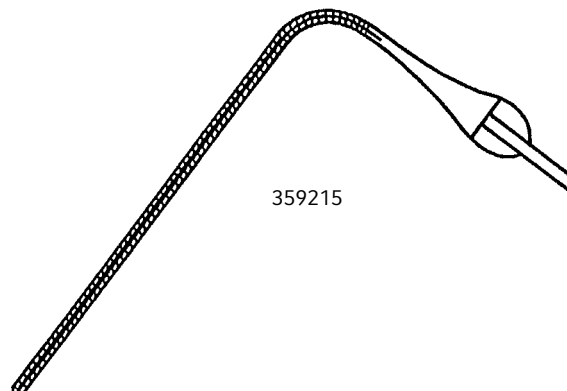
359211



359212



359214



359215

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Pediatric Vascular Clamps



COOLEY TITANIUM PEDIATRIC CLAMP



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

DEBAKEY TITANIUM PEDIATRIC CLAMPS



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)



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

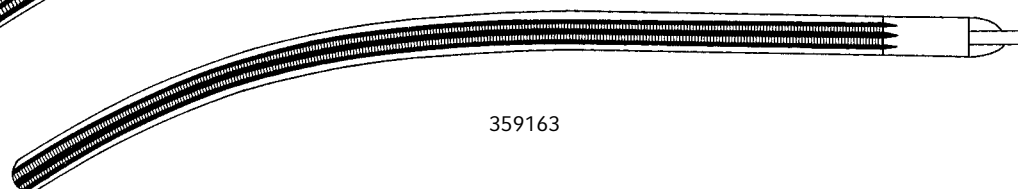
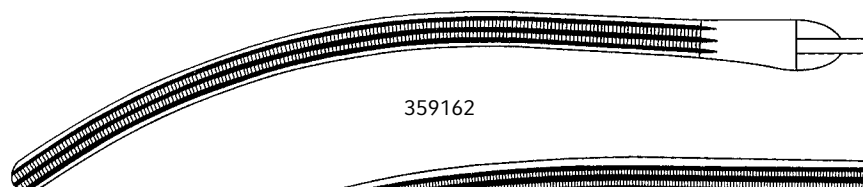
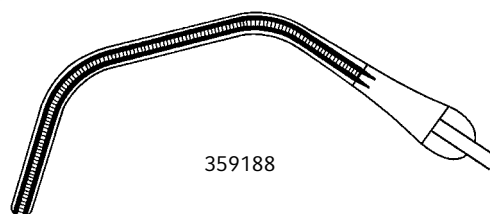
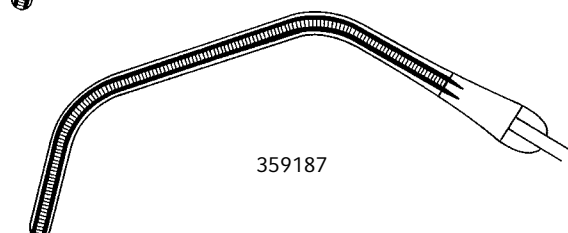
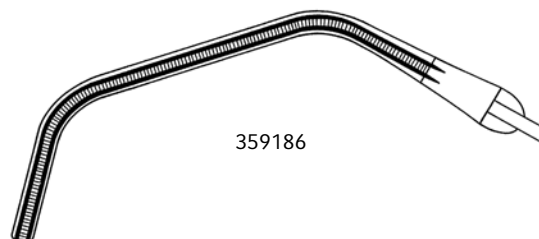
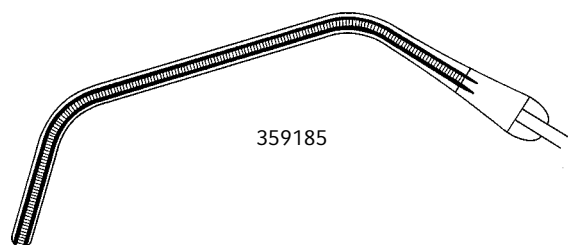
Vascular Clamps



DEBAKEY 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)



TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Vascular Clamps

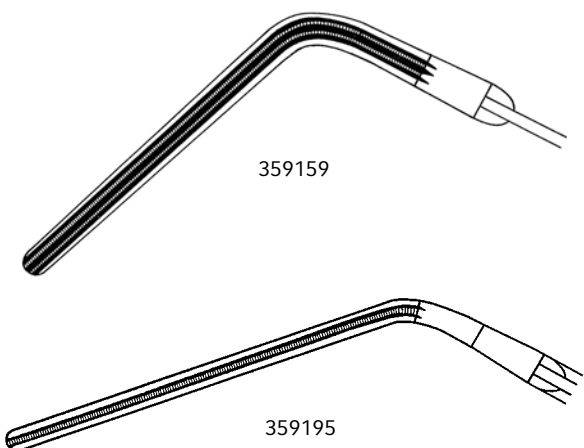


DEBAKEY TITANIUM VASCULAR CLAMPS

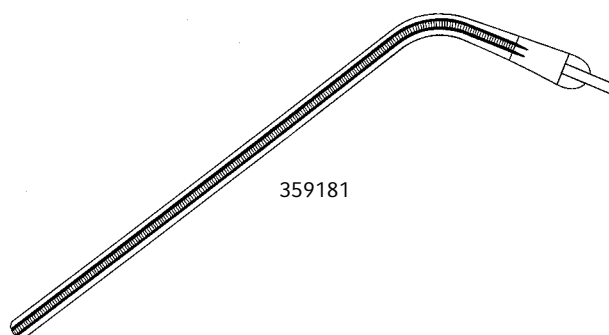


359159

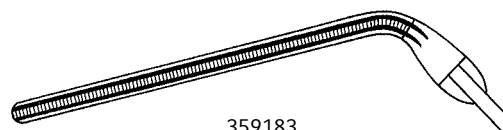
CATALOG #	DESCRIPTION
359159	70 degree angled jaw, 10-1/4" (26 cm)
359195	45 degree angled jaw, 10-1/2" (26.5 cm)
359181	60 degree angled jaw, 11-3/4" (30 cm)
359183	60 degree angled jaw, 9-3/8" (23.5 cm)
359184	60 degree angled jaw, 8-1/2" (21.5 cm)



