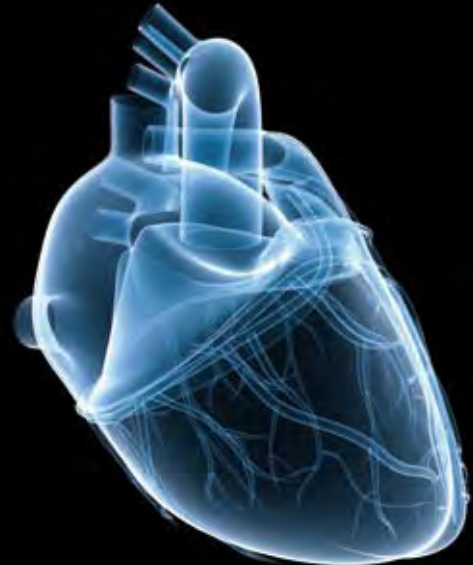




GEISTER®

The better way to operate™



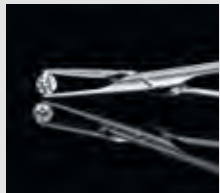
Cardiovascular
and Thoracic



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Minimally Invasive Cardiac
Surgery Instruments 6



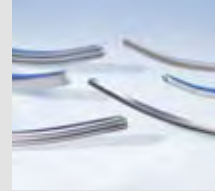
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ValveGate™ PRO

Achieve smaller approaches. Handle greater challenges.

Minimally invasive approaches, performed through small incisions, are becoming state-of-the-art in an effort by healthcare professionals to provide each patient with the best possible treatment. The most common types of minimally invasive cardiac surgery (MICS) are valve surgeries, including repairs and replacements, and even more challenging, coronary artery bypass. Such smaller incisions without a full sternotomy are expected to leave smaller scars with less trauma and bleeding, including less pain, and a decreased risk of infection. They also should decrease the length of the patient's hospital stay and recovery time.

One of the best just got better.

15 years experience and close cooperation with opinion leaders in Minimally Invasive Cardiac Surgery resulted in the development of our latest and most advanced generation of ValveGate™ MICS instruments... the all new ValveGate™PRO line!

Features:

- Ultra-lightweight and perfect balance
- Completely made from surgical stainless steel - without any plastic or aluminium components
- Full injection straight-flush cleaning concept
- Adjustable jaw and handle opening according users preference for less fatigue and time savings
- Scissors designed to cut even through hardest calcified tissues
- Needle Holders firmly grasp and drive even the largest needles
- Precise Anastomosis Suturing by finger turning and not by wrist bending
- New high precision ratchet
- Soft touch handles with elastic springs
- Ergonomic FAIRGRIP™ handles with large dimples
- Solid construction and optimized surfaces for maximum durability, wear and corrosion resistance
- Color coded handles
(Gold= Needle Holders, Black= Scissors, Silver= Graspers, all others).





ValveGate™ PRO





ValveGate™ PRO Scissors

A	38-7830	15° curved
B	38-7832	20° curved, single action
C	38-7831	Jameson-style, curved, with tenotomy tips
D	38-7836	40° curved, single action
E	38-7835	30° curved
F	38-7840	70° curved
G	38-7833	Robust Scissors 15° curved, 7 mm shaft
H	38-7860	125° Potts-style, 3.4 mm shaft
I	38-7862	45° Potts-style, 3.4 mm shaft

ValveGate™ PRO Clip Applying Forceps

J	38-7460	small, for use with SLS/Vitalitec Clips
	38-7462	medium, for use with SLS/Vitalitec Clips



5 mm shaft diameter, unless otherwise specified. Standard working length 25 cm/10" for minimally invasive valve surgery. For different length add "S", "C", "B" or "L" behind article number.

S = 17 cm/6¾"

C = 15 cm/6"

B = 12 cm/5"

L = 30 cm/12"



ValveGate™ PRO




ValveGate™ PRO Needle Holders with ratchet

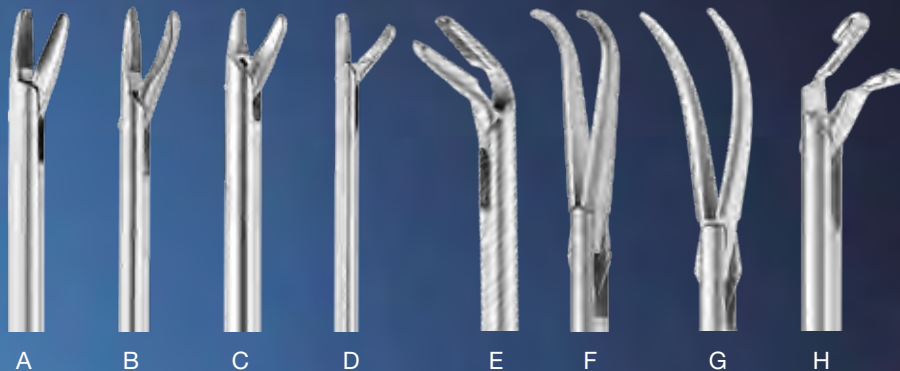
- | | | |
|---|---------|---|
| A | 38-7800 | TC straight jaw |
| B | 38-7802 | TC curved jaw |
| C | 38-7805 | TC Ryder jaw |
| D | 38-7806 | TC curved, mini jaw,
fine 2.7 mm shaft |
| E | 38-7807 | TC angled up jaw |

ValveGate™ PRO Dissecting Forceps

- | | | |
|---|---------|--|
| F | 38-7828 | Gemini-style, smooth,
dilating action |
| G | 38-7823 | Leaflet Holding Forceps,
with ratchet |

ValveGate™ PRO Knot Pusher

- | | | |
|---|---------|---------------|
| H | 38-7850 | push to close |
| | 38-7851 | push to open |



5 mm shaft diameter, unless otherwise specified.
Standard working length 25 cm/10" for minimally
invasive valve surgery. For different length add
"S", "C", "B" or "L" behind article number.

S = 17 cm/6¾"

C = 15 cm/6"

B = 12 cm/5"

L = 30 cm/12"



ValveGate™ PRO





ValveGate™ PRO DeBakey Graspers

- | | | |
|---|---------|---|
| A | 38-7820 | 1 x 2 AG, narrow, 1,5x11 mm |
| B | 38-7821 | 1 x 2 AG, narrow, 1,5x14 mm, angled upwards |
| C | 38-7822 | 1 x 2 AG, narrow, 1,5x14 mm, angled sideways |
| D | 38-7824 | Resano jaw for valves |
| E | 38-7825 | 1 x 2 AG, wide jaw, 2,8x11 mm |
| F | 38-7826 | 2 x 3 AG, extrem wide, 4,8x14 mm soft with extra fine teeth |
| G | 38-7827 | 1 x 2 AG, narrow, 1,5x11 mm 3 mm malleable shaft |

5 mm shaft diameter, unless otherwise specified.
Standard working length 25 cm/10" for minimally invasive valve surgery. For different length add "S", "C", "B" or "L" behind article number.

S = 17 cm/6¾"

C = 15 cm/6"

B = 12 cm/5"

L = 30 cm/12"



ValveGate™

03-5432

03-5420

03-5409





03-5430



03-5425

ValveGate™ Suture Ruler

(Chordae Tendinae Measuring and Knotting Device for expanded PTFE sutures)

03-5409 ValveGate™ Suture Ruler/
3-60 mm, 34 cm/13¼"

ValveGate™ Knotting Device

for chordal reconstruction with ePTFE sutures

03-5420

Shibata™ Chordae System

knotting device for facilitating chordal loop making

03-5425 15-26 mm

03-5425L 11-30 mm

Adams-Yozu Suture Gage

03-5432

Adams-Yozu Knotting Caliper

with weight holder

03-5430



ValveGate™





A	34-7486	ValveGate™ Fine Nerve and Vessel Hook	35 cm/13¾"
B	34-7485	ValveGate™ Nerve and Vessel Hook	35 cm/13¾"
C	34-7484	ValveGate™ Vessel Hook	35 cm/13¾"
D	34-7475	ValveGate™ Suture Catcher fine, 1.8 mm	35.5 cm/14"
	34-7476	ValveGate™ Suture Catcher extra fine, 1.5mm	
E	34-7480	ValveGate™ Magnetic Retriever	35 cm/13¾"
F	34-7471	ValveGate™ Scalpel Blade #11 Holder (without blades)	35 cm/13¾"
	16-2011	Scalpel Blades #11 (pack of 100, sterile)	
G	34-7470	ValveGate™ Mini Scalpel Blade Holder (without blades)	37 cm/14½"
	16-2065	Mini Scalpel Blades (pack of 10, sterile)	
H	34-7465	ValveGate™ Valve Pusher	35 cm/13¾"
I	34-7495	ValveGate™ Knot Pusher	34 cm/13⅔"
J	34-7496	ValveGate™ Knot Pusher with disc	34 cm/13⅔"



ValveGate™

34-0960.AC

34-3400

34-0860

34-0855

18-0050

18-0051

18-4530

18-4540

18-4520

18-4521

18-4522



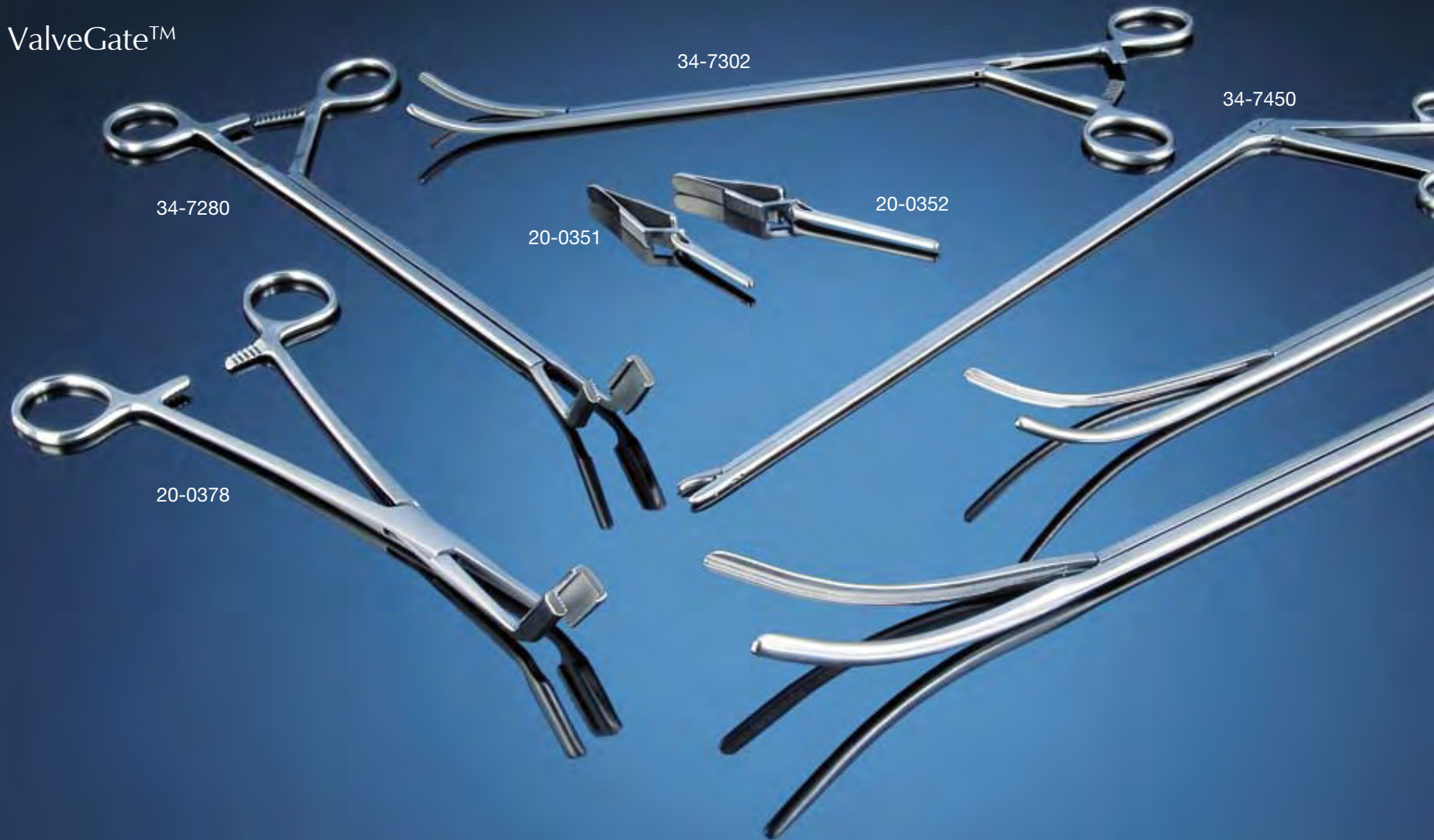


18-0050	ValveGate™ Cardioplegia Needle ø 2 mm (Bredschneider)	30.5 cm/12½"
18-0051	ValveGate™ Cardioplegia Needle ø 3mm (4:1)	30.5 cm/12½"
34-0960.AC	ValveGate™ Endoscope ø 5 mm 0° *	30 cm/12"
34-0961.AC	ValveGate™ Endoscope ø 5 mm 30° *	30 cm/12"
18-4530	Heavy Bullet Vent 14x56 mm	
18-4540	Double Lumen Bullet Vent 14x50 mm	
18-4520	Ross Ventricular Vent, Adult	
18-4521	Ross Ventricular Vent, Child	
18-4522	Ross Ventricular Vent, Infant	
34-0855	Thoracic Trocar	6 mm
34-7510	Flexible Trocar	6 mm 70 mm
34-7511	Flexible Trocar	6 mm 100 mm
34-0953	Automatic Trocar Sleeve with manual opening	5.5 mm
34-0956	Trocar, pyramidal point	5.5 mm
34-3400	Veress Insufflation Needle	120 mm
34-0860	Adams-Yozu Introducer Trocar	2.3 mm

* autoclavable, universal eyepiece for C-Mount adapters with adapters compatible for Storz/Wolf/ACMI-type lightcables



ValveGate™





34-7301

34-7300

34-7301	ValveGate™ Transthoracic Aortic Clamp 100 mm 1 x 2 DeBakey slim jaws	27 cm/10½"
34-7306	ValveGate™ Transthoracic Aortic Clamp 100 mm 2 x 3 DeBakey wide jaws	27 cm/10½"
34-7311	ValveGate™ Transthoracic Aortic Clamp 100 mm 2 x 3 DeBakey wide jaws strongly curved	27cm/10½"
34-7303	ValveGate™ Transthoracic Aortic Clamp 75 mm 1 x 2 DeBakey slim jaws	25.5 cm/10"
34-7302	ValveGate™ Transthoracic Aortic Clamp 50 mm 1 x 2 DeBakey slim jaws	23 cm/9"
34-7450	ValveGate™ Aortic Valve Rongeur 3 mm straight	30 cm/12"
34-7451	ValveGate™ Aortic Valve Rongeur 3 mm 30°, upwards	30 cm/12"
20-0351	DeBakey Bulldog Clamp straight	9 cm/3½"
20-0352	DeBakey Bulldog Clamp straight	10.5 cm/4"
20-0378	Bulldog Clamp Applying Forceps	24 cm/9½"
34-7280	Endoscopic Bulldog Clamp Applier, angled	27 cm/10½"
34-7281	Endoscopic Bulldog Clamp Applier, straight	27 cm/10½"



ValveGate™



29-1380

29-1379



29-1481G

29-1481

29-1482

- 29-1380 ValveGate™ Set of 6 Mitral Blades
(35x40/35x60/35x50/45x50/45x60/45x70 mm)
with Holder and Introducer
- 29-1379 ValveGate™ Set of 6 Tricuspidal Blades
(19x25.5/24.5x25.5/38x25.5/34.5x38.5/25.5x51/48x25.5 mm)
with Holder and Introducer
- 29-1481G Iron-Assistant™ Instrument Holder, extra long straight bar
29-1481 Iron-Assistant™ Instrument Holder, L-shaped bar
29-1481/I ditto, insulated for use with HF-surgery
29-1482 Iron-Assistant™ Endoscope Holder, straight bar
29-1482/I ditto, insulated for use with HF-surgery



ValveGate™



29-1395

29-1397.06

30-0740

29-1390

ValveGate™ Retractors



29-1396

ValveGate™ Mini-Thoracotomy Retractor

- 29-1395 with straight arms, 36 mm x 60mm tubular blades and turnable crossbar (detachable) for accessories
- 29-1390 with curved arms, 36 mm x 60 mm tubular blades with strong spreading bar and turnable crossbar (detachable) for accessories
- 29-1390.45 as above, but 36 mm x 45 mm blades
- 29-1390.80 as above, but 36 mm x 80 mm blades

Recommended ValveGate™ Accessories:

- 29-1397.06 ValveGate™ Suture Ring 6 mm with removable springs
- 29-1397.08 ValveGate™ Suture Ring 8 mm with removable springs
- 29-1395.TB Extra turnable crossbar
- 29-1500.BH Malleable Atrial Retractor 20 mm
- 29-1500.HS Cooley Atrial Hook 20 mm curved basket
- 29-1501.HS Cooley Atrial Hook 20 mm straight basket
- 29-1500.HS/D Cooley Atrial Hook 20 mm curved basket, long shaft
- 29-1428 Fixation Clamp
- 29-1437 Multi-Purpose Spatula

ValveGate™ Mini-Thoracotomy Retractor **

- 29-1396 with hinged arms, 2 x 2 exchangeable parallel blades 36 mm x 40 mm and 36 mm x 55 mm, turnable crossbar (detachable) for accessories*
- 29-1396.E2 as above, but 2 x 2 tubular blades 40 mm x 50 mm and 40 mm x 70 mm
- 29-1396.E3 as above, but 3 x 2 tubular blades 40 mm x 30 mm and 40 mm x 50 mm and 40 mm x 70 mm
- 30-0740 Cone Retractor 14.5 cm/53/4" deep pattern
- 30-0546.16 Memory Malleable Spatula 16 mm 18 cm/7"
- 30-0546.19 Memory Malleable Spatula 19 mm 18 cm/7"
- 30-0546.24 Memory Malleable Spatula 24 mm 18 cm/7"

* shown with 29-1428 and 29-1500.HS (not included)

** also available with fenestrated blades. Add "M" behind article number.



ValveGate™



ValveGate™ Soft Tissue Protector

The ValveGate™ Soft Tissue Protector for Minimally Invasive Valve Surgery is a sterile, single patient use wall access device consisting of 2 overlaid plastic rings that are interconnected by means of a silicone rubber membrane. The bottom ring is a flexible ring made with a shape memory alloy to be inserted in situ.

The special features are:

- clear and unimpeded access to surgical site in minimally invasive valve or bypass surgery, MIDCAB, V.A.T.S., transcatheter or transapical valve replacement a.o.
- protects wound edge and surrounding tissue
- usable with or without retractor
- can be used in combination with incision foil
- reduces risk of embolic fat particles on instruments, sutures and knot pushers
- improves visibility and exposure
- self-holding, for incisions from 6 cm to 9 cm (regular size) and from 3 cm to 5 cm (small size)
- very easy to insert in situ
- high flexibility
- latex-free silicone rubber

Art.-No. 29-1399

regular Size

Art.-No. 29-1399S

small size



Art.-No. 25-8010

Punch Forceps for Soft Tissue Protector

26 cm, for cutting circular holes for placement of tubes and drains.

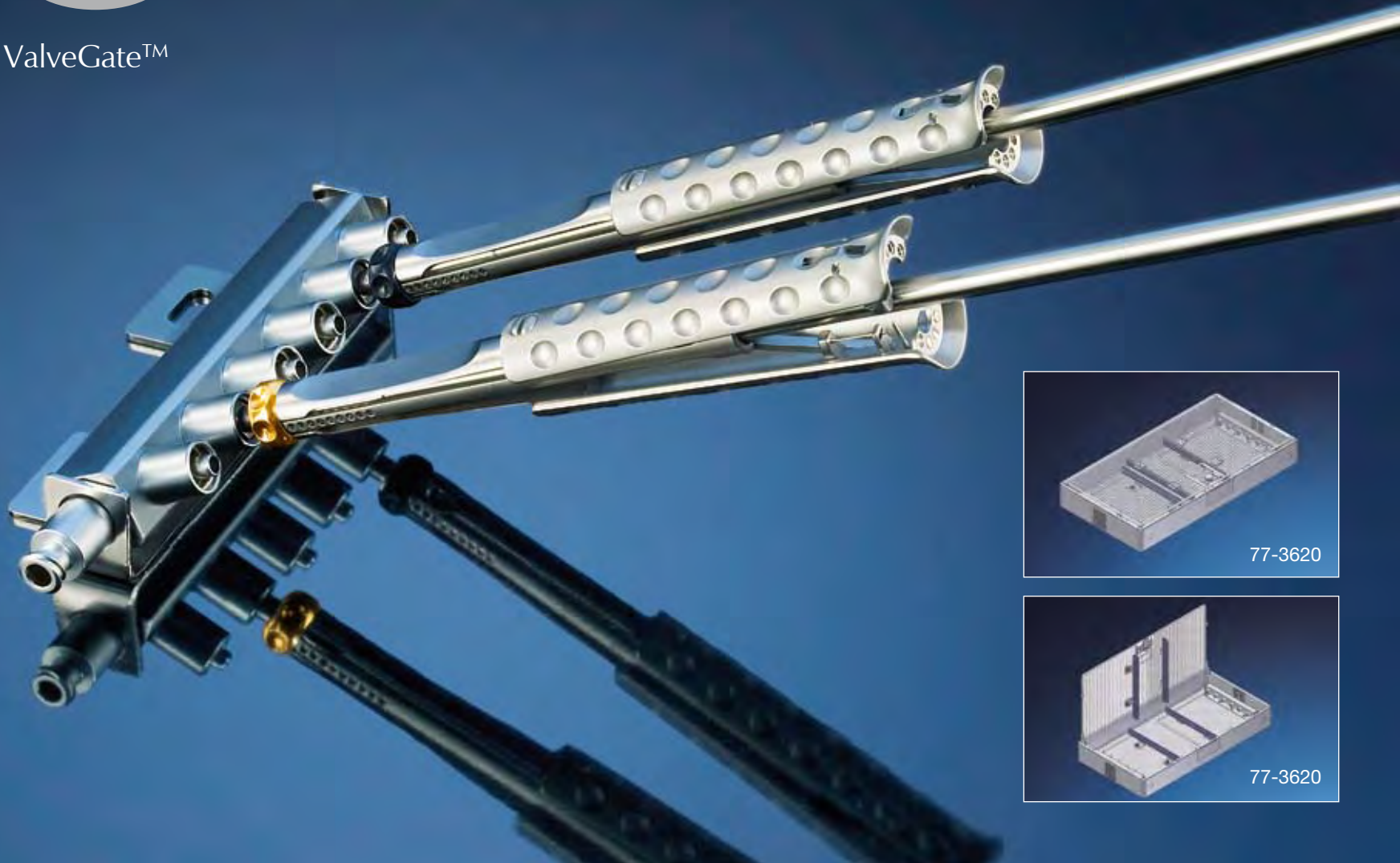


For easy placement simply push the flexible ring downwards as illustrated and insert it into the wound cavity. Then push the reversed portion carefully down as well and expand it. Remove it in the opposite way by inserting some fingers, grabbing a part of the flexible ring, and pulling it out carefully. Dispose after use.





ValveGate™



77-3620



77-3620

ValveGate™ Containers and Trays



77-3620 ValveGate™ PRO Special Tray with integrated flushports, 2x6 instruments

77-3630 ValveGate™ PRO Cleaning Bridge for 6 instruments

77-3600 Convertible ValveGate™ Plastic Container System 464x190x70mm with mat in base and upper insert with tri-level silicone strips for up to 12 instruments

77-3605 Modular ValveGate™ Plastic Container System 4", 502 x 239 x 102 mm double level assembly with mat in base and upper insert with silicone strips for up to 10 instruments

77-1119 Endoscope Wire-mesh tray 468 mm

77-1100 Wire-mesh trays with handles 480 x 258 x 50 mm, shown with 77-3605.IN

77-3605.IN ValveGate™ Instrument holders only, pair





PANDOR™
Instruments





Like gold in your eyes, difference in your hands!

PANDOR™ is a new black&gold range of "surface engineered" surgical instruments range combining exclusive design and optimized function. The extremely hard (up to 4500HV) and low reflection belugablack ceramic coating ensures outstanding wear resistance of the instruments and at the same time provides high resistance against corrosion. Due to the inherent lubricity of this non-stick surface coating, friction between moving parts is reduced and galling is prevented. The black ceramic coating is firmly bonded onto the surface and therefore does not blister, flake or chip off. The instrument life is prolonged extensively which can provide for considerable cost savings in your hospital. The belugablack color provides a sharp contrast against blood and tissue, reduces reflections at the working site and also significantly enhances the depth perception during operation. The grip of needle holders is improved and the problem of needle rotation is thus largely eliminated under normal conditions, even if grabbed at the very distal tip.

A large selection of micro instruments, scissors, needle holders, clamps, retractors, hooks etc. out of the wide GEISTER® product range are now optionally available in the attractive PANDOR™ black&gold design. This brochure can only show you a small selection. Please contact customer service for additional patterns available.

Certain PANDOR™-style micro instruments additionally feature the unique FAIRGRIP™ golfball handle design. This handle is ergonomic, well-balanced, easy to clean and has excellent grip and superb tactile properties. Feel and try the difference!

Please note; that for technical reasons for some type of instruments certain hidden surfaces might not be created.

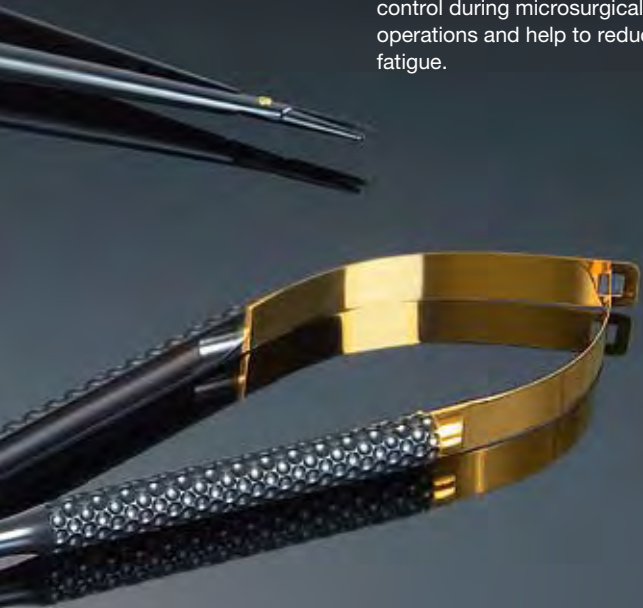


PANDOR™
Instruments





The FAIRGRIP™ ergonomic instrument handles with a new dimple knurling similar to the design of golfballs offer a completely new experience of precision, sensitivity and control during microsurgical operations and help to reduce fatigue.



Art. No. straight	Art. No. curved	PANDOR™ FAIRGRIP™ Coronary Scissors
03-0610.DF		17 cm, 25°, standard 10 mm blade
03-0612.DF		17 cm, 45°, standard 10 mm blade
03-0614.DF		17 cm, 60°, standard 10 mm blade
03-0616.DF		17 cm, 90°, standard 10 mm blade
03-0618.DF		17 cm, 125°, standard 10 mm blade
PANDOR™ FAIRGRIP™ Needle Holders		
03-0650.04DF	03-0651.04DF	0.4 mm, 18 cm, with catch, Sapphire™ jaws
03-0650.08DF	03-0651.08DF	0.8 mm, 18 cm, with catch, Sapphire™ jaws
03-0650.DF	03-0651.DF	1.2 mm, 18 cm, with catch, Sapphire™ jaws
03-0655.04DF	03-0656.04DF	0.4 mm, 21 cm, with catch, Sapphire™ jaws
03-0655.08DF	03-0656.08DF	0.8 mm, 21 cm, with catch, Sapphire™ jaws
03-0655.DF	03-0656.DF	1.2 mm, 21 cm, with catch, Sapphire™ jaws
03-0660.04DF	03-0661.04DF	0.4 mm, 23 cm, with catch, Sapphire™ jaws
03-0660.08DF	03-0661.08DF	0.8 mm, 23 cm, with catch, Sapphire™ jaws
03-0660.DF	03-0661.DF	1.2 mm, 23 cm, with catch, Sapphire™ jaws
PANDOR™ FAIRGRIP™ Micro Ring Forceps		
10-6010.DF		18 cm, 0.5 x 1.0 mm Sapphire™ jaws
10-6012.DF		21 cm, 0.5 x 1.0 mm Sapphire™ jaws
PANDOR™ FAIRGRIP™ Micro Tying Forceps		
10-6030.DF		18cm, straight 0.8mm Sapphire™ jaws
10-6031.DF		18cm, curved 0.8mm Sapphire™ jaws
10-6032.DF		18cm, straight 0.4mm Sapphire™ jaws
10-6033.DF		18cm, curved 0.4mm Sapphire™ jaws
10-6034.DF		21cm, straight 0.8mm Sapphire™ jaws
10-6035.DF		21cm, curved 0.8mm Sapphire™ jaws
10-6036.DF		21cm, straight 0.4mm Sapphire™ jaws
10-6037.DF		21cm, curved 0.4mm Sapphire™ jaws
10-6045.DF		23cm, straight 0.8mm Sapphire™ jaws

Additional patterns available



PANDOR™
Instruments





Art. No. straight	Art. No. curved	PANDOR™ Streamline Micro Needle Holders
03-0263.04DF	03-0264.04DF	0.4 mm, 18 cm, with catch, Sapphire™ jaws
03-0263.08DF	03-0264.08DF	0.8 mm, 18 cm, with catch, Sapphire™ jaws
03-0263.DF	03-0264.DF	1.2 mm, 18 cm, with catch, Sapphire™ jaws
03-0265.04DF	03-0266.04DF	0.4 mm, 21 cm, with catch, Sapphire™ jaws
03-0265.08DF	03-0266.08DF	0.8 mm, 21 cm, with catch, Sapphire™ jaws
03-0265.DF	03-0266.DF	1.2 mm, 21 cm, with catch, Sapphire™ jaws
03-0267.04DF	03-0268.04DF	0.4 mm, 23 cm, with catch, Sapphire™ jaws
03-0267.08DF	03-0268.08DF	0.8 mm, 23 cm, with catch, Sapphire™ jaws
03-0267.DF	03-0268.DF	1.2 mm, 23 cm, with catch, Sapphire™ jaws
PANDOR™ Jacobson Soft Touch Needle Holders		
03-0500.DF	03-0505.DF	1.2 mm, 18 cm, with catch, Sapphire™
03-0501.DF	03-0506.DF	0.8 mm, 18 cm, with catch, Sapphire™
03-0502.DF	03-0507.DF	0.4 mm, 18 cm, with catch, Sapphire™
03-0510.DF	03-0515.DF	1.2 mm, 21 cm, with catch, Sapphire™
03-0511.DF	03-0516.DF	0.8 mm, 21 cm, with catch, Sapphire™
03-0512.DF	03-0517.DF	0.4 mm, 21 cm, with catch, Sapphire™
PANDOR™ Micro-Potts Coronary Scissors		
03-0031.DF		17 cm, 25°, regular, 10 mm blade, round handle
03-0031.KSDF		17 cm, 25°, short, 7 mm blade, round handle
03-0033.DF		17 cm, 45°, regular, 10 mm blade, round handle
03-0033.KSDF		17 cm, 45°, short, 7 mm blade, round handle
03-0035.DF		17 cm, 60°, regular, 10 mm blade, round handle
03-0035.KSDF		17 cm, 60°, short, 7 mm blade, round handle
03-0037.DF		17 cm, 90°, regular, 10 mm blade, round handle
03-0037.KSDF		17 cm, 90°, short, 7 mm blade, round handle
03-0039.DF		17 cm, 125°, regular, 10 mm blade, round handle
03-0039.KSDF		17 cm, 125°, short, 7 mm blade, round handle



PANDOR™
Instruments





Art. No.	PANDOR™ Toennis Adson Fino Scissors
26-0118.DF	17.5 cm, curved (recommended for IMA)
PANDOR™ Iris Scissors	
26-0150.DF	11.5 cm, straight sharp
26-0151.DF	11.5 cm, curved sharp
PANDOR™ Ligature Scissors	
26-0501G.DF	23 cm, curved, wave-cut, straight shanks
PANDOR™ Diethrich-Hegemann Scissors	
26-4100.DF	18 cm, 25°, regular blades
26-4102.DF	18 cm, 45°, regular blades
26-4104.DF	18 cm, 60°, regular blades
26-4106.DF	18 cm, 90°, regular blades
26-4108.DF	18 cm, 125°, regular blades
26-4300.DF	18 cm, 25°, nano blades
26-4302.DF	18 cm, 45°, nano blades
26-4304.DF	18 cm, 60°, nano blades
26-4306.DF	18 cm, 90°, nano blades
26-4308.DF	18 cm, 125°, nano blades



PANDOR™
Instruments





Art. No.	PANDOR™ Metzenbaum Scissors
26-0100.DF	14 cm, straight
26-0101.DF	14 cm, curved
26-0102.DF	18 cm, straight
26-0103.DF	18 cm, curved
26-0104.DF	20 cm, straight
26-0105.DF	20 cm, curved
26-0106.DF	23 cm, straight
26-0107.DF	23 cm, curved
26-0108.DF	25 cm, straight
26-0109.DF	25 cm, curved
26-0110.DF	28 cm, straight
26-0111.DF	28 cm, curved
26-0112.DF	30 cm, straight
26-0113.DF	30 cm, curved

PANDOR™ Mayo-Lexer Scissors	
26-0040.DF	16 cm, straight
26-0041.DF	16 cm, curved
26-0042.DF	21 cm, straight
26-0043.DF	21 cm, curved

Art. No.	PANDOR™ Metzenbaum Fino Scissors
26-0120.DF	14 cm, straight
26-0121.DF	14 cm, curved
26-0122.DF	18 cm, straight
26-0123.DF	18 cm, curved
26-0124.DF	20 cm, straight
26-0125.DF	20 cm, curved
26-0126.DF	23 cm, straight
26-0127.DF	23 cm, curved
26-0129.DF	25 cm, curved
26-0131.DF	28 cm, curved

PANDOR™ Mayo Scissors	
26-0020.DF	14 cm, straight
26-0021.DF	14 cm, curved
26-0022.DF	17 cm, straight
26-0023.DF	17 cm, curved
26-0025.DF	23 cm, straight
26-0026.DF	23 cm, curved



PANDOR™
Instruments



Tissue Forceps



Art. No.	PANDOR™ Micro Tissue Forceps (round handle)
10-3420.DF	DeBakey jaws, 18 cm, 1 mm
10-3430.DF	DeBakey jaws, 21 cm, 1 mm
PANDOR™ Micro Tying Forceps (round handle)	
10-3560.DF	18 cm, 0.4 mm, straight, Sapphire™ jaws
10-3561.DF	18 cm, 0.8 mm, straight, Sapphire™ jaws
10-3570.DF	21 cm, 0.4 mm, straight, Sapphire™ jaws
10-3571.DF	21 cm, 0.8 mm, straight, Sapphire™ jaws
PANDOR™ Gerald Tissue Forceps	
10-0075.DF	DeBakey jaws, 18 cm, 1 mm
10-3305.DF	Tying with platform, 18 cm, Sapphire™ jaws
PANDOR™ DeBakey-Diethrich Tissue Forceps	
10-0100.DF	15.0 cm, 1.5 mm
10-0102.DF	19.5 cm, 1.5 mm
10-0104.DF	24.0 cm, 1.5 mm
10-0150.DF	15.0 cm, 1.5 mm, angled
10-0152.DF	19.5 cm, 1.5 mm, angled
10-0154.DF	24.0 cm, 1.5 mm, angled
PANDOR™ DeBakey Tissue Forceps	
10-0110.DF	15.0 cm, 2.0 mm
10-0112.DF	19.5 cm, 2.0 mm
10-0114.DF	24.0 cm, 2.0 mm
10-0120.DF	15.0 cm, 2.7 mm
10-0122.DF	19.5 cm, 2.7 mm
10-0124.DF	24.0 cm, 2.7 mm



PANDOR™
Instruments





Art. No.	PANDOR™ DeBakey-Diethrich Bulldog
20-0322.DF	straight, 5 cm, 20 mm
20-0323.DF	angled, 5 cm, 20 mm
20-0324.DF	curved, 5 cm, 20 mm
PANDOR™ Glover Bulldog Clamps	
20-0450.DF	straight, 6 cm
20-0455.DF	curved, 5.5 cm
20-0459.DF	angled, 5.5 cm
PANDOR™ Gemini (DeBakey-Mixer)	
25-0100.DF	Dissecting Forceps, 14 cm
25-0101.DF	Dissecting Forceps, 16 cm
25-0102.DF	Dissecting Forceps, 18 cm
25-0103.DF	Dissecting Forceps, 20 cm
25-0104.DF	Dissecting Forceps, 23 cm
25-0105.DF	Dissecting Forceps, 25 cm
25-0106.DF	Dissecting Forceps, 28 cm

Art. No.	PANDOR™ Moberg Retractor
30-0138.DF	8 x 12 mm, 17.5 cm
PANDOR™ Cushing Artery Hook	
30-0304.DF	19 cm
PANDOR™ Volkmann Retractor	
30-1511.DF	22 cm, 2teeth sharp
PANDOR™ Kocher Retractor	
30-1543.DF	22 cm, 4teeth sharp
PANDOR™ Middeldorpf Retractors	
30-0195.DF	15 x 15 mm, 22 cm
30-0196.DF	20 x 22 mm, 22 cm
PANDOR™ Nerve Hook	
41-1053.DF	90°, 5 mm ,19 cm



PANDOR™
Instruments





Art. No.	PANDOR™ Mayo-Hegar Needle Holders
24-0130.DF	16 cm, TC (N)
24-0131.DF	18 cm, TC (N)
24-0132.DF	20 cm, TC (N)
24-0133.DF	24 cm, TC (N)
24-0134.DF	26 cm, TC (N)
PANDOR™ Crile-Wood Needle Holder	
24-0762.DF	19.5 cm, TC (F), extended ring
PANDOR™ DeBakey Needle Holder del.	
24-0763.DF	19.5 cm, TC (F), extended ring
PANDOR™ Eufrate Pasque Needle Holders	
24-0445.DF	15 cm, TC (M)
24-0446.DF	18 cm, TC (M)
24-0447.DF	20 cm, TC (M)
PANDOR™ Geister Vascular Needle Holders	
24-0496.DF	13 cm, Sapphire™ jaws
24-0498.DF	16.5 cm, Sapphire™ jaws
24-0500.DF	18 cm, Sapphire™ jaws
24-0502.DF	19.5 cm, Sapphire™ jaws
24-0504.DF	23 cm, Sapphire™ jaws
24-0506.DF	25.5 cm, Sapphire™ jaws



PANDOR™
Instruments





Art. No.	PANDOR™ DeBakey Peripheral Vascular Clamp
22-0180.DF	19 cm angled
PANDOR™ DeBakey Tangential Occlusion Clamps	
22-0370.DF	20 cm
22-0372.DF	25 cm
22-0374.DF	26 cm
22-0376.DF	26.5 cm
22-0378.DF	27 cm
PANDOR™ Lambert-Kay Aortic Clamp	
22-0245.DF	20 cm



PANDOR™
Instruments





Art. No.	PANDOR™ DeBakey Ring-Bulldog Clamp
22-0104.DF	angled 12.5 cm
	PANDOR™ DeBakey-Castaneda Clamp
22-0795.DF	angled 50° 12.5 cm D3 angled shanks
	PANDOR™ Premature Babies Micro Vascular Clamp
22-0858.DF	10.5 cm, Fig. 5
	PANDOR™ DeBakey Extra-Fine Multi-Purpose Clamps
22-0916.DF	angled 45° 37 mm 16cm curved shanks
22-0934.DF	profunda 28 mm 15.5cm straight shanks
22-0936.DF	profunda 28 mm 17 cm straight shanks
	PANDOR™ DeBakey Extra-Fine Occlusion Clamps
22-0946.DF	17 mm 11.5 cm curved shanks
22-0960.DF	17 mm 18 cm curved shanks
	PANDOR™ Example Clamp
23-0748.DF	15 cm



Micro Instruments





Like diamonds in your hands!

Precision crafted by skilled artisans with the support of the most advanced computer controlled manufacturing technologies, the GEISTER® microsurgical instrument range offers you maximum strength and durability, precise control, sensitive tactile feel, lightweight, superior balance and the quality with meticulous attention to the even smallest details that you expect from a GEISTER® instrument.

All GEISTER® Micro Needle Holders and Forceps - both in stainless steel and titanium - feature our exclusive Sapphire™ enhanced needle grip surface for a firm grasp of needles without rotation and maximum control during suturing or grasping tissue.

Available are patterns with 0.3 or 0.4 mm tip dimensions designed for holding needles size 8-0 and smaller, as well as patterns with 0.8 mm tip for needles size 6-0 and smaller and 1.2 mm for needles size 5-0 and smaller. Featured streamline models with a twisted boxlock effectively prevent snagging of sutures in the boxlock area. Special soft touch models with a new softer ratchet provide for even more precise anastomosis, faster action and response and even better control and feeling.

Titanium instruments are approx. 50% lighter than stainless steel instruments, providing for reduced fatigue during extended operations. They

provide excellent balance and feel, are least traumatic and antimagnetic. They are easy to maintain and to sterilize, just in the same manner as stainless steel instruments. For easier identification all GEISTER® titanium instruments are anodized in blue color. Optionally additional color coding with our range of TiColors™ is available (inquire for details).

Superior in workmanship, quality, and reliability, our fine spring style micro scissors deliver precise, sharp and smooth cuts even on smallest vessels and tissue structures. They are handcrafted from the finest surgical grade stainless steel available and completed with an individual hand grind on each cutting edge. You have a choice of round knurled handles, offering a better tactile feeling, or of flat serrated handles, providing a more controlled grip. Featured nano jaw models come with shorter and even finer blades for unsurpassed precision even on the most delicate vessels.

GEISTER® micro tissue forceps available with ring-, tying or atraumatic DeBaKey tips are manufactured with round knurled handles to guarantee a secure and firm hold of the instrument in your hand. Double pins and special textured tips provide for precise and atraumatic tissue handling without slippage or twisting of jaws.



Jacobson Coronary Scissors



with ball

Fig.	Length mm/"	∠	Art.-No. with ball	Art.-No. sharp	Art.-No. nano sharp	Fig.	Length mm/"	∠	Art.-No. with ball	Art.-No. sharp
A	170/6½	25°	03-0010	03-0030	03-0030.KS	A	230/9	25°	–	03-0030.23
B	170/6½	45°	03-0012	03-0032	03-0032.KS	B	230/9	45°	–	03-0032.23
C	170/6½	60°	03-0014	03-0034	03-0034.KS	C	230/9	60°	–	03-0034.23
D	170/6½	90°	03-0016	03-0036	03-0036.KS	D	230/9	90°	–	03-0036.23
E	170/6½	125°	03-0018	03-0038	–	E	230/9	125°	–	03-0038.23
F	170/6½	125°	–	03-0038V	03-0038.KS					

Standard blade length 10 mm. For shorter 7 mm blade add "KS" behind Art.-No. for ordering. For longer 14 mm blade add "LS" behind Art.-No. for ordering.

Micro-Potts

Coronary Scissors (sharp/sharp)



Fig.	Length mm/"	✂	Art.-No. regular	Art.-No. nano blades	Fig.	Length mm/"	✂	Art.-No.	Fig.	Length mm/"	✂	Art.-No.
A	170/6½	25°	03-0031	03-0031.KS	A	210/8¼	25°	03-0031.21	A	230/9	25°	03-0031.23
B	170/6½	45°	03-0033	03-0033.KS	B	210/8¼	45°	03-0033.21	B	230/9	45°	03-0033.23
C	170/6½	60°	03-0035	03-0035.KS	C	210/8¼	60°	03-0035.21	C	230/9	60°	03-0035.23
D	170/6½	90°	03-0037	03-0037.KS	D	210/8¼	90°	03-0037.21	D	230/9	90°	03-0037.23
E	170/6½	125°	03-0039	—	E	210/8¼	125°	03-0039.21	E	230/9	125°	03-0039.23
F	170/6½	125°	03-0039V	03-0039.KS								

Standard blade length 10 mm. For shorter 7 mm blade add "KS" behind Art.-No. for ordering. For longer 14 mm blade add "LS" behind Art.-No. for ordering.



Swedish Edge

Streamline Coronary Scissors

Swedish Edge

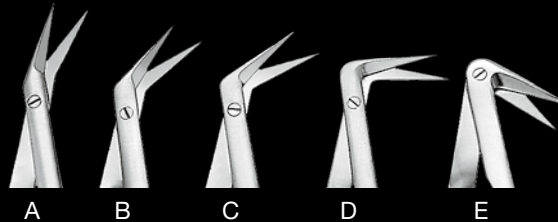


Fig.	Length	∠ mm / °	Art.-No. regular	Art.-No. nano blades
A	180/7	25°	03-1050	03-1060
B	180/7	45°	03-1052	03-1062
C	180/7	60°	03-1054	03-1064
D	180/7	90°	03-1056	03-1066
E	180/7	125°	03-1058	03-1068

More Swedish Edge Scissors [see page 232](#)



Coronary Classic-type Scissors



with ball

sharp

Fig.	Length mm / "	∠	Art.-No. with ball	Art.-No. sharp/sharp	Fig.	Length mm / "	∠	Art.-No. with ball	Art.-No. sharp/sharp
A	170/6½	25°	03-0010.JP	03-0030.JP	A	140/5½	25°	—	03-0040.JP
B	170/6½	45°	03-0012.JP	03-0032.JP	B	140/5½	45°	—	03-0042.JP
C	170/6½	60°	03-0014.JP	03-0034.JP	C	140/5½	60°	—	03-0044.JP
D	170/6½	90°	03-0016.JP	03-0036.JP	D	140/5½	90°	—	03-0046.JP
E	170/6½	125°	03-0018.JP	03-0038.JP	E	140/5½	125°	—	03-0048.JP



Radialis

Coronary Scissors with ultra-fine nano blades,
pin-lock without screw

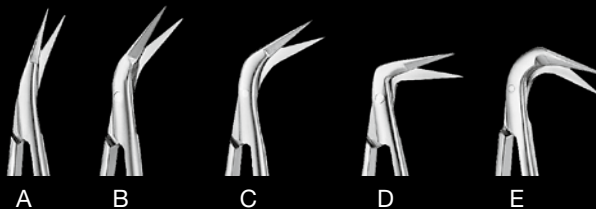


Fig.	Length mm/"	★	Art.-No. nano blades
A	180/7	25°	03-1031
B	180/7	45°	03-1033
C	180/7	60°	03-1035
D	180/7	90°	03-1037
E	180/7	125°	03-1039



Mini-Potts

Coronary Scissors (sharp/sharp)

Castroviejo

Coronary Scissors (sharp/sharp)

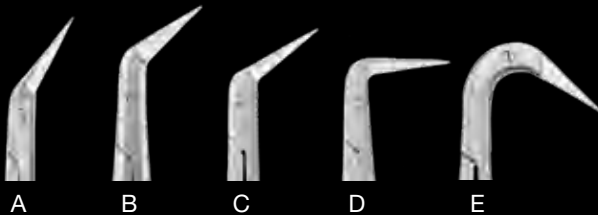


Fig.	✂	Length 115 mm 4½"
A	25°	03-1091
B	45°	03-1093
C	60°	03-1095
D	90°	03-1097
E	125°	03-1099

Fig.	✂	Length 90 mm 3½"
A	25°	03-1040
B	45°	03-1042
C	60°	03-1044
D	90°	03-1046
E	125°	03-1048



Yasargil
Bayonet Scissors



Fig.	Length mm/"	✂	Art.-No.
A	180/7	45°	41-4203
B	180/7	125°	41-4209



Structurae™
Coronary Scissors

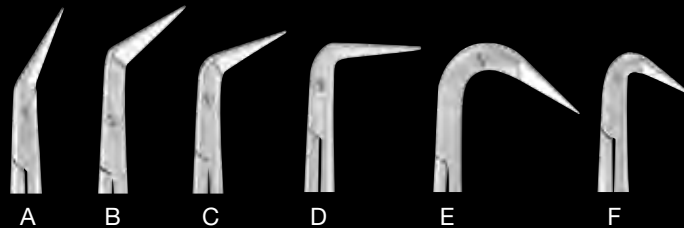


Fig.	✂	Art. No.
A	25°	03-1131
B	45°	03-1133
C	60°	03-1135
D	90°	03-1137
E	125°	03-1139
F	125° V-neck	03-1139V



Adventitia/Dissecting with flat handle



Fig.	Length mm / "	Jaw	Art.-No.	Fig.	Length mm / "	Jaw	Art.-No.
A	150/6	short	03-0050	A	110/4¼	short	03-0065
B	150/6	short	03-0051	B	110/4¼	short	03-0066
A	150/6	long	03-0060	toothed jaws:			
B	150/6	long	03-0061	A	150/6	long	03-0070
				B	150/6	long	03-0071

Adventitia / Dissecting

with round handle



Fig.	Length mm/"	Blades	Handle	Art.-No.	Fig.	Length mm/"	Blades	Handle	Art.-No.
A	150/6	short (6 mm)	R8	03-0055	A	180/7	short (6 mm)	R8	03-0075
B	150/6	short (6 mm)	R8	03-0056	B	180/7	short (6 mm)	R8	03-0076
C	150/6	short (6 mm)	R8	03-0055.VA	A	180/7	long (9 mm)	R8	03-0085
D	150/6	short (6 mm)	R8	03-0056.VA	B	180/9	long (9 mm)	R8	03-0086
A	150/6	long (9 mm)	R8	03-0080					
B	150/6	long (9 mm)	R8	03-0081					



Diethrich-Hegemann

Coronary Scissors with
extra delicate micro tips



Fig.	Length mm / "	∠	Art.-No. regular	Art.-No. super cut	Art.-No. nano blades	Art.-No. nano super cut
A	180/7	25°	26-4100	26-4100.SC	26-4300	26-4300.SC
B	180/7	45°	26-4102	26-4102.SC	26-4302	26-4302.SC
C	180/7	60°	26-4104	26-4104.SC	26-4304	26-4304.SC
D	180/7	90°	26-4106	26-4106.SC	26-4306	26-4306.SC
E	180/7	125°	26-4108	26-4108.SC	26-4308	26-4308.SC

with bar:

E 180/7 125° 26-4110 26-4110.SC

Super cut versions identified by black coated rings.



Jacobson
with or without ratchet

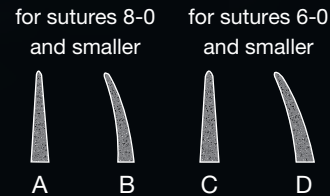


Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	
				with ratchet	without ratchet
A	230/9	R9	0.4 x 11	03-0215	03-0210
B	230/9	R9	0.4 x 11	03-0216	03-0211
C	230/9	R9	0.8 x 11	03-0225	03-0220
D	230/9	R9	0.8 x 11	03-0226	03-0221
A	180/7	R8	0.3 x 11	03-0555*	
B	180/7	R8	0.3 x 11	03-0556*	
A	205/8	R8	0.3 x 11	03-0565*	
B	205/8	R8	0.3 x 11	03-0566*	

Fig.	Length mm/"	Handle	Jaw mm	Art.-No.		Length mm/"	Handle	Jaw mm	Art.-No.		Length mm/"	Handle	Jaw mm	Art.-No.	
				with ratchet	without ratchet				with ratchet	without ratchet				with ratchet	without ratchet
A	145/5¾	R8	0.4 x 11	03-0155	03-0150	180/7	R9	0.4 x 11	03-0175	03-0170	205/8	R9	0.4 x 11	03-0195	03-0190
B	145/5¾	R8	0.4 x 11	03-0156	03-0151	180/7	R9	0.4 x 11	03-0176	03-0171	205/8	R9	0.4 x 11	03-0196	03-0191
C	145/5¾	R8	0.8 x 11	03-0165	03-0160	180/7	R9	0.8 x 11	03-0185	03-0180	205/8	R9	0.8 x 11	03-0205	03-0200
D	145/5¾	R8	0.8 x 11	03-0166	03-0161	180/7	R9	0.8 x 11	03-0186	03-0181	205/8	R9	0.8 x 11	03-0206	03-0201
C	250/10	R9	0.8 x 11	03-0227											
D	250/10	R9	0.8 x 11	03-0228											

* extra lightweight and delicate pattern



Jacobson Titanium

with or without ratchet



for sutures 8-0 and smaller for sutures 6-0 and smaller

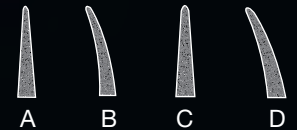


Fig.	Length mm/"	Handle	Jaw mm	Art.-No.		Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	
				with ratchet	without ratchet					with ratchet	without ratchet
A	145/5¾	R8	0.4 x 11	03-4535	03-4530	A	205/8	R8	0.4 x 11	03-4575	03-4570
B	145/5¾	R8	0.4 x 11	03-4536	03-4531	B	205/8	R8	0.4 x 11	03-4576	03-4571
C	145/5¾	R8	0.8 x 11	03-4545	03-4540	C	205/8	R8	0.8 x 11	03-4585	03-4580
D	145/5¾	R8	0.8 x 11	03-4546	03-4541	D	205/8	R8	0.8 x 11	03-4586	03-4581
A	180/7	R8	0.4 x 11	03-4555	03-4550	A	235/9¼	R8	0.4 x 11	03-4577	03-4572
B	180/7	R8	0.4 x 11	03-4556	03-4551	B	235/9¼	R8	0.4 x 11	03-4578	03-4573
C	180/7	R8	0.8 x 11	03-4565	03-4560	C	235/9¼	R8	0.8 x 11	03-4587	03-4582
D	180/7	R8	0.8 x 11	03-4566	03-4561	D	235/9¼	R8	0.8 x 11	03-4588	03-4583



Streamline with ratchet



for sutures 5-0
and smaller



for sutures 6-0
and smaller



for sutures 8-0
and smaller



Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.
A	180/7	R8.5	1.2 x 12	03-0263	A	205/8	R8.5	1.2 x 12	03-0265	A	230/9	R8.5	1.2 x 12	03-0267
B	180/7	R8.5	1.2 x 12	03-0264	A	205/8	R9	1.2 x 12	03-0265C	B	230/9	R8.5	1.2 x 12	03-0268
C	180/7	R8.5	0.8 x 12	03-0263.08	B	205/8	R8.5	1.2 x 12	03-0266	C	230/9	R8.5	0.8 x 12	03-0267.08
D	180/7	R8.5	0.8 x 12	03-0264.08	C	205/8	R8.5	0.8 x 12	03-0265.08	D	230/9	R8.5	0.8 x 12	03-0268.08
E	180/7	R8.5	0.4 x 12	03-0263.04	D	205/8	R8.5	0.8 x 12	03-0266.08	E	230/9	R8.5	0.4 x 12	03-0267.04
F	180/7	R8.5	0.4 x 12	03-0264.04	E	205/8	R8.5	0.4 x 12	03-0265.04	F	230/9	R8.5	0.4 x 12	03-0268.04
					F	205/8	R8.5	0.4 x 12	03-0266.04					



Streamline Titanium

with or without ratchet



for sutures 8-0
and smaller

for sutures 6-0
and smaller

for sutures 5-0
and smaller



Fig.	Length mm / "	Handle	Jaw mm	Art.-No.		Length mm / "	Handle	Jaw mm	Art.-No.		Length mm / "	Handle	Jaw mm	Art.-No.	
				with ratchet	without ratchet				with ratchet	without ratchet				with ratchet	without ratchet
A	180/7	R8	0.4 x 12	03-4625.04	03-4620.04	200/8	R8	0.4 x 12	03-4635.04	03-4630.04	250/10	R9	0.4 x 12	03-4645.04	
B	180/7	R8	0.4 x 12	03-4626.04	03-4621.04	200/8	R8	0.4 x 12	03-4636.04	03-4631.04	250/10	R9	0.4 x 12	03-4646.04	
C	180/7	R8	0.8 x 12	03-4625.08	03-4620.08	200/8	R8	0.8 x 12	03-4635.08	03-4630.08	250/10	R9	0.8 x 12	03-4645.08	03-4640.08
D	180/7	R8	0.8 x 12	03-4626.08	03-4621.08	200/8	R8	0.8 x 12	03-4636.08	03-4631.08	250/10	R9	0.8 x 12	03-4646.08	03-4641.08
E	180/7	R8	1.2 x 12	03-4625	03-04620	200/8	R8	1.2 x 12	03-4635	03-4630	250/10	R9	1.2 x 12	03-4645	03-4640
F	180/7	R8	1.2 x 12	03-4626	03-04621	200/8	R8	1.2 x 12	03-4636	03-4631	250/10	R9	1.2 x 12	03-4646	03-4641
E						230/8	R8	1.2 x 1.2	03-4642	03-4637	300/12	R9	1.2 x 12	03-4655	03-4650
F						230/8	R8	1.2 x 1.2	03-4643	03-4638	300/12	R9	1.2 x 12	03-4656	03-4651



Coronary

with or without ratchet, large handle, duckbill jaw



for sutures 5-0
and smaller

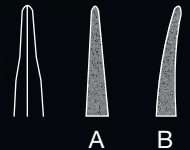


Fig.	Length mm/“	Handle	Jaw mm	Art.-No. Steel		Art.-No. Titanium	
				with ratchet	without ratchet	with ratchet	without ratchet
A	180/7	R10	1.2 x 12	03-0135	03-0130	03-4605	03-4600
B	180/7	R10	1.2 x 12	03-0136	03-0131	03-4606	03-4601
A	210/8¼	R10	1.2 x 12	03-0137		03-4615	03-4610
B	210/8¼	R10	1.2 x 12	03-0138		03-4616	03-4611
A	230/9	R10	1.2 x 12	03-0137.23			
B	230/9	R10	1.2 x 12	03-0138.23			



Heavy Streamline with ratchet



for sutures 2-0
and smaller

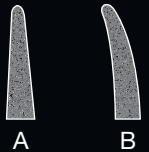


Fig.	Length mm /"	Handle	Jaw mm	Art.-No. Steel	Art.-No. TC-inserts	Art.-No. Titanium
A	190/7½	R10	2.0 x 18	03-0300	03-0300.TC	03-4665
B	190/7½	R10	2.0 x 18	03-0301	03-0301.TC	03-4666
A	230/9	R10	2.0 x 18	03-0310	03-0310.TC	03-4685
B	230/9	R10	2.0 x 18	03-0311	03-0311.TC	03-4686
A	250/10	R10	2.0 x 18	03-0320	03-0320.TC	03-4695
B	250/10	R10	2.0 x 18	03-0321	03-0321.TC	03-4696
A	300/12	R10	2.0 x 18	03-0330		
B	300/12	R10	2.0 x 18	03-0331		

Models with TC-inserts identified by gold plated spring ends.



Jacobson Soft Touch

with more sensitive soft ratchet



for sutures 8-0
and smaller



for sutures 6-0
and smaller



for sutures 5-0
and smaller



Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.
A	180/7	R8	0.4 x 11	03-0502	A	205/8	R8	0.4 x 11	03-0512
B	180/7	R8	0.4 x 11	03-0507	B	205/8	R8	0.4 x 11	03-0517
C	180/7	R8	0.8 x 11	03-0501	C	205/8	R8	0.8 x 11	03-0511
D	180/7	R8	0.8 x 11	03-0506	D	205/8	R8	0.8 x 11	03-0516
E	180/7	R8	1.2 x 11	03-0500	E	205/8	R8	1.2 x 11	03-0510
F	180/7	R8	1.2 x 11	03-0505	F	205/8	R8	1.2 x 11	03-0515



Castroviejo
Giannini
with ratchet



for sutures 5-0 and smaller for sutures 6-0 and smaller

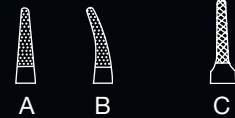


Fig.	Length mm/"	Jaw Insert pitch mm	Art.-No.	Fig.	Length mm/"	Jaw Insert pitch mm	Art.-No.	Fig.	Length mm/"	Jaw Insert pitch mm	Art.-No.
A	140/5½	Micro TC (0.2)	24-0220	A	210/8¼	Micro TC (0.2)	24-0228	A	210/8¼	Fine TC (0.4)	24-0248
B	140/5½	Micro TC (0.2)	24-0221	B	210/8¼	Micro TC (0.2)	24-0229	B	210/8¼	Fine TC (0.4)	24-0249
C	140/5½	Micro TC (0.2)	03-0290	C	210/8¼	Micro TC (0.2)	03-0292	Giannini long pattern:			
A	180/7	Micro TC (0.2)	24-0224	A	140/5½	Fine TC (0.4)	24-0240	A	240/9½	Micro TC (0.2)	24-0255
B	180/7	Micro TC (0.2)	24-0225	B	140/5½	Fine TC (0.4)	24-0241				
C	180/7	Micro TC (0.2)	03-0291	A	180/7	Fine TC (0.4)	24-0244				
				B	180/7	Fine TC (0.4)	24-0245				



Jacobson with ratchet



for sutures 8-0
and smaller

for sutures 6-0
and smaller

for sutures 5-0
and smaller



A

B

C

D

E

F

Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.
A	180/7	Flat	0.4 x 11	03-0230	A	215/8¼	Flat	0.4 x 11	03-0240	A	235/9¼	Flat	0.4 x 11	03-0250
B	180/7	Flat	0.4 x 11	03-0231	B	215/8¼	Flat	0.4 x 11	03-0241	B	235/9¼	Flat	0.4 x 11	03-0251
C	180/7	Flat	0.8 x 11	03-0230.08	C	215/8¼	Flat	0.8 x 11	03-0240.08	C	235/9¼	Flat	0.8 x 11	03-0250.08
D	180/7	Flat	0.8 x 11	03-0231.08	D	215/8¼	Flat	0.8 x 11	03-0241.08	D	235/9¼	Flat	0.8 x 11	03-0251.08
E	180/7	Flat	1.2 x 11	03-0230.12	E	215/8¼	Flat	1.2 x 11	03-0240.12	E	235/9¼	Flat	1.2 x 11	03-0250.12
F	180/7	Flat	1.2 x 11	03-0231.12	F	215/8¼	Flat	1.2 x 11	03-0241.12	F	235/9¼	Flat	1.2 x 11	03-0251.12



Jacobson

with ratchet, flat knurled handle



for sutures 5-0
and smaller



A



B



C



D

for sutures 6-0
and smaller

Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.
A	190/7½	Flat	1.2 x 11	03-0255	A	210/8¼	Flat	1.2 x 11	03-0257
B	190/7½	Flat	1.2 x 11	03-0256	B	210/8¼	Flat	1.2 x 11	03-0258
C	190/7½	Flat	0.8 x 11	03-0255.08	C	210/8¼	Flat	0.8 x 11	03-0257.08
D	190/7½	Flat	0.8 x 11	03-0256.08	D	210/8¼	Flat	0.8 x 11	03-0258.08



Jacobson Titanium with ratchet



for sutures 8-0
and smaller



for sutures 6-0
and smaller



for sutures 5-0
and smaller



Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.	Fig.	Length mm/"	Handle	Jaw mm	Art.-No.
A	180/7	Flat	0.4 x 11	03-4590	A	205/8	Flat	0.4 x 11	03-4592	A	235/9¼	Flat	0.4 x 11	03-4594
B	180/7	Flat	0.4 x 11	03-4591	B	205/8	Flat	0.4 x 11	03-4593	B	235/9¼	Flat	0.4 x 11	03-4595
C	180/7	Flat	0.8 x 11	03-4590.08	C	205/8	Flat	0.8 x 11	03-4592.08	C	235/9¼	Flat	0.8 x 11	03-4594.08
D	180/7	Flat	0.8 x 11	03-4591.08	D	205/8	Flat	0.8 x 11	03-4593.08	D	235/9¼	Flat	0.8 x 11	03-4595.08
E	180/7	Flat	1.2 x 11	03-4590.12	E	205/8	Flat	1.2 x 11	03-4592.12	E	235/9¼	Flat	1.2 x 11	03-4594.12
F	180/7	Flat	1.2 x 11	03-4591.12	F	205/8	Flat	1.2 x 11	03-4593.12	F	235/9¼	Flat	1.2 x 11	03-4595.12



Geister-Vascular

For a secure but gentle grip of needles and sutures without damage in General Surgery, Cardiovascular Surgery, Plastic Surgery, Urology



Fig.	Length mm / "	Art.-No.	Fig.	Length mm / "	Art.-No.
A	130 / 5	24-0496	B	130 / 5	24-0497
	165 / 6¼	24-0498		165 / 6¼	24-0499
	180 / 7	24-0500		180 / 7	24-0501
	190 / 7½	24-0502		190 / 7½	24-0503
	230 / 9	24-0504		230 / 9	24-0505



Geister-Vascular Titanium

For a secure but gentle grip of needles and sutures without damage in General Surgery, Cardiovascular Surgery, Plastic Surgery, Urology



A

Fig.	Length mm/“	Art.-No.
A	125 / 4½	24-0530
	145 / 5½	24-0532
	175 / 6½	24-0534
	195 / 7½	24-0536
	225 / 8½	24-0538



Tying
with platform



Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②
A	150/6	0.4 x 6	-	10-3550		A	210/8¼	0.4 x 6	-	10-3570	10-3870	B	230/9	0.8 x 6	-	10-3586	
B	150/6	0.4 x 6	-	10-3555		B	210/8¼	0.4 x 6	-	10-3575	10-3875	A	250/10	0.4 x 6	-	10-3590	
C	150/6	0.4 x 6	1 x 2	10-3552		A	210/8¼	0.8 x 6	-	10-3571	10-3871	B	250/10	0.4 x 6	-	10-3595	
A	180/7	0.4 x 6	-	10-3560	10-3860	B	210/8¼	0.8 x 6	-	10-3576	10-3876	A	250/10	0.8 x 6	-	10-3591	
B	180/7	0.4 x 6	-	10-3565	10-3865	C	210/8¼	0.4 x 6	1 x 2	10-3572		B	250/10	0.8 x 6	-	10-3596	
A	180/7	0.8 x 6	-	10-3561	10-3861	C	210/8¼	0.8 x 6	1 x 2	10-3573							
B	180/7	0.8 x 6	-	10-3566	10-3866	A	230/9	0.4 x 6	-	10-3580							
C	180/7	0.4 x 6	1 x 2	10-3562		B	230/9	0.4 x 6	-	10-3585							
C	180/7	0.8 x 6	1 x 2	10-3563		A	230/9	0.8 x 6	-	10-3581							



Tying
without platform



Also available
not counterbalanced



Fig.	Length mm/"	Jaw mm	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Jaw mm	Art.-No. ①	Art.-No. ②
A	150/6	0.4	10-3510		A	210/8¼	0.4	10-3530	10-3830
A	150/6	0.8	10-3511		B	210/8¼	0.4	10-3535	10-3835
A	180/7	0.4	10-3520	10-3820	A	210/8¼	0.8	10-3531	10-3831
B	180/7	0.4	10-3525	10-3825	B	210/8¼	0.8	10-3536	10-3836
A	180/7	0.8	10-3521	10-3821					
B	180/7	0.8	10-3526	10-3826					



Ring Tip



Fig.	Length mm / "	Ring Ø mm	Art.-No. ①	Art.-No. ②	Fig.	Length mm / "	Ring Ø mm	Art.-No. ①	Art.-No. ②
A	150/6	1.3 x 2.0	10-3615	10-3915	B	210/8¼	0.5 x 1.0	10-3630	10-3930
A	180/7	1.3 x 2.0	10-3625	10-3925	B	230/9	0.5 x 1.0	10-3640	10-3940
A	210/8¼	1.3 x 2.0	10-3635	10-3935	B	250/10	0.5 x 1.0	10-3646	10-3946
A	230/9	1.3 x 2.0	10-3645	10-3945	C	180/7	0.5 x 1.0	10-3621	
A	250/10	1.3 x 2.0	10-3647	10-3947	C	210/8¼	0.5 x 1.0	10-3631	
B	150/6	0.5 x 1.0	10-3610	10-3910	C	230/9	0.5 x 1.0	10-3641	
B	180/7	0.5 x 1.0	10-3620	10-3920	D	180/7	0.5 x 1.0	10-3620D	10-3920D



Ring Tip Titanium

counter balanced



Fig.	Length mm / "	Ring Ø mm	Art.-No.
B	180/7	0.5 x 1.0	10-4000
B	210/8¼	0.5 x 1.0	10-4001
B	230/9	0.5 x 1.0	10-4002
B	250/10	0.5 x 1.0	10-4003



Ring Tip Titanium



SAPPHIRE™

 Enhanced Needle Grip Surface

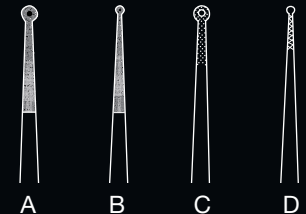
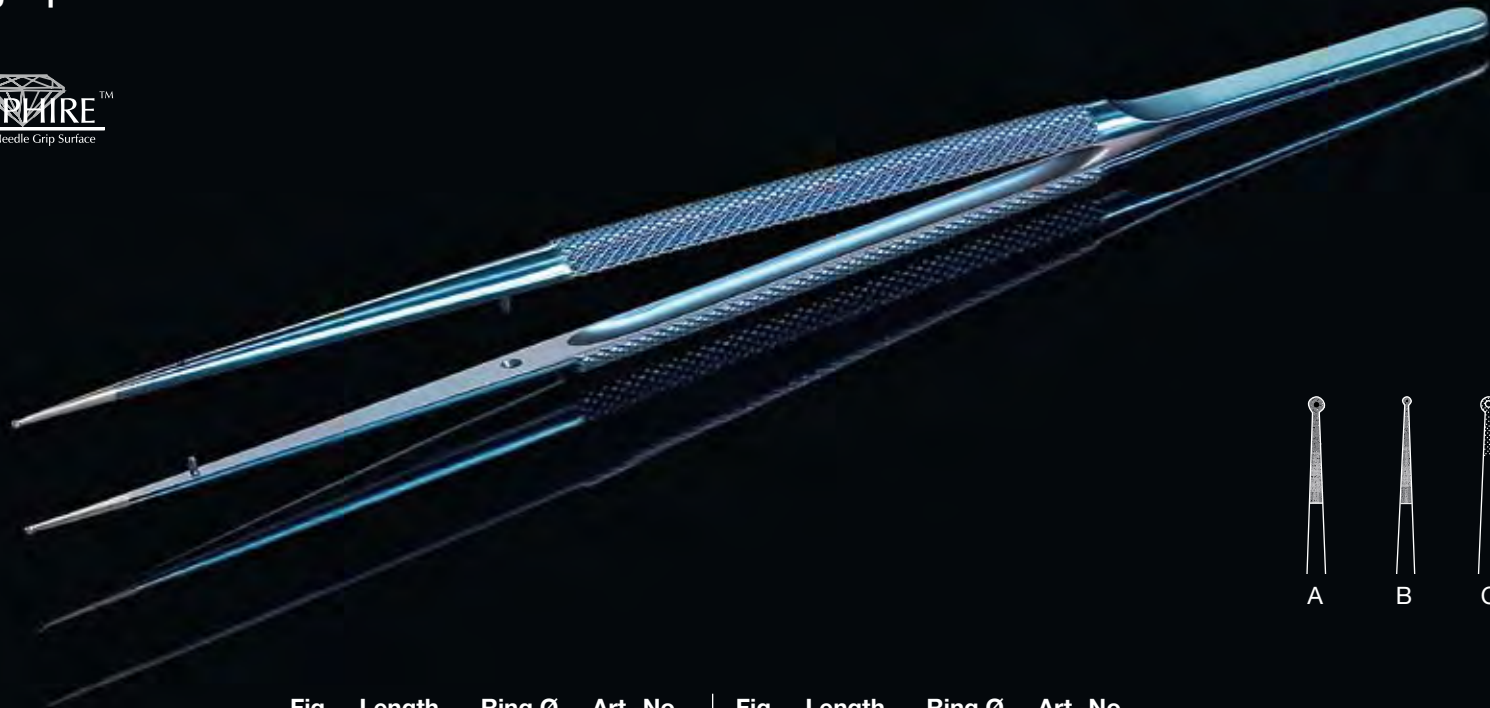


Fig.	Length mm / "	Ring Ø mm	Art.-No.	Fig.	Length mm / "	Ring Ø mm	Art.-No.
A	150/6	1.3 x 2.0	10-4011	B	150/6	0.5 x 1.0	10-4021
A	180/7	1.3 x 2.0	10-4013	B	180/7	0.5 x 1.0	10-4023
A	210/8¼	1.3 x 2.0	10-4031	B	210/8¼	0.5 x 1.0	10-4033
C	150/6	1.3 x 2.0	10-4015*	D	150/6	0.5 x 1.0	10-4026*
C	180/7	1.3 x 2.0	10-4016*	D	180/7	0.5 x 1.0	10-4026*

* ring serrated, without SAPPHIRE™
(Fig.C and D)

Please add ".GB" behind Art.-No. for
curved version (e.g. 10-4023.GB)



DeBakey



Also available not
counterbalanced

Fig.	Length mm / "	Jaw mm	Art.-No. ①	Art.-No. ②	Fig.	Length mm / "	Jaw mm	Art.-No. ①	Art.-No. ②
A	150/6	1.0	10-3410	10-3710	A	230/9	1.0	10-3440	
A	180/7	1.0	10-3420	10-3720	B	230/9	1.0	10-3445	
B	180/7	1.0	10-3425	10-3725	for needle pulling:				
A	210/8¼	1.0	10-3430	10-3730	C	180/7	1.5	10-3649	
B	210/8¼	1.0	10-3435	10-3735	C	180/7	2.0	10-3650	



DeBakey Titanium



Fig.	Length mm / "	Jaw mm	Art.-No.	Fig.	Length mm / "	Jaw mm	Art.-No.
A	150/6	1.0	10-4090	A	210/8¼	1.0	10-4100
B	150/6	1.0	10-4091	B	210/8¼	1.0	10-4101
A	180/7	1.0	10-4095	C	210/8¼	1.8	10-4102
B	180/7	1.0	10-4096				
C	180/7	1.8	10-4098				
D	180/7	1.8	10-4099				



- Totally new look and feel
- Lasting stainless steel framework structure
- Innovative modular construction
- Ergonomic round shell handles with perforations
- ultra-lightweight, comparable to the weight of titanium instruments
- Excellent haptic and unmatched precise control
- Easy cleaning and maintenance
- Optional choice of nylon color coding or surface traction coating of handle

Optional nylon color coding:

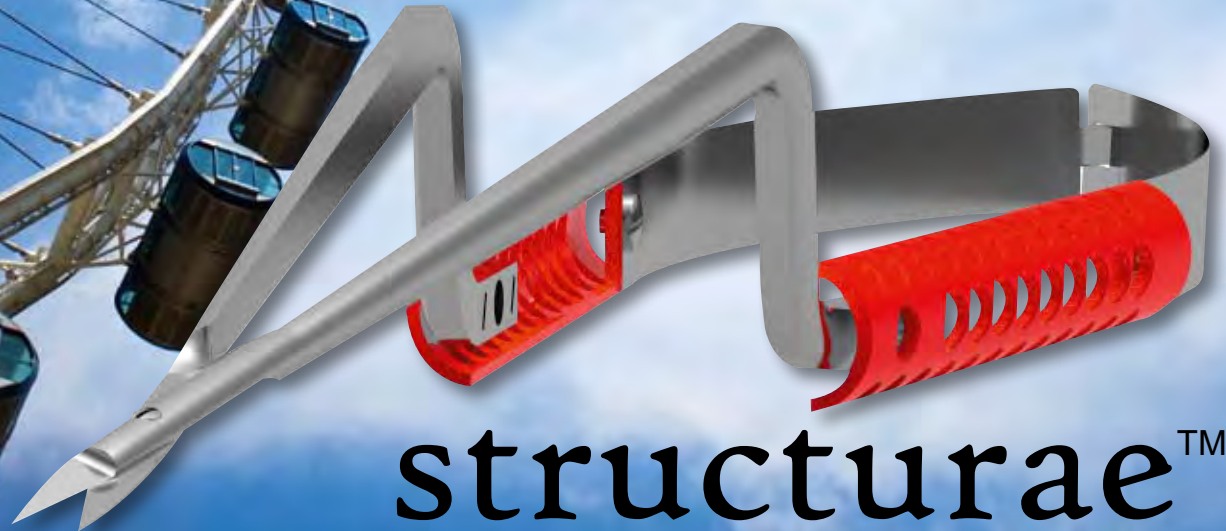
black handle	blue handle	lilac handle	red handle	white handle	yellow handle
XX-XXXX/N	XX-XXXX/B	XX-XXXX/P	XX-XXXX/R	XX-XXXX/W	XX-XXXX/Y

Black + White Special Edition
XX-XXXX/WK

German Colors Special Edition
XX-XXXX/RKG

Optional surface traction coating:

41-XXXX/T traction handle



structurae™

Structurae™ Coronary Scissors



03-1133



03-1133/RKG
German Colors
Special Editon



03-1133/WK
Black & White
Special Editon



03-1133/R
Red Handle



03-1131
25°



03-1133
45°



03-1135
60°



03-1137
90°



03-1139
125°



03-1139V
125° V-neck


Structurae™ Micro Tissue Forceps

ultra-lightweight

41-3200	0.8 mm 18 cm straight
41-3201	0.4 mm 18 cm straight
41-3202	0.2 mm 18 cm straight
41-3205	1 x 2 t. 0.8 mm 18 cm straight
41-3206	1 x 2 t. 0.8 mm 18 cm curved
41-3207	1 x 2 t. 1.2 mm 18 cm straight

Structurae™ Bayonet Micro Tissue Forceps

ultra-lightweight

41-3208	0.8 mm 20 cm
41-3209	0.4 mm 20 cm
41-3210	0.8 mm 22 cm
41-3211	0.4 mm 22 cm
41-3215	0.8 mm 24 cm
41-3216	0.4 mm 24 cm

Structurae™ Bayonet Tumour Grasping Forceps

ultra-lightweight

41-3228	2.5 mm 21 cm
41-3229	3.5 mm 21 cm
41-3230	2.5 mm 24 cm
41-3231	3.5 mm 24 cm
41-3240	2.5 mm 21 cm serrated
41-3241	3.5 mm 21 cm serrated
41-3245	2.5 mm 24 cm serrated
41-3246	3.5 mm 24 cm serrated

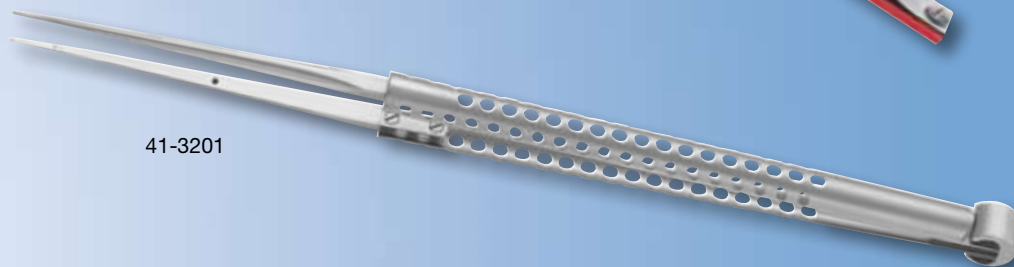
Structurae™ Hepp-Scheidel Needle Holder

ultra-lightweight

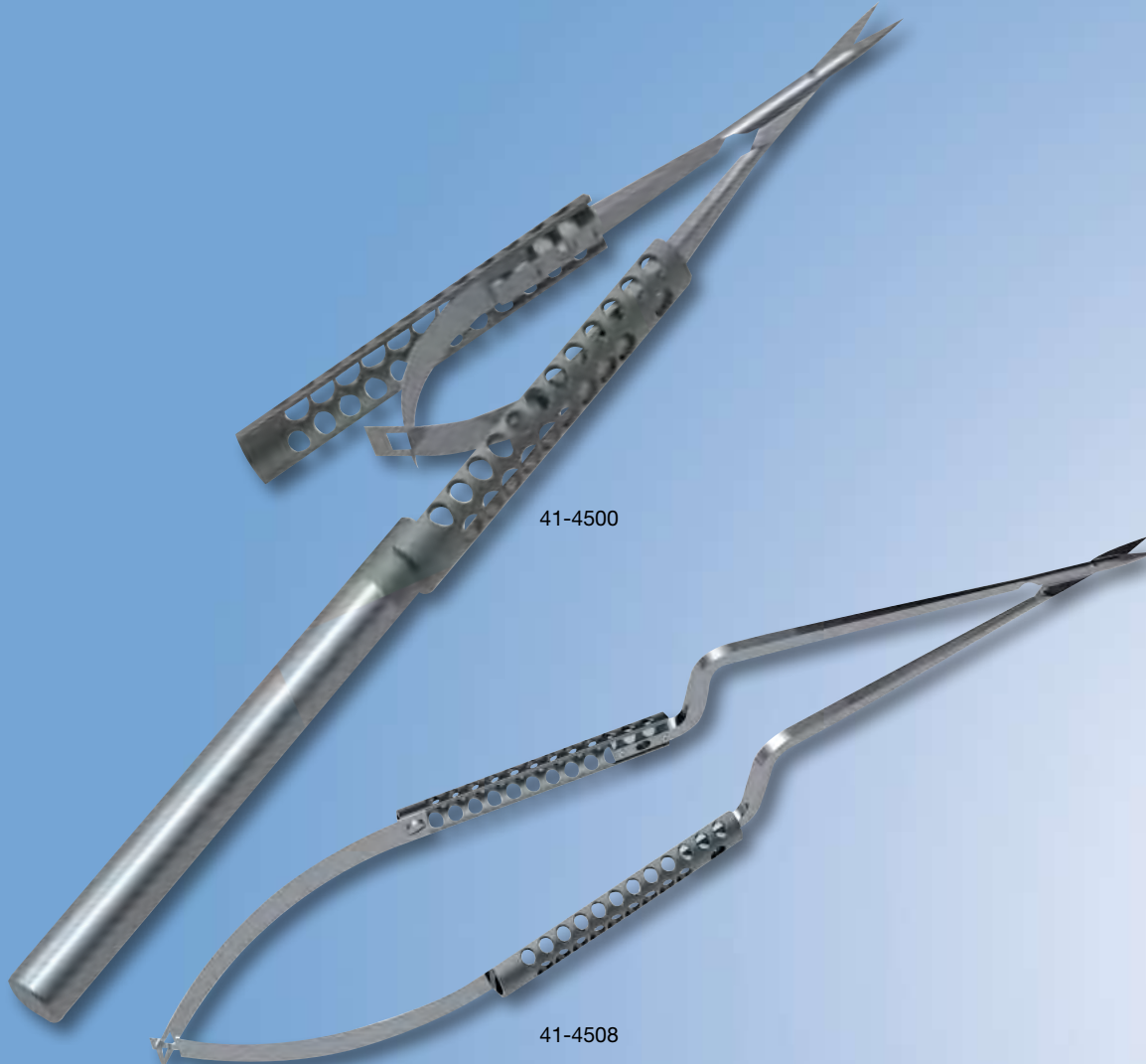
03-3300	18 cm 1.2 mm straight
03-3300.02	18 cm 0.2 mm straight
03-3300.04	18 cm 0.4 mm straight
03-3300.08	18 cm 0.8 mm straight



03-3300/R



41-3201



41-4500

41-4508

Structurae™ One Finger-Micro Scissors

ultra-lightweight

41-4500	17 cm straight
41-4501	17 cm curved
41-4502	20 cm straight
41-4503	20 cm curved

Structurae™ One Finger-Micro Needle Holders

ultra-lightweight

41-2200	17 cm straight
41-2201	17 cm curved
41-2202	20 cm straight
41-2203	20 cm curved

Structurae™ Bayonet Micro-Scissors

ultra-lightweight

41-4506	20 cm straight
41-4507	20 cm curved
41-4508	22 cm straight
41-4509	22 cm curved
41-4510	24 cm straight
41-4511	24 cm curved
41-4515	27 cm straight
41-4516	27 cm curved

Structurae™ Bayonet Micro-Needle Holder

ultra-lightweight

41-2205	20 cm straight
41-2206	20 cm curved
41-2207	22 cm straight
41-2208	22 cm curved
41-2210	24 cm straight
41-2211	24 cm curved



75-1000



75-1001



75-1101



- Ultra-fine instruments for micro vessel-, nerve- and hand-surgery
- Maximum control and precision through ergonomic perforated handle
- Perfect balance and firm position in the hand through stabilization rod
- Even lighter than most titanium instruments

Structurae™ Nano Tying Forceps

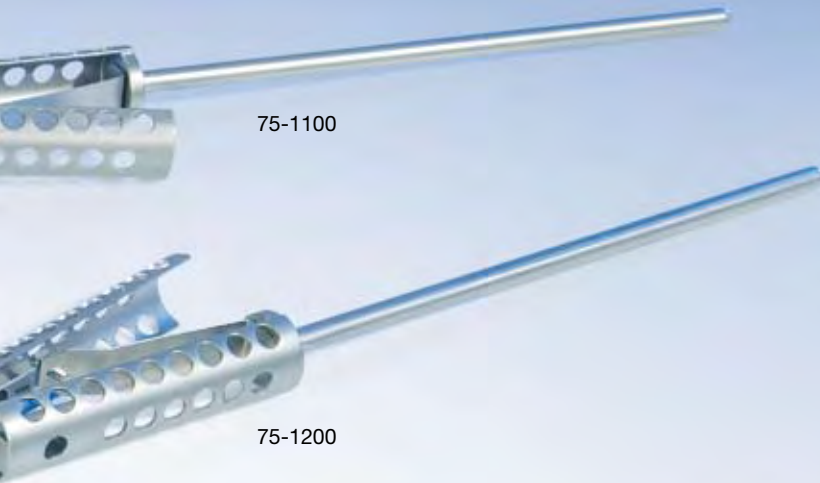
75-1000	15 cm straight
75-1001	15 cm curved

Structurae™ Nano Scissors

75-1100	15 cm straight
75-1101	15 cm curved

Structurae™ Nano Needle Holders

75-1200	15 cm straight
75-1201	15 cm curved



75-1100

75-1200

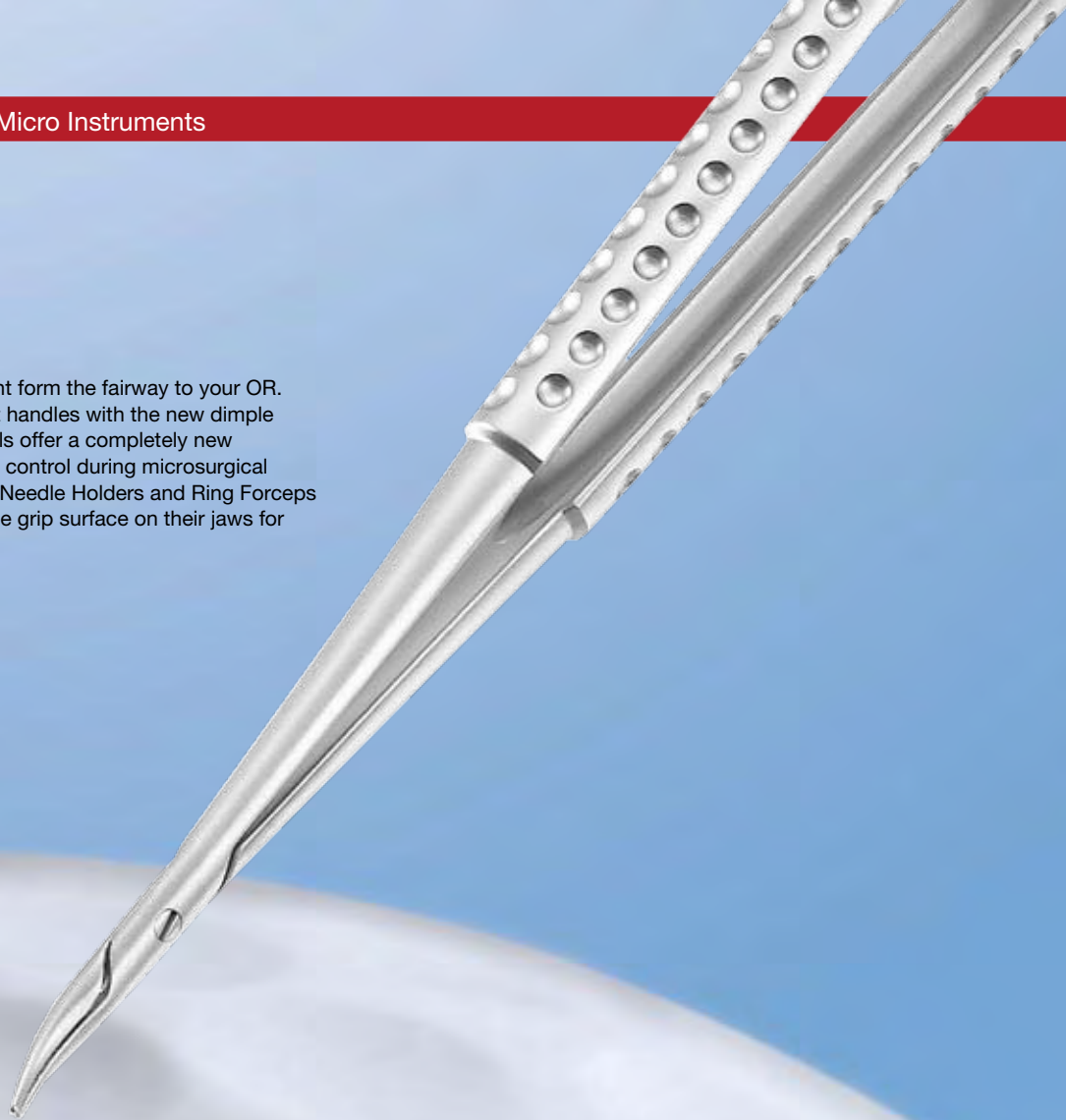




Fairgrip™

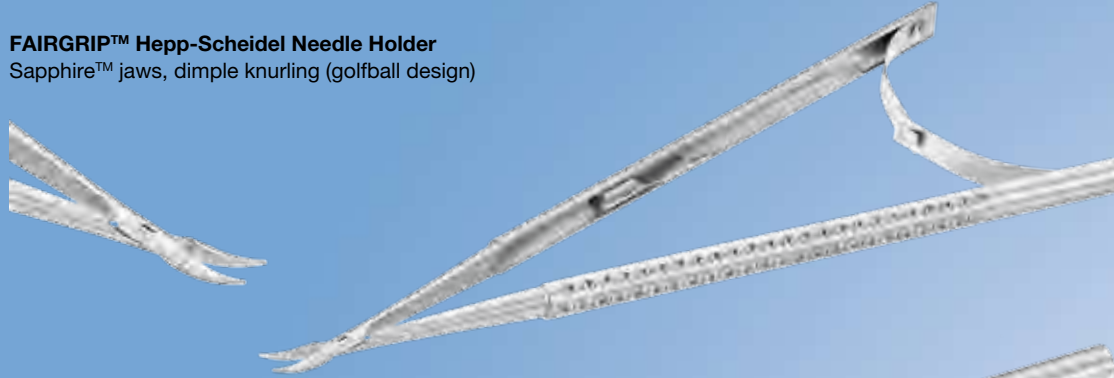
Get in touch with FAIRGRIP™.

Unmatched feel and control are brought from the fairway to your OR. The FAIRGRIP™ ergonomic instrument handles with the new dimple knurling similar to the design of golfballs offer a completely new experience of precision, sensitivity and control during microsurgical operations and help to reduce fatigue. Needle Holders and Ring Forceps feature the Sapphire™ enhanced needle grip surface on their jaws for the most secure needle grip.




FAIRGRIP™ Hepp-Scheidel Needle Holder

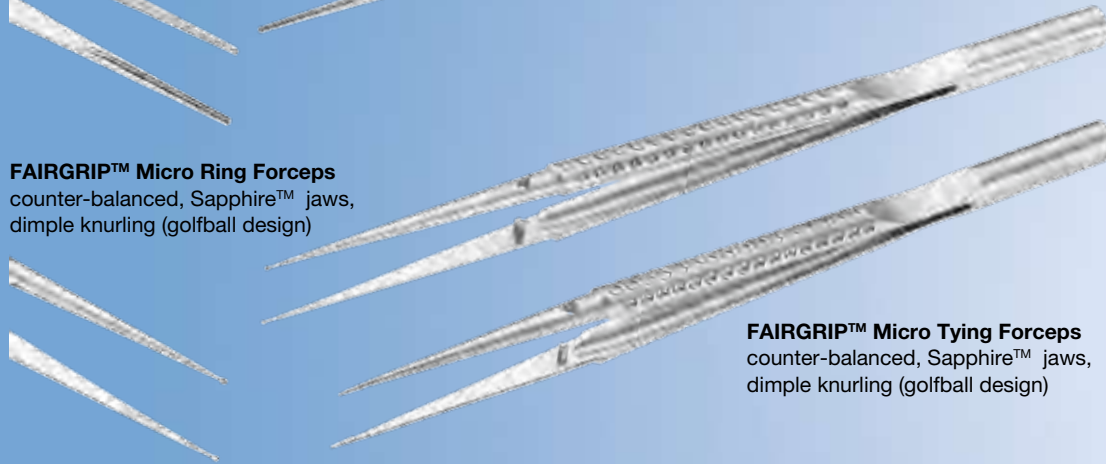
Sapphire™ jaws, dimple knurling (golfball design)


FAIRGRIP™ Micro DeBakey Forceps

counter-balanced, dimple knurling (golfball design)


FAIRGRIP™ Micro Ring Forceps

counter-balanced, Sapphire™ jaws, dimple knurling (golfball design)


FAIRGRIP™ Micro Tying Forceps
 counter-balanced, Sapphire™ jaws,
 dimple knurling (golfball design)

FAIRGRIP™ Hepp-Scheidel Needle Holder

 1.2 mm tip recommended for needles 5-0 and smaller,
 0.8 mm tip recommended for needles 6-0 and smaller,
 0.4 mm tip recommended for needles 8-0 and smaller.

03-0272	1.2 mm tip	18 cm	straight
03-0272.08	0.8 mm tip	18 cm	straight
03-0272.04	0.4 mm tip	18 cm	straight
03-0273	1.2 mm tip	18 cm	curved
03-0273.08	0.8 mm tip	18 cm	curved
03-0273.04	0.4 mm tip	18 cm	curved

FAIRGRIP™ Micro DeBakey Forceps

10-6120	1.0 mm tip	18 cm	straight
10-6122	1.0 mm tip	21 cm	straight

FAIRGRIP™ Micro Ring Forceps

10-6110	0.5 x 1.0 mm tip	18 cm	straight
10-6112	0.5 x 1.0 mm tip	21 cm	straight

FAIRGRIP™ Micro Tying Forceps (platform)

10-6130	0.8 mm tip	18 cm	straight
10-6131	0.4 mm tip	18 cm	straight
10-6132	0.8 mm tip	21 cm	straight
10-6133	0.4 mm tip	21 cm	straight
10-6140	0.8 mm tip 1x2t.	18 cm	straight
10-6141	0.4 mm tip 1x2t.	18 cm	straight



Basic Micro Set and Nerve Repair Set





Our Basic Micro Set equips the surgeon with the basic instruments for most micro surgery procedures.

Basic Micro Set:

03-0055	Adventitia Scissors RH 15 cm straight, short jaw
03-0056	Dissecting Scissors RH 15 cm curved, short jaw
03-0111	Micro Needle Holder RH 15 cm straight, without lock
03-0112	Micro Needle Holder RH 15 cm curved, without lock
10-3226	Suture Tying Forceps 15 cm straight
10-3227	Suture Tying Forceps 15 cm curved
10-3215	Jeweller's Forceps 11 cm straight (2 each recommended)
10-3200	Vessel Dilator Forceps 11 cm 10° 0.2 mm smooth jaws
75-0072	Clamp Applying Forceps Fig. 1-2 without catch
75-0325	Ven. Plain Single Clamps #4 1.5-3.5 mm (pair)
75-0398	Ven. Plain Single Clamps #2 0.6-1.5 mm (pair)
75-0400	Ven. Plain Single Clamps #3 1.0-2.25 mm (pair)
77-0104	Micro Instrument Container 300x220x50 mm
77-9017	Clamp Box 70x45 mm

The reduced Nerve Repair Set is suitable for Nerve and Tendon repair.

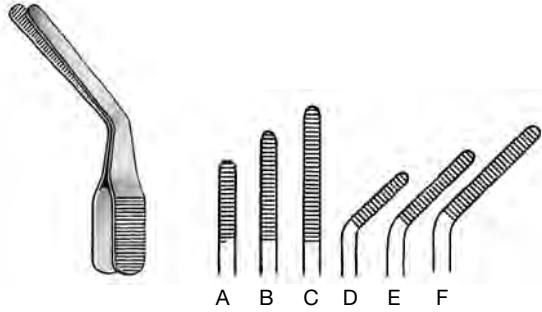
Nerve Repair Set:

03-0060	Adventitia Scissors FH 15 cm straight, long jaw
03-0112	Micro Needle Holder RH 15 cm curved, without lock
10-3215	Jeweller's Forceps 11 cm straight (2 each)
77-0101	Micro Instrument Container 220x165x50 mm





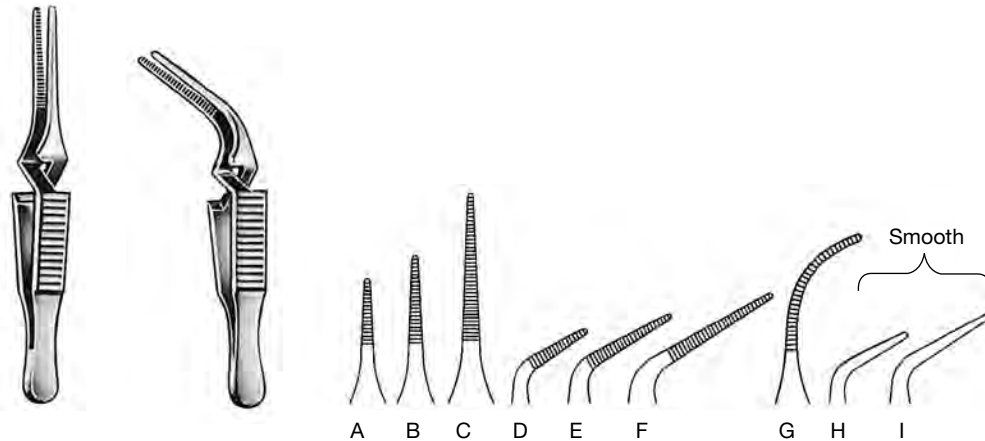
Featherlight



Featherlight

	Length mm/''	Jaw mm	Weight g	Closing Pressure g	Art.-No.
A	31/1 ¼	10	1.0	30	20-0200
B	35/1 ¼	14	1.0	30	20-0204
C	39/1 ½	18	1.0	30	20-0208
D	30/1 ¼	10	1.0	30	20-0210
E	33/1 ¼	14	1.0	30	20-0214
F	36/1 ¼	18	1.0	30	20-0218

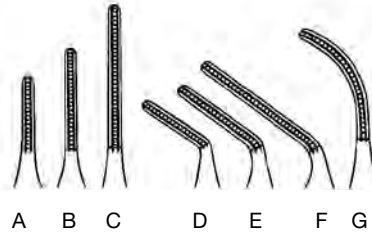
Diethrich



Diethrich

A	49/2	8	3.0	180	STRONG	20-0270
B	53/2	12	3.0	180		20-0271
C	59/2 ¼	20	3.0	180		20-0272
D	43/1 ½	8	3.0	180		20-0280
E	45/1 ½	12	3.0	180		20-0281
F	50/2	20	3.0	180		20-0282
G	54/2	20	3.0	180	STANDARD	20-0283
H	43/1 ½	13	3.0	180		20-0285
I	49/2	18	3.0	180		20-0286
A	49/2	8	3.0	80	STANDARD	20-0300
B	53/2	12	3.0	80		20-0301
C	59/2 ¼	20	3.0	80		20-0302
D	43/1 ½	8	3.0	80		20-0310
E	45/1 ½	12	3.0	80		20-0311
F	50/2	20	3.0	80		20-0312
G	54/2	20	3.0	80		20-0313
H	43/1 ½	13	3.0	80		20-0315
I	49/2	18	3.0	80		20-0316

DeBakey-Diethrich



DeBakey-Diethrich

	Length mm/”	Jaw mm	Weight g	Closing Pressure g	Art.-No.
A	47/2	10	3.0	180	20-0318
B	51/2	14	3.0	180	20-0320
C	57/2¼	20	3.0	180	20-0322
D	44/1½	10	3.0	180	20-0319
E	46/1½	14	3.0	180	20-0321
F	49/2	20	3.0	180	20-0323
G	54/2	20	3.0	180	20-0324

Wickham

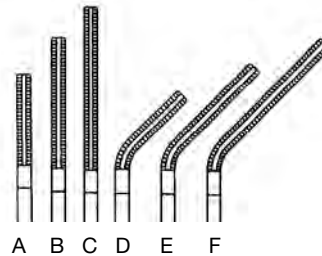
A	50/2	12	3.0	150	20-0340
B	54/2	16	3.0	150	20-0341
C	58/2¼	21	3.0	150	20-0342
D	47/2	12	3.0	150	20-0345
E	50/2	16	3.0	150	20-0346
F	53/2	21	3.0	150	20-0347

Wickham

Applying Forceps

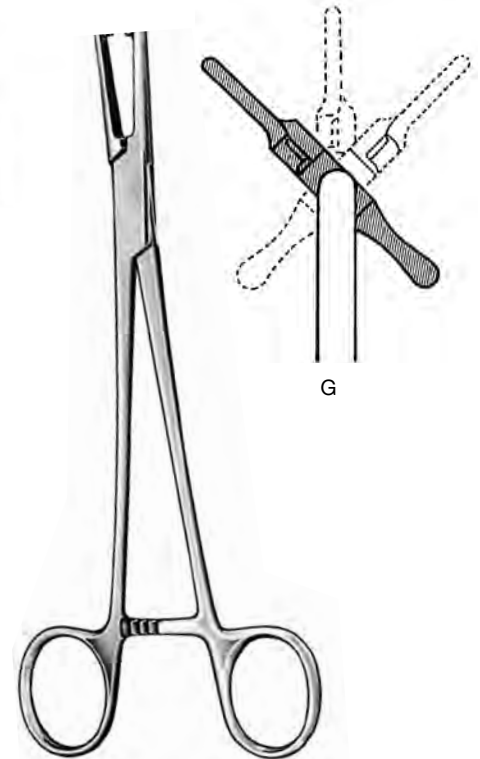
G	230/9				20-0349
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Wickham

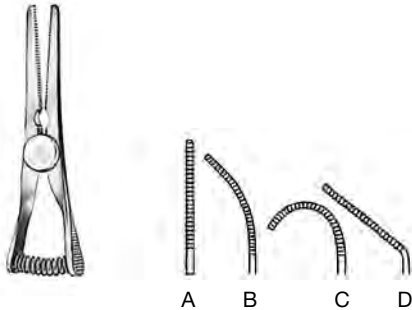


Wickham

Applying Forceps

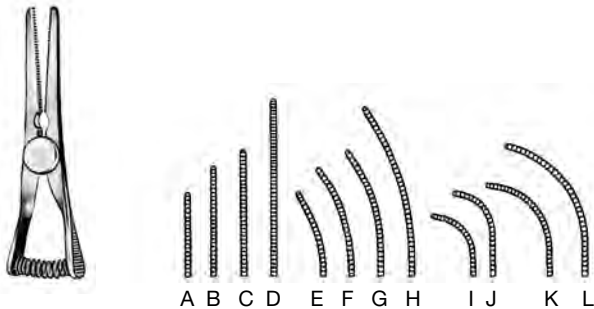


Weldon (Mini-Glover)



Titanium (Mini-Glover)

Available with low occlusion pressure (approx. 110 g)
for veins [marked with V] and high occlusion pressure
(approx. 220 g) for arteries [marked with A].



