

GEISTER®



Cardiovascular and Thoracic







The better way to operate™

“Excellence is the result of caring more than others think is wise, risking more than others think is safe, dreaming more than others think is practical, and expecting more than others think is possible.”



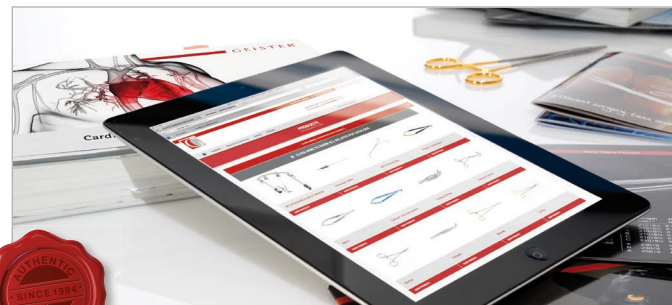
EFFICIENT SURGERY. LESS INVASIVE. OPTIMUM RESULTS.



GEISTER® Medizintechnik GmbH - founded in 1984 - is a manufacturer and system supplier of surgical instruments for conventional open and minimal invasive (keyhole) surgery. Located in Tuttlingen in Southwest-Germany - famous capitol of the surgical industry worldwide. We are dedicated to servicing and supplying the surgical world with the highest quality instruments according to the specific requirements and helping the medical professionals with their patient care in every part in the world. Quality with best German workmanship is a global commitment for us. Our aim is to develop technical innovations for evolving, more patient friendly minimally invasive surgical procedures that yet can maintain or even exceed the long term results of proven conventional procedures.

Our owner managed family business is one of the leading German manufacturers for surgical instruments and accessories. With a considerable experience - our founder has been in this field since 1966 - in the manufacturing of delicate and highly precise surgical instrumentation, we supply a range of more than 20000 quality products for operative surgery, distributed in more than 95 countries worldwide. Purpose-oriented innovation, skilled craftsmanship and tradition, technological competence and measurable quality stand behind every surgical instrument.

Maximum responsiveness, quality, service and innovation, makes us a preferred partner for the surgical professional worldwide and keeps us on the cutting edge of the surgical instrument industry. We do not strive to sell the biggest number of surgical instruments, but always the finest ones. This goal we consequently follow.



THE NEW SET-CONFIGURATOR

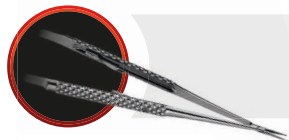
In our new Set-Configurator you can find over 20000 special surgical instruments. Search systematically for specific product codes, keywords or reference numbers or click through the various index areas. Using the bookmark function, you can generate your individual product list, which you can print or save or fast and easily request a quote.

www.geister.com





Table of content



Micro Instruments | Scissors | Needle Holders |
Tissue Forceps | Fairgrip™ultra | Fairgrip™ | Structurae™

8

1



Bulldog Clamps

78

2



Atraumatic Clamps | Liver Transplant Clamps |
Tissue Seizing Forceps | Intestinal Clamps

110

3



Hemostatic Forceps | Dissecting Forceps | Sponge Forceps |
Towel Clamps | Tube and Suture Holding Clamps | Tube Milkers and Cutters

206

4



Tissue Forceps | Dressing Forceps | Grasping Forceps

248

5

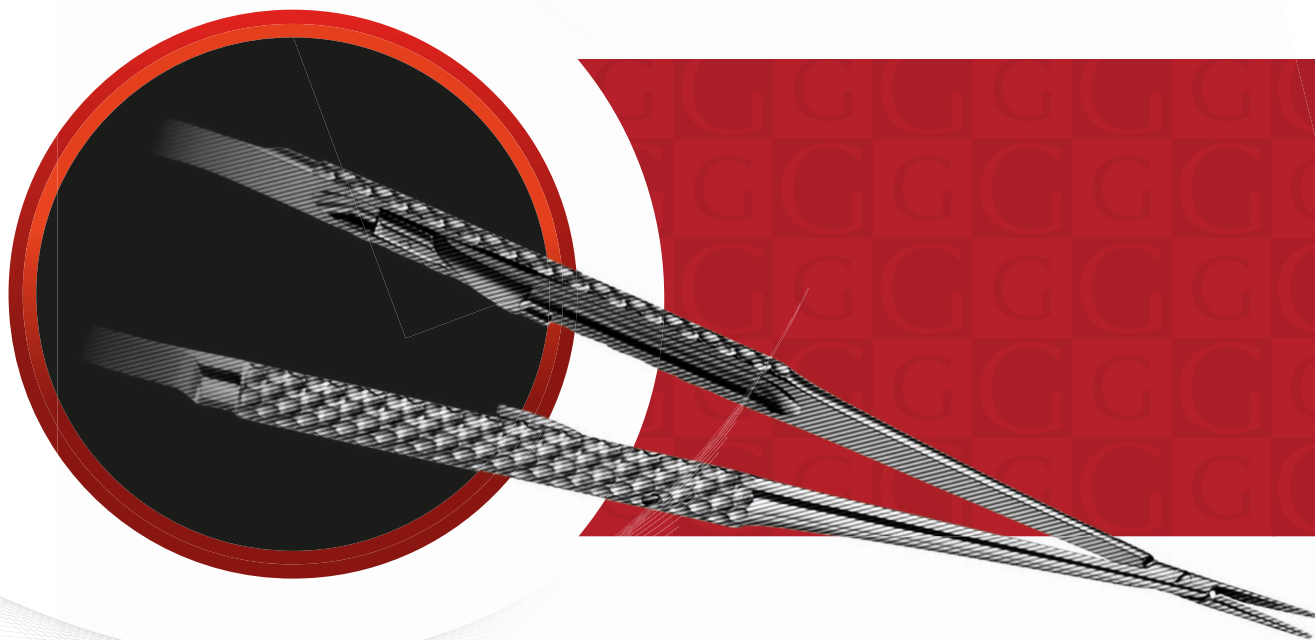


Needle Holders | Wire Twisters and Pliers

278

6

	<p>Scissors Rib Shears Wire Saws Bone Biting Rongeurs</p>	<p>318 7</p>
	<p>Flexible Arms Sternum Retractors Retractors IMA Retractors Rib Spreaders Abdominal Frame Retractors Self-retraining Retractors</p>	<p>364 8</p>
	<p>Suction Tubes Tube Accessories</p>	<p>430 9</p>
	<p>Miscellaneous Punches Dilators Suture Catchers Sizers Tunnelers Scalpels Holloware</p>	<p>444 10</p>
	<p>Wound Hooks Dissectors Raspatories Retractors Hand Retractors Bone Curettes Lung Spatulas</p>	<p>472 11</p>



