

SURGICAL INSTRUMENTS CATALOG

German Engineering. American Design. World-Class Quality.



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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, Teleflex® specially treats (passivates) its instruments to make the surface less chemically active with its environment. All Weck® 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: Wec-Kleen®, Weck® Liquid Detergent, Weck Instrument Cleaner or Wec-Wash® 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 using a product such as Weck-Lube® or Wec-Kreem® 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 AORN guidelines for proper sterilization techniques.

MAINTENANCE

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

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

POLICIES AND PROCEDURES

REFURBISHING/REPAIR SERVICE

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

We accept all brands and types of surgical instruments in need of refurbishment or repair. To expedite your repair, include hospital name and address, department to return, and a contact name and phone number. Any surgical instrument which needs refurbishing or repair, regardless of manufacturer, should be forwarded to:

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

TERMS AND CONDITIONS

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

All orders are subject to approval and acceptance by Teleflex®.

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

PARTIAL SHIPMENTS AND SPECIAL ORDERS

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

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

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

RETURN GOODS POLICY

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

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

Returned goods must be shipped prepaid to:

Teleflex®
11425 N. Distribution Cove
Olive Branch, MS 38654

The goods should also be accompanied by a copy of the invoice or packing list and a return goods authorization number. All returns are subject to the Teleflex® instrument's inspection and acceptance.

There will be a \$5.00 per instrument charge for removal of etching applied at the customer's request. The following items are non-returnable, other than for a manufacturing defect:

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

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
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

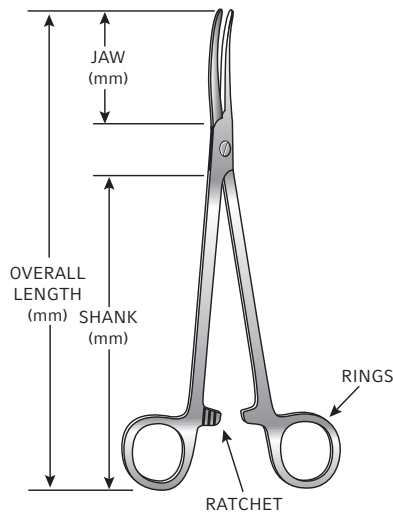
DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
1/3		1	
1/2	1		
2/3		2	
1	2	3	
1-1/3		4	
1-1/2	3		
1-2/3		5	
2	4	6	
2-1/3		7	1
2-1/2	5		
2-2/3		8	2
3	6	9	3
3-1/3		10	
3-1/2	7		
3-2/3		11	4
4	8	12	5
4-1/3		13	
4-1/2	9		
4-2/3		14	
5	10	15	6
5-1/3		16	7
5-1/2	11		
5-2/3		17	8
6	12	18	9
6-1/3		19	10
6-1/2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

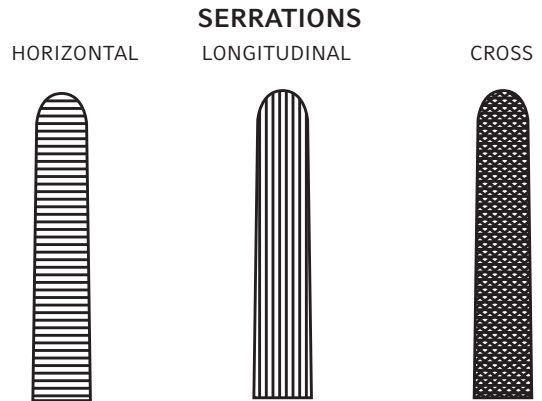


MEASURING GUIDELINES AND COMMON JAW PATTERNS OF SURGICAL INSTRUMENTS

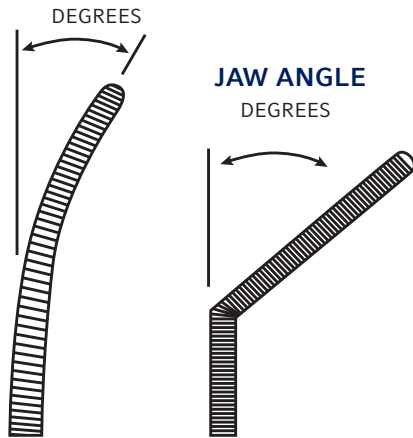
High quality, handcrafted instrument measurements will vary slightly. Instruments in this catalog are stainless steel unless otherwise noted.



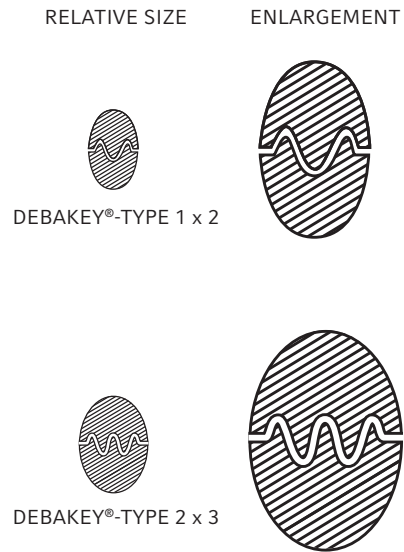
COMMON JAW SURFACES FOUND ON HEMOSTATS AND CLAMPS



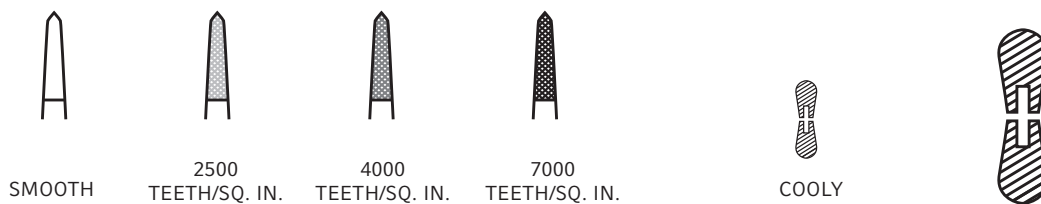
JAW CURVATURE



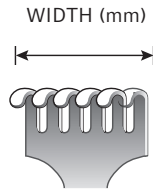
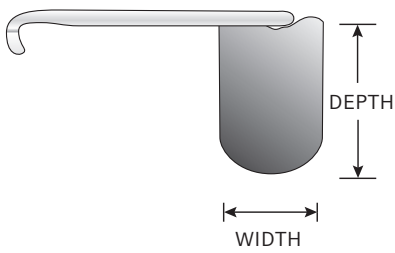
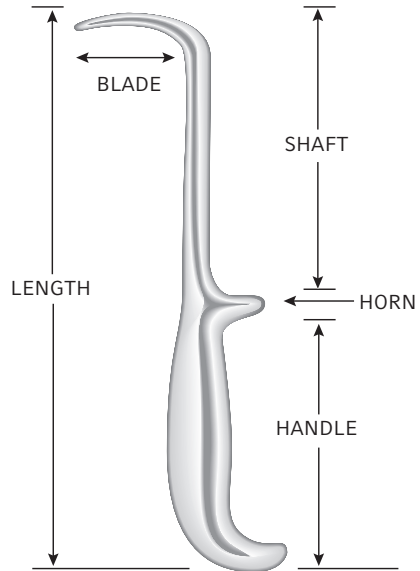
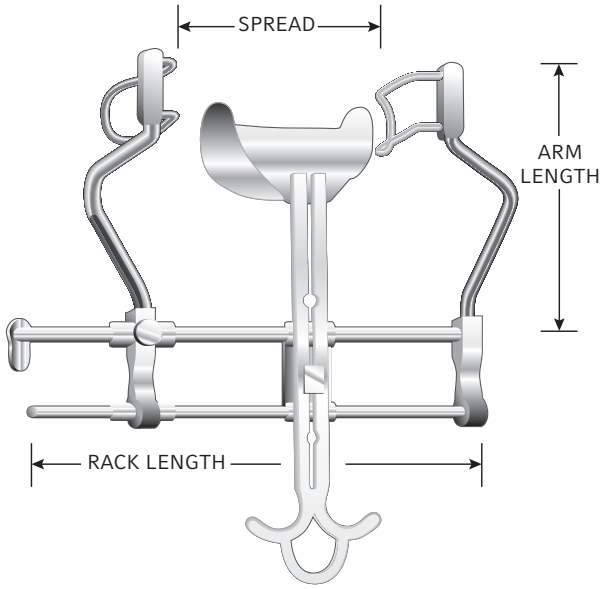
JAW CROSS SECTIONS



COMMON SURFACES FOUND ON NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS

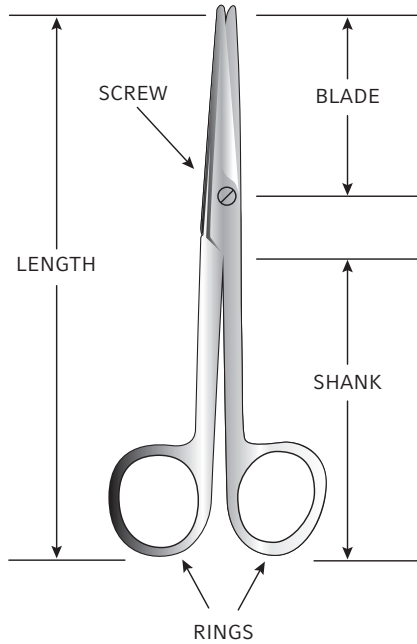
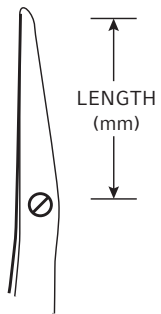


FROM INNER SURFACE OF SIDE BLADES



RING HANDLE

BLADE LENGTH



BLADE CURVATURE

DEGREES





WECK® LIGATION SOLUTIONS

Metal and polymer products to help you ligate with security and confidence

From humble beginnings in Edward Weck's Manhattan storefront in 1884, Weck® Branded products have been there for surgeons — step-by-step — since the earliest days of modern surgery.

In 1963, Weck® redefined the closure market with the introduction of the Hemoclip® Traditional Metal Ligating Clip. Over the last fifty years, the Weck® Brand has continued to refine the science of closure to produce a line of metal and polymer ligation solutions demanded by surgeons around the world.

Whether you prefer the classic feel of metal clips, or the modern flexibility of polymer, Teleflex® offers ligation products designed to suit your distinct preferences and procedural needs:

- **Hem-o-lok® Polymer Locking Ligation System** – provides cool ligation, lasting security, and the ability to place and remove clips as needed. Hem-o-lok® Clips are ideal for both open and laparoscopic cases.
- **Horizon™ and Hemoclip® Metal Ligation Systems** – satisfy your need for traditional metal ligating clips for use in cardiovascular and general surgical applications. Available in a range of sizes, surgeons have relied on Weck® Metal Clips for generations.



WECK® LIGATION SOLUTIONS

Weck® Hem-o-lok® Polymer Locking Ligation System

CONFIDENCE YOU CAN FEEL

Confidence. That's what the Weck® Hem-o-lok® Polymer Locking Ligation System provides. Confidence created by a ligation system designed for clip security — secure in the applier, locked onto the patient vessel.

SECURITY BY DESIGN

The Hem-o-lok® Closure System's unique design and flexible hinge keep the clip firmly seated in applier jaws. The clip's distinct tactile feedback confirms jaw seating and secure vessel placement.

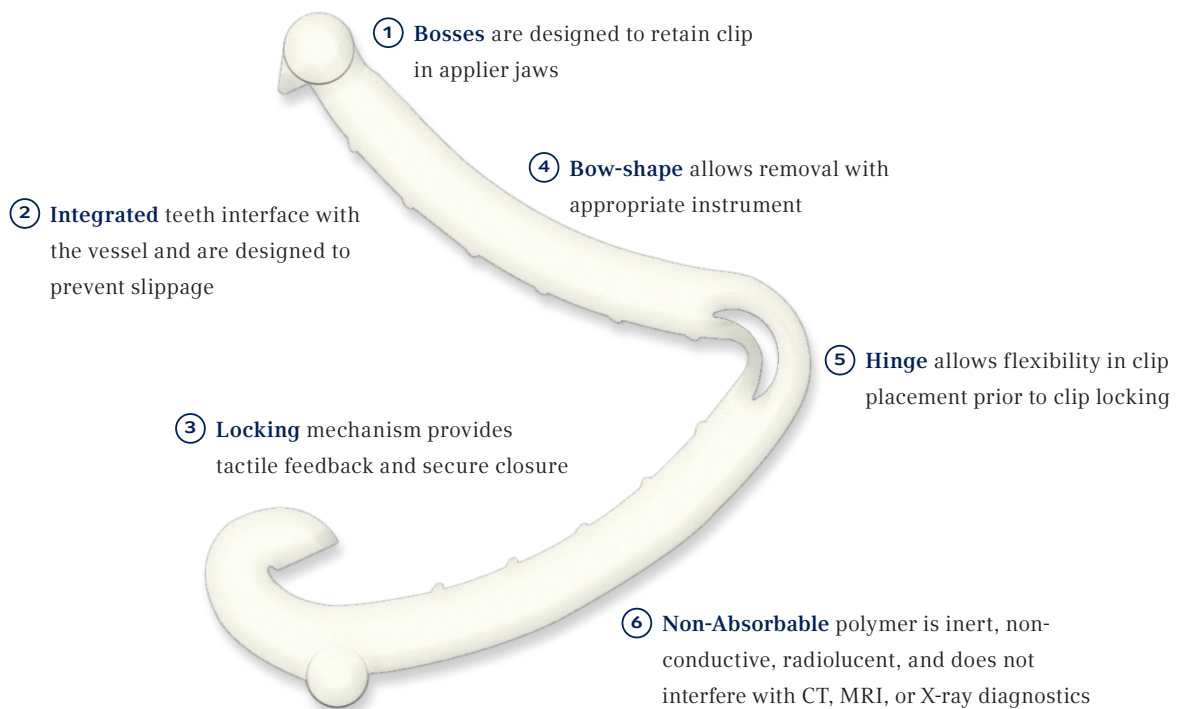
COOL LIGATION

Since Hem-o-lok® is a Cool Ligation System, there's no chance of thermal spread to vital structures, a common concern of many surgeons when using energy-based ligation solutions.

SIZE RANGES TO MEET YOUR NEEDS

The Hem-o-lok® System is available in a range of clip sizes: Medium, Medium-Large, Large and Extra-Large. The Hem-o-lok® System allows for ligation of 10 mm vessels through a 5 mm port or 16 mm vessels through a 10 mm port. Our broad range of applier lengths (including 45 cm endoscopic appliers for extended reach) allows surgeons to deliver clips with control and confidence.

HEM-O-LOK® BEHIND THE CLIP



WECK® LIGATION SOLUTIONS

Weck® Hem-o-lok® Polymer Locking Ligation System

MANUAL LOAD APPLIERS

HEM-O-LOK® OPEN APPLIERS

- Open applicators available in Medium, Medium-Large, Large, Extra-Large
- Available in 8" and 11" lengths and curved or right-angle jaws
- Opens at box-lock for easy, thorough cleaning



544180



544179



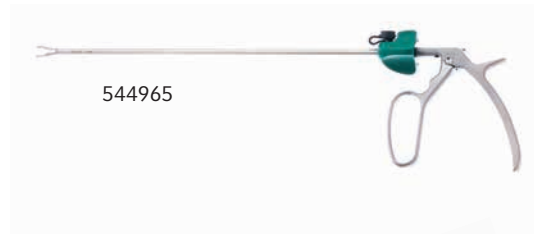
544240

HEM-O-LOK® ENDOSCOPIC APPLIERS

- Endo applicators available in Medium-Large, Large, Extra-Large
- Medium-Large applicators available on a 5 mm platform
- Available with 32 cm or extended-length 45 cm shafts
- One-piece and take-apart designs



544995T



544965

AUTOMATIC APPLIER

AUTO ENDO5® APPLIER

- 5 mm automatic closure system with 15 Medium-Large clips
- Medium-Large clips designed for 3-10 mm size vessels
- Clip designed for security – locks on to patient vessel



543965

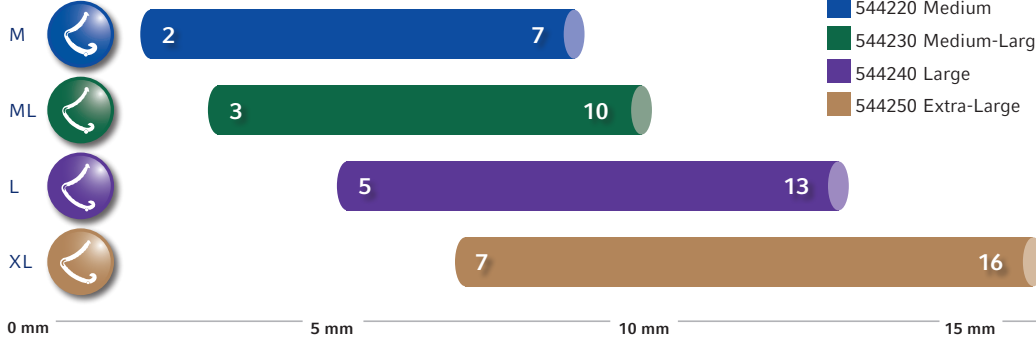
*Hem-o-lok® Ligating Clips are not intended for use as a fallopian contraceptive tubal occlusion device.
Hem-o-lok® Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.*



WECK® LIGATION SOLUTIONS

Weck® Hem-o-lok® Polymer Locking Ligation System

VESSEL/TISSUE BUNDLE SIZE RANGE



HEM-O-LOK® POLYMER LIGATING CLIPS

- 544220 Medium
- 544230 Medium-Large
- 544240 Large
- 544250 Extra-Large




WECK® LIGATION SOLUTIONS

Weck® Hem-o-lok® Polymer Locking Ligation System

ORDERING INFORMATION

WECK HEM-O-LOK® POLYMER LOCKING LIGATION SYSTEM

CLIPS	OPEN MANUAL LOAD APPLIERS/REMOVERS	ENDOSCOPIC MANUAL LOAD APPLIERS/REMOVERS	AUTOMATIC APPLIERS
 M 544220 Hem-o-lok® Medium Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544113 8" Curved 544114 11" Right-Angle (70°) 544115 11" Curved 544123 11" Remover (for M, ML, L)		
 ML 544230 Hem-o-lok® Medium-Large Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544170 8" Curved 544171 11" Curved 544172 11" Right-Angle (70°) 544123 11" Remover (for M, ML, L)	Endo5® Applier ML, 5 mm diameter 544965 32.5 cm applier 544965L 45 cm applier 544965T 34 cm applier, take-apart 544121 32 cm remover (for ML and L) 544121L 45 cm remover (for ML and L) 544121T 32 cm remover, take-apart (for ML and L)	543965 Auto Endo5® Applier 15 clips per applier, 3 appliers per box, sterile, disposable for endo surgery
 L 544240 Hem-o-lok® Large Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544179 11" Right-Angle (70°) 544180 8" Curved 544181 11" Curved 544182 10" Right-Angle (70°), narrow shaft 544123 11" Remover (for M, ML, L) 544124 11" Remover (for L, XL)	Endo10™ Applier L 544995 32 cm applier, 10 mm 544995L 45 cm applier, 10 mm 544995T 34 cm applier, 10 mm, take-apart 544121 32 cm remover, 5 mm (for ML and L) 544121L 45 cm remover, 5 mm (for ML and L) 544121T 32 cm remover, 5 mm, take-apart (for ML and L) 544130 32 cm remover, 10 mm (for L and XL) 544130L 45 cm remover, 10 mm (for L and XL) 544130T 33 cm remover, 10 mm take-apart (for L and XL)	
 XL 544250 Hem-o-lok® Extra-Large Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544191 11" Curved 544192 11" Right-Angle (70°) 544124 11" Remover (for L, XL)	Endo10™ Applier XL, 10 mm diameter 544990 32 cm applier 544990L 45 cm applier 544990T 34 cm applier, take-apart 544130 32 cm remover (for L and XL) 544130L 45 cm remover (for L and XL) 544130T 33 cm remover, take-apart (for L and XL)	
STERILITY STORAGE TRAY		544500 capacity: 3 endoscopic 32 cm appliers P37319 capacity: 2-3 endoscopic 45 cm appliers	

Hem-o-lok® Ligating Clips are not intended for use as a fallopian contraceptive tubal occlusion device.

Hem-o-lok® Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.

WECK® LIGATION SOLUTIONS

Weck® Hem-o-lok® Polymer Locking Ligation System

The Horizon™ System is the Weck® Premium Titanium Ligation Platform providing surgeons a strong, secure clip coupled with an efficient, convenient easy-load cartridge system.

THE HORIZON™ CLIP

The preformed chevron shape of the Horizon™ Clip engulfs tissue with precise tip-to-tip closure. Heart-shaped wire is designed to give each clip a firm grip on vessels, while the triangulated cross-section of the clip leg maximizes surface-to-surface contact between clip and jaw, practically eliminating clip fallout.

THE HORIZON™ CARTRIDGE

The design of the Horizon™ Cartridge creates a frictionless one-hand load. Horizon™ Cartridges are color-coded to match applicators and adhesive backing allows convenient placement of the cartridge to any sterile area.

Clip images represent approximate, not exact, sizes.



MICROCLIP™



SMALL



MEDIUM



MEDIUM-LARGE



LARGE



WECK® LIGATION SOLUTIONS

Weck® Hem-o-lok® Polymer Locking Ligation System

OPEN APPLIERS

- Available with curved (20°), angled (55°) or right-angled (70°) jaws
- Opens at box-lock for easy, thorough cleaning
- Available in a wide range of applier lengths, including 14"



ENDOSCOPIC APPLIERS

- Medium, Medium-Large and Large
- Extended length available (45 cm shaft)
- Large, lightweight rotation knob allows one-finger, 360° rotation of applier shaft
- Flush ports for thorough cleaning



CLIP OPTIONS

- The Horizon™ Clip Cartridge provides incredibly easy and precise loading that can enhance surgical procedure efficiency
- Both 6- and 24-clip cartridges are available



002200



002204

SPECIALTY APPLIER

- The Horizon™ 11" Multi-Angle Access Open Surgical Applier for small (wide slot) clip cartridges incorporates a 45° angled jaw (or curved jaw) for an optimal angle of access to the surgical target
- The Horizon™ Endosaphenous Vein Applier incorporates a 5 mm shaft diameter with a 7 mm angled jaw for ligation of vein branches



137117



238200

Weck® Ligating Clips are not intended for use as a contraceptive tubal occlusion device.

Weck® Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.

WECK® LIGATION SOLUTIONS

Weck® Horizon™ Metal Ligation System

ORDERING INFORMATION

WECK® HORIZON™ METAL LIGATION SYSTEM

□ Micro ■ Small ■ Small-Wide ■ Medium ■ Medium-Large ■ Large

TITANIUM LIGATING CLIPS

PRODUCT NUMBER	CLIP SIZE	CLIPS/CARTRIDGE	CARTRIDGES/BOX	CLIPS/BOX
005200	MicroClip™	6	30	180
001200	Small	6	30	180
001204	Small	24	25	600
001201	Small-Wide	6	30	180
001205	Small-Wide	24	25	600
002200	Medium	6	30	180
002204	Medium	24	25	600
003200	Medium-Large	6	20	120
003204	Medium-Large	24	15	360
004200	Large	6	20	120
004204	Large	24	15	360



WECK® LIGATION SOLUTIONS

Weck® Horizon™ Metal Ligation System

WECK® HORIZON™ METAL LIGATION SYSTEM

□ Micro ■ Small ■ Small-Wide ■ Medium ■ Medium-Large ■ Large

OPEN SURGICAL APPLIERS

PRODUCT #	APPLIER LENGTH	CLIP SIZE	JAW TYPE*
537061	6" (15 cm)	MicroClip™	Curved
537081	8" (20 cm)	MicroClip™	Curved
137061	6" (15 cm)	Small	Curved
137081	8" (20 cm)	Small	Curved
137085	8" (20 cm)	Small	Angled
137111	11" (28 cm)	Small	Curved
137062	6" (15 cm)	Small-Wide	Curved
137082	8" (20 cm)	Small-Wide	Curved
137086	8" (20 cm)	Small-Wide	Angled
137112	11" (28 cm)	Small-Wide	Curved
237061	6" (15 cm)	Medium	Curved
237081	8" (20 cm)	Medium	Curved
237085	8" (20 cm)	Medium	Angled
237111	11" (28 cm)	Medium	Curved
237115	11" (28 cm)	Medium	Angled
237117	11" (28 cm)	Medium	Right-Angled
237141	14" (35.5 cm)	Medium	Curved
237145	14" (35.5 cm)	Medium	Angled
337081	8" (20 cm)	Medium-Large	Curved
337085	8" (20 cm)	Medium-Large	Angled
337111	11" (28 cm)	Medium-Large	Curved
337115	11" (28 cm)	Medium-Large	Angled
337117	11" (28 cm)	Medium-Large	Right-Angled
337141	14" (35.5 cm)	Medium-Large	Curved
337145	14" (35.5 cm)	Medium-Large	Angled
437081	8" (20 cm)	Large	Curved
437085	8" (20 cm)	Large	Angled
437111	11" (28 cm)	Large	Curved
437115	11" (28 cm)	Large	Angled
437117	11" (28 cm)	Large	Right-Angled
437141	14" (35.5 cm)	Large	Curved
437145	14" (35.5 cm)	Large	Angled

ENDOSCOPIC LIGATING APPLIERS

PRODUCT #	APPLIER LENGTH	DIAMETER	CLIP SIZE	JAW TYPE
238110	12" (31 cm)	10 mm	Medium	Endoscopic
238170	18" (45 cm)	10 mm	Medium	Endoscopic
238200	13" (32 cm)	5 mm Shaft, 7 mm Jaw	Medium	Endosaphenous
338110	12" (21 cm)	10 mm	Medium-Large	Endoscopic
338170	18" (45 cm)	10 mm	Medium-Large	Endoscopic
438110	14" (36 cm)	12 mm	Large	Endoscopic
438170	18" (45 cm)	12 mm	Large	Endoscopic

ENDOSCOPIC LIGATING APPLIERS – TAKE-APART

PRODUCT #	APPLIER LENGTH	DIAMETER	CLIP SIZE	JAW TYPE
238110T	13" (32 cm)	10 mm	Medium	Endoscopic
338110T	13" (32 cm)	10 mm	Medium-Large	Endoscopic

SPECIALTY OPEN SURGICAL LIGATING APPLIERS

PRODUCT #	APPLIER LENGTH	CLIP SIZE	JAW TYPE
137117	11" (28 cm)	Small-Wide	45° Angled
137118	11" (28 cm)	Small-Wide	Curved

METAL CLIP REMOVERS (REMOVES ALL WECK METAL CLIPS)

PRODUCT #	APPLIER LENGTH	STYLE
523120	6.5" (16.5 cm)	Straight
523121	10.5" (26.7 cm)	Bent Shaft, 30° Angle

Weck® Ligating Clips are not intended for use as a contraceptive tubal occlusion device. Weck® Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.

**Curved 20°, Angled 55°, Right-Angle 70°*

WECK® LIGATION SOLUTIONS

Weck® Horizon™ Metal Ligation System

HEMOCLIP® TRADITIONAL

The Hemoclip® Traditional Metal Ligating Clips:

- Friction fit loading system
- Available in titanium, tantalum and stainless steel – the widest metal selection in the industry
- Cartridge base to assist loading

HEMOCLIP® PLUS

The Hemoclip® Plus System is an evolution of the classic metal Hemoclip® Hemoclip® Plus Metal Ligating Clips:

- Features an easy-load cartridge system
- Clip loads from the cartridge with minimal pressure
- Available with adhesive or non-adhesive clip cartridges

CLIP OPTIONS

- Chevron shaped clip for precise tip to tip closure
- Heart-shaped wire for tenacious grip on vessels
- Lateral transverse grooves for increased vessel contact



523130

OPEN APPLIERS

- Available in a variety of lengths and tip angles
- Opens at box-lock for easy cleaning



- Curved tip



- Right angle tip

WECK® LIGATION SOLUTIONS

Weck® Horizon™ Metal Ligation System



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Weck® Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.*

WECK® LIGATION SOLUTIONS

Weck® Horizon™ Metal Ligation System

ORDERING INFORMATION

WECK® HEMOCLIP® TRADITIONAL CLIPS AND APPLIERS

■ Small ■ Medium ■ Medium-Large ■ Large

HEMOCLIP® TRADITIONAL-TITANIUM LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
523735	Small	25	12	300
523835	Small	10	24	240
523700	Medium	25	10	250
523800	Medium	10	20	200
523760	Medium-Large	10	20	200
523860	Medium-Large	10	16	160
523770	Large	15	10	150
523870	Large	10	12	120

HEMOCLIP® TRADITIONAL-TANTALUM LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
523135	Small	25	12	300
523335	Small	10	24	240
523100	Medium	25	10	250
523300	Medium	10	20	200
523160	Medium-Large	10	20	200
523360	Medium-Large	10	16	160
523170	Large	15	10	150
523370	Large	10	12	120

HEMOCLIP® TRADITIONAL-STAINLESS STEEL LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
523435	Small	25	12	300
523635	Small	10	24	240
523400	Medium	25	10	250
523600	Medium	10	20	200
523460	Medium-Large	10	20	200
523660	Medium-Large	10	16	160
523470	Large	15	10	150
523670	Large	10	12	120

HEMOCLIP® TRADITIONAL LIGATING CLIP APPLIERS

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523140	Small	6" (15 cm)	Curved
523150	Small	8" (20 cm)	Curved
523151	Small	11" (28 cm)	Curved
523105	Medium	8" (20 cm)	Right Angled
523106	Medium	11" (28 cm)	Right Angled
523109	Medium	6" (15 cm)	Curved
523110	Medium	8" (20 cm)	Curved
523111	Medium	11" (28 cm)	Curved
523165	Medium-Large	8" (20 cm)	Curved
523166	Medium-Large	11" (28 cm)	Curved
523167	Medium-Large	8" (20 cm)	Right Angled
523168	Medium-Large	11" (28 cm)	Right Angled
523175	Large	8" (20 cm)	Curved
523177	Large	8" (20 cm)	Right Angled
523178	Large	11" (28 cm)	Right Angled
523180	Large	11" (28 cm)	Curved

HEMOCLIP® TRADITIONAL LIGATING CLIP PRECISION APPLIERS

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523540	Small	6" (15 cm)	Curved
523550	Small	8" (20 cm)	Curved
523551	Small	11" (28 cm)	Curved

HEMOCLIP® LIGATING CLIP ACCESSORIES

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523120	Removing Forceps	6" (15 cm)	Straight
523121	Removing Forceps	10" (25.4 cm)	Angled Shanks
523130	Cartridge Base	7" (17.78 cm)	

WECK® LIGATION SOLUTIONS

Weck® Horizon™ Metal Ligation System

WECK® HEMOCLIP® PLUS CLIPS AND APPLIERS

■ Small ■ Small-Strongpoint ■ Medium ■ Medium-Large ■ Large

HEMOCLIP® PLUS TITANIUM LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
533735	Small w/tape	25	12	300
533737	Small	25	12	300
533835	Small w/tape	10	18	180
533837	Small	10	18	180
534735	Small-Strongpoint w/tape	25	12	300
534737	Small-Strongpoint	25	12	300
534835	Small-Strongpoint w/tape	10	18	180
534837	Small-Strongpoint	10	18	180
533700	Medium w/tape	25	10	250
533702	Medium	25	10	250
533800	Medium w/tape	10	18	180
533802	Medium	10	18	180
533860	Medium-Large w/tape	10	12	120
533862	Medium-Large	10	12	120
533870	Large w/tape	10	12	120
533872	Large	10	12	120

HEMOCLIP® PLUS LIGATING CLIP APPLIERS

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
533140	Small	6" (15 cm)	Curved
533150	Small	8" (20 cm)	Curved
533151	Small	11" (28 cm)	Curved
533152	Small	8" (20 cm)	Right Angled
534140	Small-Strongpoint	6" (15 cm)	Curved
534150	Small-Strongpoint	8" (20 cm)	Curved
533105	Medium	8" (20 cm)	Right Angled
533106	Medium	11" (28 cm)	Right Angled
533108	Medium	11" (28 cm)	Angled
533109	Medium	6" (15 cm)	Curved
533110	Medium	8" (20 cm)	Curved
533111	Medium	11" (28 cm)	Curved
533164	Medium-Large	11" (28 cm)	Angled
533165	Medium-Large	8" (20 cm)	Curved
533166	Medium-Large	11" (28 cm)	Curved
533167	Medium-Large	8" (20 cm)	Right Angled
533168	Medium-Large	11" (28 cm)	Right Angled
114527	Medium-Large	13" (32 cm)	Endoscopic
533175	Large	8" (20 cm)	Curved
533177	Large	8" (20 cm)	Right Angled
533178	Large	11" (28 cm)	Right Angled
533180	Large	11" (28 cm)	Curved
533181	Large	11" (28 cm)	Angled

HEMOCLIP® LIGATING CLIP ACCESSORIES

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523120	Removing Forceps	6" (15 cm)	Straight
523121	Removing Forceps	10" (25.4 cm)	Angled Shanks
523130	Cartridge Base	7" (17.78 cm)	

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Weck® Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.





CARDIAC, VASCULAR AND THORACIC (CVT) INSTRUMENTS

CHAPTER OVERVIEW

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

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

PRODUCTS

Our full line of Pilling® CVT Instruments includes:

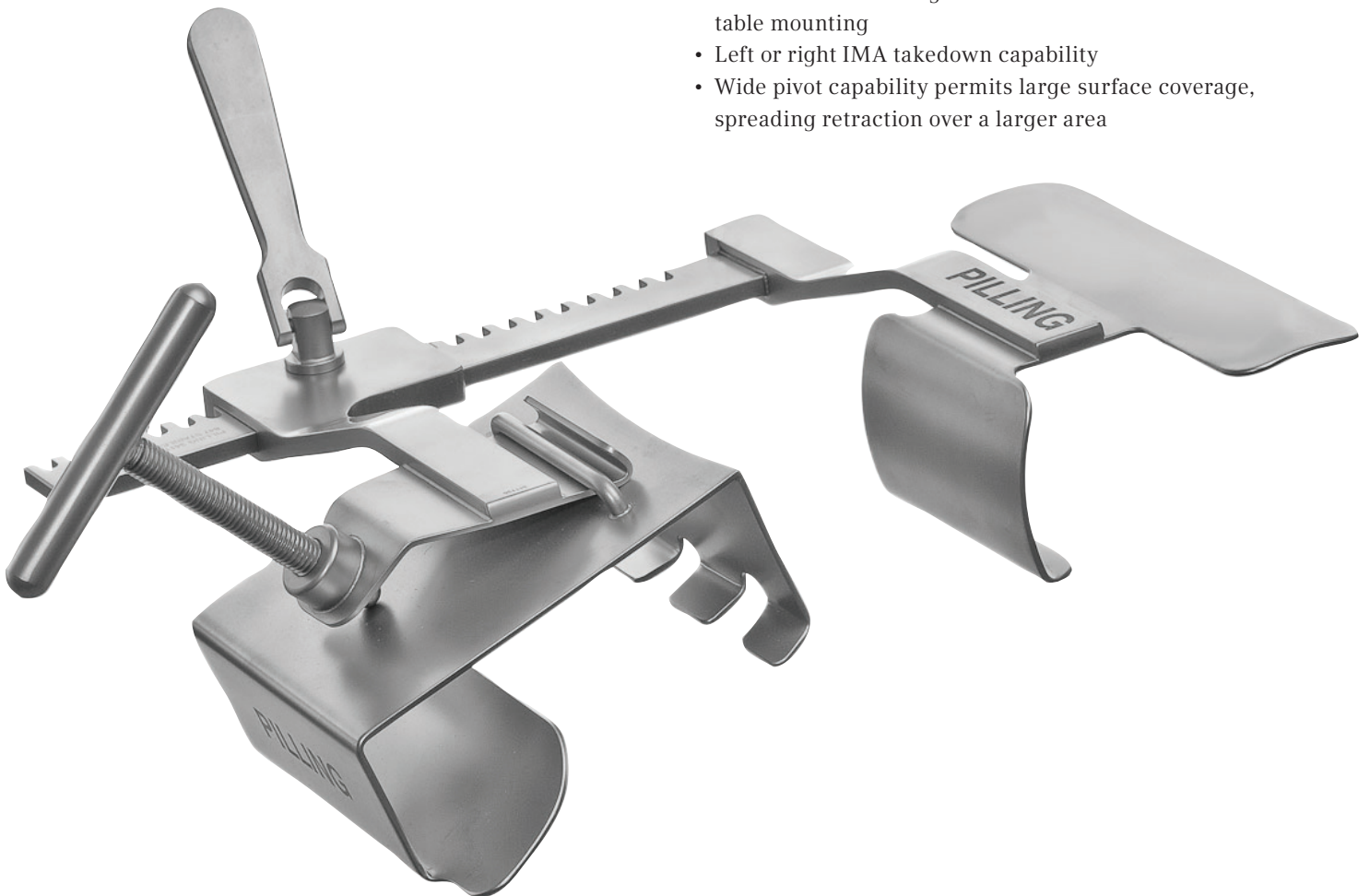
- Retractors: IMA, Sternal and Rib Spreaders
- Technique® Needle Holders, Forceps and Scissors
- Mediastinoscopy Instruments
- Thoracic Instruments
- Instrumentation for Video-Assisted Thoracoscopy
- Vascular Instruments
- And many more

FEATURED PRODUCT

Pilling® IMA Retractor

Surgeon Control by Design

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



CVT FORCEPS AND CLAMPS

Tissue Forceps

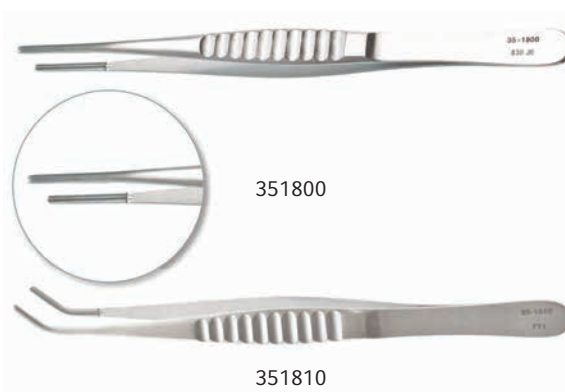
DEBAKEY® THORACIC TISSUE FORCEPS



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.

ITEM #	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



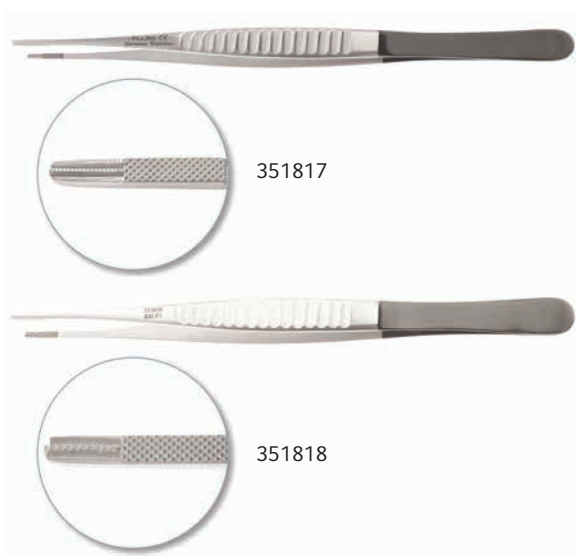
Standard. The distal 2 cm of these forceps is a narrow DeBakey®-type Tip with a width of 2 mm. The body of the instrument is constructed especially to prevent feathering and all pins and projections have been omitted to help eliminate suture catchers. Jaws are very well fitted for handling tiny vessels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

ITEM #	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

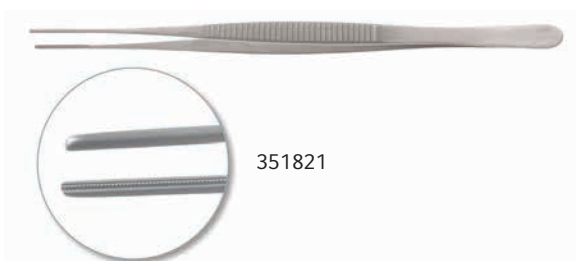
DEBAKEY® CARBIDE FORCEPS



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

ITEM #	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



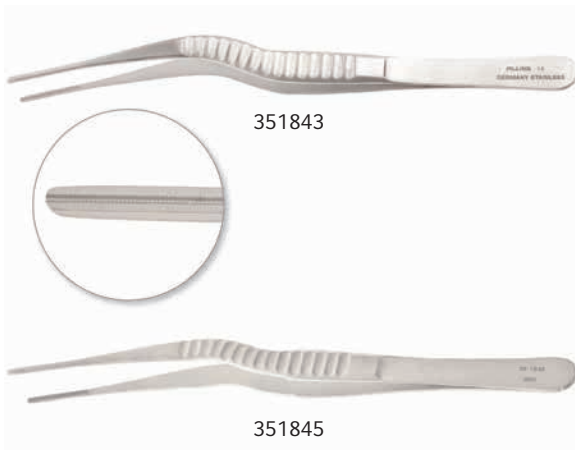
Approximately one-half the weight of standard DeBakey® Forceps, similar to that of titanium but at a much lower price. Ebonized stainless steel to reduce glare. Reduced tension minimizes fatigue and allows better control of delicate tissues.

ITEM #	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

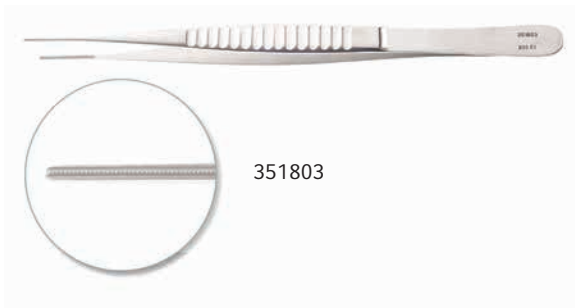
VASCULAR DEBAKEY® BAYONET TISSUE FORCEPS



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

ITEM #	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)

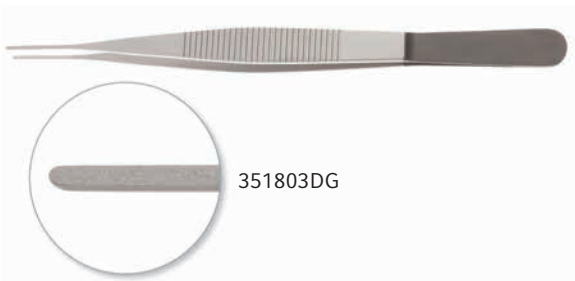
DEBAKEY® DIETHRICH DELICATE VASCULAR TISSUE FORCEPS



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

ITEM #	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® DIETHRICH DIAMA-GRIP TISSUE FORCEPS



ITEM #	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.

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

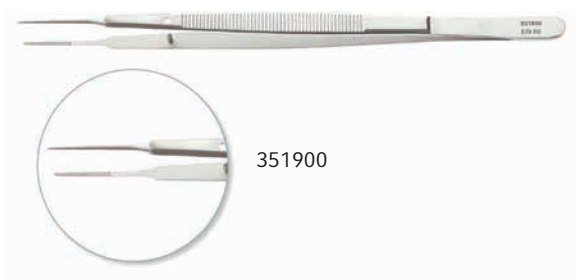
CORONARY ULTRA FINE TISSUE FORCEPS



351838

ITEM #	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.

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

GERALD DRESSING FORCEPS



466225

ITEM #	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



Delicate, tapered DeBakey®-type Jaws.

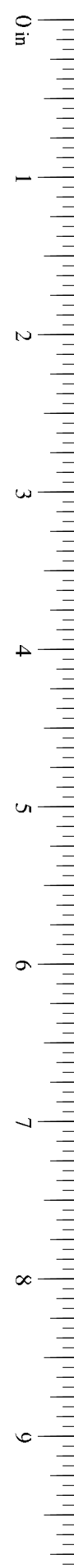
ITEM #	DESCRIPTION
351901	7" (18 cm)
351908	8" (20.5 cm)
351909	9-1/2" (24 cm)
351910	Angled, 6-7/8" (17.5 cm)

GERALD TISSUE FORCEPS



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

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



CVT FORCEPS AND CLAMPS

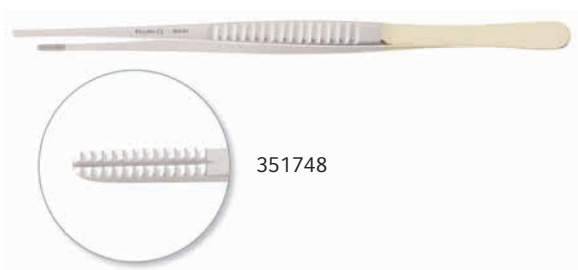
Tissue Forceps

GERALD DIAMA-GRIP DRESSING FORCEPS



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

CARDIAC VALVE FORCEPS



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

WHEELER TECHNIQUE® PLAQUE AND VESSEL FORCEPS



Very powerful grip at tips.

ITEM #	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



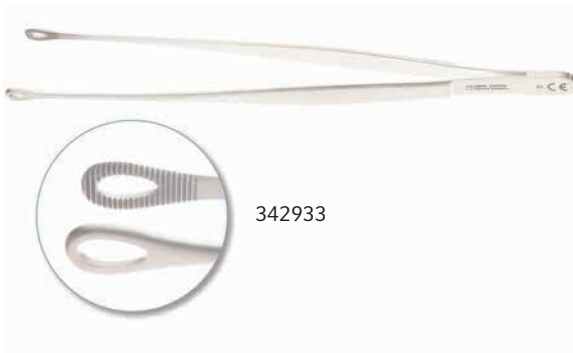
ITEM #	DESCRIPTION
342950	6 x 7 sharp, fine teeth, 9" (23 cm)



CVT FORCEPS AND CLAMPS

Tissue Forceps

SINGLEY TISSUE FORCEPS



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

ITEM #	DESCRIPTION
342933	9" (23 cm)

TUTTLE THORACIC TISSUE FORCEPS



Light construction. Ring tips 6.8 mm wide.

