

SH MEDEXPERTS
BY SILKY HORIZON

CARDIOVASCULAR & THORACIC (CVT) CATALOGUE

World-Class High Quality



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 OFFICE NO.1 FIRST FLOOR, MUZAFFAR CHAMBER BLUE AREA ISLAMABAD, PAKISTAN

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SH MEDEXPERTS

SURGICAL INSTRUMENTS

Quality that Build Confidence



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

Today, SH Medexperts upholds its tradition of delivering high-quality, hand-crafted instruments designed to meet the precise needs of surgeons.

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



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INSTRUMENTATION SERVICES

In addition to providing our customers with a comprehensive product line of surgical instruments,

SH Medexperts also offers the following services:

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

For more information on these services, please contact your A Surgitronix Sales Specialist or customer service at **+92-310-7770441**



SH MEDEXPERTS INSTURCTIONS



SCALES AND GAUGES



CONVERSION SCALE

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

FAHRENHEIT AND CENTIGRADE SCALES

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

SCALES AND GAUGES



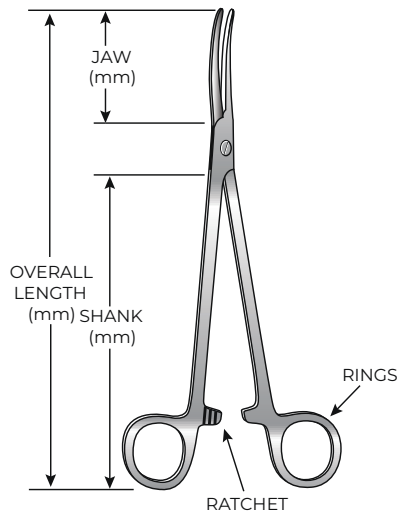
COMPARATIVE SCALES OR GAUGES

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

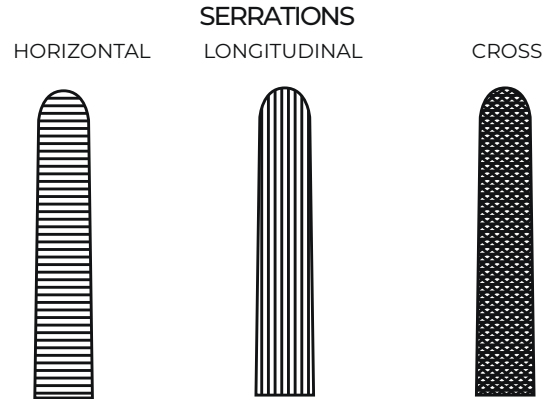
DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
7	14	21	
7-1/3		22	12
7-1/2	15		
7-2/3		23	13
8	16	24	
8-1/3		25	14
8-1/2	17		
8-2/3		26	15
9	18	27	16
9-1/3		28	17
9-1/2	19		
9-2/3		29	
10	20	30	18
10-1/3		31	19
10-1/2	21		
10-2/3		32	20
11	22	33	21
11-1/3		34	22
11-1/2	23		
11-2/3		35	23
12	24	36	24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

MEASURING GUIDELINES AND COMMON JAW PATTERNS OF SURGICAL INSTRUMENTS

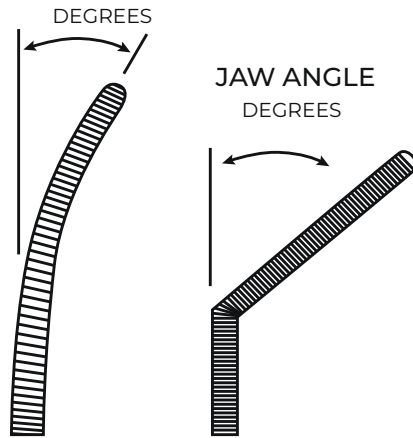
High quality, handcrafted instrument measurements will vary slightly. Instruments in this catalog are stainless steel unless otherwise noted.



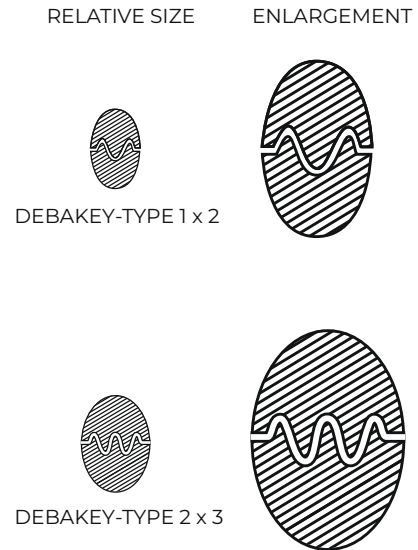
COMMON JAW SURFACES FOUND ON HEMOSTATS AND CLAMPS



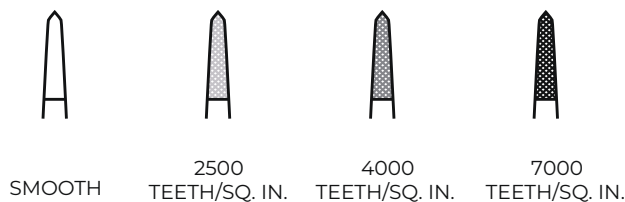
JAW CURVATURE



JAW CROSS SECTIONS

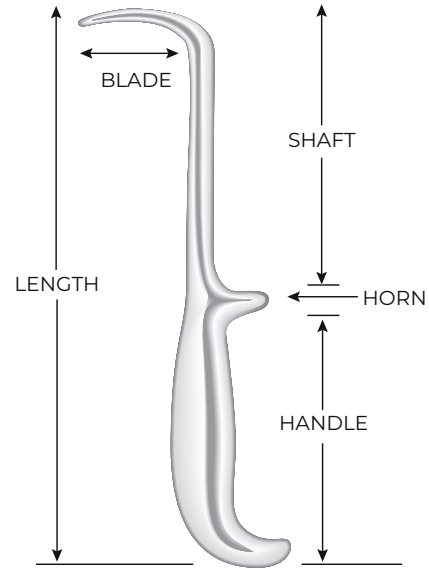
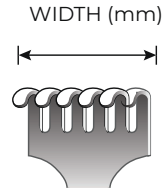
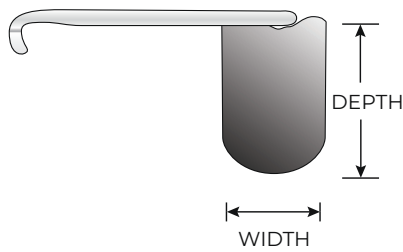
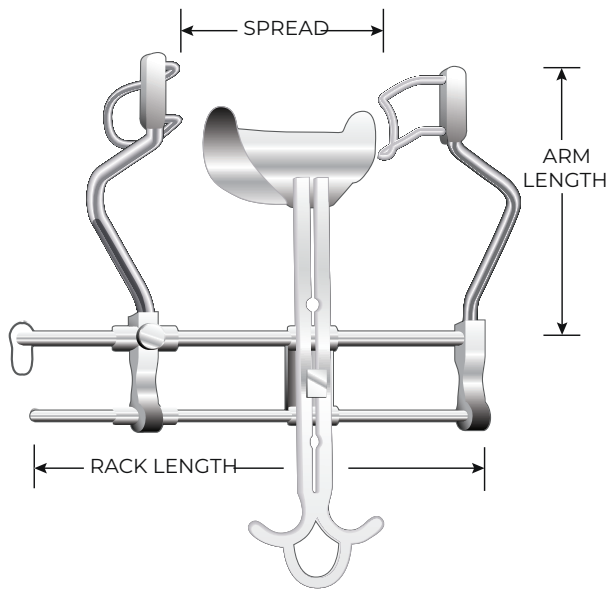


COMMON SURFACES FOUND ON NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS

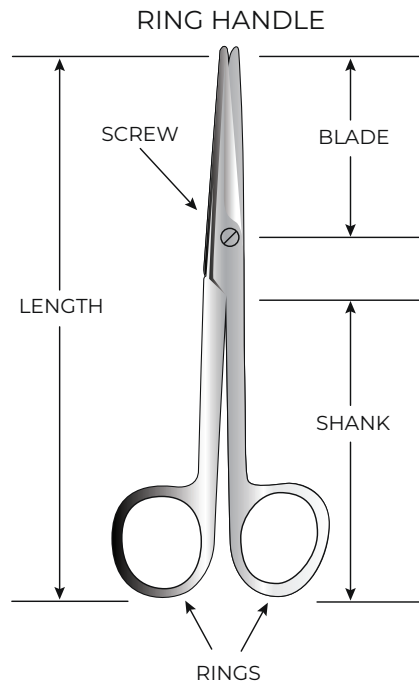
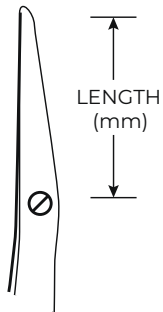


SH MEDEXPERTS INSTURCTIONS

FROM INNER SURFACE OF SIDE BLADES



BLADE LENGTH



BLADE CURVATURE DEGREES



Overview

CVT FORCEPS AND CLAMPS

Tissue Forceps



DEBAKEY THORACIC TISSUE FORCEPS



AI-CV-01-001



AI-CV-01-001

AI-CV-01-005

The row of 1 by 2 DeBakey-type Serrations on the tips are designed to be large and strong enough to handle relatively large masses of tissue. Because of the groove construction and light spring tension, they may be used to hold and handle suture material as well. These forceps are of heavier design than the DeBakey Vascular Tissue Forceps (351800 through 351814). The distal portion is tapered to a 3 mm DeBakey-type Tip.

CATALOG #	DESCRIPTION
AI-CV-01-001	Straight, 3 mm tip, 6-1/8" (15.5 cm)
AI-CV-01-002	Straight, 3 mm tip, 7-3/4" (19.5 cm)
AI-CV-01-003	Straight, 3 mm tip, 9-1/2" (24 cm)
AI-CV-01-004	Straight, 3 mm tip, 12" (30.5 cm)
AI-CV-01-005	Angled, 3 mm tip, 12" (30.5 cm)

DEBAKEY VASCULAR TISSUE FORCEPS



AI-CV-01-006



AI-CV-01-010

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

CATALOG #	DESCRIPTION
AI-CV-01-006	Straight, 2 mm tip, 6" (15 cm)
AI-CV-01-007	Straight, 2 mm tip, 7-3/4" (19.5 cm)
AI-CV-01-008	Straight, 2 mm tip, 9-1/2" (24 cm)
AI-CV-01-009	Straight, 2 mm tip, 12" (30.5 cm)
AI-CV-01-010	Angled, 2 mm tip, 6" (15 cm)
AI-CV-01-011	Angled, 2 mm tip, 7-3/4" (19.5 cm)
AI-CV-01-012	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.



AI-CV-01-014

CATALOG #	DESCRIPTION
AI-CV-01-013	Regular forceps, 6" (15 cm), TC
AI-CV-01-014	Regular forceps, 7-3/4" (19.5 cm), TC
AI-CV-01-015	Regular forceps, 9-1/2" (24 cm), TC
AI-CV-01-016	Delicate forceps, 7-3/4" (19.5 cm), TC
AI-CV-01-017	Delicate forceps, 9-1/2" (24 cm), TC



AI-CV-01-016

DEBAKEY ULTRALIGHT FORCEPS



Approximately one-half the weight of the 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.



AI-CV-01-019

CATALOG #	DESCRIPTION
AI-CV-01-018	1.5 mm tip, 6" (15 cm)
AI-CV-01-019	1.5 mm tip, 7-3/4" (19.5 cm)

CVT FORCEPS AND CLAMPS

Tissue Forceps



VASCULAR DEBAKEY BAYONET TISSUE FORCEPS



AI-CV-01-020



AI-CV-01-021

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

CATALOG #	DESCRIPTION
AI-CV-01-020	Standard, 2.0 mm tip, 7-3/4" (19.5 cm)
AI-CV-01-021	Fine, 1.3 mm tip, 7-3/4" (19.5 cm)

DEBAKEY DIETHRICH DELICATE VASCULAR TISSUE FORCEPS



AI-CV-01-023



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

CATALOG #	DESCRIPTION
AI-CV-01-022	Straight, 1 mm tip, delicate, 1 mm tip, 6" (15 cm)
AI-CV-01-023	Straight, 1 mm tip, delicate, 1 mm tip, 7-3/4" (19.5 cm)
AI-CV-01-024	Straight, 1 mm tip, delicate, 1 mm tip, 9-1/2" (24 cm)

DEBAKEY DIETHRICH DIAMA-GRIP TISSUE FORCEPS



AI-CV-01-025



CATALOG #	DESCRIPTION
AI-CV-01-025	Straight, 1.3 mm tip, 7-3/4" (20 cm)



CVT FORCEPS AND CLAMPS

Tissue Forceps

COOLEY JAW VASCULAR TISSUE FORCEPS



AI-CV-01-026

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

CATALOG #	DESCRIPTION
AI-CV-01-026	6-1/4" (16 cm)
AI-CV-01-027	8" (21 cm)
AI-CV-01-028	9-1/2" (24 cm)

CORONARY ULTRA FINE TISSUE FORCEPS



AI-CV-01-030

CATALOG #	DESCRIPTION
AI-CV-01-029	7" (18 cm)
AI-CV-01-030	8" (21 cm)
AI-CV-01-031	9" (23 cm)

GERALD DRESSING FORCEPS



AI-CV-01-032

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

CATALOG #	DESCRIPTION
AI-CV-01-032	Serrated, 7" (18 cm)
AI-CV-01-033	Serrated, 9-3/4" (25 cm)

GERALD DRESSING FORCEPS



AI-CV-01-034

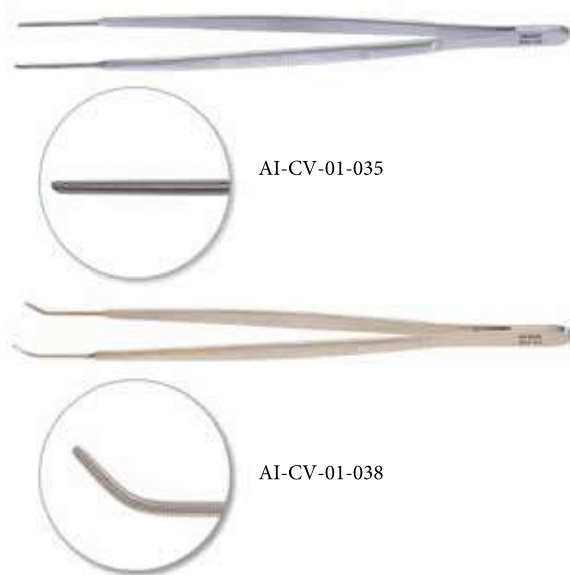
CATALOG #	DESCRIPTION
AI-CV-01-034	Straight, serrated, 1.1 mm tip, 6-7/8" (17.5 cm), TC

CVT FORCEPS AND CLAMPS

Tissue Forceps



GERALD DEBAKEY TISSUE FORCEPS



Delicate, tapered DeBakey-type Jaws.

CATALOG #	DESCRIPTION
AI-CV-01-035	7" (18 cm)
AI-CV-01-036	8" (20.5 cm)
AI-CV-01-037	9-1/2" (24 cm)
AI-CV-01-038	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.

CATALOG #	DESCRIPTION
AI-CV-01-039	1 x 2 teeth, 7" (18 cm)
AI-CV-01-040	1 x 2 teeth, 9-3/4" (25 cm)

CVT FORCEPS AND CLAMPS

Tissue Forceps



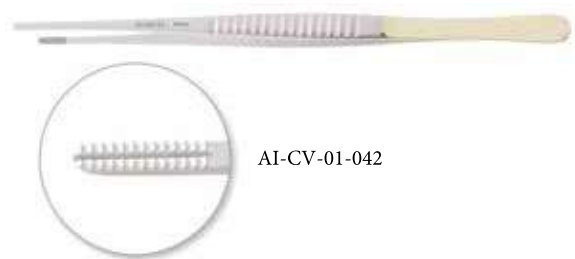
GERALD DIAMA-GRIP DRESSING FORCEPS



AI-CV-01-041

CATALOG #	DESCRIPTION
AI-CV-01-041	Straight, 1.1 mm tip, 7" (18 cm)

CARDIAC VALVE FORCEPS



AI-CV-01-042

CATALOG #	DESCRIPTION
AI-CV-01-042	9-1/2" (25 cm)

WHEELER TECHNIQUE PLAQUE AND VESSEL FORCEPS



AI-CV-01-044

Very powerful grip at tips.

CATALOG #	DESCRIPTION
AI-CV-01-043	DeBakey-type Jaw, 1.6 mm, 5-1/2" (14 cm)
AI-CV-01-044	DeBakey-type Jaw, 1.6 mm, 7-1/8" (18 cm)
AI-CV-01-045	DeBakey-type Jaw, 1.6 mm, 8-3/4" (22 cm)

NELSON TISSUE FORCEPS



AI-CV-01-046

CATALOG #	DESCRIPTION
AI-CV-01-046	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.



AI-CV-01-047

CATALOG #	DESCRIPTION
AI-CV-01-047	9" (23 cm)

TUTTLE THORACIC TISSUE FORCEPS



Light construction. Ring tips 6.8 mm wide.



AI-CV-01-048

CATALOG #	DESCRIPTION
AI-CV-01-048	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.



AI-CV-01-049

CATALOG #	DESCRIPTION
AI-CV-01-049	Straight, 7-7/8" (20 cm)

CVT FORCEPS AND CLAMPS

Micro Forceps



MICRO TYING FORCEPS



AI-CV-01-052



AI-CV-01-053

Round handle, 8 mm diameter.

CATALOG #	DESCRIPTION
AI-CV-01-050	Straight 0.5 mm wide tip with platform, 6" (15 cm)
AI-CV-01-051	Curved 0.5 mm wide tip with platform, 6" (15 cm)
AI-CV-01-052	Straight 0.5 mm wide tip with platform, 7-1/8" (18 cm)
AI-CV-01-053	Curved 0.5 mm wide tip with platform, 7-1/8" (18 cm)

TEW TYING FORCEPS



AI-CV-01-055

Straight jaw with longitudinal serrations.

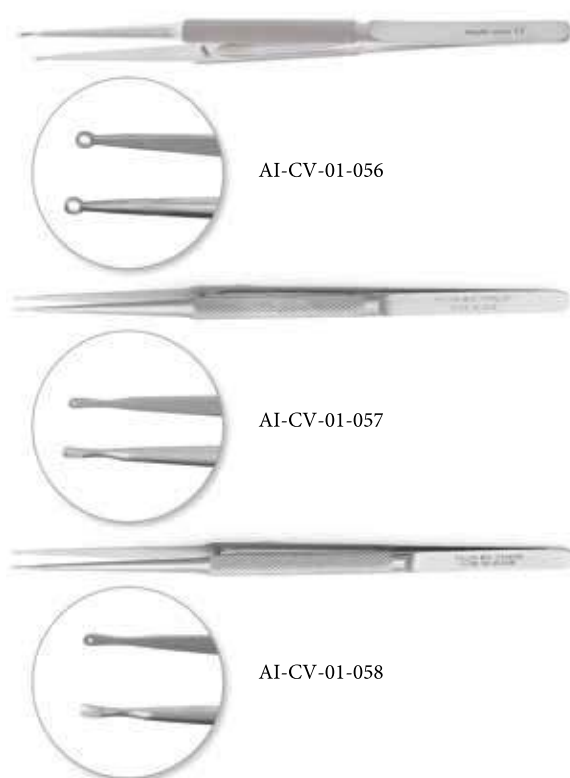
CATALOG #	DESCRIPTION
AI-CV-01-054	Straight, 0.6 mm tip, 7-1/8" (18 cm)
AI-CV-01-055	Straight, 1 mm tip, 7-1/8" (18 cm)

CVT FORCEPS AND CLAMPS

Micro Forceps



MICRO RING TIP FORCEPS



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

CATALOG #	DESCRIPTION
AI-CV-01-056	Saphenous/aorta, 1.5 mm ring tip forceps, 7" (18 cm)
AI-CV-01-057	Mammary/coronary, 0.5 mm ring tip forceps, 7" (18 cm)
AI-CV-01-058	Mammary/coronary, 0.5 mm ring tip forceps, 7-3/4" (20 cm)

MICRO DIAMA-GRIP RING FORCEPS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-01-059	Small ring tip, 1 mm, 7" (18 cm)
AI-CV-01-060	Small ring tip, 1.2 mm, 8" (21 cm)
AI-CV-01-061	Large ring tip, 1.5 mm, 7" (18 cm)

CVT FORCEPS AND CLAMPS

Micro Forceps



DENIS MICRO RING FORCEPS

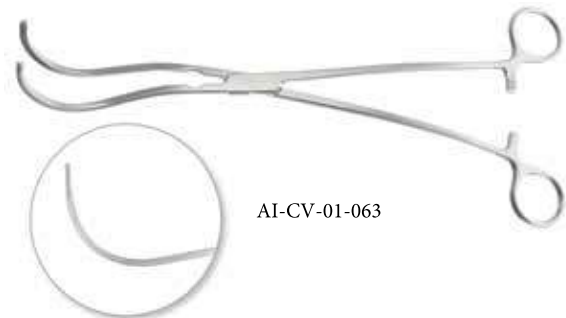


AI-CV-01-062

CATALOG #	DESCRIPTION
AI-CV-01-062	Straight, smooth, 1 mm tip, Diama-Grip jaws, 8-1/4" (21 cm)

Ligature Carriers

DARLING TAPE PASSING CLAMP "AORTA GO AROUND"

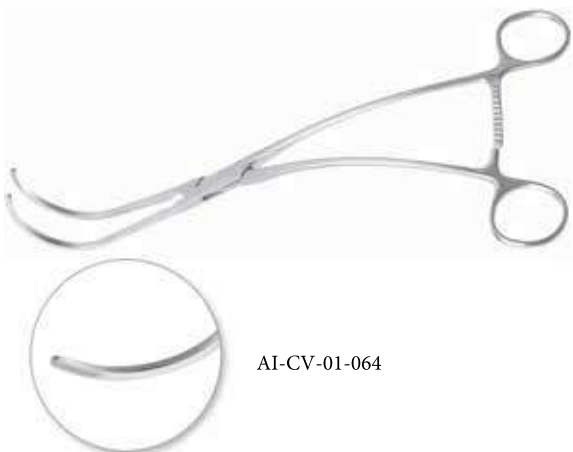


AI-CV-01-063

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

CATALOG #	DESCRIPTION
AI-CV-01-063	Curved, DeBakey Jaw, 2" (5 cm) tip length, curved shaft, 11-3/4" (29.5 cm)

DEBAKEY MODIFIED SEMB LIGATURE CARRIER



AI-CV-01-064

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.

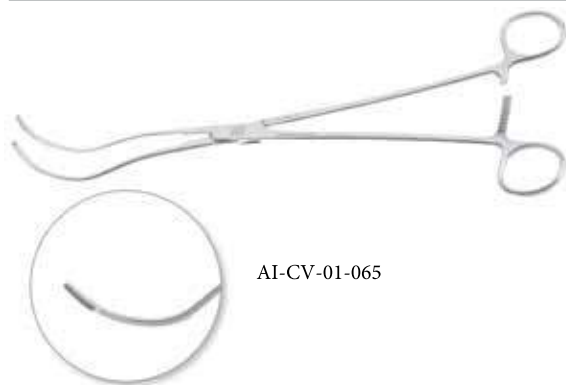
CATALOG #	DESCRIPTION
AI-CV-01-064	10-3/8" (26.5 cm)

CVT FORCEPS AND CLAMPS

Ligature Carriers



FAVALORO-SEMB LIGATURE CARRIERS



AI-CV-01-065

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

CATALOG #	DESCRIPTION
AI-CV-01-065	Half curved, 11-1/4" (28.5 cm)
AI-CV-01-066	Full curved, 10-7/8" (27.5 cm)

SEMB DISSECTING FORCEPS



AI-CV-01-067

For dissecting and breaking adhesions.

CATALOG #	DESCRIPTION
AI-CV-01-067	Slight curve, 10-1/4" (26 cm)

SEMB LIGATURE FORCEPS



AI-CV-01-068

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

CATALOG #	DESCRIPTION
AI-CV-01-068	9-3/4" (25 cm)

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps



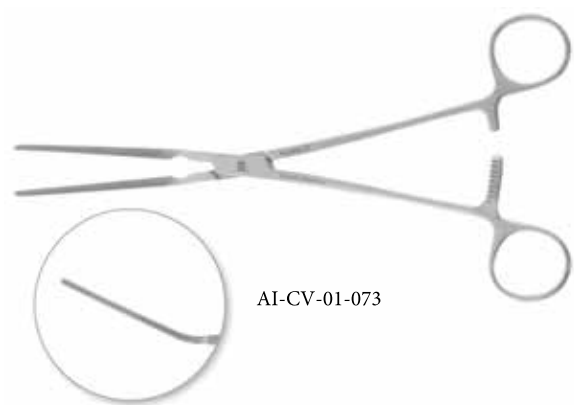
BABCOCK TISSUE FORCEPS



AI-CV-01-072

CATALOG #	DESCRIPTION
AI-CV-01-069	6-1/4" (16 cm)
AI-CV-01-070	7-7/8" (20 cm)
AI-CV-01-071	Serrated, 3/8" (9.5 mm) jaw, 9-1/2" (24 cm)
AI-CV-01-072	Serrated, 1/2" (12.5 mm) jaw, 9-1/2" (24 cm)

BRONCHUS CLAMP

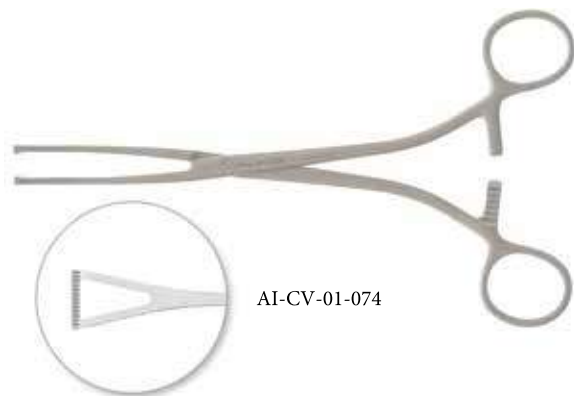


AI-CV-01-073

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

CATALOG #	DESCRIPTION
AI-CV-01-073	9" (23 cm)

COLLIN LUNG TISSUE FORCEPS



AI-CV-01-074

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

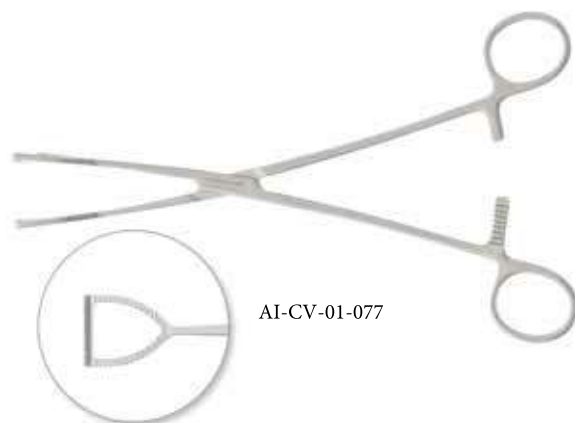
CATALOG #	DESCRIPTION
AI-CV-01-074	5/8" (16 mm) jaw, 8" (20.5 cm)
AI-CV-01-075	1-1/8" (28.5 mm) jaw, 8" (20.5 cm)
AI-CV-01-076	1-1/8" (28.5 mm) jaw, 9" (23 cm)

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps



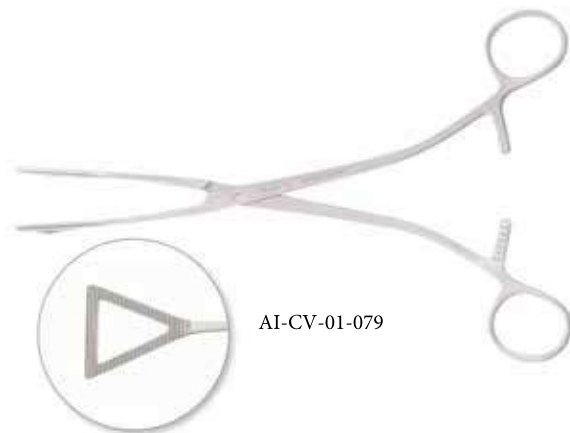
DEBAKEY LUNG GRASPING FORCEPS



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

CATALOG #	DESCRIPTION
AI-CV-01-077	9" (23 cm)

DUVAL LUNG TISSUE FORCEPS



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

CATALOG #	DESCRIPTION
AI-CV-01-078	8" (21 cm)
AI-CV-01-079	9" (23 cm)

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps



LEES BRONCHUS CLAMPS



AI-CV-01-080

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

CATALOG #	DESCRIPTION
AI-CV-01-080	Right angle, 8-1/8" (20.5 cm)
AI-CV-01-081	Angled, 10" (25.5 cm)

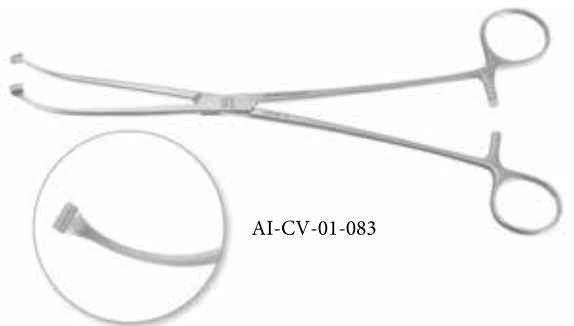
LOVELACE LUNG TISSUE FORCEPS



AI-CV-01-082

CATALOG #	DESCRIPTION
AI-CV-01-082	Angled to side, 1" (2.5 cm) DeBakey-type Jaw, 7-1/2" (19 cm)

REVUELTA-GARCIA ALLIS CURVED CLAMPS



AI-CV-01-083

Half curved, DeBakey Jaw.

CATALOG #	DESCRIPTION
AI-CV-01-083	10-1/8" (25.5 cm)
AI-CV-01-084	10-7/8" (27.5 cm)

CVT FORCEPS AND CLAMPS

Bronchus and Lung Clamps



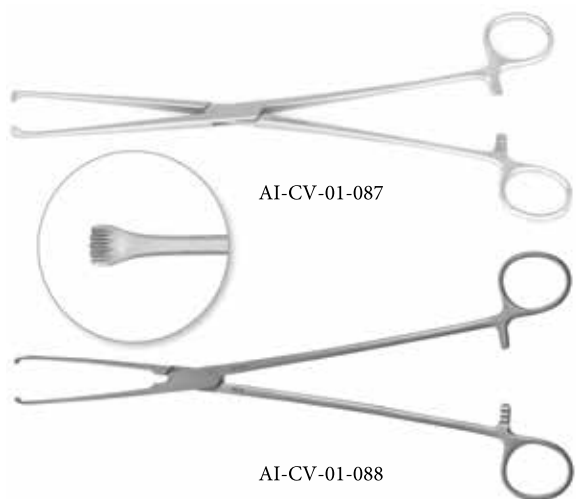
SAROT BRONCHUS CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-01-085	Right
AI-CV-01-086	Left

WILLAUER-ALLIS TISSUE FORCEPS



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

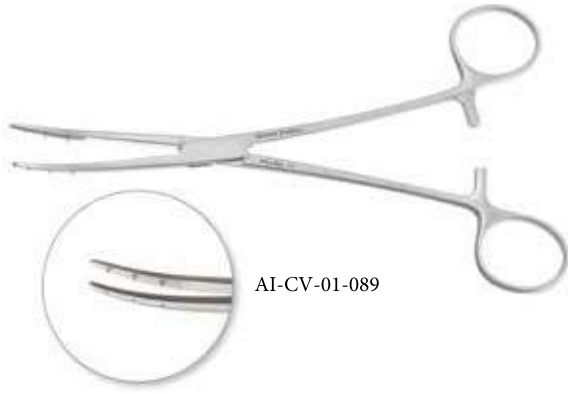
CATALOG #	DESCRIPTION
AI-CV-01-087	10" (25.5 cm)
AI-CV-01-088	11-1/4" (28.5 cm)

CVT FORCEPS AND CLAMPS

Chest Drain Pulling Clamp



CHEST DRAIN PULLING CLAMP



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

CATALOG #	DESCRIPTION
AI-CV-01-089	8-5/8" (22 cm)

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



DEBAKEY CROSS ACTION BULLDOG CLAMPS



AI-CV-02-001



AI-CV-02-002



AI-CV-02-003



AI-CV-02-006

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

CATALOG #	DESCRIPTION
AI-CV-02-001	Straight, 3/4" (2 cm) tip length, 3-1/8" (8 cm)
AI-CV-02-002	Straight, 1-1/8" (3 cm) tip length, 3-1/2" (9 cm)
AI-CV-02-003	Straight, 2" (5 cm) tip length, 4-1/4" (11 cm)
AI-CV-02-004	Straight, 2-5/8" (6.8 cm) tip length, 4-7/8" (12.5 cm)
AI-CV-02-005	Curved, 5/8" (1.5 cm) tip length, 2-7/8" (7.5 cm)
AI-CV-02-006	Curved, 1" (2.5 cm) tip length, 3-1/4" (8 cm)
AI-CV-02-007	Curved, 1-5/8" (4 cm) tip length, 3-7/8" (10 cm)
AI-CV-02-008	Curved, 2-1/8" (5.5 cm) tip length, 4-1/4" (11 cm)



AI-CV-02-008

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



DIETHRICH BULLDOG CLAMPS

Low tension clamps for coronary arteries.

CATALOG #	DESCRIPTION
AI-CV-02-009	Straight, 3/8" (9.5 mm) jaw
AI-CV-02-010	Straight, 1/2" (12 mm) jaw
AI-CV-02-011	Straight, 3/4" (20 mm) jaw
AI-CV-02-012	Angled, 5/16" (8 mm) jaw
AI-CV-02-013	Angled, 1/2" (12 mm) jaw
AI-CV-02-014	Angled, 3/4" (20 mm) jaw



AI-CV-02-009



AI-CV-02-010



AI-CV-02-011



AI-CV-02-013



AI-CV-02-012



AI-CV-02-014

EFFLER-GROVES SPECIAL LIGHTWEIGHT BULLDOG CLAMP

Delicate model for clamping the mammary artery.

CATALOG #	DESCRIPTION
AI-CV-02-015	2-3/4" (7 cm)



AI-CV-02-015



BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



GLOVER STYLE BULLDOG CLAMPS



AI-CV-02-016



AI-CV-02-017



AI-CV-02-018



AI-CV-02-020

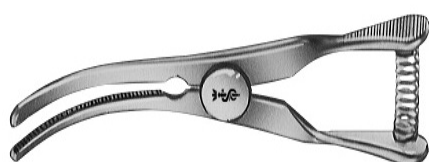
With DeBakey-type Jaws. These clamps are designed to permit regulation of the tension by means of an adjusting screw. The largest sizes are made specifically for temporary occlusion of large arteries such as the carotid, subclavian and iliac.

CATALOG #	DESCRIPTION
AI-CV-02-016	Straight, 3/4" (2 cm) jaw, 2-1/4" (5.5 cm)
AI-CV-02-017	Straight, 1-1/4" (3.5 cm) jaw, 2-3/4" (7 cm)
AI-CV-02-018	Straight, 1-5/8" (4 cm) jaw, 3-1/2" (9 cm)
AI-CV-02-019	Curved, 5/8" (1.5 cm) jaw, 2" (5 cm)
AI-CV-02-020	Curved, 1" (2.5 cm) jaw, 2-1/2" (6 cm)
AI-CV-02-021	Curved, 1-3/8" (3.5 cm) jaw, 3-1/8" (8 cm)
AI-CV-02-022	Angled, 1-1/4" (3.5 cm) jaw, 1-7/8" (5 cm)



AI-CV-02-022

BULLDOG CLAMP CVD 45 MM 19 MM MICRO



AI-CV-02-023

CATALOG #	DESCRIPTION
AI-CV-02-023	45 MM 19 MM Micro

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



HESS ANGULAR MOSQUITO TIP SERREFINE



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

CATALOG #	DESCRIPTION
AI-CV-02-024	2-1/8" (5.5cm)

JACOBSON BULLDOG CLAMPS



CATALOG #	DESCRIPTION
AI-CV-02-025	Straight, 1-7/8" (5 cm)
AI-CV-02-026	Curved, 1-5/8" (4.5 cm)

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



JOHNS HOPKINS (BLALOCK) BULLDOG CLAMPS



AI-CV-02-027



AI-CV-02-028



AI-CV-02-029

CATALOG #	DESCRIPTION
AI-CV-02-027	Straight, 1-1/2" (4 cm)
AI-CV-02-028	Straight, 1-7/8" (5 cm)
AI-CV-02-029	Straight, 2-1/4" (5.5 cm)
AI-CV-02-030	Curved, 1-1/2" (4 cm)
AI-CV-02-031	Curved, 1-7/8" (5 cm)
AI-CV-02-032	Curved, 2-1/2" (6.5 cm)
AI-CV-02-033	Curved, 3" (7.5 cm)



AI-CV-02-031



AI-CV-02-032

SANTULLI ANGULAR MODEL BULLDOG CLAMP



AI-CV-02-034

CATALOG #	DESCRIPTION
AI-CV-02-034	Angled, DeBakey Jaw length 1-5/8" (4 cm)

BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



SENNING FEATHERWEIGHT BULLDOG CLAMPS



AI-CV-02-035



AI-CV-02-036



AI-CV-02-037



AI-CV-02-038

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

CATALOG #	DESCRIPTION
AI-CV-02-035	No. 1, Strong
AI-CV-02-036	No. 2, Medium Strong
AI-CV-02-037	No. 3, Medium Light
AI-CV-02-038	No. 4, Light



BULLDOG AND MICRO VESSEL CLAMPS

Bulldog Clamps



WOOD BULLDOG CLAMPS



AI-CV-02-039



AI-CV-02-040



AI-CV-02-042



AI-CV-02-043

Strong closing pressure.

CATALOG #	DESCRIPTION
AI-CV-02-039	Straight, 3/8" (8 mm) jaw, 1-3/4" (4.5 cm)
AI-CV-02-040	Straight, 1/2" (12 mm) jaw, 1-7/8" (5 cm)
AI-CV-02-041	Straight, 3/4" (19 mm) jaw, 2" (5 cm)
AI-CV-02-042	Angled, 3/8" (8 mm) jaw, 1-5/8" (4 cm)
AI-CV-02-043	Angled, 1/2" (12 mm) jaw, 1-3/4" (4.5 cm)
AI-CV-02-044	Angled, 3/4" (19 mm) jaw, 1-7/8" (5 cm)



AI-CV-02-044

WYLIE LUMBAR BULLDOG CLAMP



AI-CV-02-045

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

CATALOG #	DESCRIPTION
AI-CV-02-045	7/8" (2 cm) jaw, 3" (7.5 cm)

BULLDOG AND MICRO VESSEL CLAMPS

Micro Vessel Clamps



BRACHIAL LARGE VESSEL CLIPS



AI-CV-02-046

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

CATALOG #	DESCRIPTION
AI-CV-02-046	Straight
AI-CV-02-047	Tapered

BULLDOG CLAMP APPLYING FORCEPS



AI-CV-02-048

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

CATALOG #	DESCRIPTION
AI-CV-02-048	9-1/2" (24 cm)

KLEINERT-KUTZ MICRO VESSEL CLIPS



AI-CV-02-050



AI-CV-02-052

CATALOG #	DESCRIPTION
AI-CV-02-049	Straight blade, 1 x 3 mm, 0.34" (8.5 mm)
AI-CV-02-050	Straight blade, 1 x 5 mm, 0.40" (10 mm)
AI-CV-02-051	Angled blade, 1 x 5 mm
AI-CV-02-052	Curved blade, 1 x 6 mm

BULLDOG AND MICRO VESSEL CLAMPS

Micro Vessel Clamps



TEMPORARY OCCLUSION CLIPS



AI-CV-02-053

CATALOG #	DESCRIPTION
AI-CV-02-053	7 x 2 mm blade
AI-CV-02-054	12 x 2 mm blade

LOUISVILLE MICRO VESSEL APPROXIMATOR WITH CLIPS



AI-CV-02-055

With suture staying frame.

CATALOG #	DESCRIPTION
AI-CV-02-055	1.5 x 8 mm blades, 1/2" (12.5 mm) bar
AI-CV-02-056	1 x 5 mm blades, 7/16" (11 mm) bar

KLEINERT-KUTZ MICRO CLIP APPLYING FORCEPS



AI-CV-02-057

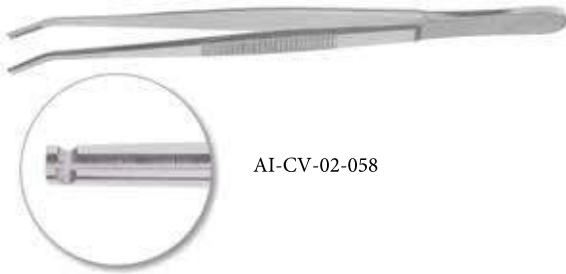
CATALOG #	DESCRIPTION
AI-CV-02-057	2-1/2" (6.5 cm)

BULLDOG AND MICRO VESSEL CLAMPS

Micro Vessel Clamps



RIZZUTI ANGLED MICRO CLIP APPLYING FORCEPS



AI-CV-02-058

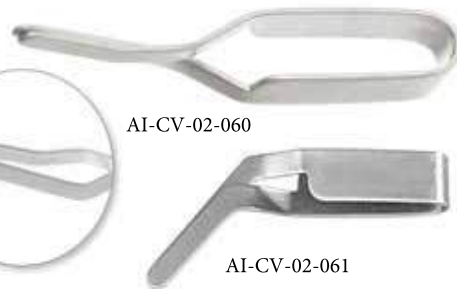
Applier opens approximator simultaneously or individually.

CATALOG #	DESCRIPTION
AI-CV-02-058	5-1/2" (14 cm)

SCHWARTZ MICRO-BULLDOG CLAMPS



AI-CV-02-059



AI-CV-02-060

AI-CV-02-061

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

CATALOG #	DESCRIPTION
AI-CV-02-059	Straight
AI-CV-02-060	Slight curve
AI-CV-02-061	Acute curve

SCHWARTZ CLAMP HOLDING FORCEPS



AI-CV-02-062

CATALOG #	DESCRIPTION
AI-CV-02-062	7-1/2" (19 cm)

BULLDOG AND MICRO VESSEL CLAMPS

Micro Vessel Clamps



RENAL PERFUSION CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-02-063	10 mm x 15 mm DeBakey-type Jaw (Pediatric, single renal artery)
AI-CV-02-064	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



AI-CV-02-065



AI-CV-02-066



AI-CV-02-067



AI-CV-02-068



AI-CV-02-069

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

CATALOG #	DESCRIPTION
AI-CV-02-065	Straight, 7 mm
AI-CV-02-066	Straight, 8 mm
AI-CV-02-067	Angled, 9 mm
AI-CV-02-068	Slight curve, 9 mm
AI-CV-02-069	Applying forceps for Micro-Aneurysm Clips, 7-1/2" (19 cm)

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



BULLDOG AND MICRO VESSEL CLAMPS

Micro Vessel Clamps



MINI-ANEURYSM BULLDOG CLIPS AND APPLIERS



AI-CV-02-070



AI-CV-02-071



AI-CV-02-072



AI-CV-02-073

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

CATALOG #	DESCRIPTION
AI-CV-02-070	Straight, 4 mm
AI-CV-02-071	Straight, 6 mm
AI-CV-02-072	Curved, 7 mm
AI-CV-02-073	Applying forceps for Mini-Aneurysm Clips, 8-1/4" (21 cm)

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

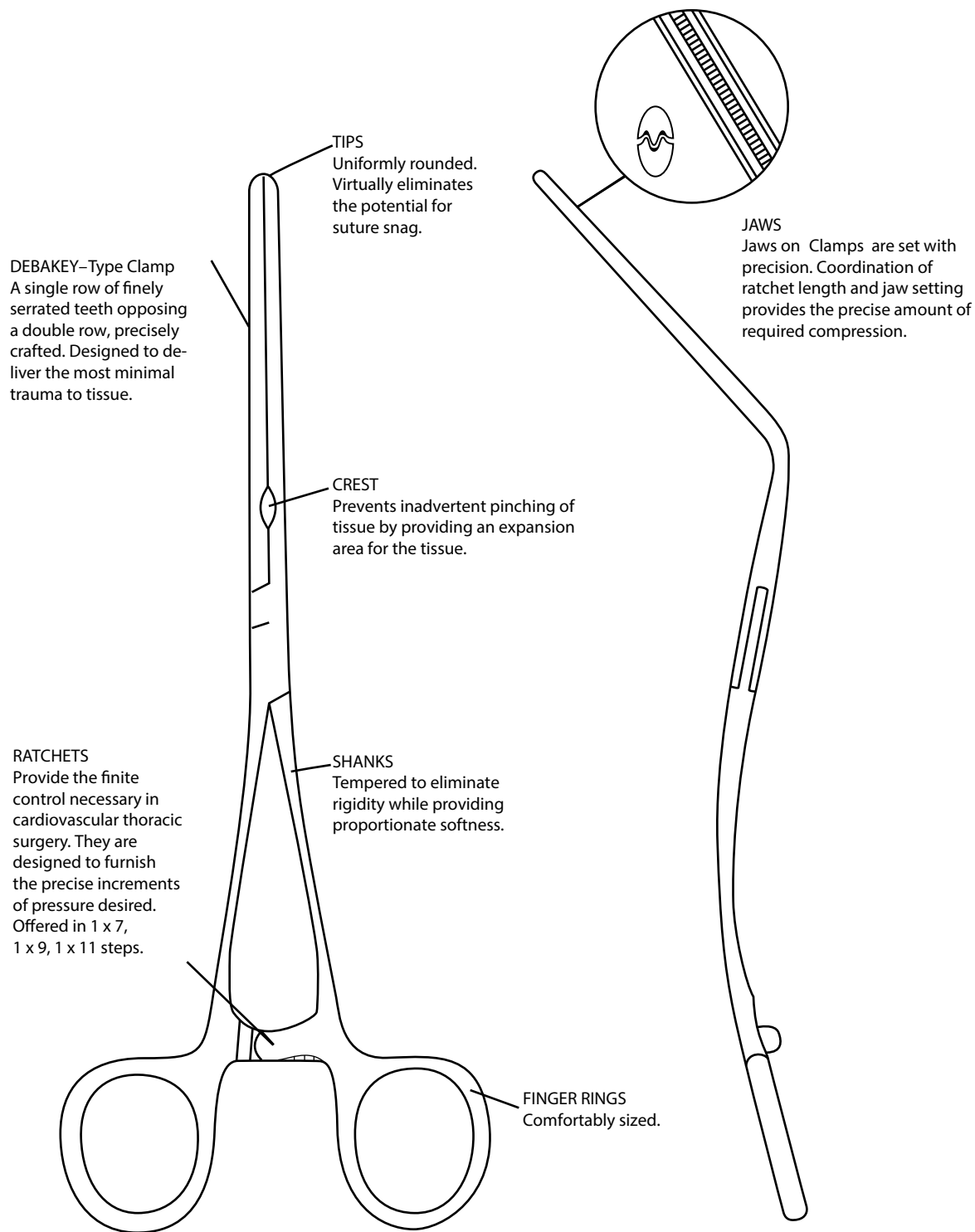
MICRO CLIP TRAY



AI-CV-02-074

CATALOG #	DESCRIPTION
AI-CV-02-074	1-3/4" x 2-3/4" x 1/2" (4.5 x 7 x 1.5 cm)

VASCULAR CLAMPS



VASCULAR CLAMPS

Types of Jaws Used in Cardiovascular Clamps



JAW CROSS SECTIONS

Relative Size

Enlargement



DeBaKey-type



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



Small DeBaKey-type



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



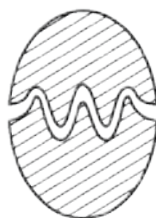
Extra Fine DeBaKey-type



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



DeBaKey-type 2 x 3



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



Cooley



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



Pediatric, 1 mm



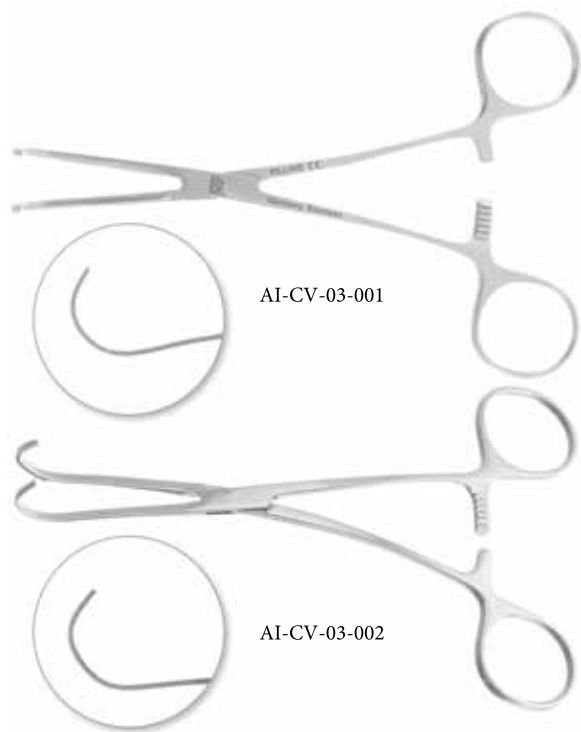
Narrow, single row of opposing teeth. Designed for neonatal vascular surgery, these clamps have also proven of value in adult surgery of the carotid femoral and popliteal arteries and for creating AV fistulas.