**Micro Instruments | Scissors | Needle Holders |
Tissue Forceps | Fairgrip™ | Fairgrip™ultra | Structurae™**



Our micro needle holders are set for grasping needles without rotation. Please be sure to return instruments for periodic routine maintenance to keep them in very best condition. You can determine if a needle holder requires restoration of its Sapphire™ Enhanced

Needle Grip Surface by placing a needle at the very tip and then slightly pushing or pulling it or by holding the closed tip up against the light. If the needle easily moves, or if you see light gaps between the tips, the needle holder should be sent for service.



Type	Insert	Tip size	0/0	1/0	2/0	3/0	4/0	5/0	6/0	7/0	8/0	9/0	10/0	11/0
Micro Needle Holders	Sapphire™	0.2 mm											X	X
	Sapphire™	0.4 mm									X	X	X	X
	Sapphire™	0.8 mm							X	X	X	X		
	Sapphire™	1.2 mm						X	X	X				
	TC (M) Micro Pitch 0.20-0.30	1.2 mm						X	X	X				
Heavy Micro Needle Holders	Sapphire™	2.0 mm			X	X	X	X	X					
	TC (F) Fine Pitch 0.40	2.0 mm			X	X	X	X	X					



Masterpieces

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, at 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.

Superior in workmanship, quality, and reliability, our fine spring style micro scissors deliver precise, sharp and smooth cuts even on 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 handles, here in particular our Fairgrip™ ultra handle, 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.

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





Fairgrip™ ultra Micro – Potts Scissors



Fig.	Length mm/"	∠	blade length mm	Art.-No.	Fig.	Length mm/"	∠	blade length mm	Art.-No.	Type
A	170/6½	-	10	03-0606	-	-	-	-	-	-
B	170/6½	-	10	03-0608	-	-	-	-	-	-
C	170/6½	25°	10	03-0610	C	210/8¼	25°	10	03-0620	Streamline*
D	170/6½	45°	10	03-0612	D	210/8¼	45°	10	03-0621	Streamline*
E	170/6½	60°	10	03-0614	E	210/8¼	60°	10	03-0622	Streamline*
F	170/6½	90°	10	03-0616	F	210/8¼	90°	10	03-0623	Streamline*
G	170/6½	125°	10	03-0618	G	210/8¼	125°	10	03-0624	Streamline*

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.

* Scissors with length 210 mm only available in Streamline.

Fairgrip™ ultra Titanium Micro-Potts

Scissors



Fig.	Length mm/"	∠	blade length mm	Art.-No.	Fig.	Length mm/"	∠	blade length mm	Art.-No.	Type
A	170/6½	-	10	03-0606.TI	-	-	-	-	-	-
B	170/6½	-	10	03-0608.TI	-	-	-	-	-	-
C	170/6½	25°	10	03-0610.TI	C	210/8¼	25°	10	03-0620.TI	Streamline*
D	170/6½	45°	10	03-0612.TI	D	210/8¼	45°	10	03-0621.TI	Streamline*
E	170/6½	60°	10	03-0614.TI	E	210/8¼	60°	10	03-0622.TI	Streamline*
F	170/6½	90°	10	03-0616.TI	F	210/8¼	90°	10	03-0623.TI	Streamline*
G	170/6½	125°	10	03-0618.TI	G	210/8¼	125°	10	03-0624.TI	Streamline*

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.

* Scissors with length 210 mm only available in Streamline.



Micro-Potts 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 14mm blade add "LS" behind Art.-No. for ordering.