ITEM #	DESCRIPTION
342935	9" (23 cm)

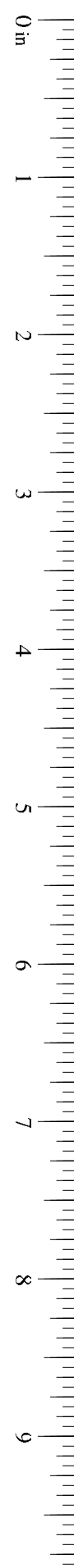
Micro Forceps

MICRO GRASPING FORCEPS



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

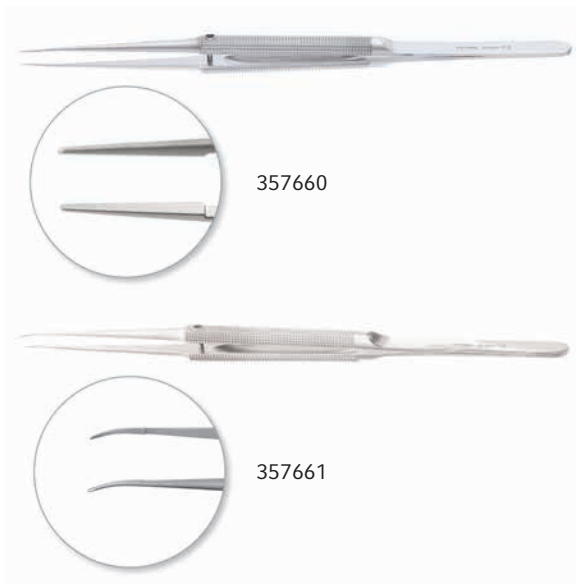
ITEM #	DESCRIPTION
357681	Straight, 7-7/8" (20 cm)



CVT FORCEPS AND CLAMPS

Micro Forceps

MICRO TYING FORCEPS



Round handle, 8 mm diameter.

ITEM #	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



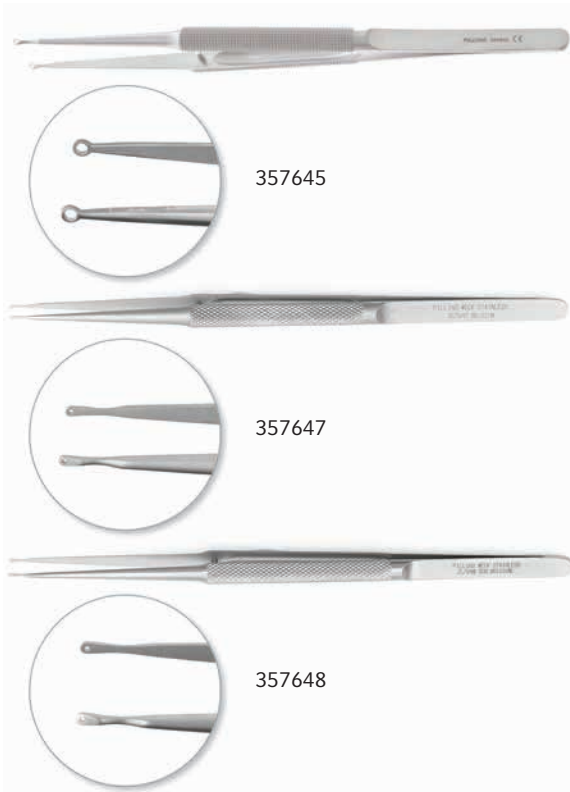
Straight jaw with longitudinal serrations.

ITEM #	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

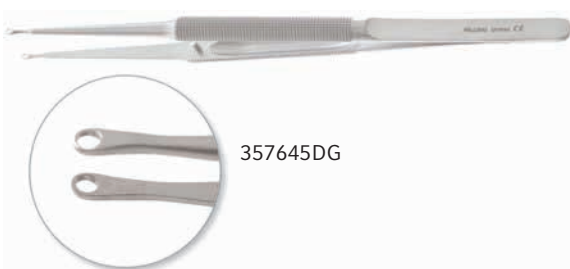
MICRO RING TIP FORCEPS



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.

ITEM #	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.

ITEM #	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



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

Ligature Carriers

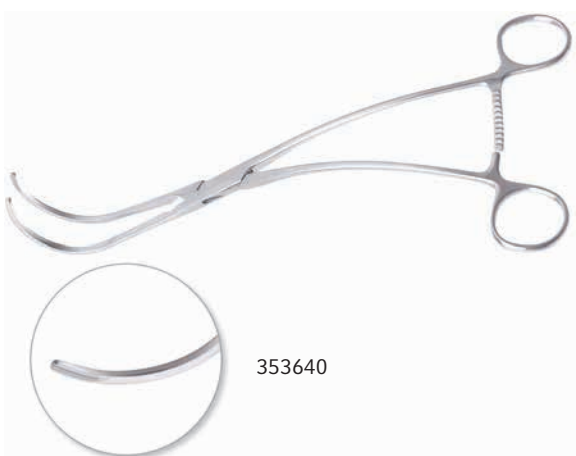
DARLING TAPE PASSING CLAMP "AORTA GO AROUND"



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

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

DEBAKEY® MODIFIED SEMB LIGATURE CARRIER



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 radius.

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

CVT FORCEPS AND CLAMPS

Ligature Carriers

FAVALARO-SEMB LIGATURE CARRIERS



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

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

SEMB DISSECTING FORCEPS



For dissecting and breaking adhesions.

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

SEMB LIGATURE FORCEPS



Acute curve. Tips perforated for use as a ligature carrier.

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

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps

BABCOCK TISSUE FORCEPS



ITEM #	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)

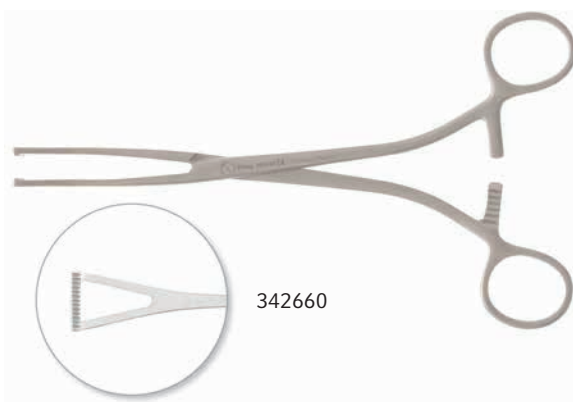
BRONCHUS CLAMP



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

ITEM #	DESCRIPTION
342804	9" (23 cm)

COLLIN LUNG TISSUE FORCEPS



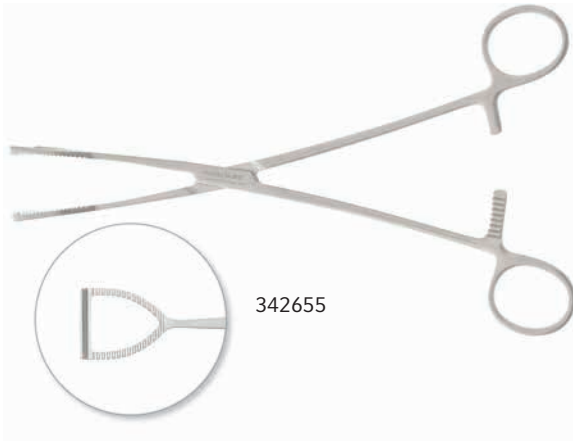
Light, screw lock box design. Teeth across entire distal edge.

ITEM #	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

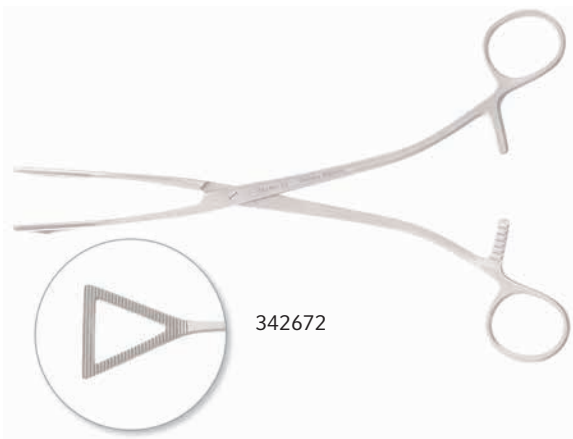
DEBAKEY® LUNG GRASPING FORCEPS



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.

ITEM #	DESCRIPTION
342655	9" (23 cm)

DUVAL LUNG TISSUE FORCEPS



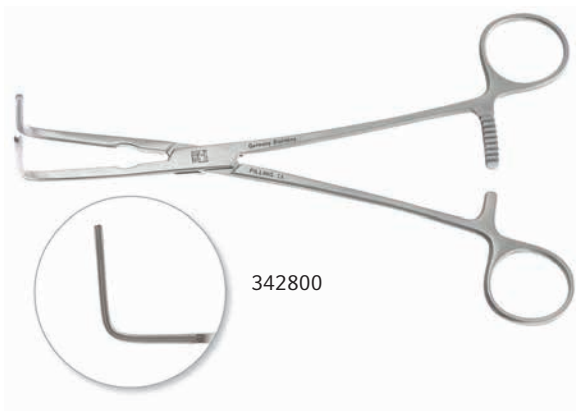
Light, screw lock box design. DeBakey®-type, serrated Jaws. Jaw width 1" (2.5 cm).

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

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps

LEES BRONCHUS CLAMPS



Also serves as a general purpose vascular clamp.
DeBakey®-type Jaw is 4 cm long beyond angle.

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

LOVELACE LUNG TISSUE FORCEPS



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

REVUELTA-GARCIA ALLIS CURVED CLAMPS



Half curved, DeBakey® Jaw.

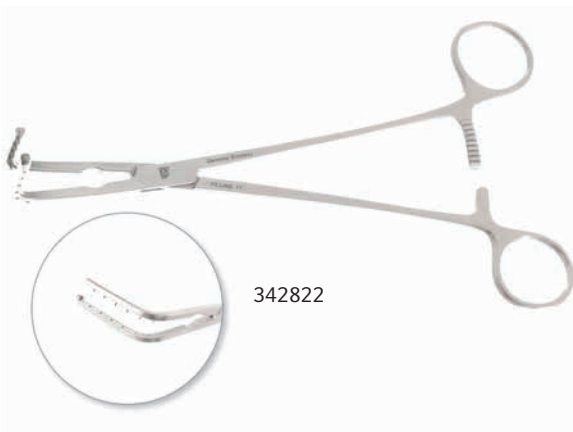
ITEM #	DESCRIPTION
351743	10-1/8" (25.5 cm)
351744	10-7/8" (27.5 cm)



CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps

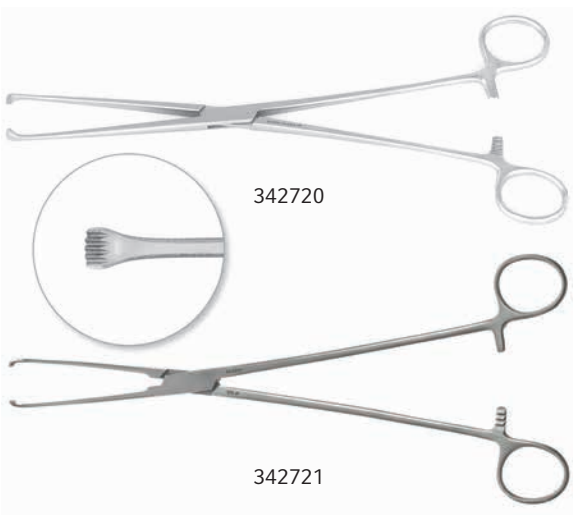
SAROT BRONCHUS CLAMPS



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.

ITEM #	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.

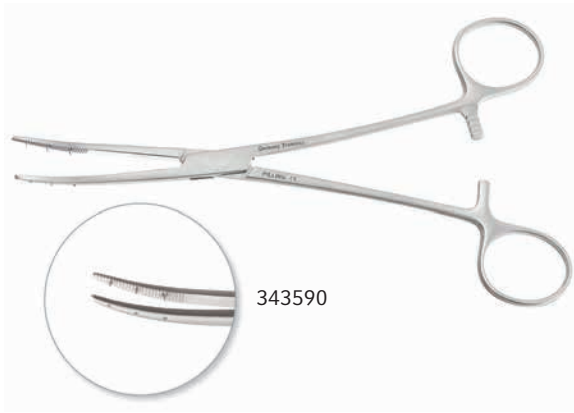
ITEM #	DESCRIPTION
342720	10" (25.5 cm)
342721	11-1/4" (28.5 cm)



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.

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



BULLDOG® AND MICRO VESSEL CLAMPS

Bulldog® Clamps

DEBAKEY® CROSS ACTION BULLDOG® CLAMPS



353050



353052



353054



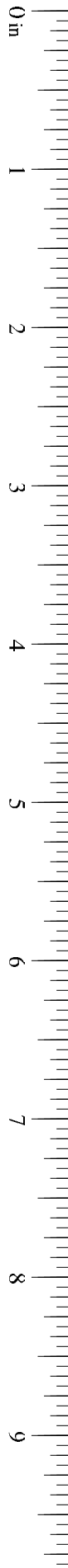
353062



353066

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

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



BULLDOG® AND MICRO VESSEL CLAMPS

Bulldog® Clamps

DIETRICH BULLDOG® CLAMPS

Low tension clamps for coronary arteries.



353150



353151



353152



353153

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



353154



353155

EFFLER-GROVES SPECIAL LIGHTWEIGHT BULLDOG® CLAMP

Delicate model for clamping the mammary artery.



355819

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



BULLDOG® AND MICRO VESSEL CLAMPS

Bulldog® Clamps

GLOVER STYLE BULLDOG® CLAMPS

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.



353100



353102



353105



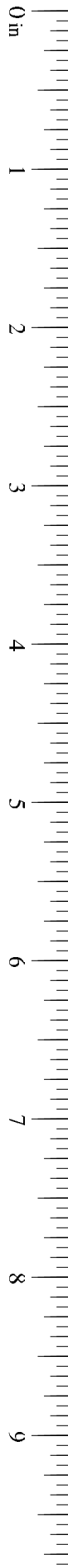
353112



ITEM #	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.

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

JACOBSON BULLDOG® CLAMPS



ITEM #	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

ITEM #	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

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

BULLDOG® AND MICRO VESSEL CLAMPS

Bulldog® Clamps

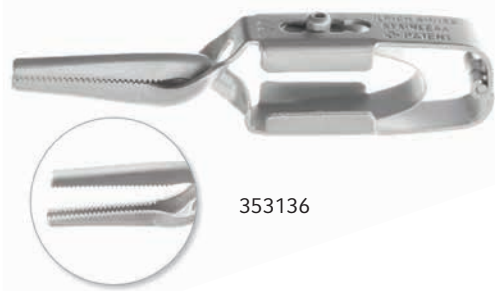
SENNING FEATHERWEIGHT BULLDOG® CLAMPS



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).

ITEM #	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



Strong closing pressure.

ITEM #	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.

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

BULLDOG® AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

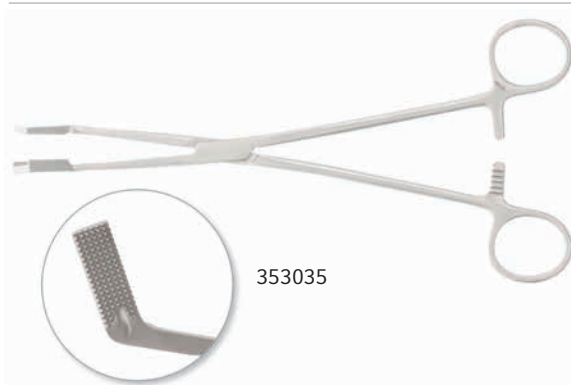
BRACHIAL LARGE VESSEL CLIPS



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

ITEM #	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.

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

KLEINERT-KUTZ MICRO VESSEL CLIPS



ITEM #	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 6 mm
065145	Curved blade, 1 x 5 mm

BULLDOG® AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

TEMPORARY OCCLUSION CLIPS



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

LOUISVILLE MICRO VESSEL APPROXIMATOR WITH CLIPS



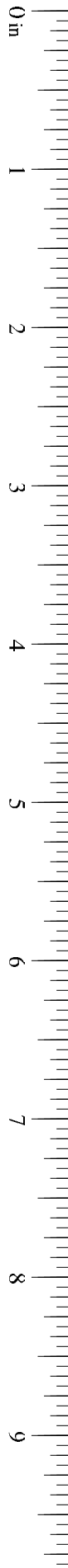
With suture staying frame.

ITEM #	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



ITEM #	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.

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

SCHWARTZ MICRO-BULLDOG® CLAMPS



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

ITEM #	DESCRIPTION
353041	Straight
353042	Slight curve
353043	Acute curve

SCHWARTZ CLAMP HOLDING FORCEPS



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



BULLDOG® AND MICRO VESSEL CLAMPS

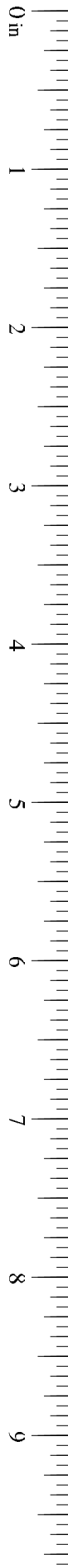
Micro Vessel Clamps

RENAL PERFUSION CLAMPS



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

ITEM #	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

Closing force is approximately 170 grams.
Recommended for single use only.

ITEM #	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.



357586



BULLDOG® AND MICRO VESSEL CLAMPS

Micro Vessel Clamps

MINI-ANEURYSM BULLDOG® CLIPS AND APPLIERS



Closing force is approximately 170 grams.
Recommended for single use only.

ITEM #	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)

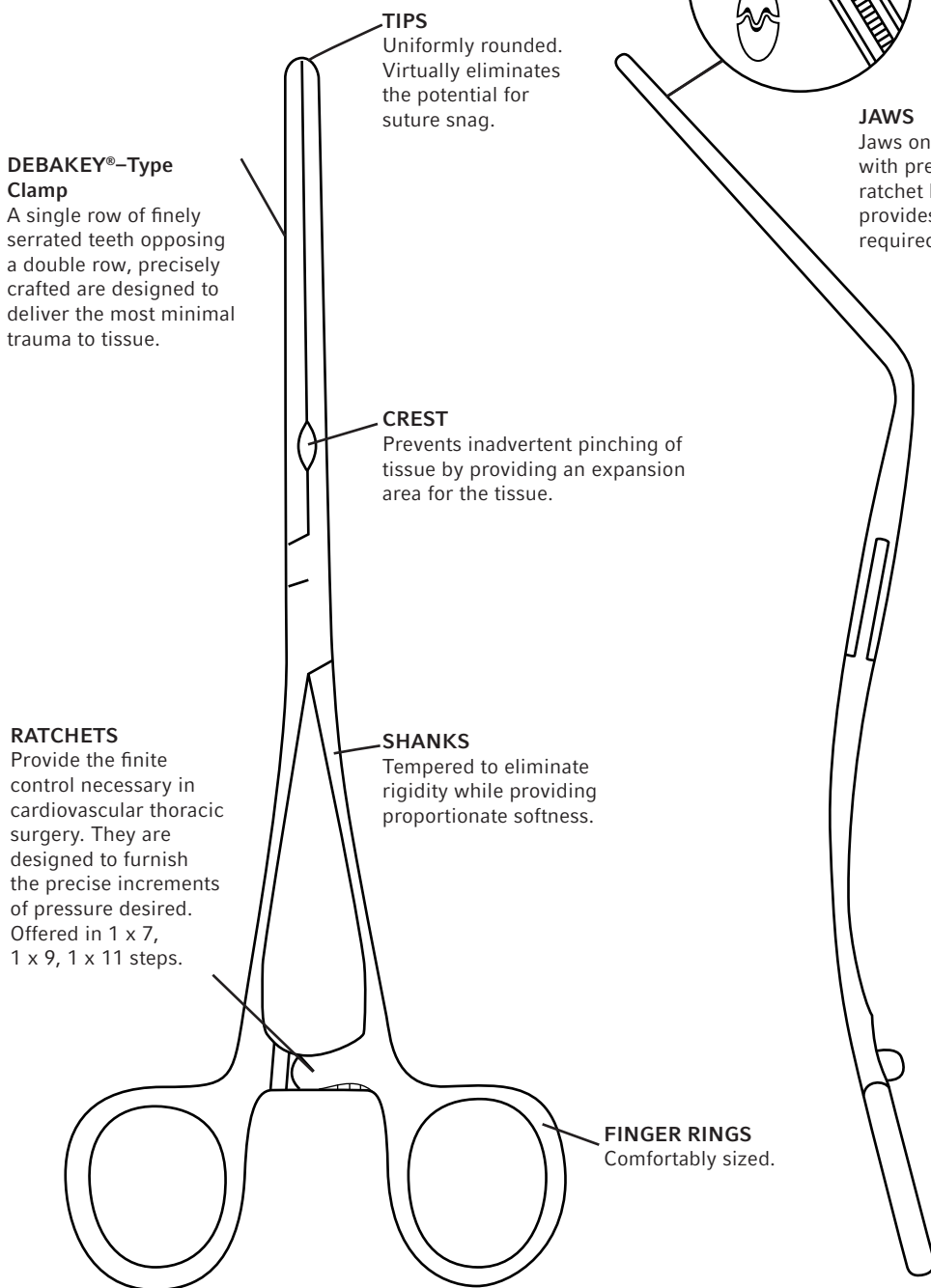
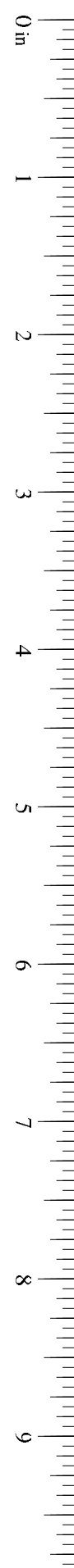
Caution: These clips should be compressed only when properly seated in the appropriate applying forceps, never with the fingers. If compression of a clip is started but the clip is not used, it must be discarded and a new clip used.

MICRO CLIP STERILIZING TRAY



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

PILLING® VASCULAR CLAMPS



TIPS
Uniformly rounded.
Virtually eliminates
the potential for
suture snag.

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

**DEBAKEY®-Type
Clamp**
A single row of finely
serrated teeth opposing
a double row, precisely
crafted are designed to
deliver the most minimal
trauma to tissue.

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

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.

SHANKS
Tempered to eliminate
rigidity while providing
proportionate softness.

FINGER RINGS
Comfortably sized.



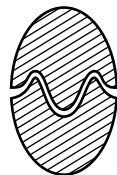
PILLING® VASCULAR CLAMPS

Types of jaws used in Pilling® Cardiovascular Clamps

JAW CROSS SECTIONS

Relative Size

Enlargement



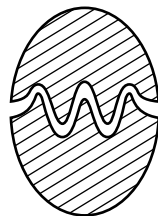
A single row of serrated teeth opposing a double row. The most commonly used jaw design, (and most imitated). Proven through many years' use at hospitals throughout the world on adult peripheral vascular, aortic occlusion and partial occlusion clamps.



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



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



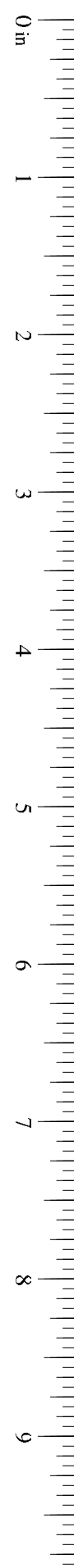
Double row of serrated teeth opposing a triple row. This modified version of the DeBakey® – type Serration, having a broader clamping surface, is used on large clamps for aortic cross clamping and on diseased and calcified arteries. Clamps with the 2 x 3 serration are also used frequently in general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



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



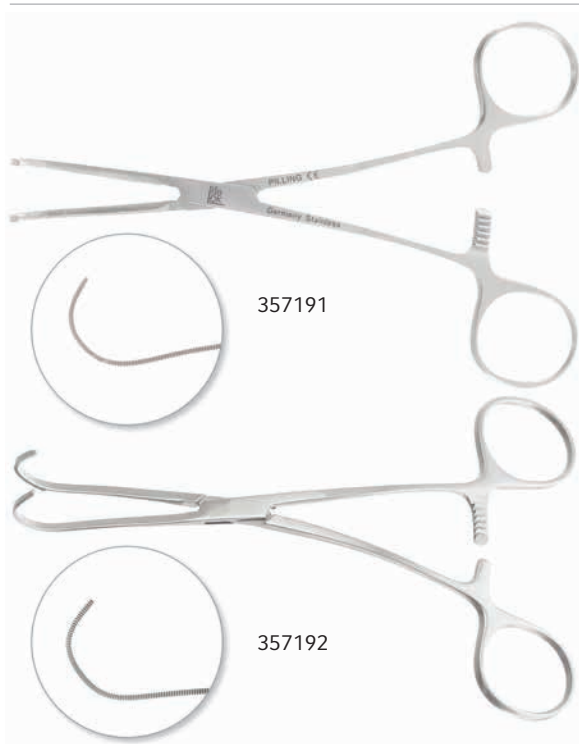
Narrow, single row of opposing teeth. Designed for neonatal vascular surgery, these clamps have also proven of value in adult surgery of the carotid femoral and popliteal arteries and for creating A.V. Fistulas.



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.

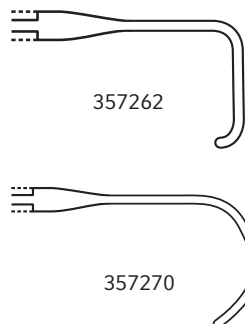
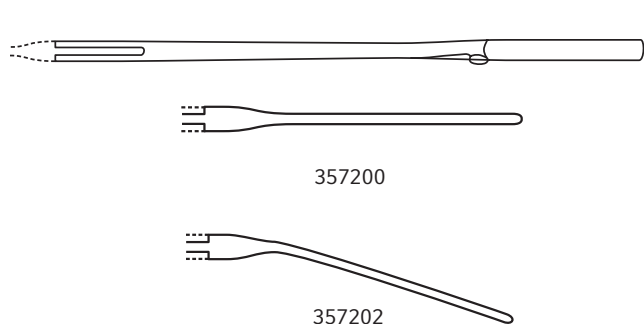
ITEM #	DESCRIPTION
357191	Long, small jaw, 1 mm thick, 9/16" (1.5 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)
357192	Long, large jaw, 1 mm thick, 3/4" (2 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)

PILLING® LONG 1 MM PEDIATRIC CLAMPS



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

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

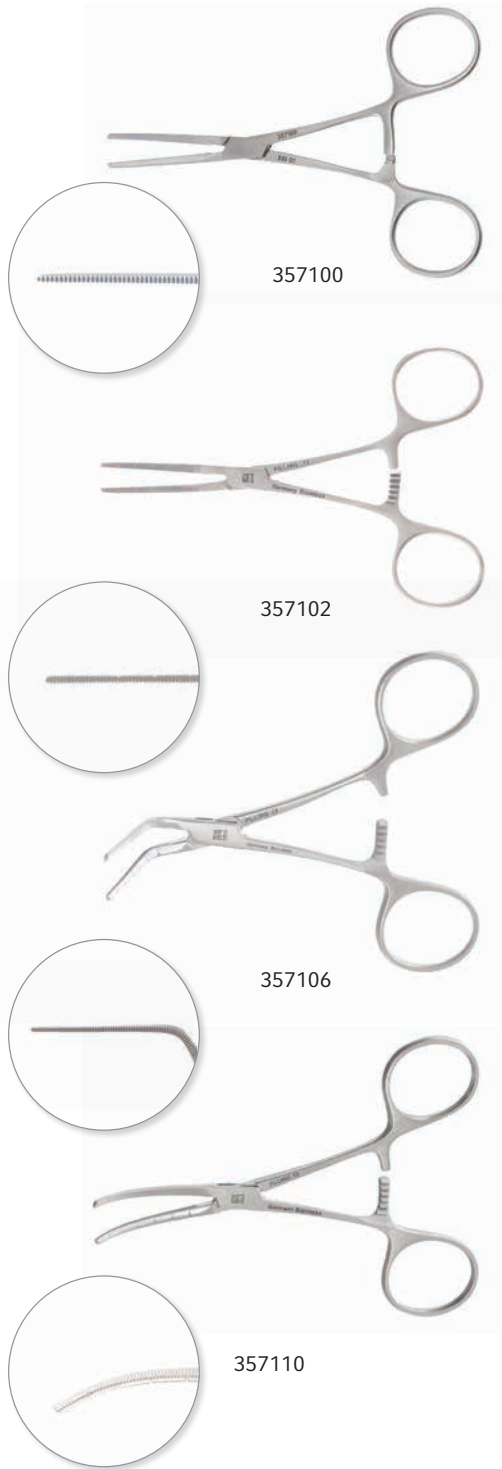




VASCULAR CLAMPS

Pediatric Clamps, 1 mm Jaw

PILLING® SHORT 1 MM PEDIATRIC CLAMPS

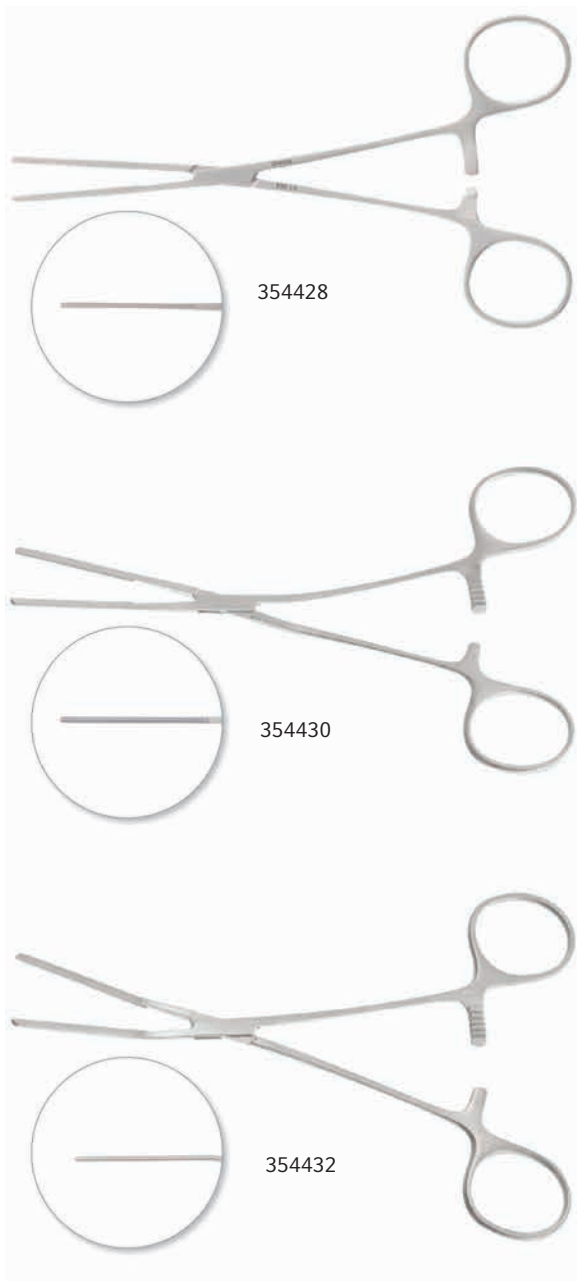


ITEM #	DESCRIPTION
357100	Straight handles, 4-5/8" (12 cm)
357102	Straight handles, 4-1/2" (11.5 cm)
357106	Straight handles, 4" (10.5 cm)
357110	Straight handles, 4-1/2" (11.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY® COARCTATION CLAMPS



ITEM #	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)

0 in

1

2

3

4

5

6

7

8

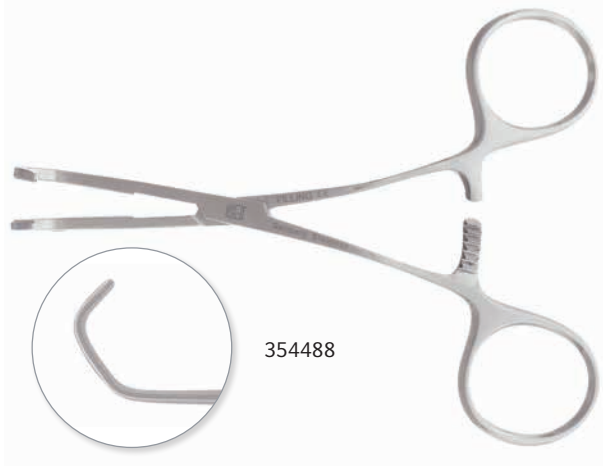
9



VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY® PARTIAL OCCLUSION CLAMPS

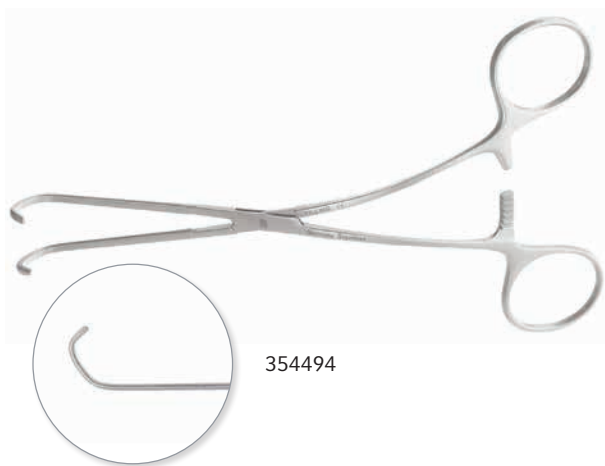


354488



354490

ITEM #	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)



354494

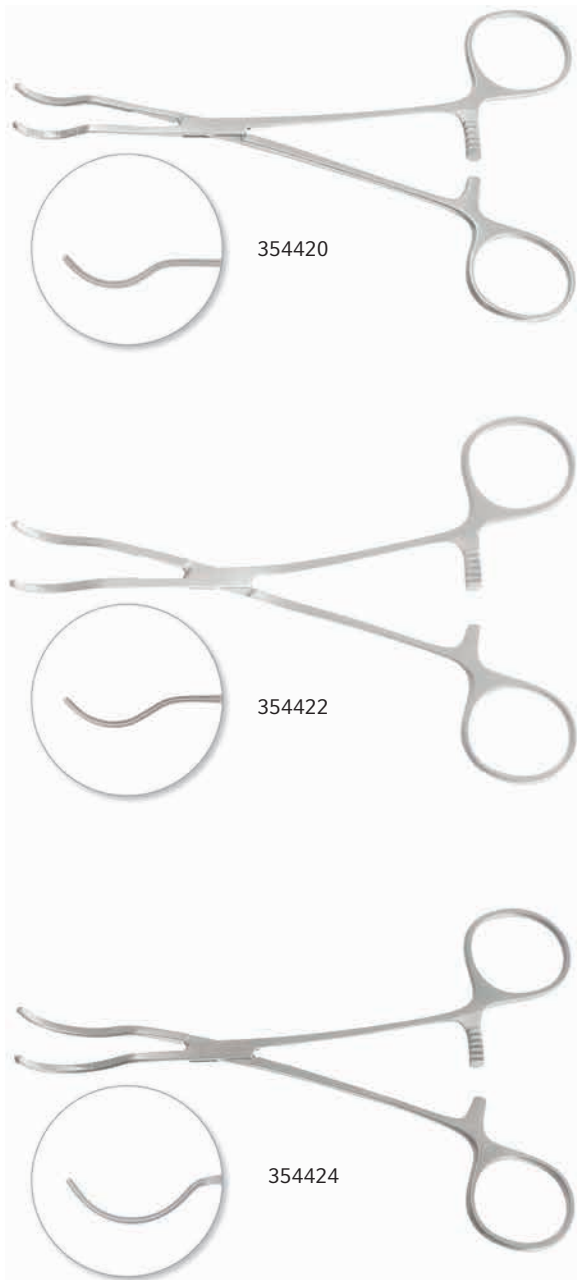


354496

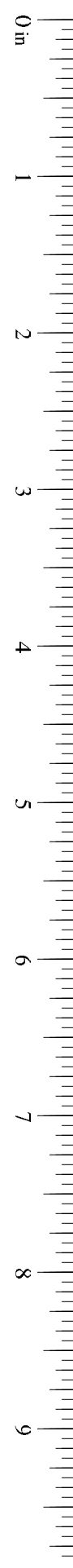
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY® SPOON CLAMPS



ITEM #	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

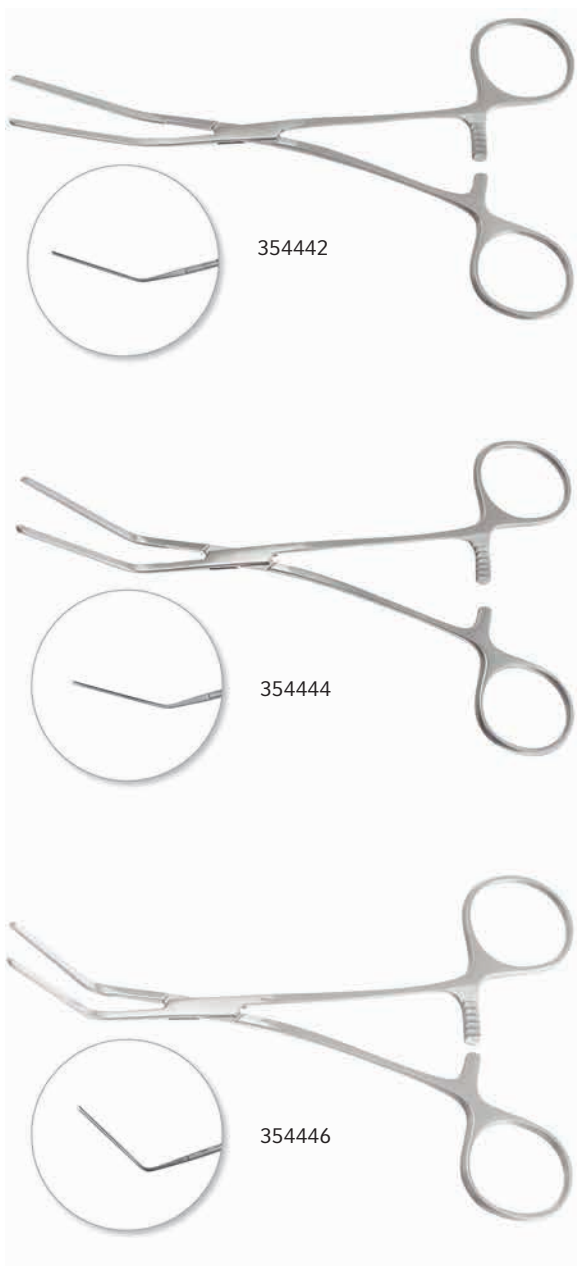


ITEM #	DESCRIPTION
354434	Angled 30 degrees, jaw length 20 mm, 5-3/4" (14.5 cm)
354436	Angled 45 degrees, jaw length 20 mm, 5-1/2" (14 cm)
354438	Angled 60 degrees, jaw length 20 mm, 5-3/8" (13.5 cm)

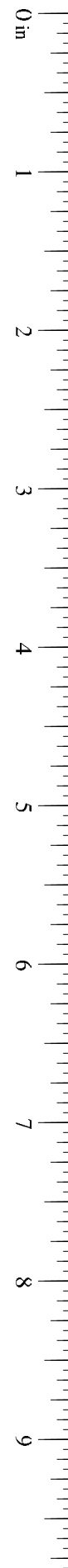
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY® MULTIPURPOSE VASCULAR CLAMPS LONG



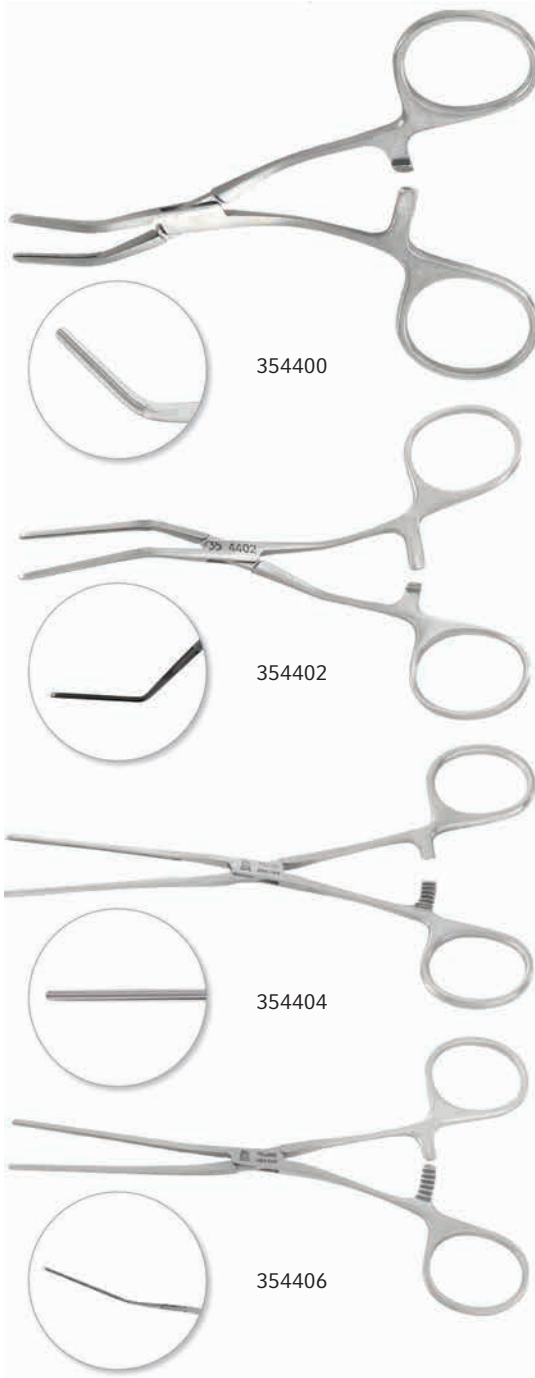
ITEM #	DESCRIPTION
354442	Angled 30 degrees, 6-1/2" (16.5 cm)
354444	Angled 45 degrees, 6-1/8" (15.5 cm)
354446	Angled 60 degrees, 5-3/4" (14.5 cm)



VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY® PEDIATRIC AND ADULT VASCULAR CLAMPS



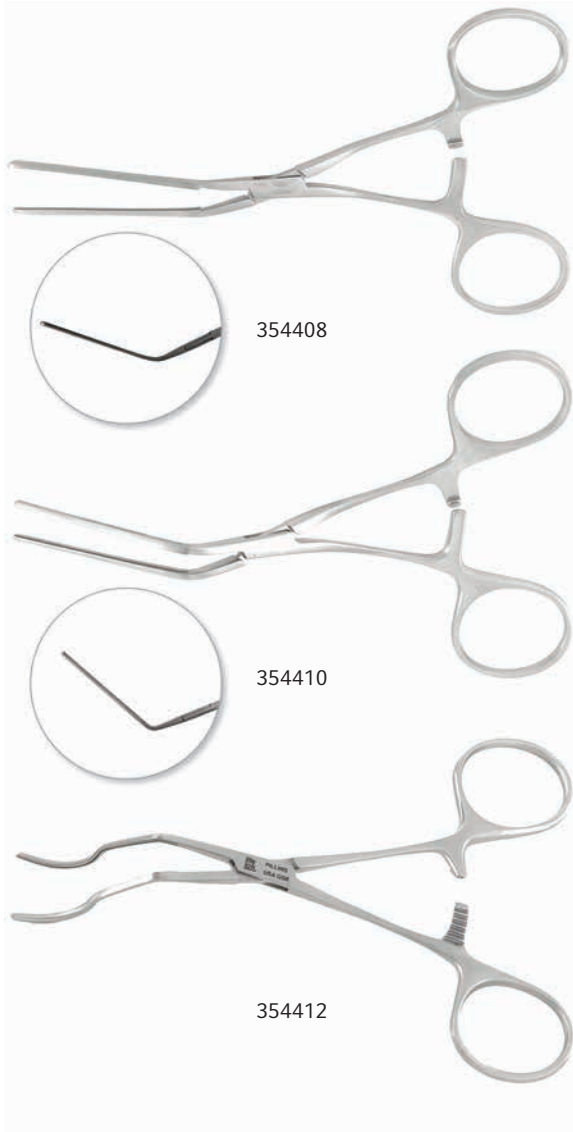
ITEM #	DESCRIPTION
354400	Small, angled 45 degrees, 5/8" (1.5 cm) jaw, 3-7/8" (10 cm)
354402	Medium, angled 45 degrees, 4-1/8" (10.5 cm)
354404	Large, straight, 5-1/2" (14 cm)
354406	Angled 15 degrees, 5-1/4" (13.5 cm)



VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBAKEY® PEDIATRIC AND ADULT VASCULAR CLAMPS



ITEM #	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

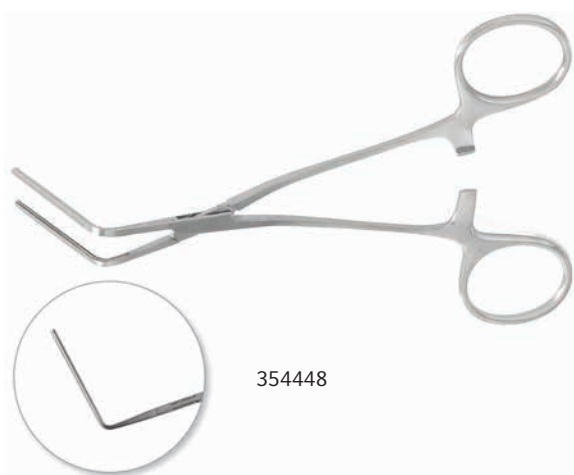
Pediatric Clamps, 1.5 mm Jaw

DEBAKEY® PATENT DUCTUS CLAMPS



ITEM #	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



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

VASCULAR CLAMPS

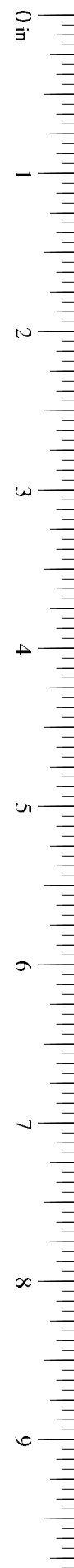
Pediatric Clamps, 1.5 mm Jaw

DEBORAH-CASTANEDA PARTIAL OCCLUSION CLAMPS



Jaw blades calibrated at 5 mm intervals.