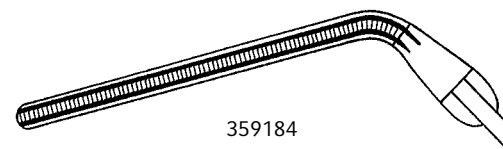
359159



359181

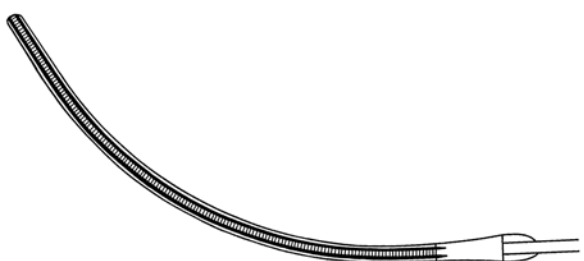


359183



359184

DEBAKEY TITANIUM VASCULAR CLAMPS



359173

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

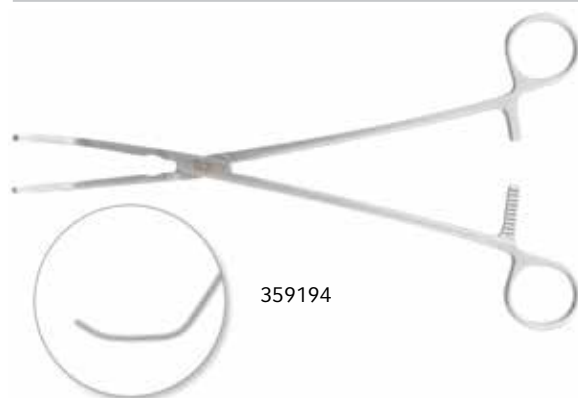


TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

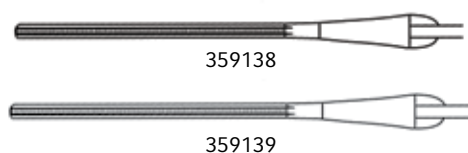
Vascular Clamps

GLOVER TITANIUM AURICULAR CLAMP



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

GLOVER TITANIUM COARCTATION VASCULAR CLAMPS



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

HEISS TITANIUM CLAMPING FORCEPS



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

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Vascular Clamps

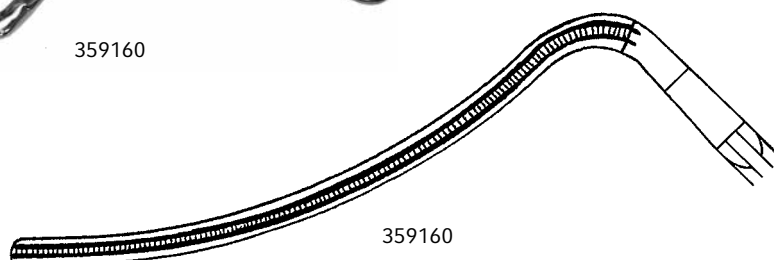


HUFNAGEL TITANIUM VASCULAR CLAMP

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



359160



359160

KAY TITANIUM VASCULAR CLAMP

CATALOG #	DESCRIPTION
359152	Curved DeBaKey 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 Jaws, 7-1/2" (19 cm)
359170	15 degree angled DeBakey Jaws, 7-7/8" (20 cm)
359171	Straight, DeBakey Jaw, 8-1/4" (21 cm)

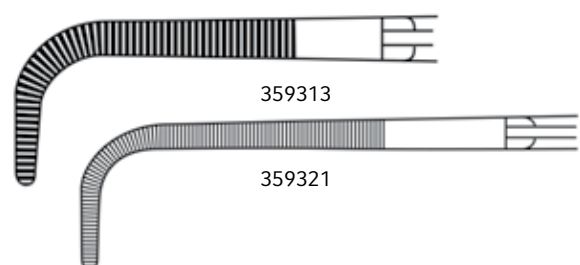


359169



359171

O'SHAUGHNESSY TITANIUM CLAMPING FORCEPS



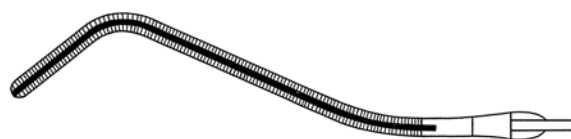
CATALOG #	DESCRIPTION
359313	Strong curve, serrated jaw, 8-1/4" (21 cm)
359321	Strong curve, serrated jaw, 9-5/8" (24.5 cm)

TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Vascular Clamps



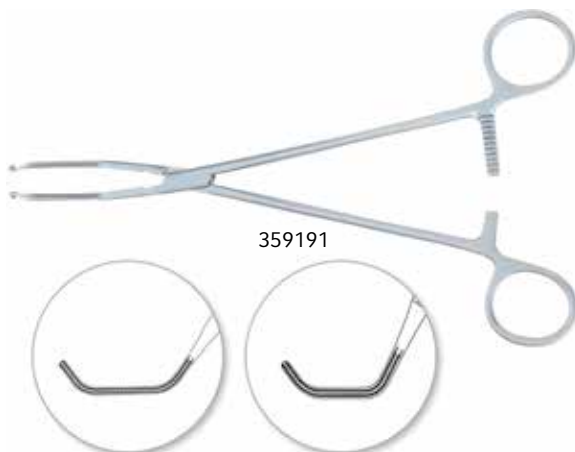
RENAL ARTERY TITANIUM VASCULAR CLAMP



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



TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Bulldog Clamps

DEBAKEY TITANIUM BULLDOG CLAMPS



359124

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)



359127



359131

TITANIUM INSTRUMENTS

SCISSORS

Micro Scissors



MICRO TITANIUM SCISSORS



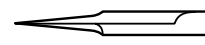
359006

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

With round handle.



359262

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



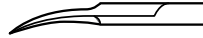
359261



359262



359263



359264



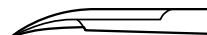
359265



359266



359267



359268



359269



359270



359271



359272



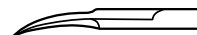
359273



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



359401

Straight, round handle with lock. Diamo-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

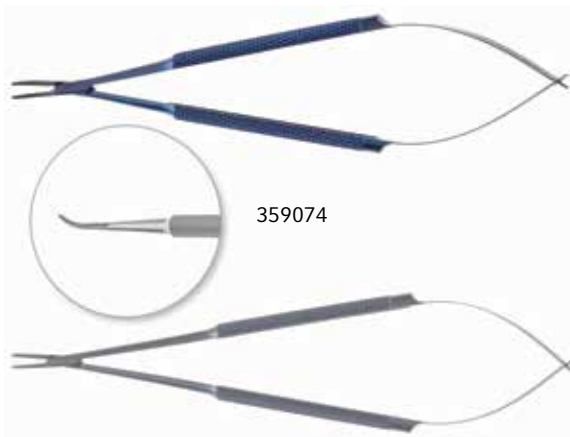


359343

Round handle with lock. Diamo-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



359074

359075

Round handle, Diamo-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

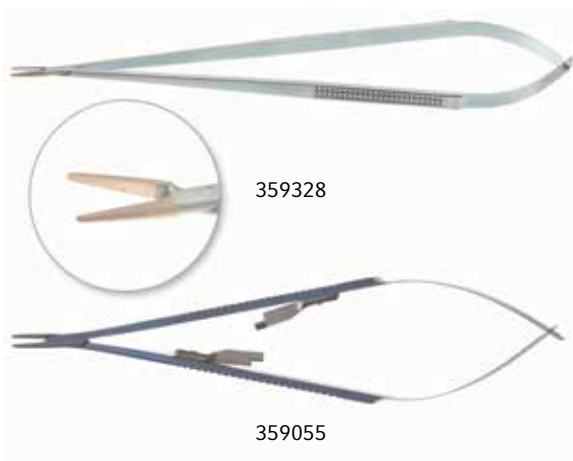


Straight, round handle, serrated jaws.