Radialis

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

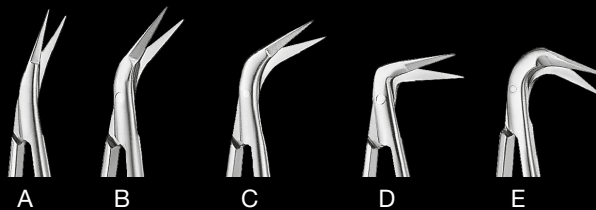
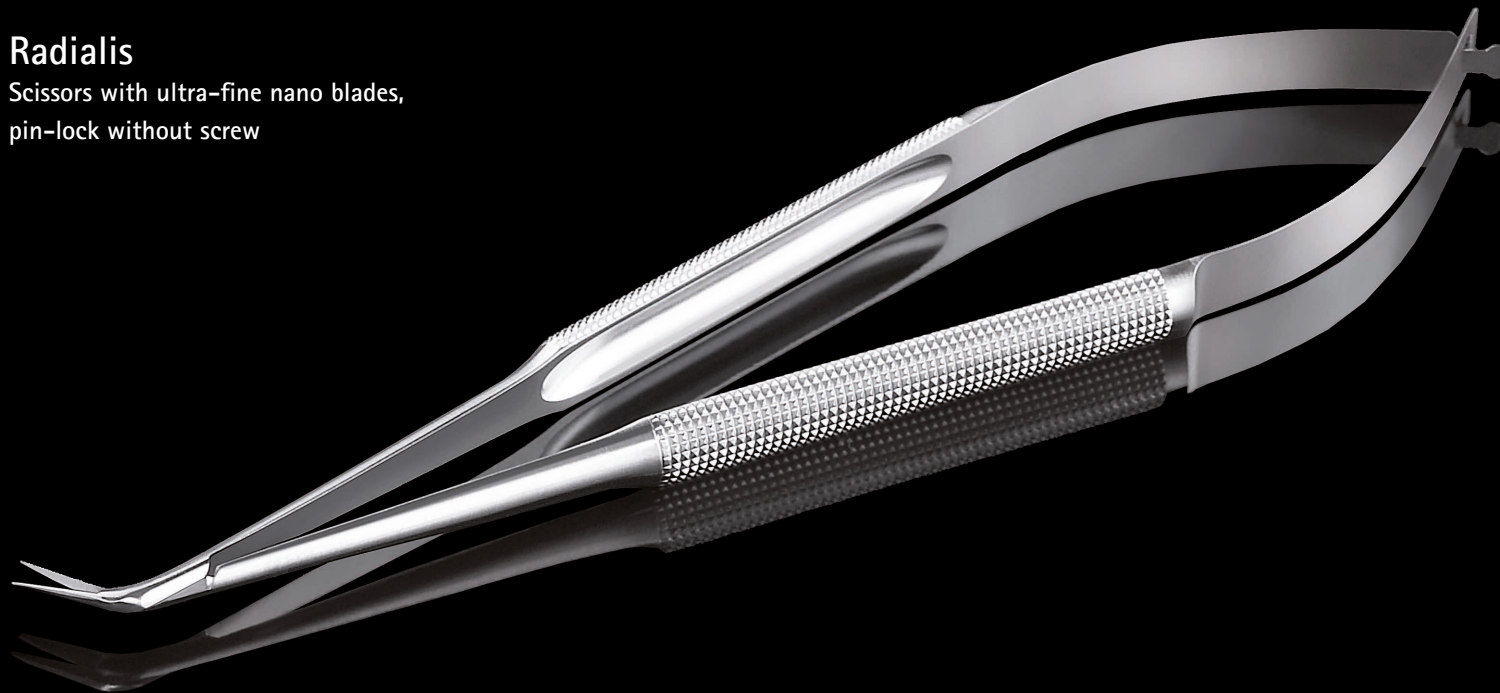


Fig.	Length mm/"	★	Art.-No. nano blades
A	180/7	25°	03-1031
B	180/7	45°	03-1033
C	180/7	60°	03-1035
D	180/7	90°	03-1037
E	180/7	125°	03-1039



TC Scissors

Streamline

welded tungsten carbide inserts extend
working life and provide for superior cutting action

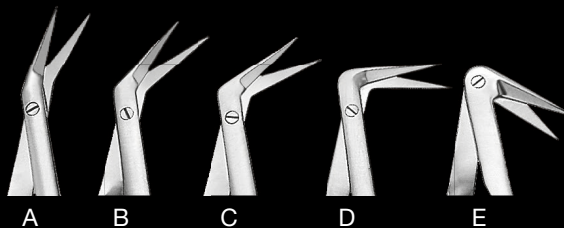
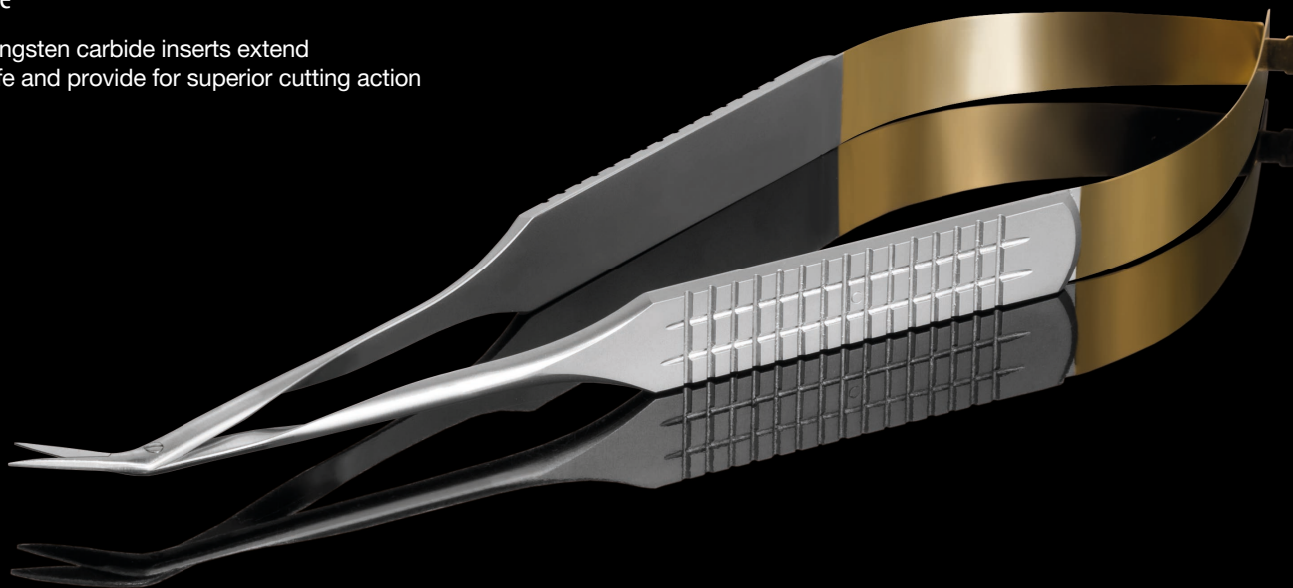


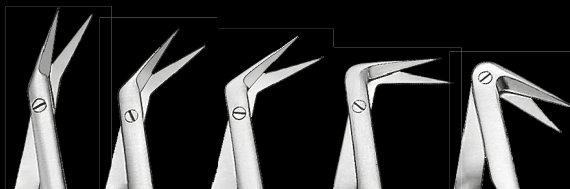
Fig.	Length mm / "	✂	Art.-No. regular
A	170 / 6½	25°	03-0980
B	170 / 6½	45°	03-0982
C	170 / 6½	60°	03-0984
D	170 / 6½	90°	03-0986
E	170 / 6½	125°	03-0988

Swedish Edge Scissors

Streamline

Streamline Scissors with ultra-sharp edges for smoother cutting action.

Swedish Edge™



A

B

C

D

E

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 294-297.