ITEM #	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)



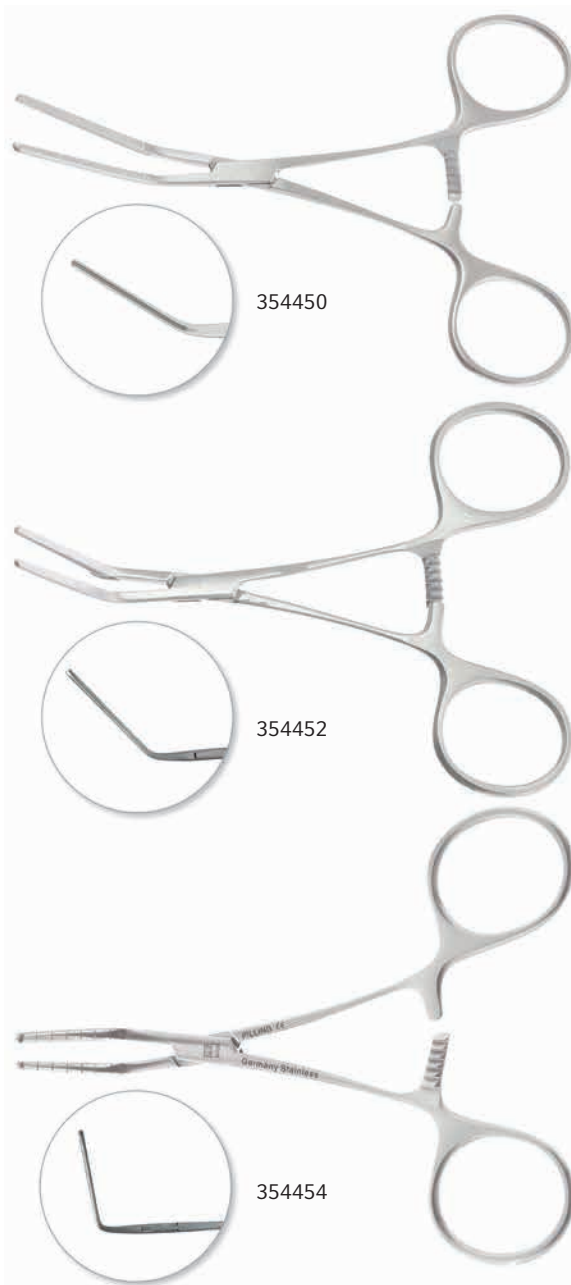
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DEBORAH-CASTANEDA PERIPHERAL VASCULAR CLAMPS

Jaw blades calibrated at 5 mm intervals.

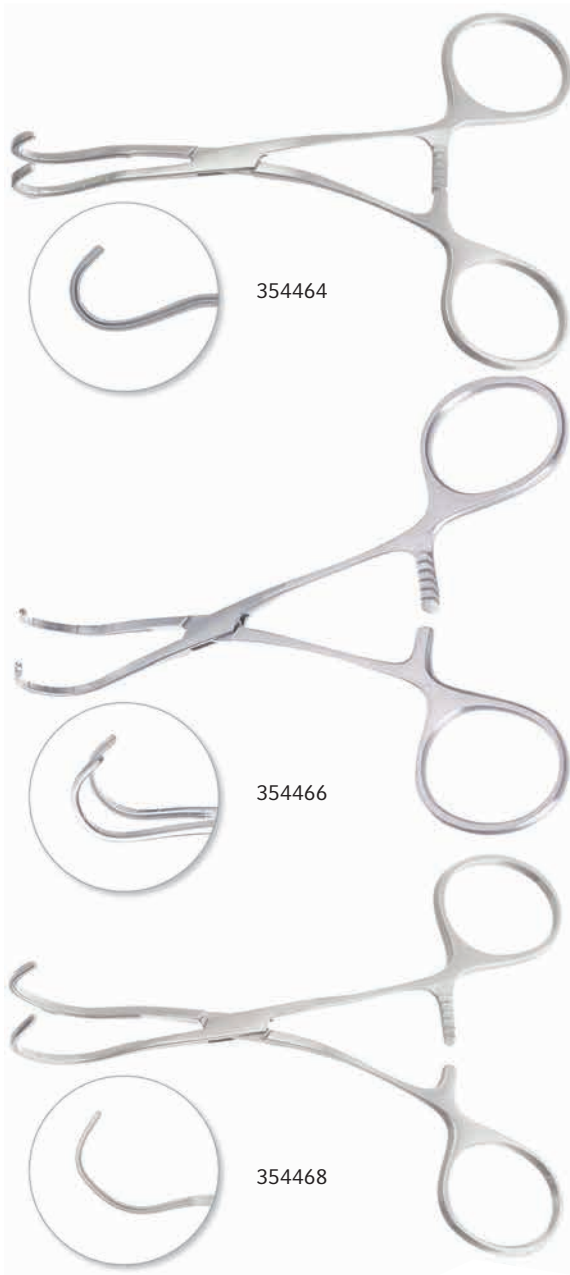
ITEM #	DESCRIPTION
354450	Angled 30 degrees, 30 mm jaw, 4-3/4" (12 cm)
354452	Angled 50 degrees, 30 mm jaw, 4-5/8" (11.5 cm)
354454	Angled 90 degrees, 30 mm jaw, 3-3/4" (9.5 cm)



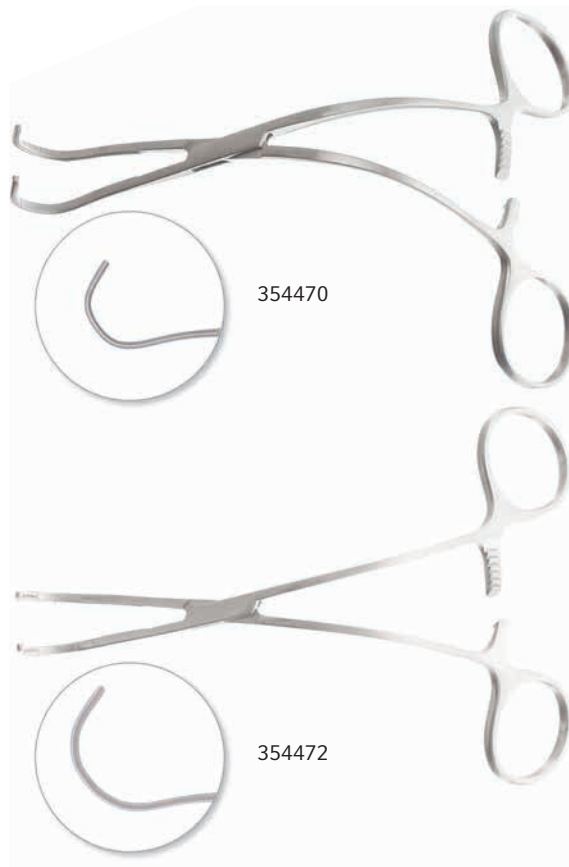
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

DERRA PARTIAL OCCLUSION CLAMPS



ITEM #	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)

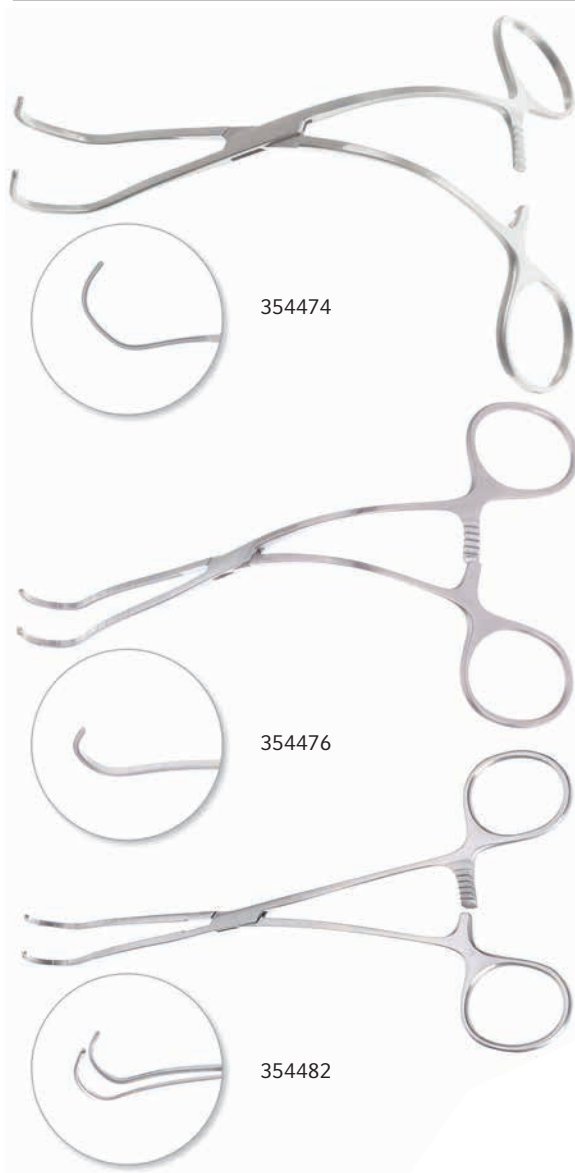




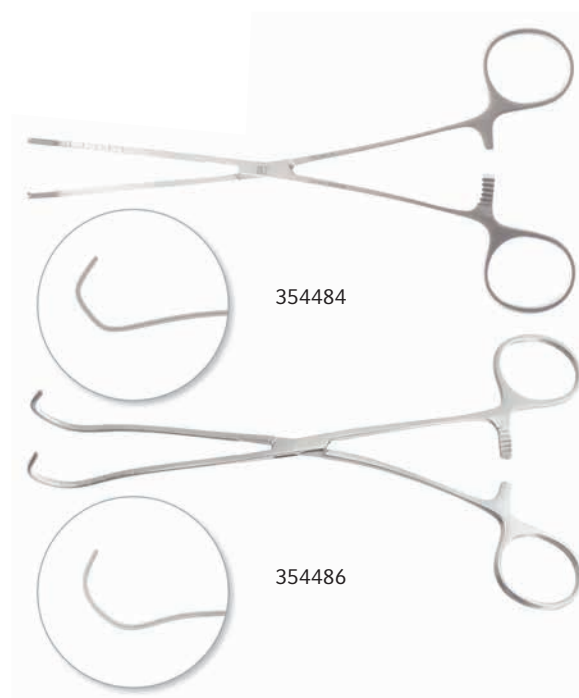
VASCULAR CLAMPS

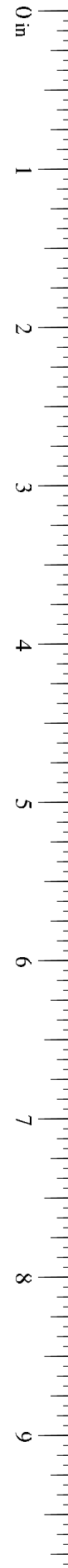
Pediatric Clamps, 1.5 mm Jaw

DERRA PARTIAL OCCLUSION CLAMPS



ITEM #	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)

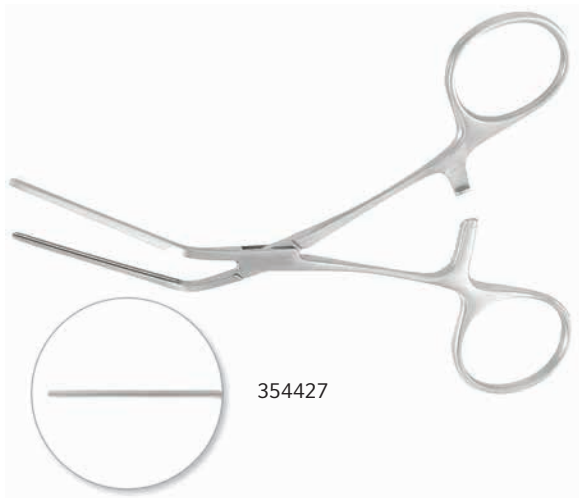




VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

REPLOGIE PEDIATRIC AORTA CROSS CLAMP



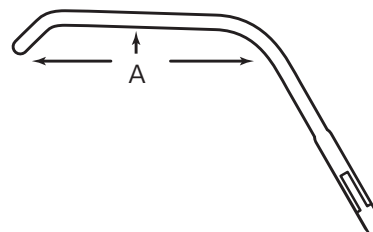
ITEM #	DESCRIPTION
354427	Angled 60 degrees, 48 mm jaw, 4-5/8" (12 cm)

Pediatric Clamps, 2 mm Jaw

BECK MINIATURE PEDIATRIC AORTIC CLAMP



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

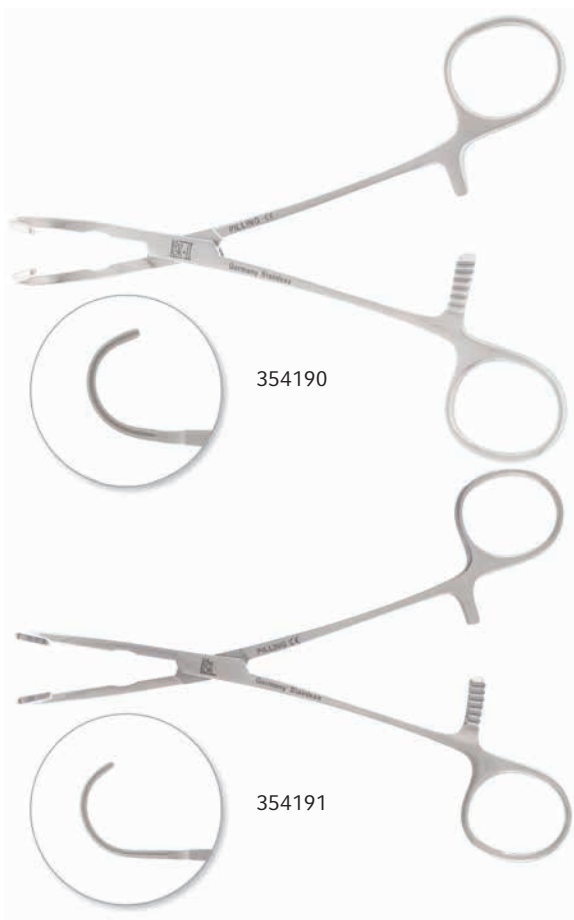




VASCULAR CLAMPS

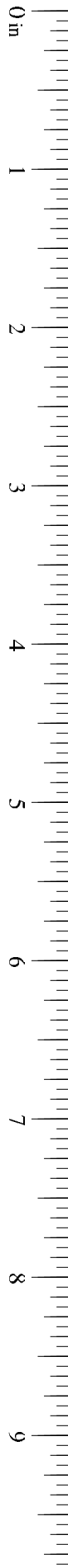
Pediatric Clamps, 2 mm Jaw

BECK-TYPE VESSEL CLAMPS



Small, acutely curved DeBakey®-type Jaws.

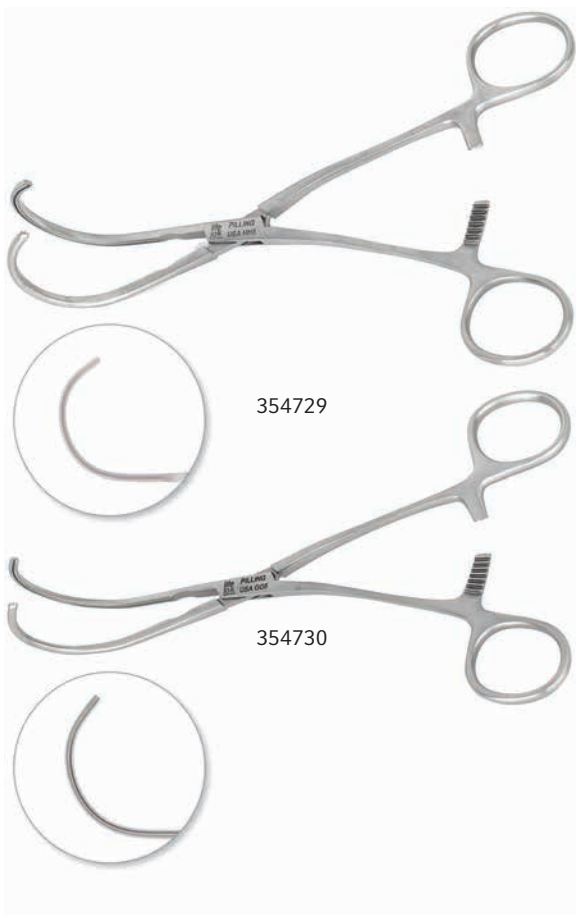
ITEM #	DESCRIPTION
354190	Small, 21 mm jaw, 6" (15 cm)
354191	Large, 32 mm jaw, 6-1/2" (16.5 cm)



VASCULAR CLAMPS

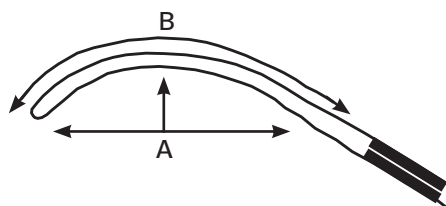
Pediatric Clamps, 2 mm Jaw

DEBAKEY® ACUTELY CURVED CLAMPS

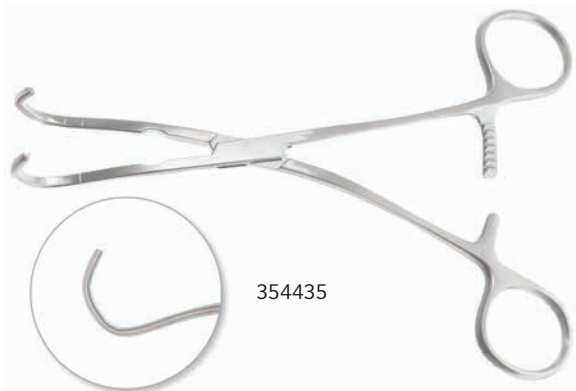


Jaws curve on 1-3/4" (4.5 cm) radius, entire length of jaws contain DeBakey®-type Serrations.

ITEM #	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



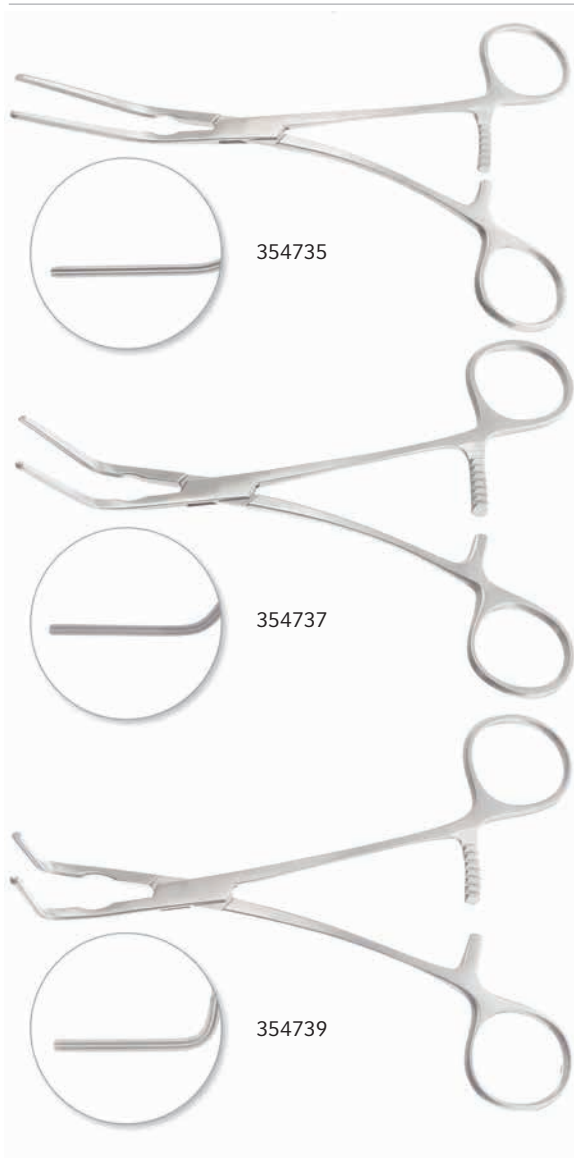
ITEM #	DESCRIPTION
354435	Small jaw, 6-1/2" (16.5 cm)



VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

DEBAKEY® PEDIATRIC MULTIPURPOSE CLAMPS



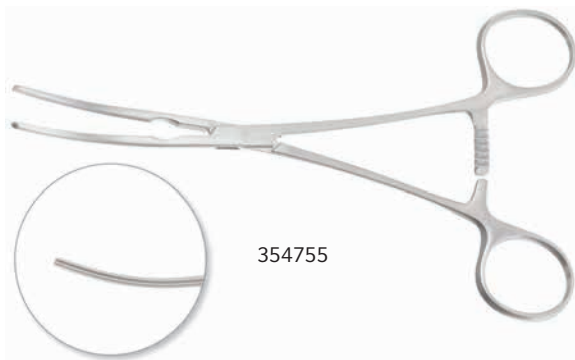
DeBakey®-type Jaw, spring handle, 1 x 7 ratchets.

ITEM #	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

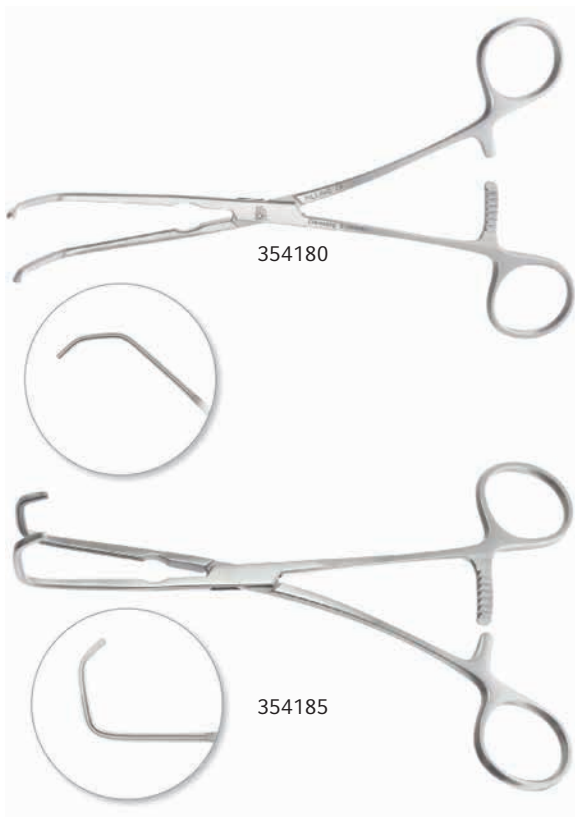
Pediatric Clamps, 2 mm Jaw

GLOVER CURVED MINIATURE PEDIATRIC CLAMP



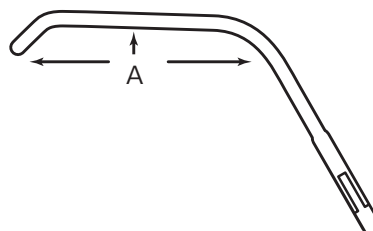
ITEM #	DESCRIPTION
354755	Slightly curved jaws 1/2" (1.2 cm) long, 7-1/8" (18 cm)

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.

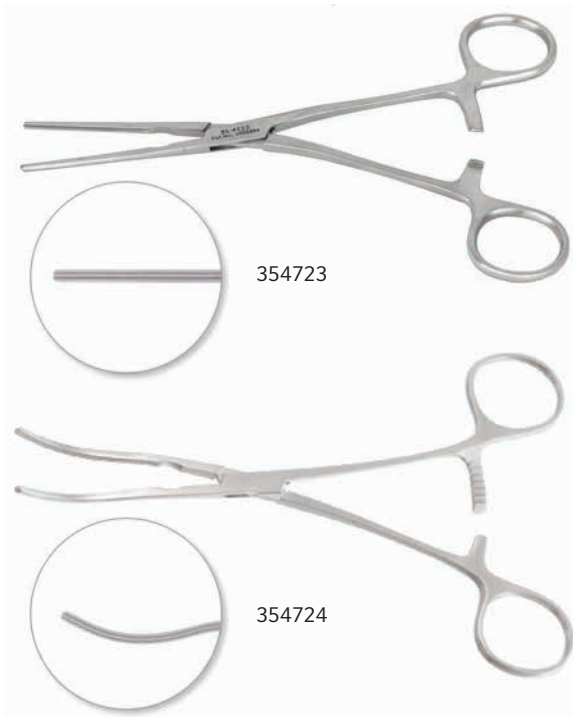
ITEM #	DESCRIPTION
354180	Angled 50 degrees, small jaw, (A) length 1" (2.5 cm), (A) depth 1/4" (6 mm), 7-1/4" (18.5 cm)
354185	Angled 85 degrees, small jaw, (A) length 1-1/4" (3 cm), (A) depth 1/4" (6 mm), 6-3/4" (17 cm)



VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

PILLING® MINIATURE PEDIATRIC CLAMPS



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

ITEM #	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



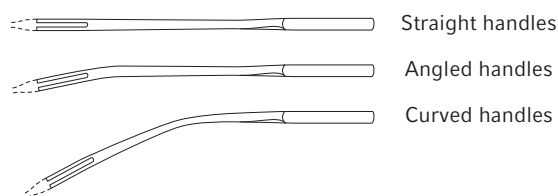
These clamps are designed especially for surgery in infants and small children. They have specially set ratchets to permit gradual application and release of the clamps.

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.

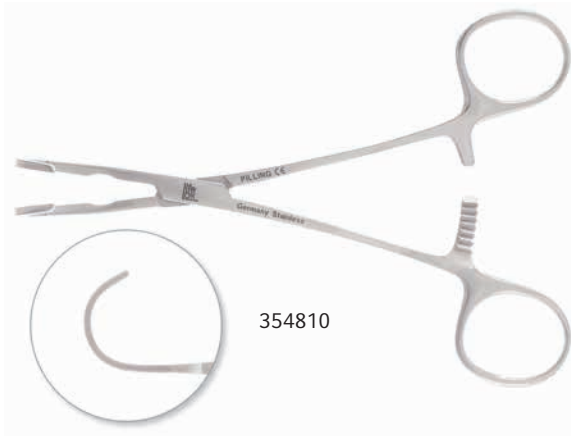
ITEM #	DESCRIPTION
357302	Straight jaw, angled shanks, 5-1/8" (13 cm)
357304	Angled jaw, curved shanks, 5" (12.5 cm)
357306	Curved 3/4" (19 mm) jaw, straight shanks, 4-5/8" (11.5 cm)
357308	Partial occlusion jaw, curved shanks, 4-5/8" (11.5 cm)
357310	Carotid jaw, curved shanks, 4-3/4" (12 cm)



VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

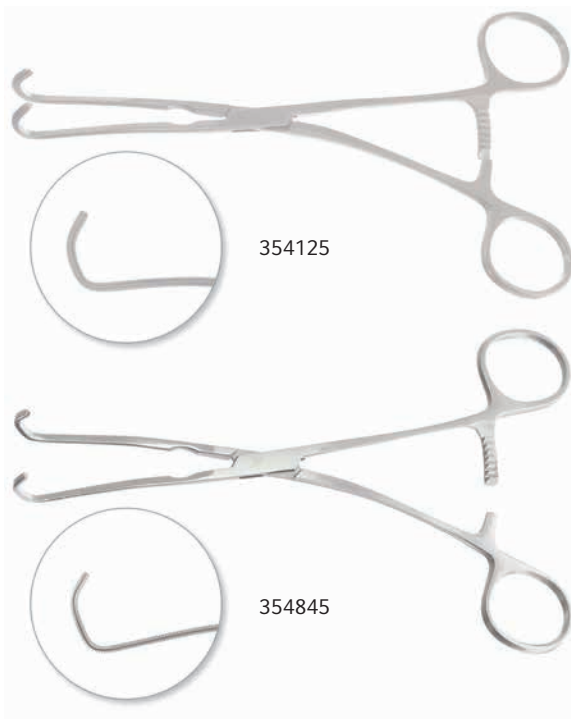
BECK-TYPE VESSEL CLAMP



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

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

COOLEY ANASTOMOSIS CLAMPS



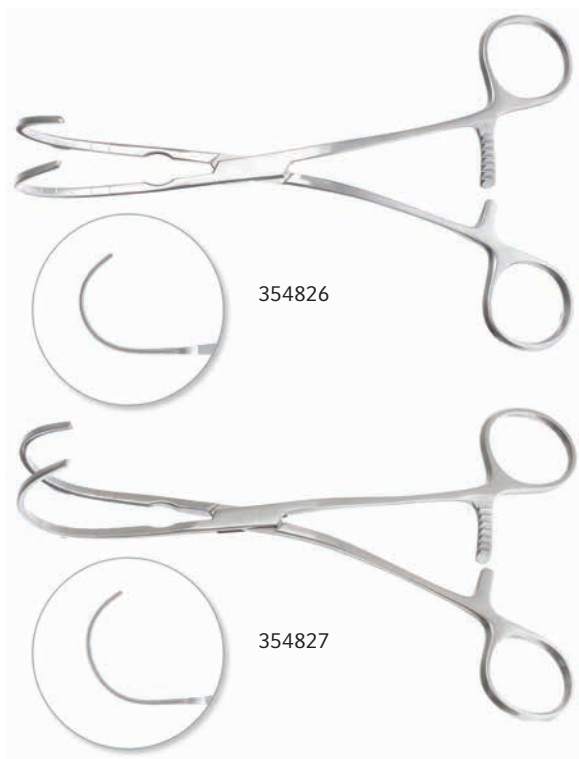
Jaws are calibrated on the anterior surface from center point outward. This miniature vascular clamp is designed for partial occlusion of a major vessel (aorta, inferior vena cava, carotid artery, etc.) where total occlusion may be undesirable. Calibrations at 5 mm intervals on the jaws are useful in aortico-pulmonary anastomosis in infants and children with tricuspid atresia or tetralogy of Fallot. Lightweight, calibrated jaws 3/4" (2 cm) with Cooley serration.

ITEM #	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

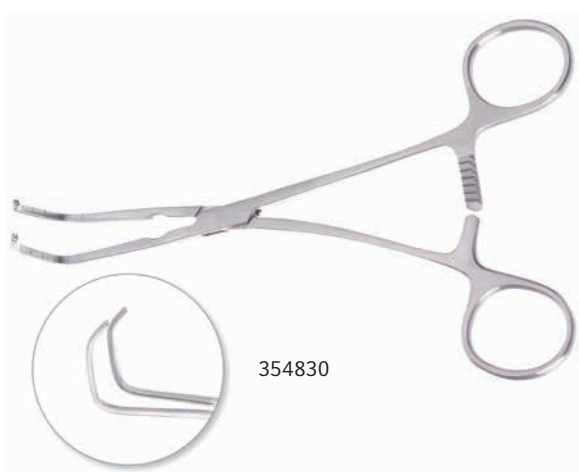
COOLEY CLAMPS



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

ITEM #	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.

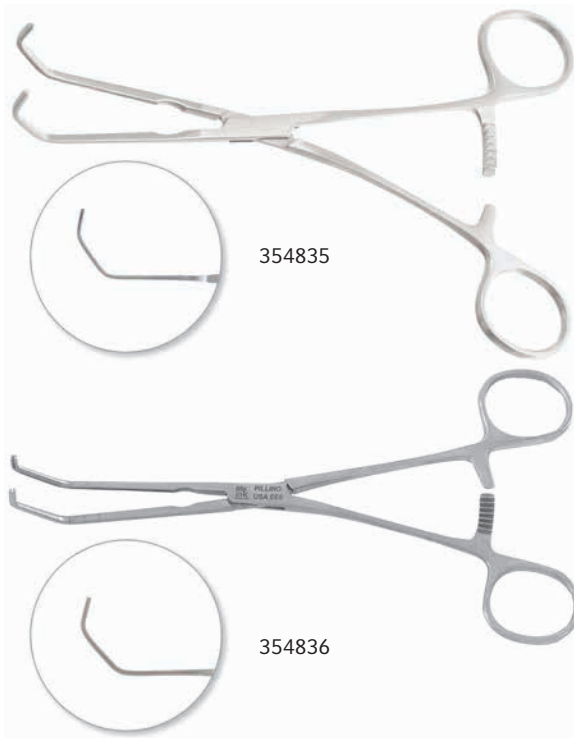
ITEM #	DESCRIPTION
354830	Angled 90 degrees, small jaws, 6-3/4" (17 cm)



VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

COOLEY PEDIATRIC CARDIOVASCULAR CLAMPS



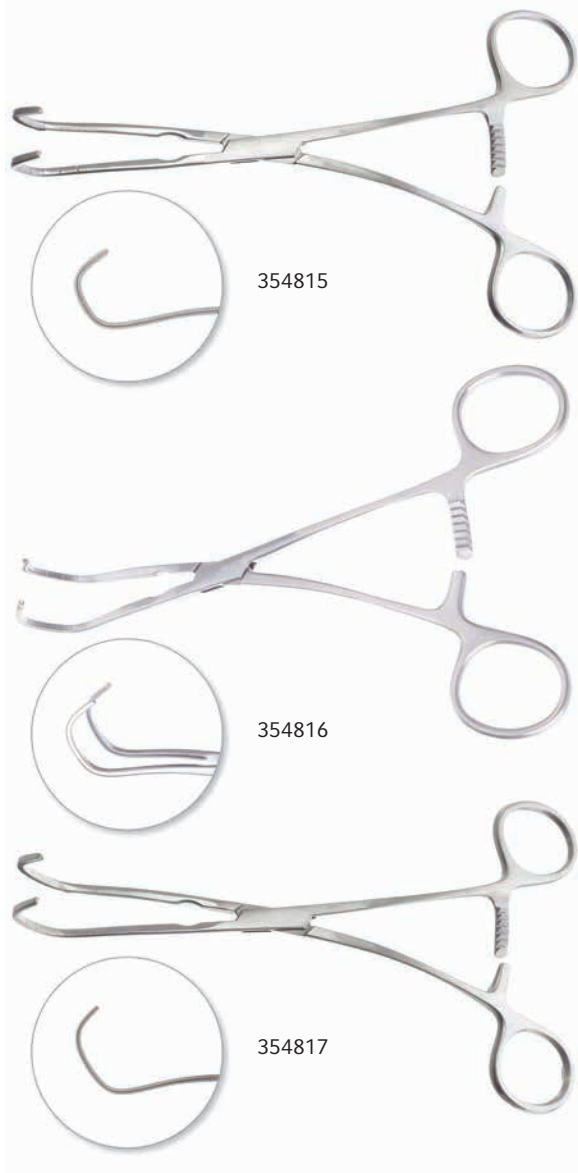
ITEM #	DESCRIPTION
354835	Angled shafts, small, double angled 60 degree calibrated jaw, 7-1/8" (18 cm)
354836	Angled shafts, large, double angled 60 degree calibrated jaw, 7-1/8" (18 cm)



VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

COOLEY PEDIATRIC DERRA CLAMPS



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

ITEM #	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

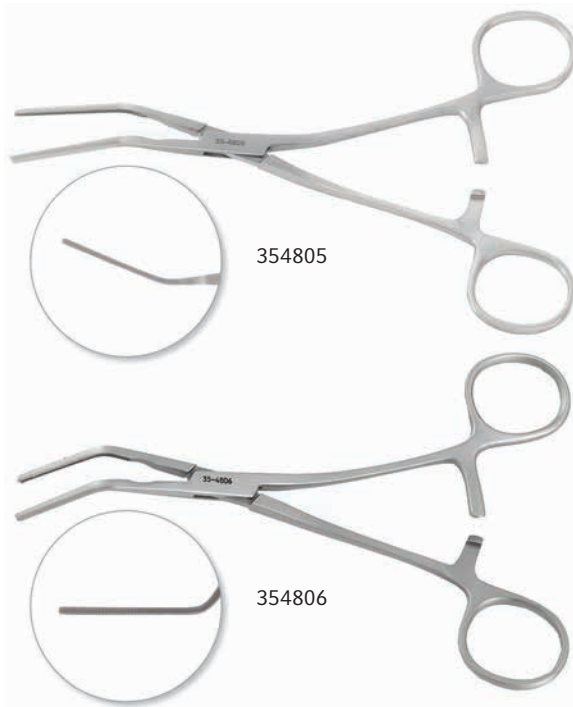
Pediatric Clamps, Cooley-Type Jaw

COOLEY PEDIATRIC MODIFIED ANASTOMOSIS CLAMP



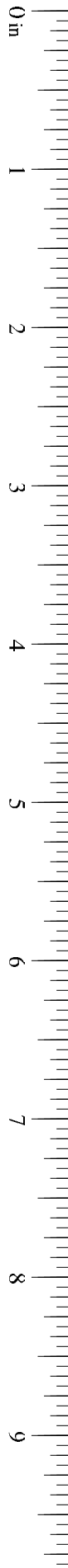
ITEM #	DESCRIPTION
354847	30 degree side angle, calibrated 5/8" (1.5 cm) jaw, spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)

COOLEY PEDIATRIC MULTIPURPOSE CLAMPS



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

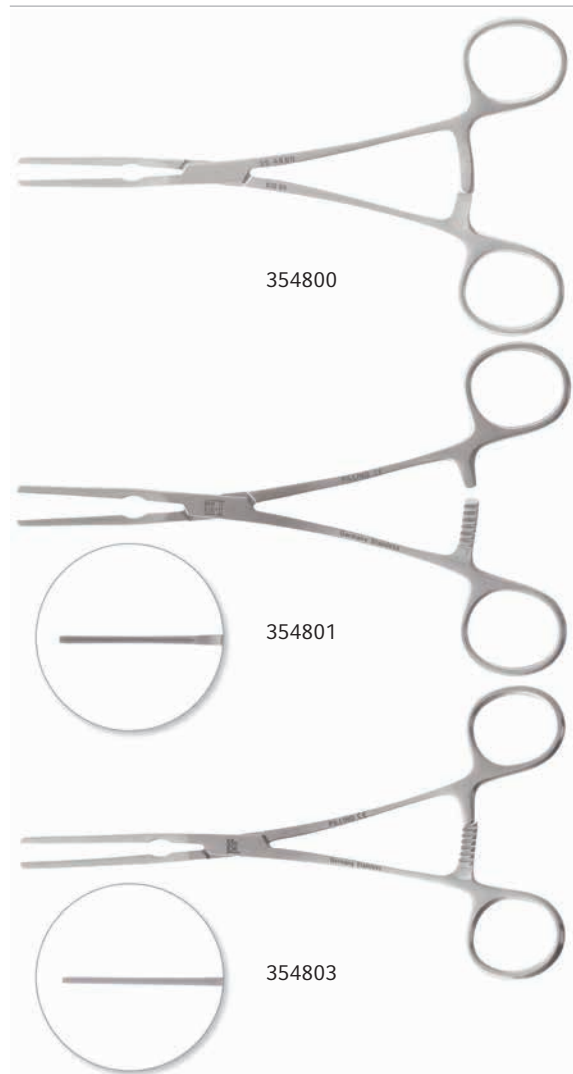
ITEM #	DESCRIPTION
354805	30 degree angled, calibrated 3/4" (2 cm) jaw, 6-3/4" (17 cm)
354806	60 degree angled, calibrated 1-1/4" (3.5 cm) jaw, 6-1/2" (16.5 cm)
354807	90 degree angled, calibrated 1-1/2" (4 cm) jaw, 5-3/4" (14.5 cm)



VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw

COOLEY PEDIATRIC PATENT DUCTUS CLAMPS



Spring handle, 1 x 7 ratchets.

ITEM #	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



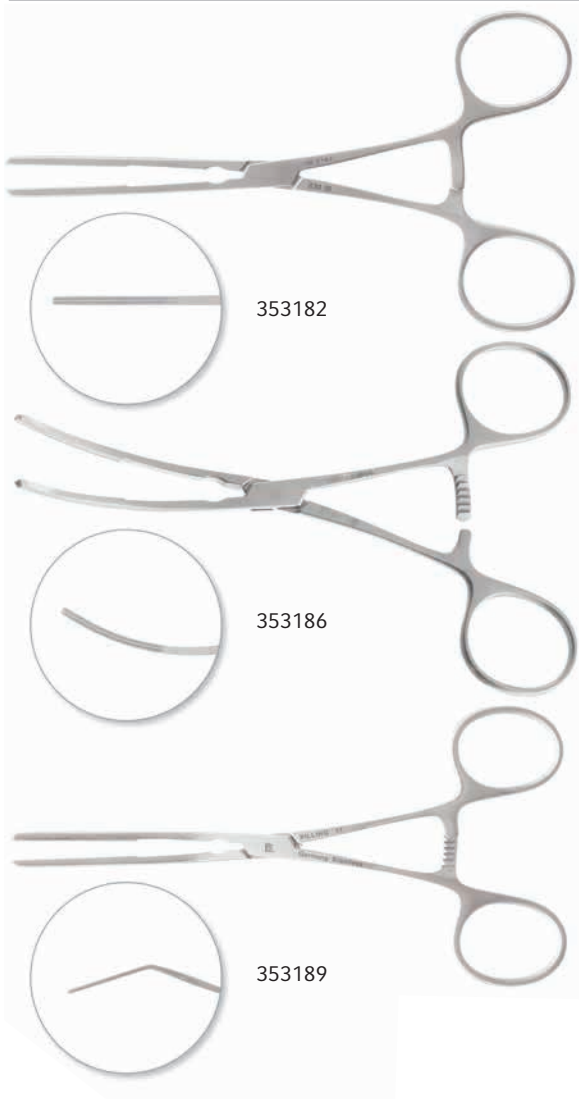
ITEM #	DESCRIPTION
354808	Spoon-shaped, 5 mm calibrated jaws, straight handles, 7-1/8" (18 cm)



VASCULAR CLAMPS

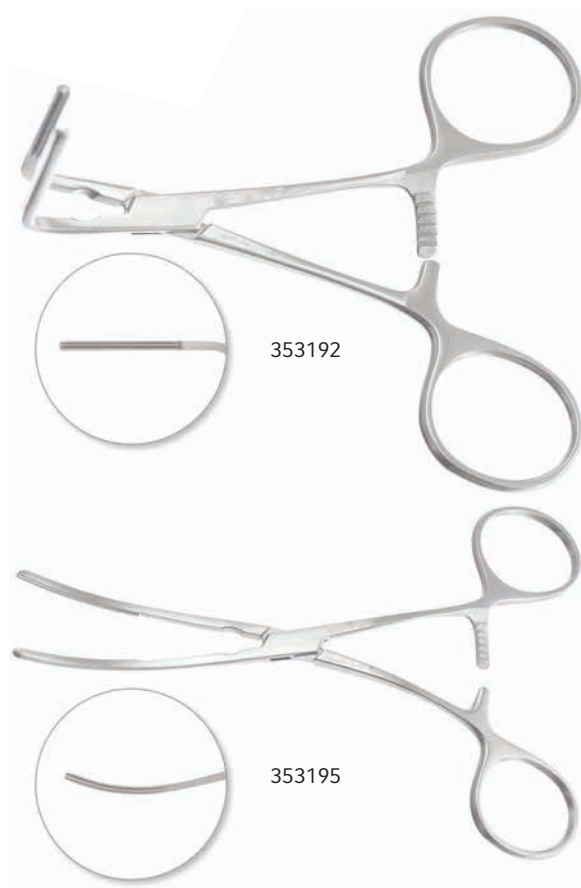
Ring Handled Bulldog® Clamps

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.

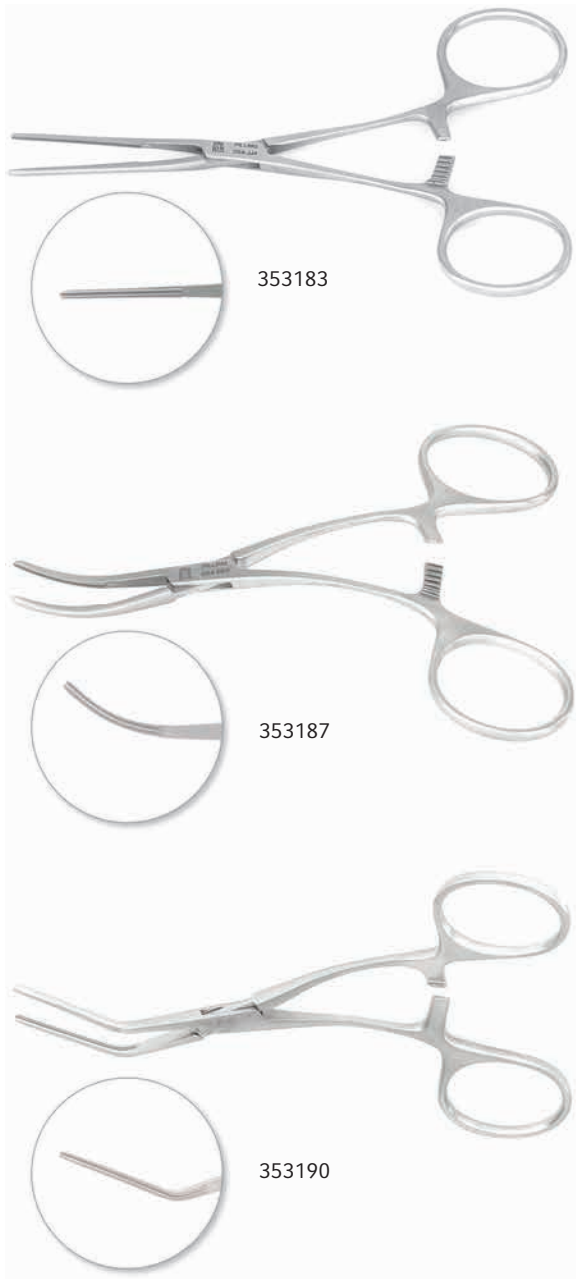
ITEM #	DESCRIPTION
353182	Straight, 2-1/4" (5.5 cm) jaw, 5-3/8" (13.5 cm)
353186	Curved, 2-3/8" (6 cm) jaw, 5-3/8" (13.5 cm)
353189	Angled 45 degrees, jaws 1-3/16" (3 cm) past angle, curved shafts, 5-3/8" (13.5 cm)
353192	Angled 90 degrees, jaws 1-3/4" (4.5 cm) past angle, straight shafts, 4-1/8" (10.5 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.

ITEM #	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

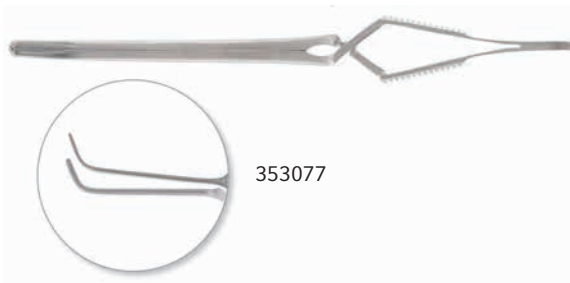
CALMAN CAROTID BULLDOG® CLAMPS



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.