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

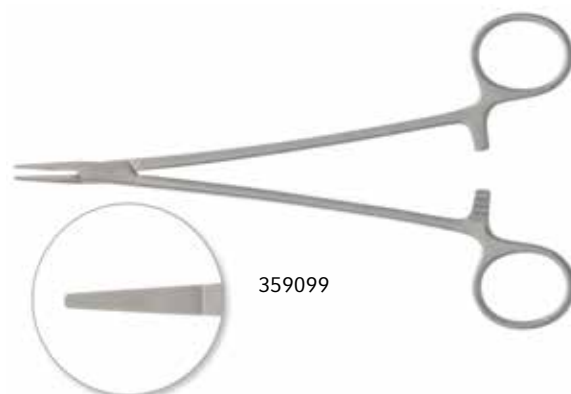


DEBAKEY TITANIUM NEEDLE HOLDER



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

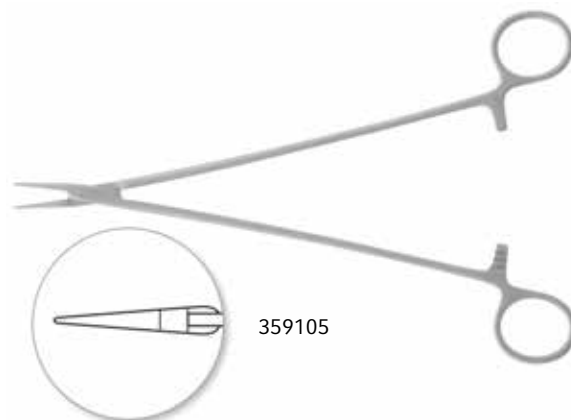
DEBAKEY TITANIUM RING HANDLE NEEDLE HOLDERS



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 TITANIUM RING HANDLE NEEDLE HOLDERS



Diamo-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)

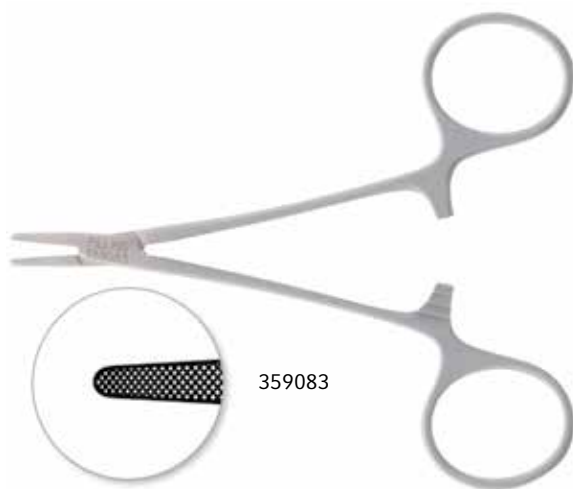
TITANIUM INSTRUMENTS

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



359113P

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

INTRACARDIAC TITANIUM RING HANDLE NEEDLE HOLDERS

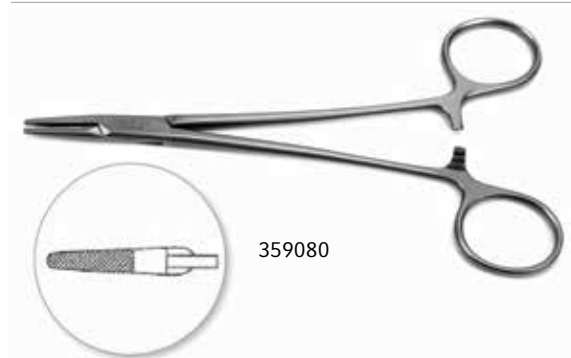


359112

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



359080

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

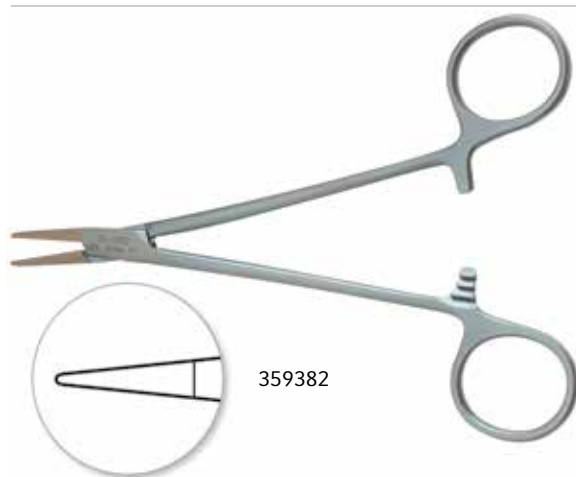
TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Ring Handle Needle Holders



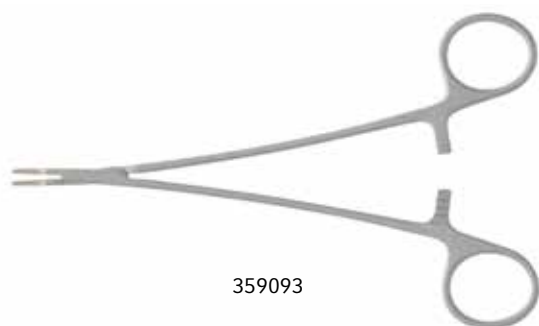
MICROVASCULAR TITANIUM RING HANDLE NEEDLE HOLDERS



Diam-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)

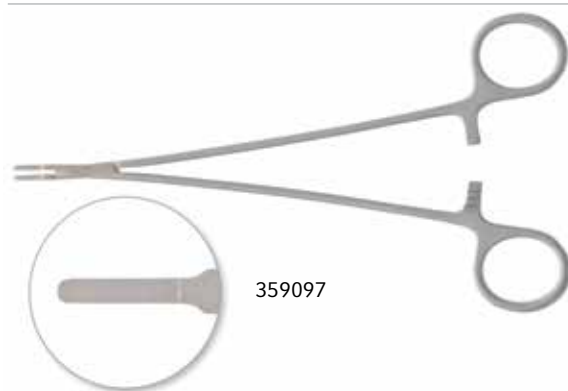
RYDER TITANIUM RING HANDLE NEEDLE HOLDERS



Diam-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



359383

CATALOG #	DESCRIPTION
359383	Arm length 52 mm

PEDIATRIC TITANIUM STERNAL SPREADER



359353

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)

RUSKIN RONGEUR



341836

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



RIB INSTRUMENTS

Rongeurs

STILLE-LUER DUCKBILL RONGEUR



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

SAUERBRUCH RONGEURS



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

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

URSHEL FIRST RIB RONGEUR



A specially designed, long, extra-heavy, pituitary-type rongeur to achieve complete removal of the neck and head of the first rib.

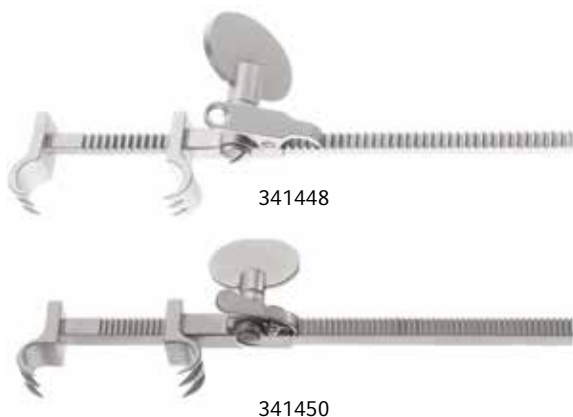
CATALOG #	DESCRIPTION
342141	5 x 12 mm jaw, working length 9" (23 cm)

RIB INSTRUMENTS

Approximators



BAILEY RIB APPROXIMATOR RETRACTORS



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

CATALOG #	DESCRIPTION
341448	Small size
341450	Regular, adult size

BAILEY-GIBBON RIB APPROXIMATOR RETRACTOR



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. Dull, non-glare finish, stainless steel.