VASCULAR CLAMPS

Pediatric Clamps, 1 mm Jaw



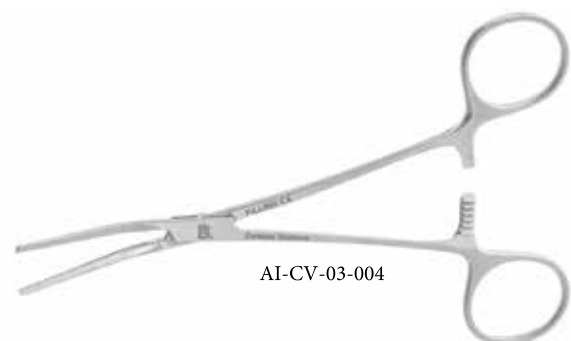
CASTANEDA PEDIATRIC CLAMPS



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

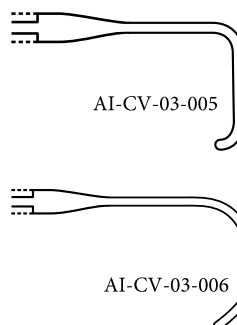
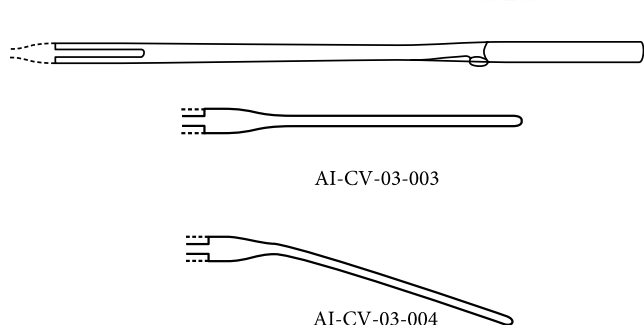
CATALOG #	DESCRIPTION
AI-CV-03-001	Long, small jaw, 1 mm thick, 9/16" (1.5 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)
AI-CV-03-002	Long, large jaw, 1 mm thick, 3/4" (2 cm), spring handle, 1 x 6 ratchets, 6" (15 cm)

LONG 1 MM PEDIATRIC CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-003	Straight handles, 6-1/8" (15.5 cm)
AI-CV-03-004	Straight handles, 6-1/8" (15.5 cm)
AI-CV-03-005	Angled handles, 5-5/8" (14.5 cm)
AI-CV-03-006	Angled handles, 5-7/8" (15 cm)



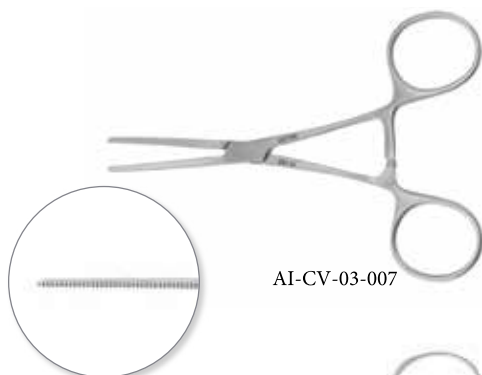
VASCULAR CLAMPS

Pediatric Clamps, 1 mm Jaw

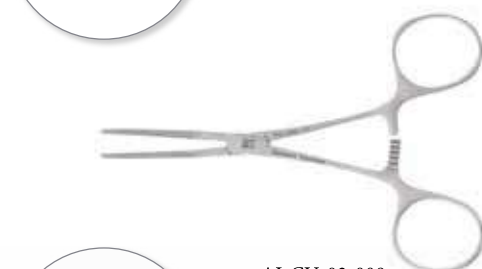


SHORT 1 MM PEDIATRIC CLAMPS

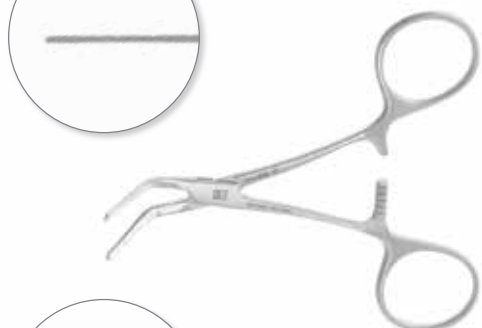
CATALOG #	DESCRIPTION
AI-CV-03-007	Straight handles, 4-5/8" (12 cm)
AI-CV-03-008	Straight handles, 4-1/2" (11.5 cm)
AI-CV-03-009	Straight handles, 4" (10.5 cm)
AI-CV-03-010	Straight handles, 4-1/2" (11.5 cm)



AI-CV-03-007



AI-CV-03-008



AI-CV-03-009



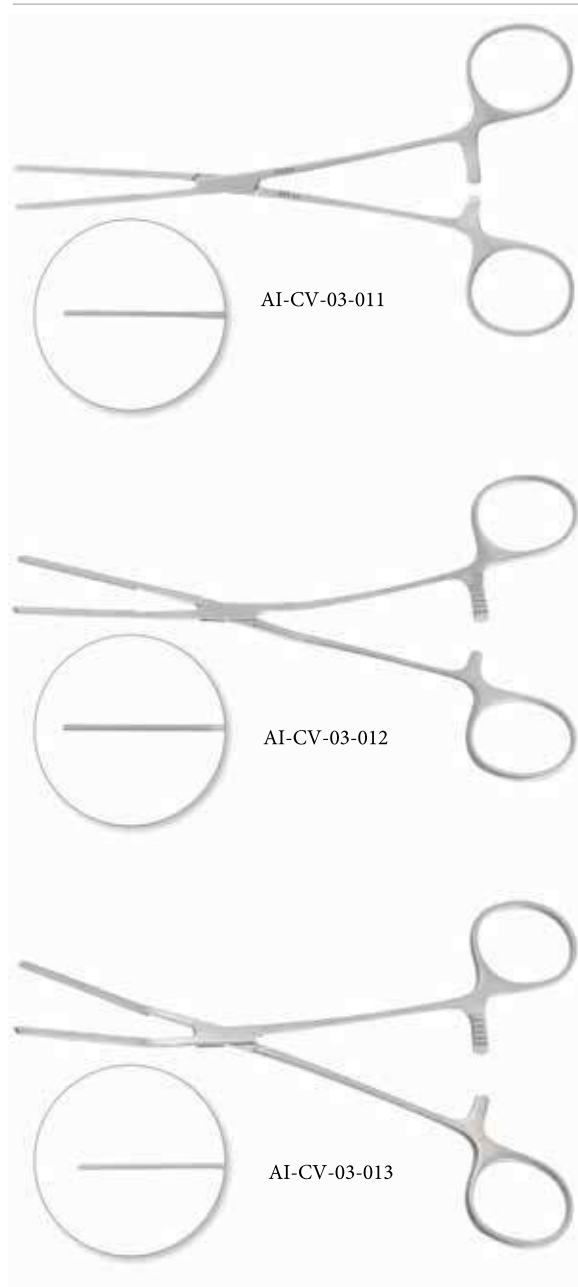
AI-CV-03-010

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY COARCTATION CLAMPS



CATALOG #	DESCRIPTION
AI-CV-03-011	Straight, 6-3/8" (16 cm)
AI-CV-03-012	Angled shank, 6-1/4" (16 cm)
AI-CV-03-013	Jaw angled 15 degrees, 6-1/2" (16.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

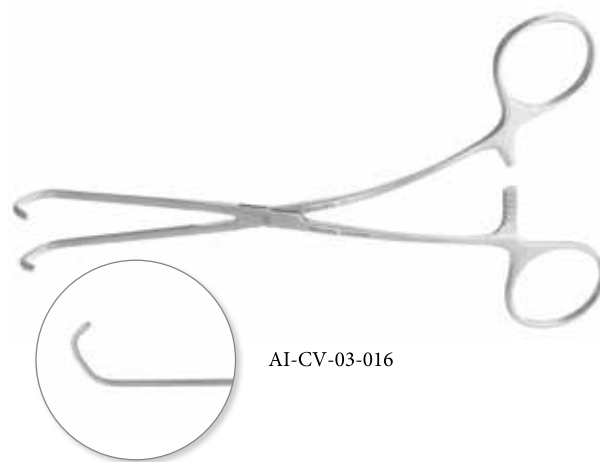


DEBAKEY PARTIAL OCCLUSION CLAMPS

CATALOG #	DESCRIPTION
AI-CV-03-014	Small, 4-3/8" (11 cm)
AI-CV-03-015	Medium, 4-3/8" (11 cm)
AI-CV-03-016	Large, 6-1/4" (16 cm)
AI-CV-03-017	Small, extra-long, 6-5/8" (17 cm)



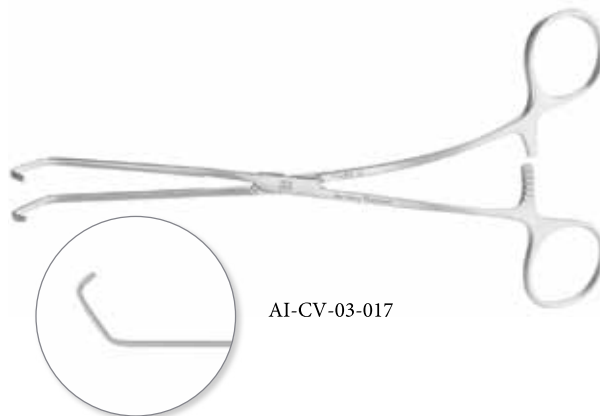
AI-CV-03-014



AI-CV-03-016



AI-CV-03-015



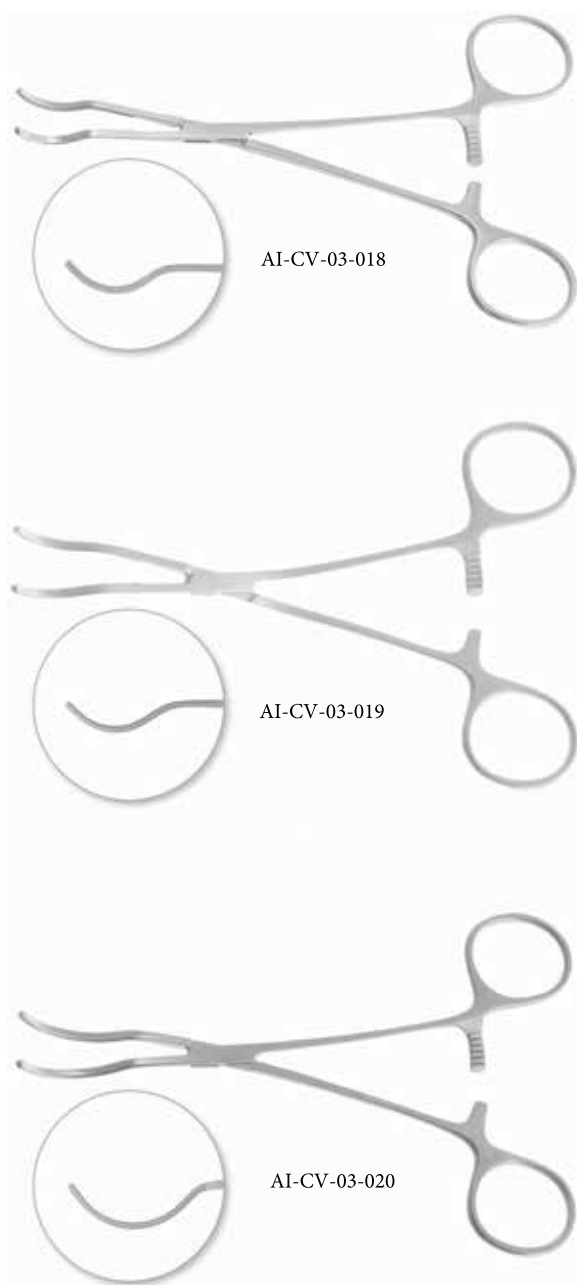
AI-CV-03-017

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY SPOON CLAMPS



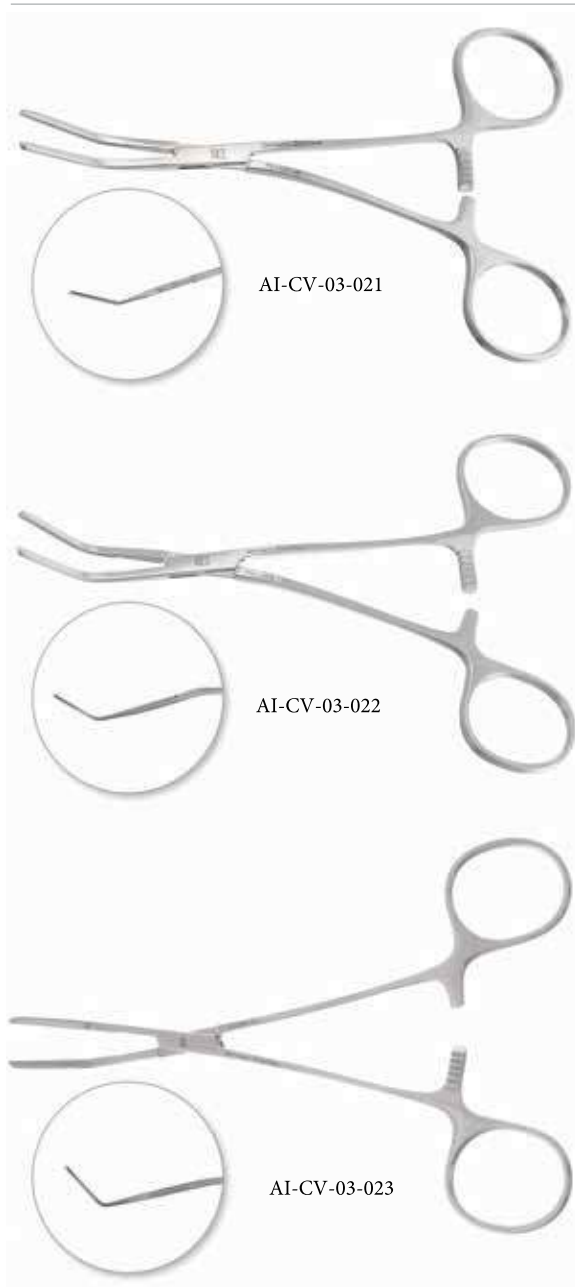
CATALOG #	DESCRIPTION
AI-CV-03-018	Small spoon, 6-1/4" (16 cm)
AI-CV-03-019	Small spoon, angled, 5-3/4" (14.5 cm)
AI-CV-03-020	Large spoon, 6-1/8" (15.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY MULTIPURPOSE VASCULAR CLAMPS



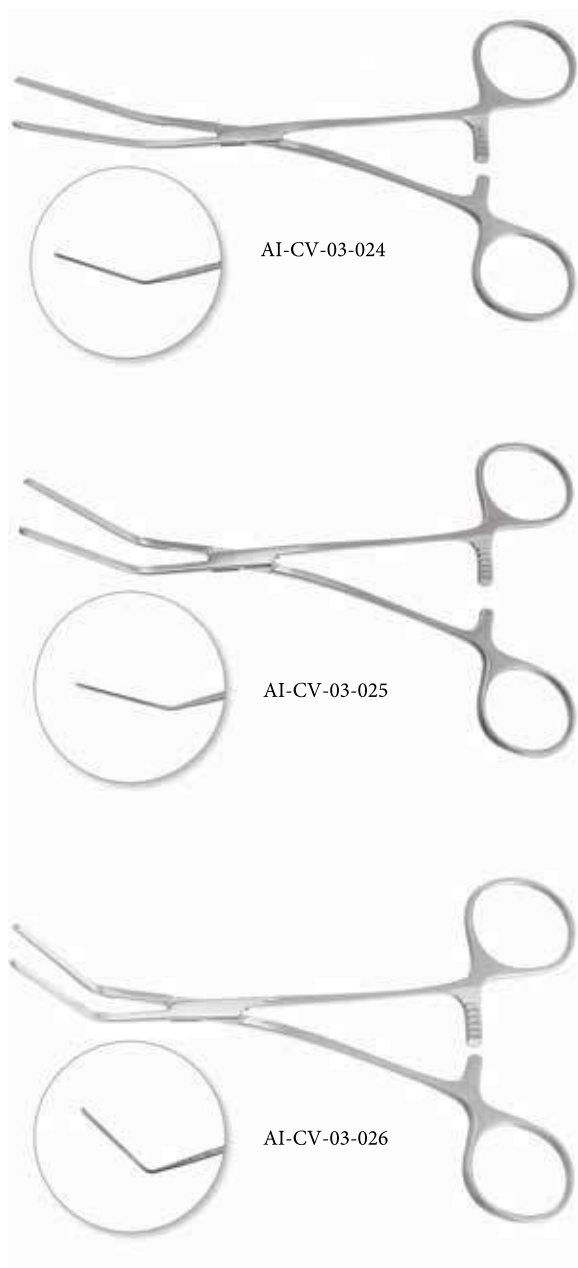
CATALOG #	DESCRIPTION
AI-CV-03-021	Angled 30 degrees, jaw length 20 mm, 5-3/4" (14.5 cm)
AI-CV-03-022	Angled 45 degrees, jaw length 20 mm, 5-1/2" (14 cm)
AI-CV-03-023	Angled 60 degrees, jaw length 20 mm, 5-3/8" (13.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY MULTIPURPOSE VASCULAR CLAMPS LONG



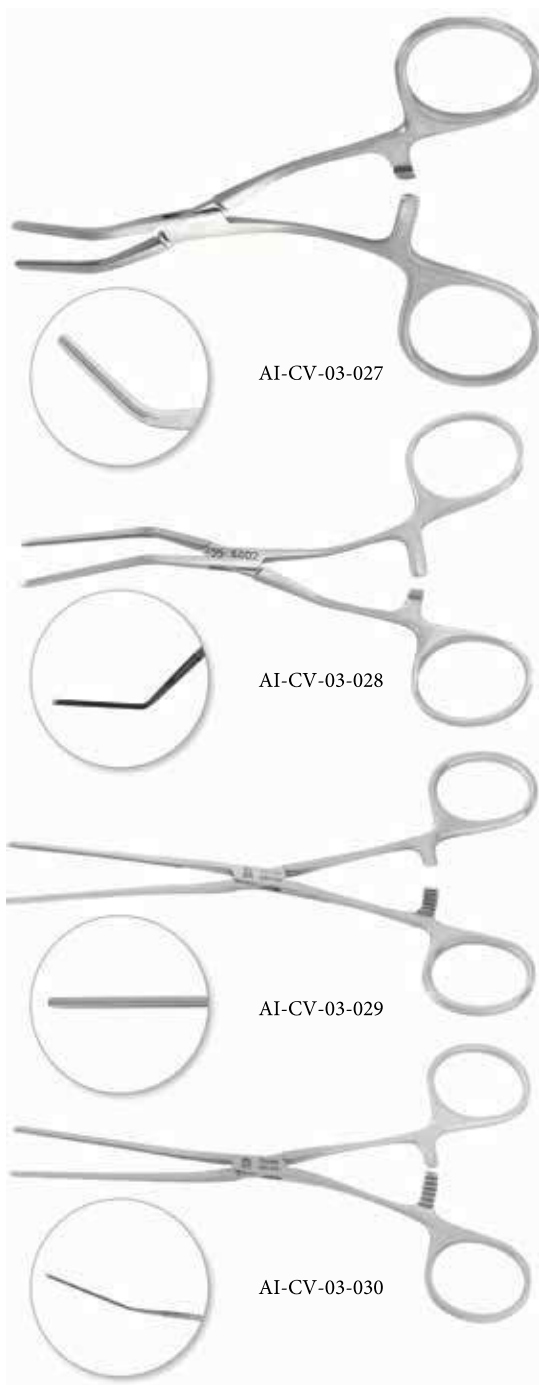
CATALOG #	DESCRIPTION
AI-CV-03-024	Angled 30 degrees, 6-1/2" (16.5 cm)
AI-CV-03-025	Angled 45 degrees, 6-1/8" (15.5 cm)
AI-CV-03-026	Angled 60 degrees, 5-3/4" (14.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY PEDIATRIC AND ADULT VASCULAR CLAMPS



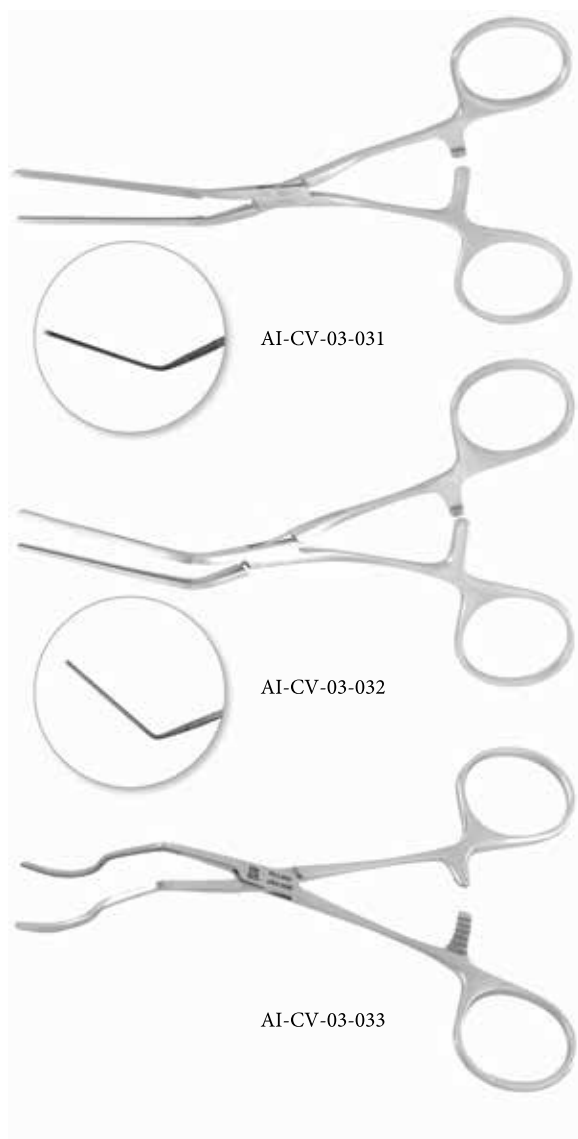
CATALOG #	DESCRIPTION
AI-CV-03-027	Small, angled 45 degrees, 5/8" (1.5 cm) jaw, 3-7/8" (10 cm)
AI-CV-03-028	Medium, angled 45 degrees, 4-1/8" (10.5 cm)
AI-CV-03-029	Large, straight, 5-1/2" (14 cm)
AI-CV-03-030	Angled 15 degrees, 5-1/4" (13.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DEBAKEY PEDIATRIC AND ADULT VASCULAR CLAMPS



CATALOG #	DESCRIPTION
AI-CV-03-031	Angled 45 degrees, 1-3/8" (3.5 cm) jaw, 4-7/8" (12.5 cm)
AI-CV-03-032	Angled 60 degrees, 1-5/8" (4 cm) jaw, 4-3/8" (11 cm)
AI-CV-03-033	Angled 90 degrees, 1-7/8" (4.8 cm) tip length, 3-3/4" (9.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

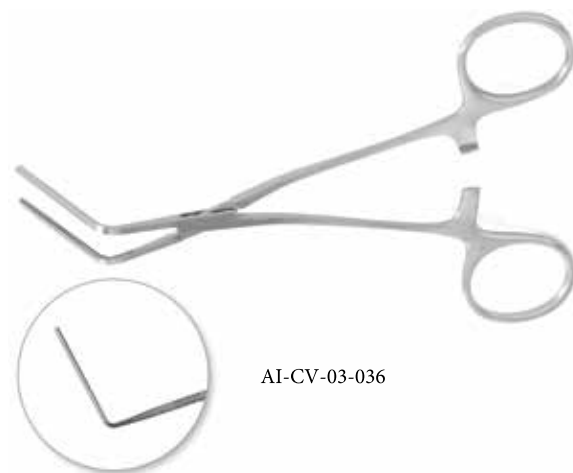


DEBAKEY PATENT DUCTUS CLAMPS



CATALOG #	DESCRIPTION
AI-CV-03-034	Straight, 1.7 mm tip width, 6" (15 cm)
AI-CV-03-035	Angled 20 degrees, 1.7 mm tip width, 6" (15 cm)

DEBAKEY PEDIATRIC AND ADULT VASCULAR CLAMPS



CATALOG #	DESCRIPTION
AI-CV-03-036	Large, angled 90 degrees, 5-1/4" (13 cm)

VASCULAR CLAMPS

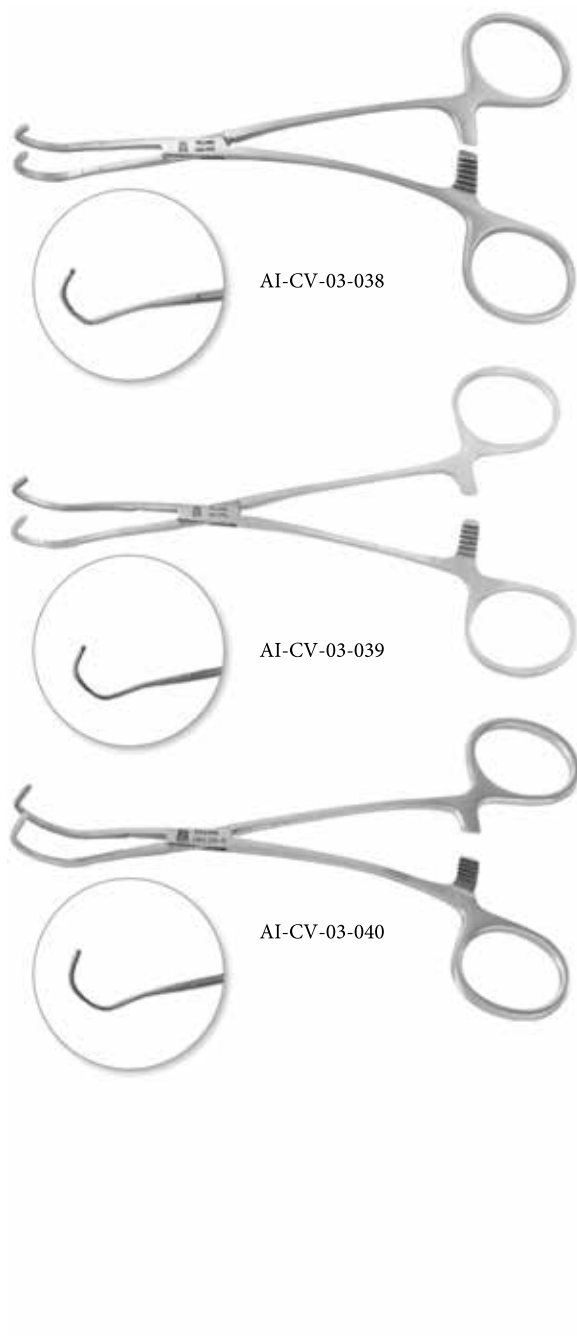
Pediatric Clamps, 1.5 mm Jaw



DEBORAH-CASTANEDA PARTIAL OCCLUSION CLAMPS

Jaw blades calibrated at 5 mm intervals.

CATALOG #	DESCRIPTION
AI-CV-03-037	Small, 25 mm jaw, 4-1/2" (11.5 cm)
AI-CV-03-038	Medium, 18 mm jaw, 5-5/8" (14 cm)
AI-CV-03-039	Large, 21 mm jaw, 5-3/4" (14.5 cm)
AI-CV-03-040	Extra-large, 26 mm jaw, 5-7/8" (15 cm)



VASCULAR CLAMPS

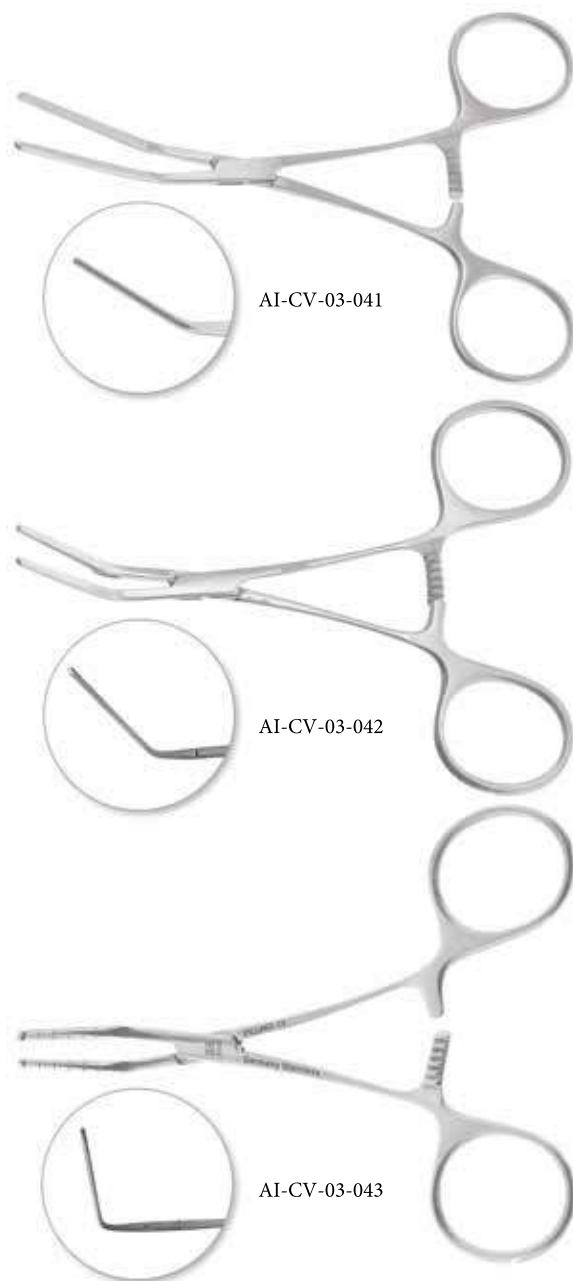
Pediatric Clamps, 1.5 mm Jaw



DEBORAH-CASTANEDA PERIPHERAL VASCULAR CLAMPS

Jaw blades calibrated at 5 mm intervals.

CATALOG #	DESCRIPTION
AI-CV-03-041	Angled 30 degrees, 30 mm jaw, 4-3/4" (12 cm)
AI-CV-03-042	Angled 50 degrees, 30 mm jaw, 4-5/8" (11.5 cm)
AI-CV-03-043	Angled 90 degrees, 30 mm jaw, 3-3/4" (9.5 cm)



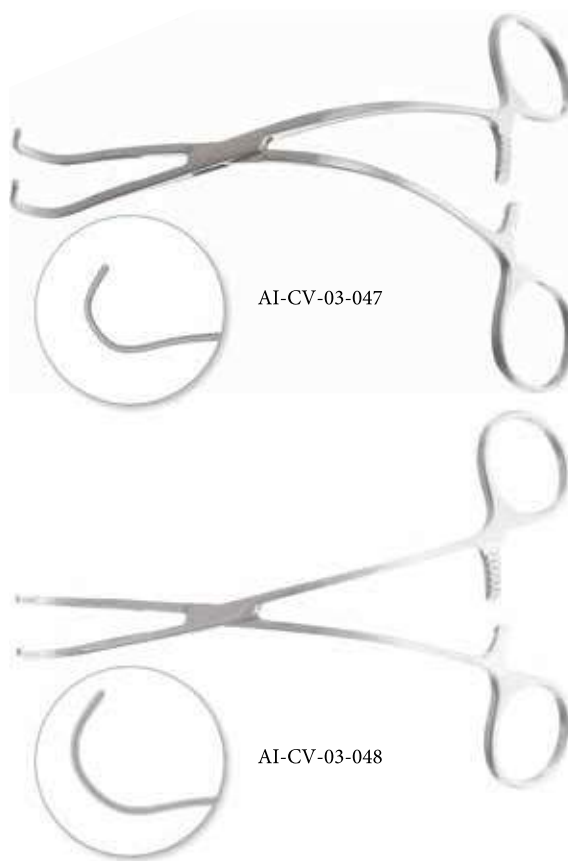
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



DERRA PARTIAL OCCLUSION CLAMPS

CATALOG #	DESCRIPTION
AI-CV-03-044	Short, small, 10 mm jaw, 4-3/8" (11 cm)
AI-CV-03-045	Short, medium, 16 mm jaw, 4-3/8" (11 cm)
AI-CV-03-046	Short, large, 28 mm jaw, 4-5/8" (11.5 cm)
AI-CV-03-047	Small, curved handle, 17 mm jaw, 4-3/8" (11 cm)
AI-CV-03-048	Medium, curved handle, 22 mm jaw, 4-3/4" (12 cm)



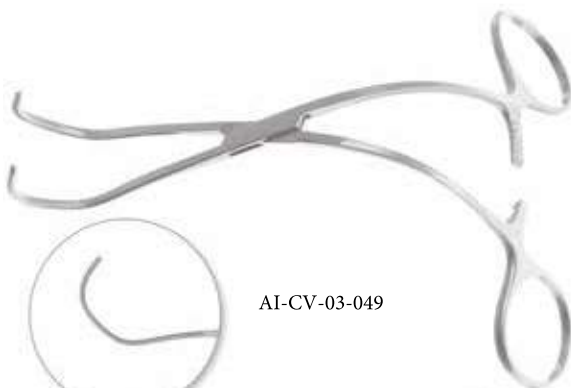
VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw

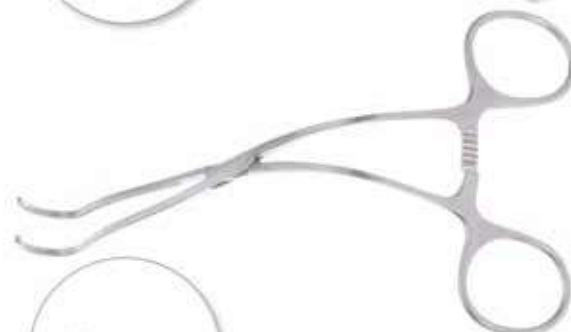


DERRA PARTIAL OCCLUSION CLAMPS

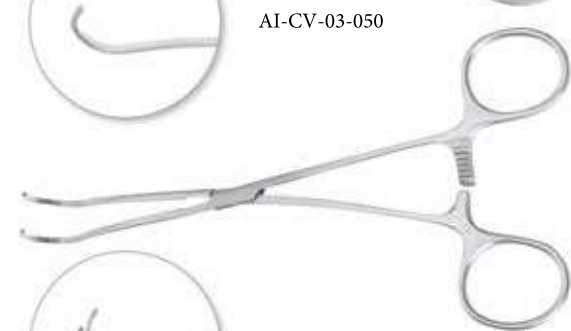
CATALOG #	DESCRIPTION
AI-CV-03-049	Large, curved handle, 25 mm jaw, 4-1/2" (11.5 cm)
AI-CV-03-050	Deep, small, curved handle, 17 mm jaw, 5-5/8" (14 cm)
AI-CV-03-051	Deep, small, extra-long, 18 mm jaw, 7" (18 cm)
AI-CV-03-052	Deep, medium, extra-long, 22 mm jaw, 7" (18 cm)
AI-CV-03-053	Deep, large, extra-long, 25 mm jaw, 7-1/4" (18.5 cm)



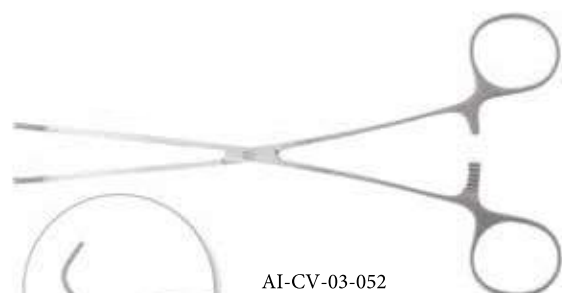
AI-CV-03-049



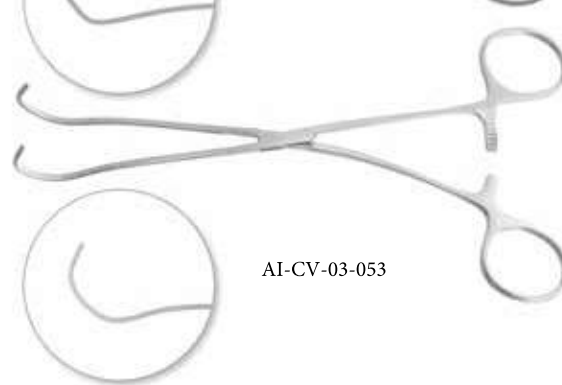
AI-CV-03-050



AI-CV-03-051



AI-CV-03-052



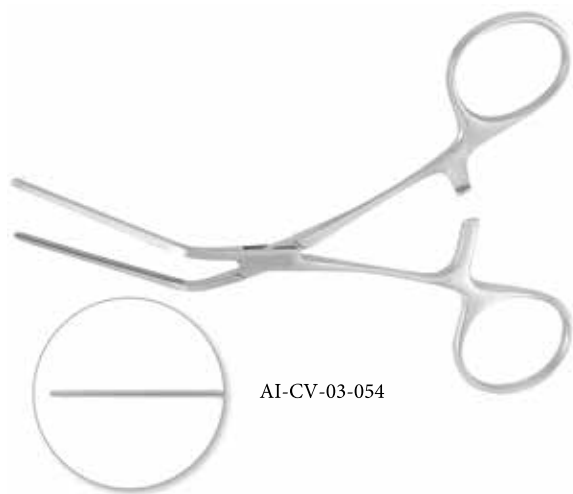
AI-CV-03-053

VASCULAR CLAMPS

Pediatric Clamps, 1.5 mm Jaw



REPLOGIE PEDIATRIC AORTA CROSS CLAMP



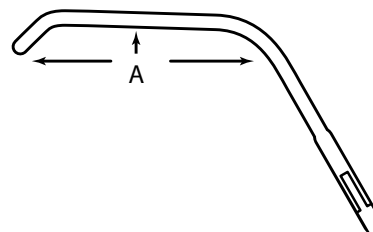
CATALOG #	DESCRIPTION
AI-CV-03-054	Angled 60 degrees, 48 mm jaw, 4-5/8" (12 cm)

Pediatric Clamps, 2 mm Jaw

BECK MINIATURE PEDIATRIC AORTIC CLAMP



CATALOG #	DESCRIPTION
AI-CV-03-055	Jaw length (A) 1" (2.5 cm), (A) depth 1/4" (5 cm), overall length 7" (18 cm)



VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw



BECK-TYPE VESSEL CLAMPS

Small, acutely curved DeBaKey-type Jaws.

CATALOG #	DESCRIPTION
AI-CV-03-056	Small, 21 mm jaw, 6" (15 cm)
AI-CV-03-057	Large, 32 mm jaw, 6-1/2" (16.5 cm)

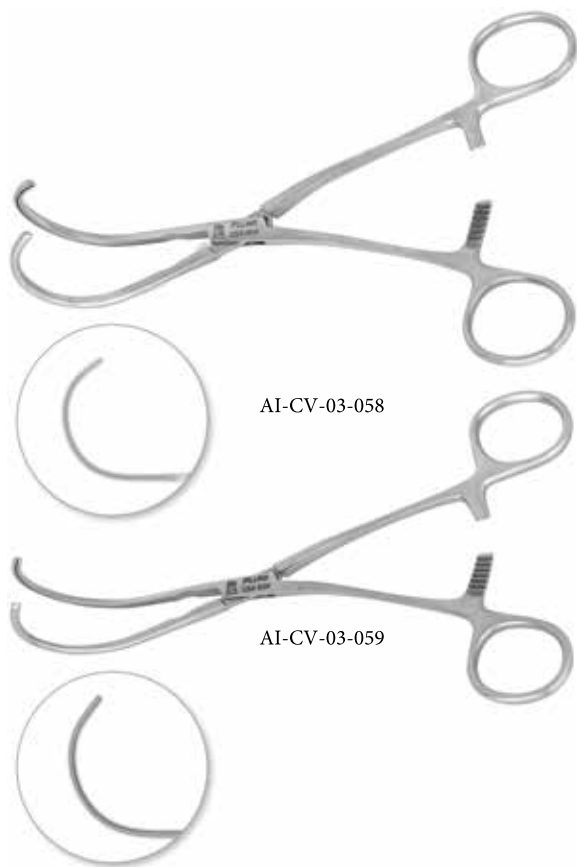


VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

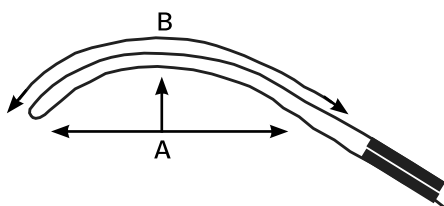


DEBAKEY ACUTELY CURVED CLAMPS

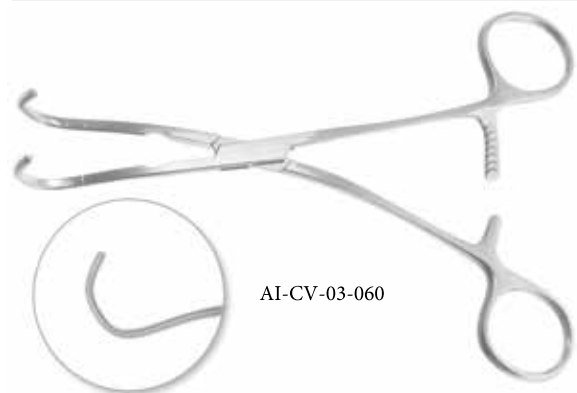


Jaws curve on 1-3/4" (4.5 cm) radius, entire length of jaws contain DeBakey-type Serrations.

CATALOG #	DESCRIPTION
AI-CV-03-058	6-3/4" (17 cm)
AI-CV-03-059	Jaws are larger than 354729 Length (B) 2-3/4" (7 cm) Length (A) 1-3/4" (4.5 cm) Depth (A) 3/4" (2 cm) Overall length 6-7/8" (17.5 cm)



DEBAKEY MINIATURE ANASTOMOSIS CLAMP



CATALOG #	DESCRIPTION
AI-CV-03-060	Small jaw, 6-1/2" (16.5 cm)

VASCULAR CLAMPS

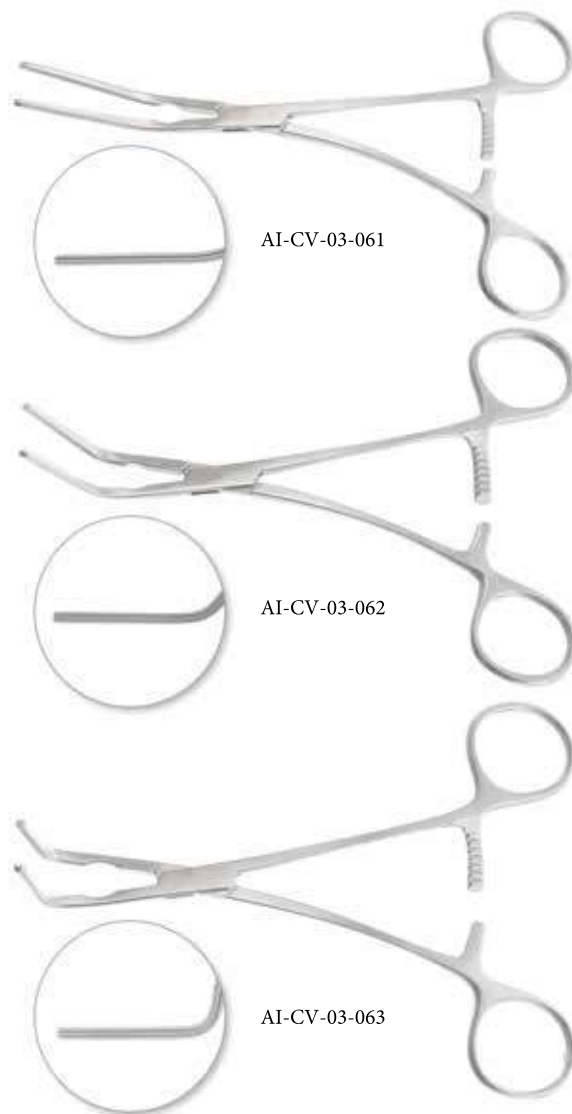
Pediatric Clamps, 2 mm Jaw



DEBAKEY PEDIATRIC MULTIPURPOSE CLAMPS

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

CATALOG #	DESCRIPTION
AI-CV-03-061	Angled 30 degrees, jaw 3/4" (19 mm) long past angle, 6-3/4" (17 cm)
AI-CV-03-062	Angled 60 degrees, jaw 1-1/4" (32 mm) long past angle, 6-1/4" (16 cm)
AI-CV-03-063	Angled 90 degrees, jaw 1-1/2" (37 mm) long past angle, 6" (15 cm)

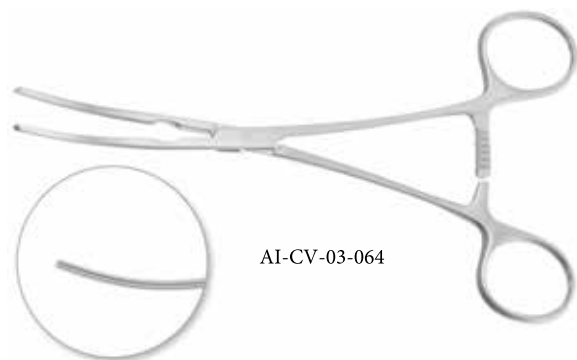


VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw

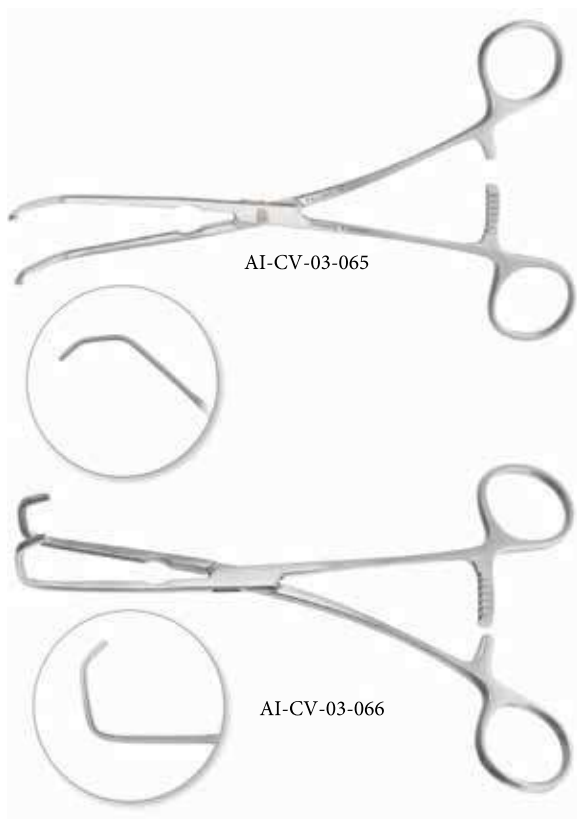


GLOVER CURVED MINIATURE PEDIATRIC CLAMP



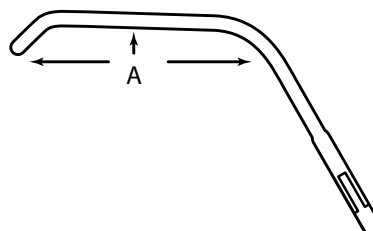
CATALOG #	DESCRIPTION
AI-CV-03-064	Slightly curved jaws 1/2" (1.2 cm) long, 7-1/8" (18 cm)

MINIATURE SATINSKY REYNOLDS CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-065	Angled 50 degrees, small jaw, (A) length 1" (2.5 cm), (A) depth 1/4" (6 mm), 7-1/4" (18.5 cm)
AI-CV-03-066	Angled 85 degrees, small jaw, (A) length 1-1/4" (3 cm), (A) depth 1/4" (6 mm), 6-3/4" (17 cm)

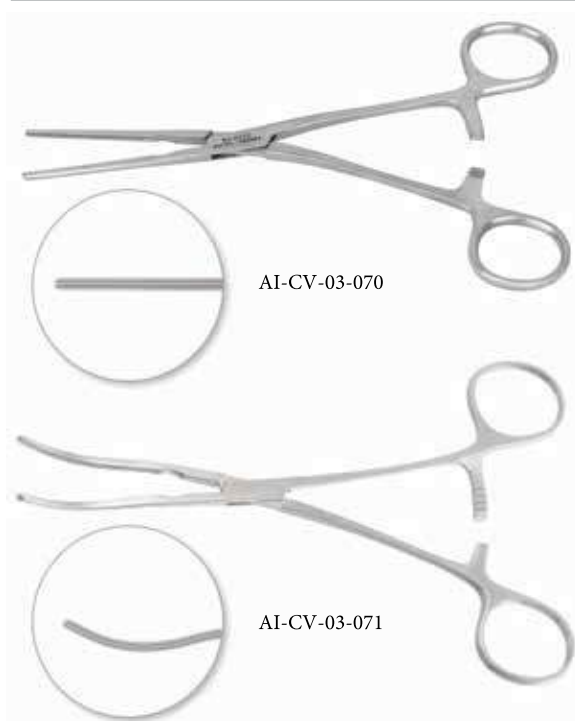


VASCULAR CLAMPS

Pediatric Clamps, 2 mm Jaw



MINIATURE PEDIATRIC CLAMPS



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

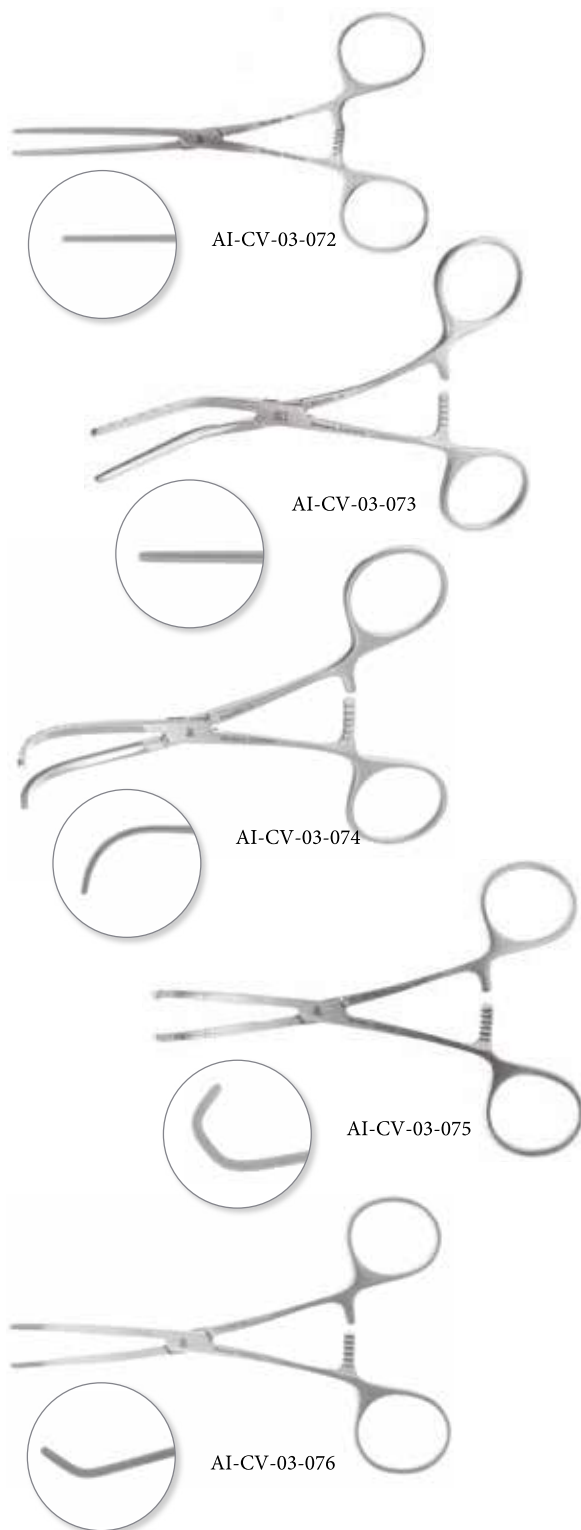
CATALOG #	DESCRIPTION
AI-CV-03-067	Patent Ductus, straight, 2" (5 cm) jaws, 6-3/4" (17 cm)
AI-CV-03-068	Patent Ductus, straight, 1-7/8" (4.5 cm) jaws, 6-3/8" (16 cm)
AI-CV-03-069	Coarctation, straight, 2-1/2" (6 cm) jaws, 7-1/8" (18 cm)
AI-CV-03-070	Coarctation, angled, 2-3/8" (6 cm) jaws, 7" (17.5 cm)
AI-CV-03-071	Spoon shape, 1-3/4" (4.5 cm) jaws, 7-1/8" (18 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw



COOLEY CLAMPS FOR PEDIATRIC CARDIOVASCULAR SURGERY



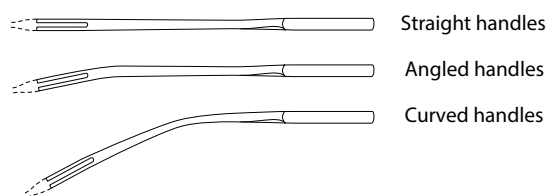
These clamps are designed especially for surgery in infants and small children. They have specially set ratchets to permit gradual application and release of the clamps.