Classic-type Scissors

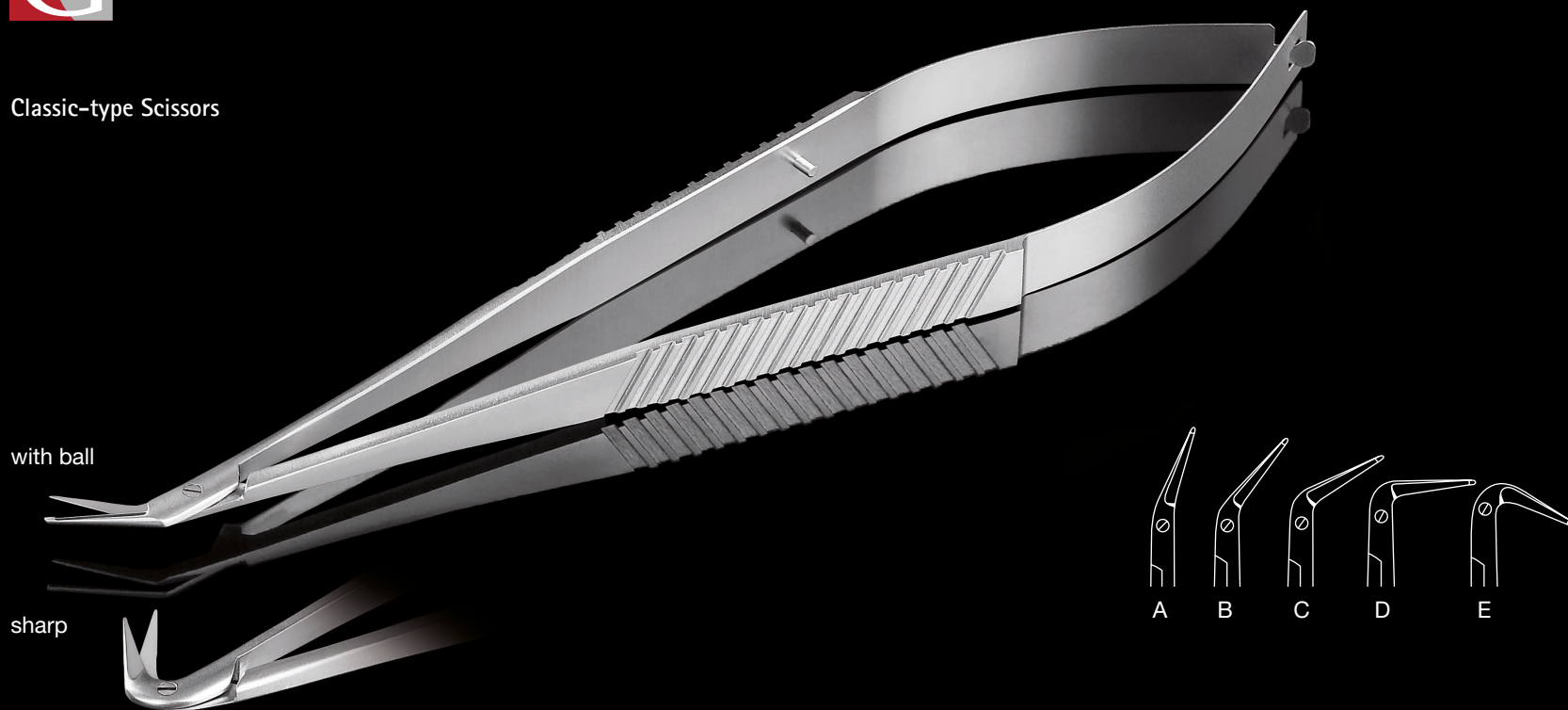


Fig.	Length mm / "	∠	Art.-No. with ball	Art.-No. sharp/sharp	Fig.	Length mm / "	∠	Art.-No. with ball	Art.-No. sharp/sharp
A	170/6½	25°	03-0010.JP	03-0030.JP	A	140/5½	25°	—	03-0040.JP
B	170/6½	45°	03-0012.JP	03-0032.JP	B	140/5½	45°	—	03-0042.JP
C	170/6½	60°	03-0014.JP	03-0034.JP	C	140/5½	60°	—	03-0044.JP
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