Raspatories and Periosteal Elevators

ALEXANDER PERIOSTEOTOME



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

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 designed 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 adds greatly to the procedure by avoiding 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)

LEBSCHKE 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)

CVT RETRACTORS

Epicardial



PARSONNET EPICARDIAL RETRACTOR



342025

Designed to retract 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

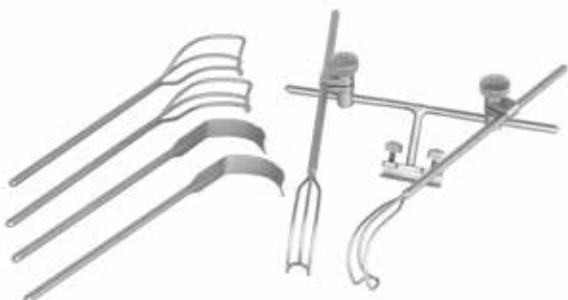
IMA



CHAUX STERNAL IMA-MITRAL VALVE RETRACTOR



341155



341501



341520



341522



341523



341524



341525

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 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 Valve Retractor Set #1 Set #1 fits Cooley and Chaux Sternal Retrac-
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 Valve Retractor (341501) and Valve Sternal Blade Assembly (341149) (Part of 341155)

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



CVT RETRACTORS

IMA

COUËTIL IMA STERNAL RETRACTOR

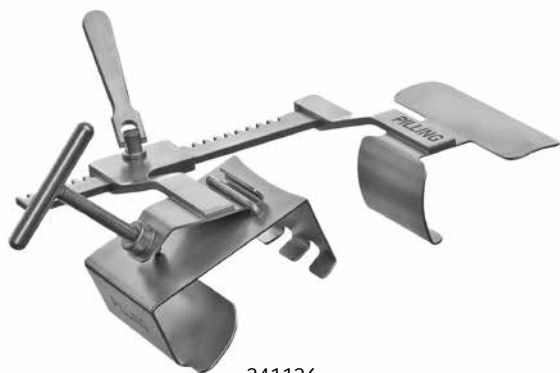


341139

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

CATALOG #	DESCRIPTION
341139	Ratcheted blades slide freely on retractor arm

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

Designed for sternal retraction during internal mammary artery dissection. Rake retractors have screw-type handles for easier adjustment and blunt tips to 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



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 Acheron-made Favalloro-type cross bars and uprights (included with the Strong Retractor)

CHEANVECHAI-FAVALORO SWIVEL RAKE ASSEMBLY



341133

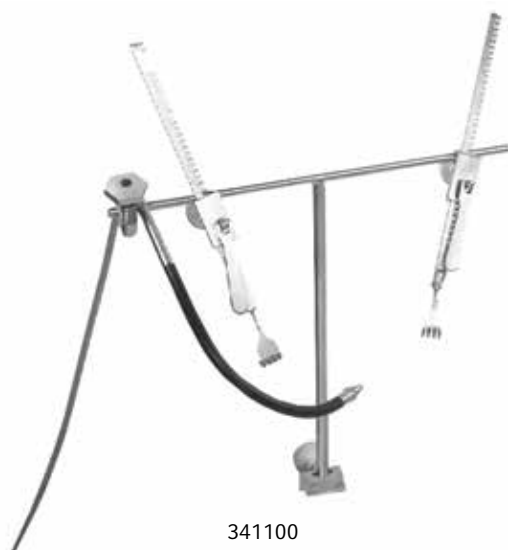
CATALOG #	DESCRIPTION
341133	Same as 341131 except rakes swivel

CVT RETRACTORS

IMA



STRONG T-BAR RETRACTOR SYSTEM



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

CATALOG #	DESCRIPTION
341100	Retractor System

STRONG T-BAR UNILATERAL SYSTEM COMPONENTS



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



341114



CVT RETRACTORS

Sternal Retractors/Rib Spreaders

PREEMIE RETRACTOR



341312

The smallest 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

Specially designed infant sternal retractors to reduce post-operative sternal deformity by dispensing pressure over greater surface area. 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)



341304



341305



CVT RETRACTORS

Sternal Retractors/Rib Spreaders

DEBAKEY CHILD RETRACTOR



341317

Lightweight aluminum arms and blades are dull 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 eliminates 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)

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

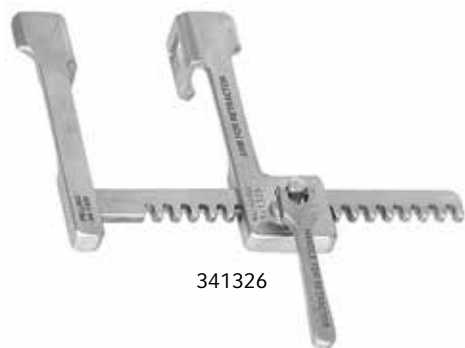
Sternal Retractors/Rib Spreaders



FINOCHIETTO RETRACTORS

The original model. Shafts curved to follow body contour. Dull, 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



341326



341328



341330



341332



CVT RETRACTORS

Sternal Retractors/Rib Spreaders



MORSE STERNAL RETRACTORS WITH DOUBLE BLADES

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)



341158



341160



341162



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

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)



341195

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



DEBAKEY CHEST RETRACTORS



341175



341177



341178

A group of three sizes, each supplied with 2 sets of curved aluminum blades designed 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)



CVT RETRACTORS

Sternal Retractors/Rib Spreaders

KUYPER-MURPHY STERNAL RETRACTORS



341397

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)



341398



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 designed 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)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



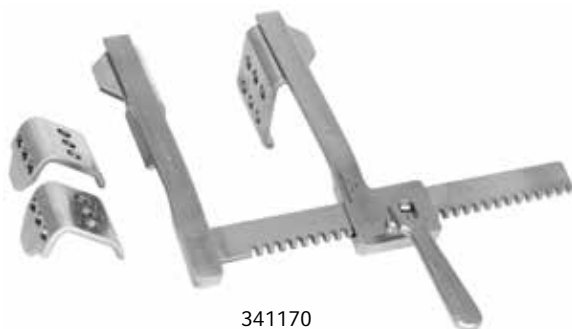
FARRELL RUBIO RETRACTOR



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



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

Designed to provide retraction on a broad segment of sternum, thus preventing 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 are designed to 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)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



TRANSPLANT DONOR STERNAL RETRACTORS



341387

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)



341389

HEITMILLER MINI THORACOTOMY RETRACTOR



341310

This retractor provides excellent 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 redo thoracotomies.

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

CVT RETRACTORS

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-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	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	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	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

CVT RETRACTORS

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	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



WOLVEK STERNAL APPROXIMATION AND FIXATION SYSTEM



342000

The Wolvek System with its unique suture locking device affords positive, secure sternal approximation and elimination of the problems associated with twisted wire.

Low Profile Stainless Steel Locking Plate:

- Eliminates need for twisting wire.
- More secure closure, at least twice the tensile strength of twisted wire.
- Greater patient comfort.
- Eliminates chance of wire breakage associated with twisting action.
- Less chance of skin perforation.

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, hasten healing and provide more patient comfort.

Complete P-W Approximator and Fixation System includes 1 Approximator, 1 Locking Plate Crimper, 1 Wire Cutter, Stainless Steel Storage and Case and 1 box 342006.