Weldon (Mini-Glover)

Fig.	Overall length mm/''	Jaw mm	Weight g	Art.-No.
A	35/1 ¼	14	1.2	20-0400
B	35/1 ¼	14	1.2	20-0401
C	35/1 ¼	14	1.2	20-0402
D	35/1 ¼	14	1.2	20-0403
A	45/1 ½	17	1.6	20-0405
B	45/1 ½	17	1.6	20-0406

Titanium (Mini-Glover)

Fig.	Overall length mm/''	Jaw mm	Weight g	Type	Art.-No.
A	30/1 ¼	11	0.8	V	20-5450
A	30/1 ¼	11	0.8	A	20-5451
B	35/1 ¼	15	0.8	V	20-5452
B	35/1 ¼	15	0.8	A	20-5453
C	40/1 ½	17	0.8	V	20-5454
C	40/1 ½	17	0.8	A	20-5455
D	50/2	24	0.8	V	20-5456
D	50/2	24	0.8	A	20-5457
E	30/1 ¼	11	0.8	V	20-5460
E	30/1 ¼	11	0.8	A	20-5461
F	35/1 ¼	15	0.8	V	20-5462
F	35/1 ¼	15	0.8	A	20-5463
G	40/1 ½	17	0.8	V	20-5464
G	40/1 ½	17	0.8	A	20-5465
H	50/2	24	0.8	V	20-5466
H	50/2	24	0.8	A	20-5467
I	30/1 ¼	11	0.8	V	20-5470
I	30/1 ¼	11	0.8	A	20-5471
J	35/1 ¼	15	0.8	V	20-5472
J	35/1 ¼	15	0.8	A	20-5473
K	40/1 ½	17	0.8	V	20-5474
K	40/1 ½	17	0.8	A	20-5475
L	50/2	24	0.8	V	20-5476
L	50/2	24	0.8	A	20-5477

Applying and Removing Forceps 23cm/9'' (not illustrated) 20-5440

Glover (delicate)

Jacobsen Micro

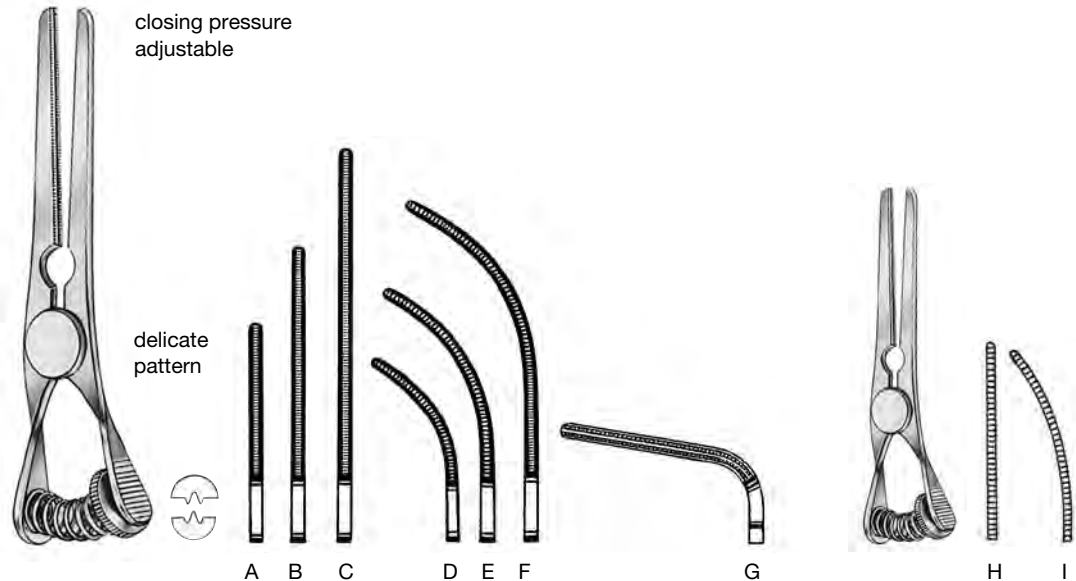
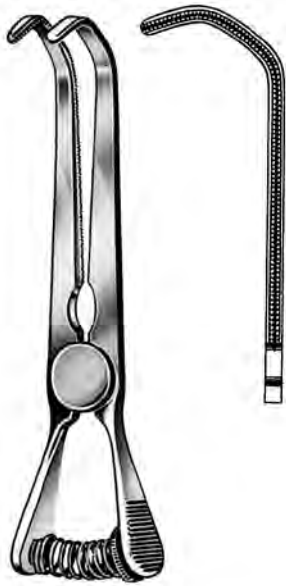
**Glover (delicate)**

Fig.	Overall length mm/''	Jaw mm	Weight g	Art.-No.
A	50/2	20	5.0	20-0380
B	68/2½	30	9.0	20-0381
C	85/3	43	12.0	20-0382
D	46/1½	20	5.0	20-0390
E	64/2¼	30	9.0	20-0391
F	78/3	43	12.0	20-0392
G	55/2	25	7.0	20-0395

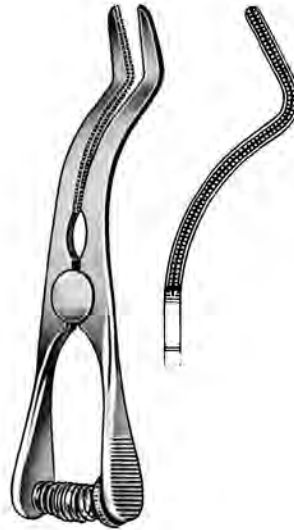
Jacobsen Micro

	Length	Art.-No.
H	50 mm/2''	20-0460
I	50 mm/2''	20-0461

Satinsky



Carotid



Satinsky

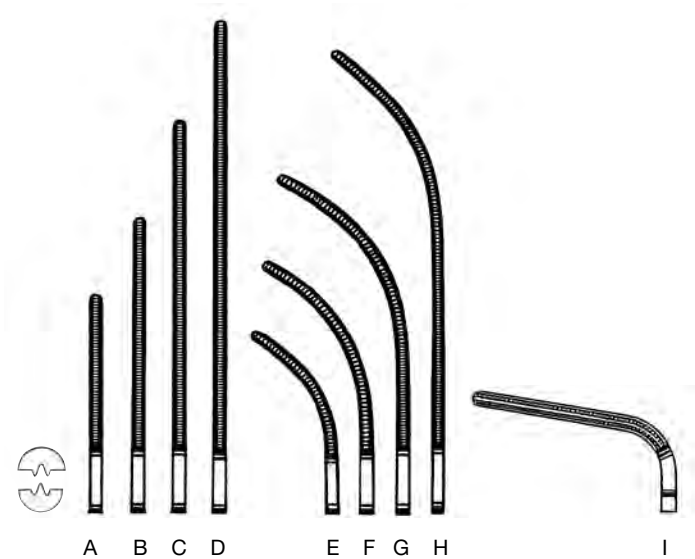
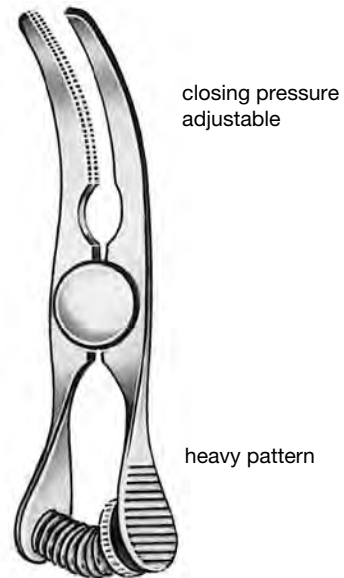


Satinsky	
Length	Art.-No.
100 mm/4''	20-0421

Carotid	
Length	Art.-No.
90 mm/3½''	20-0422

Satinsky	
Length	Art.-No.
55 mm/2''	20-0419
65 mm/2¼''	20-0420

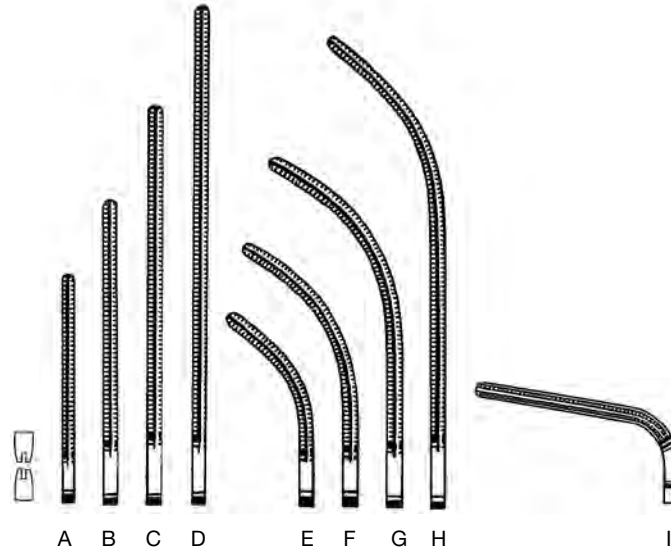
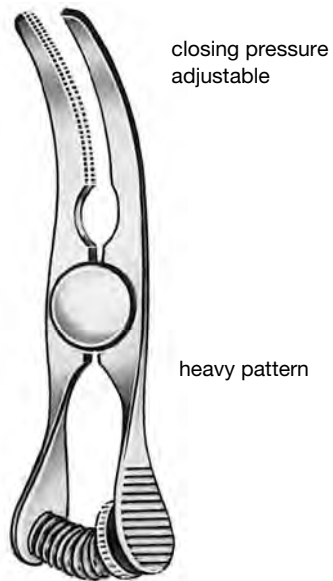
DeBakey-Glover



DeBakey-Glover

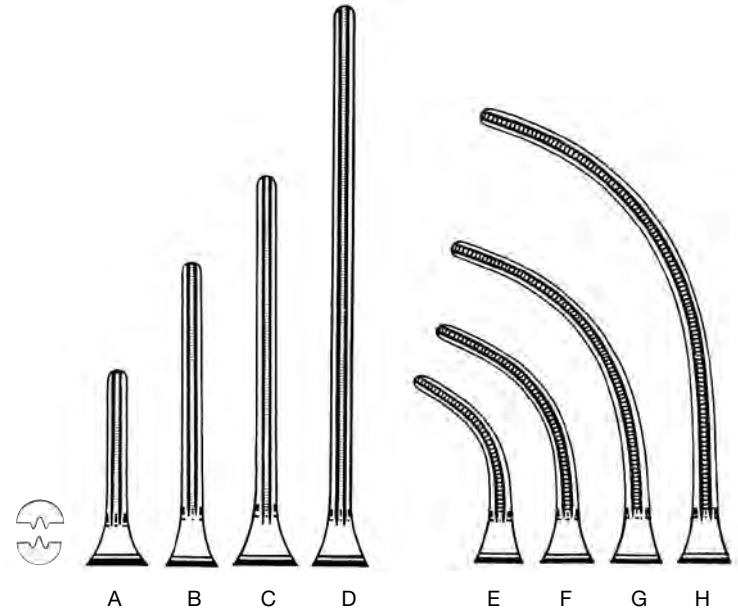
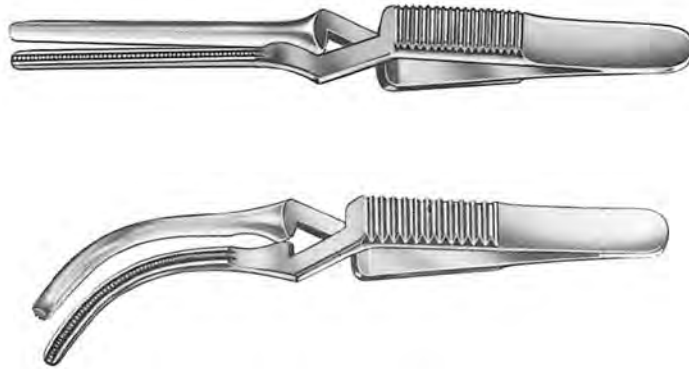
Fig.	Overall length mm/”	Jaw mm	Art.-No.
A	70/2½	20	20-0450
B	80/3	30	20-0451
C	95/3½	43	20-0452
D	115/4¼	56	20-0453
E	65/2¼	20	20-0455
F	75/2½	30	20-0456
G	85/3	43	20-0457
H	105/4	56	20-0458
I	55/2	27	20-0459

Cooley-Glover



Cooley-Glover			Art.-No.
Fig.	Overall length mm/''	Jaw mm	
A	70/2½	20	20-0440
B	80/3	30	20-0441
C	95/3½	43	20-0442
D	115/4¼	56	20-0443
E	65/2¼	20	20-0445
F	75/2½	30	20-0446
G	85/3	43	20-0447
H	105/4	56	20-0448
I	55/2	27	20-0449

DeBakey



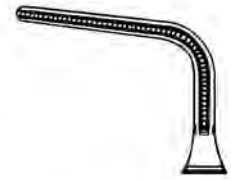
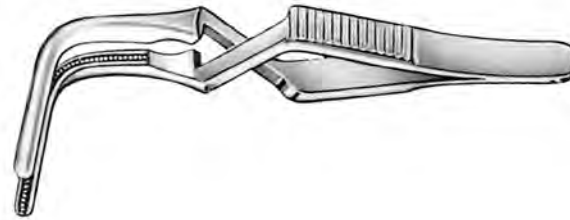
DeBakey

Fig.	Overall length mm/”	Jaw mm	Art.-No. Steel	Art.-No. Titanium
A	80/3	20	20-0350	20-0350.TI
B	90/3 ½	30	20-0351	20-0351.TI
C	105/4	45	20-0352	20-0352.TI
D	125/4 ½	68	20-0353	20-0353.TI
E	75/2 ½	20	20-0360	20-0360.TI
F	85/3	30	20-0361	20-0361.TI
G	95/3 ½	45	20-0362	20-0362.TI
H	115/4 ¼	68	20-0363	20-0363.TI

Santulli

I	70/2 ½	30	20-0375
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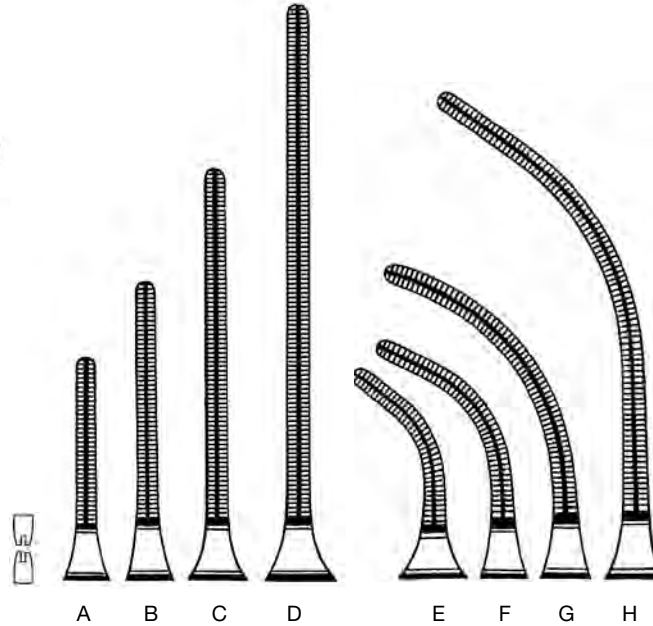
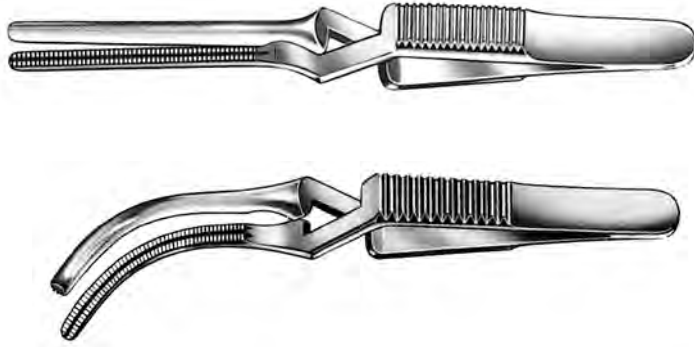
Santulli



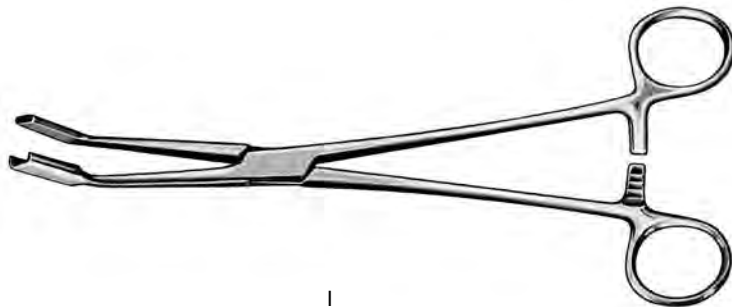
I



Cooley



Applying Forceps
for cross-action bulldog clamps



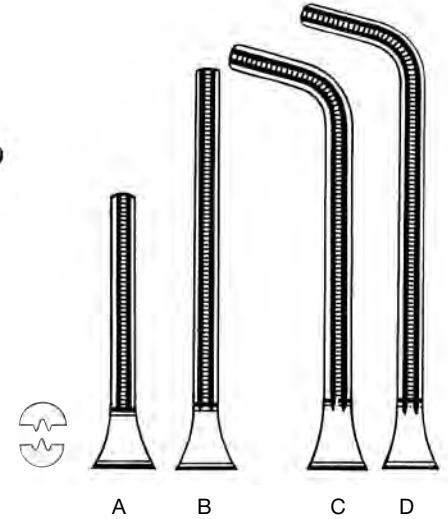
Cooley

Fig.	Overall length mm/''	Jaw mm	Art.-No.
A	80/3	20	20-0330
B	90/3½	30	20-0331
C	105/4	45	20-0332
D	125/4½	68	20-0333
E	75/2½	20	20-0336
F	85/3	30	20-0337
G	95/3½	45	20-0338
H	115/4¼	68	20-0339

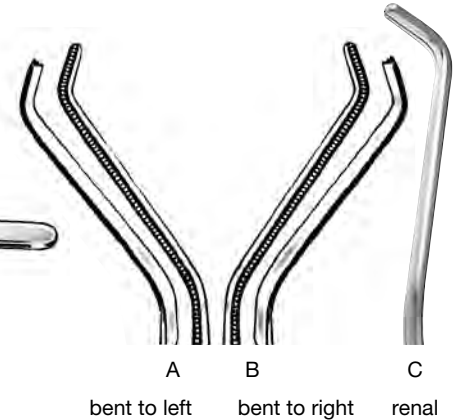
Applying Forceps
for cross-action bulldog clamps

I	240/9½	20-0378
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Gregory "Soft" (Carotid)



Modified Gregory "Soft"



Gregory "Soft" (Carotid)

Fig.	Overall length mm/"	Jaw mm	Art.-No.
A	90/3½	27	20-0370
B	110/4¼	44	20-0371
C	105/4	55	20-0372
D	110/4¼	60	20-0373

Modified Gregory "Soft"

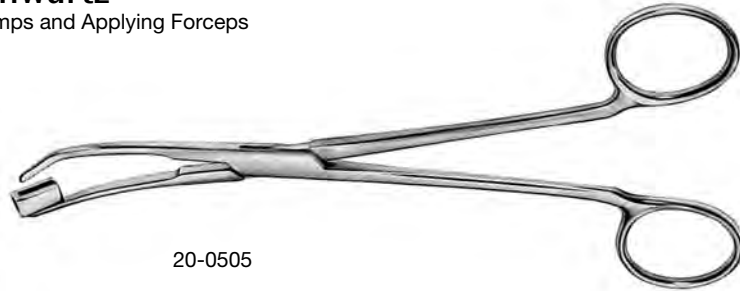
A	110/4¼	60	20-0376
B	110/4¼	60	20-0377
C	125/4½	70	20-0374

Bulldog Clamps

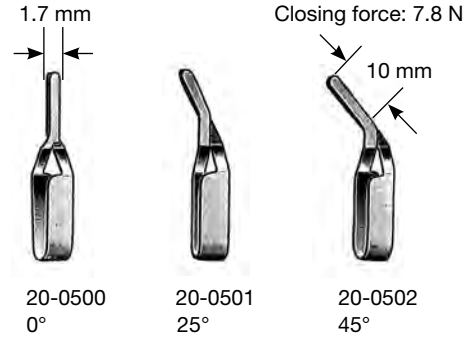


Schwartz

Clamps and Applying Forceps

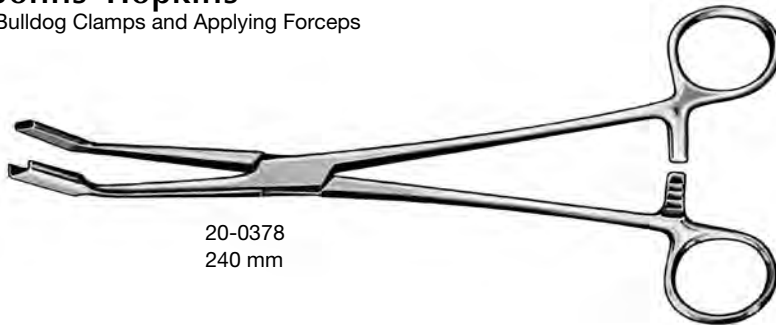


20-0505

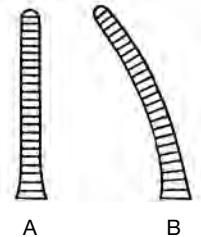


Johns-Hopkins

Bulldog Clamps and Applying Forceps



20-0378
240 mm



Wolf

Coronary Intima Vein Protection Bulldog



35 mm/1 1/4" 20-5000

For pressure controlled preparation of the saphenous vein for aortocoronary bypass, opens at approx. 80 mm HG and protects intima from pressure loading.

Johns-Hopkins Bulldog Clamps and Applying Forceps Length

	A	B
38 mm/1 1/4"	20-0610	20-0620
51 mm/2"	20-0611	20-0621
57 mm/2 1/4"	20-0612	20-0622
63 mm/2 1/2"	20-0613	20-0623
70 mm/2 3/4"	20-0614	20-0624
75 mm/2 1/2"	20-0615	20-0625
90 mm/3 1/2"	20-0616	20-0626



Bulldog Clamps

Shunt



10°



25°



45°



60°

Mohr

Glue Application Bulldog



Shunt

Ø	Length	10°	25°	45°	60°
10 Fr.	8 cm/3"	20-0480	20-0481	20-0482	20-0483
12 Fr.	8 cm/3"	20-0485.12	20-0486.12	20-0487.12	20-0488.12
14 Fr.	8 cm/3"	20-0485.14	20-0486.14	20-0487.14	20-0488.14

Mohr

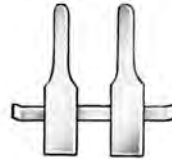
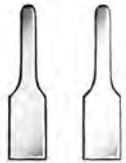
Glue Application Bulldog

20-5100	Smooth cup, 9 cm/3½"
20-5100.01	
20-5100.02	
20-5102	Smooth cup, 13 cm/5"
20-5100.AR	Outer cup serrated, 9 cm/3½"

Used for application of gelatine glue during aortic dissection and fixation of the layers. Malleable cups allow for adjustment to vessel diameter.



Micro Vascular Clamps



Plain

A = for arteries, V = for veins

Fig.	Single Clamps (pair)		Approximator without frame, movable		Vessel Size with frame, movable		Length	
	A	V	A	V	A	V		
1	75-0397	75-0396	75-0415	75-0414	75-0409	75-0408	0.4 – 1.0 mm	8 mm
2	75-0399	75-0398	75-0417	75-0416	75-0411	75-0410	0.6 – 1.5 mm	11 mm
3	75-0401	75-0400	75-0419	75-0418	75-0413	75-0412	1.0 – 2.2 mm	17 mm
4			75-0325		75-0326		1.5 – 3.5 mm	24 mm
5			75-0286		75-0287		2.0 – 5.0 mm	36 mm
Black								
1	75-0461	75-0462	75-0479	75-0480	75-0473	75-0474	0.4 – 1.0 mm	8 mm
2	75-0463	75-0464	75-0481	75-0482	75-0475	75-0476	0.6 – 1.5 mm	11 mm
3	75-0465	75-0466	75-0483	75-0484	75-0477	75-0478	1.0 – 2.2 mm	17 mm
4			75-0329		75-0330		1.5 – 3.5 mm	24 mm
5			75-0327		75-0328		2.0 – 5.0 mm	36 mm
Applying Forceps	Fig. 1-2	75-0071 with catch		75-0072 without catch				
	Fig. 3-4	75-0073 with catch		75-0074 without catch				



Temporary Vessel Clamps

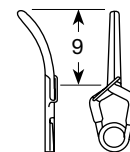
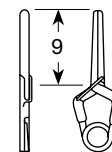
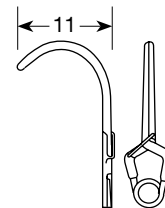
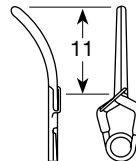
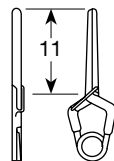
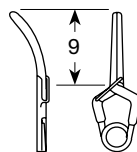
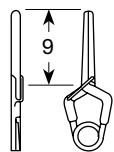


Temporary Vessel Clamps

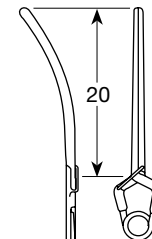
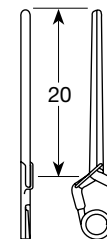
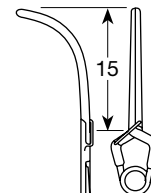
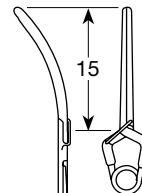
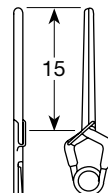
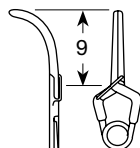


Yasargil-type Standard

Applying Forceps
41-5500

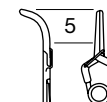
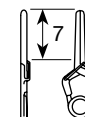
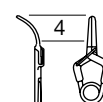
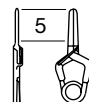


Stainless Steel	41-5012	41-5014	41-5022	41-5024	41-5054	41-5112	41-5114
Titanium	41-5012.TI	41-5014.TI	41-5022.TI	41-5024.TI	41-5054.TI	41-5112.TI	41-5114.TI
max. opening	7.0 mm	6.8 mm	7.8 mm	7.5 mm	6.2 mm	7.0 mm	6.8 mm
Force	180 gms	180 gms	180 gms	180 gms	180 gms	90 gms	90 gms



Stainless Steel	41-5116	41-5128	41-5130	41-5132	41-5134	41-5136
Titanium	41-5116.TI	41-5128.TI	41-5130.TI	41-5132.TI	41-5134.TI	41-5136.TI
max. opening	6.1 mm	9.2 mm	8.7 mm	7.4 mm	11.4 mm	11.0 mm
Force	110 gms	90 gms	110 gms	110 gms	110 gms	90 gms

Mini



Stainless Steel	41-5300	41-5306	41-5308	41-5320	41-5322	41-5324
Titanium	41-5300.TI	41-5306.TI	41-5308.TI	41-5320.TI	41-5322.TI	41-5324.TI
max. opening	3.3 mm	4.0 mm	3.8 mm	4.6 mm	4.4 mm	4.0 mm
Force	50 gms	50 gms	50 gms	70 gms	70 gms	70 gms





Micro Vessel Clamps (temporary)

Biemer

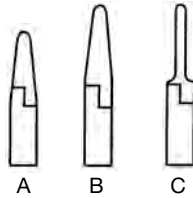


Fig.	Jaw opening mm	Jaw length mm	Closing force g	Vessel Size mm	Art.-No.
A	4.0	6.0	30 – 40	0.5 – 2.0	41-5600
B	5.0	9.0	30 – 40	0.5 – 2.0	41-5602
C	5.0	9.0	20 – 25	0.5 – 2.0	41-5604

Applying Forceps Fig. A 41-5610 without catch, 14 cm/5½''
Fig. B, C 41-5612 with catch, 14 cm/5½''

Mehdorn

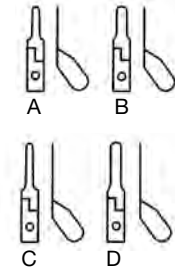


Fig.	Jaw length mm	Closing force g	Vessel Size mm	Art.-No.
A	4.0 x 1.0	10 – 15	0.5 – 1.5	41-5665
B	4.0 x 1.0	15 – 20	0.5 – 1.5	41-5666
C	6.0 x 1.4	10 – 15	0.5 – 1.5	41-5667
D	6.0 x 1.4	15 – 20	0.5 – 1.5	41-5668

Applying Forceps Fig. A – D 41-5669 without catch, 15 cm/6''
The position of the clip in the Applying Forceps can be varied.

Biemer-Mueller

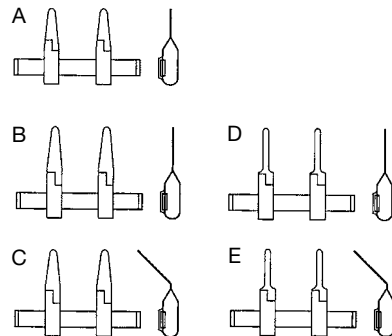


Fig.	Jaw opening mm	Jaw length mm	Closing force g	Vessel Size mm	Art.-No.
A	3.0	4.5	30 – 40	0.5 – 2.0	41-5605
B	5.0	9.0	30 – 40	0.5 – 2.0	41-5606
C	5.0	9.0	30 – 40	0.5 – 2.0	41-5607
D	5.0	9.0	30 – 40	0.5 – 2.0	41-5608
E	5.0	9.0	30 – 40	0.5 – 2.0	41-5609

Applying Forceps Fig. A 41-5610 without catch, 14 cm/5½''
Fig. B – E 41-5612 with catch, 14 cm/5½''

Mueller

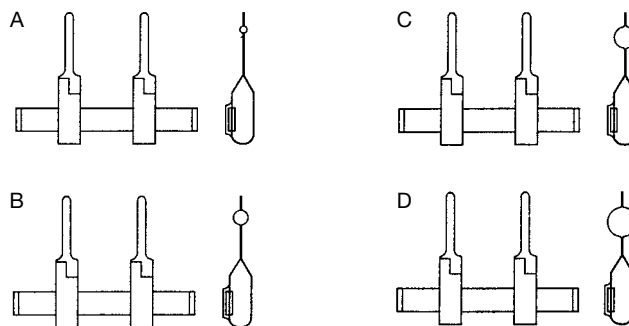
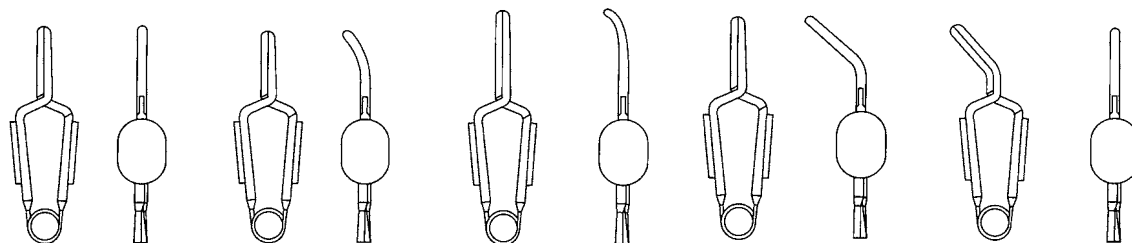


Fig.	Diameter mm	Closing force g	Vessel Size mm	Art.-No.
A	1.0	25 - 30	0.5 - 2.0	41-5621
B	2.0	25 - 30	0.5 - 2.0	41-5622
C	3.0	25 - 30	0.5 - 2.0	41-5623
D	4.0	25 - 30	0.5 - 2.0	41-5624

Applying Forceps Fig. A 41-5610 without catch, 14 cm/5½"
Fig. B - D 41-5612 with catch, 14 cm/5½"



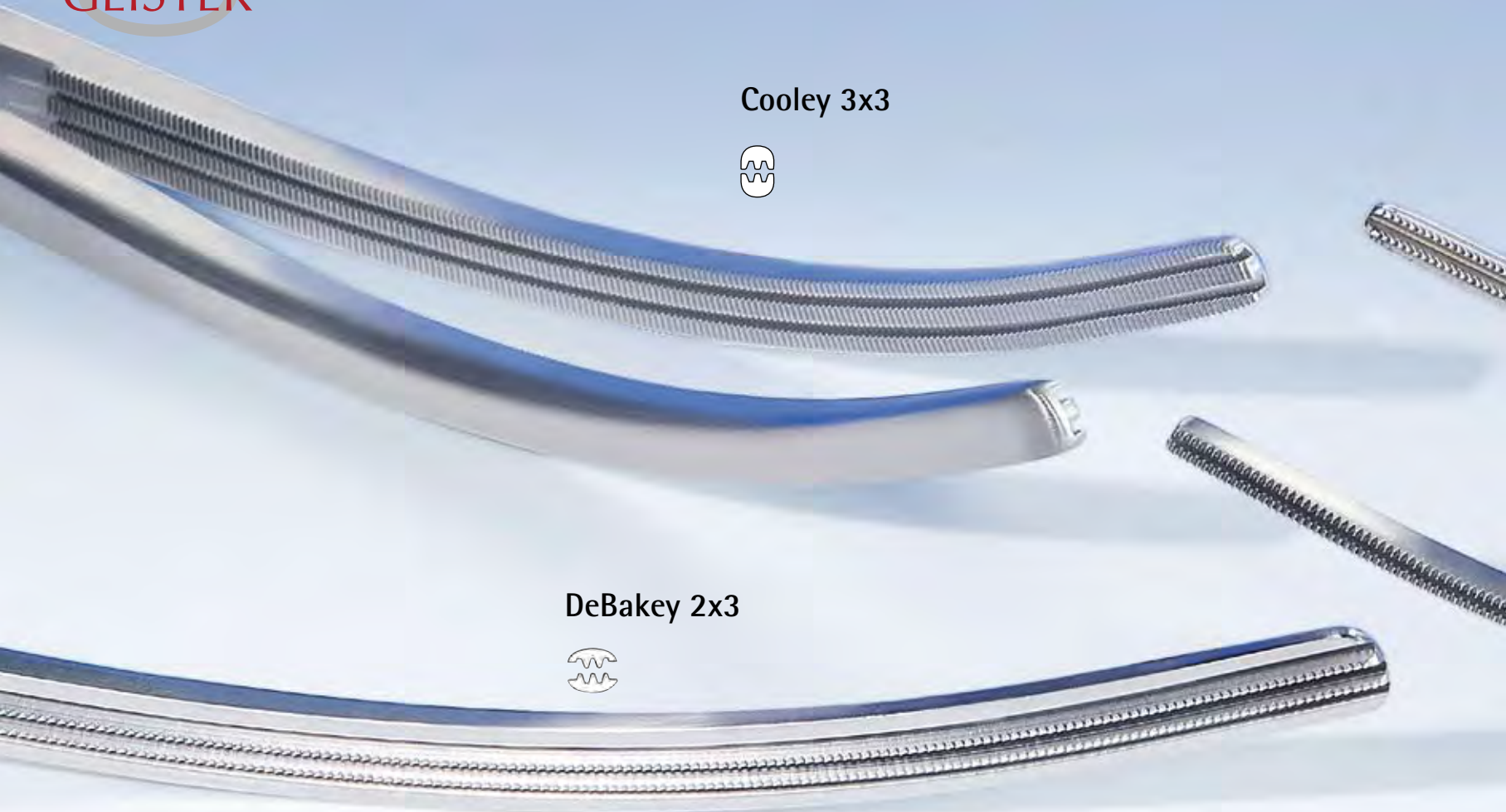
Art.-No.	Straight		Curved		Tips curved		Angled		Knee-bent	
	41-5650	41-5651	41-5652	41-5653	41-5654	41-5655	41-5656	41-5657	41-5658	41-5659
Closing Force	50 g	80 g	50 g	80 g	50 g	80 g	50 g	80 g	50 g	80 g



Cooley 3x3



DeBakey 2x3





DeBakey 1x2



Cooley 2x2



Every GEISTER® vascular clamp is aligned and checked by our skilled instrument masters by hand to achieve the sensitive feel and desired pressure so crucial to the surgeon. Precision ratchets with multiple steps provide the proper control and right compression required for secure clamping with less danger of crushing. Multiple jaw configurations, dimensions and curvatures are available. Our atraumatic DeBakey serrations with 1x2 or wider 2x3 teeth rows, or atraumatic Cooley serrations with 2x2 or wider 3x3 rows have since many years been widely used by hospitals throughout the world for aortic cross clamping, peripheral vascular surgery, aortic or partial occlusion, carotid femoral and popliteal artery clamping, A.V. Fistulas and other procedures. Special narrow models and variations are available for finest vessels of neonates, infants and children.



Cooley 2 x 2



straight shanks



DeBakey 1 x 2



curved shanks



Cooley 3 x 3



angled shanks

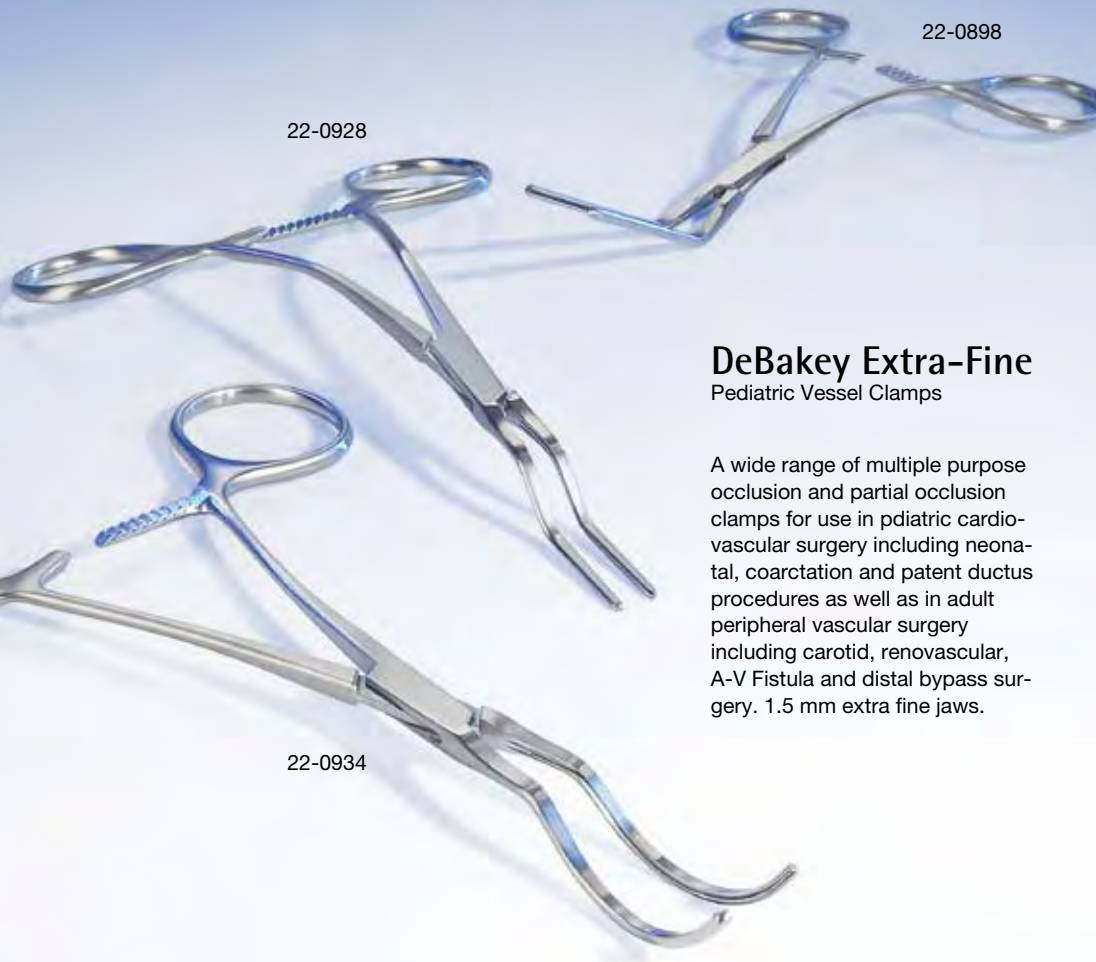


DeBakey 2 x 3



graduated jaws

Stainless Steel or [Titanium](#)

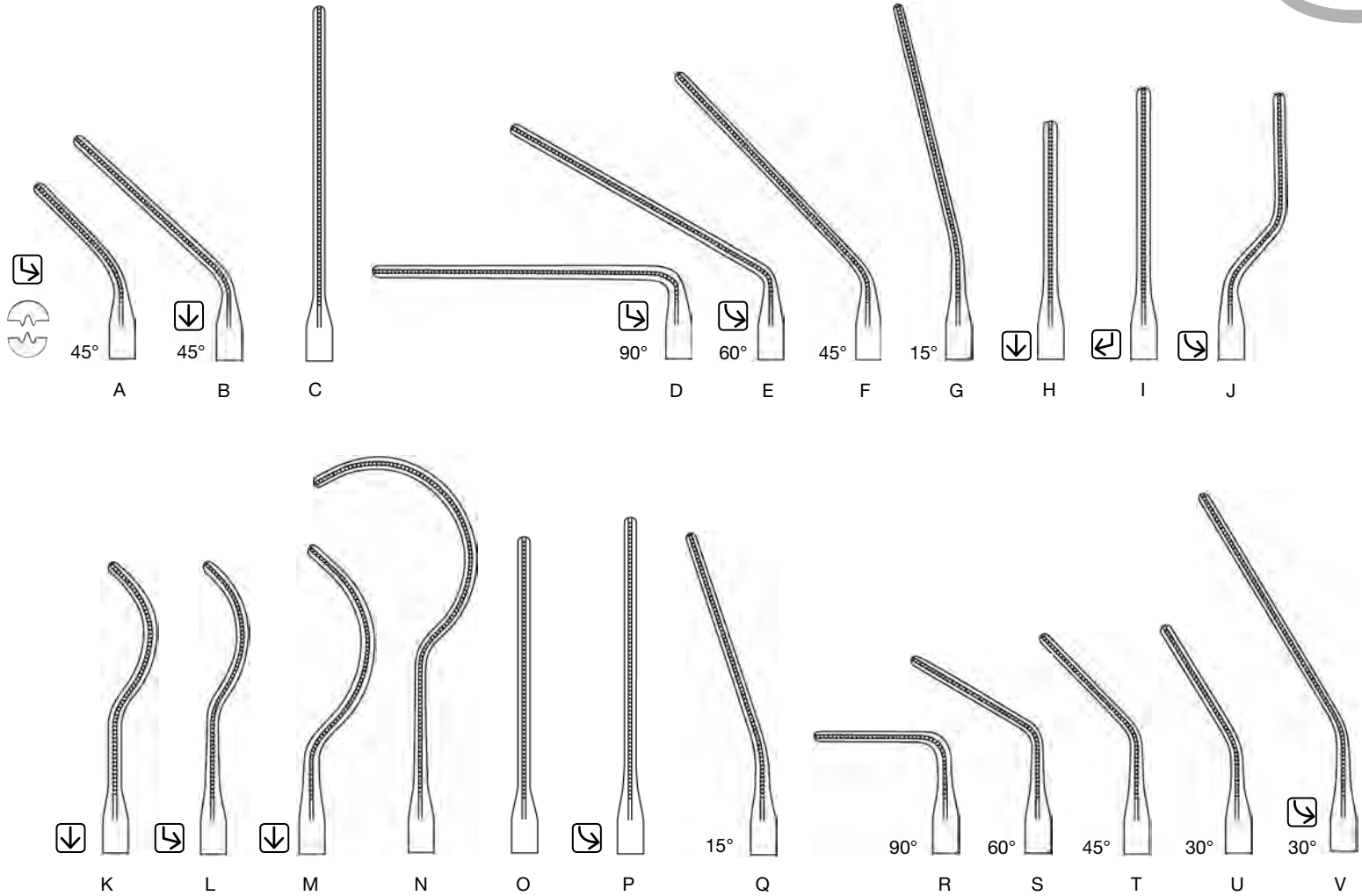


DeBaakey Extra-Fine Pediatric Vessel Clamps

A wide range of multiple purpose occlusion and partial occlusion clamps for use in pediatric cardiovascular surgery including neonatal, coarctation and patent ductus procedures as well as in adult peripheral vascular surgery including carotid, renovascular, A-V Fistula and distal bypass surgery. 1.5 mm extra fine jaws.

DeBaakey Extra-Fine Pediatric Vessel Clamps

A	22-0890 ang. shank/16 mm 10.5 cm/4"	L	22-0933 ang. shank/20 mm 14.5 cm/5¾"
B	22-0892 ang. shank/30 mm 12.5 cm/4¾"	M	22-0934 str. shank/28 mm 15.5 cm/6"
C	22-0894 str. shank/45 mm 14 cm/5½"	N	22-0936 str. shank/28 mm 17 cm/6¾"
D	22-0900 ang. shank/40 mm 14 cm/5½"	O	22-0929 str. shank/40 mm 16.5 cm/6½"
E	22-0899 cvd. shank/40 mm 14 cm/5½"	P	22-0930 ang. shank/40 mm 16.5 cm/6½"
F	22-0898 cvd. shank/40 mm 14 cm/5½"	Q	22-0931 str. shank/32 mm 15.5 cm/6"
G	22-0896 cvd. shank/40 mm 14 cm/5½"	R	22-0908 str. shank/17 mm 14 cm/5½"
H	22-0924 str. shank/25 mm 15.5 cm/6"	S	22-0906 str. shank/20 mm 14.5 cm/5¾"
I	22-0926 20° ang. shank/30 mm 15.5 cm/6"	T	22-0904 str. shank/20 mm 14.5 cm/5¾"
J	22-0928 cvd. shank/30 mm 15 cm/6"	U	22-0902 str. shank/16 mm 14.5 cm/5¾"
K	22-0932 str. shank/20 mm 15 cm/6"	V	22-0914 cvd. shank/40 mm 16 cm/6¼"

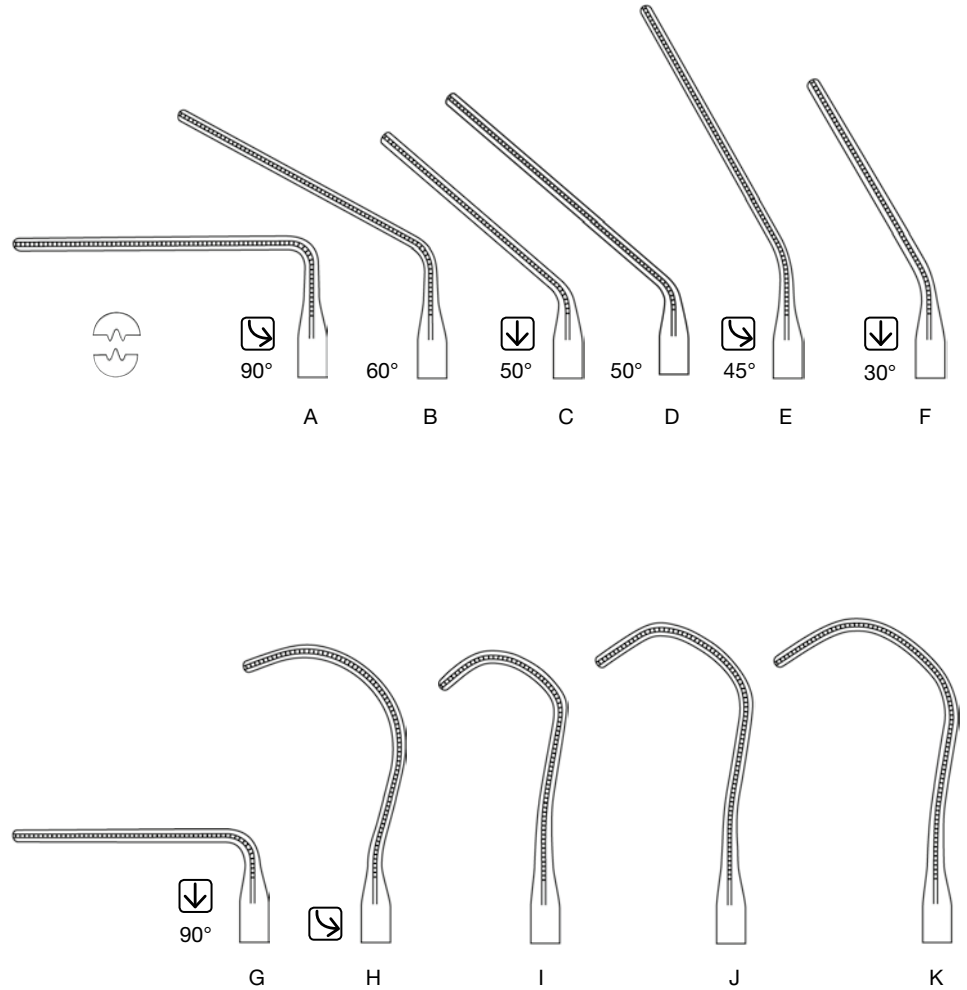




22-0940

22-0960

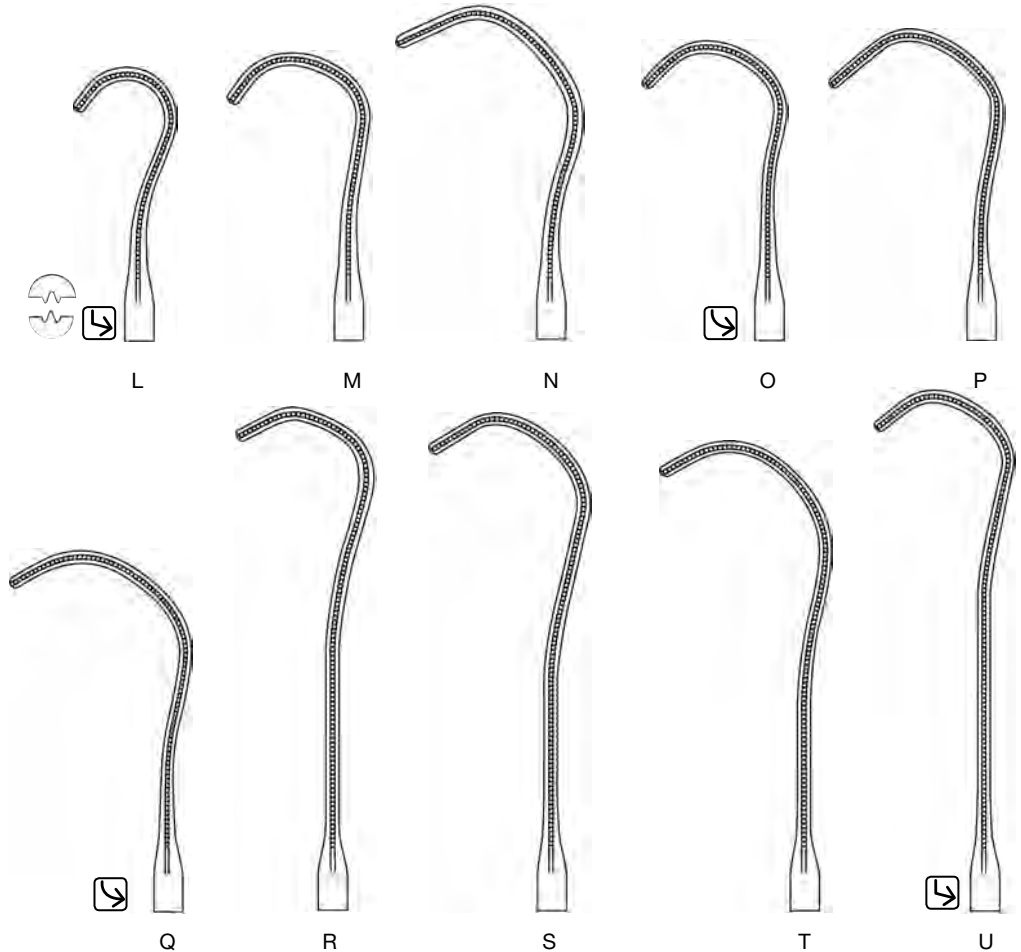
22-0916



DeBakey Extra-Fine

- A 22-0919
cvd. shank/37 mm
13 cm/5''
- B 22-0918
cvd. shank/36 mm
14.5 cm/5¾''
- C 22-0920
str. shank/30 mm
12 cm/4½''
- D 22-0917
str. shank/37 mm
16 cm/6½''
- E 22-0916
cvd. shank/37 mm
16 cm/6¼''
- F 22-0915
str. shank/30 mm
12 cm/4½''
- G 22-0922
str. shank/30 mm
10.5 cm/4''
- H 22-0939
cvd. shank/26 mm
12 cm/4¾''
- I 22-0940
cvd. shank/16 mm
14.5 cm/5¾''
- J 22-0941
cvd. shank/21 mm
14.5 cm/5¾''
- K 22-0942
cvd. shank/26 mm
16 cm/6¼''

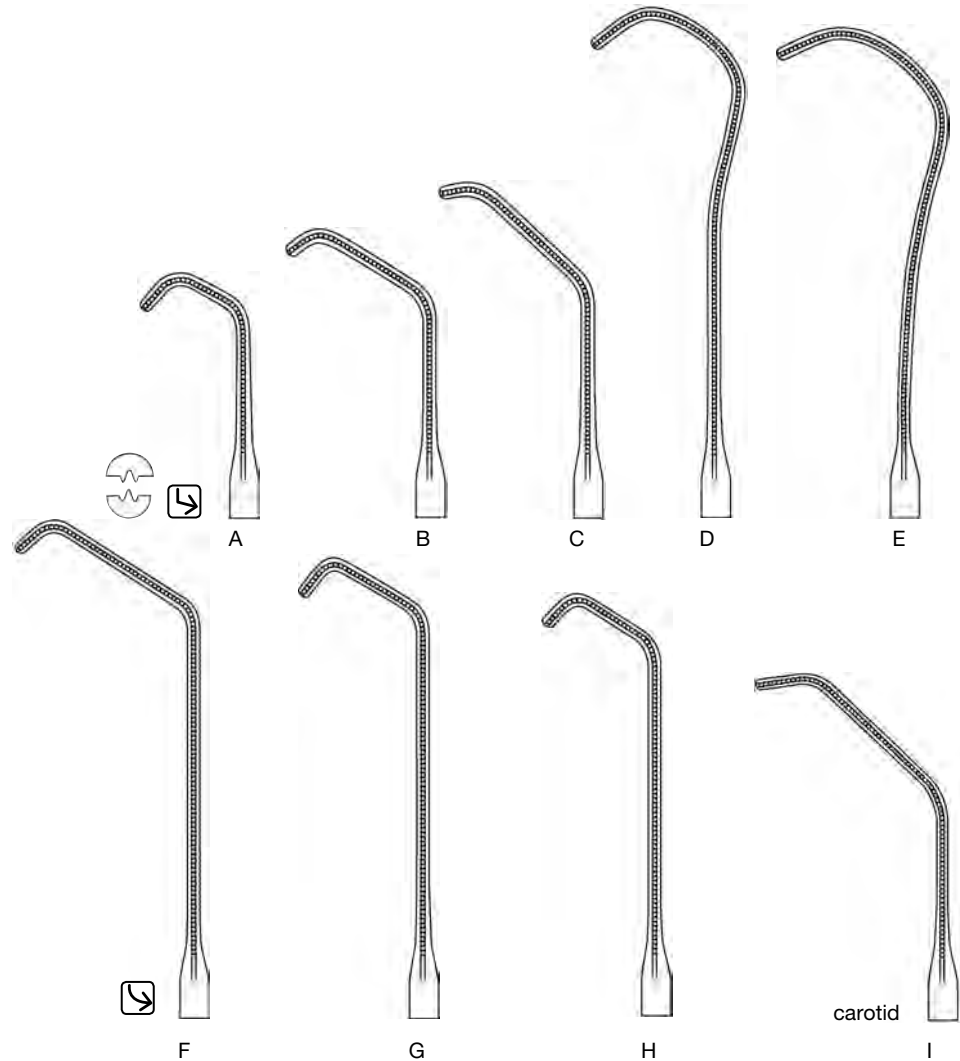
- L 22-0943
ang. shank/10 mm
11.5 cm/4½''
- M 22-0944
ang. shank/16 mm
11.5 cm/4½''
- N 22-0945
ang. shank/28 mm
15 cm/6''
- O 22-0946
cvd. shank/17 mm
11.5 cm/4½''
- P 22-0947
cvd. shank/22 mm
15 cm/6''
- Q 22-0948
cvd. shank/25 mm
16 cm/6¼''
- R 22-0960
cvd. shank/17 mm
18 cm/7''
- S 22-0961
cvd. shank/22 mm
18 cm/7''
- T 22-0962
cvd. shank/25 mm
18 cm/7''
- U 22-0963
ang. shank/17 mm
18 cm/7''



22-0972

**DeBakey Extra-Fine**

- A 22-0971
ang. shank/20 mm
12 cm/4¾"
- B 22-0972
ang. shank/24 mm
15 cm/6"
- C 22-0970
cvd. shank/13 mm
11.5 cm/4½"
- D 22-0964
ang. shank/22 mm
18 cm/7"
- E 22-0965
ang. shank/25 mm
18 cm/7"
- F 22-0975
cvd. shank/25 mm
18 cm/7"
- G 22-0974
cvd. shank/16 mm
17.5 cm/7"
- H 22-0973
cvd. shank/15 mm
17 cm/6¾"
- I 22-0990
cvd. shank/32 mm
15 cm/6"

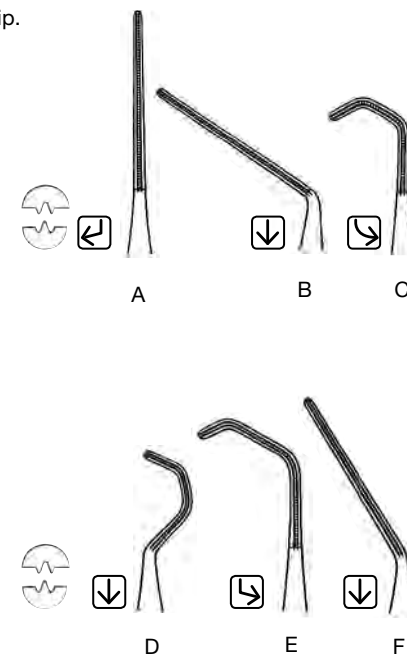




Premie

Extremely delicate jaws and ultrafine jaw serrations for a secure but gentle grip.

- A 22-0850
22-5850
10.5 cm/4"
- B 22-0852
22-5852
10.5 cm/4"
- C 22-0854
22-5854
10.5 cm/4"
- D 22-0856
22-5856
10.5 cm/4"
- E 22-0858
22-5858
10.5 cm/4"
- F 22-0860
22-5860
10.5 cm/4"





Neonatal Micro Vascular Clamps

22-0767

22-0746

22-0811

22-0707

22-0735

DeBakey-Castaneda

These unique new clamps have been especially developed for fine cardiovascular and neonatal surgery. The advantages of the approved and preferred atraumatic DeBakey serrations are now also available for the field of neonatal surgery.

The new jaw design with its new ultrafine DeBakey serrations provides minimum trauma and secure grip even to finest vessels.

Compared to older types of Castaneda clamps the new clamps offer a sharply reduced danger of jaws getting crossed or slippage during use.

The universal system provides a large variety of 62 suitable clamps for every purpose and requirement. All models are available in stainless steel or titanium.


straight

slightly curved

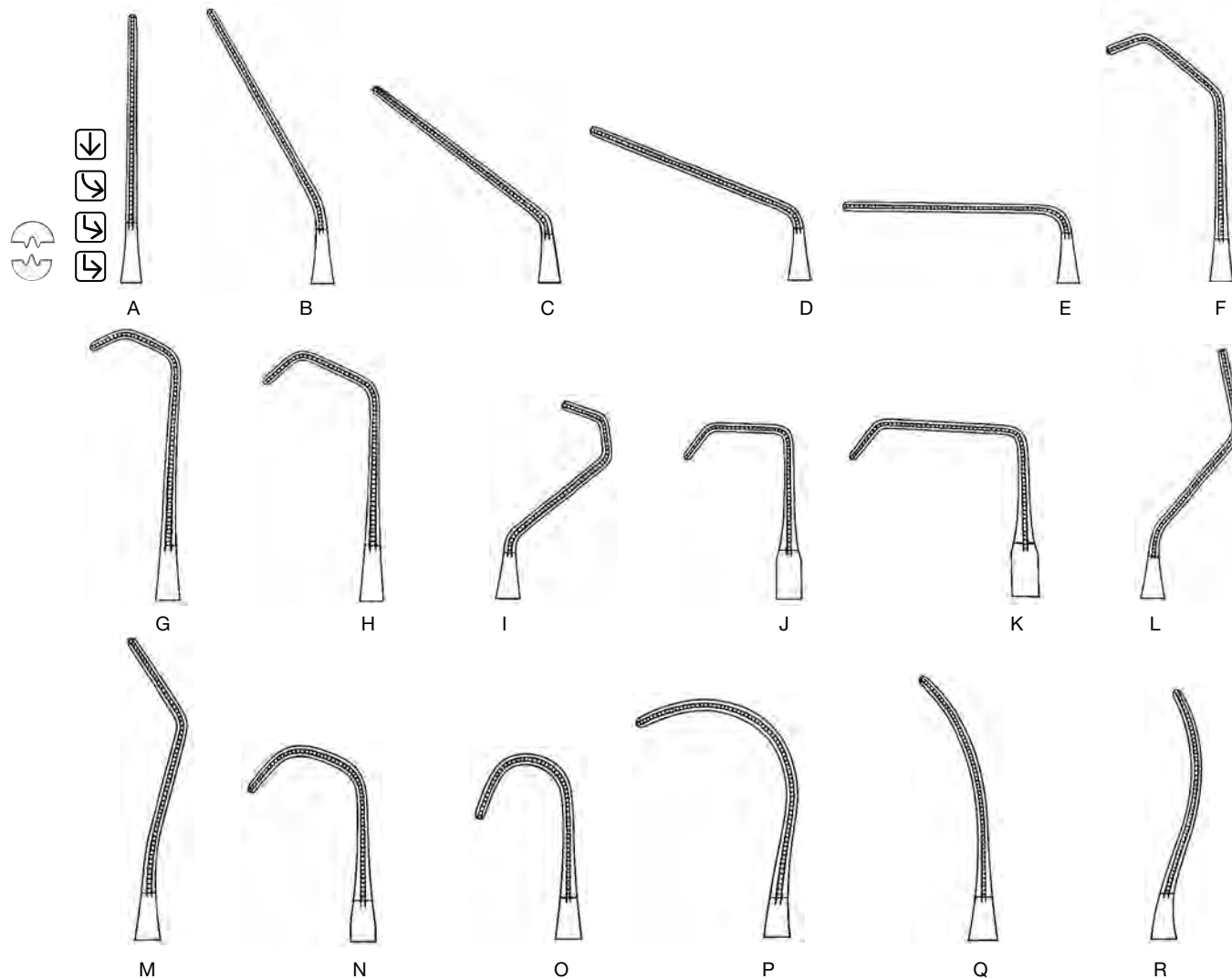
slightly angled

strongly angled

A	22-0700 22-5700	22-0730 22-5730	22-0760 22-5760	22-0790 22-5790
B	22-0703 22-5703	22-0733 22-5733	22-0763 22-5763	22-0793 22-5793
C	22-0705 22-5705	22-0735 22-5735	22-0765 22-5765	22-0795 22-5795
D	22-0707 22-5707	22-0737 22-5737	22-0767 22-5767	22-0797 22-5797
E	22-0709 22-5709	22-0739 22-5739	22-0769 22-5769	22-0799 22-5799
F	22-0710 22-5710	22-0750 22-5750	22-0780 22-5780	22-0810 22-5810
G	22-0721 22-5721	22-0751 22-5751	22-0781 22-5781	22-0811 22-5811
H	22-0722 22-5722	22-0752 22-5752	22-0782 22-5782	22-0812 22-5812
I	22-0723 22-5723	22-0753 22-5753	22-0783 22-5783	
J	22-0711 22-5711	22-0741 22-5741	22-0771 22-5771	
K	22-0712 22-5712	22-0742 22-5742	22-0772 22-5772	
L	22-0726 22-5726	22-0756 22-5756	22-0786 22-5786	
M	22-0727 22-5727	22-0757 22-5757	22-0787 22-5787	
N	22-0713 22-5713	22-0743 22-5743	22-0773 22-5773	
O	22-0714 22-5714	22-0744 22-5744	22-0774 22-5774	
P	22-0715 22-5715	22-0745 22-5745	22-0775 22-5775	
Q	22-0716 22-5716	22-0746 22-5746	22-0776 22-5776	
R	22-0717 22-5717	22-0747 22-5747	22-0777 22-5777	

Neonatal Micro Vascular Clamps

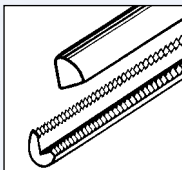
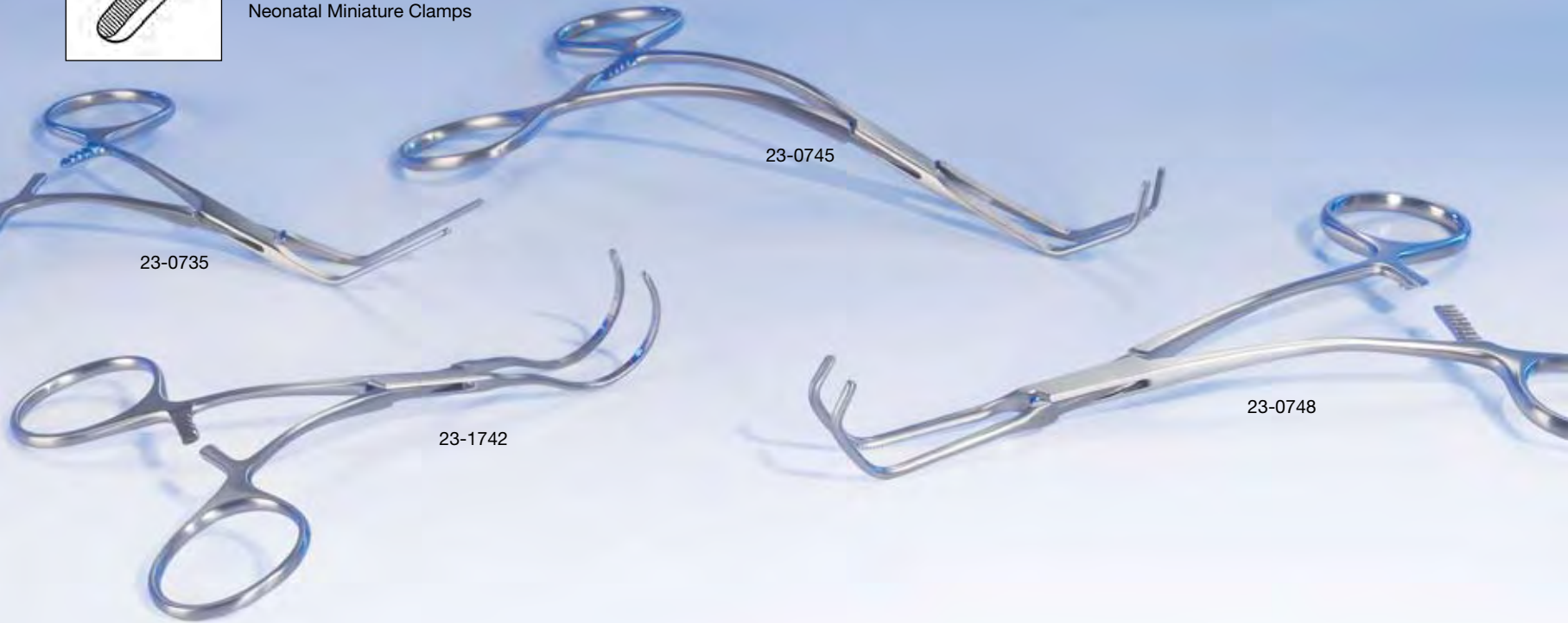
GEISTER®





Castaneda

Neonatal Miniature Clamps




Infant CV

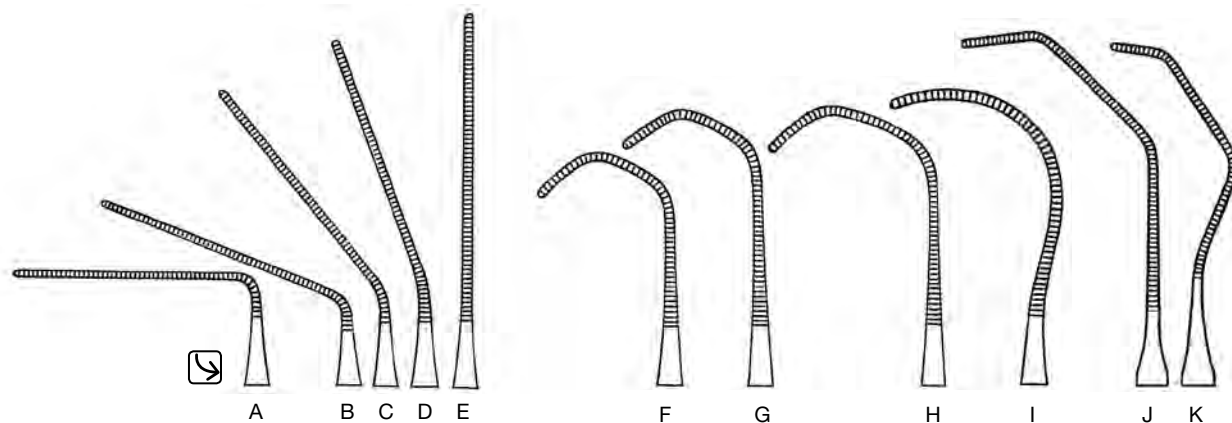
with unique half-moon shaped jaw profile for increased clamping stability (no twisting of jaws)

Infant CV

A	23-1739	11 cm/4¼"
B	23-1737	12 cm/4½"
C	23-1735	12.5 cm/4¾"
D	23-1733	13 cm/5"
E	23-1730	13 cm/5"
F	23-1740	15 cm/6"
G	23-1741	15 cm/6"
H	23-1742	15 cm/6"
I	23-1745	12 cm/4¾"

Castaneda**Neonatal Miniature Clamps**

A	23-0739	11 cm/4¼"	
B	23-0737	12 cm/4½"	
C	23-0735	12.5 cm/4¾"	
D	23-0733	13 cm/5"	
E	23-0730	13 cm/5"	
F	23-0740	15 cm/6"	
G	23-0741	15 cm/6"	
H	23-0742	15 cm/6"	
I	23-0745	12 cm/4¾"	
J	23-0748	15 cm/6"	
K	23-0749	15 cm/6"	





Baby-Coolley

Extra fine patterns with curved shanks

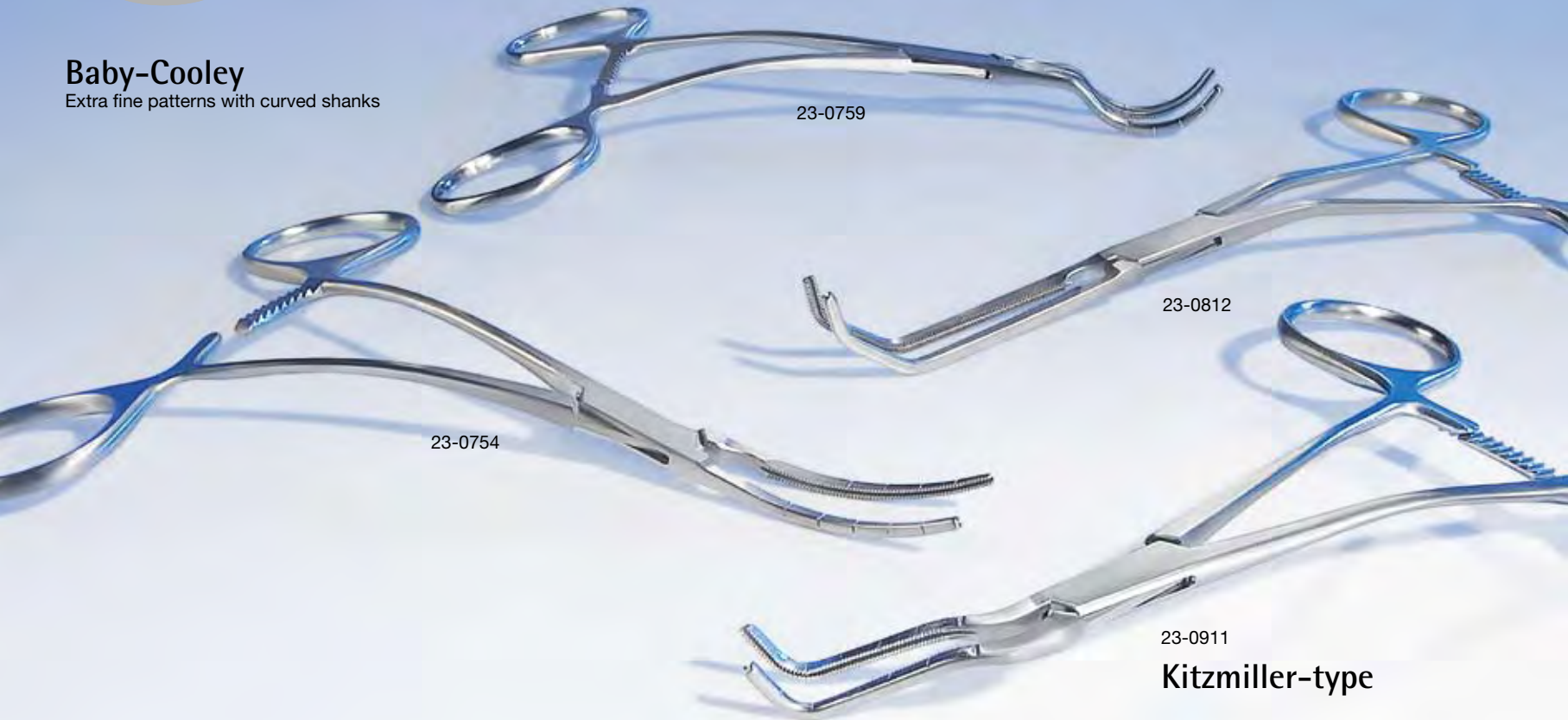
23-0754

23-0759

23-0812

23-0911

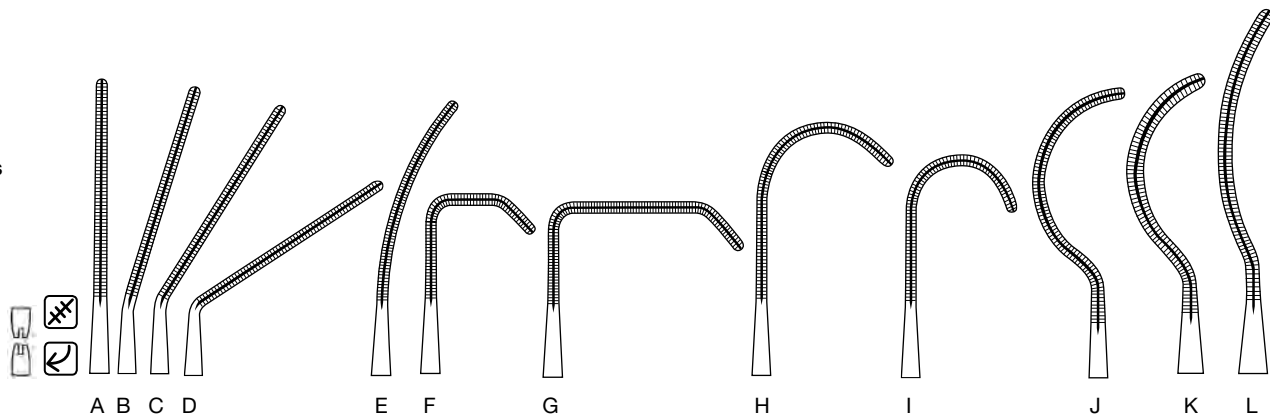
Kitzmiller-type



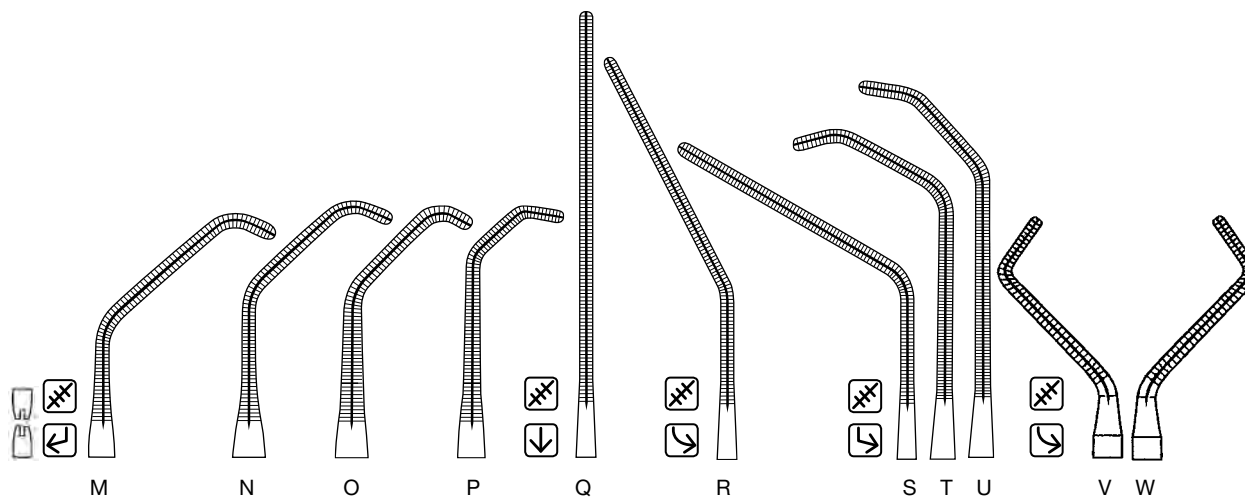
Baby-Cooley
Extra fine patterns

 curved shanks *
 14.5 cm/5½"

- A 23-0750
- B 23-0751
- C 23-0752
- D 23-0753
- E 23-0754
- F 23-0755
- G 23-0756
- H 23-0757
- I 23-0758
- J 23-0759
- K 23-0760
- L 23-0761
- M 23-0762
- N 23-0763
- O 23-0764
- P 23-0765
- Q 23-0808
- R 23-0809
- S 23-0810
- T 23-0811
- U 23-0812


Kitzmiller-type

- V 23-0910
- W 23-0911



* For Straight Shanks add "G" behind article number, e.g. 23-0753G



23-0060

23-0058

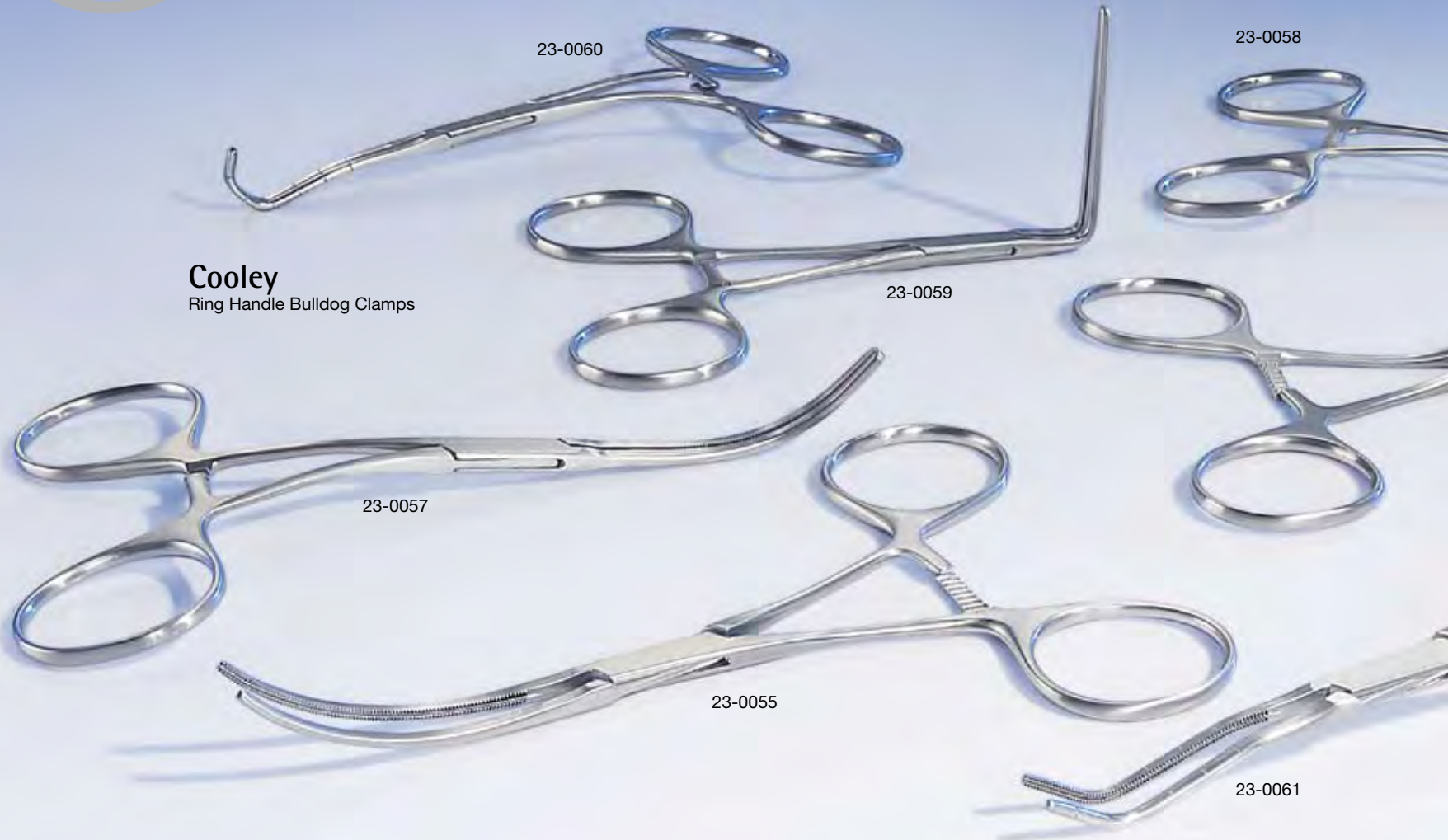
Cooley
Ring Handle Bulldog Clamps

23-0059

23-0057

23-0055

23-0061





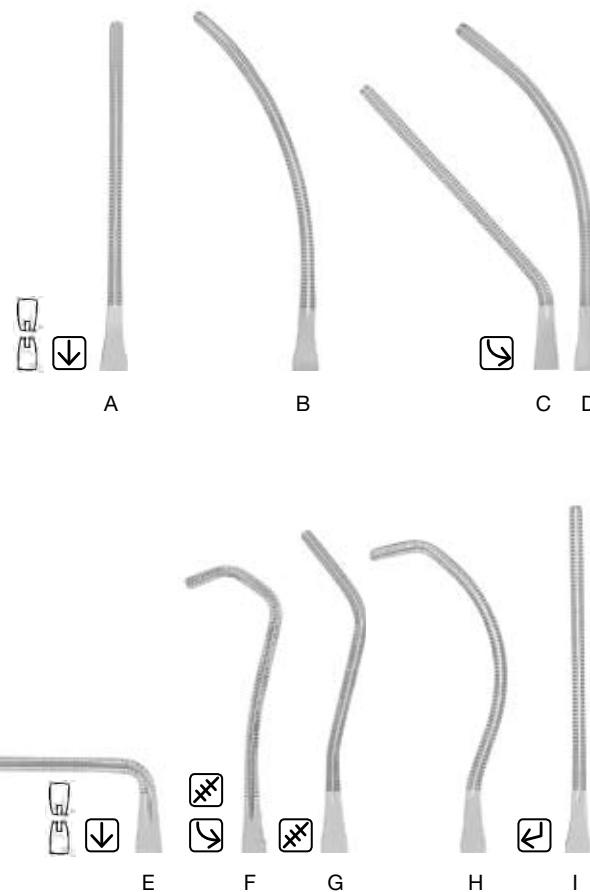
23-0056

Cooley Ring Handle Bulldog Clamps

- A 23-0054
12.5 cm/4¾"
- B 23-0055
12.5 cm/4¾"
- C 23-0058
12.5 cm/4¾", shanks curved
- D 23-0057
13 cm/5", shanks curved
- E 23-0059
0.5 cm/¼"
- F 23-0060
12.0 cm/4½"
- G 23-0061
13.5 cm/5¼"
- H 23-0052
12.5 cm/4¾"

shanks angled

- I 23-0056
13.5 cm/5¼"

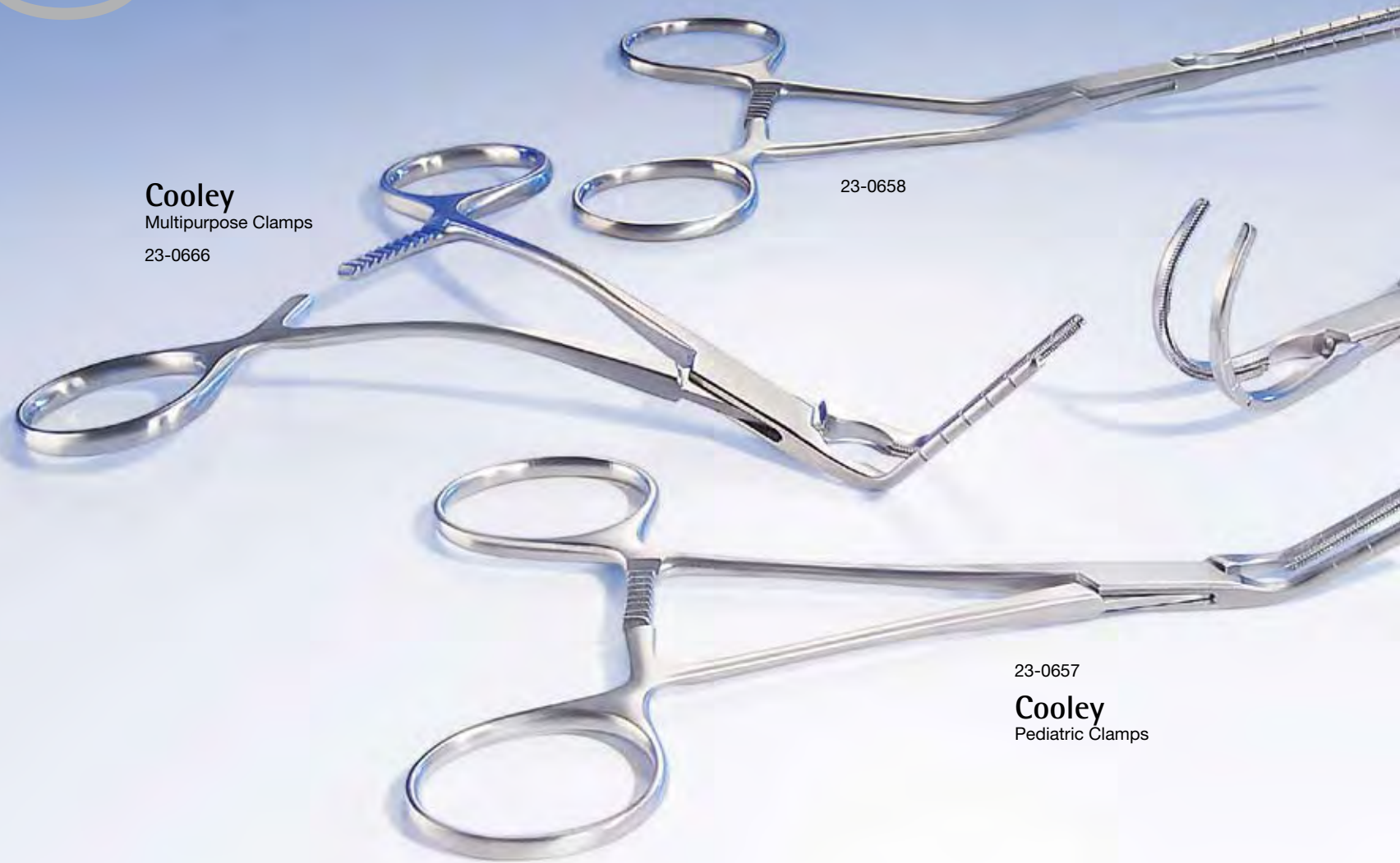


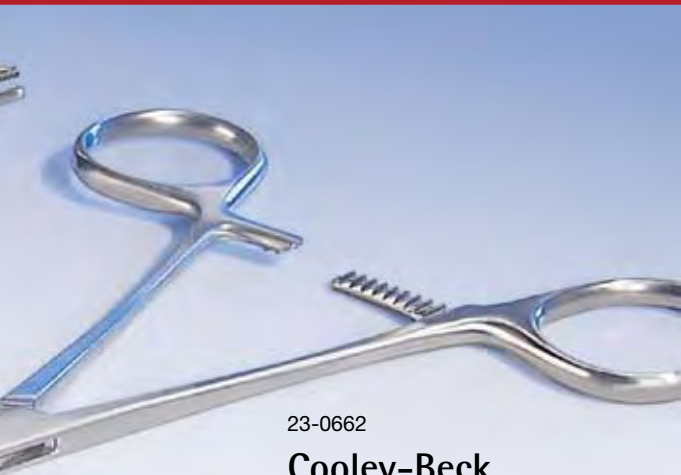


Cooley
Multipurpose Clamps
23-0666

23-0658

23-0657
Cooley
Pediatric Clamps





23-0662

Cooley-Beck

Vessel Clamps

Cooley-Beck Vessel Clamps

- A 23-0660
15 cm/6''
B 23-0662
15.5 cm/6''

Cooley Pediatric Clamps

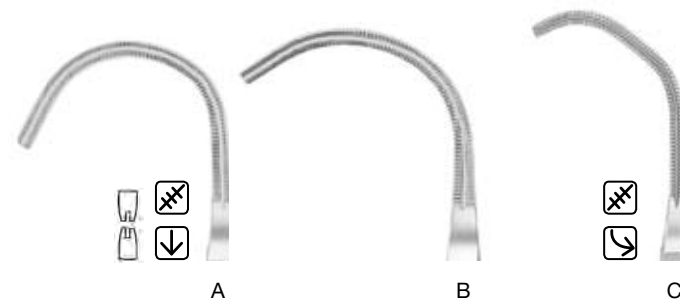
- C 23-0668
14 cm/5½''
D 23-0656
14 cm/5½''
E 23-0657
14 cm/5½''
F 23-0659
14 cm/5½''

shanks angled

- G 23-0658
14 cm/5½''

Cooley Multipurpose Clamps

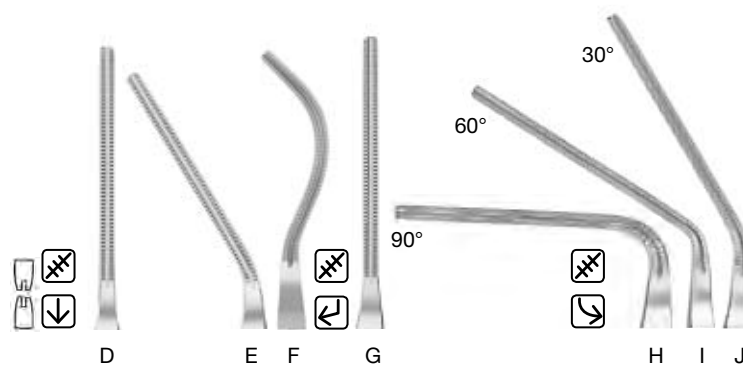
- H 23-0667
14.5 cm/5½''
I 23-0666
16 cm/6¼''
J 23-0665
16.5 cm/6¼''



A

B

C



D

E

F

G

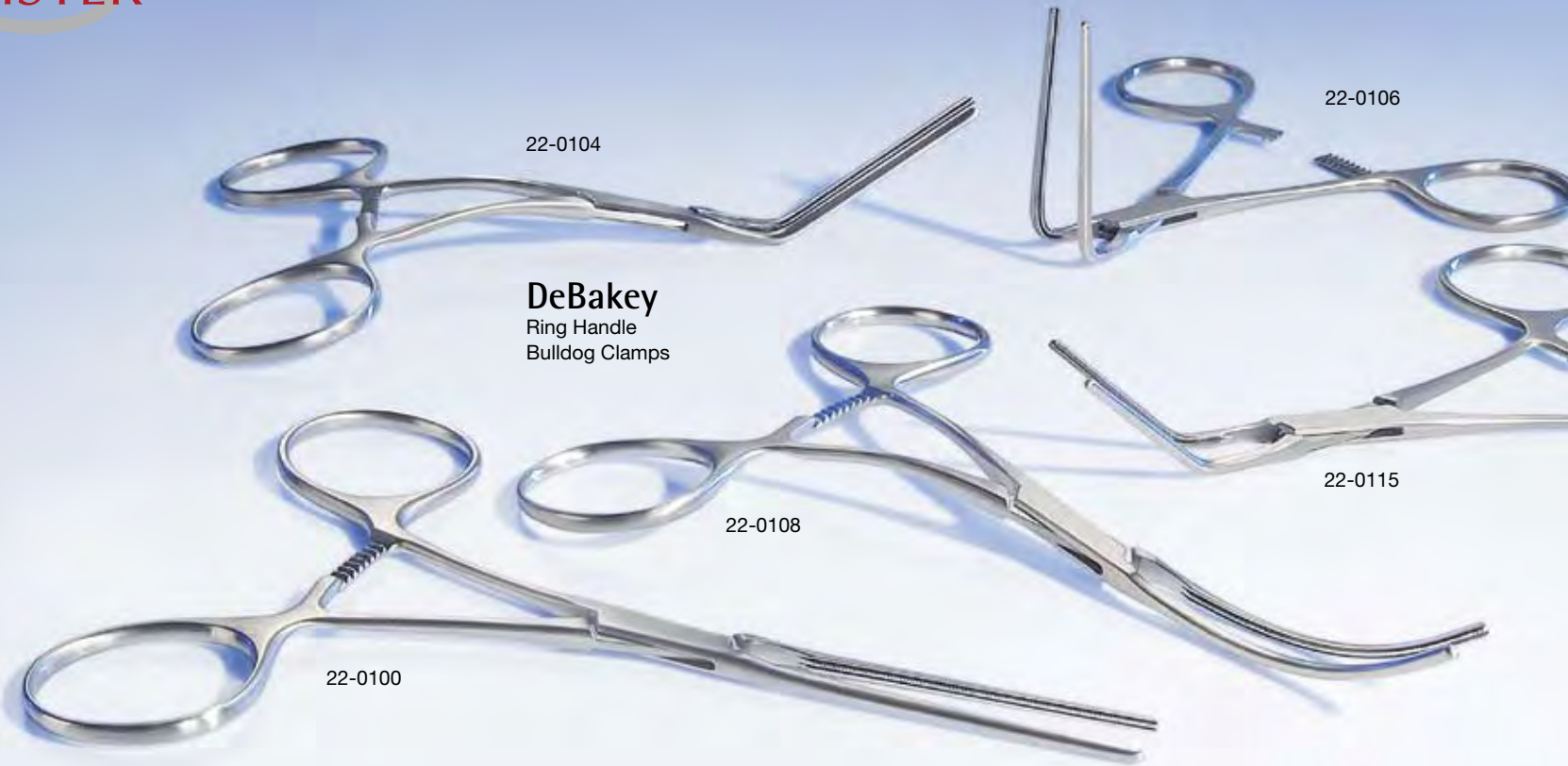
H

I

J



Atraumatic Vascular Clamps



22-0104

22-0106

DeBakey
Ring Handle
Bulldog Clamps

22-0108

22-0115

22-0100



Noon

A.V. Fistula Clamp

DeBakey

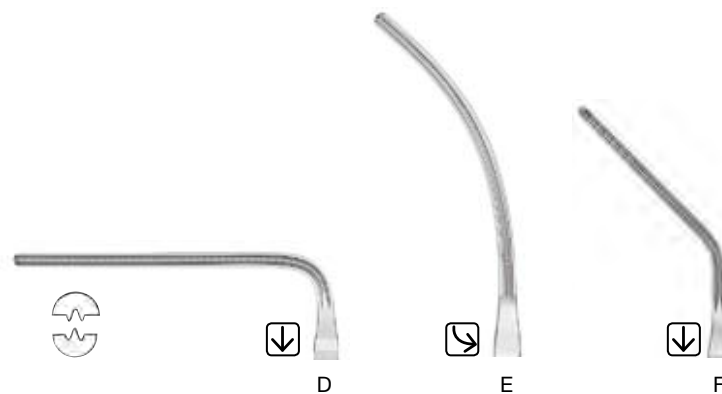
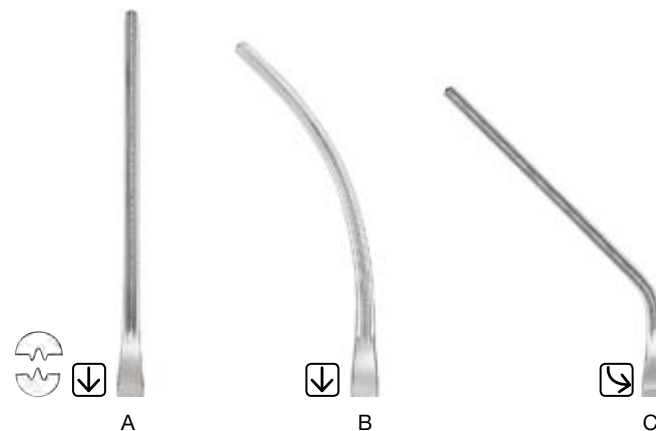
Ring Handle Bulldog Clamps

- A 22-0100
12.5 cm/4 $\frac{3}{4}$ "
- B 22-0101
12.5 cm/4 $\frac{3}{4}$ "
- C 22-0104
12.5 cm/4 $\frac{3}{4}$ ", shanks curved
- D 22-0106
10 cm/4"
- E 22-0108
12.5 cm/4 $\frac{3}{4}$ ", shanks curved

Noon

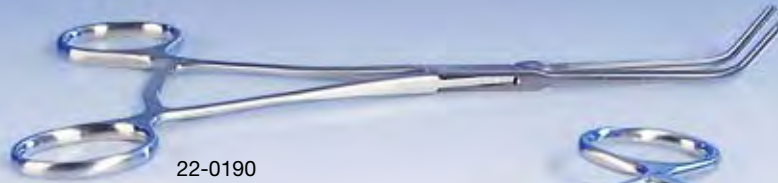
A.V. Fistula Clamp

- F 22-0115
11 cm/4 $\frac{1}{4}$ "





**Carotis and
Femoral Clamps**



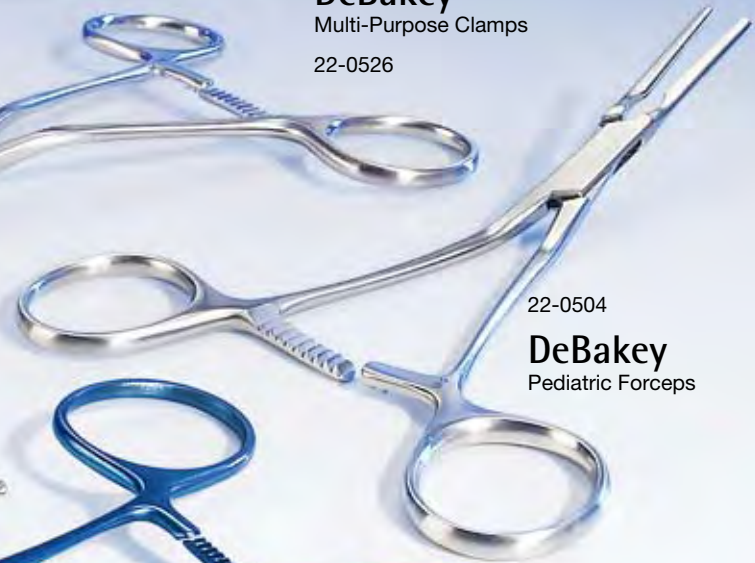
22-0190

**DeBakey
Multi-Purpose Clamps**
22-0526



22-0508

**DeBakey
Pediatric Forceps**



22-0504

**DeBakey
Pediatric Forceps**



22-5800

Kitzmiller-type Titanium

**DeBakey
Multi-Purpose Clamps**

A	22-0527	14.5 cm/5½"
	22-0527.TI	
B	22-0526	15.5 cm/6¼"
	22-0526.TI	
C	22-0525	16 cm/6¼"
	22-0525.TI	

Carotis and Femoral Clamps

D	22-0190	18 cm/7"
E	22-0191	17 cm/6½"
F	22-0192	18 cm/7"

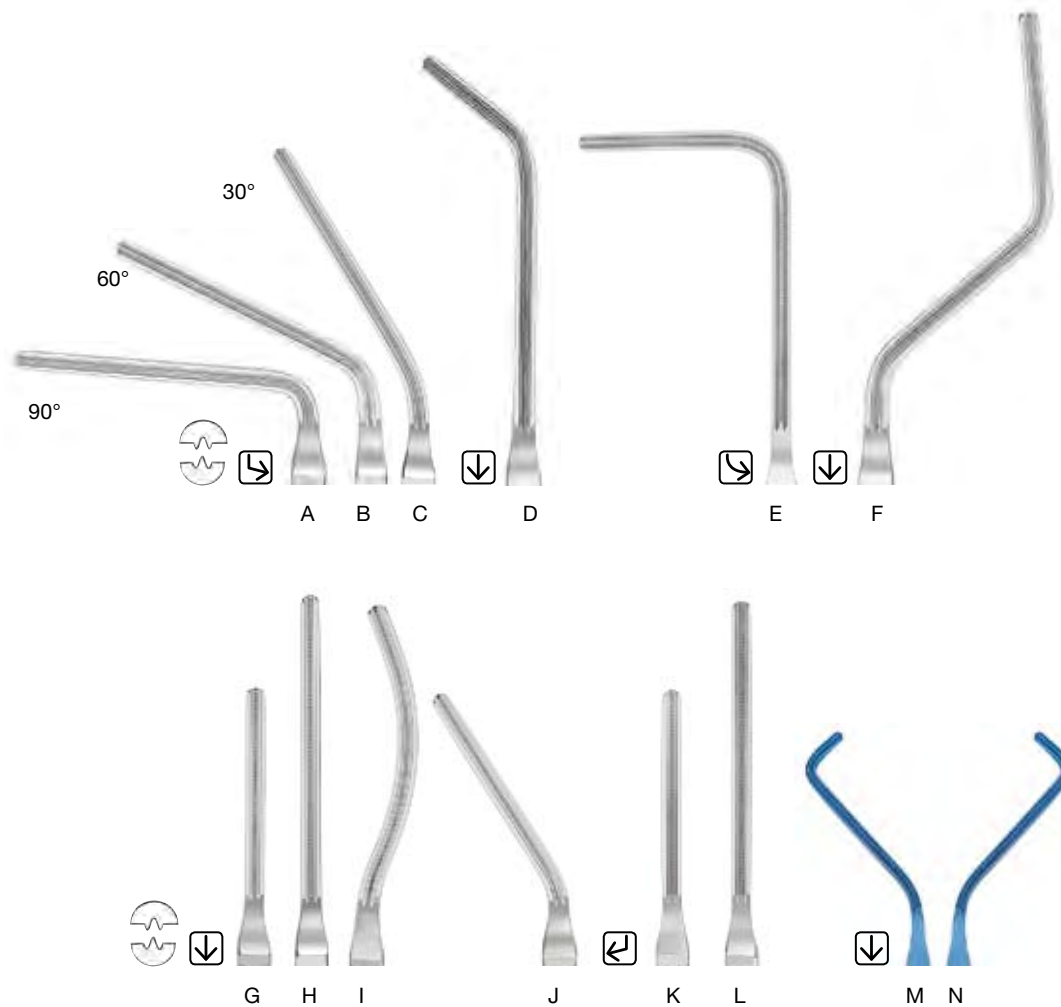
DeBakey

Pediatric Forceps

G	22-0500	15.5 cm/6"
H	22-0502	17 cm/6½"
I	22-0508	16.5 cm/6¼"
J	22-0505	15.5 cm/6"
shanks angled:		
K	22-0504	15.5 cm/6"
L	22-0506	17 cm/6½"

Kitzmilller-type Titanium

M	22-5800	12 cm/4¾"
N	22-5801	12 cm/4¾"





Glover

Patent-Ductus Clamps
and Coarctation Forceps

22-0120

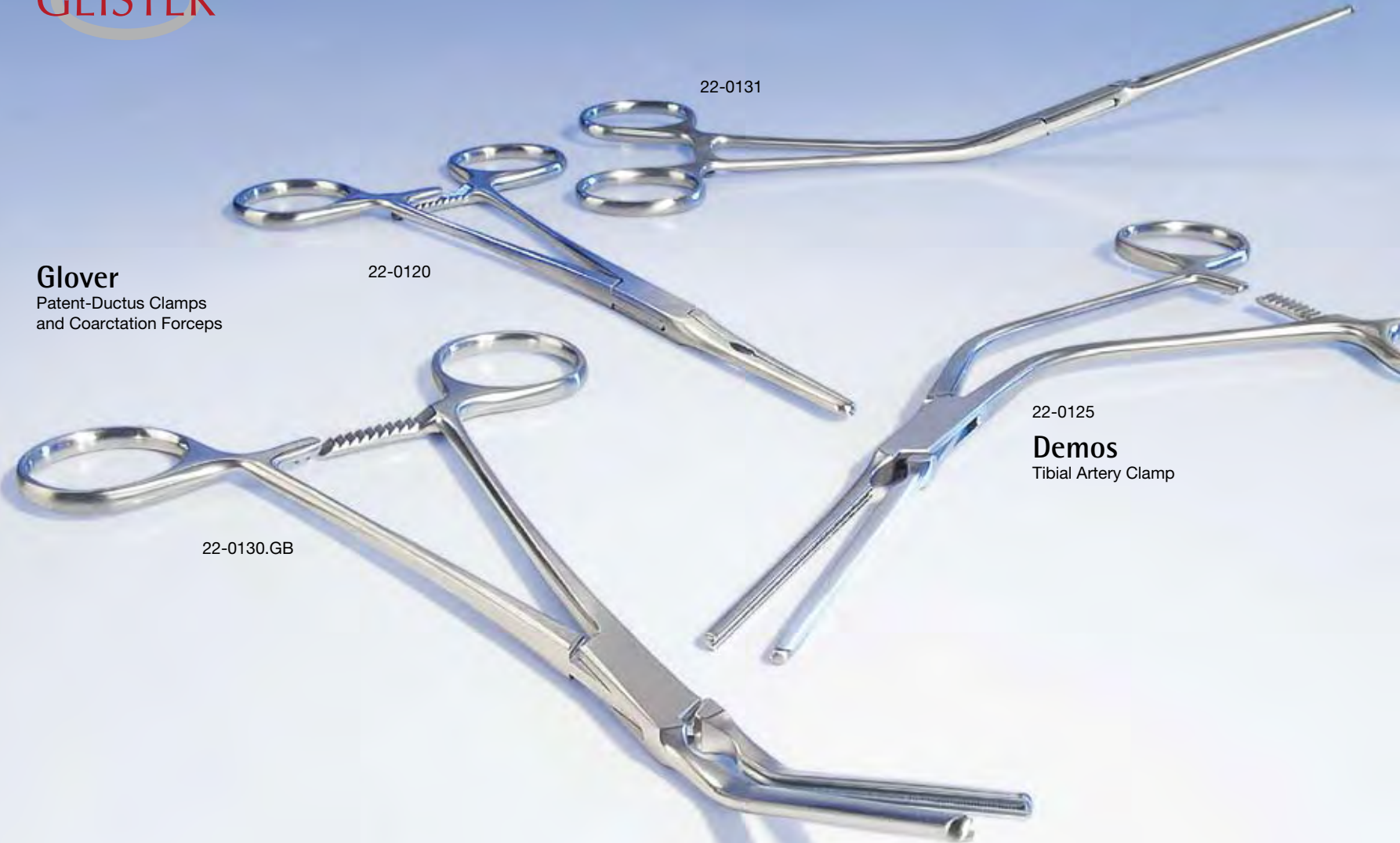
22-0131

22-0125

Demos

Tibial Artery Clamp

22-0130.GB



Demos**Tibial Artery Clamp**

- A 22-0125
21 cm/8¼"

Glover**Patent-Ductus Clamps and Coarctation Forceps**

- B 22-0120.GB
20.5 cm/8"
- C 22-0130.GB
22 cm/8½"
- D 22-0120
20.5 cm/8"
[22-0120.TI](#)
- E 22-0130
22 cm/8½"
[22-0130.TI](#)
- F 22-0136
26 cm/10¼"
[22-0136.TI](#)
- G 22-0121
20.5 cm/8", shanks angled
[22-0121.TI](#)
- H 22-0131
22 cm/8½", shanks angled
[22-0131.TI](#)
- I 22-0137
25.5 cm/10¼", shanks angled
[22-0137.TI](#)






22-0160

22-0221

DeBakey
Coarctation Clamps

22-0235

DeBakey-Bainbridge
Vascular Clamps

22-0165

DeBakey
Peripheral Vascular Clamps

DeBakey Coarctation Clamps

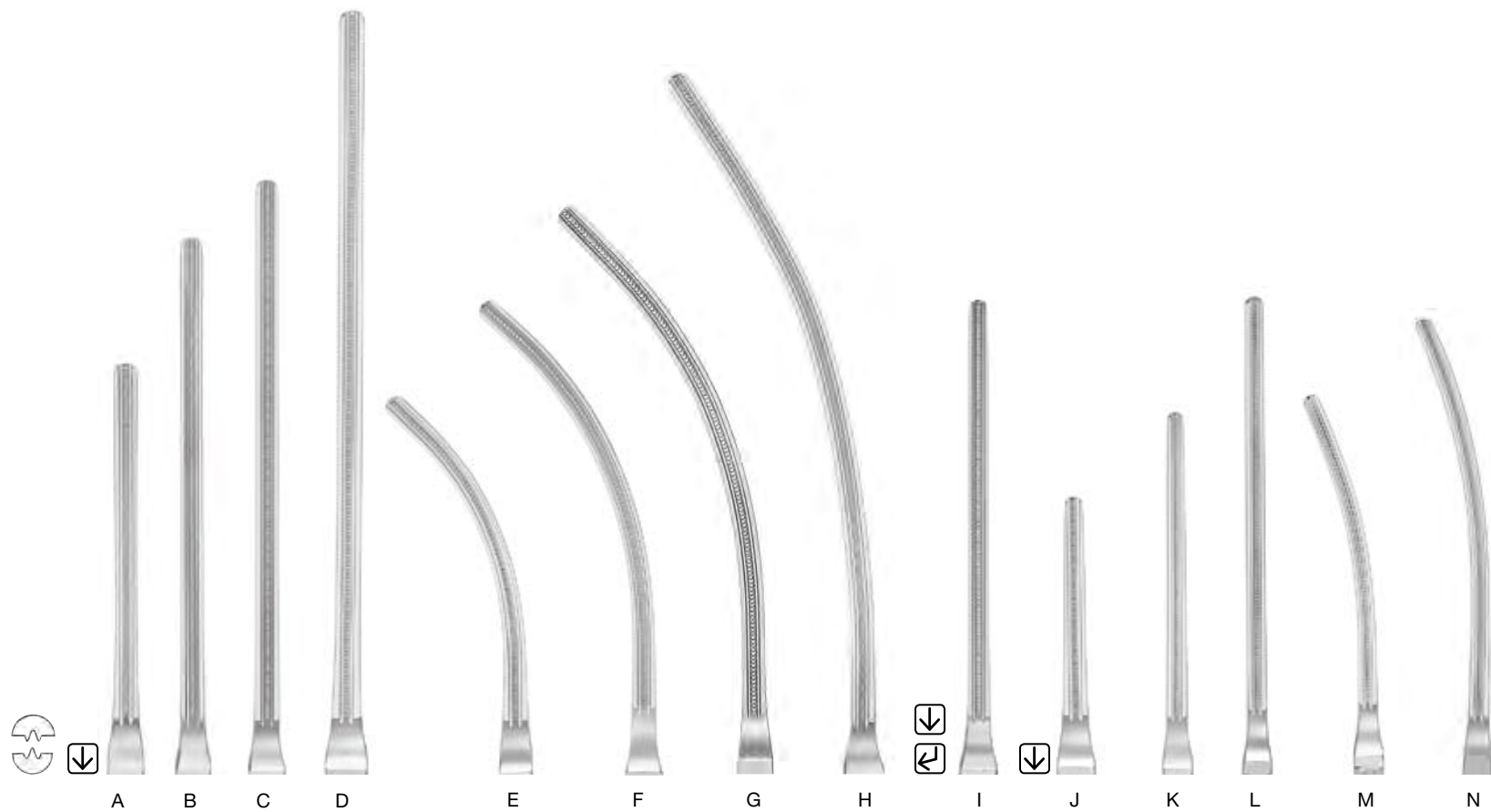
A	22-0220	21.5 cm/8½"
B	22-0221	23 cm/9"
C	22-0222	27 cm/10½"
D	22-0223	31.5 cm/12½"
E	22-0225	21.5 cm/8½"
F	22-0226	23 cm/9"
G	22-0227	27 cm/10½"
H	22-0228	31.5 cm/12½"