Jacobson Scissors

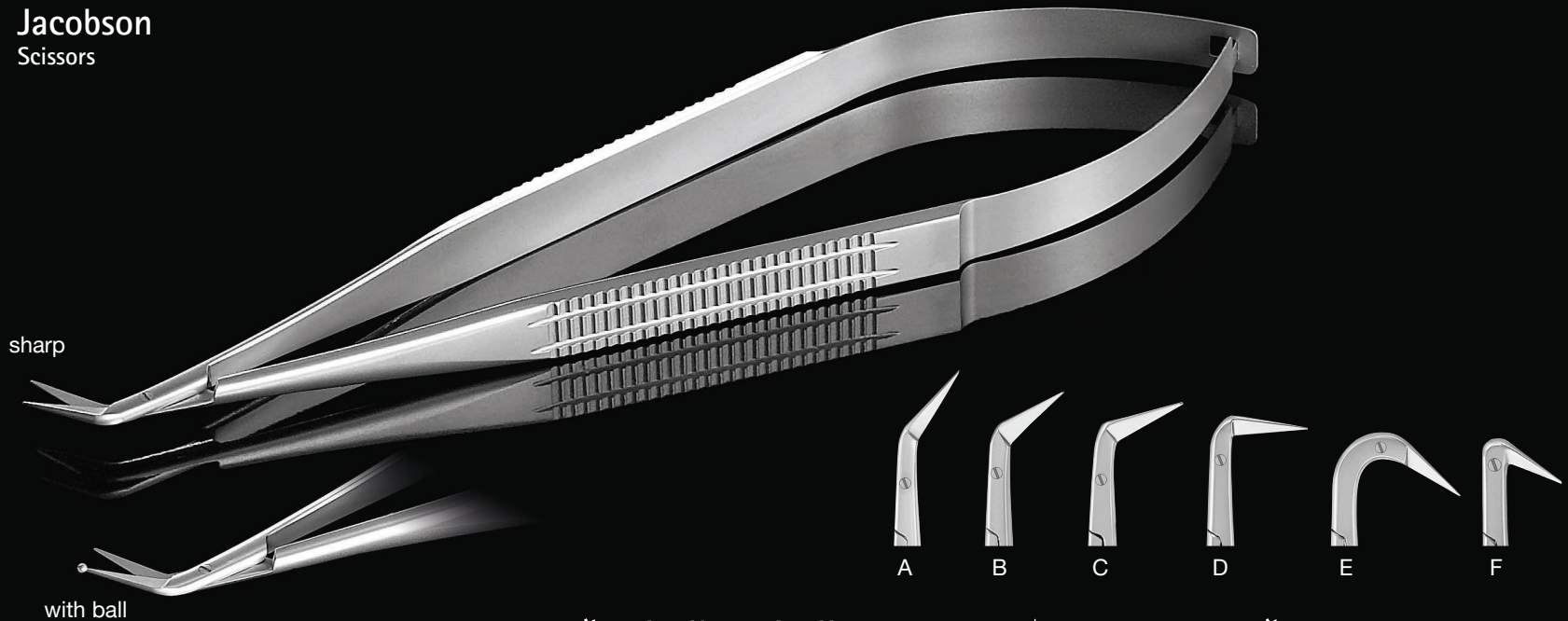


Fig.	Length mm / "	∠	Art.-No. with ball	Art.-No. sharp	Art.-No. nano sharp	Fig.	Length mm / "	∠	Art.-No. with ball	Art.-No. sharp
A	170/6½	25°	03-0010	03-0030	03-0030.KS	A	230/9	25°	03-0010.23	03-0030.23
B	170/6½	45°	03-0012	03-0032	03-0032.KS	B	230/9	45°	03-0012.23	03-0032.23
C	170/6½	60°	03-0014	03-0034	03-0034.KS	C	230/9	60°	03-0014.23	03-0034.23
D	170/6½	90°	03-0016	03-0036	03-0036.KS	D	230/9	90°	03-0016.23	03-0036.23
E	170/6½	125°	03-0018	03-0038	—	E	230/9	125°	03-0018.23	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.



Mini-Potts



Castroviejo

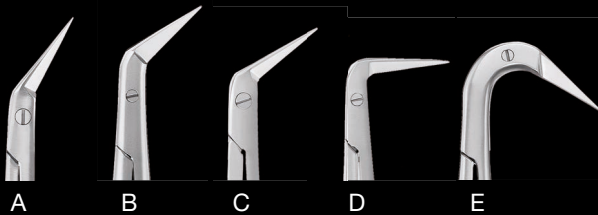


Mini-Potts

Scissors (sharp/sharp)

Castroviejo

Scissors (sharp/sharp)



A

B

C

D

E

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

Scissors

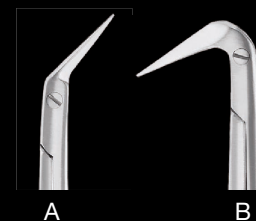
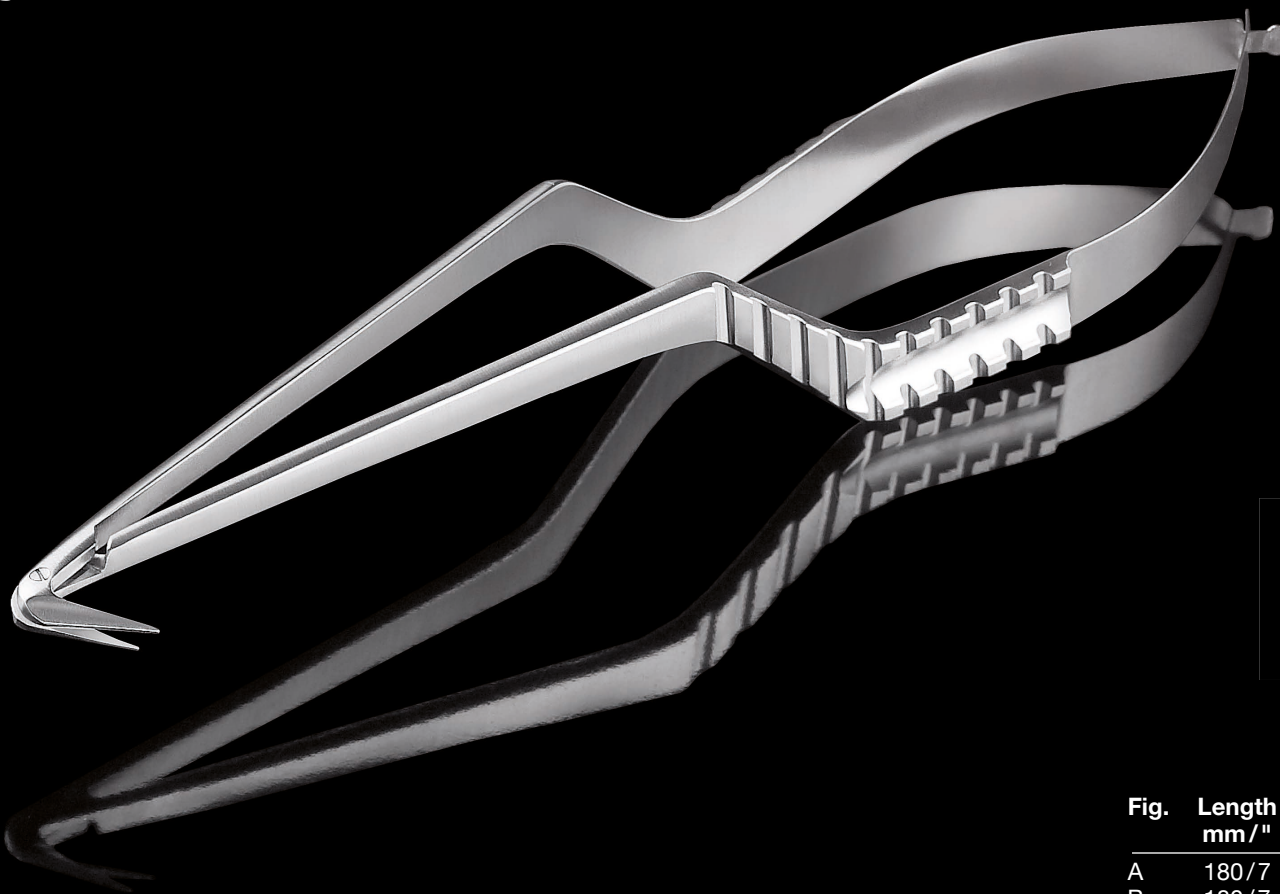