342002

342004



342006



142550

CATALOG #	DESCRIPTION
342000	Complete Wolvek Approximator and Fixation System Includes: 1 Approximator, 1 Locking Plate Crimper, 1 Wire Cutter, Stainless Steel Storage and Case and 1 box 342006 (Locking Plates).
342002	Sternal Approximator
342004	Locking Plate Crimper
342006	Locking Plates (suture not included) 8 plates per package (10 packages per box). Only the following sternal sutures and needles should be used with locking plates. Deknatel Product No. 29-7271M4 Ethicon Product No. M650 The suture wire supplied by these manufacturers is manufactured from type 316L stainless steel as are the locking plates. Suture wire of unknown origin or type may not be metallurgically compatible with the locking plates.
142550	Stainless Steel Wire Cutter, 6-7/8" (17.5 cm)
343030	Berry Sternal Needle Holder, 7-3/4" (19.5 cm), TC
342008	Stainless Steel Storage and Case for System, 15" x 10-1/2" x 2"

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



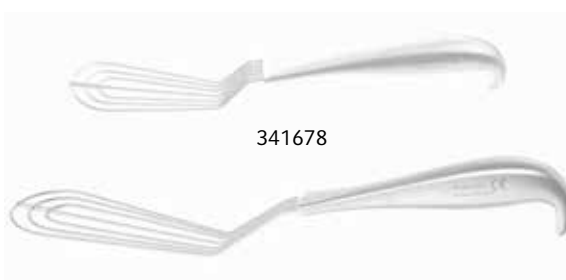
342040

Perforating blade is hook-shaped to bring suture material back through hole. Dull, 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



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

CUSHING NERVE AND VEIN RETRACTOR



Pattern, satin finish.

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

CUSHING NERVE AND VEIN RETRACTORS



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)

CVT RETRACTORS

Hand-Held



ROOS BRACHIAL PLEXUS ROOT RETRACTOR



341992

Designed to 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

Designed 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



MULTIPURPOSE RETRACTORS



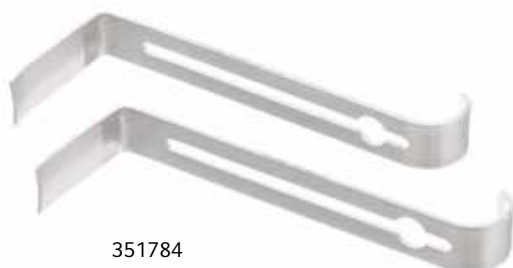
351666
351667
351668



351669
351670
351671



351675



351784

A versatile, self-retaining Henly-type retractor designed for use in the following surgical specialties: peripheral vascular surgery in the carotid, subclavian, femoral, popliteal and tibial regions. Spinal surgery in the cervical and lumbar regions. Orthopedic surgery in shoulder and hip procedures. 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	Multipurpose Retractor, complete with: <ul style="list-style-type: none"> • 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

CVT RETRACTORS

Henly-Type Retractors



IMPROVED HENLY RETRACTORS



351679

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



351680

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

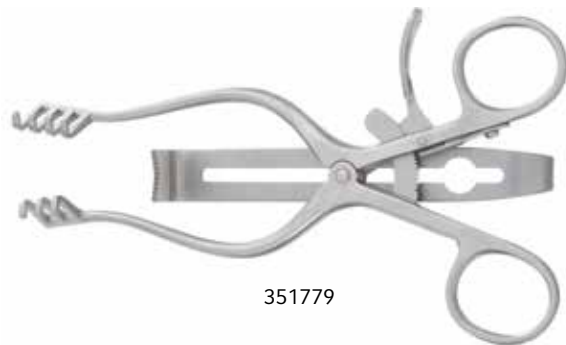
MAINI RICHARDSON DOUBLE-ENDED CENTER BLADE FOR HENLY RETRACTOR



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.

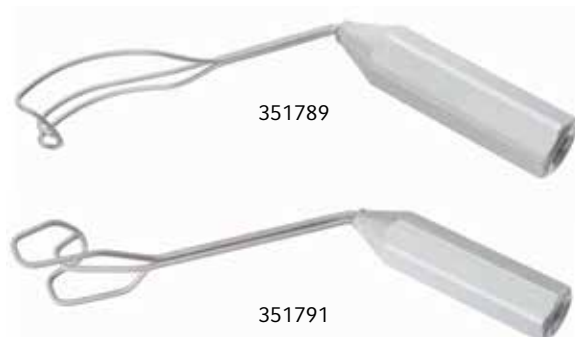
CATALOG #	DESCRIPTION
351779	4 x 3 prongs, center blades: 5/8" wide x 3/4" deep (1.5 x 2 cm), 5/8" wide x 1" deep (1.5 x 2.5 cm), 5/8" wide x 1-1/4" deep (1.5 x 3 cm), overall length 6-3/8" (16 cm)



VALVE INSTRUMENTS

Valve Retractors

COOLEY MITRAL VALVE RETRACTORS



Designed 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



DESMARRES VALVE RETRACTORS



351769

Lightweight blades of various sizes constructed of Beryllium Copper. Shafts are semi-malleable. Length 7-1/4" (18.5 cm).

CATALOG #	DESCRIPTION
351767	Width 4 mm
351768	Width 6 mm
351769	Width 8 mm
351770	Width 10 mm
351771	Width 12 mm
351772	Width 15 mm

MORSE VALVE RETRACTOR



351780

Cushing-shaped blades 12 mm deep.

CATALOG #	DESCRIPTION
351780	Blade 1-5/8" (42 mm) wide, 8-1/2" (21.5 cm)

REVUELTA GARCIA VALVE LEAFLET RETRACTOR



351747

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

VALVE INSTRUMENTS

Valve Retractors



LEMOLE- VALVE RETRACTOR



341506



341511



341512



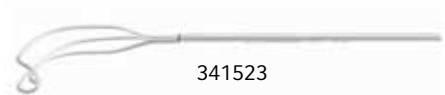
341513



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.

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

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

Designed 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 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 specially made for use on heart valves. The "spreader" is a fenestrated retractor designed to allow 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)

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 the Gabbay-Frater Suture Guides (pg. 1158), 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 and may be steam autoclaved.

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



VALVE INSTRUMENTS

Aortic Valve Rongeurs

BAILEY AORTIC VALVE RONGEURS



These instruments were designed for the removal of calcified material from the stenotic aortic valve. They have also proven useful 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).

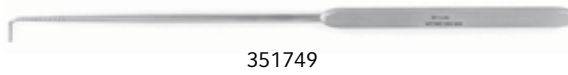
CATALOG #	DESCRIPTION
352800	Straight biting
352802	Slight downward angle (25 degrees)
352804	Acute downward angle (70 degrees)
352806	Right downward angle (90 degrees)
352808	Angled to left side (45 degrees)
352810	Angled to right side (45 degrees)

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 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)

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



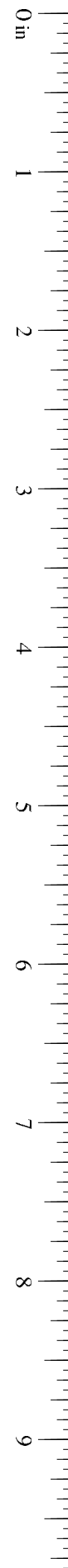
AORTIC PUNCHES

Reusable Punches

WYLIE CALCIFIED ARTERIAL PUNCH



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



HEPARIN CANNULAE



HEPARIN CANNULA WITH LUER-LOK

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)





SUCTION TUBES

ANDREWS INFANT SUCTION TUBE



6 mm diameter tip, permanently attached.

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

ANDREWS PYNCHON SUCTION TUBE



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

MORSE-ANDREWS SUCTION TUBE



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



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)

SUCTION TUBES



DEBAKEY SUCTION TUBES



Small diameter, curved tubes with finger valve control.

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

DEBAKEY-ADSON CORONARY SUCTION TUBES



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



For attachment of catheters to Luer Tip Syringes.