**DeBakey
Peripheral Vascular Clamps**

I	straight	shanks angled	
	22-0160	22-0161	
	22 cm/8½"	22 cm/8½"	
	22-0160.TI	22-0161.TI	
J	straight	shanks angled	
	22-0164	22-0165	
	19.5 cm/7½"	19.5 cm/7½"	
	22-0164.TI	22-0165.TI	

**DeBakey-Bainbridge
Vascular Clamps**

K	22-0230	17 cm/6½"
L	22-0232	18.5 cm/7¼"
M	22-0235	17 cm/6½"
N	22-0237	18.5 cm/7¼"





Cooley
Patent-Ductus Clamps
and Coarctation Forceps



23-0236



23-0230



23-0654



23-0402

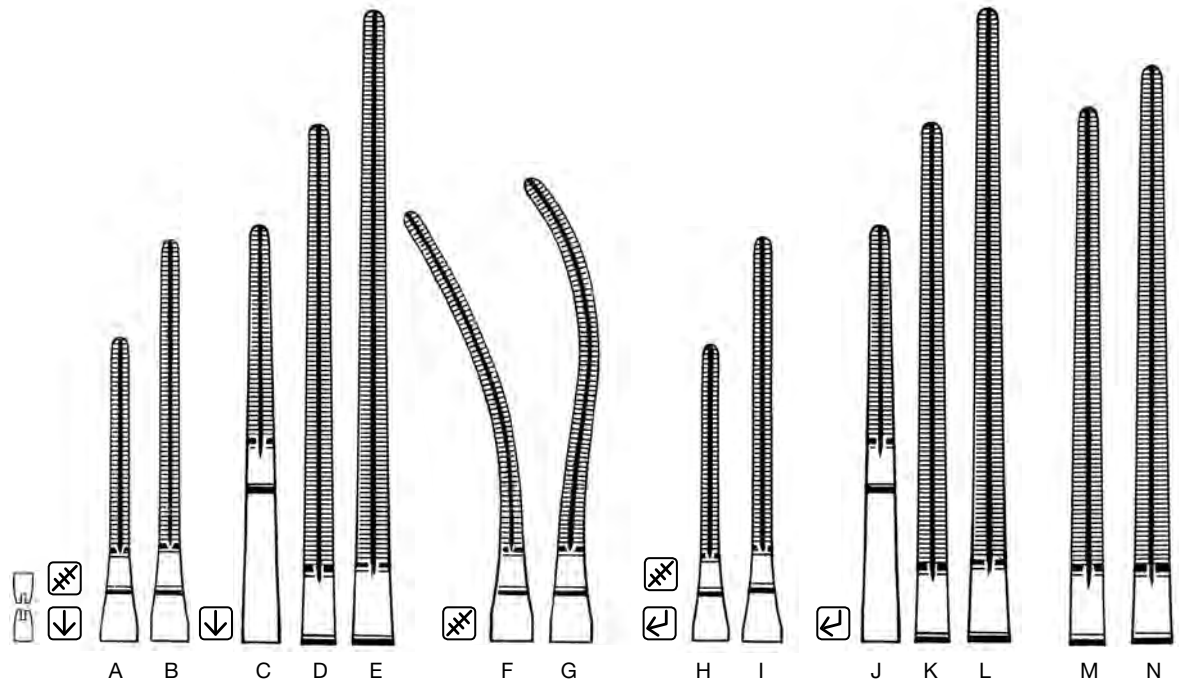
Cooley
Iliac Clamps

**Cooley
Patent-Ductus Clamps
and Coarctation Forceps**

A	23-0650	16 cm/6¼"
	23-0650.TI	
B	23-0652	17 cm/6½"
	23-0652.TI	
C	23-0220	21 cm/8¼"
D	23-0230	22 cm/8½"
E	23-0234	26 cm/10¼"
F	23-0654	17.5 cm/6½"
	23-0654.TI	
G	23-0655	18 cm/7"
	23-0655.TI	
shanks angled		
H	23-0651	16 cm/6¼"
	23-0651.TI	
I	23-0653	17 cm/6½"
	23-0653.TI	
J	23-0222	20.5 cm/8"
K	23-0236	22 cm/8½"
L	23-0238	25.5 cm/10"

**Cooley
Iliac Clamps**

M	23-0402	22 cm/8½"
N	23-0404	26 cm/10¼"





DeBakey-Rankin

22-1230



DeBakey-Pean

22-1242



22-1210

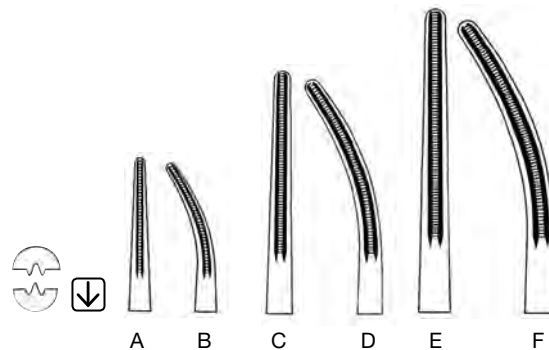
DeBakey-Mosquito

22-1225

DeBakey-Kelly



Atraumatic Hemostatic Forceps

**DeBakey-Mosquito**

A	22-1210	12 cm/4½"
B	22-1211	12 cm/4½"

DeBakey-Kelly

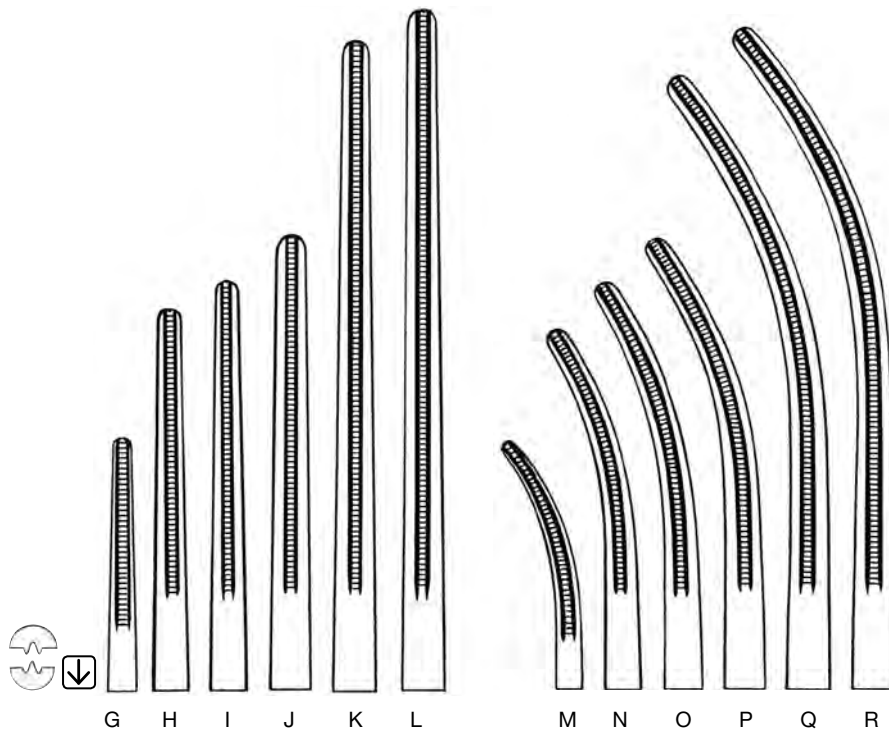
C	22-1220	14 cm/5½"
D	22-1225	14 cm/5½"

DeBakey-Rankin

E	22-1230	16 cm/6¼"
F	22-1231	16 cm/6¼"

DeBakey-Pean

G	22-1239	14 cm/5½"
H	22-1240	16 cm/6¼"
I	22-1241	18 cm/7"
J	22-1242	20 cm/8"
K	22-1244	26 cm/10½"
L	22-1246	28 cm/11"
M	22-1249	14 cm/5½"
N	22-1250	16 cm/6¼"
O	22-1251	18 cm/7"
P	22-1252	20 cm/8"
Q	22-1254	26 cm/10½"
R	22-1256	28 cm/11"





Atraumatic Vascular Clamps

DeBakey

Peripheral Vascular Clamps

22-0180

Leland-Jones

Peripheral Vascular Clamps

22-0252



22-0344

DeBakey

Multi-Purpose Clamps

DeBakey

Peripheral Vascular Clamps

A 22-0180 19 cm/7½"

[22-0180.TI](#)

Heavy pattern:

22-0181 19 cm/7½"

B 22-0170 26.5 cm/10¼"

[22-0170.TI](#)

Leland-Jones

Peripheral Vascular Clamps

C 22-0250 19.5 cm/7½"

[22-0250.TI](#)

D 22-0252 19.5 cm/7½"

[22-0252.TI](#)

E 22-0254 19 cm/7½"

[22-0254.TI](#)

DeBakey Multi-Purpose Clamps

I 22-0349 18 cm/7"

J 22-0339 19 cm/7½"

K 22-0343 21 cm/8¼"

L 22-0342

[22-0342.TI](#) 20.5 cm/8"

M 22-0344

[22-0344.TI](#) 24 cm/9½"

N 22-0346

[22-0346.TI](#) 30.5 cm/12"

O 22-0340

[22-0340.TI](#) 25 cm/10"

P 22-0354

[22-0354.TI](#) 21.5 cm/8¼"

Q 22-0352

[22-0352.TI](#) 18 cm/7"

R 22-0356

[22-0356.TI](#) 27 cm/10½"

S 22-0350

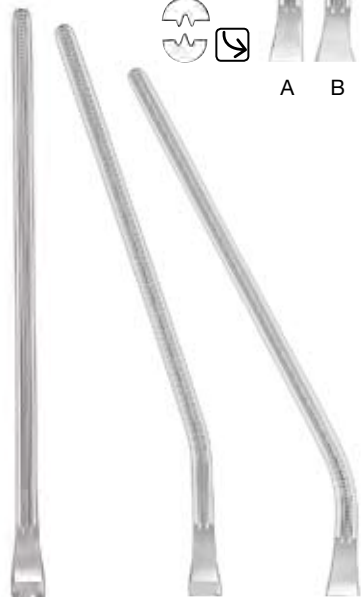
[22-0350.TI](#) 23 cm/9"

Atraumatic Vascular Clamps

GEISTER®



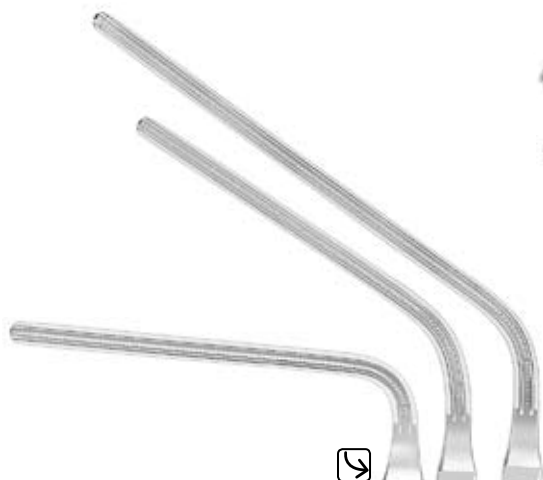
A B



C

D

E



I J K



L M N O



P Q R S





Atraumatic Vascular Clamps

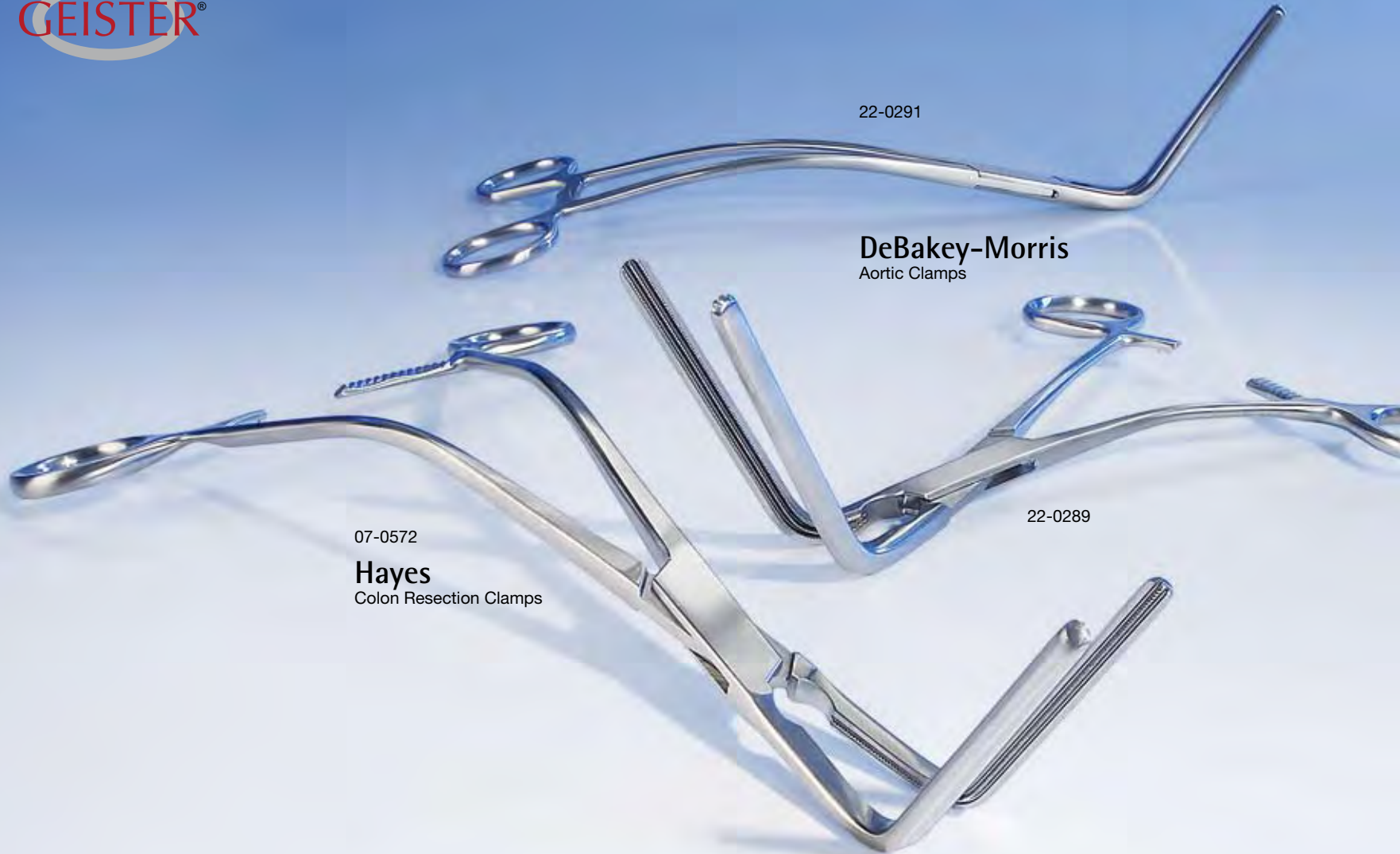
22-0291

DeBakey-Morris
Aortic Clamps

07-0572

Hayes
Colon Resection Clamps

22-0289



Hayes
Colon Resection Clamps

- A 07-0572
28 cm/11"
- B 07-0570
26 cm/10½"



A

B

DeBakey-Morris
Aortic Clamps

- C 22-0292
25 cm/10"
- D 22-0291
26.5 cm/10½"
- E 22-0294
23 cm/9"
- F 22-0290
22 cm/8½"
22-0289
18 cm/7"



C

D

E

F





Cooley
Vascular Clamps

23-0062

23-0084

23-0066

23-0554

Cooley
Multi-Purpose Clamps



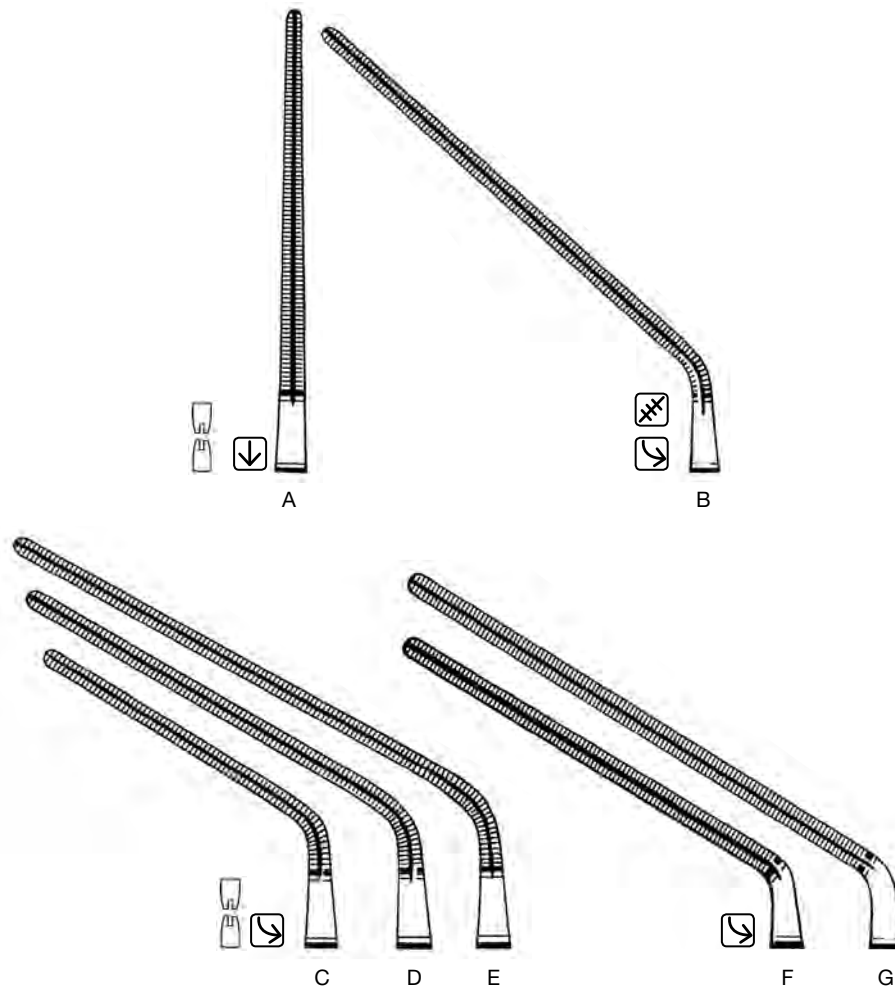


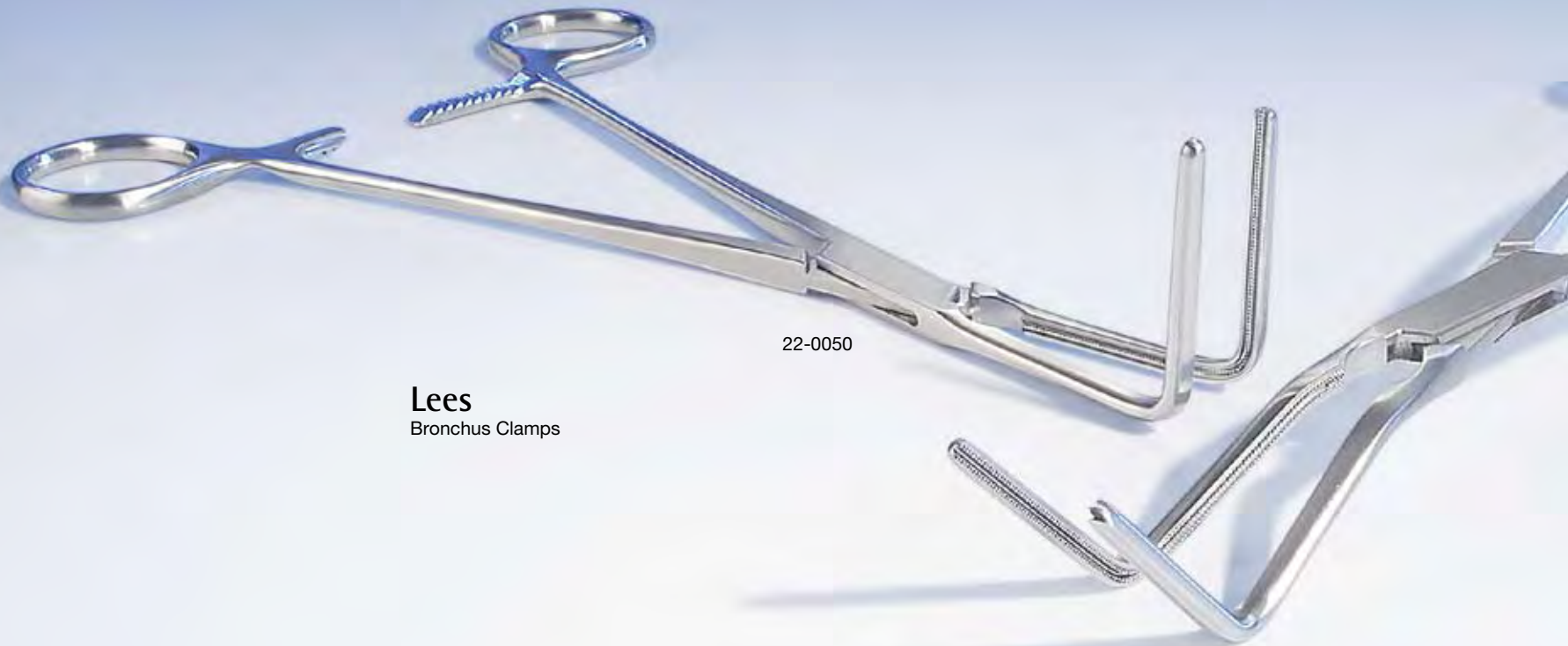
**Cooley
Vascular Clamps**

- A 23-0062
18 cm/7''
B 23-0066
18.5 cm/7 $\frac{3}{4}$ ''
very delicate
C 23-0082
16.5 cm/6 $\frac{1}{4}$ ''
D 23-0084
17.5 cm/6 $\frac{3}{4}$ ''
E 23-0086
19 cm/7 $\frac{1}{2}$ ''

**Cooley
Multi-Purpose Clamps**

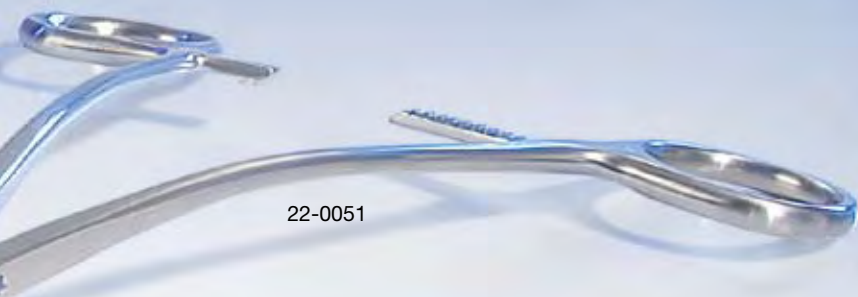
- F 23-0554
20.5 cm/8''
G 23-0556
24 cm/9 $\frac{1}{2}$ ''





22-0050

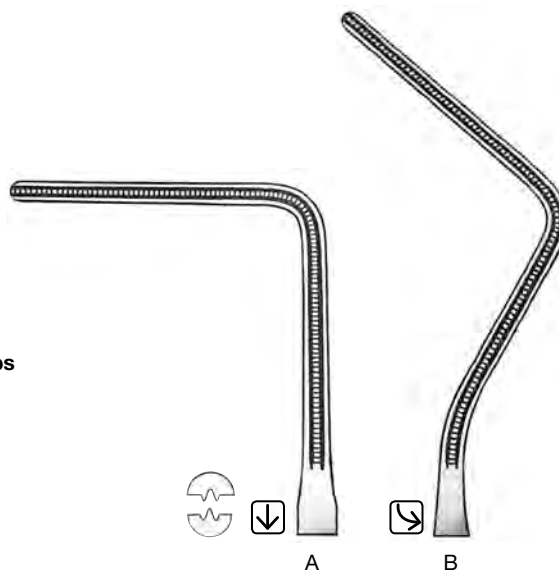
Lees
Bronchus Clamps



22-0051

**Lees
Bronchus Clamps**

- A 22-0050
23 cm/9''
[22-0050.TI](#)
- B 22-0051
25 cm/10''
[22-0051.TI](#)





Lemole-Strong

Aorta Clamp

22-1806



Diethrich

Aortic Clamp

22-0270



22-0244

Kay

Aortic Clamp



22-0245.TI

Titanium Lambert-Kay

Aortic Clamp



Kay Aortic Clamp

A 22-0244
[22-0244.T1](#)
 20 cm/8"

Lambert-Kay Aortic Clamp

B 22-0245
[22-0245.T1](#)
 20 cm/8"



A

B

C

Ochsner Aortic Clamp

C 22-0265
 23.5 cm/9"

Liddle Aortic Clamp

D 22-0268
 27 cm/10¼"

Diethrich Aortic Clamp

E 22-0270
 21 cm/8¼"

Lemole-Strong Aorta Clamps

F 22-1801
 20.5 cm/8"

G 22-1806
 20.5 cm/8"



D

E

F

G



22-0370

DeBakey

Tangential Occlusion Clamps

22-0378.80

Satinsky

Liver Transplant Clamps

DeBakey-Satinsky

Vena Cava Clamps

22-0392

DeBakey-Satinsky**Vena Cava Clamps**

A	22-0394	23.5 cm/9"
	22-0394.TI	
B	22-0392	24 cm/9¼"
	22-0392.TI	
C	22-0390	24.5 cm/9¼"
	22-0390.TI	

DeBakey**Tangential Occlusion Clamps**

D	22-0370	20 cm/8"
	22-0370.TI	
E	22-0372	25 cm/10"
	22-0372.TI	
F	22-0374	26 cm/10¼"
	22-0374.TI	
G	22-0376	26.5 cm/10¼"
	22-0376.TI	
H	22-0378	27 cm/10½"
	22-0378.TI	

Derra-Satinsky

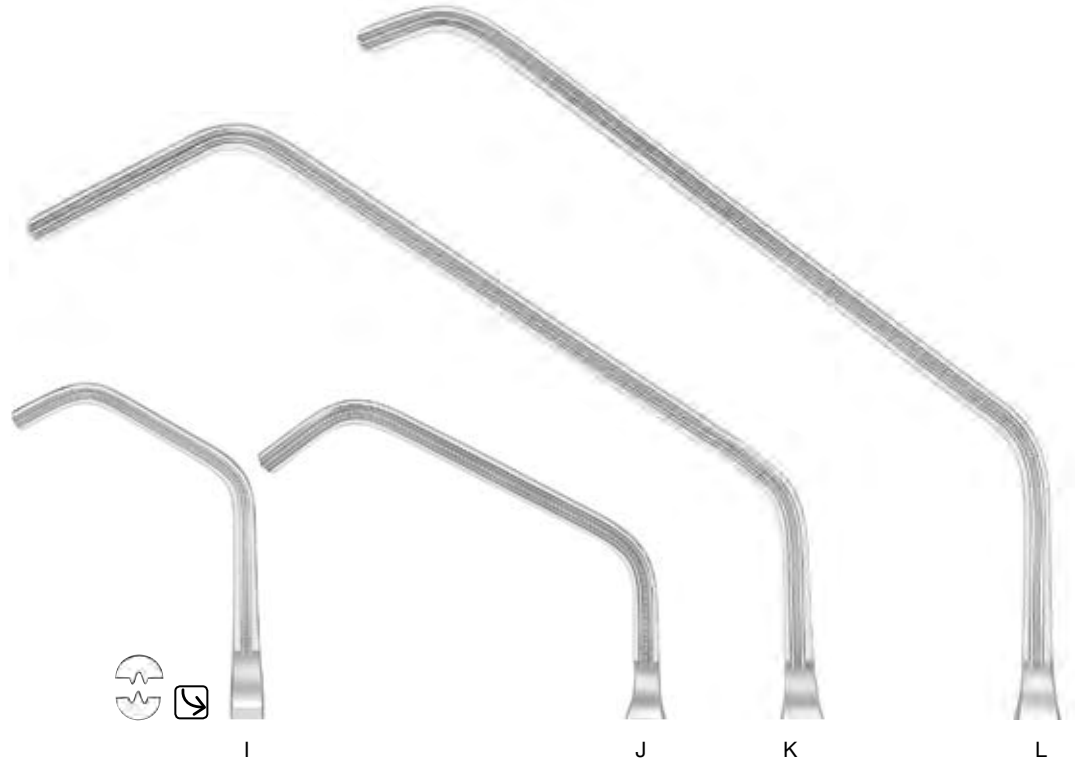
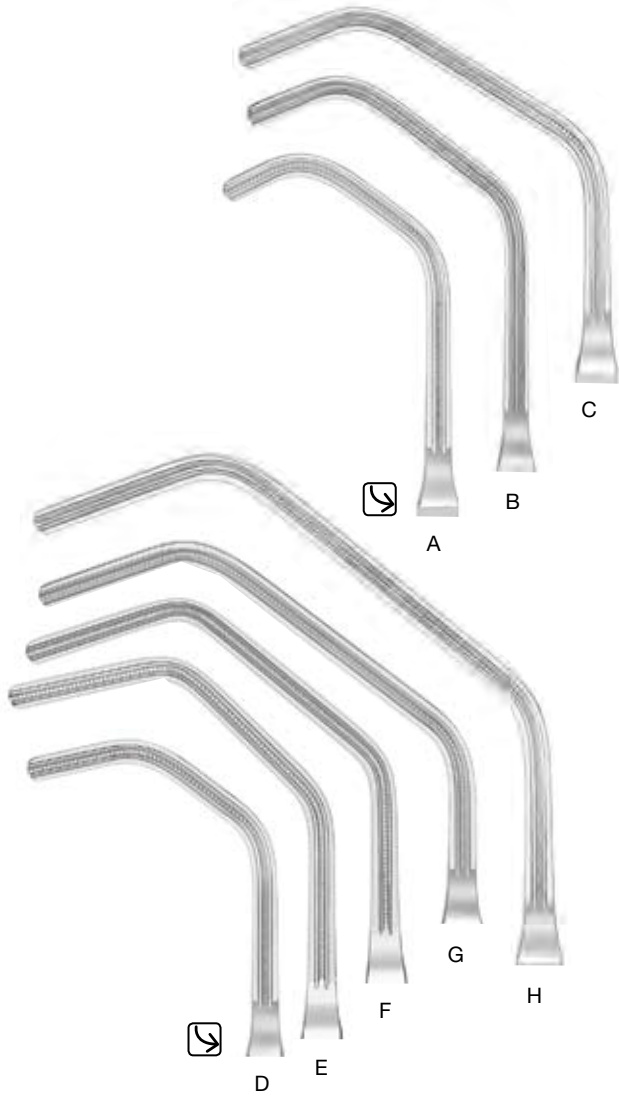
I	22-0493	17 cm/6½"
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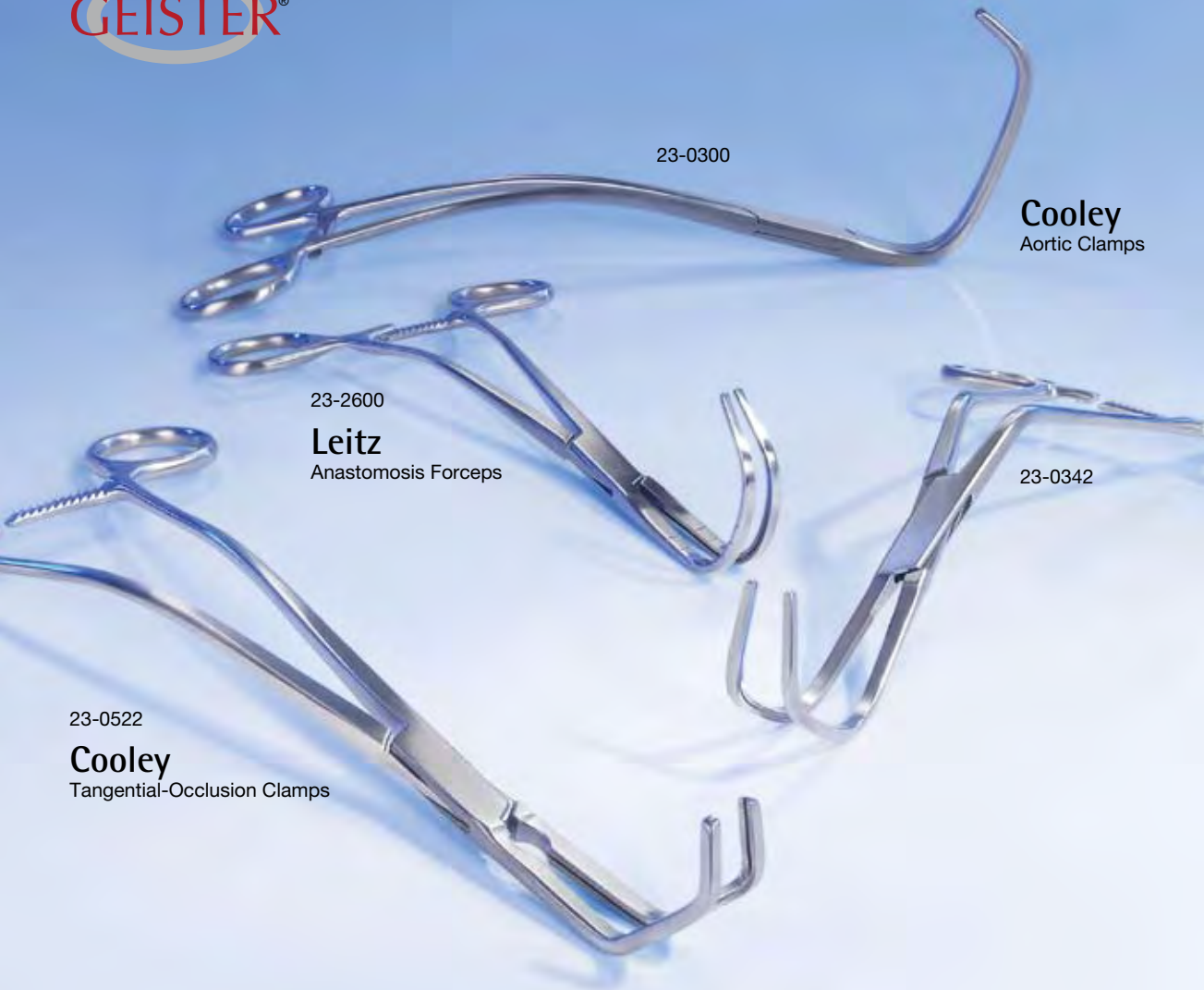
Satinsky

J	22-0387	22.5 cm/8½"
---	---------	-------------

Satinsky**Liver Transplant Clamps**

K	22-0378.80	30 cm/12"
L	22-0378.90	30.5 cm/12"





23-0300

Cooley

Aortic Clamps

23-2600

Leitz

Anastomosis Forceps

23-0522

Cooley

Tangential-Occlusion Clamps

23-0342

Cooley

Aortic Clamps

- A 23-0300
26 cm/10¼"
- B 23-0310
22.5 cm/8½"
- C 23-0322
27 cm/10½"
- D 23-0342
20 cm/8"
- E 23-0350
25.5 cm/10"

Cooley

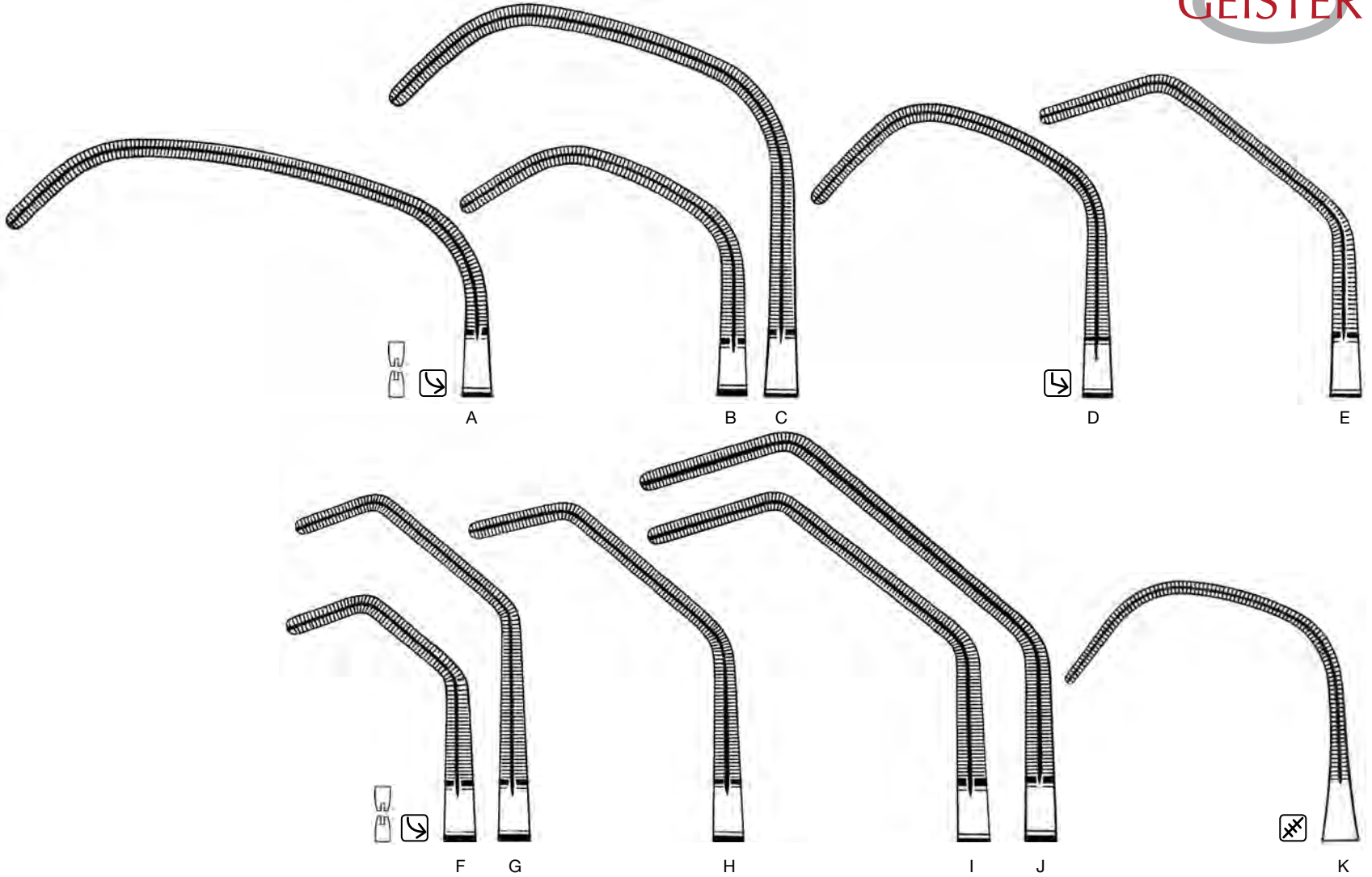
Tangential-Occlusion Clamps

- F 23-0520
20 cm/8"
- G 23-0522
25 cm/10"
- H 23-0524
26 cm/10¼"
- I 23-0526
26.5 cm/10¼"
- J 23-0528
27 cm/10½"

Leitz

Anastomosis Forceps

- K 23-2600
19.5 cm/7½"





DeBakey
Anastomosis Clamp
22-0480

22-0369

Mitchell
Aortomy Clamp



22-0491.T1

22-0491

DeBakey-Derra
Anastomosis Clamps



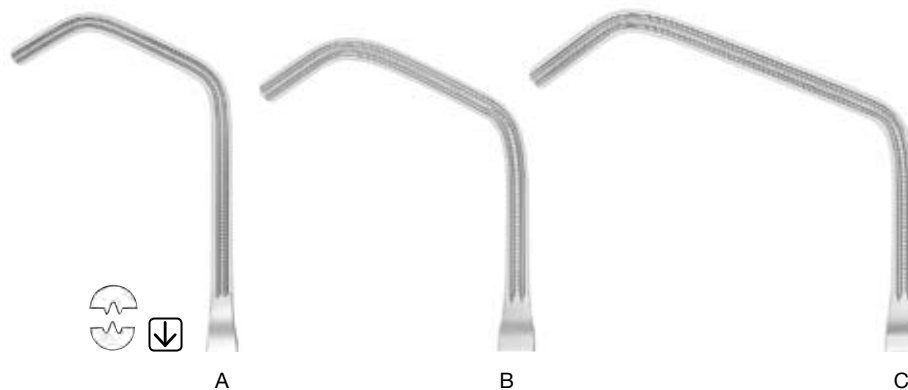
22-0430



DeBakey-Beck
Aortic Clamps

**DeBakey-Beck
Aortic Clamps**

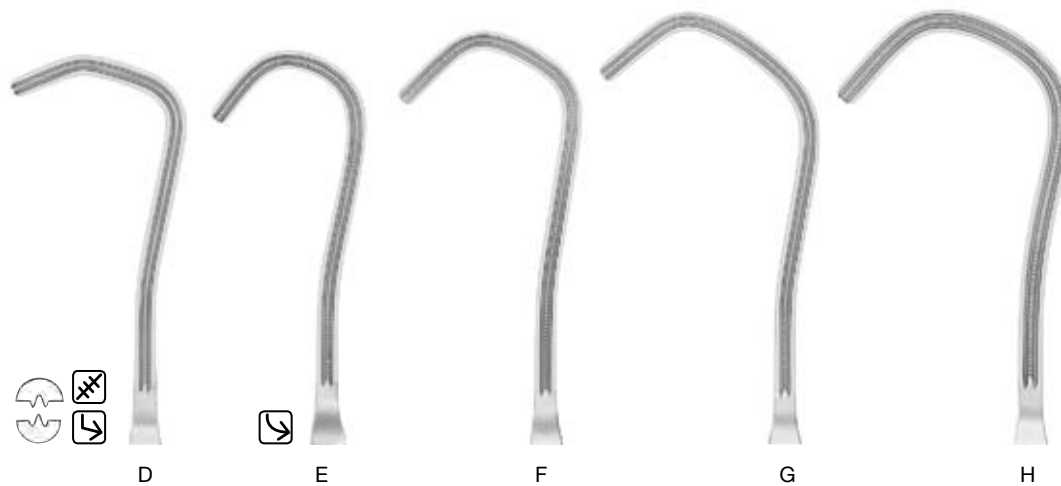
- A 22-0530
[22-0530.TI](#)
 16.5 cm/6¼"
- B 22-0430
 19.5 cm/7½"
- C 22-0431
 20.5 cm/8"


**DeBakey
Anastomosis Clamp**

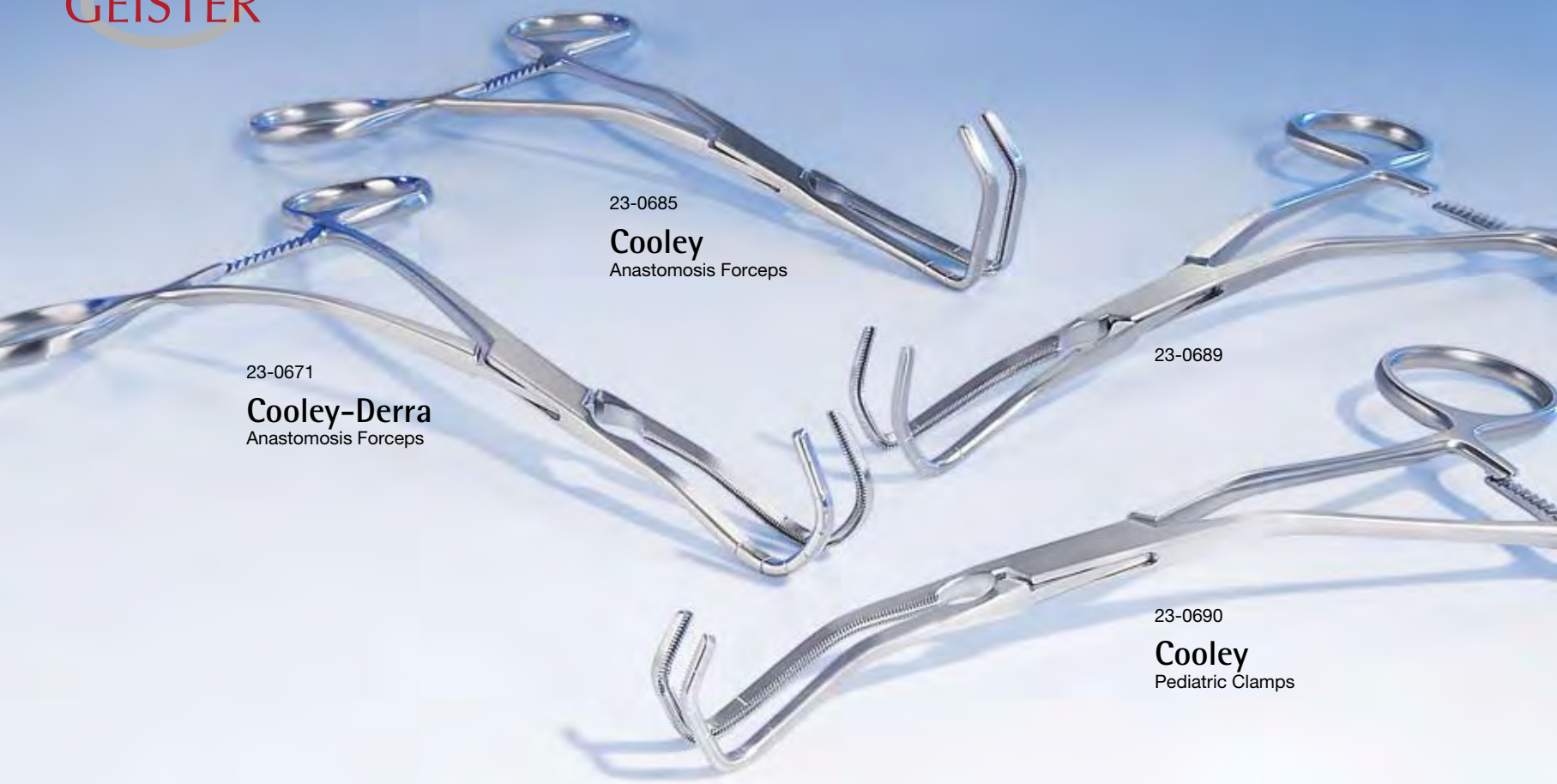
- D 22-0480
 17 cm/6½"

**DeBakey-Derra
Anastomosis Clamps**

- E 22-0490
[22-0490.TI](#)
 17 cm/6½"
- F 22-0491
[22-0491.TI](#)
 17 cm/6½"
- G 22-0492
[22-0492.TI](#)
 17 cm/6½"


**Mitchell
Aortomy Clamp**

- H 22-0369
 20 cm/8"



23-0685
Cooley
Anastomosis Forceps

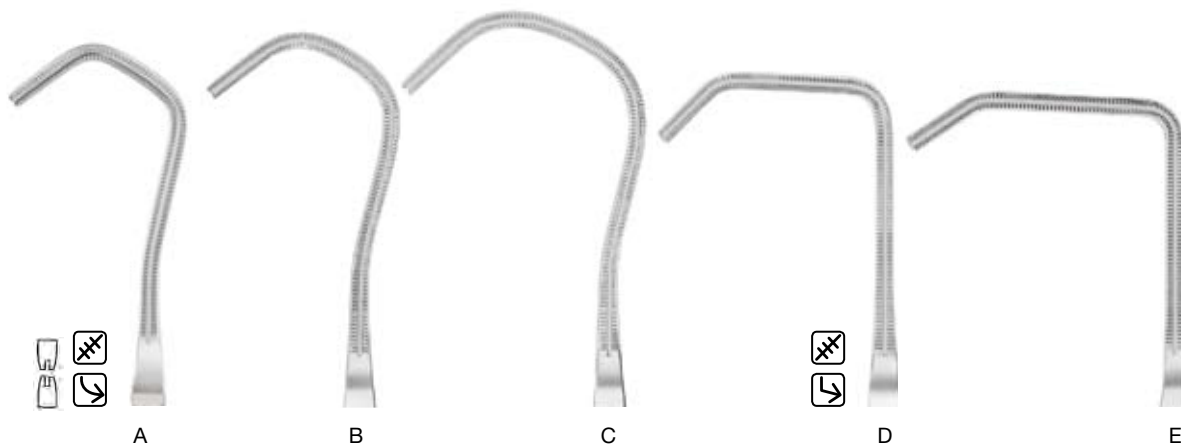
23-0671
Cooley-Derra
Anastomosis Forceps

23-0689

23-0690
Cooley
Pediatric Clamps

**Cooley-Derra
Anastomosis Forceps**

- A 23-0670
16.5 cm/6¼"
- B 23-0671
17 cm/6½"
- C 23-0672
17.5 cm/6½"

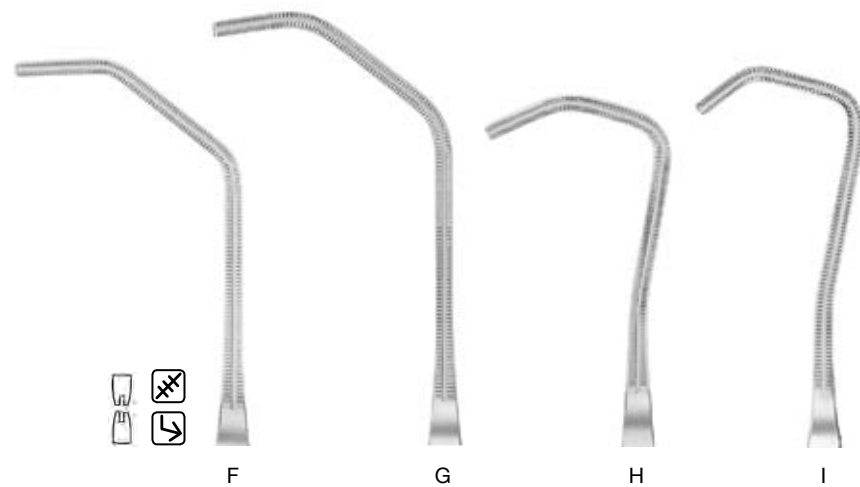


**Cooley
Anastomosis Forceps**

- D 23-0685
16.5 cm/6¼"
- E 23-0686
16.5 cm/6¼"
- F 23-0687
17.5 cm/6½"
- G 23-0688
17.5 cm/6¼"
- H 23-0689
17 cm/6½"

**Cooley
Pediatric Clamps**

- I 23-0690
17.5 cm/6½"





22-0404

DeBakey-Harken
Auricle Clamps



22-0541

DeBakey-Reynolds
Anastomosis Clamps

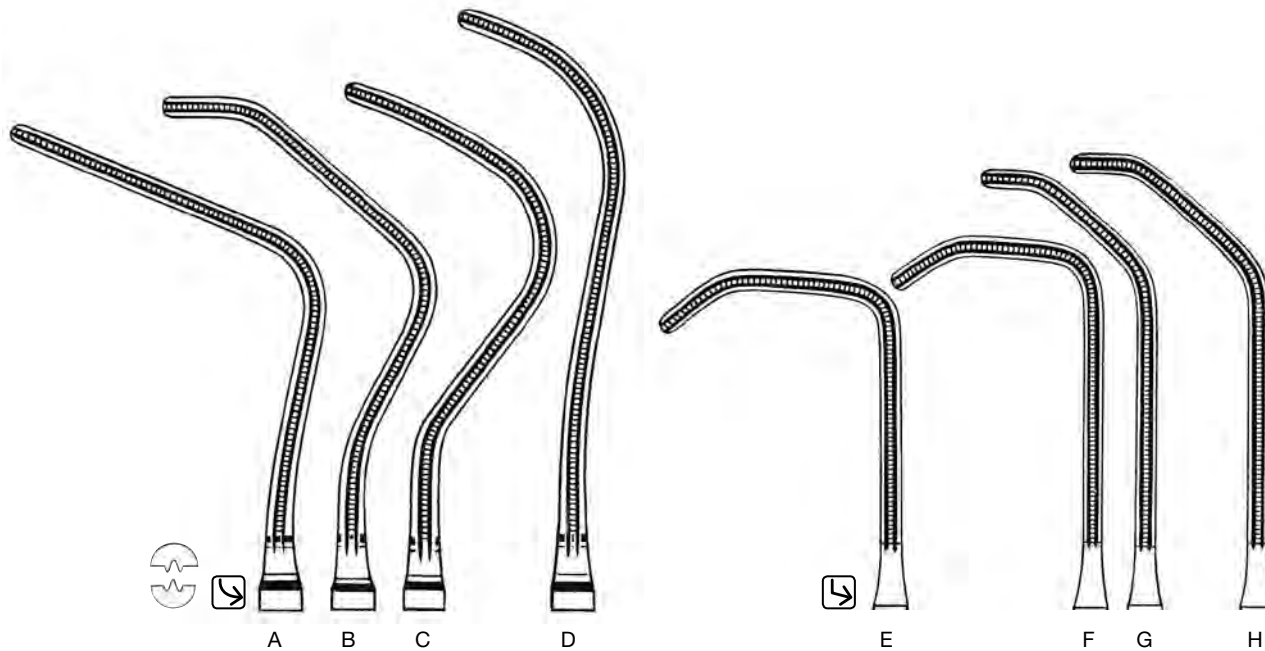


**DeBakey-Harken
Auricle Clamps**

- A 22-0408
24 cm/9½"
- B 22-0404
24 cm/9½"
- C 22-0402
24 cm/9½"
- D 22-0400
25 cm/10"

**DeBakey-Reynolds
Anastomosis Clamps**

- E 22-0543
16.5 cm/6¼"
- F 22-0542
16.5 cm/6¼"
- G 22-0540
18 cm/7"
- H 22-0541
18 cm/7"





22-0210

DeBakey
Vascular Clamps



22-0140

Glover
Vascular Clamps



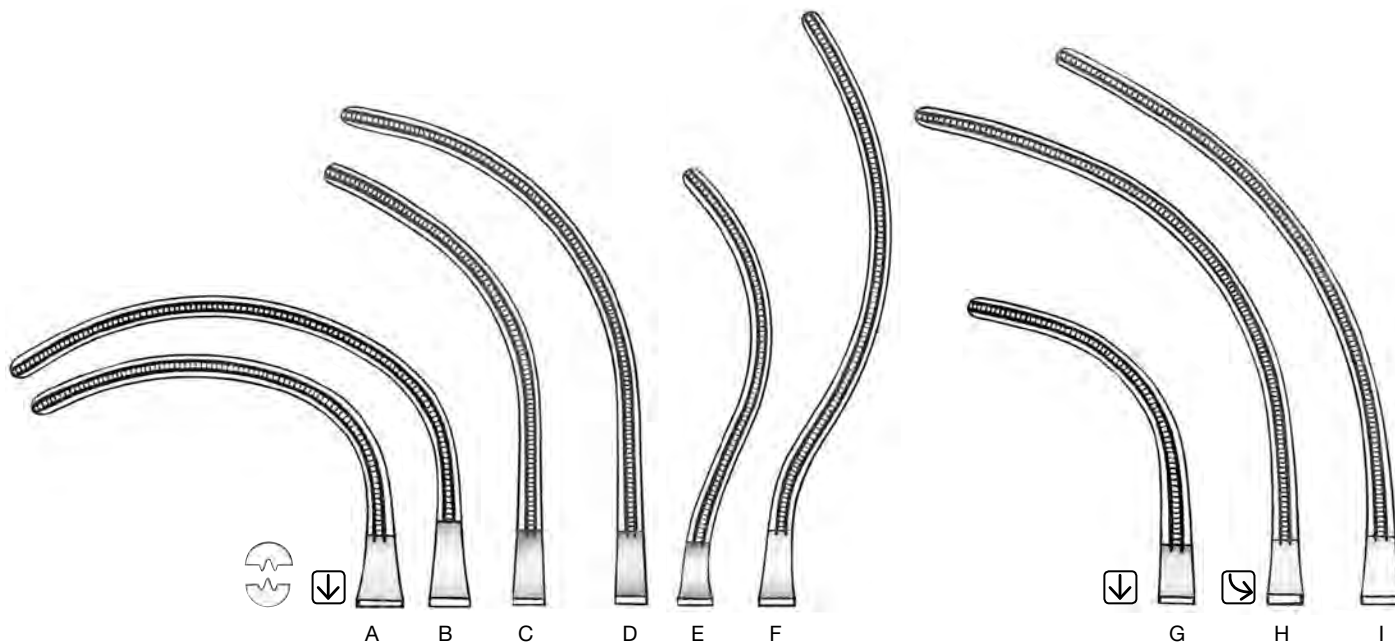
22-0215

Glover

- A 22-0146
18.5 cm/7¼"
- B 22-0147
22 cm/8½"
- C 22-0140
21 cm/8¼"
[22-0140.TI](#)
- D 22-0141
24 cm/9½"
[22-0141.TI](#)
- E 22-0150
21 cm/8¼"
[22-0150.TI](#)
- F 22-0151
26 cm/10½"
[22-0151.TI](#)

DeBakey

- G 22-0215
16 cm/6¼"
[22-0215.TI](#)
- H 22-0210
19 cm/7½"
- I 22-0200
20 cm/8"





DeBakey

Aortic Clamp

22-0310



22-0246

Weber

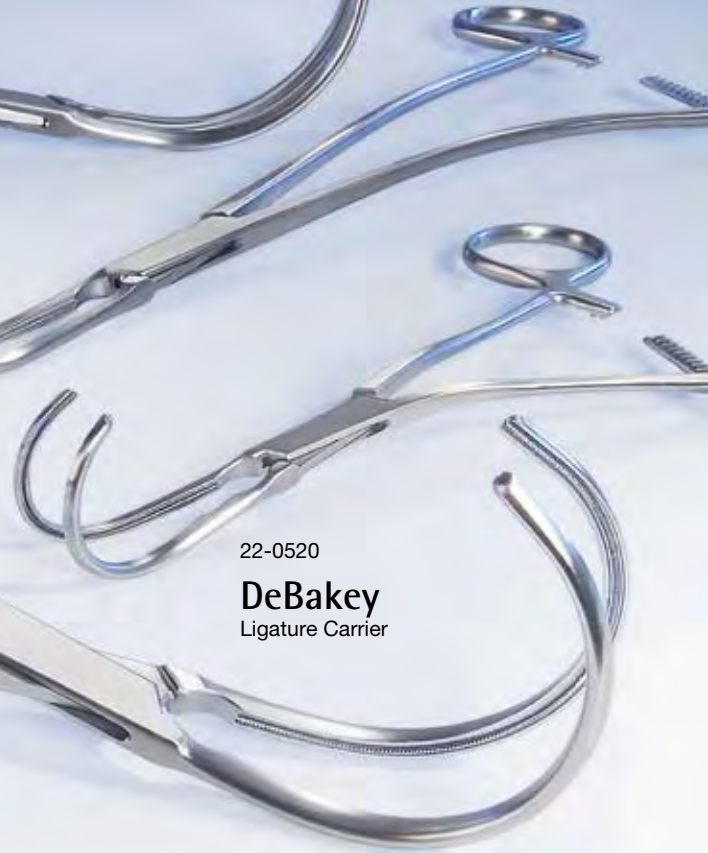
Aortic Clamps



22-0520

DeBakey

Ligature Carrier



DeBakey-Bahnson

Aortic Aneurysm Clamps

22-0300



DeBakey-Bahnson Aortic Aneurysm Clamps

- A 22-0300
24.5 cm/9½''
[22-0300.TI](#)
- B 22-0301
25.5 cm/10''
[22-0301.TI](#)
- C 22-0302
26.5 cm/10½''
[22-0302.TI](#)

DeBakey Ligature Carrier

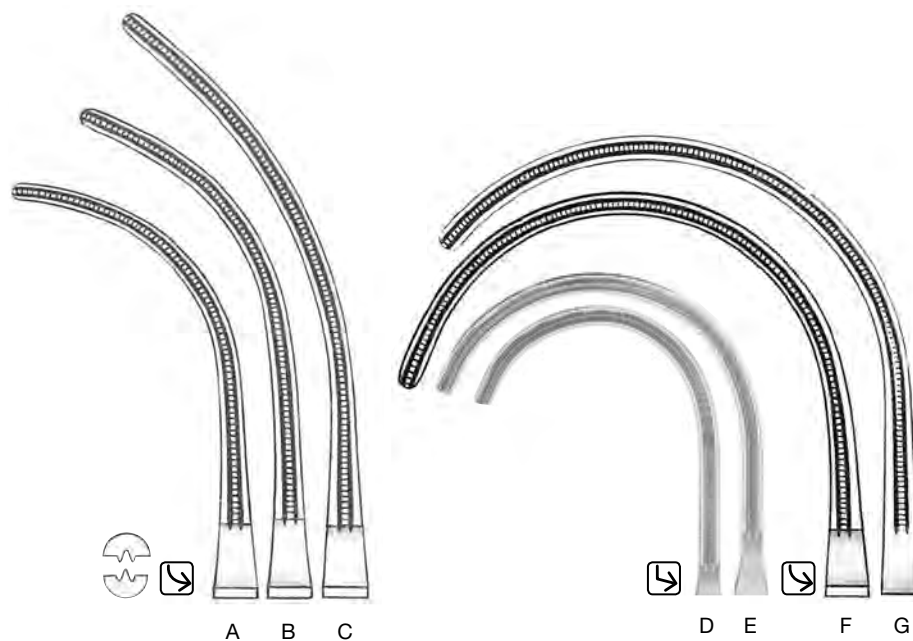
- D 22-0520
17 cm/6½''
- E 22-0521
17 cm/6½''

Weber Aortic Clamps

- | | | |
|---|-------------|--------------|
| F | curved left | curved right |
| | 22-0246 | 22-0248 |
| | 26 cm/10'' | 26 cm/10'' |

DeBakey Aortic Clamp

- G 22-0310
26.5 cm/10½''
[22-0310.TI](#)





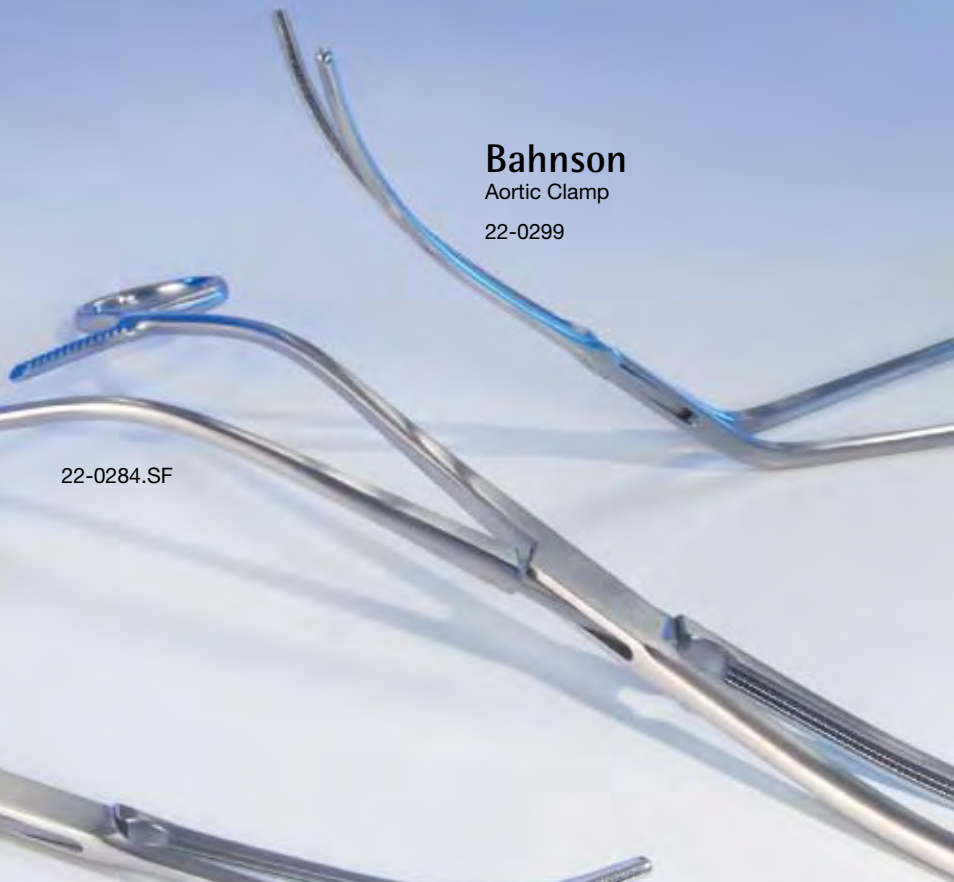
DeBakey
Aortic Aneurysm Clamps



22-0282

22-0284.SF

Bahnson
Aortic Clamp
22-0299



**Bahnsen Aortic Clamp**

A 22-0299 27 cm/10¾"

DeBaKey**Aortic Aneurysm Clamps**

B 22-0280 24cm/9½"

C 22-0282 27cm/10½"

D 22-0285 31cm/12¼"

S-curved:

22-0285.SF 31cm/12¼"

E 22-0287 33.5cm/13"

S-curved:

22-0287.SF 33.5cm/13"

F 22-0284 31cm/12¼"

[22-0284.TI](#)

S-curved:

22-0284.SF 31cm/12¼"

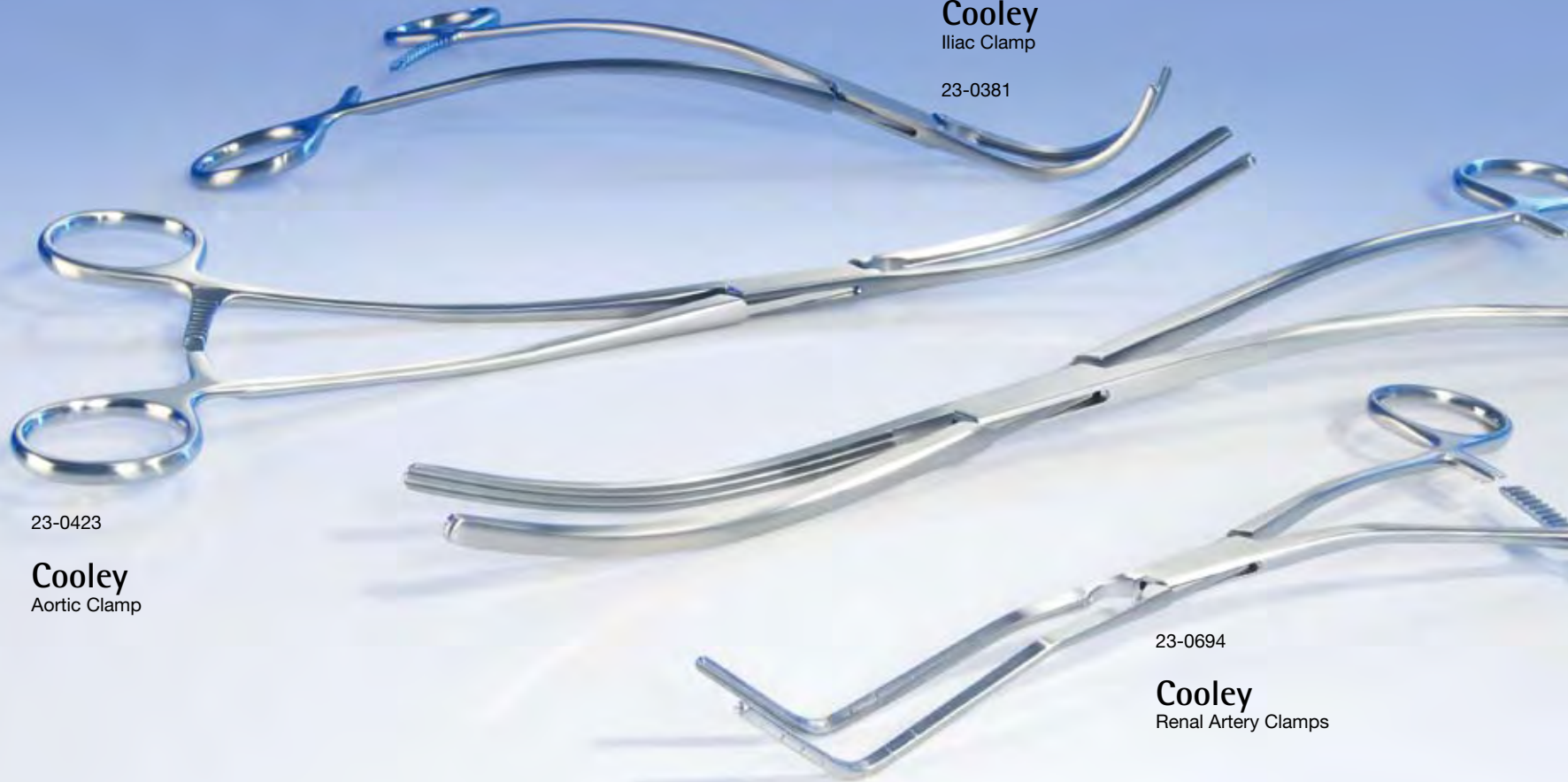
G 22-0286 33.5cm/13"

[22-0286.TI](#)

S-curved:

22-0286.SF 33.5cm/13"





Cooley
Iliac Clamp

23-0381

23-0423

Cooley
Aortic Clamp

23-0694

Cooley
Renal Artery Clamps

Cooley

Aortic Clamp

23-0455

Cooley Aortic Clamp

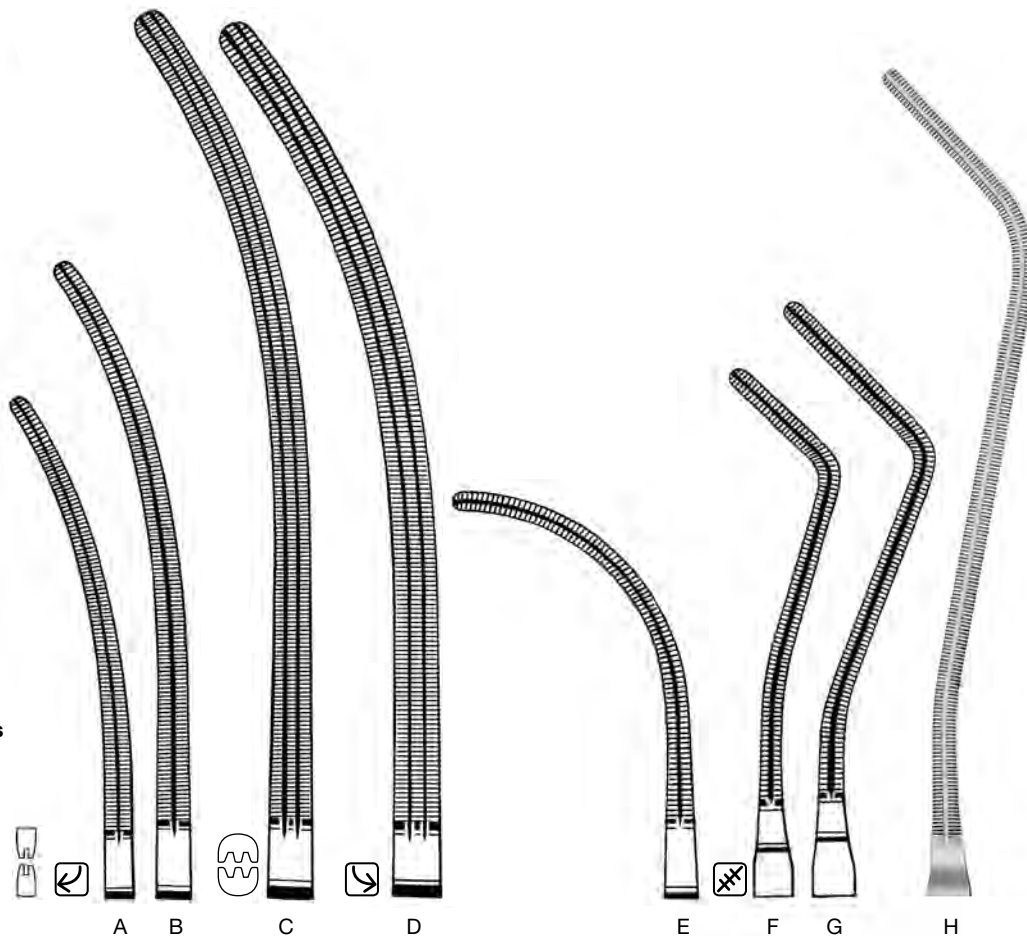
- A 23-0435
19 cm/7½"
- B 23-0423
26.5 cm/10¼"
- C 23-0427
33.5 cm/13"
- D 23-0455
31.5 cm/12¼"

Cooley Iliac Clamp

- E 23-0381
24 cm/9½"

Cooley Renal Artery Clamps

- F 23-0692
18.5 cm/7"
- G 23-0694
19.5 cm/7½"
- H 23-0696
27,5 cm/11"





Atraumatic Vascular Clamps

22-0660

Wylie Hypogastric
and Abdominal Aorta Clamps

22-0440

Zanger
Abdominal Aorta Clamps

22-0315

DeBakey-Semb
Ligature Carrier

**DeBakey-Semb
Ligature Carrier**

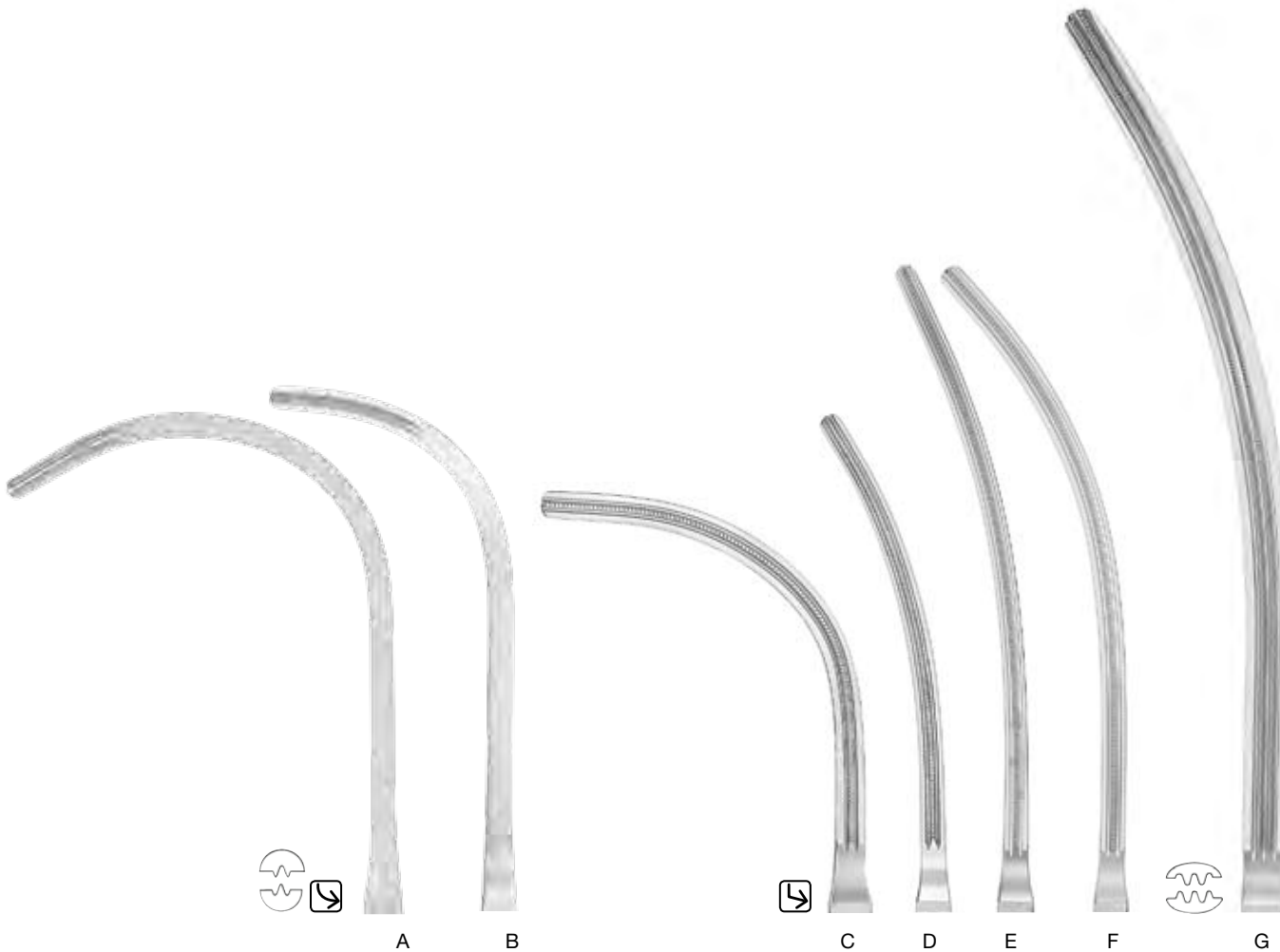
- A 22-0315
27 cm/10¼"
- B 22-0316
24 cm/9½"

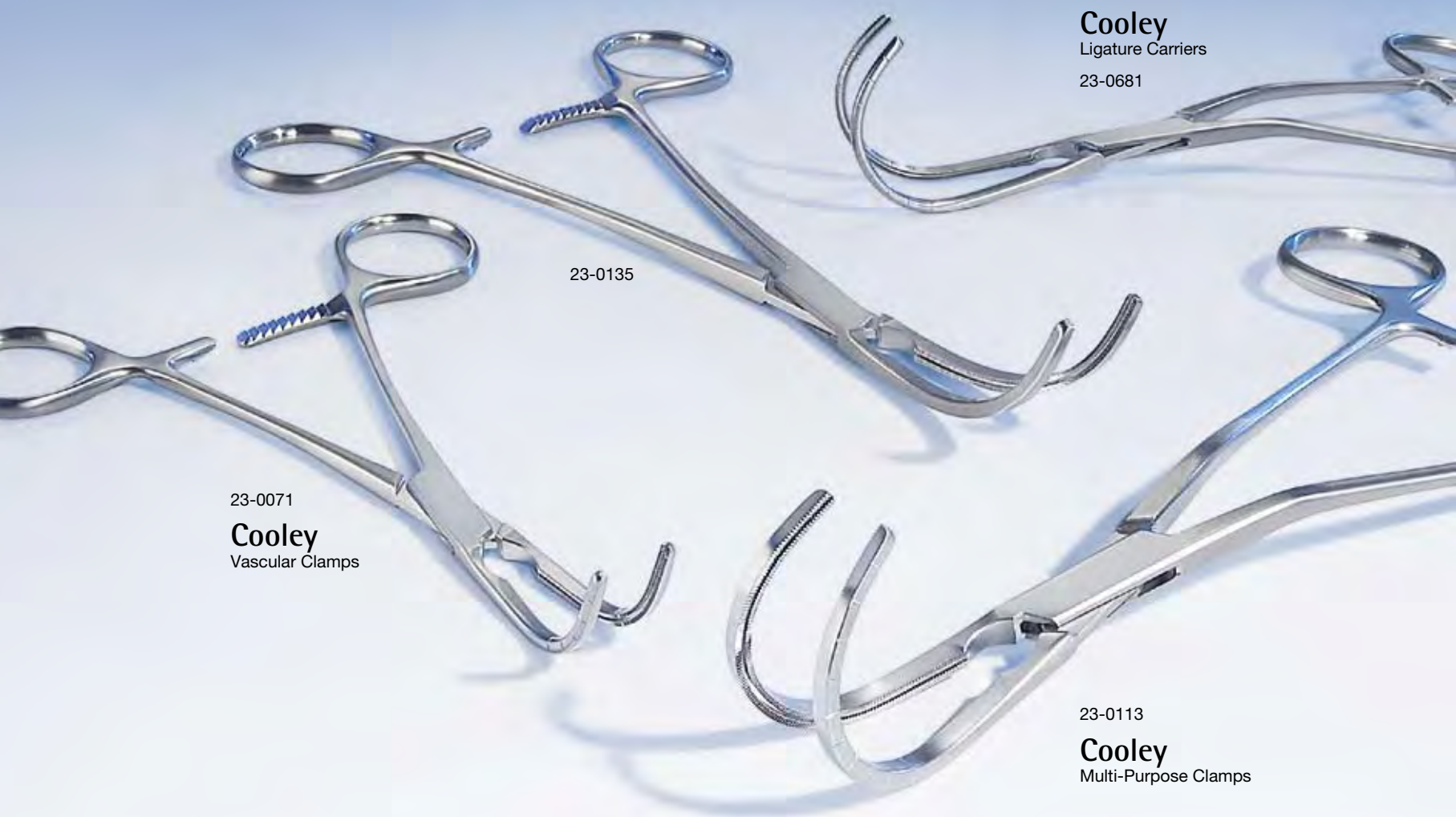
**Wylie
Hypogastric and
Abdominal Aorta Clamps**

- C 22-0661
26 cm/10¼"
- D 22-0660
24 cm/9½"

**Zanger
Abdominal Aorta Clamps**

- E 22-0440
21.5 cm/8¼"
- F 22-0441
25 cm/10"
- G 22-0442
30.5 cm/12"





Cooley
Ligature Carriers
23-0681

23-0135

23-0071
Cooley
Vascular Clamps

23-0113
Cooley
Multi-Purpose Clamps



**Cooley
Vascular Clamps**

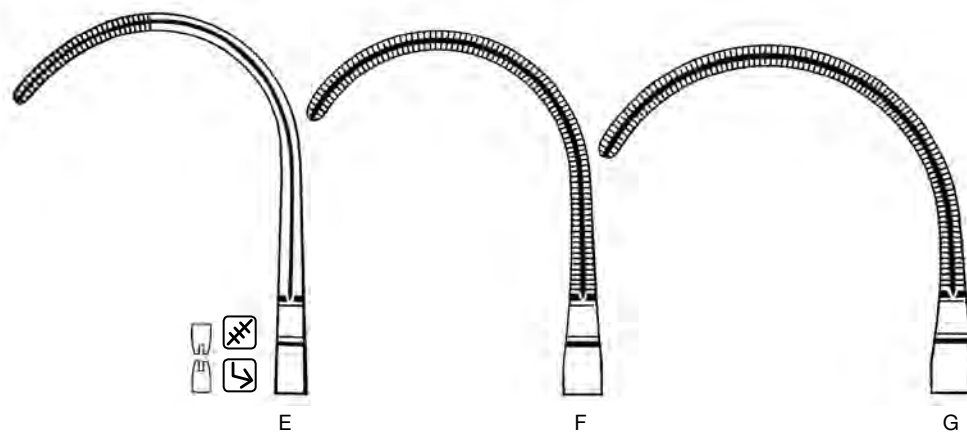
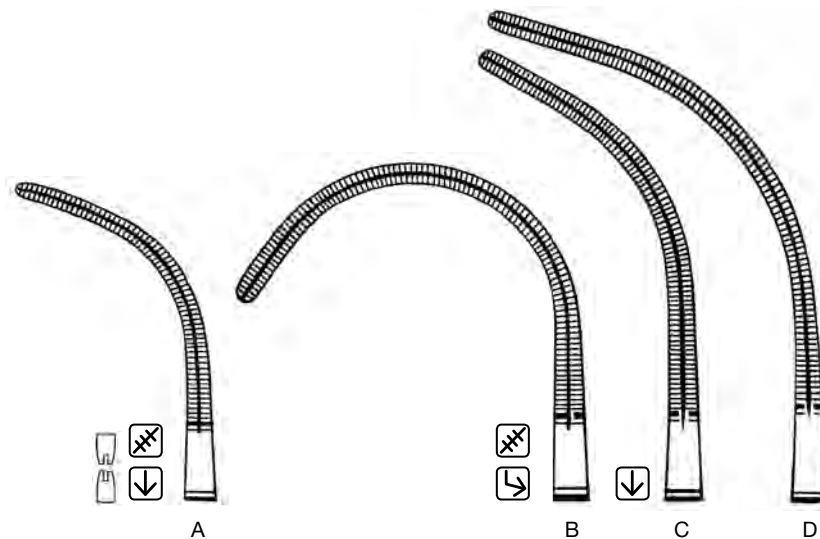
- A 23-0071
16 cm/6¼"

**Cooley
Multi-Purpose Clamps**

- B 23-0113
20 cm/8"
- C 23-0133
21.5 cm/8¼"
- D 23-0135
24.5 cm/9½"

**Cooley
Ligature Carriers**

- E 23-0680
17 cm/6½"
- F 23-0681
17 cm/6½"
- G 23-0682
17 cm/6½"





Cooley
Aortic Clamp
23-0473

23-0090

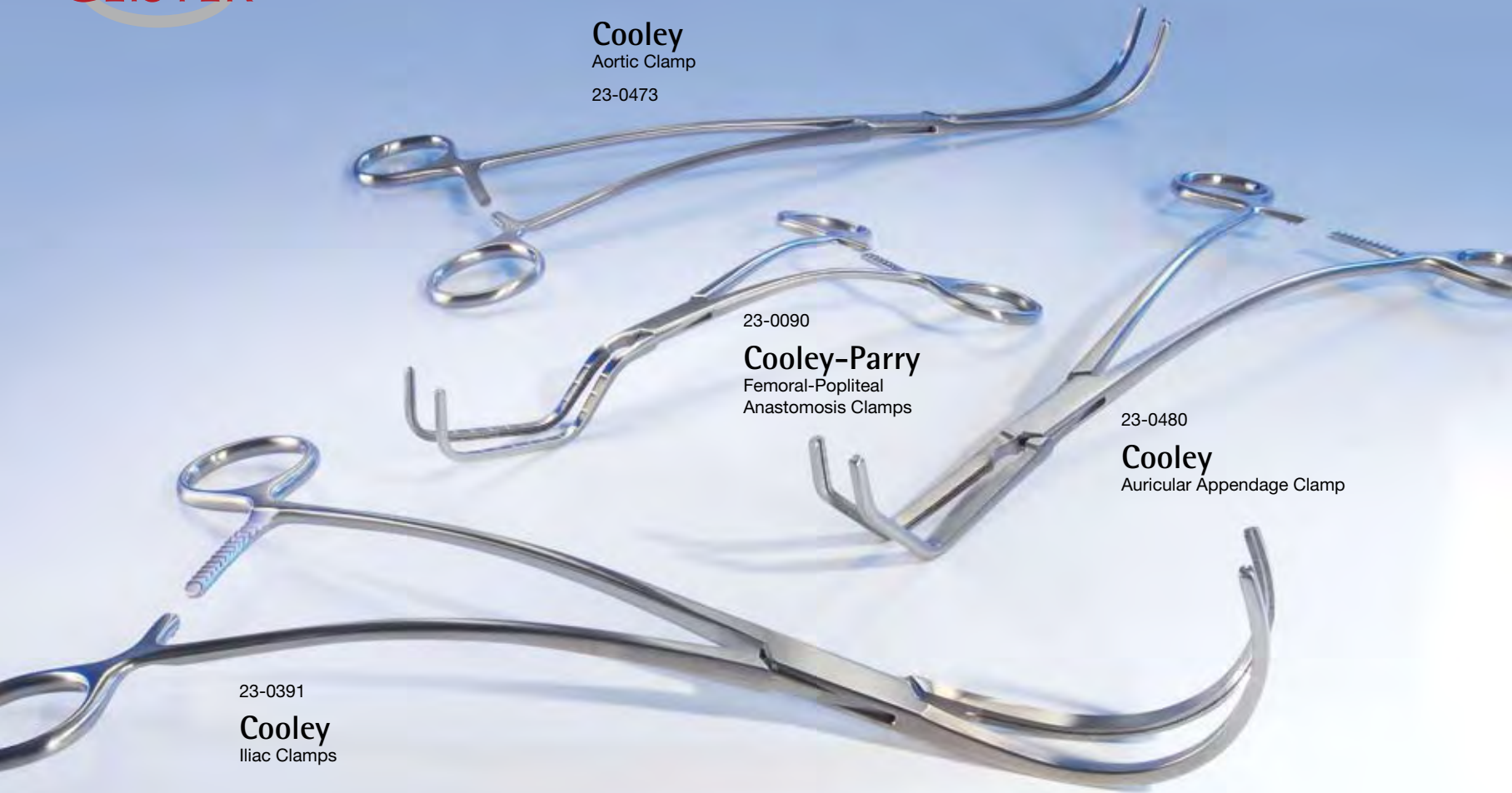
Cooley-Parry
Femoral-Popliteal
Anastomosis Clamps

23-0480

Cooley
Auricular Appendage Clamp

23-0391

Cooley
Iliac Clamps



**Cooley-Parry
Femoral-Popliteal Anastomosis
Clamps**

- A 23-0090
18 cm/7''
B 23-0092
26 cm/10¼''

**Cooley
Iliac Clamps**

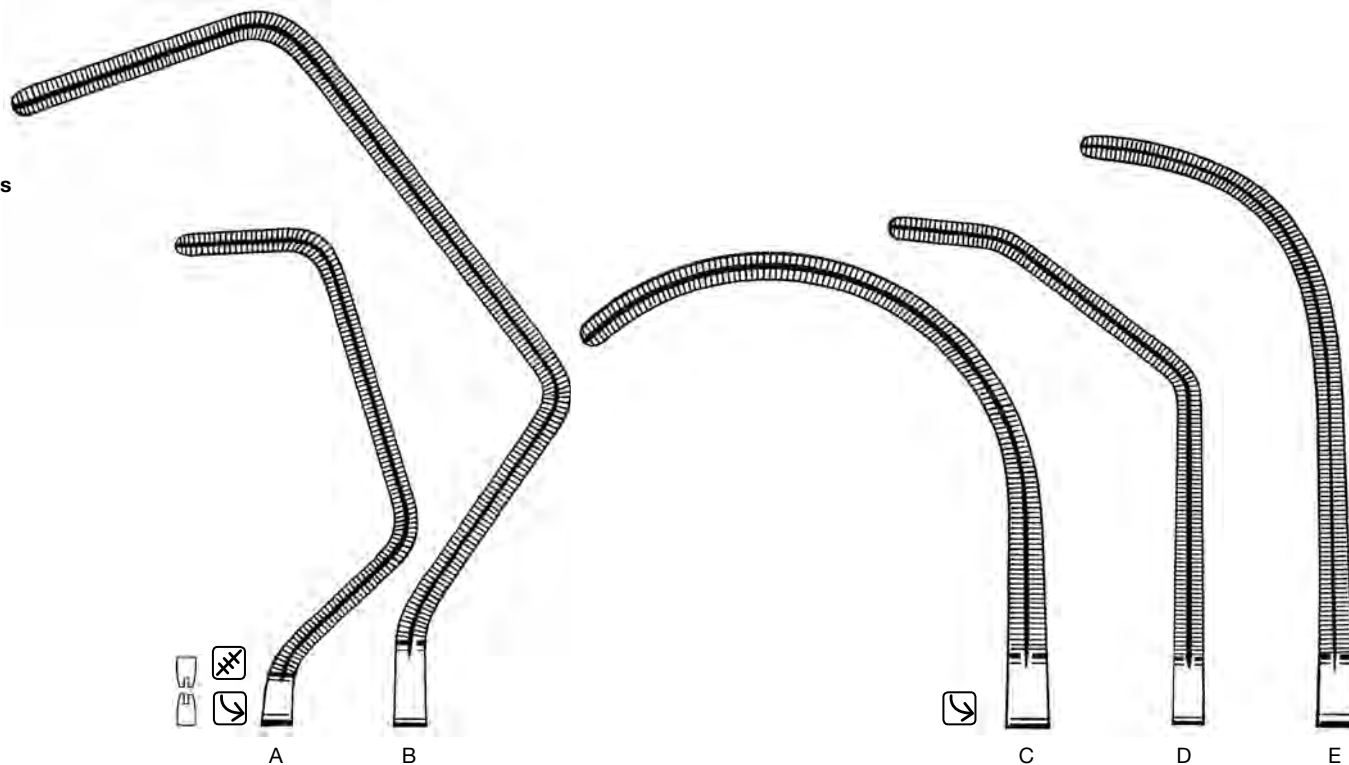
- C 23-0391
27.5 cm/10½''

**Cooley
Auricular Appendage Clamp**

- D 23-0480
25 cm/10''

**Cooley
Aortic Clamp**

- E 23-0473
27 cm/10½''



**Henly**

Subclavian Artery Clamp

22-0598



22-0384

Wylie

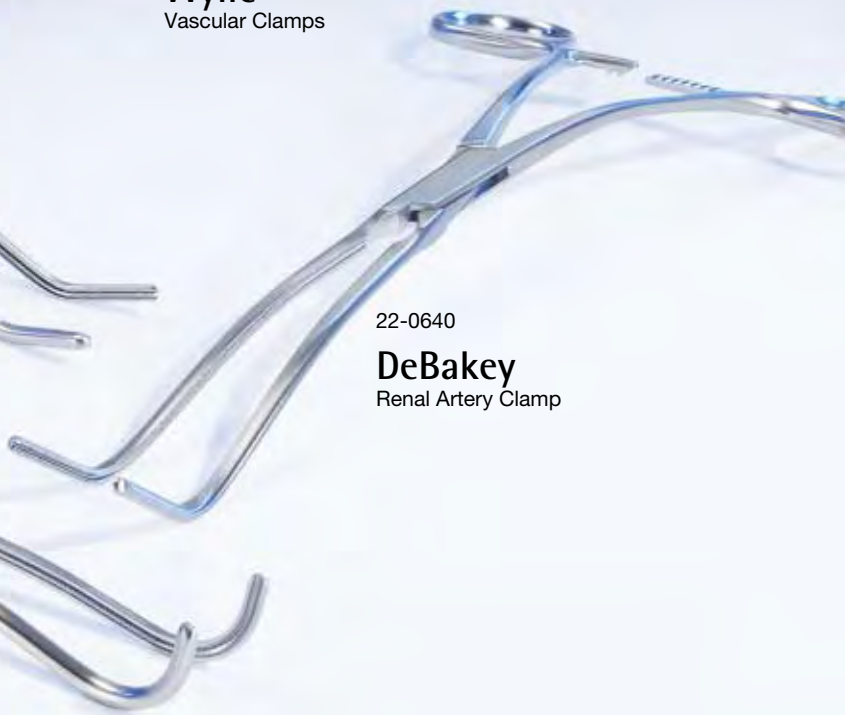
Vascular Clamps



22-0640

DeBakey

Renal Artery Clamp



22-0549

DeBakey

Dissecting and Ligature Forceps



**DeBakey
Renal Artery Clamp**

A 22-0640
20 cm/8"

**DeBakey
Dissecting and
Ligature Forceps**

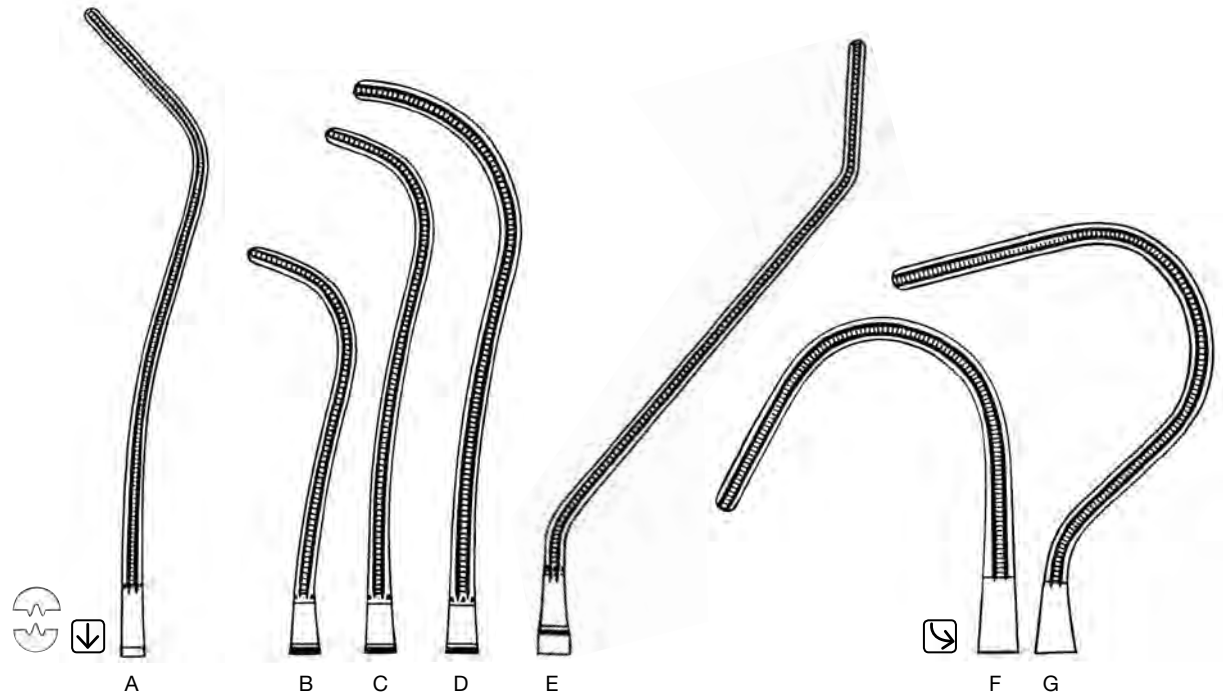
B 22-0550
20.5 cm/8"
[22-0550.TI](#)
20.5 cm/8"
C 22-0549
19 cm/7½"
22-0552
21.5 cm/8¼"
[22-0552.TI](#)
21.5 cm/8¼"
D 22-0551
23 cm/9"

**Henly
Subclavian Artery Clamp**

E 22-0598
20 cm/8"

**Wylie
Vascular Clamps**

F 22-0384
21 cm/8¼"
G 22-0386
22 cm/8½"





Atraumatic Vascular Clamps

Wylie Vascular Clamps
shanks curved down
22-0680

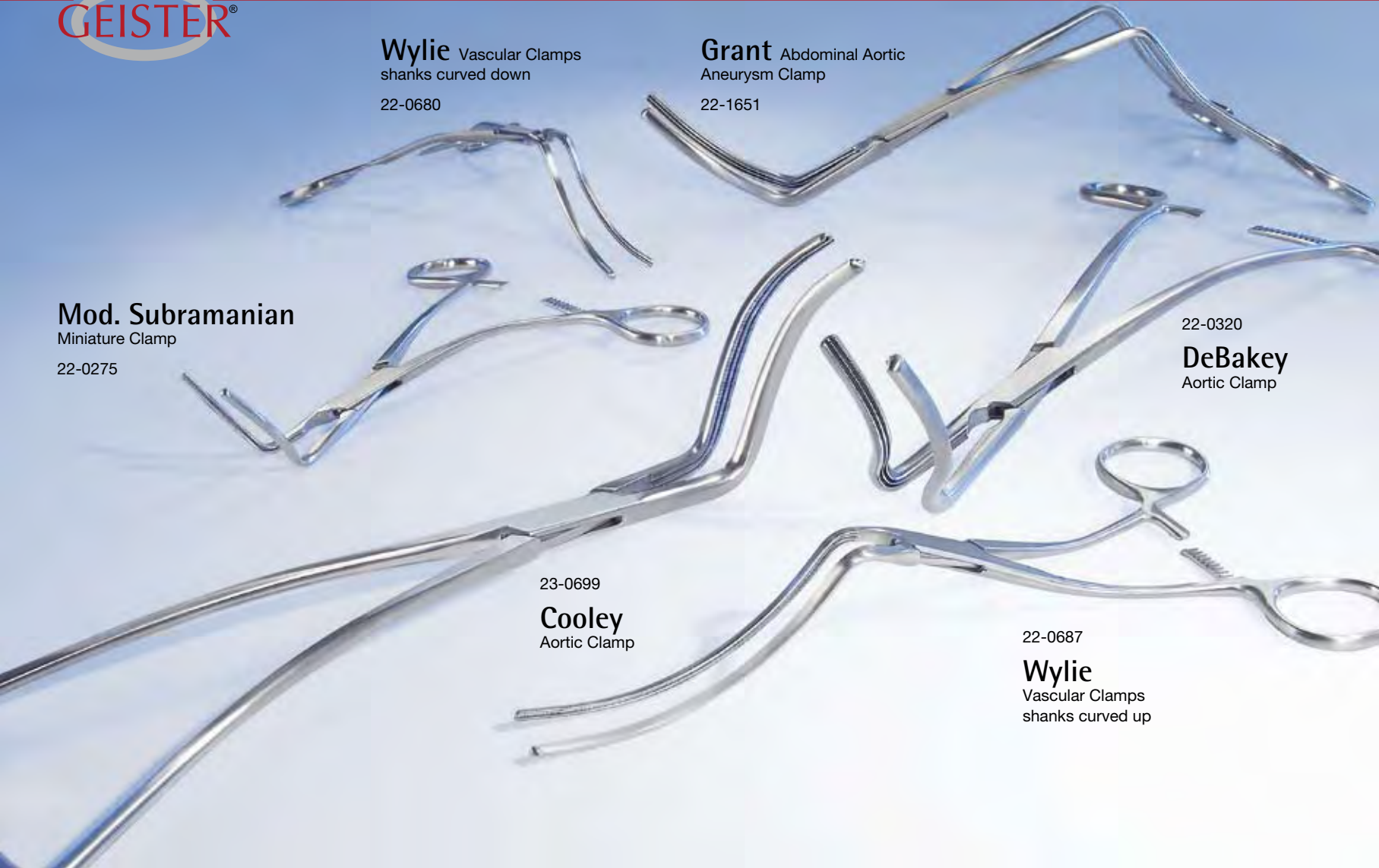
Grant Abdominal Aortic
Aneurysm Clamp
22-1651

Mod. Subramanian
Miniature Clamp
22-0275

22-0320
DeBakey
Aortic Clamp

23-0699
Cooley
Aortic Clamp

22-0687
Wylie
Vascular Clamps
shanks curved up



**Wylie
Vascular Clamps
shanks curved up**

- A 22-0687
19 cm/7½"
- B 22-0685
17 cm/6½"

**Wylie
Vascular Clamps
shanks curved down**

- C 22-0682
19 cm/7½"
- D 22-0680
17 cm/6½"


**Cooley
Aortic Clamp**

- E 23-0699 27 cm/10½"


**Mod. Subramanian
Miniature Clamp**

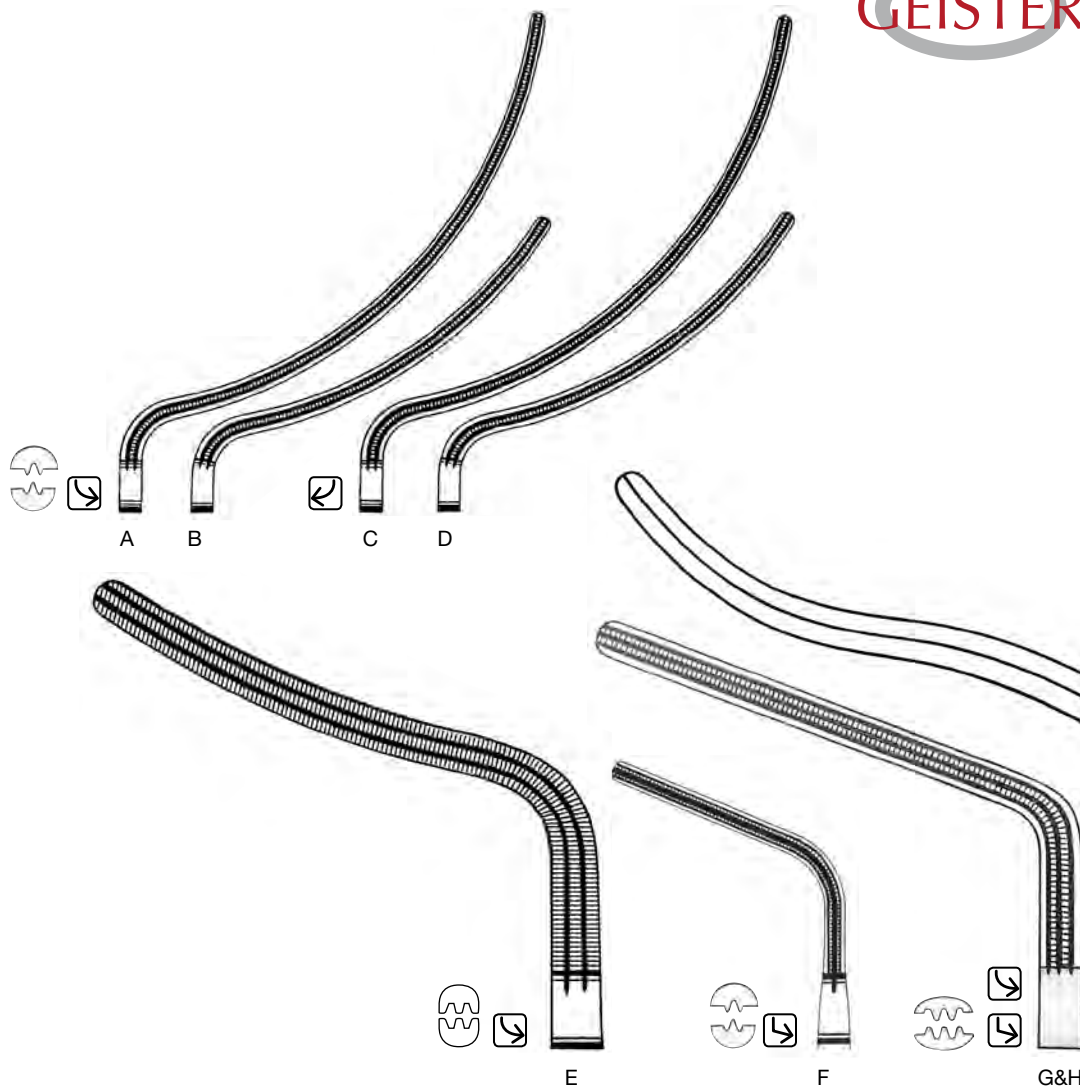
- F 22-0275
16 cm/6¼", 135°

**DeBakey
Aortic Clamp**

- G 22-0320 
27 cm/10¼"
[22-0320.TI](#)

**Grant
Abdominal Aortic Aneurysm Clamp**

- H 22-1651 
24.5 cm/9½"





22-0649

Gregory
Profunda Clamps



22-0651

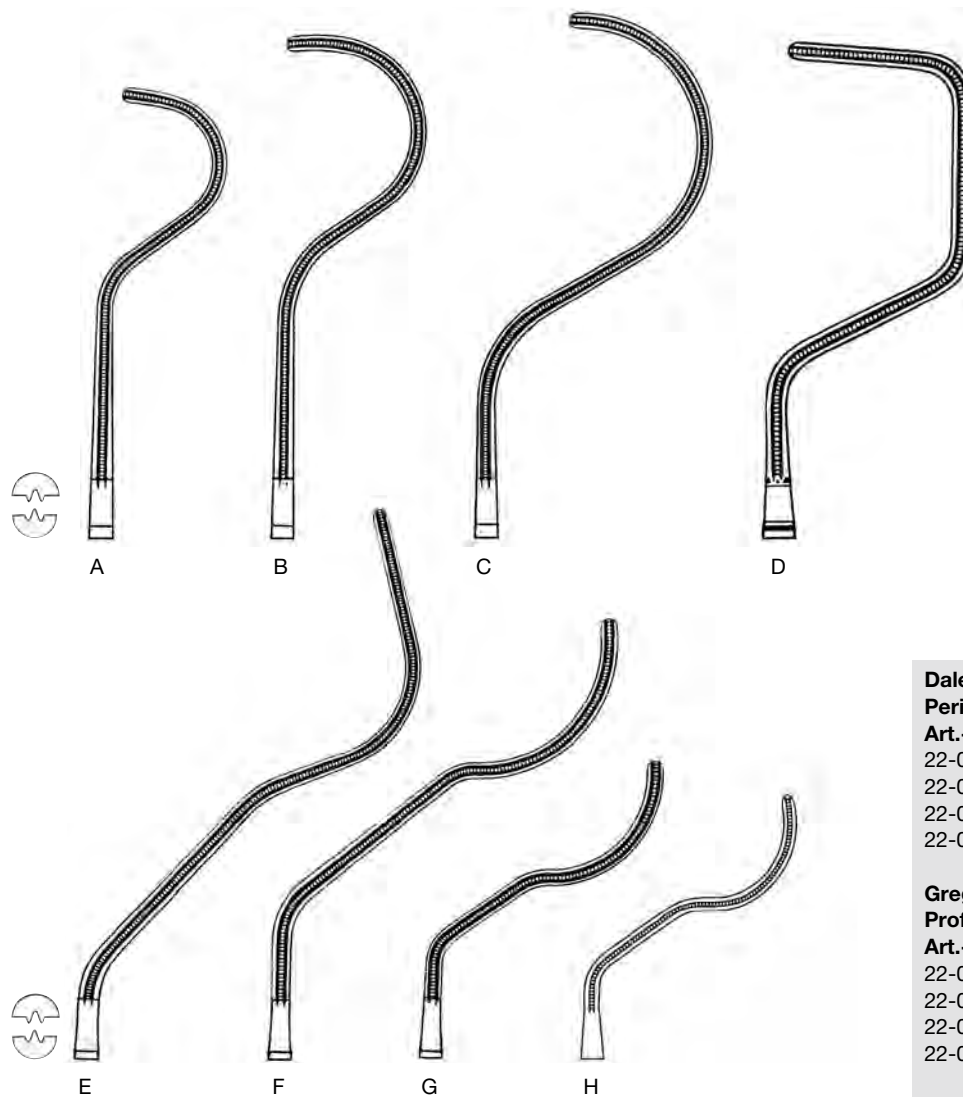
Gregory
Profunda Clamps



22-0414

Dale
Peripheral Vascular Clamps

Atraumatic Vascular Clamps


**Dale
Peripheral Vascular Clamps**

Art.-No.	Fig.	Length
22-0412	A	17 cm/6½"
22-0413	B	17.5 cm/6½"
22-0414	C	18.5 cm/7"
22-0410	D	18.5 cm/7"

**Gregory
Profunda Clamps**

Art.-No.	Fig.	Length
22-0652	E	19.5 cm/7½"
22-0651	F	18 cm/7"
22-0650	G	15.5 cm/6"
22-0649	H	12.5 cm/4½"



Cooley
Caval Occlusion Clamps
23-0626

Dardik
Multi-Purpose Clamps
22-2620

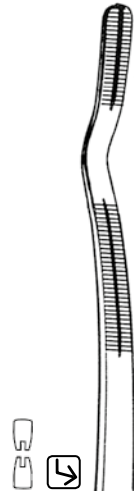
22-2612





**Cooley
Caval Occlusion Clamps**

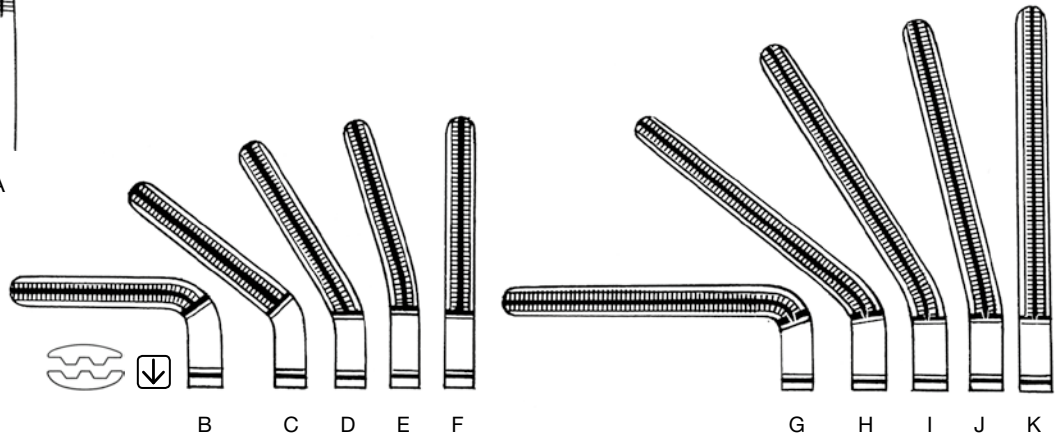
A	23-0620	21 cm/8¼"	20 Ch.
	23-0624	21 cm/8¼"	24 Ch.
	23-0626	21 cm/8¼"	26 Ch.
	23-0628	21 cm/8¼"	28 Ch.
	23-0630	21 cm/8¼"	30 Ch.
	23-0632	21 cm/8¼"	32 Ch.
	23-0634	21 cm/8¼"	34 Ch.
	23-0636	21 cm/8¼"	36 Ch.
	23-0638	21 cm/8¼"	38 Ch.
	23-0640	21 cm/8¼"	40 Ch.