Fig.	Length mm / "	∠	Art.-No.
A	180 / 7	45°	41-4203
B	180 / 7	125°	41-4209



Structurae™

Scissors

ultra-lightweight
modular design.



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



A



B

Fig.	Length mm/"	Jaw	Art.-No.	Fig.	Length mm/"	Jaw	Art.-No.
A	150/6	short (10mm)	03-0050	A	110/4¼	short (10mm)	03-0065
B	150/6	short (10mm)	03-0051	B	110/4¼	short (10mm)	03-0066
A	150/6	long (15mm)	03-0060	toothed jaws:			
B	150/6	long (15mm)	03-0061	A	150/6	long (15mm)	03-0070
				B	150/6	long (15mm)	03-0071



Adventitia/Dissecting

with round handle

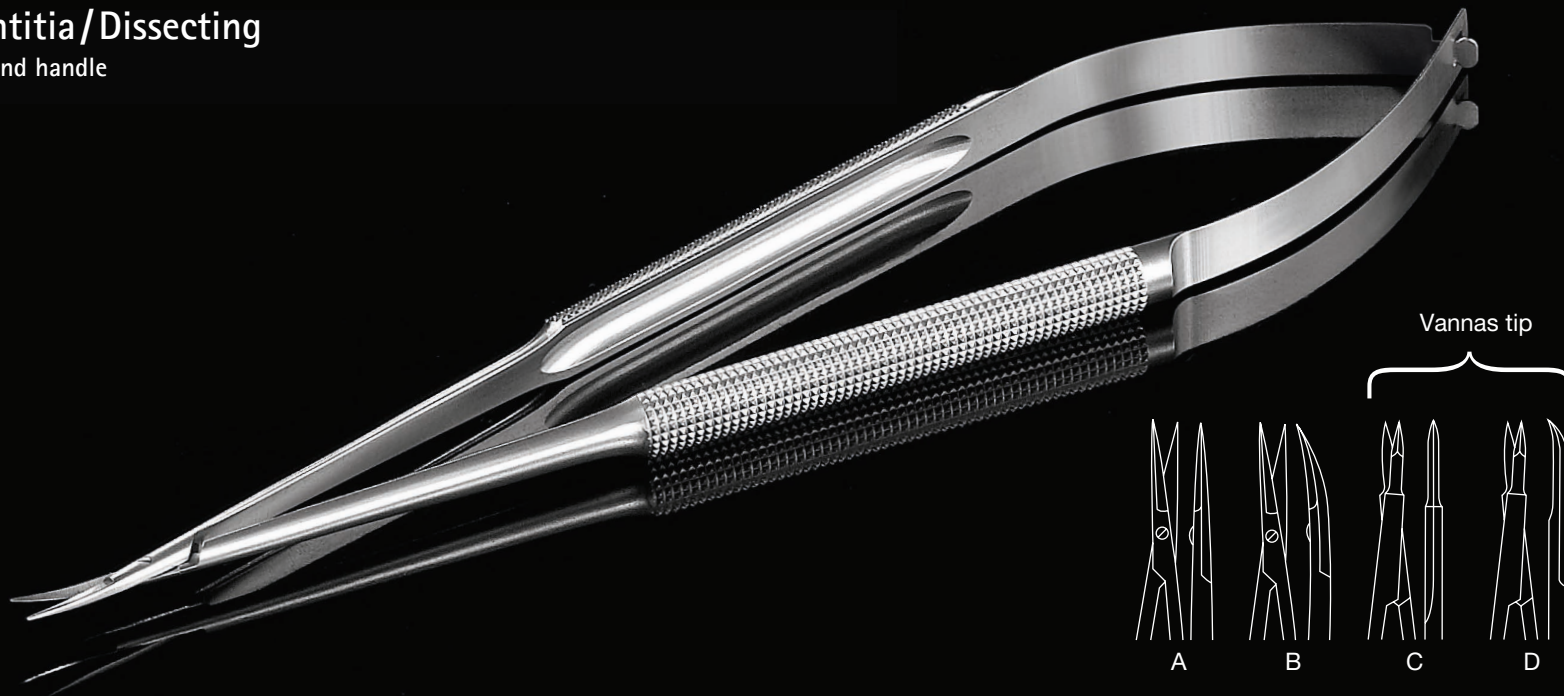


Fig.	Length mm/"	Blades	Handle	Art.-No.	Fig.	Length mm/"	Blades	Handle	Art.-No.
A	150/6	short (6 mm)	R8	03-0055	A	180/7	short (6 mm)	R8	03-0075
B	150/6	short (6 mm)	R8	03-0056	B	180/7	short (6 mm)	R8	03-0076
C	150/6	short (6 mm)	R8	03-0055.VA	A	180/7	long (9 mm)	R8	03-0085
D	150/6	short (6 mm)	R8	03-0056.VA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