ITEM #	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



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

GREGORY CAROTID ANGLED BULLDOG® CLAMP

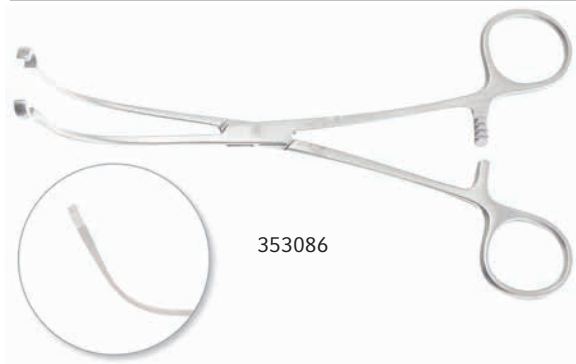


ITEM #	DESCRIPTION
353078	1/2" (12 mm) distal tip, DeBakey®-type Jaw, 4-1/2" (11.5 cm)

VASCULAR CLAMPS

Carotid Clamps

JAVID CAROTID SHUNT CLAMPS



ITEM #	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



ITEM #	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.

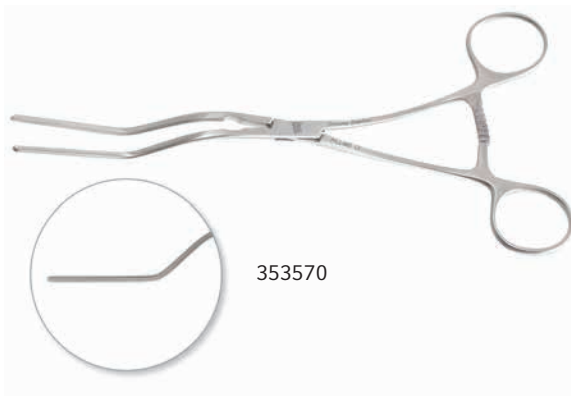
ITEM #	DESCRIPTION
355196	5-7/8" (15 cm)



VASCULAR CLAMPS

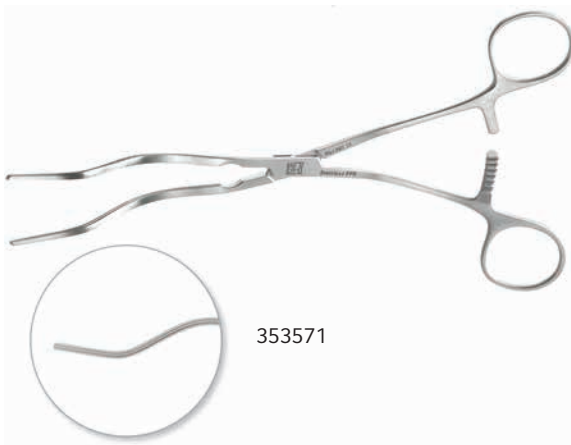
Carotid Clamps

WYLIE EXTERNAL CAROTID CLAMP



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

WYLIE INTERNAL CAROTID CLAMP



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

WYLIE HYPOGASTRIC CLAMP



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

VASCULAR CLAMPS

Carotid Clamps

DOERING CAROTID END POINT MICRO RONGEUR FORCEPS

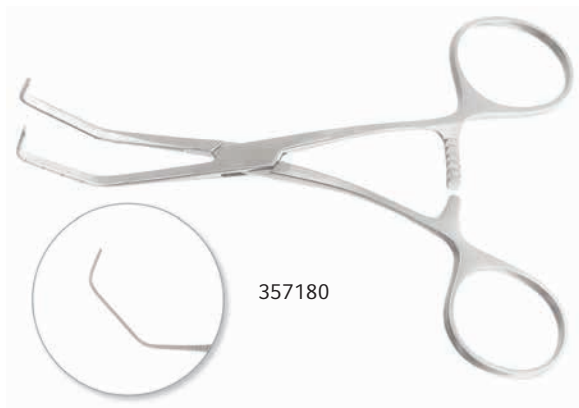


Spring handled rongeur forceps with a 2.5 mm cup to nip end point plaque during carotid endarterectomy.

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

Carotid Clamps, 1 mm Jaw

CALMAN CLAMP



ITEM #	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



ITEM #	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



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

THOMPSON CLAMP



ITEM #	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



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

THOMPSON CAROTID CLOSURE CLAMP



ITEM #	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.

ITEM #	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

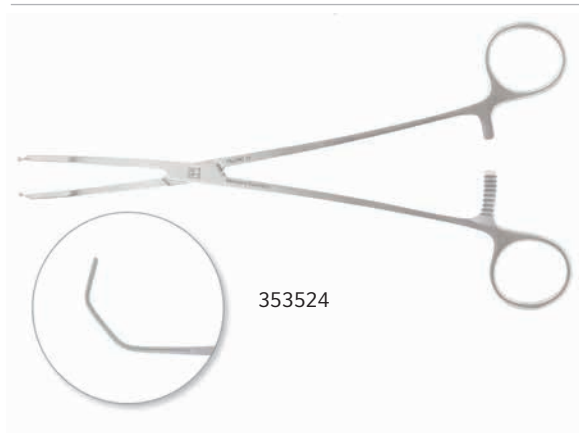
Renal Clamps

DEBAKEY® RENAL ARTERY CLAMP



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

STONEY SPLENO-RENAL SHUNT CLAMP

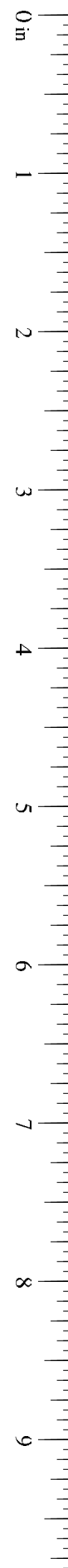


ITEM #	DESCRIPTION
353524	Long, extra-fine DeBakey®-type Jaw, spring handle, 1 x 9 ratchets, 9-1/4" (23.5 cm)

WIRTHLIN SPLENO-RENAL SHUNT CLAMP



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





VASCULAR CLAMPS

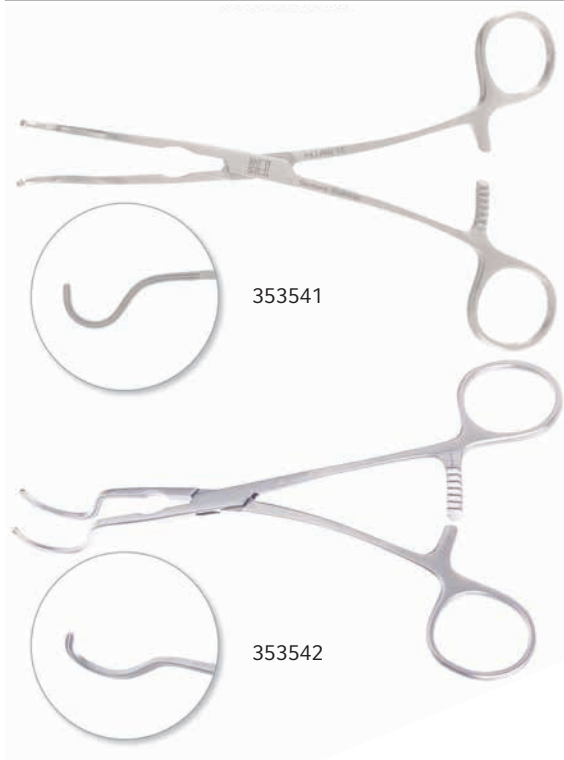
Femoral-Popliteal Clamps

DALE FEMORAL-POPLITEAL ANASTOMOSIS CLAMP



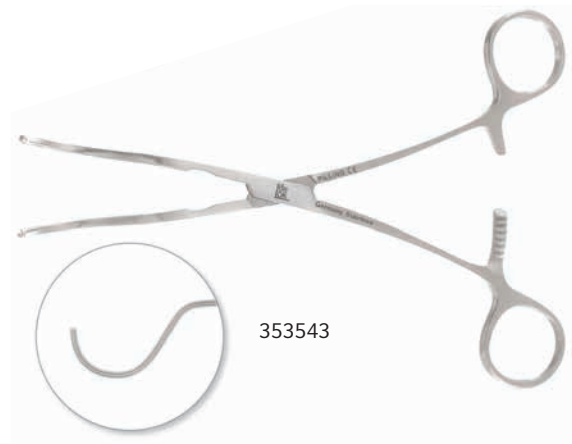
ITEM #	DESCRIPTION
353528	DeBakey®-type Jaw, spring handle, 1 x 7 ratchets, 7-3/8" (19 cm)

DALE FEMORAL-POPLITEAL CLAMPS



Spring handle, 1 x 7 ratchets.

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



VASCULAR CLAMPS

Femoral-Popliteal Clamps

DEMOS TIBIAL ARTERY CLAMP

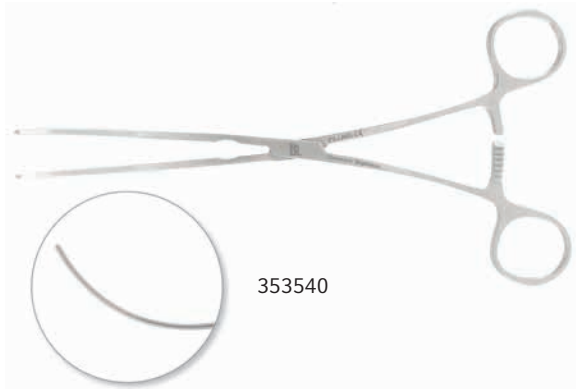


Specially angled in the plane of the handle, this clamp reduces the tendency to twist or distort a vessel in procedures requiring distal popliteal or tibial occlusion.

ITEM #	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



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



VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY® ANGLED PERIPHERAL VASCULAR CLAMP



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

DEBAKEY® AORTIC EXCLUSION CLAMP



Very light construction. Jaws and shafts curved to form an acute "S" shape. Spring handles.

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

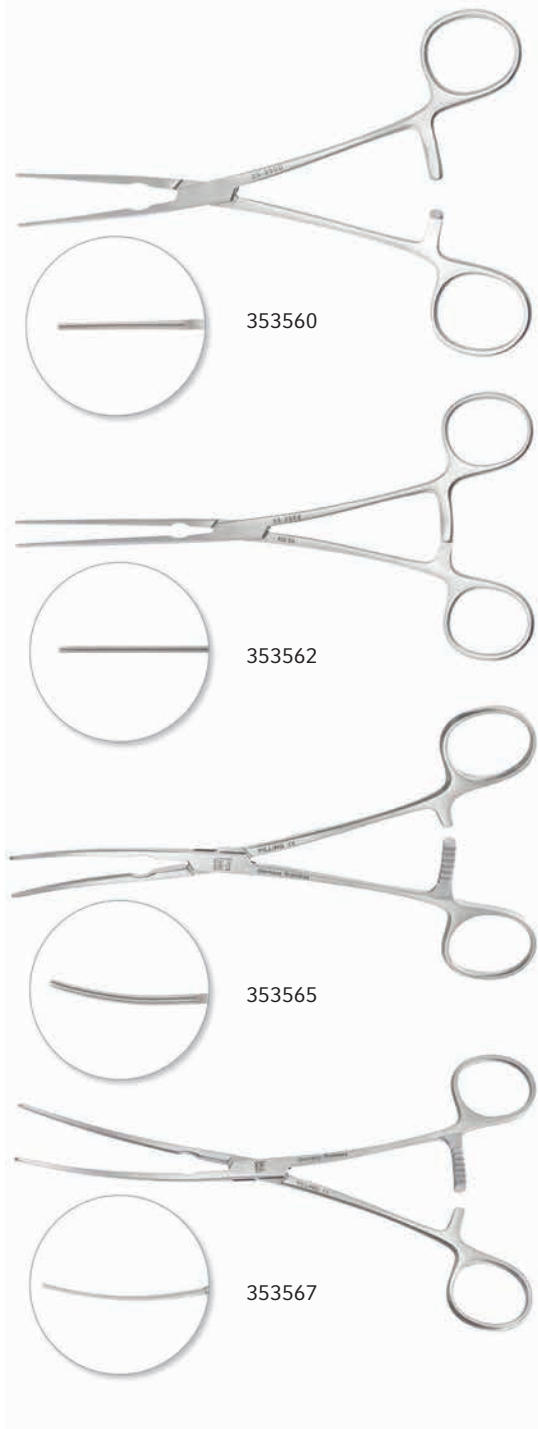
VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY® BAINBRIDGE VASCULAR CLAMPS

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

ITEM #	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)

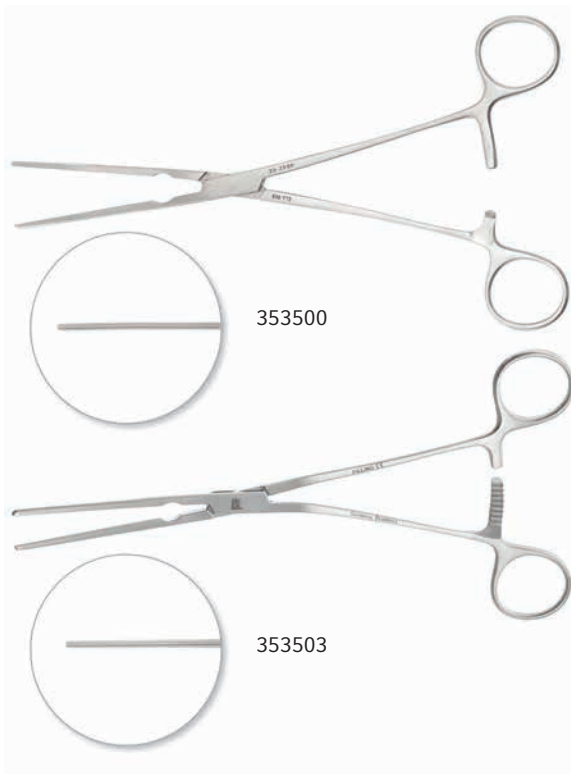




VASCULAR CLAMPS

Peripheral Vascular Clamps

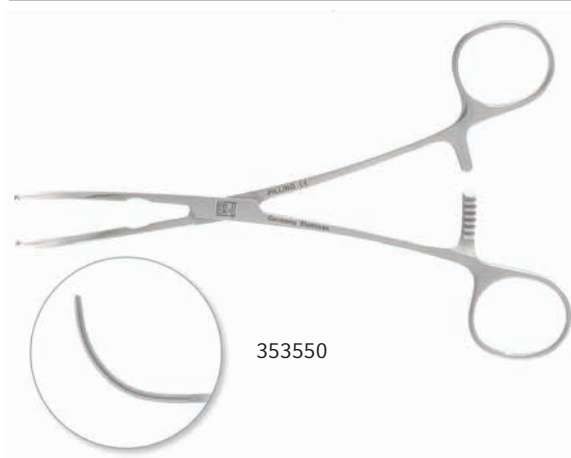
DEBAKEY® COARCTATION CLAMPS



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.

ITEM #	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



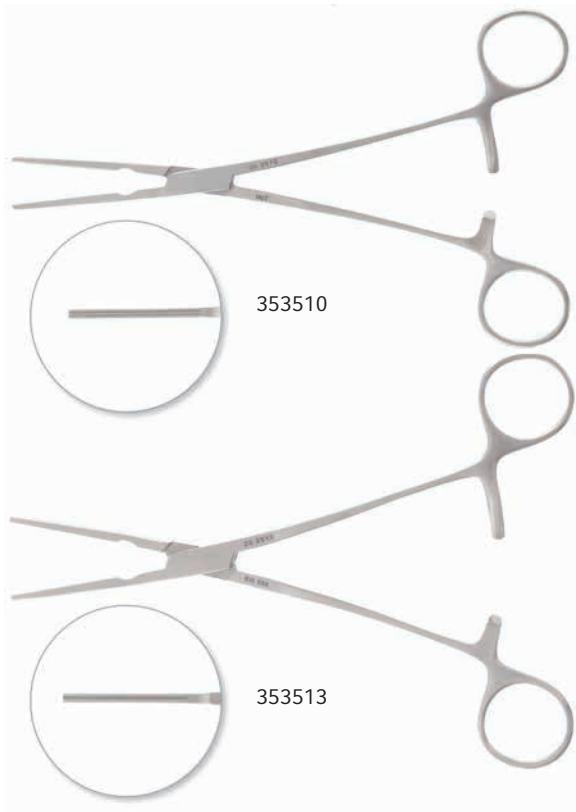
ITEM #	DESCRIPTION
353550	Long, DeBakey®-type Jaw, spring handle, 1 x 7 ratchets, 6-3/4" (17 cm)



VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY® PATENT DUCTUS CLAMPS



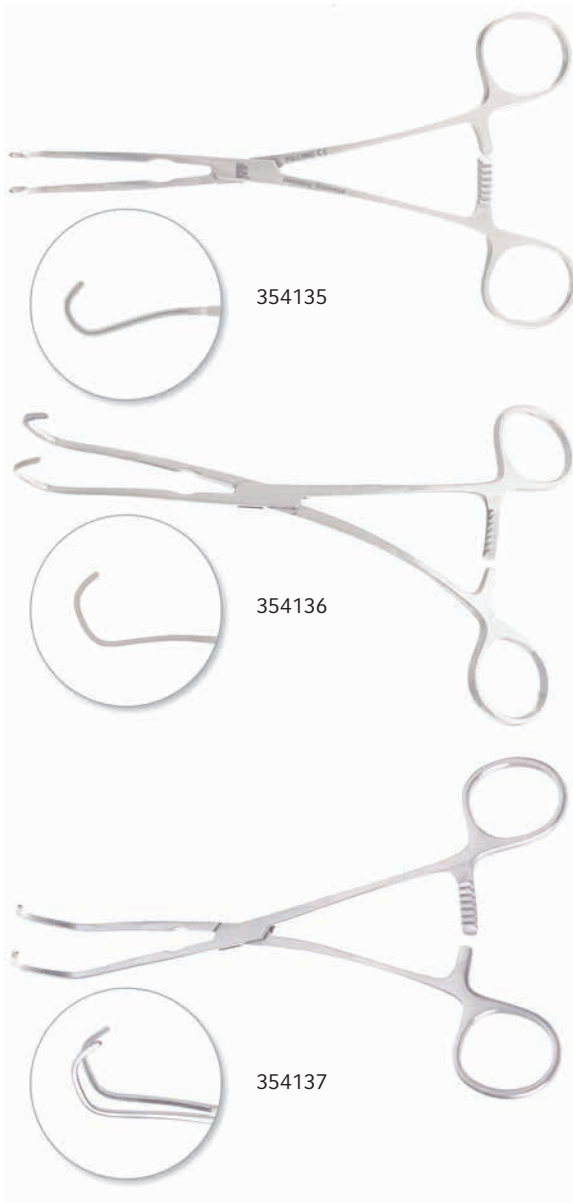
Long, DeBakey®-type Jaw, spring handle, 1 x 9 ratchets.

ITEM #	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.

ITEM #	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

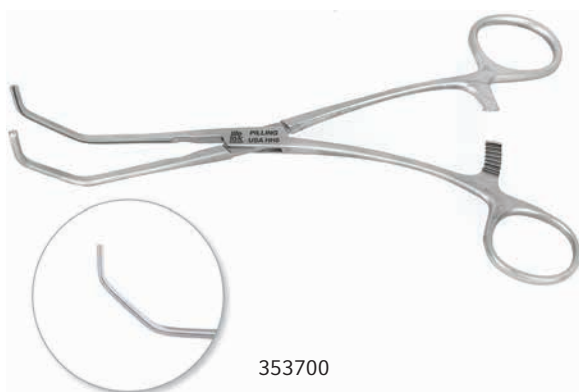
Peripheral Vascular Clamps

DIETHRICH CAVAL OCCLUSION CLAMP



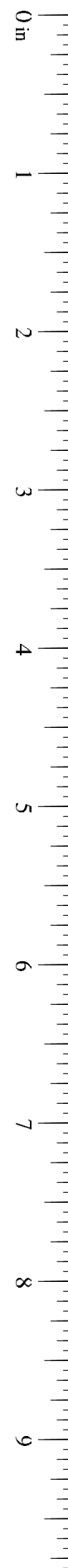
ITEM #	DESCRIPTION
353536	9-3/4" (25 cm)

DIETHRICH CORONARY ARTERY CLAMP



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

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

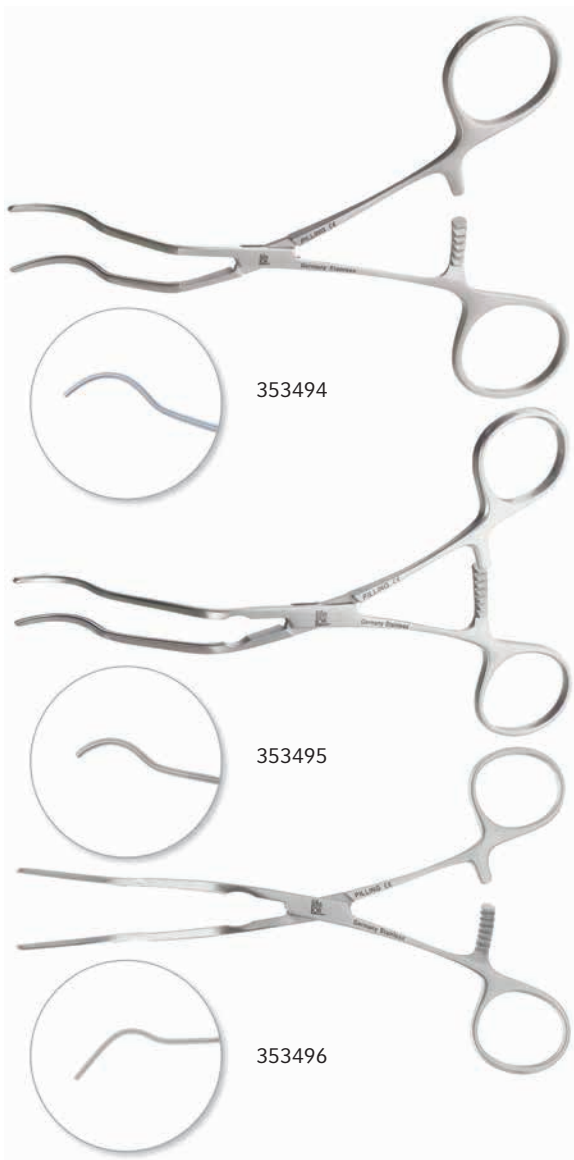




VASCULAR CLAMPS

Peripheral Vascular Clamps

GREGORY PROFUNDA CLAMPS



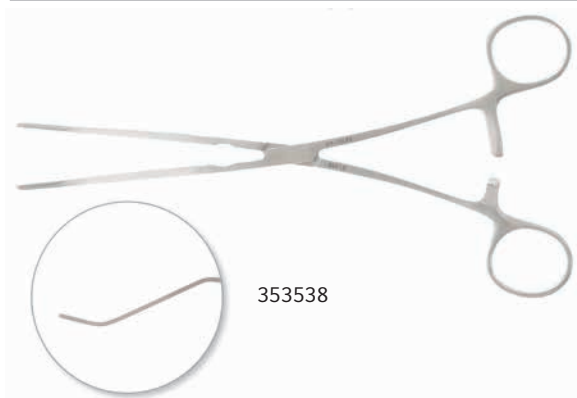
DeBakey®-type Jaw, 1 x 6 ratchets.

ITEM #	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

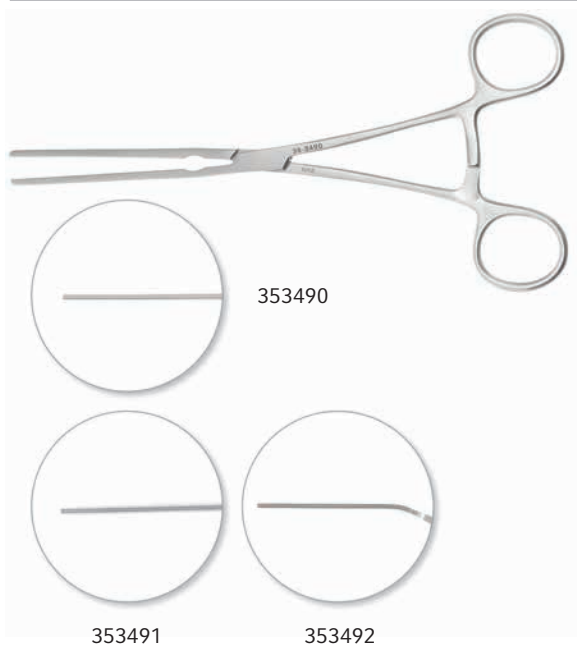
HENLY SUBCLAVIAN ARTERY CLAMP



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.

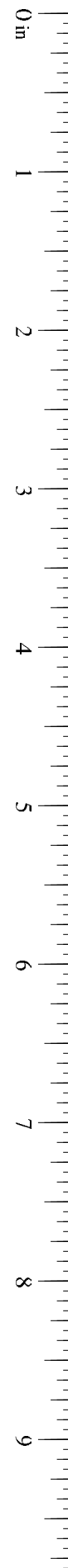
ITEM #	DESCRIPTION
353538	8-3/8" (21 cm)

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.

ITEM #	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

MITCHEL-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.

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

Cooley Vascular Clamps

COOLEY CAROTID, SUBCLAVIAN AND RENAL CLAMP



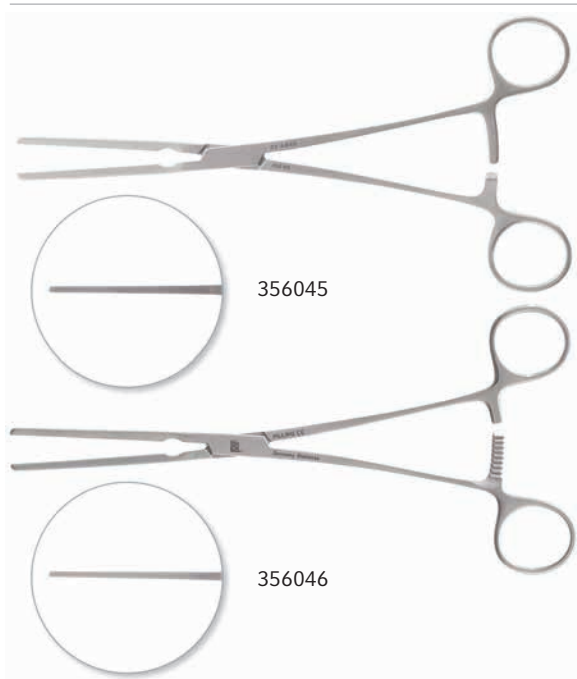
Long, slender clamp with jaws calibrated on outer sides from distal tip. Curved shafts, angled tips.

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

VASCULAR CLAMPS

Cooley Vascular Clamps

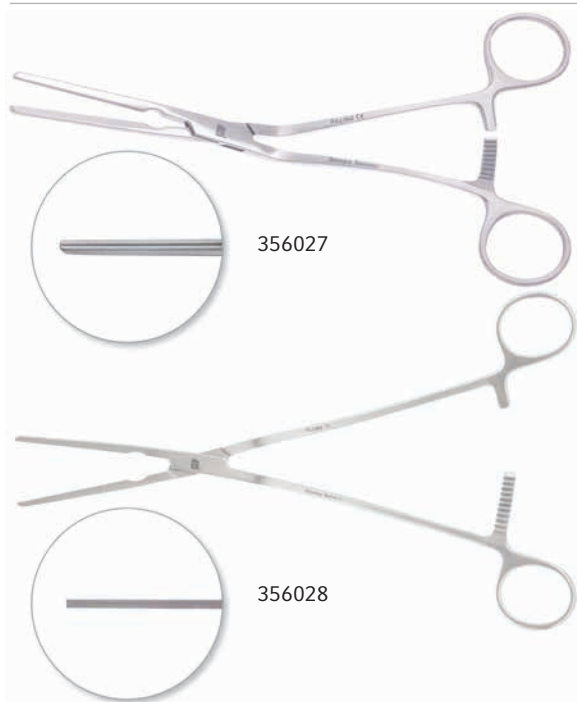
COOLEY COARCTATION CLAMPS



Standard length.

ITEM #	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.

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



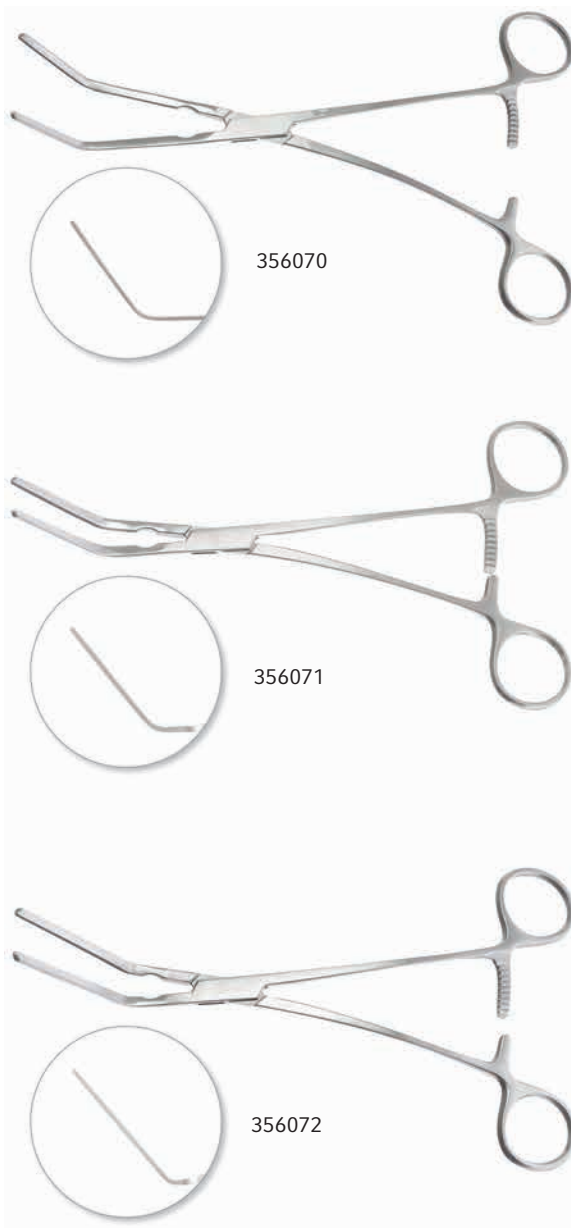
VASCULAR CLAMPS

Cooley Vascular Clamps

COOLEY JAW MULTIPURPOSE CLAMPS

60 degree angled jaws with curved shafts.

ITEM #	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)

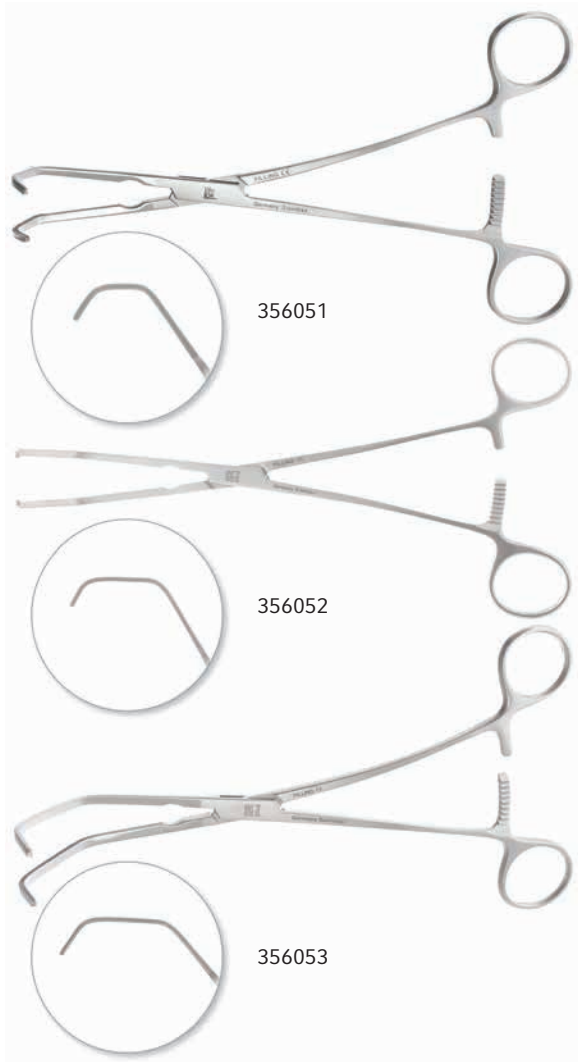




VASCULAR CLAMPS

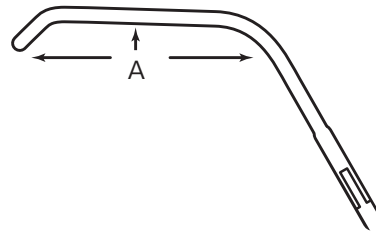
Cooley Vascular Clamps

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.

ITEM #	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)

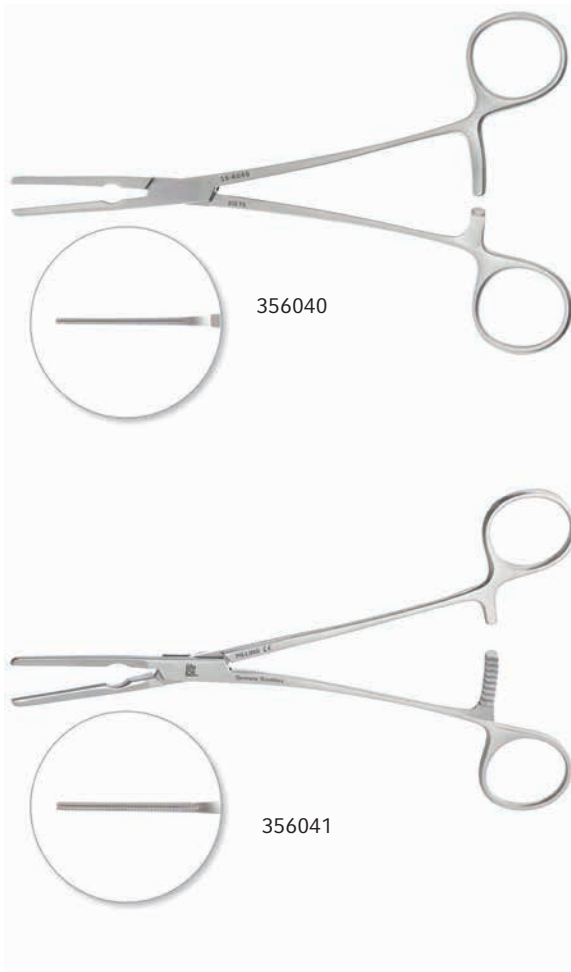




VASCULAR CLAMPS

Cooley Vascular Clamps

COOLEY PATENT-DUCTUS CLAMPS



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

VASCULAR CLAMPS

Cooley Vascular Clamps

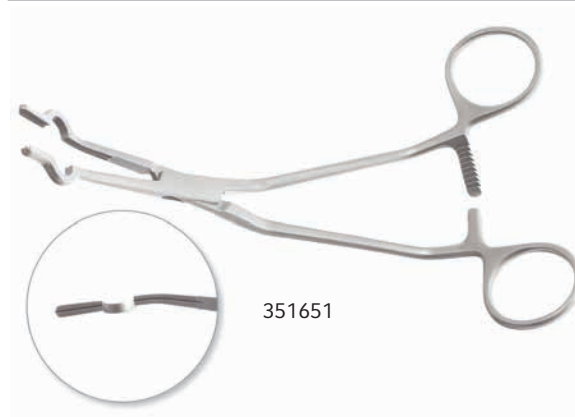
COOLEY PERIPHERAL VASCULAR CLAMPS



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

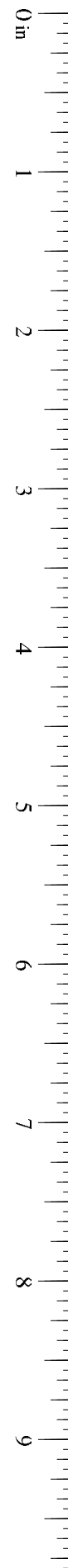
ITEM #	DESCRIPTION
356025	Angled, 7-1/2" (19 cm)
356031	Curved, 6-3/4" (17 cm)

COOLEY VENA CAVA CLAMPS

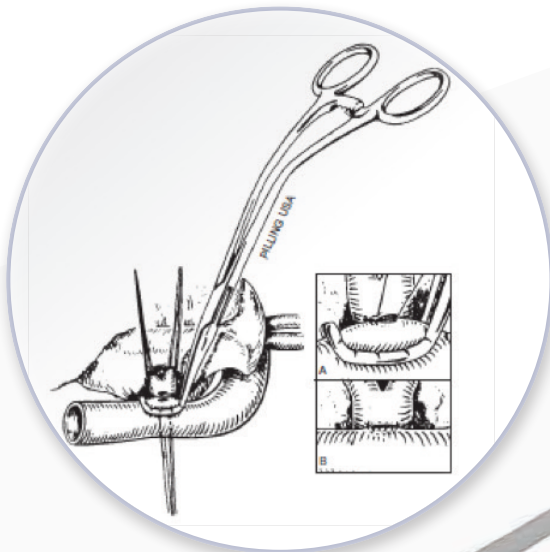


Occludes the vena cava and allows bloodflow through the cannula or catheter.

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

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

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

Many styles of DeBakey® –type Clamps are available with spring handles. With this construction feature, a portion of the shaft is flattened or otherwise altered and specially tempered to eliminate rigidity and provide a softness proportionate with the

overall size and purpose of the instrument. The intention is to minimize trauma to vessels with the soft spring handles but hold securely with DeBakey® –type Jaws.

HISTORY AND ACHIEVEMENTS

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

THE PILLING® BRAND ADVANTAGE

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

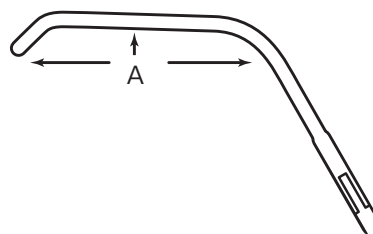
ITEM #	DESCRIPTION
353623	Curved, DeBakey® Jaw, 2-3/4" (7 cm), 9" (23 cm)

BAILEY AORTA CLAMPS



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

ITEM #	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)

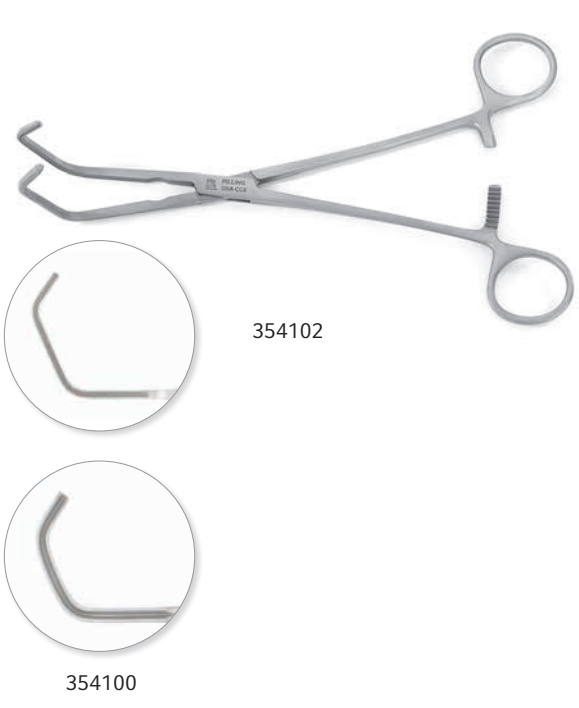




VASCULAR CLAMPS

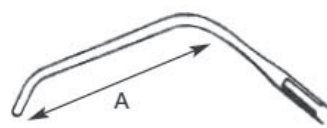
Aortic Vascular Clamps

BECK-TYPE AORTA CLAMPS

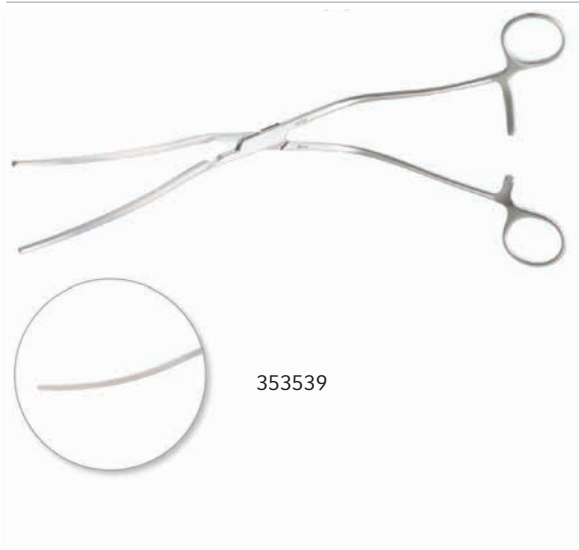


DeBakey®-type Jaws, acutely angled at approximately 65 degrees. Straight shafts.

ITEM #	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.

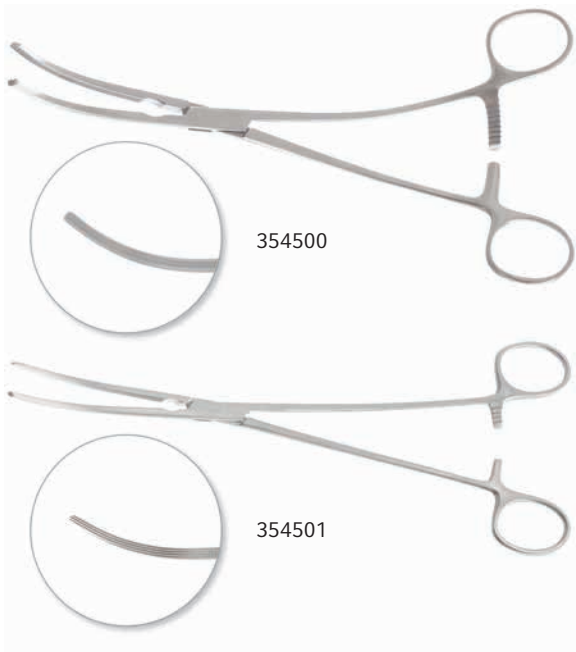
ITEM #	DESCRIPTION
353539	Curved, 2 x 3 DeBakey®-type Jaw, 50 degree handle, LIFE-LOK® Box Lock, 12-1/4" (31 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

CRAFOORD COARCTATION VASCULAR CLAMPS



ITEM #	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

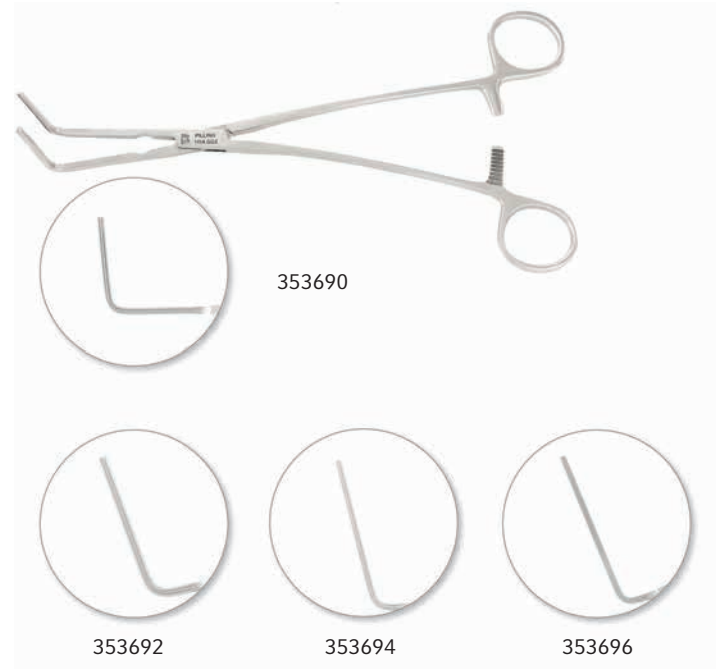
Aortic Vascular Clamps

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.

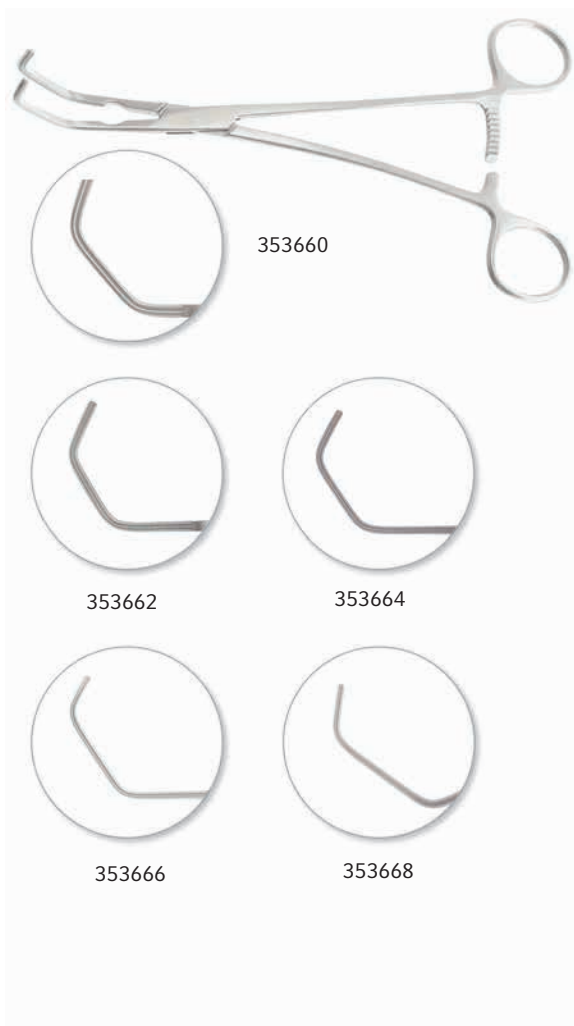
ITEM #	DESCRIPTION
353680	No. 1, 60 degree angle, 1-1/4" (3.5 cm) jaw, 1 x 9 ratchets, 9-1/2" (24 cm)
353682	No. 2, 60 degree angle, 1-3/4" (4.5 cm) jaw, 1 x 9 ratchets, 8-5/8" (22 cm)
353684	No. 3, 60 degree angle, 2" (5 cm) jaw, 1 x 9 ratchets, 9-7/8" (25 cm)
353686	No. 4, 60 degree angle, 3-1/2" (8.9 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.