A

**Dardik
Multi-Purpose Clamps**

	Art.-No.	Angle	Length	Weight
B	22-2614	90°	15 cm/6"	28 gr.
C	22-2613	45°	15 cm/6"	28 gr.
D	22-2612	30°	15 cm/6"	28 gr.
E	22-2611	15°	15 cm/6"	28 gr.
F	22-2610	0°	15 cm/6"	28 gr.
G	22-2624	90°	17 cm/6½"	28 gr.
H	22-2623	45°	17 cm/6½"	28 gr.
I	22-2622	30°	17 cm/6½"	28 gr.
J	22-2621	15°	17 cm/6½"	28 gr.
K	22-2620	0°	17 cm/6½"	28 gr.



These clamps can be used in a variety of applications in general or vascular surgery as well as in pediatric surgery. The 4.4 mm wide jaws are semi-flexible and forces are distributed over a broad area. The clamps are ultra light weight (28 gr.) and have the atraumatic DARDIK-serrations.



22-0325
Calne-type



22-1812
Klntmalm-type



22-1827
**Potts/Pittsburg
(German Clamp)**

Klntmalm-type

- A 22-1811
25 cm/10''
65 mm
- B 22-1812
25 cm/10¼''
80 mm
- C 22-1813
25 cm/10½''
95 mm



A

B

C

**Potts/Pittsburg
(German Clamp)**

- D 22-1826
25 cm/10''
55 x 42 mm
- E 22-1827
26 cm/10¼''
60 x 52 mm
- F 22-1829
27 cm/10½''
70 x 72 mm
- G 22-1828
27 cm/10½''
60 x 62 mm



D

E

F

G



H





25-5045

25-5025

25-5030

**straight**

25-5020	17 cm/6½"	33 mm
25-5030	29 cm/11½"	61 mm
25-5055	30 cm/12"	86 mm

**angled with curved shanks**

25-5025	16 cm/6¼"	33 mm
25-5040	26 cm/10¼"	61 mm

**angled with acutely curved shanks**

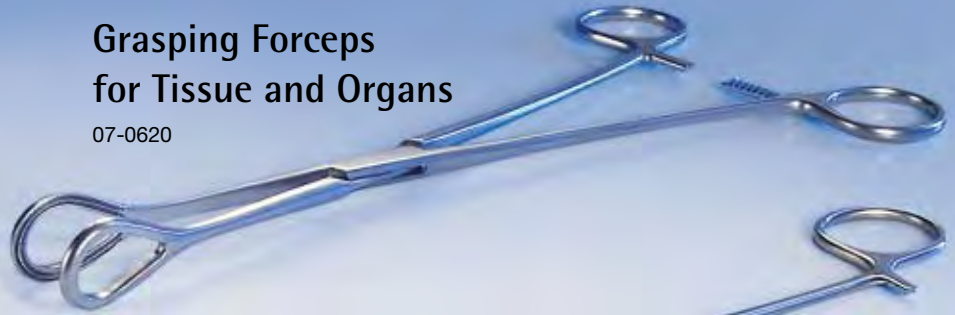
25-5045	26 cm/10¼"	61 mm
25-5050	29 cm/11½"	86 mm





Grasping Forceps for Tissue and Organs

07-0620



07-0662

Duval

Tissue and Organ Holding Forceps



07-0640

Babcock

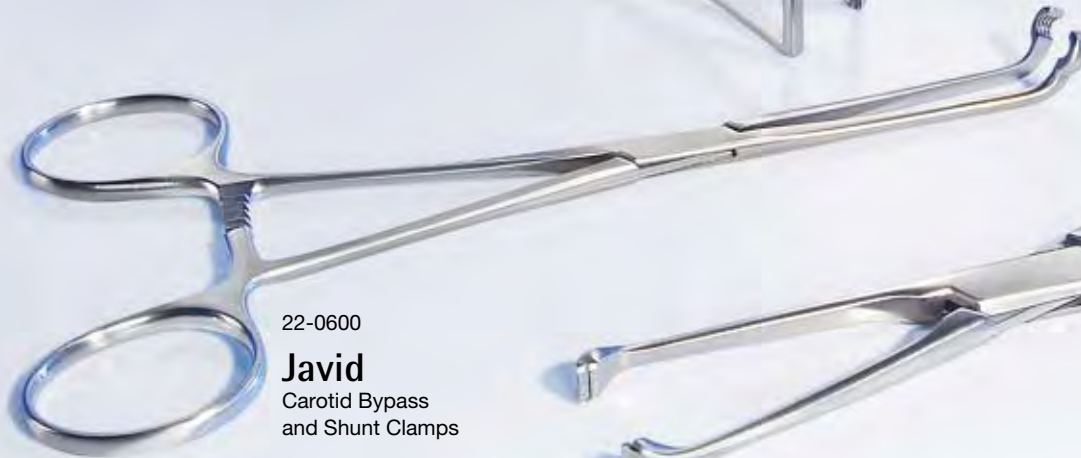
Tissue and Organ
Holding Forceps



22-0600

Javid

Carotid Bypass
and Shunt Clamps



07-0651

Allis Atraumatic

Tissue Seizing Forceps



Javid Carotid Bypass and Shunt Clamps

A	22-0600	17 cm/6½"
B	22-0601	19 cm/7½"

Allis Atraumatic Tissue Seizing Forceps

C	07-0650	15.5 cm/6"
	07-0651	20.0 cm/8"
	07-0652	22.0 cm/8½"
	07-0653	25.0 cm/10"
	07-0654	30.0 cm/12"
D	07-0830	15.0 cm/6"
	07-0831	19.0 cm/7½"

Babcock Tissue and Organ Holding Forceps

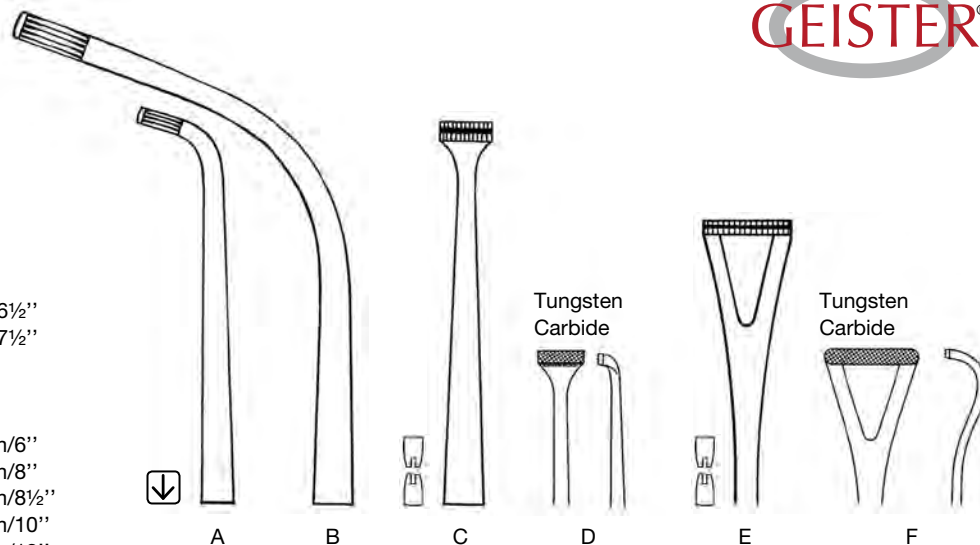
E	07-0640	16 cm/6¼"
	07-0641	21 cm/8¼"
F	07-0800	16 cm/6¼"
	07-0802	20 cm/8"

Duval Tissue and Organ Holding Forceps

G	07-0660	20.5 cm/8"
H	07-0662	20.5 cm/8"

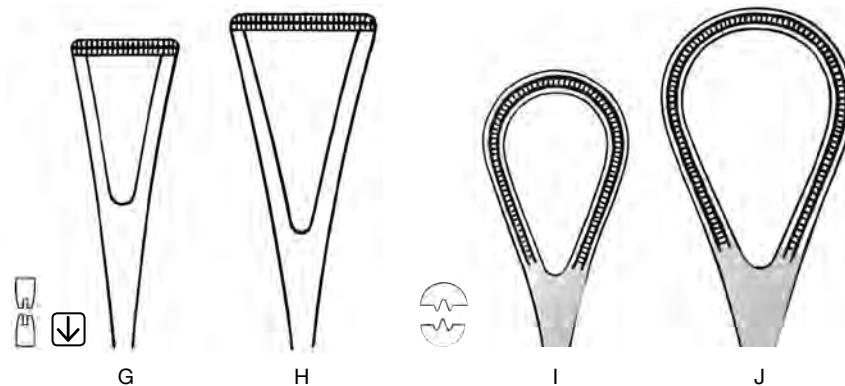
Grasping Forceps for Tissue and Organs

I	07-0620	24 cm/9½"
J	07-0622	26 cm/10¼"



14 mm

18 mm





Tissue Seizing Forceps

Littlewood (UK)

Tissue Forceps

25-2058

Allis

25-2063

Duval

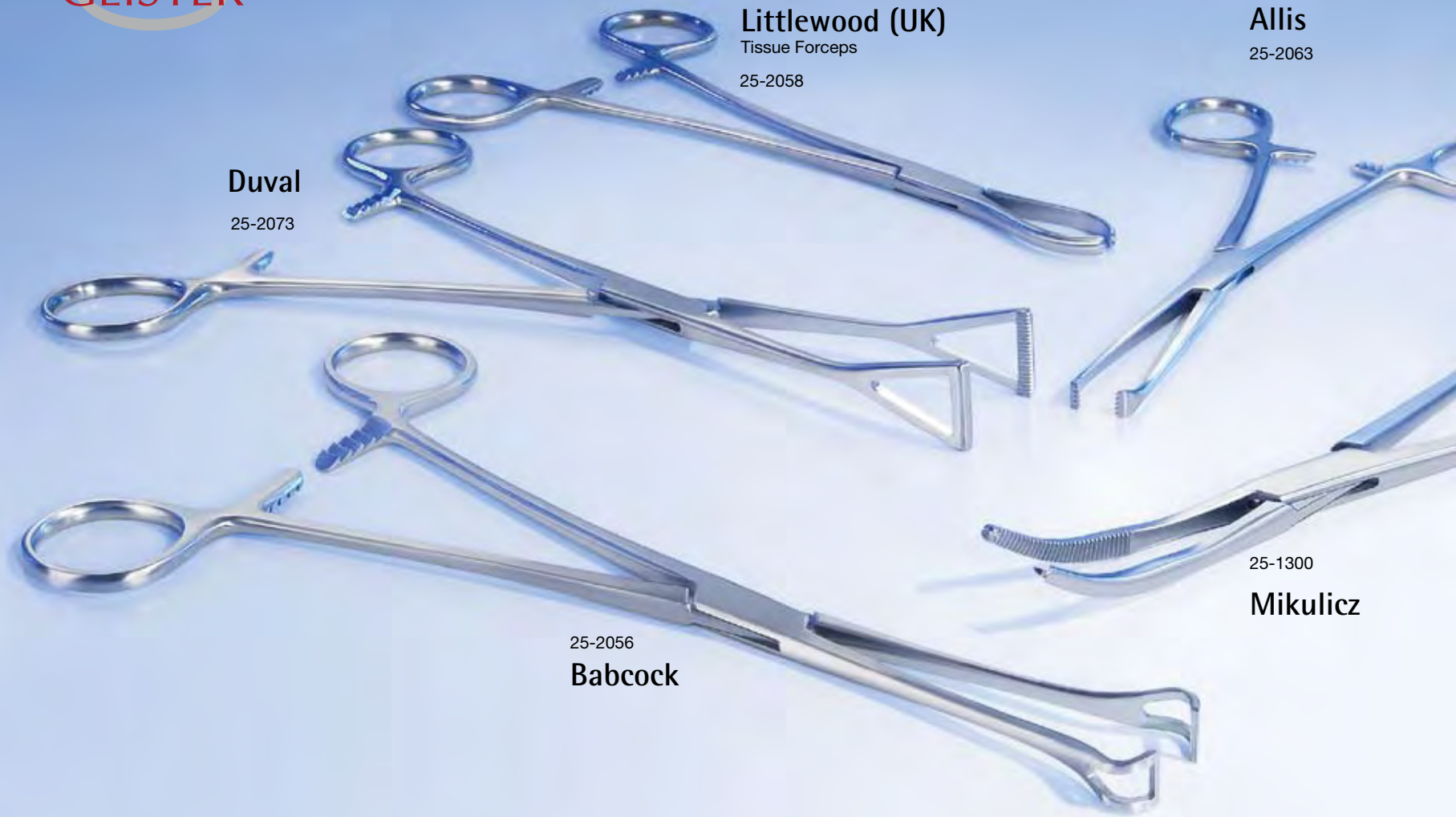
25-2073

25-2056

Babcock

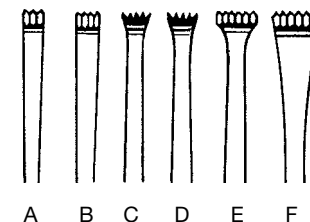
25-1300

Mikulicz

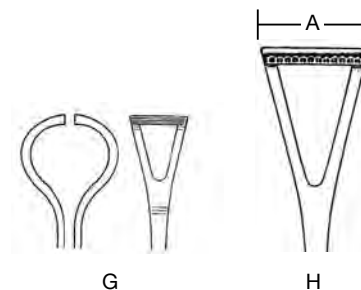


**Allis**

A Allis	25-2068	2 x 3 teeth	15 cm/6"
B Judd-Allis	25-2059	3 x 4 teeth	15 cm/6"
	25-2060	3 x 4 teeth	19 cm/7½"
C Baby-Allis	25-2061	4 x 5 teeth	13 cm/5"
D Allis	25-2062	4 x 5 teeth	15 cm/6"
E Allis	25-2063	5 x 6 teeth	15 cm/6"
	25-2064	5 x 6 teeth	19 cm/7½"
	25-2065	5 x 6 teeth	23 cm/9"
F Thoms-Allis	25-2070	6 x 7 teeth	20 cm/8"

**Babcock**

G 25-2050	14.5 cm/5½"
25-2052	16.0 cm/6¼"
25-2054	18.0 cm/7"
25-2056	21.0 cm/8¼"
25-2057	24.0 cm/9½"

**Duval**

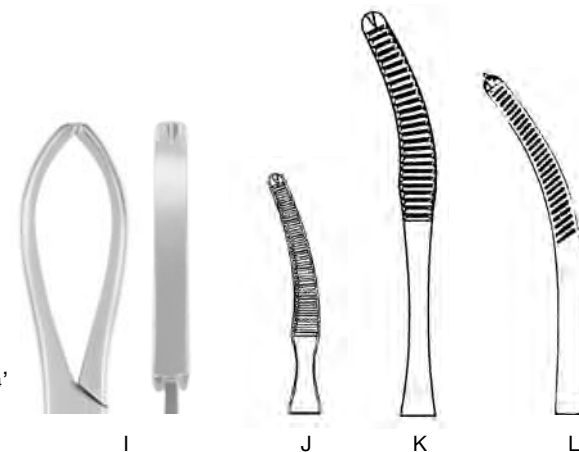
H 25-2071	20 cm/8"	A=14 mm
25-2073	20 cm/8"	A=18 mm
25-2075	20 cm/8"	A=28 mm
25-2072	23 cm/9"	A=14 mm
25-2074	23 cm/9"	A=18 mm
25-2076	23 cm/9"	A=28 mm

Littlewood (UK) Tissue Forceps

I 25-2058	2 x 3 teeth	19 cm/7½"
-----------	-------------	-----------

Mikulicz

J 25-1299	1 x 2 teeth	14 cm/5½"
K 25-1300	1 x 2 teeth	21.5 cm/8¼"
L 25-1301	1 x 2 teeth	20.5 cm/8"





Dardik

Pediatric Intestinal Clamps

07-0525

Doyen

07-0531

07-0543

Kocher

07-0560

Allen

Allen

A	07-0560	20.5 cm/8"
	07-0562	23 cm/9"

Dardik

Pediatric Intestinal Clamps

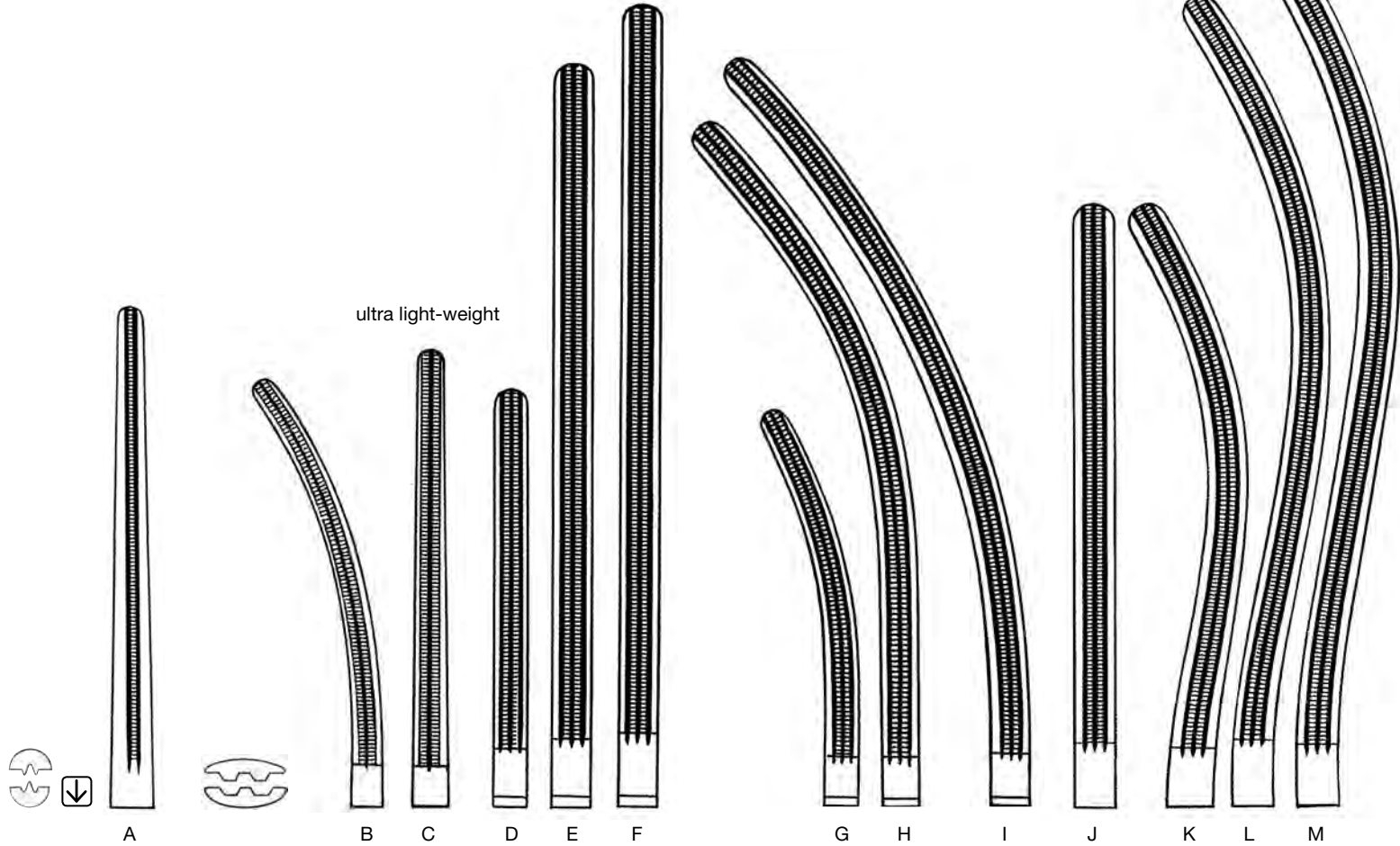
B	07-0526	17.5 cm/6½"
C	07-0525	17.5 cm/6½"

Doyen/Baby-Doyen/Mayo-Robson

D	Baby-Doyen	
	07-0520	17.5 cm/6½"
E	Doyen	
	07-0530	24 cm/9½"
F	Mayo-Robson	
	07-0535	25 cm/10"
G	Baby-Doyen	
	07-0521	17.5 cm/6½"
H	Doyen	
	07-0531	23 cm/9"
I	Mayo-Robson	
	07-0536	25 cm/10"

Kocher

J	07-0540	22 cm/8½"
	07-0541	25 cm/10"
	07-0542	28 cm/11"
K	07-0543	21.5 cm/8¼"
L	07-0544	24.5 cm/9½"
M	07-0545	27 cm/10½"





Atraumatic Intestinal Clamps

Kersting

Abdominal Anastomosis Clamps

07-0580

Foss-Colon

Abdominal
Anastomosis Clamps

07-0586

07-0585

Foss Abdominal
Anastomosis Clamps

07-0574

Fehland Abdominal
Anastomosis Clamps

Kersting
Abdominal Anastomosis Clamps

A 07-0580 31 cm/12¼"

Fehland
Abdominal Anastomosis Clamps

B 07-0574 24 cm/9½"

Resano
Abdominal Anastomosis Clamps

C 07-0575 30 cm/12"

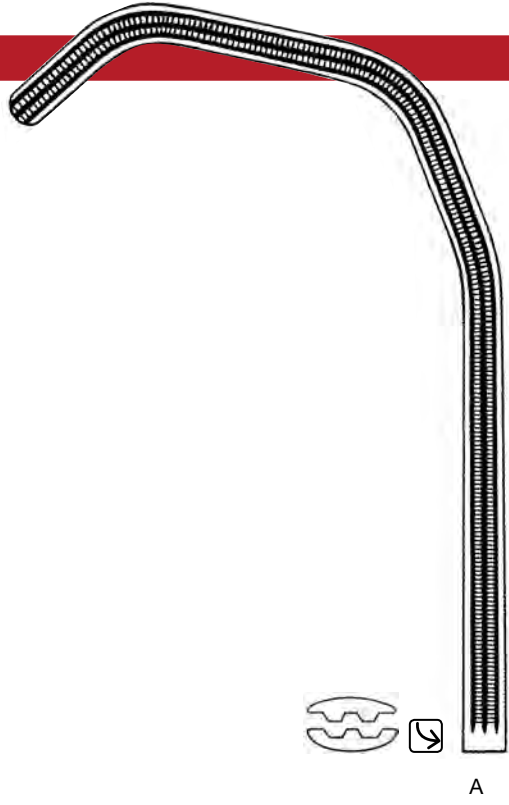
Foss-Colon
Abdominal Anastomosis Clamps

D 07-0586 24.5 cm/9½"

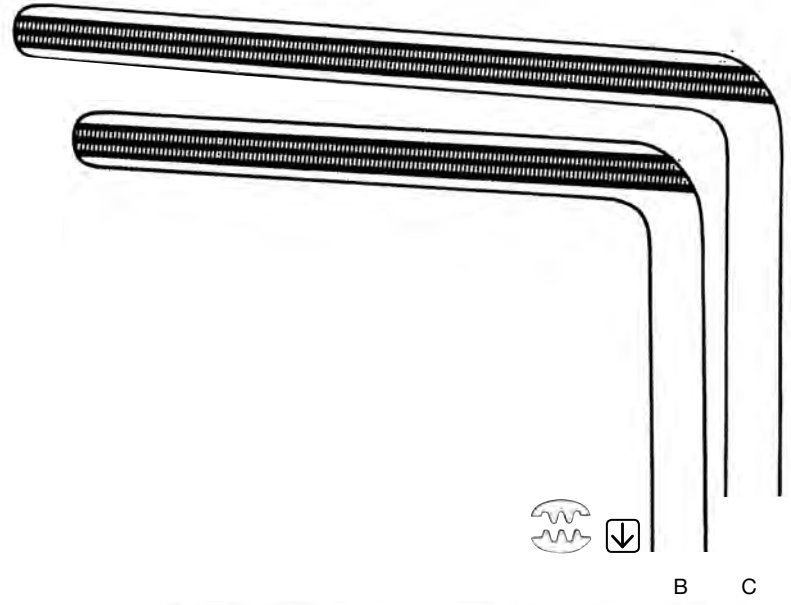
E 07-0587 25 cm/10"

Foss
Abdominal Anastomosis Clamps

F 07-0585 25 cm/10"

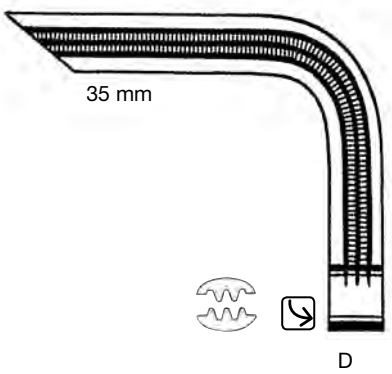


A



B

C



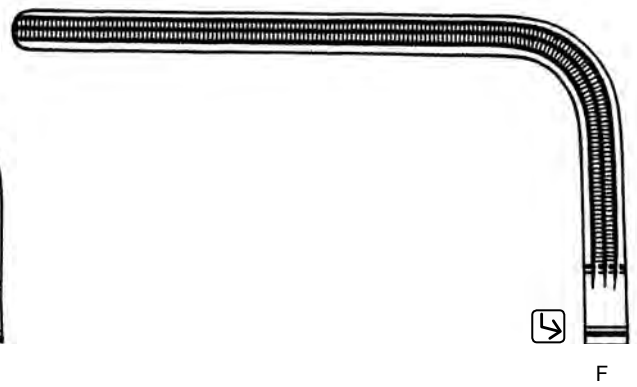
35 mm

D

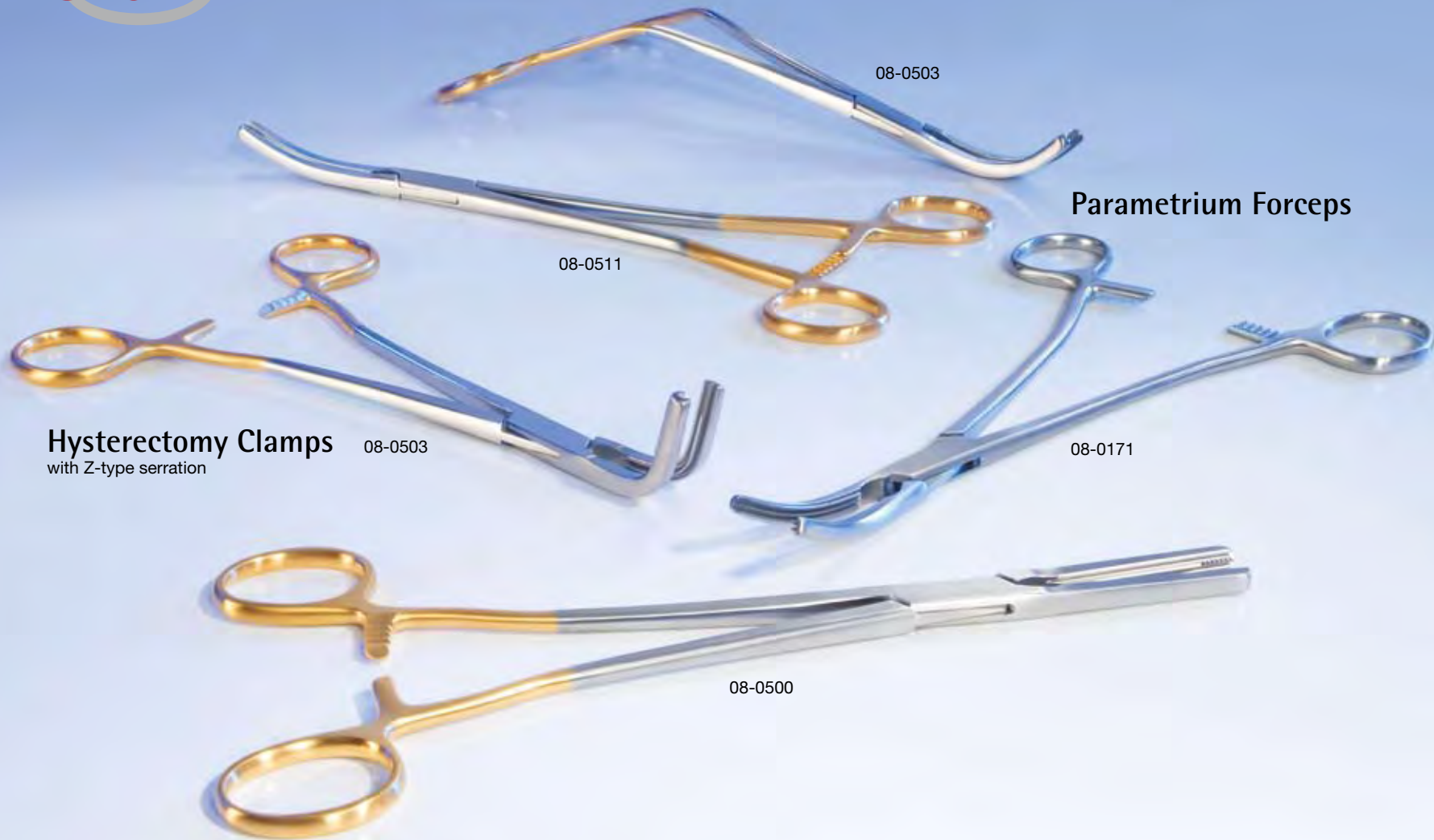


60 mm

E



F



08-0503

Parametrium Forceps

08-0511

Hysterectomy Clamps 08-0503
with Z-type serration

08-0171

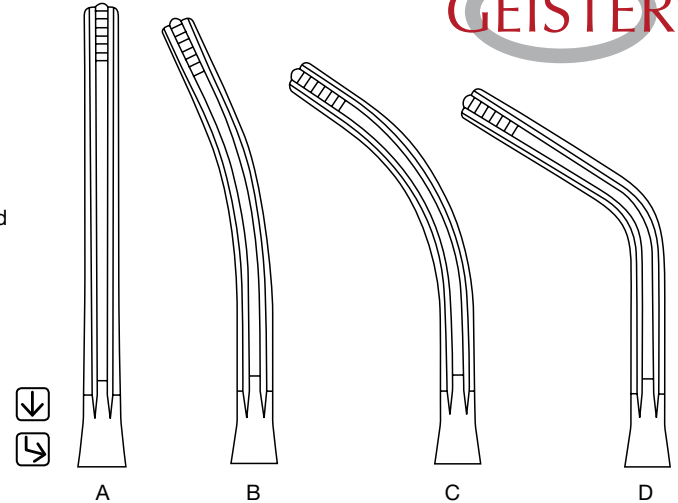
08-0500

Atraumatic Clamps and Forceps

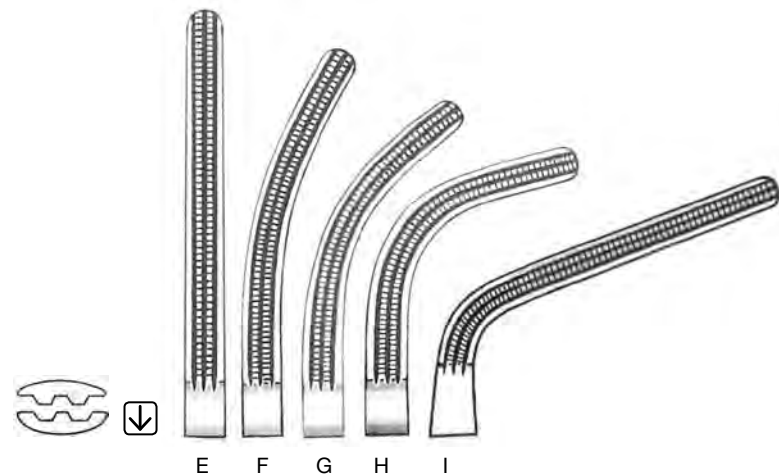
**Hysterectomy Clamps with Z-type serration**

A	08-0500	21.0 cm/8¼"	shanks straight
	08-0510	24.0 cm/9½"	shanks straight
	08-0515	24.0 cm/9½"	shanks angled
	08-0530	30.5 cm/12"	shanks straight
	08-0535	30.5 cm/12"	shanks angled
B	08-0540	35.5 cm/14"	shanks straight
	08-0501	21.0 cm/8¼"	shanks straight
	08-0511	24.0 cm/9½"	shanks straight
	08-0516	24.0 cm/9½"	shanks angled
	08-0531	30.5 cm/12"	shanks straight
C	08-0536	30.5 cm/12"	shanks angled
	08-0541	35.5 cm/14"	shanks straight
	08-0502	21.0 cm/8¼"	shanks straight
	08-0512	24.0 cm/9½"	shanks straight
	08-0517	24.0 cm/9½"	shanks angled
D	08-0532	30.5 cm/12"	shanks straight
	08-0537	30.5 cm/12"	shanks angled
	08-0542	35.5 cm/14"	shanks straight
	08-0503	21.0 cm/8¼"	shanks straight
	08-0513	24.0 cm/9½"	shanks straight
	08-0518	24.0 cm/9½"	shanks angled
	08-0533	30.5 cm/12"	shanks straight
	08-0538	30.5 cm/12"	shanks angled
	08-0543	35.5 cm/14"	shanks straight

Well-balanced and with a sturdy, atraumatic longitudinal groove (Z-type serration) that guarantees a secure grip of tissue and prevents slippage. Available in four lengths and jaw configurations with straight or angled shanks.

**Parametrium Forceps**

E	08-0170	22 cm/8½"
	08-0175	25 cm/10"
F	08-0171	22 cm/8½"
	08-0176	25 cm/10"
G	08-0172	21 cm/8¼"
	08-0177	24 cm/9½"
H	08-0173	20 cm/8"
	08-0178	23 cm/9"
I	08-0174	19 cm/7½"
	08-0179	22 cm/8½"





Fine Hemostatic Forceps

Halstead-Mosquito

25-1080

Micro-Halstead-Mosquito

25-1021

25-1060

**Baby-Mosquito
(Hartmann)**

25-1016

Micro-Mosquito

25-1071

Halstead-Mosquito



Micro-Mosquito

A	25-1010	10 cm/4"
B	25-1011	10 cm/4"
C	25-1015	10 cm/4"
D	25-1016	10 cm/4"

Micro-Halstead-Mosquito

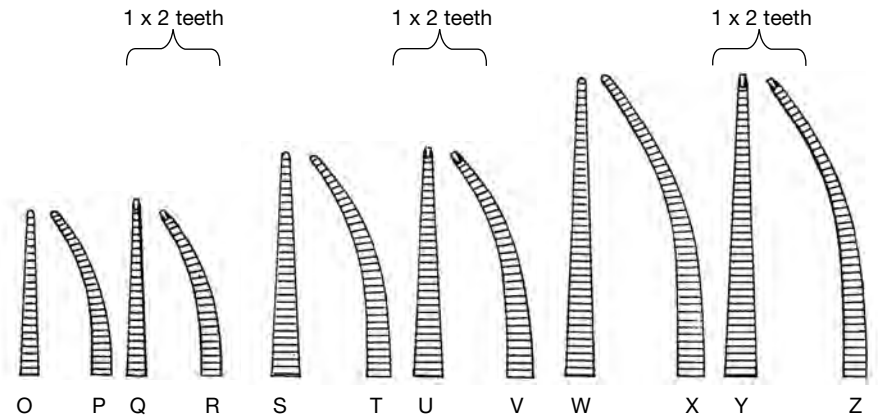
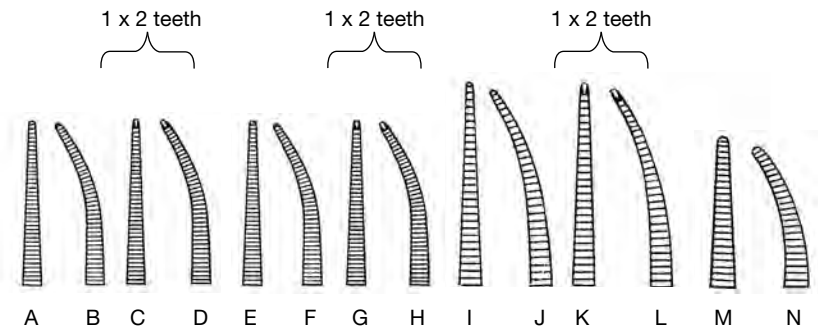
E	25-1020	12,5 cm/5"
F	25-1021	25-1021.TI 12,5 cm/5"
G	25-1025	12,5 cm/5"
H	25-1026	25-1026.TI 12,5 cm/5"
I	25-1030	14 cm/5½"
J	25-1031	14 cm/5½"
K	25-1035	14 cm/5½"
L	25-1036	14 cm/5½"

Baby-Mosquito (Hartmann)

M	25-1060	25-1060.TI 9 cm/3½"
N	25-1061	25-1061.TI 9 cm/3½"

Halstead-Mosquito

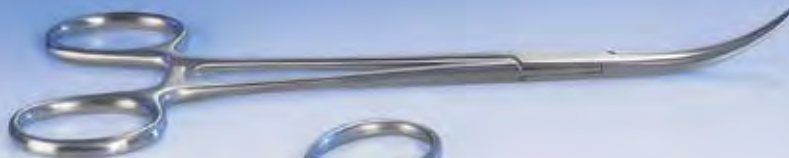
O	25-1070	25-1070.TI 12,5 cm/5"
P	25-1071	25-1071.TI 12,5 cm/5"
Q	25-1075	25-1075.TI 12,5 cm/5"
R	25-1076	25-1076.TI 12,5 cm/5"
S	25-1080	18 cm/7"
T	25-1081	18 cm/7"
U	25-1085	18 cm/7"
V	25-1086	18 cm/7"
W	25-1090	20 cm/8"
X	25-1091	20 cm/8"
Y	25-1092	20 cm/8"
Z	25-1093	20 cm/8"





Fine Hemostatic Forceps

25-1241
Kelly-Rankin



Heiss
25-0150

25-1201
Crile



25-1210
Crile-Rankin



25-1231
Kelly





Heiss

A	25-0150	20 cm/8"
B	25-0151	20 cm/8"
C	25-0152	20 cm/8"

Kelly

D	25-1230	14 cm/5½"
E	25-1231	14 cm/5½"

Kelly-Rankin

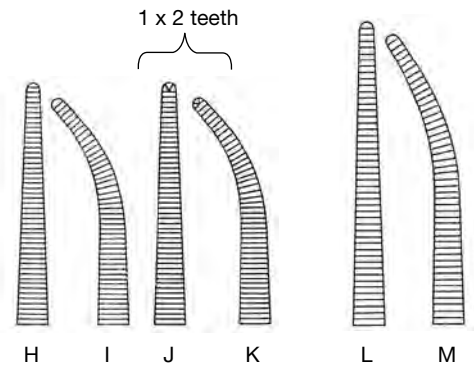
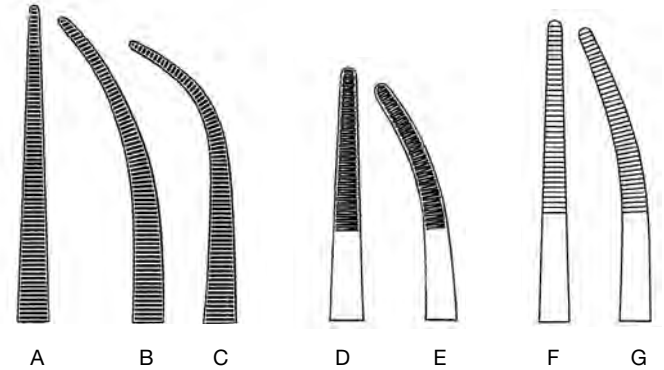
F	25-1240	16 cm/6¼"
G	25-1241	16 cm/6¼"

Crile

H	25-1200	14 cm/5½"
	25-1200.TI	
I	25-1201	14 cm/5½"
	25-1201.TI	
J	25-1205	14 cm/5½"
K	25-1206	14 cm/5½"

Crile-Rankin

L	25-1210	16 cm/6¼"
M	25-1211	16 cm/6¼"



Fine Hemostatic Forceps



Providence-Hospital

25-1251

25-1270

Adson

Pean (delicate)

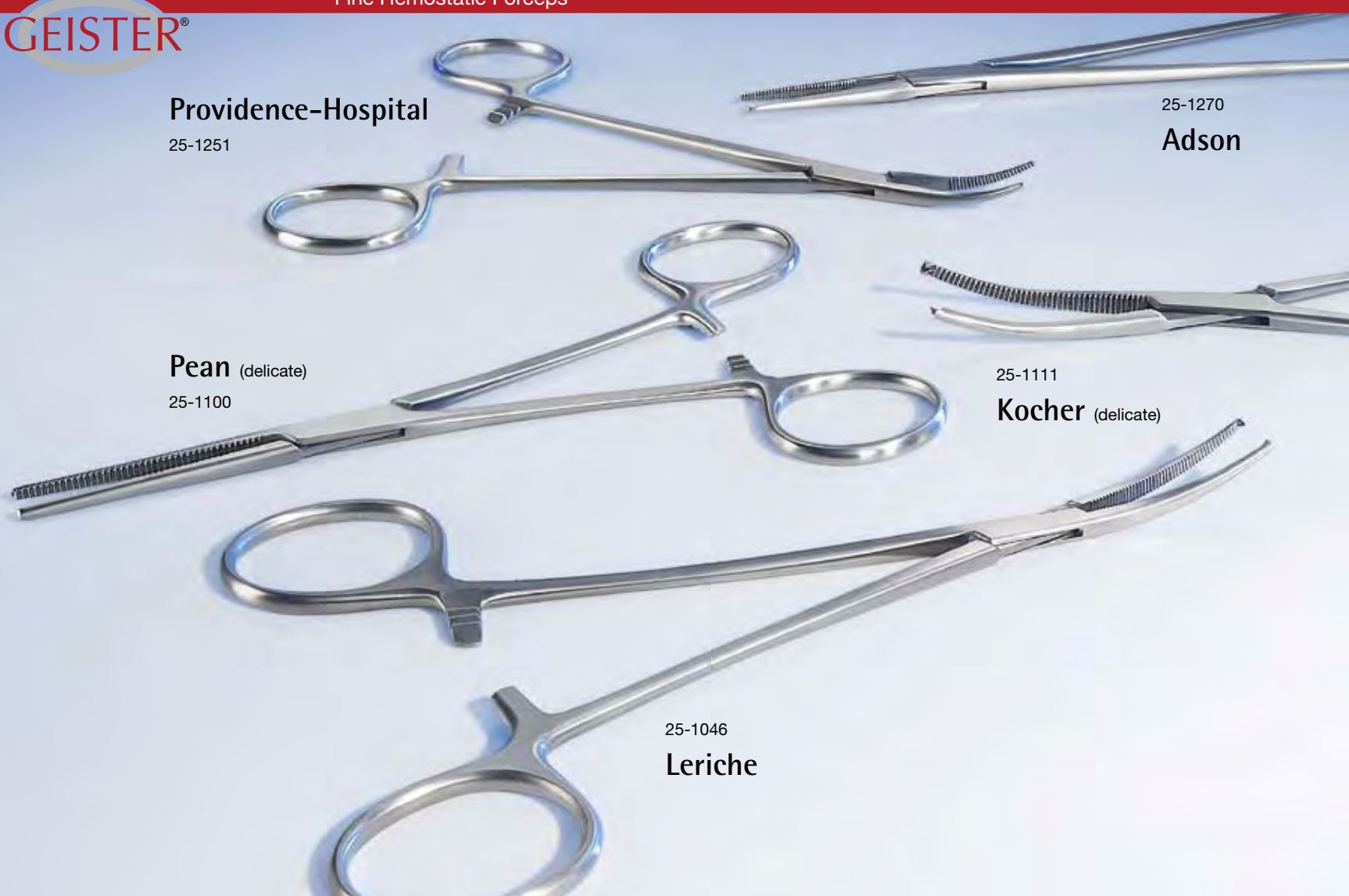
25-1100

25-1111

Kocher (delicate)

25-1046

Leriche



**Leriche**

A	25-1040 25-1040.TI	15 cm/6"
B	25-1041 25-1041.TI	15 cm/6"
C	25-1045	15 cm/6"
D	25-1046	15 cm/6"

Adson

E	25-1270	19 cm/7½"
F	25-1271	19 cm/7½"

Providence-Hospital

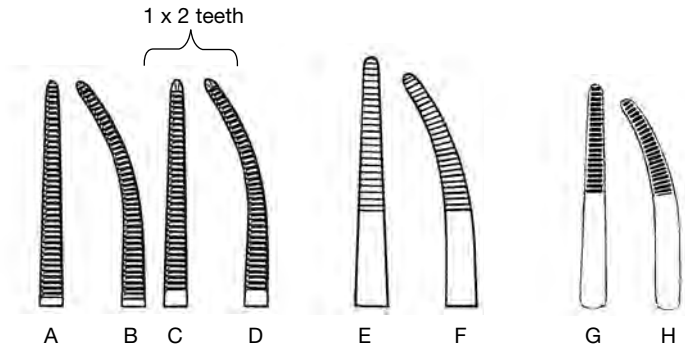
G	25-1250	13 cm/5"
H	25-1251	13 cm/5"

Kocher (delicate)

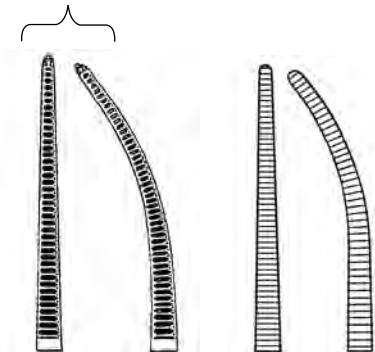
I	25-1110	14.5 cm/5½"
J	25-1111	14.5 cm/5½"

Pean (delicate)

K	25-1100	14.5 cm/5½"
L	25-1101	14.5 cm/5½"



1 x 2 teeth





Ochsner (Kocher)

25-1143



25-1151



25-1150

Kocher



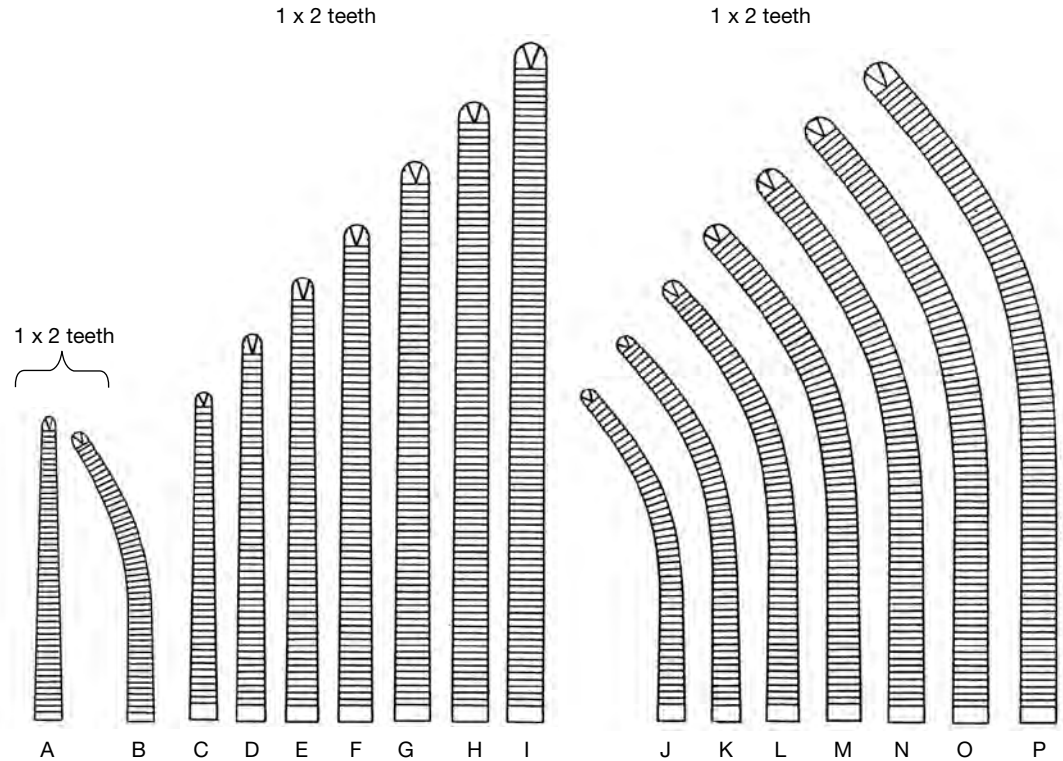


Kocher

A	25-1140	14 cm/5½"
B	25-1150	14 cm/5½"

Ochsner (Kocher)

C	25-1141	16 cm/6¼"
D	25-1142	18 cm/7"
E	25-1143	20 cm/8"
F	25-1144	22 cm/8½"
G	25-1145	24 cm/9½"
H	25-1146	26 cm/10¼"
I	25-1147	30 cm/12"
J	25-1151	16 cm/6¼"
K	25-1152	18 cm/7"
L	25-1153	20 cm/8"
M	25-1154	22 cm/8½"
N	25-1155	24 cm/9½"
O	25-1156	26 cm/10¼"
P	25-1157	30 cm/12"





Hemostatic Forceps

Spencer-Wells (Jones)

25-1324



25-1132

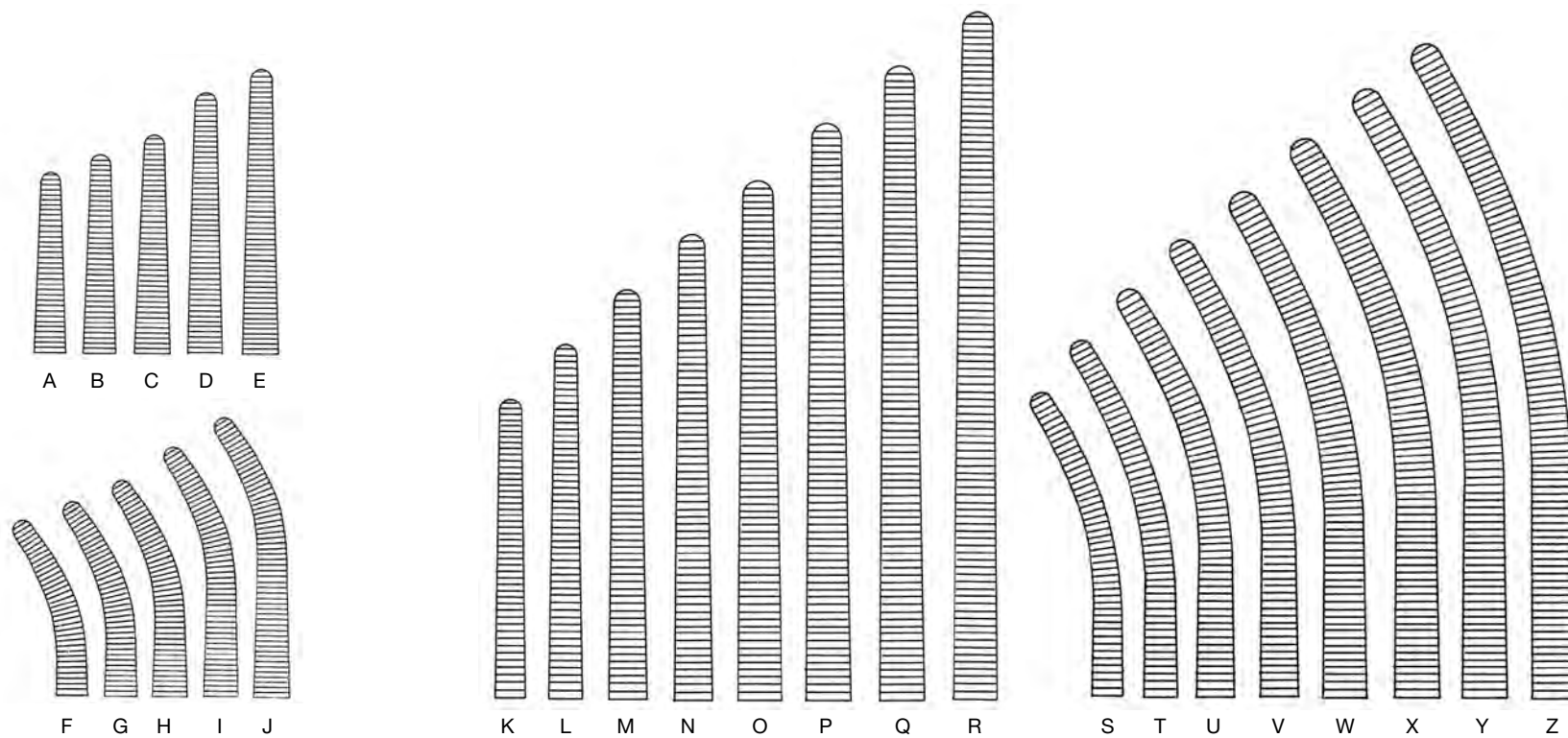
Rochester-Pean

Spencer-Wells (Jones)

A	25-1320	13 cm/5"
B	25-1321	14 cm/5½"
C	25-1322	15 cm/6"
D	25-1324	18 cm/7"
E	25-1323	20 cm/8"
F	25-1325	13 cm/5"
G	25-1326	14 cm/5½"
H	25-1327	15 cm/6"
I	25-1329	18 cm/7"
J	25-1328	20 cm/8"

Rochester-Pean

K	25-1120	14 cm/5½"
L	25-1121	16 cm/6¼"
M	25-1122	18 cm/7"
N	25-1123	20 cm/8"
O	25-1124	22 cm/8½"
P	25-1125	24 cm/9½"
Q	25-1126	26 cm/10¼"
R	25-1127	30 cm/12"
S	25-1130	14 cm/5½"
T	25-1131	16 cm/6¼"
U	25-1132	18 cm/7"
V	25-1133	20 cm/8"
W	25-1134	22 cm/8½"
X	25-1135	24 cm/9½"
Y	25-1136	26 cm/10¼"
Z	25-1137	30 cm/12"





Micro-Adson

25-0120

Micro-Adson

25-0121

25-1362

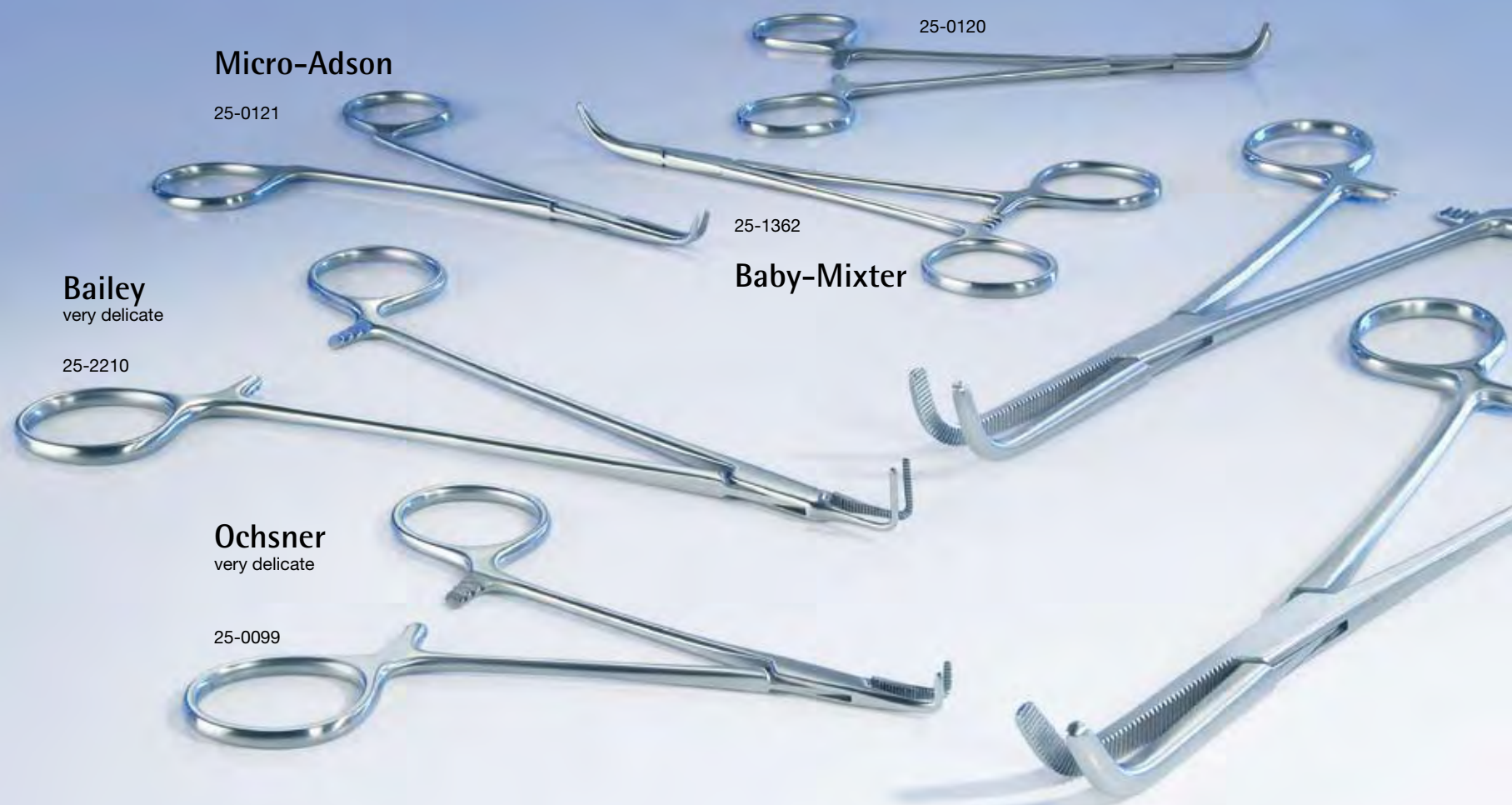
Baby-Mixter

Bailey
very delicate

25-2210

Ochsner
very delicate

25-0099





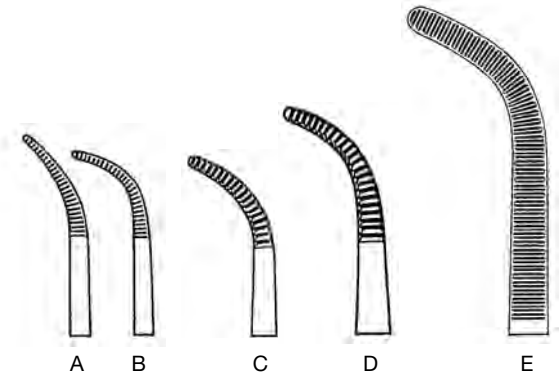
Mixer

25-1371



Baby-Mixer

A	25-1360	14 cm/5½"
B	25-1361	14 cm/5½"
C	25-1362	14 cm/5½"
D	25-1363	18 cm/7"



Mixer-O'Shaugnessy

E	25-1365	19 cm/7½"
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Mixer

F	25-1370	16 cm/6¼"
G	25-1371	19.5 cm/7½"
H	25-1372	21.5 cm/8¼"

Bailey very delicate

I	25-2210	18 cm/7"
	25-2210.24	24 cm/9½"
J	25-2211	18 cm/7"
K	25-2212	18 cm/7"

Ochsner very delicate

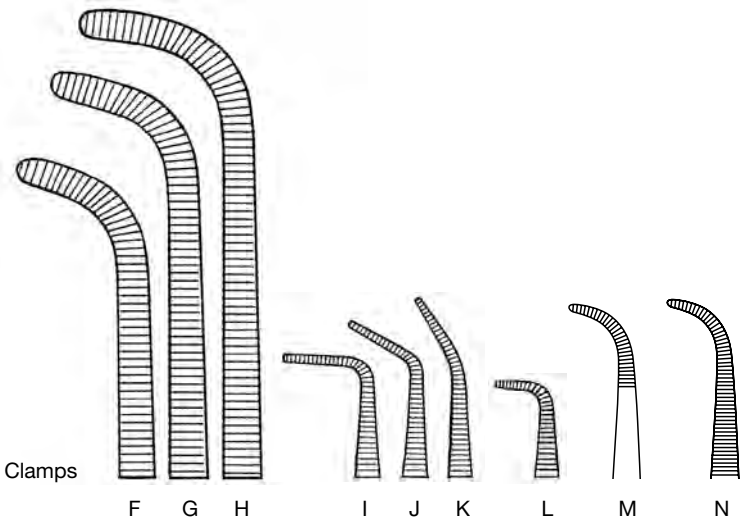
L	25-0099	11.5 cm/4¼"
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Micro-Adson

M	25-0120	14 cm/5½"
N	25-0121	14 cm/5½"

Mixer-O'Shaugnessy

25-1365



Also Gall Duct Clamps



Hemostatic Forceps

Mixter

25-0126

Zenker

25-1290

Bengolea

25-0201

Roberts

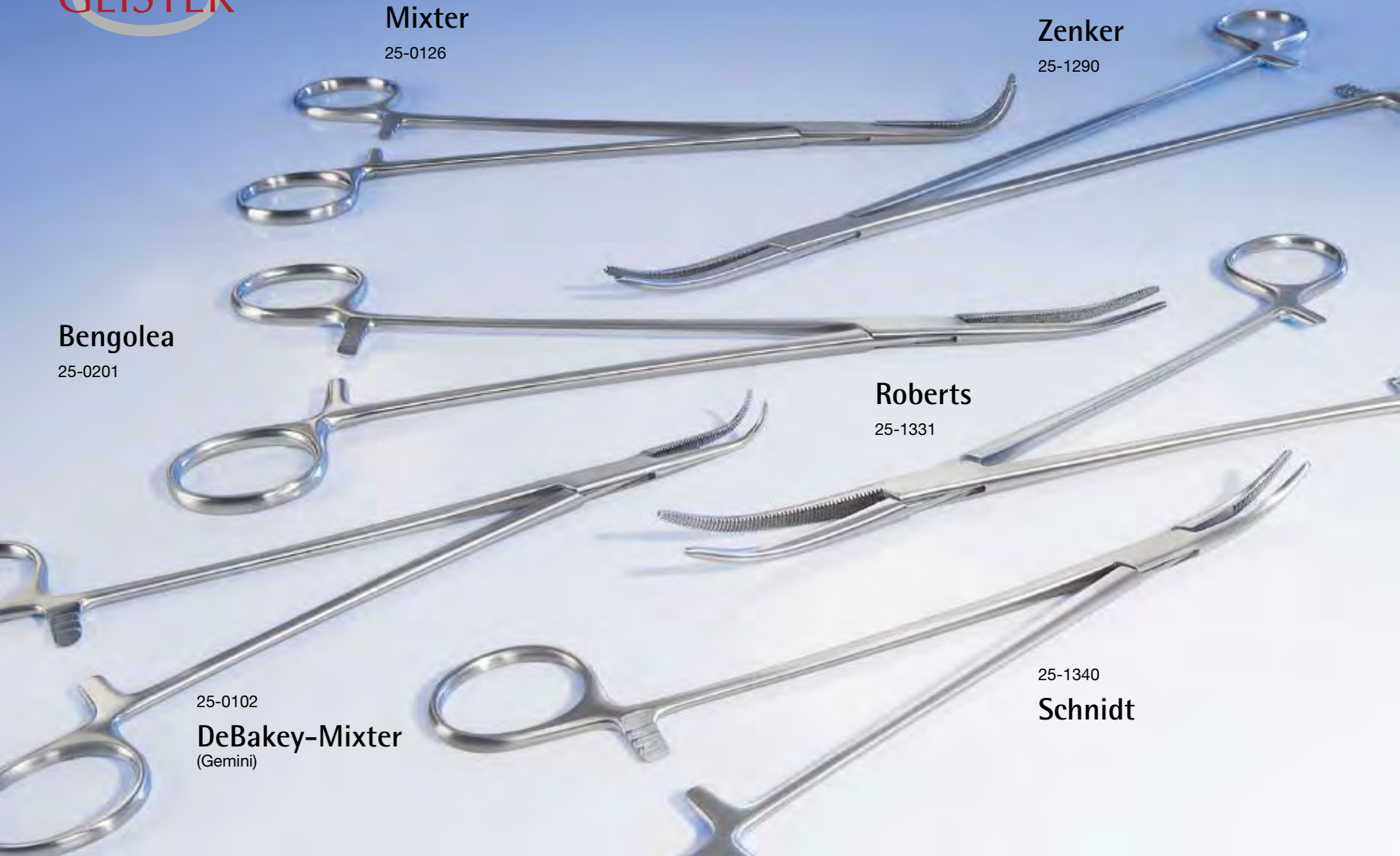
25-1331

25-0102

DeBakey-Mixer
(Gemini)

25-1340

Schmidt





Roberts

- A 25-1330 22 cm/8½"
- B 25-1331 22 cm/8½"

Schmidt

- C 25-1340 19 cm/7½"

Mixer

- D 25-0126 23 cm/9"

DeBakey-Mixer (Gemini)

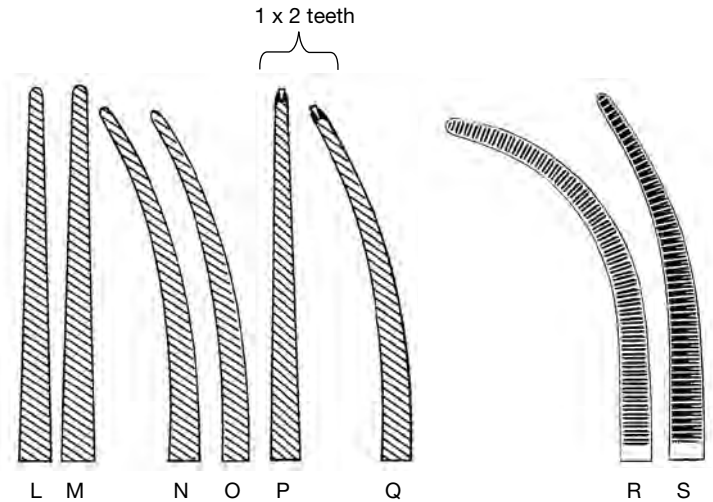
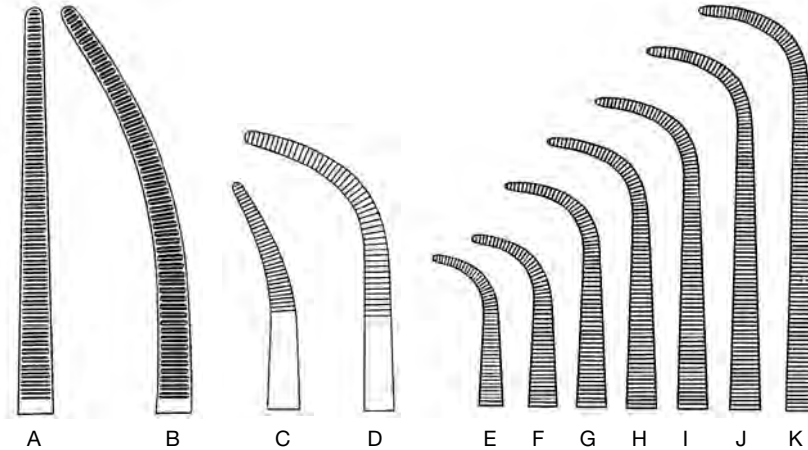
- E 25-0100 14 cm/5½"
- F 25-0101 16 cm/6¼"
- G 25-0102 18 cm/7"
- H 25-0103 20 cm/8"
- I 25-0104 23 cm/9"
- J 25-0105 25 cm/10"
- K 25-0106 28 cm/11"

Bengolea

- L 25-0200 24 cm/9½"
- M 25-0205 26 cm/10¼"
- N 25-0201 24 cm/9½"
- O 25-0206 26 cm/10¼"
- P 25-0202 24 cm/9½"
- Q 25-0204 24 cm/9½"

Zenker

- R 25-1291 29 cm/11½"
- S 25-1290 30 cm/12"





Dissecting Forceps

O'Shaughnessy

25-1172



Lawrence

25-0135



Meeker

25-0140



Overholt-
Geissendoerfer

25-0232



Bridge

25-0129



Overholt-
Geissendoerfer "S"

25-0220



25-0111

Meigs-Navratil





Bridge

A	25-0128	18 cm/7"
	25-0130	28 cm/11"
B	25-0129	18 cm/7"
	25-0131	28 cm/11"

Meeker

C	25-0140	18 cm/7"
	25-0141	28 cm/11"

Lawrence

D	25-0135	19 cm/7½"
	25-0136	28 cm/11"

Overholt-Geissendoerfer

E	25-0230	19.5 cm/7½"
	25-0240	26 cm/10¼"
F	25-0231	21 cm/8¼"
	25-0241	27 cm/10½"
G	25-0232	22 cm/8½"
	25-0242	27.5 cm/10½"
H	25-0233	22.5 cm/8½"
	25-0243	27.5 cm/10½"
I	25-0234	21.5 cm/8¼"
	25-0244	27.5 cm/10½"
J	25-0235	22.5 cm/8½"
	25-0245	28 cm/11"
K	25-0236	22.5 cm/8½"
	25-0246	27.5 cm/10½"

Overholt-Geissendoerfer "S"

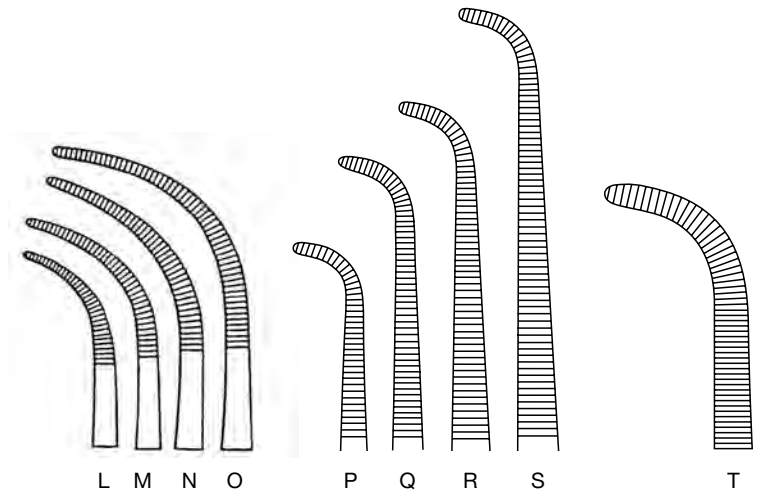
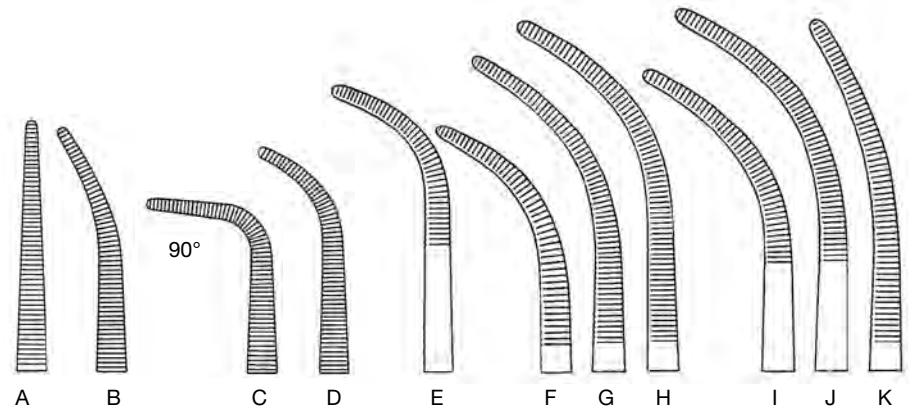
L	25-0220	18.5 cm/7"
M	25-0221	20.5 cm/8"
N	25-0222	21 cm/8¼"
O	25-0223	21.5 cm/8¼"

Meigs-Navratil

P	25-0110	18 cm/7"
Q	25-0111	22 cm/8½"
R	25-0112	25 cm/10"
S	25-0113	28 cm/11"

O'Shaughnessy

T	25-1170	15 cm/6"
	25-1171	18 cm/7"
	25-1172	20 cm/8"
	25-1174	23 cm/9"
	25-1176	25 cm/10"
	25-1178	28 cm/11"





Mixer

25-1377

Kantrowitz

25-0162

Rumel

25-0215

25-0262

DeBakey Original

25-0227

Neukam Overholt



Dissecting Forceps

Rumel

A	25-0211	24 cm/9½"
B	25-0212	24 cm/9½"
C	25-0213	24 cm/9½"
D	25-0214	24 cm/9½"
E	25-0215	24 cm/9½"

Kantowitz

F	25-0160	19 cm/7½"
G	25-0162	24 cm/9½"
H	25-0164	27 cm/10½"

DeBakey Original

I	25-0262	19 cm/7½"
J	25-0260	25 cm/10"

Neukam Overholt

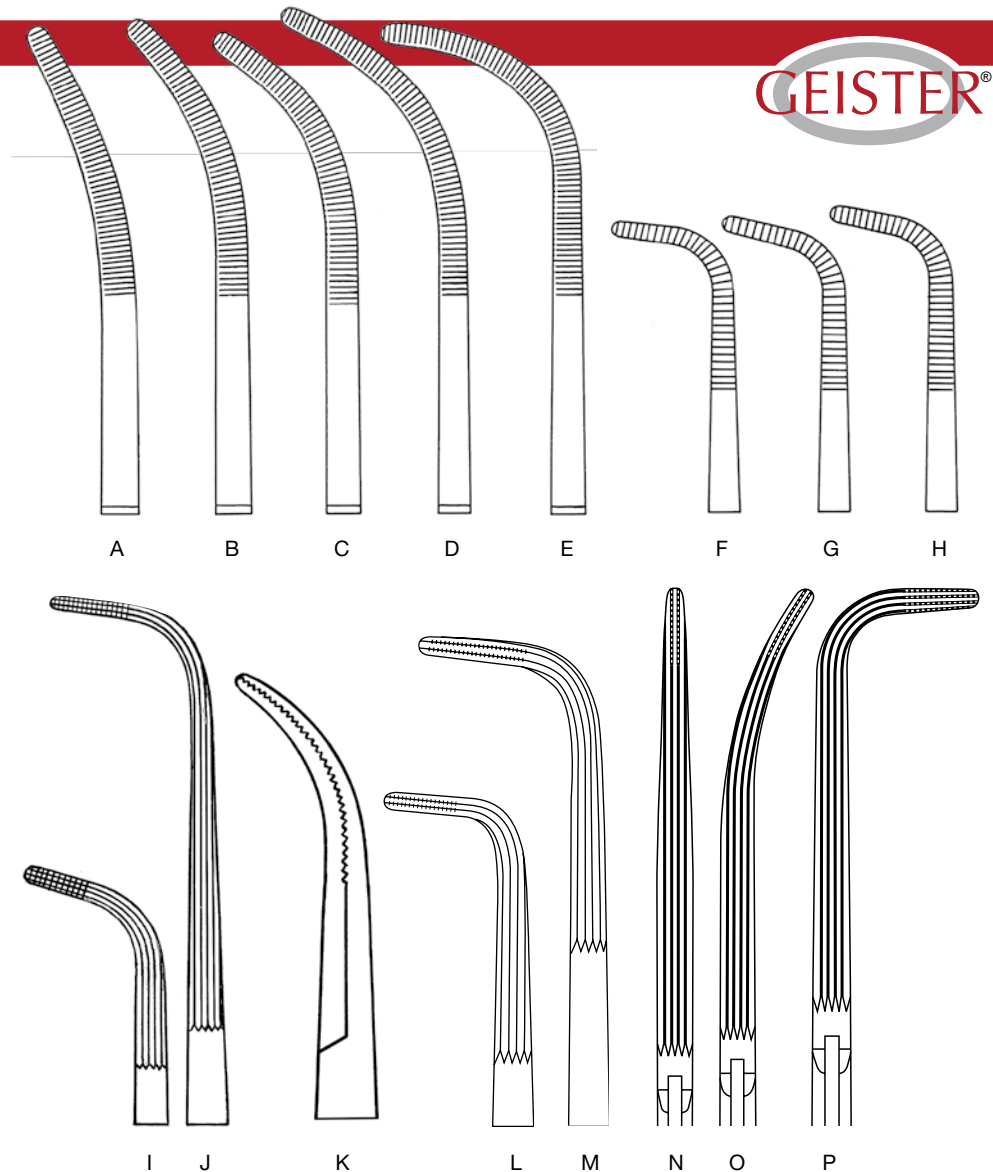
K	25-0227	22 cm/8½"
	25-0228	28 cm/11"

Mixer

L	25-1375	21,5 cm/8½"
	25-1376	25,5 cm/10"
M	25-1377	28 cm/11"
	25-1378	32 cm/12½"

DeBakey-Cooley Haemostatic Forceps

N	25-0325	35.5 cm/14"	straight jaws
O	25-0300	19 cm/7½"	curved jaws
	25-0301	23 cm/9"	curved jaws
	25-0302	25 cm/10"	curved jaws
	25-0303	28 cm/11"	curved jaws
	25-0304	30.5 cm/12"	curved jaws
	25-0305	35.5 cm/14"	curved jaws
P	25-0310	19 cm/7½"	right angled jaws
	25-0311	23 cm/9"	right angled jaws
	25-0312	25 cm/10"	right angled jaws
	25-0313	28 cm/11"	right angled jaws
	25-0314	30.5 cm/12"	right angled jaws
	25-0315	35.5 cm/14"	right angled jaws





Dissecting Forceps

Coronary Artery (Diethrich)

25-2200



25-2000

Hilus-Pulmonis

25-0147

Jacobsen
(extra delicate)

25-2201

Kelly



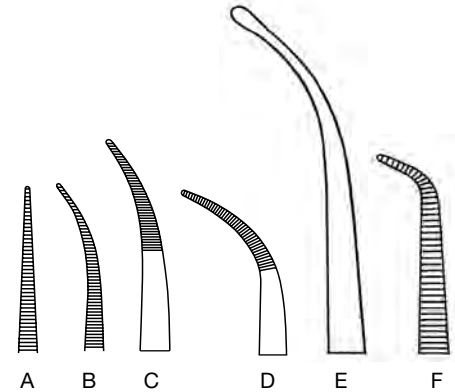
Dunhill's (UK)

25-1383



Jacobsen (extra delicate)

A	25-0144	13 cm/5"
B	25-0145	13 cm/5"
C	25-0147	19 cm/7½"
D	25-0148	19 cm/7½"



Hilus-Pulmonis

E	25-2000	20 cm/8"
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Coronary Artery (Diethrich)

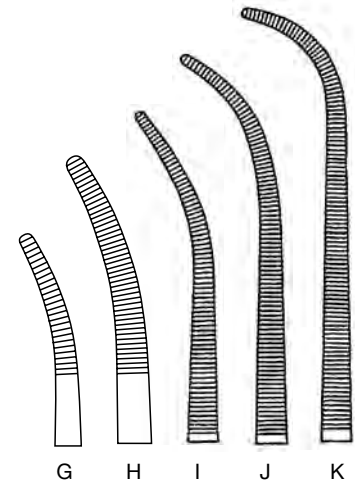
F	25-2200	18.5 cm/7"
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Dunhill's (UK)

G	25-1381	12.5 cm/5"
H	25-1383	18 cm/7"

Kelly

I	25-2201	19 cm/7½"
	25-2204	22 cm/8½"
	25-2207	24 cm/9½"
J	25-2202	19 cm/7½"
	25-2205	22 cm/8½"
	25-2208	24 cm/9½"
K	25-2203	19 cm/7½"
	25-2206	22 cm/8½"
	25-2209	24 cm/9½"





Papillary Muscle Clamps

25-2741



25-2691

Crafoord-Sellors

Dissecting Clamps



25-0171

Sartorius (Crafoord)

Thoracic Forceps



25-2122

Semb

Bronchus Clamps and Ligature Carriers



Papillary Muscle Clamps

with Resano jaws for strong and atraumatic grasping. Provides optimized exposure, visualization and mobilisation of the papillary muscle during heart valve reconstruction.

	25-2740	17 cm
A	25-2741	24 cm
	25-2742	27 cm

Semb Bronchus Clamps and Ligature Carriers

B	25-2120	25 cm/10"
C	25-2122	25 cm/10"

Crafoord-Sellors Dissecting Clamps

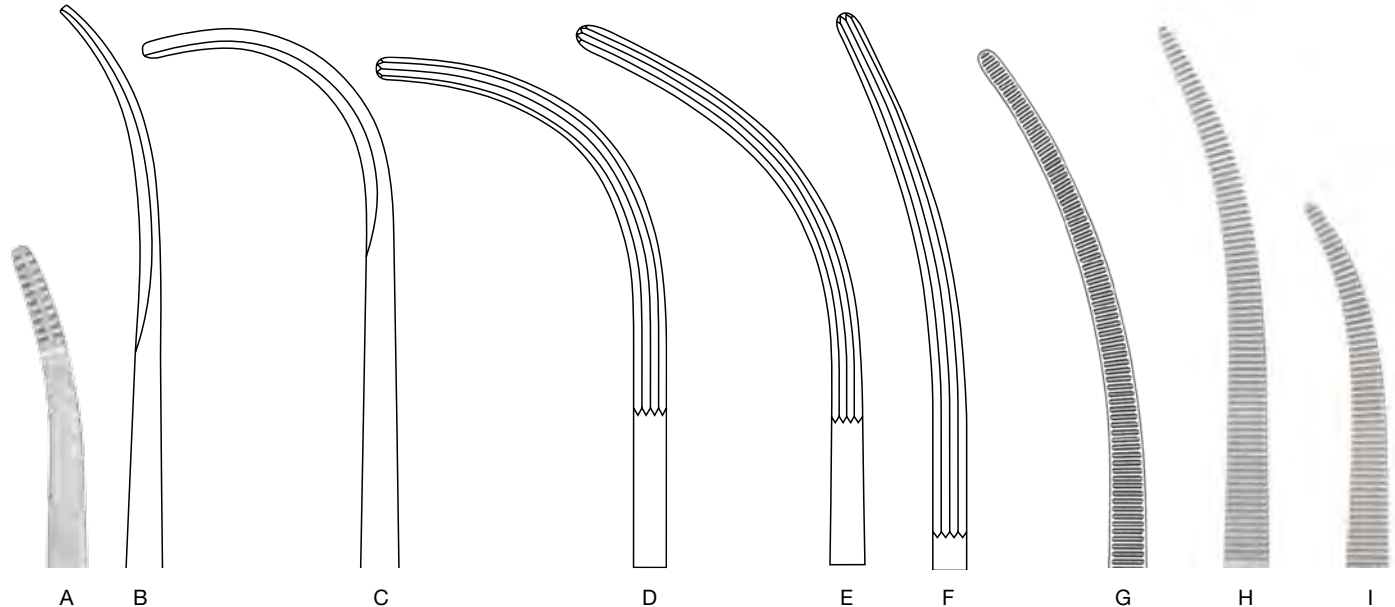
D	25-2690	24 cm/9½"
E	25-2691	24 cm/9½"
F	25-2692	24 cm/9½"

Sarot (Crafoord) Thoracic Forceps

G	25-0171	24 cm/9½"
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Crafoord Fine Thoracic Forceps

H	25-0172	24 cm/9½"
I	25-0173	18 cm/7"





Teale
Valve Grasping Forceps
12-2070

Moynihan
Gall Duct Clamps
25-2660

Guyon
Kidney Clamps
25-2601

Price-Thomas
Bronchus Clamps
25-2102

25-2649

Lahey
Gall Duct Clamps



Bronchus Clamps, Valve Grasping Forceps, Gall Duct, Prostatectomy and Kidney Clamps


McDougal-type**Prostatectomy Clamps**

- A 25-2700 26,5 cm/10½" right
 B 25-2702 26,5 cm/10½" left

Teale**Valve Grasping Forceps**

- 12-2070 23 cm/9"

**Price-Thomas****Bronchus Clamps**

- 25-2100 22 cm/8¾" without Teeth
 25-2101 22 cm/8¾" Teeth left
 25-2102 22 cm/8¾" Teeth right

Lahey**Gall Duct Clamps**

- C 25-2649 19 cm/7½"
 D 25-2650 22.5 cm/8½"

Guyon**Kidney Clamps**

- E 25-2600 23 cm/9"
 F 25-2601 24 cm/9½"

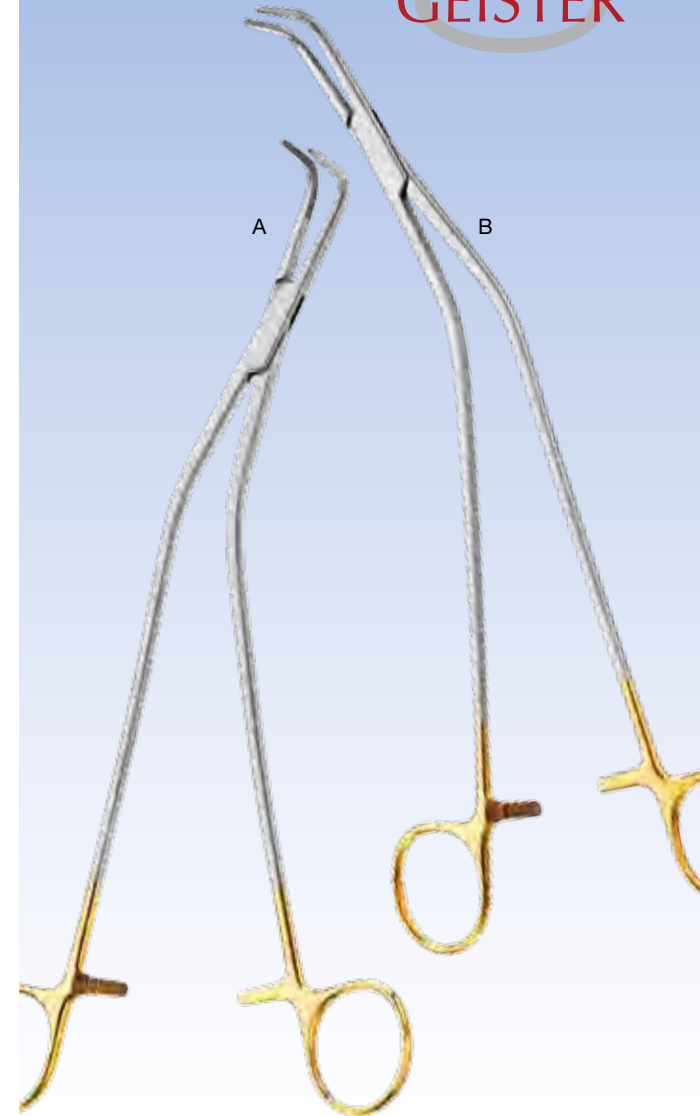
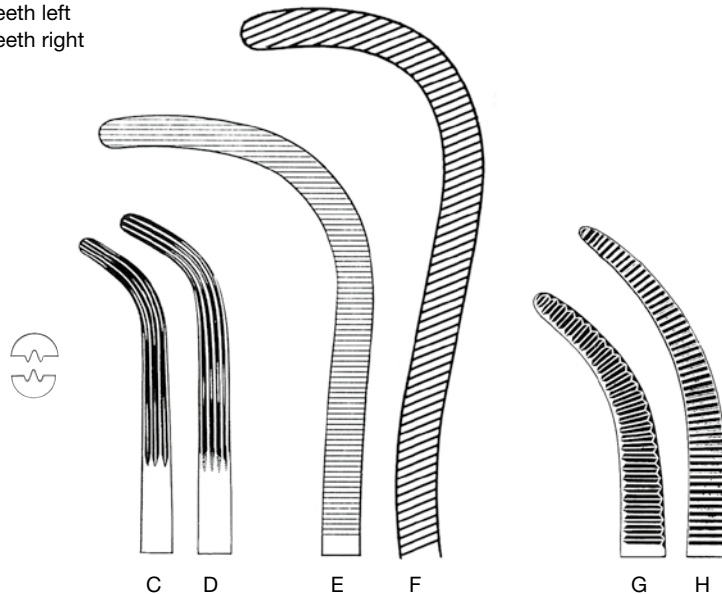
DeBaakey Serrations

- 07-0902 23 cm/9"
 07-0900 24 cm/9½"

Curvature see C/D

Moynihan**Gall Duct Clamps**

- G 25-2660 23 cm/9"
 H 25-2662 24 cm/9½"





Gross-Maier

without ratchet

25-9022

Ulrich

25-9030

Rampley

25-9130



Sponge Forceps



Foerster (Ballenger)

25-9125



Gross-Maier

25-9017



Rampley

A	25-9130	18 cm/7"
B	25-9132	25 cm/10"

Gross-Maier without ratchet

C	25-9020	20 cm/8"
	25-9021	22 cm/8½"
	25-9022	25 cm/10"
	25-9023	27 cm/10½"
D	25-9024	20 cm/8"
	25-9025	22 cm/8½"
	25-9026	25 cm/10"
	25-9027	27 cm/10½"

Gross-Maier

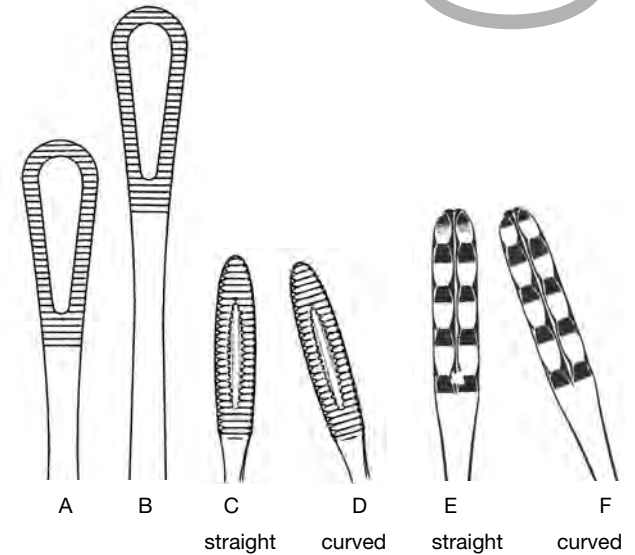
C	25-9010	20 cm/8"
	25-9011	22 cm/8½"
	25-9012	25 cm/10"
	25-9013	27 cm/10½"
D	25-9014	20 cm/8"
	25-9015	22 cm/8½"
	25-9016	25 cm/10"
	25-9017	27 cm/10½"

Ulrich

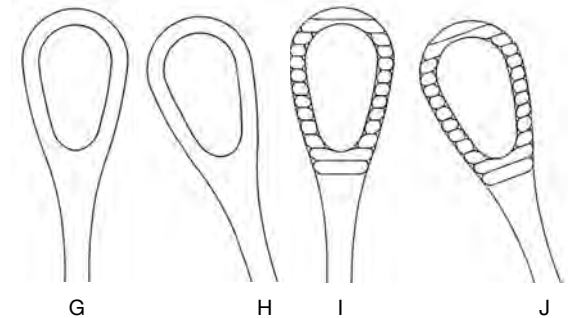
E	25-9030	22 cm/8¾"
	25-9031	25 cm/10"
	25-9032	27 cm/10½"
F	25-9035	22 cm/8¾"
	25-9036	25 cm/10"
	25-9037	27 cm/10½"

Foerster (Ballenger)

G	25-9110	25 cm/10"
H	25-9111	25 cm/10"
I	25-9120	18 cm/7"
	25-9121	20 cm/8"
	25-9122	25 cm/10"
J	25-9123	18 cm/7"
	25-9124	20 cm/8"
	25-9125	25 cm/10"



A B C D E F
straight curved straight curved



G H I J
smooth jaws serrated jaws



Towel Clamps and Tube Holding Clamps

Green

Suction Tube
Holding Clamp

25-0001



Tohoku

25-0043



Morse

Towel Clamp
w/tube holder

25-0065.51



Schaedel

25-0045



25-0040

Jones



25-0050

Peers



Ball + Socket

25-0083



25-0071

Lorna



25-0061

Backhaus



Towel Clamps

Jones

25-0040 9 cm/3½"

Tohoku

25-0043 10 cm/4"

25-0044 13 cm/5"

Schaedel

25-0045 9 cm/3½"

Ball + Socket

25-0082 11.0 cm/4¼"

25-0083 13.0 cm/5"

25-0085 15.0 cm/6"

Peers

25-0050 14.5 cm/5½"

Lorna

25-0070 10.0 cm/4"

25-0071 13.0 cm/5"

Backhaus

25-0060 8.0 cm/3"

25-0061 11.0 cm/4¼"

25-0062 13.0 cm/5"

25-0063 15.0 cm/6"

Green

Suction Tube Holding Clamp

25-0001 16 cm/6¼"

Morse

Towel Clamp w/tube holder

For holding extracorporeal tubing to drapes.

25-0065.00 13 cm/5" Tube size o.d. ¼" and ⅛"

25-0065.01 13 cm/5" Tube size o.d. ⅜" and ¼"

25-0065.02 13 cm/5" Tube size o.d. ½" and ⅜"

25-0065.03 13 cm/5" Tube size o.d. ¾" and ½"

25-0065.04 13 cm/5" Tube size o.d. 1¼" and ¾"

25-0065.S1 13 cm/5" Tube size i. d. ¼", wall thickness ⅛"

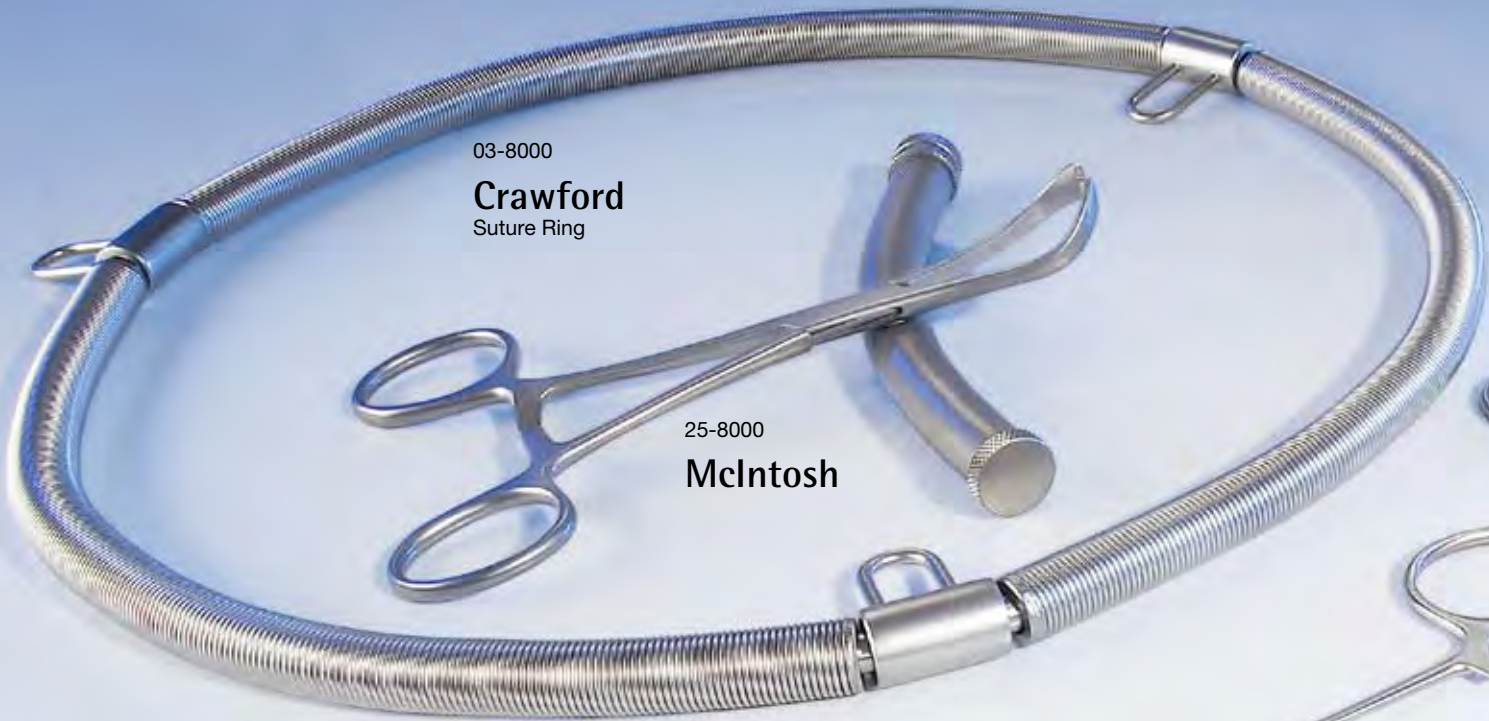
25-0065.S2 13 cm/5" Tube size i. d. ⅜", wall thickness ⅜"

25-0065.S3 13 cm/5" Tube size i. d. ½", wall thickness ⅜"



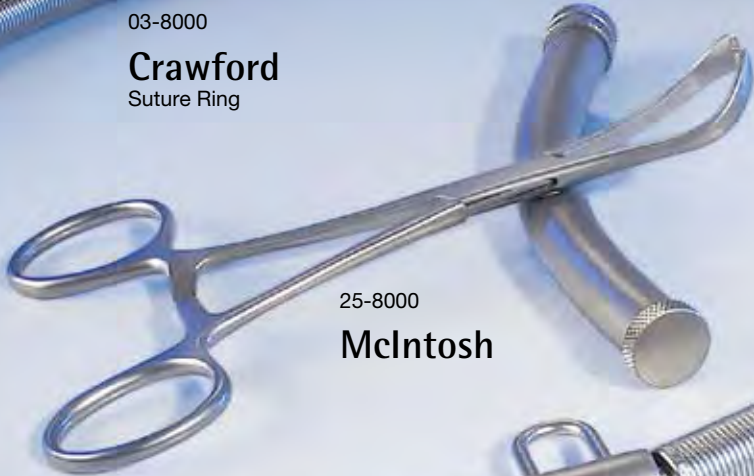
03-8000

Crawford
Suture Ring



25-8000

McIntosh



25-0251



25-0253





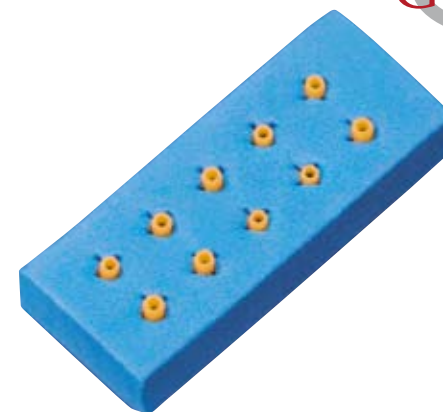
Gregory

Stay Suture Clamps



25-0254

25-0252



Suture Boots

00-2200 sterile, single use, box with 500 pcs (10x50 packs)

McIntosh

25-8000 13 cm/5"

This versatile device was especially developed for the control of up to 10 sutures, e.g. during cardiac operations. By a circular placement of several devices around the operation field the number of controlled sutures can be increased without limitation. The sutures can be fixed or released by using the side screw. As basement a non-perforating towel clamp is used.

Crawford Suture Ring

03-8000 Ø 23 cm/9"

Gregory Stay Suture Clamps

25-0251 9.5 cm/3½" straight

25-0252 9.5 cm/3½" curved

25-0253 12 cm/4½" straight

25-0254 12 cm/4½" curved

color coding or numbering is available on request



25-0024

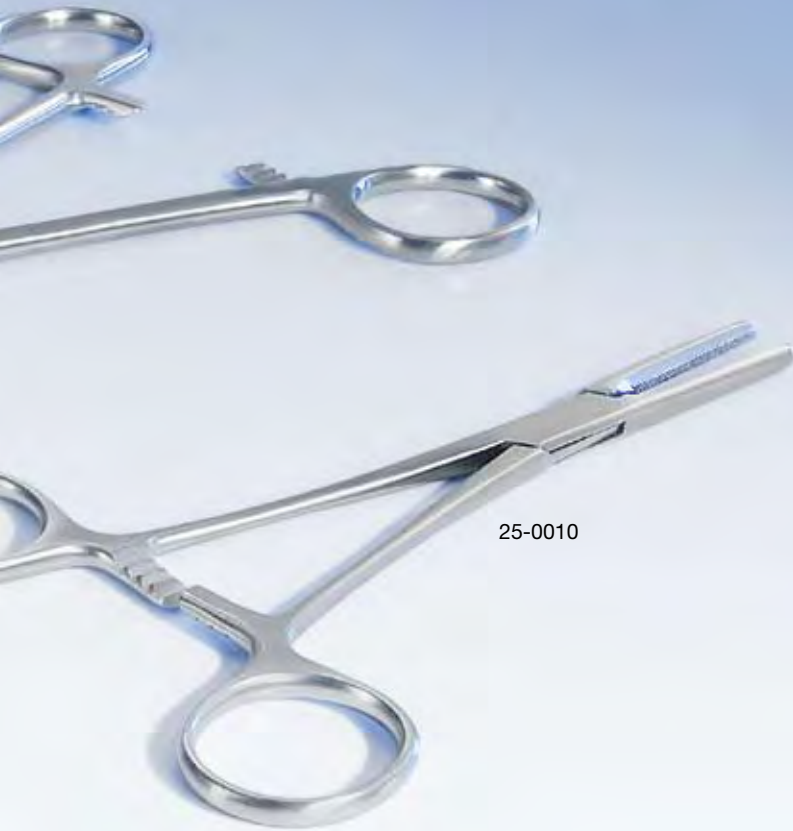
with safety guard
25-0021

Tube Occluding Forceps

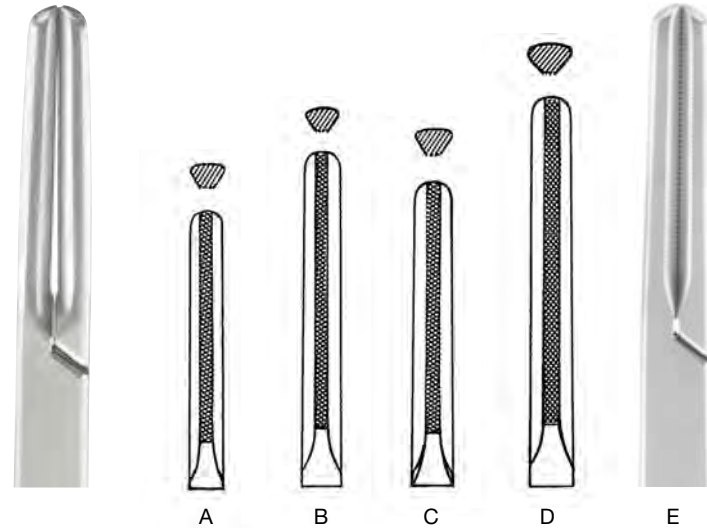
25-0013



Tube Occluding Clamps

25-0010



A	25-0010	15 cm/6"
B	25-0024	18 cm/7"
C	25-0011	19 cm/7½"
D	25-0012	20 cm/8"
E	25-0013	20 cm/8" without gap

Tube Occluding Forceps with safety guard

All models are also available with a special safety guard, that keeps tubes away from the area of the box-lock and so safely protects the tube from eventually getting injured by contusion.

A	25-0020	15 cm/6"
B	25-0027	18 cm/7"
C	25-0021	19 cm/7½"
D	25-0022	20 cm/8"
E	25-0023	20 cm/8" without gap



Brompton
Tube Milking Roller

25-0032



Chest Tube Passer

03-7600



03-7601





Gunnar Hey

Tube Milking Roller

25-0030



25-0037

Tube Stretcher

Tube Stretcher

25-0037 13 cm/5"

Brompton Tube Milking Roller

Teflon roller wheels, Aluminium

25-0032 16 cm/6¼"

Gunnar Hey Tube Milking Roller

Stainless steel roller wheels

25-0030 19 cm/7½"

Chest Tube Passer

The purpose of a chest tube is to restore normal vacuum (negative) pressures by removing air or fluid in a closed, one-way fashion. A chest tube can be placed during surgery or at the bedside as a sterile procedure. Placement for air removal is apical, as air rises to the highest point. Placement for fluid removal is in the fourth to sixth intercostal spaces at the mid-axillary line, as gravity pulls fluid downward. Also useful to depress lung in minimally invasive cardiac surgery.

- Facilitates placement of chest tubes
- solid design, gently curved
- extended jaw with strong teeth for good grip
- optional vascular clamp type ratchet

03-7600 24 cm/9½"

without ratchet

03-7601 24 cm/9½"

with ratchet

03-7610 36 cm/14¼"

without ratchet

03-7611 36 cm/14¼"

with ratchet

Super Tube Cutter

This unique new instrument offers superb tube cutting for all kind of plastics or silicone tube up to approx. 18 mm outer diameter. Made from anodized aluminium the instrument is extremely lightweight and can be sterilized without problem. The razor cutting blade can be exchanged. For extra large tubes up to approx. 23 mm outer diameter a special extended blade is available.