Scissors with extra delicate micro tips

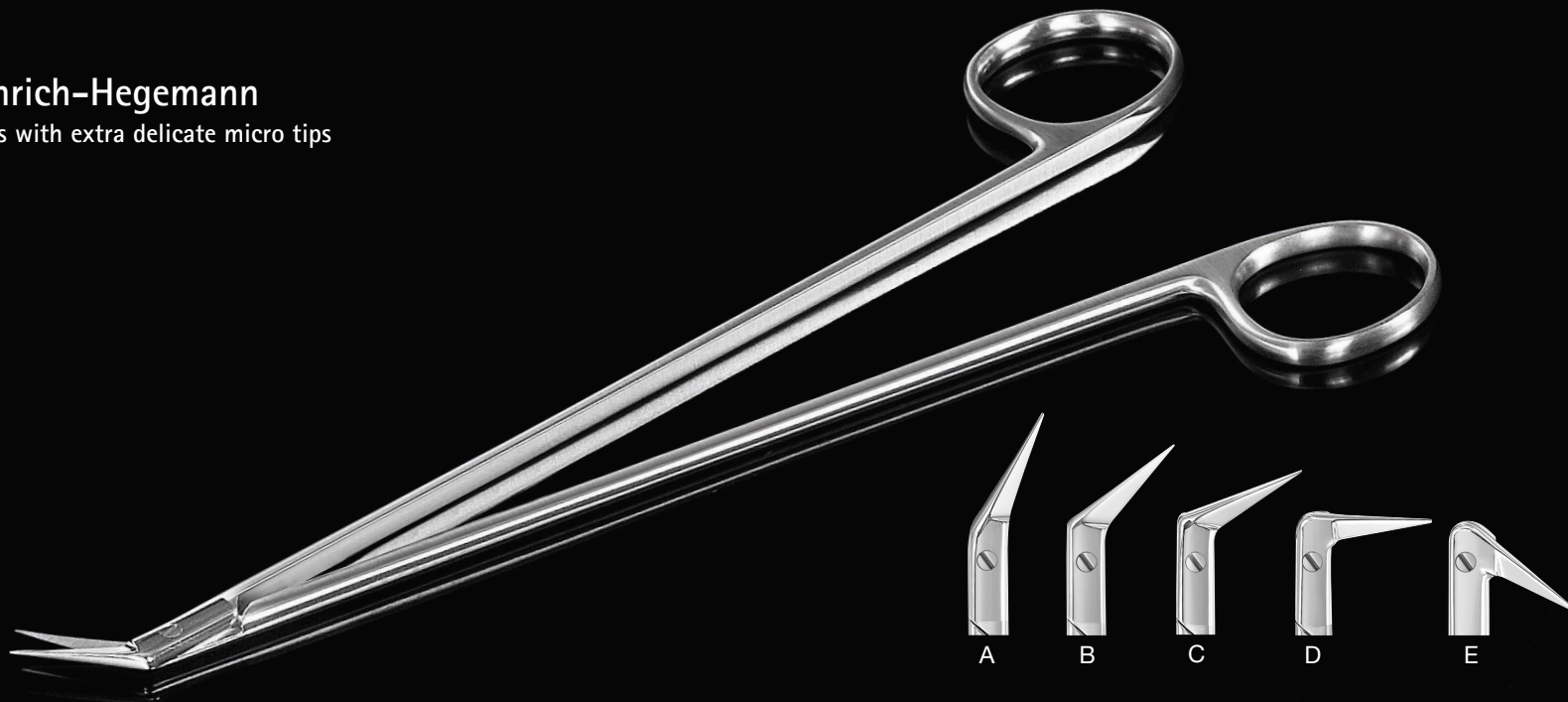


Fig.	Length mm/"	✂	Art.-No. regular	Art.-No. super cut	Art.-No. nano blades	Art.-No. nano super cut
A	180/7	25°	26-4100	26-4100.SC	26-4300	26-4300.SC
B	180/7	45°	26-4102	26-4102.SC	26-4302	26-4302.SC
C	180/7	60°	26-4104	26-4104.SC	26-4304	26-4304.SC
D	180/7	90°	26-4106	26-4106.SC	26-4306	26-4306.SC
E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