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

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

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

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



Spring handle, 1 x 6 ratchets.

CATALOG #	DESCRIPTION
AI-CV-03-072	Straight jaw, angled shanks, 5-1/8" (13 cm)
AI-CV-03-073	Angled jaw, curved shanks, 5" (12.5 cm)
AI-CV-03-074	Curved 3/4" (19 mm) jaw, straight shanks, 4-5/8" (11.5 cm)
AI-CV-03-075	Partial occlusion jaw, curved shanks, 4-5/8" (11.5 cm)
AI-CV-03-076	Carotid jaw, curved shanks, 4-3/4" (12 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw



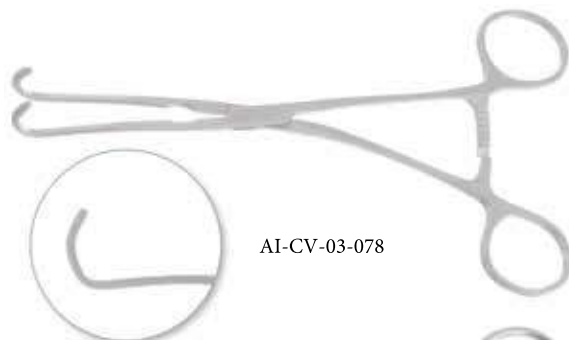
BECK-TYPE VESSEL CLAMP



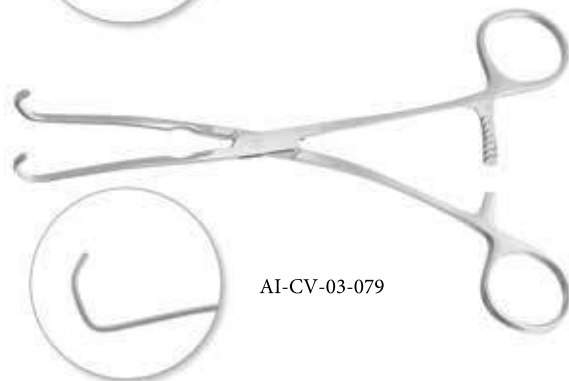
Small, acutely curved jaws calibrated on anterior surface from center point outward.

CATALOG #	DESCRIPTION
AI-CV-03-077	Straight handles, 1" (2.5 cm) jaw, 6-1/8" (15.5 cm)

COOLEY ANASTOMOSIS CLAMPS



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



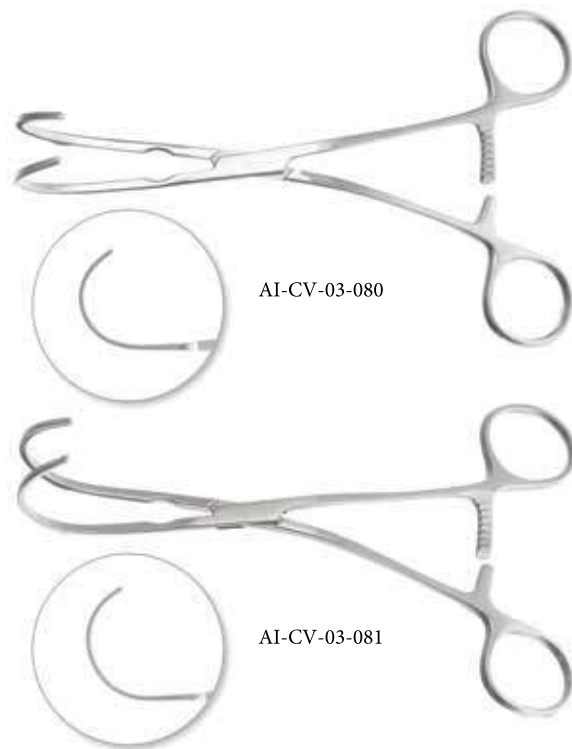
CATALOG #	DESCRIPTION
AI-CV-03-078	Spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)
AI-CV-03-079	1.5 mm extra-fine DeBakey-type Jaws, spring handle, 1 x 7 ratchets, 7-1/8" (18 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw



COOLEY CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-080	Medium clamp, full length Cooley jaw serrations, 1-1/2" (3.8 cm), 6-5/8" (17 cm)
AI-CV-03-081	Large clamp, full length Cooley jaw serrations, 1-3/4" (4.5 cm), 6-3/4" (17 cm)

COOLEY CLAMPS FOR PEDIATRIC AND INFANT CARDIOVASCULAR SURGERY



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

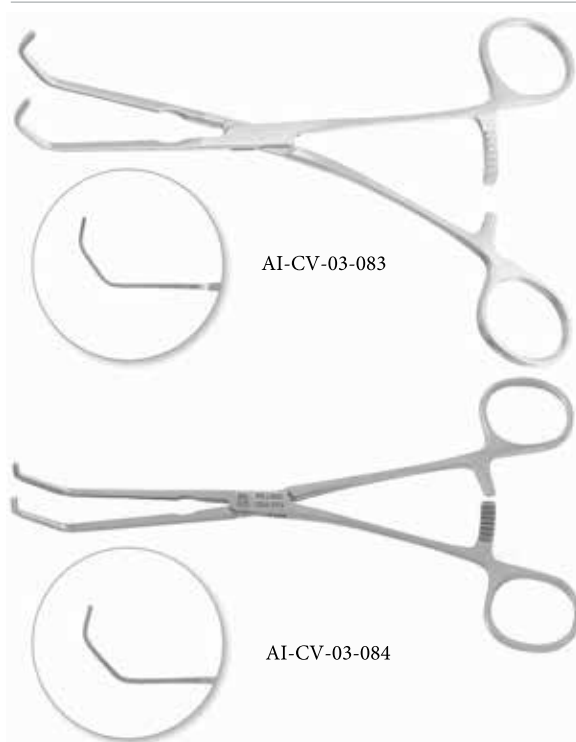
CATALOG #	DESCRIPTION
AI-CV-03-082	Angled 90 degrees, small jaws, 6-3/4" (17 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw



COOLEY PEDIATRIC CARDIOVASCULAR CLAMPS



CATALOG #	DESCRIPTION
AI-CV-03-083	Angled shafts, small, double angled 60 degree calibrated jaw, 7-1/8" (18 cm)
AI-CV-03-084	Angled shafts, large, double angled 60 degree calibrated jaw, 7-1/8" (18 cm)

VASCULAR CLAMPS

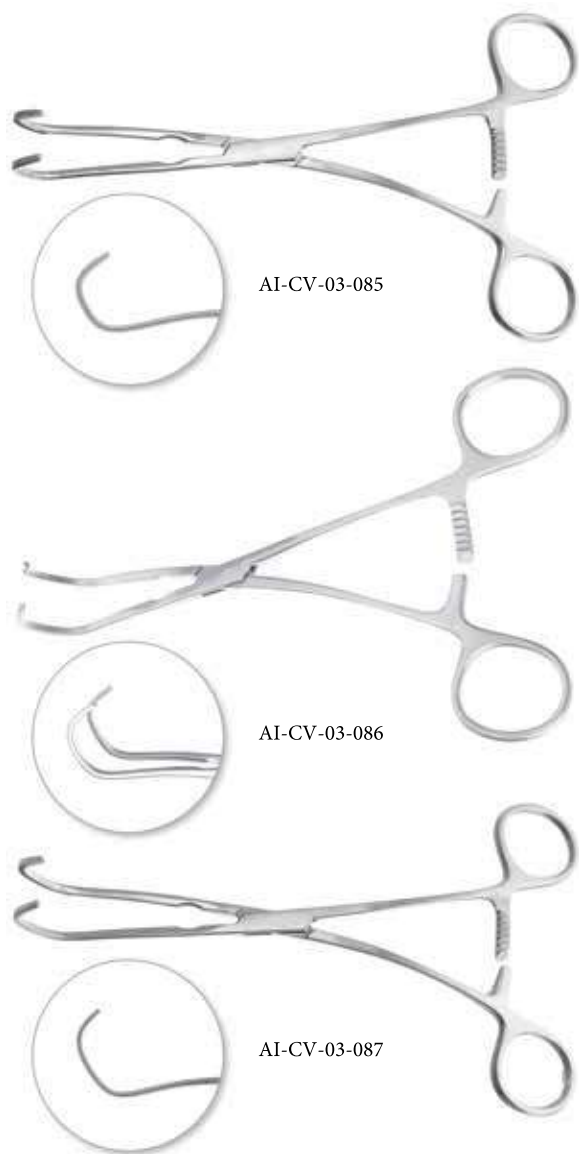
Pediatric Clamps, Cooley-Type Jaw



COOLEY PEDIATRIC DERRA CLAMPS

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

CATALOG #	DESCRIPTION
AI-CV-03-085	Small, calibrated 3/4" (2 cm) jaw, 7" (18 cm)
AI-CV-03-086	Medium, calibrated 1-1/8" (3 cm) jaw, 7" (18 cm)
AI-CV-03-087	Large, calibrated 1-1/8" (3 cm) jaw, 7-1/8" (18 cm)

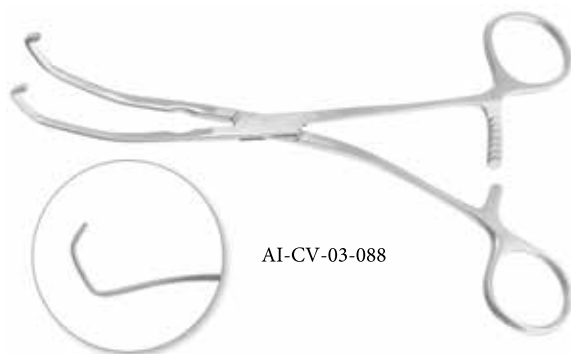


VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw



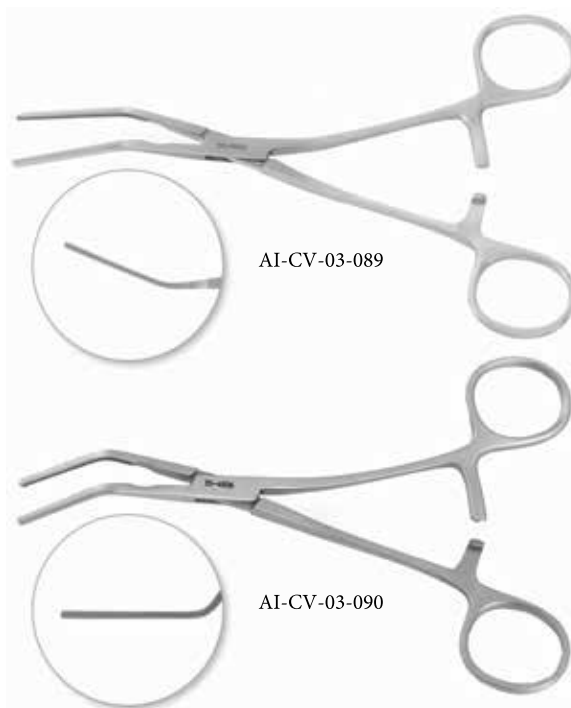
COOLEY PEDIATRIC MODIFIED ANASTOMOSIS CLAMP



AI-CV-03-088

CATALOG #	DESCRIPTION
AI-CV-03-088	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



AI-CV-03-089

AI-CV-03-090

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

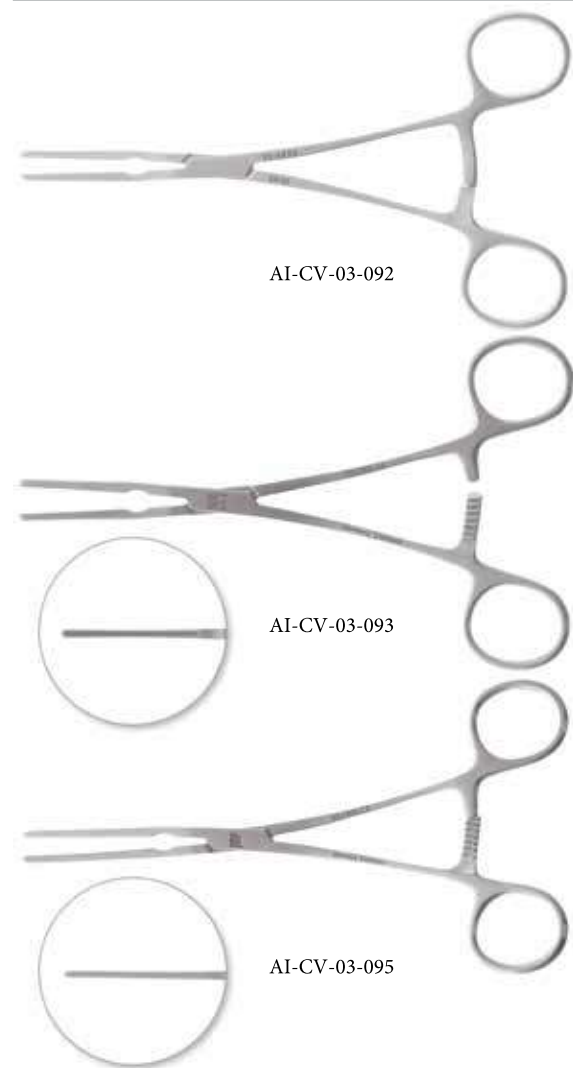
CATALOG #	DESCRIPTION
AI-CV-03-089	30 degree angled, calibrated 3/4" (2 cm) jaw, 6-3/4" (17 cm)
AI-CV-03-090	60 degree angled, calibrated 1-1/4" (3.5 cm) jaw, 6-1/2" (16.5 cm)
AI-CV-03-091	90 degree angled, calibrated 1-1/2" (4 cm) jaw, 5-3/4" (14.5 cm)

VASCULAR CLAMPS

Pediatric Clamps, Cooley-Type Jaw



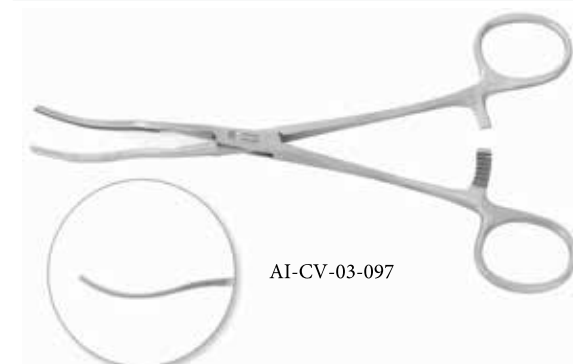
COOLEY PEDIATRIC PATENT DUCTUS CLAMPS



Spring handle, 1 x 7 ratchets.

CATALOG #	DESCRIPTION
AI-CV-03-092	Straight, calibrated jaw, straight shanks, 6-3/4" (17 cm)
AI-CV-03-093	Straight, calibrated jaw, angled shanks, 6-1/2" (16.5 cm)
AI-CV-03-094	Straight, calibrated jaw, straight shanks, 7" (18 cm)
AI-CV-03-095	Straight, calibrated jaw, angled shanks, 7" (18 cm)
AI-CV-03-096	Curved, calibrated jaw, straight shanks, 7-1/4" (18.5 cm)

COOLEY PEDIATRIC PATENT DUCTUS CLAMPS



CATALOG #	DESCRIPTION
AI-CV-03-097	Spoon-shaped, 5 mm calibrated jaws, straight handles, 7-1/8" (18 cm)

VASCULAR CLAMPS

Ring Handled Bulldog Clamps



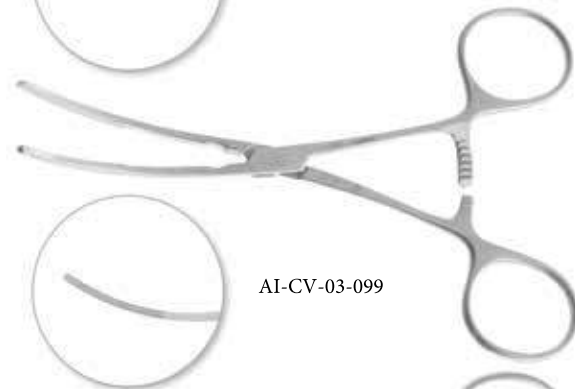
DEBAKEY RING HANDLE BULLDOG CLAMPS

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

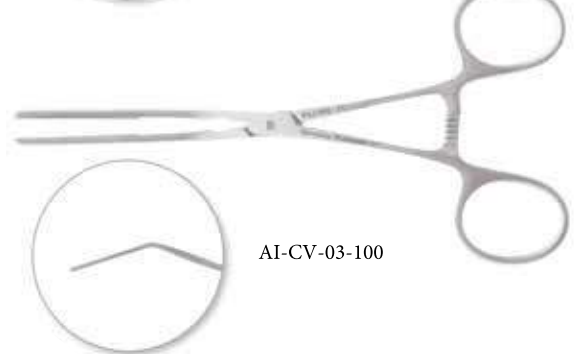
CATALOG #	DESCRIPTION
AI-CV-03-098	Straight, 2-1/4" (5.5 cm) jaw, 5-3/8" (13.5 cm)
AI-CV-03-099	Curved, 2-3/8" (6 cm) jaw, 5-3/8" (13.5 cm)
AI-CV-03-100	Angled 45 degrees, jaws 1-3/16" (3 cm) past angle, curved shafts, 5-3/8" (13.5 cm)
AI-CV-03-101	Angled 90 degrees, jaws 1-3/4" (4.5 cm) past angle, straight shafts, 4-1/8" (10.5 cm)
AI-CV-03-102	"S"-shaped, curved, 2-1/2" (6.5 cm) jaws, long and curved shafts, 5-1/8" (13 cm)



AI-CV-03-098



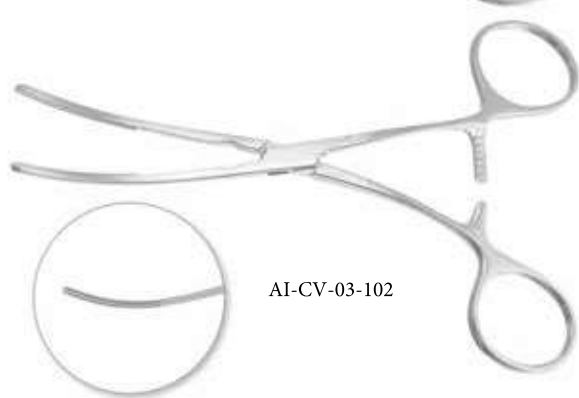
AI-CV-03-099



AI-CV-03-100



AI-CV-03-101



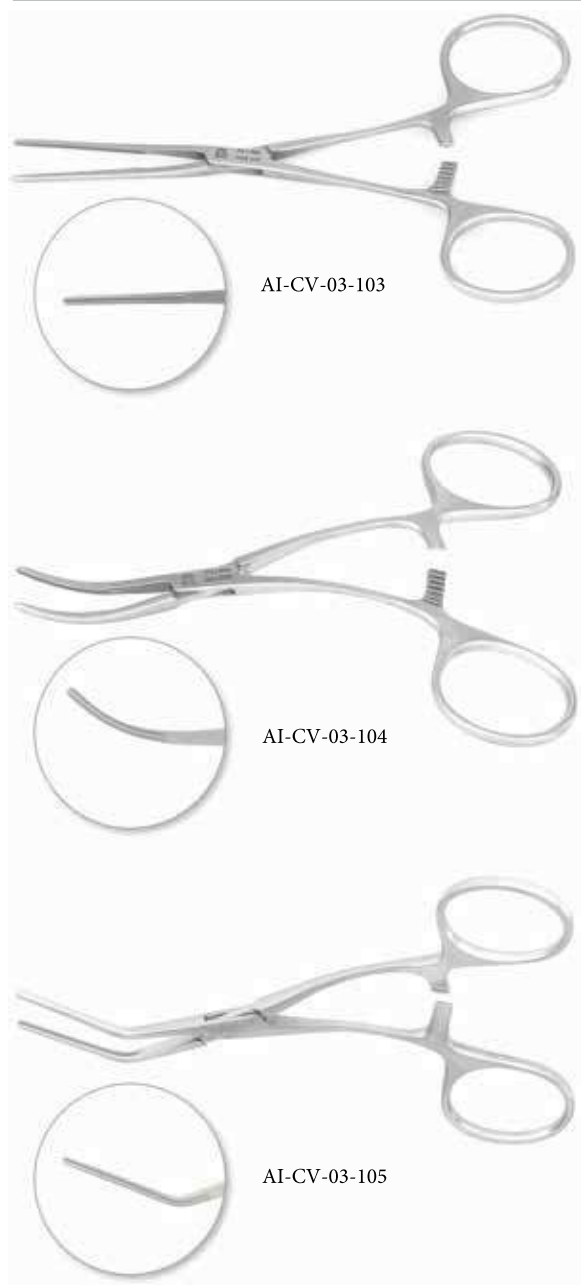
AI-CV-03-102

VASCULAR CLAMPS

Ring Handled Bulldog Clamps



GREGORY MINIATURE VASCULAR CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-103	Straight, extra-light, 4-3/4" (12 cm)
AI-CV-03-104	Curved, extra-light, 4-1/8" (10.5 cm)
AI-CV-03-105	Angled 45 degrees, extra-light, 4-3/8" (11 cm)



VASCULAR CLAMPS

Carotid Clamps



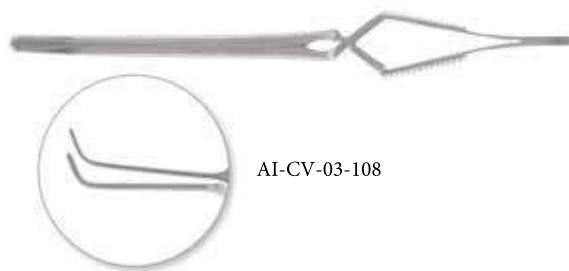
CALMAN CAROTID BULLDOG CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-106	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)
AI-CV-03-107	Angled, with large ring, for use on the common carotid artery inferiorly, 8 mm ring, 3-3/4" (9.5 cm)

GREGORY INTERNAL CAROTID "SOFT" BULLDOG CLAMP



CATALOG #	DESCRIPTION
AI-CV-03-108	5/8" (15 mm) distal tip, DeBakey-type Jaw, 4-1/2" (11.5 cm)

GREGORY CAROTID ANGLED BULLDOG CLAMP



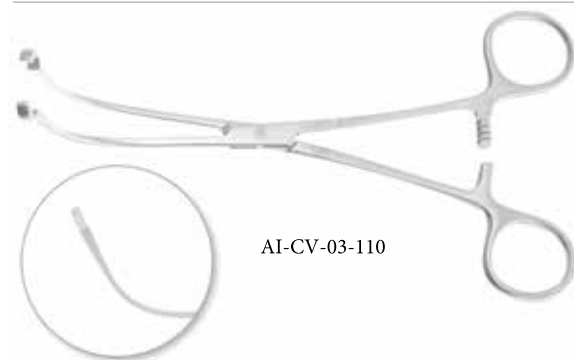
CATALOG #	DESCRIPTION
AI-CV-03-109	1/2" (12 mm) distal tip, DeBakey-type Jaw, 4-1/2" (11.5 cm)

VASCULAR CLAMPS

Carotid Clamps



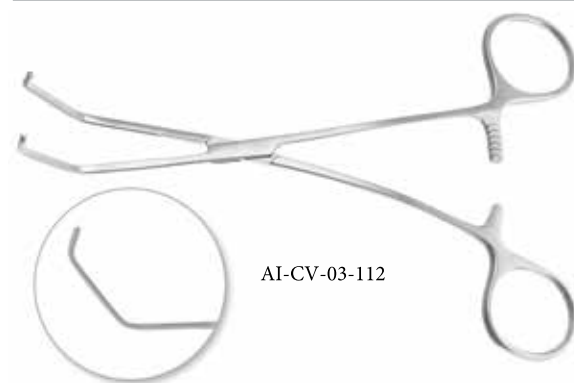
JAVID CAROTID SHUNT CLAMPS



AI-CV-03-110

CATALOG #	DESCRIPTION
AI-CV-03-110	Large 6.0 mm ring, 7-3/8" (18.5 cm)
AI-CV-03-111	Small 3.5 mm ring, 6-7/8" (17.5 cm)

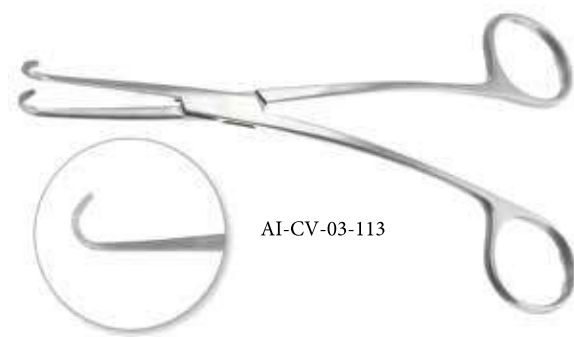
WYLIE CAROTID CLOSURE CLAMP



AI-CV-03-112

CATALOG #	DESCRIPTION
AI-CV-03-112	DeBakey-type Jaw with 1.7 mm wide tip, 6-1/8" (15.5 cm)

WYLIE CAROTID DISSECTING CLAMP



AI-CV-03-113

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

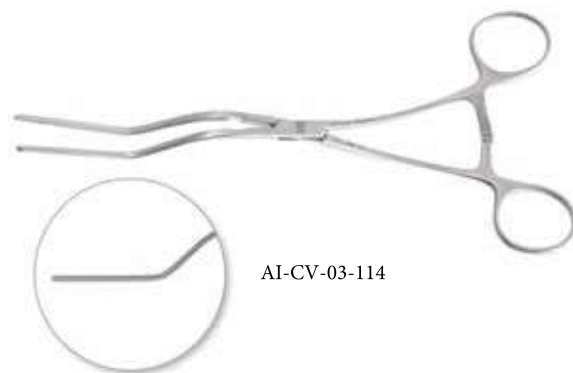
CATALOG #	DESCRIPTION
AI-CV-03-113	5-7/8" (15 cm)

VASCULAR CLAMPS

Carotid Clamps



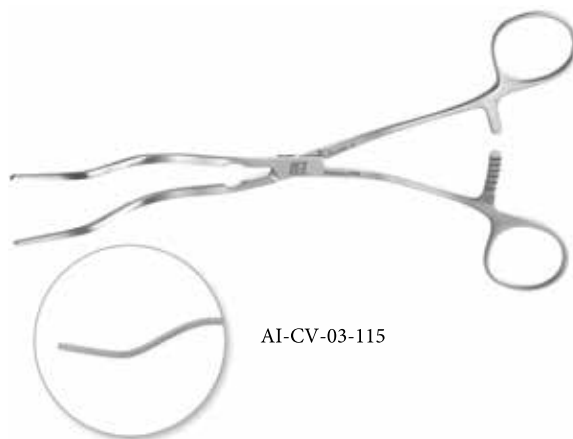
WYLIE EXTERNAL CAROTID CLAMP



AI-CV-03-114

CATALOG #	DESCRIPTION
AI-CV-03-114	DeBakey -type Jaw, spring handle, 1 x 7 ratchets, 8" (20.5 cm)

WYLIE INTERNAL CAROTID CLAMP



AI-CV-03-115

CATALOG #	DESCRIPTION
AI-CV-03-115	DeBakey-type Jaw, spring handle, 1 x 7 ratchets, 8-1/4" (21 cm)

WYLIE HYPOGASTRIC CLAMP



AI-CV-03-116

CATALOG #	DESCRIPTION
AI-CV-03-116	DeBakey-type Jaw, 9-5/8" (24.5 cm)

VASCULAR CLAMPS

Carotid Clamps



DOERING CAROTID END POINT MICRO RONGEUR FORCEPS



AI-CV-03-117

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

CATALOG #	DESCRIPTION
AI-CV-03-117	7-1/4" (18.5 cm)

Carotid Clamps, 1 mm Jaw

CALMAN CLAMP



AI-CV-03-118

CATALOG #	DESCRIPTION
AI-CV-03-118	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



AI-CV-03-119

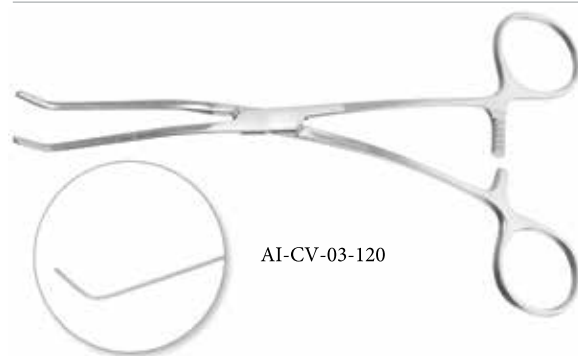
CATALOG #	DESCRIPTION
AI-CV-03-119	Angled handles, jaw 1" (2.5 cm) long and 1 mm thick, spring handle, 1 x 6 ratchets, 5-5/8" (14 cm)

VASCULAR CLAMPS

Carotid Clamps, 1 mm Jaw



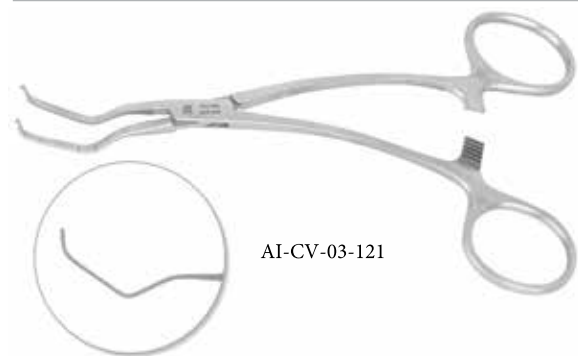
KARTCHNER INTERNAL CAROTID CLAMP



AI-CV-03-120

CATALOG #	DESCRIPTION
AI-CV-03-120	Slightly curved handles, long jaw, 1 mm thick, spring handles, 1 x 6 ratchets, 6-3/8" (16.5 cm)

THOMPSON CLAMP



AI-CV-03-121

CATALOG #	DESCRIPTION
AI-CV-03-121	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



AI-CV-03-122

CATALOG #	DESCRIPTION
AI-CV-03-122	Jaw length 10 mm, 6-1/4" (16 cm)

THOMPSON CAROTID CLOSURE CLAMP



AI-CV-03-123

CATALOG #	DESCRIPTION
AI-CV-03-123	Jaw length 22 mm, 5-3/4" (14.5 cm)

VASCULAR CLAMPS

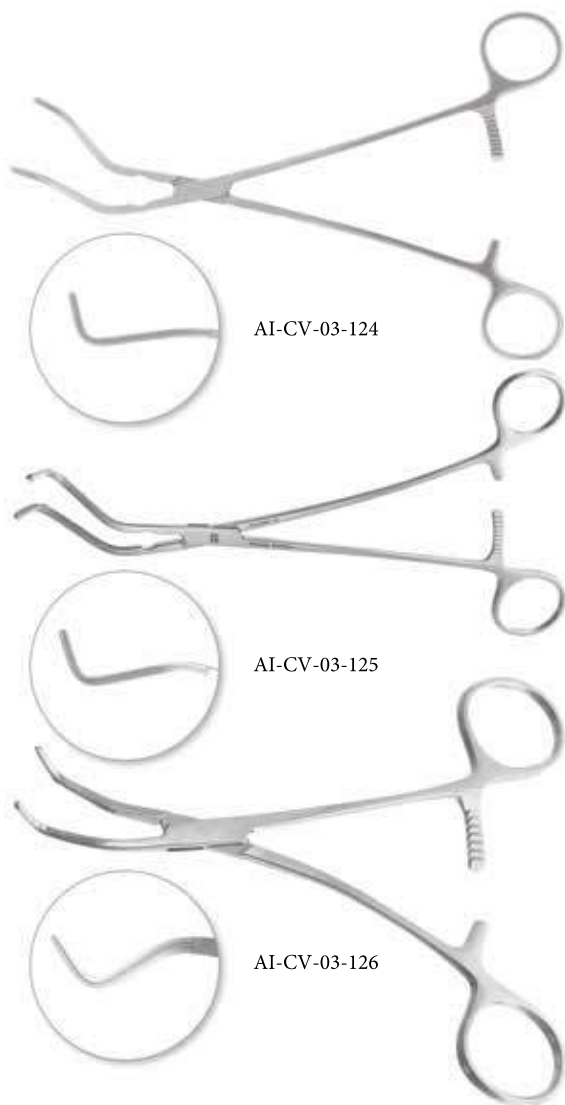
Renal Clamps



CLEVELAND CLINIC RENAL CLAMPS

Specifically designed to access renal arteries. Jaws angled left and right. DeBaKey-type Jaws.

CATALOG #	DESCRIPTION
AI-CV-03-124	Left large, 9-5/8" (24.5 cm)
AI-CV-03-125	Right large, 9-5/8" (24.5 cm)
AI-CV-03-126	Left baby renal clamp, extra-fine, 1.7 mm jaws, 6-1/2" (16.5 cm)
AI-CV-03-127	Right baby renal clamp, extra-fine, 1.7 mm jaws, 6-1/2" (16.5 cm)

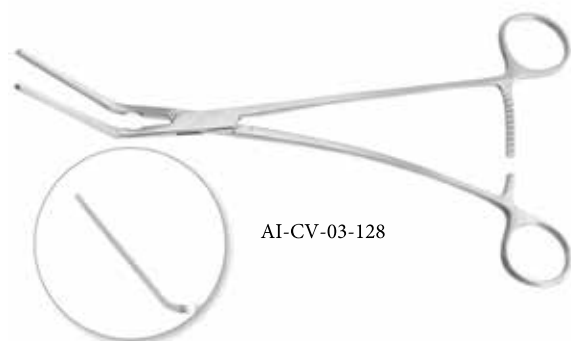


VASCULAR CLAMPS

Renal Clamps



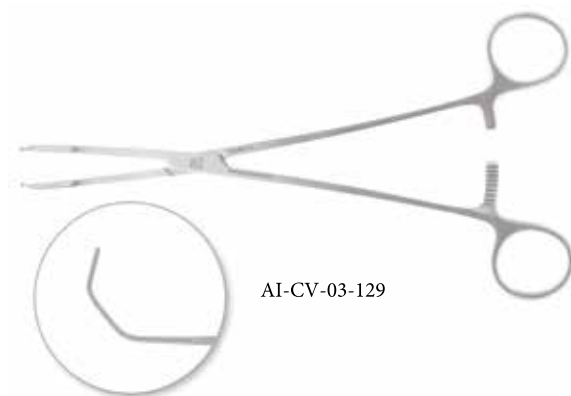
DEBAKEY RENAL ARTERY CLAMP



AI-CV-03-128

CATALOG #	DESCRIPTION
AI-CV-03-128	DeBakey -type Jaw, long, curved spring handle, 1 x 9 ratchets, 10-1/8" (25.5 cm)

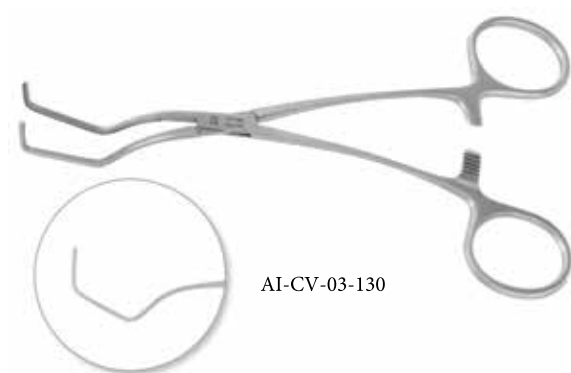
STONEY SPLENO-RENAL SHUNT CLAMP



AI-CV-03-129

CATALOG #	DESCRIPTION
AI-CV-03-129	Long, extra-fine DeBakey-type Jaw, spring handle, 1 x 9 ratchets, 9-1/4" (23.5 cm)

WIRTHLIN SPLENO-RENAL SHUNT CLAMP



AI-CV-03-130

CATALOG #	DESCRIPTION
AI-CV-03-130	Long, DeBakey-type Jaw, spring handle, 1 x 6 ratchets, 6-1/2" (16.5 cm)

VASCULAR CLAMPS

Femoral-Popliteal Clamps



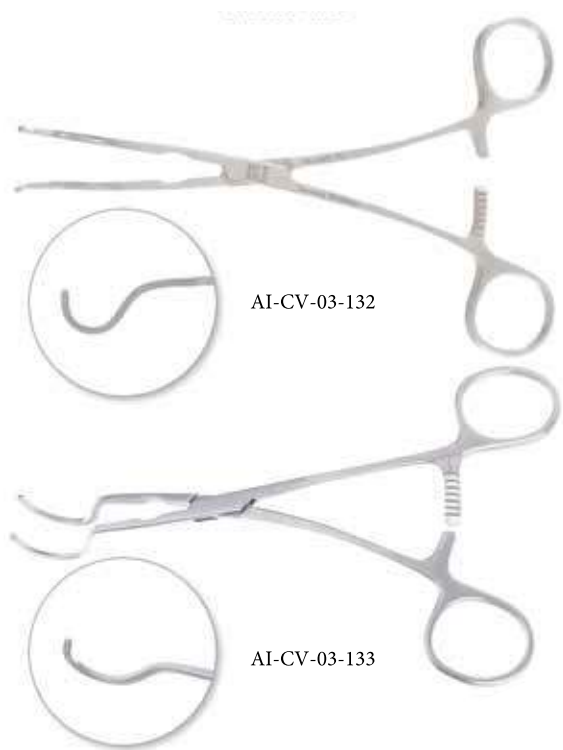
DALE FEMORAL-POPLITEAL ANASTOMOSIS CLAMP



AI-CV-03-131

CATALOG #	DESCRIPTION
AI-CV-03-131	DeBakey -type Jaw, spring handle, 1 x 7 ratchets, 7-3/8" (19 cm)

DALE FEMORAL-POPLITEAL CLAMPS

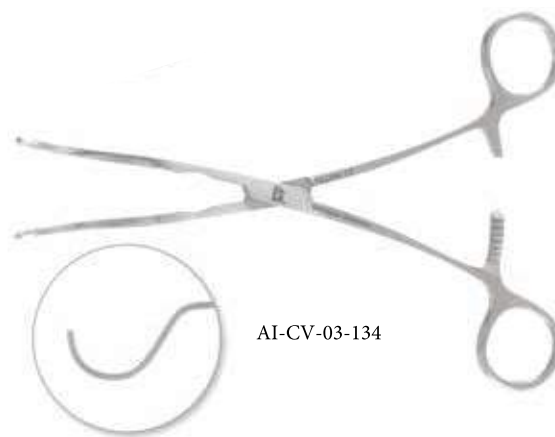


AI-CV-03-132

AI-CV-03-133

Spring handle, 1 x 7 ratchets.

CATALOG #	DESCRIPTION
AI-CV-03-132	Small, 7" (17.5 cm)
AI-CV-03-133	Medium, 7-1/8" (18 cm)
AI-CV-03-134	Large, 7-1/4" (18.5 cm)



AI-CV-03-134

VASCULAR CLAMPS

Femoral-Popliteal Clamps



DEMOS TIBIAL ARTERY CLAMP



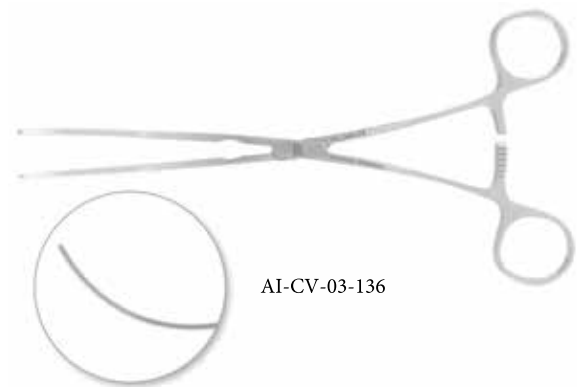
AI-CV-03-135

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

CATALOG #	DESCRIPTION
AI-CV-03-135	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



AI-CV-03-136

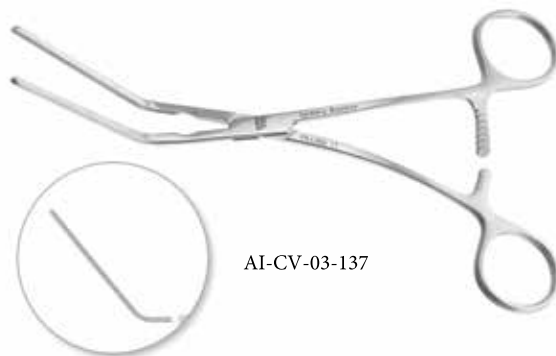
CATALOG #	DESCRIPTION
AI-CV-03-136	Spring handles, 1 x 7 ratchets, 7-7/8" (20 cm)

VASCULAR CLAMPS

Peripheral Vascular Clamps



DEBAKEY ANGLED PERIPHERAL VASCULAR CLAMP



AI-CV-03-137

CATALOG #	DESCRIPTION
AI-CV-03-137	Long, angled DeBakeytype Jaw, spring handles, 1 x 7 ratchets, 7-1/8" (18 cm)

DEBAKEY AORTIC EXCLUSION CLAMP



AI-CV-03-138

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

CATALOG #	DESCRIPTION
AI-CV-03-138	DeBakey-type Curved Jaws, 7-1/8" (18 cm)

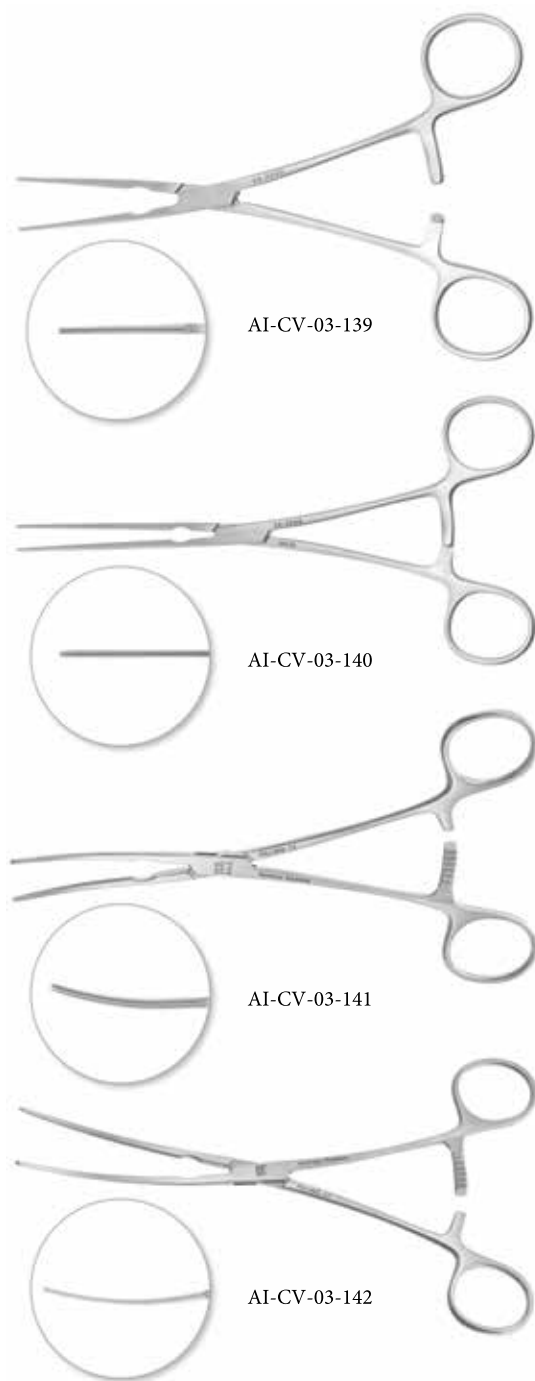
VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY BAINBRIDGE VASCULAR CLAMPS

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

CATALOG #	DESCRIPTION
AI-CV-03-139	Straight, 4 cm jaws, overall length 7" (18 cm)
AI-CV-03-140	Straight, 6 cm jaws, overall length 7-7/8" (20 cm)
AI-CV-03-141	Curved, 4 cm jaws, overall length 7" (18 cm)
AI-CV-03-142	Curved, 6 cm jaws, overall length 7-3/4" (19.5 cm)

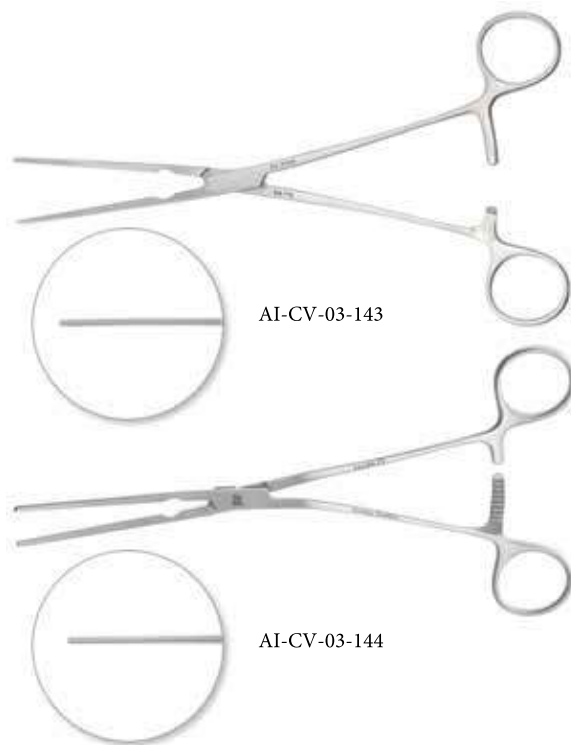


VASCULAR CLAMPS

Peripheral Vascular Clamps



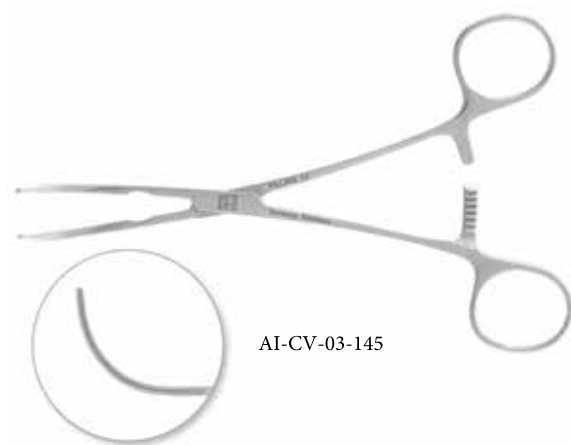
DEBAKEY COARCTATION CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-143	Long, straight, 3-1/8" (8 cm) jaw, 9" (23 cm)
AI-CV-03-144	Long, angled, 3" (7.5 cm) jaw, 8-3/4" (22 cm)

DEBAKEY CURVED PERIPHERAL VASCULAR CLAMP



CATALOG #	DESCRIPTION
AI-CV-03-145	Long, DeBakey-type Jaw, spring handle, 1 x 7 ratchets, 6-3/4" (17 cm)



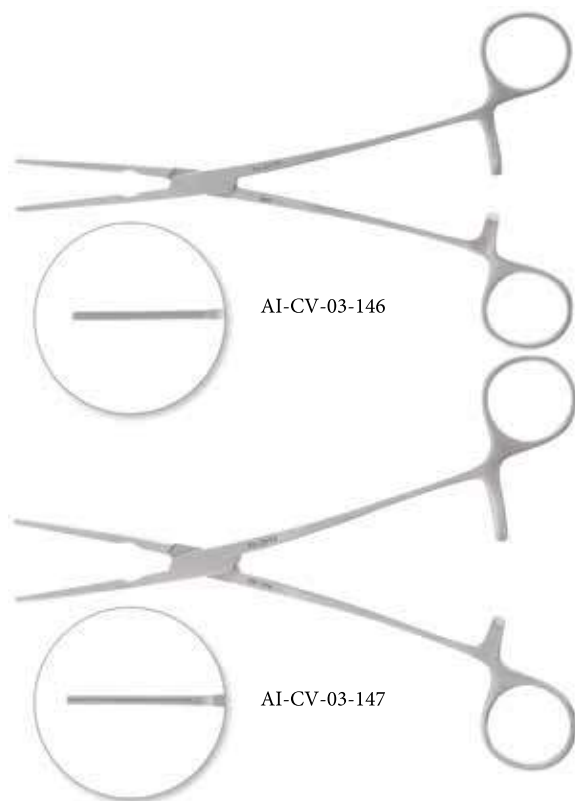
VASCULAR CLAMPS

Peripheral Vascular Clamps

DEBAKEY PATENT DUCTUS CLAMPS

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

CATALOG #	DESCRIPTION
AI-CV-03-146	Straight, 2-1/4" (5.5 cm) jaw, 8-1/4" (21 cm)
AI-CV-03-147	Angled, 2-3/8" (6 cm) jaw, 8-1/8" (20.5 cm)



VASCULAR CLAMPS

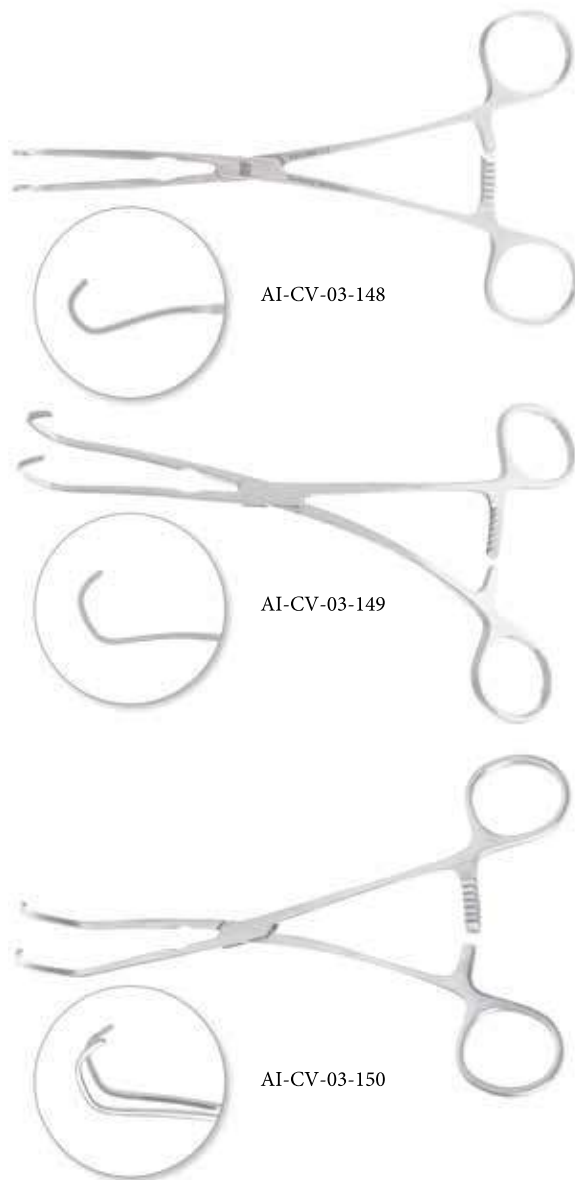
Peripheral Vascular Clamps



DERRA MINIATURE ANASTOMOSIS CLAMPS

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

CATALOG #	DESCRIPTION
AI-CV-03-148	Small, 3/4" (2 cm) jaw, 6-7/8" (17.5 cm)
AI-CV-03-149	Medium, 1-1/8" (3 cm) jaw, 7" (18 cm)
AI-CV-03-150	Large, 1-1/4" (3 cm) jaw, 7-1/8" (18 cm)

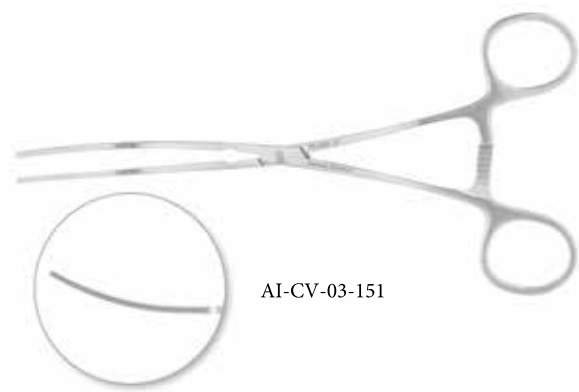


VASCULAR CLAMPS

Peripheral Vascular Clamps

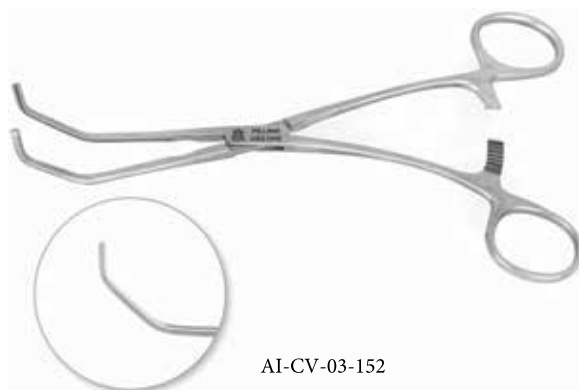


DIETHRICH CAVAL OCCLUSION CLAMP



CATALOG #	DESCRIPTION
AI-CV-03-151	9-3/4" (25 cm)

DIETHRICH CORONARY ARTERY CLAMP



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

CATALOG #	DESCRIPTION
AI-CV-03-152	Angled, DeBakeytype Jaws, 1-1/4" (3 cm), 7-1/8" (18 cm)

VASCULAR CLAMPS

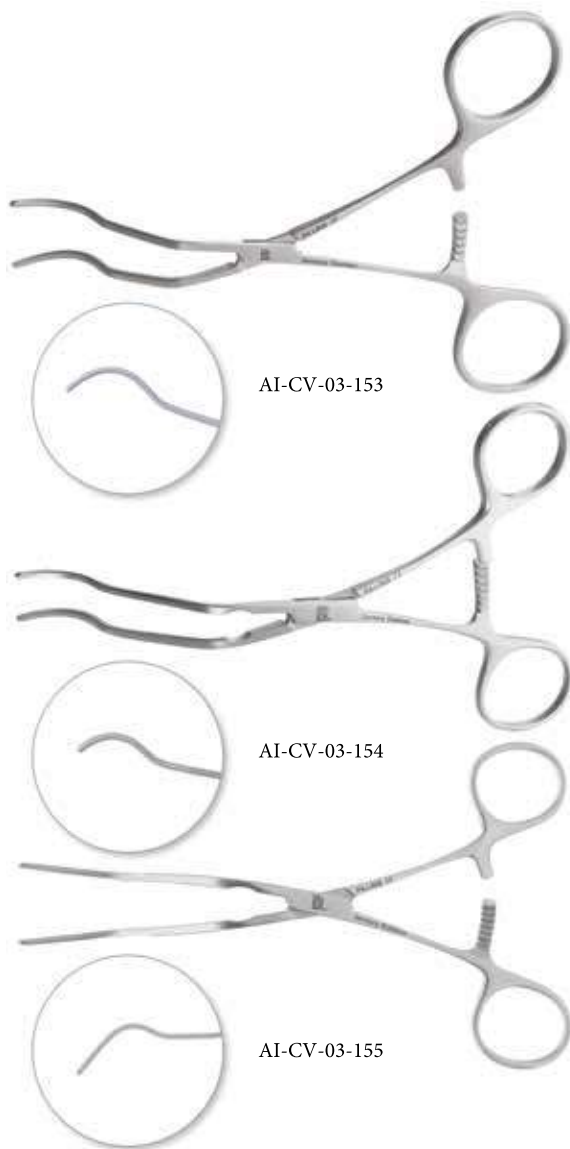
Peripheral Vascular Clamps



GREGORY PROFUNDA CLAMPS

DeBakey-type Jaw, 1 x 6 ratchets.