CATALOG #	DESCRIPTION
507335	Large lumen



SUCTION TUBES

LUER-LOK CATHETER ADAPTER

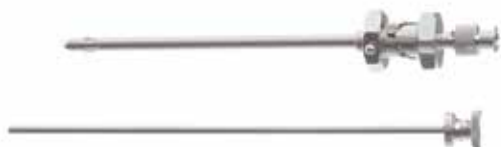


507336

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)

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 conventional instruments presently available.

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 Design



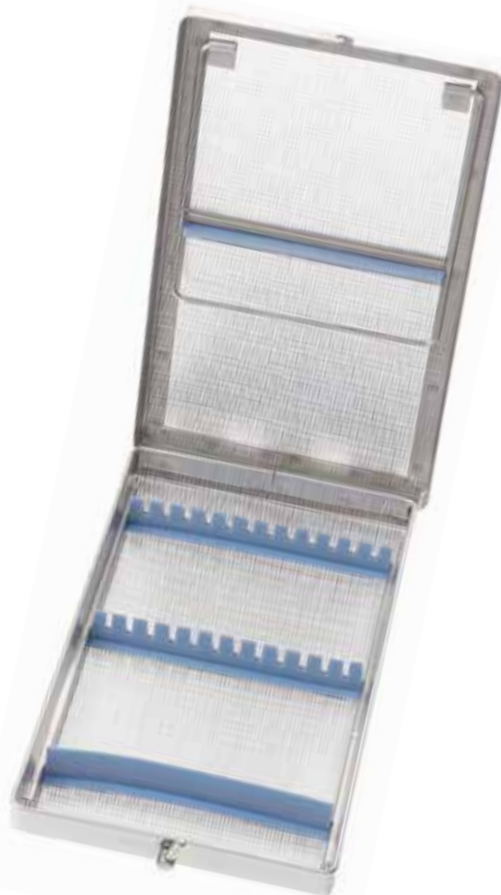
DEBAKEY VASCULAR DILATORS



355287

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



355286



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

VALVULOTOMES

Antegrade Cut



VALVULOTOME ANTEGRADE CUT

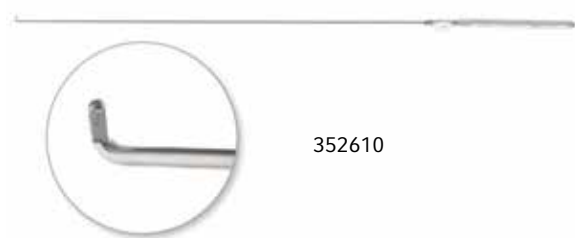


352605

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)



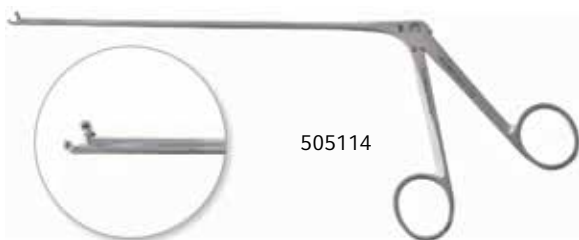
ACHERON



MEDIASTINOSCOPY

Instrumentation

JACKSON CUP FORCEPS - EXTRA LIGHTWEIGHT



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.

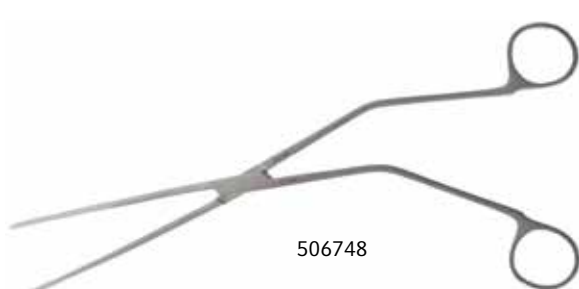
CATALOG #	DESCRIPTION
505110	Straight, 2 mm diameter jaw, working length 20 cm
505112	Straight, 2 mm diameter jaw, working length 28 cm
505114	Angled, 2 mm diameter jaw, working length 20 cm
505116	Angled, 2 mm diameter jaw, working length 28 cm

PATTERSON ELONGATED CUP BITING FORCEPS



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

MEDIASTINAL BLUNT-TIPPED DISSECTING FORCEPS



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

MEDIASTINOSCOPY

Instrumentation



NORRIS SPONGE HOLDING FORCEPS



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



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.

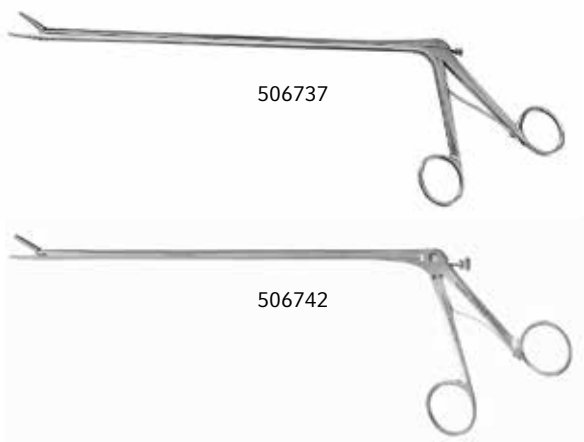
CATALOG #	DESCRIPTION
502248	Overall width, 9" (23 cm)

MEDIASTINOSCOPY

Clips and Appliers



ALLIGATOR APPLYING FORCEPS AND LIGATING CLIPS



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

VIDEO-ASSISTED THORACOSCOPY

Retractors



HEITMILLER MINI THORACOTOMY RETRACTOR

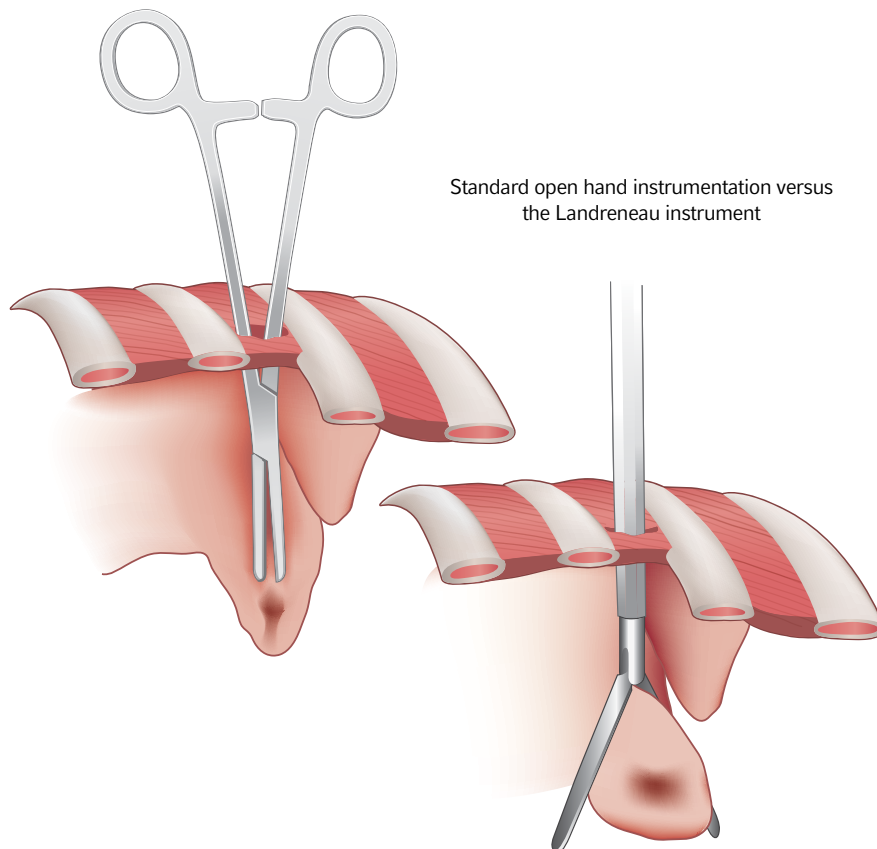


341310

CATALOG #	DESCRIPTION
341310	This retractor provides excellent 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

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

Production Unit: Industrial Estate Shahab Pura, Ugoki Road, Near Saga Chowk Sialkot, Pakistan.