**Super Tube Cutter****Art.-No.**

25-0035 regular model

25-0036 wide model

Spare Blades**Art.-No.**

25-0035.EK

25-0036.EK

Punch Forceps for Soft Tissue Protector



Universal Tubing Scissors



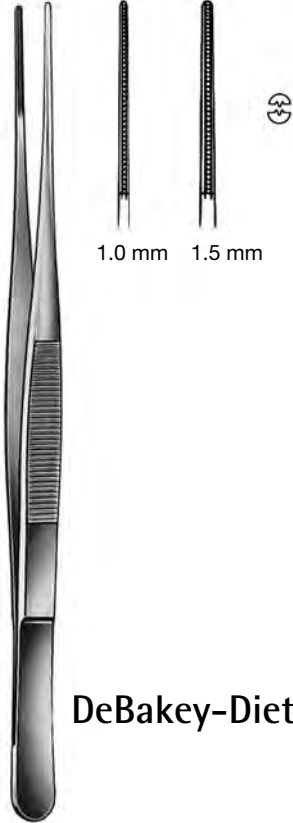
**Punch Forceps
for Soft Tissue Protector**
Art.-No. Length
25-8010 26 cm

Universal Tubing Scissors
Art.-No. Length
26-6990 19 cm/7½"
regular model

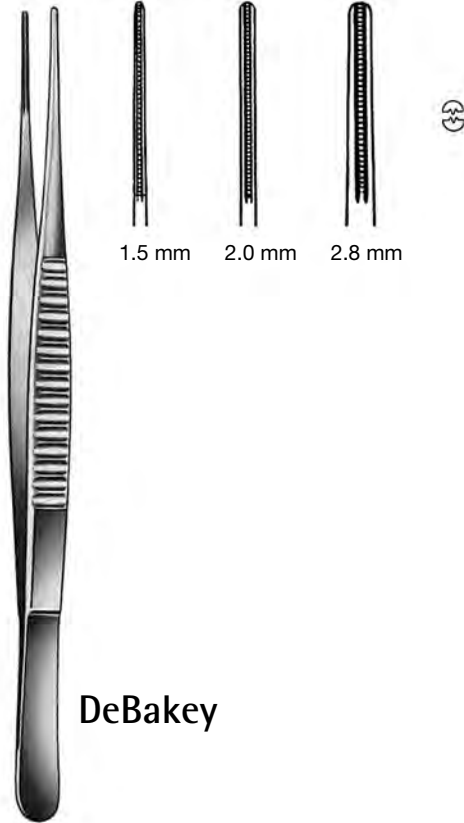




DeBakey-Light



DeBakey-Diethrich

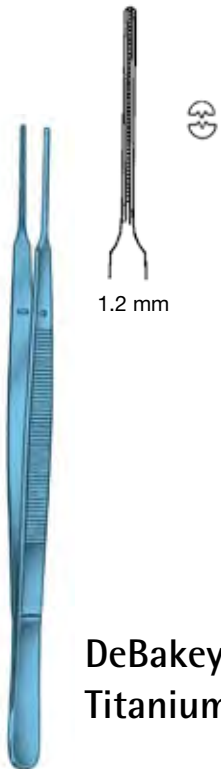


DeBakey

DeBakey-Light		
Length	jaw	Art.-No.
15.0 cm	1.0 mm	10-0050
19.5 cm	1.0 mm	10-0052
24.0 cm	1.0 mm	10-0054

DeBakey-Diethrich		
Length	jaw	Art.-No.
15.0 cm	1.0 mm	10-0096
19.5 cm	1.0 mm	10-0097
24.0 cm	1.0 mm	10-0098
15.0 cm	1.5 mm	10-0100
19.5 cm	1.5 mm	10-0102
24.0 cm	1.5 mm	10-0104

DeBakey		
Length	jaw	Art.-No.
15.0 cm	1.5 mm	10-0106
19.5 cm	1.5 mm	10-0107
24.0 cm	1.5 mm	10-0108
30.0 cm	1.5 mm	10-0109
15.0 cm	2.0 mm	10-0110
19.5 cm	2.0 mm	10-0112
24.0 cm	2.0 mm	10-0114
30.0 cm	2.0 mm	10-0116
38.0 cm	2.0 mm	10-0118
15.0 cm	2.8 mm	10-0121
19.5 cm	2.8 mm	10-0123
24.0 cm	2.8 mm	10-0125
30.0 cm	2.8 mm	10-0127
38.0 cm	2.8 mm	10-0129



**DeBakey-Gerald
Titanium**



**Gerald Ring
Titanium**

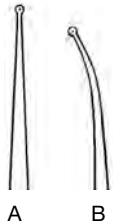


**Gerald Tying
Titanium**

DeBakey-Gerald Titanium		
Length	jaw	Art.-No.
18 cm/7"	1.2 mm	10-0350
20 cm/8"	1.2 mm	10-0351
Gerald Ring Titanium		
Length	jaw	Art.-No.
18 cm/7"	0.5 x 1.0 mm	10-0356
20 cm/8"	0.5 x 1.0 mm	10-0357
Gerald Tying Titanium		
Length	jaw	Art.-No.
18 cm/7"	1.0 mm	10-0360
20 cm/8"	1.0 mm	10-0361

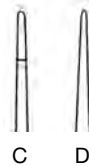


Gerald Ring		
	Length	jaw
A	18 cm/7"	0.5 x 1.0 mm
A	20 cm/8"	0.5 x 1.0 mm
B	18 cm/7"	0.5 x 1.0 mm
Gerald Tying		
	Length	jaw
C	18 cm/7"	1.0 mm
D	18 cm/7"	1.0 mm
D	20 cm/8"	1.0 mm
E	18 cm/7"	1.0 mm
F	18 cm/7"	1.0 mm
Gerald		
	Length	jaw
	18 cm/7"	1.0 mm
	Art.-No.	Art.-No.
	10-3300	10-3300.20
	10-3301	10-3305
		10-3310
		10-3311
		10-3315
		10-3316
	10-3320	



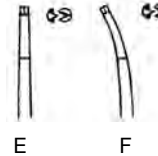
SAPPHIRE™
Enhanced Needle Grip Surface

Gerald Ring



SAPPHIRE™
Enhanced Needle Grip Surface

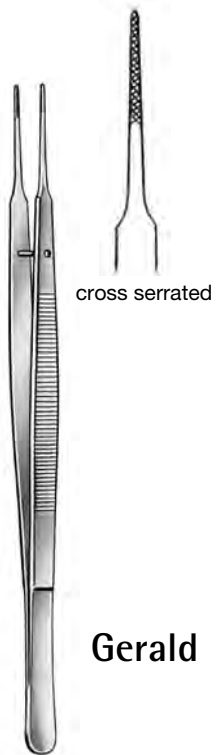
Gerald Tying



SAPPHIRE™
Enhanced Needle Grip Surface

Gerald





Gerald



Thumb



Cushing Titanium



Cooley

Gerald Length	jaw	Art.-No.
19.5 cm/7 1/4"	1.0 mm	10-3331
25.0 cm /10"	1.0 mm	10-3332
30.0 cm/12"	1.5 mm	10-3335
35.0 cm/14"	2.0 mm	10-3340

Thumb Length	jaw	Art.-No.
16 cm/6 1/4"	1.0 mm	10-3370
20 cm/8"	1.0 mm	10-3372
24 cm/9 1/2"	1.0 mm	10-3373
16 cm/6 1/4"	2.0 mm	10-3380
20 cm/8"	2.0 mm	10-3382
24 cm/9 1/2"	2.0 mm	10-3383

Cushing Titanium Length	Art.-No.
18 cm/7"	10-1910.TI

Cooley Length	Art.-No.
20 cm/8"	10-1560

**DeBakey-Gerald**

Length	jaw	Art.-No.
15 cm/6"	1.0 mm	*10-0073
18 cm/7"	1.0 mm	*10-0075
15 cm/6"	1.2 mm	10-0089
18 cm/7"	1.2 mm	10-0090
24 cm/9½"	1.2 mm	10-0091

*without pin

DeBakey-Adson

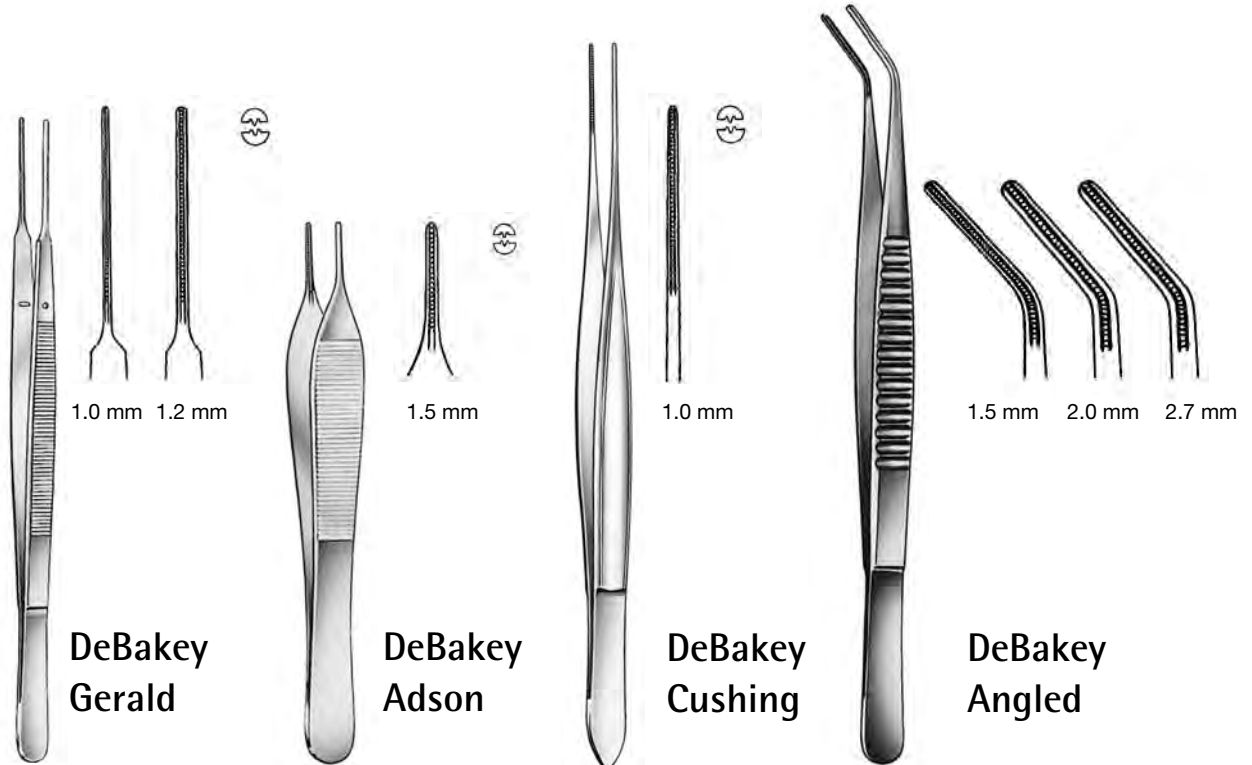
Length	jaw	Art.-No.
12.5 cm/4½"	1.5 mm	10-0105

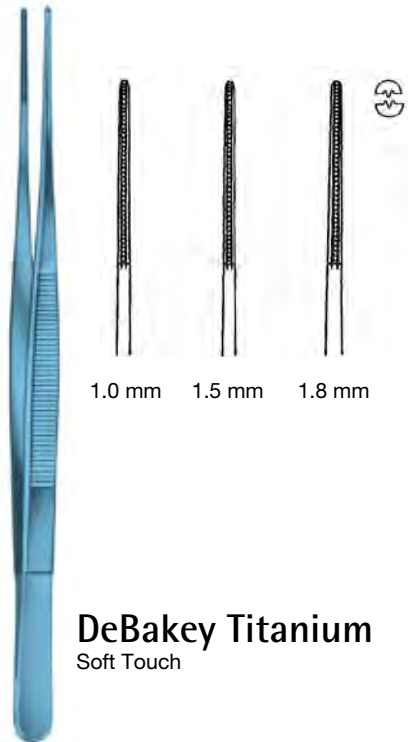
DeBakey-Cushing

Length	jaw	Art.-No.
18 cm/7"	1.0 mm	10-0072

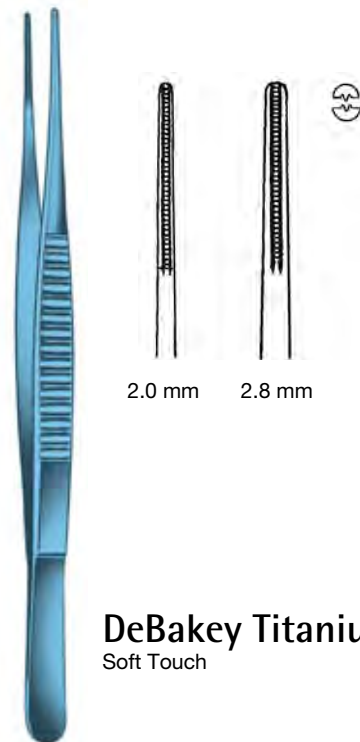
DeBakey Angled

Length	jaw	Art.-No.
15.0 cm/6"	1.5 mm	10-0150
19.5 cm/7½"	1.5 mm	10-0152
24.0 cm/9½"	1.5 mm	10-0154
15.0 cm/6"	2.0 mm	10-0140
19.5 cm/7½"	2.0 mm	10-0142
24.0 cm/9½"	2.0 mm </td <td>10-0144</td>	10-0144
30.0 cm/12"	2.0 mm	10-0146
15.0 cm/6"	2.7 mm	10-0141
19.5 cm/7½"	2.7 mm	10-0143
24.0 cm/9½"	2.7 mm	10-0145
30.0 cm/12"	2.7 mm	10-0148

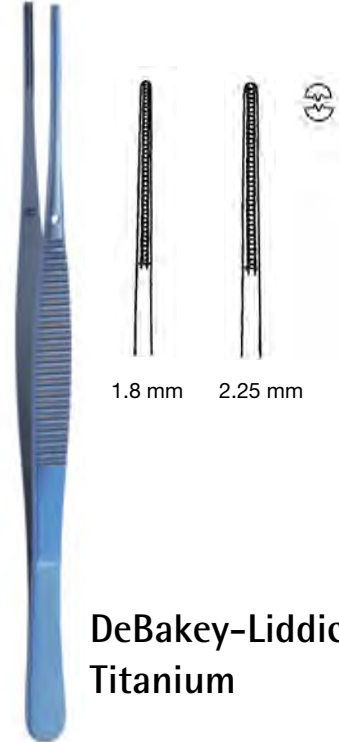
DeBakey
GeraldDeBakey
AdsonDeBakey
CushingDeBakey
Angled



DeBakey Titanium
Soft Touch



DeBakey Titanium
Soft Touch



**DeBakey-Liddicoat
Titanium**

DeBakey Titanium Soft Touch

Length	jaw	Art.-No.
15.0 cm/6"	1.0 mm	10-0315
19.5 cm/7½"	1.0 mm	10-0316
24.0 cm/9½"	1.0 mm	10-0317
15.0 cm/6"	1.5 mm	10-0320
19.5 cm/7½"	1.5 mm	10-0322
24.0 cm/9½"	1.5 mm	10-0324
15.0 cm/6"	1.8 mm	10-0330
19.5 cm/7½"	1.8 mm	10-0332
24.0 cm/9½"	1.8 mm	10-0334

DeBakey Titanium Soft Touch

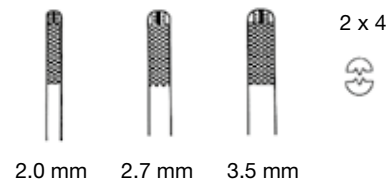
Length	jaw	Art.-No.
15.0 cm/6"	2.0 mm	10-0336
19.5 cm/7½"	2.0 mm	10-0337
24.0 cm/9½"	2.0 mm	10-0338
15.0 cm/6"	2.8 mm	10-0340
19.5 cm/7½"	2.8 mm	10-0341
24.0 cm/9½"	2.8 mm	10-0342

DeBakey-Liddicoat Titanium

Length	jaw	Art.-No.
15.0 cm/6"	1.8 mm	10-0300
19.5 cm/7½"	1.8 mm	10-0302
24.0 cm/9½"	1.8 mm	10-0304
15.0 cm/6"	2.25 mm	10-0301
19.5 cm/7½"	2.25 mm	10-0303
24.0 cm/9½"	2.25 mm	10-0305



DeBakey Needlepulling TC



DeBakey Needlepulling TC

DeBakey Needlepulling TC

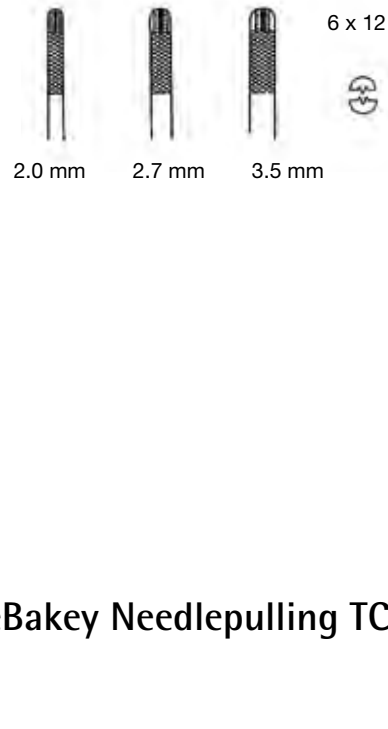
Length	jaw	Art.-No.
15.0 cm/6"	1.5 mm	10-0610
19.5 cm/7 1/2"	1.5 mm	10-0612
24.0 cm/9 1/2"	1.5 mm	10-0614

DeBakey Needlepulling TC

Length	jaw	Art.-No.
15.0 cm/6"	2.0 mm	10-0626
19.5 cm/7 1/2"	2.0 mm	10-0627
24.0 cm/9 1/2"	2.0 mm	10-0628
15.0 cm/6"	2.7 mm	10-0636
19.5 cm/7 1/2"	2.7 mm	10-0637
24.0 cm/9 1/2"	2.7 mm	10-0638
15.0 cm/6"	3.5 mm	10-0646
19.5 cm/7 1/2"	3.5 mm	10-0647
24.0 cm/9 1/2"	3.5 mm	10-0648



DeBakey Needlepulling TC



DeBakey Needlepulling TC

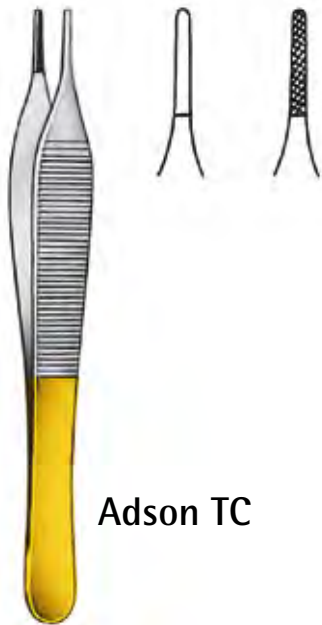
DeBakey Needlepulling TC

Length	jaw	Art.-No.
15.0 cm	1.5 mm	10-0600
19.5 cm	1.5 mm	10-0602
24.0 cm	1.5 mm	10-0604

DeBakey Needlepulling TC

Length	jaw	Art.-No.
15.0 cm	2.0 mm	10-0620
19.5 cm	2.0 mm	10-0622
24.0 cm	2.0 mm	10-0624
15.0 cm	2.7 mm	10-0630
19.5 cm	2.7 mm	10-0632
24.0 cm	2.7 mm	10-0634
15.0 cm	3.5 mm	10-0640
19.5 cm	3.5 mm	10-0642
24.0 cm	3.5 mm	10-0644

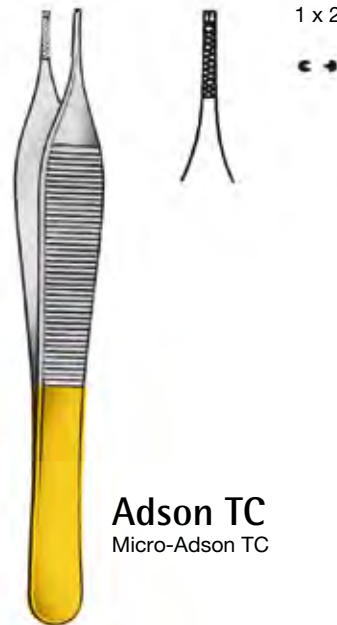




Adson TC



Adson-Brown TC



Adson TC
Micro-Adson TC

Adson TC
Smooth
Length **Art.-No.**
12.0 cm 10-0501

Standard
Length **Art.-No.**
12.0 cm 10-0500
15.0 cm 10-0502

Adson-Brown TC
Length **Art.-No.**
12.0 cm 10-0504
15.0 cm 10-0505

Adson TC-Micro-Adson TC
Length **jaw** **Art.-No.**
12.0 cm 1.7 mm 10-0550
12.0 cm 1.0 mm 10-0551
15.0 cm 1.7 mm 10-0552
15.0 cm 1.0 mm 10-0553

**Wangensteen TC**

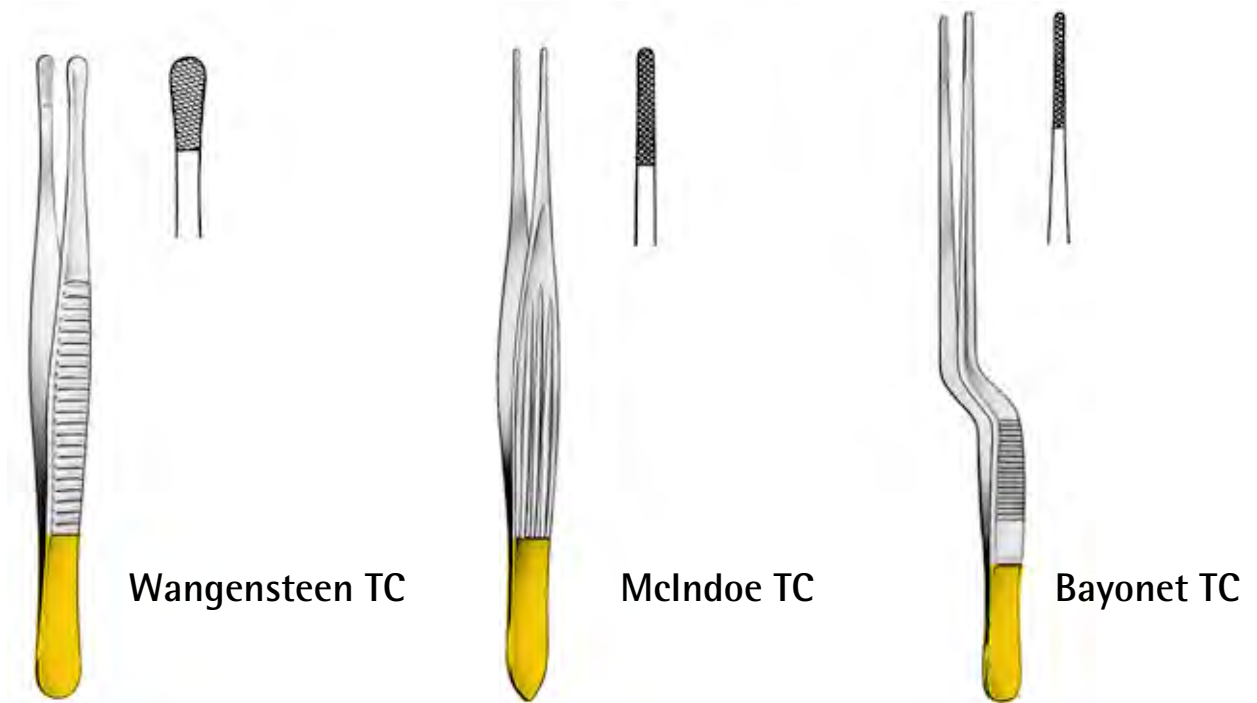
Length	Art.-No.
15.0 cm/6"	10-0545
23.0 cm/9"	10-0546
25.0 cm/10"	10-0547

McIndoe TC

Length	Art.-No.
15.0 cm/6"	10-0508

Bayonet TC

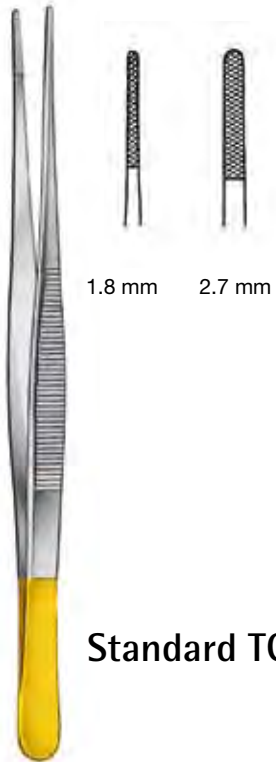
Length	Art.-No.
14.0 cm/5 1/2"	10-0516
16.0 cm/6 1/4"	10-0517



Wangensteen TC

McIndoe TC

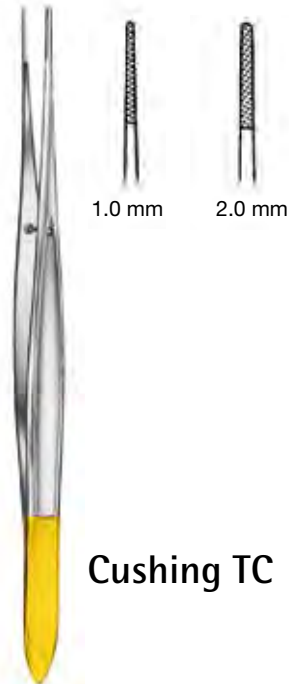
Bayonet TC



Standard TC



Potts-Smith TC



Cushing TC

Standard TC

Length	jaw	Art.-No.
14.5 cm	1.8 mm	10-0530
16.0 cm	1.8 mm	10-0532
18.0 cm	1.8 mm	10-0534
20.0 cm	1.8 mm	10-0535
23.0 cm	1.8 mm	10-0536
25.0 cm	1.8 mm	10-0537
14.5 cm	2.7 mm	10-0540
16.0 cm	2.7 mm	10-0541
18.0 cm	2.7 mm	10-0542
20.0 cm	2.7 mm	10-0543
23.0 cm	2.7 mm	10-0544

**Potts-Smith TC
With dissector**

Length	jaw	Art.-No.
16.0 cm	1.8 mm	10-0526
21.0 cm	1.8 mm	10-0527
23.0 cm	1.8 mm	10-0528
25.0 cm	1.8 mm	10-0529

Micro-Potts-Smith TC

Length	jaw	Art.-No.
21.0 cm/8½"	0.7 mm	10-0507

Cushing TC**Straight**

Length	jaw	Art.-No.
18.0 cm	1.0 mm	10-0513
18.0 cm	2.0 mm	10-0510

Angled

Length	jaw	Art.-No.
18.0 cm	2.0 mm	10-0512
18.0 cm/7"	1.0 mm	10-0513.GB

Oehler TC**A**

Length	Art.-No.
14.5 cm	10-0560
16.0 cm	10-0561
18.0 cm	10-0562
20.0 cm	10-0563
25.0 cm	10-0564

B

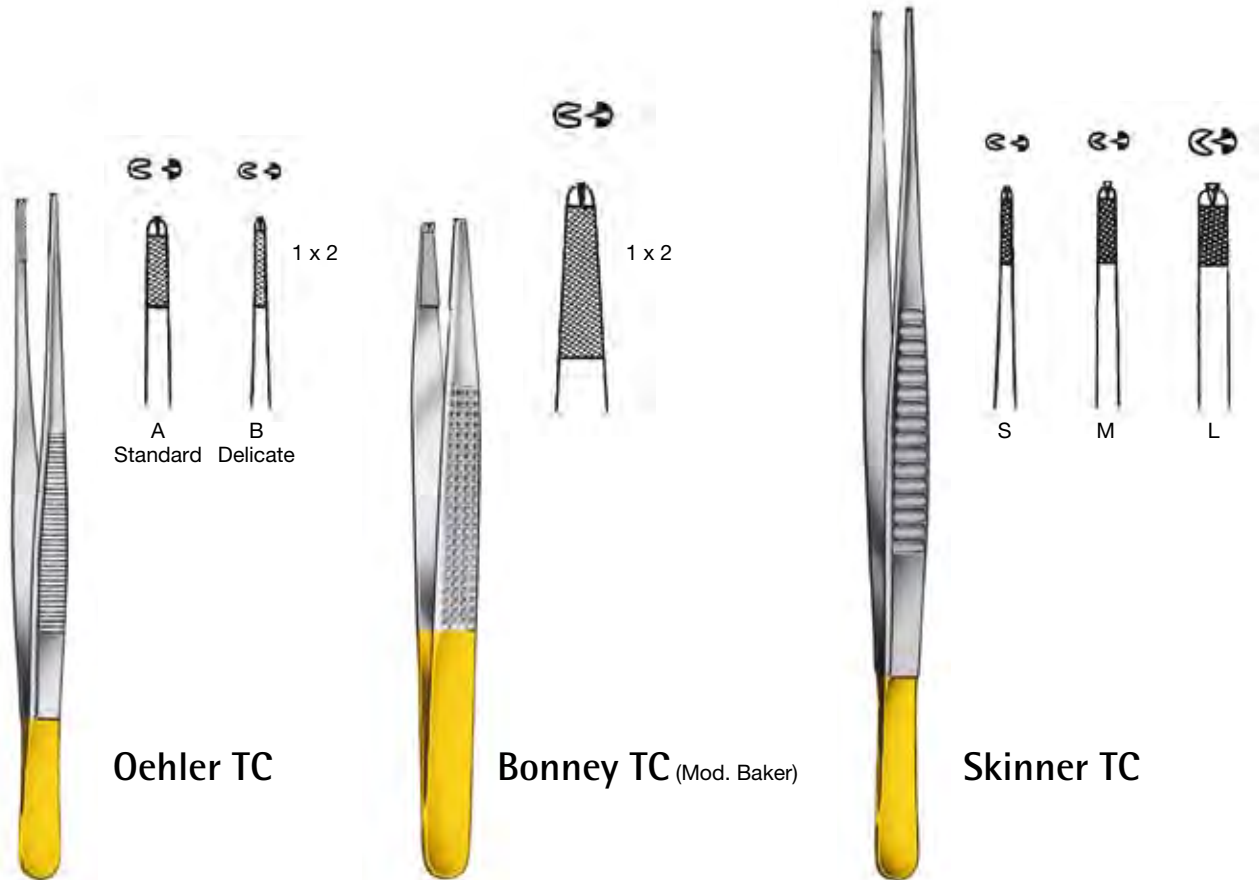
Length	Art.-No.
14.5 cm	10-0565
16.0 cm	10-0566
18.0 cm	10-0567
20.0 cm	10-0568
25.0 cm	10-0569

Bonney TC (Mod. Baker)

Length	Art.-No.
17.0 cm	10-0585

Skinner TC

Length	Size	Art.-No.
23.0 cm	S	10-0580
23.0 cm	M	10-0581
23.0 cm	L	10-0582

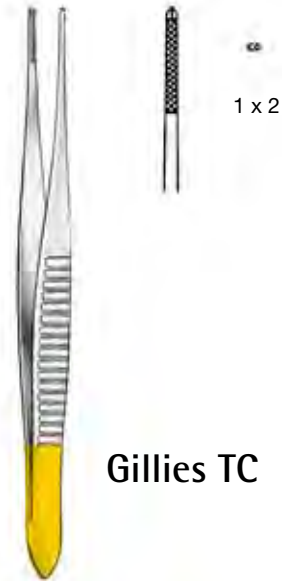




Williams TC



Mod. USA TC



Gillies TC

Williams TC	Art.-No.
Length	10-0583
20.0 cm/8"	
Mod. USA TC	Art.-No.
Length	10-0514
15.0 cm/6"	
Gillies TC	Art.-No.
Length	10-0575
15.0 cm/6"	



0.7 mm



1.1 mm



Micro-Gerald TC



1 x 2

Gerald TC



Evans TC

Micro-Gerald TC

Length	jaw	Art.-No.
18.0 cm/7"	0.7 mm	10-0519

Gerald TC

Length	jaw	Art.-No.
18.0 cm/7"	1.1 mm	10-0518
18.0 cm/7"		10-0570

Evans TC

Length	Art.-No.
25.0 cm/10"	10-0549



SAPPHIRE™
Enhanced Needle Grip Surface

Also available with Sapphire™-jaws
on request (add ".AS" behind the article no.)

Micro Jeweller's
extra precisely matching jaws
with ultra-delicate 0,3 mm tips



10-3203 12 cm
10-3204 13.5 cm



10-3213 18 cm



10-3205 11 cm



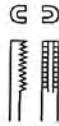
with 10° angled dilation tips
10-3200 11 cm



7 x 7

Adson-Brown

10-1835 12.0 cm



Brown

10-1841 15 cm/6"
 10-1842 20 cm/8"
 10-1843 25 cm/10"



particular suitable for
 grasping valves

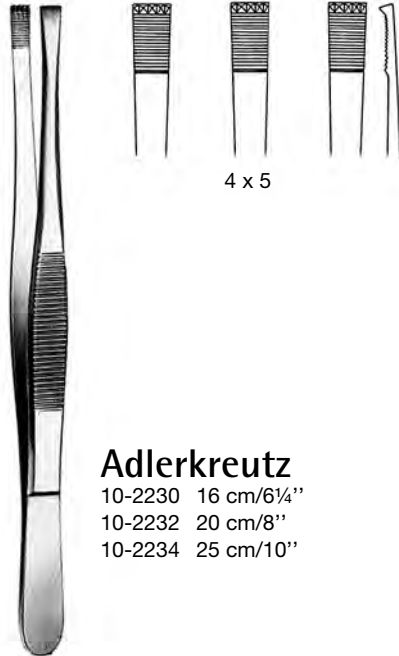
Resano

10-0250 18 cm/7"
 10-0252 23 cm/9"
[10-0252.TI](#) 23 cm/9"
 10-0254 25 cm/10"



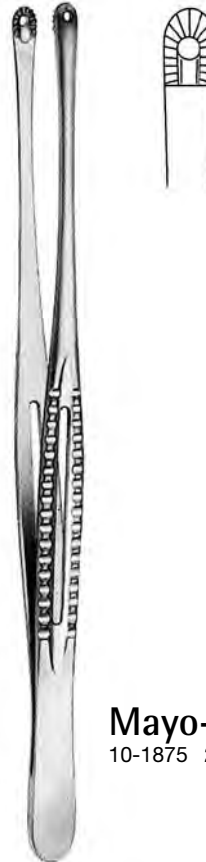
2 x 3

Adlerkreutz
10-2231 16 cm/6¼"



4 x 5

Adlerkreutz
10-2230 16 cm/6¼"
10-2232 20 cm/8"
10-2234 25 cm/10"



Mayo-Russian
10-1875 23 cm/9"



Russian
10-1870 15 cm/6"
10-1871 20 cm/8"
10-1872 25 cm/10"

**Jeweller's**

No. 3
10-3103 11.5 cm



No. 4
10-3104 11.5 cm



No. 5
10-3105 11.5 cm



No. 7
10-3107 11.5 cm



Waugh
10-2245 18 cm/7"
10-2246 20 cm/8"



Tuttle
10-1840 23 cm/9"

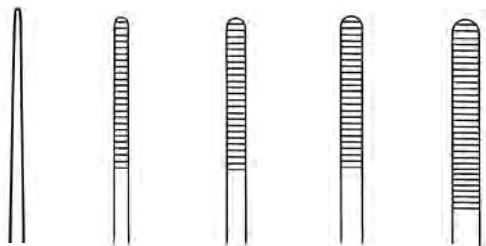
for grasping
lung tissue



Waugh
10-2249 15 cm/6"
10-2250 18 cm/7"
10-2251 20 cm/8"
10-2252 25 cm/10"
10-2253 30 cm/12"



Lung
10-1879 23 cm/9"



Length cm/”	pointed smooth	delicate	medium	slender	regular
10.5/4				10-2020	10-2000
11.5/4 ¼		10-2045		10-2022	10-2002
13.0/5		10-2046		10-2024	10-2004
14.5/5 ½		10-2047	10-2041	10-2026	10-2006
16.0/6 ¼				10-2028	10-2008
18.0/7				10-2030	10-2010
20.0/8	10-3002			10-2032	10-2012
23.0/9				10-2034	10-2014
25.0/10				10-2036	10-2016
30.0/12				10-2038	10-2018

Adson

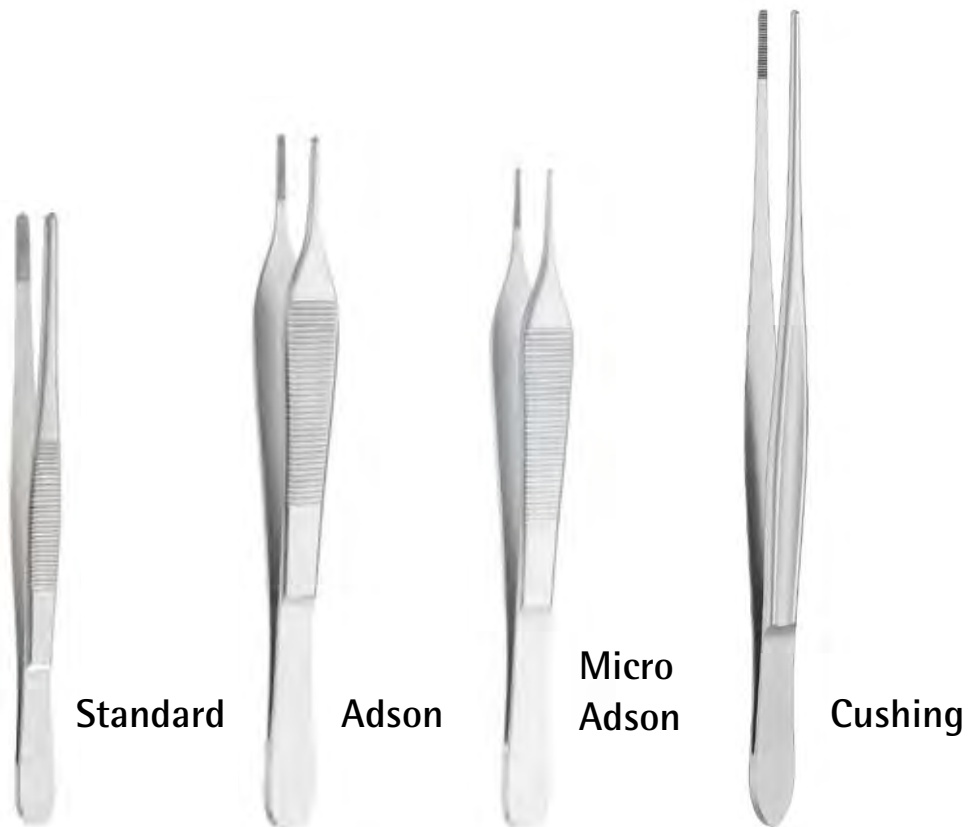
10-1740	12 cm
10-1742	15 cm

Micro-Adson

10-1741	12 cm
10-1743	15 cm

Cushing

10-1910	17.5 cm, straight
10-1911	17.5 cm, curved
10-1910.TI	Titanium, straight

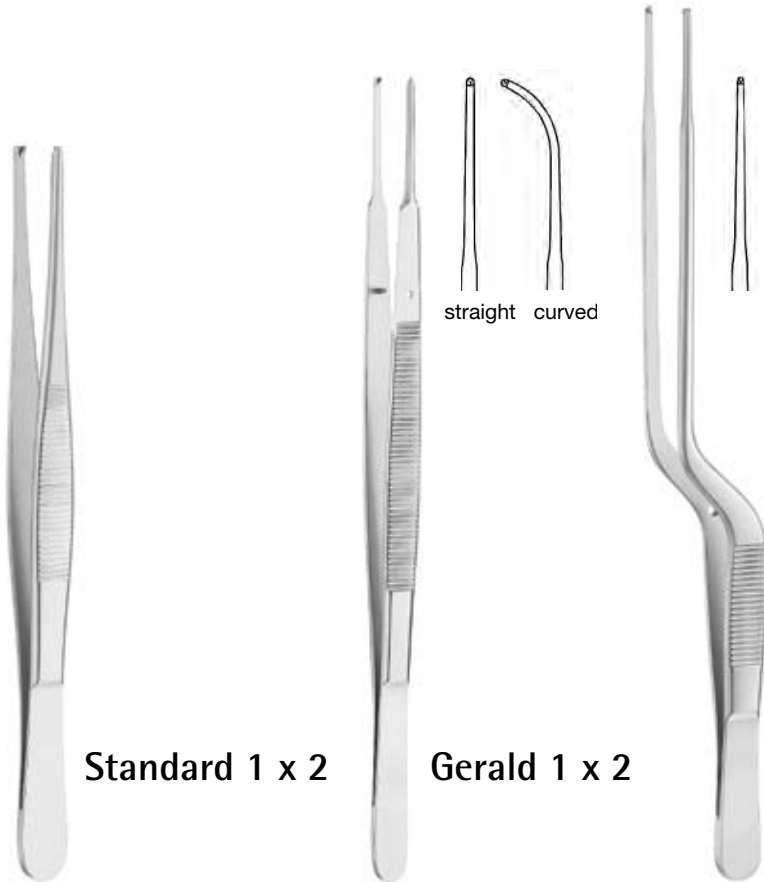


Standard

Adson

Micro
Adson

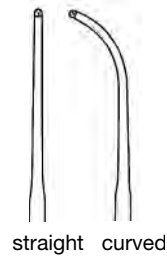
Cushing



Standard 1 x 2

Gerald 1 x 2

Gerald Bayonet 1 x 2



Standard 1 x 2

Length	delicate	slender	regular	2 x 3 wide
11.5 cm	10-2130	10-2122	10-2102	
13.0 cm	10-2131	10-2124	10-2104	10-2140
14.5 cm	10-2132	10-2126	10-2106	10-2142
16.0 cm	10-2128	10-2108	10-2144	
18.0 cm		10-2110	10-2146	
20.0 cm		10-2112	10-2148	
23.0 cm		10-2114		
25.0 cm		10-2116		
30.0 cm		10-2118		

Gerald 1 x 2

Art.-No.	Length	
10-2200	18 cm	straight
10-2201	18 cm	curved
10-1551	24 cm	straight

Gerald Bayonet 1 x 2

Art.-No.	Length
10-2202	18 cm

**Semken**

Art.-No.	Length
10-1880	13.0 cm, straight
10-1881	13.0 cm, curved
10-1882	14.5 cm, straight
10-1883	14.5 cm, curved

McIndoe

Art.-No.	Length
10-1890	15 cm/6"

Gillies

Art.-No.	Length
10-1895	15 cm/6"

Gerald

Art.-No.	Length
10-1900	18.0 cm, straight
10-1901	18.0 cm, curved
10-1550	24.0 cm, straight

Gerald Bayonet

Art.-No.	Length
10-1902	18.0 cm, straight



Semken



McIndoe

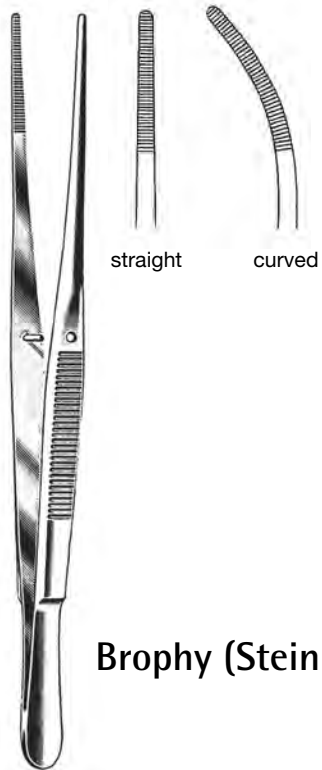


Gillies

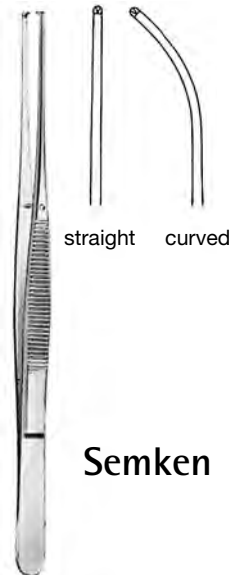


Gerald

Gerald
Bayonet



Brophy (Steinbach)



Semken

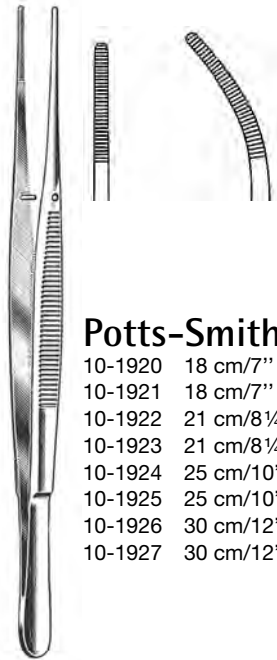


McIndoe



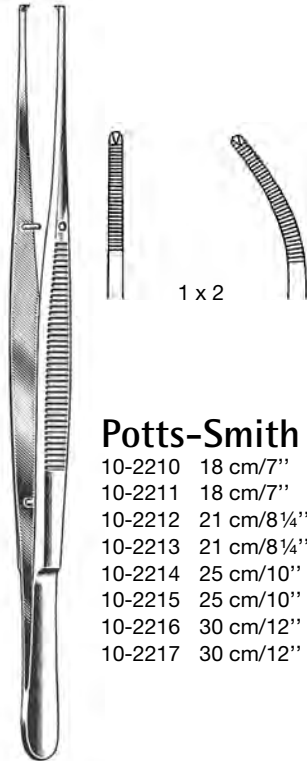
Gillies

Brophy (Steinbach)		
Art.-No.	Length	
10-1915	20 cm/8"	straight
10-1916	20 cm/8"	curved
Semken		
Art.-No.	Length	
10-2170	13 cm/5"	straight
10-2171	13 cm/5"	curved
10-2172	15.5 cm/6 1/4"	straight
10-2173	15.5 cm/6 1/4"	curved
McIndoe		
Art.-No.	Length	
10-2190	15 cm/6"	
Gillies		
Art.-No.	Length	
10-2195	15 cm/6"	



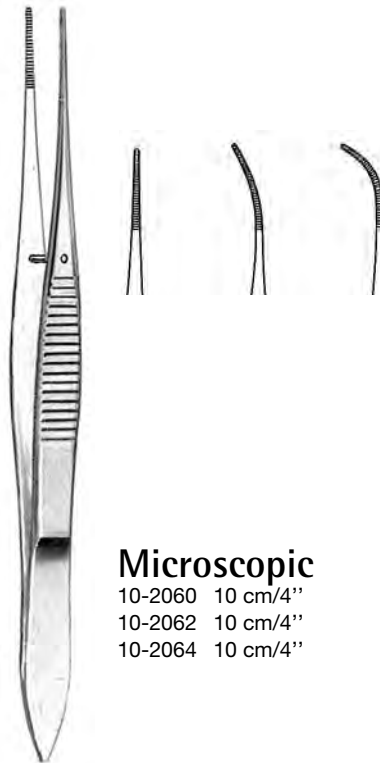
Potts-Smith

- | | | |
|---------|-----------|----------|
| 10-1920 | 18 cm/7" | straight |
| 10-1921 | 18 cm/7" | curved |
| 10-1922 | 21 cm/8¼" | straight |
| 10-1923 | 21 cm/8¼" | curved |
| 10-1924 | 25 cm/10" | straight |
| 10-1925 | 25 cm/10" | curved |
| 10-1926 | 30 cm/12" | straight |
| 10-1927 | 30 cm/12" | curved |



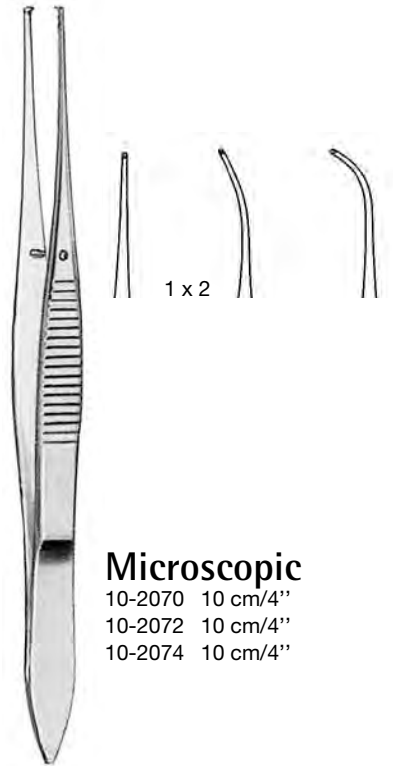
Potts-Smith

- | | | |
|---------|-----------|----------|
| 10-2210 | 18 cm/7" | straight |
| 10-2211 | 18 cm/7" | curved |
| 10-2212 | 21 cm/8¼" | straight |
| 10-2213 | 21 cm/8¼" | curved |
| 10-2214 | 25 cm/10" | straight |
| 10-2215 | 25 cm/10" | curved |
| 10-2216 | 30 cm/12" | straight |
| 10-2217 | 30 cm/12" | curved |



Microscopic

- | | |
|---------|----------|
| 10-2060 | 10 cm/4" |
| 10-2062 | 10 cm/4" |
| 10-2064 | 10 cm/4" |



Microscopic

- | | |
|---------|----------|
| 10-2070 | 10 cm/4" |
| 10-2072 | 10 cm/4" |
| 10-2074 | 10 cm/4" |



Adson 1 x 2

10-1832 12 cm
10-1838 15 cm



Adson 1 x 2

serrated
10-1831 12 cm
10-1837 15 cm



Micro-Adson 1 x 2

10-1833 12 cm
10-1839 15 cm



Cushing

10-2220 17.5 cm/6½" straight
10-2221 17.5 cm/6½" curved

**Broli-Adson**

10-1750 15 cm/1.2 mm

**Broli-Adson**10-1752 15 cm/1.2 mm
curved**Broli-Adson 1x2**

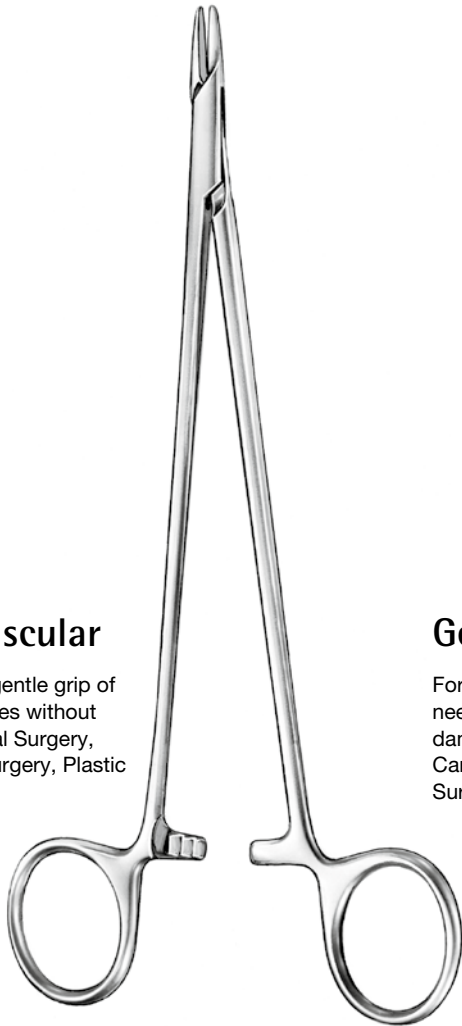
10-1751 15 cm/1.2 mm



SAPPHIRE™
Enhanced Needle Grip Surface

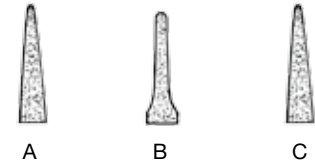
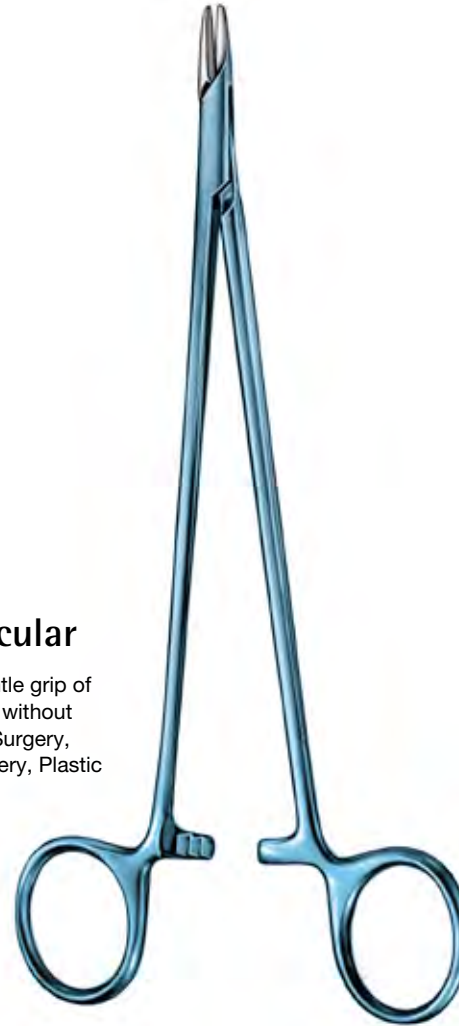
Geister-Vascular

For a secure but gentle grip of needles and sutures without damage in General Surgery, Cardiovascular Surgery, Plastic Surgery, Urology



Geister-Vascular

For a secure but gentle grip of needles and sutures without damage in General Surgery, Cardiovascular Surgery, Plastic Surgery, Urology



Geister-Vascular		
Length	Fig.	Art.-No.
13 cm/5"	A	24-0496
16.5 cm/6¼"		24-0498
18 cm/7"		24-0500
19 cm/7½"		24-0502
23 cm/9"		24-0504
13 cm/5"	B	24-0497
16.5 cm/6¼"		24-0499
18 cm/7"		24-0501
19 cm/7½"		24-0503
23 cm/9"		24-0505
12.5 cm/4½"	C	24-0530
14.5 cm/5½"		24-0532
17.5 cm/6½"		24-0534
19.5 cm/7½"		24-0536
22.5 cm/8½"		24-0538



Derf



24-8101
13 cm/5"



Webster



24-8111
13 cm/5"



Baumgartner



24-8115
13 cm/5"



Crile-Wood



24-8131
15 cm/6"



Mayo-Hegar

Mathieu



24-8142
16 cm/6¼"



24-8143
18 cm/7"



24-8144
20 cm/8"



24-8145
24 cm/9½"



24-8146
26 cm/10¼"



24-8170
14 cm/5½"



24-8171
17 cm/6½"



24-8172
20 cm/8"

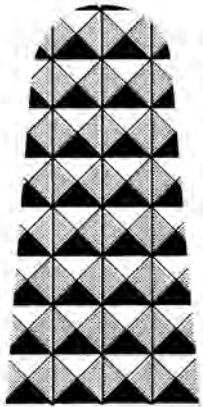


Needle Holders with TC-Inserts

The logo for GEISTER, featuring the brand name in a serif font with a registered trademark symbol, enclosed within a light-colored oval border.

TC-Insert Styles

Serration pitch

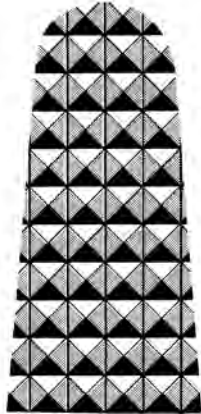


(C) Coarse

1500 teeth PSI
0.65 mm

2 – 0 and larger

For powerful needle holder patterns and wire twisters. Maximum holding capabilities for heavy needles or wire.

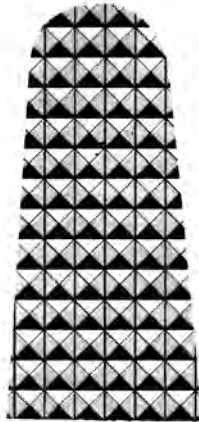


(N) Standard

2600 teeth PSI
0.5 mm

3 – 0 and larger

Used in standard needle holder patterns like Mayo-Hegar, Mathieu, Bozemann, Needle holders a.o.



(F) Fine

4000 teeth PSI
0.4 mm

4 – 0 to 6 – 0

For delicate needle holders, such as Crile-Wood, DeBakey o.a. Will hold suture effectively when instrument tying is desired.



(M) Micro

16000 teeth PSI
0.2 – 0.3 mm

7 – 0 and smaller

For micro needle holders, such as Castroviejo, Micro-Vascular, Mini-Ryder o.a. For holding delicate needles and sutures with minimal to no damage to needle or suture.



(S) Smooth

0 teeth PSI

7 – 0 and smaller

Used in needle holders for plastic or microsurgery for holding smallest sutures without damage. Limited holding ability through smooth surface, however.



Mayo-Hegar
2.5 mm



Crile-Wood
2.0 mm

①

24-0129 14 cm	24-0130 16 cm 24-0130.TI	24-0131 18 cm 24-0131.TI	24-0132 20 cm 24-0132.TI	24-0133 24 cm	24-0134 26 cm	24-0135 30 cm

②

24-0310 15 cm	24-0311 18 cm	24-0312 20 cm	24-0313 23 cm	24-0314 26 cm	24-0315 30 cm	24-0308 15 cm/6''

③

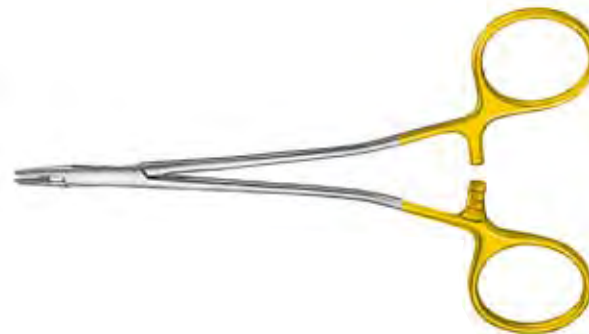
**Baby Crile-Wood**

1.7 mm



Ⓔ

24-0307
15 cm/6''
[24-0307.TI](#)

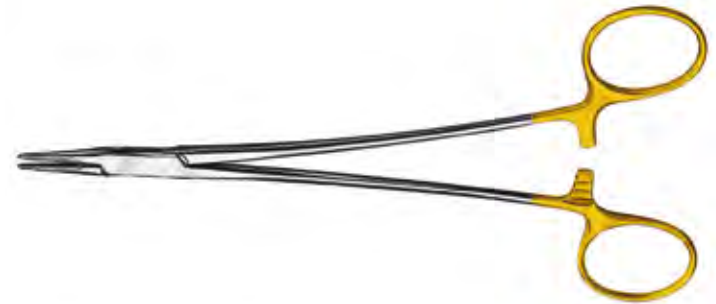
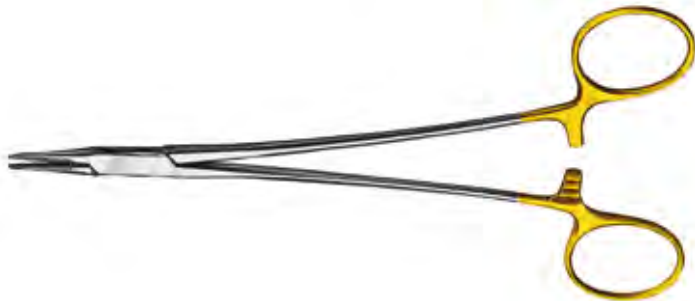
**Swedish**

1.7 mm



Ⓔ

24-0490
14 cm/5½''



DeBakey

1.5 mm

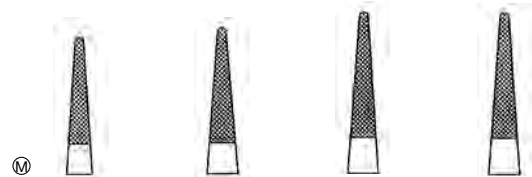


®

- | | | | | |
|----------------------------|----------------------------|---------|----------------------------|---------|
| 24-0360 | 24-0361 | 24-0362 | 24-0363 | 24-0364 |
| 18 cm | 20 cm | 23 cm | 26 cm | 30 cm |
| 24-0360.TI | 24-0361.TI | | 24-0363.TI | |

Micro-Vascular

1.2 mm
(DeBakey delicate)



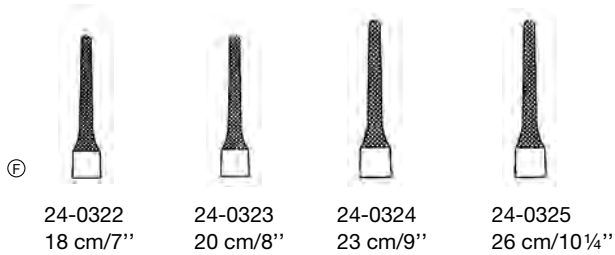
®

- | | | | |
|---------|---------|---------|---------|
| 24-0350 | 24-0351 | 24-0352 | 24-0353 |
| 14 cm | 18 cm | 20 cm | 23 cm |



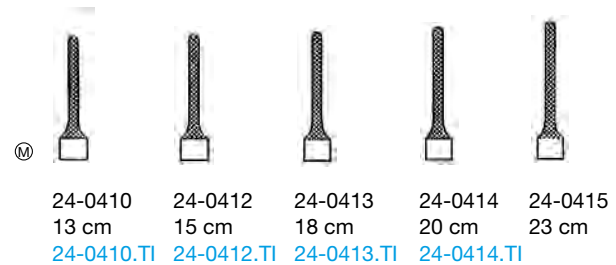
Intracardiac

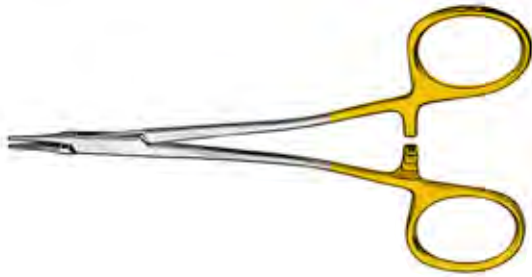
1.9 mm



Mini-Ryder

1.2 mm

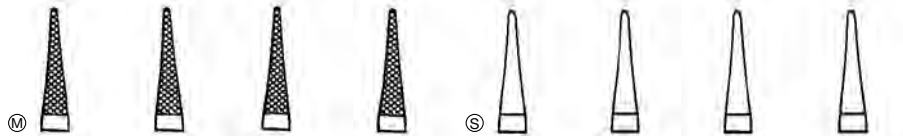




Eufrate-Pasqué
1.2 mm



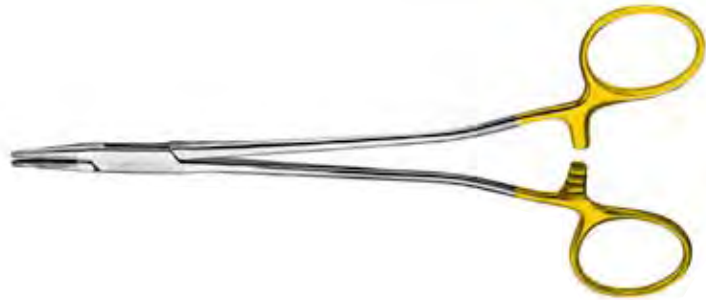
Lemmon
1.6 mm



- 24-0444 14 cm/5½"
- 24-0445 15 cm/6"
- 24-0446 18 cm/7"
- 24-0447 20 cm/8"
- 24-0439 14 cm/5½"
- 24-0440 15 cm/6"
- 24-0441 18 cm/7"
- 24-0442 20 cm/8"



- 24-0400 14 cm/5½"
- 24-0401 17 cm/6½"
- 24-0402 19 cm/7½"



Sarot
1.9 mm



24-0331
18 cm/7"



24-0332
20 cm/8"



24-0333
23 cm/9"



24-0334
26 cm/10¼"



Castroviejo/Hepp-Scheidel
1.2 mm



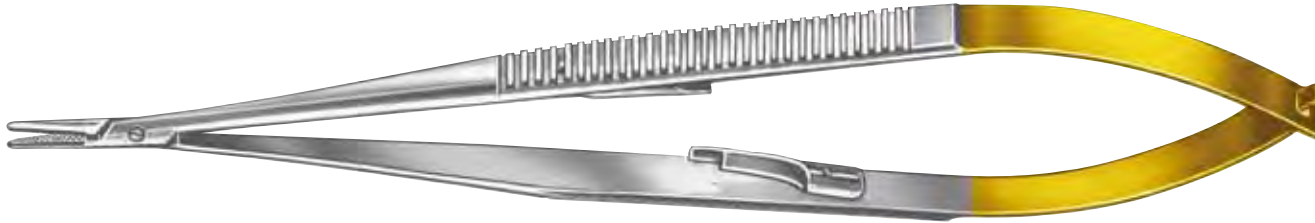
24-0250
13 cm



24-0252
13 cm



03-0270
18 cm



Castroviejo

1.2 mm



24-0200
14 cm



24-0201
14 cm



24-0220
14 cm



24-0221
14 cm



24-0204
18 cm



24-0205
18 cm



24-0224
18 cm



24-0225
18 cm



24-0208
21 cm



24-0209
21 cm



24-0228
21 cm



24-0229
21 cm



Giannini
1.3 mm

Giannini Heavy
1.9 mm

French-Eye
2.1 mm



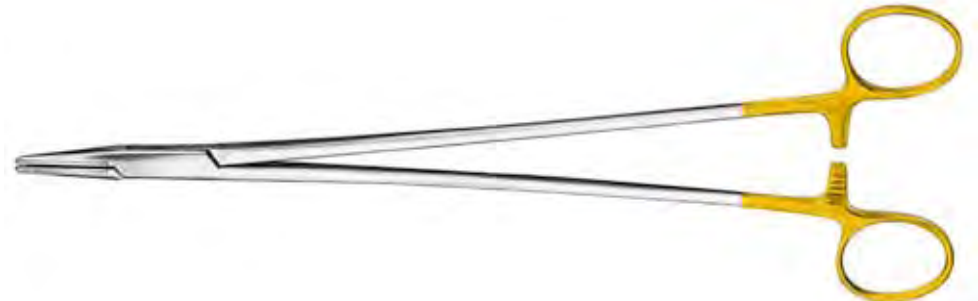
24-0255
24 cm/9 1/2"



24-0258
24 cm/9 1/2"



24-0341 16 cm 24-0342 18 cm 24-0343 20 cm 24-0344 24 cm 24-0345 26 cm

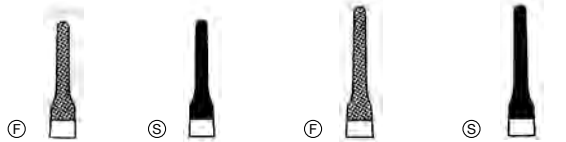


Neurosurgical

1.7 mm
(French Eye delicate)

Wangensteen

2.4 mm



24-0346
13 cm

24-0348
13 cm

24-0347
15 cm

24-0349
15 cm

24-0379
28 cm/11"



Derf
1.4 mm



Halsey
1.6 mm

Halsey-Webster
1.6 mm



Webster
1.5 mm



Baumgartner
2.1 mm



Ⓔ
24-0305
12 cm/4 1/2"



24-0301
13 cm/5"
[24-0301.TI](#)



Ⓢ
24-0300
13 cm/5"



Ⓢ
24-0292
12 cm/4 1/2"



Ⓜ
24-0291
12 cm/4 1/2"



Ⓝ
24-0302
13 cm/5"



Finochietto

2.6 mm

Crile-Wood

curved 1.8 mm



Ⓕ

24-0148
21 cm/8¼"



24-0149
26 cm/10¼"



Ⓕ

24-0306
13 cm/5"



24-0316
15 cm/6"



24-0317
18 cm/7"



24-0318
20 cm/8"



24-0319
23 cm/9"



Heaney
2.6 mm



Ⓕ 24-0145
21 cm/8¼"



24-0146
23 cm/9"



24-0147
26 cm/10¼"



Diethrich Ryder
1.2 mm



Ⓜ 24-0420
16 cm



24-0421
18 cm



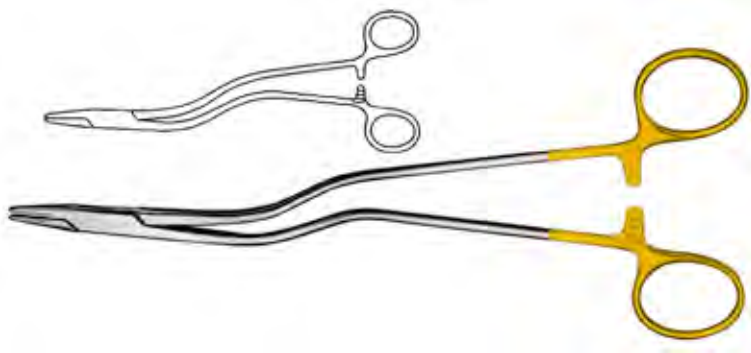
24-0422
20 cm



24-0423
23 cm



24-0424
26 cm



Masson-Lüthy

2.5 mm



24-0156
20 cm/8"

24-0157
25 cm/10"



Bozemann-Finochietto

2.5 mm



24-0158
20 cm/8"

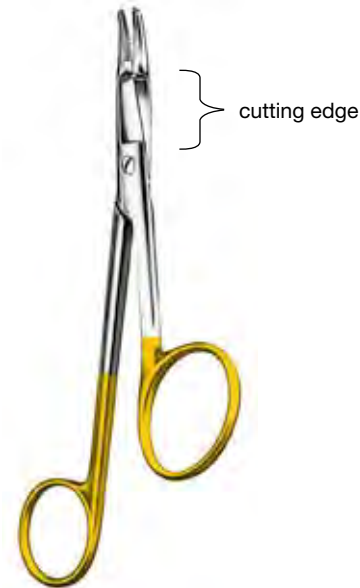
24-0159
25 cm/10"




Kilner
1.9 mm



Olsen-Hegar mini
1.8 mm



Gillies
2.2 mm



Neivert (Offset Ring)
1.7 mm



24-0303
13 cm/5"



24-0160
12 cm/4"



24-0167
16 cm/6¼"



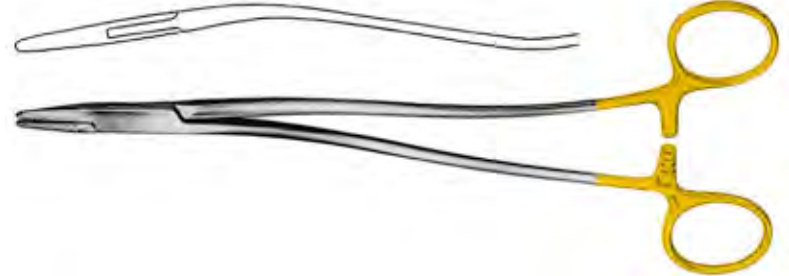
24-0304
13 cm/5"



Hegar
2.7 mm



24-0150
20 cm/8"



Bozemann (Wertheim)
2.7 mm



24-0140
20 cm/8"



24-0141
23 cm/9"



24-0142
26 cm/10¼"

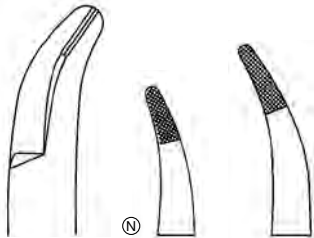


24-0143
30 cm/12"



Stratte

2.7 mm

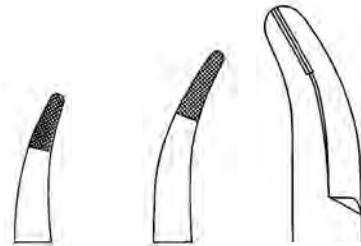


24-0372
20 cm/8"

24-0370
23 cm/9"

Stratte reverse

2.7 mm



24-0373
20 cm/8"

24-0371
23 cm/9"

Zweifel

2.9 mm






24-0050
20 cm

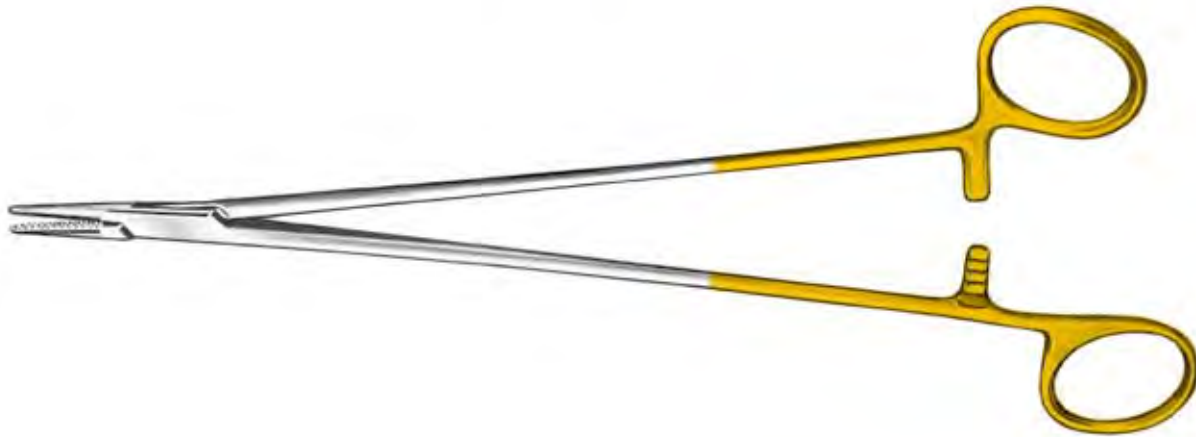


Mathieu
2.4 mm

Mathieu
2.9 mm

- 
 24-0040
14 cm
- 
 24-0041
17 cm
- 
 24-0042
20 cm

- 
 24-0046
17 cm
- 
 24-0047
20 cm
- 
 24-0048
23 cm



Crile-Wood

2.0 mm with extended ring

DeBakey

1.7 mm with extended ring



24-0762
19.5 cm/7 1/2"



24-0764
21.5 cm/8 1/4"



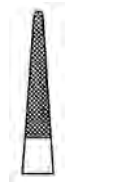
24-0766
24.5 cm/9 1/2"



24-0761
16.5 cm/6 1/4"



24-0763
19.5 cm/7 1/2"



24-0767
24.5 cm/9 1/2"

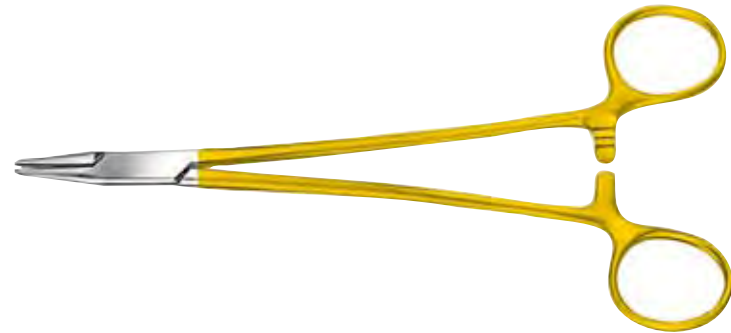


Left-hand Baumgartner

1.7 mm



24-7582.LH
13 cm/5"



Left-hand Mayo-Hegar

2.5 mm



24-7530.LH
16 cm/6¼"



24-7531.LH
18 cm/7"



24-7532.LH
20 cm/8"



Left-hand French eye (Ryder)

1.9 mm



⑤ 24-7560.LH
16 cm/6¼"

24-7561.LH
18 cm/7"



Left-hand DeBakey

1.9 mm



⑤ 24-7550.LH
18 cm/7"

24-7552.LH
23 cm/9"

24-7553.LH
26 cm/10¼"

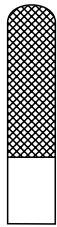
24-7554.LH
30 cm/12"



Heavy Berry

6.0 mm

Wire Twister with TC-Inserts



24-0127
20 cm/8"

Rubio

4.8 mm

Mini Wire Twister with TC-Inserts



24-0128
13 cm/5"



Berry
5.0 mm



©

24-0119
18 cm/7"



Automatic



®

24-0110
16 cm/6¼"



24-0105
16 cm/6¼"

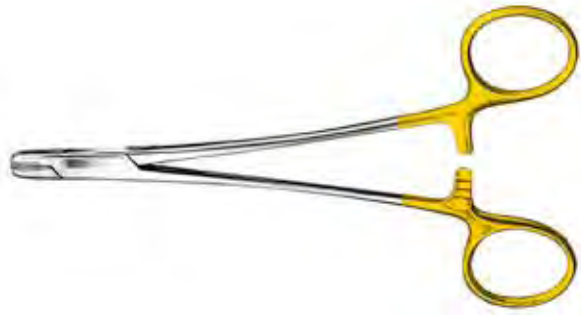


24-0100
16 cm/6¼"



©

24-0115
18 cm/7"



Wire Twister

Mathieu-Style

4.0 mm

2.5 mm

3.9 mm

3.0 mm



24-0130
16 cm/6 1/4"

24-0125
16 cm/6 1/4"

24-0120
16 cm/6 1/4"

24-0126
18 cm/7"

24-0121
18 cm/7"

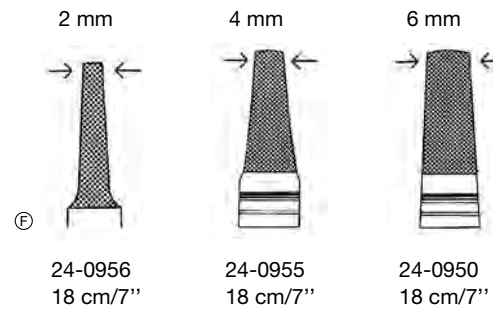
24-0980
17 cm/6 1/2"

24-0981
20 cm/8"



Wire Holding Forceps

14-0700
13 cm/5"

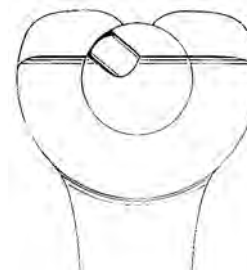




14-0669
14 cm/5½"



14-0670
17 cm/6½"



14-0675
16 cm/6¼"

**Ley™ Prosthesis**

Art.-No.	Length	Size
04-1010	138 x 42 mm	small
04-1011	138 x 46 mm	small+
04-1012	148 x 42 mm	medium
04-1014	158 x 42 mm	large

Ley™ Midi Prosthesis

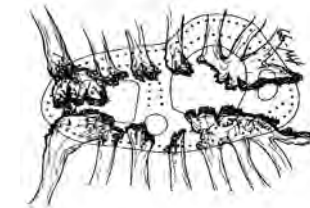
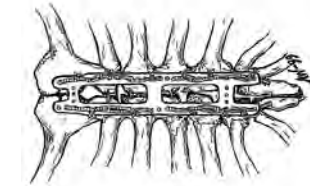
04-1020	142 x 73 mm	small
04-1021	153 x 73 mm	small+
04-1024	142 x 83 mm	medium
04-1025	153 x 83 mm	medium+
04-1028	142 x 93 mm	large
04-1029	153 x 93 mm	large+

Ley™ Maxi Prosthesis

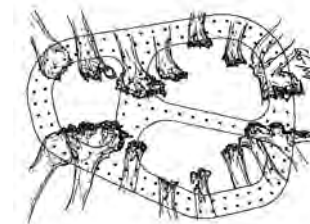
04-1040	160 x 125 mm	small
04-1042	180 x 141 mm	medium
04-1044	200 x 157 mm	large

Ley™ Device

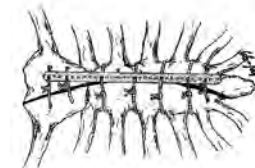
04-1000	98 x 8 mm
04-1001	118 x 8 mm
04-1002	128 x 8 mm
04-1003	138 x 8 mm
04-1004	148 x 8 mm



Midi



Maxi



Device

Midi Cutter



18 cm

Midi Cutter

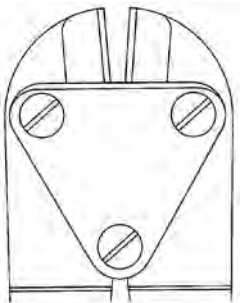


20 cm

Maxi Cutter



Midi Cutter		
Art.-No.	Length	Wire max.
24-0906	18 cm	1.5 mm
24-0905	20 cm	1.5 mm
Maxi Cutter		
Art.-No.	Length	Wire max.
24-0910	18 cm	1.7 mm
24-0920	22 cm	2.5 mm

Power Cutter

also recommended for plates

24-0940
24 cm/3.5 mm



– removeable handles –

24-0930
57 cm/6.5 mm



Toennis-Adson TC

Extra delicate scissors with slightly curved edges, ideally suited for I.M.A.-dissection



Ligature TC

Designed for cutting of suture materials. Wave-cut prevents slipping out.



Metzenbaum TC

S-curved SH/BL

Toennis-Adson TC fino

26-0118	17.5 cm
26-0118.23	23.0 cm
superfino	
26-0116	17.5 cm

Ligature TC y-shanks

26-0500	17.5 cm
26-0501	23.0 cm
26-0502	25.0 cm

Ligature TC straight shanks

26-0500G	17.5 cm
26-0501G	23.0 cm
26-0502G	25.0 cm

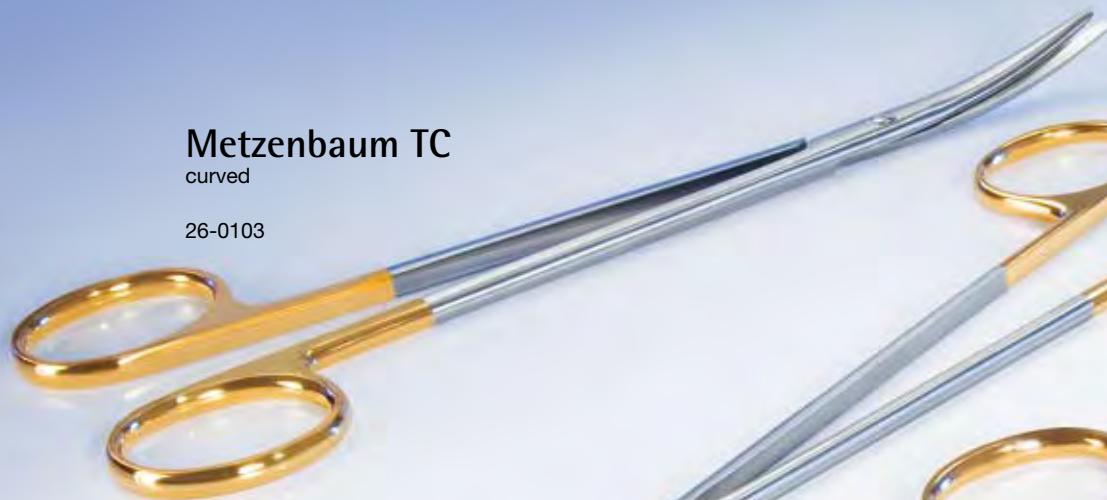
Metzenbaum S-curved SH/BL

26-0119	14.5 cm/5½"
---------	-------------

GEISTER®**Metzenbaum TC**

curved

26-0103

**Metzenbaum Fino TC**

straight

26-0122





Metzenbaum TC

straight

26-0102



Metzenbaum Fino TC

curved

26-0123



Metzenbaum TC straight

26-0100	26-0102	26-0104	26-0106	26-0108	26-0110	26-0112
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm	30 cm

Nelson Metzenbaum TC straight

26-0106	26-0108	26-0110	26-0112
23 cm	25 cm	28 cm	30 cm

Metzenbaum TC curved

26-0101	26-0103	26-0105	26-0107	26-0109	26-0111	26-0113	26-0115
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm	30 cm	36 cm

Nelson Metzenbaum TC curved

26-0107	26-0109	26-0111	26-0113	26-0115
23 cm	25 cm	28 cm	30 cm	36 cm

Metzenbaum Fino TC (delicate) straight

26-0120	26-0122	26-0124	26-0126
14 cm	18 cm	20 cm	23 cm

curved

26-0121	26-0123	26-0125	26-0127	26-0129	26-0131
14 cm	18 cm	20 cm	23 cm	26 cm	28 cm

Metzenbaum-Fino TC pointed**straight**

26-0180	26-0182	26-0184	26-0186
14 cm	18 cm	20 cm	23 cm

curved

26-0181	26-0183	26-0185	26-0187
14 cm	18 cm	20 cm	23 cm

Standard TC**straight**

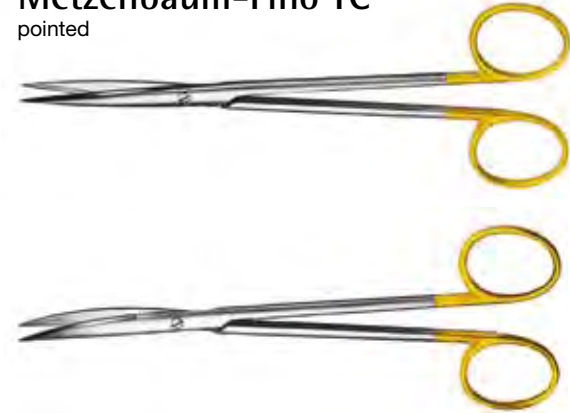
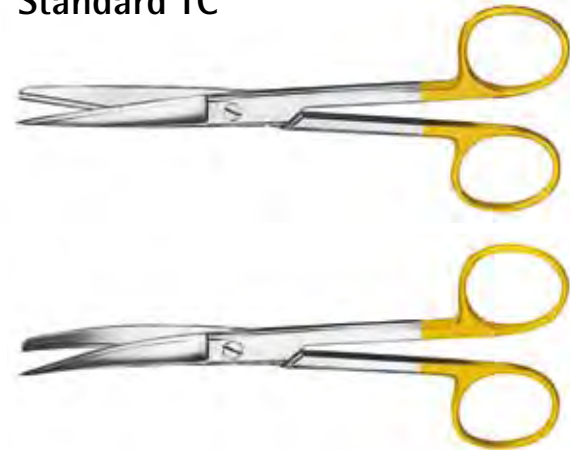
blunt/blunt	sharp/blunt	sharp/sharp
26-0010	26-0011	26-0012
14.5 cm	14.5 cm	14.5 cm

curved

blunt/blunt	sharp/blunt	sharp/sharp
26-0013	26-0014	26-0015
14.5 cm	14.5 cm	14.5 cm

Metzenbaum-Fino TC

pointed

**Standard TC**



DeBakey TC



Potts-Smith TC



Mayo-Stille TC

**DeBakey TC**

25°	45°	65°
26-0210	26-0215	26-0220
17 cm/6½"	17 cm/6½"	17 cm/6½"
26-0211	26-0216	26-0221
23 cm/9"	23 cm/9"	23 cm/9"
26-0212	26-0217	26-0222
28 cm/11"	28 cm/11"	28 cm/11"

Potts-Smith TC

25°	45°	65°
26-0200	26-0201	26-0202
19 cm/7½"	19 cm/7½"	19 cm/7½"

Mayo-Stille TC

straight	
26-0030	26-0032
15 cm/6"	17 cm/6½"
curved	
26-0031	26-0033
15 cm/6"	17 cm/6½"

Mayo TC**straight**

26-0020	26-0022	26-0025
14 cm	17 cm	23 cm

curved

26-0021	26-0023	26-0026
14 cm	17 cm	23 cm

Mayo-Lexer TC**straight**

26-0040	26-0042
16 cm	21 cm

curved

26-0041	26-0043
16 cm	21 cm



Iris TC



Universal TC

Wire Cutter



Strabismus TC



Goldmann-Fox TC

**Iris TC**

straight	curved
26-0150	26-0151
11 cm	11 cm

Strabismus TC

straight	curved
26-0155	26-0156
11 cm	11 cm

Universal TC Wire Cutter

26-0140
12 cm

Goldmann-Fox TC

straight	curved
26-0160	26-0161
13 cm	13 cm



Metzenbaum Fino "ST"

26-6217.ST



26-6201.ST

Metzenbaum "ST"





Mayo-Stille "ST"

26-6132.ST

26-6148.ST

Toennis-Adson-Superfino "ST"

Experience the ultimate cutting performance!

- top class product with special construction
- ultra-sharp edges for ultimate cutting performance
- smooth cutting action
- for fine as well as coarse tissue
- special hardened for maximum durability and long lasting sharpness
- one shank gold plated for identification
- aseptic surface finish

Toennis-Adson-Superfino "ST"

curved

26-6148.ST

17.5 cm/6½"

Mayo-Stille "ST"

straight

26-6132.ST

17 cm/6½"

26-6134.ST

19 cm/7½"

curved

26-6133.ST

17 cm/6½"

26-6135.ST

19 cm/7½"

Metzenbaum "ST"

straight

26-6190.ST

14 cm/5½"

26-6191.ST

18 cm/7"

26-6192.ST

20 cm/8"

26-6193.ST

23 cm/9"

26-6194.ST

25 cm/10"

curved

26-6200.ST

14 cm/5½"

26-6201.ST

18 cm/7"

26-6202.ST

20 cm/8"

26-6203.ST

23 cm/9"

26-6204.ST

25 cm/10"

Metzenbaum Fino "ST"

straight

26-6208.ST

14 cm/5½"

26-6210.ST

18 cm/7"

26-6211.ST

20 cm/8"

26-6212.ST

23 cm/9"

26-6213.ST

25 cm/10"

curved

26-6209.ST

14 cm/5½"

26-6215.ST

18 cm/7"

26-6216.ST

20 cm/8"

26-6217.ST

23 cm/9"

26-6218.ST

25 cm/10"



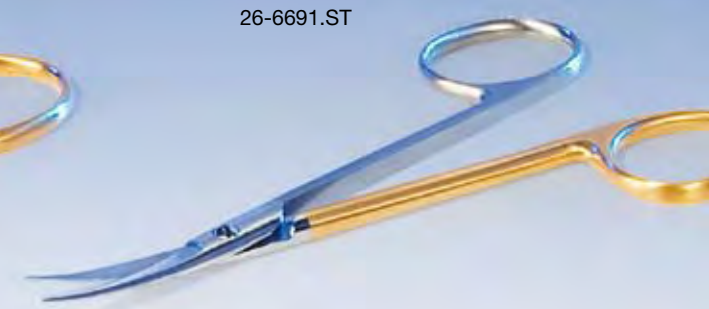
Reynolds "ST"
(Metzenbaum Tenotomy)

26-6252.ST



Iris "ST"

26-6691.ST



26-6161.ST

Stevens "ST"



Experience the ultimate cutting performance!

- top class product with special construction
- ultra-sharp edges for ultimate cutting performance
- smooth cutting action
- for fine as well as coarse tissue
- special hardened for maximum durability and long lasting sharpness
- one shank gold plated for identification
- aseptic surface finish



26-6172.ST

Ragnell-Kilner "ST"

Stevens "ST"

straight	curved
26-6160.ST	26-6161.ST
12.5 cm/4½"	12.5 cm/4½"

Iris "ST"

straight		curved	
26-6686.ST	26-6690.ST	26-6687.ST	26-6691.ST
10.5 cm/4"	12.5 cm/4½"	10.5 cm/4"	12.5 cm/4½"

Reynolds "ST"

(Metzenbaum Tenotomy)

straight				
26-6240.ST	26-6242.ST	26-6244.ST	26-6246.ST	26-6248.ST
13 cm/5"	15 cm/6"	18 cm/7"	20 cm/8"	23 cm/9"
curved				
26-6250.ST	26-6252.ST	26-6254.ST	26-6256.ST	26-6258.ST
13 cm/5"	15 cm/6"	18 cm/7"	20 cm/8"	23 cm/9"

Ragnell-Kilner "ST"

curved			
26-6170.ST	26-6172.ST	26-6174.ST	26-6176.ST
12.5 cm/4½"	15 cm/6"	18 cm/7"	20 cm/8"



Metzenbaum

curved

26-6201



Metzenbaum

straight

26-6190



26-6217.SC

Metzenbaum Fino "SC"

curved



26-6201.SC

Metzenbaum "SC"

curved





Metzenbaum Fino

curved

26-6215



26-6210

Metzenbaum Fino

straight

■ SC = Super Cut

Metzenbaum straight

26-6190	26-6191	26-6192	26-6193	26-6194	26-6195	26-6196
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm	31 cm
26-6190.SC	26-6191.SC	26-6192.SC	26-6193.SC	26-6194.SC	26-6195.SC	26-6196.SC

curved

26-6200	26-6201	26-6202	26-6203	26-6204	26-6205	26-6206
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm	31 cm
26-6200.SC	26-6201.SC	26-6202.SC	26-6203.SC	26-6204.SC	26-6205.SC	26-6206.SC

Metzenbaum Fino (delicate)

straight

26-6208	26-6210	26-6211	26-6212	26-6213	26-6214
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm
26-6208.SC	26-6210.SC	26-6211.SC	26-6212.SC	26-6213.SC	26-6214.SC

curved

26-6209	26-6215	26-6216	26-6217	26-6218	26-6219
14 cm	18 cm	20 cm	23 cm	25 cm	28 cm
26-6209.SC	26-6215.SC	26-6216.SC	26-6217.SC	26-6218.SC	26-6219.SC

Metzenbaum Fino (pointed tip)

straight

26-6230	26-6231	26-6232	26-6235	26-6236	26-6237
18 cm/7"	20 cm/8"	23 cm/9"	18 cm/7"	20 cm/8"	23 cm/9"
26-6230.SC	26-6231.SC	26-6232.SC	26-6235.SC	26-6236.SC	26-6237.SC

curved

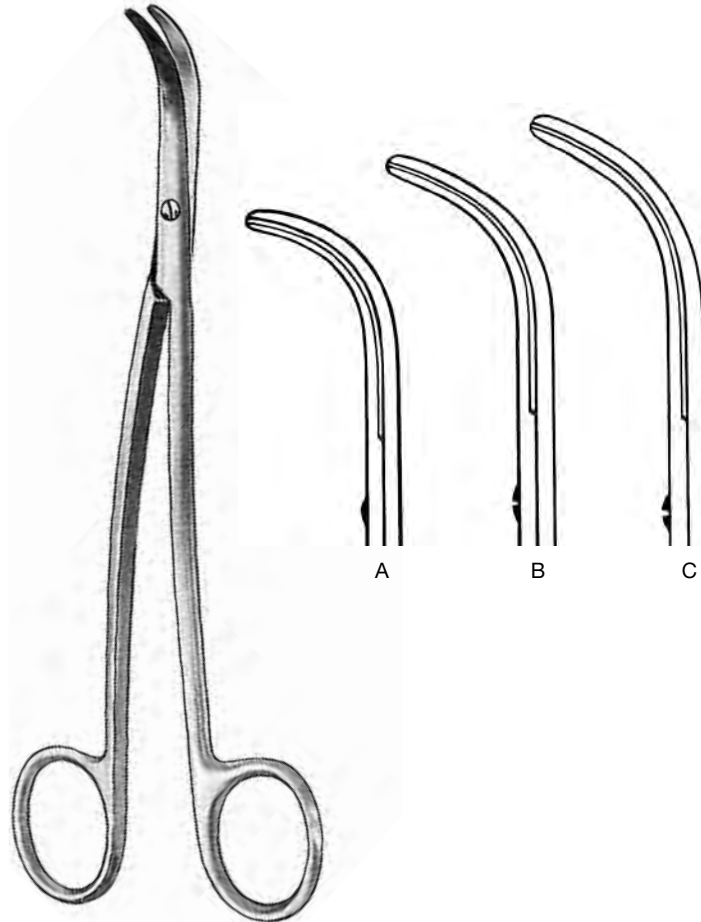
Metzenbaum Fino "S"

S-curved

26-6225	26-6226	26-6227	26-6228	26-6229
18 cm/7"	20 cm/8"	23 cm/9"	25 cm/10"	28 cm/11"
26-6225.SC	26-6226.SC	26-6227.SC	26-6228.SC	26-6229.SC



Hohenfellner



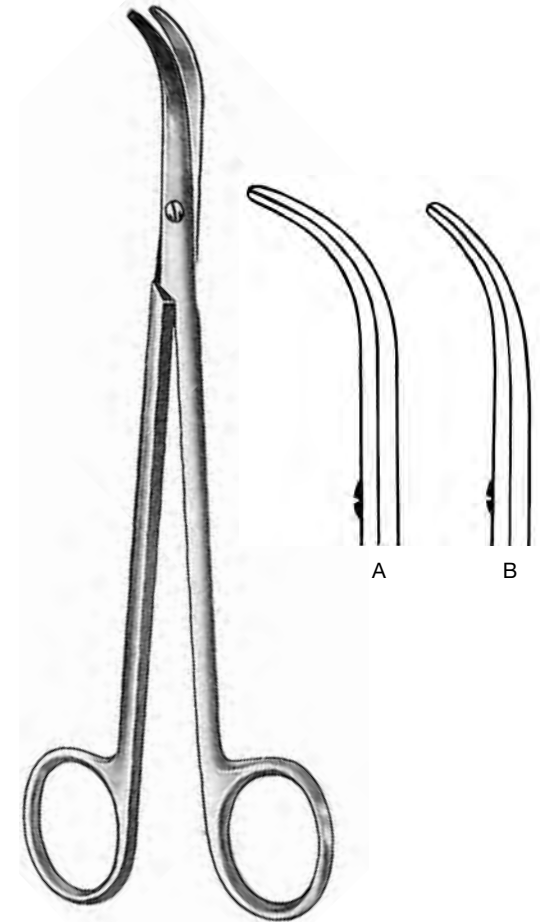
Hohenfellner

Art.-No.	Fig.	Length
26-2510	A	18 cm/7"
26-2515	B	21 cm/8¼"
26-2520	C	24 cm/9½"

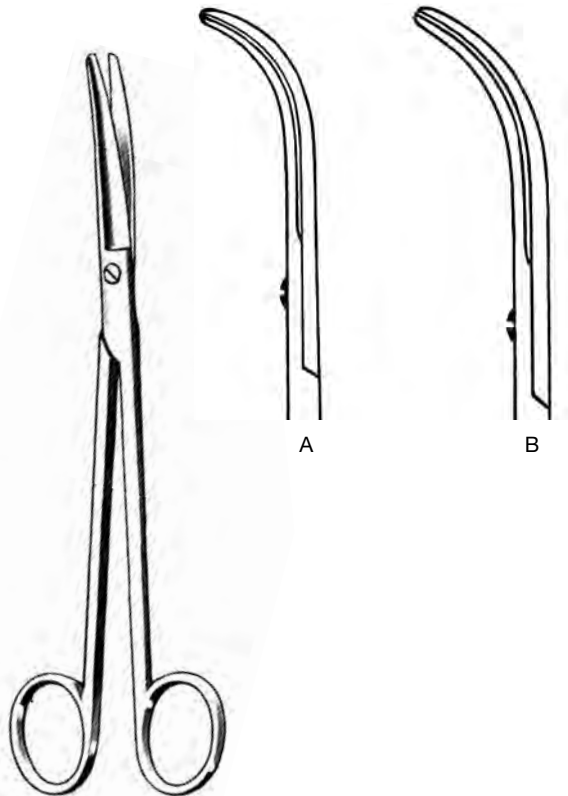
DeBakey

Art.-No.	Fig.	Length
26-2530	A	20 cm/8"
26-2535	B	17.5 cm/6½"

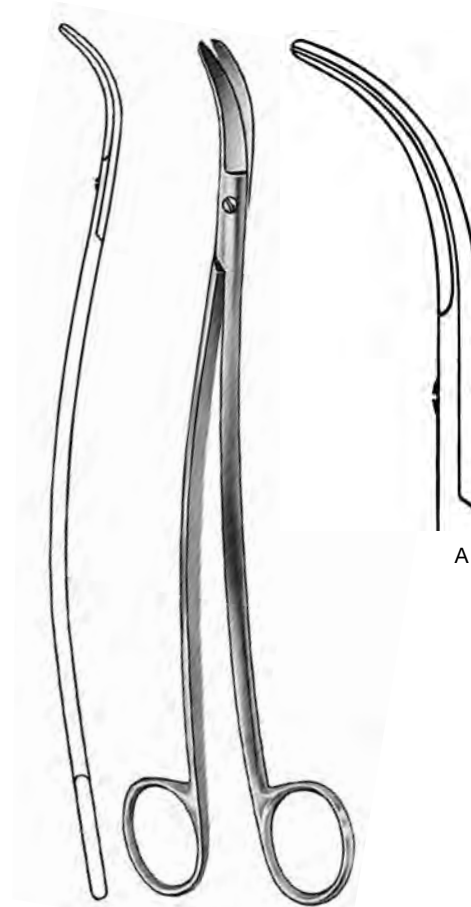
DeBakey



Thorek



Satinsky

**Thorek**

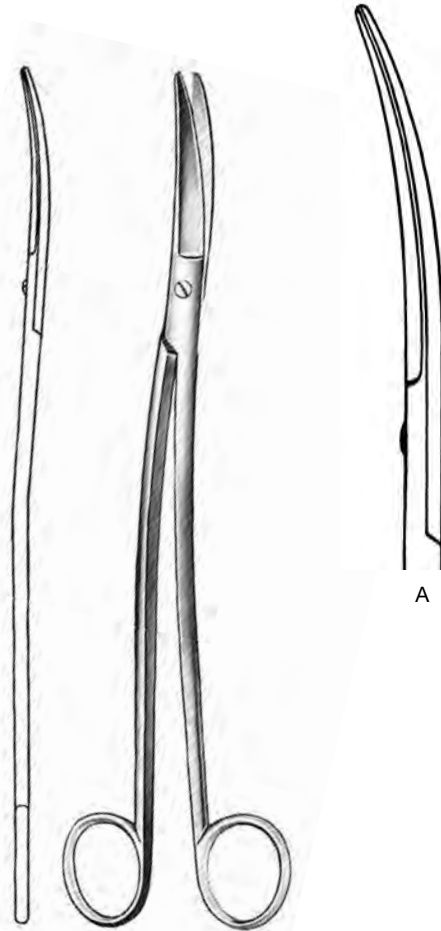
Art.-No.	Fig.	Length
26-2540	A	19 cm/7½"
26-2542	B	25 cm/10"

Laine-Kindal

Art.-No.	Fig.	Length
26-2525	A	24.5 cm/9½"



Klingenberg-Loth

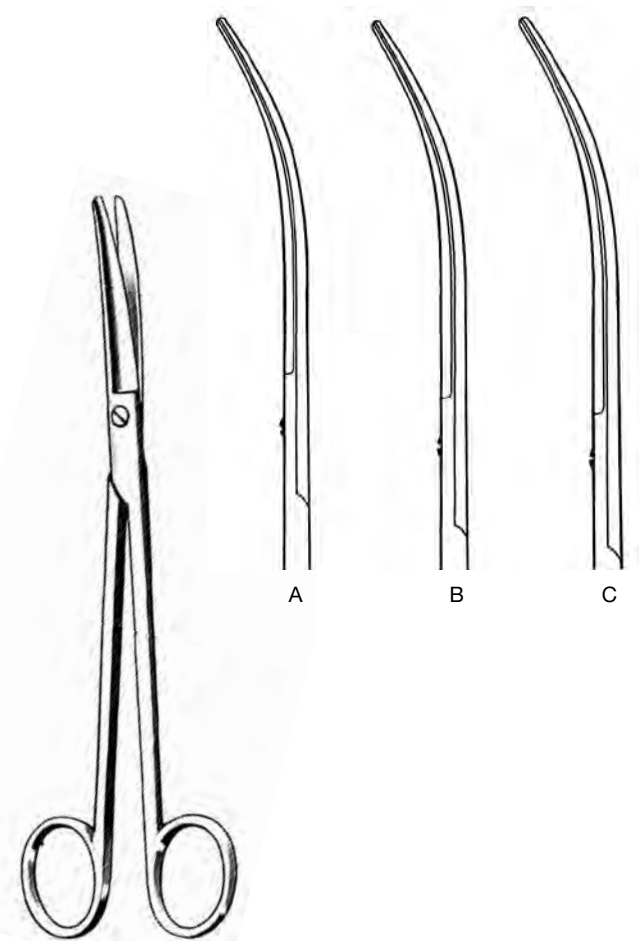
**Klingenberg-Loth**

Art.-No.	Fig.	Length
26-2527	A	23 cm/9"

Wertheim

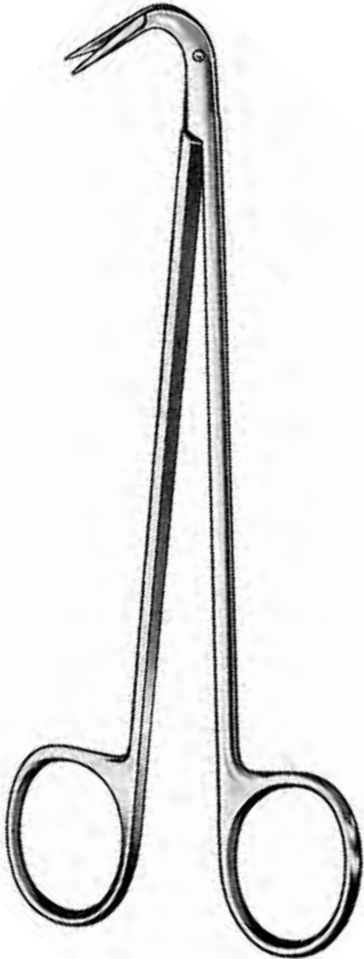
Art.-No.	Fig.	Length
26-2550	A	14.5 cm/5½"
26-2552	B	19.5 cm/7½"
26-2554	C	22.5 cm/8½"

Wertheim



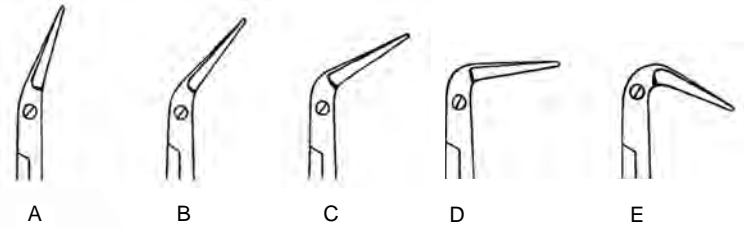
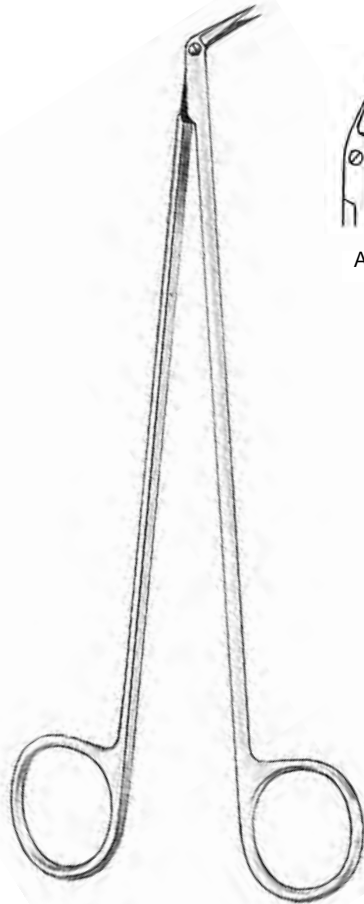
Beall

Swan Neck Scissors



Diethrich-Hegemann

Coronary Scissors with
extra delicate micro tips



Beall

Swan Neck Scissors

Art.-No.	Length
26-4090	sharp 14.5 cm/5½"

Diethrich-Hegemann

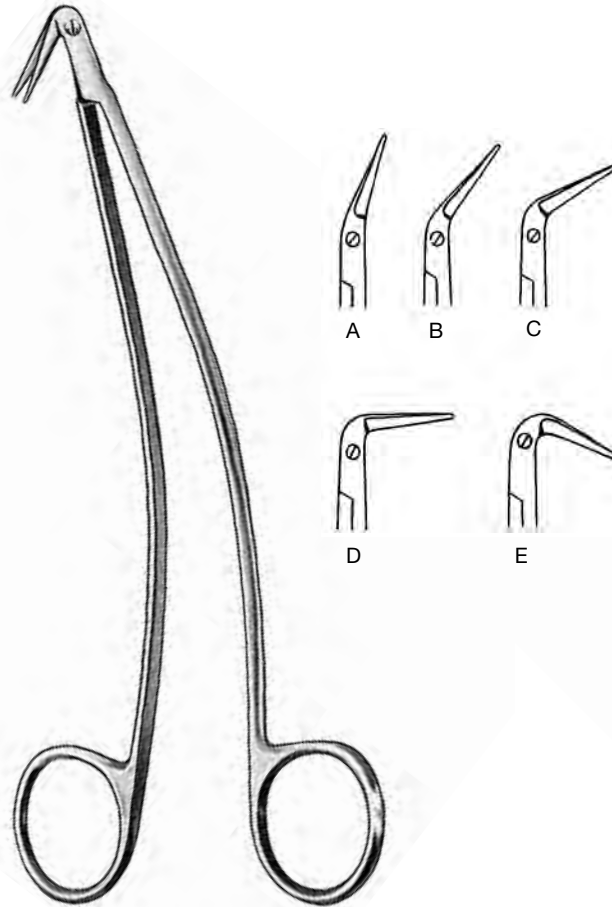
Coronary Scissors

with extra delicate micro tips

Fig.	Length	★	Art.-No. regular	Art.-No. nano blades
A	180 cm/7"	25°	26-4100 26-4100.SC	26-4300 26-4300.SC
B	180 cm/7"	45°	26-4102 26-4102.SC	26-4302 26-4302.SC
C	180 cm/7"	60°	26-4104 26-4104.SC	26-4304 26-4304.SC
D	180 cm/7"	90°	26-4106 26-4106.SC	26-4306 26-4306.SC
E	180 cm/7"	125°	26-4108 26-4108.SC	26-4308 26-4308.SC
with bar				
E	180 cm/7"	125°	26-4110	26-4110.SC