CATALOG #	DESCRIPTION
AI-CV-03-153	Small, 2-1/4" (6 cm) extra-fine jaw, 4-3/4" (12 cm)
AI-CV-03-154	Medium, 3-1/4" (8.5 cm) regular jaw, 6-1/8" (15.5 cm)
AI-CV-03-155	Large, 4" (10 cm) jaw, 7" (18 cm)

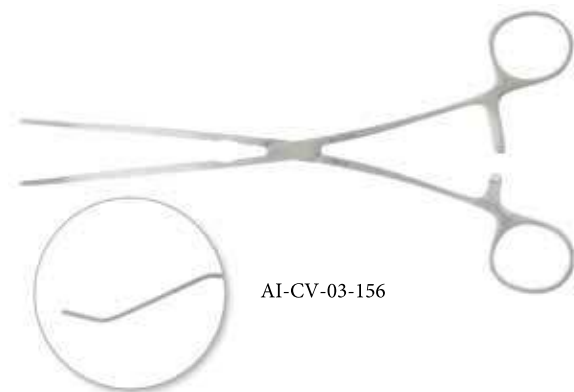




VASCULAR CLAMPS

Peripheral Vascular Clamps

HENLY SUBCLAVIAN ARTERY CLAMP

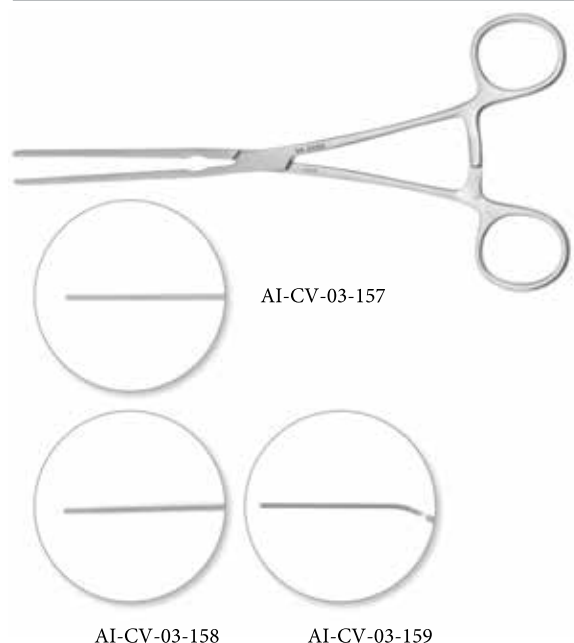


AI-CV-03-156

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

CATALOG #	DESCRIPTION
AI-CV-03-156	8-3/8" (21 cm)

LELAND JONES CLAMPS



AI-CV-03-157

AI-CV-03-158

AI-CV-03-159

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

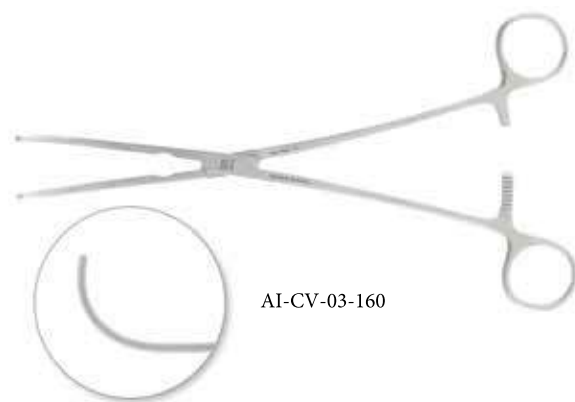
CATALOG #	DESCRIPTION
AI-CV-03-157	Straight, 8-1/8" (20.5 cm)
AI-CV-03-158	Angled 15 degrees, 8-1/8" (20.5 cm)
AI-CV-03-159	Angled 30 degrees, 8" (20.5 cm)

VASCULAR CLAMPS

Peripheral Vascular Clamps



MITCHELL-ADAM MULTIPURPOSE CLAMP

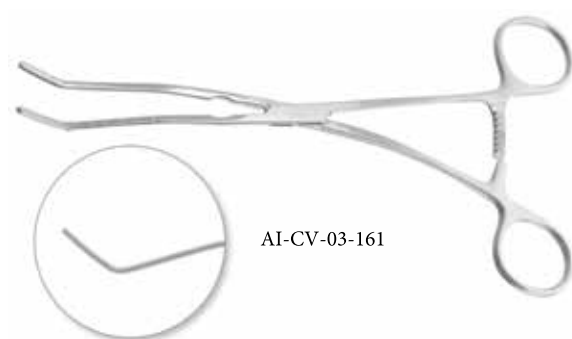


A delicate vascular clamp 25 cm long with curved shanks. Designed as a multi-purpose clamp for vascular surgery. DeBakey-type Jaws.

CATALOG #	DESCRIPTION
AI-CV-03-160	9-7/8" (25 cm)

Cooley Vascular Clamps

COOLEY CAROTID, SUBCLAVIAN AND RENAL CLAMP



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

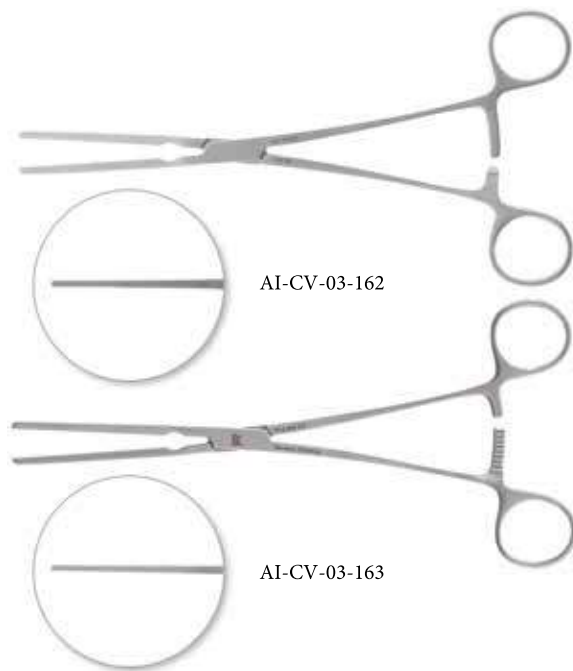
CATALOG #	DESCRIPTION
AI-CV-03-161	Carotid, jaw length 5/8" (15 mm), 7-3/4" (19.5 cm)

VASCULAR CLAMPS

Cooley Vascular Clamps



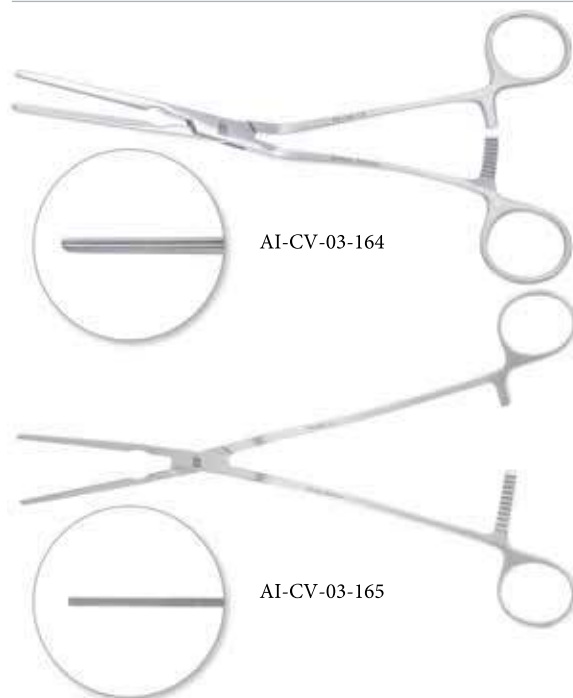
COOLEY COARCTATION CLAMPS



Standard length.

CATALOG #	DESCRIPTION
AI-CV-03-162	Straight, jaw section 2-7/8" (7.5 cm) long, 8-3/4" (22.5 cm)
AI-CV-03-163	Angled, jaw section 2-3/8" (6 cm) long, 8-7/8" (22.5 cm)

COOLEY ILIAC CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-164	Light model, 8-1/4" (21 cm)
AI-CV-03-165	9-3/4" (25 cm)

VASCULAR CLAMPS

Cooley Vascular Clamps



COOLEY JAW MULTIPURPOSE CLAMPS



60 degree angled jaws with curved shafts.

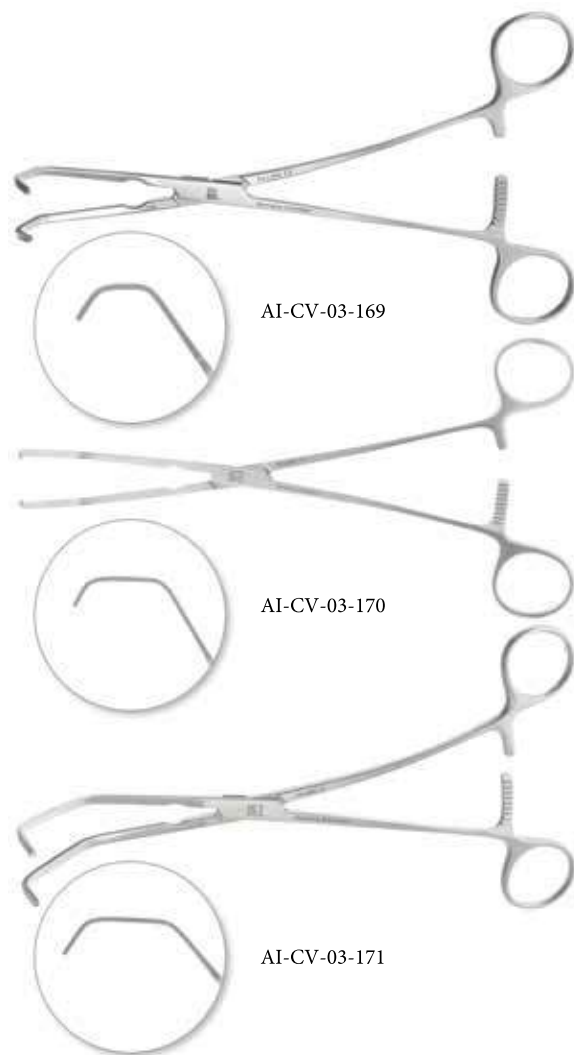
CATALOG #	DESCRIPTION
AI-CV-03-166	No. 1, jaw length 1-1/2" (4 cm), 9-1/8" (23 cm)
AI-CV-03-167	No. 2, jaw length 2-1/8" (5.5 cm), 8-1/2" (21.5 cm)
AI-CV-03-168	No. 3, jaw length 2-1/2" (6.5 cm), 8-1/2" (21.5 cm)

VASCULAR CLAMPS

Cooley Vascular Clamps

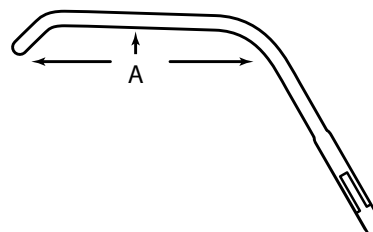


COOLEY PARTIAL-OCCLUSION CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-03-169	No. 1, (A) length 1" (2.5 cm), overall 8-1/8" (20.5 cm)
AI-CV-03-170	No. 2, (A) length 1-1/2" (4 cm), overall 8-7/8" (22.5 cm)
AI-CV-03-171	No. 3, (A) length 1-7/8" (5 cm), overall 8-7/8" (22.5 cm)

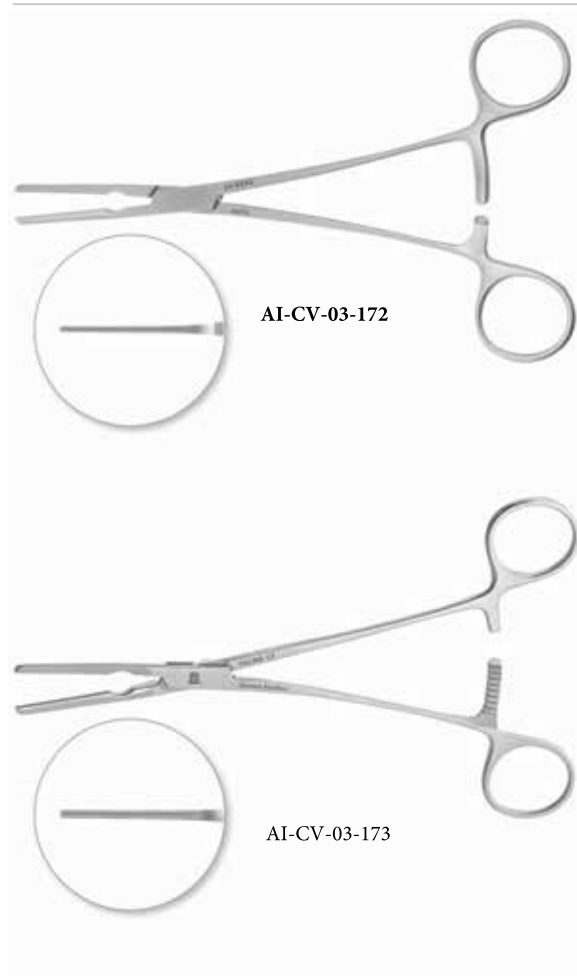


VASCULAR CLAMPS

Cooley Vascular Clamps



COOLEY PATENT-DUCTUS CLAMPS



CATALOG #	DESCRIPTION
AI-CV-03-172	Straight, 8" (20.5 cm)
AI-CV-03-173	Angled, 7-7/8" (20 cm)

VASCULAR CLAMPS

Cooley Vascular Clamps



COOLEY PERIPHERAL VASCULAR CLAMPS

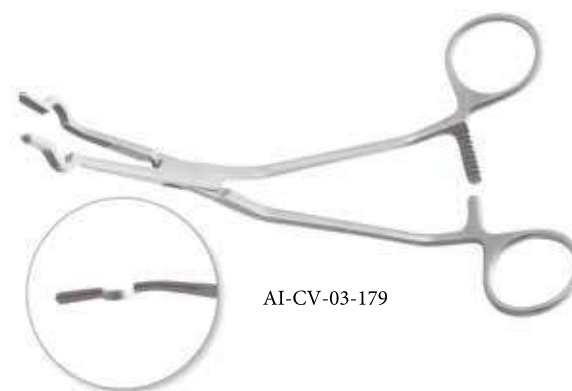


AI-CV-03-175

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

CATALOG #	DESCRIPTION
AI-CV-03-174	Angled, 7-1/2" (19 cm)
AI-CV-03-175	Curved, 6-3/4" (17 cm)

COOLEY VENA CAVA CLAMPS

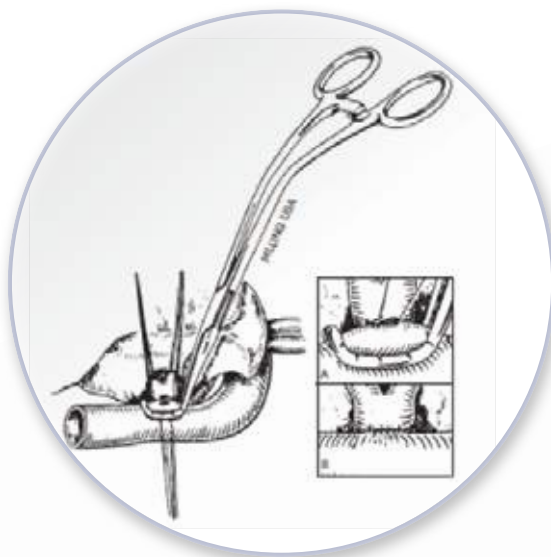


AI-CV-03-179

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

CATALOG #	DESCRIPTION
AI-CV-03-176	Child size, 24 Fr. Ring tip width, 6-1/8" (15.5 cm)
AI-CV-03-177	Child size, 26 Fr. Ring tip width, 7-1/4" (18.5 cm)
AI-CV-03-178	Adult size, 28 Fr. Ring tip width, 7-1/4" (18.5 cm)
AI-CV-03-179	Adult size, 30 Fr. Ring tip width, 7-1/4" (18.5 cm)
AI-CV-03-180	Adult size, 32 Fr. Ring tip width, 7-1/4" (18.5 cm)
AI-CV-03-181	Adult size, 34 Fr. Ring tip width, 7-1/4" (18.5 cm)
AI-CV-03-182	Adult size, 36 Fr. Ring tip width, 7-1/4" (18.5 cm)

AORTIC VASCULAR CLAMPS



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

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

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

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

The intention is to minimize trauma to vessels with the soft spring handles but hold securely with DeBakey–type Jaws.

HISTORY AND ACHIEVEMENTS

Since 1814, SH Medexperts 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 SH Medexperts 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.

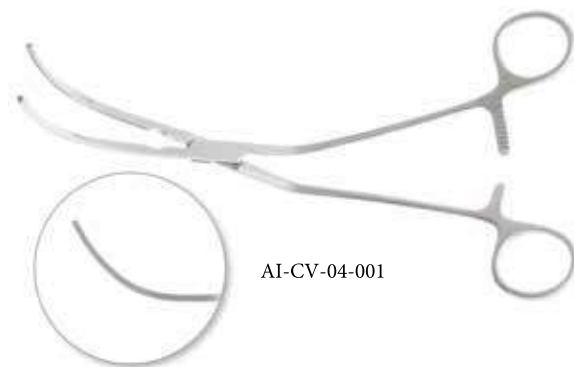
The SH Medexperts Brand has gained international acclaim for providing exceptional surgical tools. Working closely with the world’s top specialists, we continue to customize instrumentation to meet their exacting individual requirements. We have designed over 500 vascular clamps.

VASCULAR CLAMPS

Aortic Vascular Clamps



BAHNSON AORTA CLAMP

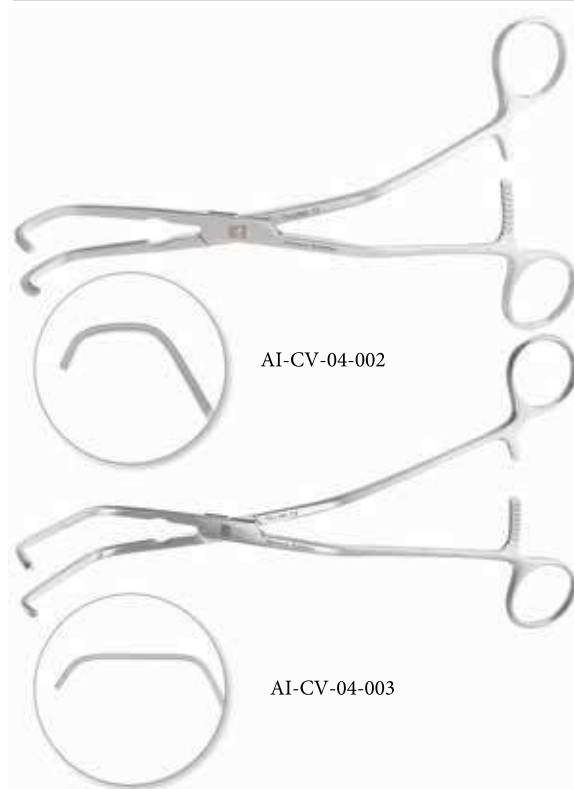


AI-CV-04-001

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

CATALOG #	DESCRIPTION
AI-CV-04-001	Curved, DeBakey Jaw, 2-3/4" (7 cm), 9" (23 cm)

BAILEY AORTA CLAMPS

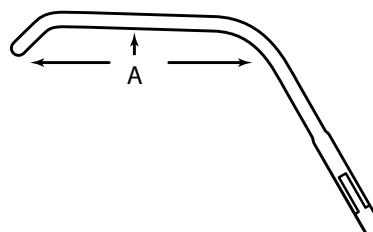


AI-CV-04-002

AI-CV-04-003

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

CATALOG #	DESCRIPTION
AI-CV-04-002	Angled shafts, extra-small size jaw, (A) length 1-1/8" (3 cm), 8" (20.5 cm)
AI-CV-04-003	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



AI-CV-04-005



AI-CV-04-004

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

CATALOG #	DESCRIPTION
AI-CV-04-004	Angled, DeBakey Jaw, 1-1/4" (3 cm) tip length (A), 8-1/8" (20.5 cm)
AI-CV-04-005	Angled, DeBakey Jaw, 2" (5 cm) tip length (A), 8-5/8" (22 cm)



CHERRY SUPRACELIAC CLAMP



AI-CV-04-006



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

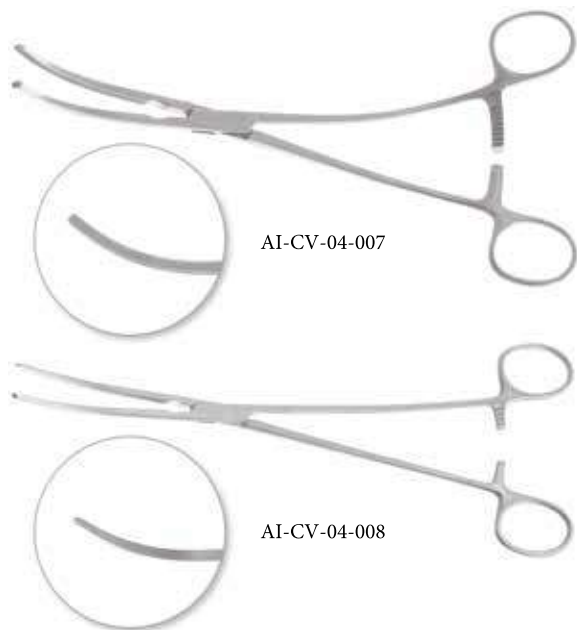
CATALOG #	DESCRIPTION
AI-CV-04-006	Curved, 2 x 3 DeBakey-type Jaw, 50 degree handle, LIFE-LOK Box-Lock, 12-1/4" (31 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

CRAFOORD COARCTATION VASCULAR CLAMPS



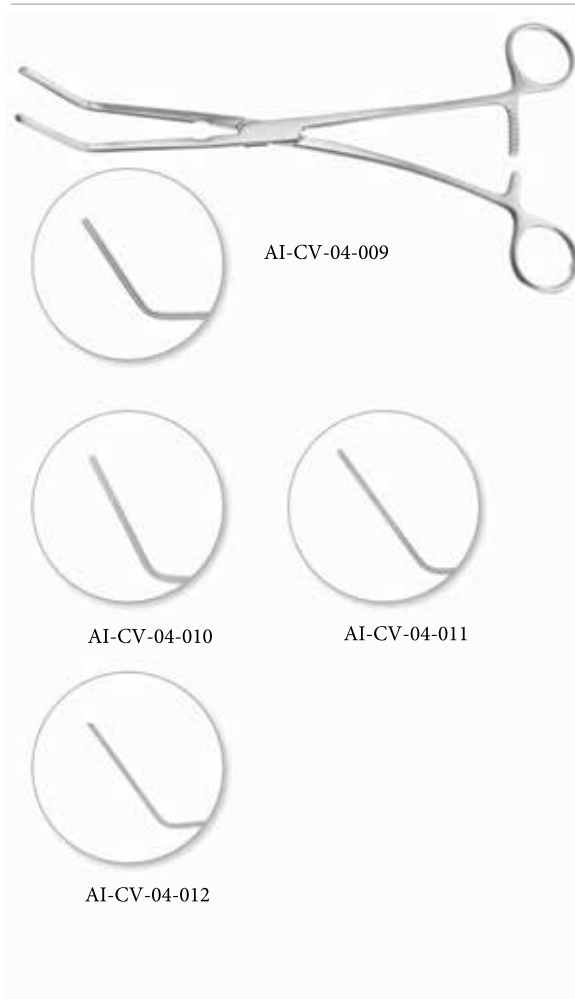
CATALOG #	DESCRIPTION
AI-CV-04-007	Slightly curved, 3-3/8" (8.5 cm) DeBakey-type Jaw, 1 x 9 ratchets, 9-5/8" (24.5 cm)
AI-CV-04-008	Slightly curved, with original, longitudinal jaws, 9-5/8" (24.5 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

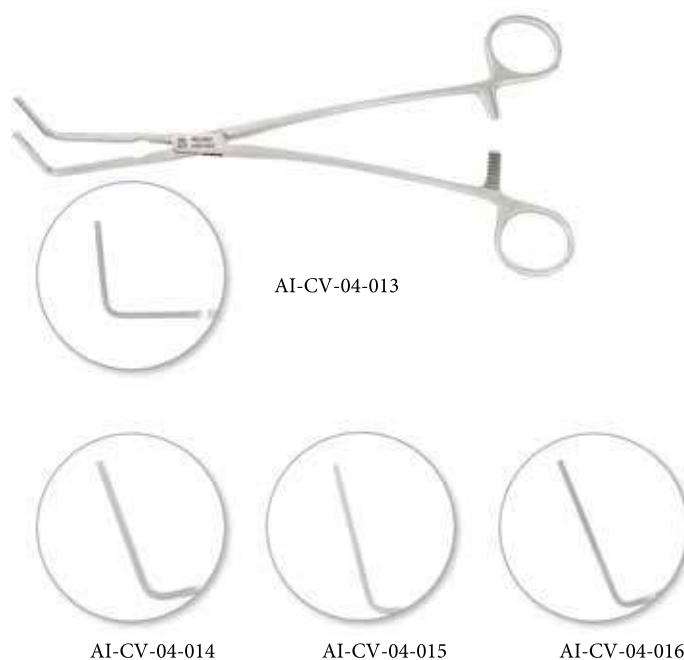


DEBAKEY MULTI-PURPOSE ANGLED CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-04-009	No. 1, 60 degree angle, 1-1/4" (3.5 cm) jaw, 1 x 9 ratchets, 9-1/2" (24 cm)
AI-CV-04-010	No. 2, 60 degree angle, 1-3/4" (4.5 cm) jaw, 1 x 9 ratchets, 8-5/8" (22 cm)
AI-CV-04-011	No. 3, 60 degree angle, 2" (5 cm) jaw, 1 x 9 ratchets, 9-7/8" (25 cm)
AI-CV-04-012	No. 4, 60 degree angle, 3-1/2" (8.9 cm) jaw, 1 x 11 ratchets, 11-5/8" (29.5 cm)
AI-CV-04-013	No. 1, 90 degree angle, 1-3/4" (4.5 cm) jaw, 9-1/2" (24 cm)
AI-CV-04-014	No. 2, 90 degree angle, 2-1/4" (5.5 cm) jaw, 7-1/4" (18.5 cm)
AI-CV-04-015	No. 3, 90 degree angle, 2-3/4" (7 cm) jaw, 9" (23 cm)
AI-CV-04-016	No. 4, 90 degree angle, 4-1/8" (10.5 cm) jaw, 10-1/4" (26 cm)

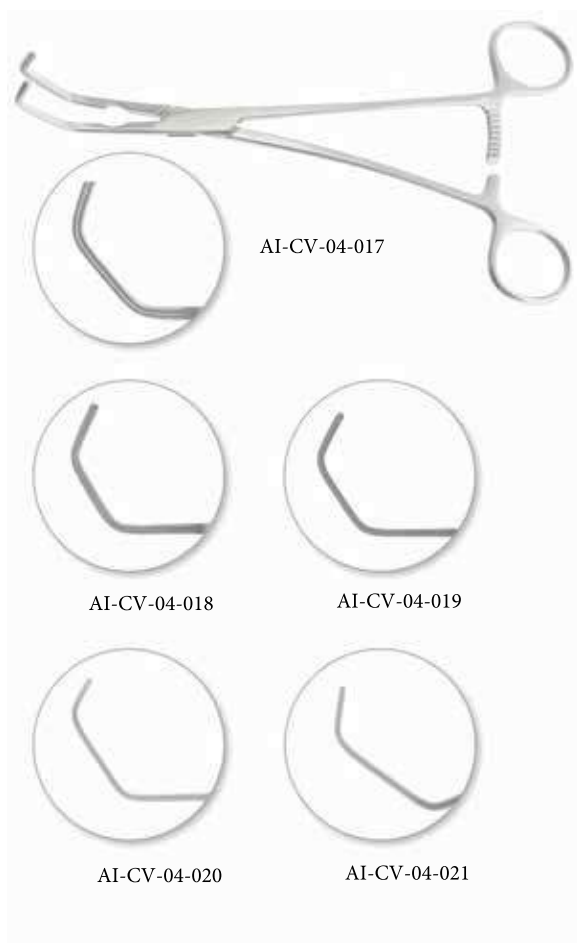


VASCULAR CLAMPS

Aortic Vascular Clamps



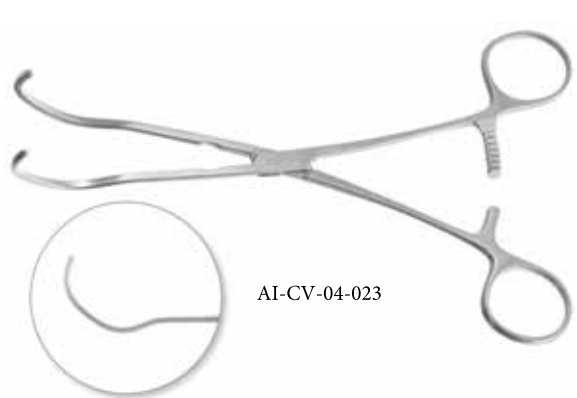
DEBAKEY TANGENTIAL OCCLUSION CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-04-017	No. 1, 1-3/8" (3.5 cm) jaw, 1 x 9 ratchets, 7-3/4" (19.5 cm)
AI-CV-04-018	No. 2, 1-7/8" (5 cm) jaw, 1 x 11 ratchets, 10" (25.5 cm)
AI-CV-04-019	No. 3, 2" (5 cm) jaw, 1 x 11 ratchets, 10-3/8" (26.5 cm)
AI-CV-04-020	No. 4, 2-3/8" (6 cm) jaw, 1 x 11 ratchets, 10" (25.5 cm)
AI-CV-04-021	No. 5, 3-1/8" (8 cm) jaw, 1 x 11 ratchets, 10-1/8" (25.5 cm)
AI-CV-04-022	Complete set of 5 clamps

FAVALORO PROXIMAL ANASTOMOSIS CLAMP



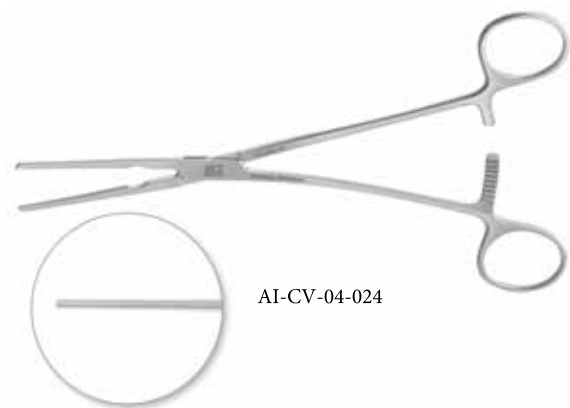
CATALOG #	DESCRIPTION
AI-CV-04-023	Curved, 1-1/4" (3.5 cm) DeBakey-type Jaws, 8" (20 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps



GERBODE PATENT DUCTUS CLAMP



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

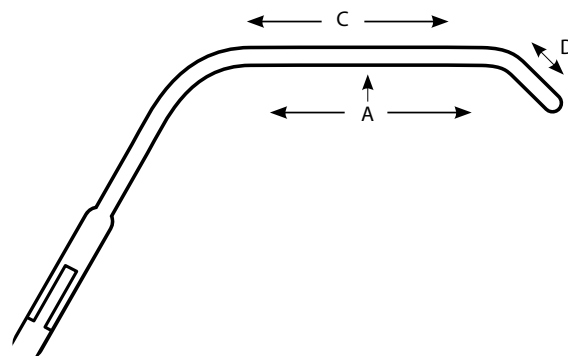
CATALOG #	DESCRIPTION
AI-CV-04-024	Angled, 8" (20.5 cm)

GLOVER ATRIAL APPENDAGE CLAMP



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

CATALOG #	DESCRIPTION
AI-CV-04-025	Jaw (A) length 1-11/16" (43 mm), (A) depth 1/4" (7 mm), (C) 1-1/8" (30 mm), (D) 1/2" (13 mm), 9-1/2" (24 cm)



VASCULAR CLAMPS

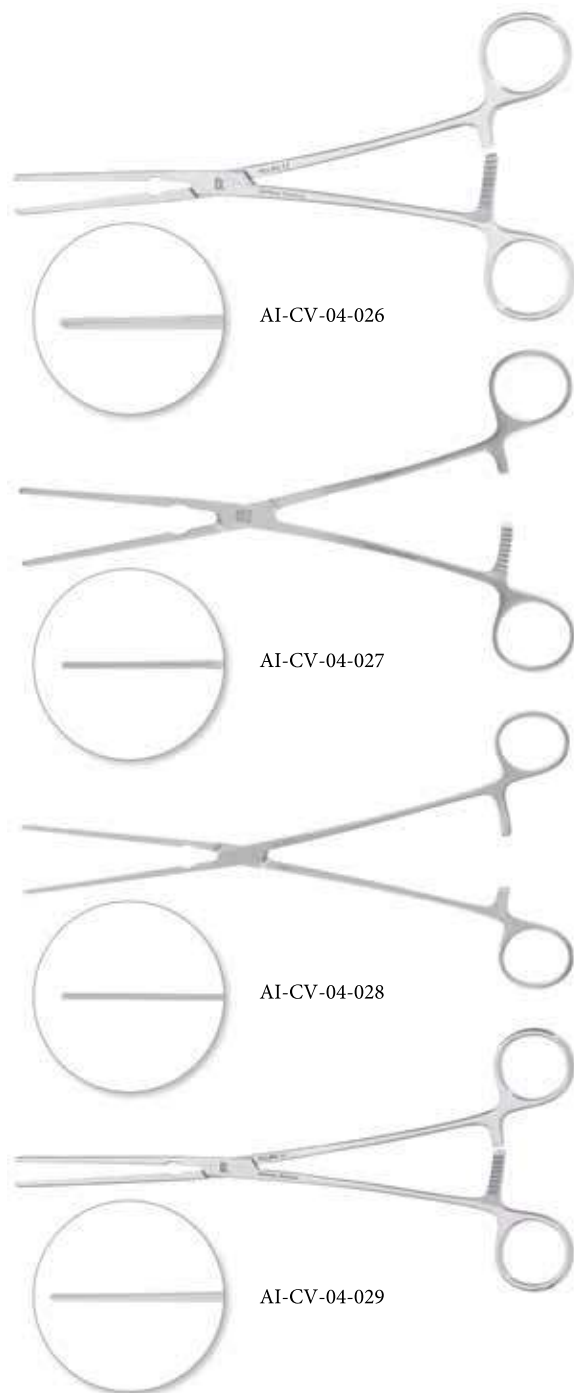
Aortic Vascular Clamps



GLOVER COARCTATION CLAMPS

DeBakey-type Jaw, 1 x 9 ratchets.

CATALOG #	DESCRIPTION
AI-CV-04-026	Straight, 3-1/8" (8 cm) jaw, 9" (23 cm)
AI-CV-04-027	Angled, 3-1/8" (8 cm) jaw, 8-7/8" (22.5 cm)
AI-CV-04-028	Extra-long, straight, 3-3/4" (9.5 cm) jaw, 10-5/8" (27 cm)
AI-CV-04-029	Extra-long, angled, 3-5/8" (9 cm) tip length, 10-3/8" (26.5 cm)



VASCULAR CLAMPS

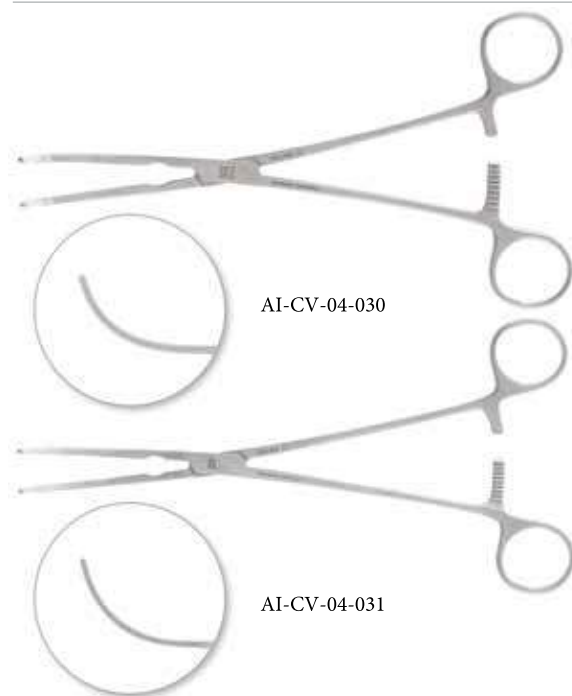
Aortic Vascular Clamps



GLOVER CURVED CLAMPS

Curved DeBakey-type Jaws.

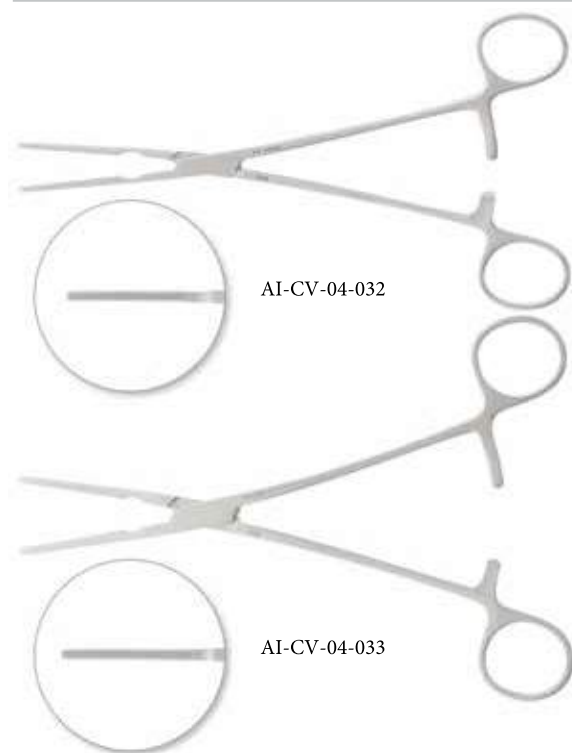
CATALOG #	DESCRIPTION
AI-CV-04-030	Standard size, 1-1/4" (3 cm) jaw, 8-1/2" (21.5 cm)
AI-CV-04-031	Extra-long, 1-3/4" (4.5 cm) jaw, 9-7/8" (25 cm)



GLOVER PATENT DUCTUS CLAMPS

DeBakey-type Jaws, 1 x 9 ratchets.

CATALOG #	DESCRIPTION
AI-CV-04-032	Straight, 2-1/4" (5.8 cm) jaw, 8-1/8" (20.5 cm)
AI-CV-04-033	Angled, 3/4" (1.9 cm) jaw, 8-1/4" (21 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps



GLOVER RIGHT ANGLE CURVED CLAMPS

Curved DeBakey-type Jaws.

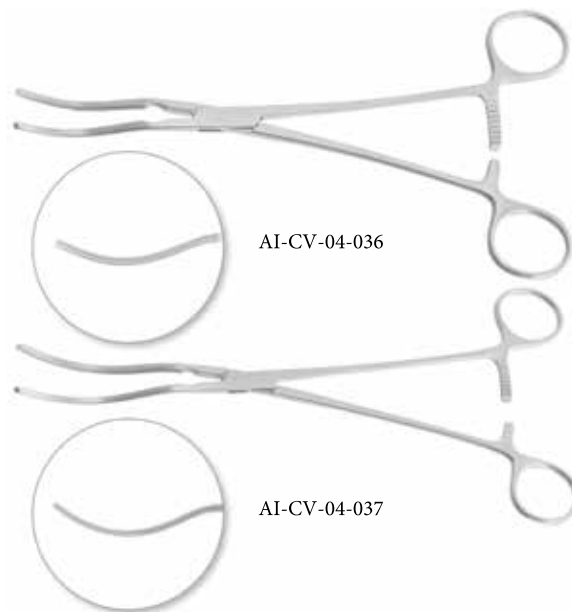
CATALOG #	DESCRIPTION
AI-CV-04-034	1-7/8" (4.8 cm) jaw, 7-5/8" (19.5 cm)
AI-CV-04-035	2-3/8" (6 cm) jaw, 8-7/8" (22.5 cm)



GLOVER SPOON SHAPED CLAMPS

Curved DeBakey-type Jaws.

CATALOG #	DESCRIPTION
AI-CV-04-036	Standard size, 2-3/4" (7 cm) jaw, 8-5/8" (22 cm)
AI-CV-04-037	Extra-long, 3-7/8" (10 cm) jaw, 10-1/2" (27 cm)

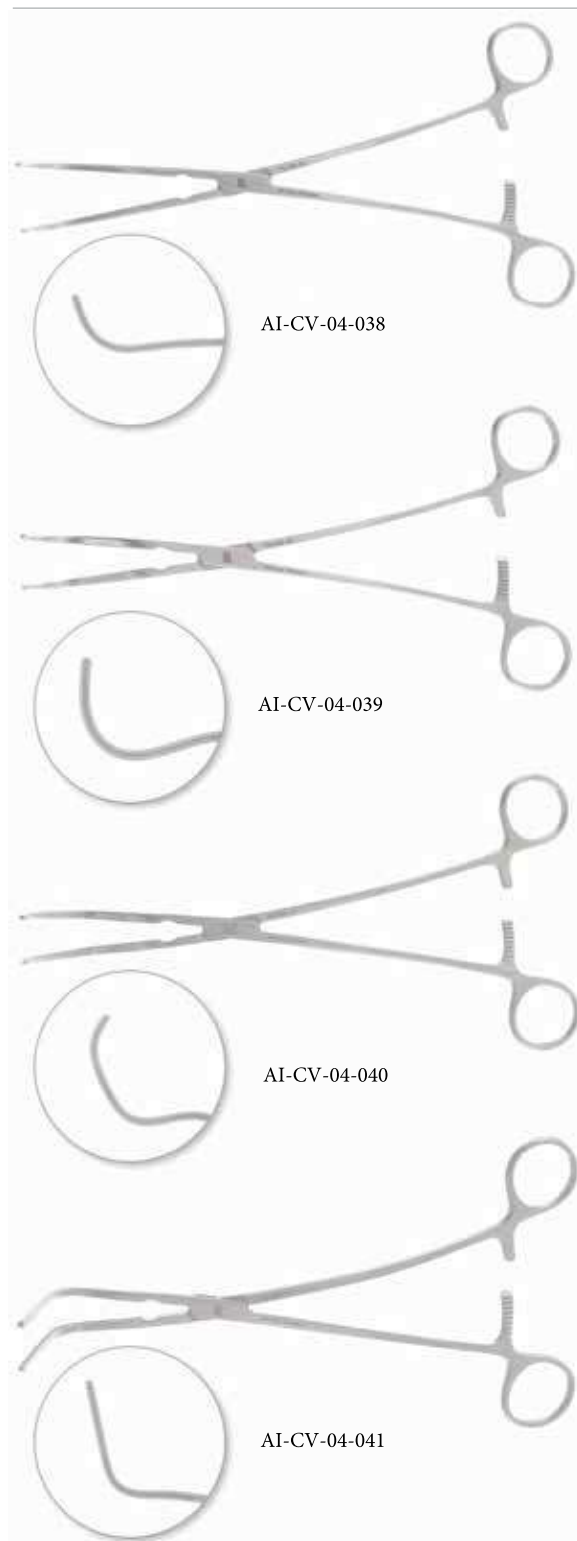


VASCULAR CLAMPS

Aortic Vascular Clamps



HARKEN CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-04-038	No. 1 curve, 10-1/2" (26.5 cm)
AI-CV-04-039	No. 2 curve, 10-1/8" (25.5 cm)
AI-CV-04-040	No. 3 curve, 10" (25.5 cm)
AI-CV-04-041	No. 4 curve, 9-5/8" (24.5 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

HUFNAGEL AORTA CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-04-042	Curved, 3-1/8" (8 cm) jaws, 9-5/8" (24.5 cm)
AI-CV-04-043	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



AI-CV-04-044

CATALOG #	DESCRIPTION
AI-CV-04-044	1-3/4" (4.5 cm) jaw, 8-1/8" (20.5 cm)

LAMBERT-KAY AORTIC ANASTOMOSIS CLAMP



AI-CV-04-045

CATALOG #	DESCRIPTION
AI-CV-04-045	Large, 2" (5 cm) tip length, 8-1/8" (20.5 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps



KAY AORTIC ANASTOMOSIS CLAMP



AI-CV-04-046

CATALOG #	DESCRIPTION
AI-CV-04-046	1-1/2" (4 cm) jaw, 7-5/8" (19.5 cm)

LEMOLE-STRONG AORTA CLAMPS



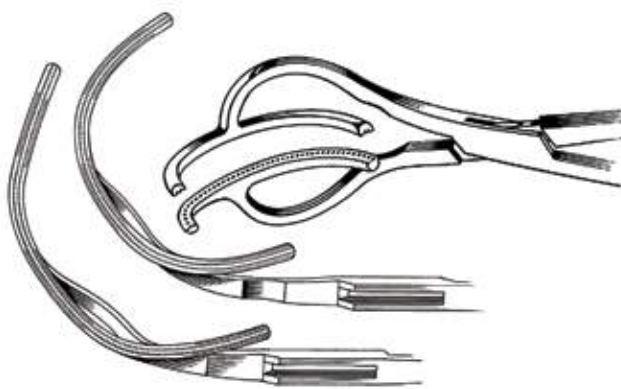
AI-CV-04-047

DeBakey-type Jaw, 1 x 9 ratchets.