Head Office: Building # 349 Block A, Jubilee Town Canal Road Lahore, Pakistan. ☎ +92 333 430 1417, +92 307 430 9880

URL: www.acheron-instruments.com ✉ info@acheron-instruments.com, instruments.acheron@gmail.com

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design



STRAIGHT MASHER GRASPING FORCEPS



211118A

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

STRAIGHT DEBAKEY GRASPING FORCEPS



211603A

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



211245A

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



211290A

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



211325A

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



215558A

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





SHORT JAW RING FORCEPS

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

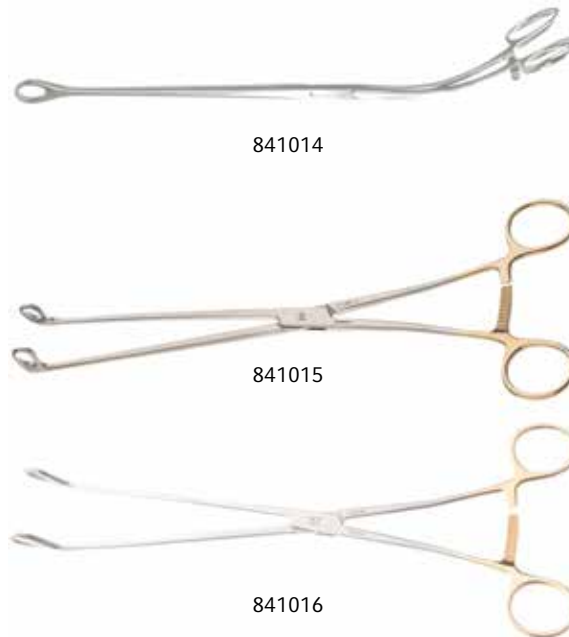
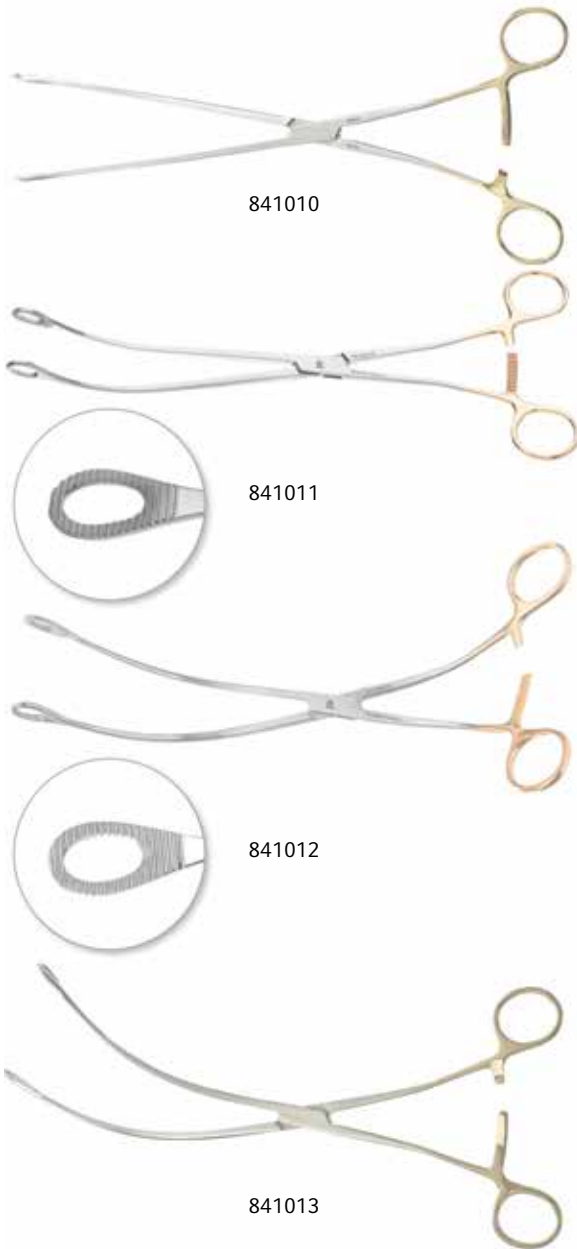
CATALOG #	DESCRIPTION
841030	Straight (1S), 12-5/8" (32 cm)
841031	Curved (2S), 12-1/8" (31 cm)
841032	C-shaped (4S), 10-7/8" (28 cm)
841033	Curved on side (3S), 12" (30.5 cm)
841034	Curved handle, 11-7/8" (30 cm)



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)





THORACOSCOPIC FORCEPS



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



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)



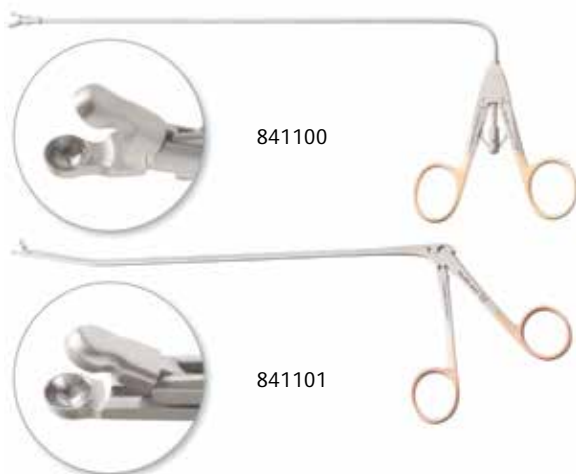
DEBAKEY-TYPE ALLIS RING FORCEPS

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



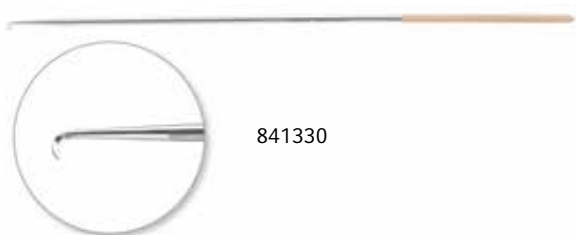


BIOPSY FORCEPS



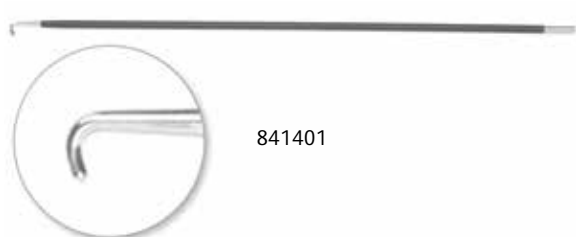
CATALOG #	DESCRIPTION
841100	Malleable, 4 mm cup, 12-5/8" (32 cm)
841101	Rigid, slightly curved, 4 mm cup, 11" (28 cm)

ANGLE SICKLE KNIFE



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

BLUNT HOOK



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



SPATULA



14" (35.5 cm).