ITEM #	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



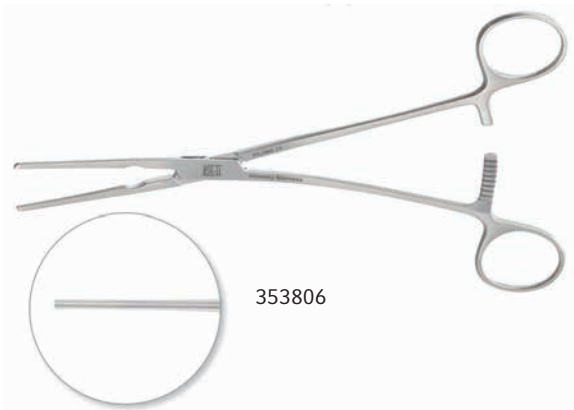
ITEM #	DESCRIPTION
353546	Curved, 1-1/4" (3.5 cm) DeBakey®-type Jaws, 8" (20 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

GERBODE PATENT DUCTUS CLAMP



The Glover Patent Ductus Clamps on page 636 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.

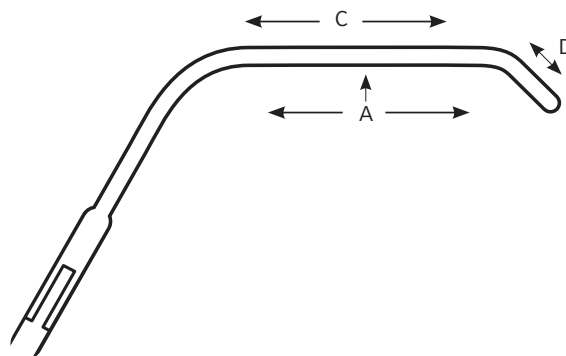
ITEM #	DESCRIPTION
353806	Angled, 8" (20.5 cm)

GLOVER ATRIAL APPENDAGE CLAMP



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

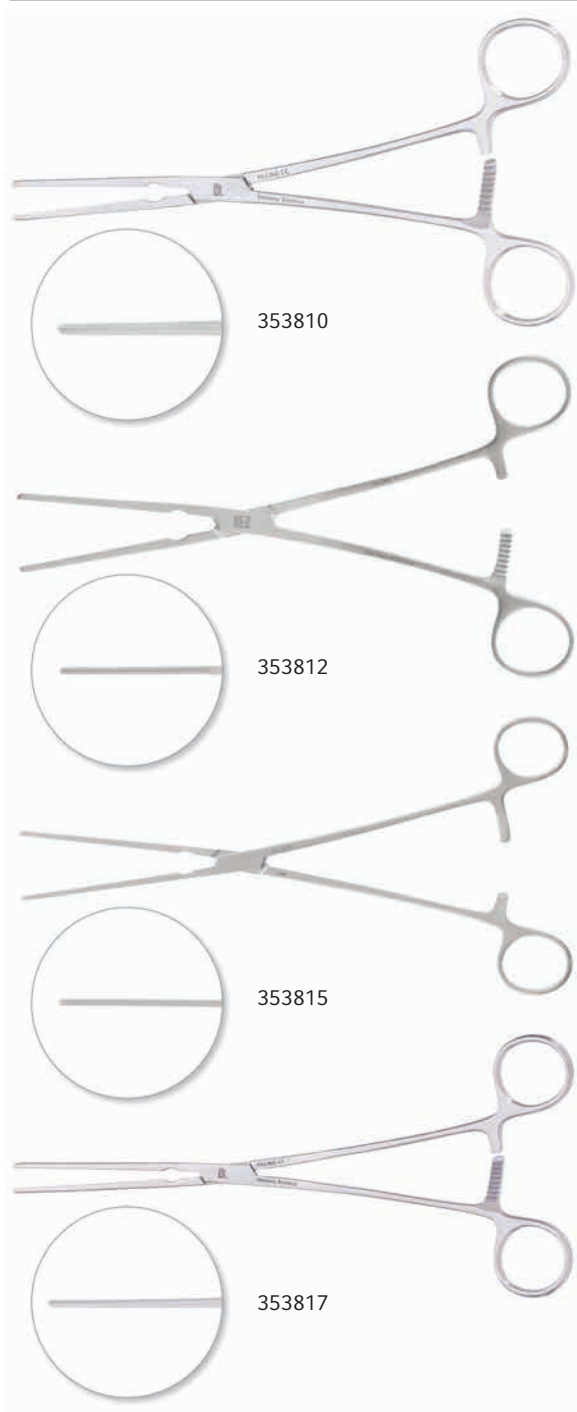
ITEM #	DESCRIPTION
354170	Jaw (A) length 1-11/16" (43 mm), (A) depth 1/4" (7 mm), (C) 1-1/8" (30 mm), (D) 1/2" (13 mm), 9-1/2" (24 cm)



VASCULAR CLAMPS

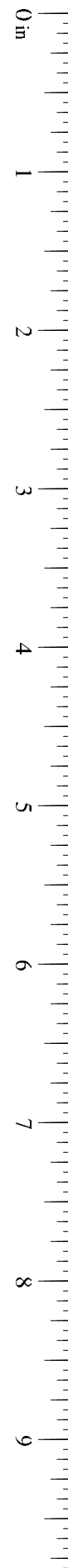
Aortic Vascular Clamps

GLOVER COARCTATION CLAMPS



DeBakey®-type Jaw, 1 x 9 ratchets.

ITEM #	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)

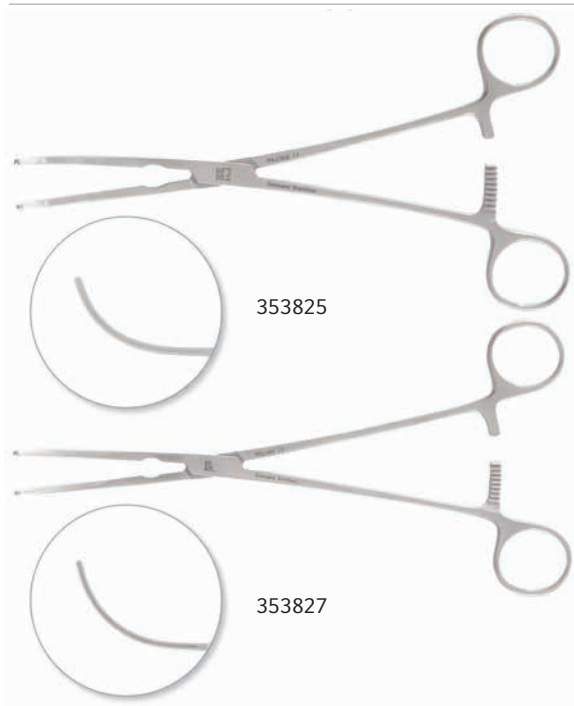




VASCULAR CLAMPS

Aortic Vascular Clamps

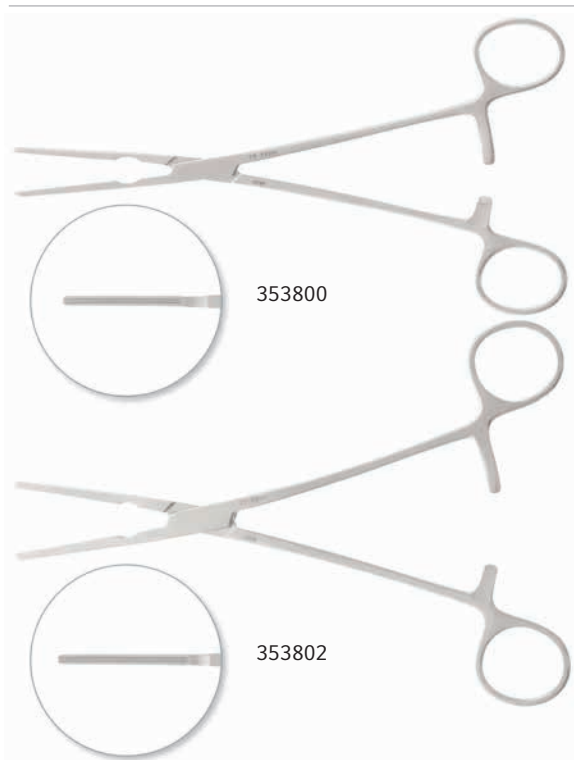
GLOVER CURVED CLAMPS



Curved DeBakey®-type Jaws.

ITEM #	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



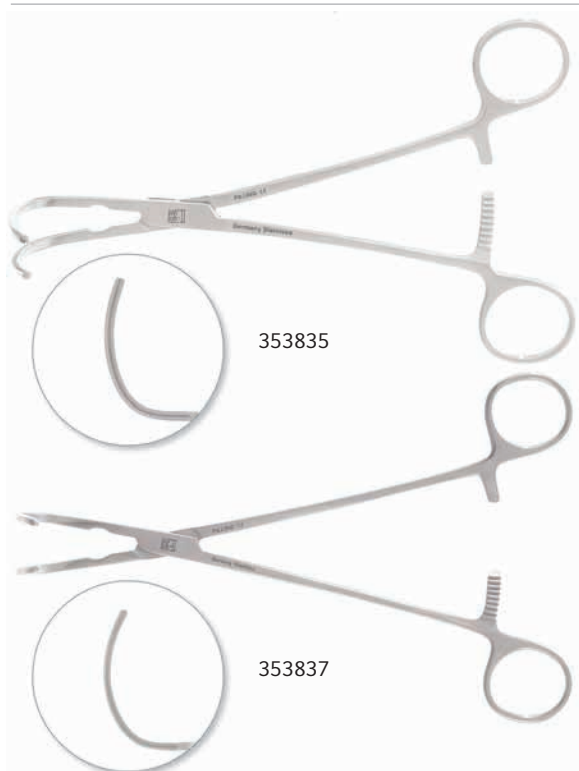
DeBakey®-type Jaws, 1 x 9 ratchets.

ITEM #	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

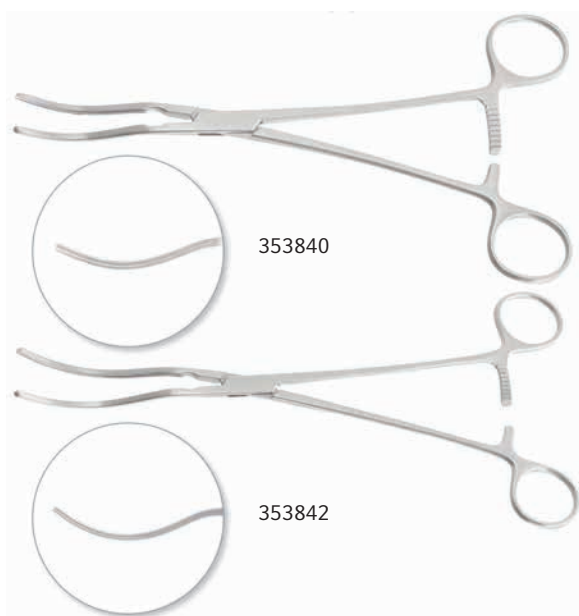
GLOVER RIGHT ANGLE CURVED CLAMPS



Curved DeBakey®-type Jaws.

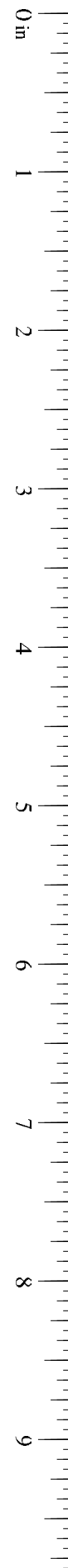
ITEM #	DESCRIPTION
353835	1-7/8" (4.8 cm) jaw, 7-5/8" (19.5 cm)
353837	2-3/8" (6 cm) jaw, 8-7/8" (22.5 cm)

GLOVER SPOON SHAPED CLAMPS



Curved DeBakey®-type Jaws.

ITEM #	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)

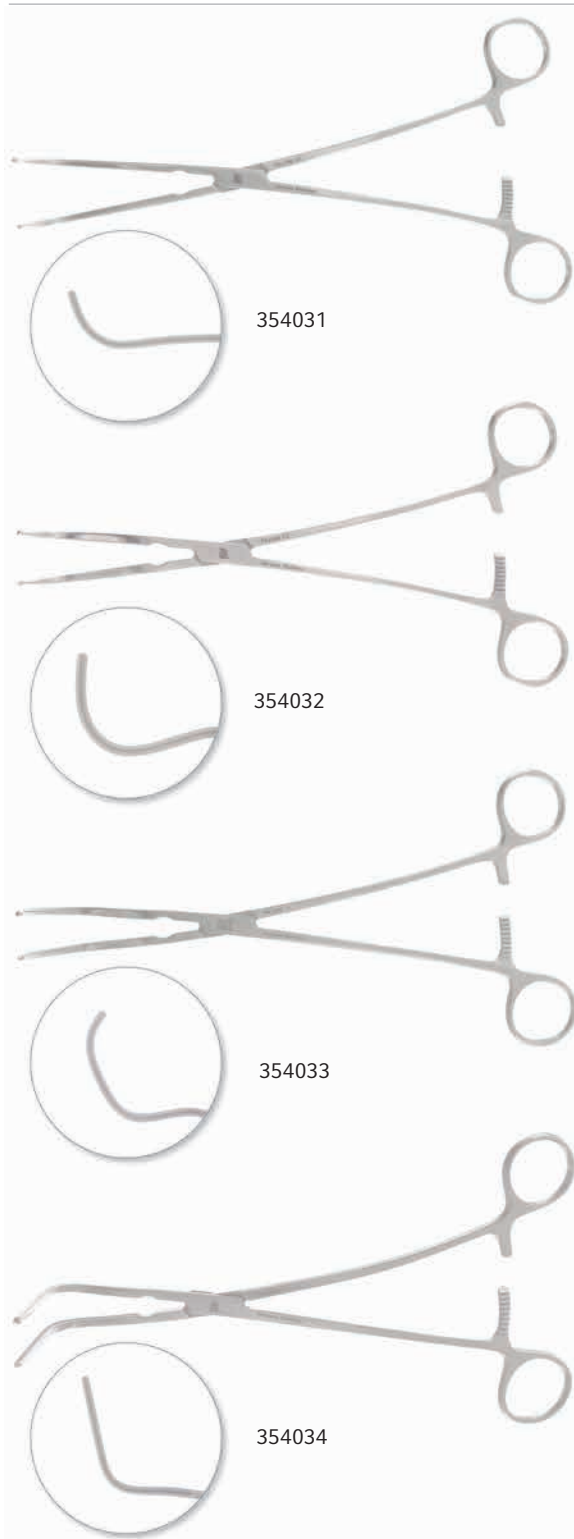




VASCULAR CLAMPS

Aortic Vascular Clamps

HARKEN CLAMPS



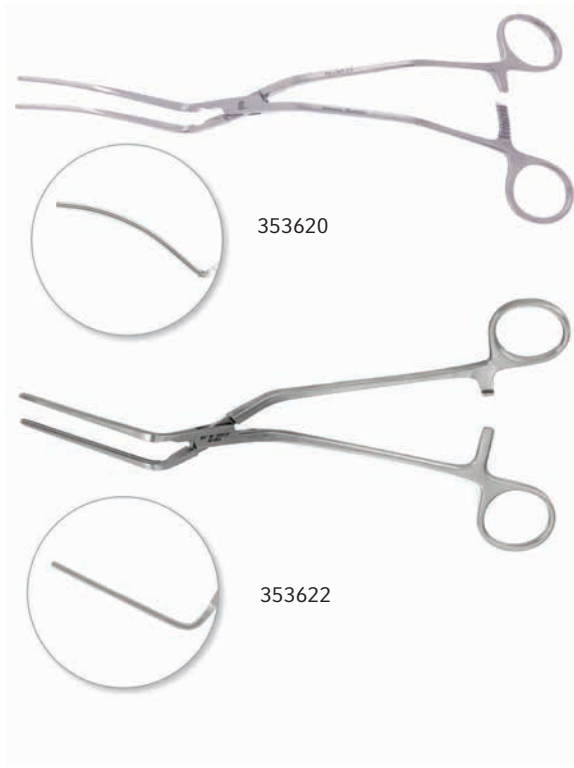
A matched set of four clamps identical in length and weight but with varying DeBakey®-type Jaw shapes.

ITEM #	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.

ITEM #	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)

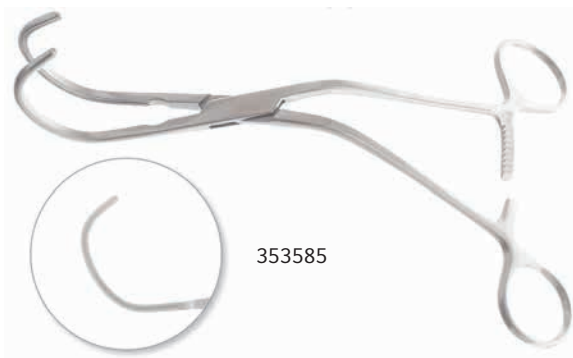


AORTIC VASCULAR CLAMPS

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

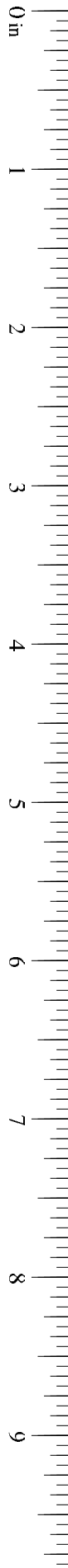


ITEM #	DESCRIPTION
353585	1-3/4" (4.5 cm) jaw, 8-1/8" (20.5 cm)

LAMBERT-KAY AORTIC ANASTOMOSIS CLAMP



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



VASCULAR CLAMPS

Aortic Vascular Clamps

KAY AORTIC ANASTOMOSIS CLAMP



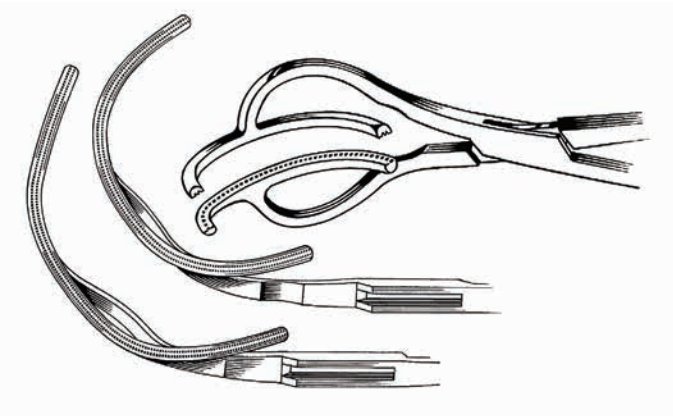
ITEM #	DESCRIPTION
353580	1-1/2" (4 cm) jaw, 7-5/8" (19.5 cm)

LEMOLE-STRONG AORTA CLAMPS



DeBakey®-type Jaw, 1 x 9 ratchets.

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

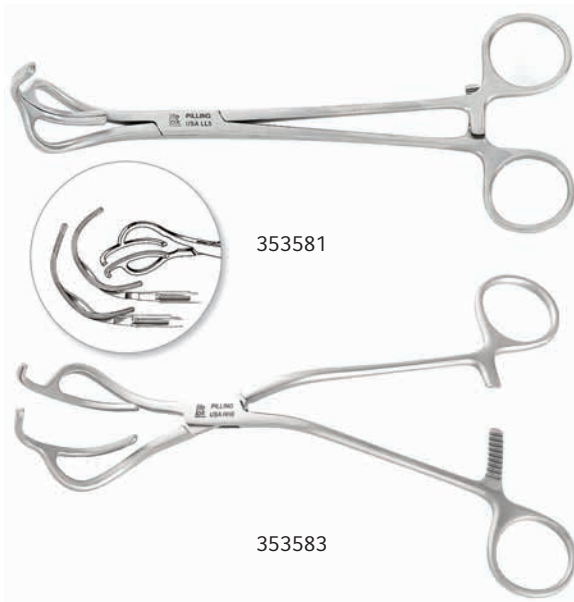




VASCULAR CLAMPS

Aortic Vascular Clamps

STRONG AORTA CLAMPS



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

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

MITCHELL AORTOMY CLAMP

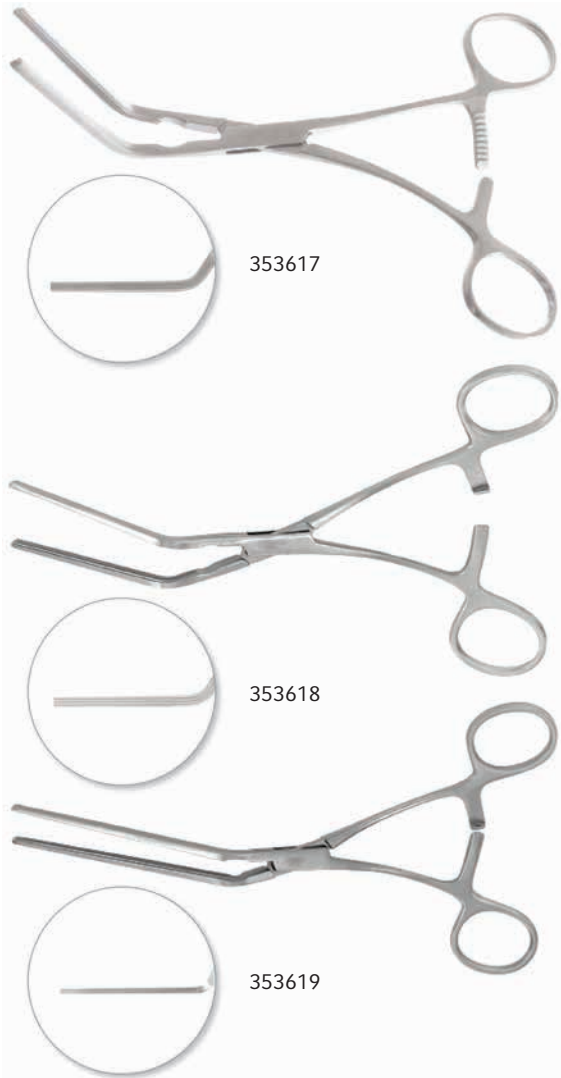


ITEM #	DESCRIPTION
353588	DeBakey®-type Jaws, 1 x 9 ratchets, 8" (20.5 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

MORRIS ASCENDING AORTA CLAMPS



2 x 3 DeBakey®-type Jaws.

ITEM #	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)

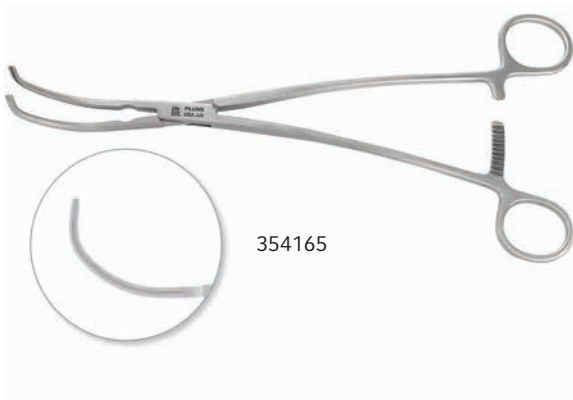




VASCULAR CLAMPS

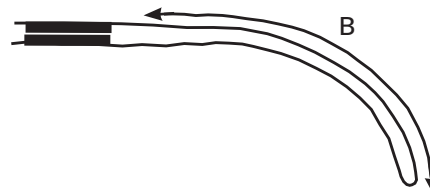
Aortic Vascular Clamps

O'NEILL DOUBLE CURVED CLAMP



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.

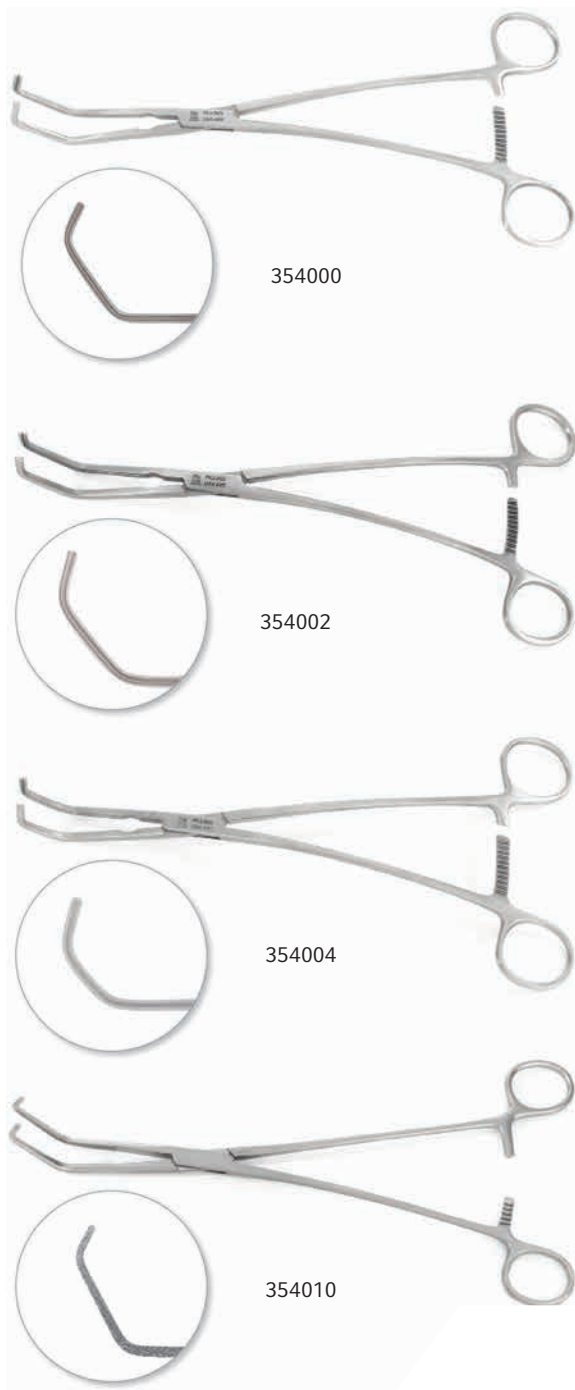
ITEM #	DESCRIPTION
354165	(B) 3-1/8" (80 mm), 10-1/2" (26.5 cm)



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.

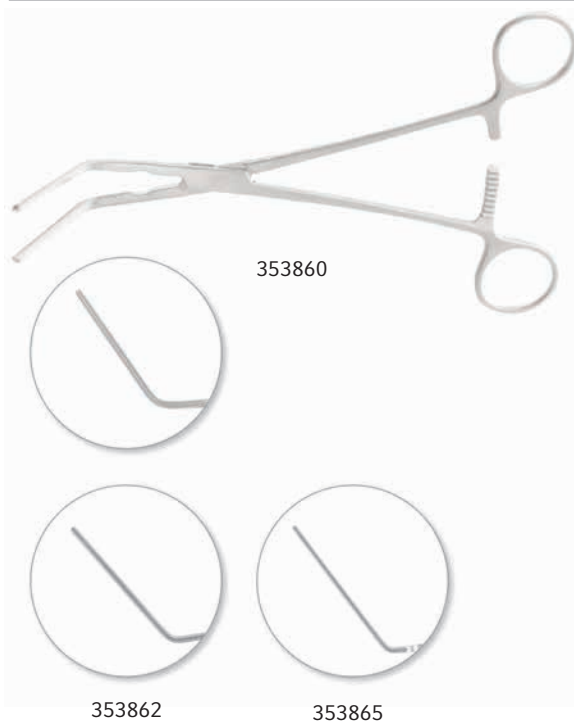
ITEM #	DESCRIPTION
354000	Large, 2" (5 cm) jaw, 10-1/4" (26 cm)
354002	Medium, 1-1/2" (4 cm) jaw, 10" (25.5 cm)
354004	Small, 1-1/4" (3 cm) jaw, 9-3/4" (25 cm)
354005	Set of 3 (354000, 354002, 354004)
354010	Same as Large Satinsky Clamp (354000) except with original criss-cross serrated jaw



VASCULAR CLAMPS

Aortic Vascular Clamps

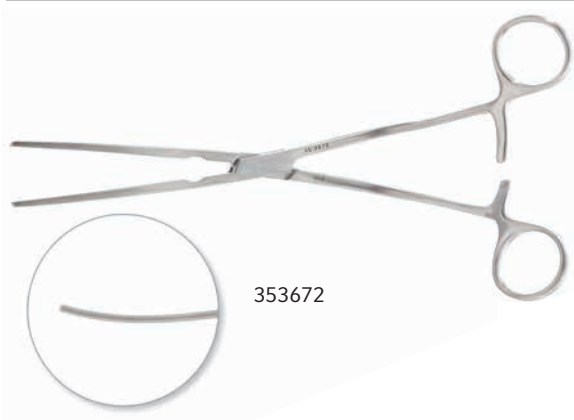
SCHUMAKER ANGULAR AORTA CLAMPS



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

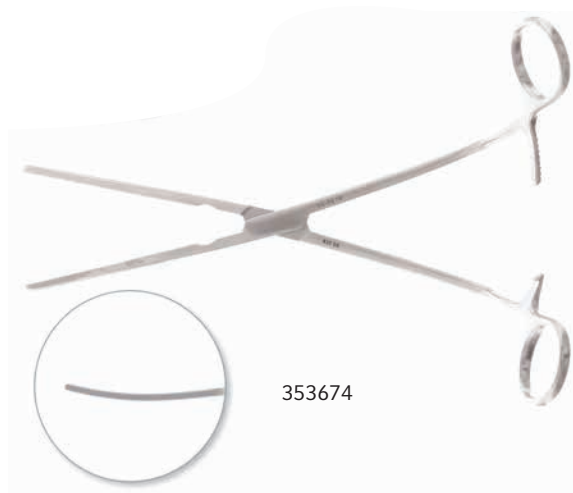
ITEM #	DESCRIPTION
353860	Standard model, jaws 1-1/8" (5.5 cm) past angle, 8-1/2" (21.5 cm)
353862	Standard model, jaws 2-3/4" (7 cm) past angle, 8-7/8" (22.5 cm)
353865	Heavy model, jaws 3-15/16" (10 cm) past angle, jaw width 4 mm, 11-1/4" (28.5 cm)

STONEY DEEP AORTA CLAMPS



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

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





VASCULAR CLAMPS

Aortic Vascular Clamps

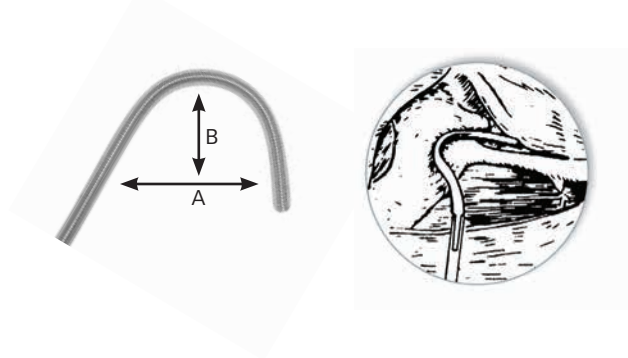
WYLIE "J" AORTIC CLAMPS

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



353655

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



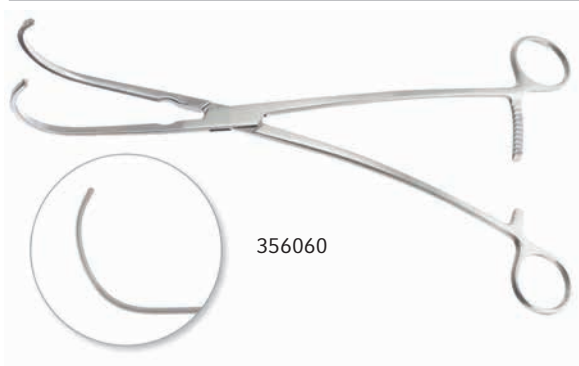
353656



VASCULAR CLAMPS

Aortic Aneurysm Clamps

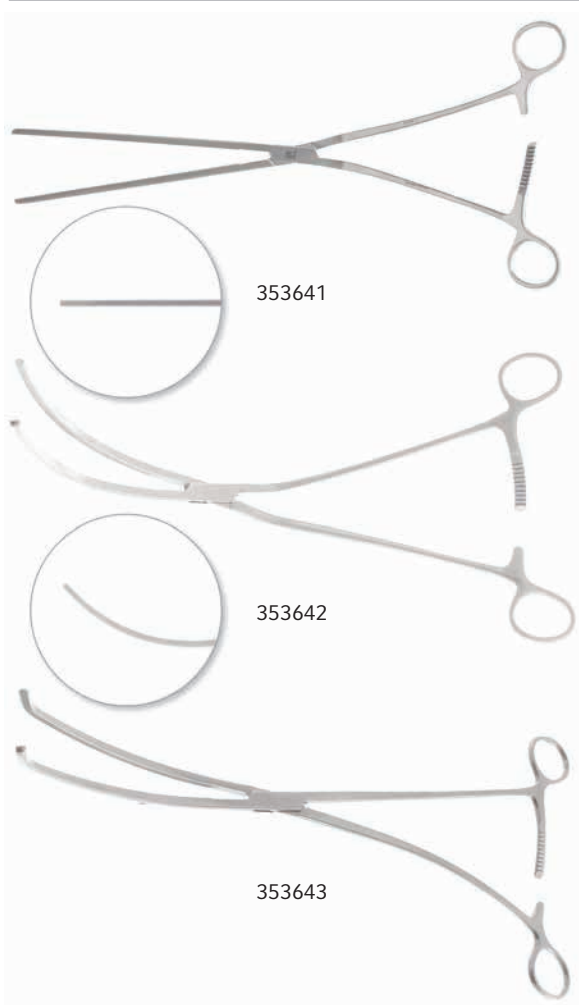
COOLEY AORTA CLAMP



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

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

CRAWFORD THORACO-ABDOMINAL ANEURYSM CLAMPS

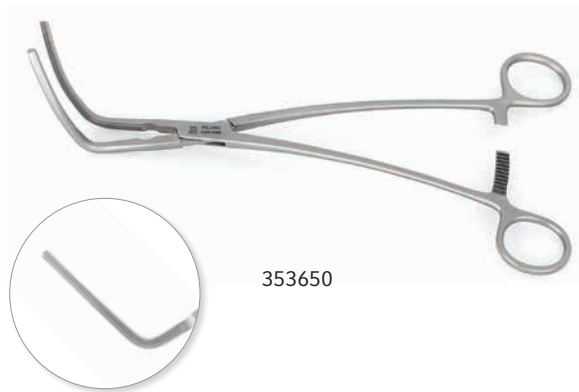


ITEM #	DESCRIPTION
353641	Straight jaw, 6-3/8" (16 cm), 13-1/2" (34 cm)
353642	Curved jaw, angled handle, 12-7/8" (32.5 cm)
353643	"S" curve, angled tip, 13-5/8" (34.5 cm)

VASCULAR CLAMPS

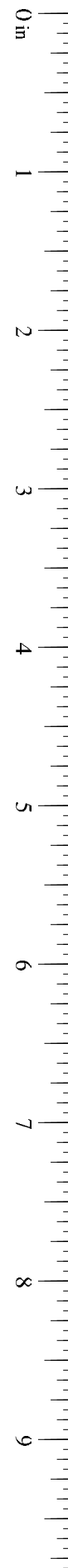
Aortic Aneurysm Clamps

DEBAKEY® AORTA CLAMP



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.

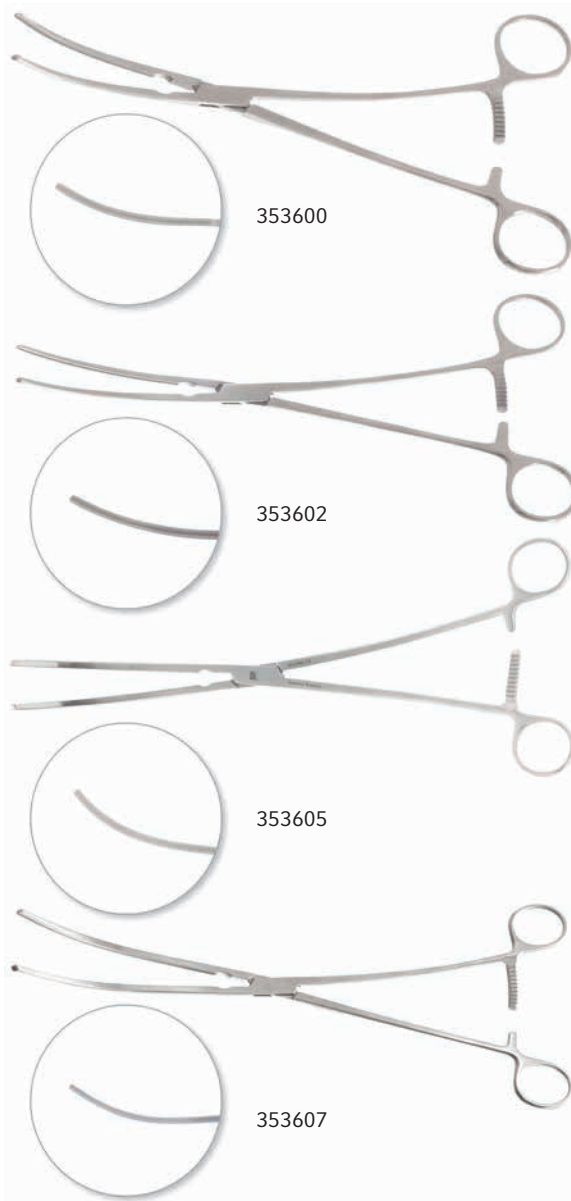
ITEM #	DESCRIPTION
353650	Angled on flat and spoon-shaped, 2-1/2" (6.5 cm) jaw, 1 x 11 ratchets, 10-1/4" (26 cm)



VASCULAR CLAMPS

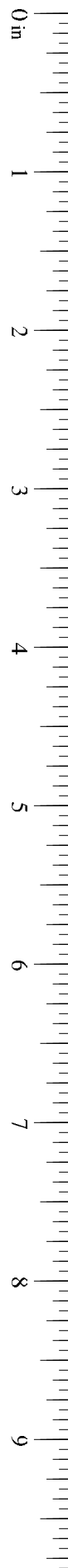
Aortic Aneurysm Clamps

DEBAKEY® AORTIC ANEURYSM CLAMPS



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

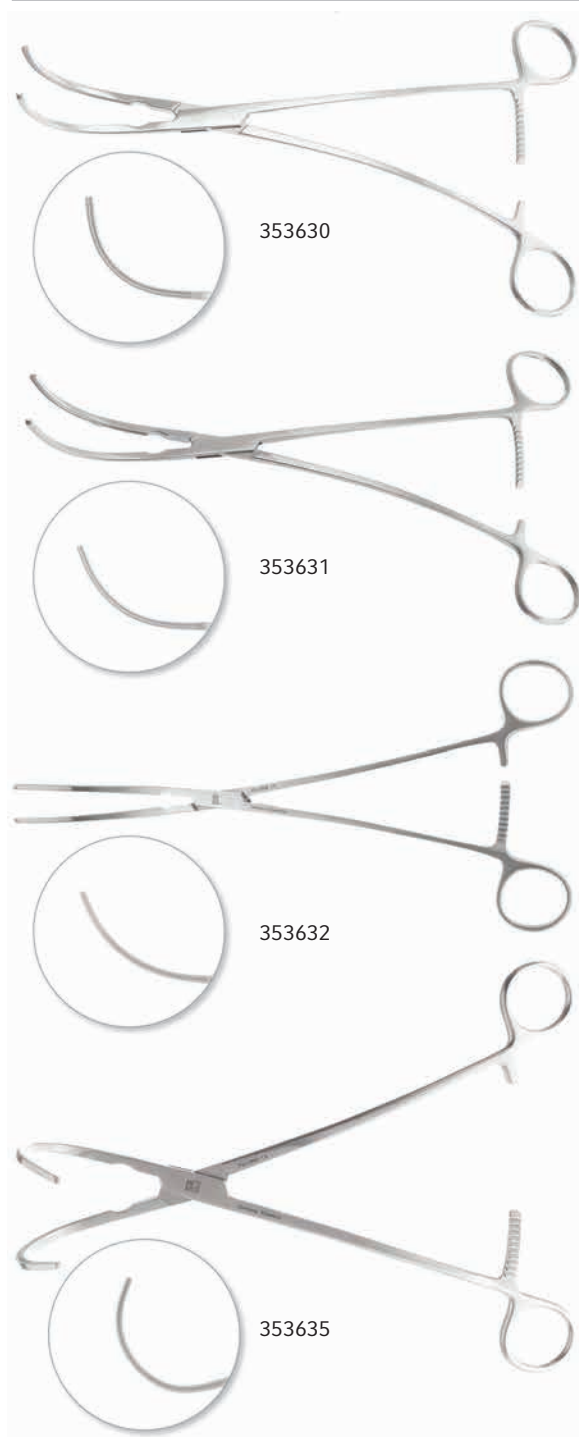
ITEM #	DESCRIPTION
353600	3-3/4" (9.5 cm) jaw, 1 x 9 ratchets, 10-3/8" (26.5 cm)
353602	4" (10 cm) jaw, 1 x 9 ratchets, 10-7/8" (27.5 cm)
353605	4-7/8" (12.5 cm) jaw, 1 x 11 ratchets, 12-1/2" (32 cm)
353607	5-3/4" (14.5 cm) jaw, 1 x 11 ratchets, 13-1/4" (33.5 cm)



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.

ITEM #	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.

ITEM #	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

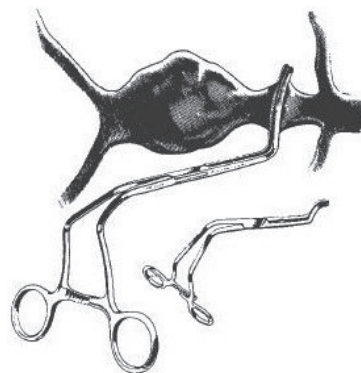
Aortic Aneurysm Clamps

GRANT ABDOMINAL AORTIC ANEURYSM CLAMPS, "TEXAS TWISTER"

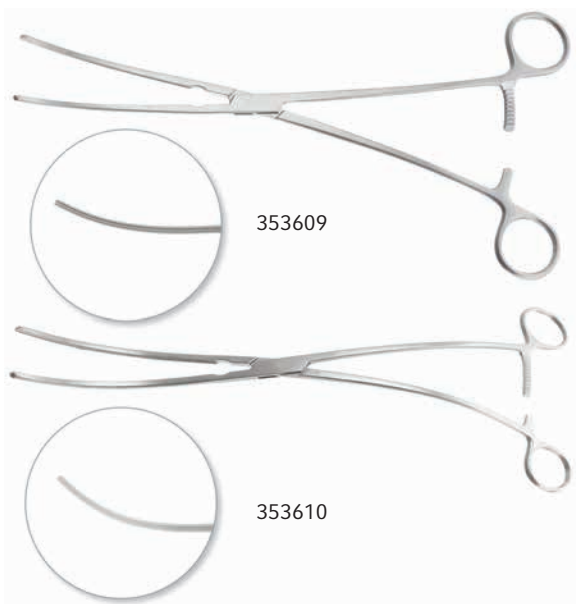


Unique design allows lateral cross clamping of aorta. On thin patients the multi-angled handle can be conveniently placed over left wound margin. In the heavy or obese patient, handles can be tucked under abdominal wall. Wide, secure, 2 x 3 DeBakey-type Jaws, 1 x 11 ratchets for gradual declamping and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

ITEM #	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.

ITEM #	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

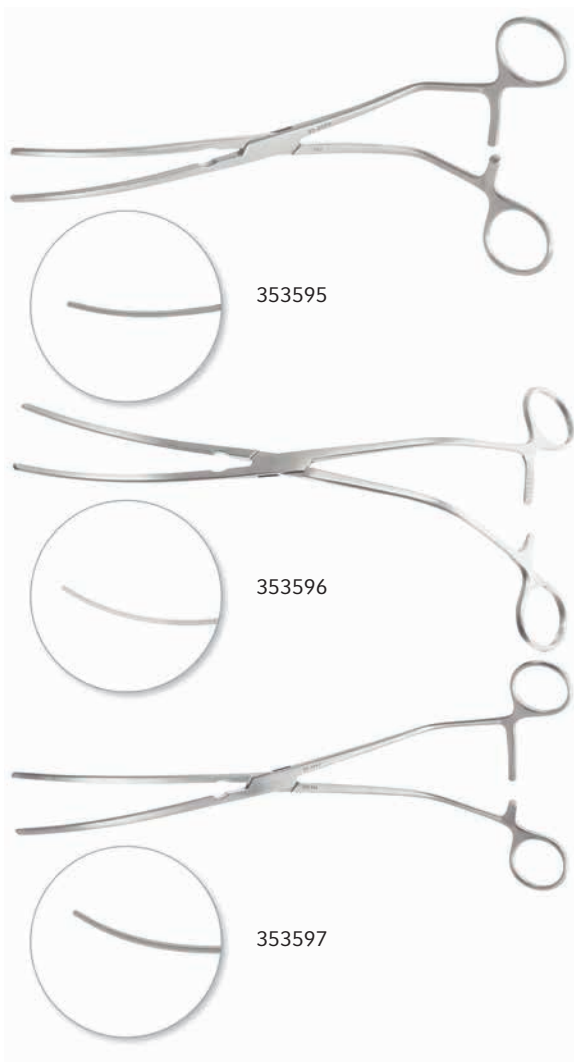
Aortic Aneurysm Clamps

WYLIE ABDOMINAL AORTA CLAMP



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

ZANGER ABDOMINAL AORTA CLAMPS



Acutely curved handle, 1 x 9 ratchets.

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

VASCULAR CLAMPS

Aortic Aneurysm Clamps

PILLING RATCHET LOCK



354320

ITEM #	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.

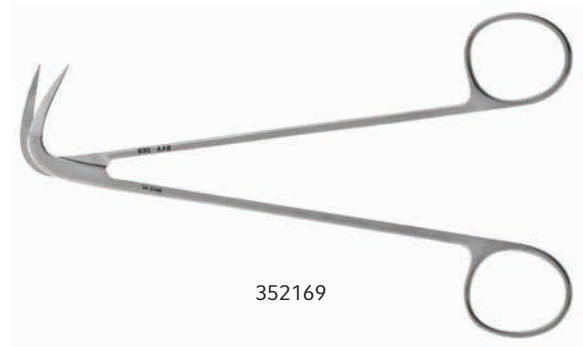
ITEM #	DESCRIPTION
351715	Compressor head 3-1/8" (8 cm) wide, overall length 15-1/2" (39.5 cm)



SCISSORS

Potts-Style Scissors

BEALL CIRCUMFLEX ARTERY SCISSORS



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

SCISSORS

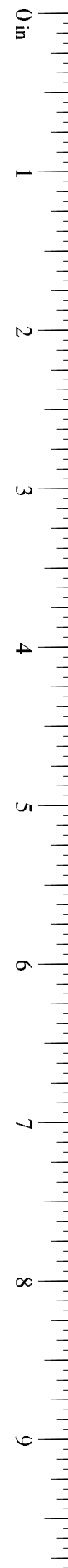
Potts-Style Scissors

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.