CATALOG #	DESCRIPTION
AI-CV-04-047	Straight shanks, 7-7/8" (20 cm)
AI-CV-04-048	Angled shanks, 8" (20.5 cm)



AI-CV-04-048



VASCULAR CLAMPS

Aortic Vascular Clamps



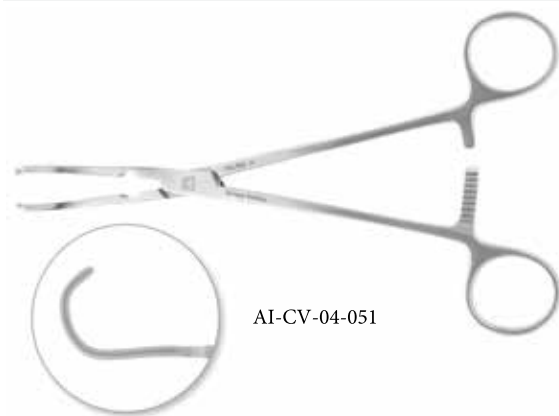
STRONG AORTA CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-04-049	Straight shanks, 8" (20 cm)
AI-CV-04-050	Angled shanks, 8-1/8" (20.5 cm)

MITCHELL AORTOTOMY CLAMP



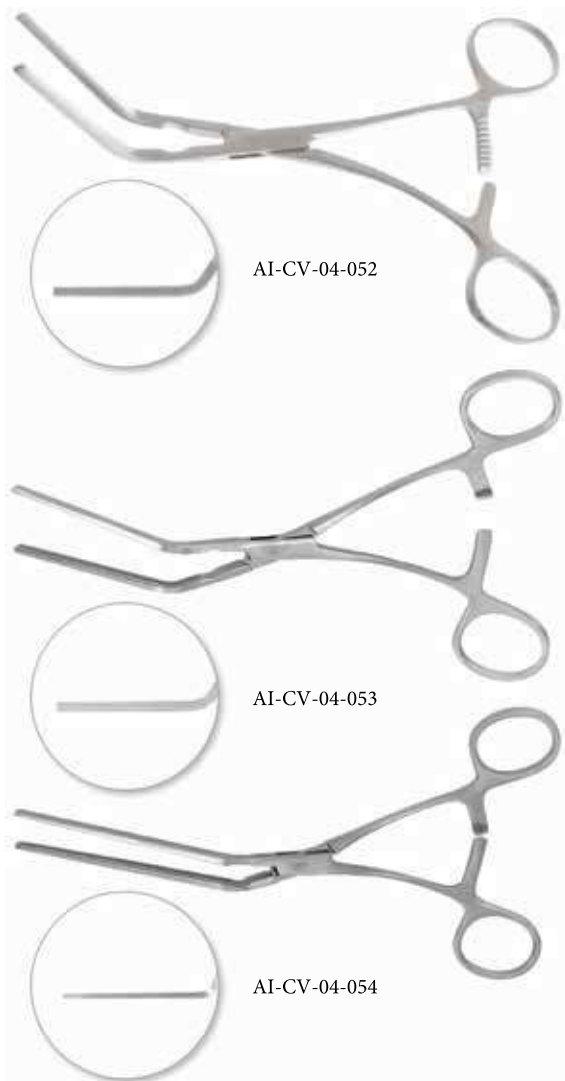
CATALOG #	DESCRIPTION
AI-CV-04-051	DeBakey-type Jaws, 1 x 9 ratchets, 8" (20.5 cm)



VASCULAR CLAMPS

Aortic Vascular Clamps

MORRIS ASCENDING AORTA CLAMPS



2 x 3 DeBakey-type Jaws.

CATALOG #	DESCRIPTION
AI-CV-04-052	Jaws 2-1/2" (6.5 cm) from angle, 8-1/8" (20.5 cm)
AI-CV-04-053	Jaws 2-1/2" (6.5 cm) from angle, 9-1/2" (24 cm)
AI-CV-04-054	Jaws 3-3/4" (9.5 cm) from angle, 9-1/2" (24 cm)

VASCULAR CLAMPS

Aortic Vascular Clamps

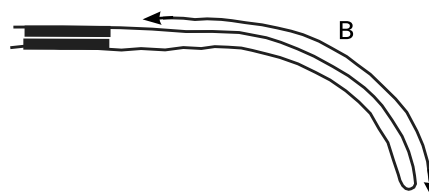


O'NEILL DOUBLE CURVED CLAMP



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.

CATALOG #	DESCRIPTION
AI-CV-04-055	(B) 3-1/8" (80 mm), 10-1/2" (26.5 cm)

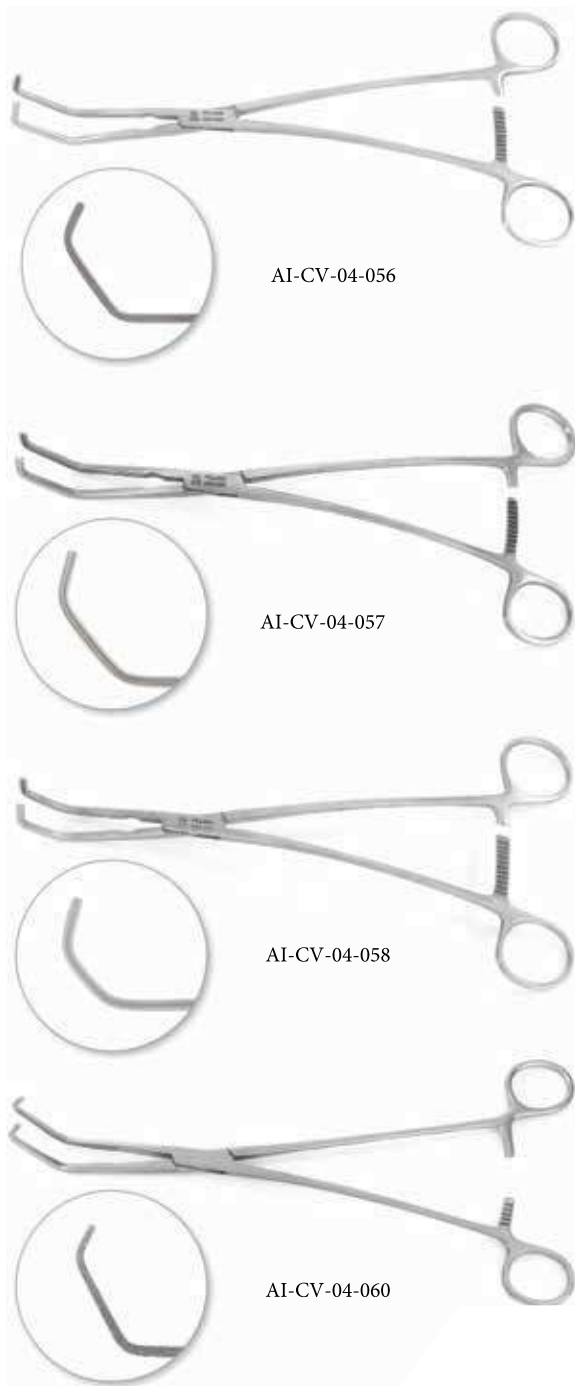


VASCULAR CLAMPS

Aortic Vascular Clamps



SATINSKY CLAMPS



These instruments, originally designed for secure noncrushing grip in clamping the vena cava, have proven to be the most popular and versatile of all cardiac clamps. They are now provided in a variety of jaw types and sizes as listed. DeBakey-type Jaws, 1 x 11 ratchets. Dull, non-glare finished stainless steel.

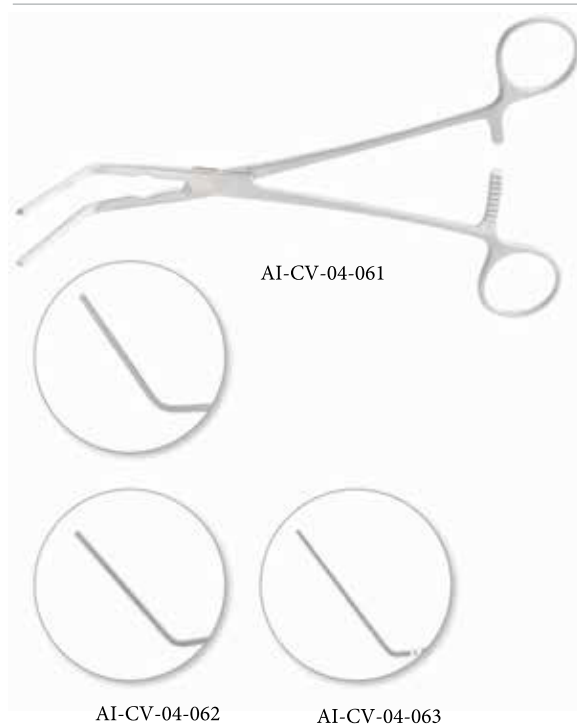
CATALOG #	DESCRIPTION
AI-CV-04-056	Large, 2" (5 cm) jaw, 10-1/4" (26 cm)
AI-CV-04-057	Medium, 1-1/2" (4 cm) jaw, 10" (25.5 cm)
AI-CV-04-058	Small, 1-1/4" (3 cm) jaw, 9-3/4" (25 cm)
AI-CV-04-059	Set of 3 (354000, 354002, 354004)
AI-CV-04-060	Same as Large Satinsky Clamp (354000) except with original criss-cross serrated jaw

VASCULAR CLAMPS

Aortic Vascular Clamps



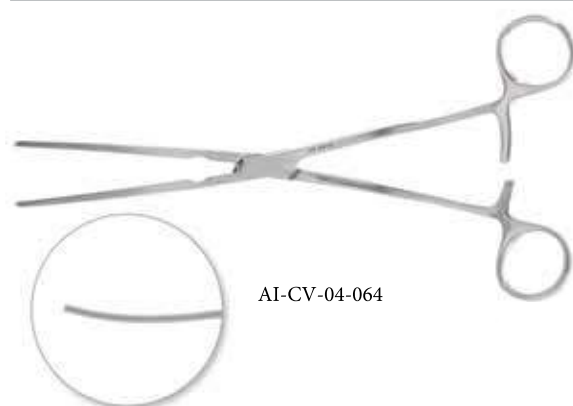
SCHUMAKER ANGULAR AORTA CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-04-061	Standard model, jaws 1-1/8" (5.5 cm) past angle, 8-1/2" (21.5 cm)
AI-CV-04-062	Standard model, jaws 2-3/4" (7 cm) past angle, 8-7/8" (22.5 cm)
AI-CV-04-063	Heavy model, jaws 3-15/16" (10 cm) past angle, jaw width 4 mm, 11-1/4" (28.5 cm)

STONEY DEEP AORTA CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-04-064	6-7/8" (17.5 cm)
AI-CV-04-065	9" (23 cm)



VASCULAR CLAMPS

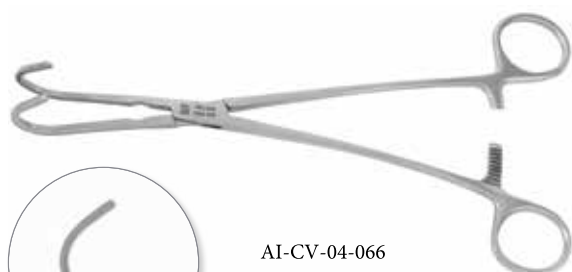
Aortic Vascular Clamps



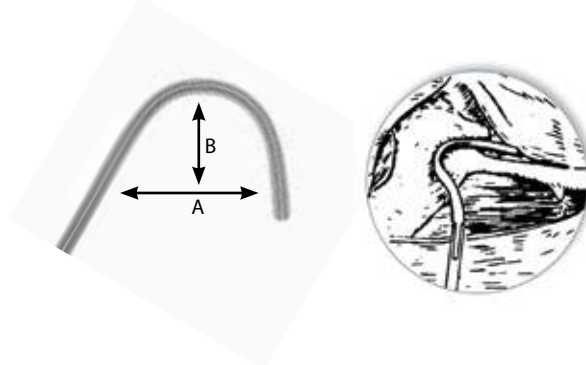
WYLIE "J" AORTIC CLAMPS

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

CATALOG #	DESCRIPTION
AI-CV-04-066	Model No. 1, 9-5/8" (24.5 cm)
AI-CV-04-067	Model No. 2, 9-1/4" (23.5 cm)



AI-CV-04-066



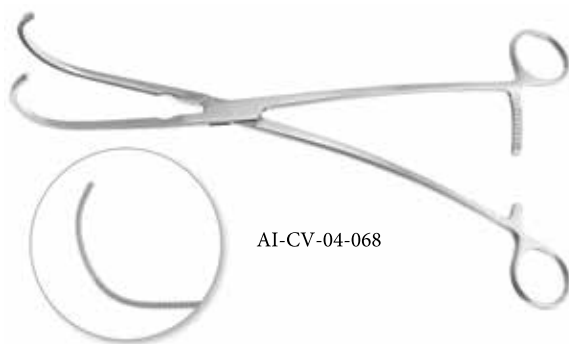
AI-CV-04-067

VASCULAR CLAMPS

Aortic Aneurysm Clamps



COOLEY AORTA CLAMP

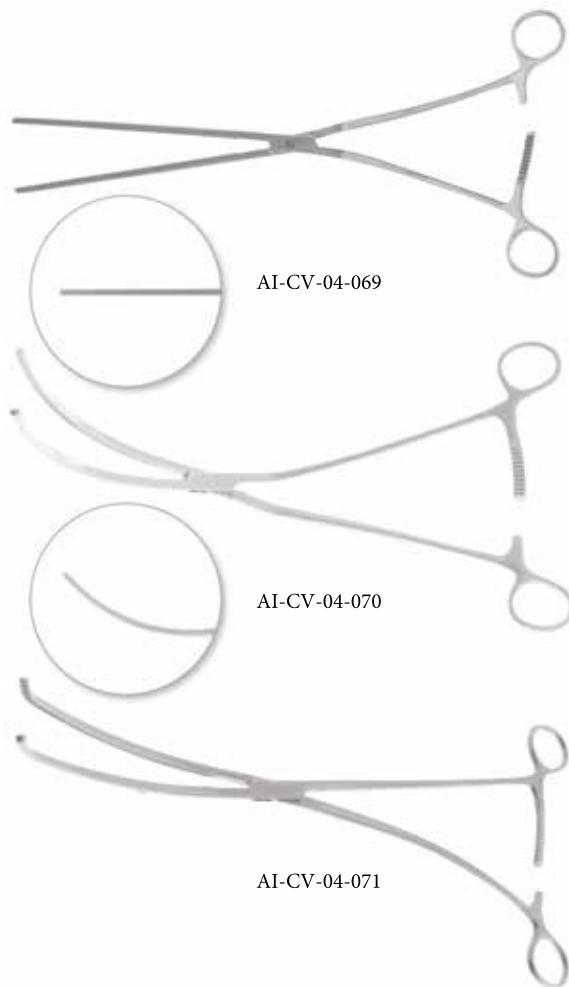


AI-CV-04-068

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

CATALOG #	DESCRIPTION
AI-CV-04-068	Jaw length 2" (5 cm), 11-1/4" (28.5 cm)

CRAWFORD THORACO-ABDOMINAL ANEURYSM CLAMPS



AI-CV-04-069

AI-CV-04-070

AI-CV-04-071

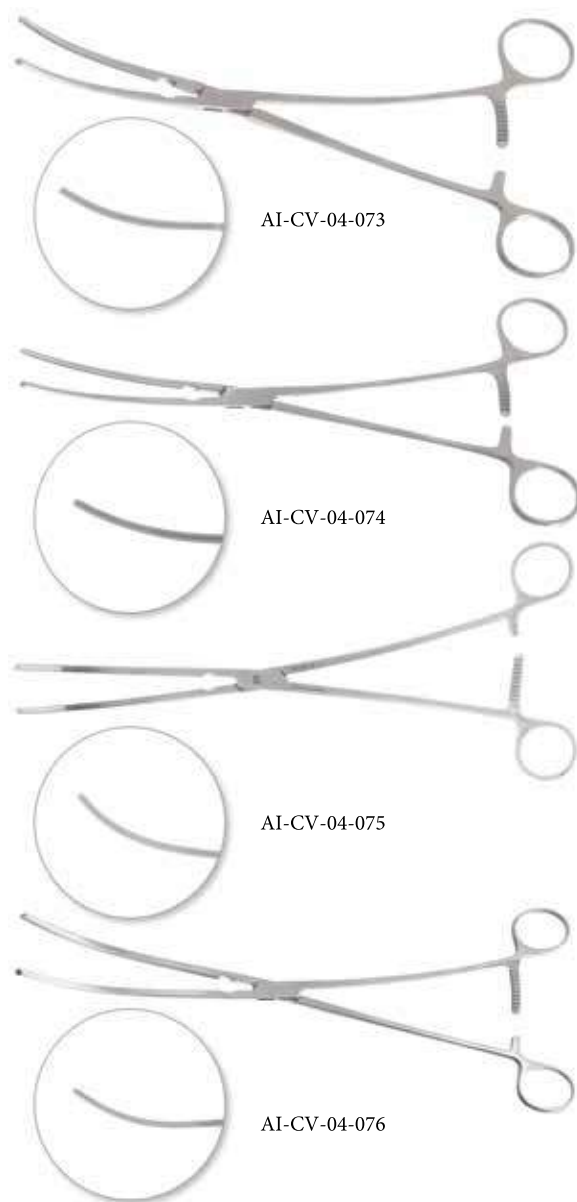
CATALOG #	DESCRIPTION
AI-CV-04-069	Straight jaw, 6-3/8" (16 cm), 13-1/2" (34 cm)
AI-CV-04-070	Curved jaw, angled handle, 12-7/8" (32.5 cm)
AI-CV-04-071	"S" curve, angled tip, 13-5/8" (34.5 cm)

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.

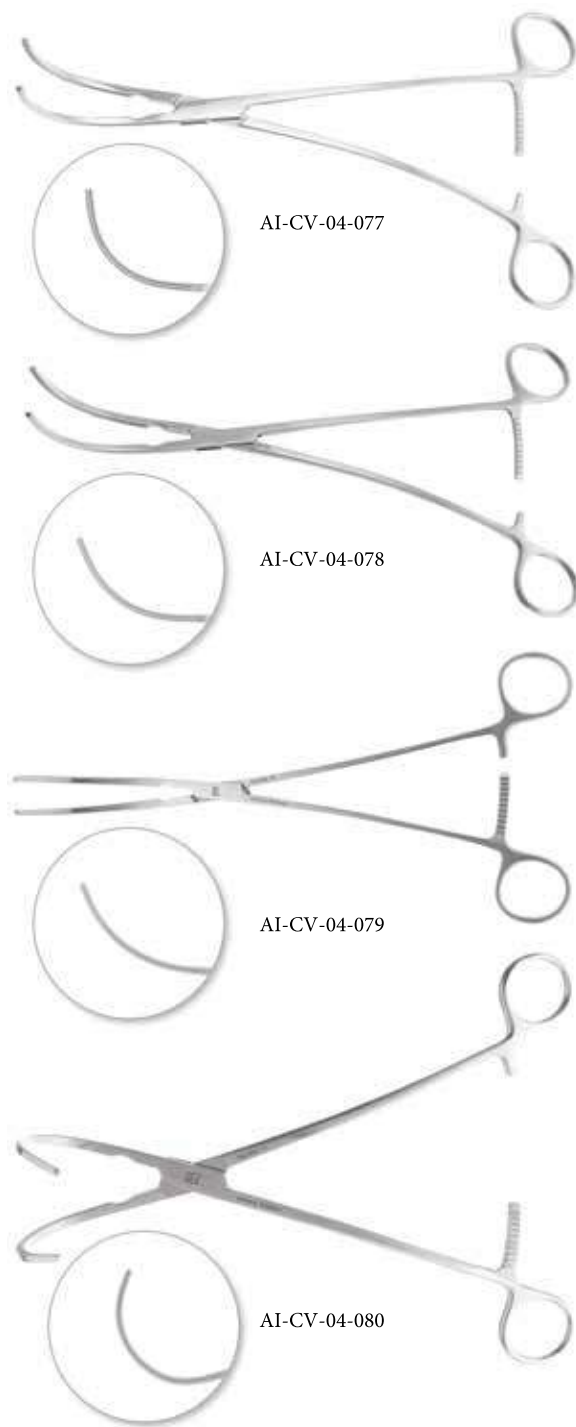
CATALOG #	DESCRIPTION
AI-CV-04-073	3-3/4" (9.5 cm) jaw, 1 x 9 ratchets, 10-3/8" (26.5 cm)
AI-CV-04-074	4" (10 cm) jaw, 1 x 9 ratchets, 10-7/8" (27.5 cm)
AI-CV-04-075	4-7/8" (12.5 cm) jaw, 1 x 11 ratchets, 12-1/2" (32 cm)
AI-CV-04-076	5-3/4" (14.5 cm) jaw, 1 x 11 ratchets, 13-1/4" (33.5 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps



DEBAKEY CURVED CLAMPS



These matched instruments are useful in a wide variety of situations but were originally designed to temporarily occlude the iliac artery just distal to the aorta in resection of aneurysms of the abdominal aorta involving bifurcation. DeBakey-type Jaws.

CATALOG #	DESCRIPTION
AI-CV-04-077	Acutely curved, 1-1/4" (3.5 cm) jaw, spring handle, 1 x 11 ratchets, 9-5/8" (24.5 cm)
AI-CV-04-078	Medium curved, Bahnson type, 1-1/4" (3 cm) jaw, spring handle, 1 x 9 ratchets, 10-1/8" (25.5 cm)
AI-CV-04-079	Slightly curved, Bahnson type, 1-1/4" (3 cm) jaw, spring handle, 1 x 9 ratchets, 10-3/8" (26 cm)
AI-CV-04-080	Extra-large, acutely curved, 2-1/2" (6.5 cm) jaw, 1 x 11 ratchets, 10-3/8" (26 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps



DEBAKEY FULL CURVED AORTIC ANEURYSM CLAMPS



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

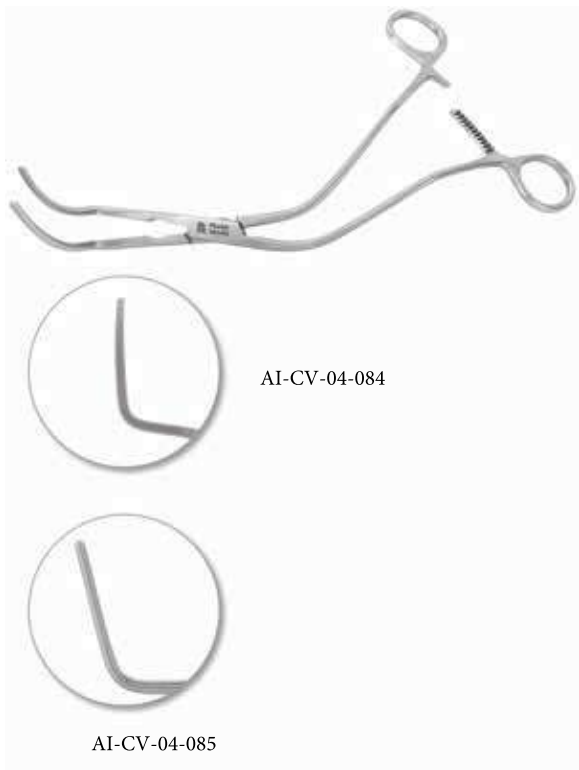
CATALOG #	DESCRIPTION
AI-CV-04-081	2-1/8" (5.5 cm) jaw, 9-1/2" (24 cm)
AI-CV-04-082	11-1/8" (28.5 cm)
AI-CV-04-083	2-1/4" (5.5 cm) jaw, 12-1/2" (31.5 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps

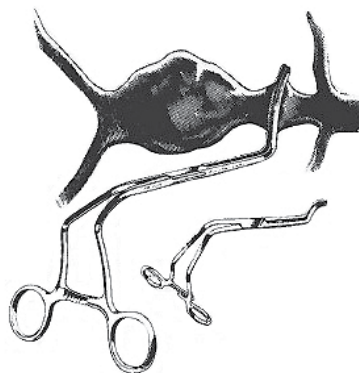


GRANT ABDOMINAL AORTIC ANEURYSM CLAMPS, "TEXAS TWISTER"

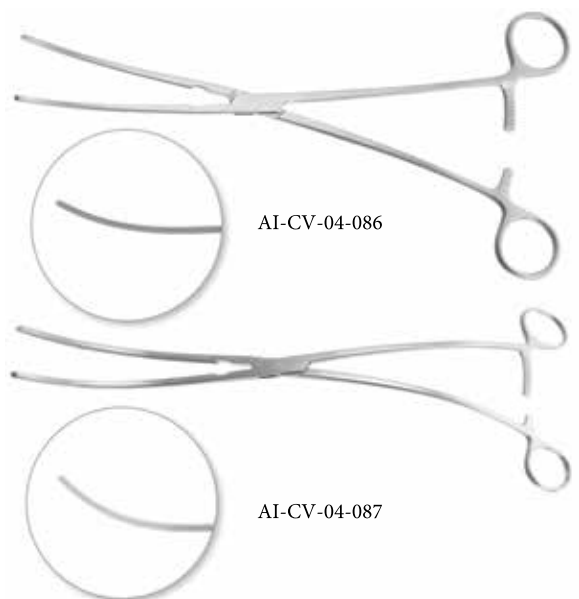


Unique design allows lateral cross clamping of aorta. On thin patients the multi-angled handle can be conveniently placed over left wound margin. In the heavy or obese patient, handles can be tucked under abdominal wall. Wide, secure, 2 x 3 DeBakey-type Jaws, 1 x 11 ratchets for gradual declamping and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

CATALOG #	DESCRIPTION
AI-CV-04-084	Curved, 2-5/8" (6.5 cm) jaw, 7-7/8" (20 cm)
AI-CV-04-085	Short, 2-1/8" (5.5 cm) jaw, 9-1/4" (23.5 cm)



HOWARD-DEBAKEY AORTIC ANEURYSM CLAMPS



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

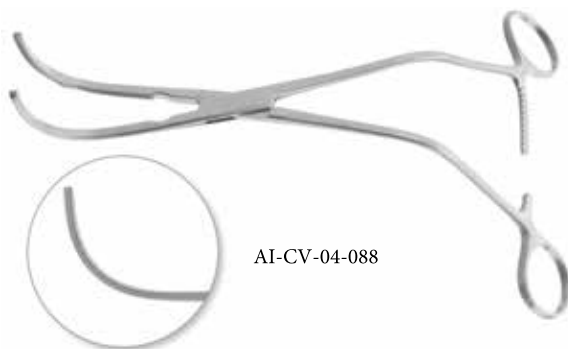
CATALOG #	DESCRIPTION
AI-CV-04-086	1 x 2, 4-1/8" (10.5 cm) jaws, 10-3/4" (27.5 cm)
AI-CV-04-087	2 x 3, 4" (10.5 cm) jaws, 12-1/2" (32 cm)

VASCULAR CLAMPS

Aortic Aneurysm Clamps



WYLIE ABDOMINAL AORTA CLAMP



AI-CV-04-088

CATALOG #	DESCRIPTION
AI-CV-04-088	DeBaKey-type Jaws, 8-1/2" (21.5 cm)

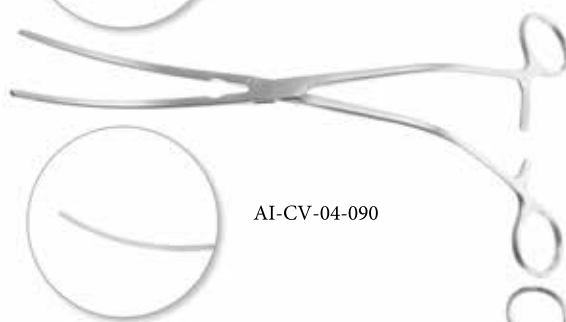
ZANGER ABDOMINAL AORTA CLAMPS



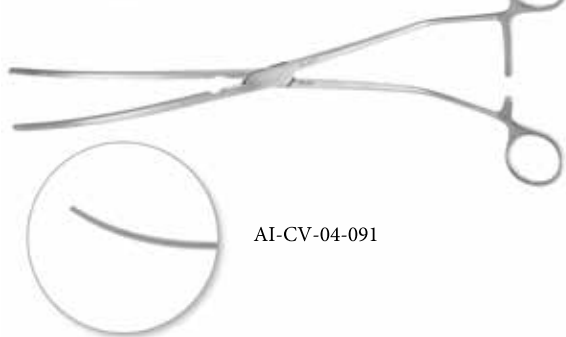
AI-CV-04-089

Acutely curved handle, 1 x 9 ratchets.

CATALOG #	DESCRIPTION
AI-CV-04-089	8-1/8" (20.5 cm)
AI-CV-04-090	9-3/4" (25 cm)
AI-CV-04-091	11-1/4" (28.5 cm)



AI-CV-04-090



AI-CV-04-091

VASCULAR CLAMPS

Aortic Aneurysm Clamps



RATCHET LOCK



AI-CV-04-092

CATALOG #	DESCRIPTION
AI-CV-04-092	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



AI-CV-04-093

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

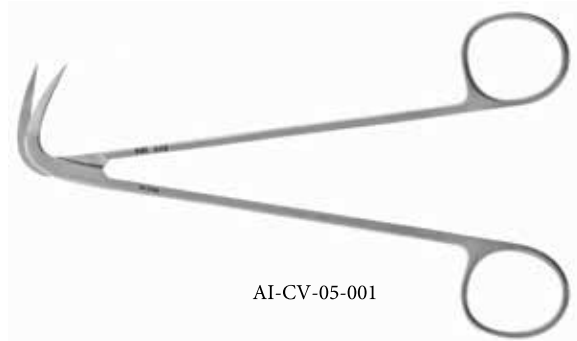
CATALOG #	DESCRIPTION
AI-CV-04-093	Compressor head 3-1/8" (8 cm) wide, overall length 15-1/2" (39.5 cm)

SCISSORS

Potts-Style Scissors



BEALL CIRCUMFLEX ARTERY SCISSORS



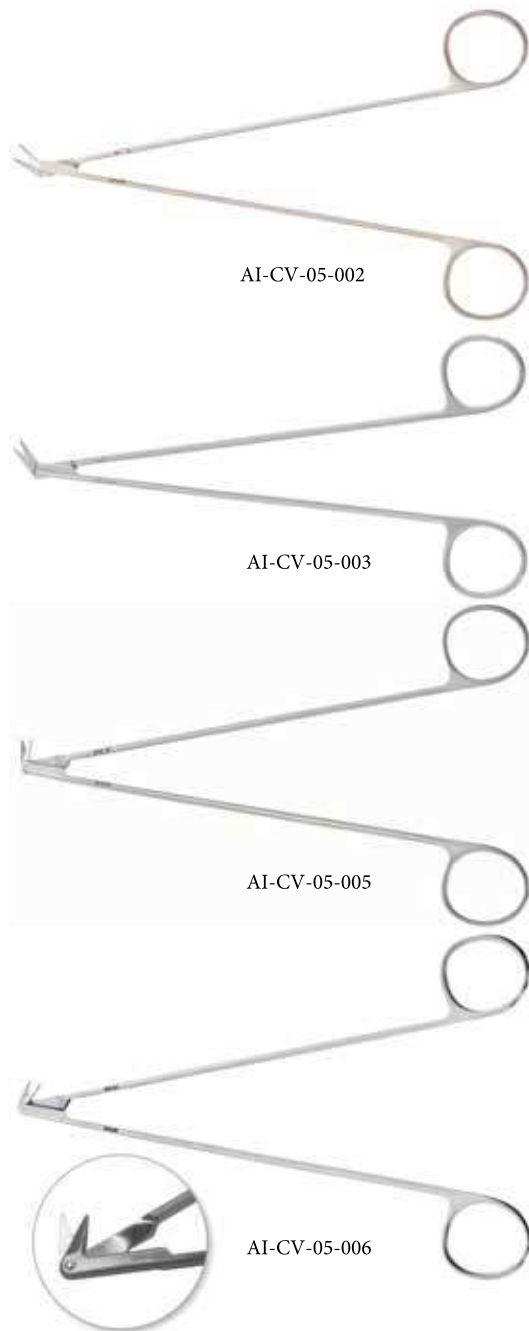
CATALOG #	DESCRIPTION
AI-CV-05-001	Angled 110 degrees, delicate, 15 mm blades, 6" (15 cm)

SCISSORS

Potts-Style Scissors



BEALL MICRO CORONARY SCISSORS



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

CATALOG #	DESCRIPTION
AI-CV-05-002	Angled 25 degrees, 8 mm blades, 7" (18 cm)
AI-CV-05-003	Angled 45 degrees, 10 mm blades, 7" (18 cm)
AI-CV-05-004	Angled 60 degrees, 10 mm blades, 6-7/8" (17.5 cm)
AI-CV-05-005	Angled 90 degrees, 8 mm blades, 6-3/4" (17 cm)
AI-CV-05-006	Angled 120 degrees, 10 mm blades, 6-3/4" (17 cm)

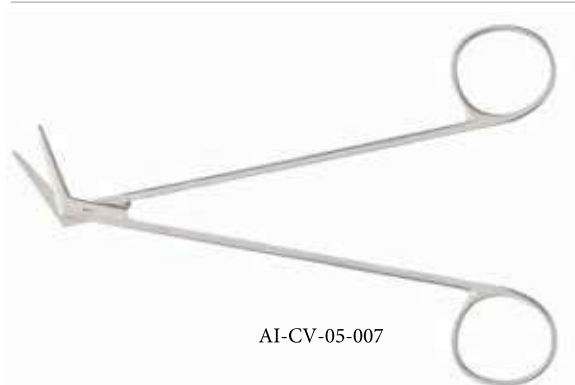


SCISSORS

Potts-Style Scissors



DEBAKEY POTTS SCISSORS



CATALOG #	DESCRIPTION
AI-CV-05-007	Angled 60 degrees, 25 mm blades, 6-1/4" (16 cm)

SCISSORS

Potts-Style Scissors



DEBAKEY VASCULAR SCISSORS

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

CATALOG #	DESCRIPTION
AI-CV-05-008	45 degrees, 25 mm blades, 6-1/2" (16.5 cm), TC
AI-CV-05-009	60 degrees, 25 mm blades, 6-1/4" (16 cm), TC
AI-CV-05-010	60 degrees, 25 mm blades, 8-5/8" (22 cm), TC
AI-CV-05-011	25 degrees, 25 mm blades, 6-5/8" (17 cm)
AI-CV-05-012	45 degrees, 25 mm blades, 8-7/8" (22.5 cm)
AI-CV-05-013	45 degrees, 25 mm blades, 11-1/8" (28 cm)
AI-CV-05-014	60 degrees, 32 mm blades, 10-7/8" (27.5 cm)

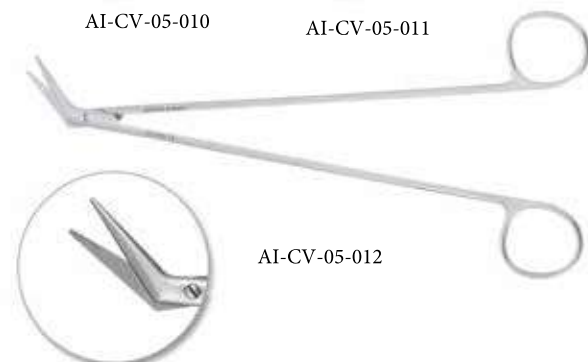


AI-CV-05-008



AI-CV-05-010

AI-CV-05-011



AI-CV-05-012



AI-CV-05-013

AI-CV-05-014

SCISSORS

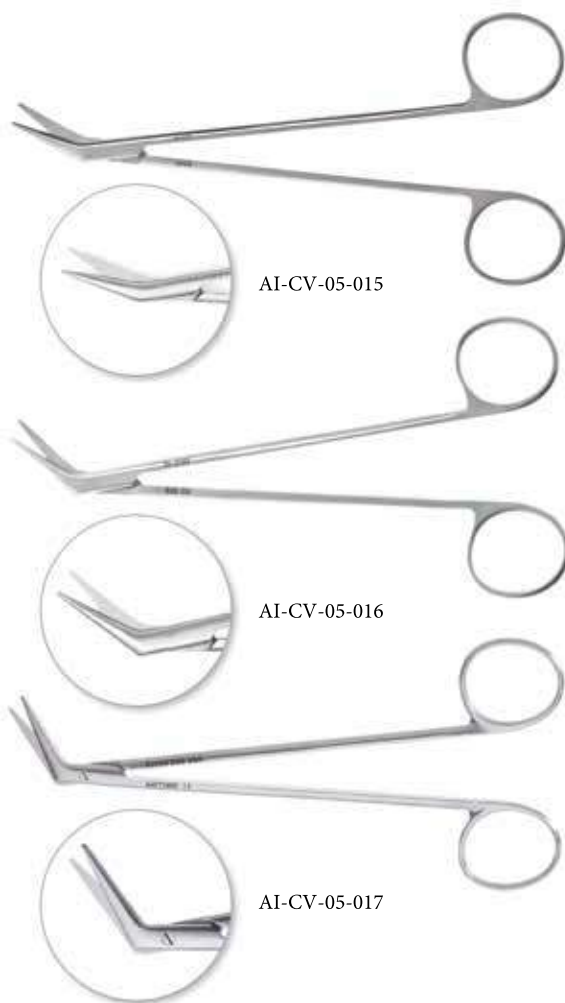
Potts-Style Scissors



DEBAKEY-POTTS SCISSORS

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

CATALOG #	DESCRIPTION
AI-CV-05-015	Angled 20 degrees, 23 mm blades, 6-5/8" (17 cm)
AI-CV-05-016	Angled 45 degrees, 20 mm blades, 6-1/2" (16.5 cm)
AI-CV-05-017	Angled 60 degrees, 23 mm blades, 6-1/4" (16 cm)



SCISSORS

Potts-Style Scissors



CORONARY POTTS SCISSORS

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

CATALOG #	DESCRIPTION
AI-CV-05-018	Angled 25 degrees, 16 mm blades, 7-1/8" (18 cm)
AI-CV-05-019	Angled 45 degrees, 16 mm blades, 7" (18 cm)
AI-CV-05-020	Angled 60 degrees, 16 mm blades, 7" (18 cm)
AI-CV-05-021	Angled 90 degrees, 15 mm blades, 6-3/4" (17 cm)
AI-CV-05-022	Angled 120 degrees, 16 mm blades, 6-3/4" (17 cm)
AI-CV-05-023	Angled 120 degrees, 13 mm blades, 7" (18 cm)

AI-CV-05-018

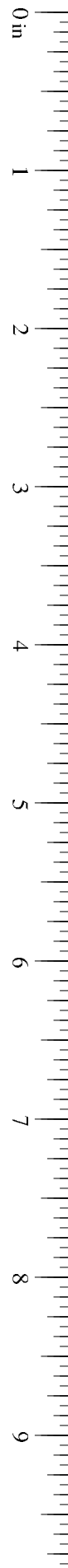
AI-CV-05-019

AI-CV-05-020

AI-CV-05-021

AI-CV-05-022

AI-CV-05-023



SCISSORS

Potts-Style Scissors



DIETHRICH DELICATE ANGLED CORONARY SCISSORS



AI-CV-05-024

CATALOG #	DESCRIPTION
AI-CV-05-024	Angled 45 degrees, 15 mm blades, 6-1/4" (16 cm)

DIETHRICH-POTTS VASCULAR SCISSORS



AI-CV-05-025

Short blades, semi-sharp tips.

CATALOG #	DESCRIPTION
AI-CV-05-025	Angled 25 degrees, 15 mm blades, 5-1/2" (14 cm)
AI-CV-05-026	Angled 45 degrees, 15 mm blades, 5-3/8" (13.5 cm)
AI-CV-05-027	Angled 60 degrees, 5-1/4" (13.5 cm)
AI-CV-05-028	Angled 90 degrees, 15 mm blades, 5" (12.5 cm)



AI-CV-05-026



AI-CV-05-027



AI-CV-05-028

SCISSORS

Potts-Style Scissors



MICRO VASCULAR SCISSORS



AI-CV-05-029



AI-CV-05-030

CATALOG #	DESCRIPTION
AI-CV-05-029	Angled 45 degrees, 7 mm blades, 6-1/2" (16.5 cm)
AI-CV-05-030	Angled 120 degrees, 7 mm blades, 6-1/2" (16.5 cm)

POTTS SCISSORS



AI-CV-05-031

CATALOG #	DESCRIPTION
AI-CV-05-031	Angled 60 degrees, 25 mm blades, 3-3/4" (9.5 cm)

SCISSORS

Potts-Style Scissors



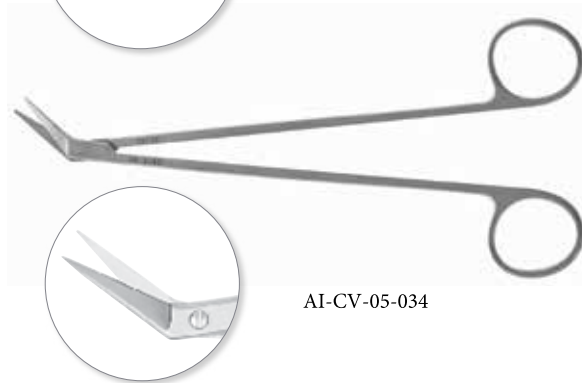
POTTS SMITH SCISSORS



AI-CV-05-032



AI-CV-05-033



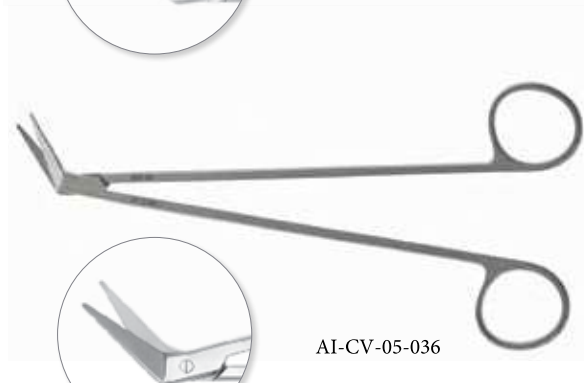
AI-CV-05-034

Angled to side . Satin finish.

CATALOG #	DESCRIPTION
AI-CV-05-032	Angled 25 degrees, 25 mm blades, 7-1/2" (19 cm)
AI-CV-05-033	Angled 25 degrees, 19 mm blades, 7-1/2" (19 cm), TC
AI-CV-05-034	Angled 45 degrees, 23 mm blades, 7-1/4" (18.5 cm)
AI-CV-05-035	Angled 45 degrees, 19 mm blades, 7-1/4" (18.5 cm), TC
AI-CV-05-036	Angled 60 degrees, 23 mm blades, 7" (18 cm)



AI-CV-05-035



AI-CV-05-036

SCISSORS

Potts-Style Scissors



POTTS SMITH VASCULAR SCISSORS

Standard, angled blades . bright finish.

CATALOG #	DESCRIPTION
AI-CV-05-037	Angled 25 degrees, 7" (18 cm)
AI-CV-05-038	Angled 45 degrees, 7" (18 cm)
AI-CV-05-039	Angled 60 degrees, 7" (18 cm)
AI-CV-05-040	Angled 130 degrees, 6-3/4" (17 cm)
AI-CV-05-041	Angled 25 degrees, 18 mm blades, 7-1/2" (19 cm)
AI-CV-05-042	Angled 45 degrees, 18 mm blades, 7-1/4" (18.5 cm)
AI-CV-05-043	Angled 60 degrees, 22 mm blades, 7" (18 cm)

AI-CV-05-037

AI-CV-05-038

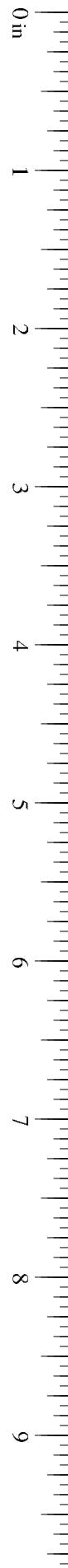
AI-CV-05-039

AI-CV-05-040

AI-CV-05-041

AI-CV-05-042

AI-CV-05-043



SCISSORS

Potts-Style Scissors

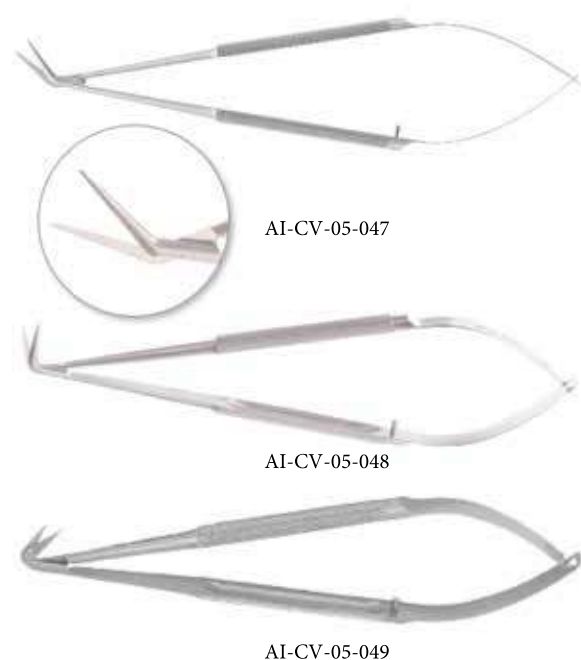


YASARGIL VASCULAR SCISSORS



CATALOG #	DESCRIPTION
AI-CV-05-044	Bayonet, angled 45 degrees, 10 mm blades, 7-1/2" (19 cm)
AI-CV-05-045	Bayonet, reverse angled 125 degrees, 12 mm blades, 7-1/4" (18.5 cm)
AI-CV-05-046	Straight, 12 mm blades, 7" (18 cm)

YOU-POTTS VASCULAR SCISSORS



Narrow, thin blade and round spring handles designed for a more precise and controlled arteriotomy.

CATALOG #	DESCRIPTION
AI-CV-05-047	Angled 45 degrees, 12 mm blades, 7-3/8" (18.5 cm)
AI-CV-05-048	Angled 90 degrees, 14 mm blades, 7" (18 cm)
AI-CV-05-049	Angled 120 degrees, 12 mm blades, 7" (18 cm). Designed for the circumflex artery.

SCISSORS

Vascular and Cardiac Scissors



BAKST CARDIAC SCISSORS



AI-CV-05-050

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

CATALOG #	DESCRIPTION
AI-CV-05-050	Curved, 7" (18 cm)

DEBAKEY ENDARTERECTOMY SCISSORS



AI-CV-05-051

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

CATALOG #	DESCRIPTION
AI-CV-05-051	Slightly curved, 7" (18 cm)
AI-CV-05-052	Acutely curved, 6-7/8" (17.5 cm)
AI-CV-05-053	Slightly curved, 7" (18 cm), TC
AI-CV-05-054	Acutely curved, 7" (18 cm), TC

DEBAKEY SCISSORS



AI-CV-05-057

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

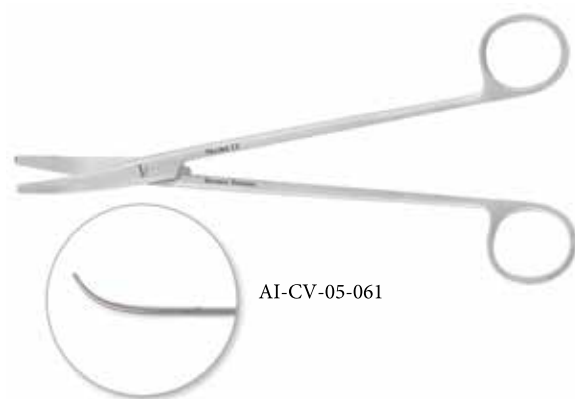
CATALOG #	DESCRIPTION
AI-CV-05-055	Curved, 5-3/4" (14.5 cm), TC
AI-CV-05-056	Curved, 7" (18 cm), TC
AI-CV-05-057	Curved, 9-1/8" (23 cm), TC
AI-CV-05-058	Curved, 10-1/4" (26 cm), TC
AI-CV-05-059	Curved, 11-1/4" (28.5 cm), TC
AI-CV-05-060	Curved, 12" (30.5 cm), TC

SCISSORS

Vascular and Cardiac Scissors



DEBAKEY VALVE SCISSORS



Heavy construction.

CATALOG #	DESCRIPTION
AI-CV-05-061	Acutely curved, 7-3/4" (19.5 cm)

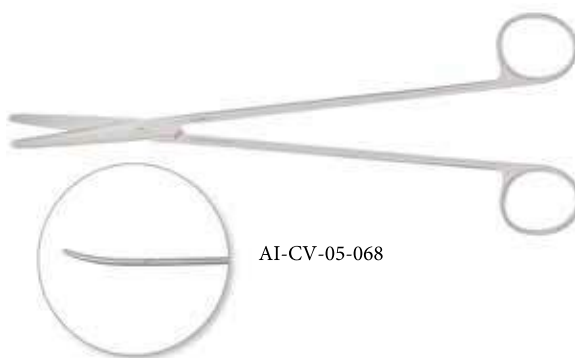
DEBAKEY-METZENBAUM DISSECTING SCISSORS



Curved blades. These scissors are proportionately matched in weight.

CATALOG #	DESCRIPTION
AI-CV-05-062	Curved, 5-7/8" (15 cm)
AI-CV-05-063	Curved, 7" (18 cm)
AI-CV-05-064	Curved, 8-1/8" (20.5 cm)
AI-CV-05-065	Curved, 9-1/8" (23 cm)
AI-CV-05-066	Curved, 10-1/4" (26 cm)
AI-CV-05-067	Curved, 12-1/4" (31 cm)

FERGUSON LONG DISSECTING SCISSORS



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

CATALOG #	DESCRIPTION
AI-CV-05-068	10-1/4" (26 cm)

SCISSORS

Vascular and Cardiac Scissors



HAIMOVICI SCISSORS



AI-CV-05-069

A delicate, acutely curved scissors.

CATALOG #	DESCRIPTION
AI-CV-05-069	5-1/4" (13.5 cm)
AI-CV-05-070	10" (25.5 cm)

JAMISON-METZENBAUM TENOTOMY SCISSORS



AI-CV-05-073

AI-CV-05-074

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

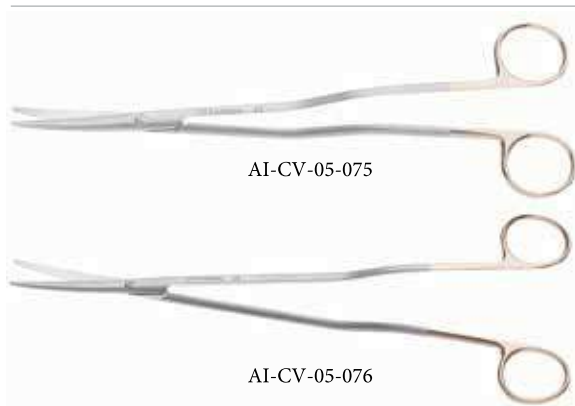
CATALOG #	DESCRIPTION
AI-CV-05-071	6" (15 cm)
AI-CV-05-072	7" (18 cm)
AI-CV-05-073	8" (20.5 cm)
AI-CV-05-074	9" (23 cm)

SCISSORS

Vascular and Cardiac Scissors



OFFSET METZENBAUM SCISSORS



CATALOG #	DESCRIPTION
AI-CV-05-075	9" (23 cm)
AI-CV-05-076	11" (28 cm)

POTTS SMITH DISSECTING SCISSORS



Curved, 48 mm blades.

CATALOG #	DESCRIPTION
AI-CV-05-077	Curved, 7-1/2" (19 cm)
AI-CV-05-078	Curved, 9-1/8" (23 cm)

POTTS TENOTOMY SCISSORS



CATALOG #	DESCRIPTION
AI-CV-05-079	Curved, 29 mm blades, 6" (15 cm)

SCISSORS

Vascular and Cardiac Scissors



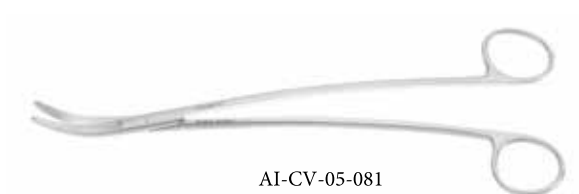
REVUELTA-GARCIA VALVE SCISSORS



AI-CV-05-080

CATALOG #	DESCRIPTION
AI-CV-05-080	Angled shanks, 10-7/8" (27.5 cm)

SATINSKY SCISSORS



AI-CV-05-081

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

CATALOG #	DESCRIPTION
AI-CV-05-081	9-3/4" (25 cm)

STRULLY PROBED TIP SCISSORS



AI-CV-05-082

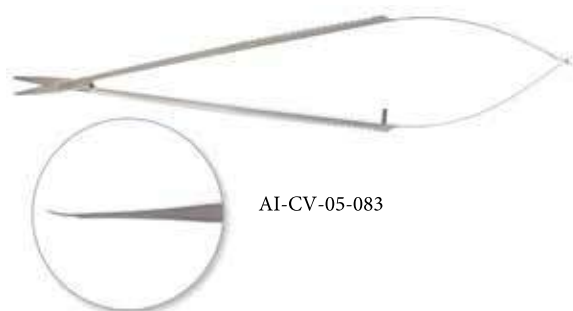
CATALOG #	DESCRIPTION
AI-CV-05-082	Curved, 25 mm blades, 8" (20.5 cm)

SCISSORS

Vascular and Cardiac Scissors



JACOBSON VASCULAR SCISSORS



AI-CV-05-083

CATALOG #	DESCRIPTION
AI-CV-05-083	Curved, 12 mm blades, 7" (18 cm)

MICRO VASCULAR ANASTOMOSIS SCISSORS



AI-CV-05-084

Round handle, 8 mm diameter.