841300



841300

841301

CATALOG #	DESCRIPTION
841300	Slight curve
841301	Acute curve
841302	Straight

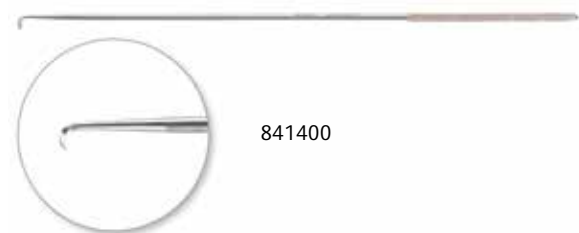
ANDREWS SUCTION



841351

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

HOOK



841400

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



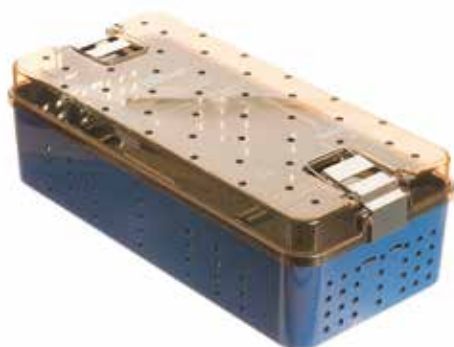
SUCTION WITH THUMB VALVE



841350

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

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

Very 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

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 designed 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

Obturator

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 designed 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 precurving the shaft allows the catheter to be steered into either vena cava.

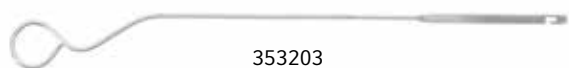
CATALOG #	DESCRIPTION
351316	26 Fr., 17-7/8" (45.5 cm)
351318	30 Fr., 16-1/8" (41 cm)



MISCELLANEOUS CVT

Tourniquet Stylets

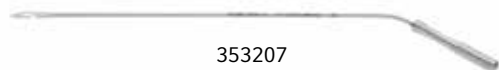
REPLACEMENT STYLET FOR RUMEL TOURNIQUET



353203

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

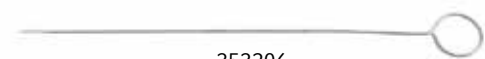
STYLET FOR RUMEL TOURNIQUET, CHILD SIZE



353207

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

STYLET FOR RUMEL TOURNIQUET



353206

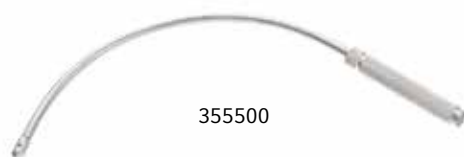
CATALOG #	DESCRIPTION
353206	2 mm-wide tip, working length 8-1/4" (21 cm), overall length 9-3/8" (24 cm)

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 allow:

- Simplified surgical procedure with better surgical control.
- Reduced likelihood of "kinking".
- Less patient trauma.

Diamond knurled handle for ease of control. Suture hole in bullet tip allows secure 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 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)

SPECIALTY SETS

Micro Vascular Set



MICRO VASCULAR SET OF 11 INSTRUMENTS



357651



357652



357653



357654



357655



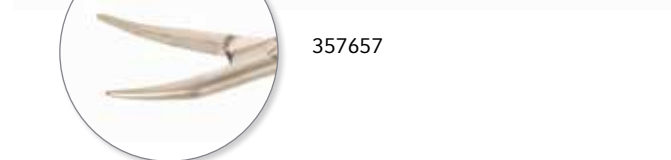
357656



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

Micro Vascular Set



MICRO VASCULAR SET OF 11 INSTRUMENTS



357659



357660



357661



357650



429594



CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

SPECIALTY SETS

Vascular Access Set



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. Vascular Access Set complete with stainless steel storage case

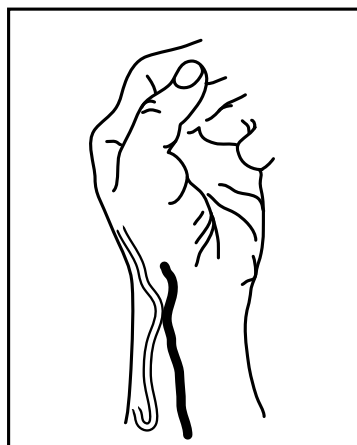
341010 Stainless steel case for Vascular Access Set

SPECIALTY SETS

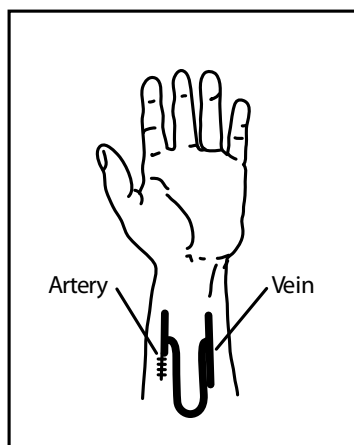
Vascular Access Set



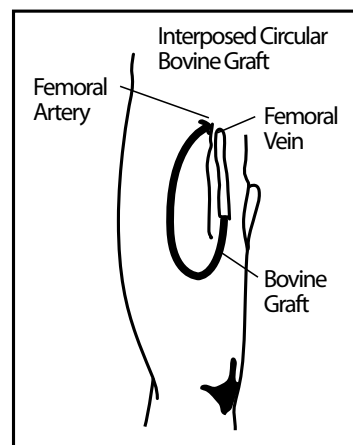
Vascular Access Sets suited for:



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.

SPECIALTY SETS

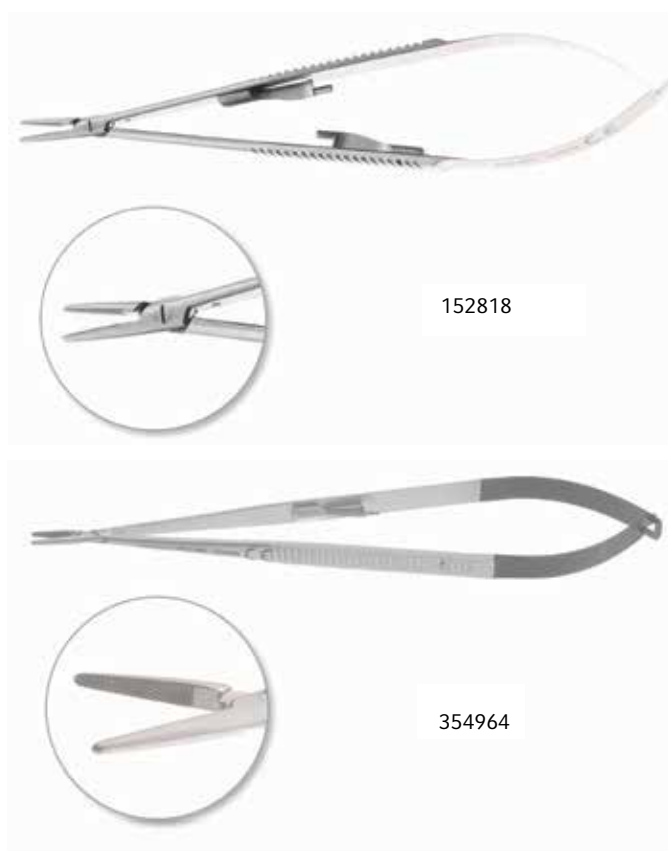
Vascular Access Set



VASCULAR ACCESS SET



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



SPECIALTY SETS

Vascular Access Set



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 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 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)

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HELP YOU MAKE THE RIGHT CHOICES



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BY KEEPING THE QUALITY*