Favaloro

Coronary Scissors



Favaloro Coronary Scissors

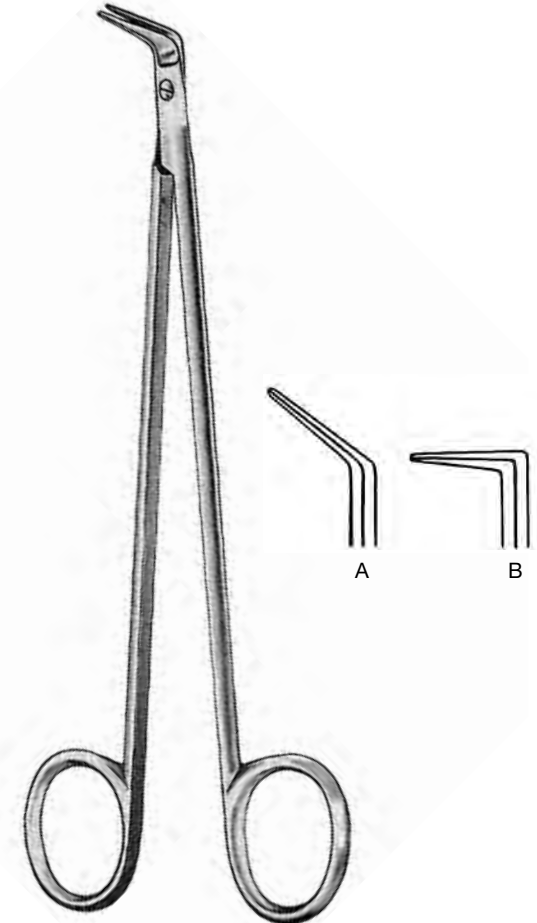
Art.-No.	Fig.	∠	Length
26-4101	A	25°	180 cm/7''
26-4103	B	45°	180 cm/7''
26-4105	C	60°	180 cm/7''
26-4107	D	90°	180 cm/7''
26-4109	E	125°	180 cm/7''

De Martel Vessel and Valve Scissors

Art.-No.	Fig.	∠	Length
sharp			
26-4020	A	50°	180 cm/7''
26-4025	B	90°	170 cm/6½''
blunt			
26-4021	A	50°	180 cm/7''
26-4026	B	90°	170 cm/6½''

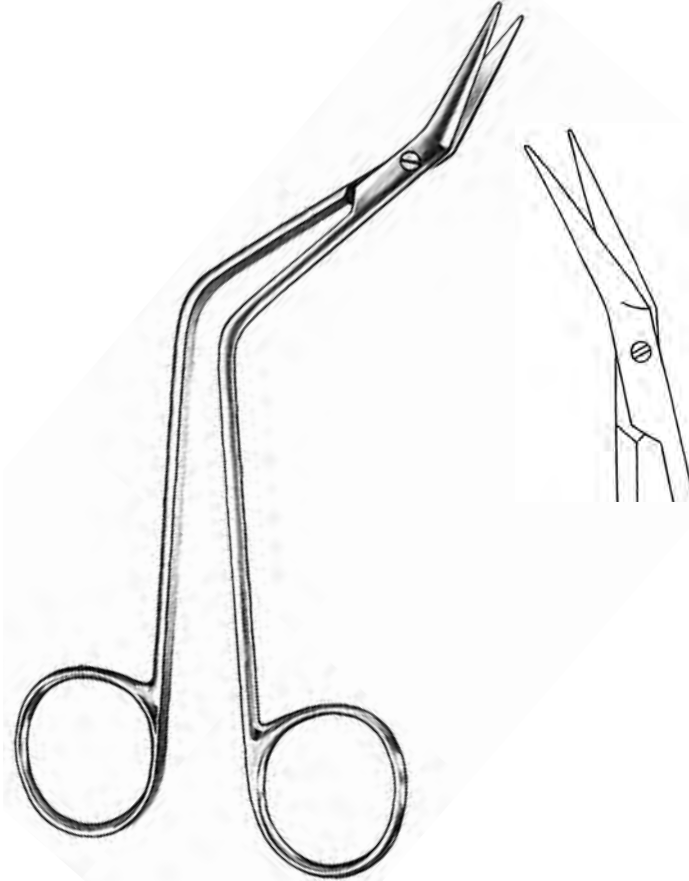
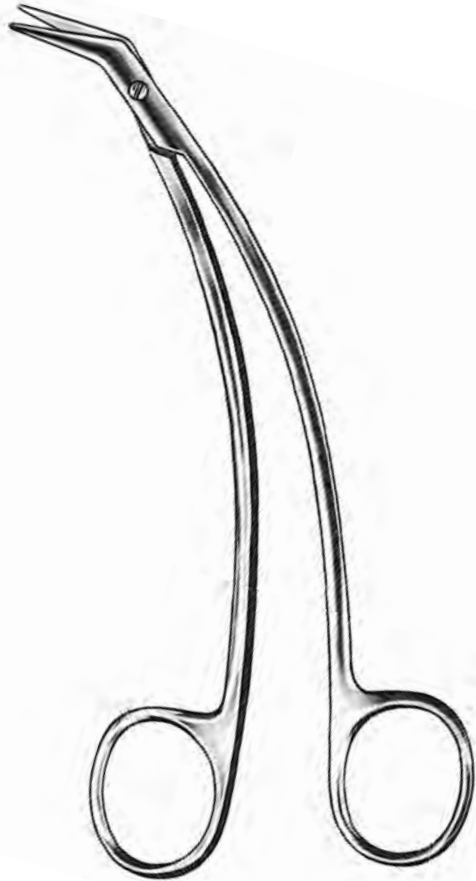
De Martel

Vessel and Valve Scissors



Favaloro

DeBakey "S"

**Favaloro**

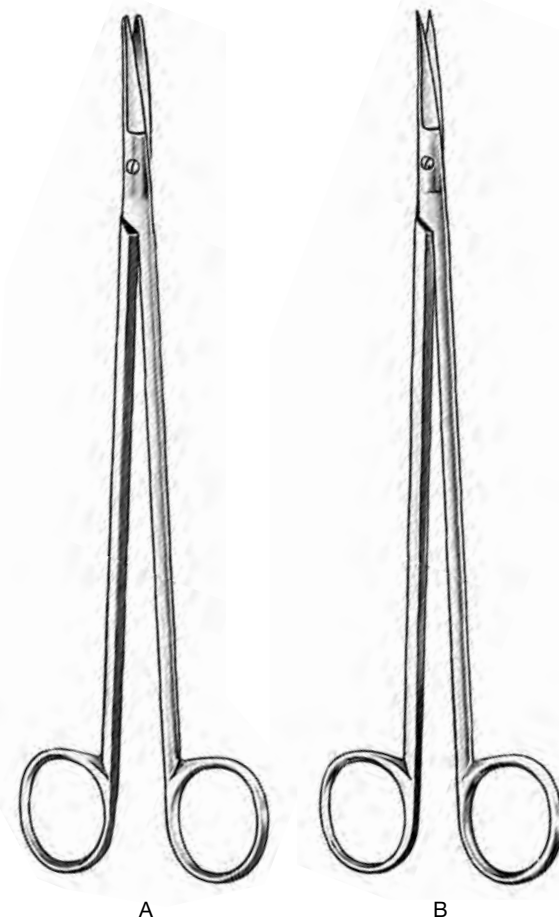
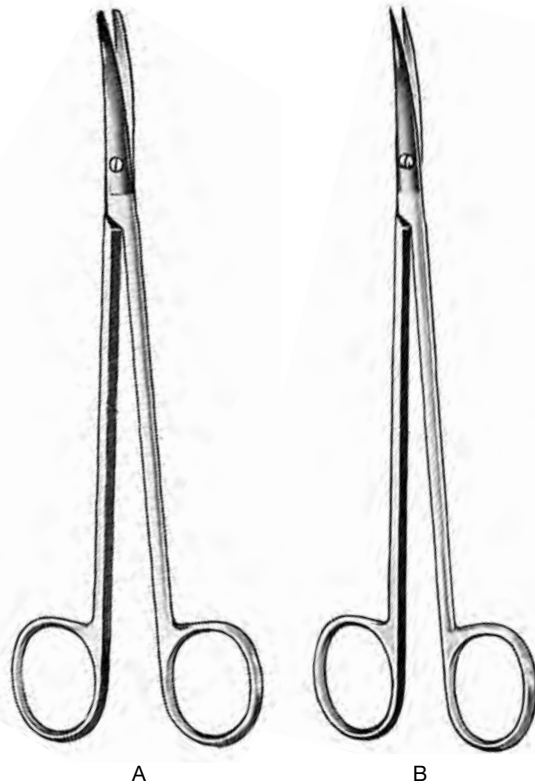
Art.-No.	✂	Length
26-4135	60°	17 cm/6½"

DeBakey "S"

Art.-No.	✂	Length
26-4132	45°	16 cm/6¼"

Lillehei-Potts

Laine-Kindal

**Lillehei-Potts**

Art.-No.	Fig.	Length
26-4060	A	18 cm/7"
26-4062	B	18 cm/7"

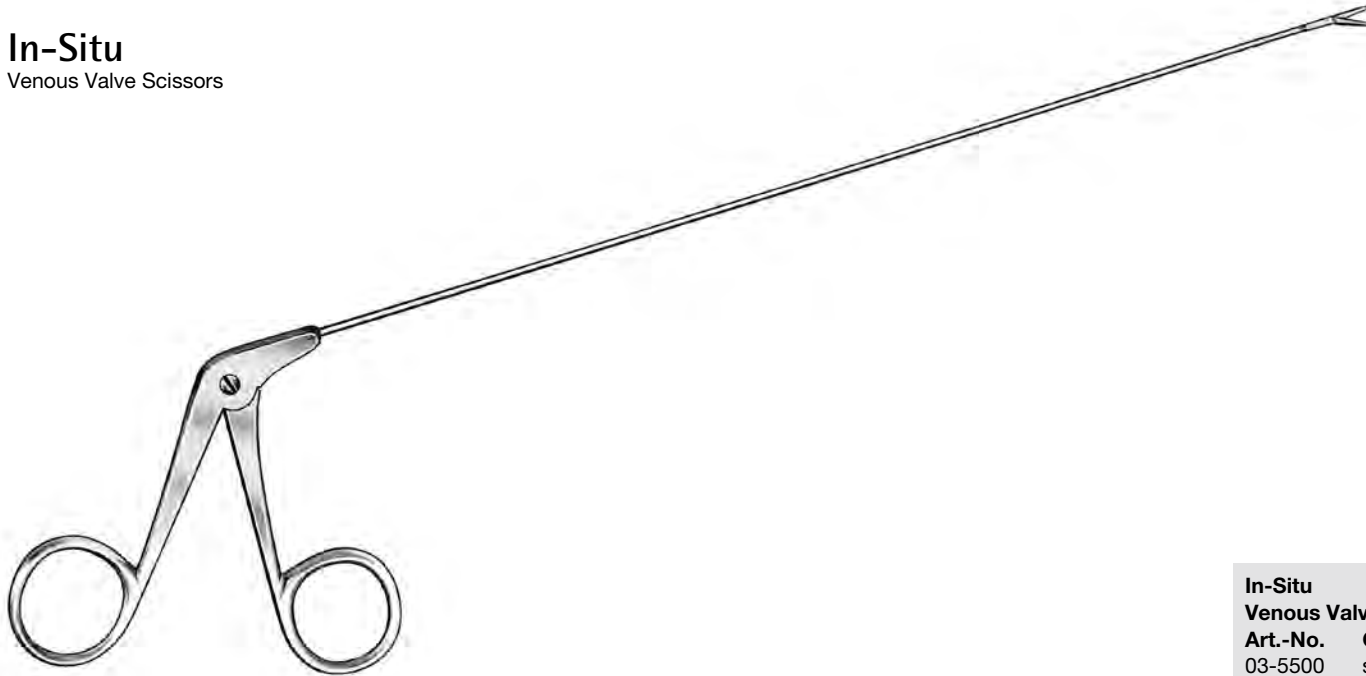
Laine-Kindal

Art.-No.	Fig.	Length
26-4074	A	18 cm/7"
26-4075	A	21 cm/8¼"
26-4076	B	18 cm/7"
26-4077	B	21 cm/8¼"



In-Situ

Venous Valve Scissors



Valvulotome

with ball tip



In-Situ

Venous Valve Scissors

Art.-No.	Curvature	Length
03-5500	straight	10 cm/4"
03-5505	straight	23 cm/9"
03-5509	straight	30 cm/12"
03-5510	for left thigh	30 cm/12"
03-5515	for right thigh	30 cm/12"

Valvulotome with ball tip

Retrograde

Art.-No.	Length
03-7500	30.5 cm/12"
03-7505	25 cm/10"
03-7510	23 cm/9"

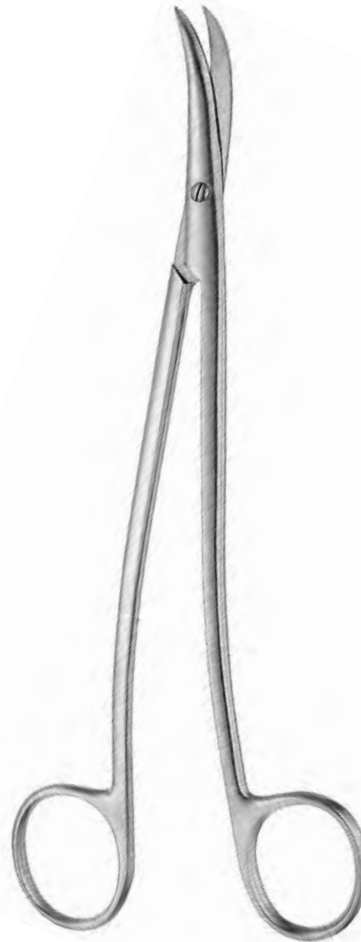
Antegrade

Art.-No.	Length
03-7520	16 cm/6½"

Gregory
Arteriotomy Scissors



Gregory
Vertebral Scissors



Gregory
Dissecting Scissors

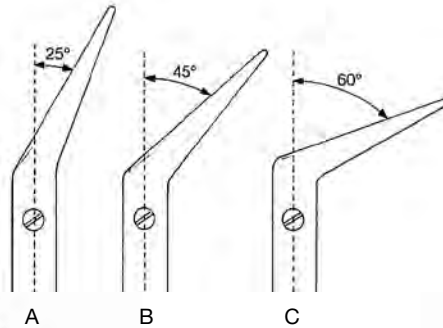
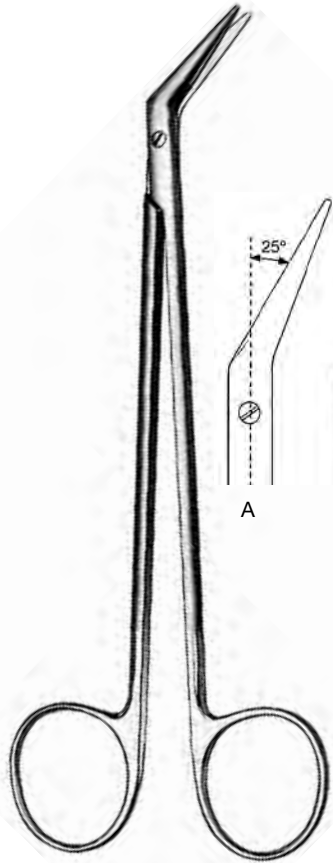


Gregory
Arteriotomy Scissors
Art.-No. 26-4149 45° Length 13 cm/5"

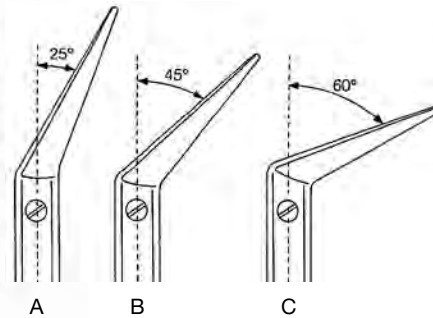
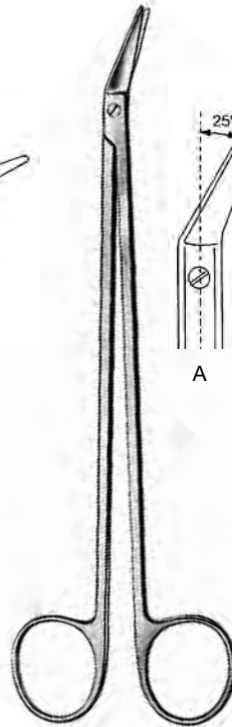
Gregory
Vertebral Scissors
Art.-No. 26-4150 Length 16 cm/6¼"

Gregory
Dissecting Scissors
Art.-No. 26-4148 Length 14.5 cm/5¾"

DeBakey



Potts-Smith

**DeBakey**

Art.-No.	Fig.	∠	Length
26-4175	A	25°	17 cm/6½"
26-4180	A	25°	23 cm/9"
26-4185	A	25°	28 cm/11"
26-4176	B	45°	17 cm/6½"
26-4182	B	45°	23 cm/9"
26-4186	B	45°	28 cm/11"
26-4177	C	60°	17 cm/6½"
26-4184	C	60°	23 cm/9"
26-4187	C	60°	28 cm/11"

Potts-Smith

Art.-No.	Fig.	∠	Length
26-4160	A	25°	14 cm/5½"
26-4120	A	25°	19 cm/7½"
26-4122	B	45°	19 cm/7½"
26-4124	C	60°	19 cm/7½"
with ball			
26-4126	C	60°	19 cm/7½"

GEISTER®

Potts



■ SC = Super Cut

Potts

26-4082
18.5 cm/7"

Kelly

straight

26-6720
16 cm/6¼"
26-6720.SC

26-6725
18 cm/7"
26-6725.SC

curved

26-6721
16 cm/6¼"
26-6721.SC

26-6726
18 cm/7"
26-6726.SC

Joseph

straight

26-6700
15 cm/6"
26-6700.SC

curved

26-6701
15 cm/6"
26-6701.SC

Iris

straight

26-6690
12.5 cm/4½"
26-6688
11.5 cm/4¼"
26-6688.SC

curved

26-6691
12.5 cm/4½"
26-6689
11.5 cm/4¼"
26-6689.SC

angular

26-6692
12.5 cm/4½"

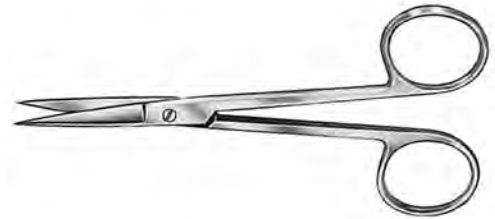
26-6686
10.5 cm/4"

26-6687
10.5 cm/4"

26-6684
9.5 cm/3½"

26-6685
9.5 cm/3½"

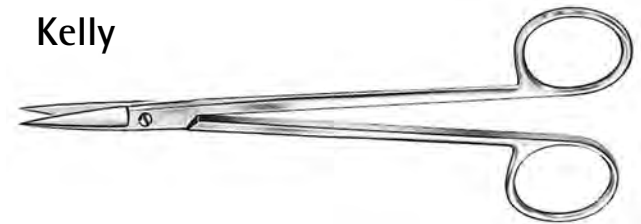
Iris



Joseph



Kelly





Lexer-Baby



Stevens

■ SC = Super Cut

Lexer-Baby

straight	curved
26-6155	26-6156
10.5 cm/4"	10.5 cm/4"

Stevens

blunt	
straight	curved
26-6160	26-6161
11 cm/4¼"	11 cm/4¼"
26-6160.SC	26-6161.SC

pointed

straight	curved
26-6162	26-6163
11 cm/4¼"	11 cm/4¼"
26-6162.SC	26-6163.SC



Dissecting Scissors

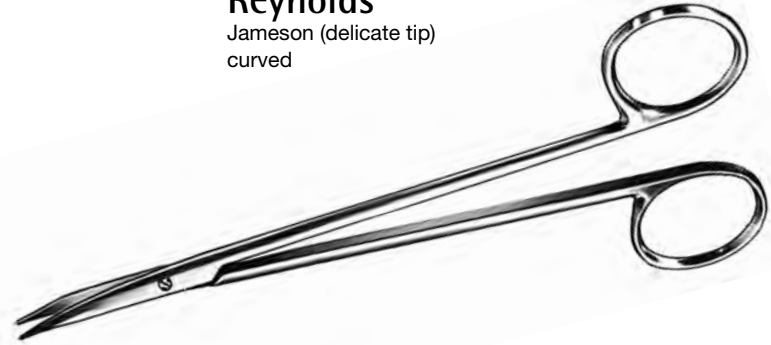
Ragnell-Kilner

curved



Reynolds

Jameson (delicate tip)
curved



■ SC = Super Cut

Reynolds, curved regular tip

26-6250	26-6252	26-6254	26-6256	26-6258	26-6239	26-6255
13.5 cm	15 cm	18 cm	20 cm	23 cm	15 cm	18 cm
26-6250.SC	26-6252 .SC	26-6254 .SC	26-6256 .SC	26-6258 .SC	26-6239 .SC	26-6255.SC

Jameson, curved

delicate tip

Ragnell-Kilner, curved

26-6170	26-6172	26-6174	26-6176
12.5 cm	15 cm	18 cm	20 cm
26-6170.SC	26-6172.SC	26-6174.SC	26-6176.SC

Standard, straight

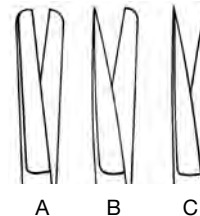
	10.5 cm	11.5 cm	13.0 cm	14.5 cm	15.5 cm	16.5 cm	17.5 cm	18.5 cm	20.0 cm
A	26-6020	26-6022	26-6024	26-6026	26-6028	26-6030	26-6032	26-6034	26-6036
B	26-6040	26-6042	26-6044	26-6046	26-6048	26-6050	26-6052	26-6054	26-6056
C	26-6060	26-6062	26-6064	26-6066	26-6068	26-6070	26-6072	26-6074	26-6076

Standard, curved

	10.5 cm	11.5 cm	13.0 cm	14.5 cm	15.5 cm	16.5 cm	17.5 cm	18.5 cm	20.0 cm
A	26-6021	26-6023	26-6025	26-6027	26-6029	26-6031	26-6033	26-6035	26-6037
B	26-6041	26-6043	26-6045	26-6047	26-6049	26-6051	26-6053	26-6055	26-6057
C	26-6061	26-6063	26-6065	26-6067	26-6069	26-6071	26-6073	26-6075	26-6077

Standard

straight, curved



Mayo



■ SC = Super Cut

Mayo

straight

26-6100	26-6102	26-6104	26-6106	26-6108
14.5 cm	15.5 cm	17 cm	21 cm	23 cm
26-6100.SC	26-6102.SC	26-6104.SC	26-6106.SC	26-6108.SC

curved

26-6110	26-6112	26-6114	26-6116	26-6118
14.5 cm	15.5 cm	17 cm	21 cm	23 cm
26-6110.SC	26-6112.SC	26-6114.SC	26-6116.SC	26-6118.SC



Mayo-Harrington

Mc Indoe (UK)

Mayo-Lexer

Lexer-Fino



■ SC = Super Cut

Mayo-Harrington

straight	curved
26-6120	26-6121
22.5 cm/8¾"	22.5 cm/8¾"
26-6120.SC	26-6121.SC
26-6122	26-6123
28 cm/11"	28 cm/11"
26-6122.SC	26-6123.SC

Mc Indoe (UK)

26-6301
18 cm/7"
26-6301.SC

Mayo-Lexer

straight	curved
26-6140	26-6141
16 cm/6¼"	16 cm/6¼"
26-6140.SC	26-6141.SC
26-6142	26-6143
21 cm/8¼"	21 cm/8¼"

Lexer-Fino

delicate	curved
straight	
26-6150	26-6151
16 cm/6¼"	16 cm/6¼"
26-6150.SC	26-6151.SC

Mayo-Stillle



■ SC = Super Cut

Mayo-Stillle straight

26-6130	26-6132
15 cm/6"	17 cm/6½"
26-6130.SC	26-6132.SC

curved

26-6131	26-6133
15 cm/6"	17 cm/6½"
26-6131.SC	26-6133.SC

■ SC = Super Cut

**Spencer
Ligature Scissors**

26-6760

9 cm/3½"

26-6762

10.5 cm/4"

26-6764

12.5 cm/4½"

**Littauer
Ligature Scissors**

26-6750

14 cm/5½"

**Lister
Bandage Scissors**

26-4970 26-4971

9 cm/3½" 11 cm/4½"

26-4970.SC 26-4971.SC

26-4972 26-4974

14 cm/5½" 18 cm/7"

26-4972.SC 26-4974.SC

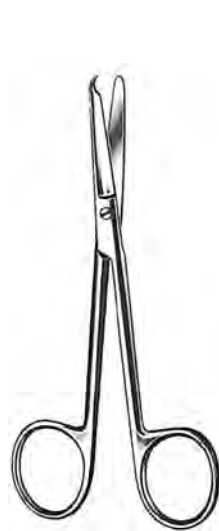
26-4975 26-6936

20 cm/8" 13.5 cm/5"

26-4975.SC

26-6937

16 cm/6¼"



Spencer
Ligature Scissors

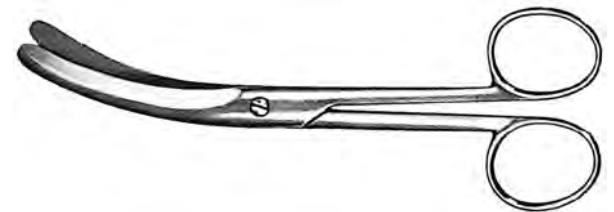


Littauer
Ligature Scissors

Lister
Bandage Scissors



Umbilical Cord Scissors





Sims Gyn.

Doyen
Abdominal Scissors

Braun-Stadler

■ SC = Super Cut

Sims Gyn.

straight	curved
26-6880	26-6881
20 cm/8"	20 cm/8"
26-6883	26-6884
23 cm/9"	23 cm/9"

Doyen

Abdominal Scissors

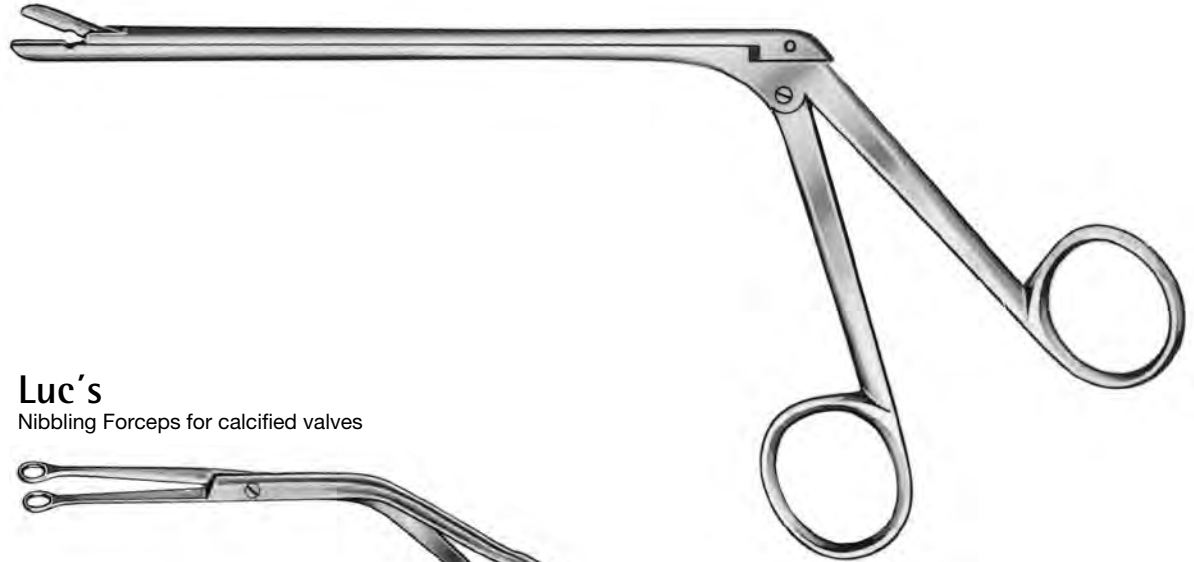
straight	curved
26-6908	26-6909
16 cm/6¼"	16 cm/6¼"
26-6910	26-6911
18 cm/7"	18 cm/7"
26-6910.SC	26-6911.SC

Braun-Stadler

26-6900	26-6901
14 cm/5½"	22 cm/8½"
	26-6901.SC

Bailey

Aortic-Valve Rongeurs



Luc's

Nibbling Forceps for calcified valves



Bailey

Aortic-Valve Rongeurs

Art.-No.	☞	Length
40-2600	straight 3mm	12 cm/4¾"
40-2602	25° down 3mm	12 cm/4¾"
40-2604	70° down 3mm	12 cm/4¾"
40-2606	90° down 3mm	12 cm/4¾"
40-2608	45° left 3mm	12 cm/4¾"
40-2610	45° right 3mm	12 cm/4¾"

Luc's

Nibbling Forceps for calcified valves

Art.-No.	Length
40-8010	19 cm/7½"

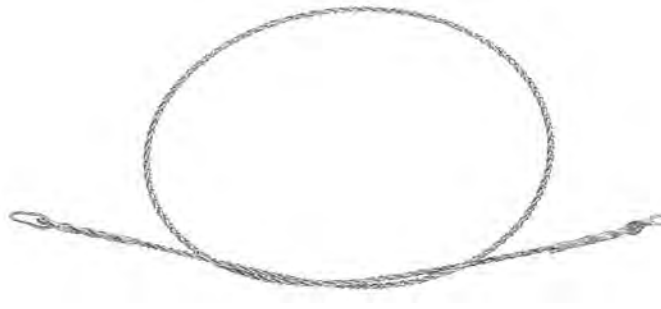
Gigli

Wire Saw Handle



Gigli

Wire Saw



Gigli

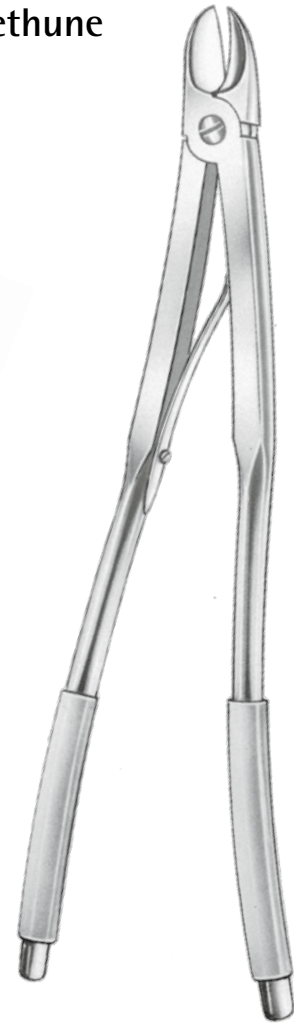
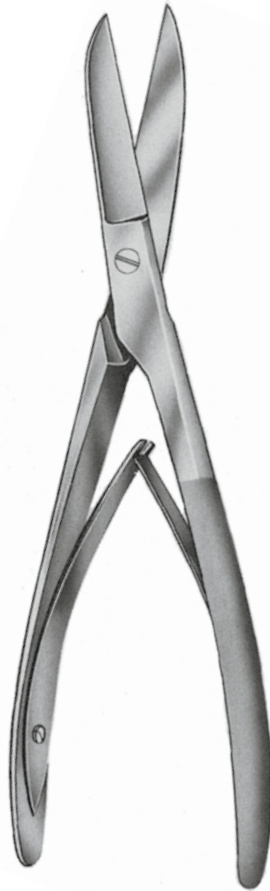
Introducer Guide



Gigli
Wire Saw Handle
Art.-No.
 26-9109

Gigli Wire Saw Art.-No.	Length
26-9110	30 cm/12"
26-9111	40 cm/16"
26-9112	50 cm/20"
26-9113	60 cm/24"
26-9114	70 cm/28"

Gigli
Introducer Guide
Art.-No.
 26-9105

Bethune

Art.-No.	Length
26-6920	23 cm/9"
26-6925	23 cm/9"

Bethune	Length
Art.-No. 40-0235	35 cm/14"

Coryllos-Bethune



Coryllos-Bethune

**Coryllos-Bethune**

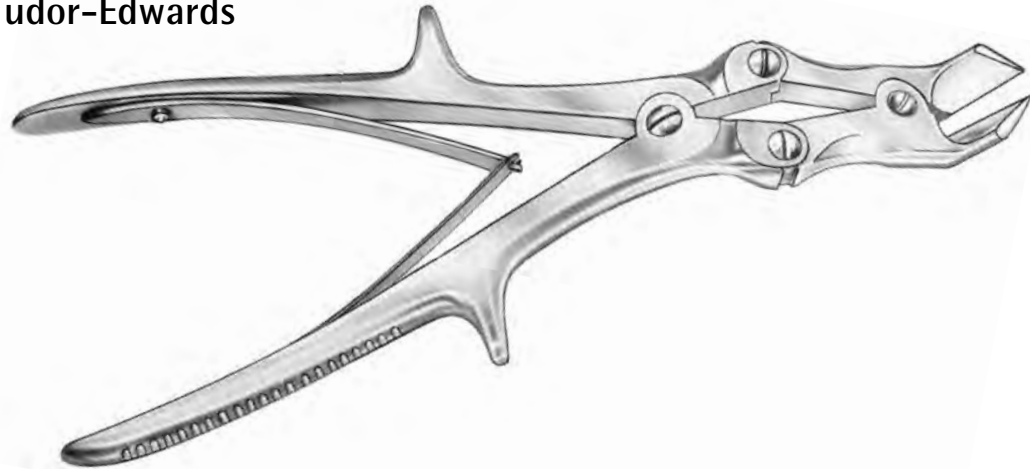
Art.-No.	Length
40-0240	36 cm/14"

Right protected jaws

Coryllos-Bethune

Art.-No.	Length
40-0241	36 cm/14"

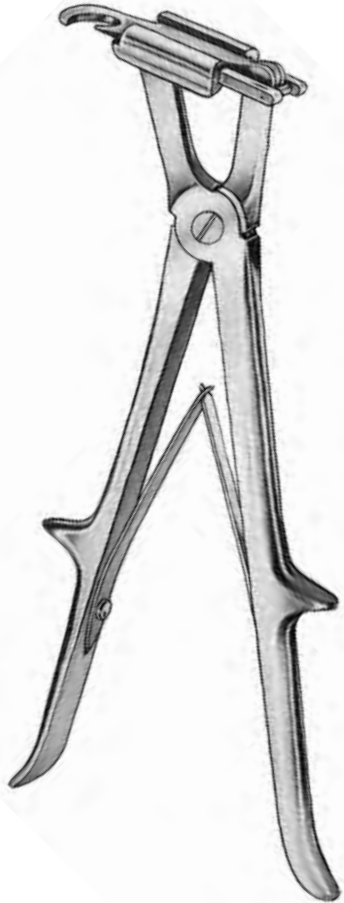
Left protected jaws

Tudor-Edwards**Costotome****Tudor-Edwards****S-curved**

Art.-No.	Length
40-0232	26 cm/10¼"

Costotome

Art.-No.	Length
40-0283	24 cm/9½"

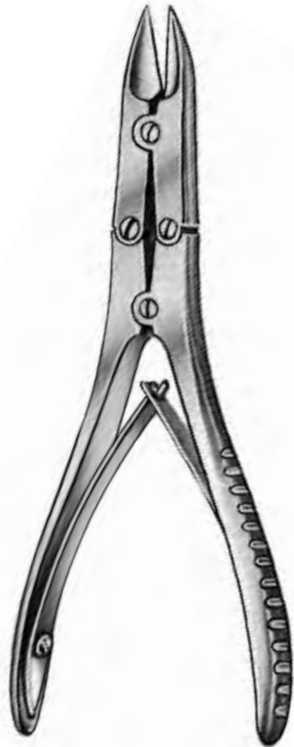
Sauerbruch**Giertz-Stille****Sauerbruch**

Art.-No.	Length
40-0282	26 cm/10¼"

Grietz-Stille

Art.-No.	Length
40-0285	27 cm/10½"

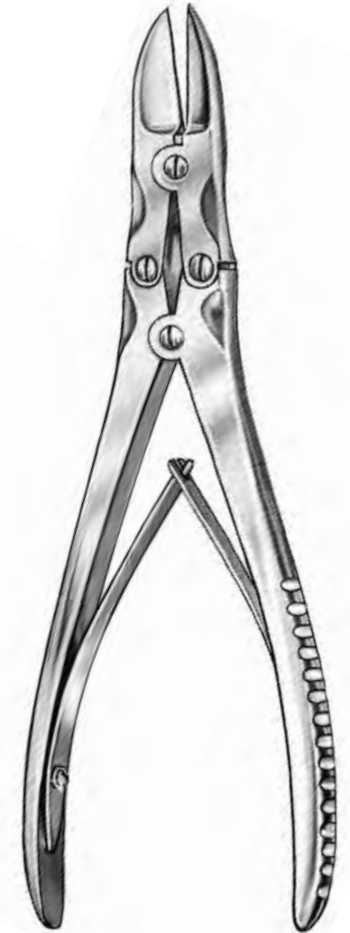
Boehler



Mc Indoe



Ruskin-Liston


Boehler
straight

15 cm 40-0200

curved

15 cm 40-0201

Mc Indoe

18 cm 40-0205

Ruskin-Liston
straight

19 cm 40-0210

curved

19 cm 40-0211

Boehler

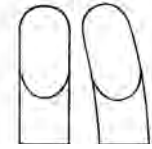


Luer-Stille



A

B



C

D

Boehler

		A	B
15 cm	2 mm	40-0098	40-0099
15 cm	3 mm	40-0100	40-0101
15 cm	4 mm	40-0102	40-0103

Luer-Stille

		C	D
22 cm	10 mm	40-0150	40-0151

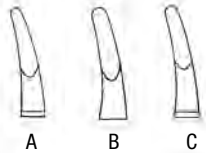
Beyer



Ruskin



Marquardt

**Beyer****A**

18 cm 3 mm 40-0104

18 cm 4 mm 40-0105

Ruskin**B**

19 cm 4 mm 40-0115

19 cm 5 mm 40-0116

19 cm 6 mm 40-0117

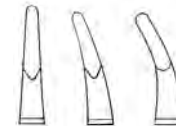
Marquardt**C**

20 cm 3 mm 40-0190

Smith-Peterson



Leksell



A

B

C



D, slight bent/strong bent

Smith-Peterson

		A	B	C
19 cm	3 mm	40-0180	40-0181	40-0182
23 cm	3 mm	40-0185	40-0186	40-0187
23 cm	4 mm	40-0185.40	40-0186.40	40-0187.40

Leksell

D		slight bent	strong bent
23 cm	3 mm	40-0124	
23 cm	5 mm	40-0126	40-0128
23 cm	8 mm	40-0125	40-0127

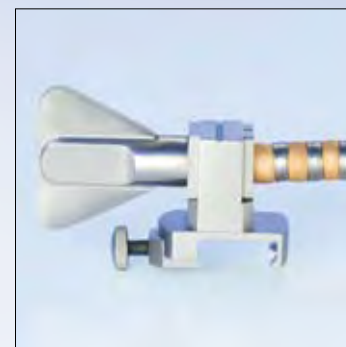


Flexible Arm for beating heart and valve surgery

- strong reusable design
- superior positioning and articulation
- attachable to any sternal retractor system
- special interlock-joints for ultimate strength
- maximum versatility with interchangeable optional attachments for stabilization, manipulation or retraction
- ball-joint connection of attachments provides additional degrees of freedom
- partially detachable for ease of cleaning



29-1485 Flexible Arm 24 cm



29-1486 Flexible Arm 24 cm with Sliding Carrier for CardioFrame™



Open the thumb screw of the flexible arm so far, that you can slide the foot attachment into the connector.



Pull back the last link and insert the foot attachment. It is helpful to press the thumb between the connector on the stabilizer and the last link.



Release the last link and adjust the position of the foot attachment.



Tighten the thumb screw so far, until the arm has a slight tension, and maintains the predetermined position.



Attach the arm to the selected retractor body.



Bring the arm into the desired position and tighten the thumb screw.



Once you have reached the desired position tighten the thumb screw further.



You can move the already tightened arm and readjust its working position. But the tension of the arm will slightly decrease.



Therefore the thumb screw must be tightened again slightly more after doing this.



Flexible Arm for Valve Surgery



29-1432V

29-1431V

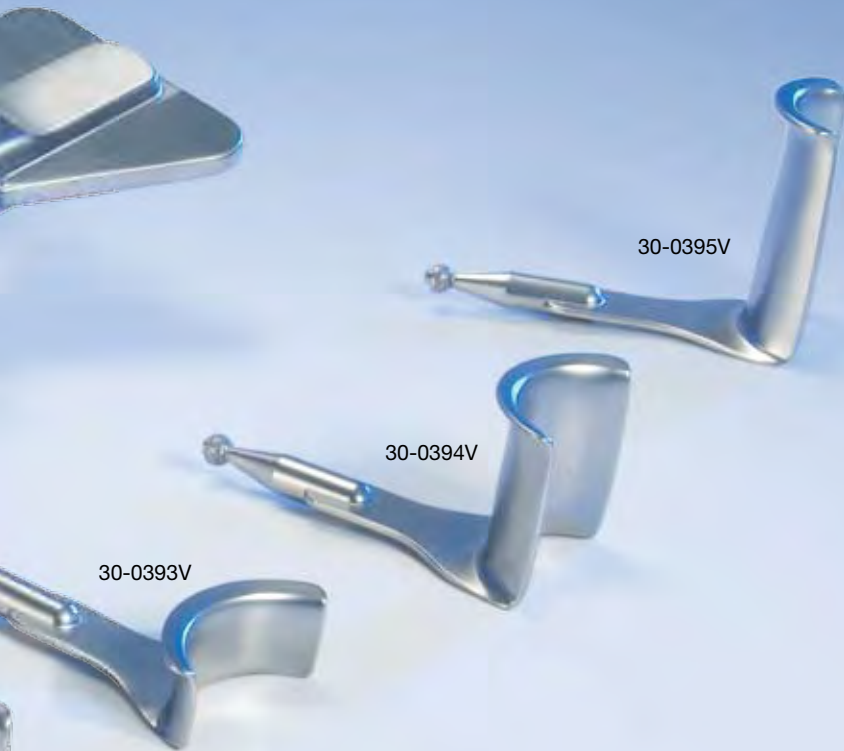
29-1485

29-1430V

30-0391V

30-0390V

30-0392V



Flexible Arm for valve surgery

- provides maximum surgical exposure in aortic and mitral valve procedures
- multiple sizes available
- excellent stability

29-1485 Flexible Arm 24 cm (without foot)

Valve Retracting and Manipulating Feet

29-1430V	Cooley Atrial Rake Blade small 20 mm
29-1431V	Cooley Atrial Rake Blade medium 35 mm
29-1432V	Cooley Atrial Rake Blade large 45 mm
30-0390V	Ross Aortic Hook Fig.1 Blade 16 x 15 mm
30-0391V	Ross Aortic Hook Fig. 2 Blade 23 x 13 mm
30-0392V	Ross Aortic Hook Fig. 3 Blade 24 x 16 mm
30-0393V	Ross Aortic Hook Fig. 4 Blade 27 x 13 mm
30-0394V	Ross Aortic Hook Fig. 5 Blade 27 x 27 mm
30-0395V	Ross Aortic Hook Fig. 6 Blade 25 x 39 mm



29-1433RD

29-1428V

29-1485

29-1464E

29-1466E

29-1434V

29-1465

29-1433V

29-1441V

29-1443V

29-1444V



29-1486

29-1463M

29-1463V

Flexible Arm for beating heart surgery

- reusable platform, disposable foots optional
- multiple foot designs available
- excellent stability

Flexible Arm

29-1485	Flexible Arm 24 cm (without foot)
29-1486	Flexible Arm 24 cm (without 29-1428 and 29-1433) for Cardioframe
29-1428V	Fixation Clamp 6 mm with connector for Flexible Arm
29-1433RD	Bar 6 mm, (alone) for Extension Rod for Foots, 6 mm

Stabilizing Foots

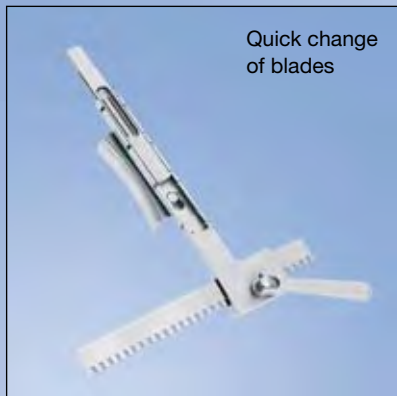
29-1433V	Massetti Stabilizer Foot, curved, with snare holders
29-1434V	Massetti Stabilizer Foot, flat, with snare holders
29-1441V	Riess Stabilizer Foot, extra flat, with snare holders
29-1443V	Satoh II Suction Stabilizer Foot, with snare holders
29-1444V	Lectiang Compact Suction Stabilizer Foot with suction
29-1463M	Tulip Suction Stabilizer Foot Holder 17.5 mm wide (without inserts, can be used in opened or close position)
29-1463V	Tulip Suction Stabilizer Foot Holder 10 mm wide (without inserts, can be used in opened or close position)
29-1464E	Tulip Suction Stabilizer Foot, single use (single pack)
29-1464	Tulip Suction Stabilizer Foot, single use (box of 50)
29-1465	Suction Apex Manipulator Holder
29-1466E	Suction Lip for 29-1465, single use, sterile (single pack)
29-1466	Suction Lip for 29-1465, single use, sterile (box of 50)



CardioFrame™

29-0955

Quick change
of blades





29-0940



29-0955.40



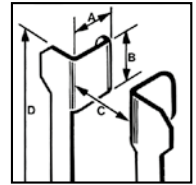
29-0956.40

CARDIOFRAME™

Now with a lower profile and deeper reach than ever! Universal sternum retractor system and operating platform for valve surgery and beating heart surgery.

This low profile operating platform keeps operating area free for surgeon's maneuvers and combines maximum comfort through a unique quick snap-in coupling for accessories with less traumatic tissue handling, stable fixation and excellent exposure. New malleable hooks provide for a deeper reach as well as for versatile adjustment to individual requirements and patient anatomy. Carriers can be moved and fixed to any desired position on arms or spreading bar.

The wide range of GEISTER valve and beating heart accessories can also be used with this platform. The system also accommodates some of the most common disposable arms for beating heart surgery.



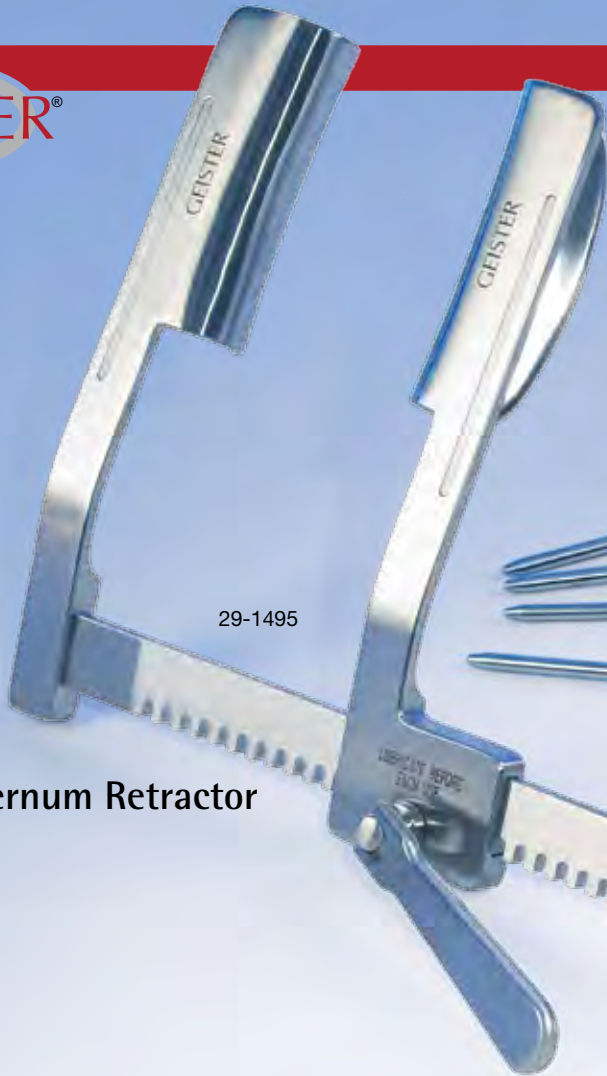
Order information:

CardioFrame™ Retractor, Frame (29-0955.BD) with 2 inserts (29-0955.IN) and 2x Cooley blades 30mm deep (29-0956.30)

Sliding Carrier, snap-in coupling (3 recommended)

		29-0955
		29-0940
4x Morse blades	30mm deep	29-0955.30
	40mm deep	29-0955.40
2x Cooley blades	30mm deep (included in 29-0955)	29-0956.30
	40mm deep	29-0956.40
Cooley Atrial Hook	small 20mm, malleable shaft	29-1430.CF
	medium 35mm, malleable shaft	29-1431.CF
	large 45mm, malleable shaft	29-1432.CF
Valve Hook	small 18x52mm, short 14cm shaft	29-0941
	medium 18x80mm, short 14cm shaft	29-0942
	large 22x80mm, short 14cm shaft	29-0943
Valve Hook	small 18x52mm, long 19cm shaft	29-0941L
	medium 18x80mm, long 19cm shaft	29-0942L
	large 22x80mm, long 19cm shaft	29-0943L
Valve Hook	small 18x52mm, long 19cm curved shaft	29-0944L
	medium 18x80mm, long 19cm curved shaft	29-0945L
	large 22x80mm, long 19cm curved shaft	29-0946L





29-1495

Cooley-Sternum Retractor

Cooley Atrial Retractor
rigid

29-1500.HL



29-1500.HM

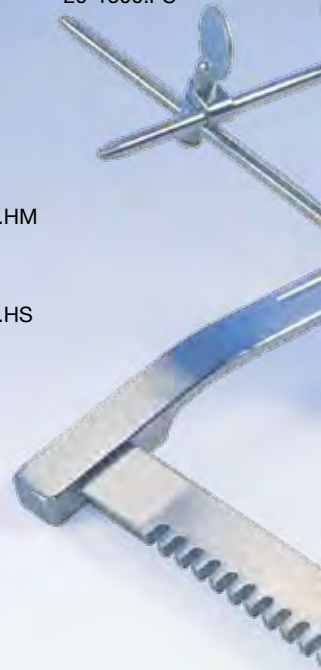
29-1500.HS



29-1500.BH

Malleable Atrial
Retractor/Spatula

Fixation
Clamp
29-1500.FC





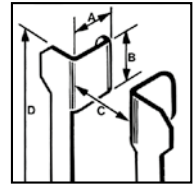
T-bar

29-1005.TS



Cooley Sternum Retractor

Art.-No.	Fig.	A	B	C	D
29-1495	XXL	35 mm	115 mm	230 mm	205 mm
29-1494.RS	XL	35 mm	100 mm	180 mm	180 mm
29-0134.RS	L	30 mm	50 mm	185 mm	145 mm
29-0133.RS	L	30 mm	50 mm	135 mm	145 mm



Cooley Valve Retractor, complete set

complete consisting of 29-1501.US Attachment set and 29-1495 Retractor body

29-1500.US

Valve Retractor, attachment only

for use with multiple types of sternal retractors

(consisting of 29-1005.TS, 2x 29-1500.BH, 2x 29-1500.HS, 1x 29-1500.HM, 1x 29-1500.HL, 2x 29-1500.FC)

29-1501.US

T-bar turnable

70 mm

29-1005.TS

Malleable Atrial Retractor/Spatula

20 mm

29-1500.BH

Cooley Atrial Retractor rigid

20 mm

29-1500.HS

35 mm

29-1500.HM

45 mm

29-1500.HL

Fixation Clamp

29-1500.FC

Recommended optional accessories:

Extention piece

29-1427

(180 mm long) for extending t-bar or creating an L-shaped bar

(extra fixation clamps 29-1500.FC are required)

Cooley Atrial Retractor tricuspid

45 mm

29-1500.HT

Cooley Atrial Retractor malleable

20 mm

29-1430

35 mm

29-1431

45 mm

29-1432

T-bar turnable, low profile

30 mm

29-1005.TL



Speroni

One for All Retractor

29-1000



IMA blade

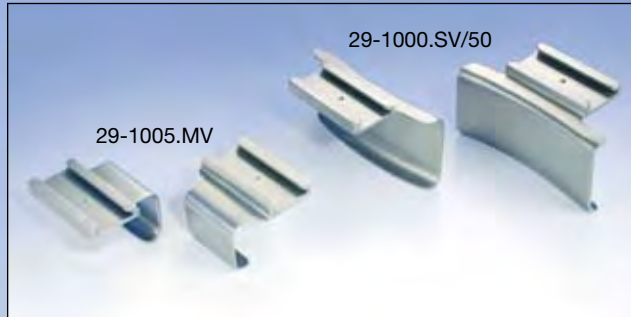


Sternum Blades

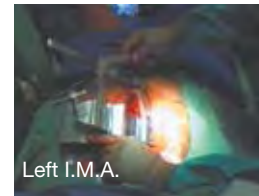
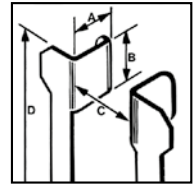
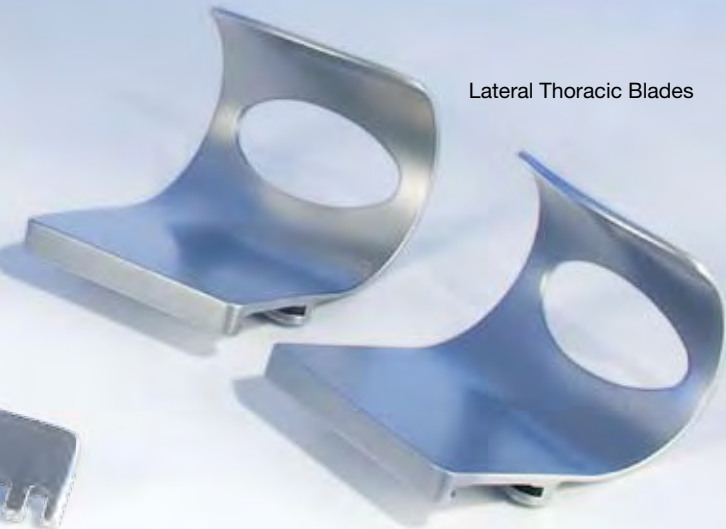


29-1005.IL

29-1005.IM



Lateral Thoracic Blades



Left I.M.A.



Right I.M.A.

**Speroni™ One for All Retractor**

Art.-No.	A	B	C	D
29-1000	40 mm 50 mm	100 mm 60 mm	230 mm	160 mm

Optional blades:

29-1000.SV/30	30 mm	100 mm		
29-1000.SV/50	50 mm	100 mm		
29-1000.SV/60	60 mm	100 mm		
29-1005.MV	35 mm	42 mm		
29-1005.IL	Mini I.M.A. blade, long			
29-1005.IM	Mini I.M.A. blade, short w/teeth			

This universal retractor system perfectly covers all requirements of modern cardiothoracic surgery. It comes with one I.M.A. blade with stabilizing screw – converting it into a stable threepoint I.M.A. retractor – as well as with 2 sternum blades and 2 lateral thoracic blades. Optionally available are smaller mini-thoracotomy blades and a t-bar for a minimally invasive cardiac surgery together with a wide variety of accessories for both valve and bypass procedures making it truly **“One for All”**

Developed in cooperation with Dr. Fabio Speroni, German Heart Institute Berlin.



Modular Sternum Retractor

29-0950

29-0950.40

29-1321

29-0951.30

29-0951.40

Modular I.M.A. Retractor

29-1325

29-0952.LI





29-0950.BD



Modular Sternum Retractor

This compact and fully modular retractor system features a unique quick release system for the blades by simply pulling on the knob at the top of the arms. The valve change is quick and easy. A distance holder between arm and blades allows for easy adaption and free movement of disposable arms, for beating heart surgery procedures. Due to its flat design the retractor can be used from both sides in caudal or cranial position. The retractor comes in its standard version with 4 movable swivel blades, 40 mm deep. Optionally available are shorter 30 mm swivel blades or pairs of large sternum blades.

Art.-No.	A	B	C	D
29-0950	40 mm	28 mm	200 mm	150 mm

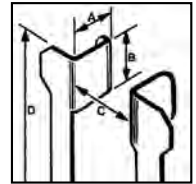
29-0950 includes

29-0950.BD	Body only
29-0950.40	Swivel blades (4)

Optional extra blades for 29-0950

29-0950.30	30 mm	28 mm	(4)
29-0951.30	30 mm	100 mm	(2)
29-0951.40	40 mm	100 mm	(2)

Upgrade Kit for I.M.A. see 29-1326



Modular I.M.A. Retractor

Also available is the I.M.A. retractor version utilizing a detachable rake blade for I.M.A. take-down providing for a cost effective and easy to use universal retractor system for cardiac surgery. The I.M.A. rake blade is attached to the small I.M.A. rake holder blades (can also be used as small sternum blades or lateral thoracic blades) either on the left or right side. While spreading, the chest wall is lifted up automatically and allows easy preparation of the I.M.A. under excellent visualization.

Art.-No.	A	B	C	D
29-1325			200 mm	150 mm

29-1325 includes

29-0950.BD	Body only
29-1326	I.M.A. Upgrade Kit for 29-0950

29-1326 includes

29-0951.30	30 mm	100 mm	(2)
29-0951.40	40 mm	100 mm	(2)
29-0952.LI	40 mm	60 mm	(1)
29-0952.RE	40 mm	60 mm	(1)
29-1321		100 mm	(1)

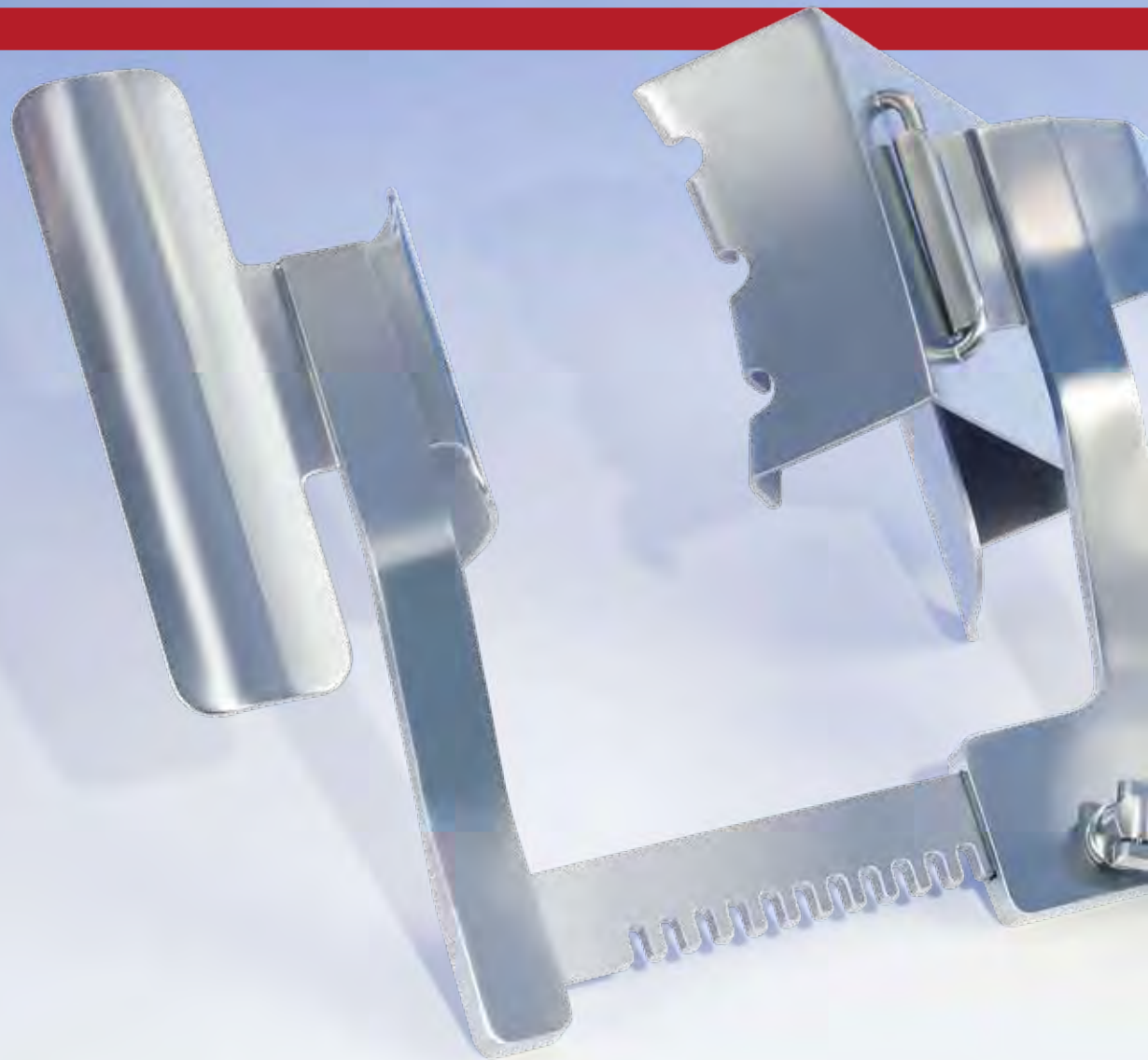
Optional extra blades for 29-1325

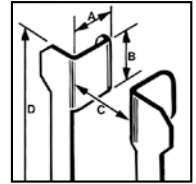
29-0950.30	30 mm	20 mm	(4)
29-0950.40	40 mm	20 mm	(4)



Bugge™
I.M.A. Retractor

29-1010





Bugge™

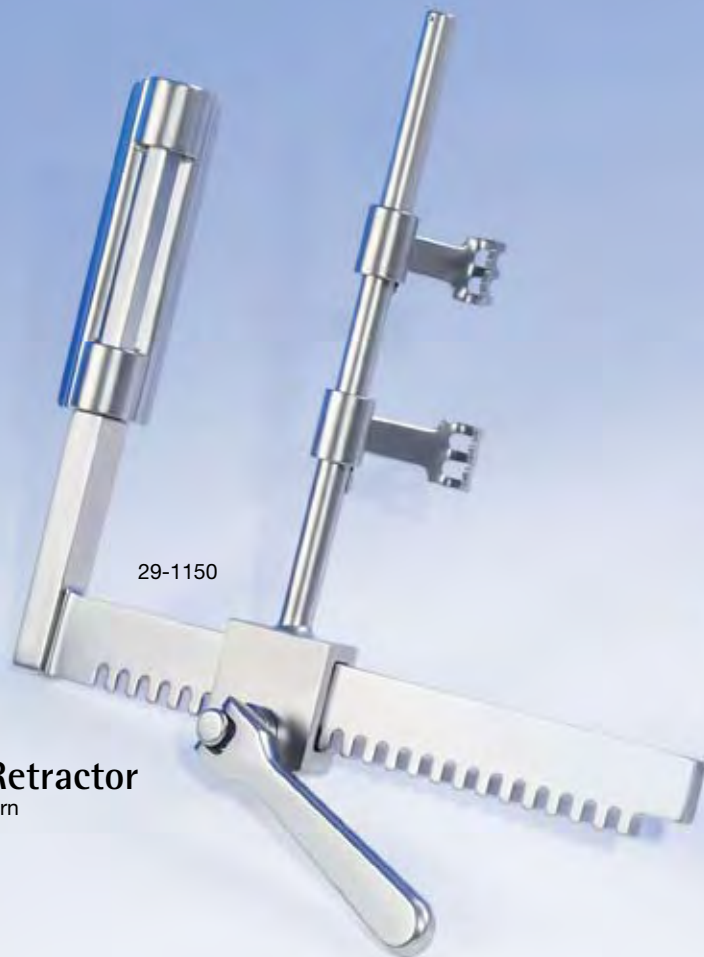
I.M.A. Retractor

This highly efficient and easy to use I.M.A. dissection retractor is placed in the patient after median sternotomy with the larger blade at the chosen donor side to be lifted for I.M.A. harvesting.

Once the blades are opened sufficiently by turning the wheel of the bar, the reinforcing screw can be turned in order to tilt the instrument for lifting the sternum at the side of the larger blade. The I.M.A. dissection can be performed under excellent exposure. Once the I.M.A. dissection is finished the retractor can be removed and a standard sternum retractor can be used for the rest of the operation.

Art.-No.	A	B	C	D	
29-1010	55 mm	100 mm	170 mm	130 mm	regular model
29-1010.JP	50 mm	80 mm	160 mm	130 mm	small model

Developed in cooperation with: Mogens Bugge, M.D., Ph.D., Dept. of Cardiothoracic Surgery, Sahlgrenska Hospital, Gothenburg, Sweden

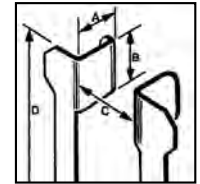


29-1150

I.M.A. Retractor
French pattern



29-1050

**Dubost**

with 3 pairs of blades

Art.-No.	Fig.	A	B	C	D
29-1050	L	30 mm	100 mm	200 mm	195 mm
	XL	40 mm			
	XXL	50 mm			

I.M.A. Retractor French pattern

Art.-No.	A	B	C	D
29-1150			150 mm	150mm
29-1150.CB	20 mm	100 mm		
29-1150.CS	28 mm	15 mm		
29-1150.CL	32 mm	15 mm		

Optional extra blades

Art.-No.	A	B	C	D
29-1151	38 mm	20 mm		
29-1152	25 mm	100 mm		

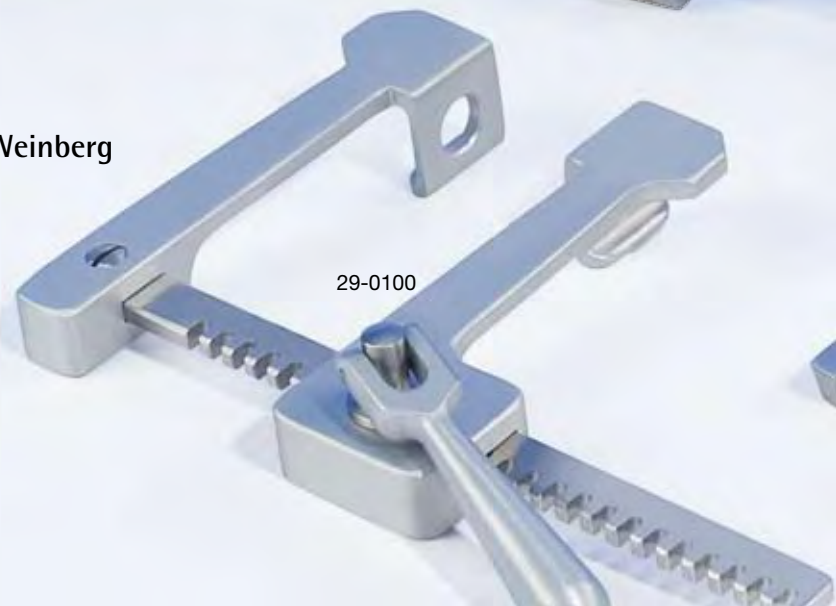
Dubost

This highly efficient and easy to use I.M.A. dissection retractor is placed in the patient after median sternotomy with the larger blade at the chosen donor side to be lifted for I.M.A. harvesting. Once the blades are opened sufficiently by turning the wheel of the bar, the reinforcing screw can be turned in order to tilt the instrument for lifting the sternum at the side of the larger blade. The I.M.A. dissection can be performed under excellent exposure. Once the I.M.A. dissection is finished the retractor can be removed and a standard sternum retractor can be used for the rest of the operation. The retractor also offers the option to accept a platform with stabilizer for off-pump CABG.

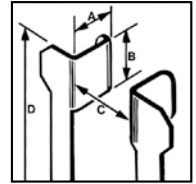


29-0102

Finochietto-Infant/Weinberg
Aluminium



29-0100



29-0105

Finochietto-Baby-Haight

Aluminium

Aluminium

The specific gravity of Aluminium is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminium are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminium is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.

Mini-Finochietto

Steel	Fig.	A	B	C	D
29-0090	XXS	6 mm	7 mm	37 mm	25 mm

Finochietto-Infant/Weinberg

Aluminium	Steel	Fig.	A	B	C	D
29-0100	29-0100.RS	XS	12 mm	15 mm	70 mm	55 mm
29-0102	29-0102.RS	S	12 mm	20 mm	95 mm	75 mm

Finochietto-Baby-Haight

Aluminium	Steel	Fig.	A	B	C	D
29-0105	29-0105.RS	M	28 mm	30 mm	100 mm	75 mm

Mini-Finochietto

Stainless Steel

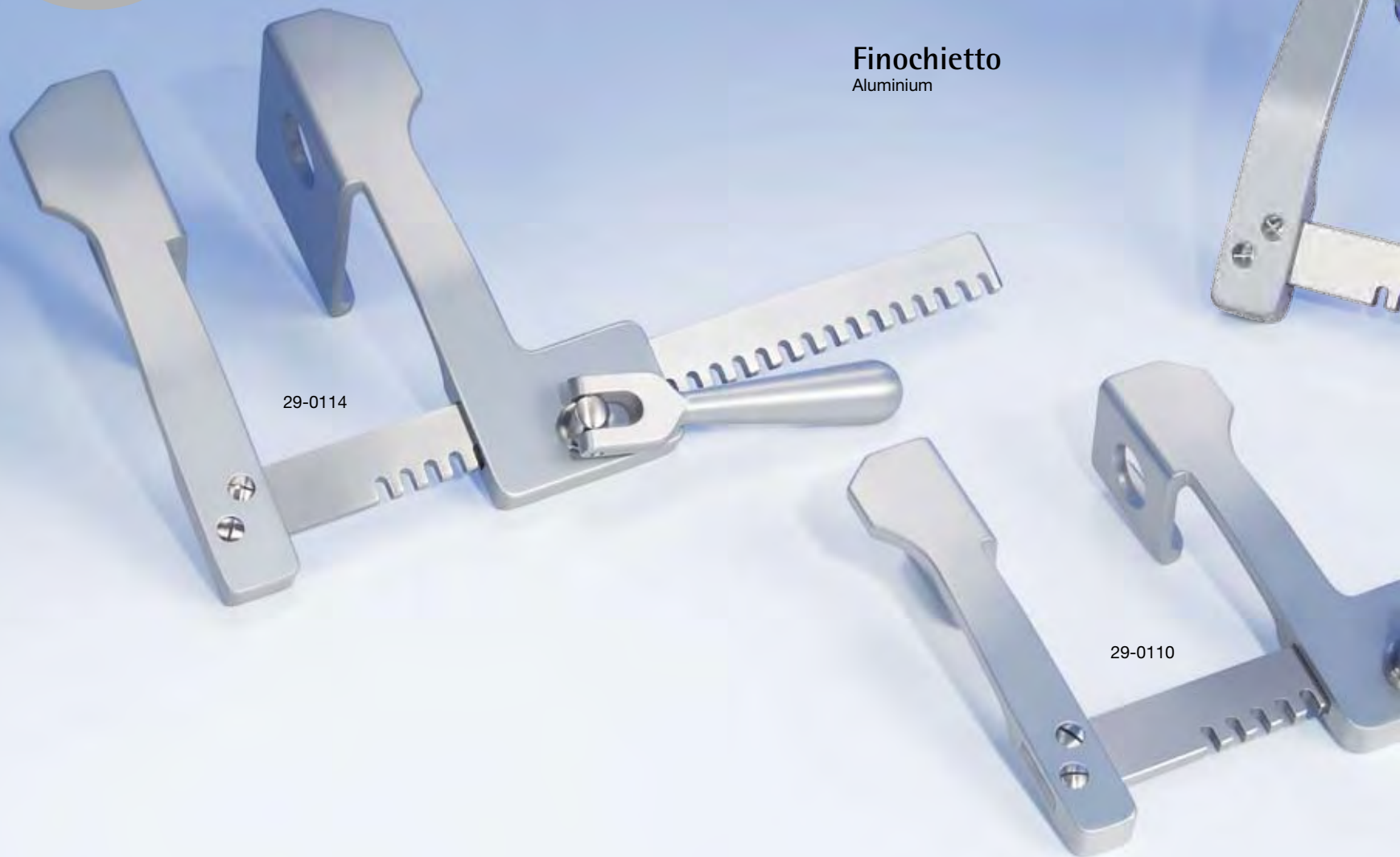
29-0090

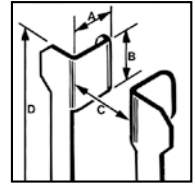


Finochietto
Aluminium

29-0114

29-0110





29-0112



Aluminium

The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.

Finochietto

Aluminium	Steel	Fig.	A	B	C	D
29-0110	29-0110.RS	ML	30 mm	45 mm	140 mm	110 mm
29-0112	29-0112.RS	L	42 mm	62 mm	175 mm	140 mm
29-0114	29-0114.RS	XL	75 mm	65 mm	175 mm	140 mm

Cooley
Aluminium



29-1494



29-0134



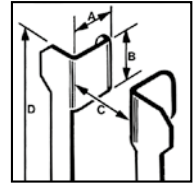
29-0132



29-0129

Aluminium

The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.



Cooley

Aluminium	Steel	Fig.	A	B	C	D
29-0130	29-0130.RS	XS	12 mm	15 mm	70 mm	55 mm
29-0129	29-0129.RS	S	14 mm	16 mm	85 mm	55 mm
29-0128*	29-0128.RS	SM	15 mm	20 mm	100 mm	80 mm
29-0131	29-0131.RS	M	15 mm	30 mm	115 mm	80 mm
29-0132	29-0132.RS	ML	20 mm	45 mm	140 mm	110 mm
29-0133	29-0133.RS	L	30 mm	50 mm	135 mm	145 mm
29-0134	29-0134.RS	L	30 mm	50 mm	185 mm	145 mm
29-1494	29-1494.RS	XL	35 mm	100 mm	180 mm	180 mm
29-1496	29-1495	XXL	35 mm	115 mm	230 mm	205 mm
with suture holder						
29-1490	29-1490.RS	XL	35 mm	100 mm	180 mm	180 mm

* with stabilizing pins in blade

Morse
Aluminium

29-0184

Mod. Finochietto
Aluminium

29-0120

Morse-Favaloro
Aluminium

29-0170

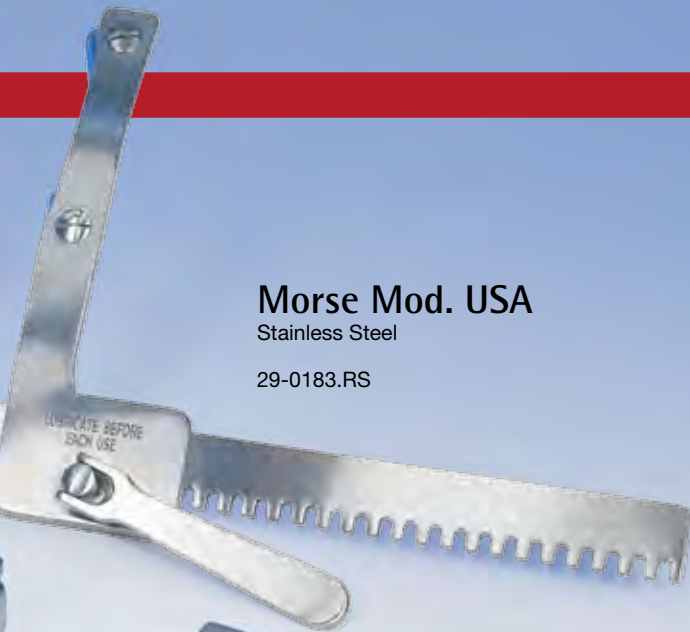




Morse Mod. USA

Stainless Steel

29-0183.RS



Morse

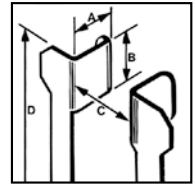
Stainless Steel

29-0182.RS



Aluminium

The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.



Mod. Finochietto

Aluminium	Fig.	A	B	C	D	blades
29-0120	S	10 mm	15 mm	120 mm	105 mm	2x2

Morse-Favaloro

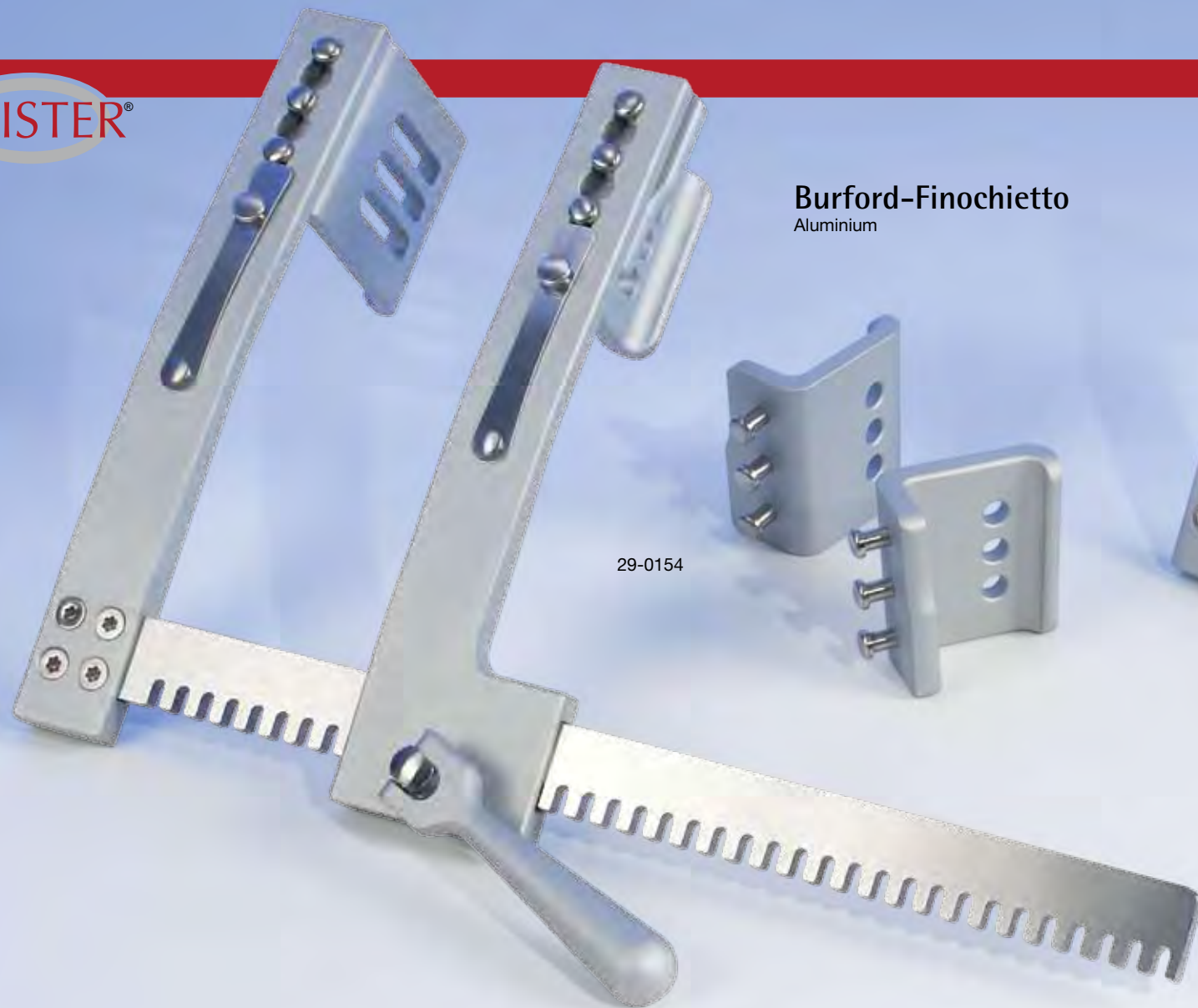
Aluminium	Steel					
29-0170	29-0170.RS	M	12 mm	20 mm	155 mm	120 mm 2x2
29-0172	29-0172.RS	L	40 mm	20 mm	155 mm	175 mm 2x2

Morse Mod. USA

Aluminium	Steel					
29-0181	29-0181.RS	M	20 mm	20 mm	155 mm	120 mm 2x2
29-0183	29-0183.RS	L	20 mm	28 mm	210 mm	155 mm 2x2

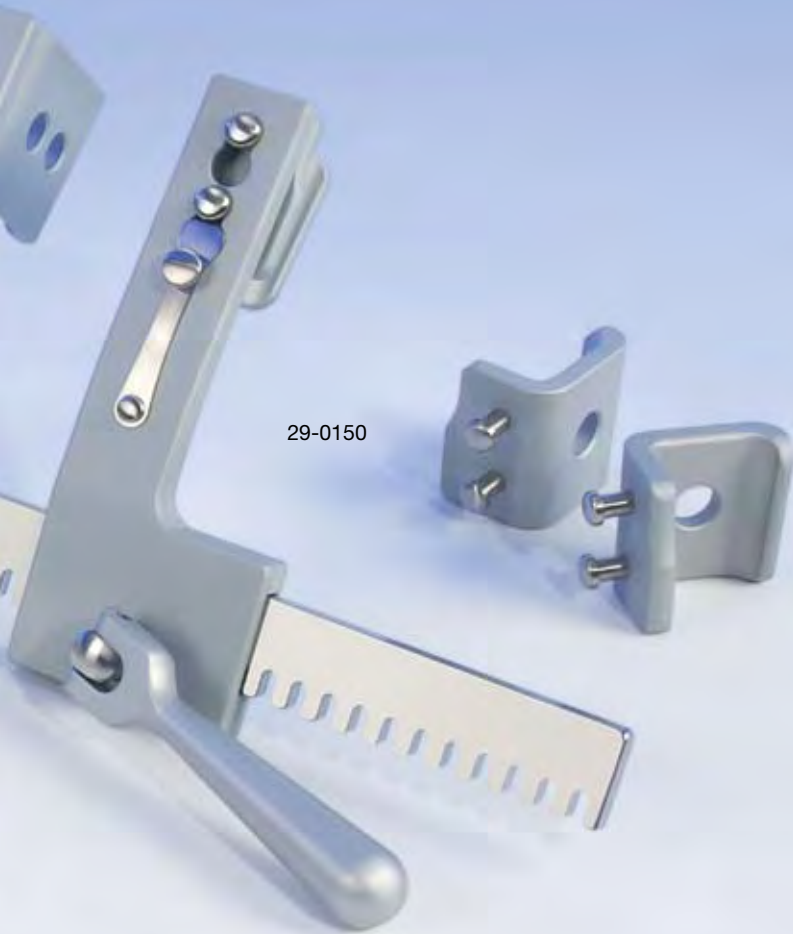
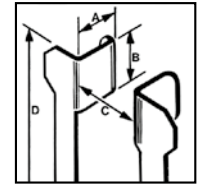
Morse

Aluminium	Steel					
29-0180	29-0180.RS	M	20 mm	20 mm	155 mm	120 mm 2x2
29-0182	29-0182.RS	L	20 mm	28 mm	210 mm	155 mm 2x2
29-0184	29-0184.RS	L	30 mm	28 mm	210 mm	155 mm 2x2
29-0185	29-0185.RS	L	42 mm	28 mm	210 mm	155 mm 2x2
29-0186	29-0186.RS	XL	30 mm	35 mm	200 mm	195 mm 3x3



Burford-Finochetto
Aluminium

29-0154



29-0150

Aluminium

The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminum requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.

Burford-Finochietto with 2 pairs of blades

Aluminium	Steel	Fig.	A	B	C	D
29-0150	29-0150.RS	ML	41 mm 30 mm	42 mm 42 mm	130 mm	117 mm
29-0152	29-0152.RS	L XL	45 mm 65 mm	62 mm 62 mm	165 mm	200 mm
29-0154	29-0154.RS	L XL	45 mm 65 mm	62 mm 62 mm	250 mm	200 mm
29-0156	29-0156.RS	L XL	45 mm 65 mm	62 mm 62 mm	290 mm	200 mm



Ankeney
Stainless Steel

29-1300



DeBakey
Stainless Steel

29-1370

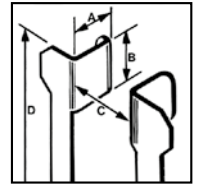


29-1299



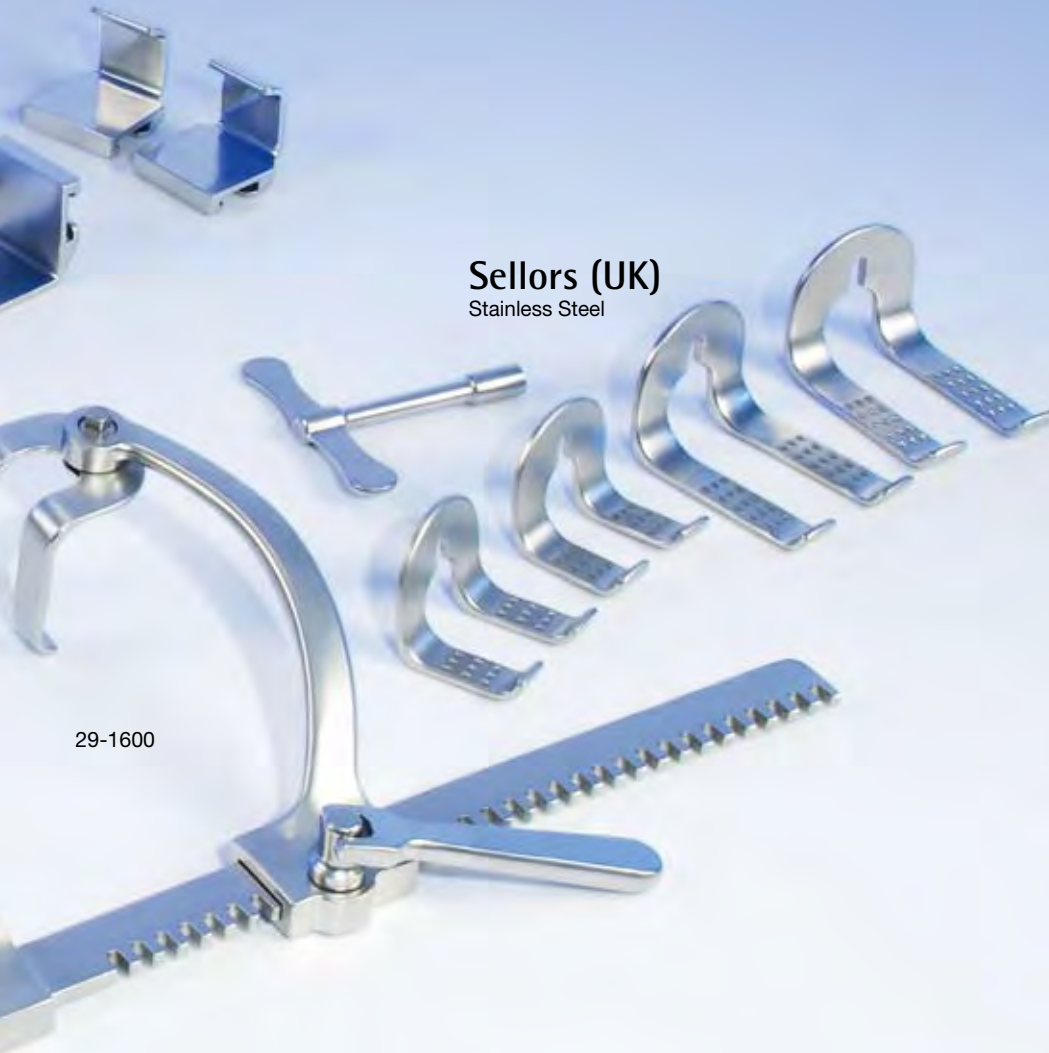
Ankeney
Aluminium





Sellors (UK)

Stainless Steel



29-1600

Ankeney

Aluminium	Fig.	A	B	C	D
29-1299	M	20 mm	20 mm	160 mm	115 mm
Steel	Fig.	A	B	C	D
29-1300	XXL	33 mm	35 mm	180 mm	300 mm

optional extra blades

29-1300.42	42 mm	35 mm
29-1300.52	52 mm	35 mm

Spare Springs (Set of 4)

29-1300.FE

DeBaKey with 3 pairs of blades

Steel	Fig.	A	B	C	D
29-1360	XL	40 mm	100 mm	200 mm	225 mm
		50 mm	80 mm		
		60 mm	60 mm		
29-1370	ML	50 mm	50 mm	150 mm	180 mm
		40 mm	40 mm		
		30 mm	30 mm		

Sellors (UK) with 3 pairs of blades and key

Steel	Fig.	A	B	C	D
29-1600	L	38 mm	50 mm	200 mm	195 mm
		45 mm			
		65 mm			



Speroni-Alexi Infant
Stainless Steel



29-0990

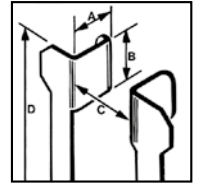


29-0197



29-0192

Castaneda
Aluminium



Eufrate-Pasqué

Stainless Steel

29-0195

29-0095

29-0095

Premie

Titanium

Premie with 2 pairs of blades

Titanium	Fig.	A	B	C	D
29-0095	XS	15 mm 15 mm	10 mm 20 mm	52 mm	40 mm

Castaneda

Aluminium	Steel	Fig.	A	B	C	D
29-0190	29-0190.RS	XS	16 mm	30 mm	65 mm	55 mm
29-0192	29-0192.RS	S	12 mm	45 mm	73 mm	80 mm
29-0194	29-0194.RS	M	15 mm	60 mm	100 mm	125 mm

Speroni-Alexi Infant with 2x1 blades

Steel	Fig.	A	B	C	D
29-0990	SM	20 mm	20 mm	135 mm	120 mm
	M	30 mm	20 mm		

Size adjustable with free positionable blades. Usable with 2, 3 or 4 blades. Gently rounded for suture protection.

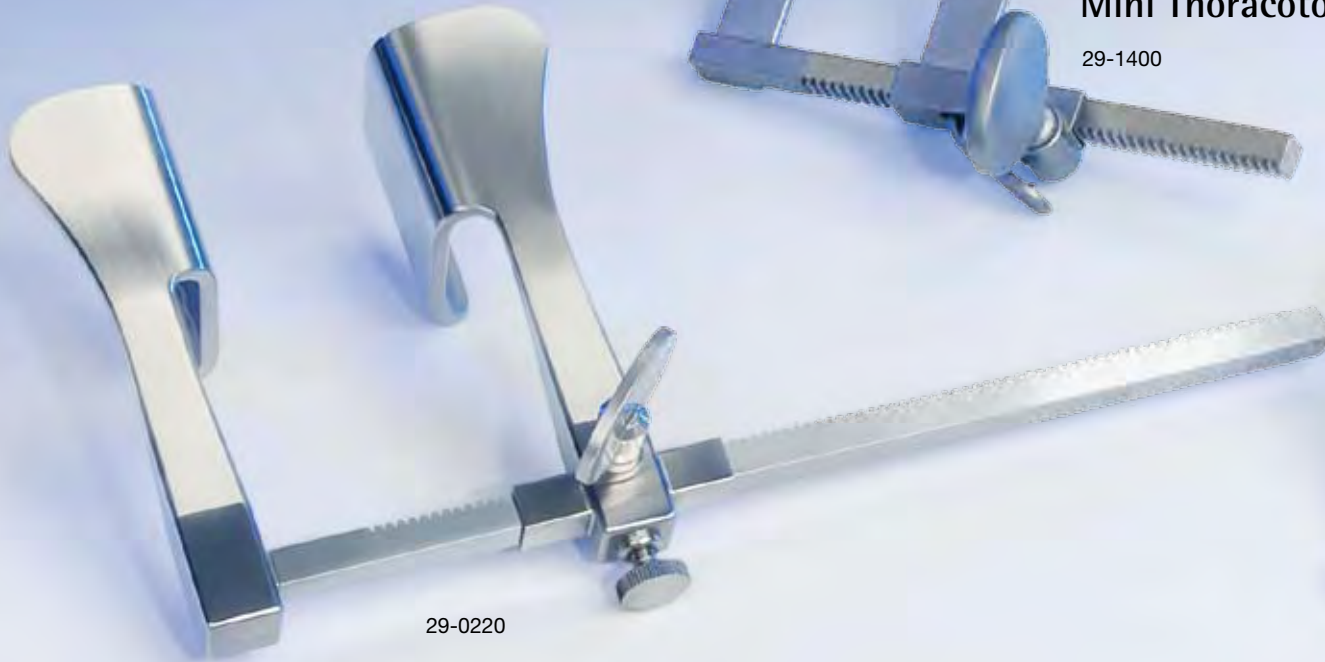
Eufrate-Pasqué flip-over style

Steel	Fig.	A	B	C	D
29-0195	XS	16 mm	30 mm	65 mm	75 mm
29-0197	M	18 mm	50 mm	90 mm	100 mm



Mini Thoracotomy

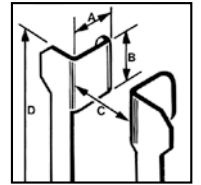
29-1400



29-0220

Tuffier





Rienhoff-Finochietto

29-0230

Baby-Haight

29-0240

Rienhoff-Finochietto

Art.-No.	Fig.	A	B	C	D
29-0230	M	20 mm	25 mm	150 mm	110 mm

Baby-Haight

Art.-No.	Fig.	A	B	C	D
29-0240	S	30 mm	30 mm	85 mm	70 mm
29-0242	M	30 mm	30 mm	120 mm	90 mm

Tuffier

Art.-No.	Fig.	A	B	C	D
29-0220	ML	42 mm	45 mm	170 mm	110 mm

Mini-Thoracotomy

Art.-No.	A	B	C	D
29-1400	38 mm	12 mm	70 mm	90 mm



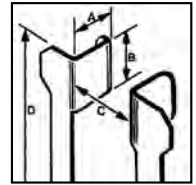
Amato Neonatal Sternal Retractors



29-0905



29-0904



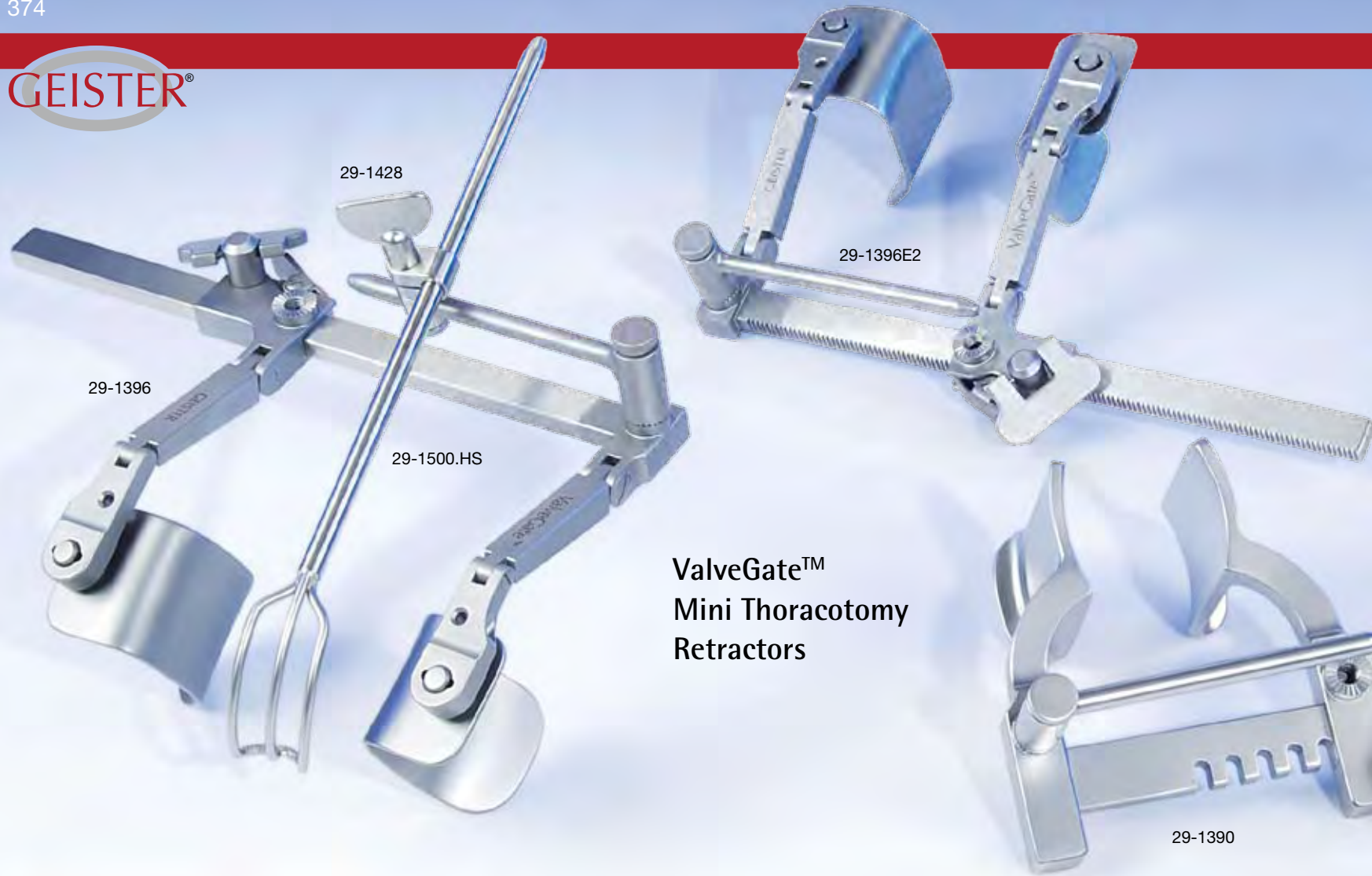
29-0903

Amato Neonatal Sternal Retractors

Specifically designed by Joseph J. Amato (Rush University Medical Center, Chicago, U.S.A.) for use in the repair of congenital heart disease in the infant or small child, the Amato neonatal sternal retractors* are designed to assist in avoiding bowing of the chest by spreading pressure over 2 or 3 points, rather than only one area. The selection of three sizes with arm length of 4 cm, 5.9 cm and 8.9 cm provides flexibility in matching retractor size to the incision.

Art.-No.	Fig.	A	B	C	D	blades
29-0905	SM	14 mm	13 mm	70 mm	89 mm	6
29-0904	S	14 mm	13 mm	70 mm	59 mm	4
29-0903	XS	10 mm	10 mm	60 mm	40 mm	4

* as specified by Joseph J. Amato, Rush University Medical Center, Chicago, Illinois, U.S.A.



29-1428

29-1396

29-1500.HS

29-1396E2

**ValveGate™
Mini Thoracotomy
Retractors**

29-1390



ValveGate™ Mini-Thoracotomy Retractors 29-1395

Retractor with straight arms, 30 x 60 mm blades with turnable crossbar (detachable) for accessories

Recommended Accessories:

Extra turnable crossbar		29-1395.TB
Cooley Atrial Hook small, rigid	20 mm	29-1500.HS
Fixation Clamp	Ø 6 mm	29-1428

ValveGate™ Mini-Thoracotomy Retractor 29-1390

Retractor with curved arms, 30 x 60 mm blades with strong spreading bar and turnable crossbar (detachable) for accessories*

ValveGate™ Mini-Thoracotomy Retractor 29-1396

Retractor with hinged arms, 2 x 2 exchangeable parallel blades 30 x 40 mm and 30 x 60 mm, turnable crossbar (detachable) for accessories

ValveGate™ Mini-Thoracotomy ** 29-1396E2

Retractor with hinged arms, 2 x 2 exchangeable tubular 40 x 50 mm and 40 x 70 mm, turnable crossbar (detachable) for accessories*

ValveGate™ Mini-Thoracotomy 29-1396E3

Retractor with hinged arms, 3 x 2 exchangeable tubular 40 x 30 mm, 40 x 50 mm and 40 x 70 mm, turnable crossbar (detachable) for accessories

* shown with 29-1428 and 29-1500.HS (not included)

** also available with fenestrated blades. Add „M“ behind article number.



29-1120

29-1121



29-1120 SET

**ThoraGate™ Rip Up
Retractor for MIDCAB**



29-1121 SET



29-1155

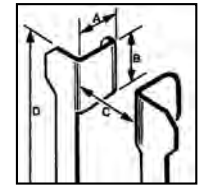
29-0930

Mini IMA Retractor, French-type

Art.-No.	A	B	C	D
29-1155	20 mm	24 mm	110 mm	75 mm

Adams-Yozu Retractor

Art.-No.	A	B	C	D
29-0930	100 mm	50 mm	100 mm	85 mm
	70 mm	50 mm		

**ThoraGate™ Rip Up Retractor for MIDCAB**

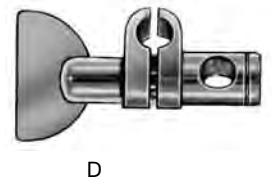
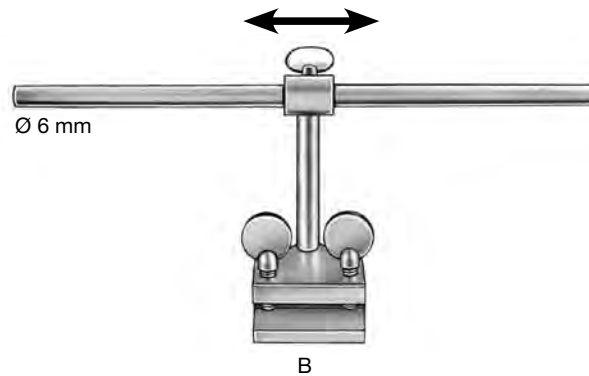
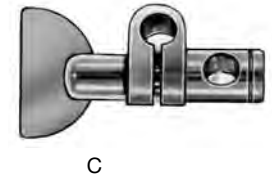
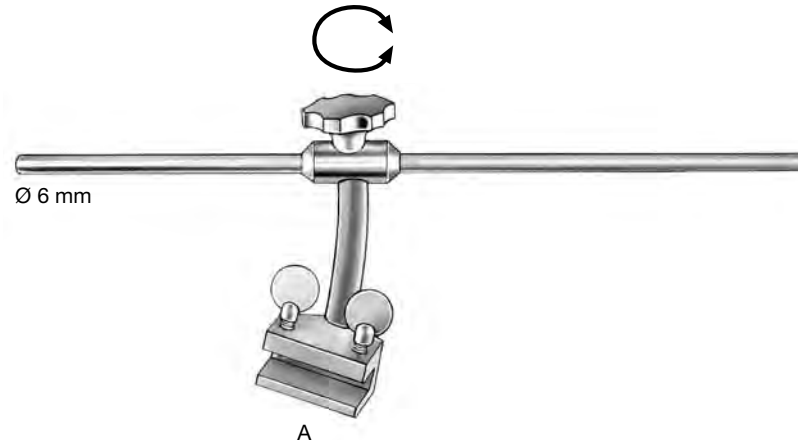
- + stable rib elevation
- + facilitates harvesting
- + excellent exposure
- + larger operating area
- + choice of 2 lower blades
- + choice of 3 upper blades

Minimally invasive direct coronary artery bypass (MIDCAB) with the GEISTER® ThoraGate™ system requires a substantially smaller incision than conventional coronary artery bypass grafting (CABG). A leftside minithoracotomy is being performed, then the left internal mammary artery (IMA) harvested under direct vision, and an anastomosis being performed between IMA and LAD under direct vision, using a mechanical GEISTER® stabilizer system, fixed by a t-bar or a flexible arm either on the ThoraGate™ itself, or - after changing the retractor insitu - on a small mini-thoracotomy retractor, for local mechanical immobilization.

ThoraGate™ Rib Up Retractor for MIDCAB Surgery

Art.-No.	Art.-No.	A	B	C	D
left side open	right side open				
29-1120	29-1121	120 mm	20 mm	95 mm	115 mm
		96 mm	20 mm		
		75 mm	20 mm		
		45 mm	20 mm		
		35 mm	20 mm		

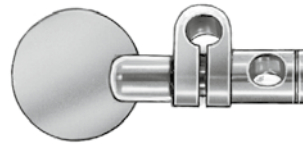
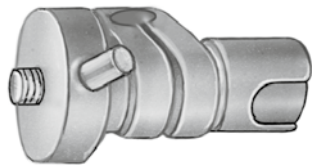
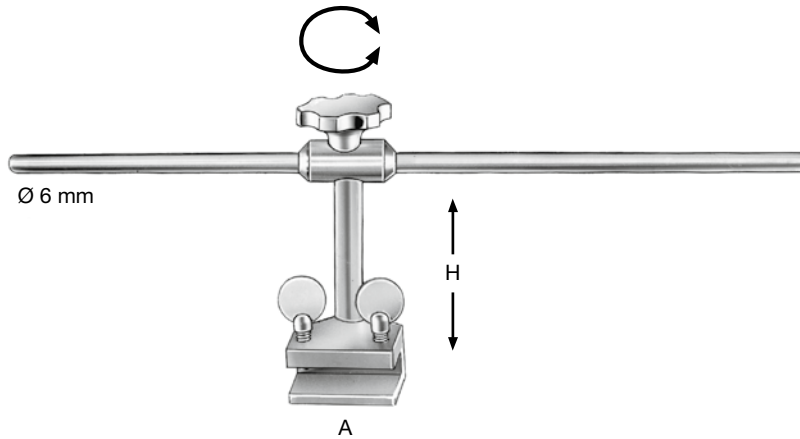
T-bars and Fixation Clamps



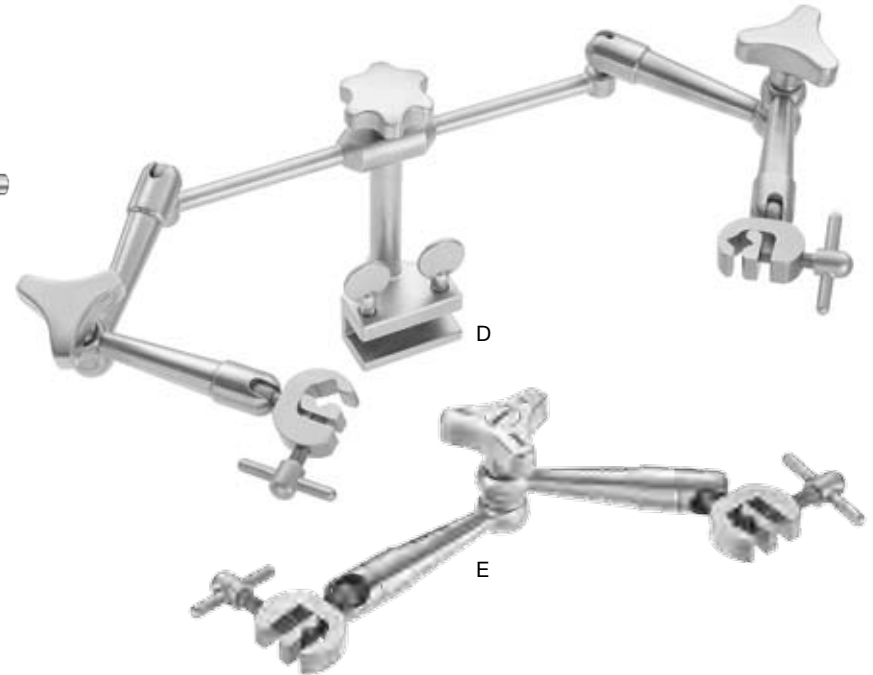
T-bars and Fixation Clamps

Art.-No.	Fig.	Ø	
29-1005.TB	A	6 mm	250 mm/10"
29-1414	B	6 mm	180 mm/7"
29-1428	C	6 mm	
29-1429	D	6 mm	split

T-bars and Fixation Clamps



Mini Iron-Assistant™



T-bars and Fixation Clamp

Art.-No.	Fig.	Ø	H
29-1005.TS	A	6 mm	250 mm/10''
29-1005.TL			
29-1511	B	6 mm	
29-1500.FC	C	6 mm	

Mini Iron-Assistant™

Art.-No.	Fig.	H
29-1515	D	60
29-1516	E	

Lectiang Stabilizer, large



Lectiang Stabilizer, small



**Lectiang Stabilizer
large**
Art.-No.
29-1436

**Lectiang Stabilizer
small**
Art.-No.
29-1438



Fork Stabilizer



Multi-Purpose Spatula



Bulldog Clamp / Vessel Holder



Fork Stabilizer

Art.-No.

29-1435

Multi-Purpose Spatula

Art.-No.

29-1437

Bulldog Clamp/Vessel Holder

Art.-No.

29-1440

Ross Retractor

serrated



Marberger Retractor



Ross Retractor serrated, 25 cm

Art.-No.

29-1471	16 x 16 mm	small
29-1472	24 x 14 mm	medium
29-1473	24 x 17 mm	large

Marberger Retractor, 23 cm

Art.-No.