CATALOG #	DESCRIPTION
AI-CV-05-084	Straight, 12 mm blades, 7-3/8" (19 cm)
AI-CV-05-085	Curved, 12 mm blades, 7-1/4" (18.5 cm)



AI-CV-05-085

NEUROFEEL MICRO SCISSORS



AI-CV-05-086

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

CATALOG #	DESCRIPTION
AI-CV-05-086	Curved blade, 7-1/4" (18.5 cm)
AI-CV-05-087	Straight blade, 8-1/4" (21 cm)

SCISSORS

Vascular and Cardiac Scissors



MCCLURE IRIS SCISSORS



AI-CV-05-088

Angled on flat for increased control and visibility.

CATALOG #	DESCRIPTION
AI-CV-05-088	Angled on flat, 12 mm blades, 4-1/2" (11.5 cm)

CASTROVIEJO SCISSORS



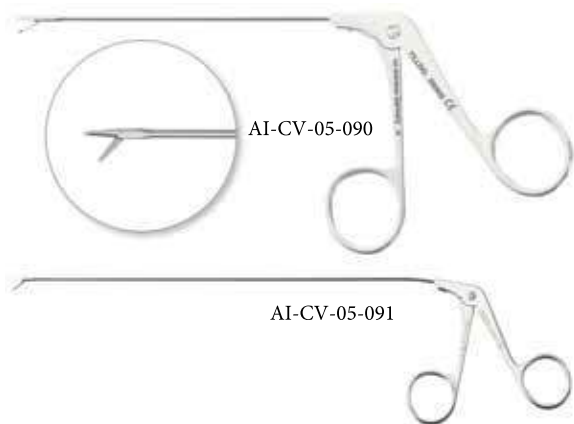
AI-CV-05-089

Spring handle for maximum control.

CATALOG #	DESCRIPTION
AI-CV-05-089	Angled 45 degrees, 9 mm blades, 4-1/8" (10.5 cm)

Venous Valve

VENOUS VALVE SCISSORS



AI-CV-05-090

AI-CV-05-091

CATALOG #	DESCRIPTION
AI-CV-05-090	4" (10 cm) scissors have ball tip to help minimize damage to the intima of the vein
AI-CV-05-091	9-1/4" (23.5 cm)

CVT NEEDLE HOLDERS



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

BAILEY CARDIAC TECHNIQUE NEEDLE HOLDER



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

CATALOG #	DESCRIPTION
AI-CV-06-001	17 x 2 mm jaw, 7" (18 cm), TC

DEBAKEY TECHNIQUE NEEDLE HOLDERS



Carefully designed with light, short Tungsten Carbide jaws. Constructed in weight the proportional to total length. May be purchased individually or as matched set of four.

CATALOG #	DESCRIPTION
AI-CV-06-002	No. 1. Length, 18.2 x 2 mm jaw, 7" (18 cm), TC
AI-CV-06-003	No. 2. Length, 21.5 x 1.8 mm jaw, 9-1/4" (23.5 cm), TC
AI-CV-06-004	No. 3. Length, 21.5 x 2.3 mm jaw, 10-1/2" (26.5 cm), TC
AI-CV-06-005	No. 4. Length, 19 x 2.6 mm jaw, 11-3/4" (30 cm), TC
AI-CV-06-006	Matched set of four

CVT NEEDLE HOLDERS



GERBODE TECHNIQUE NEEDLE HOLDER



AI-CV-06-007

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

CATALOG #	DESCRIPTION
AI-CV-06-007	16.5 x 2 mm jaw, 10-1/2" (26.5 cm), TC

HOWELL CORONARY TECHNIQUE NEEDLE HOLDER



AI-CV-06-008

CATALOG #	DESCRIPTION
AI-CV-06-008	14 x 1.6 mm jaw, 7-1/4" (18.5 cm), TC

HOWELL VALVE TECHNIQUE NEEDLE HOLDER

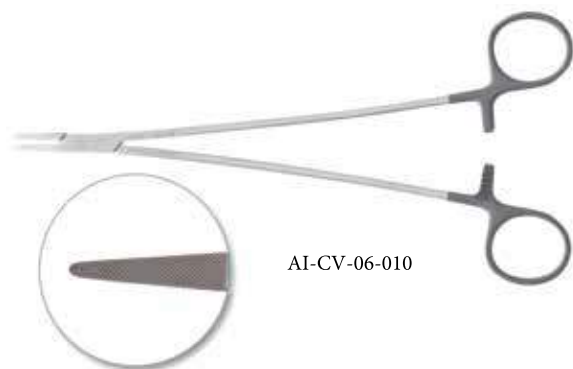
CATALOG #	DESCRIPTION
AI-CV-06-009	19 x 2 mm jaw, 8" (20.5 cm), TC

AI-CV-06-009

CVT NEEDLE HOLDERS



JAMISON TECHNIQUE NEEDLE HOLDER



AI-CV-06-010

Long, slender needle holder. Jaws are lightly serrated.

CATALOG #	DESCRIPTION
AI-CV-06-010	19.8 x 1.8 mm jaw, 9" (23 cm), TC

SH Medexperts EXTRA LIGHT TECHNIQUE NEEDLE HOLDERS



AI-CV-06-012

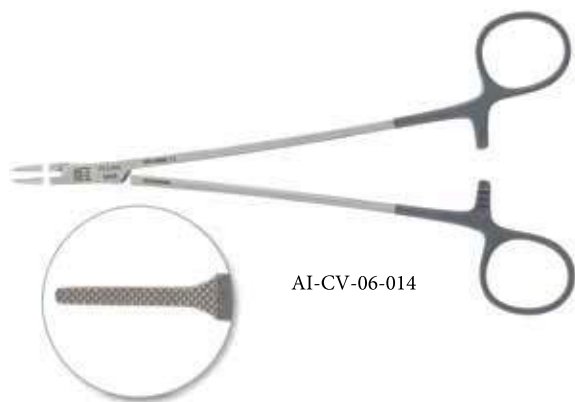
Thinner shanks and box-locks than Thin Needle Holders (opposite page) for reduced weight and more "feel."

CATALOG #	DESCRIPTION
AI-CV-06-011	17 x 1.8 mm jaw, 6" (15 cm), TC
AI-CV-06-012	17.5 x 1.6 mm jaw, 7" (18 cm), TC

CVT NEEDLE HOLDERS



INTRACARDIAC TECHNIQUE NEEDLE HOLDERS



AI-CV-06-014

CATALOG #	DESCRIPTION
AI-CV-06-013	17 x 1.8 mm jaw, 7" (18 cm), TC
AI-CV-06-014	11.5 x 1.6 mm jaw, 8" (20.5 cm), TC
AI-CV-06-015	20.5 x 2 mm jaw, 9-1/4" (23.5 cm), TC
AI-CV-06-016	20.5 x 2 mm jaw, 10-1/4" (26 cm), TC

THIN VASCULAR AND CORONARY TECHNIQUE NEEDLE HOLDERS



AI-CV-06-021

Delicately proportioned, slender needle holders.

CATALOG #	DESCRIPTION
AI-CV-06-017	20.5 x 1.8 mm jaw, 9" (23 cm), TC
AI-CV-06-018	20.5 x 2.2 mm jaw, 10-1/4" (26 cm), TC
AI-CV-06-019	16 x 1.8 mm jaw, 6" (15 cm), TC
AI-CV-06-020	16 x 1.7 mm jaw, 7" (18 cm), TC
AI-CV-06-021	20 x 1.8 mm jaw, 8-1/4" (21 cm), TC

CVT NEEDLE HOLDERS



RYDER EXTRA FINE TECHNIQUE NEEDLE HOLDERS



AI-CV-06-024

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

CATALOG #	DESCRIPTION
AI-CV-06-022	11.5 x 1.3 mm jaw, 5-1/4" (13.5 cm), TC
AI-CV-06-023	12.5 x 1.2 mm jaw, 6" (15 cm), TC
AI-CV-06-024	14.3 x 1.2 mm jaw, 7" (18 cm), TC
AI-CV-06-025	14.5 x 1.2 mm jaw, 8" (20.5 cm), TC
AI-CV-06-026	15 x 1.3 mm jaw, 9" (23 cm), TC

W.M. LEMMON TECHNIQUE NEEDLE HOLDERS



AI-CV-06-028

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

CATALOG #	DESCRIPTION
AI-CV-06-027	Delicate, 15.5 x 2.3 mm jaw, 5-3/4" (14.5 cm), TC
AI-CV-06-028	14.5 x 1.5 mm jaw, 6-3/4" (17 cm), TC
AI-CV-06-029	15.5 x 2.3 mm jaw, 7-1/2" (19 cm), TC



CVT NEEDLE HOLDERS

Technique Design

GREGORY TECHNIQUE SUTURE "STAY" CLAMPS



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

CATALOG #	DESCRIPTION
AI-CV-06-030	Straight, 3-7/8" (10 cm), TC
AI-CV-06-031	Curved, 3-7/8" (10 cm), TC

GIANNINI TECHNIQUE NEEDLE HOLDER



Flat handles.

CATALOG #	DESCRIPTION
AI-CV-06-032	Straight, 17.5 x 1.8 mm jaw, 10-1/4" (26 cm), TC

CVT NEEDLE HOLDERS



MICRO SURGERY TECHNIQUE NEEDLE HOLDERS



AI-CV-06-034

Flat handle, smooth jaws.

CATALOG #	DESCRIPTION
AI-CV-06-033	Straight, 13 x 1.4 mm jaw, 7" (18 cm), TC
AI-CV-06-034	Straight, 13 x 1.4 mm jaw, 8" (20.5 cm), TC

CASTROVIEJO TECHNIQUE NEEDLE HOLDERS



AI-CV-06-035

CATALOG #	DESCRIPTION
AI-CV-06-035	Straight, 13 x 1.4 mm jaw, 7-1/4" (18.5 cm), TC
AI-CV-06-036	Straight, 13 x 1.4 mm jaw, 8" (20.5 cm), TC

SPENCER CORONARY TECHNIQUE NEEDLE HOLDER



AI-CV-06-037

CATALOG #	DESCRIPTION
AI-CV-06-037	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



AI-CV-06-038

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

CATALOG #	DESCRIPTION
AI-CV-06-038	9" (23 cm)
AI-CV-06-039	10" (25.5 cm)
AI-CV-06-040	12" (30.5 cm)

CASTROVIEJO MICRO NEEDLE HOLDERS



AI-CV-06-042

Round handle with Diamo-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-06-041	Straight, with lock, 1.2 mm, 7" (18 cm)
AI-CV-06-042	Straight, with lock, 1.2 mm, 8" (20.5 cm)
AI-CV-06-043	Curved, without lock, 1 mm, 8" (20.5 cm)

CASTROVIEJO NEEDLE HOLDERS

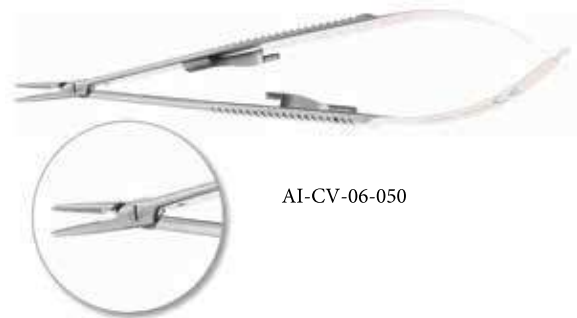


AI-CV-06-047

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

CATALOG #	DESCRIPTION
AI-CV-06-044	Straight, 11.5 x 0.8 mm Diamo-grip jaw, 6" (15 cm)
AI-CV-06-045	Curved, 11.5 x 1 mm Diamo-grip jaw, 6" (15 cm)
AI-CV-06-046	Straight, 0.8 mm wide Diamo-grip jaw, 7-1/4" (18.5 cm)
AI-CV-06-047	Straight, 1.8 mm jaw, 7-1/4" (18.5 cm)
AI-CV-06-048	Straight, 8" (20.5 cm)
AI-CV-06-049	Straight, 0.7 mm wide Diamo-grip jaw, 8-1/4" (21 cm)

CASTROVIEJO NEEDLE HOLDERS



AI-CV-06-050

CATALOG #	DESCRIPTION
AI-CV-06-050	Straight, 11 x 1.4 mm jaw, 6" (15 cm), TC
AI-CV-06-051	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



AI-CV-06-052

CATALOG #	DESCRIPTION
AI-CV-06-052	Straight with flat handle, lock, 18 x 1.3 mm Diamo-Grip jaw, 8-1/2" (21.5 cm)

JACOBSON MICRO NEEDLE HOLDERS



AI-CV-06-053



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

CATALOG #	DESCRIPTION
AI-CV-06-053	11 x 0.8 mm jaw, 9" (23 cm)
AI-CV-06-054	1.8 mm jaw, 9" (23 cm)
AI-CV-06-055	16 x 0.9 mm jaw, 8-1/4" (21 cm)



AI-CV-06-054



AI-CV-06-055



CVT NEEDLE HOLDERS

Castro-Type Micro Needle Holders



JACOBSON MICRO-SURGICAL NEEDLE HOLDERS



AI-CV-06-057

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

CATALOG #	DESCRIPTION
AI-CV-06-056	13 x 1.3 mm jaw, 7" (18 cm)
AI-CV-06-057	13.5 x 1.2 mm jaw, 8-1/2" (21.5 cm)

MICRO SURGERY NEEDLE HOLDERS

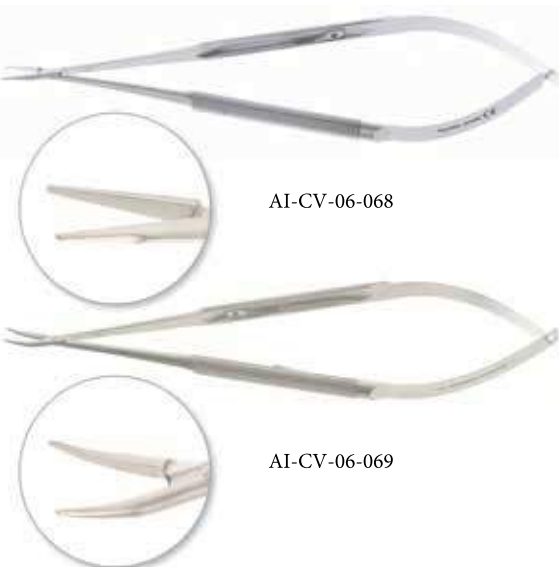


AI-CV-06-058

Flat handle, smooth jaws.

CATALOG #	DESCRIPTION
AI-CV-06-058	Straight, 12.5 x 1.4 mm jaw, 6" (15 cm), TC
AI-CV-06-059	Curved, 13 x 1.4 mm jaw, 6" (15 cm), TC

MICRO VASCULAR ROUND HANDLE NEEDLE HOLDERS



AI-CV-06-068

AI-CV-06-069

Stainless steel jaws, round handles. Smooth jaws.

CATALOG #	DESCRIPTION
AI-CV-06-060	Straight, 7-3/8" (18.5 cm), TC
AI-CV-06-061	Straight, 0.6 mm smooth jaw, 8-1/8" (20.5 cm)
AI-CV-06-062	Straight, 0.6 mm smooth jaw, 9" (23 cm)
AI-CV-06-063	Curved, 0.6 mm smooth jaw, 9" (23 cm)
AI-CV-06-064	Straight, 8" (20.5 cm), TC
AI-CV-06-065	Straight, 1 mm jaw, 8" (20.5 cm), TC
AI-CV-06-066	Straight, without lock, 1.15 mm jaw, 7-3/8" (18.5 cm)
AI-CV-06-067	Curved, without lock, 7-3/8" (18.5 cm)
AI-CV-06-068	Straight, with lock, 1.2 mm jaw, 7-1/2" (19 cm)
AI-CV-06-069	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



AI-CV-06-071

CATALOG #	DESCRIPTION
AI-CV-06-070	Straight, 0.4 mm smooth jaw, 5-3/4" (14.5 cm)
AI-CV-06-071	Curved, 0.6 mm smooth jaw, 5-3/4" (14.5 cm)

Wire Twisters

BERRY STERNAL "BIG UGLY" TECHNIQUE NEEDLE HOLDER



AI-CV-06-072

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

CATALOG #	DESCRIPTION
AI-CV-06-072	28 x 6 mm jaw, 7-3/4" (19.5 cm), TC

BAUMGARTEN WIRE TWISTER



AI-CV-06-073

Heavy, square jaw.

CATALOG #	DESCRIPTION
AI-CV-06-073	18 x 5 mm heavy, square jaws, 8-1/8" (20.5 cm), TC

CVT NEEDLE HOLDERS

Wire Twisters



RUBIO TECHNIQUE WIRE TWISTER



AI-CV-06-074

CATALOG #	DESCRIPTION
AI-CV-06-074	12 x 4.5 mm jaw, 5" (12.5 cm), TC

WIRE TWISTING FORCEPS



AI-CV-06-075

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

CATALOG #	DESCRIPTION
AI-CV-06-075	5-3/8" (13.5 cm)

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Tissue and Dressing Forceps



ADSON TITANIUM DRESSING FORCEPS



Flat handle.



AI-CV-07-001

CATALOG #	DESCRIPTION
AI-CV-07-001	Serrated tip, 4-3/4" (12 cm)

ADSON TITANIUM TISSUE FORCEPS



Flat handle.



AI-CV-07-002

CATALOG #	DESCRIPTION
AI-CV-07-002	Serrated tip, 4-3/4" (12 cm), TC

ADSON-BROWN TITANIUM TISSUE FORCEPS



Flat handle.

AI-CV-07-003

CATALOG #	DESCRIPTION
AI-CV-07-003	9 x 9 teeth, 4-3/4" (12 cm)

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Tissue and Dressing Forceps



BARRAYA TITANIUM TISSUE FORCEPS



AI-CV-07-004

Flat handle.

CATALOG #	DESCRIPTION
AI-CV-07-004	2 x 3 teeth, 7-3/4" (20 cm)

CUSHING TITANIUM DRESSING FORCEPS



AI-CV-07-005

Flat handle.

CATALOG #	DESCRIPTION
AI-CV-07-005	Serrated, 7-1/8" (18 cm), TC

CUSHING TITANIUM TISSUE FORCEPS



AI-CV-07-006

Flat handle.

CATALOG #	DESCRIPTION
AI-CV-07-006	Serrated, 7-7/8" (20 cm)

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Tissue and Dressing Forceps



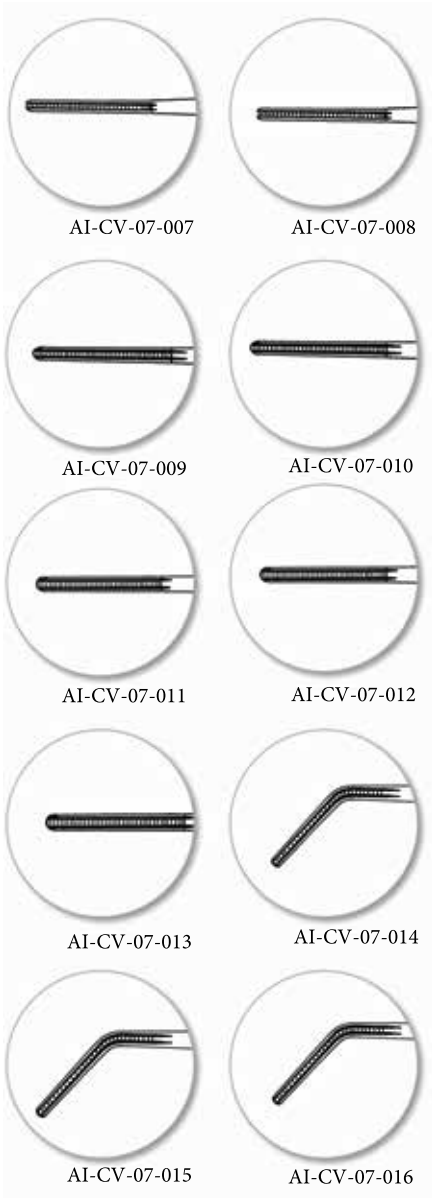
DEBAKEY TITANIUM TISSUE FORCEPS



AI-CV-07-013

Flat handle.

CATALOG #	DESCRIPTION
AI-CV-07-007	Straight, 1.5 mm jaw width, 6" (15 cm)
AI-CV-07-008	Straight, 1.5 mm jaw width, 7-5/8" (19.5 cm)
AI-CV-07-009	Straight, 2.5 mm jaw width, 6" (15 cm)
AI-CV-07-010	Straight, 2.5 mm jaw width, 7-5/8" (19.5 cm)
AI-CV-07-011	Straight, 3 mm jaw width, 6" (15 cm)
AI-CV-07-012	Straight, 3 mm jaw width, 7-5/8" (19.5 cm)
AI-CV-07-013	Straight, 3 mm jaw width, 9-1/2" (24 cm)
AI-CV-07-014	Angled, 2.5 mm jaw width, 5-7/8" (15 cm)
AI-CV-07-015	Angled, 2.5 mm jaw width, 7-1/2" (19 cm)
AI-CV-07-016	Angled, 2.5 mm jaw width, 9-1/4" (23.5 cm)



TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Tissue and Dressing Forceps

GERALD TITANIUM DRESSING FORCEPS



Flat handle. Serrated tip.



AI-CV-07-017

CATALOG #	DESCRIPTION
AI-CV-07-017	6 7/8" (18 cm)

GERALD TITANIUM TISSUE FORCEPS



Flat handle. Serrated tip.



AI-CV-07-018

CATALOG #	DESCRIPTION
AI-CV-07-018	1 x 2 teeth, 6-7/8" (18 cm)

GILLIES TITANIUM TISSUE FORCEPS



Flat handle.



AI-CV-07-019

CATALOG #	DESCRIPTION
AI-CV-07-019	1 x 2 teeth, 5-7/8" (15 cm)

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Tissue and Dressing Forceps



GUILMET TITANIUM DRESSING FORCEPS



AI-CV-07-020

Flat handle.

CATALOG #	DESCRIPTION
AI-CV-07-020	Serrated tip, 7-7/8" (20 cm)

MCINDOE TITANIUM TISSUE FORCEPS



AI-CV-07-021

Flat handle.

CATALOG #	DESCRIPTION
AI-CV-07-021	Serrated tip, 5-7/8" (15 cm)

Micro Forceps

DENIS TITANIUM MICRO FORCEPS



AI-CV-07-022

CATALOG #	DESCRIPTION
AI-CV-07-022	Straight, 0.4 mm tip, Diama-Grip jaws, 8-1/4" (21 cm)

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

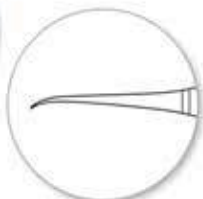


Micro Forceps

MICRO TITANIUM DIAMA-GRIP TYING FORCEPS



AI-CV-07-025



AI-CV-07-026

Round handle. Diama-Grip on tip.

CATALOG #	DESCRIPTION
AI-CV-07-023	Straight, 4-3/4" (12 cm)
AI-CV-07-024	Curved, 3-3/4" (9.5 cm)
AI-CV-07-025	Straight, 7-1/8" (18 cm)
AI-CV-07-026	Curved, 5-7/8" (15 cm), 6 mm Diama-Grip jaws

MICRO TITANIUM DIAMA-GRIP TYING FORCEPS



AI-CV-07-027



AI-CV-07-029



Straight with round handle. Diama-Grip ring tip.

CATALOG #	DESCRIPTION
AI-CV-07-027	I.D. 0.4 mm, O.D. 1 mm, 7-1/8" (18 cm)
AI-CV-07-028	I.D. 1 mm, O.D. 2 mm, 8-3/4" (22 cm)
AI-CV-07-029	I.D. 0.4 mm, O.D. 1 mm, 8-3/4" (22 cm)

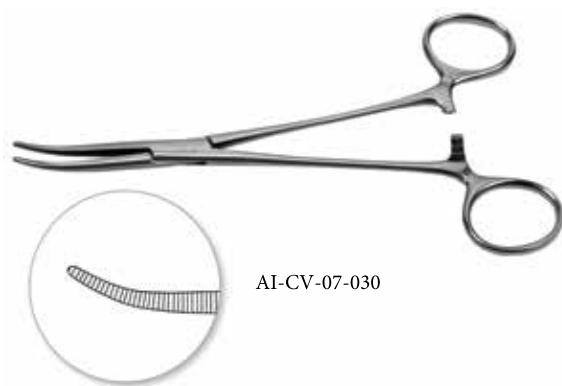
TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Hemostatic Forceps



CRILE TITANIUM HEMOSTATIC FORCEPS



AI-CV-07-030

CATALOG #	DESCRIPTION
AI-CV-07-030	Curved, serrated jaw, 5-5/8" (15 cm)

HALSTED TITANIUM HEMOSTATIC FORCEPS



AI-CV-07-031

CATALOG #	DESCRIPTION
AI-CV-07-031	Curved, serrated jaws, 4-3/4" (12.5 cm)
AI-CV-07-032	Delicate curved, serrated jaws, 4-3/4" (12.5 cm)



AI-CV-07-031



AI-CV-07-032

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

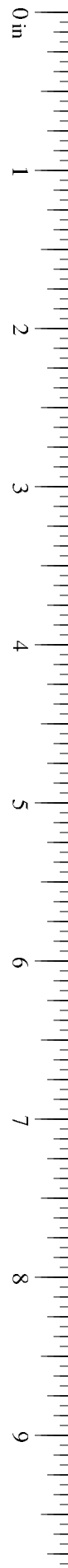


Pediatric Vascular Clamps

CASTANEDA TITANIUM VASCULAR CLAMPING FORCEPS

Clamping Forceps (10 g).

CATALOG #	DESCRIPTION
AI-CV-07-033	Straight jaw, 5-1/8" (13 cm)
AI-CV-07-034	Curved jaw, 4-3/4" (12 cm)
AI-CV-07-035	Curved jaw, 6-1/2" (17 cm)



TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Pediatric Vascular Clamps



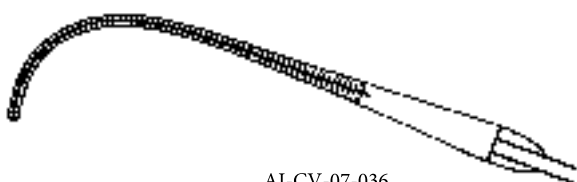
CASTANEDA TITANIUM VASCULAR CLAMPING FORCEPS



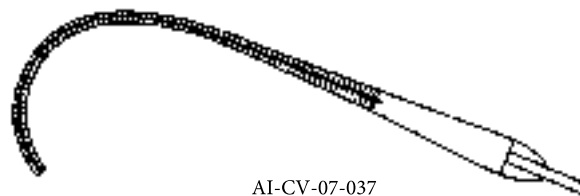
AI-CV-07-040

Clamping Forceps (15 g).

CATALOG #	DESCRIPTION
AI-CV-07-036	Curved jaw, 6-1/2" (17 cm)
AI-CV-07-037	Curved jaw, 6-3/8" (17 cm)
AI-CV-07-038	Straight jaw, 6-5/8" (17 cm)
AI-CV-07-039	30 degree angled jaw, 6-1/4" (16 cm)
AI-CV-07-040	50 degree angled jaw, 6" (15 cm)
AI-CV-07-041	70 degree angled jaw, 5-7/8" (15 cm)
AI-CV-07-042	90 degree angled jaw, 5-3/8" (13.5 cm)



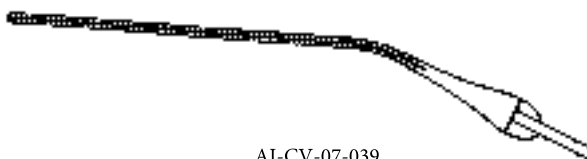
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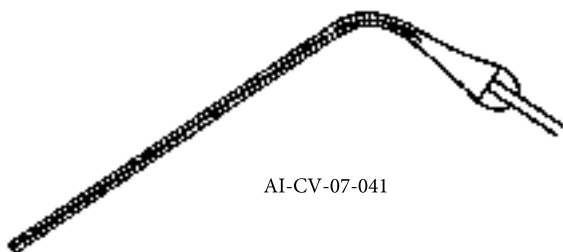
AI-CV-07-037



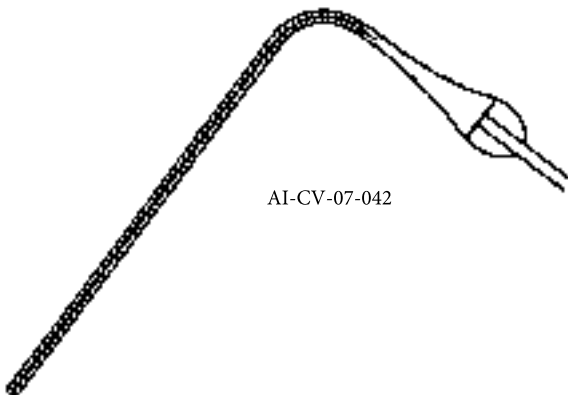
AI-CV-07-038



AI-CV-07-039



AI-CV-07-041



AI-CV-07-042

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS



Pediatric Vascular Clamps

COOLEY TITANIUM PEDIATRIC CLAMP



AI-CV-07-043

CATALOG #	DESCRIPTION
AI-CV-07-043	Spoon-shaped for coarctation, 7-1/4" (18.5 cm)

DEBAKEY TITANIUM PEDIATRIC CLAMPS



AI-CV-07-045

AI-CV-07-046

CATALOG #	DESCRIPTION
AI-CV-07-044	Straight jaws, 4-3/8" (11 cm)
AI-CV-07-045	60 degree angled jaws, 4" (10.5 cm)
AI-CV-07-046	Anastomosis clamp with 9.5 mm angled operational jaw length, 3-7/8" (10 cm)
AI-CV-07-047	Anastomosis clamp with 6 mm curved operational jaw length, 3-7/8" (9.5 cm)
AI-CV-07-048	Anastomosis clamp with 16 mm operational jaw length, 4-1/8" (10.5 cm)



AI-CV-07-047

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Pediatric Vascular Clamps



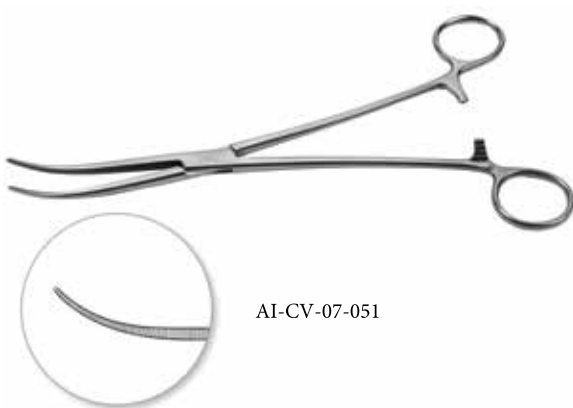
DERRA TITANIUM ANASTOMOSIS CLAMPS



CATALOG #	DESCRIPTION
AI-CV-07-049	Curved jaws, 6-11/16" (17 cm)
AI-CV-07-050	Curved jaws, 6-13/16" (17.5 cm)

Vascular Clamps

CRAFOORD TITANIUM CLAMPING FORCEPS



CATALOG #	DESCRIPTION
AI-CV-07-051	Curved, serrated jaws, 9-1/2" (24 cm)

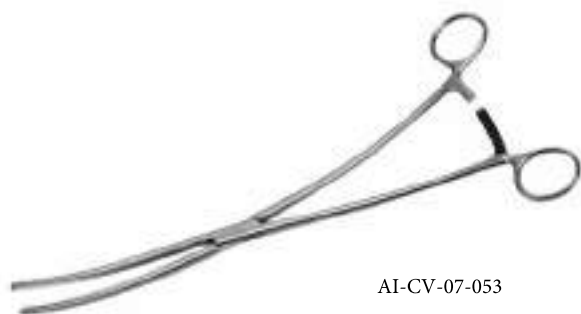
TITANIUM INSTRUMENTS

FORCEPS & CLAMPS



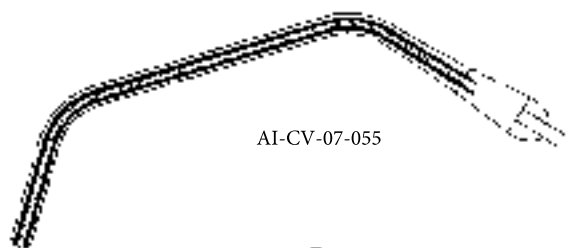
Vascular Clamps

DEBAKEY TITANIUM VASCULAR CLAMPS



AI-CV-07-053

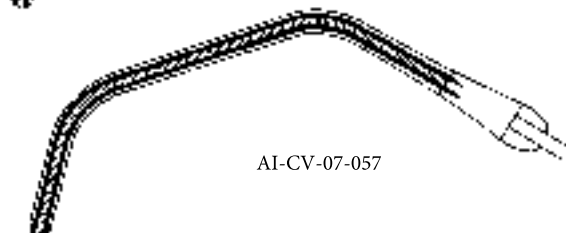
CATALOG #	DESCRIPTION
AI-CV-07-052	Aorta clamp, curved jaw, 11-1/8" (28.5 cm)
AI-CV-07-053	Aorta clamp, curved jaw, 11-3/4" (30 cm)
AI-CV-07-054	Aorta clamp, curved jaw, 12-5/8" (32 cm)
AI-CV-07-055	Occlusion clamp with 50 mm operational jaw length, 10-3/4" (27 cm)
AI-CV-07-056	Occlusion clamp with 40 mm operational jaw length, 10" (25 cm)
AI-CV-07-057	Occlusion clamp with 30 mm operational jaw length, 10" (25 cm)
AI-CV-07-058	Occlusion clamp with 25 mm operational jaw length, 9-1/2" (24 cm)



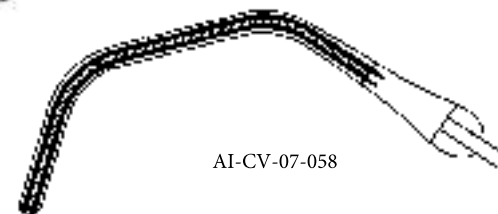
AI-CV-07-055



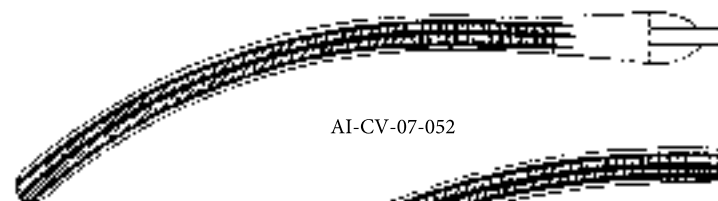
AI-CV-07-056



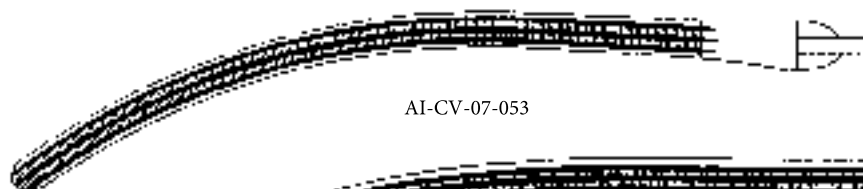
AI-CV-07-057



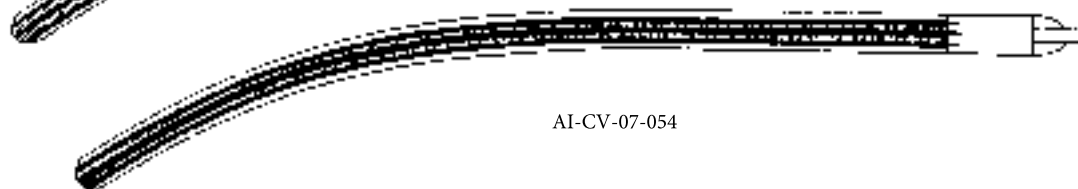
AI-CV-07-058



AI-CV-07-052



AI-CV-07-053



AI-CV-07-054

TITANIUM INSTRUMENTS FORCEPS & CLAMPS

Vascular Clamps

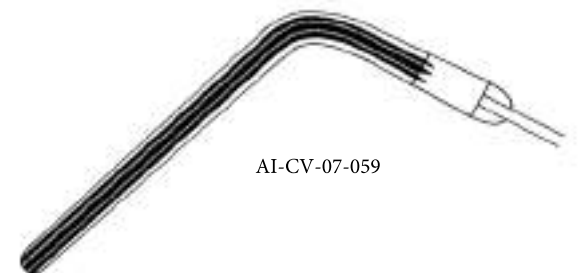


DEBAKEY TITANIUM VASCULAR CLAMPS

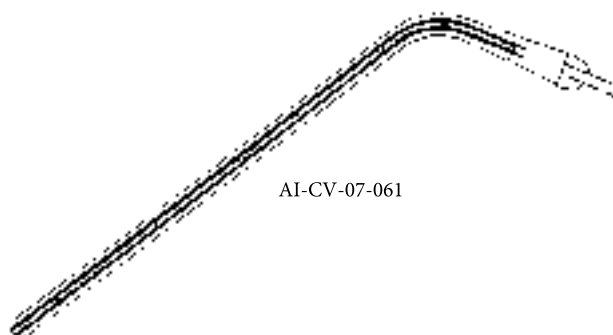


AI-CV-07-059

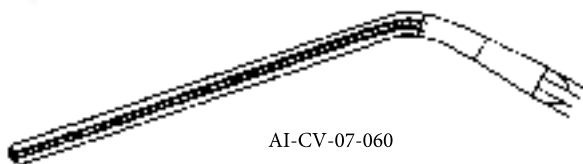
CATALOG #	DESCRIPTION
AI-CV-07-059	70 degree angled jaw, 10-1/4" (26 cm)
AI-CV-07-060	45 degree angled jaw, 10-1/2" (26.5 cm)
AI-CV-07-061	60 degree angled jaw, 11-3/4" (30 cm)
AI-CV-07-062	60 degree angled jaw, 9-3/8" (23.5 cm)
AI-CV-07-063	60 degree angled jaw, 8-1/2" (21.5 cm)



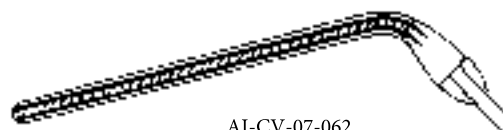
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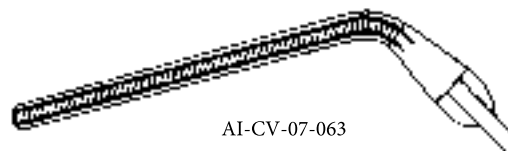
AI-CV-07-061



AI-CV-07-060



AI-CV-07-062



AI-CV-07-063

DEBAKEY TITANIUM VASCULAR CLAMPS



AI-CV-07-064

CATALOG #	DESCRIPTION
AI-CV-07-064	Curved jaw, 7-7/8" (20 cm)

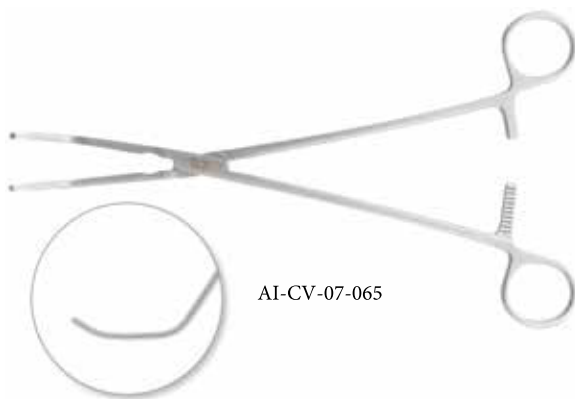
TITANIUM INSTRUMENTS

FORCEPS & CLAMPS



Vascular Clamps

GLOVER TITANIUM AURICULAR CLAMP



CATALOG #	DESCRIPTION
AI-CV-07-065	Auricular handles with 30 mm operational jaw length, 10" (25 cm)

GLOVER TITANIUM COARCTATION VASCULAR CLAMPS



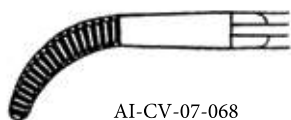
AI-CV-07-066



AI-CV-07-067

CATALOG #	DESCRIPTION
AI-CV-07-066	Straight handles, DeBakey Jaws, 8-5/8" (22 cm)
AI-CV-07-067	Angled handles, DeBakey Jaws, 8-5/8" (22 cm)

HEISS TITANIUM CLAMPING FORCEPS



AI-CV-07-068

CATALOG #	DESCRIPTION
AI-CV-07-068	Angled handles, DeBakey Jaws, 8-5/8" (22 cm)

TITANIUM INSTRUMENTS FORCEPS & CLAMPS

Vascular Clamps

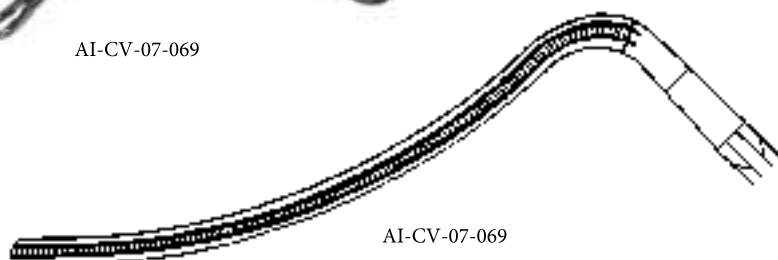


HUFNAGEL TITANIUM VASCULAR CLAMP

CATALOG #	DESCRIPTION
AI-CV-07-069	Curved DeBakey Jaw, 8-5/8" (22 cm)



AI-CV-07-069



AI-CV-07-069

KAY TITANIUM VASCULAR CLAMP

CATALOG #	DESCRIPTION
AI-CV-07-070	Curved DeBakey Jaws, 7-7/8" (20 cm)



AI-CV-07-070

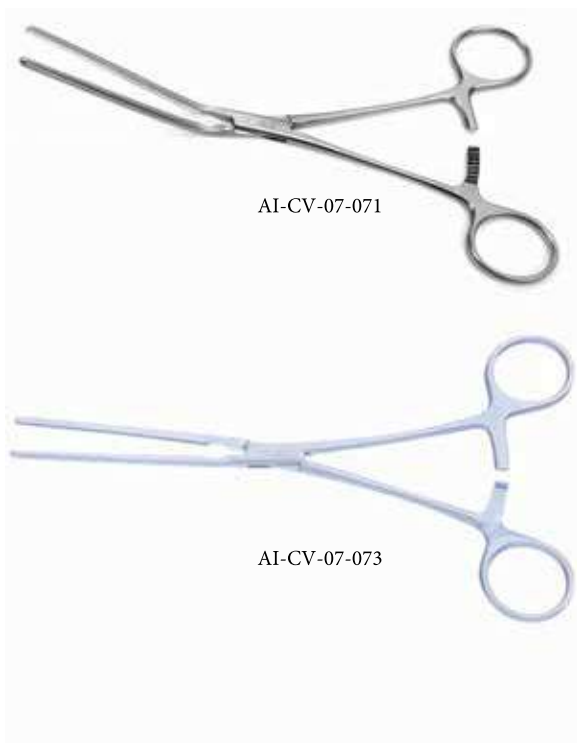
TITANIUM INSTRUMENTS

FORCEPS & CLAMPS



Vascular Clamps

LELAND-JONES TITANIUM VASCULAR CLAMPS



CATALOG #	DESCRIPTION
AI-CV-07-071	30 degree angled DeBakey Jaws, 7-1/2" (19 cm)
AI-CV-07-072	15 degree angled DeBakey Jaws, 7-7/8" (20 cm)
AI-CV-07-073	Straight, DeBakey Jaw, 8-1/4" (21 cm)

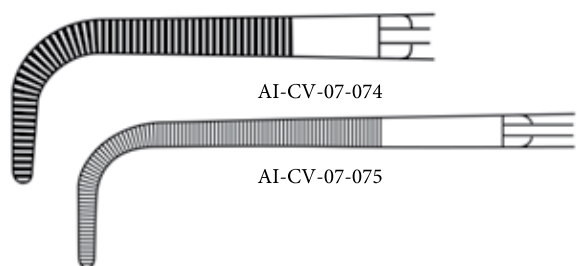


AI-CV-07-071



AI-CV-07-073

O'SHAUGHNESSY TITANIUM CLAMPING FORCEPS



CATALOG #	DESCRIPTION
AI-CV-07-074	Strong curve, serrated jaw, 8-1/4" (21 cm)
AI-CV-07-075	Strong curve, serrated jaw, 9-5/8" (24.5 cm)

AI-CV-07-074

AI-CV-07-075

TITANIUM INSTRUMENTS FORCEPS & CLAMPS



Vascular Clamps

RENAL ARTERY TITANIUM VASCULAR CLAMP



AI-CV-07-076

CATALOG #	DESCRIPTION
AI-CV-07-076	Curved jaws, 7-1/2" (19 cm)

SATINSKY TITANIUM VASCULAR CLAMPS



AI-CV-07-077



AI-CV-07-077



AI-CV-07-078

CATALOG #	DESCRIPTION
AI-CV-07-077	Vena cava clamp with 30 mm operational DeBakey Jaw length, 9-5/8" (24.5 cm)
AI-CV-07-078	Vena cava clamp with 20 mm operational DeBakey Jaw length, 9-1/2" (24 cm)

TITANIUM INSTRUMENTS

FORCEPS & CLAMPS

Bulldog Clamps



DEBAKEY TITANIUM BULLDOG CLAMPS



AI-CV-07-081

CATALOG #	DESCRIPTION
AI-CV-07-079	Straight, 3" (7.5 cm)
AI-CV-07-080	Straight, 3-3/8" (8.5 cm)
AI-CV-07-081	Straight, 3-7/8" (10 cm)
AI-CV-07-082	Curved, 3-1/4" (8.5 cm)
AI-CV-07-083	Curved, 3-7/8" (10 cm)
AI-CV-07-084	Angled 45 degrees, 4-3/4" (12 cm)



AI-CV-07-082



AI-CV-07-084

TITANIUM INSTRUMENTS

SCISSORS

Micro Scissors



MICRO TITANIUM SCISSORS



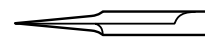
AI-CV-08-002

With flat handle.

CATALOG #	DESCRIPTION
AI-CV-08-001	Curved, 6-1/4" (16 cm)
AI-CV-08-002	Straight, delicate, 6-1/4" (16 cm)
AI-CV-08-003	Curved, serrated, 8-1/4" (21 cm)
AI-CV-08-004	Straight, 9" (23 cm)



AI-CV-08-001



AI-CV-08-002



AI-CV-08-003



AI-CV-08-004



TITANIUM INSTRUMENTS

SCISSORS

Micro Scissors

MICRO TITANIUM SCISSORS

With round handle.



-CV-08-008

CATALOG #	DESCRIPTION
AI-CV-08-005	Straight, 6-1/4" (16 cm)
AI-CV-08-006	Curved, 6-1/4" (16 cm)
AI-CV-08-007	Straight, serrated, 6-1/4" (16 cm)
AI-CV-08-008	Curved, serrated, 6-1/4" (16 cm)
AI-CV-08-009	Straight, delicate, 6-1/4" (16 cm)
AI-CV-08-010	Curved, delicate, 6-1/4" (16 cm)
AI-CV-08-011	Straight, 7-1/8" (18 cm)
AI-CV-08-012	Curved, 7-1/8" (18 cm)
AI-CV-08-013	Straight, serrated, 7-1/8" (18 cm)
AI-CV-08-014	Curved, serrated, 7-1/8" (18 cm)
AI-CV-08-015	Straight, delicate, 7-1/8" (18 cm)
AI-CV-08-016	Curved, delicate, 7-1/8" (18 cm)
AI-CV-08-017	Straight, 8-1/4" (21 cm)
AI-CV-08-018	Curved, 8-1/4" (21 cm)
AI-CV-08-019	Straight, serrated, 8-1/4" (21 cm)
AI-CV-08-020	Curved, serrated, 8-1/4" (21 cm)
AI-CV-08-021	Straight, delicate, 8-1/4" (21 cm)
AI-CV-08-022	Curved, delicate, 8-1/4" (21 cm)
AI-CV-08-023	Straight, delicate, 8-1/4" (21 cm)
AI-CV-08-024	Curved, delicate, 8-1/4" (21 cm)
AI-CV-08-025	Straight, serrated, 9" (23 cm)
AI-CV-08-026	Curved, serrated, 9" (23 cm)
AI-CV-08-027	Straight, delicate, 9" (23 cm)
AI-CV-08-028	Curved, delicate, 9" (23 cm)

TITANIUM INSTRUMENTS

SCISSORS

Potts-Style Scissors



POTTS MICRO TITANIUM SCISSORS



With flat handle, 16 mm blades.