ITEM #	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)

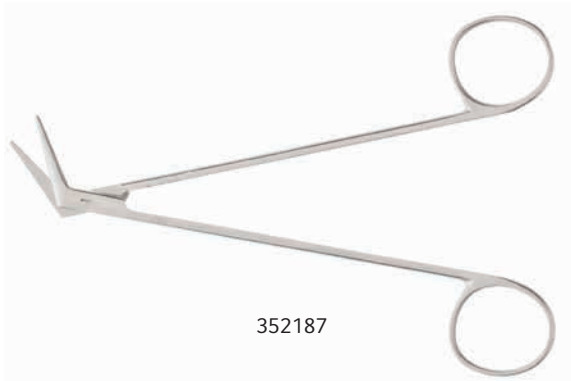




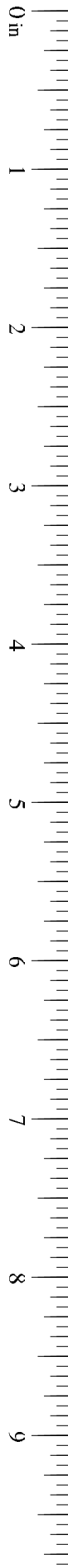
SCISSORS

Potts-Style Scissors

DEBAKEY® POTTS SCISSORS



ITEM #	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.

ITEM #	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

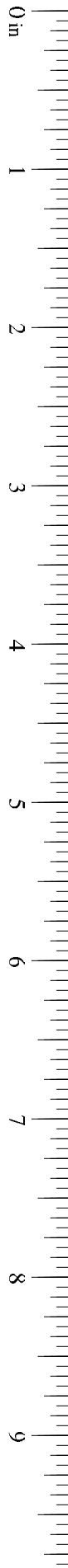
Potts-Style Scissors

DEBAKEY®-POTTS SCISSORS



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

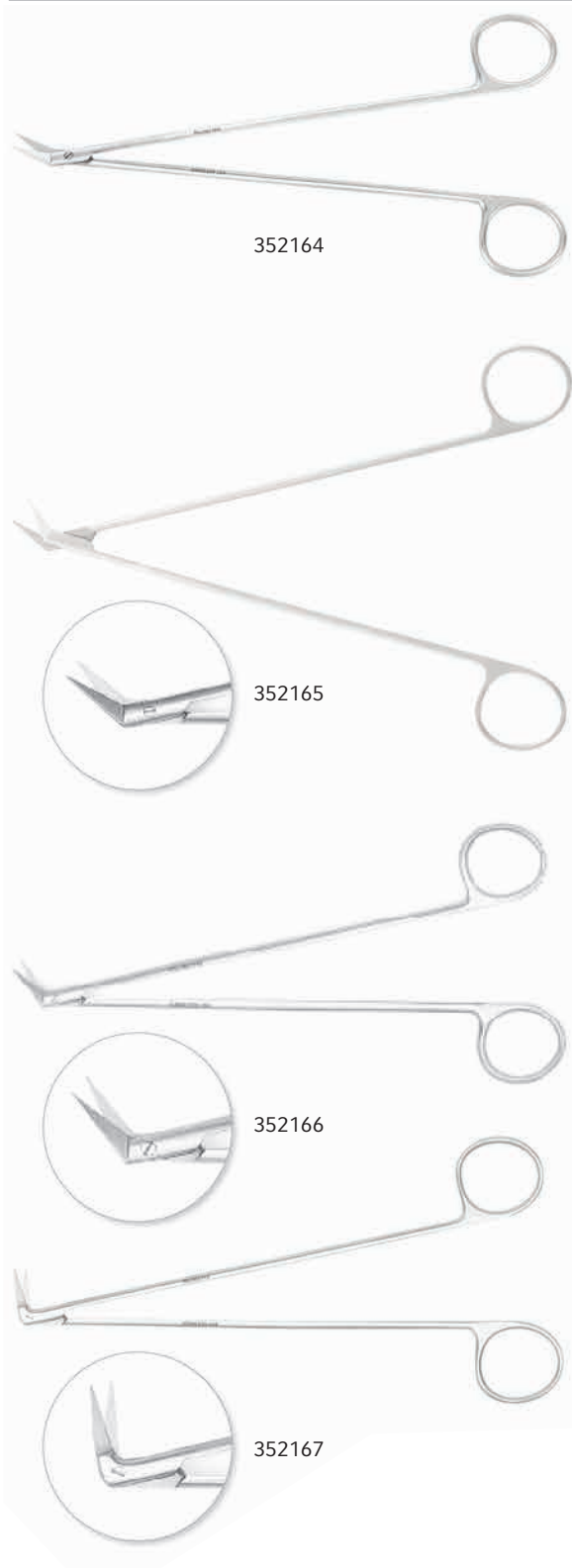
ITEM #	DESCRIPTION
352151	Angled 20 degrees, 23 mm blades, 6-5/8" (17 cm)
352153	Angled 45 degrees, 20 mm blades, 6-1/2" (16.5 cm)
352155	Angled 60 degrees, 23 mm blades, 6-1/4" (16 cm)



SCISSORS

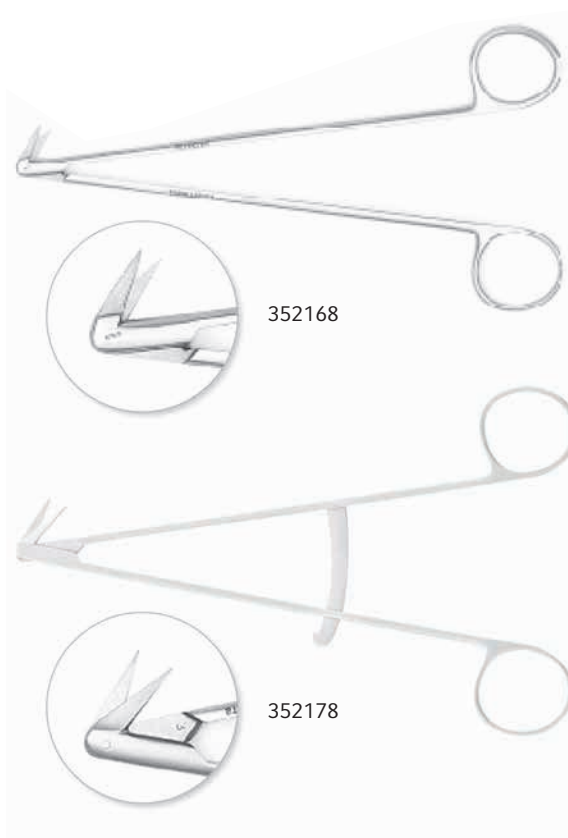
Potts-Style Scissors

PILLING® CORONARY POTTS SCISSORS



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.

ITEM #	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, 20 mm blades, 6-3/4" (17 cm)
352178	Angled 120 degrees, 13 mm blades, 7" (18 cm)

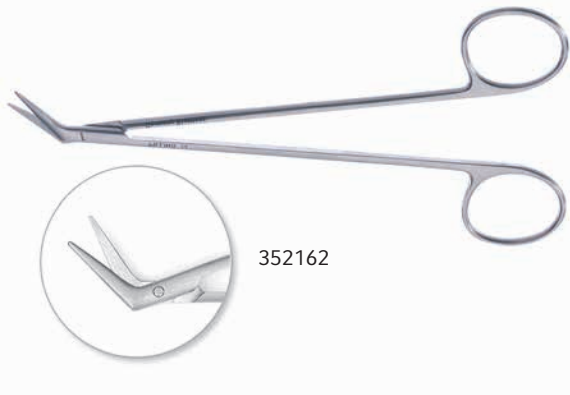




SCISSORS

Potts-Style Scissors

DIETRICH DELICATE ANGLED CORONARY SCISSORS



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

DIETRICH-POTTS VASCULAR SCISSORS



Short blades, semi-sharp tips.

ITEM #	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)

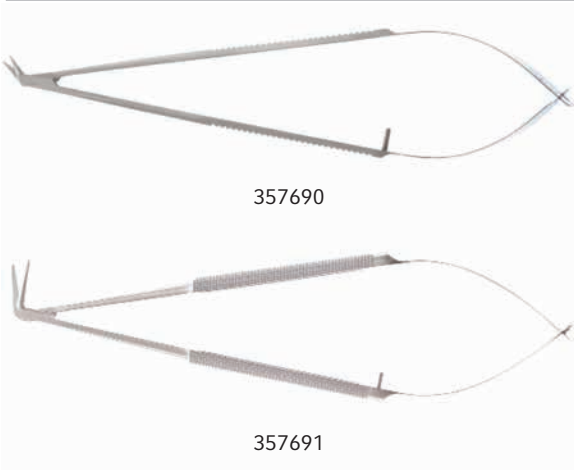




SCISSORS

Potts-Style Scissors

MICRO VASCULAR SCISSORS



ITEM #	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



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



SCISSORS

Potts-Style Scissors

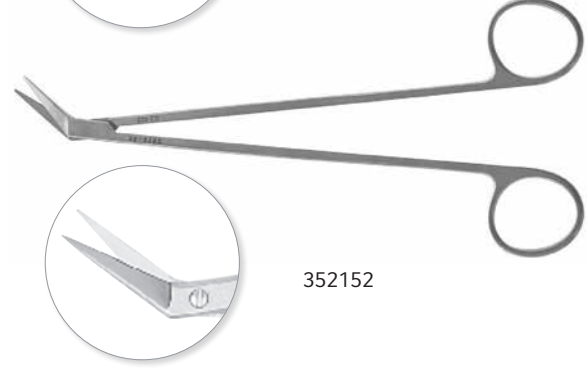
POTTS SMITH SCISSORS



352150



352170



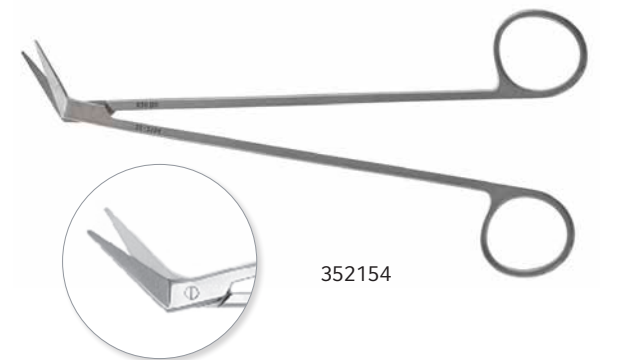
352152

Angled to side. Pilling® Pattern, satin finish.

ITEM #	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

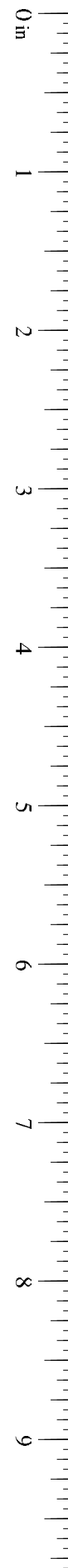
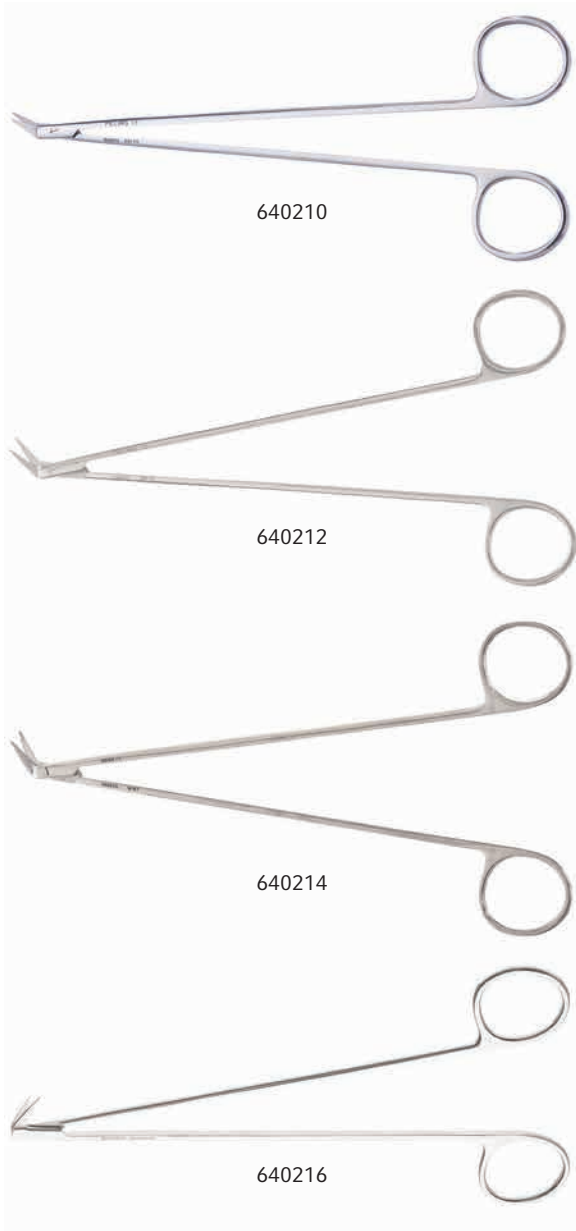
SCISSORS

Potts-Style Scissors

POTTS SMITH VASCULAR SCISSORS

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

ITEM #	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)





SCISSORS

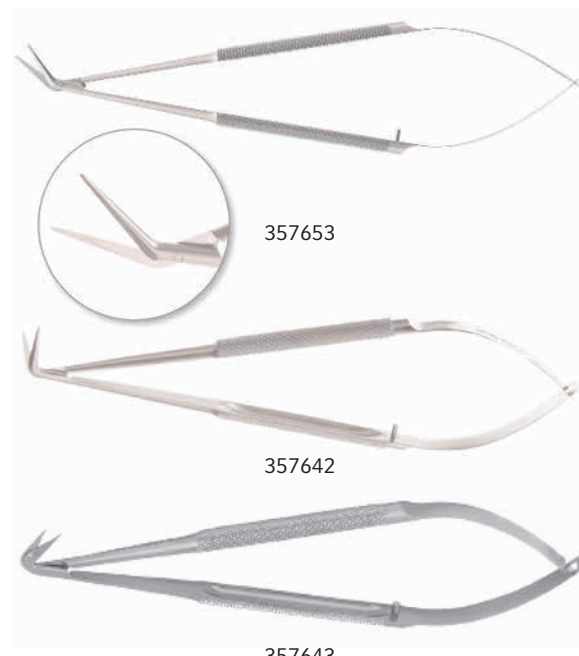
Potts-Style Scissors

YASARGIL VASCULAR SCISSORS



ITEM #	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.

ITEM #	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



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

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

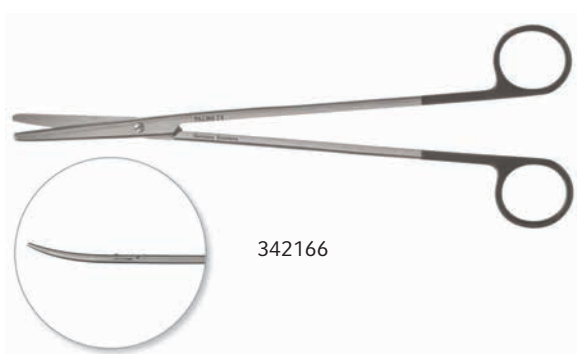
DEBAKEY® ENDARTERECTOMY SCISSORS



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

ITEM #	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



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

ITEM #	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.

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

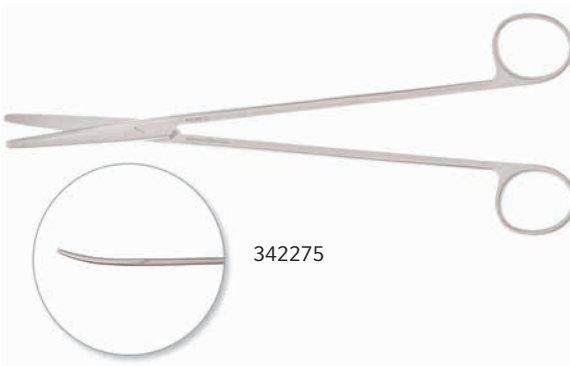
DEBAKEY®-METZENBAUM DISSECTING SCISSORS



Curved blades. These scissors are proportionately matched in weight.

ITEM #	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.

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



SCISSORS

Vascular and Cardiac Scissors

HAIMOVICI SCISSORS



A delicate, acutely curved scissors.

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

JAMISON-METZENBAUM TENOTOMY SCISSORS



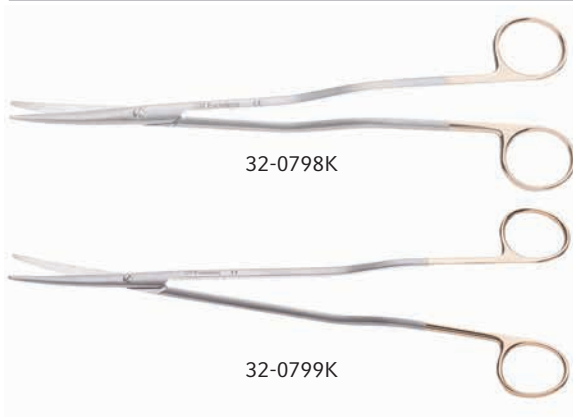
The standard Metzenbaum-style Curved Blades have specially narrowed tenotomy-type distal tips.

ITEM #	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



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

POTTS SMITH DISSECTING SCISSORS



Curved, 48 mm blades.

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

POTTS TENOTOMY SCISSORS



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



SCISSORS

Vascular and Cardiac Scissors

REVUELTA-GARCIA VALVE SCISSORS



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

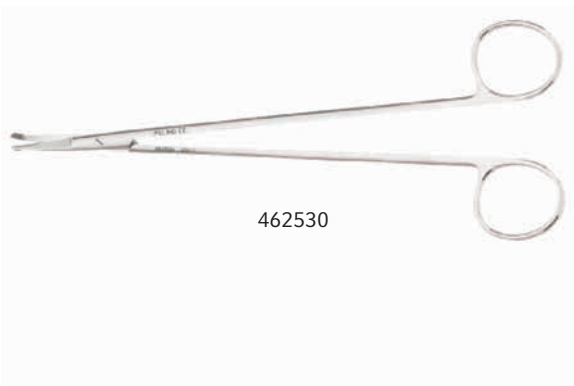
SATINSKY SCISSORS



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

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

STRULLY PROBED TIP SCISSORS



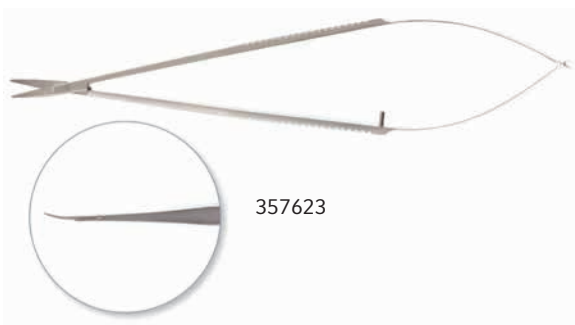
ITEM #	DESCRIPTION
462530	Curved, 25 mm blades, 8" (20.5 cm)



SCISSORS

Vascular and Cardiac Scissors

JACOBSON VASCULAR SCISSORS



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

MICRO VASCULAR ANASTOMOSIS SCISSORS



Round handle, 8 mm diameter.

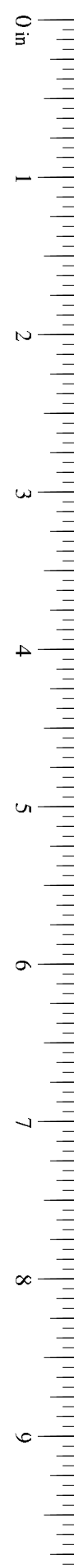
ITEM #	DESCRIPTION
357651	Straight, 12 mm blades, 7-3/8" (19 cm)
357652	Curved, 12 mm blades, 7-1/4" (18.5 cm)

NEUROFEEL MICRO SCISSORS



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

ITEM #	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.

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

CASTROVIEJO SCISSORS

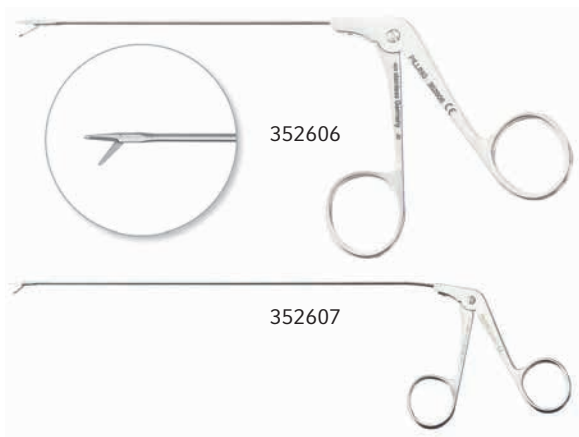


Spring handle for maximum control.

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

Venous Valve

VENOUS VALVE SCISSORS



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

CVT NEEDLE HOLDERS

Pilling® Technique® Design

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

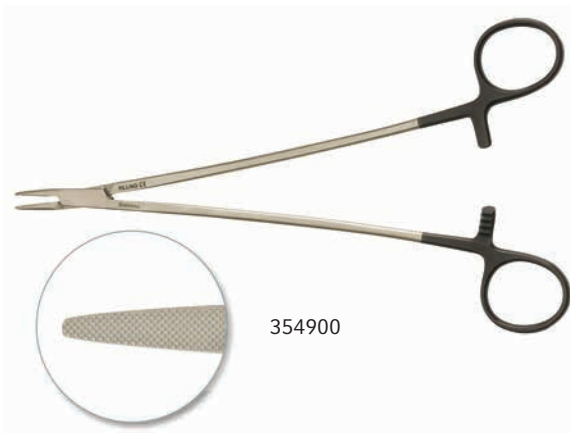
BAILEY CARDIAC TECHNIQUE® NEEDLE HOLDER



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

ITEM #	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.

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

CVT NEEDLE HOLDERS

Pilling® Technique® Design

GERBODE TECHNIQUE® NEEDLE HOLDER



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

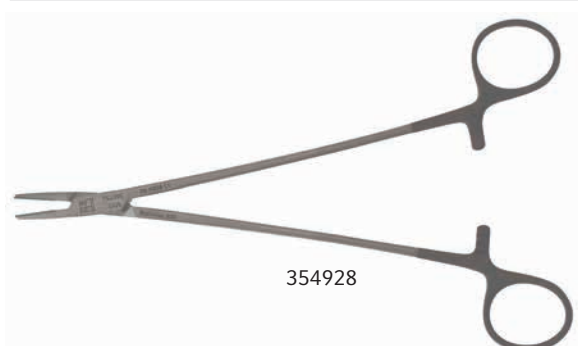
ITEM #	DESCRIPTION
343000	16.5 x 2 mm jaw, 10-1/2" (26.5 cm), TC

HOWELL CORONARY TECHNIQUE® NEEDLE HOLDER



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

HOWELL VALVE TECHNIQUE® NEEDLE HOLDER



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



CVT NEEDLE HOLDERS

Pilling® Technique® Design

JAMISON TECHNIQUE® NEEDLE HOLDER



Long, slender needle holder. Jaws are lightly serrated.

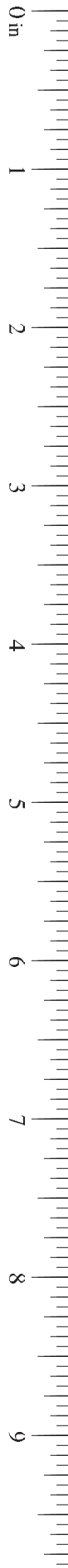
ITEM #	DESCRIPTION
354941	19.8 x 1.8 mm jaw, 9" (23 cm), TC

PILLING® EXTRA LIGHT TECHNIQUE® NEEDLE HOLDERS



Thinner shanks and box locks than Pilling® Thin Needle Holders (opposite page) for reduced weight and more "feel."

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



CVT NEEDLE HOLDERS

Pilling® Technique® Design

PILLING® INTRACARDIAC TECHNIQUE® NEEDLE HOLDERS



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

PILLING® THIN VASCULAR AND CORONARY TECHNIQUE® NEEDLE HOLDERS



Delicately proportioned, slender needle holders.

ITEM #	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

Pilling® Technique® Design

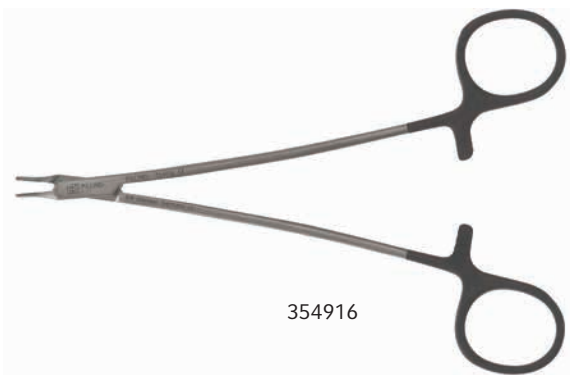
RYDER EXTRA FINE TECHNIQUE® NEEDLE HOLDERS



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

ITEM #	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.

ITEM #	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

Pilling® Technique® Design

GREGORY TECHNIQUE® SUTURE "STAY" CLAMPS



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

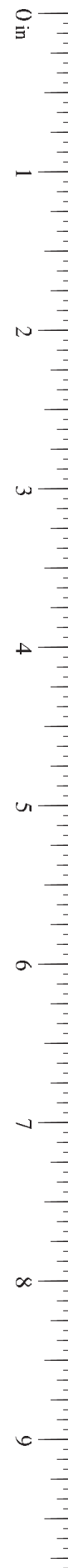
ITEM #	DESCRIPTION
351830	Straight, 3-7/8" (10 cm), TC
351831	Curved, 3-7/8" (10 cm), TC

GIANNINI TECHNIQUE® NEEDLE HOLDER



Flat handles.

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



CVT NEEDLE HOLDERS

Pilling® Technique® Design

MICRO SURGERY TECHNIQUE® NEEDLE HOLDERS



Flat handle, smooth jaws.

ITEM #	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

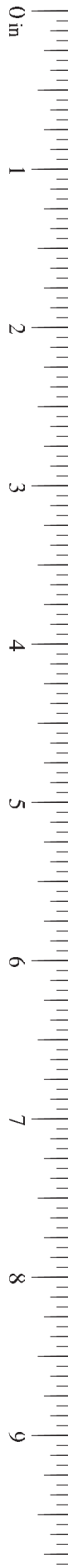


ITEM #	DESCRIPTION
354964	Straight, 13 x 1.4 mm jaw, 7-1/4" (18.5 cm), TC
354965	Straight, 13 x 1.4 mm jaw, 8" (20.5 cm), TC

SPENCER CORONARY TECHNIQUE® NEEDLE HOLDER



ITEM #	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.

ITEM #	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.

ITEM #	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.

ITEM #	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

ITEM #	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

ITEM #	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



358001

358002

358003

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

ITEM #	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)

CVT NEEDLE HOLDERS

Castro-Type Micro Needle Holders

JACOBSON MICRO-SURGICAL NEEDLE HOLDERS



Smooth, straight, stainless steel jaws with Castroviejo-type Lock and flat handles. Lock can be removed if not required.

ITEM #	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



Flat handle, smooth jaws.

ITEM #	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



Stainless steel jaws, round handles. Smooth jaws.

ITEM #	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

ITEM #	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.

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

BAUMGARTEN WIRE TWISTER



142521

Heavy, square jaw.

ITEM #	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



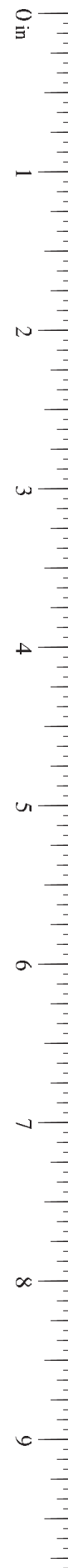
ITEM #	DESCRIPTION
351349	12 x 4.5 mm jaw, 5" (12.5 cm), TC

WIRE TWISTING FORCEPS



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

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

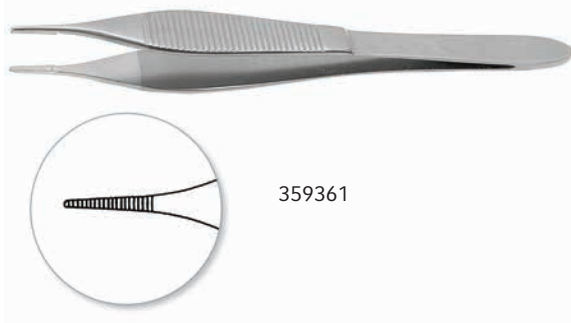


TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Tissue and Dressing Forceps

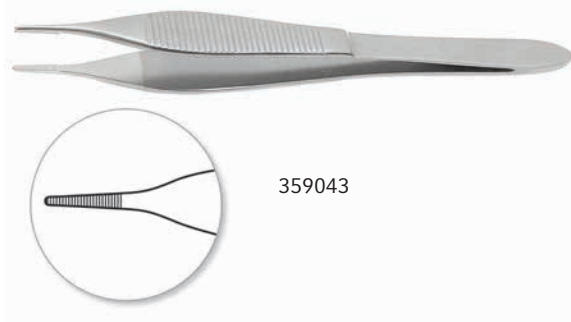
ADSON TITANIUM DRESSING FORCEPS



Flat handle.

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

ADSON TITANIUM TISSUE FORCEPS



Flat handle.

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

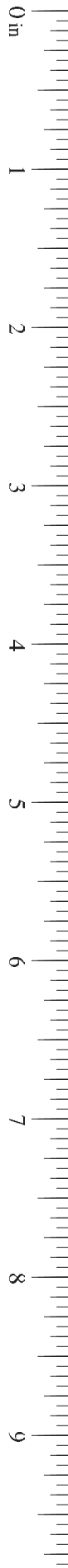
ADSON-BROWN TITANIUM TISSUE FORCEPS



Flat handle.

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

359359



TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Tissue and Dressing Forceps

BARRAYA TITANIUM TISSUE FORCEPS

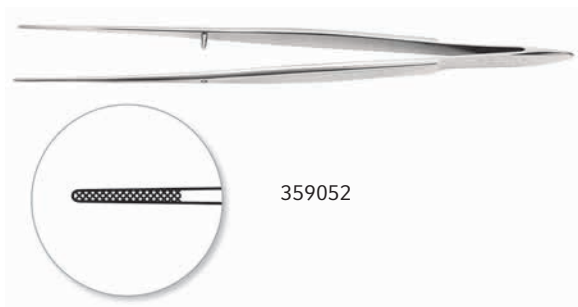


359053

Flat handle.

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

CUSHING TITANIUM DRESSING FORCEPS

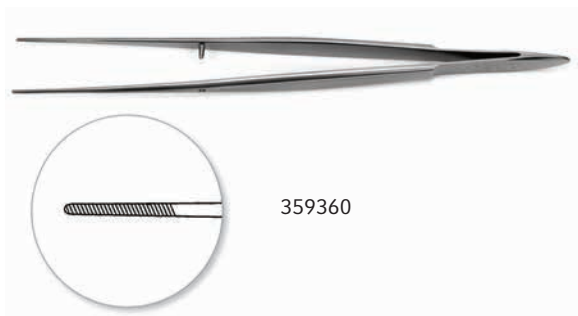


359052

Flat handle.

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

CUSHING TITANIUM TISSUE FORCEPS



359360

Flat handle.

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

TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Tissue and Dressing Forceps

DEBAKEY® TITANIUM TISSUE FORCEPS



359029

Flat handle.

ITEM #	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)



359024

359025

359021

359022

359027

359028

359029

359030

359031

359032

TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Tissue and Dressing Forceps

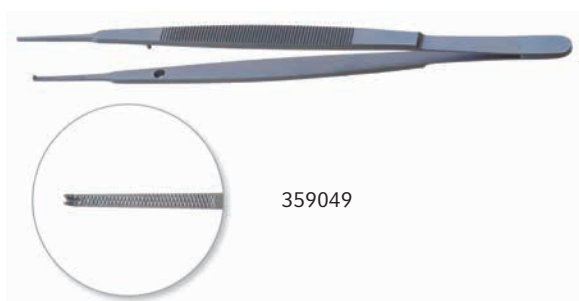
GERALD TITANIUM DRESSING FORCEPS



Flat handle. Serrated tip.

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

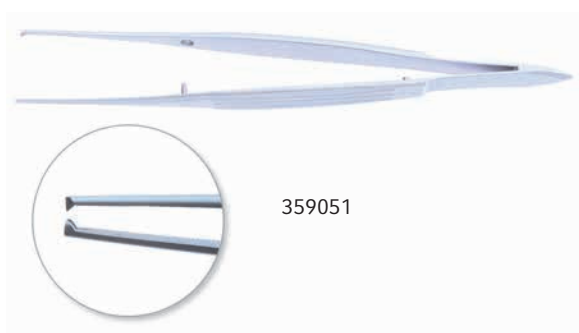
GERALD TITANIUM TISSUE FORCEPS



Flat handle. Serrated tip.

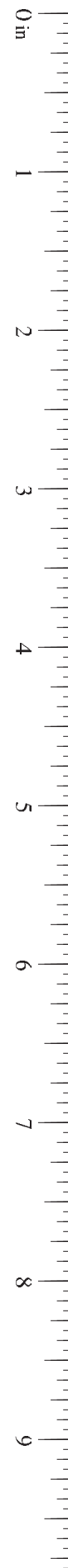
ITEM #	DESCRIPTION
359049	1 x 2 Teeth, 6-7/8" (18 cm)

GILLES TITANIUM TISSUE FORCEPS



Flat handle.

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



TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Tissue and Dressing Forceps

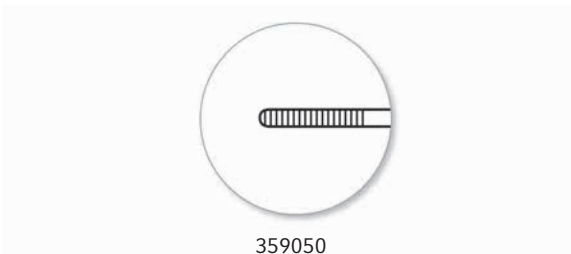
GUILMET TITANIUM DRESSING FORCEPS



Flat handle.

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

MCINDOE TITANIUM TISSUE FORCEPS

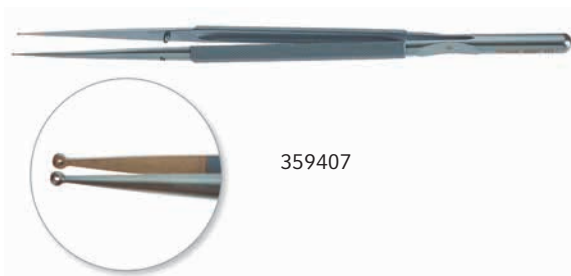


Flat handle.

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

Micro Forceps

DENIS TITANIUM MICRO FORCEPS



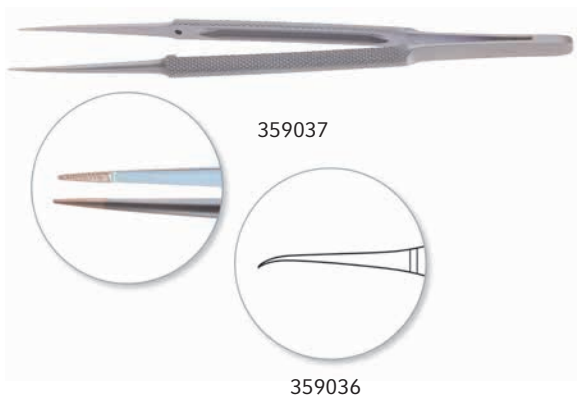
ITEM #	DESCRIPTION
359407	Straight, 0.4 mm tip, Diamo-Grip jaws, 8-1/4" (21 cm)

TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Micro Forceps

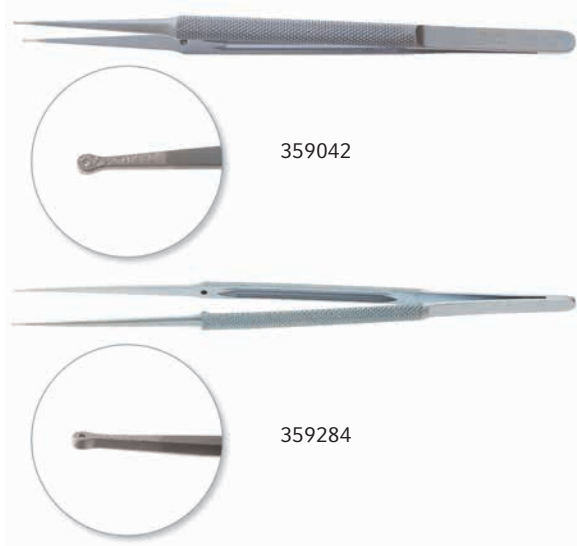
MICRO TITANIUM DIAMA-GRIP TYING FORCEPS



Round handle. Diama-Grip on tip.

ITEM #	DESCRIPTION
359033	Straight, 3-3/4" (9.5 cm)
359034	Curved, 3-3/4" (9.5 cm)
359037	Straight, 7-1/8" (18 cm)
359036	Curved, 7-1/8" (18 cm)

MICRO TITANIUM DIAMA-GRIP TYING FORCEPS



Straight with round handle. Diama-Grip ring tip.

ITEM #	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



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

HALSTED TITANIUM HEMOSTATIC FORCEPS



ITEM #	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).

ITEM #	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

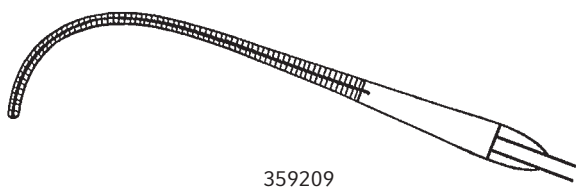
Pediatric Vascular Clamps

CASTANEDA TITANIUM VASCULAR CLAMPING FORCEPS

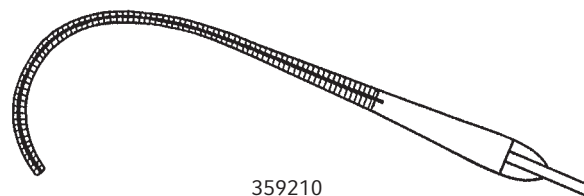


Clamping Forceps (15 g).

ITEM #	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, 5-1/2" (14 cm)



359209



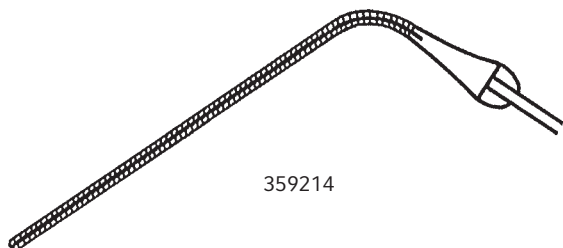
359210



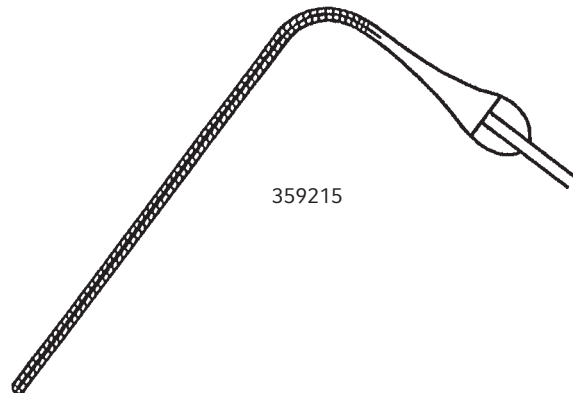
359211



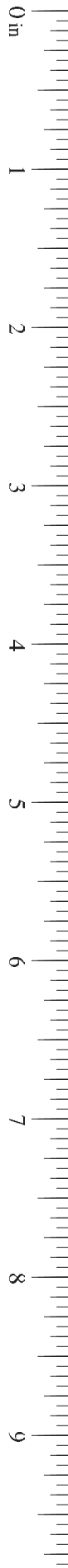
359212



359214



359215



TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Pediatric Vascular Clamps

COOLEY TITANIUM PEDIATRIC CLAMP



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

DEBAKEY® TITANIUM PEDIATRIC CLAMPS



ITEM #	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 ANASTAMOSIS CLAMPS



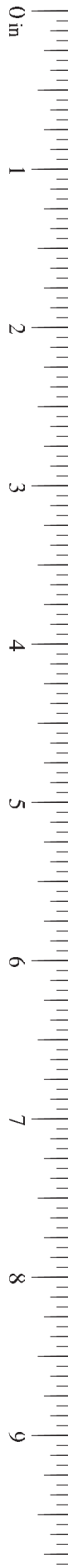
ITEM #	DESCRIPTION
359236	Curved jaws, 6-11/16" (17 cm)
359237	Curved jaws, 6-13/16" (17.5 cm)

Vascular Clamps

CRAFOORD TITANIUM CLAMPING FORCEPS



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



TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

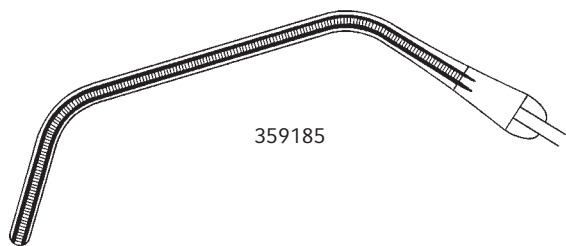
Vascular Clamps

DEBAKEY® TITANIUM VASCULAR CLAMPS

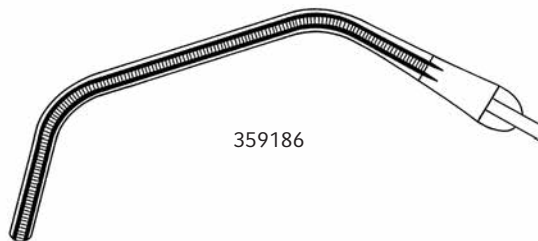


359162

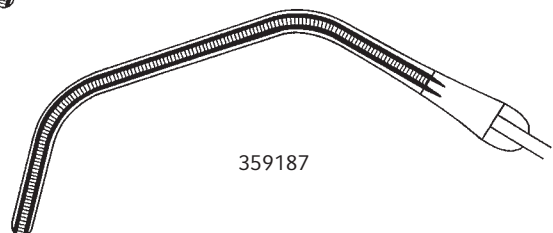
ITEM #	DESCRIPTION
359161	Aorta clamp, curved jaw, 11-1/8" (28.5 cm)
359162	Aorta clamp, curved jaw, 11-3/4" (30 cm)
359163	Aorta clamp, curved jaw, 12-5/8" (32 cm)
359185	Occlusion clamp with 50 mm operational jaw length, 10-3/4" (27 cm)
359186	Occlusion clamp with 40 mm operational jaw length, 10"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



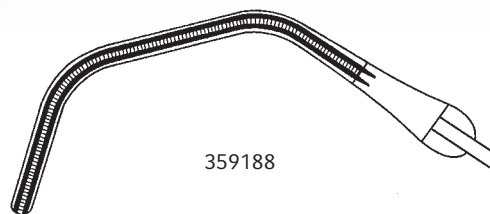
359185



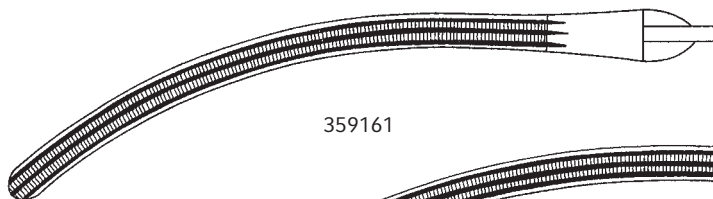
359186



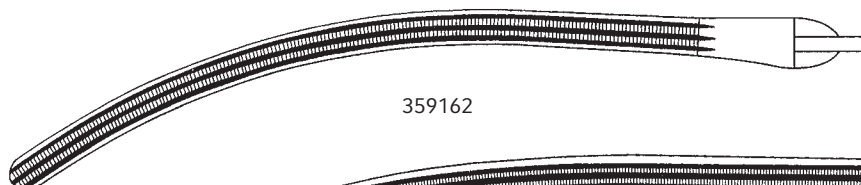
359187



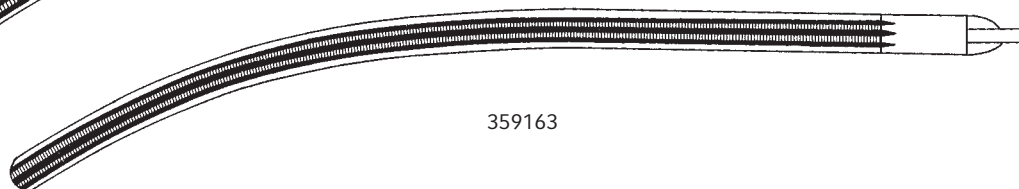
359188



359161



359162



359163



TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

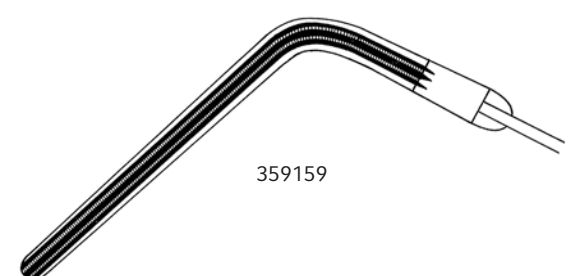
Vascular Clamps

DEBAKEY® TITANIUM VASCULAR CLAMPS

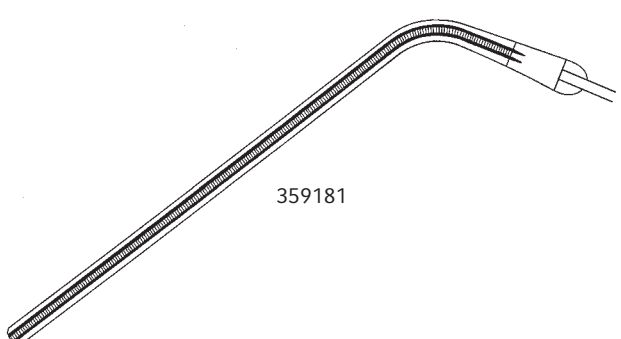


359159

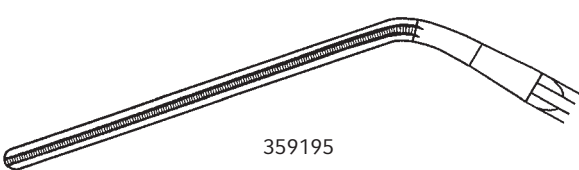
ITEM #	DESCRIPTION
359159	70 degree angled jaw, 10-1/4" (26 cm)
359195	45 degree angled jaw, 10-1/2" (26.5 cm)
359181	60 degree angled jaw, 11-3/4" (30 cm)
359183	60 degree angled jaw, 9-3/8" (23.5 cm)
359184	60 degree angled jaw, 8-1/2" (21.5 cm)