29-1445	17 mm	small
29-1446	20 mm	medium
29-1447	23 mm	large

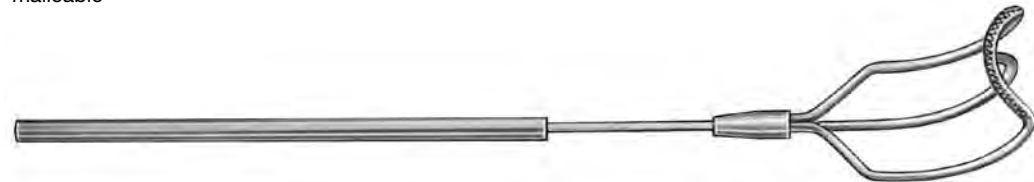
Coolley Atrial Retractor malleable, 26 cm

Art.-No.

29-1430	20 mm	small
29-1435	35 mm	medium
29-1432	45 mm	large

Coolley Atrial Retractor

malleable





Cooley Atrial Retractor

rigid

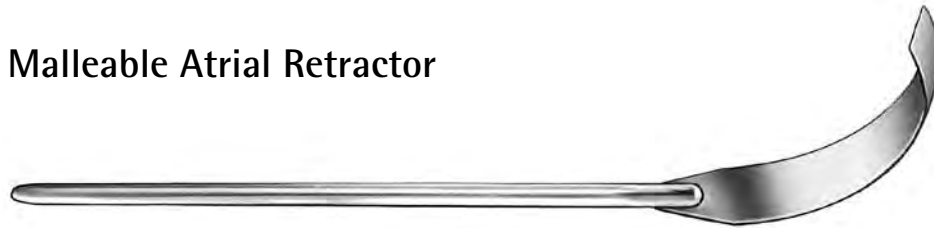


29-1500.HS



29-1500.HT

Malleable Atrial Retractor



Malleable Illumination Arm



Cooley Atrial Retractor

rigid, 23 cm

Art.-No.

29-1500.HS	20 mm	small
29-1500.HM	35 mm	medium
29-1500.HT	45 mm	tricuspid
29-1500.HL	45 mm	large

Malleable Atrial Retractor, 23 cm

Art.-No.

29-1500.BH

Malleable Illumination Arm

fits onto almost all available rib spreaders. Especially useful for M.I.C.S. operations and I.M.A. dissection.

Art.-No.

29-1215 Storz-type connector



Universal Table Mounted Retractor System



Universal Table Mounted Retractor System

A multi-purpose retractor featuring independently moveable arms. The unique multi-plane positioning allows for virtually unlimited angle and retractor blade placement. Quick-connect blade clamps feature Fast-Lock turret design.

+ Universal Positioning Frame with Independently Moving Arms

More options for positioning than a fixed frame system

+ Locking Pivotal Neck

Move complete retractor set-up with the push of a button

+ Traditional Side Rail Attachment

Familiar setup procedure

+ Equipped with a Variety of Retractor Blades

Adaptable to virtually any open procedure

+ Now Available with Bariatric Blades

See reverse side for sizes and types of retractors for bariatric use

+ Retractor arms can be independently moved in all directions and tightened into position.

Complete Universal Retractor System

30-4000

Includes:

- (1) 30-4010 Retractor Frame
- (1) 30-4015 Rail Clamp
- (1) 30-4020 Field Post
- (1) 30-4025 Post Coupling
- (6) 30-4031 Retractor Clamp
(over-the-post, snap-on version)
- (6) Standard Retractor Blades
(1 each, see next column)

Optional extras:

- 30-4027 Extension Bridge to connect the frame ends
(Liver Bridge)
- 30-4030 Retractor Clamp (slide-on)

Standard Retractor Blades:

- 30-4050 Balfour, 25/8" x 3" (6.5 x 7.5 cm)
- 30-4052 Harrington, Standard
- 30-4055 Malleable 8" x 3" (20 x 7.5 cm)
- 30-4056 Malleable 6" x 2" (15 x 5 cm)
- 30-4060 Kelly 2" x 3" (5 x 6.5 cm)
- 30-4061 Kelly 2" x 4" (5 x 10 cm)

Optional Bariatric Blades:

- 30-4053 Harrington 31/2" x 8" (9 x 20 cm)
- 30-4057 Malleable 3" x 10" (7.5 x 25 cm)
- 30-4058 Malleable 4" x 12" (10 x 30 cm)
- 30-4062 Kelly 21/2" x 10" (6.5 x 25 cm)
- 30-4070 Joe's Hoe 31/2" x 61/2" (9 x 17.5 cm)
- 30-4075 Deaver 4" x 7" (10 x 18 cm)



Buchmeister™ Table Mounted Abdominal Retractor System

Buchmeister™ table mounted Abdominal Retractor System

- + Provides multi-directional surgical site exposure
- + Applicable in a wide variety of abdominal procedures
- + Easy to assemble
 - consisting of solid and segmented rings, two types of horizontal bars, tilt and non-tilt ratchets and a wide selection of rigid and malleable blades
- + Use can be easily expanded by adding extra accessories
 - e.g. IMA accessories or Rectal Surgery accessories
- + Traditional Side Rail Attachment
 - familiar setup procedure

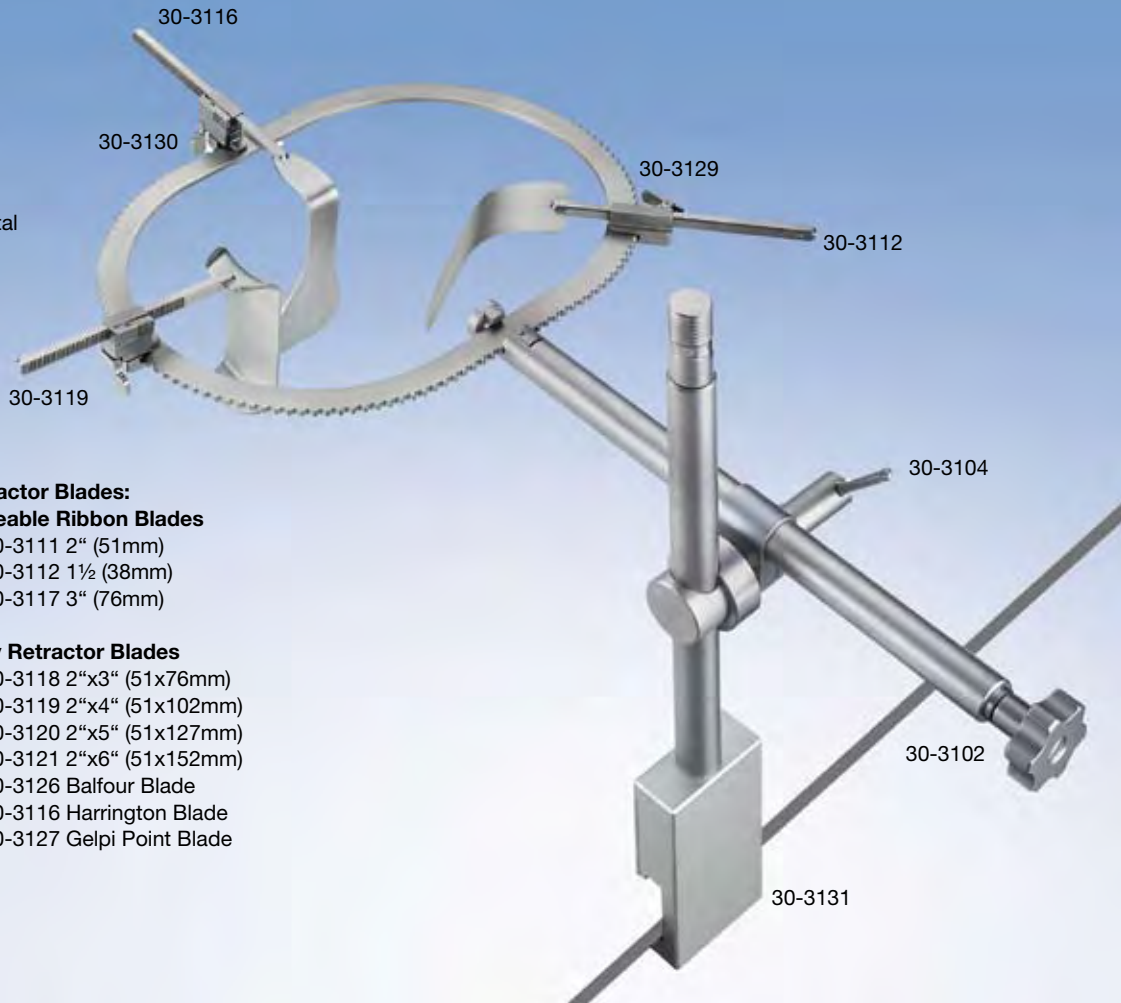
01-1550 Buchmeister™ Abdominal Retractor - Basic Kit

Includes:

- (1) 30-3131 Table Clamp with vertical post
- (1) 30-3102 Horizontal Bar
- (1) 30-3132 Horizontal Flex Bar
- (1) 30-3104 1" Post Coupling
- (2) 30-3129 Standard Ratchet Mechanism
- (6) 30-3130 Tilt Ratchet Mechanism
- (1) 30-3107 Oval Ring, medium size
- (1) 30-3133 Segmented Ring

Optional:

- 77-5000 Container Set (2 boxes) for Buchmeister™ Retractor System and its accessories



Retractor Blades:

Malleable Ribbon Blades

- (2) 30-3111 2" (51mm)
- (2) 30-3112 1½" (38mm)
- (2) 30-3117 3" (76mm)

Kelly Retractor Blades

- (1) 30-3118 2"x3" (51x76mm)
- (1) 30-3119 2"x4" (51x102mm)
- (1) 30-3120 2"x5" (51x127mm)
- (1) 30-3121 2"x6" (51x152mm)
- (1) 30-3126 Balfour Blade
- (1) 30-3116 Harrington Blade
- (1) 30-3127 Gelpi Point Blade

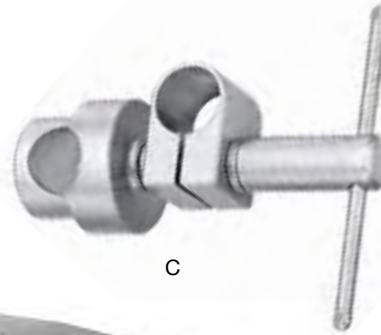
Buchmeister™ Table Mounted Abdominal Retractor System



A



B



C



G



D



E



F



H

Order information

Art.-No.	Fig.	Description
30-3130	A	Tilting Ratchet Mechanism
30-3129	B	Standard Ratched Mechanism
30-3104	C	Post Coupling 1" (25mm)
30-3132	D	Horizontal Flex Bar 360° rotation
30-3102	E	Horizontal Bar 1" (25mm)
30-3103	F	Vertical Extension Bar 1" (25mm) Length: 12" (305mm)
30-3131	F	Table Post 1" (25mm)

Retractor Blades

Art.-No.	Fig.	Description
30-3116	G	Harrington Blade 2½"x5½" (63x143mm)
30-3118	H	Kelly Blade, 2"x3" (51x76mm)
30-3119	H	Kelly Blade, 2"x4" (51x102mm)
30-3120	H	Kelly Blade, 2"x5" (51x127mm)
30-3121	H	Kelly Blade, 2"x6" (51x152mm)
30-3122	H	Kelly Blade, 2"x2½" (51x63mm)
30-3113		Kelly Blade, 2"x2" (51x51 mm)
30-3115		Kelly Blade, 2"x1½" (51x38mm)
30-3124		Kelly Blade 1"x1½" (25x38mm)
30-3125		Kelly Blade 1"x2½" (25x63mm)

Retractor Blades

Art.-No.	Fig.	Description
30-3126	A	Balfour Blade 2½"x3" (67x76mm)
30-3135	B	Rectal Blade, small 3" (73mm)
30-3136	B	Rectal Blade, large 4" (98mm)
30-3127	C	Gelpi Point Blade, sharp
30-3111	D	Malleable (Ribbon) Blade, 2" (51mm)
30-3112	D	Malleable (Ribbon) Blade, 1½" (38mm)
30-3117	D	Malleable (Ribbon) Blade, 3" (76mm)
30-3192		Deaver Blade, small 1"x3½" (5x89mm)
30-3193		Deaver Blade, large 1"x 5" (25x127mm)
30-3197		Richardson Blade ¾"x1" (19x25mm)
30-3198		Richardson Blade ¾"x2" (19x51mm)
30-3199		Richardson Blade 1"x1¼" (25x32mm)
30-3191		Lateral Blade 1"x3" (25x76mm)
30-3194		Posterior Blade 1"x4½" (25x114 mm)



A



B



C



D



A



B



C

Rings

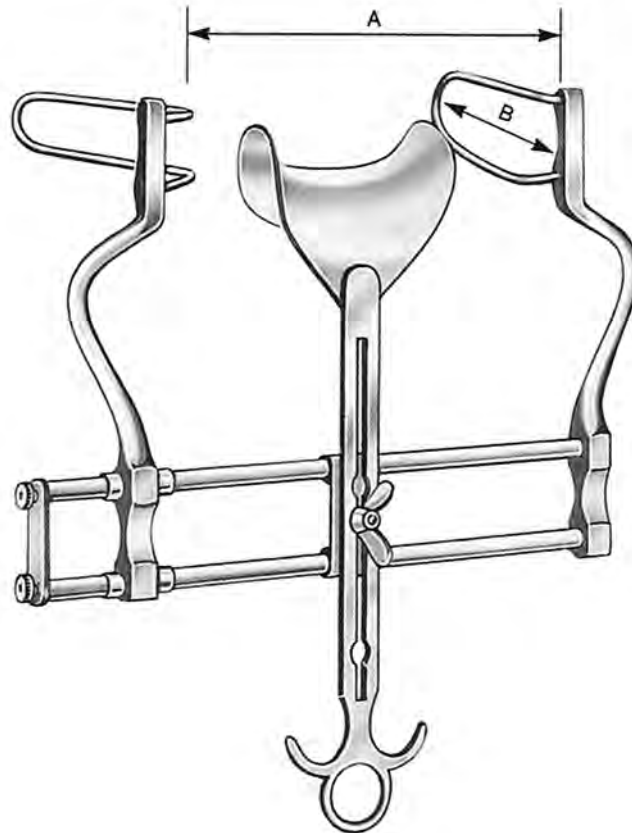
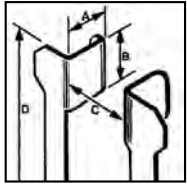
Art.-No.	Fig.	Description
30-3106	A	Oval Ring, large 12"x18½" (267x470mm)
30-3107	A	Oval Ring, medium 10"x14½" (267x368mm)
30-3108	A	Oval Ring, small 8"x12¼" (203x311mm)
30-3110	B	Round Ring, large 12" (317mm)
30-3109	B	Round Ring, medium 10½" (266mm)
30-3134	B	Round Ring, small 8½" (216 mm)
30-3138	C	Segmented Ring, large 12½"x19½" (317x495mm)
30-3133	C	Segmented Ring, medium 10½"x19½" (266x495mm)
30-3137	C	Segmented Ring, small 8½"x14" (216x356mm)
30-3215	C	Segmented Ring, spinal 8½" (216mm)



Balfour

Bailey-Baby

Bailey

**Balfour**

Art.-No.	A	B
30-2330	160 mm	70 mm
30-2335	250 mm	100 mm

Bailey-Baby

Art.-No.	Length
29-0340	150 mm/6"

**Bailey
short arm**

Art.-No.	Length
29-0320	165 mm/6 1/4"

Bailey-Gibbon



Sellors



Lemmon

**Bailey-Gibbon**

long arm

Art.-No.	Length
29-0325	165 mm/6¼"

Sellors

Art.-No.	Length
29-0310	200 mm/8"

Lemmon

Art.-No.	Length
29-0330	180 mm/7"



Izzat Spring Retractor

Optimal performance of aortic valve repair or replacement requires:

1. Full exposure of the aortic root.
2. Symmetrical retraction of all aortic sinuses to avoid distortion of the aortic root.
3. Stability of retraction throughout the procedure.





The **Izzat Spring Retractor*** is designed to achieve all three goals. Three specifically designed blades are joined together to achieve 360 degrees radial retraction. The inter-connecting springs apply equal tension to all three sinuses and ensure maintenance of the natural shape of the aortic root.

The self-retaining design of the Spring Retractor ensures its stability throughout the procedure, and avoids the need for its repositioning during surgery.

The Spring retractor is available in two sizes to fit the wide range of aortic root sizes.

Order information:

- 30-1050 Izzat Spring Retractor large 8,5 cm 10 mm
- 30-1051 Izzat Spring Retractor small 8,5 cm 6 mm
- 30-1055 Izzat Spring Retractor Applicator 20 cm



*Developed in cooperation with Professor M. Bashar Izzat, FRCS(CTh), Damascus, Syria



Epicardial Spring Retractor

Epicardial Spring Retractor

3 x 3 blunt prongs

Art.-No.	Size	Length
30-1001	Mini	25 mm
30-1002	Small	31 mm
30-1003	Medium	38 mm
30-1005	Large	54 mm

3 x 3 sharp prongs

30-1001.SH	Mini	25 mm
30-1002.SH	Small	31 mm
30-1003.SH	Medium	38 mm
30-1005.SH	Large	54 mm

Finsen Epicardial Spring Retractor

2 x 3 blunt prongs

Art.-No.	Size	Length
30-1011	Large	50 mm
30-1013	Extra-Large	70 mm

2 x 3 sharp prongs

30-1010	Large	50 mm
30-1012	Extra-Large	70 mm

Nitinol Epicardial Spring Retractor with superelastic memory effect

5 x 5 semi-sharp prongs

Art.-No.	Size	Length	pressure
30-1019	Medium	40 mm	1.8N
30-1020	Medium	40 mm	1.2N
30-1021	Medium	40 mm	0.6N

Epicardial Spring Wire Retractor

1 x 1 semi-sharp prongs

Art.-No.	Size	Length
30-1000	Medium	40 mm



Finsen Epicardial Spring Retractor



Nitinol Epicardial Spring Retractor

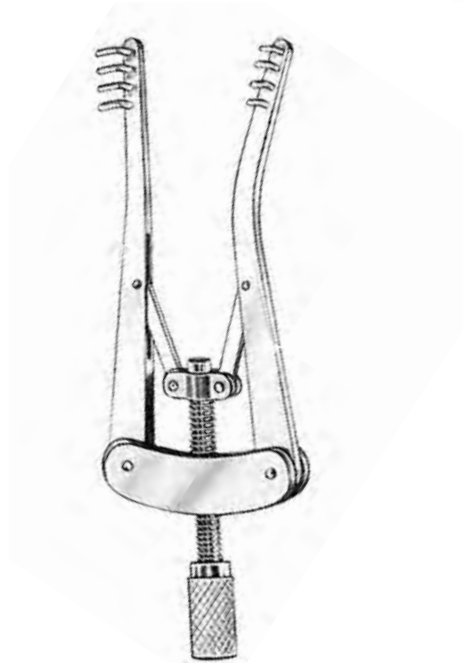
with superelastic memory effect



Epicardial Spring Wire Retractor



Alm



Weitlaner

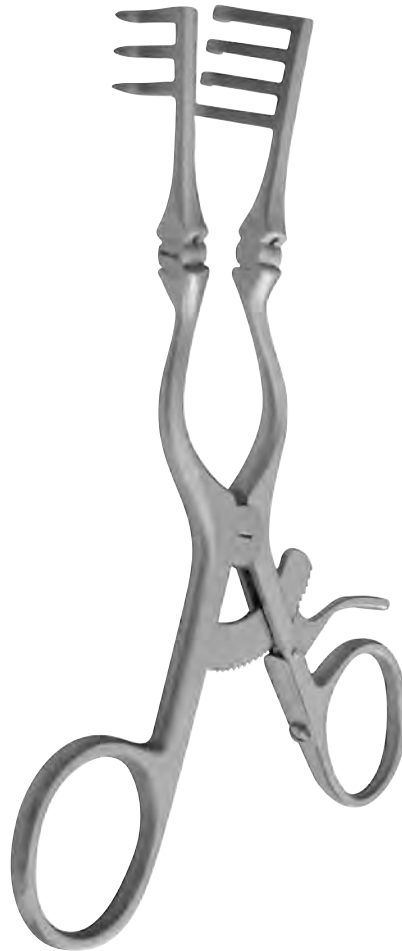
**Alm**

Art.-No.		Length
30-0900	sharp	10 cm/4"
30-0910	sharp	7 cm/2½"
30-0901	blunt	10 cm/4"
30-0911	blunt	7 cm/2½"

Weitlaner

Art.-No.		Length	prongs
30-0590	sharp	11 cm/4¼"	2 x 3
30-0600	sharp	13 cm/5"	3 x 4
30-0605	sharp	16 cm/6¼"	3 x 4
30-0610	sharp	20 cm/8"	3 x 4
30-0615	sharp	25 cm/10"	3 x 4
30-0601	semi-sharp	13 cm/5"	3 x 4
30-0606	semi-sharp	16 cm/6¼"	3 x 4
30-0611	semi-sharp	20 cm/8"	3 x 4
30-0616	semi-sharp	25 cm/10"	3 x 4
30-0592	blunt	11 cm/4¼"	2 x 3
30-0602	blunt	13 cm/5"	3 x 4
30-0607	blunt	16 cm/6¼"	3 x 4
30-0612	blunt	20 cm/8"	3 x 4
30-0617	blunt	25 cm/10"	3 x 4

Cone



West's (UK)

**Cone**

Art.-No.		Length	prongs
30-0640	sharp	13 cm/5"	3 x 4
30-0642	sharp	16 cm/6¼"	3 x 4
30-0644	sharp	20 cm/8"	3 x 4
30-0641	blunt	13 cm/5"	3 x 4
30-0643	blunt	16 cm/6¼"	3 x 4
30-0645	blunt	20 cm/8"	3 x 4

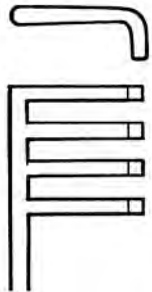
West's (UK)

Art.-No.	Length	prongs
30-0599	17 cm/6¾"	4 x 6

Henly

This modification of the Weitlaner retractors offers improved exposure in femoral, popliteal, and carotid positions through attachment of a third blade. It is also very useful for hernia repair.

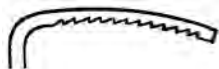
Self-retaining



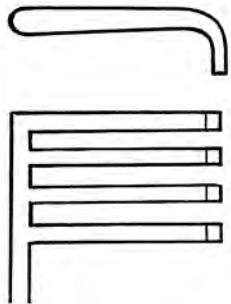
A



B



C



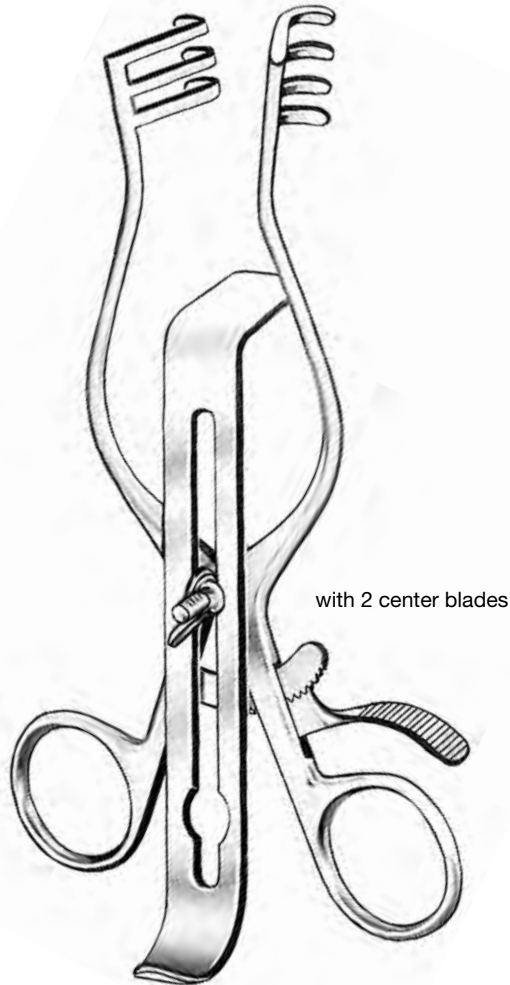
D



E



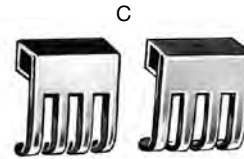
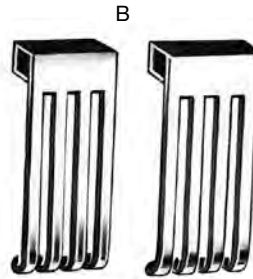
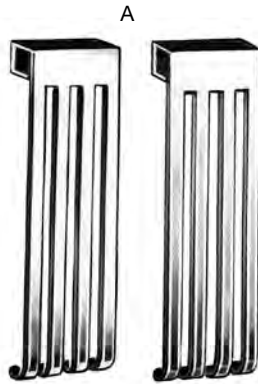
F



Henly Self-retaining		
Art.-No.	Fig.	
30-0700	A	Standard pattern with center blade 19 and 25 mm
30-0730	B	19 mm
30-0732	C	25 mm
30-0710	D	Deep pattern with center blade 30 and 40 mm
30-0734	E	30 mm
30-0736	F	40 mm

Mod. Henly

with interchangeable center and side blades, complete set



Mod. Henly

Art.-No.

30-0717	complete system, 17.5 cm arms straight
30-0718	complete system, 17 cm arms spread outward (not illustrated)
30-0736	Optional deep blade, 40 mm
30-0719.51	Optional deep blade, 51 mm
30-0719.76	Optional deep blade, 76 mm

Art.-No.	Fig.	Length
30-0717.76	A	76 mm
30-0717.51	B	51 mm
30-0717.25	C	25 mm
30-0717.BD	D	
30-0730	E	19 mm
30-0732	F	25 mm
30-0734	G	30 mm



Multipurpose Retractor

for use in vascular surgery, spinal surgery,
orthopaedic surgery and general surgery



D



A



B



C



E

F

G

Multipurpose Retractor

Art.-No.

30-0720

complete with frame
and 3 center blades
and 3 pairs of side
blades

Art.-No.

30-0720.25
30-0720.50
30-0720.75
30-0720.BD
30-0730
30-0732
30-0734

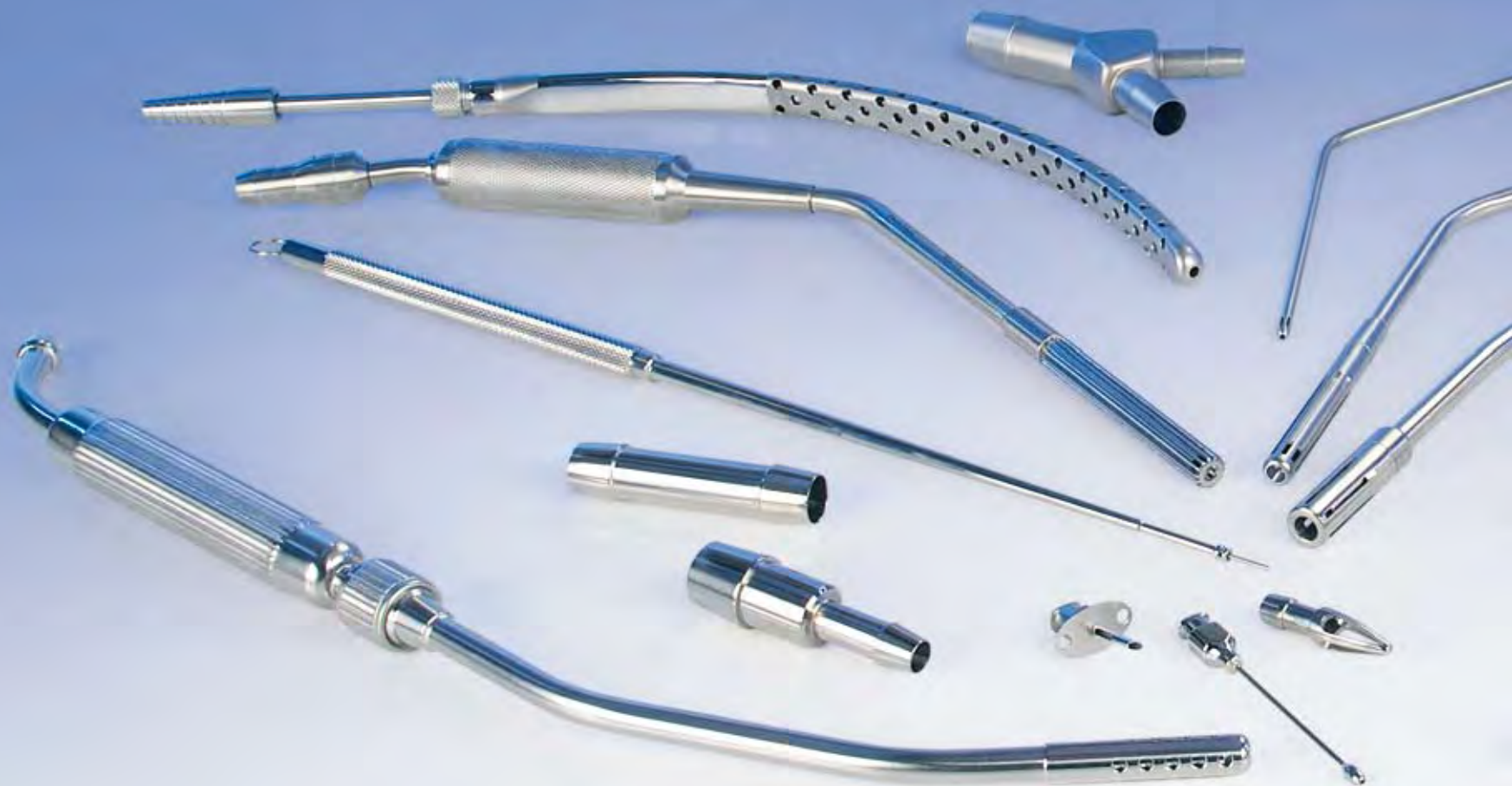
Fig.

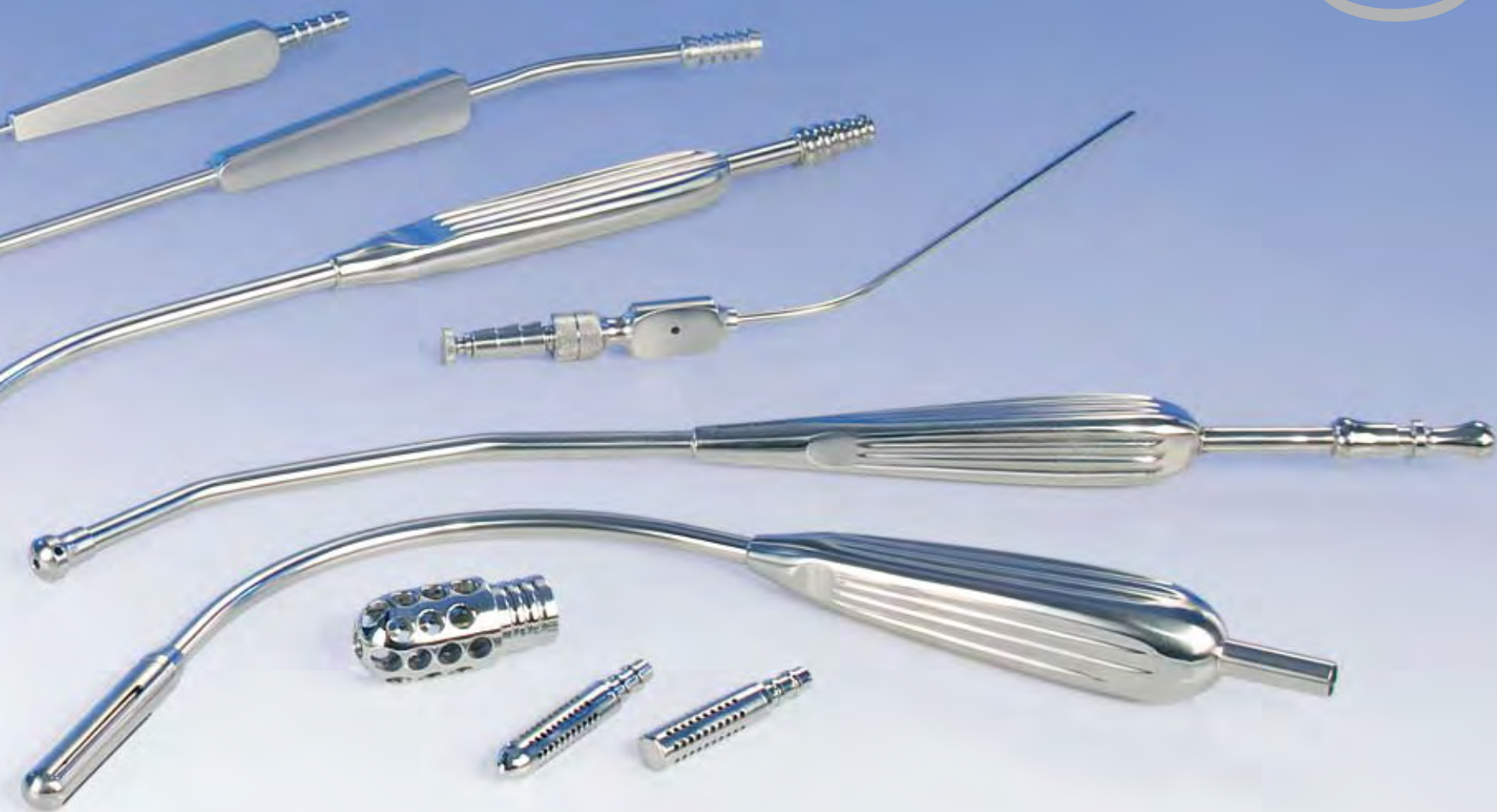
A
B
C
D
E
F
G

Length

25 mm
50 mm
75 mm

19 mm
25 mm
30 mm







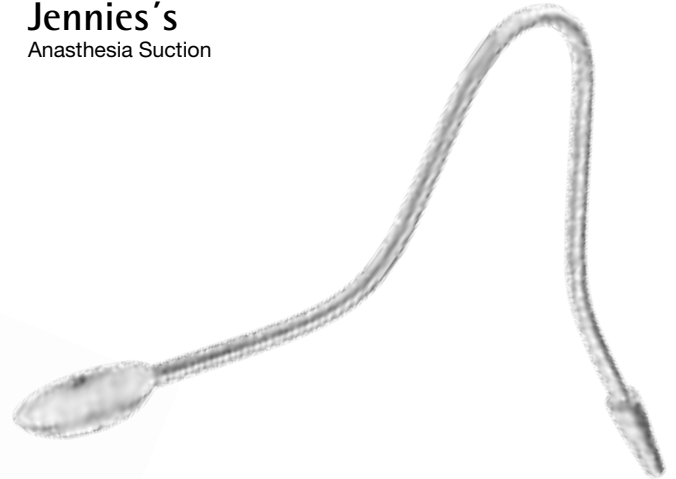
Suction Tubes

Bugge

Cardiac Suction Tube

**Jennie's**

Anesthesia Suction

**Bugge
Cardiac Suction Tube**

Art.-No.	Ø	Length	Size
18-0400	12 mm	29 cm/11 1/2"	Large
19-0402	10 mm	29 cm/11 1/2"	Medium
18-0404	8 mm	20 cm/8"	Small
18-0406	6 mm	20 cm/8"	Mini
18-0408	4.5 mm	20 cm/8"	Micro (Pediatric)

**Jennie's
Anesthesia Suction**

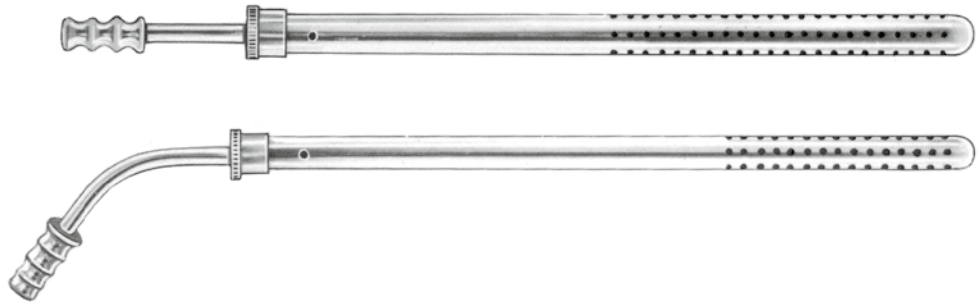
Art.-No.	Ø	Length	Curvature
18-0410L	6 mm	23 cm/9"	Left
18-0410R	6 mm	23 cm/9"	Right

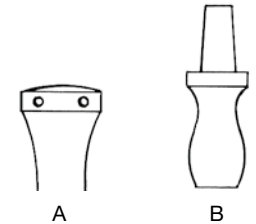
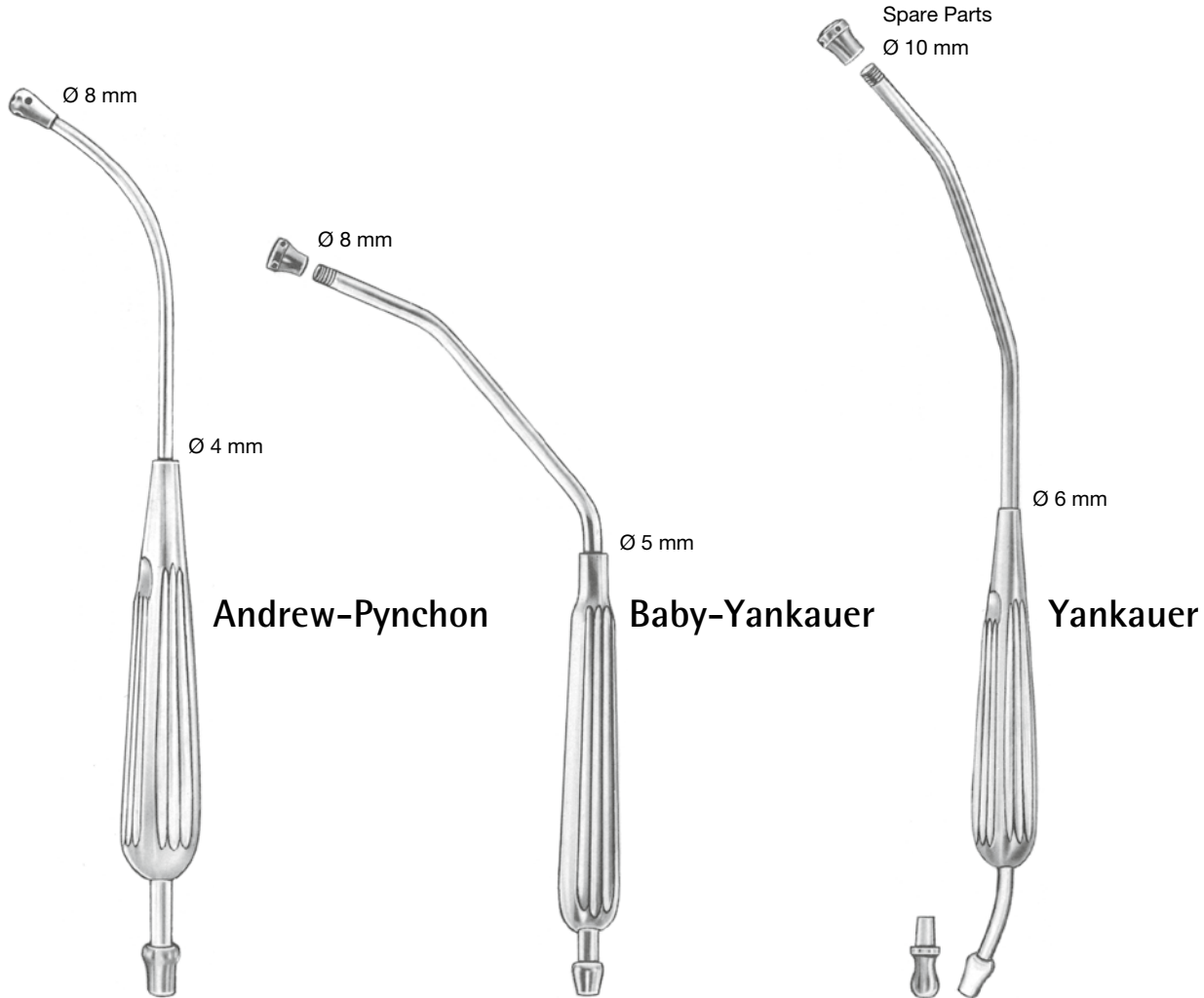
Includes:

18-0410.CA Screw-on Cleaning Adapter

Poole

Art.-No.	Ø	Length	Charr.
18-0240	10 mm	23.5 cm/9"	30
18-0242	8 mm	25 cm/10"	30

Poole



Andrew-Pynchon		
Art.-No.		Length
18-0228		24 cm/9½"
Baby-Yankauer		
Art.-No.		Length
18-0232		21 cm/8¼"
Yankauer		
Art.-No.	Fig.	Length
18-0230		29.5 cm/11½"
18-0230.SP	A	29.5 cm/11½"
18-0230.KO	B	29.5 cm/11½"

Ø 4 mm

Ø 5 mm

Ø 9 mm

Anthony

Brompton

DeBakey

Heparin



Tibbs

**Anthony**

Art.-No.	Ø	Length
18-0229	4 mm	27 cm/10½"

Brompton

Art.-No.	Ø	Length
18-0190	5 mm	29 cm/11½"

DeBakey

Art.-No.	Ø	Length
18-0200	9 mm	28 cm/11"

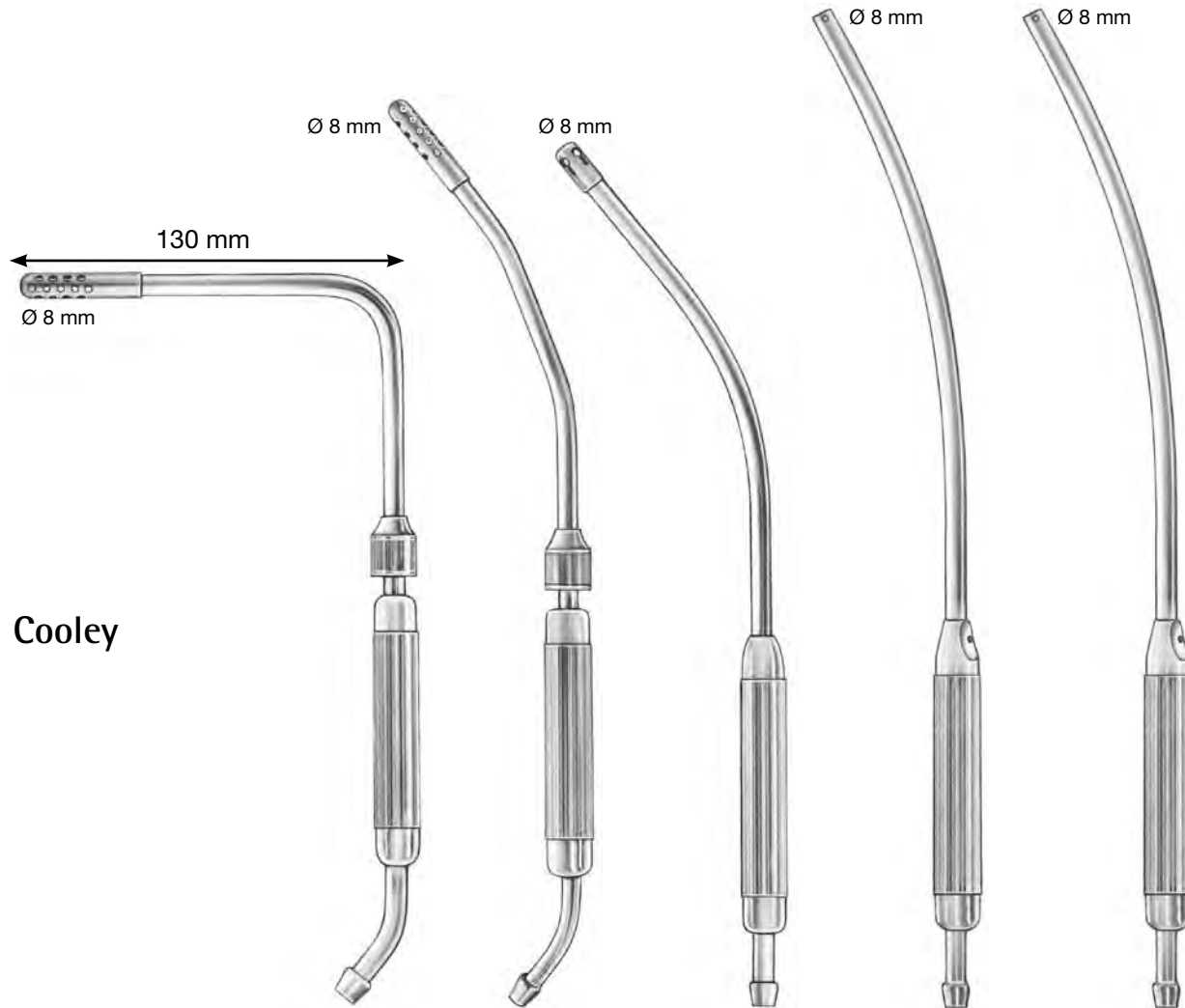
Heparin

Art.-No.	Ø	Length
18-0099	2 mm	45 mm
18-0100	3 mm	45 mm
18-0102	3.7 mm	55 mm
18-0104	5 mm	160 mm

Tibbs

Art.-No.	size	Fig.	Length
18-0280	small	A	58 mm
18-0281	small	B	58 mm
18-0282	large	C	58 mm
18-0283	large	D	58 mm
18-0284	Set of 4		

Suction Tubes



Cooley

Cooley Art.-No.	Ø	Length
18-0225	8 mm	25 cm/10"
18-0224	8 mm	33 cm/13"
18-0223	8 mm	30 cm/12"
18-0222	8 mm	31 cm/12¼"
18-0220	8 mm	36 cm/14¼"



Suction Tubes

DeBakey-Adson**Coronary Suction Tube**

Art.-No.	Length
18-4070	20 cm/8"
18-4072	16 cm/6¼"

Southampton**Pediatric Suction Tube**

Art.-No.	Length
18-0189	19.5 cm/7½"
18-0188	(fluted)

Braun-Ralph**Cardiac Suction Tube**

Art.-No.	Length	Ø
18-0233	31 cm/12¼"	7 mm
18-0233.05		5 mm
18-0233.03		3 mm

**DeBakey-Adson****Coronary Suction Tube**

Delicate 4 mm suction tube for coronary surgery with a 5 mm basket with 4 side openings at the distal tip. Tip permanently attached.

**Southampton****Pediatric Suction Tube**

Extra delicate 3 mm suction tube for pediatric cardiac surgery with a 3 mm tip with 4 side openings or a fluted tip.

**Braun-Ralph****Cardiac Suction Tube**

5 mm suction tube for cardiac surgery with long fluted tip.

Pediatric Suction Tubes



Morse-Andrews Suction Tube

6 mm diameter tip with one distal opening and 4 side openings mounted on a short 3 mm outside diameter tube.



Morse-Andrews Suction Tube

Art.-No.	Length
18-0205	26 cm/10¼"

Pediatric Suction Tubes

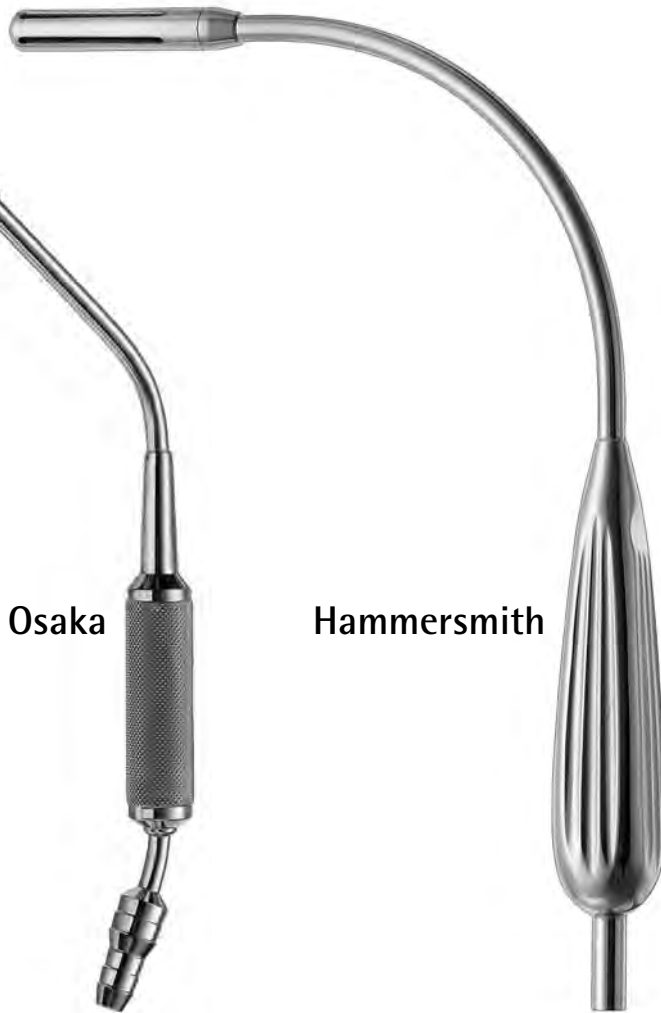
18-0425	3.0mm 21cm
18-0426	4.0mm 22.5cm
18-0427	4.0mm 24.5cm

- 18-0212 Senning Suction Tube
8mm basket tip 31cm
- 18-0420 Dissection Sucker and
Plaque Remover
27cm x 1.0mm
- 18-0430 HLM Suction with long
basket 28cm 6.9mm





Osaka



Hammersmith



Harley-Street

Osaka

Art.-No.	Ø	Length
18-0234	7 mm	27 cm/10½"

Hammersmith

Art.-No.	Length
18-0237	26.5 cm/10¼"

Harley-Street

Art.-No.	Length
18-0235	32 cm/12½"

Frazier

Suction Tube

Frazier Suction Tube

Art.-No.	Fig.	Ø	Length
18-4020	A	2.0 mm	17 cm/6½"
18-4021	A	2.7 mm	17 cm/6½"
18-4022	A	3.3 mm	17 cm/6½"
18-4023	A	4.0 mm	17 cm/6½"
18-4030	B	2.0 mm	13 cm/5"
18-4031	B	2.7 mm	13 cm/5"
18-4032	B	3.3 mm	13 cm/5"
18-4033	B	4.0 mm	13 cm/5"
18-4040	B	2.0 mm	17 cm/6½"
18-4041	B	2.7 mm	17 cm/6½"
18-4042	B	3.3 mm	17 cm/6½"
18-4043	B	4.0 mm	17 cm/6½"
18-4060	C	2.0 mm	17 cm/6½"
18-4061	C	2.7 mm	17 cm/6½"
18-4062	C	3.3 mm	17 cm/6½"
18-4063	C	4.0 mm	17 cm/6½"



A



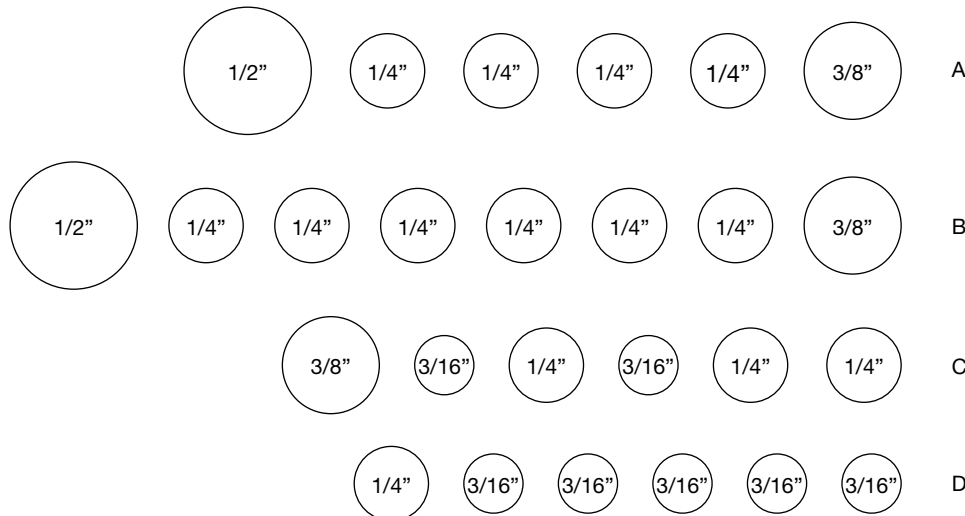
B



C



HLM Tube Holders



HLM Tube Holder

Art.-No.	Fig.	
77-8010	A	Adult
77-8011	B	Adult long
77-8015	C	Children
77-8020	D	Infants

**Ice Water Sucker**

18-0320

**Baylor
Sump Tubes****Art.-No.**

18-0300	90°	5 mm
18-0301	45°	5 mm
18-0305	90°	4 mm
18-0306	45°	4 mm

Baylor**Vena Cava Cannula**

18-0310 90° 4 mm

Ross**Atrial Basket**

Art.-No.	Tube I.D.	Length
18-4500	1/2"	29 mm
18-4501	3/8"	29 mm
18-4502	3/8"	19 mm
18-4503	1/4"	16 mm

Ross**Sump Sucker**

Art.-No.	Tube I.D.	Size
18-4505	3/16"	Adult
18-4506	3/16"	Child
18-4507	1/8"	Infant

Ross**Ventricular Vent**

Art.-No.	Tube I.D.	Size
18-4520	3/16"	Adult
18-4521	3/16"	Child
18-4522	1/8"	Infant

Ice Water Sucker

**Ross**

Atrial Basket

**Baylor**

Sump Tubes

**Ross**

Sump Sucker

**Baylor**

Vena Cava Cannula

**Ross**

Ventricular Vent





Ormond

Ventricular Drain Vent



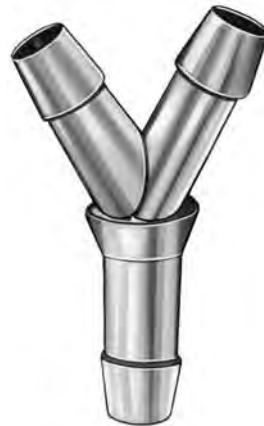
Straight connector for HLM +
Straight Reducer for HLM



Air Vent Needle



Y-connector for HLM



Air Vent Needle



Ventricular Vent Needle



Ormond

Ventricular Drain Vent

Art.-No.	Tube I.D.	Length
18-4511	1/4" (6 mm)	18 mm
18-4510	1/8" (3 mm)	10 mm

Air Vent Needle

Art.-No.	Tube I.D.	Size
18-4550	1/4" (6 mm)	18 ga.
18-4551	Luer-Lock	18 ga.

Straight connector for HLM

Art.-No.	Tube I.D.	
18-4562	1/2"	(12 mm)
18-4563	3/8"	(9 mm)
18-4564	1/4"	(6 mm)

Straight Reducer for HLM

18-4469	5/8" → 1/2"	(16 → 12 mm)
18-4470	5/8" → 3/8"	(16 → 9 mm)
18-4471	1/2" → 3/8"	(12 → 9 mm)
18-4472	1/2" → 1/4"	(12 → 6 mm)
18-4473	3/8" → 1/4"	(9 → 6 mm)
18-4474	1/4" → 3/16"	(6 → 4.7 mm)
18-4475	1/4" → 3/8"	(6 → 3 mm)
18-4476	3/16" → 1/4"	(8 → 6 mm)

Y-connector for HLM

Art.-No.	Size
18-4573	1/2" x 1/4" x 1/4"
18-4574	1/2" x 3/8" x 1/4"
18-4575	1/2" x 3/8" x 3/8"

Ventricular Vent Needle

Art.-No.	Needle Size	Length
18-4555	3 x 55 mm	95 mm



Vascular Punches



21-0603

21-0628

21-0615

21-0654

21-0662

**Reusable Vascular Punches**

Total length	13.5 cm	17.5 cm	25 cm
working length	6.5 cm	9 cm	16 cm

Tip size Ø	Short assembly	Medium assembly	Long assembly
3.0 mm	21-0603	21-0613	21-0623
4.0 mm	21-0604	21-0614	21-0624
4.5 mm		21-0614.45	21-0628
5.0 mm	21-0605	21-0615	21-0625
6.0 mm	21-0606	21-0616	

Triangular Vascular Punches, asymmetric ellipsoid blade

Art.-No.	Length	Size
21-0630	17 cm	3 mm
21-0631	17 cm	4 mm
21-0632	17 cm	5 mm
21-0633	17 cm	6 mm

Reusable Tissue Punches

Art.-No.	Length	Ø
21-0592	18 cm/7"	12 mm
21-0594	18 cm/7"	14 mm
21-0596	18 cm/7"	16 mm

Vascular Punches, sterile, single-use, (box of 20 pcs.)

Art.-No. 20 cm	Ø	Art.-No. 17 cm
21-0650	2.8 mm	21-0660
21-0651	3.6 mm	21-0661
21-0652	4.0 mm	21-0662
21-0653	4.4 mm	21-0663
21-0654	4.8 mm	21-0664
21-0655	5.2 mm	21-0665
21-0656	5.6 mm	21-0666
21-0657	6.0 mm	21-0667

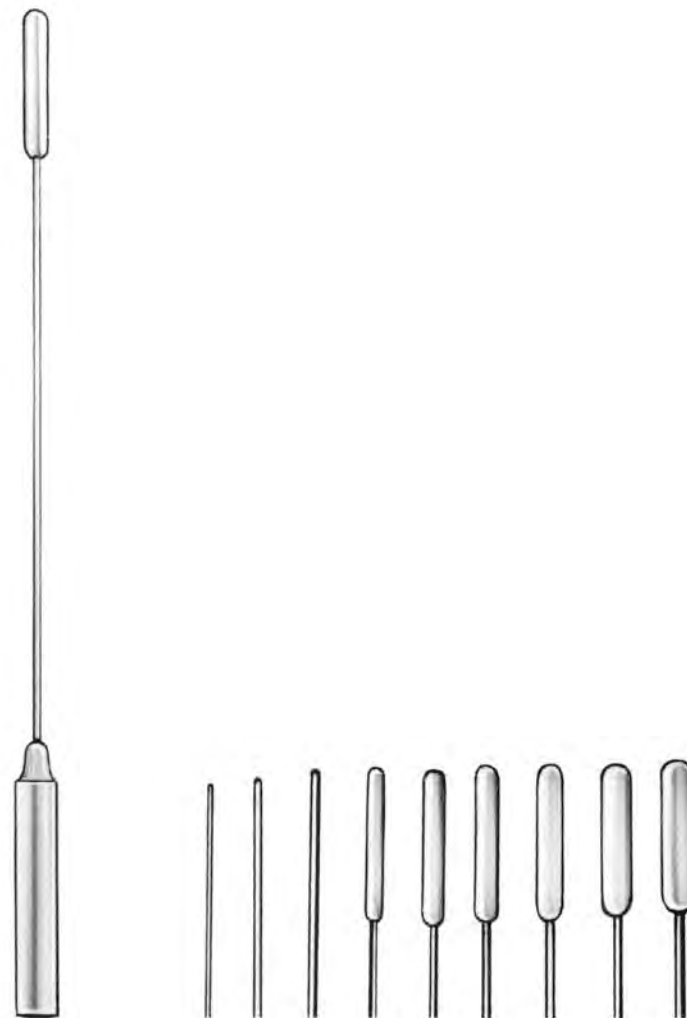
Garrett

Vascular Dilators

Garrett Vascular Dilators

Art.-No.	Ø	Length	Art.-No.	Ø	Length
21-0101	0.5 mm	14 cm/5½"	21-0108	4.0 mm	14 cm/5½"
21-0121	0.5 mm	19 cm/7½"	21-0128	4.0 mm	19 cm/7½"
21-0141	0.5 mm	21 cm/8¼"	21-0148	4.0 mm	21 cm/8¼"
21-0161	0.5 mm	35 cm/14"	21-0168	4.0 mm	35 cm/14"
21-0102	1.0 mm	14 cm/5½"	21-0109	4.5 mm	14 cm/5½"
21-0122	1.0 mm	19 cm/7½"	21-0129	4.5 mm	19 cm/7½"
21-0142	1.0 mm	21 cm/8¼"	21-0149	4.5 mm	21 cm/8¼"
21-0162	1.0 mm	35 cm/14"	21-0169	4.5 mm	35 cm/14"
21-0103	1.5 mm	14 cm/5½"	21-0110	5.0 mm	14 cm/5½"
21-0123	1.5 mm	19 cm/7½"	21-0130	5.0 mm	19 cm/7½"
21-0143	1.5 mm	21 cm/8¼"	21-0150	5.0 mm	21 cm/8¼"
21-0163	1.5 mm	35 cm/14"	21-0170	5.0 mm	16 cm/6¼"
21-0104	2.0 mm	14 cm/5½"	–	7.0 mm	14 cm/5½"
21-0124	2.0 mm	19 cm/7½"	21-0131	7.0 mm	19 cm/7½"
21-0144	2.0 mm	21 cm/8¼"	21-0151	7.0 mm	21 cm/8¼"
21-0164	2.0 mm	35 cm/14"	21-0171	7.0 mm	35 cm/14"
21-0105	2.5 mm	14 cm/5½"	–	9.0 mm	14 cm/5½"
21-0125	2.5 mm	19 cm/7½"	21-0132	9.0 mm	19 cm/7½"
21-0145	2.5 mm	21 cm/8¼"	21-0152	9.0 mm	21 cm/8¼"
21-0165	2.5 mm	35 cm/14"	21-0172	9.0 mm	35 cm/14"
21-0106	3.0 mm	14 cm/5½"	21-0100	Set	14 cm/5½"
21-0126	3.0 mm	19 cm/7½"	21-0120	Set	19 cm/7½"
21-0146	3.0 mm	21 cm/8¼"	21-0140	Set	21 cm/8¼"
21-0166	3.0 mm	35 cm/14"	21-0160	Set	35 cm/14"
21-0107	3.5 mm	14 cm/5½"			
21-0127	3.5 mm	19 cm/7½"			
21-0147	3.5 mm	21 cm/8¼"			
21-0167	3.5 mm	35 cm/14"			

Also available with soft silver wires on inquiry (add ".SI" behind the Art.-No.)



Cooley

Vessel Dilators with color-coded aluminium handle with extra thin steel wires or nitinol wires (memory-metal)



Instrument Cassettes



for 6 dilators

21-0118 203 x 114 x 15 mm



for 12 dilators

21-0119 203 x 114 x 30 mm

Cooley Length	Ø	Steel wire	Silver wire	Nitinol wire (memory)	Color code
20 cm/8"	0.5 mm	21-0050	21-0050.SI	21-0080	Black
20 cm/8"	1.0 mm	21-0051	21-0051.SI	21-0081	Red
20 cm/8"	1.5 mm	21-0052	21-0052.SI	21-0082	Blue
20 cm/8"	2.0 mm	21-0053	21-0053.SI	21-0083	Yellow
20 cm/8"	2.5 mm	21-0054	21-0054.SI	21-0084	Green
20 cm/8"	3.0 mm	21-0055	21-0055.SI	21-0085	Magenta
15 cm/6"	0.5 mm	21-0060	21-0060.SI	21-0070	Black
15 cm/6"	1.0 mm	21-0061	21-0061.SI	21-0071	Red
15 cm/6"	1.5 mm	21-0062	21-0062.SI	21-0072	Blue
15 cm/6"	2.0 mm	21-0063	21-0063.SI	21-0073	Yellow
15 cm/6"	2.5 mm	21-0064	21-0064.SI	21-0074	Green
15 cm/6"	3.0 mm	21-0065	21-0065.SI	21-0075	Magenta

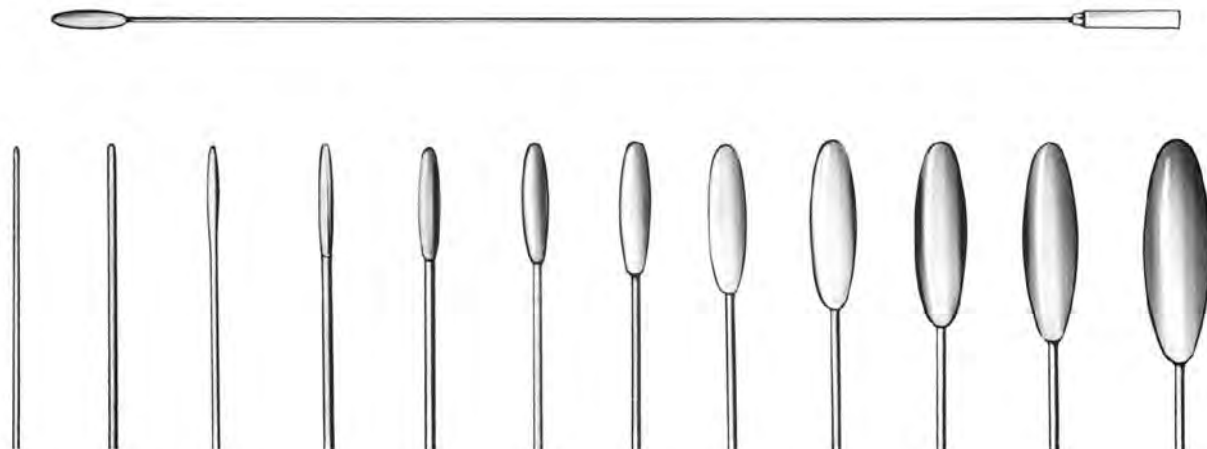


DeBakey

DeBakey

Art.-No.	Ø	Length
21-0200	1.0 mm	14 cm/5½"
21-0220	1.0 mm	19 cm/7½"
21-0201	1.5 mm	14 cm/5½"
21-0221	1.5 mm	19 cm/7½"
21-0202	2.0 mm	14 cm/5½"
21-0222	2.0 mm	19 cm/7½"
21-0203	2.5 mm	14 cm/5½"
21-0223	2.5 mm	19 cm/7½"
21-0204	3.0 mm	14 cm/5½"
21-0224	3.0 mm	19 cm/7½"
21-0205	4.0 mm	14 cm/5½"
21-0225	4.0 mm	19 cm/7½"
21-0206	5.0 mm	14 cm/5½"
21-0226	5.0 mm	19 cm/7½"
21-0207	6.0 mm	14 cm/5½"
21-0227	6.0 mm	19 cm/7½"
21-0208	7.0 mm	14 cm/5½"
21-0228	7.0 mm	19 cm/7½"
21-0209	8.0 mm	14 cm/5½"
21-0229	8.0 mm	19 cm/7½"
21-0210	9.0 mm	14 cm/5½"
21-0230	9.0 mm	19 cm/7½"
21-0211	10.0 mm	14 cm/5½"
21-0231	10.0 mm	19 cm/7½"
21-0215	Set of 12	14 cm/5½"
21-0235	Set of 12	19 cm/7½"

Also available with soft silver wires on inquiry (add ".SI" behind the Art.-No.)



Hegar

Dilators (double-ended)



Hegar

Dilators (single-ended)



Hegar

Dilators (double-ended)

Art.-No.	Ø	Length
21-8230	1.0/2.0 mm	20 cm/8"
21-8231	3.0/4.0 mm	20 cm/8"
21-8232	5.0/6.0 mm	20 cm/8"
21-8233	7.0/8.0 mm	20 cm/8"
21-8234	9.0/10.0 mm	20 cm/8"
21-8235	11.0/12.0 mm	20 cm/8"
21-8236	13.0/14.0 mm	20 cm/8"
21-8237	15.0/16.0 mm	20 cm/8"
21-8238	17.0/18.0 mm	20 cm/8"
21-8239	19.0/20.0 mm	20 cm/8"
21-8240	21.0/22.0 mm	20 cm/8"
21-8241	23.0/24.0 mm	20 cm/8"
21-8242	25.0/26.0 mm	20 cm/8"

Set of 8

21-8245	3.0/4.0 – 17.0/18.0 mm	20 cm/8"
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Hegar

Dilators (single-ended)

Art.-No.	Ø	Length
21-8201	1.0 mm	18.5 cm/7 1/4"
21-8202	2.0 mm	18.5 cm/7 1/4"
21-8203	3.0 mm	18.5 cm/7 1/4"
21-8204	4.0 mm	18.5 cm/7 1/4"
21-8205	5.0 mm	18.5 cm/7 1/4"
21-8206	6.0 mm	18.5 cm/7 1/4"
21-8207	7.0 mm	18.5 cm/7 1/4"
21-8208	8.0 mm	18.5 cm/7 1/4"
21-8209	9.0 mm	18.5 cm/7 1/4"
21-8210	10.0 mm	18.5 cm/7 1/4"
21-8211	11.0 mm	18.5 cm/7 1/4"
21-8212	12.0 mm	18.5 cm/7 1/4"
21-8213	13.0 mm	18.5 cm/7 1/4"
21-8214	14.0 mm	18.5 cm/7 1/4"
21-8215	15.0 mm	18.5 cm/7 1/4"
21-8216	16.0 mm	18.5 cm/7 1/4"
21-8217	17.0 mm	18.5 cm/7 1/4"
21-8218	18.0 mm	18.5 cm/7 1/4"
21-8219	19.0 mm	18.5 cm/7 1/4"
21-8220	20.0 mm	18.5 cm/7 1/4"
21-8221	21.0 mm	18.5 cm/7 1/4"
21-8222	22.0 mm	18.5 cm/7 1/4"
21-8223	23.0 mm	18.5 cm/7 1/4"
21-8224	24.0 mm	18.5 cm/7 1/4"
21-8225	25.0 mm	18.5 cm/7 1/4"
21-8226	26.0 mm	18.5 cm/7 1/4"



Standard

Redon Needle

Lockhart-Mummery

Standard

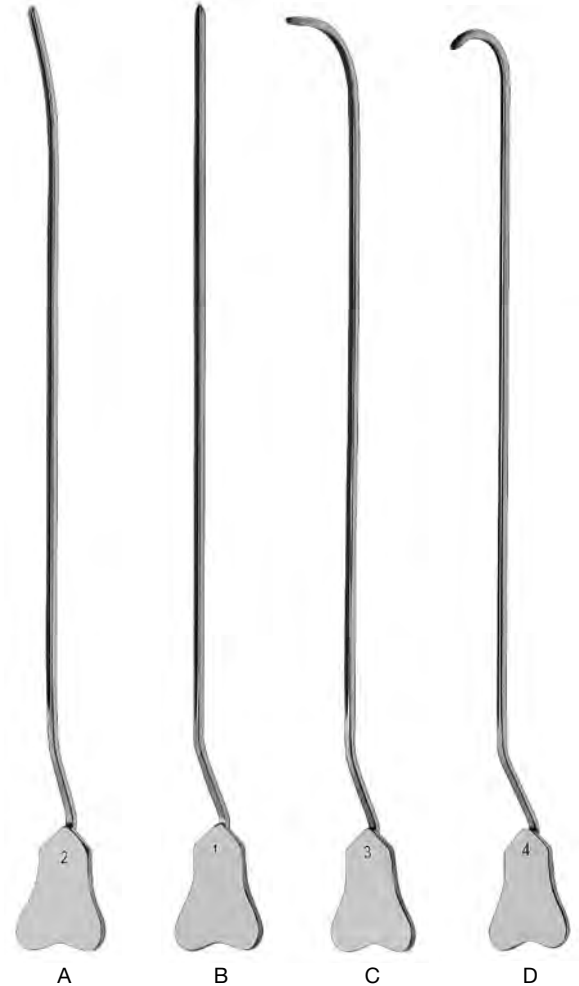
Art.-No.	Ø	Length
21-7200	1.0 mm	11.5 cm/4½"
21-7201	1.0 mm	13 cm/5"
21-7202	1.0 mm	14.5 cm/5¾"
21-7203	1.0 mm	16 cm/6¼"
21-7204	1.0 mm	18 cm/7"
21-7205	1.0 mm	20 cm/8"
21-7206	1.0 mm	25 cm/10"
21-7207	1.0 mm	30 cm/12"
21-7220	2.0 mm	11.5 cm/4½"
21-7221	2.0 mm	13 cm/5"
21-7222	2.0 mm	14.5 cm/5¾"
21-7223	2.0 mm	16 cm/6¼"
21-7224	2.0 mm	18 cm/7"
21-7225	2.0 mm	20 cm/8"
21-7226	2.0 mm	25 cm/10"
21-7227	2.0 mm	30 cm/12"

Redon Needle

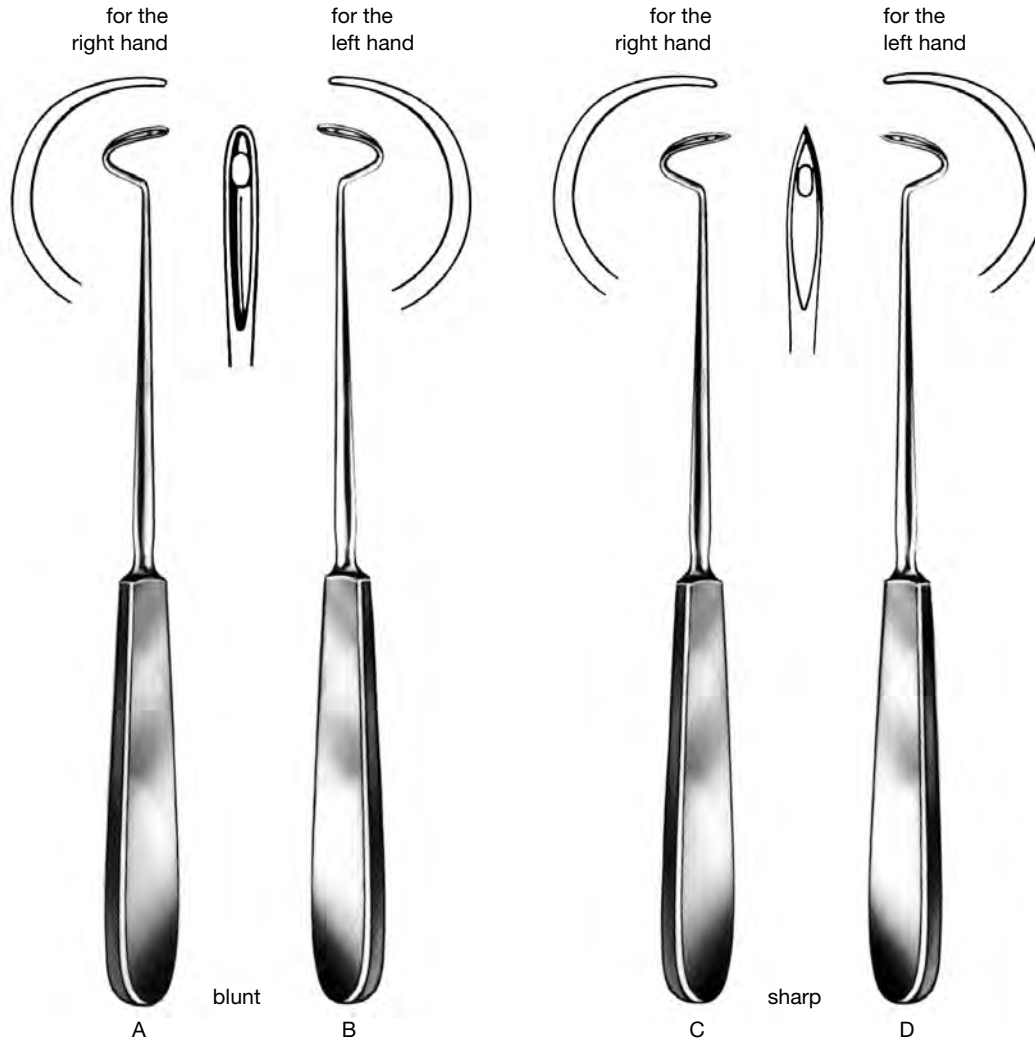
Art.-No.	Ch.
18-9800.08	8
18-9800.10	10
18-9800.12	12
18-9800.14	14
18-9800.16	16
18-9800.18	18

Lockhart-Mummery

Art.-No.	Fig.	Length
21-7301	A	17 cm/6½"
21-7302	B	17 cm/6½"
21-7303	C	17 cm/6½"
21-7304	D	17 cm/6½"



Deschamps



Deschamps blunt

Art.-No.	Fig.	Size	Length
24-9010	A	S	21 cm/8¼"
24-9020	A	M	21 cm/8¼"
24-9030	A	L	21 cm/8¼"
24-9015	B	S	21 cm/8¼"
24-9025	B	M	21 cm/8¼"
24-9035	B	L	21 cm/8¼"

sharp

24-9011	C	S	21 cm/8¼"
24-9021	C	M	21 cm/8¼"
24-9031	C	L	21 cm/8¼"
24-9016	D	S	21 cm/8¼"
24-9026	D	M	21 cm/8¼"
24-9036	D	L	21 cm/8¼"



Suture Catchers



without catch

Eyed stilette

with catch

Rumel-Belmont

Suture Catchers

Art.-No.	Ø
21-1220	1.5 mm
21-1221	2.0 mm
21-1222	2.5 mm
21-1223	3.0 mm

Rumel-Belmont without catch

Art.-No.	Ø
21-1200.OR	3.2 mm
21-1205.OR	6.4 mm

Eyed stilette

Art.-No.	Ø	Length
21-1203	3.2 mm	21 cm/8¼"
21-1208	6.4 mm	21 cm/8¼"

stilette also recommended
to catch sutures

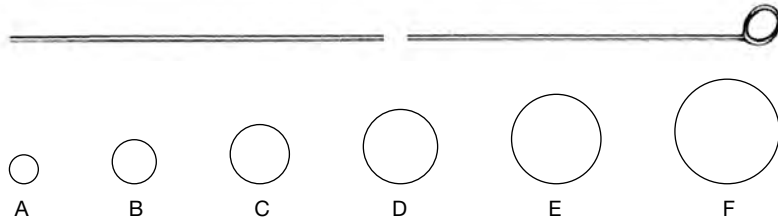
with catch

Art.-No.	Ø
21-1200	3.2 mm
21-1205	6.4 mm



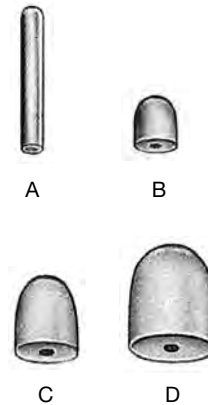
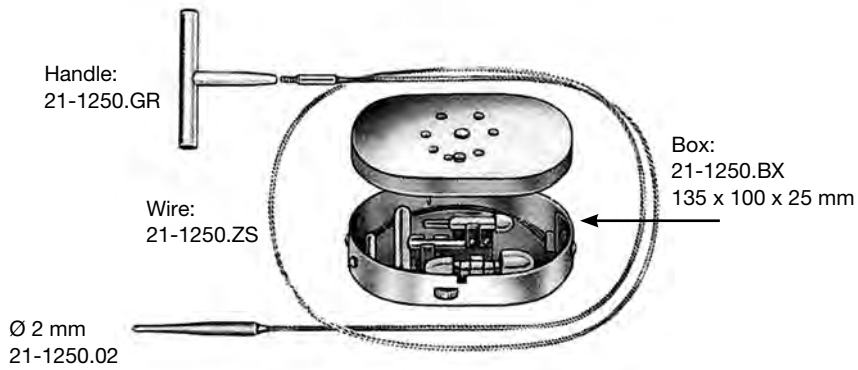


Endarterectomy Strippers



Handle only

Nabatoff



Endarterectomy Strippers

Art.-No.	Fig.	Ø	Length
03-5904	A	4 mm	50 cm/20"
03-5905	B	6 mm	50 cm/20"
03-5906	C	8 mm	50 cm/20"
03-5907	D	10 mm	50 cm/20"
03-5908	E	12 mm	50 cm/20"
03-5909	F	14 mm	50 cm/20"

03-5900	Handle only	12 cm/4½"
03-5910	Set complete	

Nabatoff

Art.-No.	Fig.	Ø
21-1250.03	A	3 mm
21-1250.06	B	6 mm
21-1250.09	C	9 mm
21-1250.12	D	12 mm

21-1250	Set complete
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Memory Aortic Valve Sizers

In aortic or mitral valve replacement, assessment of the native annular size and selection of the correspondingly sized prosthetic valve is necessary to achieve maximum hemodynamic performance.

With the dual-ended Memory Aortic Valve Sizer the diameter of the orifice can be determined precisely. The shaft of the instrument is made of Nitinol with thermal shape memory effect. Soft pressure allows the surgeon to shape the sizer to fit the patients geometry. The hollow ends allow a perfect view in the annulus. After heat sterilisation the sizer returns to its original straight shape.



03-5475 Memory Aortic Valve Sizers, complete Set of all 8 sizes

consisting of:

03-5477	18/20mm	25cm
03-5478	19/21mm	25cm
03-5479	22/24mm	25cm
03-5480	23/25mm	25cm
03-5481	26/28mm	25cm
03-5482	27/29mm	25cm
03-5483	30/32mm	25cm
03-5484	31/33mm	25cm



Maazouzi APS™ System



Maazouzi APS™ System Set, complete with solid stand and preparation plate

03-5454	11 mm-17 mm
03-5452	19 mm-25 mm
03-5453	27 mm-31 mm

Maazouzi APS™ Holder, complete with matrix, 3 stamps and spanner screw

Mini

03-5454.11	11 mm
03-5454.13	13 mm
03-5454.15	15 mm
03-5454.17	17 mm

Small

03-5452.19	19 mm
03-5452.21	21 mm
03-5452.23	23 mm
03-5452.25	25 mm

Large

03-5453.27	27 mm
03-5453.29	29 mm
03-5453.31	31 mm

Maazouzi APS™ Spanner Screw

03-5457

Preparation Plate

03-5449

Maazouzi APS™ Stamp (3 each required for 1 holder)

03-5455.11	11 mm
03-5455.13	13 mm
03-5455.15	15 mm
03-5455.17	17 mm
03-5455.19	19 mm
03-5455.21	21 mm
03-5455.23	23 mm
03-5455.25	25 mm
03-5455.27	27 mm
03-5455.29	29 mm
03-5455.31	31 mm

Maazouzi APS™ Matrix

03-5456.11	11 mm
03-5456.13	13 mm
03-5456.15	15 mm
03-5456.17	17 mm
03-5456.19	19 mm
03-5456.21	21 mm
03-5456.23	23 mm
03-5456.25	25 mm
03-5456.27	27 mm
03-5456.29	29 mm
03-5456.31	31 mm

Solid Stand

03-5447	mini 11-7 mm
03-5450	small 19-25 mm
03-5451	large 27-31 mm



Maazouzi APS™ Aortic Plasty Sizer for Total Aortic Plasty

With degeneration problems in bioprosthesis, issues of availability, preservation and cost of homografts the necessary anticoagulation and the problem of thromboembolism in mechanical valves, the search for the perfect valve prosthesis is not yet completely successful especially for the young patients.

Based on the positive results of numerous studies, a complete biological prosthesis is possible using autologous pericardium.

A better biocompatibility, nonexogenous material and usability in most cases – even calcified ones – create an increasing interest in using autologous pericardium for total aortic plasty amongst surgeons.

However, many authors had been discouraged so far due to the difficulty in using, handling and suturing this material.

The new GEISTER® Maazouzi APSTM System provides a full and versatile solution for such careful handling, measurement, sizing, cutting and suturing of autologous pericardium for total aortic plasty.

Developed in cooperation with Professor Wajih Maazouzi M.D., Ibn Sina Hospital, Rabat, Morocco.

Literature:

- DURAN Carlos M.D., et al: Aortic valve replacement with autologous pericardium: Surgical Technique J Card Surg. 1995; 10 : 1-9
- SOCROFANI Roberto, MD et al: The role of autologous pericardium in Cardiac Surgery: Ann Thorac Surg. 1997; 63 . 291-304
- DURAN Carlos M.D., et al: From aortic cusp extension to Valve Replacement with stentless pericardium Ann Thorac Surg. 1995; 60 : 428-432





Maazouzi APS™ Aortic Plasty Sizer – The Performing steps



STEP 1 – Preparing the pericardium on the plate.



STEP 2 – Pieces of pericardium are placed between the stamps of the device.



STEP 3 – The matrix and the spanner screw are then adjusted.



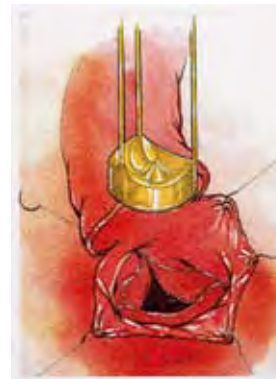
STEP 4 – Excess pericardium is cut leaving 5 mm of tissue for sutures.



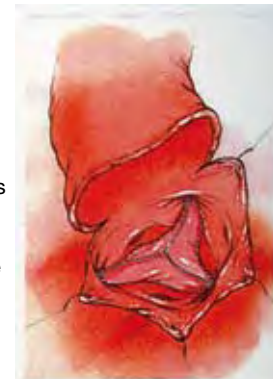
STEP 5 – Six running sutures are performed between the border of the neo-cusps and the annulus.



STEP 6 – At the level of the annulus, the running sutures are tightened and the stamps are pulled up.



STEP 7 – The matrix is the last element of the device to be removed.



STEP 8 – The coaptation of cusps is then analysed and tested. Preciseness of pericardium cutting

Ruler



Aorta Compressor



Ruler

Art.-No.	Length
05-0500	30 cm
05-0501	20 cm
05-0502	15 cm
05-0503	10 cm

Aorta Compressor

Art.-No.	Length
03-6560	35 cm/14"

Kamar

Annulus Dilator and Sizer

Art.-No.	Ø	Length
03-5400	17/18 mm	12.5 cm/5"
03-5401	19/20 mm	12.5 cm/5"
03-5402	21/22 mm	12.5 cm/5"
03-5403	23/24 mm	12.5 cm/5"
03-5404	25/26 mm	12.5 cm/5"
03-5405	27/28 mm	12.5 cm/5"

Kamar

Annulus Dilator and Sizer



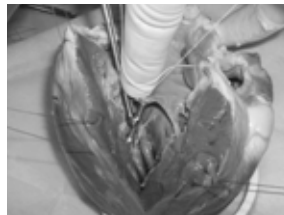
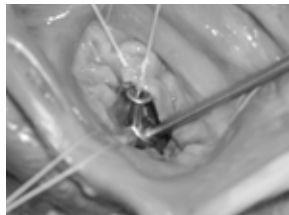
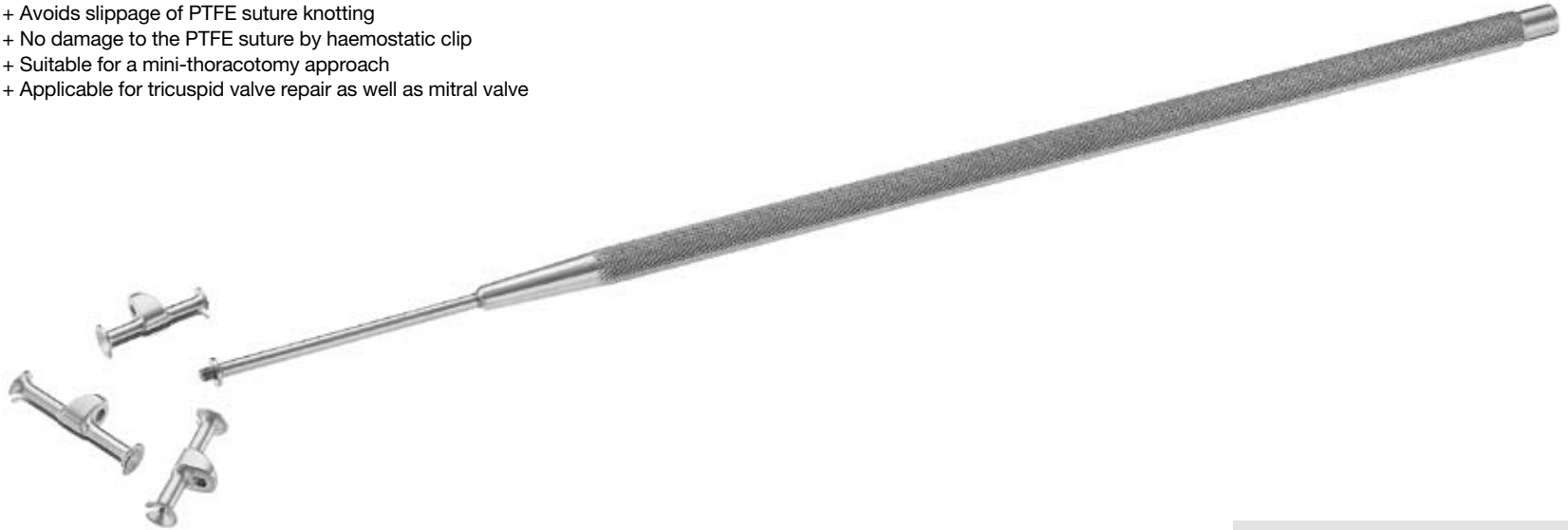
These aortic annular dilators and snaring technique allow for enlarging a narrow aortic annulus to two more sizes while saving fibrous continuity of the cardiac skeleton. Also usable as sizers for measurement.

Developed in cooperation with: Rifaat Kamar, MD, National Heart Institute, Cairo, Egypt

Stop-Slip Pipes for Neochordae Reconstruction

A new device to assist neo-chordal reconstruction in valve surgery*:

- + Premeasured mitral chordal reconstruction with changeable sizes
- + Avoids slippage of PTFE suture knotting
- + No damage to the PTFE suture by haemostatic clip
- + Suitable for a mini-thoracotomy approach
- + Applicable for tricuspid valve repair as well as mitral valve



Stop-Slip Pipes (without handle):

03-7020.18	18mm
03-7020.21	21mm
03-7020.24	24mm

**Stop-Slip Pipes,
complete set of 3 with handle**
03-7020

**Handle for Stop-Slip Pipes,
malleable**
03-7020.99

*As specified by Hikaru Matsuda, MD, PhD, FACS, Professor Emeritus Osaka University and President Hyogo University of Health Sciences, Japan

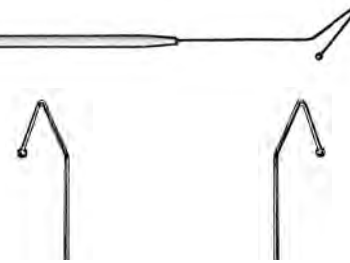


Internal Thoracic Artery Holder

for Coronary Artery Bypass Grafting



- minimized endothelial injury of the arterial conduit
- easy exposure of the heel
- precision in placing sutures with excellent visualization
- good patency at the anastomosis site
- also suitable for opening the side portion of the saphenous vein graft or opening the lumen of the proximal edge of a coronary arteriotomy and other applications during coronary surgery

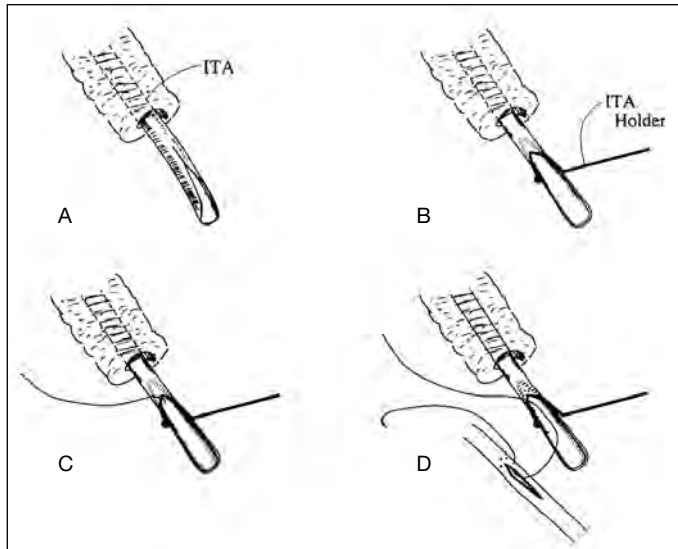


03-7000
I.T.A.

03-7001
I.T.A.



03-7100
Vena Saphena



This arterial graft holder was designed to facilitate coronary artery bypass grafting using arterial conduits. It is possible to open the heel of the arterial conduit and stitch the most difficult angle of the anastomosis under optimal visualization. This internal thoracic artery holder is atraumatic and protects the arterial conduit wall from crush injuries caused by vascular forceps.

Anastomosis without the endothelial injury may provide long-term patency of the coronary bypass graft.

Developed in cooperation with: Prof. H. Matsuda and Dr. H. Satoh, Osaka University Medical School, Osaka, Japan

- (A) An incision is made in the anterior wall of the internal thoracic artery (I.T.A.). The arterial conduit is placed on the side of the coronary arteriotomy. (B) The I.T.A. holder is inserted to the heel, (C) and then it is possible under good visualization to suture the arterial conduit with an outside-to-inside stitch. (D) The running suture is placed around the proximal angle.



Valve Inspection Mirror



Kobinia

Valvotome

This new instrument allows for cutting out valves and removing calcified tissue precisely and safely. Cutting is possible in both directions by means of two sharp edges. The blunt curved tip avoids accidental damages to the ventricular muscle, especially the septal portion, while cutting out severely calcified aortic

valves. The valvotome can also be used for the excision of a severely calcified mitral valve, minimizing the risk of damage to the circumflex artery. A smooth cut can be achieved directly at the field between the calcified and fibrous tissue.



Shannon „Tee“

Tourniquet Fixation Device



Valve Inspection Mirror

Art.-No.	Ø	Length
03-5690	20 mm	23 cm/9"

Kobinia Valvotome

Art.-No.	Length
16-1010	long 19 cm/7½"

Shannon „Tee“ Tourniquet Fixation Device

Art.-No.	
21-1300	Shannon "Tee"
21-1310	Pusher for Shannon "Tee"



21-0300

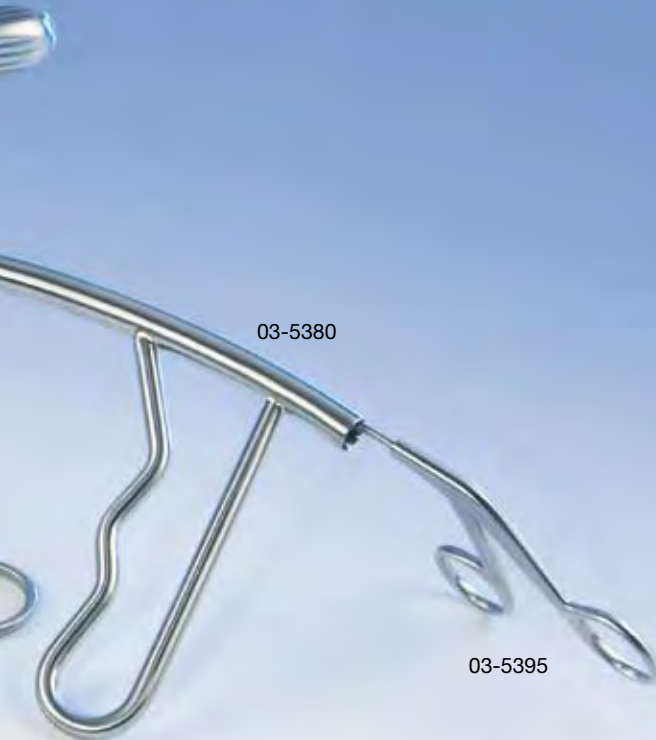
03-5365

03-5390

03-5375

34-7331L





03-5380

03-5395

Tunneling Tubes**straight**

03-5370	28 cm/11"
03-5375	38 cm/15¼"
03-5377	68 cm/26¼"

curved

03-5380	28 cm/11"
---------	-----------

Tunneling Forceps**straight**

03-5385	38 cm/15¼"
03-5390	48 cm/19¼"
03-5392	78 cm/30¾"

curved

03-5395	38 cm/15¼"
---------	------------

Bullet-Tunneler

Removeable bullet tip provides for maximum tissue protection while tunneling

03-5360.KA Spare Tip Bullet

Tunneling Tubes with bullet

03-5360	03-5365	03-5366	03-5367
30 cm/12"	40 cm/16"	50 cm/20"	70 cm/27½"

Tunneling Forceps

03-5385	03-5390	03-5391	03-5392
38 cm/15¼"	48 cm/19¼"	58 cm/22⅞"	78 cm/30¾"

DeBakey Tunneler

21-0300 50 cm / 20" Ø 15 mm

ThoraGate™ Hallmann Lung Grasper and Femoral Art.