CATALOG #	DESCRIPTION
AI-CV-08-029	Angled 25 degrees, 7-1/4" (18.5 cm)
AI-CV-08-030	Angled 45 degrees, 7-1/4" (18.5 cm)
AI-CV-08-031	Angled 60 degrees, 7-1/4" (18.5 cm)
AI-CV-08-032	Angled 90 degrees, 6-3/4" (17.0 cm)
AI-CV-08-033	Angled 130 degrees, 6-3/4" (17.0 cm)



AI-CV-08-029



AI-CV-08-030



AI-CV-08-031



AI-CV-08-032



AI-CV-08-033

TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Round Handle Micro Needle Holders



JACOBSON MICRO TITANIUM NEEDLE HOLDERS



AI-CV-09-002

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

CATALOG #	DESCRIPTION
AI-CV-09-001	Heavyweight, 2 mm jaw, 9" (23 cm)
AI-CV-09-002	12 x 1 mm jaw, 9" (23 cm)
AI-CV-09-003	16 mm jaw, 8-1/4" (21 cm)

JACOBSON TITANIUM CASTROVIEJO NEEDLE HOLDERS

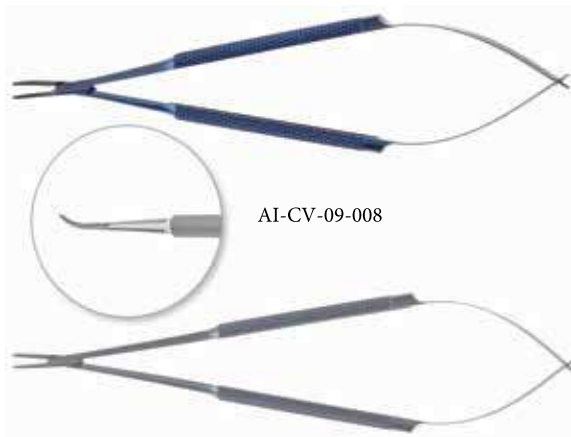


AI-CV-09-005

Round handle with lock. Diama-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-09-004	Straight, 1.8 mm jaw, 8-1/4" (21 cm)
AI-CV-09-005	Curved, 1.1 mm jaw, 9" (23 cm)

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS



AI-CV-09-008

AI-CV-09-009

Round handle, Diama-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-09-006	Straight, with lock, 1 mm jaw, 7-1/8" (18 cm)
AI-CV-09-007	Straight, 1 mm jaw, 6-1/4" (16 cm)
AI-CV-09-008	Curved, 1 mm jaw, 6-1/4" (16 cm)
AI-CV-09-009	Straight, 1 mm jaw, 7-1/8" (18 cm)
AI-CV-09-010	Straight, 1.1 mm jaw, 9" (23 cm)
AI-CV-09-011	Curved, 1.1 mm jaw, 9" (23 cm)

TITANIUM INSTRUMENTS

NEEDLE HOLDERS



Round Handle Micro Needle Holders

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS

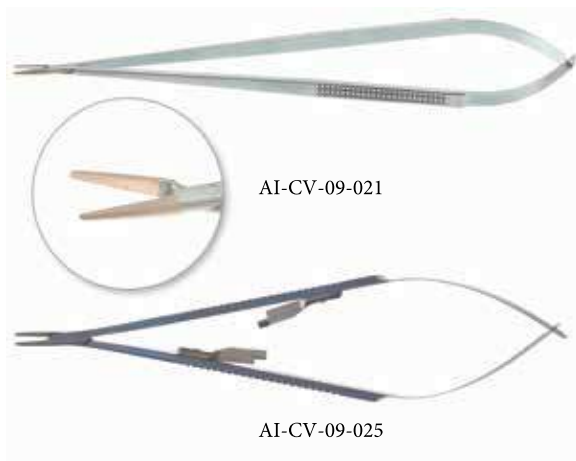


Straight, round handle, serrated jaws.

CATALOG #	DESCRIPTION
AI-CV-09-012	1 mm jaw, 6-1/4" (16 cm), TC
AI-CV-09-013	With lock, 1 mm jaw, 6" (16 cm), TC
AI-CV-09-014	7-1/8" (18 cm), TC
AI-CV-09-015	With lock, 8.8 x 1.3 mm jaw, 7-1/8" (18 cm), TC
AI-CV-09-016	1.5 mm jaw, 8-1/4" (21 cm), TC
AI-CV-09-017	With lock, 1.4 mm jaw, 8-1/4" (21 cm), TC
AI-CV-09-018	With lock, 1.5 mm jaw, 9" (23 cm), TC

Flat Handle Micro Needle Holders

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS



Diama-Grip jaws with flat handle.

CATALOG #	DESCRIPTION
AI-CV-09-019	Straight, 9 x 1 mm jaw, 6-1/4" (16 cm)
AI-CV-09-020	Straight, 9 x 1 mm jaw, 7-1/8" (18 cm)
AI-CV-09-021	Straight, 9 x 1 mm jaw, 9" (23 cm)
AI-CV-09-022	Curved, 8 x 1 mm jaw, 6-1/4" (16 cm)
AI-CV-09-023	Straight with lock, 9 x 1 mm jaw, 8-1/4" (21 cm)
AI-CV-09-024	Straight with lock, 9 x 1 mm jaw, 9" (23 cm)
AI-CV-09-025	Straight with lock, 9 x 1 mm jaw, 6-1/4" (16 cm)
AI-CV-09-026	Curved with lock, 8 x 1 mm jaw, 7-1/8" (18 cm)

MICRO TITANIUM CASTROVIEJO NEEDLE HOLDERS TC



Straight, serrated with flat handle and lock.

CATALOG #	DESCRIPTION
AI-CV-09-027	Straight with lock, 9 x 1 mm jaw, 7-1/8" (18 cm), TC
AI-CV-09-028	Straight with lock, 8 x 1.4 mm jaw, 9" (23 cm), TC

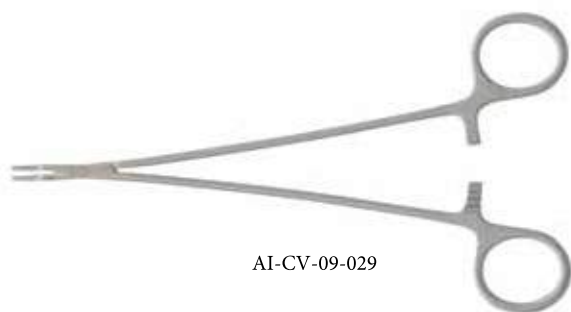
TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Ring Handle Needle Holders



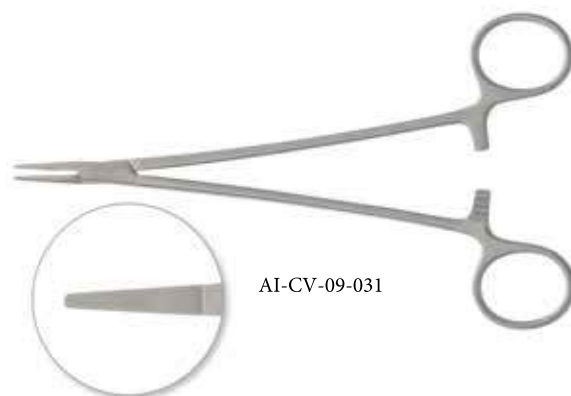
DEBAKEY TITANIUM NEEDLE HOLDER



AI-CV-09-029

CATALOG #	DESCRIPTION
AI-CV-09-029	1.5 mm Diamo-Grip jaw, 8" (20 cm)

DEBAKEY TITANIUM RING HANDLE NEEDLE HOLDERS

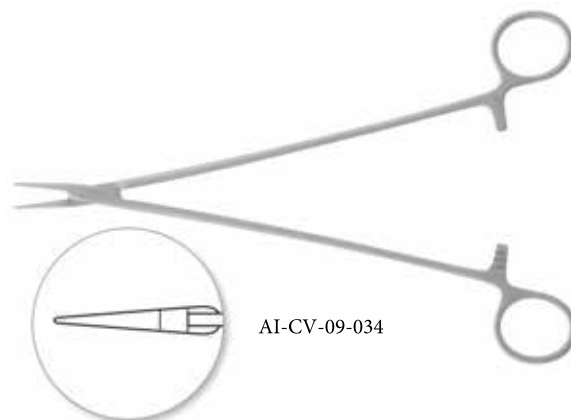


AI-CV-09-031

4000 teeth per square inch.

CATALOG #	DESCRIPTION
AI-CV-09-030	1.5 mm jaw, 6-1/4" (16 cm), TC
AI-CV-09-031	16 x 1.4 mm jaw, 8" (20.5 cm), TC

DEBAKEY TITANIUM RING HANDLE NEEDLE HOLDERS



AI-CV-09-034

Diamo-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-09-032	1.6 mm jaw, 7" (18.5 cm)
AI-CV-09-033	1.5 mm jaw, 8-5/8" (22 cm)
AI-CV-09-034	1.6 mm jaw, 10" (25.5 cm)

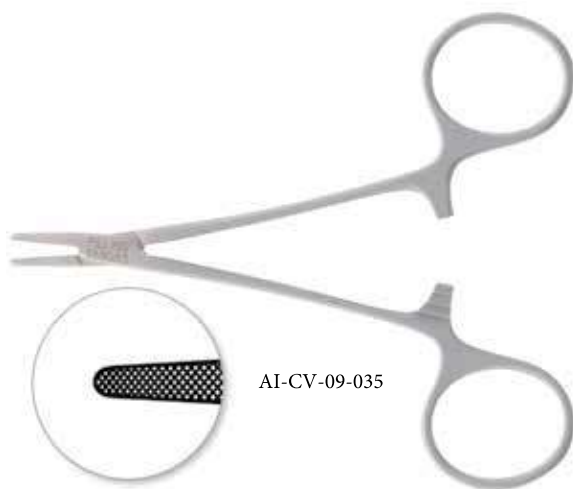
TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Ring Handle Needle Holders



DERF TITANIUM RING HANDLE NEEDLE HOLDER



4000 teeth per square inch.

CATALOG #	DESCRIPTION
AI-CV-09-035	1.6 mm jaw, 4-1/2" (11.5 cm), TC

HALSEY TITANIUM RING HANDLE NEEDLE HOLDER



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

CATALOG #	DESCRIPTION
AI-CV-09-036	15 x 1.5 mm jaw, 5" (12.5 cm), TC

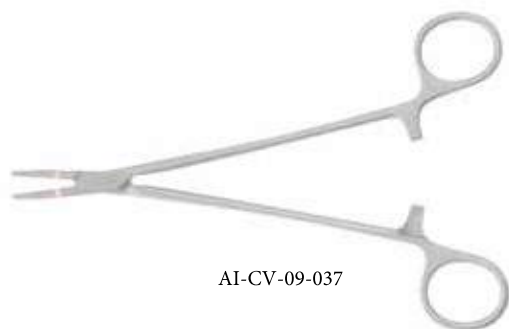
TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Ring Handle Needle Holders



INTRACARDIAC TITANIUM RING HANDLE NEEDLE HOLDER



AI-CV-09-037

CATALOG #	DESCRIPTION
AI-CV-09-037	1.8 mm jaw, 10" (25 cm), Diama-Grip

INTRACARDIAC TITANIUM RING HANDLE NEEDLE HOLDERS

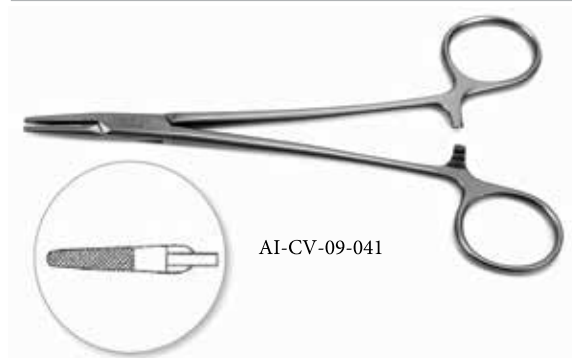


AI-CV-09-040

Diama-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-09-038	21 x 2 mm jaw, 7" (18.5 cm)
AI-CV-09-039	24 x 2 mm jaw, 8" (20.5 cm)
AI-CV-09-040	24 x 2 mm jaw, 8-5/8" (22 cm)

MAYO HEGAR TITANIUM RING HANDLE NEEDLE HOLDERS



AI-CV-09-041

1800 teeth per square inch.

CATALOG #	DESCRIPTION
AI-CV-09-041	16 x 1.8 mm jaw, 7-1/8" (18 cm), TC
AI-CV-09-042	16 x 1.8 mm jaw, 8-3/4" (22 cm), TC

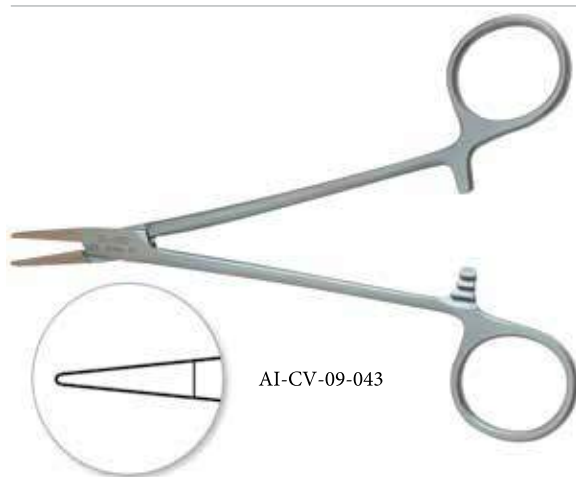
TITANIUM INSTRUMENTS

NEEDLE HOLDERS

Ring Handle Needle Holders



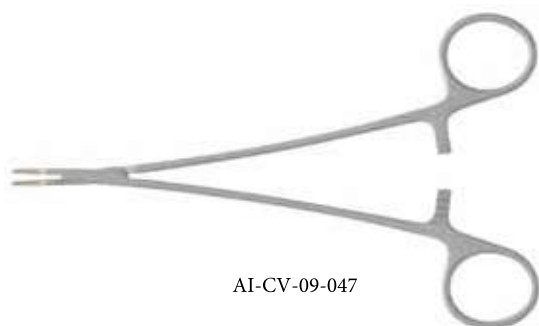
MICROVASCULAR TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-09-043	1.8 mm jaw, 6" (16 cm)
AI-CV-09-044	1.8 mm jaw, 7-1/4" (18.5 cm)
AI-CV-09-045	1.8 mm jaw, 8" (20.5 cm)

RYDER TITANIUM RING HANDLE NEEDLE HOLDERS



Diama-Grip jaws.

CATALOG #	DESCRIPTION
AI-CV-09-046	10 x 1.4 mm jaw, 6" (16 cm)
AI-CV-09-047	10 x 1.4 mm jaw, 6-3/4" (17 cm)

RYDER TITANIUM RING HANDLE NEEDLE HOLDERS

7000 teeth per square inch.

CATALOG #	DESCRIPTION
AI-CV-09-048	8 x 1.6 mm jaw, 8" (19.5 cm), TC

AI-CV-09-048



TITANIUM INSTRUMENTS

Retractors

FINOCHIETTO TITANIUM STERNAL RETRACTOR



AI-CV-09-049

CATALOG #	DESCRIPTION
AI-CV-09-049	Arm length 52 mm

PEDIATRIC TITANIUM STERNAL SPREADER



AI-CV-09-050

CATALOG #	DESCRIPTION
AI-CV-09-050	2 pairs of blades, spread 2" (5 cm), arm length 52 mm

RIB INSTRUMENTS

Rongeurs



DALE FIRST RIB RONGEUR



AI-CV-10-001

CATALOG #	DESCRIPTION
AI-CV-10-001	3 x 15 mm jaw, 14-1/2" (37 cm)

URSHEL-LEKSELL RONGEUR



AI-CV-10-002

Strong, double action rongeur.

CATALOG #	DESCRIPTION
AI-CV-10-002	8.5 x 15 mm jaw, 12-1/4" (31 cm)

RUSKIN RONGEUR



AI-CV-10-003

CATALOG #	DESCRIPTION
AI-CV-10-003	4 mm bite, 6-1/8" (15.5 cm)

RIB INSTRUMENTS

Rongeurs



STILLE -LUER DUCKBILL RONGEUR



AI-CV-10-004

CATALOG #	DESCRIPTION
AI-CV-10-004	Angled, 5 mm wide jaw, 9" (23 cm)

SAUERBRUCH RONGEURS



AI-CV-10-005

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

CATALOG #	DESCRIPTION
AI-CV-10-005	13 mm
AI-CV-10-006	17 mm
AI-CV-10-007	20 mm

URSHEL FIRST RIB RONGEUR



AI-CV-10-008

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

CATALOG #	DESCRIPTION
AI-CV-10-008	5 x 12 mm jaw, working length 9" (23 cm)

RIB INSTRUMENTS

Approximators



BAILEY RIB APPROXIMATOR RETRACTORS



AI-CV-10-009



AI-CV-10-010

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

CATALOG #	DESCRIPTION
AI-CV-10-009	Small size
AI-CV-10-010	Regular, adult size

BAILEY-GIBBON RIB APPROXIMATOR RETRACTOR



AI-CV-10-011

CATALOG #	DESCRIPTION
AI-CV-10-011	Same as Bailey except for lengthening of arms holding the blades. This raises the body of the retractor up, away from the ribs. Dull, non-glare finish, stainless steel.

Raspatories and Periosteal Elevators

ALEXANDER PERIOSTEOTOME



AI-CV-10-012

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

CATALOG #	DESCRIPTION
AI-CV-10-012	Standard model, 8-1/4" (21 cm)

RIB INSTRUMENTS

Raspatories and Periosteal Elevators



CUSHING BLUNT ELEVATOR



AI-CV-10-013

CATALOG #	DESCRIPTION
AI-CV-10-013	6 mm blunt blade, 7-1/4" (18.5 cm)

DOYEN RASPATORIES



AI-CV-10-014



AI-CV-10-017

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

CATALOG #	DESCRIPTION
AI-CV-10-014	Infant size, right side, 5-7/8" (15 cm)
AI-CV-10-015	Infant size, left side, 5-7/8" (15 cm)
AI-CV-10-016	Adult size, right side, 6-3/4" (17 cm)
AI-CV-10-017	Adult size, left side, 6-1/2" (16.5 cm)

FREER DOUBLE-END ELEVATOR



AI-CV-10-018

Pattern , satin finish.

CATALOG #	DESCRIPTION
AI-CV-10-018	Sharp and blunt, 7" (18 cm)

RIB INSTRUMENTS

Rib Shears/Sternum Cutters



BETHUNE RIB CUTTER



AI-CV-10-019

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

CATALOG #	DESCRIPTION
AI-CV-10-019	13-3/4" (35 cm)

CORYLLOS-BETHUNE RIB SHEARS



AI-CV-10-020

With recessed points to protect brachial plexus.

CATALOG #	DESCRIPTION
AI-CV-10-020	Right, 13-3/4" (35 cm)
AI-CV-10-021	Left, 13-3/4" (35 cm)

ROOS FIRST RIB SHEAR



AI-CV-10-022

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

CATALOG #	DESCRIPTION
AI-CV-10-022	12-1/2" (32 cm)

RIB INSTRUMENTS

Rib Shears/Sternum Cutters



STILLE PATTERN RIB SHEARS



AI-CV-10-023

CATALOG #	DESCRIPTION
AI-CV-10-023	10-1/4" (26 cm)

LEBSCHKE STERNUM KNIFE



AI-CV-10-024

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

CATALOG #	DESCRIPTION
AI-CV-10-024	9-7/8" (25 cm)

CVT RETRACTORS

Epicardial



PARSONNET EPICARDIAL RETRACTOR



AI-CV-11-001

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

CATALOG #	DESCRIPTION
AI-CV-11-001	3 x 3-pronged, 1-1/16" (27 mm) spread, 1-7/8" (4.5 cm) long

IMA

CHAUX MULTIPURPOSE STERNAL IMA RETRACTOR



AI-CV-11-002

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 selfretaining retraction during valve surgery.

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

CATALOG #	DESCRIPTION
AI-CV-11-002	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

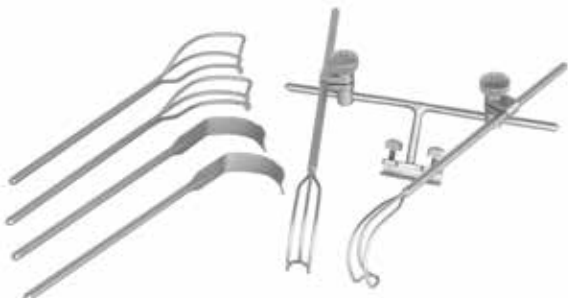


CHAUX STERNAL IMA-MITRAL VALVE RETRACTOR



AI-CV-11-003

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 there tractor 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 valvesurgery consists of the basic Chaux Retractor with the addition of a Lemole Valve Retractor Set (341501) and Valve Sternal Blade Assembly (341149).



AI-CV-11-004

CATALOG #	DESCRIPTION
AI-CV-11-003	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
AI-CV-11-004	Lemole Valve Retractor Set #1 Set #1 fits Cooley and Chaux Sternal Retrac-
AI-CV-11-005	Universal Clamp for Lemole
AI-CV-11-006	Cooley Atrial Retractor, small, 9-1/2" (24 cm)
AI-CV-11-007	Cooley Atrial Retractor, medium, 9-1/2" (24 cm)
AI-CV-11-008	Cooley Atrial Retractor, large, 9-1/2" (24 cm)
AI-CV-11-009	Malleable Atrial Retractor, 8-3/4" (22 cm)
AI-CV-11-010	Lemole Valve Retractor (341501) and Valve Sternal Blade Assembly (341149) (Part of 341155)



AI-CV-11-005



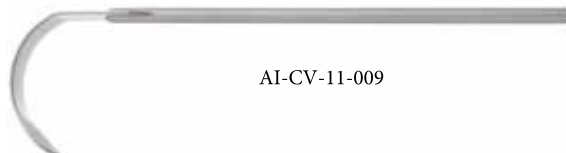
AI-CV-11-006



AI-CV-11-008



AI-CV-11-007



AI-CV-11-009

CVT RETRACTORS

IMA



CHAUX DEEP BLADE ASSEMBLY



AI-CV-11-011

CATALOG #	DESCRIPTION
AI-CV-11-011	1-3/4" (4.5 cm)

VALVE STERNAL BLADE ASSEMBLY



AI-CV-11-012



AI-CV-11-013

AI-CV-11-014

CATALOG #	DESCRIPTION
AI-CV-11-012	(Part of 341155)
AI-CV-11-013	Chaux Sternal Assembly Thumb Screw
AI-CV-11-014	Chaux Sternal Arm Take-up Screw

CVT RETRACTORS

IMA



COUËTIL IMA STERNAL RETRACTOR

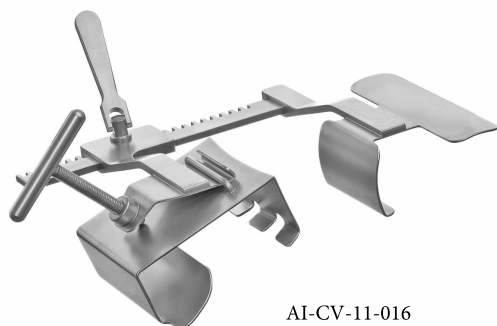


AI-CV-11-015

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

CATALOG #	DESCRIPTION
AI-CV-11-015	Ratcheted blades slide freely on retractor arm

IMA RETRACTOR



AI-CV-11-016

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

CATALOG #	DESCRIPTION
AI-CV-11-016	Replaces 341134 Acheron Bugge IMA Retractor

OCHSNER-FAVALORO IMPROVED RETRACTOR SET WITH RAIL CLAMPS



AI-CV-11-017

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

CATALOG #	DESCRIPTION
AI-CV-11-017	Consists of: 2 each retractor uprights, 1 each crossbar, 2 each screw-type rake assemblies and 2 each 341114 Gomez/Poly-tract Rail Clamps

CVT RETRACTORS

IMA



OCHSNER-FAVALORO RETRACTOR PARTS



CATALOG #	DESCRIPTION
AI-CV-11-018	Captive Washer for Knob
AI-CV-11-019	Micro Adjustable Rake and Arm
AI-CV-11-020	Knob and Clamp Assembly
AI-CV-11-021	Micro Adjust Knob
AI-CV-11-022	Rake Assembly for Ochsner-Favaloro Self-Retaining Retractors 341120 and 341128

OCHSNER-FAVALORO RETRACTOR SET



AI-CV-11-023

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

CATALOG #	DESCRIPTION
AI-CV-11-023	Supplied with one pair of rail clamps for most standard OR tables.

CVT RETRACTORS

IMA



RAIL CLAMPS



AI-CV-11-024

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

CATALOG #	DESCRIPTION
AI-CV-11-024	One pair

CHEANVECHAI RAKE ASSEMBLY



AI-CV-11-025

CATALOG #	DESCRIPTION
AI-CV-11-025	May be used with any existing SH Medexperts-made Favalo-ro-type cross bars and uprights (included with the Strong Retractor)

CHEANVECHAI-FAVALORO SWIVEL RAKE ASSEMBLY



AI-CV-11-026

CATALOG #	DESCRIPTION
AI-CV-11-026	Same as 341131 except rakes swivel

CVT RETRACTORS

IMA



STRONG T-BAR RETRACTOR SYSTEM



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

CATALOG #	DESCRIPTION
AI-CV-11-027	Retractor System

STRONG T-BAR UNILATERAL SYSTEM COMPONENTS



AI-CV-11-030

CATALOG #	DESCRIPTION
AI-CV-11-028	Strong support bar, table upright diameter 5/8" (1.5 cm)
AI-CV-11-029	Strong T-Bar
AI-CV-11-030	Cheanvechai-Favaloro Rake Assembly
AI-CV-11-031	Rail Clamp for Strong T-Bar, 5/8" (1.5 cm)
AI-CV-11-032	Set of four 341114 Rail Clamps



AI-CV-11-031

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



PREEMIE RETRACTOR



AI-CV-11-033

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

CATALOG #	DESCRIPTION
AI-CV-11-033	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



AI-CV-11-034

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

CATALOG #	DESCRIPTION
AI-CV-11-034	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



AI-CV-11-035

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

CATALOG #	DESCRIPTION
AI-CV-11-035	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



AI-CV-11-036

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

CATALOG #	DESCRIPTION
AI-CV-11-036	Spread 2-3/4" (7 cm) Blades 7/8" deep x 7/8" wide (2.2 x 2.1 cm)

AMATO NEONATAL STERNAL RETRACTORS



AI-CV-11-037

Specially designed infant sternal retractors to reduce post-operative sternal deformity by dispensing pressure over greater surface area. Selection of 3 sizes available for proper fit.

CATALOG #	DESCRIPTION
AI-CV-11-037	Amato Retractor, 4 blade, small Swivel blades 3/8" wide x 3/8" deep (1 x 1 cm)
AI-CV-11-038	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)
AI-CV-11-039	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)



AI-CV-11-038



AI-CV-11-039

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



DEBAKEY CHILD RETRACTOR



AI-CV-11-040

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

CATALOG #	DESCRIPTION
AI-CV-11-040	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



AI-CV-11-041

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

CATALOG #	DESCRIPTION
AI-CV-11-041	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



AI-CV-11-042

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

CATALOG #	DESCRIPTION
AI-CV-11-042	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



AI-CV-11-043

Light construction. Spreader arms held apart by "ratchet" mechanism.

CATALOG #	DESCRIPTION
AI-CV-11-043	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



AI-CV-11-044

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

CATALOG #	DESCRIPTION
AI-CV-11-044	Spread 2-15/16" (7.5 cm) Blades 5/8" deep x 1/2" wide (1.6 x 1.3 cm) Arm length 5-7/8" (15 cm)

CVT RETRACTORS

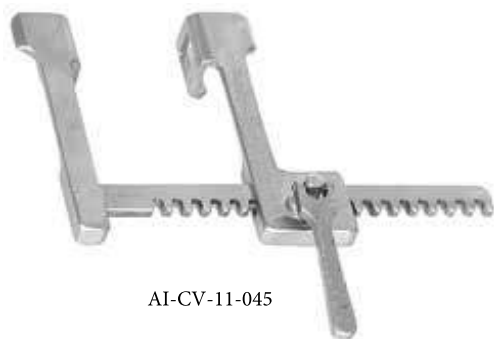
Sternal Retractors/Rib Spreaders



FINOCHIETTO RETRACTORS

The original model. Shafts curved to follow body contour. Dull, non-glare finished stainless steel.

CATALOG #	DESCRIPTION
AI-CV-11-045	Newborn size Spread 1-7/8" (4.9 cm) Blades 5/8" deep (1.5 cm) Straight arms
AI-CV-11-046	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
AI-CV-11-047	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
AI-CV-11-048	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



AI-CV-11-045



AI-CV-11-046



AI-CV-11-047



AI-CV-11-048

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



MORSE STERNAL RETRACTORS WITH DOUBLE BLADES

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

CATALOG #	DESCRIPTION
AI-CV-11-049	Child, age 2-5 Spread 3-7/8" (10 cm) Blades 3/8" deep x 5/8" wide (1.1 x 1.5 cm)
AI-CV-11-050	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)
AI-CV-11-051	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)



AI-CV-11-049



AI-CV-11-050



AI-CV-11-051

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



FAVALORO-MORSE STERNAL RETRACTORS



AI-CV-11-052

CATALOG #	DESCRIPTION
AI-CV-11-052	Adult, Short Spread 8" (20.3 cm) Blades 1-1/2" deep x 1-1/8" wide (3.8 x 2.8 cm) Arm length 6" (15.2 cm)
AI-CV-11-053	Large Adult, Long Spread 8" (20.3 cm) Blades 1-1/2" deep x 1-1/8" wide (3.8 x 2.8 cm) Arm length 8-1/16" (20.5 cm)

COOLEY STERNUM RETRACTORS



AI-CV-11-054

CATALOG #	DESCRIPTION
AI-CV-11-054	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)
AI-CV-11-055	Large Adult Spread 6-5/16" (16 cm) Long, concave blades 1-1/4" deep x 4" wide (3 x 10 cm) Arm length 6-1/2" (16.5 cm)



AI-CV-11-055

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.

CATALOG #	DESCRIPTION
AI-CV-11-056	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)
AI-CV-11-057	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)
AI-CV-11-058	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)



AI-CV-11-056



AI-CV-11-057



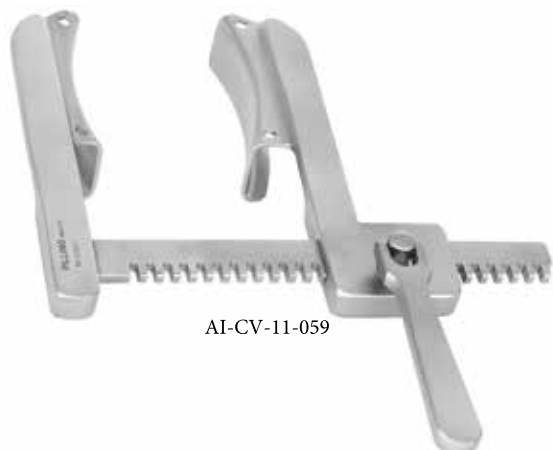
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CVT RETRACTORS

Sternal Retractors/Rib Spreaders



KUYPER-MURPHY STERNAL RETRACTORS



AI-CV-11-059

Straight arms. Concave blades.

CATALOG #	DESCRIPTION
AI-CV-11-059	Small Spread 4-1/2" (11.5 cm) Blades 1-1/8" deep x 3-1/2" wide (3 x 9 cm)
AI-CV-11-060	Medium Spread 6-5/16" (16 cm) Blades 1-3/16" deep x 3-1/2" wide (3 x 8.9 cm)



AI-CV-11-060

CVT RETRACTORS

Sternal Retractors/Rib Spreaders



RIENHOFF RETRACTORS



AI-CV-11-061



AI-CV-11-062

Stainless steel.

CATALOG #	DESCRIPTION
AI-CV-11-061	Spread 5-7/8" (15 cm) Blades 1-1/8" deep x 1-1/4" wide (3 x 3.3 cm)
AI-CV-11-062	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



AI-CV-11-063

Scored blades.

CATALOG #	DESCRIPTION
AI-CV-11-063	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



AI-CV-11-064

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

CATALOG #	DESCRIPTION
AI-CV-11-064	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



AI-CV-11-065

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

CATALOG #	DESCRIPTION
AI-CV-11-065	Minimum Spread 7-1/2" (19 cm) Small blades 2-1/2" deep x 2-1/2" wide (6.5 x 6.5 cm) Large blades 3-1/4" deep x 2-5/8" wide (8.1 x 6.5 cm) Arm length 8-1/8" (20.5 cm)

BURFORD ALUMINUM ADULT RETRACTOR



AI-CV-11-066

Two pairs of blades are supplied.

CATALOG #	DESCRIPTION
AI-CV-11-066	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

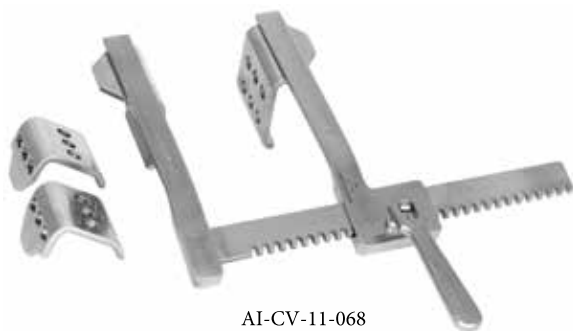


AI-CV-11-067

Two sets of interchangeable blades.

CATALOG #	DESCRIPTION
AI-CV-11-067	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



AI-CV-11-068

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

CATALOG #	DESCRIPTION
AI-CV-11-068	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



AI-CV-11-069



AI-CV-11-070

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

CATALOG #	DESCRIPTION
AI-CV-11-069	Standard spread Spread 5-7/8" (15 cm) Blades 1-3/16" deep x 3-15/16" wide (3 x 10 cm)
AI-CV-11-070	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



AI-CV-11-071



AI-CV-11-072

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

CATALOG #	DESCRIPTION
AI-CV-11-071	Infant/Child Spread 4-3/8" (11 cm) Spiked blades 5/8" deep x 1/2" wide (1.4 x 1.3 cm)
AI-CV-11-072	Adult Spread 7-1/2" (19 cm) Spiked blades 1-1/4" deep x 1" wide (3.2 x 2.5 cm)

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.

HEITMILLER MINI THORACOTOMY RETRACTOR



AI-CV-11-073

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

CATALOG #	DESCRIPTION
AI-CV-11-073	Spread 3-1/8" (7.9 cm) Blades 5/8" wide (1.6 cm)



CVT RETRACTORS

Sternal Retractor and Rib Spreader Dimensions

All dimensions are in centimeters. All dimensions are approximate.

AGE	CATALOG #	BLADE STYLE	MINIMUM SPREAD	BLADE DEPTH	BLADE WIDTH	ARM LENGTH
Preemie	AI-CV-11-074	Rib, Single, Fixed	4.0	0.8	0.65	2.5
Finochietto	AI-CV-11-075	Rib, Single, Fixed	4.9	1.5	1.5	5.5
Amato	AI-CV-11-076	Sternal, 4 Swivel Blades	7.0	1.0	1.0	4.0
Aluminum Finochietto	AI-CV-11-077	Rib, Single, Fixed	7.0	1.3	1.5	5.5
Amato Medium	AI-CV-11-078	Sternal, 4 Swivel Blades	7.0	1.4	1.3	5.9
Amato Large	AI-CV-11-079	Sternal, 6 Swivel Blades	7.0	1.4	1.3	9.0
Davis-Finochietto	AI-CV-11-080	Rib, Single, Fixed	7.0	1.3	1.5	5.0
DeBakey-Finochietto	AI-CV-11-081	Rib, Single, Fixed	7.0	2.2	2.1	6.0
Replogle	AI-CV-11-082	Sternal, 4 Swivel Blades	7.5	1.6	1.3	15.0
Aluminum DeBakey	AI-CV-11-083	Rib, Single, Fixed	9.5	3.0	3.0	8.0
Morse	AI-CV-11-084	Sternal, 4 Swivel Blades	10.0	1.1	1.5	9.0
Transplant Donor	AI-CV-11-085	Sternal, 4 Swivel, Spiked	11.0	1.4	1.3	9.5
Haight Large	AI-CV-11-086	Rib, Single, Fixed	12.1	3.4	3.0	9.0
DeBakey	AI-CV-11-087	Rib, Single, Interchangeable	10.0	3.2	3.0	8.0
Burford-Finochietto	AI-CV-11-088	Rib, Single, Interchangeable	15.0	2.5	2.4	10.8
Morse	AI-CV-11-089	Sternal, 4 Swivel Blades	15.2	1.6	2.1	12.7
Kuyper-Murphy Small	AI-CV-11-090	Sternal, Fixed	11.5	3.0	9.0	13.5
Finochietto	AI-CV-11-091	Rib, Single, Fixed	13.0	3.8	4.4	13.3
Gerbode-Burford	AI-CV-11-092	Rib, Single, 4 Interchangeable Blades	15.0	1.9	2.5	11.5
Rienhoff	AI-CV-11-093	Rib, Single, Fixed	14.0	5.0	4.4	11.7
DeBakey	AI-CV-11-094	Rib/Sternal, Interchangeable	14.0	3.2	3.0	13.0
Rienhoff Medium	AI-CV-11-095	Rib, Single, Fixed	15.0	3.0	3.3	9.0
Tuffier	AI-CV-11-096	Rib, Single, Fixed	15.0	5.6	4.8	11.4
Kuyper-Murphy Medium	AI-CV-11-097	Sternal, Fixed	16.0	3.0	8.9	16.0

CVT RETRACTORS

Sternal Retractor and Rib Spreader Dimensions



All dimensions are in centimeters. All dimensions are approximate.

AGE	CATALOG #	BLADE STYLE	MINIMUM SPREAD	BLADE DEPTH	BLADE WIDTH	ARM LENGTH
ADULT						
Gerbode	AI-CV-11-098	Sternal, Fixed	15.0	3.0	10.0	23.0
Cooley	AI-CV-11-099	Sternal, Fixed	16.5	3.2	5.7	14.6
Aluminum Burford	AI-CV-11-100	Rib, Single, Interchangeable	17.5	4.7	6.1	19.4
DeBakey	AI-CV-11-101	Rib/Sternal, Interchangeable	18.5	3.2	5.7	18.0
Finochietto	AI-CV-11-102	Rib, Single, Fixed	19.0	5.4	6.7	15.0
Burford	AI-CV-11-103	Rib, Single, Interchangeable	19.0	5.4	6.2	19.5
Gerbode-Burford	AI-CV-11-104	Rib, Single, Interchangeable	19.0	5.5	6.7	18.4
Farrell Rubio	AI-CV-11-105	Rib/Sternal, Interchangeable	19.0	4.1	6.7	17.0
Adult Transplant Donor	AI-CV-11-106	Sternal, Fixed, Spiked	19.0	3.2	2.5	15.0
Morse	AI-CV-11-107	Sternal, 4 Swivel Blades	20.3	2.4	2.9	15.2
Favaloro-Morse	AI-CV-11-108	Sternal, 4 Swivel Blades	20.3	3.8	2.8	15.2
Chaux	AI-CV-11-109	Sternal/IMA, 4 Swivel Blade	20.3	3.7	2.7	20.0
Chaux-Lemole	AI-CV-11-110	Sternal/IMA, 4 Swivel Blade, Valve Retractors	23.2	3.0	2.7	20.0
LARGE ADULT						
Cooley	AI-CV-11-111	Sternal, Fixed	16.0	3.2	10.2	16.5
Bonchek-Carpentier	AI-CV-11-112	Sternal, Fixed	18.5	3.2	10.0	16.0
Finochietto Large	AI-CV-11-113	Rib, Single, Fixed	19.0	7.3	6.7	18.0
Gerbode	AI-CV-11-114	Sternal, Fixed	19.5	3.0	10.0	23.0
Favaloro-Morse	AI-CV-11-115	Sternal, 4 Swivel Blades	20.3	3.8	2.9	20.3

CVT RETRACTORS

Sternal Closure



WOLVEK STERNAL APPROXIMATION AND FIXATION SYSTEM



AI-CV-11-116

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.



AI-CV-11-117

Sternal Approximator:

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

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



AI-CV-11-118



AI-CV-11-119



AI-CV-11-120

CATALOG #	DESCRIPTION
AI-CV-11-116	Complete Wolvek Approximator and Fixation System Includes: 1 Approximator, 1 Locking Plate Crimper, 1 Wire Cutter, Stainless Steel Storage and Case and 1 box 342006 (Locking Plates).
AI-CV-11-117	Sternal Approximator
AI-CV-11-118	Locking Plate Crimper
AI-CV-11-119	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.
AI-CV-11-120	Stainless Steel Wire Cutter, 6-7/8" (17.5 cm)
AI-CV-11-121	Berry Sternal Needle Holder, 7-3/4" (19.5 cm), TC
AI-CV-11-122	Stainless Steel Storage and Case for System, 15" x 10-1/2" x 2"

CVT RETRACTORS

Sternal Closure



KIRKLIN STERNAL AWLS



AI-CV-11-123



AI-CV-11-124

For use in wiring the sternum. Wrench included.

CATALOG #	DESCRIPTION
AI-CV-11-123	Working length 2" (5 cm), 7-1/8" (18 cm)
AI-CV-11-124	Needle only for Kirklin awl, 2-3/4" (7 cm)

SWEET MODIFIED STERNAL PUNCH



AI-CV-11-125

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

CATALOG #	DESCRIPTION
AI-CV-11-125	10" (25.5 cm)

Hand-Held

ALLISON LUNG RETRACTORS



AI-CV-11-126



AI-CV-11-127

Wire, spatula-shaped blade.

CATALOG #	DESCRIPTION
AI-CV-11-126	Child size, 10-1/4" (26 cm)
AI-CV-11-127	Adult Size, 12-3/8" (31.5 cm)



CVT RETRACTORS

Hand-Held

CUSHING DECOMPRESSION RETRACTOR



AI-CV-11-128

CATALOG #	DESCRIPTION
AI-CV-11-128	21 x 10 mm blade, 8-1/8" (20.5 cm)

CUSHING NERVE AND VEIN RETRACTOR

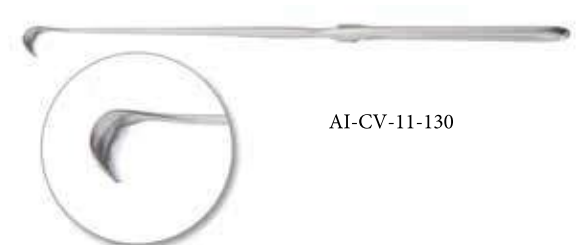


AI-CV-11-129

Pattern, satin finish.

CATALOG #	DESCRIPTION
AI-CV-11-129	12 mm wide blade, 8-1/2" (21.5 cm)

CUSHING NERVE AND VEIN RETRACTORS



AI-CV-11-130

Pattern, bright finish.

CATALOG #	DESCRIPTION
AI-CV-11-130	16 x 15 mm blade, 8-5/8" (22 cm)
AI-CV-11-131	14.5 x 15 mm blade, 12-3/4" (32.5 cm)



AI-CV-11-131

CVT RETRACTORS

Hand-Held



DAVIDSON SCAPULA RETRACTORS



AI-CV-11-132

CATALOG #	DESCRIPTION
AI-CV-11-132	Small size, blade 2" (5 cm) wide, 7-3/4" (19.5 cm)
AI-CV-11-133	Large size, blade 3-1/2" (9 cm) wide, 7-3/4" (19.5 cm)

HAIGHT RETRACTORS



AI-CV-11-136

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

CATALOG #	DESCRIPTION
AI-CV-11-134	3" wide x 11-1/2" long (7.5 x 29 cm)
AI-CV-11-135	3-1/2" wide x 11-3/4" long (9 x 30 cm)
AI-CV-11-136	4" wide x 12" long (10 x 30.5 cm)
AI-CV-11-137	4-3/4" wide x 12-3/4" long (12 x 32.5 cm)
AI-CV-11-138	5-1/2" wide x 13-1/2" long (14 x 34.5 cm)



CVT RETRACTORS

Hand-Held

ROOS BRACHIAL PLEXUS ROOT RETRACTOR



AI-CV-11-139

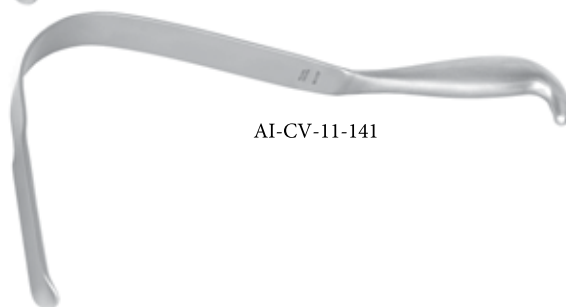
Designed to protect the T-1 cervical root from trauma by the rib shears or other instruments during posterior resection of the first rib. 14-1/4" (36 cm) length, 10" (25.5 cm) working length.

CATALOG #	DESCRIPTION
AI-CV-11-139	Angled, 13.5 mm wide blade

WYLIE RENAL VEIN RETRACTORS



AI-CV-11-140



AI-CV-11-141

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

CATALOG #	DESCRIPTION
AI-CV-11-140	Short, 1" wide x 3-3/4" deep (2.5 x 9.5 cm) blade, 11-3/4" (30 cm)
AI-CV-11-141	Long, 1" wide x 6-7/8" deep (2.5 x 17.5 cm) blade, 12-3/4" (32.5 cm)

CVT RETRACTORS

Henly-Type Retractors



MULTIPURPOSE RETRACTORS



AI-CV-11-142
AI-CV-11-143
AI-CV-11-144



AI-CV-11-145
AI-CV-11-146
AI-CV-11-147



AI-CV-11-150



AI-CV-11-151

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

CATALOG #	DESCRIPTION
AI-CV-11-142	Side blade 1-1/8" x 7/8" (3 x 2 cm) for 351675
AI-CV-11-143	Side blade 2-1/8" x 7/8" (5.5 x 2 cm) for 351675
AI-CV-11-144	Side blade 3-1/8" x 7/8" (8 x 2 cm) for 351675
AI-CV-11-145	Center blade, 7/8" x 5/8" (2 x 1.5 cm) for 351675
AI-CV-11-146	Center blade, 1-1/8" x 5/8" (3 x 1.5 cm) for 351675
AI-CV-11-147	Center blade, 1-1/4" x 5/8" (3 x 1.5 cm) for 351675
AI-CV-11-148	Center blade, 2" x 5/8" (5 x 1.5 cm) for 351675
AI-CV-11-149	Center blade, 2-1/2" x 5/8" (6.5 x 1.5 cm) for 351675
AI-CV-11-150	Multipurpose Retractor, complete with: • 1 Frame with 3-1/8" (7.8 cm) spread • 3 Center Blades in sizes 7/8" (2.2 cm), 1-1/8" (2.8 cm), 1-1/4" (3.2 cm) deep x 5/8" (1.6 cm) wide • 3 pair of Side Blades 1-1/8" (2.9 cm), 2-1/8" (5.5 cm), and 3-1/8" (8.0 cm) deep x 7/8" (2.2 cm) wide • Self-retaining, with interchangeable center and side blades. Ball-snap attachment of side blades. Swivel side blades rotate 360 degrees.
AI-CV-11-151	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



AI-CV-11-152

With interchangeable center blades and side blades.

CATALOG #	DESCRIPTION
AI-CV-11-152	Henly Retractor with straight arms, side blades slide onto arms, complete with blades
AI-CV-11-153	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



AI-CV-11-153

IMPROVED HENLY RETRACTOR SIDE BLADES



AI-CV-11-154

Shallow, medium and deep interchangeable sliding side blades.

CATALOG #	DESCRIPTION
AI-CV-11-154	1 pair, 1" x 7/8" (2.5 x 2 cm)
AI-CV-11-155	1 pair, 2" x 7/8" (5 x 2 cm)
AI-CV-11-156	1 pair, 3" x 7/8" (7.5 x 2 cm)

CVT RETRACTORS

Henly-Type Retractors



MAINI SIDE BLADE FOR IMPROVED HENLY RETRACTOR



AI-CV-11-157

CATALOG #	DESCRIPTION
AI-CV-11-157	2-3/4 x 2" (7 X 5 cm), slide-on

MAINI RICHARDSON DOUBLE-ENDED CENTER BLADE FOR HENLY RETRACTOR



AI-CV-11-158

CATALOG #	DESCRIPTION
AI-CV-11-158	Blade ends are 31 mm and 40 mm wide

ORIGINAL HENLY POPLITEAL RETRACTOR



AI-CV-11-159

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

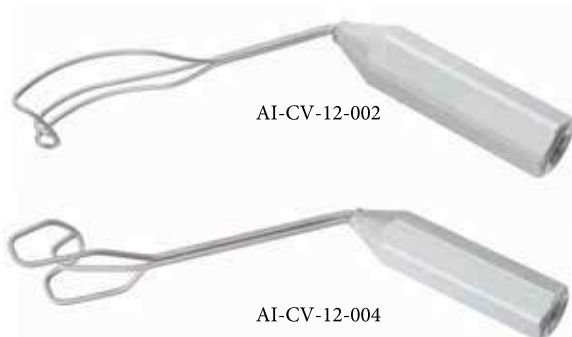
CATALOG #	DESCRIPTION
AI-CV-11-159	4 x 3 prongs, center blades: 5/8" wide x 3/4" deep (1.5 x 2 cm), 5/8" wide x 1" deep (1.5 x 2.5 cm), 5/8" wide x 1-1/4" deep (1.5 x 3 cm), overall length 6-3/8" (16 cm)

VALVE INSTRUMENTS

Valve Retractors



COOLEY MITRAL VALVE RETRACTORS



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

CATALOG #	DESCRIPTION
AI-CV-12-001	Right, small blade width 7/8" (2 cm), depth 1/2" (1.5 cm), overall length 7-1/4" (18.5 cm)
AI-CV-12-002	Right, medium blade width 1-3/8" (3.5 cm), depth 3/4" (2 cm), overall length 7-1/2" (19 cm)
AI-CV-12-003	Right, large blade width 1-7/8" (4.5 cm), depth 1-3/8" (3.5 cm), overall length 7-3/8" (19 cm)
AI-CV-12-004	Left, large blade width 1-7/8" (4.5 cm), depth 3/8" (1 cm), overall length 8-7/8" (22.5 cm)

PEDIATRIC UNIVERSAL CLAMPS



AI-CV-12-005

CATALOG #	DESCRIPTION
AI-CV-12-005	Set of 2

CRAWFORD AORTIC RETRACTORS



AI-CV-12-007

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

CATALOG #	DESCRIPTION
AI-CV-12-006	Small, blade 15 mm wide x 20 mm deep, 7-3/8" (18.5 cm)
AI-CV-12-007	Large, blade 22 mm wide x 20 mm deep, 7-7/8" (20 cm)

VALVE INSTRUMENTS

Valve Retractors



DESMARRES VALVE RETRACTORS



AI-CV-12-010

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

CATALOG #	DESCRIPTION
AI-CV-12-008	Width 4 mm
AI-CV-12-009	Width 6 mm
AI-CV-12-010	Width 8 mm
AI-CV-12-011	Width 10 mm
AI-CV-12-012	Width 12 mm
AI-CV-12-013	Width 15 mm

MORSE VALVE RETRACTOR



AI-CV-12-014

Cushing-shaped blades 12 mm deep.

CATALOG #	DESCRIPTION
AI-CV-12-014	Blade 1-5/8" (42 mm) wide, 8-1/2" (21.5 cm)

REVUELTA GARCIA VALVE LEAFLET RETRACTOR



AI-CV-12-015

CATALOG #	DESCRIPTION
AI-CV-12-015	8" (20.5 cm) working length

VALVE INSTRUMENTS

Valve Retractors



LEMOLE- VALVE RETRACTOR



AI-CV-12-019



AI-CV-12-020



AI-CV-12-021



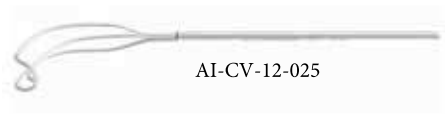
AI-CV-12-022



AI-CV-12-023



AI-CV-12-024



AI-CV-12-025

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

CATALOG #	DESCRIPTION	
AI-CV-12-016	Lemole Valve Retractor Set #1 Fits Cooley and Chaux Sternal Re-	
AI-CV-12-017	Lemole Valve Retractor Set #2 Fits Morse-style Retractors	
AI-CV-12-018	Lemole Valve Retractor Set #3 Fits Ankeney Retractor	
AI-CV-12-019	Lemole Valve Retractor Set #1 with Cooley Retractor	
AI-CV-12-020	Lemole T-Frame #1 only	
AI-CV-12-021	Lemole T-Frame #2 only	
AI-CV-12-022	Lemole T-Frame #3 only	
COMPLETE SET INCLUDES		QTY.
AI-CV-12-023	Universal Clamp for Lemole	2
AI-CV-12-024	Cooley Atrial Retractor, small, 9-1/2" (24 cm)	2
AI-CV-12-025	Cooley Atrial Retractor, medium, 9-1/2" (24 cm)	1
AI-CV-12-026	Cooley Atrial Retractor, large, 9-1/2" (24 cm)	1
AI-CV-12-027	Malleable Atrial Retractor, 8-3/4" (22 cm)	2
AI-CV-12-020, AI-CV-12-021, or AI-CV-12-022	T-Frame only for type #1, #2 and #3	1

VALVE INSTRUMENTS

Valve Retractors



CHAUX-LEMOLE BI-ANGLE T-FRAME



AI-CV-12-028

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

CATALOG #	DESCRIPTION
AI-CV-12-028	Arm tip maximum diameter 0.252", overall width 9-7/8" (25 cm)

LEMOLE SELF RETAINING ATRIAL RETRACTOR



AI-CV-12-029

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

CATALOG #	DESCRIPTION
AI-CV-12-029	10-1/2" (26.5 cm)

VALVE INSTRUMENTS

Valve Retractors



LEMOLE SIDE ARM EXTENSION



AI-CV-12-030

CATALOG #	DESCRIPTION
AI-CV-12-030	For third point atrial retraction during mitral valve surgery, fits Cooley-style and Chaux Retractors.