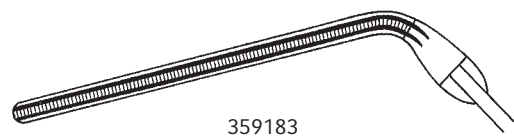
359159



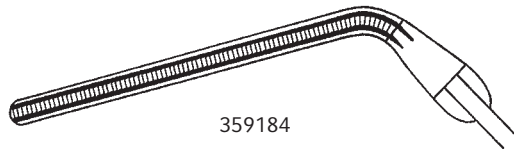
359181



359195

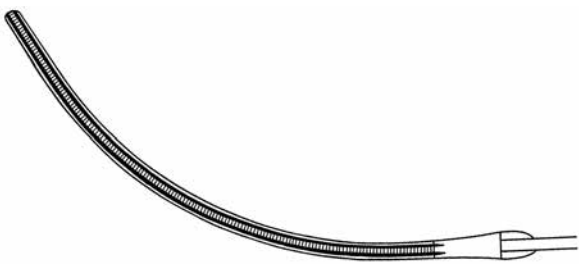


359183



359184

DEBAKEY® TITANIUM VASCULAR CLAMPS



359173

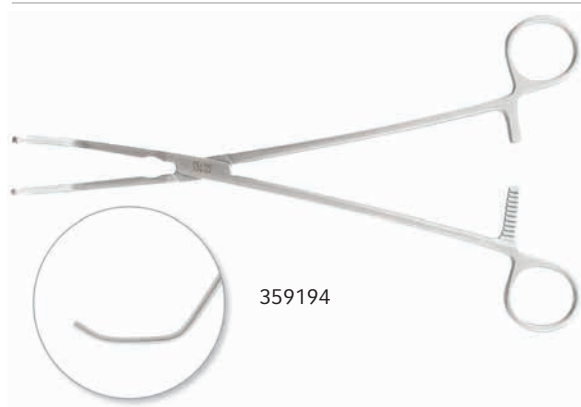
ITEM #	DESCRIPTION
359173	Curved jaw, 7-7/8" (20 cm)

TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

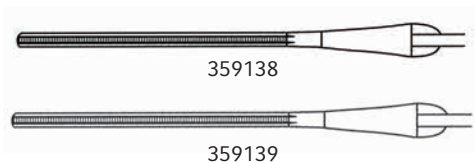
Vascular Clamps

GLOVER TITANIUM AURICULAR CLAMP



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

GLOVER TITANIUM COARCTATION VASCULAR CLAMPS



ITEM #	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



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

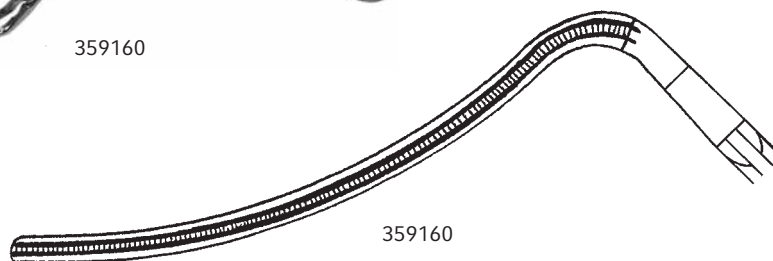
TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Vascular Clamps

HUFNAGEL TITANIUM VASCULAR CLAMP

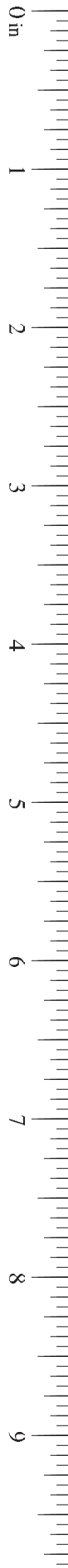
ITEM #	DESCRIPTION
359160	Curved DeBakey® Jaw, 8-5/8" (22 cm)



KAY TITANIUM VASCULAR CLAMP

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



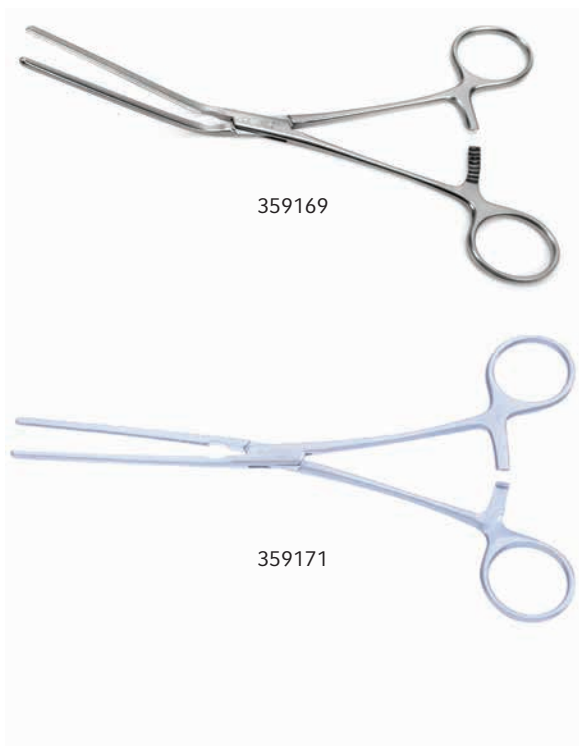


TITANIUM INSTRUMENTS

FORCEPS AND CLAMPS

Vascular Clamps

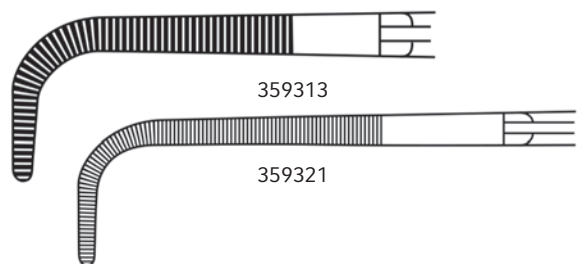
LELAND-JONES TITANIUM VASCULAR CLAMPS



ITEM #	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)



O'SHAUGHNESSY TITANIUM CLAMPING FORCEPS



ITEM #	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

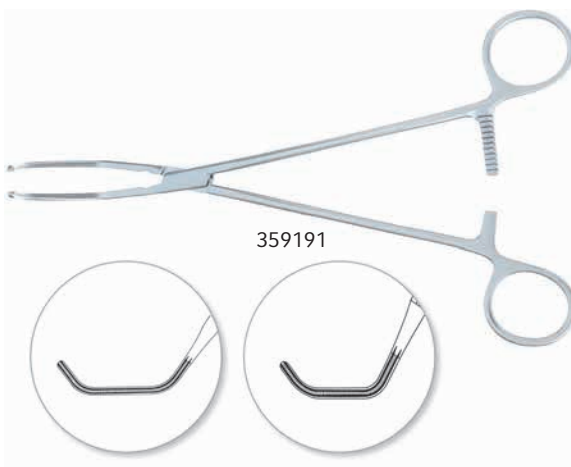
RENAL ARTERY TITANIUM VASCULAR CLAMP



359238

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

SATINSKY TITANIUM VASCULAR CLAMPS

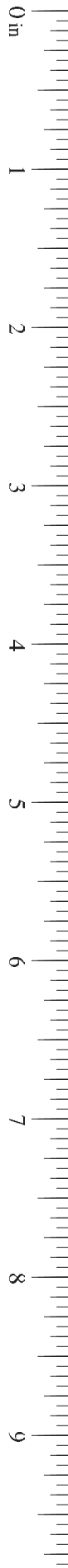


359191

359191

359193

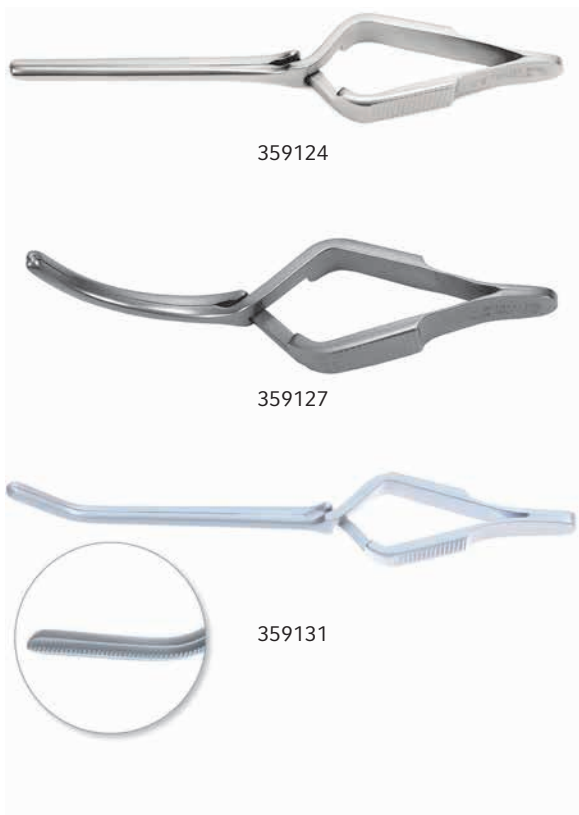
ITEM #	DESCRIPTION
359191	Vena cava clamp with 30 mm operational DeBakey® Jaw length, 9-5/8" (24.5 cm)
359193	Vena cava clamp with 20 mm operational DeBakey® Jaw length, 9-1/2" (24 cm)



TITANIUM INSTRUMENTS FORCEPS AND CLAMPS

Bulldog® Clamps

DEBAKEY® TITANIUM BULLDOG® CLAMPS



ITEM #	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)

359124

359127

359131



TITANIUM INSTRUMENTS

SCISSORS

Micro Scissors

MICRO TITANIUM SCISSORS



359006

With flat handle.

ITEM #	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



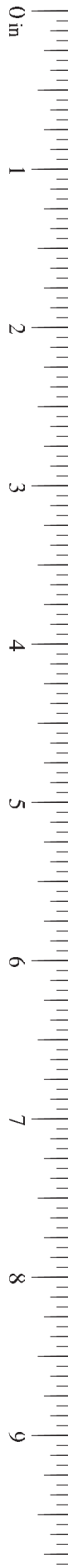
359006



359250



359253



TITANIUM INSTRUMENTS

SCISSORS

Micro Scissors

MICRO TITANIUM SCISSORS

With round handle.



359262

ITEM #	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



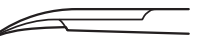
359265



359266



359267



359268



359269



359270



359271



359272



359273



359274



359275



359276



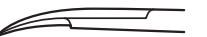
359277



359278



359279



359280



359281



359282



TITANIUM INSTRUMENTS

SCISSORS

Potts-Style Scissors

POTTS MICRO TITANIUM SCISSORS



With flat handle, 16 mm blades.

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

TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Round Handle Micro Needle Holders

JACOBSON MICRO TITANIUM NEEDLE HOLDERS



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

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

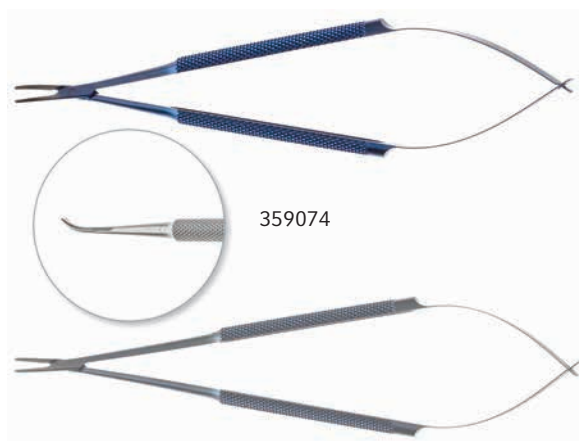
JACOBSON TITANIUM CASTROVIEJO NEEDLE HOLDERS



Round handle with lock. Diama-Grip jaws.

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

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS



Round handle, Diama-Grip jaws.

ITEM #	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

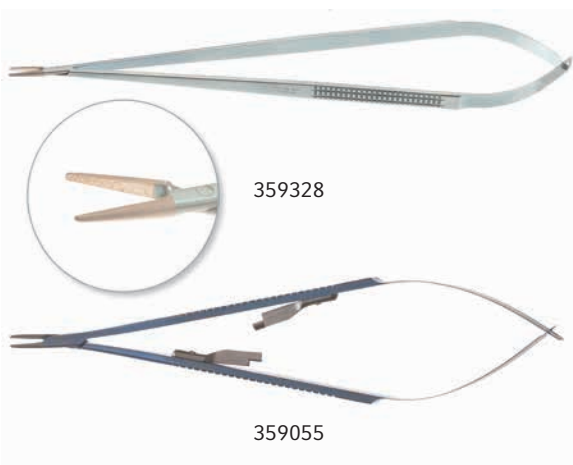


Straight, round handle, serrated jaws.

ITEM #	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.

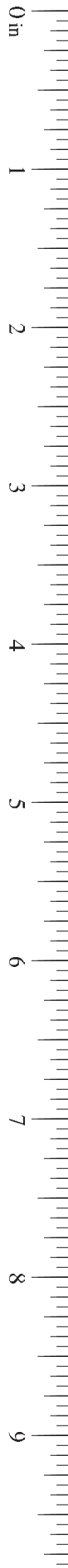
ITEM #	DESCRIPTION
359061	Straight, 9 x 1 mm jaw, 6-1/4" (16 cm)
359063	Straight, 9 x 1 mm jaw, 7-1/8" (18 cm)
359328	Straight, 9 x 1 mm jaw, 9" (23 cm)
359062	Curved, 8 x 1 mm jaw, 6-1/4" (16 cm)
359059	Straight with lock, 9 x 1 mm jaw, 8-1/4" (21 cm)
359329	Straight with lock, 9 x 1 mm jaw, 9" (23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

ITEM #	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

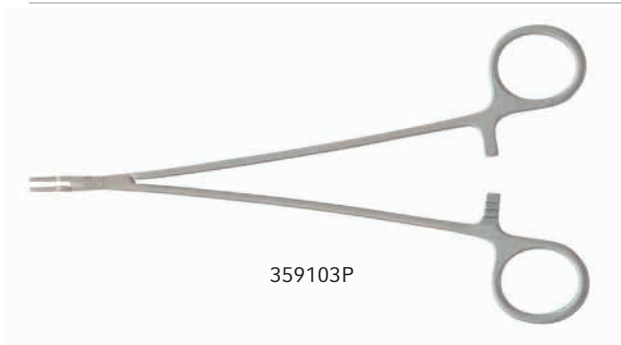


TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Ring Handle Needle Holders

DEBAKEY® TITANIUM NEEDLE HOLDER



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

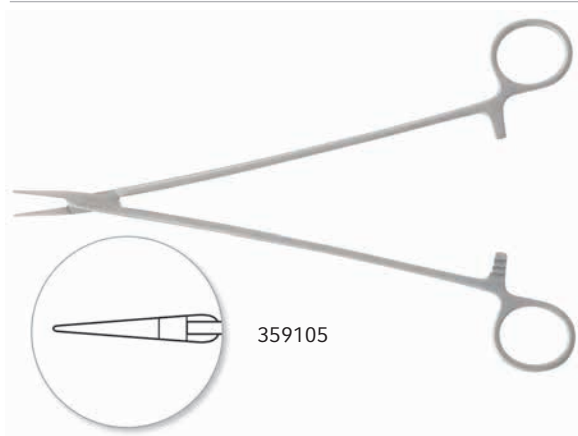
DEBAKEY® TITANIUM RING HANDLE NEEDLE HOLDERS



4000 teeth per square inch.

ITEM #	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



Diama-Grip jaws.

ITEM #	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.

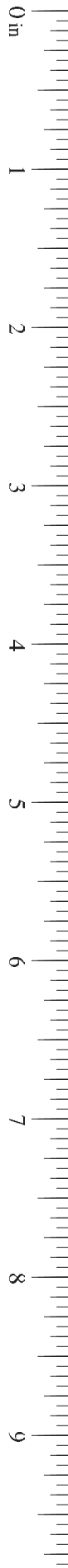
ITEM #	DESCRIPTION
359083	1.6 mm jaw, 4-1/2" (11.5 cm), TC

HALSEY TITANIUM RING HANDLE NEEDLE HOLDER



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

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

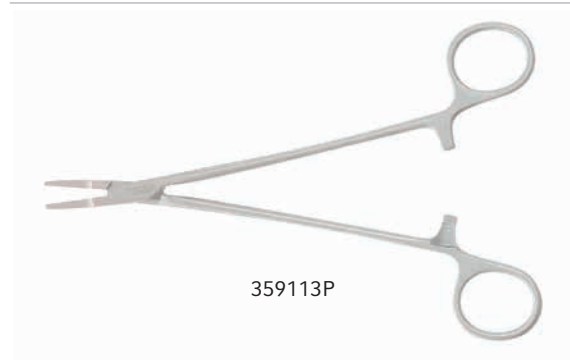


TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Ring Handle Needle Holders

INTRACARDIAC TITANIUM RING HANDLE NEEDLE HOLDER



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

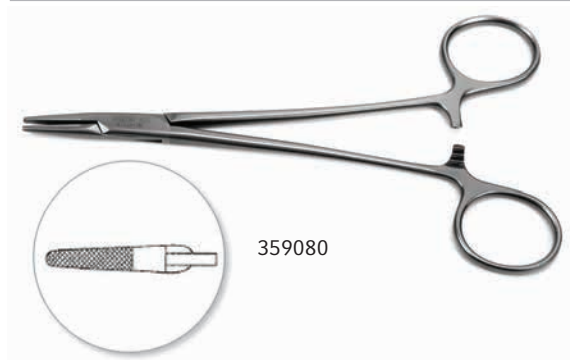
INTRACARDIAC TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

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

MAYO HEGAR TITANIUM RING HANDLE NEEDLE HOLDERS



1800 teeth per square inch.

ITEM #	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

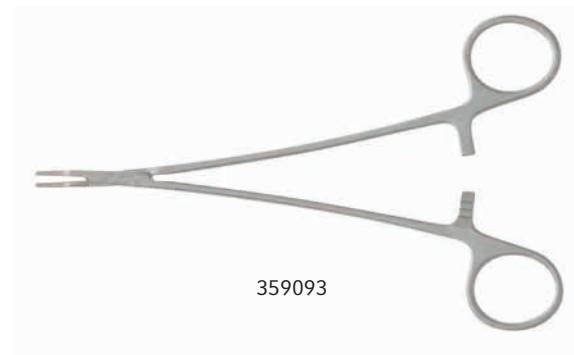
MICROVASCULAR TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

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

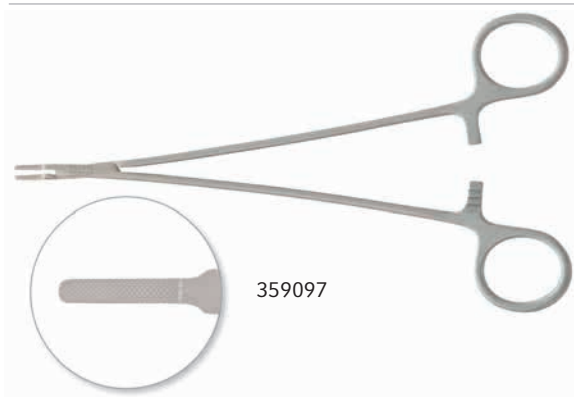
RYDER TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

ITEM #	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.

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



TITANIUM INSTRUMENTS

Retractors

FINOCHIETTO TITANIUM STERNAL RETRACTOR



359383

ITEM #	DESCRIPTION
359383	Arm length 52 mm

PEDIATRIC TITANIUM STERNAL SPREADER



359353

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



RIB INSTRUMENTS

Rongeurs

DALE FIRST RIB RONGEUR



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

URSCHEL-LEKSELL RONGEUR



Strong, double action rongeur.

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

PILLING® RUSKIN RONGEUR



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

RIB INSTRUMENTS

Rongeurs

PILLING® STILLE-LUER DUCKBILL RONGEUR



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

SAUERBRUCH RONGEURS



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

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

URSHEL FIRST RIB RONGEUR



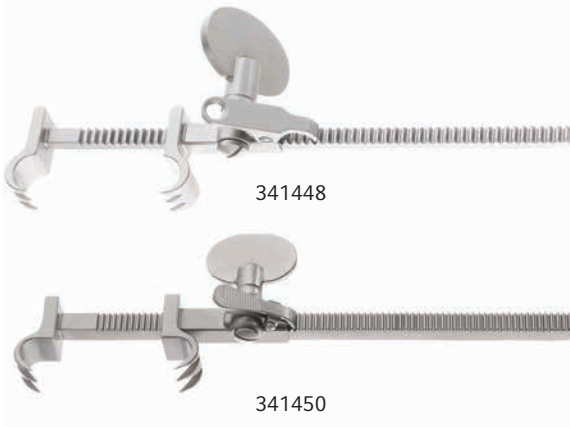
A specially designed, long, extra-heavy, pituitary-type rongeur to achieve complete removal of the neck and head of the first rib.

ITEM #	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.

ITEM #	DESCRIPTION
341448	Small size
341450	Regular, adult size

BAILEY-GIBBON RIB APPROXIMATOR RETRACTOR



ITEM #	DESCRIPTION
341460	Same as Bailey except for lengthening of arms holding the blades. This raises 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.

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

RIB INSTRUMENTS

Raspatories and Periosteal Elevators

CUSHING BLUNT ELEVATOR



358344

ITEM #	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.

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

FREER DOUBLE END ELEVATOR



355194

Pilling® Pattern, satin finish.

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

RIB INSTRUMENTS

Rib Shears / Sternum Cutters

BETHUNE RIB CUTTER



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

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

CORYLLOS-BETHUNE RIB SHEARS



With recessed points to protect brachial plexus.

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

ROOS FIRST RIB SHEAR



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.

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

RIB INSTRUMENTS

Rib Shears / Sternum Cutters

STILLE PATTERN RIB SHEARS



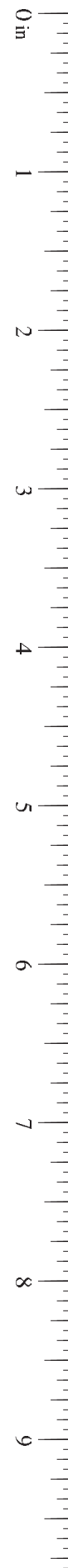
ITEM #	DESCRIPTION
341980	10-1/4" (26 cm)

LEBSCHKE STERNUM KNIFE



For splitting the sternum down the midline. Cross serrated section is hit with mallet to provide cutting force.

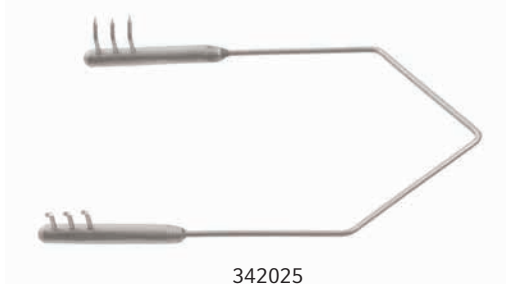
ITEM #	DESCRIPTION
342020	9-7/8" (25 cm)



CVT RETRACTORS

Epicardial

PARSONNET EPICARDIAL RETRACTOR



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.

ITEM #	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



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.

ITEM #	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)

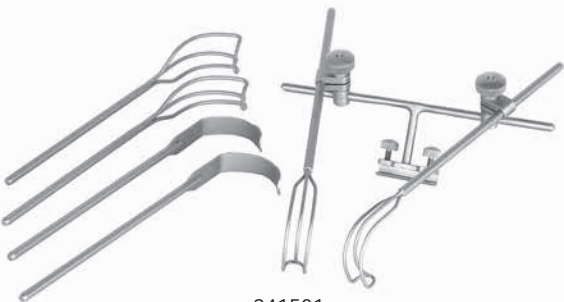
CVT RETRACTORS

IMA

CHAUX STERNAL IMA-MITRAL VALVE RETRACTOR



341155



341501



341520



341522



341523

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

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



341524



341525

CVT RETRACTORS

IMA

CHAUX DEEP BLADE ASSEMBLY



341148

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

VALVE STERNAL BLADE ASSEMBLY



341149

341154

341156

ITEM #	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

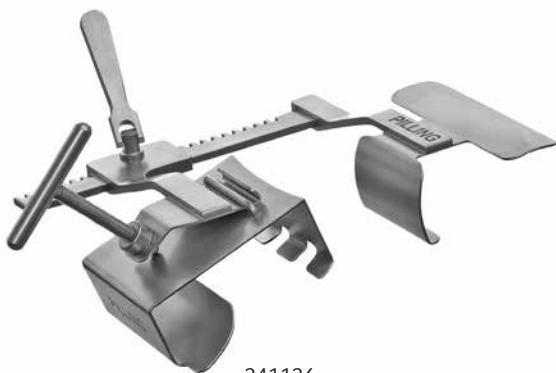


341139

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

ITEM #	DESCRIPTION
341139	Ratcheted blades slide freely on retractor arm

PILLING® IMA RETRACTOR



341136

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

ITEM #	DESCRIPTION
341136	Replaces 341134 Pilling® Bugge IMA Retractor

OCHSNER-FAVALORO IMPROVED RETRACTOR SET WITH POLY 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 Poly Clamp Rail Clamps (Item# 166000) for ease of assembly over sterile drapes.

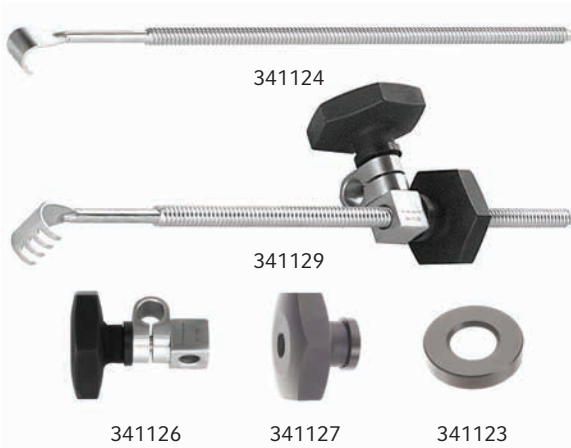
ITEM #	DESCRIPTION
341120	Consists of: 2 each retractor uprights, 1 each crossbar, 2 each screw-type rake assemblies and 2 each 166000 Gomez/Poly-tract Poly Clamp Rail Clamps



CVT RETRACTORS

IMA

OCHSNER-FAVALORO RETRACTOR PARTS



ITEM #	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.

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

341128

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.

ITEM #	DESCRIPTION
343393	One pair

CHEANVECHAI RAKE ASSEMBLY



341131

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

CHEANVECHAI-FAVALORO SWIVEL RAKE ASSEMBLY



341133

ITEM #	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).

ITEM #	DESCRIPTION
341100	Retractor System

STRONG T-BAR UNILATERAL SYSTEM COMPONENTS



ITEM #	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)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

PREEMIE RETRACTOR

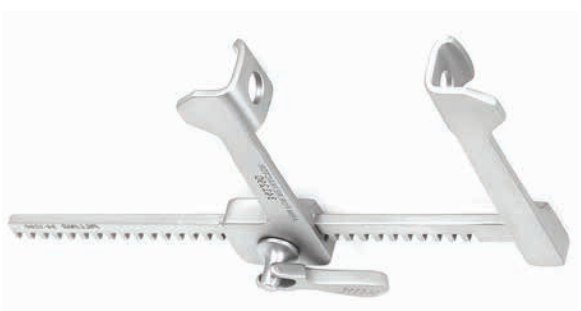


341312

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

ITEM #	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.

ITEM #	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.

ITEM #	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



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

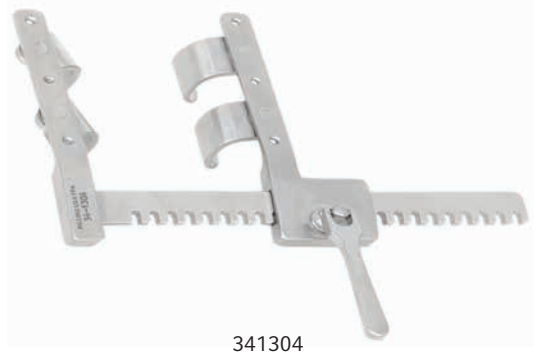
ITEM #	DESCRIPTION
341315	Spread 2-3/4" (7 cm) Blades 7/8" deep x 7/8" wide (2.2 x 2.1 cm)

AMATO NEONATAL STERNAL RETRACTORS



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.

ITEM #	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)



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.

ITEM #	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

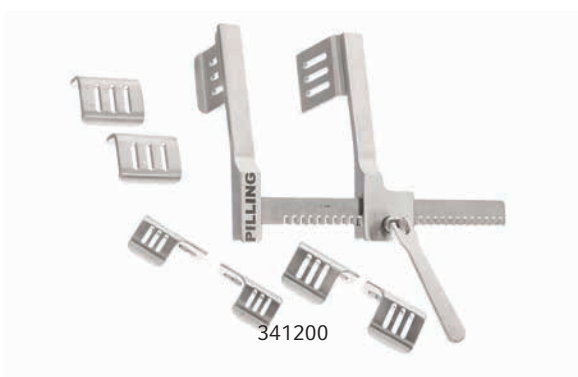


341250

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.

ITEM #	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.

ITEM #	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.

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

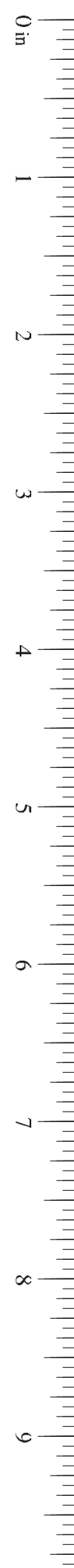
REPLOGLE INFANT STERNAL RETRACTOR



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.

ITEM #	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.



341326



341328

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



341330



341332



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.

ITEM #	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)

CVT RETRACTORS

Sternal Retractors/Rib Spreaders

FAVALORO-MORSE STERNAL RETRACTORS



341163

ITEM #	DESCRIPTION
341163	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	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

ITEM #	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	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



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.

ITEM #	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



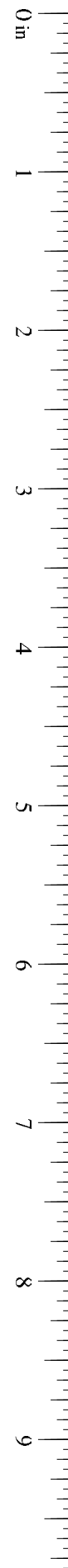
341397

Straight arms. Concave blades.

ITEM #	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

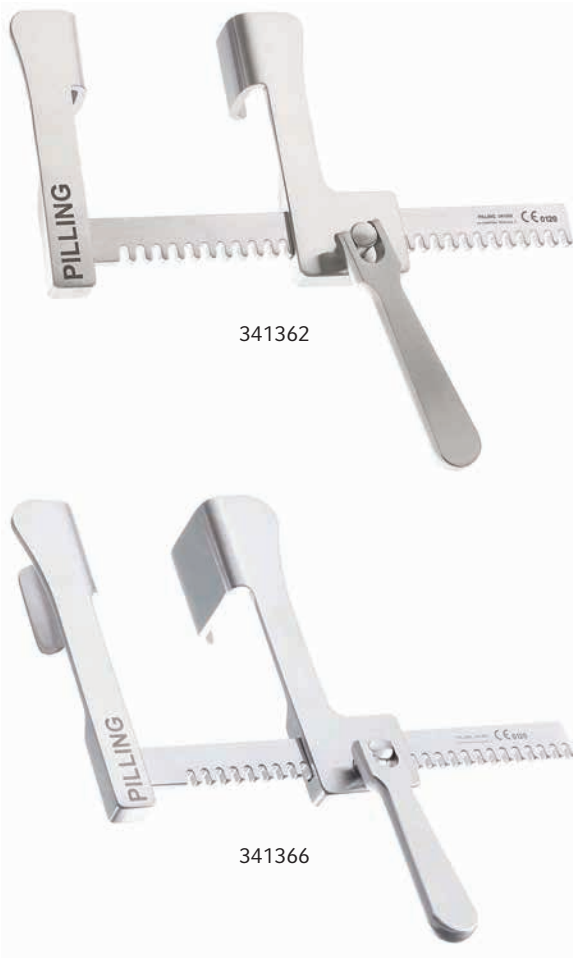




CVT RETRACTORS

Sternal Retractors/Rib Spreaders

RIENHOFF RETRACTORS



Stainless steel.

ITEM #	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



Scored blades.

ITEM #	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.

* For ATRIAL VALVE RETRACTING BLADES call Teleflex® Toll Free: 866.246.6990, Phone: 919.544.8000, Intl: 919.433.8088.

ITEM #	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.

ITEM #	DESCRIPTION
341225	Spread 7-1/2" (19 cm) Arm length 8" (20.5 cm)

BURFORD ALUMINUM ADULT RETRACTOR



341227

Two pairs of blades are supplied.

ITEM #	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

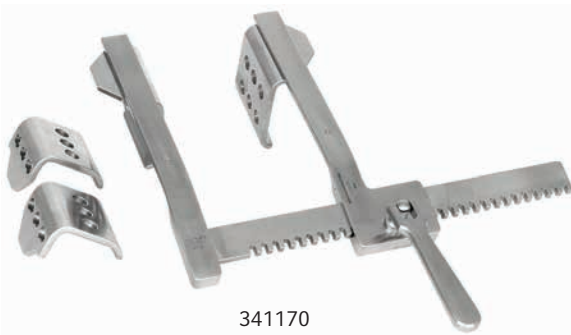
FARRELL RUBIO RETRACTOR



Two sets of interchangeable blades.

ITEM #	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.

ITEM #	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

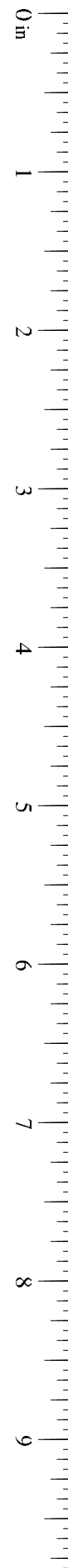
Sternal Retractors/Rib Spreaders

GERBODE STERNAL RETRACTORS



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.

ITEM #	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



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.

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

HEITMILLER MINI THORACOTOMY RETRACTOR



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.

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

CVT RETRACTORS

Pilling® Sternal Retractor and Rib Spreader Dimensions

All dimensions are in centimeters. All dimensions are approximate.

AGE	CAT. NO.	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

Pilling® Sternal Retractor and Rib Spreader Dimensions

All dimensions are in centimeters. All dimensions are approximate.

AGE	CAT. NO.	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 Extra-Large	341195	Sternal, Fixed	16.0	3.2	10.2	16.5
Bonchek-Carpentier	341198	Sternal, Fixed	18.5	3.2	10.0	16.0
Finochietto Large	341332	Rib, Single, Fixed	19.0	7.3	6.7	18.0
Gerbode	341181	Sternal, Fixed	19.5	3.0	10.0	23.0
Favaloro-Morse	341164	Sternal, 4 Swivel Blades	20.3	3.8	2.9	20.3

CVT RETRACTORS

Sternal Closure

PILLING®-WOLVEK STERNAL APPROXIMATION AND FIXATION SYSTEM



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.



342002

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 Sterilizing Case and 1 box 342006.



342004

342006

142550

ITEM #	DESCRIPTION
342000	Complete Pilling®-Wolvek Approximator and Fixation System Includes: 1 Approximator, 1 Locking Plate Crimper, 1 Wire Cutter, Stainless Steel Storage and Sterilizing 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	Pilling® 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 Sterilization 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.

ITEM #	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



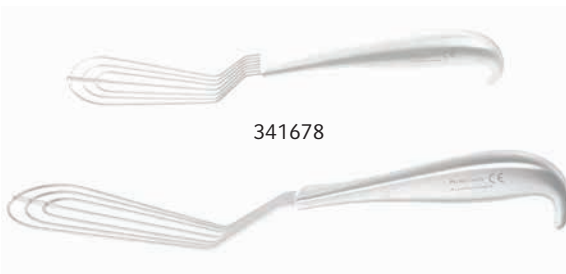
342040

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

ITEM #	DESCRIPTION
342040	10" (25.5 cm)

Hand-Held

ALLISON LUNG RETRACTORS



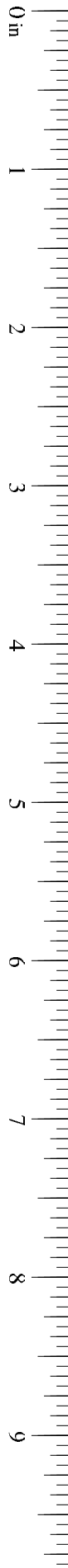
341678



341679

Wire, spatula-shaped blade.

ITEM #	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



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

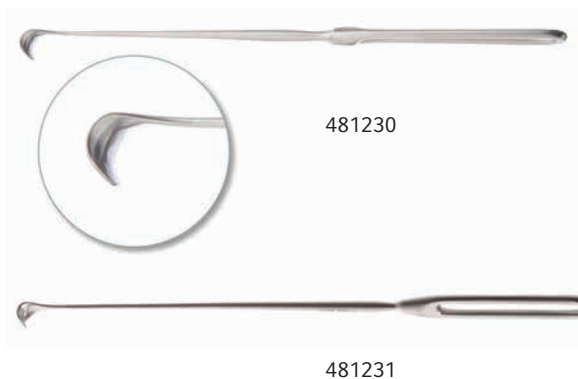
CUSHING NERVE AND VEIN RETRACTOR



Pilling® Pattern, satin finish.

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

CUSHING NERVE AND VEIN RETRACTORS



Weck® Pattern, bright finish.

ITEM #	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



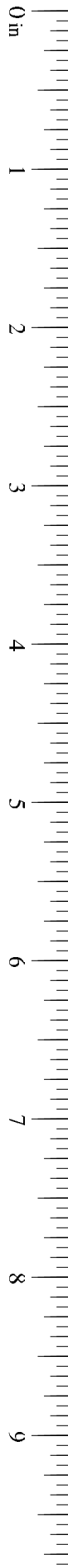
ITEM #	DESCRIPTION
341650	Small size, blade 2" (5 cm) wide, 7-3/4" (19.5 cm)
341651	Large size, blade 3-1/2" (9 cm) wide, 7-3/4" (19.5 cm)

HAIGHT RETRACTORS



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

ITEM #	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

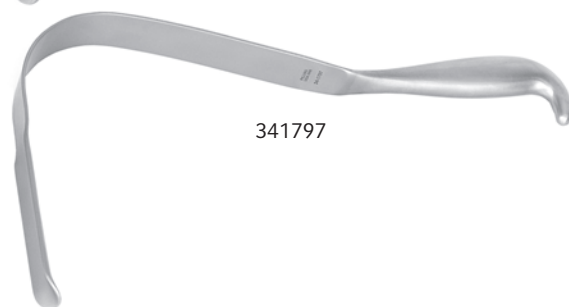
Designed to protect the T-1 cervical root from trauma by the rib shears or other instruments during posterior resection of the first rib. 14-1/4" (36 cm) length, 10" (25.5 cm) working length.

ITEM #	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.

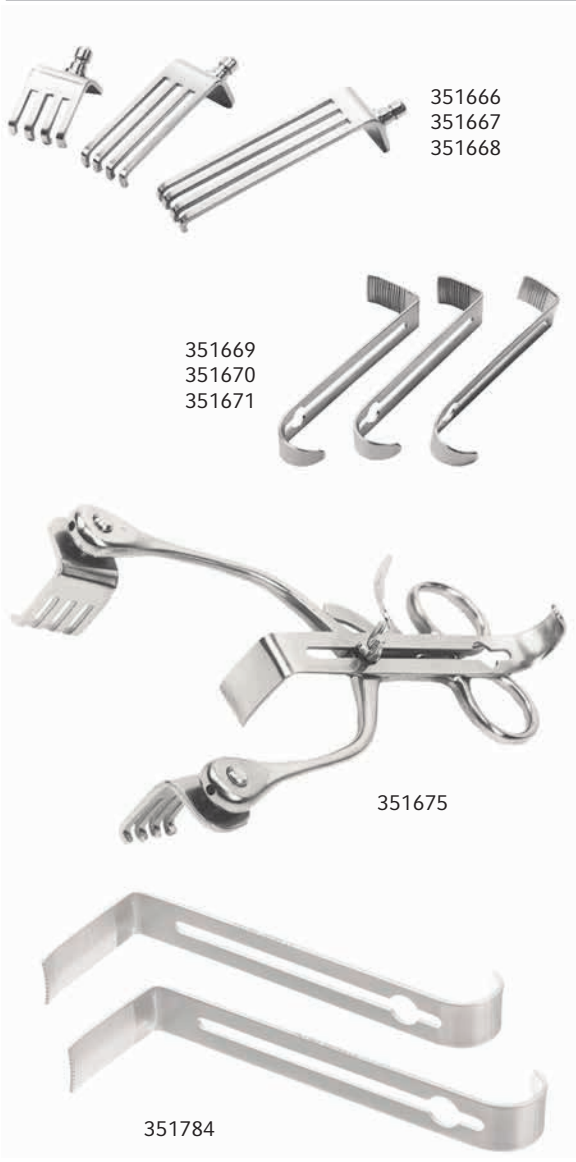
ITEM #	DESCRIPTION
341795	Short, 1" wide x 3-3/4" deep (2.5 x 9.5 cm) blade, 11-3/4" (30 cm)
341797	Long, 1" wide x 6-7/8" deep (2.5 x 17.5 cm) blade, 12-3/4" (32.5 cm)



CVT RETRACTORS

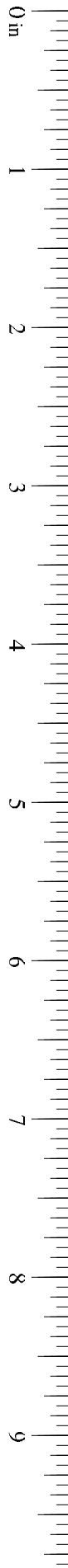
Henly-Type Retractors

PILLING® MULTIPURPOSE RETRACTORS



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.

ITEM #	DESCRIPTION
351666	Side blade 1-1/8" x 7/8" (3 x 2 cm) for 351675
351667	Side blade 2-1/8" x 7/8" (5.5 x 2 cm) for 351675
351668	Side blade 3-1/8" x 7/8" (8 x 2 cm) for 351675
351669	Center blade, 7/8" x 5/8" (2 x 1.5 cm) for 351675
351670	Center blade, 1-1/8" x 5/8" (3 x 1.5 cm) for 351675
351671	Center blade, 1-1/4" x 5/8" (3 x 1.5 cm) for 351675
351672	Center blade, 2" x 5/8" (5 x 1.5 cm) for 351675
351673	Center blade, 2-1/2" x 5/8" (6.5 x 1.5 cm) for 351675
351675	Pilling® Multipurpose Retractor, complete with: <ul style="list-style-type: none"> • 1 Frame • 3 Center Blades in sizes 3/4" (1.9 cm) 1" (2.5 cm), and 1-1/4" (3.1 cm) deep x 5/8" (1.6 cm) wide • 3 pair of Side Blades 1" (2.5 cm), 2" (5.1 cm), and 3" (7.5 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



With interchangeable center blades and side blades.

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

IMPROVED HENLY RETRACTOR SIDE BLADES



Shallow, medium and deep interchangeable sliding side blades.

ITEM #	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

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

MAINI RICHARDSON DOUBLE ENDED CENTER BLADE FOR HENLY RETRACTOR



351664

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

ORIGINAL HENLY POPLITEAL RETRACTOR



351779

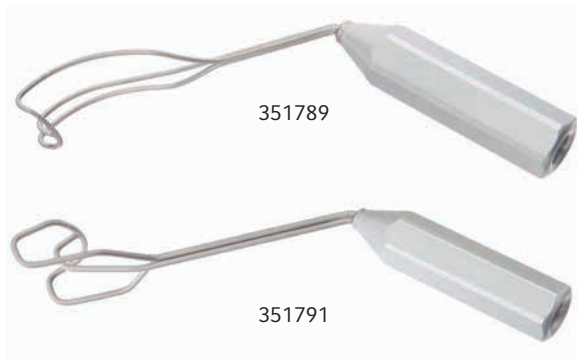
A modification of the Weitlaner Retractor with provisions for attachment of a third retractor blade for improved exposure in either the popliteal or carotid positions. Supplied with 3 center blades. The retraction surfaces of the center blades are grooved for soft tissue retraction.

ITEM #	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.

ITEM #	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 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

ITEM #	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.

ITEM #	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

DESMARRE VALVE RETRACTORS



351769

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

ITEM #	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.

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

REVUELTA GARCIA VALVE LEAFLET RETRACTOR



351747

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

VALVE INSTRUMENTS

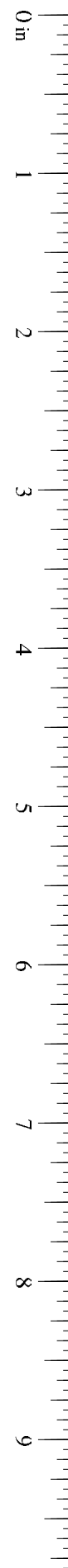
Valve Retractors

LEMOLE-PILLING® VALVE RETRACTOR



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.