Tunneling Forceps with ratchet, 37 cm, double action

34-7331L


 GEISTER®


16-0003 short
16-0023 long (not illustrated)



16-0013 with scala



16-0004 short
16-0014 long
(not illustrated)



16-1016 Diamond Knife 30°
21 cm/8¼"



16-0007 long
16-0017 short (not illustrated)



16-0100 round
16-0102 curved (not illustrated)



16-0190 Barron



16-0033 10.5 cm/6"
16-0033.10 10.5 cm/4"



3 9E
16-2009.E



10
16-2010



10A
16-2010.A



11
16-2011



12
16-2012



12D
16-2012.D



13
16-2013



3 14
16-2014



14E
16-2014.E



15
16-2015



15C
16-2015.C



15E
16-2015.E



16
16-2016



16E
16-2016.E

Scalpel Blades



3

17
16-2017

17E
16-2017.E

4

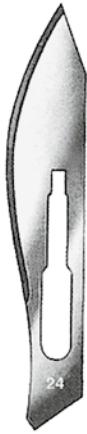
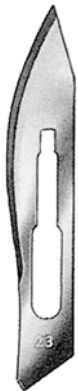
18
16-2018

19
16-2019

20
16-2020

21
16-2021

22
16-2022



4

23
16-2023

24
16-2024

25
16-2025

34
16-2034

36
16-2036

Mini Blades



61
16-2061

62
16-2062

65
16-2065

67
16-2067

Crile

Crile

Cushing

Adson

Adson

Crile
Art.-No. 30-0299
Length 14.5 cm/5½"

Crile
Art.-No. 30-0300
Length 20 cm/8"

Cushing
Art.-No. 30-0304
 30-0305
 30-0306
 30-0307
Length 19 cm/7½"
 19 cm/7½"
 28 cm/11"
 28 cm/11"

Adson sharp
Art.-No. 30-0315
Length 20 cm/8"

Adson blunt
Art.-No. 30-0316
Length 20 cm/8"



Smithwick



Hoehn



Blalock

Nerve, Vessel and
Suture Hook



Dandy



Sachs



Smithwick

Art.-No.	Length
30-0310	17 cm/6½"
30-0311	21 cm/8¼"

Hoehn

Art.-No.	Length
30-0275	22 cm/8½"

Blalock

Nerve, Vessel and Suture Hook

Art.-No.	Length
30-0301	24 cm/9½"

Dandy

Art.-No.	Length
30-0281	20 cm/8"

Sachs

Art.-No.	Length
30-0312	21 cm/8¼"

Moberg



Moberg



Zenker



Premie



Premie

**Moberg**

Art.-No.	Length	
30-0133	17.5 cm/6½"	12 x 5 mm

Moberg

Art.-No.	Length	
30-0138	17.5 cm/6½"	8 x 12 mm

Zenker

Art.-No.	Length	
30-0153	18.5 cm/7"	3 x 10 mm

Premie

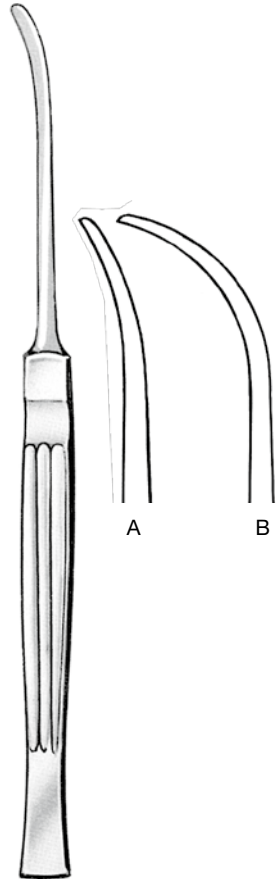
Art.-No.	Length	✘
41-1053	19 cm/7½"	90°

Premie with ball

Art.-No.	Length	✘
41-1015	19 cm/7½"	90°



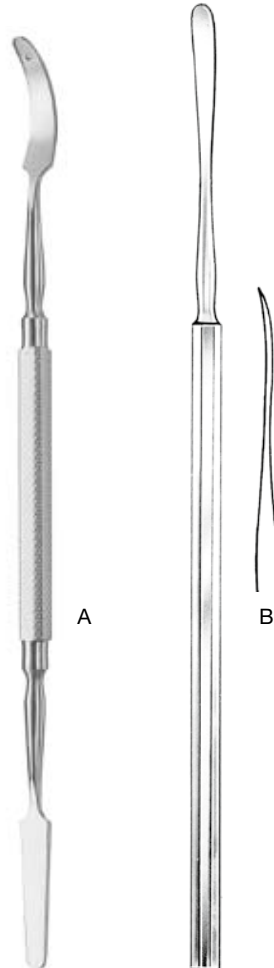
Lemmon



Watson-Cheyne



Mc Donald

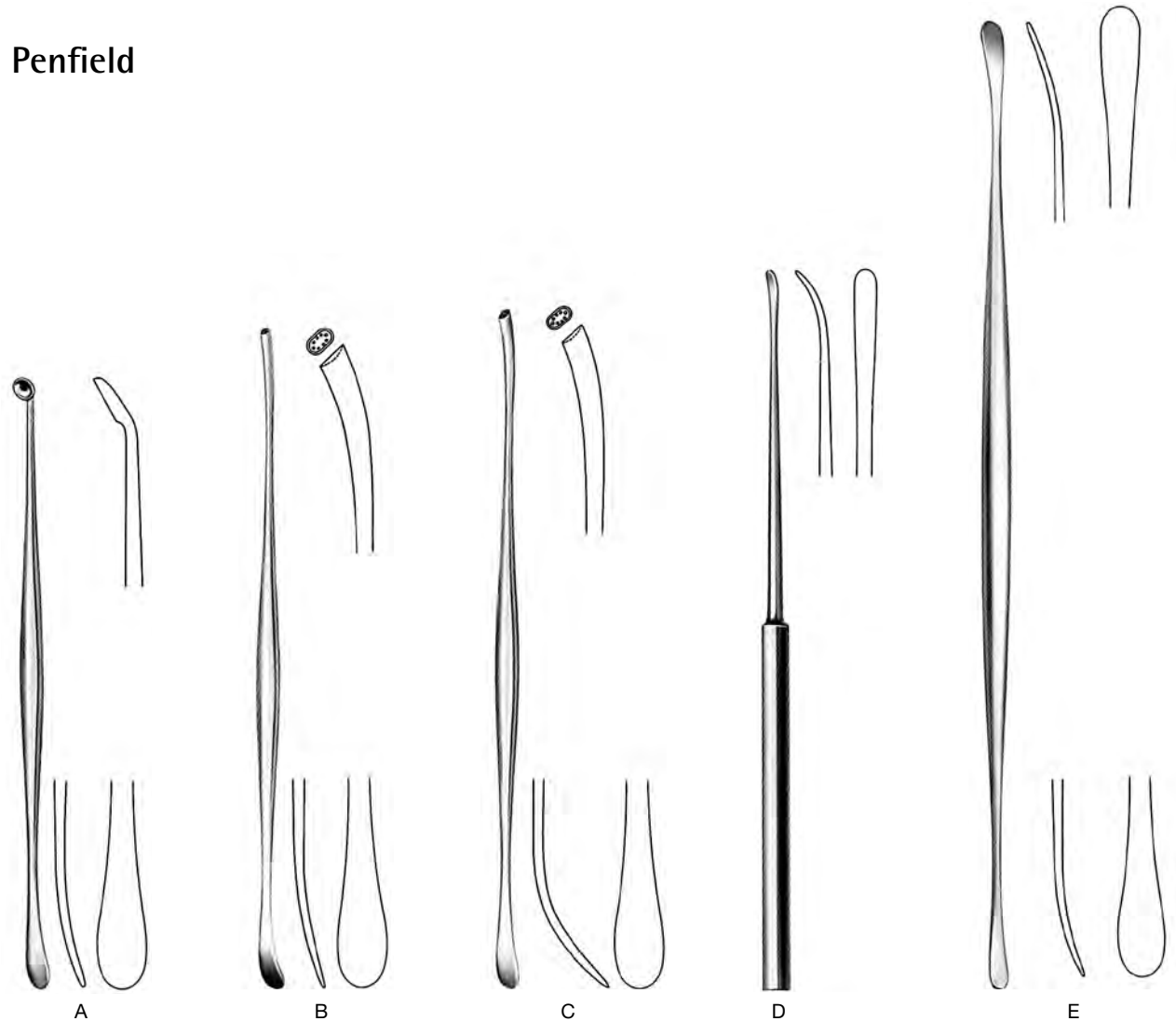


Robb



Lemmon		
Art.-No.	Fig.	Length
28-0050	A	17 cm/6½"
28-0055	B	17 cm/6½"
Watson-Cheyne		
Art.-No.		Length
28-0030		18 cm/7"
Mc Donald		
Art.-No.	Fig.	Length
28-0020	A	18 cm/7"
blunt		
28-0060	B	19 cm/7½"
28-0062	B	15 cm/6"
Robb		
Art.-No.		Length
28-0031.02	2.0/1.0 mm	24 cm/9½"
28-0031.03	3.0/1.5 mm	24 cm/9½"
28-0031.04	4.0/2.0 mm	24 cm/9½"
28-0031.05	5.0/2.5 mm	24 cm/9½"

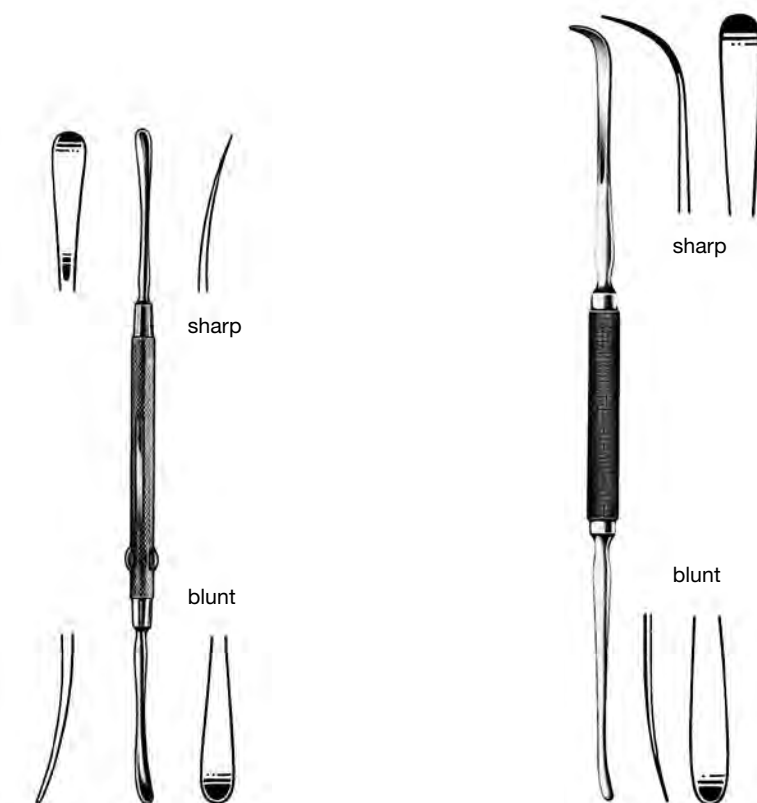
Penfield



Penfield

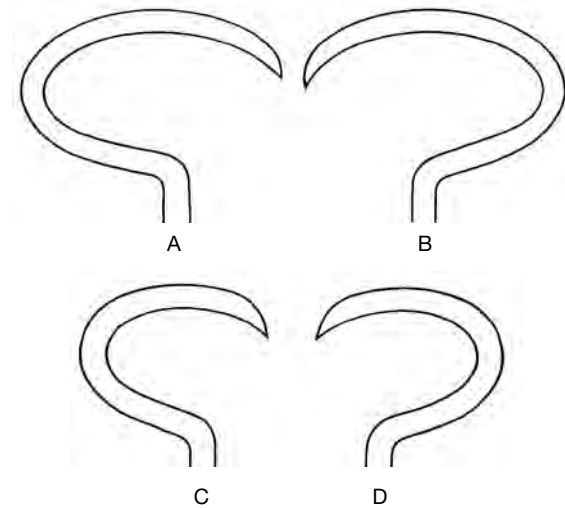
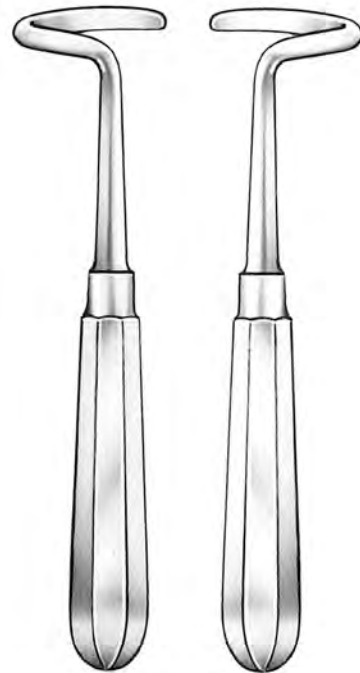
Art.-No.	Fig.	Length
28-0041	A	17.5 cm/6½"
28-0042	B	19.5 cm/7½"
28-0043	C	19.5 cm/7½"
28-0044	D	20.5 cm/8"
28-0045	E	29 cm/11½"

Freer



Freer
Art.-No.
28-0071
28-0072

Length
18 cm/7"
20 cm/8"

Doyen
Raspatories

Art.-No.	Fig.	Length
Doyen		
Raspatories		
for adults		
40-8230	A	17 cm/6½"
40-8240	B	17 cm/6½"
for children		
40-8235	C	17 cm/6½"
40-8245	D	17 cm/6½"

Semb

Raspatories



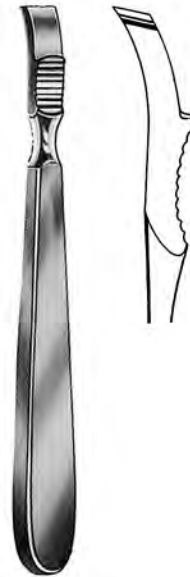
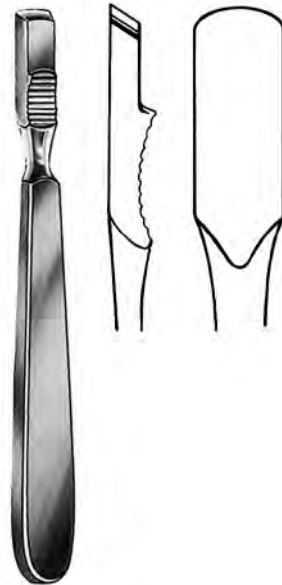
Semb Raspatories			
Art.-No.	Fig.	Length	
40-8202	A	22 cm/8½"	15 mm
40-8203	B	22 cm/8½"	15 mm
40-8204	C	22 cm/8½"	13 mm
40-8205	D	19.5 cm/7½"	18 mm
40-8206	E	21 cm/8¼"	12 mm
40-8207	F	19.5 cm/7½"	12 mm
40-8208	G	21.5 cm/8¼"	13 mm



Farabeuf

Farabeuf

Lambotte

**Farabeuf**

Art.-No.	Length	
40-8300	15 cm/6"	12.5 mm

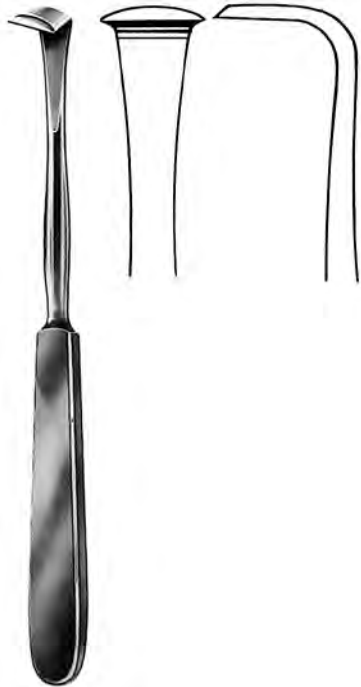
Farabeuf

Art.-No.	Length	
40-8305	15 cm/6"	12.5 mm

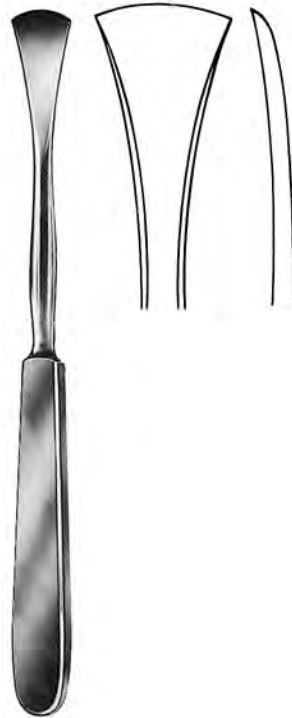
Lambotte

Art.-No.	
40-8345	5 mm
40-8350	10 mm
40-8355	15 mm
40-8360	20 mm
40-8365	25 mm

Langenbeck



Langenbeck

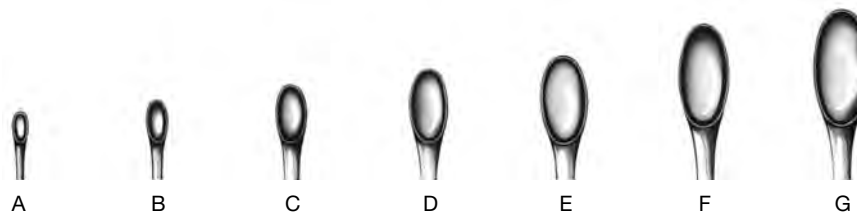
**Langenbeck**

Art.-No.	Length	
40-8380	18 cm/7"	14 mm

Langenbeck

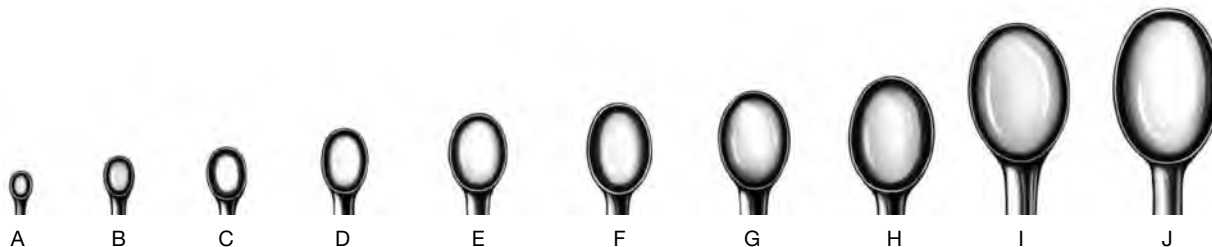
Art.-No.	Length	
40-8382	19 cm/7½"	16 mm

Schede

**Schede**

Art.-No.	Fig.	Length
40-7410	A	17 cm/6½"
40-7412	B	17 cm/6½"
40-7414	C	17 cm/6½"
40-7416	D	17 cm/6½"
40-7418	E	17 cm/6½"
40-7420	F	17 cm/6½"
40-7422	G	17 cm/6½"

Volkmann

**Volkmann**

Art.-No.	Fig.	Length
40-4432	A	17 cm/6½"
40-4434	B	17 cm/6½"
40-4436	C	17 cm/6½"
40-4438	D	17 cm/6½"
40-4440	E	17 cm/6½"
40-4442	F	17 cm/6½"
40-4444	G	17 cm/6½"
40-4446	H	17 cm/6½"
40-4448	I	17 cm/6½"
40-4450	J	17 cm/6½"

Bruns



A



B



C



D



E



F



G



H



I



J

Penfield

Art.-No.	Fig.	Length
40-4462	A	17 cm/6½"
40-4464	B	17 cm/6½"
40-4466	C	17 cm/6½"
40-4468	D	17 cm/6½"
40-4470	E	17 cm/6½"
40-4472	F	17 cm/6½"
40-4474	G	17 cm/6½"
40-4476	H	17 cm/6½"
40-4478	I	17 cm/6½"
40-4480	J	17 cm/6½"



Retractors

**Marberger
Vein and Aortic Valve Retractor**
Malleable

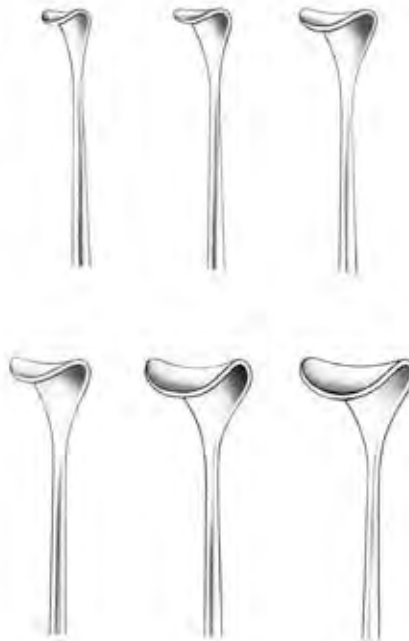
Art.-No.	Length	Width
30-0099	24 cm/9½"	4 mm
30-0100	24 cm/9½"	6 mm
30-0101	24 cm/9½"	8 mm
30-0102	24 cm/9½"	12 mm
30-0103	24 cm/9½"	15 mm
30-0104	24 cm/9½"	17 mm
30-0105	24 cm/9½"	20 mm
30-0106	24 cm/9½"	23 mm

**Cushing
Vein Retractor**
Not Malleable

Art.-No.	Length	Width
30-0121	24 cm/9½"	8 mm
30-0122	24 cm/9½"	10 mm
30-0123	24 cm/9½"	12 mm
30-0124	24 cm/9½"	14 mm
30-0125	24 cm/9½"	16 mm
30-0126	24 cm/9½"	18 mm

Atrial Wire Retractor

Art.-No.	Length	Width
30-0140	24 cm	14 mm
30-0141	24 cm	17 mm
30-0142	24 cm	20 mm



Marberger
Vein and Aortic Valve Retractor



Cushing
Vein Retractor



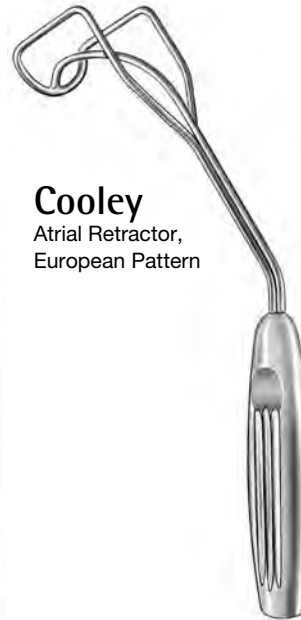
Atrial
Wire Retractor

Davidson

Scapula Retractors



Atrial Retractor,
USA Pattern



Cooley

Atrial Retractor,
European Pattern

Davidson Spatula Retractors

Art.-No.	Length	Size
30-0350	16 cm/6 1/4"	75 x 50 mm
30-0352	16 cm/6 1/4"	75 x 90 mm

Atrial Retractor, USA Pattern

Art.-No.	Length	Bending
30-0410	45 x 50 mm	right, deep
30-0411	18 x 30 mm	right
30-0413	35 x 38 mm	right
30-0414	45 x 48 mm	right
30-0417	17 x 19 mm	left
30-0416	38 x 19 mm	left
30-0415	45 x 20 mm	left

Cooley Atrial Retractor, European Pattern

Art.-No.	Length	Bending
30-0400	45 x 45 mm	right
30-0402	45 x 45 mm	right serrated
30-0404	15 x 45 mm	left

**Valve Leaflet**

Art.-No.	Length	Size mm
30-0354	21 cm/8¼"	7/10

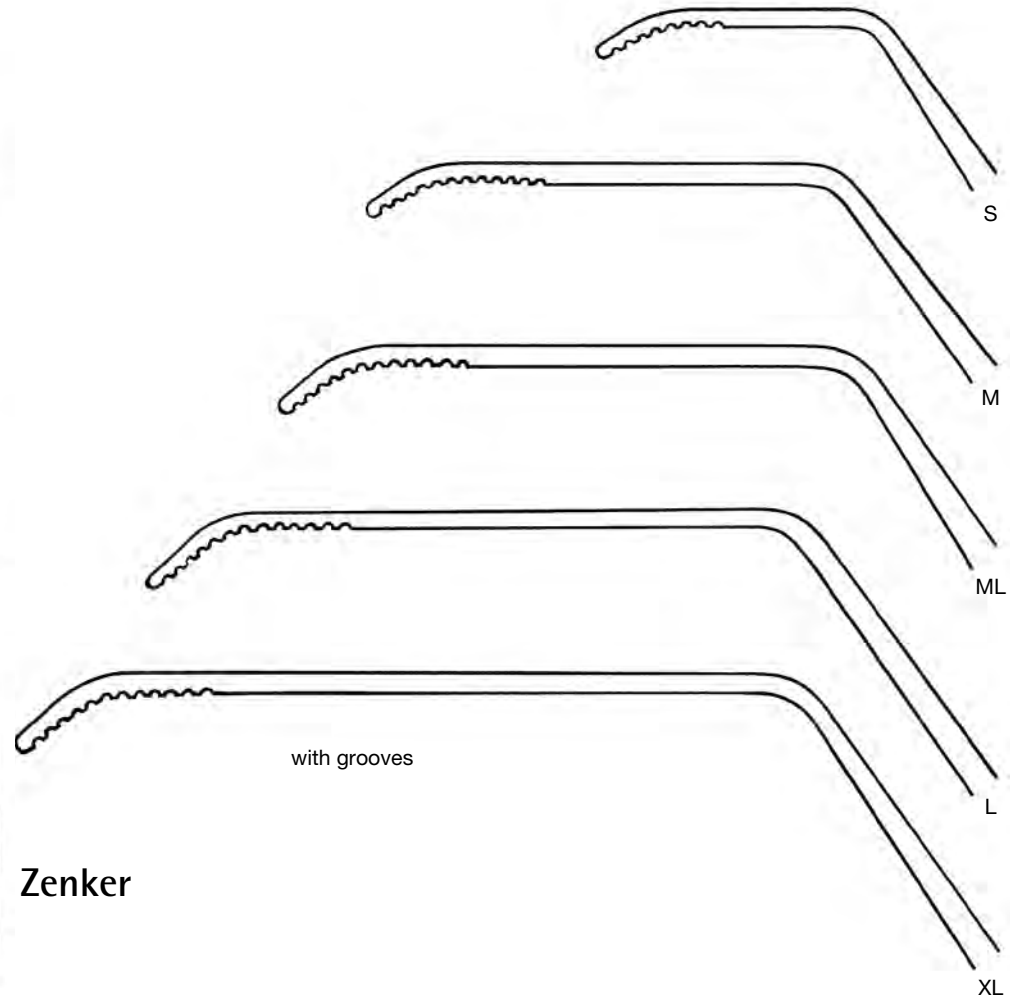
Zenker

Art.-No.	Fig.	Size mm
30-0200	S	35 x 8
30-0201	M	60 x 12
30-0202	ML	75 x 12
30-0203	L	85 x 20
30-0204	XL	100 x 25



Valve Leaflet

Zenker



with grooves

XL



Aortic Valve Retractors

Shaft malleable
270 mm/10 $\frac{3}{4}$ "



Ross
Aortic Hooks



Blanco
Valve Leaflet Retractor

Aortic Valve Retractors

Art.-No.

30-0388.01	17 x 21 mm
30-0388.02	16 x 23 mm
30-0388.03	20 x 25 mm
30-0388.04	24 x 27 mm
30-0388.05	28 x 20 mm
30-0388.06	28 x 29 mm

Ross

Aortic Hooks

Art.-No.	Fig	Length cm/"	Size mm
30-0390	1	24/9 $\frac{1}{2}$	16 x 15
30-0391	2	24/9 $\frac{1}{2}$	23 x 13
30-0392	3	24/9 $\frac{1}{2}$	24 x 16
30-0393	4	24/9 $\frac{1}{2}$	27 x 13
30-0394	5	24/9 $\frac{1}{2}$	27 x 27
30-0395	6	24/9 $\frac{1}{2}$	25 x 39

Blanco

Valve Leaflet Retractor

Art.-No.	Length	Width
30-0090	28 cm/11"	5 mm
30-0091	28 cm/11"	7 mm
30-0092	28 cm/11"	10 mm

**Crawford****Aortic Hooks**

Art.-No.	Fig	Lenght cm/''	Size mm
30-0355	1	19/7 ½	15 x 15
30-0356	2	19/7 ½	15 x 23

Harrington**Splanchnic Retractor**

Art.-No.	
30-0365	127 x 40 mm
30-0366	127 x 62 mm

Allison**Lung Spatulas**

Art.-No.	Lenght cm/''	Size mm
30-0360	32/12 ½	for adults
30-0361	26/10 ¼	for children



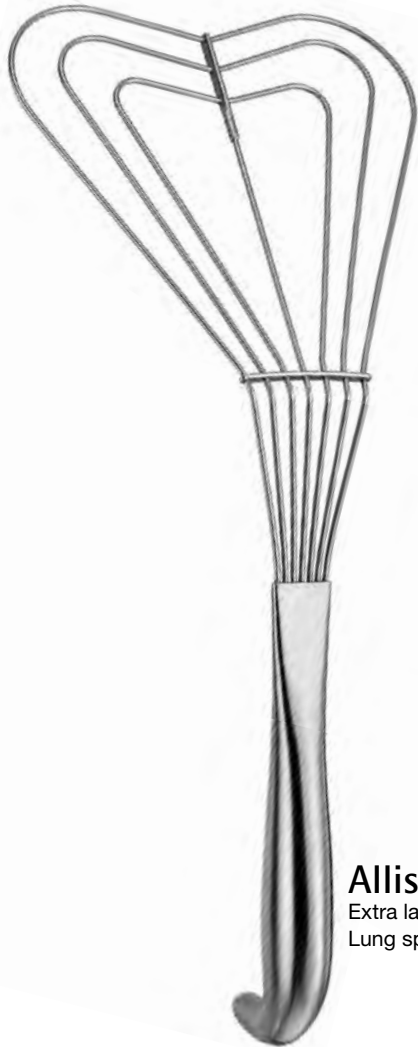
Crawford
Aortic Hooks



Harrington
Splanchnic Retractor



Allison
Lung Spatulas



Allison
Extra large
Lung spatula



Slade
Baby-Allison
Lung Spatula



Walton
Copper Retractors/
Abdominal Spatulas

Allison

Extra large Lung spatula

Art.-No.	Length	Size mm
30-0362	30 cm/12"	137

Slade

Baby-Allison Lung Spatula

Art.-No.	L
30-0363	42 mm
30-0364	23 mm

Walton

Copper Retractors/ Abdominal Spatulas

Art.-No.	Length	Size mm
30-0530	20 cm/8"	6
30-0531	20 cm/8"	8
30-0532	20 cm/8"	10
30-0533	20 cm/8"	12
30-0534	20 cm/8"	17
30-0535	20 cm/8"	20
30-0536	20 cm/8"	25
30-0537	25 cm/10"	25
30-0520	33 cm/13"	20
30-0521	33 cm/13"	25
30-0522	33 cm/13"	30
30-0523	33 cm/13"	35
30-0524	33 cm/13"	40
30-0525	33 cm/13"	50
30-0527	33 cm/13"	75



Tudor-Edwards (UK)
Scapular Retractor



Brock's (UK)
Erector Spinae/
Back End Retractor



Brompton (UK)
Erector Spinae/
Back End Retractor

Tudor-Edwards (UK)

Scapular Retractor

Art.-No.	Length	Size mm
30-0495	16.5 cm/6½"	45 x 50

Brock's (UK)

Erector Spinae/Back End Retractor

Art.-No.	Length	Size mm
30-0497	19 cm/7½"	13 x 29

Brompton (UK)

Erector Spinae/Back End Retractor

Art.-No.	Length	Size mm
30-0496	19 cm/7½"	13 x 26



Cleland's (UK)
Valve Leaflet Retractor



Brock's (UK)
Atrial Retractors



Langenbeck (UK)
Retractors

Cleland's (UK)
Valve Leaflet Retractor

Art.-No.	Length	Size
30-0494	25 cm/10"	10 mm

Brock's (UK)
Atrial Retractors

Art.-No.	Length	Size
30-0397	19 cm/7½"	5 mm
30-0398	19 cm/7½"	10 mm
30-0399	19 cm/7½"	12 mm

Langenbeck (UK)
Retractors

Art.-No.	Length	Size
30-0005	20.5 cm/8"	6 x 22 mm
30-0006	20.5 cm/8"	12 x 45 mm
30-0007	20.5 cm/8"	25 x 62 mm
30-0008	20.5 cm/8"	18 x 90 mm



Deaver



Art.-No.	Fig.	Length	Size mm
30-0371	000	19 cm/7½"	19 mm
30-0372	00	22 cm/8½"	22 mm
30-0373	0	25 cm/10"	25 mm
30-0374	1	30 cm/12"	25 mm
30-0375	2	33 cm/13"	25 mm
30-0376	2½	36 cm/14¼"	25 mm



Deaver Art.-No.	Fig.	Length	Size mm
30-0377	3	30 cm/12"	38 mm
30-0378	4	30 cm/12"	50 mm
30-0379	5	30 cm/12"	75 mm

**Richardson-Eastman**

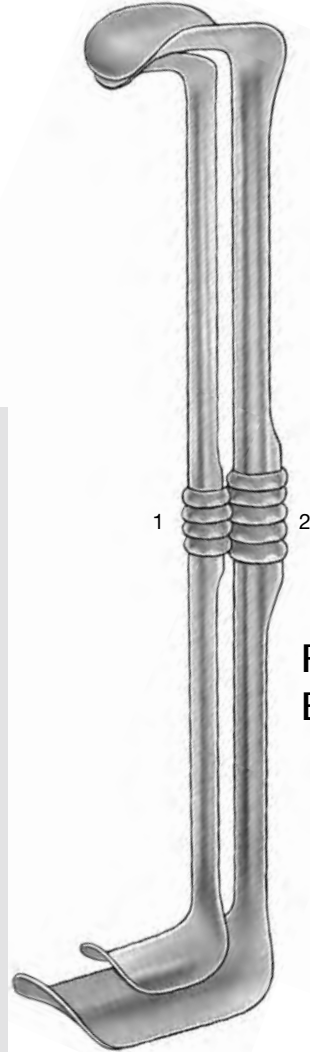
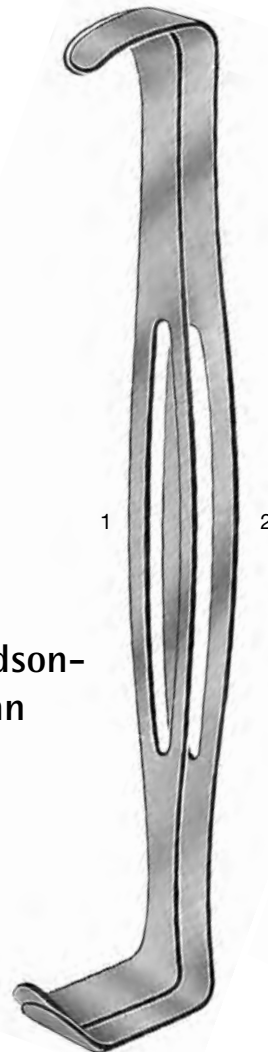
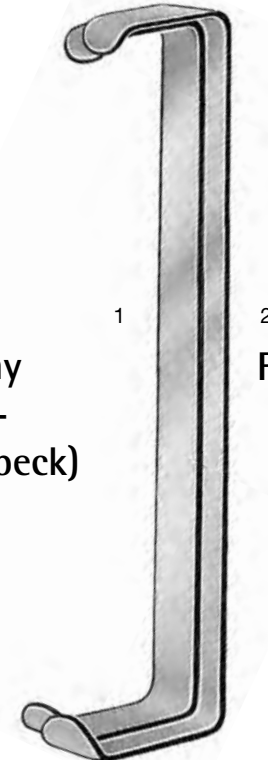
Art.-No.	Fig.	Length	Size mm
30-0470	1	25 cm/10"	28 x 20
		25 cm/10"	36 x 28
	2	27 cm/10¾"	49 x 38
		27 cm/10¾"	71 x 43

US-Army (Parker-Langenbeck)

Art.-No.	Fig.	Length	Size mm
30-0490	1	21 cm/8¼"	21 x 24
		21 cm/8¼"	40 x 15
	2	21 cm/8¼"	25 x 24
		21 cm/8¼"	45 x 15

Farabeuf

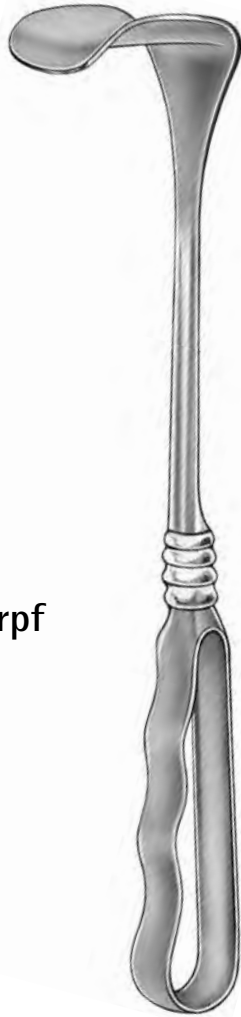
Art.-No.	Fig.	Length	Size mm
30-0485	1	15 cm/6"	26 x 10
		15 cm/6"	30 x 13
	2	15 cm/6"	30 x 10
		15 cm/6"	34 x 13
30-0486	1	15 cm/6"	23 x 16
		15 cm/6"	27 x 16
	2	15 cm/6"	26 x 16
		15 cm/6"	30 x 16

Richardson-
EastmanUS-Army
(Parker-
Langenbeck)

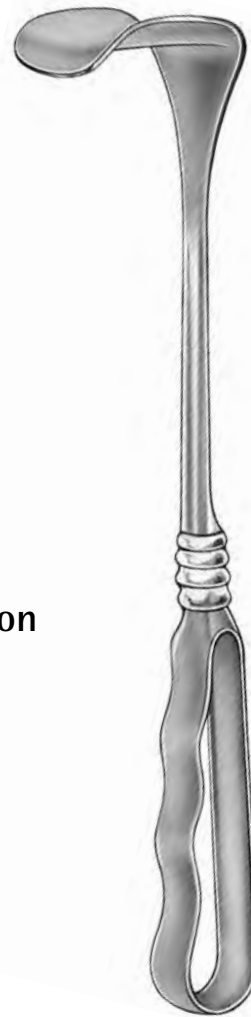
Farabeuf



Middeldorf



Richardson



Kelly

Middeldorf

Art.-No.	Length	Size mm
30-0195	21.5 cm/8¼"	14 x 17
30-0196	22.0 cm/8½"	20 x 22
30-0197	23.5 cm/9"	26 x 30

Richardson

Art.-No.	Length	Size mm
30-0471	24 cm/9½"	28 x 20
30-0472	24 cm/9½"	36 x 28
30-0473	24 cm/9½"	44 x 38
30-0474	24 cm/9½"	52 x 22

Kelly

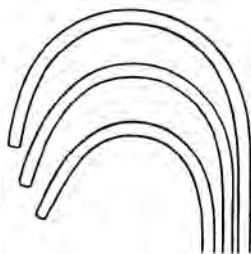
Art.-No.	Length	Size mm
30-0475	26 cm/10¼"	65 x 50



30-0480.03

30-0480.02

30-0480.01

**Desmarres**

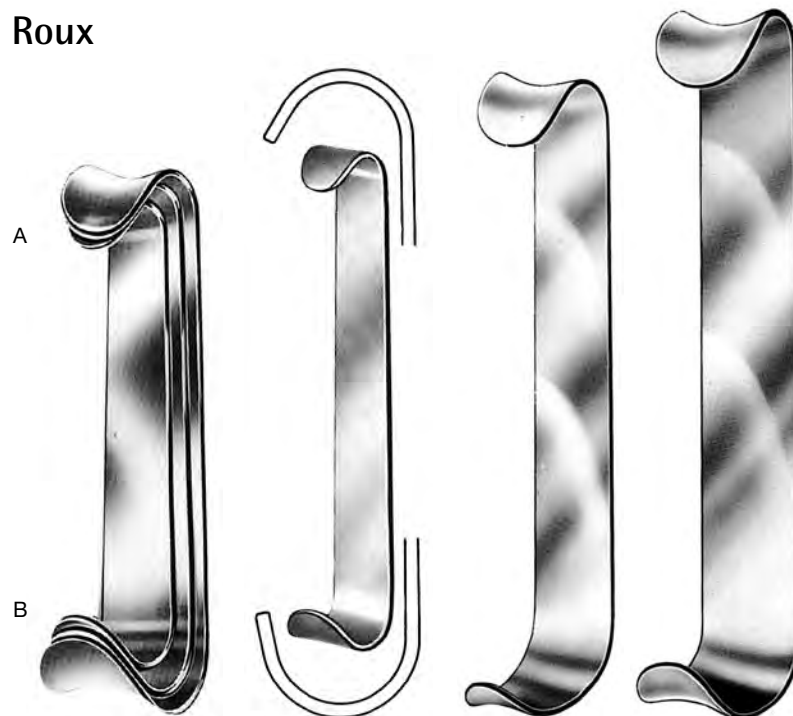
Art.-No.	Length	Size mm
30-0080	13 cm/5"	8
30-0081	13 cm/5"	10
30-0082	13 cm/5"	12
30-0083	13 cm/5"	14
30-0084	13 cm/5"	16
30-0085	13 cm/5"	18

Roux

Art.-No.	Fig.	Length	Size mm
30-0480	1-3	16.5 cm/6 1/4"	
30-0480.01	A	16.5 cm/6 1/4"	20 x 22
	B	16.5 cm/6 1/4"	25 x 28
30-0480.02	A	16.5 cm/6 1/4"	23 x 26
	B	16.5 cm/6 1/4"	29 x 38
30-0480.03	A	16.5 cm/6 1/4"	29 x 29
	B	16.5 cm/6 1/4"	34 x 44
30-0483	A	13 cm/5"	15 x 15
	B	13 cm/5"	18 x 21
30-0481	A	16.5 cm/6 1/4"	28 x 23
	B	16.5 cm/6 1/4"	43 x 23
30-0482	A	18 cm/7"	28 x 27
	B	18 cm/7"	45 x 27

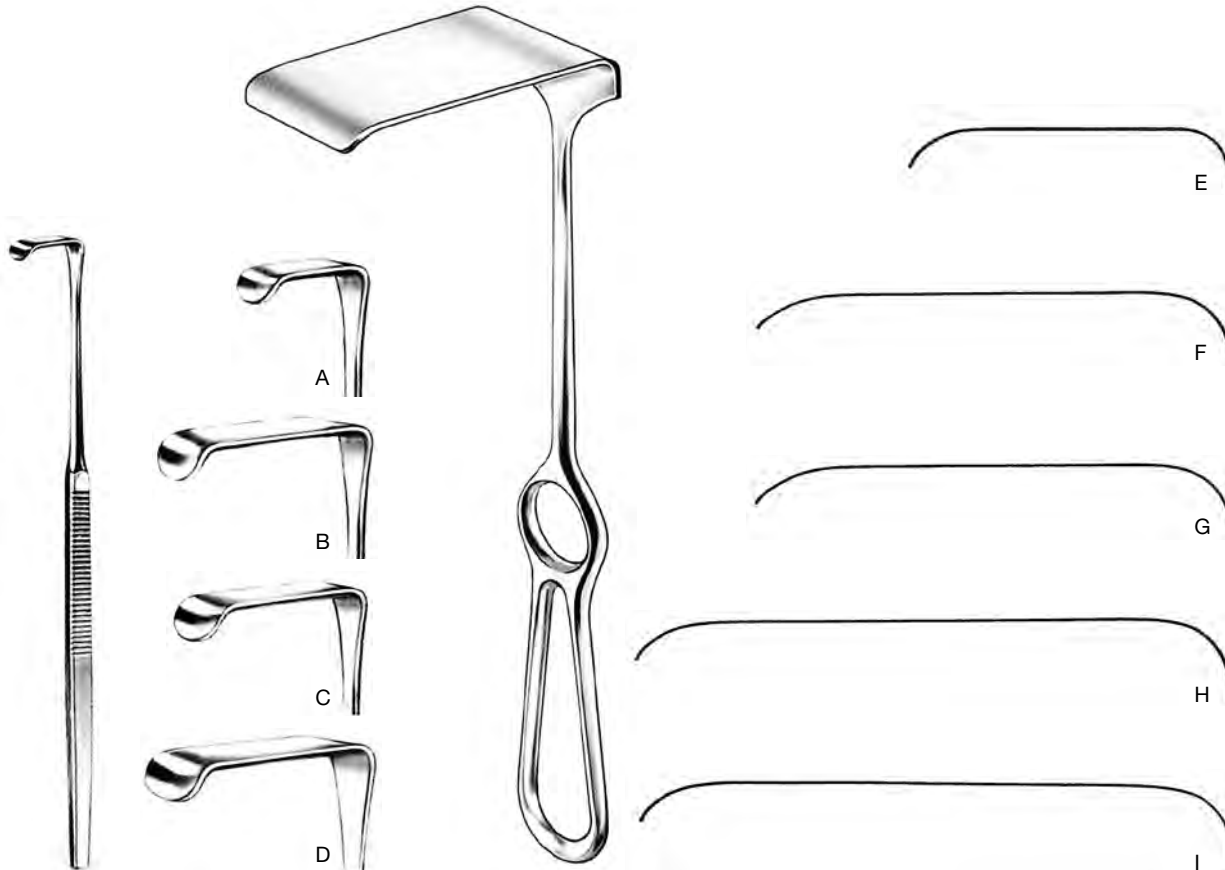
Mini Roux

Art.-No.	Length
30-0484	15 cm/6"

Desmarres**Roux****Mini-Roux**

Mini-Langenbeck

Kocher

**Mini-Langenbeck**



















Art.-No.	Fig.	Length	Size mm
30-0001	A	16 cm/6¼"	10 x 6
30-0002	B	16 cm/6¼"	20 x 6
30-0003	C	16 cm/6¼"	17 x 5
30-0004	D	16 cm/6¼"	22 x 8

Kocher

Art.-No.	Fig.	Length	Size mm
30-0054	E	23 cm/9"	40 x 18
30-0055	F	23 cm/9"	60 x 20
30-0056	G	23 cm/9"	60 x 25
30-0057	H	23 cm/9"	75 x 30
30-0058	I	23 cm/9"	75 x 40




Volkmann

		9 x 8 mm	9 x 13 mm	9 x 19 mm	9 x 29 mm	9 x 40 mm
sharp						
		30-1510 21.5 cm	30-1511 21.5 cm	30-1512 21.5 cm	30-1513 21.5 cm	30-1514 21.5 cm
blunt						
		30-1530 21.5 cm	30-1531 21.5 cm	30-1532 21.5 cm	30-1533 21.5 cm	30-1534 21.5 cm
semi-blunt						
		30-1520 21.5 cm	30-1521 21.5 cm	30-1522 21.5 cm	30-1523 21.5 cm	30-1524 21.5 cm



Kocher

		15 x 10 mm	15 x 15 mm	15 x 20 mm	15 x 30 mm	15 x 40 mm
sharp						
		30-1540 21.5 cm	30-1541 21.5 cm	30-1542 21.5 cm	30-1543 21.5 cm	30-1544 21.5 cm
blunt						
		30-1560 21.5 cm	30-1561 21.5 cm	30-1562 21.5 cm	30-1563 21.5 cm	30-1564 21.5 cm
semi-blunt						
		30-1550 21.5 cm	30-1551 21.5 cm	30-1552 21.5 cm	30-1553 21.5 cm	30-1554 21.5 cm



30-0019
21.5 cm, 25 x 6 mm
1



30-0020
21.5 cm, 25 x 8 mm
2



30-0021
21.5 cm, 35 x 8 mm
3



30-0022
21.5 cm, 35 x 11 mm
4



30-0023
21.5 cm, 35 x 15 mm
5



30-0024
21.5 cm, 40 x 11 mm
6



30-0025
21.5 cm, 55 x 11 mm
7



30-0026
21.5 cm, 70 x 14 mm
8



30-0027
21.5 cm, 80 x 12 mm
9



30-0028
21.5 cm, 80 x 16 mm
10

Kocher-Langenbeck



Langenbeck



30-0009
21 cm, 20 x 7 mm
0



30-0010
21 cm, 30 x 11 mm
1



30-0011
21 cm, 30 x 14 mm
2



30-0012
21 cm, 30 x 16 mm
3



30-0013
21 cm, 33 x 14 mm
4



30-0014
21 cm, 40 x 11 mm
5



30-0015
21 cm, 42 x 13 mm
6

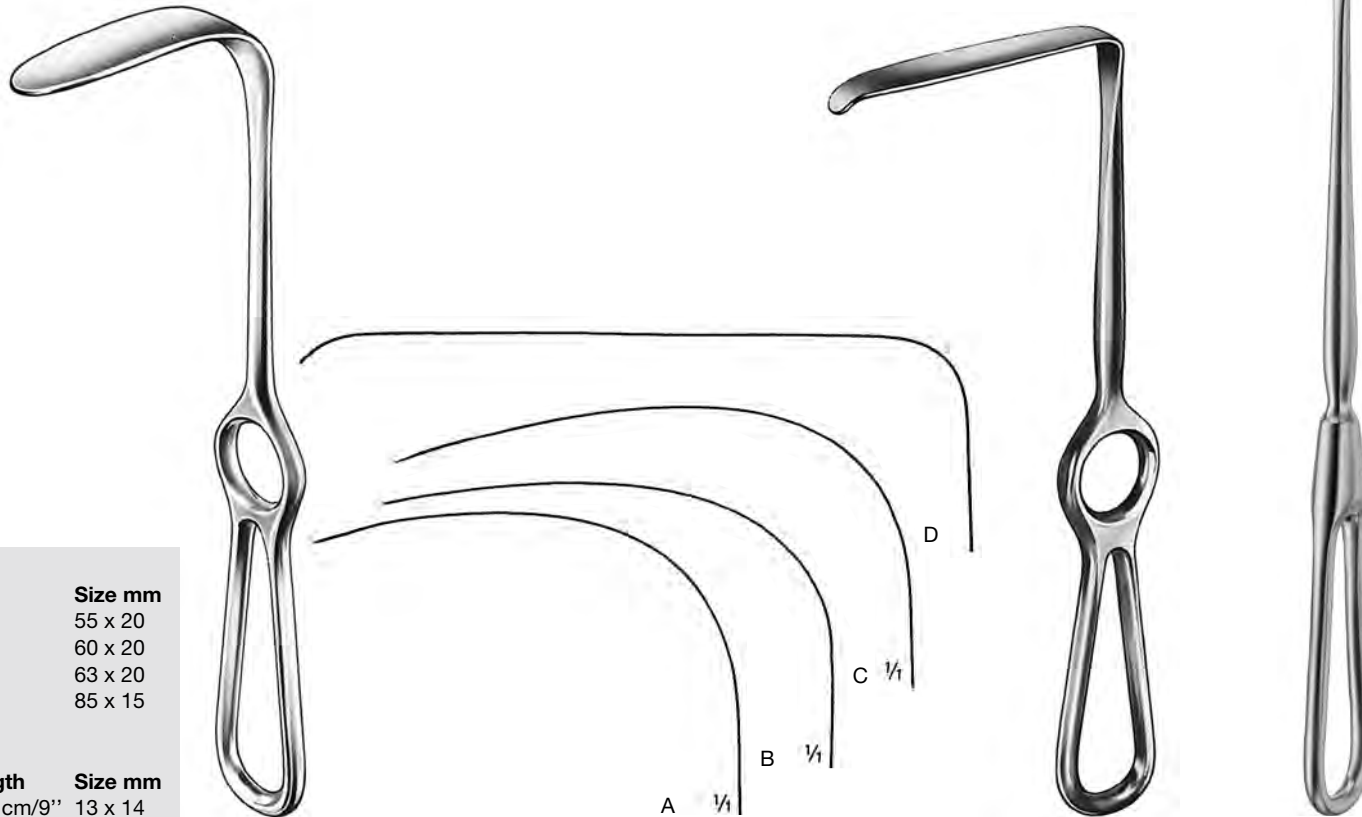


30-0016
21 cm, 50 x 11 mm
7



Langenbeck

Cushing Vein



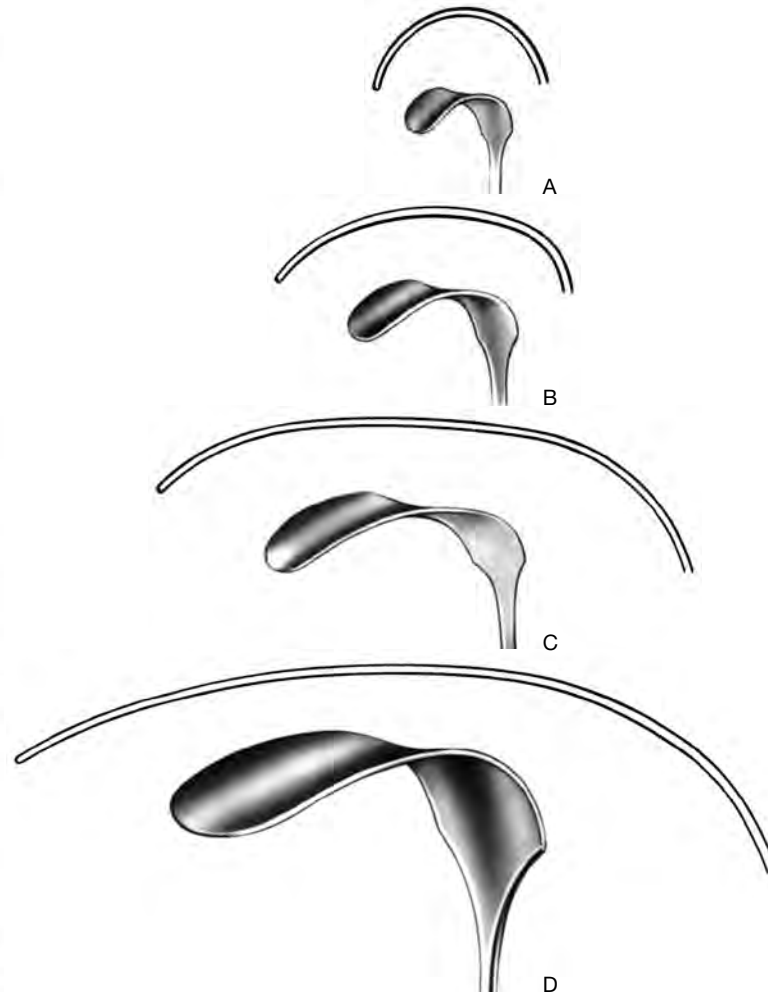
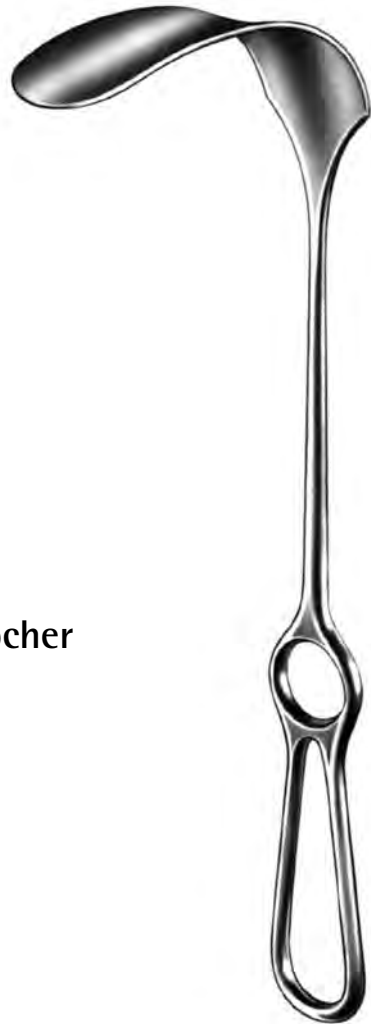
Langenbeck

Art.-No.	Fig.	Size mm
30-0060	A	55 x 20
30-0061	B	60 x 20
30-0062	C	63 x 20
30-0063	D	85 x 15

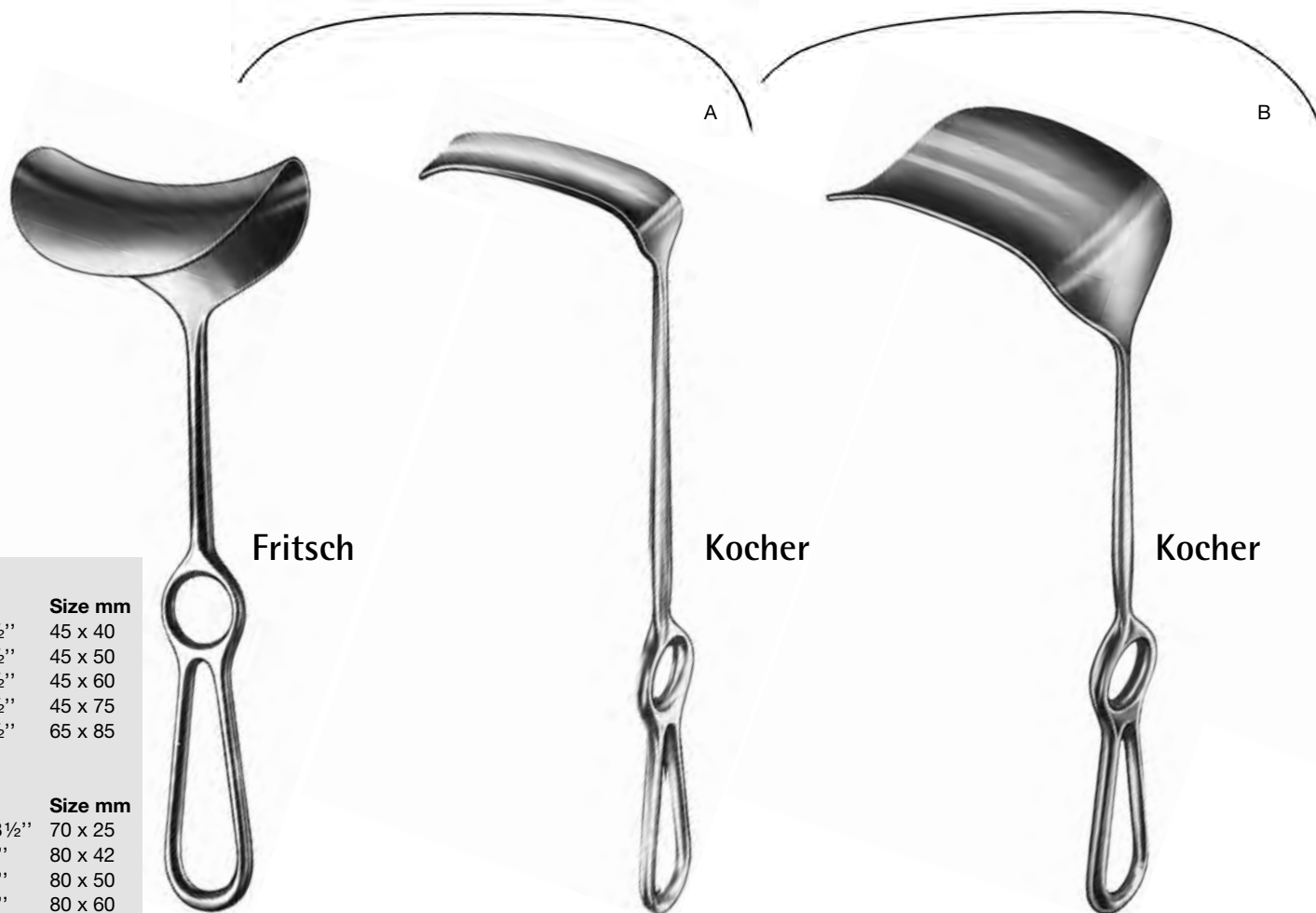
Cushing Vein

Art.-No.	Length	Size mm
30-0130	22.5 cm/9"	13 x 14

Kocher



Kocher Art.-No.	Fig.	Length	Size mm
30-0450	A	28 cm/11"	22 x 15
30-0451	B	28 cm/11"	38 x 20
30-0452	C	28 cm/11"	67 x 25
30-0453	D	28 cm/11"	100 x 35



Fritsch

Kocher

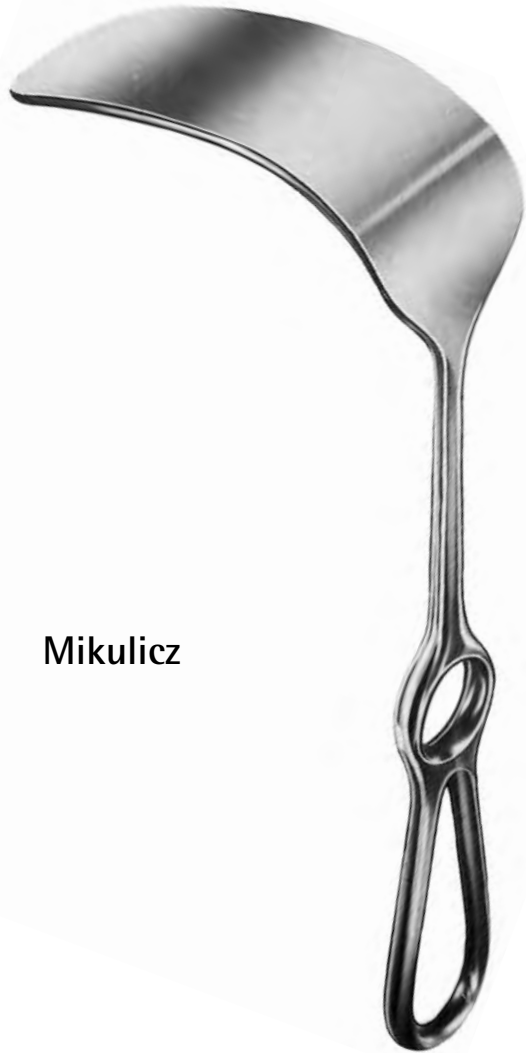
Kocher

Fritsch

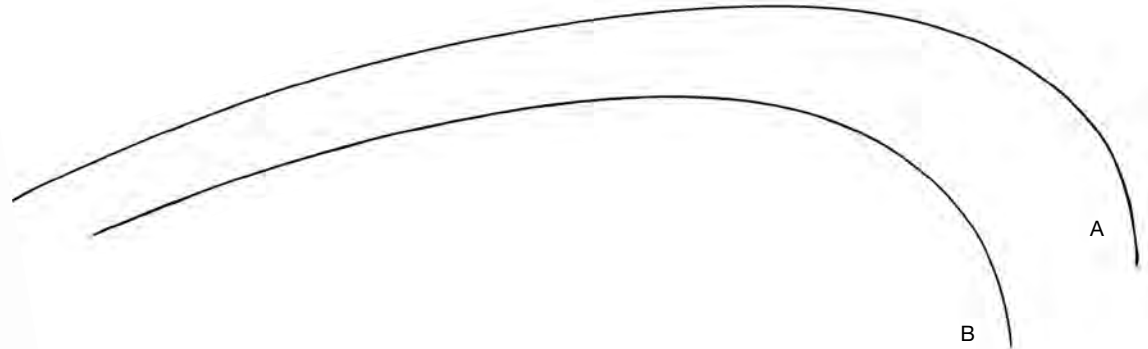
Art.-No.	Fig.	Length	Size mm
30-0431		24 cm/9½"	45 x 40
30-0432		24 cm/9½"	45 x 50
30-0433		24 cm/9½"	45 x 60
30-0434		24 cm/9½"	45 x 75
30-0435		24 cm/9½"	65 x 85

Kocher

Art.-No.	Fig.	Length	Size mm
30-0455	A	22.5 cm/8½"	70 x 25
30-0456	B	25 cm/10"	80 x 42
30-0457	B	25 cm/10"	80 x 50
30-0458	B	25 cm/10"	80 x 60



Mikulicz



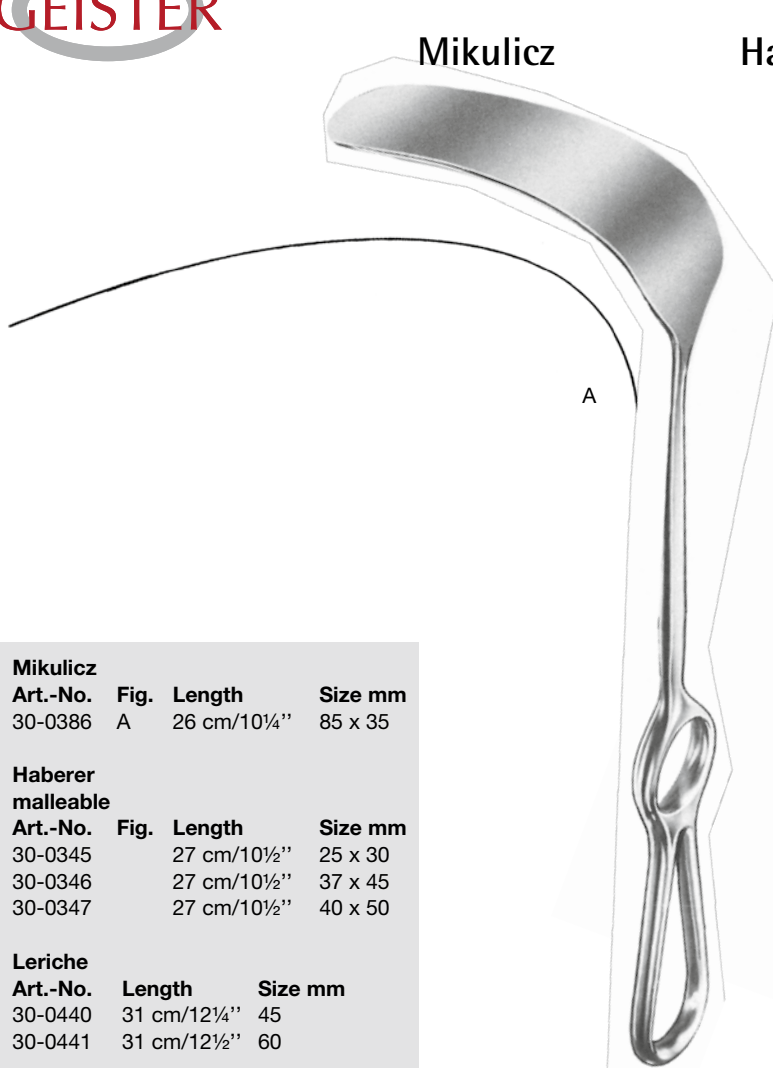
Mikulicz			
Art.-No.	Fig.	Length	Size mm
30-0380	A	26 cm/10¼"	155 x 50
30-0381	B	26 cm/10¼"	120 x 50



Mikulicz

Haberer

Leriche

**Mikulicz**

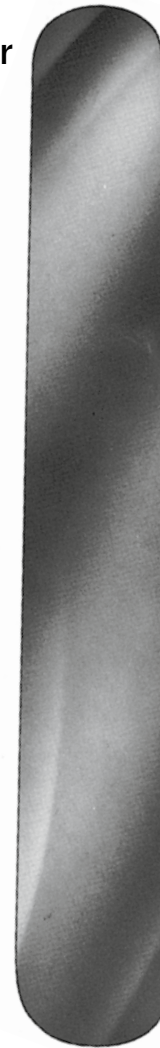
Art.-No.	Fig.	Length	Size mm
30-0386	A	26 cm/10¼"	85 x 35

**Haberer
malleable**

Art.-No.	Fig.	Length	Size mm
30-0345		27 cm/10½"	25 x 30
30-0346		27 cm/10½"	37 x 45
30-0347		27 cm/10½"	40 x 50

Leriche

Art.-No.	Length	Size mm
30-0440	31 cm/12¼"	45
30-0441	31 cm/12½"	60





Berlin Spatulas

Malleable Retractor Spatulas for Pediatric Cardiac Surgery

30-0540.02



30-0541.04



03-7010



Haight

Malleable T- Retractor

30-0542.01

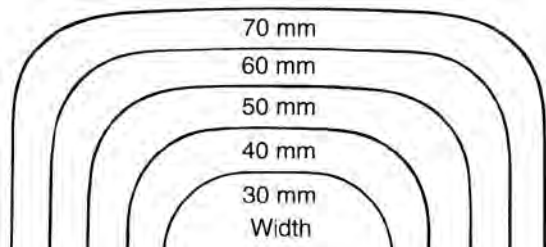


Berlin Spatulas Malleable Retractor Spatulas for Pediatric Cardiac Surgery

Art.-No.	Length	Size A/B
30-0540.03	26.5 cm	41 mm/20 mm
30-0540.02	25.0 cm	32 mm/20 mm
30-0540.01	23.5 cm	16 mm/10 mm
30-0541.05	27.0 cm	41 mm/23 mm
30-0541.04	25.5 cm	34 mm/23 mm
30-0541.03	24.0 cm	19 mm/14 mm
30-0541.02	23.5 cm	11 mm/9 mm
30-0541.01	23.5 cm	11 mm/7 mm
03-7010	26.0 cm	6 mm/4 mm

Haight Malleable T- Retractor

Art.-No.	Length	Size
30-0542.01	29.0 cm	75 mm
30-0542.02	30.0 cm	90 mm
30-0542.03	30.5 cm	102 mm
30-0542.04	32.5 cm	120 mm
30-0542.05	34.0 cm	140 mm



Copper malleable
Stainless Steel

Art.-No.	Length	Size mm
30-0330	41 cm/16 1/2"	30
30-0331	41 cm/16 1/2"	40
30-0332	41 cm/16 1/2"	50
30-0333	41 cm/16 1/2"	60
30-0334	41 cm/16 1/2"	70

Kader

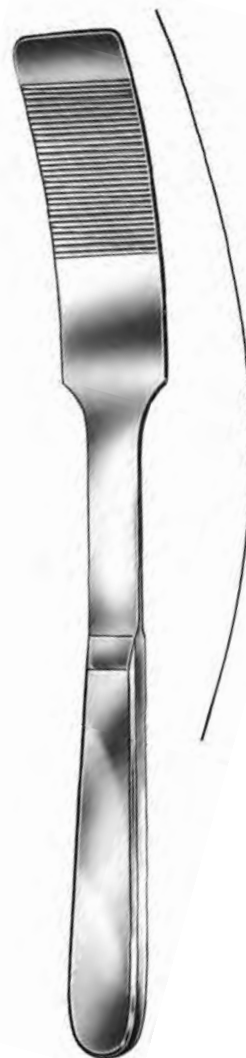
Art.-No.	Length	Size mm
30-0340	41 cm/16 1/2"	20
30-0341	41 cm/16 1/2"	30
30-0342	41 cm/16 1/2"	40

Koerte

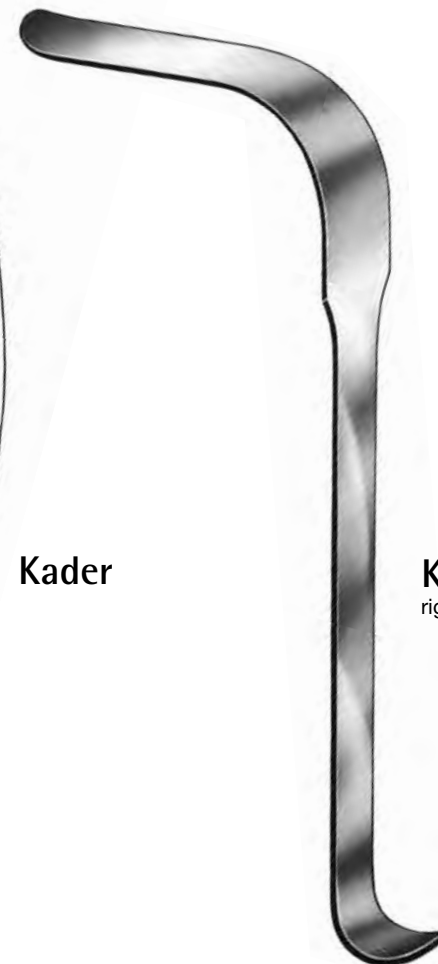
Art.-No.	Length	Size mm
30-0344	28 cm/11"	100 x 45



Copper
malleable
Stainless Steel



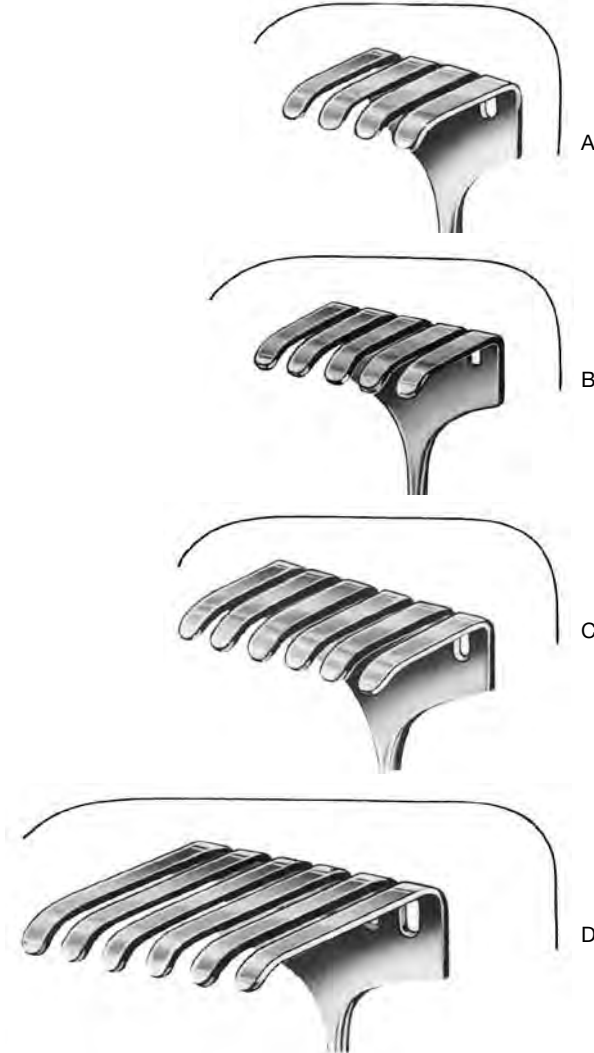
Kader



Koerte
rigid



Israel



Israel			
Art.-No.	Fig.	Length	Size mm
30-0030	A	25 cm/10"	40 x 40
30-0031	B	25 cm/10"	45 x 50
30-0032	C	25 cm/10"	50 x 60
30-0033	D	25 cm/10"	70 x 70



Trachea

Morse

Trachea

Art.-No.	Fig.	Length
30-0165	A	16 cm/6 1/4"
30-0160	B	16 cm/6 1/4"
30-0167	C	16 cm/6 1/4"
30-0162	D	16 cm/6 1/4"
30-0166	E	16 cm/6 1/4"
30-0161	F	16 cm/6 1/4"
30-0168	G	16 cm/6 1/4"
30-0163	H	16 cm/6 1/4"

Morse

Art.-No.	A	Length
30-0420	10 mm	23 cm/9"
30-0422	20 mm	23 cm/9"
30-0424	30 mm	23 cm/9"
30-0426	40 mm	23 cm/9"
30-0428	50 mm	23 cm/9"



blunt



A

semi-blunt



B

blunt



C

semi-blunt



D



E



F



G



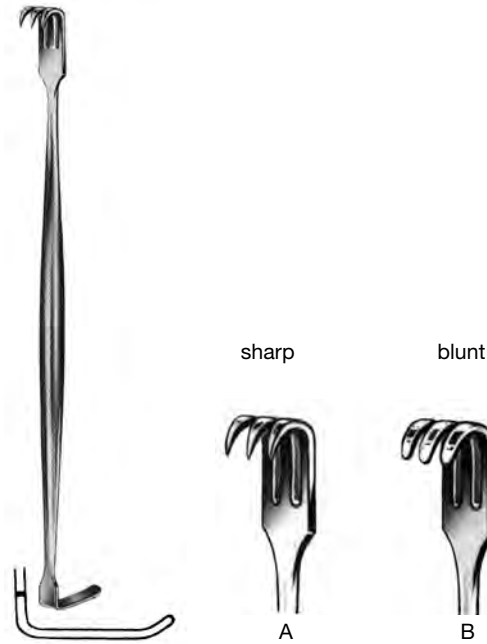
H



Ragnell-Davis



Senn-Mueller

**Ragnell-Davis**

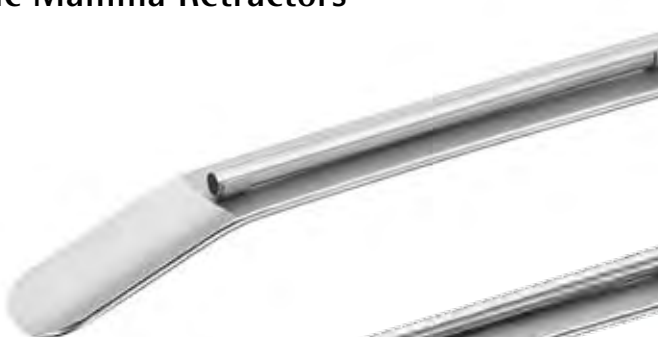
Art.-No.	Length
30-0170	14 cm/5½"

Senn-Mueller

Art.-No.	Fig.	Length
30-0175	A	16 cm/6¼"
30-0176	B	16 cm/6¼"

Fiberoptic Mamma Retractors

Smooth blade



Serrated blade



Smooth blade:

33-0405.07	70x16 mm
33-0405.09	90x27 mm
33-0405.10	100x25 mm
33-0405.12	120x16 mm
33-0405.15	150x16 mm
33-0405.18	180x25 mm
33-0405.22	220x25 mm

Serrated blade:

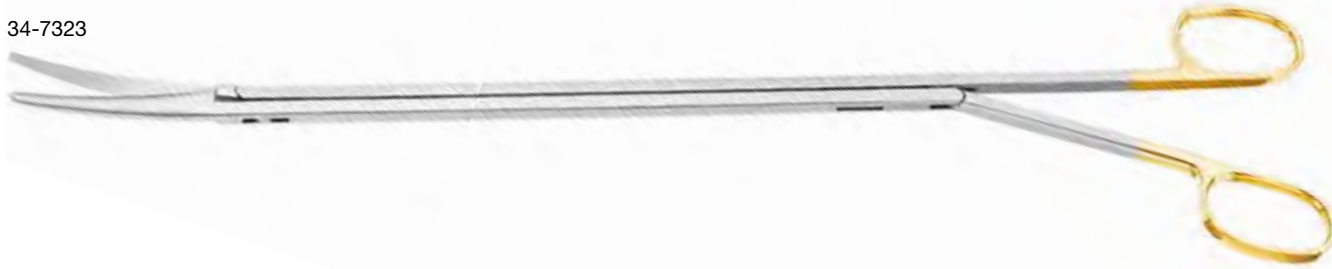
33-0400.07	70x16 mm
33-0400.09	90x27 mm
33-0400.10	100x25 mm
33-0400.12	120x16 mm
33-0400.15	150x16 mm
33-0400.18	180x25 mm
33-0400.22	220x25 mm

- + Ergonomic gold handle
- + Lightweight design
- + Well-balanced
- + Universal adapters for most common fiberoptic cables
- + Choice of smooth or serrated blades
- + Large variety of applications
- + Other dimensions and suction channel on request

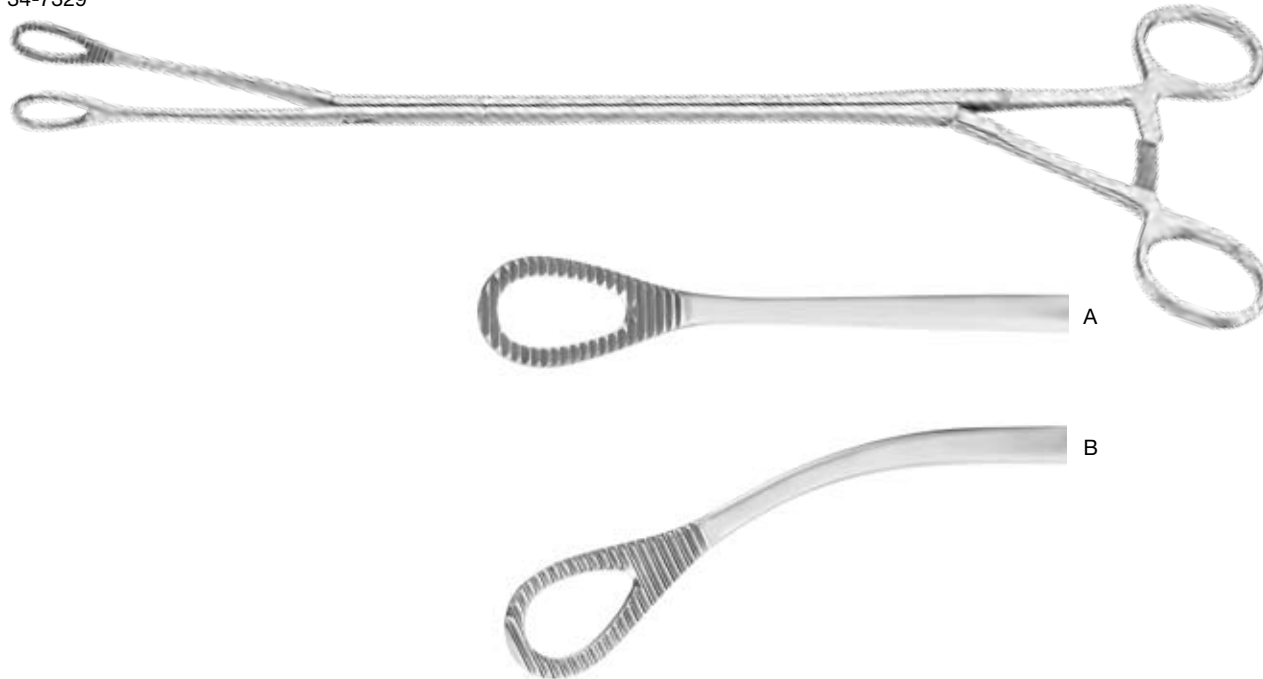




34-7323



34-7329



**ThoraGate™ Metzenbaum
Scissors 32 cm medium
curved, sliding shaft**
34-7323

**ThoraGate™ Foerster Lung
Grasper with ratchet, 33.5 cm,
straight, sliding shaft**
34-7329 A

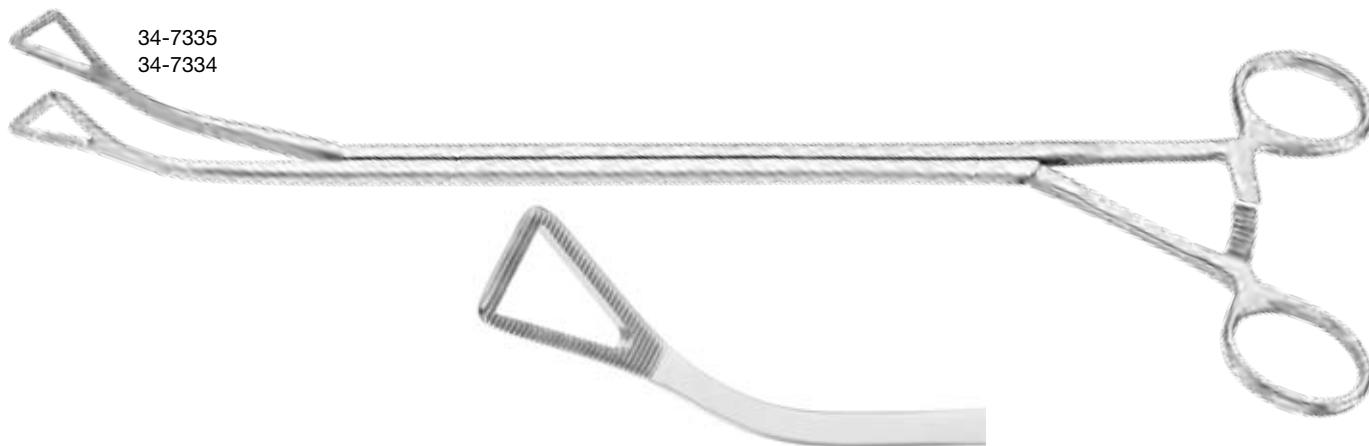
**ThoraGate™ Foerster Lung
Grasper with ratchet,
33.5 cm, curved,**

regular 10 mm sliding shaft
34-7330 B
slim 7 mm sliding shaft
34-7328 B



ThoraGate™ VATS/Thoracoscopy Instruments

34-7335
34-7334



34-7336



ThoraGate™ Duval Lung Grasper with ratchet 15mm wide jaw, 34 cm, sliding shaft
34-7335

ThoraGate™ Duval Lung Grasper with ratchet 25mm wide jaw, 34 cm, sliding shaft
34-7334

ThoraGate™ Atraumatic Duval Lung Grasper with ratchet, 34 cm, sliding shaft
34-7336

34-7325


 34-7312
 34-7312.SP


**ThoraGate™ Allis Grasper
with ratchet 34 cm, sliding
shaft**

34-7325

**ThoraGate™ Dissector
Forceps without ratchet
33.5 cm, sliding shaft**

34-7312

**ThoraGate™ Dissector
Forceps with ratchet
33.5 cm, sliding shaft**

34-7312.SP



**ThoraGate™ DeBakey-Cooley
Forceps without ratchet,
33.5 cm, sliding shaft**

34-7313

**ThoraGate™ DeBakey-Cooley
Forceps with ratchet, 33.5 cm,
sliding shaft**

34-7313.SP

**ValveGate™ DeBakey Thran-
sthoracic Aortic Clamp with
ratchet, 100 mm regular jaw
(1x2), 36 cm, sliding shaft**

34-7301

**ValveGate™ DeBakey Thran-
sthoracic Aortic Clamp with
ratchet, 50 mm regular jaw
(1x2), 32 cm, sliding shaft**

34-7302

**ValveGate™ DeBakey Thran-
sthoracic Aortic Clamp with
ratchet, 75 mm regular jaw
(1x2), 34 cm, sliding shaft**

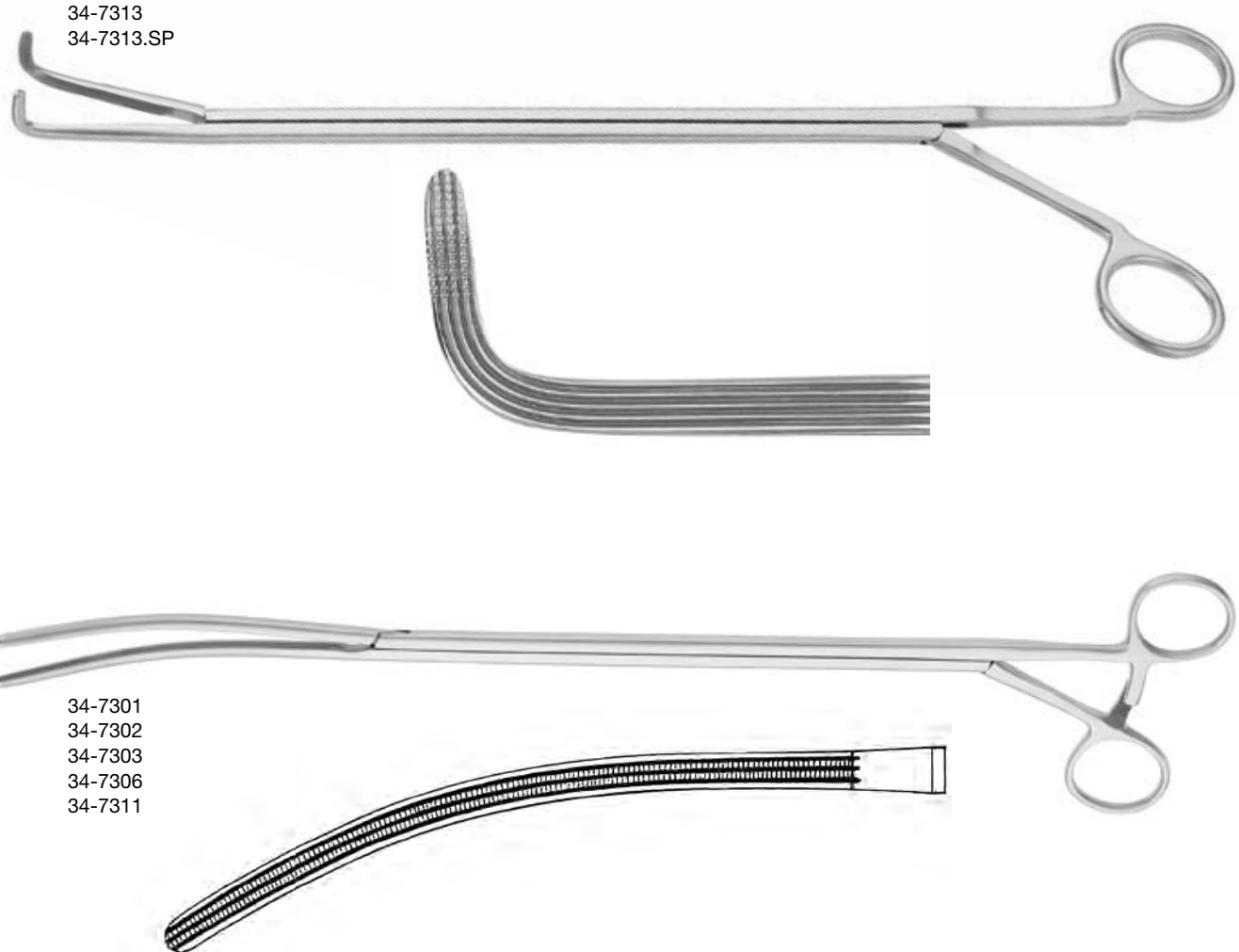
34-7303

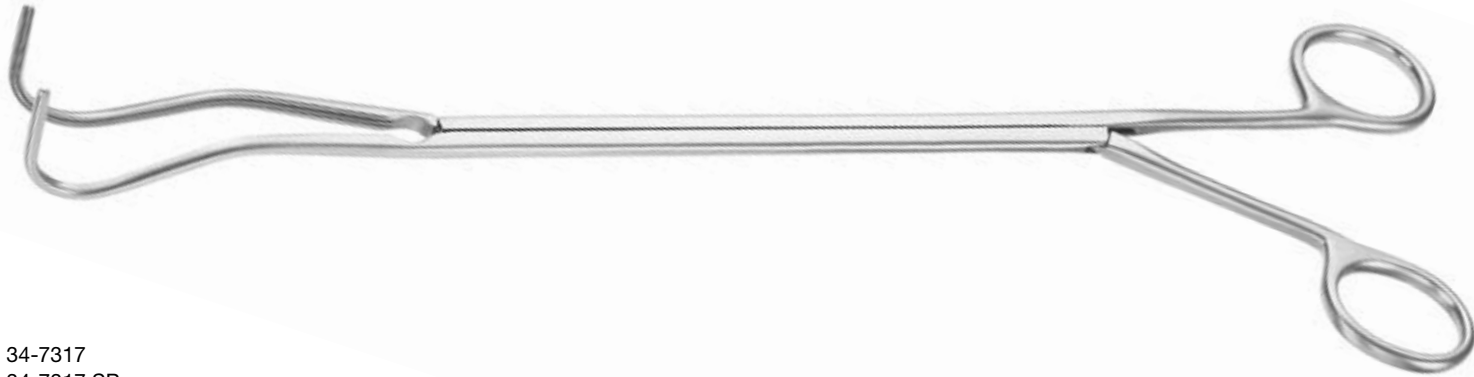
**ValveGate™ DeBakey Thran-
sthoracic Aortic Clamp with
ratchet, 100 mm wide jaw
(2x3), 36 cm, sliding shaft**

34-7306

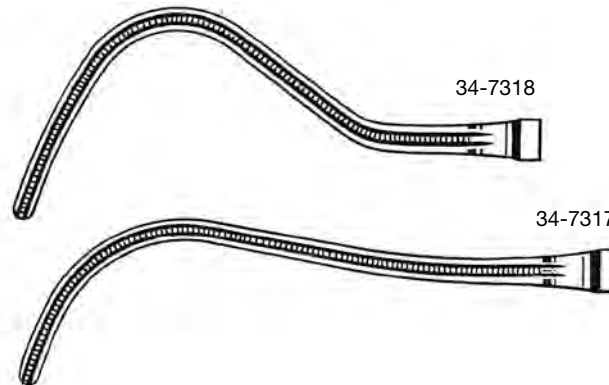
**ValveGate™ DeBakey Thran-
sthoracic Aortic Clamp with
ratchet, 100 mm wide jaw
(2x3), 35 cm, sliding shaft,
acutely curved**

34-7311





34-7317
34-7317.SP
34-7318
34-7318.SP

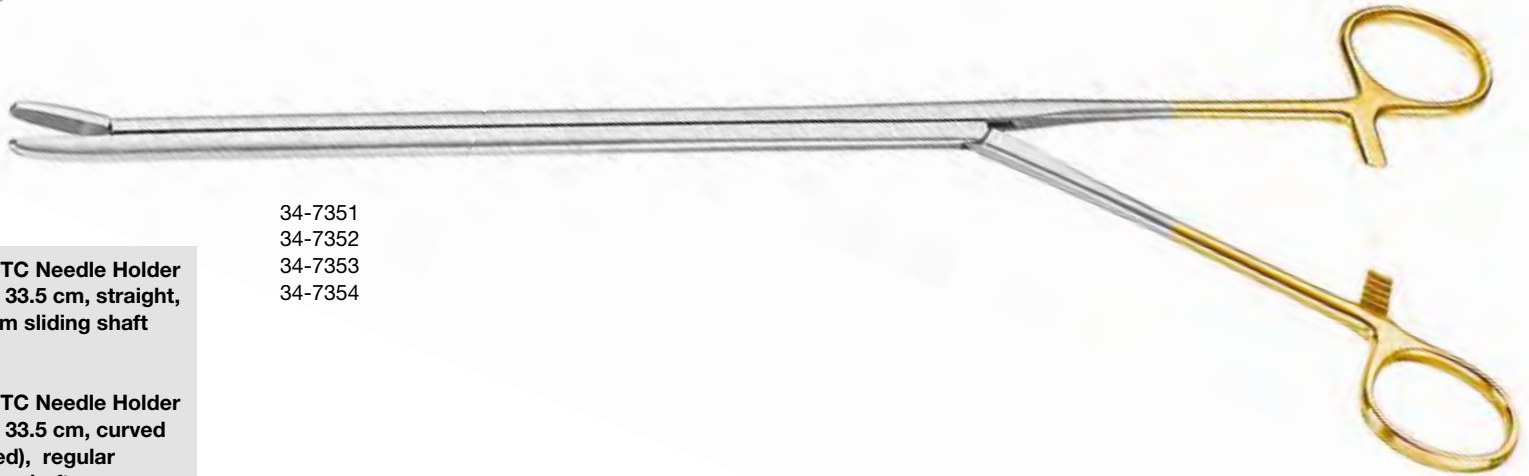


**ThoraGate™ Harken #1 Lung
Clamp 33.5 cm, sliding shaft,
without ratchet**
34-7317

**ThoraGate™ Harken #1 Lung
Clamp 33.5 cm, sliding shaft,
with ratchet**
34-7317.SP

**ThoraGate™ Harken #2 Lung
Clamp 33.5 cm, sliding shaft,
without ratchet**
34-7318

**ThoraGate™ Harken #2 Lung
Clamp 33.5 cm, sliding shaft,
with ratchet**
34-7318.SP



34-7351
34-7352
34-7353
34-7354

**ThoraGate™TC Needle Holder
with ratchet, 33.5 cm, straight,
regular 10 mm sliding shaft**
34-7351

**ThoraGate™TC Needle Holder
with ratchet, 33.5 cm, curved
(not illustrated), regular
10 mm sliding shaft**
34-7352

**ThoraGate™TC Needle Holder
with ratchet, 33.5 cm, straight,
slim 7 mm sliding shaft**
34-7353

**ThoraGate™TC Needle Holder
with ratchet, 33.5 cm, curved
(not illustrated), slim 7 mm
sliding shaft**
34-7354



34-7351



34-7353



34-7450L



**ThoraGate™ Biopsy
Forceps 3 mm 40 cm**
34-7450L

34-7380
34-7381

**ThoraGate™ Yankauer
Suction Tube 46 cm**
34-7380

**ThoraGate™ Yankauer
Suction Tube 46 cm with
finger hole for flow control**
34-7381

03-7600
03-7601
03-7610
03-7611

**Chest Tube Passer 24 cm
without ratchet**
03-7600

**Chest Tube Passer 24 cm
with ratchet**
03-7601

**Chest Tube Passer 36 cm
without ratchet**
03-7610

**Chest Tube Passer 36 cm
with ratchet**
03-7611



Double-action Instruments

34-7340



10-0255



ThoraGate™ Mixer Dissecting Forceps with ratchet, 33 cm, double action
34-7340

Resano Dissecting Forceps Titanium 28 cm
10-0255

26-4000



Papillary Muscle Scissors Titanium, straight, 28 cm
26-4000

24-0540



Papillary Muscle Scissors Titanium, 85° angled, 28 cm
26-4001

De Bakey Needle Holder Titanium, 28 cm
24-0540

Double-action Instruments



34-7320
34-7321



34-7350



34-7331
34-7331L



**ThoraGate™ Metzenbaum
Scissors 32 cm medium
curved, double action**
34-7320

**ThoraGate™ Metzenbaum
Scissors 32 cm strongly
curved, double action**
34-7321

**ThoraGate™ TC Needle
Holder with ratchet straight,
34 cm, double action**
34-7350

**ThoraGate™ Foerster Lung
Grasper with ratchet, 35 cm,
double action**
34-7331

**ThoraGate™ Hallmann Lung
Grasper and Femoral Art.
Tunneling Forceps with
ratchet, 37 cm, double action**
34-7331L



Sterilization Cases

stainless steel with silicone inserts

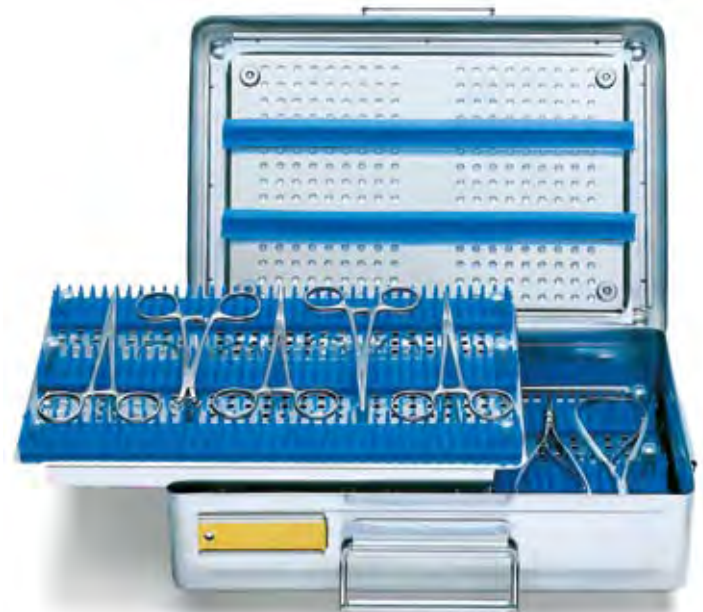
Stainless steel guarantees a solid, scratch- and wear-resistant exterior surface for long-term use. A silicone seal in the lid keeps germs away. Silicone cushioning strips, mats or racks in our instrument cases fix and protect the instruments and keep them in good condition and clean order. Interchangeable identification tags identify the case and distinguish its contents (choice of text and colours).

A maximum amount of instruments can be stored in a minimum of space. The cases are available with 1 or 2 levels in various dimensions. Silicone depressing bars at the inner side of the lid fix

the position of the instruments underneath. The trays are easily removable from the container with heat-insulated knobs.

The 3 silicone strips can be replaced with a full silicone mat (option) if desired. Special configurations and trays are available on request. Models with a solid silicone rack can be adapted to your procedural sets with each instrument positioned on its defined place and optional laser-mark illustrations on the tray.

All instrument sterilization cases have a perforated base and lid for steam sterilization and are fitted with long-life textile filters, that must be replaced after max. 60 cycles.





Sterilization Cases

stainless steel with silicone inserts



77-0101



77-0105



77-0117 & 77-1207



77-0106



77-0103



77-0122

**Micro Instruments Container, 1 or 2 levels,
with silicone strips, long-life textile filters**

Container Dimensions mm	Art.-No. 1 level 50 mm	Art.-No. 2 levels 75 mm
220 x 165	77-0101	77-0111
420 x 125	77-0102	77-0112
420 x 175	77-0103	77-0113
300 x 220	77-0104	77-0114
285 x 280	77-0105	77-0115
410 x 225	77-0106	77-0116
400 x 290	77-0107	77-0117
450 x 260	77-0108	77-0118
400 x 150	77-0109	77-0119
495 x 270	77-0110	77-0120

Silicone Mat Dimensions mm	Art.-No. Full Sili- cone Mat	Art.-No. Textile Spare Filter
195 x 135	77-1201	77-0101.EF
390 x 91	77-1202	77-0102.EF
392 x 144	77-1203	77-0103.EF
275 x 185	77-1204	77-0104.EF
255 x 245	77-1205	77-0105.EF
370 x 185	77-1206	77-0106.EF
365 x 252	77-1207	77-0107.EF
420 x 220	77-1208	77-0108.EF
374 x 120	77-1209	77-0109.EF
460 x 231	77-1210	77-0110.EF

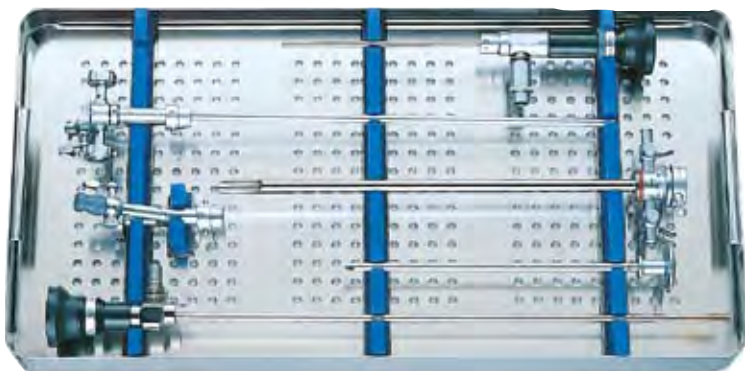
**Micro Instruments Container, 1 level, with silicone racks
(custom adapted on request), long-life textile filters**

Container Dimensions mm	Art.-No. 1 level 65 mm	Art.-No. Textile Spare Filter
220 x 165	77-0121	77-0101.EF
420 x 125	77-0122	77-0102.EF
420 x 175	77-0123	77-0103.EF
300 x 220	77-0124	77-0104.EF
285 x 280	77-0125	77-0105.EF
410 x 225	77-0126	77-0106.EF
400 x 290	77-0127	77-0107.EF
450 x 260	77-0128	77-0108.EF
400 x 150	77-0129	77-0109.EF
495 x 270	77-0130	77-0110.EF



Sterilization Cases

stainless steel with silicone inserts



Accessories

Art.-No.	Description
77-1120	Metal Label, blue
77-1121	Metal Label, red
77-1122	Metal Label, green
77-1123	Metal Label, yellow
77-1128	Engraving one line for metal labels (specify text)
77-1129	Engraving two lines for metal labels (specify text)
77-1201	Silicone mat 195 x 135 mm (suggested for 77-0101 & 77-0111)
77-1202	Silicone mat 390 x 91 mm (suggested for 77-0102 & 77-0112)
77-1203	Silicone mat 392 x 144 mm (suggested for 77-0103 & 77-0113)
77-1204	Silicone mat 275 x 185 mm (suggested for 77-0104 & 77-0114)
77-1205	Silicone mat 255 x 245 mm (suggested for 77-0105 & 77-0115)
77-1206	Silicone mat 370 x 185 mm (suggested for 77-0106 & 77-0116)
77-1207	Silicone mat 365 x 252 mm (suggested for 77-0107 & 77-0117)
77-1208	Silicone mat 420 x 220 mm (suggested for 77-0108 & 77-0118)
77-1209	Silicone mat 374 x 120 mm (suggested for 77-0109 & 77-0119)
77-1210	Silicone mat 460 x 231 mm (suggested for 77-0110 & 77-0120)



Container System

for optimum aseptic supply

Sterilize, store, transport without contamination ...

with our improved aseptic container systems. Additionally to the stack buttons for easy storage and secure stacking and the silicone seal all around the lid, we also added a new quick-change mechanism that makes filter change easy and fast. You can choose between the economic long-life textile filters (max. 60 cycles) or disposable paper filters (single use).

Well-dimensioned perforated areas in the base and in the lid of the supply containers provide optimum drying conditions for the aseptic materials. Also available are containers that are only perforated in lid and not in the base as well as non-perforated return containers.

All containers come with a scratch- and wear-resistant stainless steel lid and a lightweight anodized aluminium base combining low-wear and easy care with minimum weight. Aluminium also provides for higher heat capacity for better drying.

The carrying handles are heat insulated. Closure of lid is easy and can even be done with a single hand. Aseptic safety seals can be applied if desired. Interchangeable identification and sterilization tags help to identify the case and distinguish its contents.

Insert trays are available made of stainless steel wire mesh (stackable) or of perforated stainless steel. Optional silicone mats are available to be placed in container base or trays for maximum protection of your valuable instruments.

The lids of our standard sterile container system, usually delivered with scratch-resistant stainless steel lid, are now optionally also available in color-coded aluminium, in the colors red, blue, green and yellow, in order to facilitate managing the sets in the hospitals and reduce the weight further.





Container System

for optimum aseptic supply



77-1110

**Aseptic Supply Container System, lid perforated,
with long-life textile filter**

Dimensions mm	Art.-No. base perforated	Art.-No. base not perforated	Art.-No. Spare Filter	Art.-No. Paper Filter pack	Art.-No. Full Sili- cone Mat
600 x 290 x 250	77-1000	77-1020	77-1130	77-1140	77-1211
600 x 290 x 170	77-1002	77-1022	77-1130	77-1140	77-1211
600 x 290 x 130	77-1004	77-1024	77-1130	77-1140	77-1211
600 x 290 x 100	77-1006	77-1026	77-1130	77-1140	77-1211
300 x 290 x 250	77-1008	77-1028	77-1132	77-1142	77-1212
300 x 290 x 170	77-1010	77-1030	77-1132	77-1142	77-1212
300 x 290 x 130	77-1012	77-1032	77-1132	77-1142	77-1212
300 x 290 x 100	77-1014	77-1034	77-1132	77-1142	77-1212
300 x 165 x 100	77-1015	77-1035	77-1133	77-1143	77-1218
300 x 165 x 60	77-1017	77-1037	77-1133	77-1143	77-1218

**Aseptic Return Container System, not perforated,
without filter**

Dimensions mm	Art.-No. Container System	Art.-No. Full Sili- cone Mat
600 x 290 x 250	77-1050	77-1211
600 x 290 x 170	77-1052	77-1211
600 x 290 x 130	77-1054	77-1211
600 x 290 x 100	77-1056	77-1211
300 x 290 x 250	77-1058	77-1212
300 x 290 x 170	77-1060	77-1212
300 x 290 x 130	77-1062	77-1212
300 x 290 x 100	77-1064	77-1212
300 x 165 x 100	77-1065	77-1218
300 x 165 x 60	77-1067	77-1218

Container System

for optimum aseptic supply



77-1102 & 77-1216



77-1114

Insert Trays

Art.-No. Tray	Description	Art.-No. Full Silicone Mat
77-1100	Wire-mesh trays with handles 480 x 258 x 50 mm	77-1215
77-1102	Wire-mesh trays with handles 240 x 258 x 50 mm	77-1216
77-1110	Perforated stainless steel tray with handles 550 x 265 x 50 mm	77-1211
77-1112	Perforated stainless steel tray with handles 480 x 265 x 50 mm	77-1215
77-1114	Perforated stainless steel tray with handles 270 x 265 x 50 mm	77-1212
77-1115	Perforated stainless steel tray with handles 270 x 145 x 35 mm	77-1218
77-1116	Perforated stainless steel tray with handles 240 x 240 x 50 mm	77-1217

Container System

for optimum aseptic supply

Accessories

Art.-No.	Description
77-1120	Metal Label, blue
77-1121	Metal Label, red
77-1122	Metal Label, green
77-1123	Metal Label, yellow
77-1128	Engraving one line for metal labels (specify text)
77-1129	Engraving two lines for metal labels (specify text)
77-1130	Long-life textile filter (60 cycles) 600 x 290 mm
77-1132	Long-life textile filter (60 cycles) 300 x 290 mm
77-1133	Long-life textile filter (60 cycles) 120 x 240 mm
77-1140	Single-use paper filters 600 x 290 mm (pack of 100)
77-1142	Single-use paper filters 300 x 290 mm (pack of 100)
77-1143	Single-use paper filters 120 x 240 mm (pack of 100)
77-1150	Drape fixing clamp
77-1160	Drape fixation frame for containers 600 x 290 mm
77-1162	Drape fixation frame for containers 300 x 290 mm
77-1170	Safety seals (pack of 100)
77-1180	Indicator control labels, paper (pack of 100)
77-1211	Silicone mat 530 x 250 mm (suggested for containers 600 x 290 mm)
77-1215	Silicone mat 470 x 245 mm (suggested for 77-1100)
77-1212	Silicone mat 250 x 247 mm (suggested for containers 300 x 290 mm)
77-1216	Silicone mat 243 x 225 mm (suggested for 77-1102)
77-1217	Silicone mat 222 x 222 mm (suggested for 77-1116)
77-1218	Silicone mat 255 x 135 mm (suggested for containers 300 x 165 mm)
77-1220	Silicone mat, universal size 600 x 300 mm, for cutting down





Plastic Instrument Cassettes

These economic, durable and multifunctional cassettes offer the ability to accommodate a wide array of delicate instruments.

They can be closed securely with a unique clip and hinge design. Silicone racks can accommodate instruments with diameters ranging from 2.5 to 8 mm.



77-3210

77-3210



21-0119

Plastic Instrument Cassettes

Art.-No.	Description	Dimensions mm
21-0118	6-Position slotted cassette for 6 instruments Ø 2.5–8 mm	203 x 114 x 15
21-0119	12-Position slotted cassette for 12 instruments Ø 2.5–8 mm	203 x 114 x 30
77-3210	Shallow instrument cassette with silicone mat	203 x 114 x 15
77-3230	Deep instrument cassette with silicone mat	203 x 114 x 30



Plastic Mini Containers

This line of small to medium sized trays has been specially designed to help organize and protect your mini to microsurgical instrumentation during sterilization, surgical presentation and storage.

An array of sizes is available to customize procedural sets. Silicone mats allow for the efficient placement of instruments and the unique raised design helps to facilitate the sterilization process. Clear Radel®R lids allow for the easy identification of instruments.



77-3090



77-3005

77-3070

Plastic Mini Containers

Art.-No.	Description	Dimensions mm
77-3005	Small 2 x 7" tray, lid and silicone mat	181 x 49 x 18.5
77-3010	Small 2 x 7" tray and lid with 2 silicone racks for 1 diamond knife	181 x 49 x 18.5
77-3020	Small 2 x 7" tray and lid with 2 silicone racks for 2 diamond knives	181 x 49 x 18.5
77-3030	Small 3 x 6" tray, lid and silicone mat	148 x 64 x 18.0
77-3040	Small 3 x 7" tray, lid and silicone mat	180 x 73 x 18.5
77-3050	Small 3 x 7" tray and lid with 2 silicone racks for 3 diamond knives	180 x 73 x 18.5
77-3060	Small 3 x 7" tray and lid with 2 silicone racks for 8 cannulae	180 x 73 x 18.5
77-3070	Small 4 x 8" tray, lid and silicone mat	190 x 102 x 19.0
77-3080	Medium 7 x 11" tray, lid and silicone mat (shallow)	267 x 159 x 16.0
77-3090	Medium 7 x 11" tray, lid and silicone mat (deep)	267 x 159 x 35.0
77-3100	Medium 7 x 11" tray, lid, insert tray and 2 silicone mats (double level)	267 x 159 x 35.0

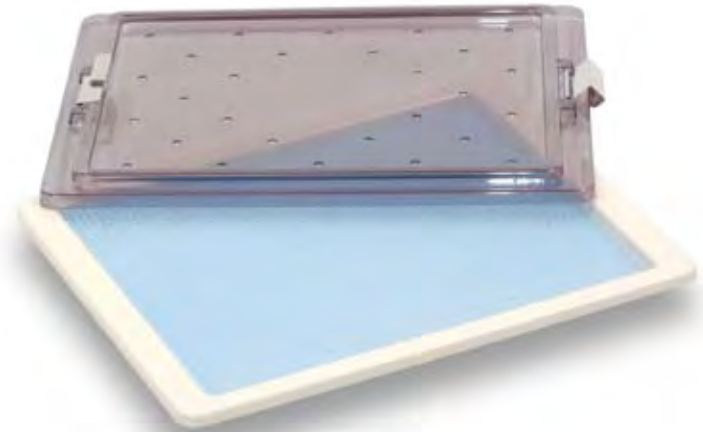


Plastic Universal Trays

Designed to accommodate micro to medium sized instrumentation. These trays with their expanded capacity provide ample space to configure comprehensive procedural sets. Silicone mats allow for the efficient placement of instruments and the unique raised design helps to facilitate the sterilization process. Clear Radel®R lids allow for the easy identification of instruments.



77-3250



Plastic Universal Trays

Art.-No.	Description	Dimensions mm
77-3250	Large 11 x 14" tray with silicone mat (shallow)	298 x 368 x 19
77-3260	Large 10 x 18" tray with silicone mat (deep)	262 x 465 x 59
77-3270	Large 8 x 17" tray with silicone mat (shallow)	210 x 439 x 16
77-3280	Full size silicone mat (no holes)	483 x 356 x 17



Plastic Speciality Trays

To accommodate a wide array of endoscopic and other hand-held instruments and endoscopes we have designed a range of speciality containers:

The convertible laparoscopy tray holds three sizes of laparoscopic instruments: 3 mm, 5 mm, and 10 mm. The tri-level silicone strips will accommodate up to 12 instruments. Instruments can also be placed in the full-size base with silicone mat.

The convertible hand held instrument tray (e.g. for spinal, neuro, arthroscopy or micro instruments) is designed with 4 silicone strips to accommodate a maximum of 16 hand-held instruments 4 mm in diameter. Additional instruments or scopes may be placed in the full-size base with silicone mat. The optional instrument stand holds up to 8 ring-handled microsurgical instruments in an upright position for easy access by the O.R. staff.

The scope tray is fitted with silicone strips designed to hold your delicate scopes in a secure and protective environment.



77-3600

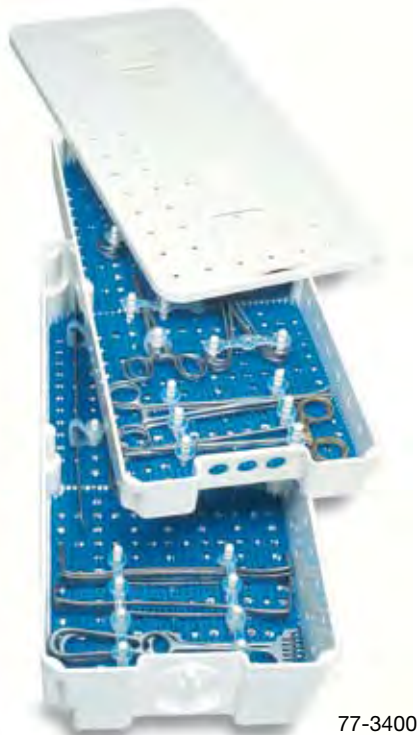
Plastic Speciality Trays

Art.-No.	Description	Dimensions mm
77-3600	Laparoscopy tray (max. 12 instruments 32 cm long), clear lid	464 x 190 x 70
77-3650	Hand held instrument tray (max. 16 instruments, Ø max 4 mm)	464 x 190 x 70
77-3655	Instrument stand for up to 8 small hand held instruments	225 x 118 x 36
77-3500	Endoscope tray (1 scope 1-10 mm max. 39 cm long)	394 x 70 x 35



Modular Plastic Containers

Designed for large size instrument sets. Insert and base can be used together or separately with dedicated lids. Standard silicone cradles are available to help secure and organize the instruments. The flex system accessories provide the ability to place instruments in an organized procedural format. It includes posts and tie-downs to secure instruments and can be easily modified to accommodate change in layout. Silicone mats are also available for the efficient placement of the instruments. Perforations allow for optimum steam penetration and drying. This economical, durable, functional and lightweight plastic container comes with a unique one-step positive latching system.



77-3400



77-3420

Modular Plastic Containers

Art.-No.	Description	Dimensions mm
77-3400	Plastic double level assembly complete 4" deep with base, silicone mat for base, upper insert, silicone mat for insert and lid, Dimensions 502 x 239 x 102 mm	502 x 239 x 102
77-3410	Plastic single level assembly complete 4" deep with base, silicone mat for base and lid, Dimensions 502 x 239 x 102 mm	502 x 239 x 102
77-3420	Plastic single level assembly complete 2" deep with base, silicone mat for base and clear lid, Dimensions 464 x 229 x 51 mm	464 x 229 x 51
77-3430	Flex system snap-in post (pack of 12)	
77-3431	Flex system lateral silicone tie down (pack of 12)	
77-3432	Flex system diagonal silicone tie down (pack of 12)	
77-3433	Flex system silicone tie down combination pack (6 lateral, 6 diagonal)	
77-3434	Flex system removal tool	

**Instrument Tray**

Art.-No.	Height	Length	Width
77-9255	1.0 cm	45 cm/18"	33 cm/13"

Kidney Dish

Art.-No.	Height	Length	Capacity
77-8998	3.7 cm	17 cm/16½"	0.25
77-9000	3.9 cm	25 cm/10"	0.5
77-9002	4.5 cm	27.5 cm/10½"	0.75

Forcep Holder

Art.-No.	Ø	Height
77-9020	3 cm	9 cm/3½"
77-9021	5 cm	10 cm/4"
77-9022	5 cm	13 cm/5"
77-9023	5 cm	18 cm/7"
77-9024	8.2 cm	13 cm/5"
77-9025	8.2 cm	18 cm/7"
77-9026	9.5 cm	20 cm/8"

Laboratory Bowl

Art.-No.	Ø	Height	Capacity
77-9115	14 cm/5½"	5.5 cm/2"	0.5
77-9117	15 cm/6"	7.5 cm/2½"	0.75
77-9118	16 cm/6¼"	7.5 cm/2½"	1.0
77-9119	22 cm/8½"	7 cm/2½"	2.0
77-9120	24 cm/9½"	9.5 cm/3½"	3.0
77-9121	26 cm/10¼"	12 cm/4½"	4.5
77-9122	30 cm/12"	11.5 cm/4¼"	6.0
77-9123	32 cm/12½"	14 cm/5½"	8.0
77-9124	38 cm/15¼"	13 cm/5"	11.0
77-9125	40 cm/16"	15.5 cm/6"	14.0

Instrument Tray**Forcep Holder****Kidney Dish****Laboratory Bowl**

Graduated Medicine Cup



Graduated Medicine Cup



Solution Bowl



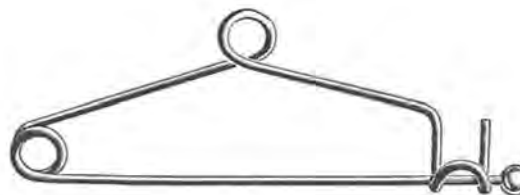
Solution Bowl



Graduated Jug



Graduated Jug


 Mayo
 Safety Pin
**Graduated Medicine Cup**

Art.-No.	Ø	Height	Capacity
77-9105	5 cm/2"	2.5 cm	0.03

Graduated Medicine Cup

Art.-No.	Ø	Height	Capacity
77-9106	5.3 cm/2"	4.5 cm/1¾"	0.05

Solution Bowl

Art.-No.	Ø	Height	Capacity
77-9090	5 cm/2"	4.5 cm/1¾"	0.05
77-9094	6 cm/2¼"	5.2 cm/2"	0.075

Laboratory Bowl

Art.-No.	Ø	Height	Capacity
77-9095	8 cm/3"	3.5 cm/1¼"	0.1
77-9096	9 cm/3½"	5.5 cm/2"	0.2
77-9097	10 cm/4"	6.5 cm/2¼"	0.3
77-9098	12 cm/4½"	7 cm/2½"	0.4

Graduated Jug

Art.-No.	Height	Capacity
77-9147	5 cm/2"	0.1
77-9148	7 cm/2½"	0.25

Graduated Jug

Art.-No.	Height	Capacity
77-9149	13 cm/5"	0.5
77-9150	15 cm/6"	1.0
77-9151	16 cm/6¼"	1.5
77-9152	17 cm/6½"	2.0

Mayo Safety Pin

Art.-No.	Length
77-9995	14 cm/5½"



Instrument Marking Tape

helps organizing and identifying instruments as they move between sterile processing and the OR.



Instrument Marking Tape

00-4001	white non-sterile 7.6m roll
00-4002	blue non-sterile 7.6m roll
00-4003	green non-sterile 7.6m roll
00-4004	red non-sterile 7.6m roll
00-4005	yellow non-sterile 7.6m roll
00-4006	violett non-sterile 7.6m roll
00-4007	orange non-sterile 7.6m roll
00-4008	brown non-sterile 7.6m roll