ABLAZA-BLANCO CARDIAC VALVE RETRACTOR



AI-CV-12-031

Notched to prevent slippage in use.

CATALOG #	DESCRIPTION
AI-CV-12-031	Angulated, blade 9/16" (1.5 cm) wide, 13" (33 cm)

BLANCO VALVE INSTRUMENTS



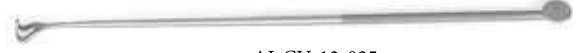
AI-CV-12-032



AI-CV-12-033



AI-CV-12-034



AI-CV-12-035

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

CATALOG #	DESCRIPTION
AI-CV-12-032	Blanco Retractor, blade 5 mm wide x 7 mm deep, 11-1/2" (29 cm)
AI-CV-12-033	Blanco Retractor, blade 7 mm wide x 7 mm deep, 11" (28 cm)
AI-CV-12-034	Blanco Retractor, Cushing type, blade 12 mm wide x 7 mm deep, 11" (28 cm)
AI-CV-12-035	Blanco Valve Spreader, blade 9 mm wide x 10 mm deep, 11-1/2" (29 cm)

VALVE INSTRUMENTS

Suture Rings



CRAWFORD SUTURE RING



AI-CV-12-036

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

CATALOG #	DESCRIPTION
AI-CV-12-036	Diameter 10" (25.5 cm)

GRUNWALD SUTURE GUIDE HOLDER



AI-CV-12-037

The Grunwald Suture Guide Holder, when used with the Gabbay-Frater Suture Guides (pg. 1158), affords a convenient method of keeping numerous sutures properly aligned during cardiac valve replacement procedures. The holder can be positioned directly over the sternotomy retractor. Three spring clips on the underside of the holder secure it to the surgical drapes. Three sterile, disposable Gabbay-Frater Suture Guides may be placed on the retaining posts of the holder either before or after placement of the holder over the sternotomy. The Grunwald Holder provides a flat, constant and secure surface for the suture guides and speeds placement by eliminating the need for using numerous towel clips that can also tend to clutter the operative field. The Grunwald Suture Guide Holder is made of stainless steel and may be steam autoclaved.

CATALOG #	DESCRIPTION
AI-CV-12-037	13-1/4" (33.5 cm)

VALVE INSTRUMENTS

Aortic Valve Rongeurs



BAILEY AORTIC VALVE RONGEURS



AI-CV-12-038



AI-CV-12-039



AI-CV-12-041



AI-CV-12-042



AI-CV-12-043

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

CATALOG #	DESCRIPTION
AI-CV-12-038	Straight biting
AI-CV-12-039	Slight downward angle (25 degrees)
AI-CV-12-040	Acute downward angle (70 degrees)
AI-CV-12-041	Right downward angle (90 degrees)
AI-CV-12-042	Angled to left side (45 degrees)
AI-CV-12-043	Angled to right side (45 degrees)

VALVE INSTRUMENTS

Valve Hooks



CARDIAC VALVE HOOK, CALIBRATED



AI-CV-12-044

CATALOG #	DESCRIPTION
AI-CV-12-044	9-3/4" (24.5 cm), 10 mm hook

COARCTATION HOOK



AI-CV-12-045

Stainless steel.

CATALOG #	DESCRIPTION
AI-CV-12-045	Right angle bend, blunt tip, 7 mm hook, 10-1/8" (25.5 cm)

DEBAKEY VALVE HOOK



AI-CV-12-046

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

CATALOG #	DESCRIPTION
AI-CV-12-046	3/8" (8.5 mm) hook, 12-1/2" (31.5 cm)

VALVE INSTRUMENTS

Valve Hooks



MICRO VASCULAR NERVE HOOK



AI-CV-12-047

CATALOG #	DESCRIPTION
AI-CV-12-047	Micro hook, small, 7-1/4" (18.5 cm)

SISSON NERVE HOOK



AI-CV-12-048

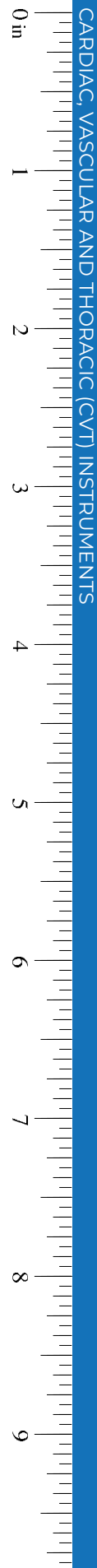
CATALOG #	DESCRIPTION
AI-CV-12-048	90 degree angled, blunt, 6 mm hook, 6-1/8" (15.5 cm)

REVUELTA-GARCIA VALVE MIRROR



AI-CV-12-049

CATALOG #	DESCRIPTION
AI-CV-12-049	9" (23 cm)



VALVE INSTRUMENTS

Valve Dilators



GERBODE VALVE DILATOR



AI-CV-12-050

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

CATALOG #	DESCRIPTION
AI-CV-12-050	Blades adjustable, opening to 1-3/4" (4.5 cm) wide

TUBBS VALVE DILATOR



AI-CV-12-051

CATALOG #	DESCRIPTION
AI-CV-12-051	Maximum blade opening 1-3/4" (4.5 cm) wide

AORTIC PUNCHES

Reusable Punches

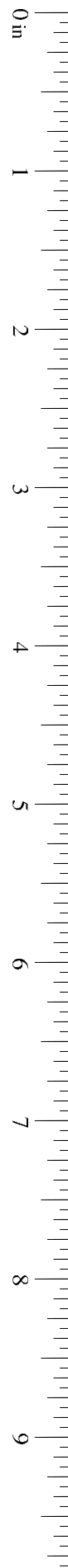


WYLIE CALCIFIED ARTERIAL PUNCH



AI-CV-13-001

CATALOG #	DESCRIPTION
AI-CV-13-001	Punches 1.3 mm hole, 8" (20.5 cm)



HEPARIN CANNULAE



HEPARIN CANNULA WITH LUER-LOK



AI-CV-14-001



AI-CV-14-002



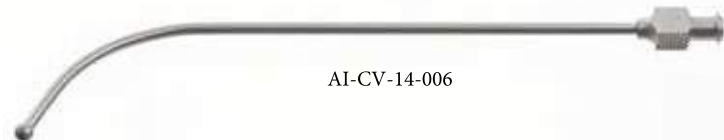
AI-CV-14-003



AI-CV-14-004



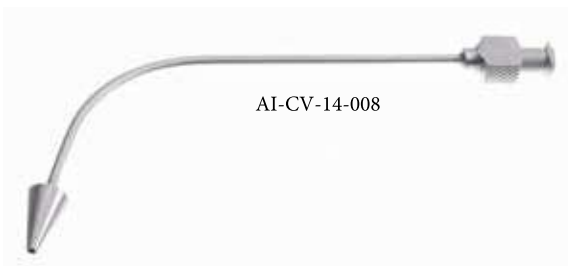
AI-CV-14-005



AI-CV-14-006



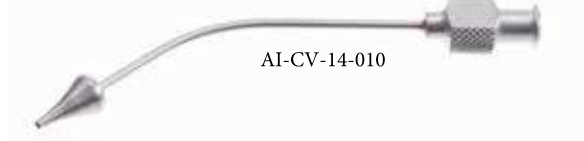
AI-CV-14-007



AI-CV-14-008



AI-CV-14-009



AI-CV-14-010



AI-CV-14-011

A complete line of stainless steel, reusable heparin cannulae. A selection of sizes, shapes and lengths provides for a variety of uses in flushing, irrigation and injection.

Applications include peripheral vascular, cardiac, general, orthopedic, urology and neuro surgery.

CATALOG #	DESCRIPTION
AI-CV-14-001	Stoney Heparin Injector 1-7/8" (4.5 cm)
AI-CV-14-002	Zanger Heparin Cannula, malleable, 4 mm tip, 2-1/2" (6.5 cm)
AI-CV-14-003	Horsely Heparin Cannula, 2-3/8" (6 cm)
AI-CV-14-004	DeBakey Heparin Cannula, malleable, 3 mm tip, 2-1/2" (6.5 cm)
AI-CV-14-005	DeBakey Heparin Cannula, malleable, 3.7 mm tip, 2-7/8" (7.5 cm)
AI-CV-14-006	DeBakey Heparin Cannula, malleable, 4 mm tip, 6" (15 cm)
AI-CV-14-007	23 gauge tip, 2-1/8" (5.5 cm)
AI-CV-14-008	Garrett Heparin Injector, malleable, 5/16" (8 mm) tip, working length 3" (7.5 cm)
AI-CV-14-009	Garrett Heparin Injector, malleable, 1/2" (12 mm) tip, working length 3" (7.5 cm)
AI-CV-14-010	Samson Heparin Injector, malleable, small 7 mm tip, 3-3/8" (8.5 cm)
AI-CV-14-011	Samson Heparin Injector, malleable, medium 9 mm tip, 3-3/8" (8.5 cm)

SUCTION TUBES



ANDREWS INFANT SUCTION TUBE



6 mm diameter tip, permanently attached.

CATALOG #	DESCRIPTION
AI-CV-15-001	9-1/4" (23.5 cm)

ANDREWS PYNCHON SUCTION TUBE



CATALOG #	DESCRIPTION
AI-CV-15-002	Curved, 6 mm tip, 3 mm diameter removable shaft, 9-5/8" (24.5 cm)

MORSE-ANDREWS SUCTION TUBE



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

CATALOG #	DESCRIPTION
AI-CV-15-003	10-1/4" (26 cm)

COOLEY SUMP SUCTION TUBE



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

CATALOG #	DESCRIPTION
AI-CV-15-004	Curved, 9 mm tip, 12-7/8" (32.5 cm)

SUCTION TUBES



DEBAKEY SUCTION TUBES



AI-CV-15-005



AI-CV-15-006



AI-CV-15-007

Small diameter, curved tubes with finger valve control.

CATALOG #	DESCRIPTION
AI-CV-15-005	9.5 mm tip, 11-3/8" (29 cm)
AI-CV-15-006	DeBakey Suction Tube Tip for 351500, 3/8" (9.5 mm)
AI-CV-15-007	3 mm diameter tip, 12-1/4" (31 cm)

DEBAKEY-ADSON CORONARY SUCTION TUBES



v

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

CATALOG #	DESCRIPTION
AI-CV-15-008	6-1/8" (15.5 cm)
AI-CV-15-009	8-1/8" (20.5 cm)

BONNIER CATHETER ADAPTER



AI-CV-15-010

For attachment of catheters to Luer Tip Syringes.

CATALOG #	DESCRIPTION
AI-CV-15-010	Large lumen



SUCTION TUBES

LUER-LOK CATHETER ADAPTER

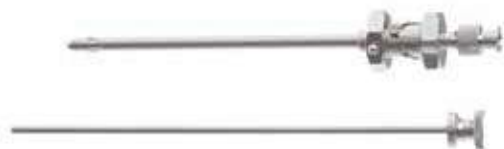


AI-CV-15-011

For attachment of catheters to Luer-Lok Syringes.

CATALOG #	DESCRIPTION
AI-CV-15-011	Small lumen, 1-1/2" (4 cm)

ABRAMS PLEURAL BIOPSY NEEDLE



AI-CV-15-012

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

CATALOG #	DESCRIPTION
AI-CV-15-012	Needle, with trocar point, 13 gauge needle, 5-3/8" (13.5 cm)

VASCULAR DILATORS

Amato Design



AMATO PEDIATRIC DILATORS SET



AI-CV-16-001

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

CATALOG #	DESCRIPTION
AI-CV-16-001	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



AI-CV-16-002

5" (12.5 cm) long, aluminum handle.

CATALOG #	DESCRIPTION
AI-CV-16-002	Set of 6, malleable aluminum shafts
AI-CV-16-003	0.5 mm
AI-CV-16-004	1.0 mm
AI-CV-16-005	1.5 mm
AI-CV-16-006	2.0 mm
AI-CV-16-007	2.5 mm
AI-CV-16-008	3.0 mm

VASCULAR DILATORS

Garrett Design



GARRETT VASCULAR DILATORS



AI-CV-16-028



AI-CV-16-038

CATALOG #	DESCRIPTION
AI-CV-16-028	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
AI-CV-16-029	Short 1 mm
AI-CV-16-030	Short 1.5 mm
AI-CV-16-031	Short 2.0 mm
AI-CV-16-032	Short 2.5 mm
AI-CV-16-033	Short 3.0 mm
AI-CV-16-034	Short 3.5 mm
AI-CV-16-035	Short 4.0 mm
AI-CV-16-036	Short 4.5 mm
AI-CV-16-037	Short 5.0 mm
AI-CV-16-038	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
AI-CV-16-039	Long 1.0 mm
AI-CV-16-040	Long 1.5 mm
AI-CV-16-041	Long 2.0 mm
AI-CV-16-042	Long 2.5 mm
AI-CV-16-043	Long 3.0 mm
AI-CV-16-044	Long 3.5 mm
AI-CV-16-045	Long 4.0 mm
AI-CV-16-046	Long 4.5 mm
AI-CV-16-047	Long 5.0 mm

VASCULAR DILATORS

Garrett Design



GARRETT DILATOR HOLDERS



AI-CV-16-048



AI-CV-16-049

CATALOG #	DESCRIPTION
AI-CV-16-048	8-1/8" (20.5 cm)
AI-CV-16-049	5-1/8" (13 cm)

Hiebert Design

HIEBERT DOUBLE-ENDED VASCULAR DILATORS



AI-CV-16-052

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

CATALOG #	DESCRIPTION
AI-CV-16-050	0.5 mm x 1 mm
AI-CV-16-051	1.5 mm x 2 mm
AI-CV-16-052	2.5 mm x 3 mm
AI-CV-16-053	3.5 mm x 4 mm

VALVULOTOMES

Antegrade Cut



VALVULOTOME ANTEGRADE CUT



AI-CV-17-001

CATALOG #	DESCRIPTION
AI-CV-17-001	5-7/8" (15 cm)

Mills-Type

MILLS VALVULOTOME



AI-CV-17-002

For CABG vein grafts.

CATALOG #	DESCRIPTION
AI-CV-17-002	Blade 2 mm long, 11-3/4" (30 cm)

In-Situ

IN-SITU VENOUS VALVULOTOME STERILIZING CASE



AI-CV-17-003

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

CATALOG #	DESCRIPTION
AI-CV-17-003	Holds 4 In-Situ Valvulotomes, 14-5/8" (37 cm)

VALVULOTOMES

In-Situ



IN-SITU VENOUS VALVULOTOME



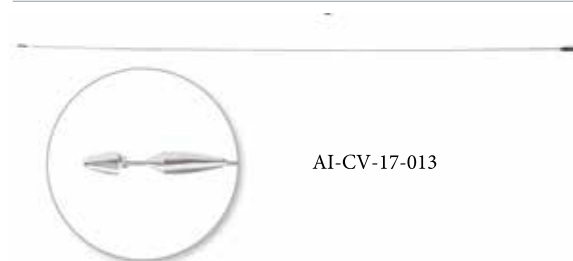
AI-CV-17-006

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

CATALOG #	DESCRIPTION
AI-CV-17-004	Blade 2 mm long, 9" (23 cm)
AI-CV-17-005	Blade 2 mm long, 9-7/8" (25 cm)
AI-CV-17-006	Blade 2 mm long, 11-3/4" (30 cm)

Bush

THE BUSH RETROGRADE VALVULOTOME



AI-CV-17-013

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 monofilament stainless steel wire.

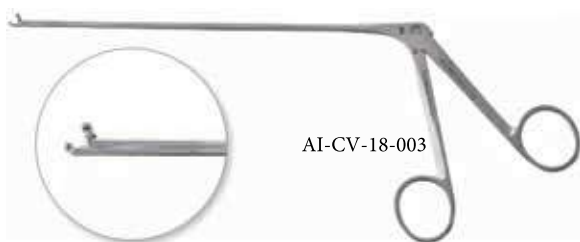
CATALOG #	DESCRIPTION
AI-CV-17-007	Set of 3 (2, 3, 4 mm heads, 1 each), 15-3/4" (40 cm)
AI-CV-17-008	2 mm head, 15-3/4" (40 cm)
AI-CV-17-009	3 mm head, 15-3/4" (40 cm)
AI-CV-17-010	4 mm head, 15-3/4" (40 cm)
AI-CV-17-011	Set of 3 (2, 3, 4 mm heads, 1 each), 37-3/8" (95 cm)
AI-CV-17-012	2 mm head, 37-3/8" (95 cm)
AI-CV-17-013	3 mm head, 37-3/8" (95 cm)
AI-CV-17-014	4 mm head, 37-3/8" (95 cm)

MEDIASTINOSCOPY

Instrumentation



JACKSON CUP FORCEPS - EXTRA LIGHTWEIGHT



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

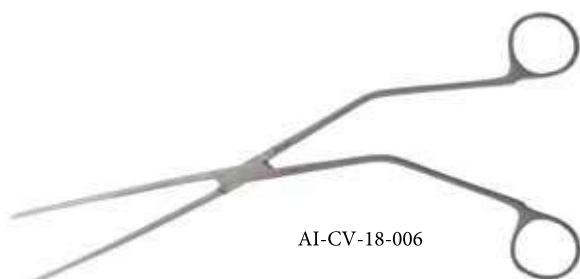
CATALOG #	DESCRIPTION
AI-CV-18-001	Straight, 2 mm diameter jaw, working length 20 cm
AI-CV-18-002	Straight, 2 mm diameter jaw, working length 28 cm
AI-CV-18-003	Angled, 2 mm diameter jaw, working length 20 cm
AI-CV-18-004	Angled, 2 mm diameter jaw, working length 28 cm

PATTERSON ELONGATED CUP BITING FORCEPS



CATALOG #	DESCRIPTION
AI-CV-18-005	Regular, 4 mm jaw width, 11-1/8" (28 cm)

MEDIASTINAL BLUNT-TIPPED DISSECTING FORCEPS



CATALOG #	DESCRIPTION
AI-CV-18-006	Serrated, 16 mm tip, working length 7-1/2" (19 cm), 12" (31 cm)

MEDIASTINOSCOPY

Instrumentation



NORRIS SPONGE HOLDING FORCEPS



AI-CV-18-007

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

CATALOG #	DESCRIPTION
AI-CV-18-007	Straight, serrated, 3.6 mm tip, 13-1/8" (34 cm)

Scope Holders

TOBEY LARYNGOSCOPE HOLDER



AI-CV-18-008

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

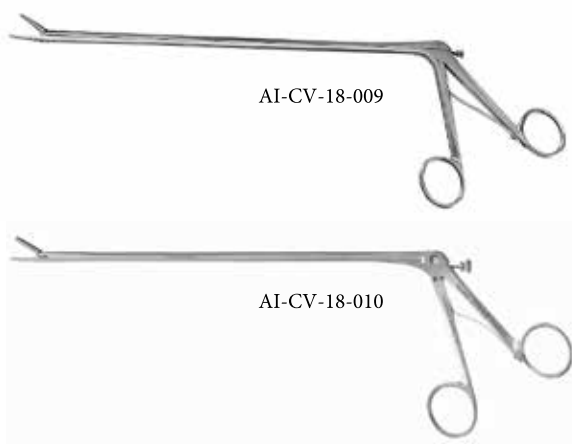
CATALOG #	DESCRIPTION
AI-CV-18-008	Overall width, 9" (23 cm)

MEDIASTINOSCOPY

Clips and Appliers



ALLIGATOR APPLYING FORCEPS AND LIGATING CLIPS



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

CATALOG #	DESCRIPTION
AI-CV-18-009	Drew Forceps, serrated jaws
AI-CV-18-010	Scoville Forceps, slotted jaws
AI-CV-18-011	McKenzie "V" clips, smooth, vial of 100
AI-CV-18-012	McKenzie "V" clips, serrated, vial of 100
AI-CV-18-013	Duane "U" clips, smooth, vial of 100
AI-CV-18-014	Clip holding magazine, single row, weighted, manual loading for Duane and McKenzie clips



AI-CV-18-011



AI-CV-18-012



AI-CV-18-013



AI-CV-18-014

VIDEO-ASSISTED THORACOSCOPY Retractors



HEITMILLER MINI THORACOTOMY RETRACTOR

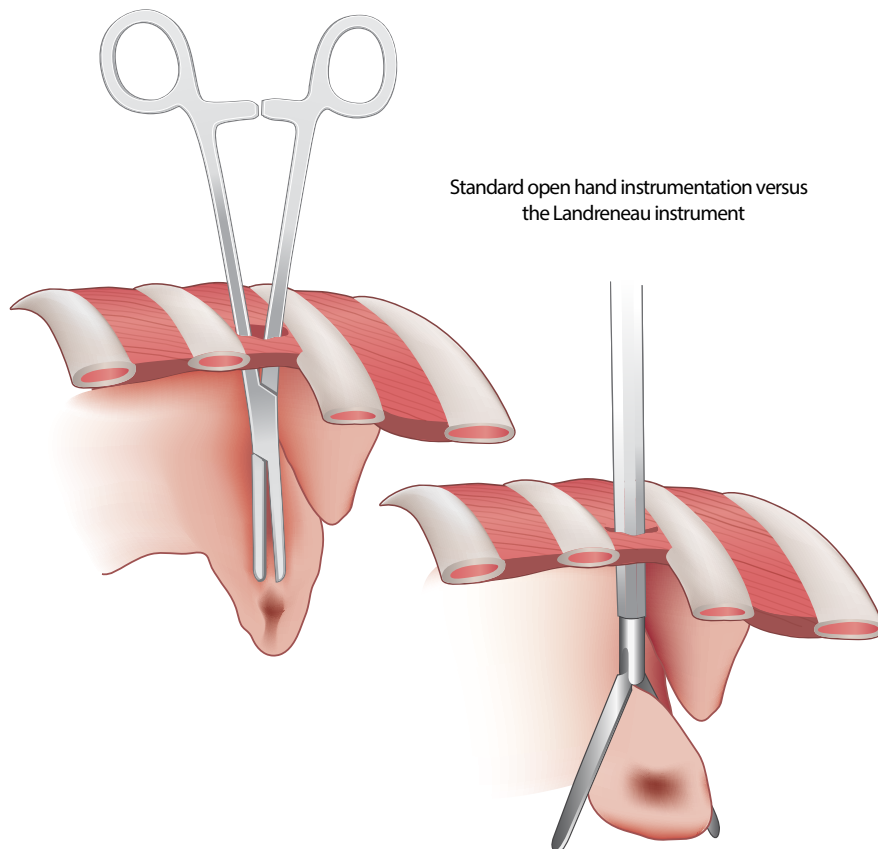


AI-CV-19-001

CATALOG #	DESCRIPTION
AI-CV-19-001	This retractor provides excellent exposure for video-assisted thoracoscopy, open lung biopsies, transaxillary incisions and mid-CAB procedures in which mini-thoracotomy incisions are used. With its small "footprint," it also is ideal for mobilizing lung adhesions during video thoracotomies.

Landreneau Design

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



Standard open hand instrumentation versus the Landreneau instrument

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design



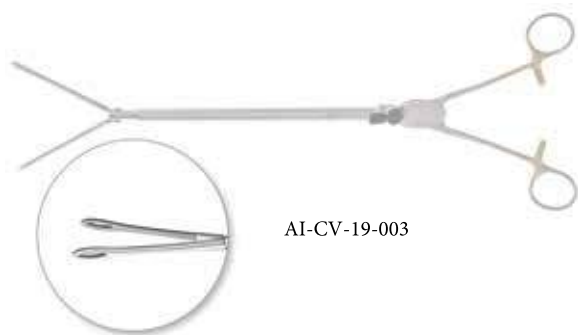
PENNINGTON GRASPING FORCEPS



AI-CV-19-002

CATALOG #	DESCRIPTION
AI-CV-19-002	10.2 mm tip width, 10 mm shaft diameter, 13 cm shaft length, locking, 7-7/8" (20 cm) working length

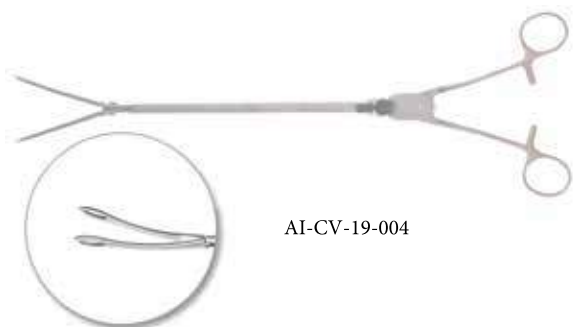
STRAIGHT MASHER GRASPING FORCEPS



AI-CV-19-003

CATALOG #	DESCRIPTION
AI-CV-19-003	Thin, teardrop-shaped, 10 mm diameter, 21 cm shaft length, locking, 7.8 mm tip width, 11-3/4" (30 cm) working length

CURVED MASHER GRASPING FORCEPS



AI-CV-19-004

CATALOG #	DESCRIPTION
AI-CV-19-004	Thin, teardrop-shaped, tip curved 20 degrees, 7.8 mm tip width, 21 cm shaft length, locking

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design



STRAIGHT MASHER GRASPING FORCEPS



CATALOG #	DESCRIPTION
AI-CV-19-005	Round, 13.8 mm tip width, 21 cm shaft length, locking, 11-3/4" (30 cm) working length

STRAIGHT DEBAKEY GRASPING FORCEPS



CATALOG #	DESCRIPTION
AI-CV-19-006	10 mm diameter, 7 mm tip width, 21 cm shaft length, locking, 11-3/4" (30 cm) working length

LAWRENCE FINE DISSECTING FORCEPS



CATALOG #	DESCRIPTION
AI-CV-19-007	45 degree curved tip, 21 cm shaft length, locking, 9-7/8" (25 cm) working length, overall length 15-3/8" (39 cm)

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design



MEEKER DISSECTING FORCEPS



AI-CV-19-008

CATALOG #	DESCRIPTION
AI-CV-19-008	90 degree curved, 2.7 mm tip width, 21 cm shaft length, locking, 9-3/4" (24.5 cm) working length

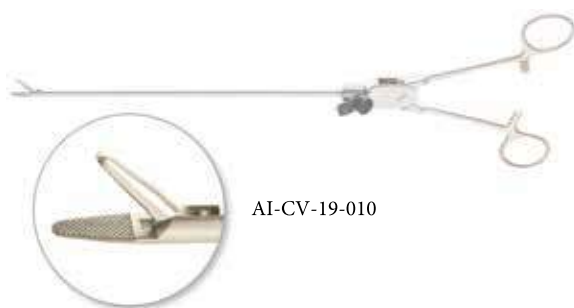
METZENBAUM SCISSORS CURVED



AI-CV-19-009

CATALOG #	DESCRIPTION
AI-CV-19-009	1.7 mm tip width, 10 mm diameter shaft, 21 cm shaft length, non-locking, 9-1/2" (24 cm) working length

STRAIGHT SINGLE ACTION NEEDLE HOLDER



AI-CV-19-010

CATALOG #	DESCRIPTION
AI-CV-19-010	5 mm diameter shaft, 21 cm shaft length, locking, 8-7/8" (23 cm) working length

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design



SHORT JAW RING FORCEPS



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

CATALOG #	DESCRIPTION
AI-CV-19-011	Straight (1S), 12-5/8" (32 cm)
AI-CV-19-012	Curved (2S), 12-1/8" (31 cm)
AI-CV-19-013	C-shaped (4S), 10-7/8" (28 cm)
AI-CV-19-014	Curved on side (3S), 12" (30.5 cm)
AI-CV-19-015	Curved handle, 11-7/8" (30 cm)

VIDEO-ASSISTED THORACOSCOPY

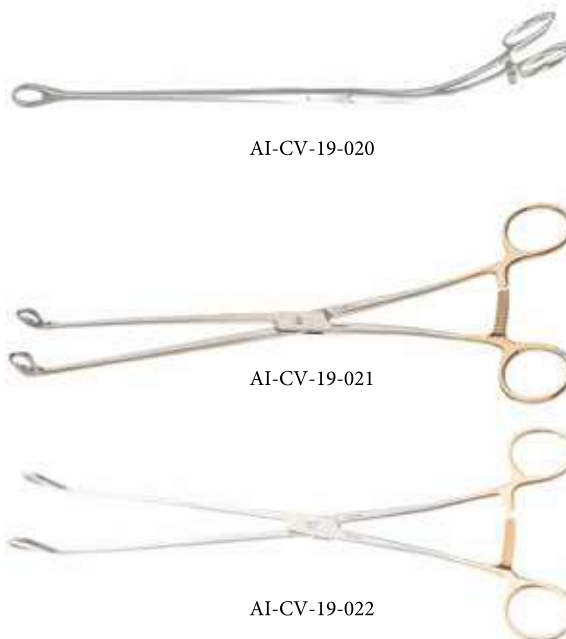
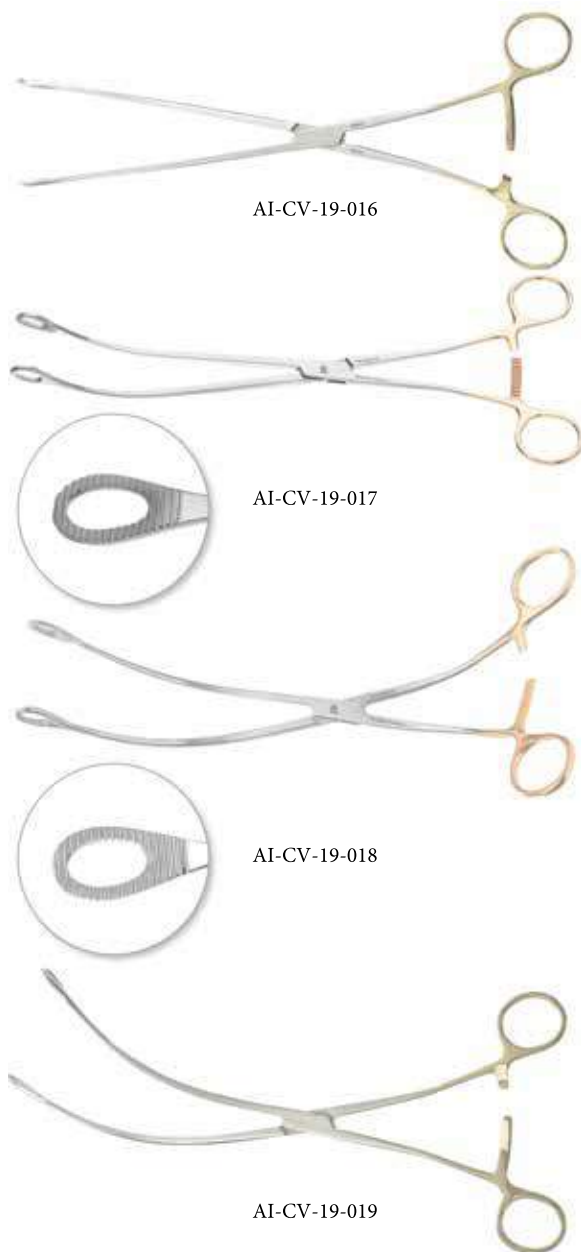
Landreneau Design



LONG JAW RING FORCEPS

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

CATALOG #	DESCRIPTION
AI-CV-19-016	Straight (1L), 6-3/8" (16 cm) jaw, 12-5/8" (32 cm)
AI-CV-19-017	Curved (2L), 6-3/8" (16 cm) jaw, 12-1/4" (31 cm)
AI-CV-19-018	"C" shaped (4L), 6-3/8" (16 cm) jaw, 10-7/8" (28 cm)
AI-CV-19-019	Curved on side (3L), 12-1/8" (31 cm)
AI-CV-19-020	Curved handle, 12-1/8" (31 cm)
AI-CV-19-021	90 degree ring jaw, 11-7/8" (30 cm)
AI-CV-19-022	45 degree ring jaw, 12-1/4" (31 cm)



VIDEO-ASSISTED THORACOSCOPY

Landreneau Design



THORACOSCOPIC FORCEPS



CATALOG #	DESCRIPTION
AI-CV-19-023	Straight, without ratchets, 12" (31 cm)
AI-CV-19-024	Slight curve, without ratchets, 11-3/4" (30 cm)

VIDEO-ASSISTED THORACOSCOPY

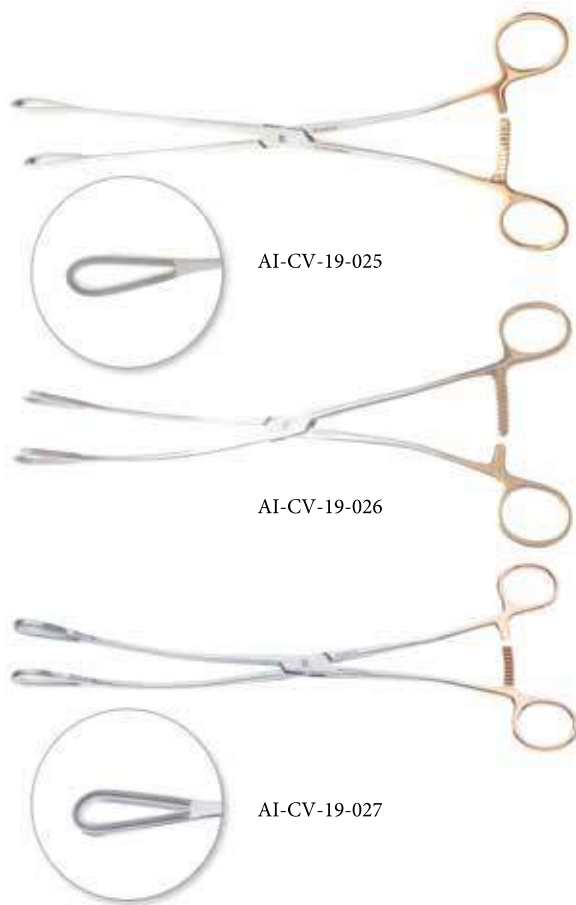
Landreneau Design



DEBAKEY-TYPE RING FORCEPS

1 x 11 ratchets.

CATALOG #	DESCRIPTION
AI-CV-19-025	Straight (1AG), 12-5/8" (32 cm)
AI-CV-19-026	"S"-shaped (5AG), 11-3/4" (30 cm)
AI-CV-19-027	Curved jaw (2AG), 12-1/4" (31 cm)



DEBAKEY-TYPE ALLIS RING FORCEPS

CATALOG #	DESCRIPTION
AI-CV-19-028	2 x 3 DeBakey-type Jaws, 21 mm, 12" (31 cm)



VIDEO-ASSISTED THORACOSCOPY

Landreneau Design

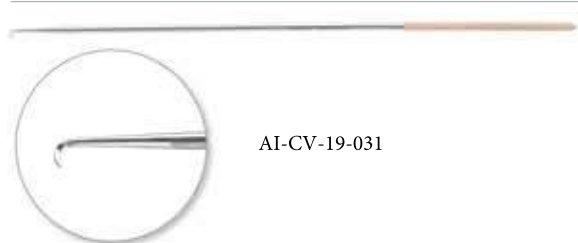


BIOPSY FORCEPS



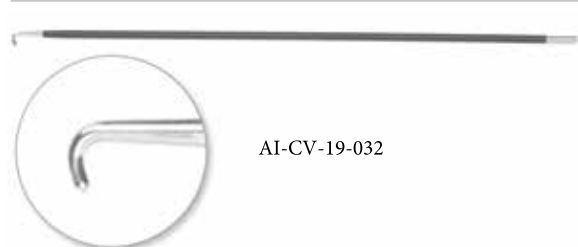
CATALOG #	DESCRIPTION
AI-CV-19-029	Malleable, 4 mm cup, 12-5/8" (32 cm)
AI-CV-19-030	Rigid, slightly curved, 4 mm cup, 11" (28 cm)

ANGLE SICKLE KNIFE



CATALOG #	DESCRIPTION
AI-CV-19-031	Sharp tip, 13" length (33 cm)

BLUNT HOOK



CATALOG #	DESCRIPTION
AI-CV-19-032	Insulated, 13" (33 cm)

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design

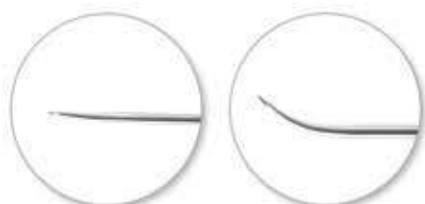


SPATULA



14" (35.5 cm).

AI-CV-19-033



AI-CV-19-033

AI-CV-19-035

CATALOG #	DESCRIPTION
AI-CV-19-033	Slight curve
AI-CV-19-034	Acute curve
AI-CV-19-035	Straight

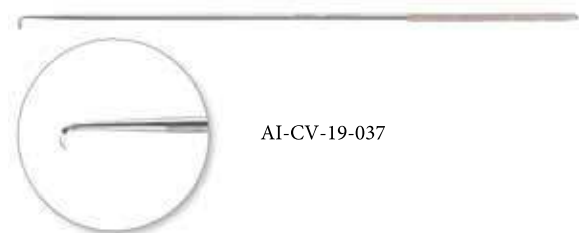
ANDREWS SUCTION



AI-CV-19-036

CATALOG #	DESCRIPTION
AI-CV-19-036	11-3/4" (30 cm)

HOOK



AI-CV-19-037

CATALOG #	DESCRIPTION
AI-CV-19-037	Blunt, 13" (33 cm)

VIDEO-ASSISTED THORACOSCOPY

Landreneau Design



SUCTION WITH THUMB VALVE



AI-CV-19-038

CATALOG #	DESCRIPTION
AI-CV-19-038	13-1/4" (33.5 cm)

TRAY



AI-CV-19-039

CATALOG #	DESCRIPTION
AI-CV-19-039	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



AI-CV-20-001

CATALOG #	DESCRIPTION
AI-CV-20-001	Lightweight, 12-1/4" (31 cm)

LEMMON INTIMA DISSECTORS



AI-CV-20-002

CATALOG #	DESCRIPTION
AI-CV-20-002	Slight curve, 6-3/8" (16.5 cm)
AI-CV-20-003	Acute curve, 6-3/8" (16.5 cm)

OLIVEKRONA DOUBLE-END DISSECTORS



AI-CV-20-005



AI-CV-20-007

Very useful as freeing instruments in endarterectomy.

CATALOG #	DESCRIPTION
AI-CV-20-004	Lightweight, 7-1/4" (18.5 cm)
AI-CV-20-005	Lightweight, 9-1/2" (24 cm)
AI-CV-20-006	Heavy weight, 7-3/4" (19.5 cm)
AI-CV-20-007	Heavy weight, 9-1/2" (24 cm)

FREER DOUBLE-END ELEVATOR



AI-CV-20-008

Pattern, satin finish.

CATALOG #	DESCRIPTION
AI-CV-20-008	Sharp and blunt, 7" (18 cm)

MISCELLANEOUS CVT

Marking Rings



MARKING RING-VEIN GRAFT



AI-CV-20-011

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

CATALOG #	DESCRIPTION
AI-CV-20-009	CC Marking Ring, 8 mm, 10/pack
AI-CV-20-010	CC Marking Ring, 10 mm, 10/pack
AI-CV-20-011	CC Marking Ring, 12 mm, 10/pack
AI-CV-20-012	CC Marking Ring, 14 mm, 10/pack

Obturator

FITCH OBTURATORS



AI-CV-20-013

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

CATALOG #	DESCRIPTION
AI-CV-20-013	26 Fr., 17-7/8" (45.5 cm)
AI-CV-20-014	30 Fr., 16-1/8" (41 cm)

MISCELLANEOUS CVT

Tourniquet Stylets



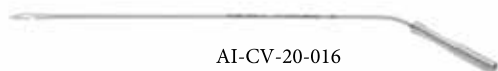
REPLACEMENT STYLET FOR RUMEL TOURNIQUET



AI-CV-20-015

CATALOG #	DESCRIPTION
AI-CV-20-015	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



AI-CV-20-016

CATALOG #	DESCRIPTION
AI-CV-20-016	Often used with rubber tubing and Identi-Loops, 7" (18 cm)

STYLET FOR RUMEL TOURNIQUET



AI-CV-20-017

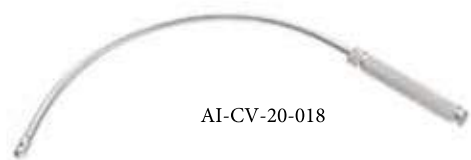
CATALOG #	DESCRIPTION
AI-CV-20-017	2 mm-wide tip, working length 8-1/4" (21 cm), overall length 9-3/8" (24 cm)



MISCELLANEOUS CVT Tunnelers



BERRY ANGIO ACCESS TUNNELER



AI-CV-20-018

Designed by William B. Berry, M.D. of Pasadena, Texas, Angio Access Tunneler (355500) is used to create forearm loop tunnels for placement of arteriovenous grafts for hemodialysis. Removable interchangeable handle and bullet tip allow:

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

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

CATALOG #	DESCRIPTION
AI-CV-20-018	Available in 10-3/4" (27.5 cm) length (105 degree arc)

CRAWFORD-COOLEY GRAFT TUNNELER



AI-CV-20-019

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

CATALOG #	DESCRIPTION
AI-CV-20-019	Tube slightly curved, 12 mm I.D., 17-1/2" (44.5 cm)

MISCELLANEOUS CVT Tunnelers



DEBAKEY FEMORAL BYPASS TUNNELER



AI-CV-20-020

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

CATALOG #	DESCRIPTION
AI-CV-20-020	20-3/4" (52.5 cm)

HALLMAN TUNNELING FORCEPS



AI-CV-20-021

CATALOG #	DESCRIPTION
AI-CV-20-021	14-5/8" (37 cm)

SPECIALTY SETS

Micro Vascular Set



MICRO VASCULAR SET OF 11 INSTRUMENTS



AI-CV-21-003



AI-CV-21-004



AI-CV-21-005



AI-CV-21-006



AI-CV-21-007



AI-CV-21-008

CATALOG #	DESCRIPTION
AI-CV-21-001	Tray and Set
AI-CV-21-002	Tray only 8" (20.5 cm) x 12 1/2" (31.5 cm)
AI-CV-21-003	Micro Scissors, straight, 12 mm blades, 7-3/8" (19 cm)
AI-CV-21-004	Micro Scissors, curved, 12 mm blades, 7-1/4" (18.5 cm)
AI-CV-21-005	You-Potts Scissors, angled 45 degrees, 12 mm blades, 7-3/8" (18.5 cm)
AI-CV-21-006	Micro Needle Holder, straight, no lock, 1.15 mm jaw, 7-3/8" (18.5 cm)
AI-CV-21-007	Micro Needle Holder, curved, no lock, 7-3/8" (18.5 cm)
AI-CV-21-008	Micro Needle Holder, straight, lock, 1.2 mm jaw, 7-1/2" (19 cm)
AI-CV-21-009	Micro Needle Holder, curved, no lock, 0.6 mm jaw, 7-3/8" (18.5 cm)
AI-CV-21-010	Micro Tying Forceps, round handle 8 mm diameter, straight 0.5 mm wide tip with platform, 6" (15 cm)
AI-CV-21-011	Micro Tying Forceps, round handle 8 mm diameter, curved 0.5 mm wide tip with platform, 6" (15 cm)
AI-CV-21-012	Micro Tying Forceps, round handle 8 mm diameter, straight 0.5 cm wide tip with platform, 7-1/8" (18 cm)
AI-CV-21-013	Micro Tying Forceps, round handle 8 mm diameter, curved 0.5 mm wide tip with platform, 7-1/8" (18 cm)



AI-CV-21-009



AI-CV-21-010

SPECIALTY SETS

Micro Vascular Set



MICRO VASCULAR SET OF 11 INSTRUMENTS



AI-CV-21-011



AI-CV-21-012



AI-CV-21-013



AI-CV-21-001



AI-CV-21-002

SPECIALTY SETS

Vascular Access Set



VASCULAR ACCESS SET



AI-CV-21-014

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

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



AI-CV-21-015

COMPLETE SET:

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

341010 Stainless steel case for Vascular Access Set

SPECIALTY SETS

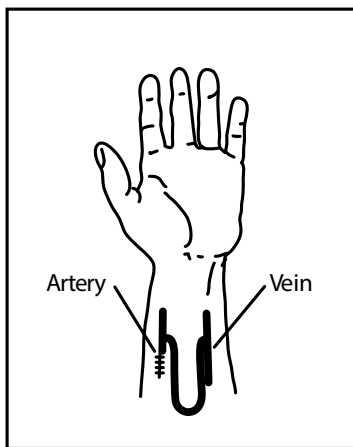
Vascular Access Set



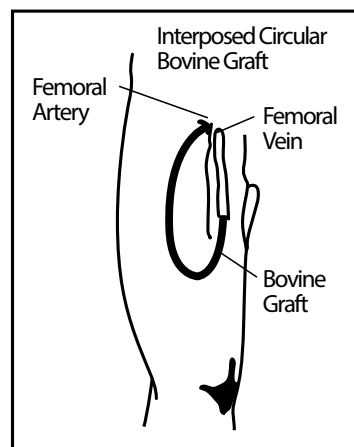
Vascular Access Sets suited for:



Brescia AV. fistula side to side



AV. fistula with external shunt



AV. fistula with graft

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

SPECIALTY SETS

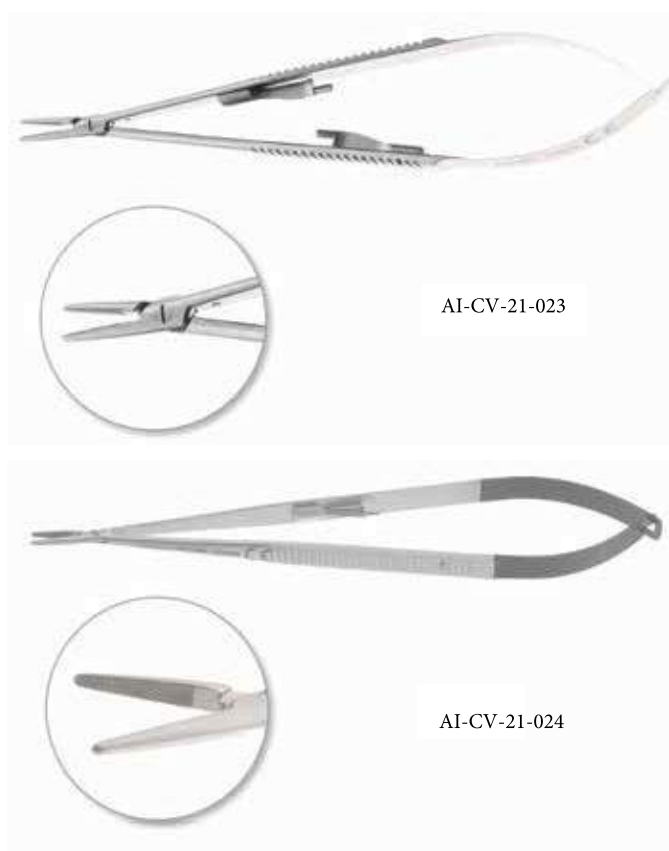
Vascular Access Set



VASCULAR ACCESS SET



CATALOG #	DESCRIPTION
AI-CV-21-016	Gregory Mini-vascular Clamps, curved, extra-light, 4-1/8" (10.5 cm)
AI-CV-21-017	Gregory Mini-vascular Clamps, angled 45 degrees, extra-light, 4-3/8" (11 cm)
AI-CV-21-018	Two of the Short Model Gelpi, sharp prongs, 3-1/8" (8 cm) spread, 5-3/8" (13.5 cm)
AI-CV-21-019	Hiebert Vascular Dilators, 0.5 mm x 1 mm
AI-CV-21-020	Hiebert Vascular Dilators, 1.5 mm x 2 mm
AI-CV-21-021	Hiebert Vascular Dilators, 2.5 mm x 3 mm
AI-CV-21-022	Hiebert Vascular Dilators, 3.5 mm x 4 mm
AI-CV-21-023	Castroviejo Needle Holder, straight, 11 x 1.4 mm jaw, 6" (15 cm), TC
AI-CV-21-024	Castroviejo Needle Holder, straight, 13 x 1.4 mm jaw, 7-1/4" (18.5 cm), TC



SPECIALTY SETS

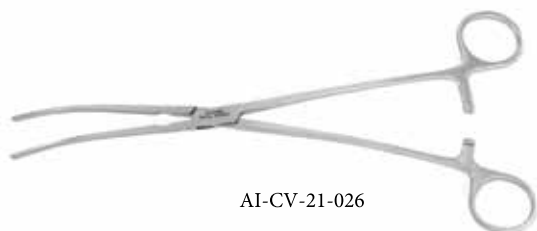
Vascular Access Set



VASCULAR ACCESS SET (CONTINUED)



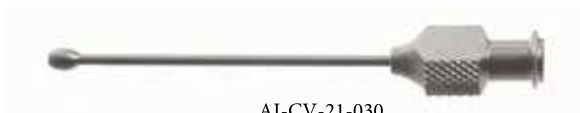
AI-CV-21-025



AI-CV-21-026



AI-CV-21-028



AI-CV-21-030



AI-CV-21-031

CATALOG #	DESCRIPTION
AI-CV-21-025	Potts-Type Scissors, angled 45 degrees, 9 mm blades, 4-1/8" (10.5 cm)
AI-CV-21-026	DeBakey Aortic Aneurysm Clamp, 3-3/4" (9.5 cm) jaw, 1 x 9 ratchets, 10-3/8" (26.5 cm)
AI-CV-21-027	Three of the Johns Hopkins Bulldog Clamps, curved jaws, 1-1/2" (4 cm)
AI-CV-21-028	Gregory Suture "Stay" Clamps, straight, 3-7/8" (10 cm), TC
AI-CV-21-029	DeBakey Heparin Cannula, malleable, 3 mm tip, 2-1/2" (6.5 cm)
AI-CV-21-030	Wheeler Pick-up Forceps, DeBakey-type Jaw, 1.6 mm, 5-1/2" (14 cm)
AI-CV-21-031	Wheeler Pick-up Forceps, DeBakey-type Jaw, 1.6 mm, 7-1/8" (18 cm)



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**OFFICE NO.1 FIRST FLOOR, MUZAFFAR CHAMBER
BLUE AREA ISLAMABAD, PAKISTAN**



CERTIFICATIONS