ITEM #	DESCRIPTION	
341501	Lemole-Pilling® Valve Retractor Set #1 Fits Cooley and Chaux Sternal Retractors	
341502	Lemole-Pilling® Valve Retractor Set #2 Fits Morse-style Retractors	
341503	Lemole-Pilling® Valve Retractor Set #3 Fits Ankeney Retractor	
341506	Lemole-Pilling® Valve Retractor Set #1 with Cooley Retractor (341195)	
341511	Lemole-Pilling® T-Frame #1 only	
341512	Lemole-Pilling® T-Frame #2 only	
341513	Lemole-Pilling® T-Frame #3 only	
COMPLETE SET INCLUDES		QTY.
341520	Universal Clamp for Lemole	2
341522	Cooley Atrial Retractor, small, 9-1/2" (24 cm)	2
341523	Cooley Atrial Retractor, medium, 9-1/2" (24 cm)	1
341524	Cooley Atrial Retractor, large, 9-1/2" (24 cm)	1
341525	Malleable Atrial Retractor, 8-3/4" (22 cm)	2
341511, 341512, or 341513	T-Frame only for type #1, #2 and #3	1



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.

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

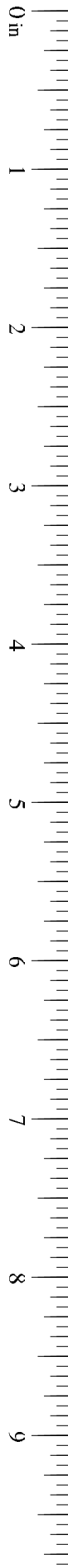
LEMOLE SELF RETAINING ATRIAL RETRACTOR



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.

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



VALVE INSTRUMENTS

Valve Retractors

LEMOLE SIDE ARM EXTENSION



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

ABLAZA-BLANCO CARDIAC VALVE RETRACTOR



Notched to prevent slippage in use.

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

BLANCO VALVE INSTRUMENTS



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).

ITEM #	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.

ITEM #	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 (page 1164), 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.

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

VALVE INSTRUMENTS

Aortic Valve Rongeurs

BAILEY AORTIC VALVE RONGEURS



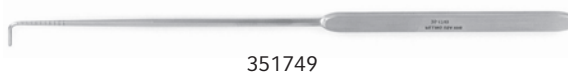
These instruments were designed for the removal of calcified material from the stenotic aortic valve. They have also proven useful in peripheral vascular surgery for trimming stenotic arteries and plaque removal. They are in six styles but all have the same 3.5 mm wide-bite. Working length 5-1/8" (13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

ITEM #	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



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

COARCTATION HOOK



Stainless steel.

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

DEBAKEY® VALVE HOOKS



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

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



VALVE INSTRUMENTS

Valve Hooks

MICRO VASCULAR NERVE HOOK



357532

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

SISSON NERVE HOOK



060120

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

REVUELTA-GARCIA VALVE MIRROR



351737

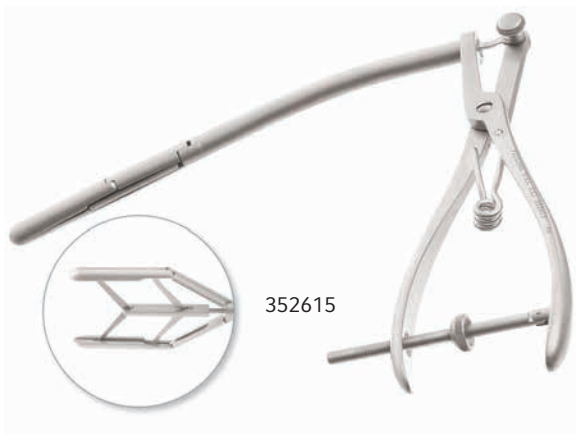
ITEM #	DESCRIPTION
351737	9" (23 cm)



VALVE INSTRUMENTS

Valve Dilators

GERBODE VALVE DILATOR



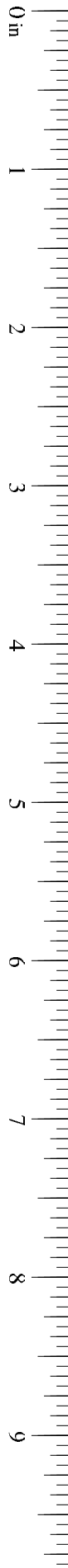
For retrograde fracture of the mitral valve through a small incision in the apex of the left ventricle. It has a regulating screw so that the mitral valve can be gradually fractured. May also be used for fracture of the aortic and pulmonary valves.

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

TUBBS VALVE DILATOR



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



VALVE INSTRUMENTS

Coronary Perfusion Catheters

JEHLE STERILE CORONARY CATHETERS



351476

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

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

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

NICHOLAS-JEHLE STERILE MULTI-HEADED PERFUSION CATHETER



351490

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

ITEM #	DESCRIPTION
351490	Box of 5

AORTIC PUNCHES

Providing surgeons with the precise performance they demand during CABG surgery

Teleflex® Premium Diamond Edge Aortic Punch

FREE-FLOAT CUTTING ACTION TECHNOLOGY

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

DUAL-CUTTING ACTION

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

PREMIUM DIAMOND-EDGE AORTIC PUNCH, FULL LENGTH



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

PREMIUM DIAMOND-EDGE AORTIC PUNCH, MID-LENGTH



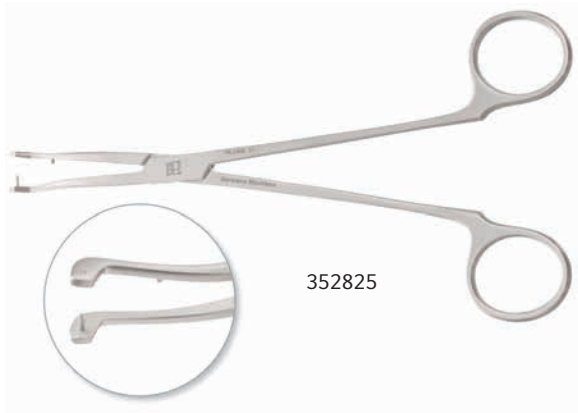
ITEM #	DESCRIPTION	SIZE	QUANTITY
MDP-28K	Mid-Length Sterile (6-3/4" Handle)	2.8 mm	6
MDP-36K	Mid-Length Sterile (6-3/4" Handle)	3.6 mm	6
MDP-40K	Mid-Length Sterile (6-3/4" Handle)	4.0 mm	6
MDP-44K	Mid-Length Sterile (6-3/4" Handle)	4.4 mm	6
MDP-48K	Mid-Length Sterile (6-3/4" Handle)	4.8 mm	6
MDP-52K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



AORTIC PUNCHES

Reusable Punches

WYLIE CALCIFIED ARTERIAL PUNCH

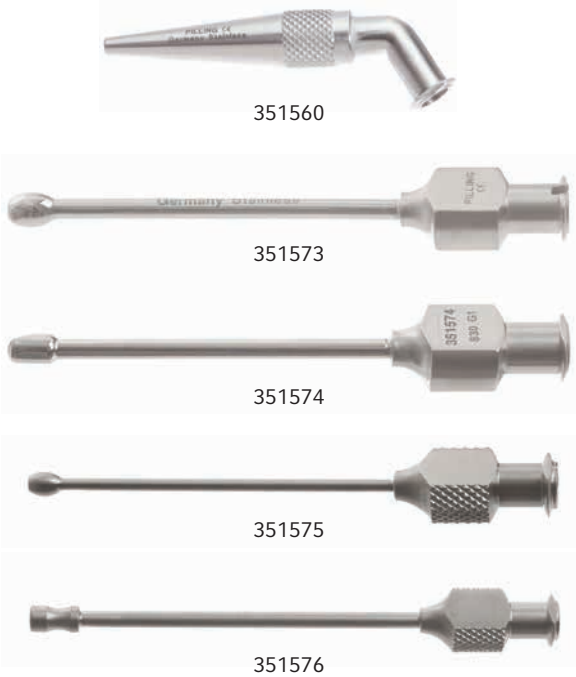


ITEM #	DESCRIPTION
352825	Punches 1.3 mm hole, 8" (20.5 cm)



HEPARIN CANNULAE

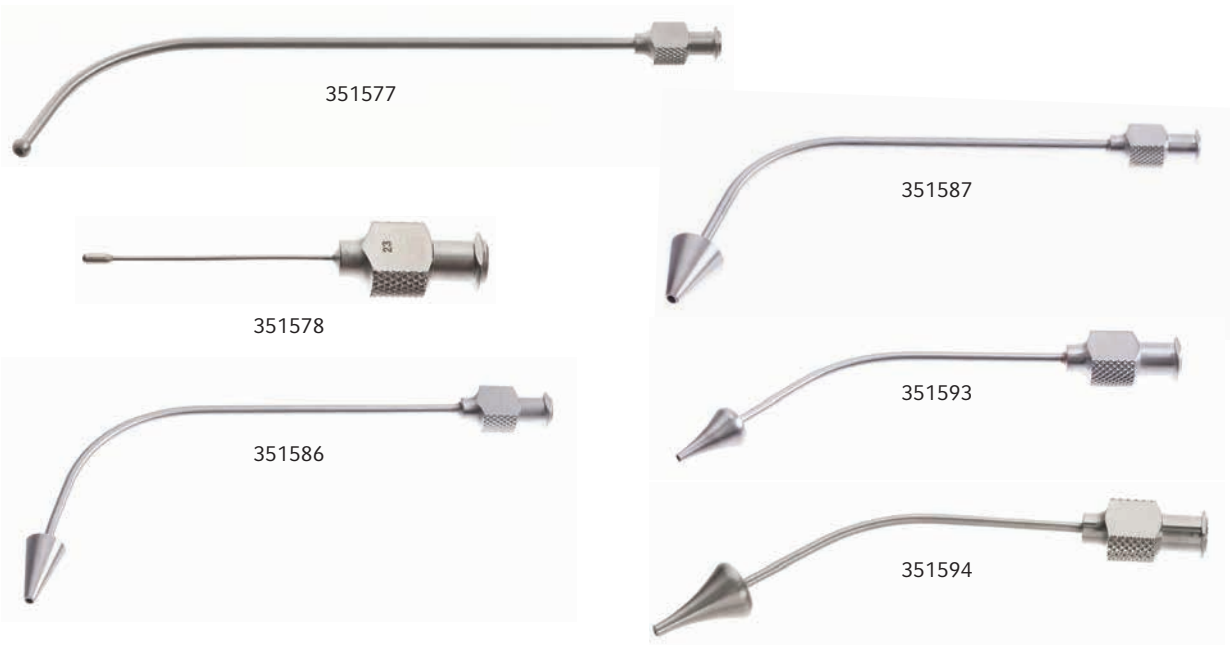
HEPARIN CANNULA WITH LUER-LOK



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.

ITEM #	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.

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

ANDREWS PYNCHON SUCTION TUBE



ITEM #	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.

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

COOLEY SUMP SUCTION TUBE



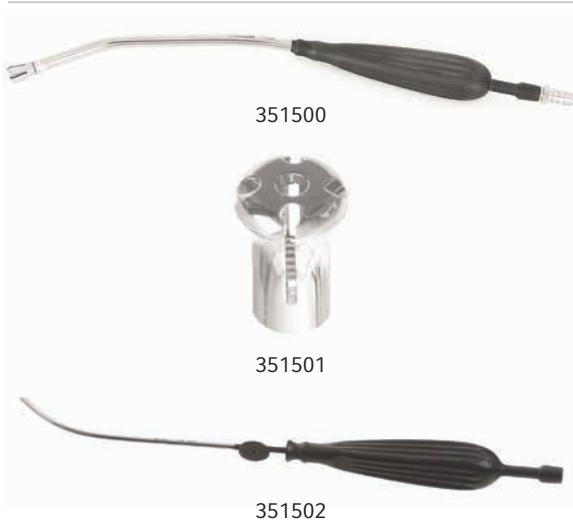
Long, removable perforated outer tube with internal extension provides for fluid removal by sump-drain principle. Entire tube removable from handle for cleaning and rotatable for convenience.

ITEM #	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.

ITEM #	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.

ITEM #	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.

ITEM #	DESCRIPTION
507335	Large lumen



SUCTION TUBES

LUER-LOCK CATHETER ADAPTER



For attachment of catheters to Luer-Lok® Syringes.

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

ABRAMS PLEURAL BIOPSY NEEDLE



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

ITEM #	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.

ITEM #	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

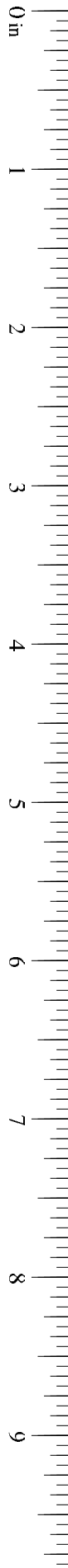
COOLEY DILATORS



355315

5" (12.5 cm) long, aluminum handle.

ITEM #	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



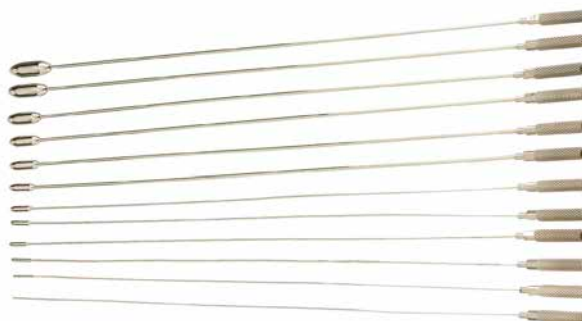
355287

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.

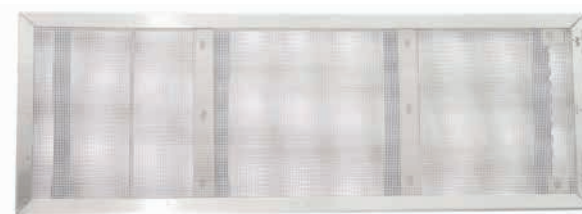
ITEM #	DESCRIPTION
355285	Set of 12, 7-1/2" (19 cm), in autoclavable stainless steel case
355287	Set of 12, 7-1/2" (19 cm), without case
355288	Coronary Set of 5, consists of 1.0 mm, 1.5 mm, 2.0 mm, 2.5 mm, and 3.0 mm, with a length of 7-1/2" (19 cm) without case
355286	Case for 355287
355295	1.0 mm, 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



ITEM #	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



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

Hiebert Design

HIEBERT DOUBLE-ENDED VASCULAR DILATORS



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

ITEM #	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



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

Mills-Type

MILLS VALVULOTOME

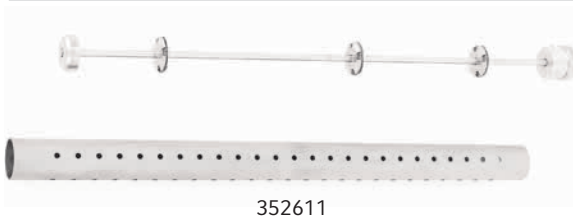


For CABG vein grafts.

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

In-Situ

IN-SITU VENOUS VALVULOTOME STERILIZING CASE



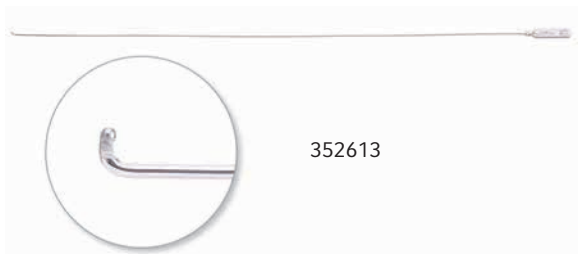
A sturdy, stainless steel sterilizing case that holds up to four valvulotomes.

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

VALVULOTOMES

In-Situ

IN-SITU VENOUS VALVULOTOME



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

ITEM #	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



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.

ITEM #	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)



MEDIASTINOSCOPY

Mediastinoscopes

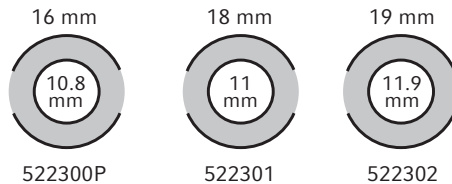
CARLENS MEDIASTINOSCOPES



522301

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

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



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

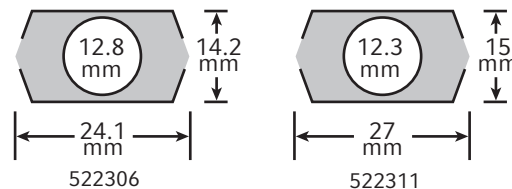
IMPROVED TUCKER MEDIASTINOSCOPE



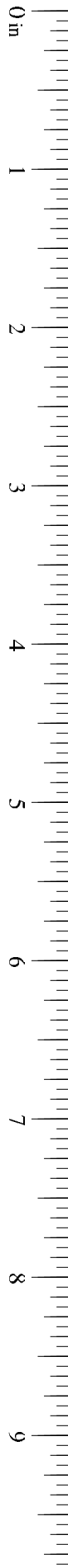
522311

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

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



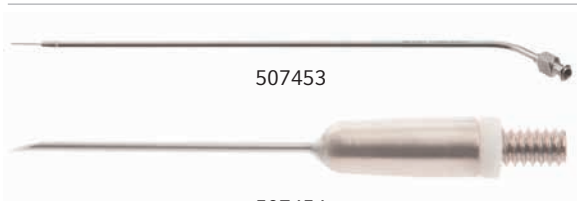
Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), **NOT TO SCALE**



MEDIASTINOSCOPY

Instrumentation

ASPIRATING NEEDLE



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

INSULATED SUCTION CAUTERY TUBE



Fully insulated with thumb-valve for controlled suction.

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

BOVIE CORD FOR SUCTION TUBE



For insulated suction.

ITEM #	DESCRIPTION
507046	10 ft (305 cm)



MEDIASTINOSCOPY

Instrumentation

BOVIE PENCIL HANDLE

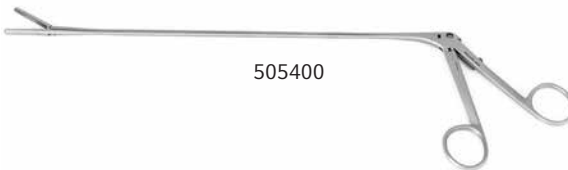


351970

With connecting cord.

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

JACKSON ALLIGATOR GRASPING FORCEPS



505400

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

JACKSON CUP FORCEPS - STANDARD, MEDIUM LIGHTWEIGHT



505100

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

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

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.

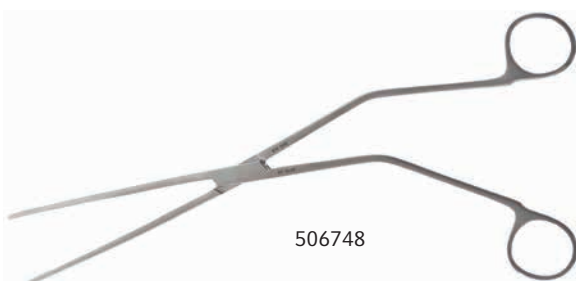
ITEM #	DESCRIPTION
505110	Straight, 2 mm diameter jaw, working length 20 cm
505112	Straight, 2 mm diameter jaw, working length 28 cm
505114	Angled, 2 mm diameter jaw, working length 20 cm
505116	Angled, 2 mm diameter jaw, working length 28 cm

PATTERSON ELONGATED CUP BITING FORCEPS



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

MEDIASTINAL BLUNT-TIPPED DISSECTING FORCEPS



ITEM #	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.

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

Scope Holders

TOBEY LARYNGOSCOPE HOLDER



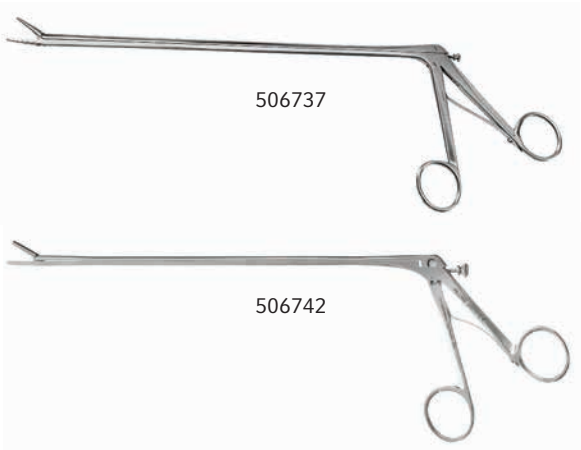
The laryngoscope/mediastinoscope holder with a quick attach/release mechanism that provides a secure hold of your laryngoscope. With the blue thumb tab mechanism on the Tobey Laryngoscope Holder, there is no more twisting or turning necessary to lock the laryngoscope into the holder. The Tobey Laryngoscope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

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

MEDIASTINOSCOPY

Clips and Appliers

ALLIGATOR APPLYING FORCEPS AND LIGATING CLIPS



For use with McKenzie "V" clips or Duane "U" clips. Jaw opening is controlled by screw mechanism in handle. Stainless steel. Length 9-3/4" (25 cm).

ITEM #	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



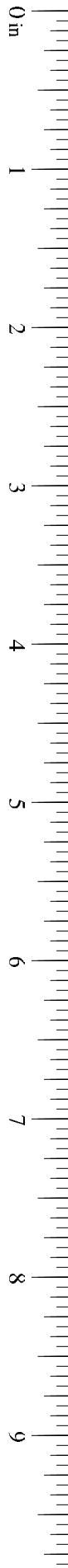
506744



506746



506749



VIDEO-ASSISTED THORACOSCOPY

Retractors

HEITMILLER MINI THORACOTOMY RETRACTOR



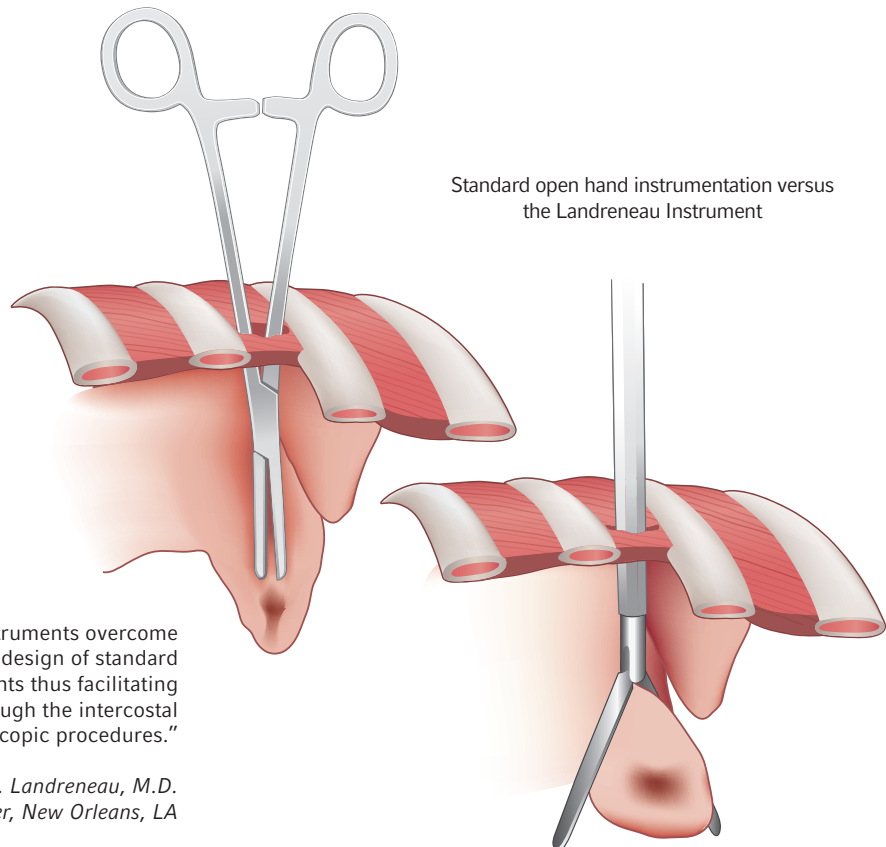
341310

Designed by Dr. Richard Heitmiller.

ITEM #	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 vedo 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 sterilization tray is available to protect your instrument investment.



Standard open hand instrumentation versus the Landreneau Instrument

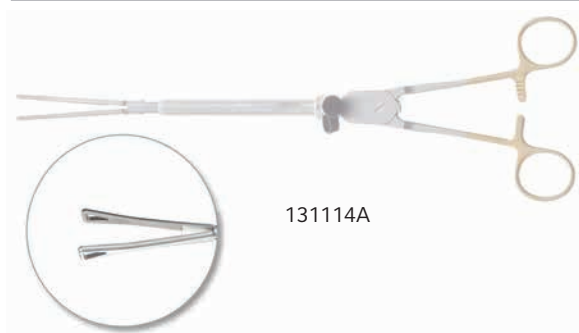
"The Landreneau design instruments overcome the limitations of the central hinge design of standard (open) hand surgical instruments thus facilitating instrument manipulation through the intercostal access during thoracoscopic procedures."

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

VIDEO ASSISTED THORACOSCOPY

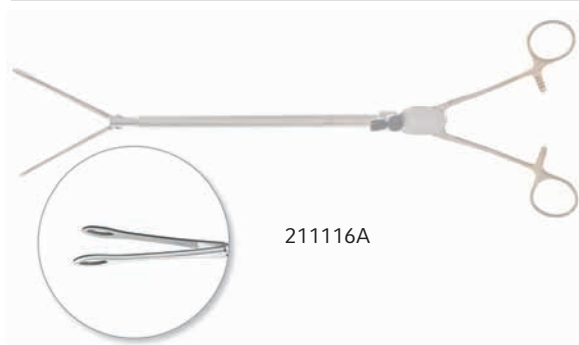
Landreneau Design

PENNINGTON GRASPING FORCEPS



ITEM #	DESCRIPTION
131114A	10 mm diameter, 13 cm shaft length, locking

STRAIGHT MASHER GRASPING FORCEPS

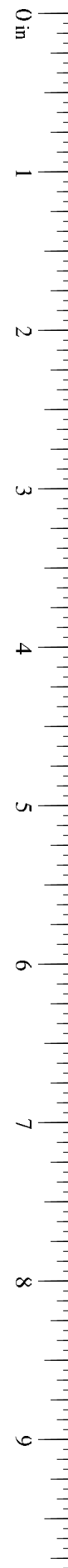


ITEM #	DESCRIPTION
211116A	Thin teardrop, 10 mm diameter, 21 cm shaft length, locking

CURVED MASHER GRASPING FORCEPS



ITEM #	DESCRIPTION
211117A	Thin teardrop, not designed for use with a 10 mm cannula, 21 cm shaft length, locking



VIDEO ASSISTED THORACOSCOPY

Landreneau Design

STRAIGHT MASHER GRASPING FORCEPS



ITEM #	DESCRIPTION
211118A	Round, not designed for use with a 10 mm cannula, 21 cm shaft length, locking

STRAIGHT DEBAKEY GRASPING FORCEPS



ITEM #	DESCRIPTION
211603A	10 mm diameter, 21 cm shaft length, locking

LAWRENCE FINE DISSECTING FORCEPS



ITEM #	DESCRIPTION
211245A	45 degree curve, not designed for use with a 10 mm cannula, 21 cm shaft length, locking

VIDEO ASSISTED THORACOSCOPY

Landreneau Design

MEEKER DISSECTING FORCEPS



ITEM #	DESCRIPTION
211290A	90 degree curve, not designed for use with a 10 mm cannula, 21 cm shaft length, locking

METZENBAUM SCISSORS CURVED

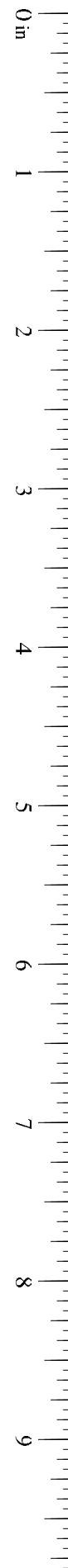


ITEM #	DESCRIPTION
211325A	10 mm diameter, 21 cm shaft length, non-locking

STRAIGHT SINGLE ACTION NEEDLE HOLDER



ITEM #	DESCRIPTION
215558A	5 mm diameter, 21 cm shaft length, locking





VIDEO ASSISTED THORACOSCOPY

Landreneau Design

LANDRENEAU THORACOSCOPY TRAY



211500

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

LANDRENEAU THOROSCOPY SET



211600

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

KAISER-PILLING® INSTRUMENTS

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

Unique instruments with a “No Cannula” technique provide you with a versatility not found before in thoracoscopy procedures.

Elimination of cannulas allows for the use of traditional patterns of instruments that have been elongated and shaped to meet the special needs of the thoracoscopist. These new-dimensioned instruments provide you with the familiar feel, weight

and balance to which you are accustomed. This means you can rely on the practiced hand movements used in open procedures. The accessories extend your “reach” even farther.

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

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





VIDEO ASSISTED THORACOSCOPY

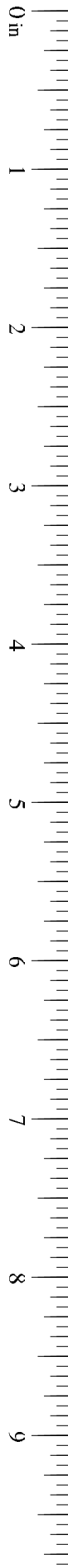
Kaiser-Pilling® Design

KAISER-PILLING® SHORT JAW RING FORCEPS



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

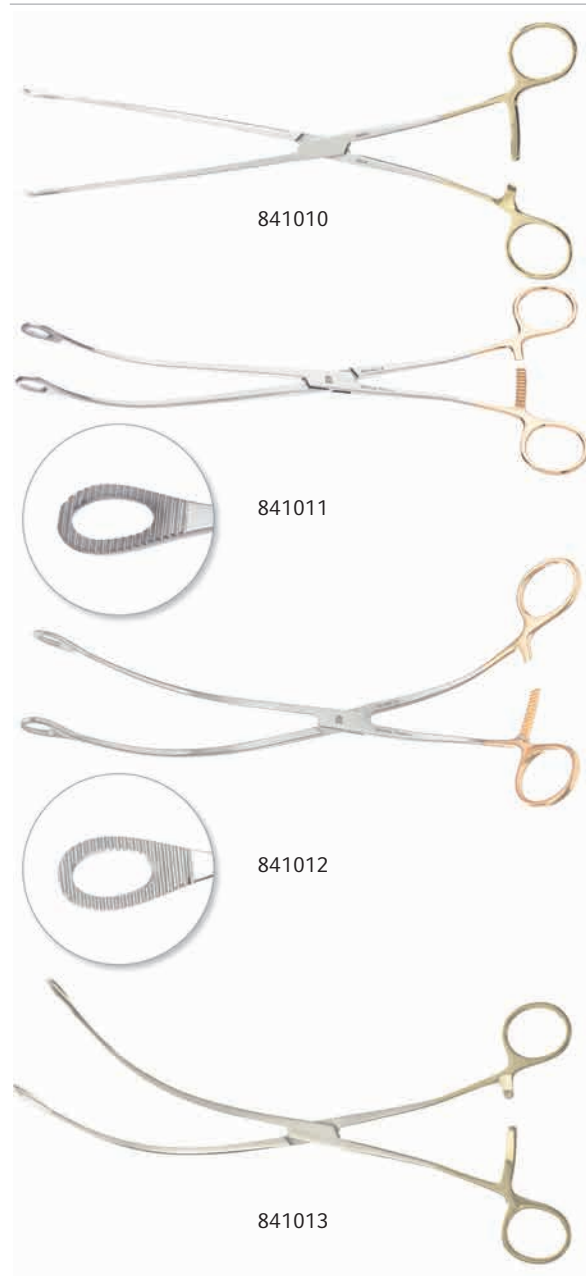
ITEM #	DESCRIPTION
841030	Straight (1S), 12-5/8" (32 cm)
841031	Curved (2S), 12-1/8" (31 cm)
841032	C-shaped (4S), 10-7/8" (28 cm)
841033	Curved on side (3S), 12" (30.5 cm)
841034	Curved handle, 11-7/8" (30 cm)



VIDEO ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® LONG JAW RING FORCEPS



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

ITEM #	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)





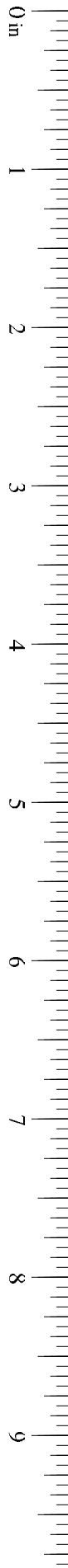
VIDEO ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® THORACOSCOPIC FORCEPS



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



VIDEO ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® DEBAKEY®-TYPE RING FORCEPS



1 x 11 ratchets.

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

KAISER-PILLING® DEBAKEY®-TYPE ALLIS RING FORCEPS



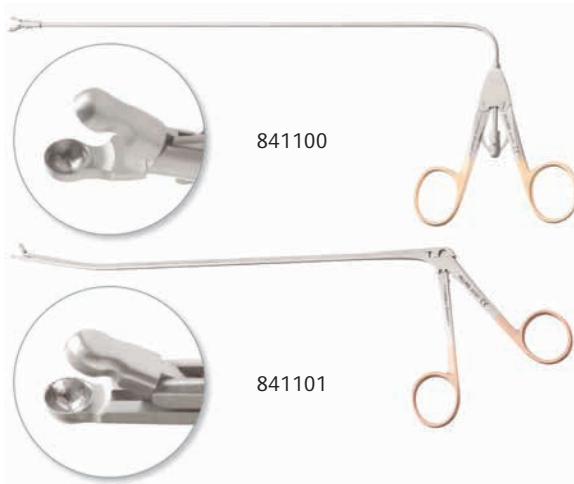
ITEM #	DESCRIPTION
841150	2 x 3 DeBakey®-type Jaws, 21 mm, 12" (31 cm)



VIDEO ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® BIOPSY FORCEPS



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

KAISER-PILLING® ANGLE SICKLE KNIFE

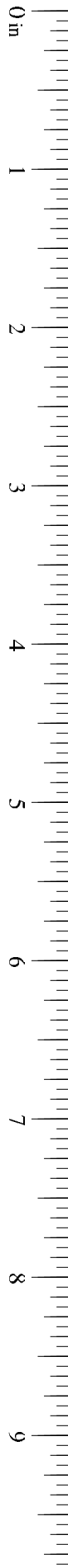


ITEM #	DESCRIPTION
841330	Sharp tip, 13" length (33 cm)

KAISER-PILLING® BLUNT HOOK



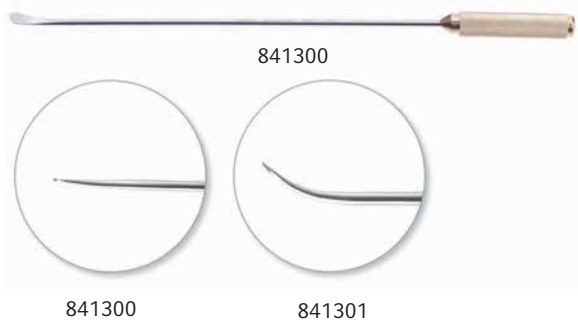
ITEM #	DESCRIPTION
841401	Insulated, 13" (33 cm)



VIDEO ASSISTED THORACOSCOPY

Kaiser-Pilling® Design

KAISER-PILLING® SPATULA



14" (35.5 cm).

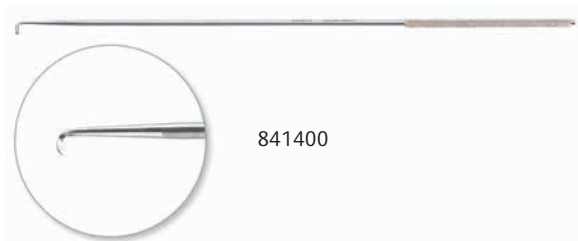
ITEM #	DESCRIPTION
841300	Slight curve
841301	Acute curve
841302	Straight

KAISER-PILLING® ANDREWS SUCTION



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

KAISER-PILLING® HOOK



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



VIDEO ASSISTED THORACOSCOPY

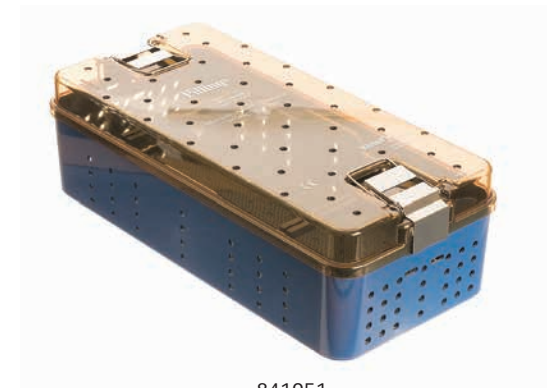
Kaiser-Pilling® Design

KAISER-PILLING® SUCTION WITH THUMB VALVE

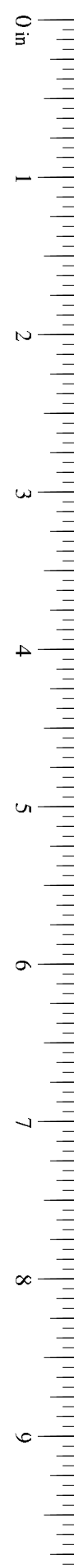


ITEM #	DESCRIPTION
841350	13-1/4" (33.5 cm)

KAISER-PILLING® STERILIZING TRAY



ITEM #	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

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

LEMMON INTIMA DISSECTORS



355191

ITEM #	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.

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

FREER DOUBLE END ELEVATOR



355194

Pilling® Pattern, satin finish.

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

MISCELLANEOUS CVT

Marking Rings

MARKING RING-VEIN GRAFT



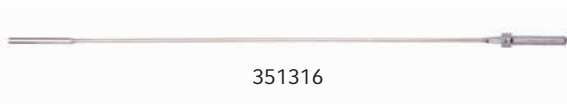
355834

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.

ITEM #	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.

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

MISCELLANEOUS CVT

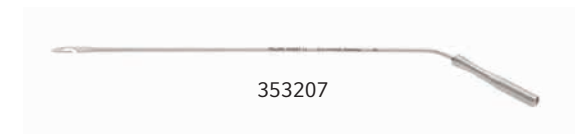
Tourniquet Stylets

REPLACEMENT STYLET FOR RUMEL TOURNIQUET



ITEM #	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

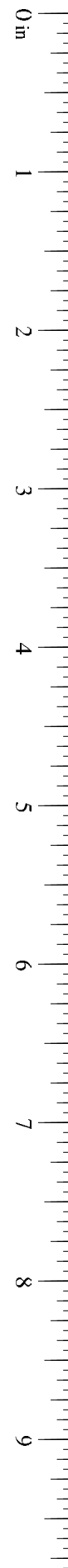


ITEM #	DESCRIPTION
353207	Often used with rubber tubing and Identi-Loops, 7" (18 cm)

STYLET FOR WECK® STYLE RUMEL TOURNIQUET



ITEM #	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



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.

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

CRAWFORD-COOLEY GRAFT TUNNELER



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

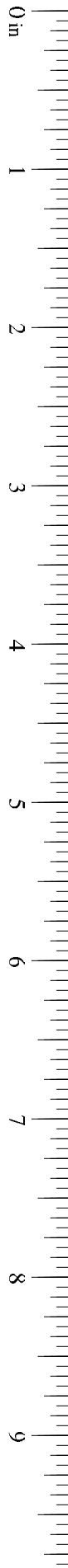
ITEM #	DESCRIPTION
355497	Tube slightly curved, 12 mm I.D., 17-1/2" (44.5 cm)

DEBAKEY® FEMORAL BYPASS TUNNELER



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.

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



MISCELLANEOUS CVT

Tunnelers

GARRETT VEIN PASSER



355492

355490

The removable grasping stylet is designed for use in implanting the saphenous vein in femoral position.

ITEM #	DESCRIPTION
355492	Removable, blunt bullet head 16 mm diameter used to create tunnel, 22-1/8" (56.5 cm)
355490	Tip only Garrett Vein Passer

HALLMAN TUNNELING FORCEPS



355493

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



SPECIALTY SETS

Pilling® Micro Vascular Set

PILLING® MICRO VASCULAR SET OF 11 INSTRUMENTS



357651



357652



357653



357654



357655

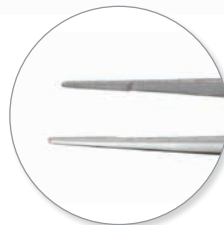


357656

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



357657



357658

SPECIALTY SETS

Pilling® Micro Vascular Set

PILLING® MICRO VASCULAR SET OF 11 INSTRUMENTS



357659



357660



357661



357650



429594



SPECIALTY SETS

Vascular Access Set

THE PILLING® VASCULAR ACCESS SET



355600

COMPLETE SET:

355600 W.G.H. Pilling® Vascular Access Set complete with stainless steel storage case.
341010 Stainless steel case for Pilling® Vascular Access Set.

Designed for all Angle Access procedures — not just A-V Fistula — a logically planned set of instruments suited for:

- End-to-end, end-to-side, A-V Fistula — any extremity.
- Fistulas with graft.
- External shunts.



341010

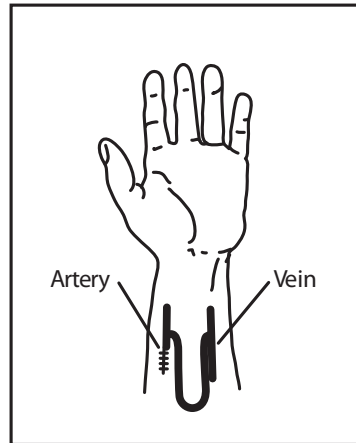
SPECIALTY SETS

Vascular Access Set

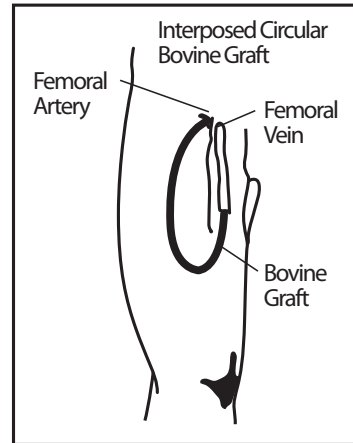
Vascular Access Sets suited for:



Brescia A-V Fistula side to side



A-V Fistula with external shunt



A-V Fistula with graft

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

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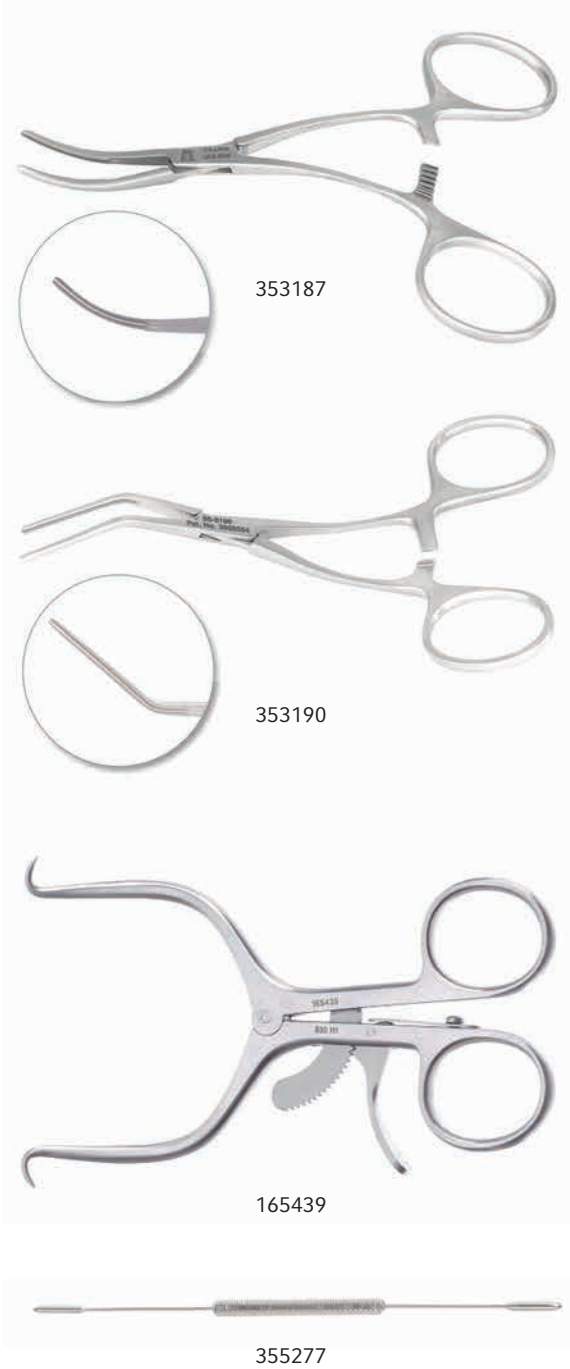
9



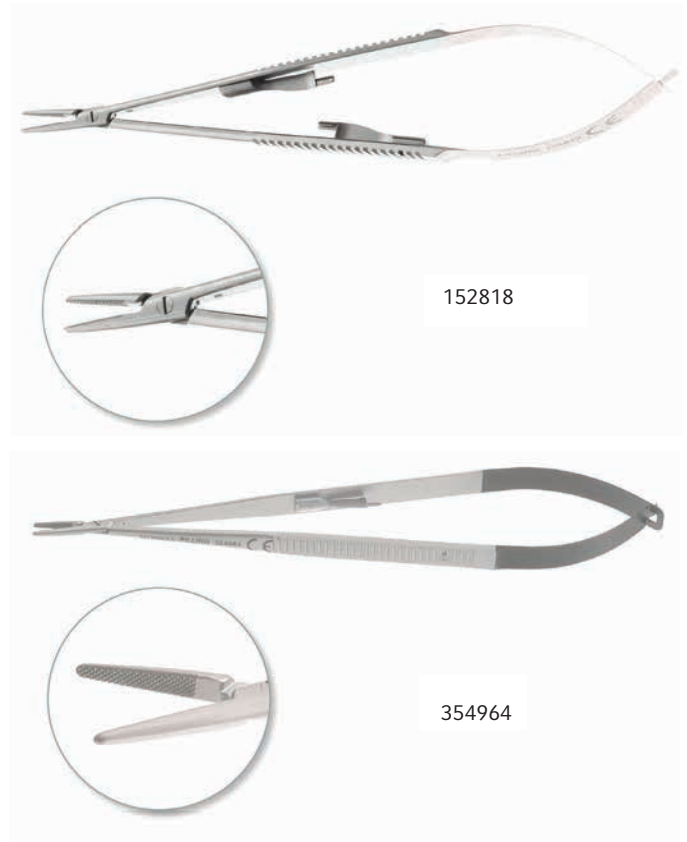
SPECIALTY SETS

Vascular Access Set

THE PILLING® VASCULAR ACCESS SET



ITEM #	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

THE PILLING® VASCULAR ACCESS SET (CONTINUED)



352145

ITEM #	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)



353600



351830



351575



351827