Fairgrip™ ultra Streamline with ratchet



for sutures 8-0
and smaller



A



B

for sutures 6-0
and smaller



C



D

for sutures 5-0
and smaller



E

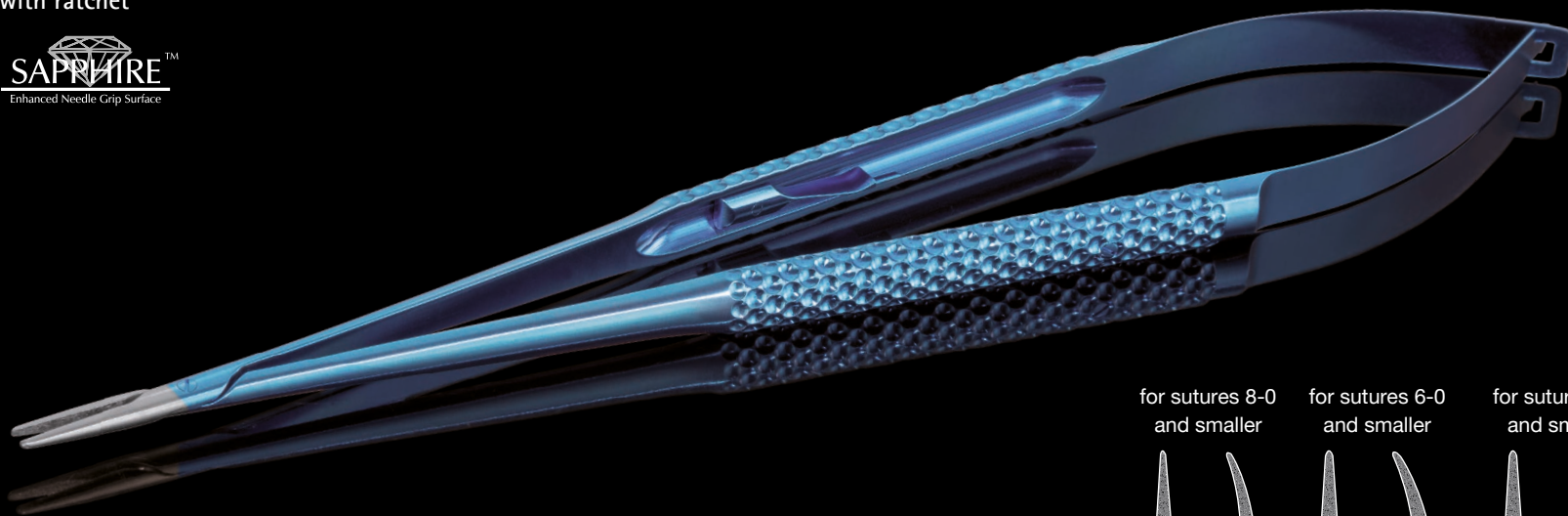


F

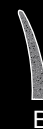
Fig.	Length mm/"	jaw	Art.-No.	Fig.	Length mm/"	jaw	Art.-No.	Fig.	Length mm/"	jaw	Art.-No.
A	180/7	0.4 x 12	03-0650.04	A	210/8¼	0.4 x 12	03-0655.04	A	230/9	0.4 x 12	03-0660.04
B	180/7	0.4 x 12	03-0651.04	B	210/8¼	0.4 x 12	03-0656.04	B	230/9	0.4 x 12	03-0661.04
C	180/7	0.8 x 12	03-0650.08	C	210/8¼	0.8 x 12	03-0655.08	C	230/9	0.8 x 12	03-0660.08
D	180/7	0.8 x 12	03-0651.08	D	210/8¼	0.8 x 12	03-0656.08	D	230/9	0.8 x 12	03-0661.08
E	180/7	1.2 x 12	03-0650	E	210/8¼	1.2 x 12	03-0655	E	230/9	1.2 x 12	03-0660
F	180/7	1.2 x 12	03-0651	F	210/8¼	1.2 x 12	03-0656	F	230/9	1.2 x 12	03-0661
								C	260/10¼	0.8 x 12	03-0665.08
								E	260/10¼	1.2 x 12	03-0665

Fairgrip™ ultra Titanium Streamline

with ratchet

for sutures 8-0
and smaller

A



B

for sutures 6-0
and smaller

C



D

for sutures 5-0
and smaller

E



F

Fig.	Length mm/"	jaw	Art.-No.	Fig.	Length mm/"	jaw	Art.-No.	Fig.	Length mm/"	jaw	Art.-No.
A	180/7	0.4 x 12	03-0650.04TI	A	210/8¼	0.4 x 12	03-0655.04TI	A	230/9	0.4 x 12	03-0660.04TI
B	180/7	0.4 x 12	03-0651.04TI	B	210/8¼	0.4 x 12	03-0656.04TI	B	230/9	0.4 x 12	03-0661.04TI
C	180/7	0.8 x 12	03-0650.08TI	C	210/8¼	0.8 x 12	03-0655.08TI	C	230/9	0.8 x 12	03-0660.08TI
D	180/7	0.8 x 12	03-0651.08TI	D	210/8¼	0.8 x 12	03-0656.08TI	D	230/9	0.8 x 12	03-0661.08TI
E	180/7	1.2 x 12	03-0650.TI	E	210/8¼	1.2 x 12	03-0655.TI	E	230/9	1.2 x 12	03-0660.TI
F	180/7	1.2 x 12	03-0651.TI	F	210/8¼	1.2 x 12	03-0656.TI	F	230/9	1.2 x 12	03-0661.TI



Fairgrip™ ultra Heavy Streamline with ratchet



for sutures 2-0
and smaller

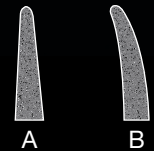


Fig.	Length mm/"	Handle	jaw	Art.-No.	Fig.	Length mm/"	Handle	jaw	Art.-No.	Fig.	Length mm/"	Handle	jaw	Art.-No.
A	190/7½	R10	2.0 x 18	03-0680	A	230/9	R10	2.0 x 18	03-0682	A	260/10¼	R10	2.0 x 18	03-0684
B	190/7½	R10	2.0 x 18	03-0681	B	230/9	R10	2.0 x 18	03-0683	B	260/10¼	R10	2.0 x 18	03-0685

Fairgrip™ ultra TC Streamline

with ratchet



TC-inserts 0,2 mm (M)
for sutures 5-0 and
smaller



Fig.	Length mm / "	jaw	Art.-No.	Fig.	Length mm / "	jaw	Art.-No.	Fig.	Length mm / "	jaw	Art.-No.
A	180/7	1.2 x 12	24-1140	A	210/8¼	1.2 x 12	24-1150	A	230/9	1.2 x 12	24-1160
B	180/7	1.2 x 12	24-1141	B	210/8¼	1.2 x 12	24-1151	B	230/9	1.2 x 12	24-1161



Micro Needle Holders

Jacobson

with or without ratchet



* extra lightweight
and delicate pattern

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

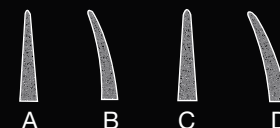
Fig.	Length mm/"	Handle	Jaw mm	Art.-No. with without ratchet		Length mm/"	Handle	Jaw mm	Art.-No. with without ratchet		Length mm/"	Handle	Jaw mm	Art.-No. with without ratchet	
A	145/5¾	R8	0.4 x 11	03-0155	03-0150	180/7	R9	0.4 x 11	03-0175	03-0170	205/8	R9	0.4 x 11	03-0195	03-0190
B	145/5¾	R8	0.4 x 11	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
A	230/9	R9	0.4 x 11	03-0215	03-0210	180/7	R8	0.3 x 11	03-0555*	–	205/8	R8	0.3 x 11	03-0565*	–
B	230/9	R9	0.4 x 11	03-0216	03-0211	180/7	R8	0.3 x 11	03-0556*	–	205/8	R8	0.3 x 11	03-0566*	–
C	230/9	R9	0.8 x 11	03-0225	03-0220						250/10	R9	0.8 x 11	03-0227	–
D	230/9	R9	0.8 x 11	03-0226	03-0221						250/10	R9	0.8 x 11	03-0228	–

Jacobson Titanium

with or without ratchet



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



universal ratchet:	Fig.	Length mm / "	Handle	Jaw mm	Art.-No.		Art.-No. universal ratchet	Fig.	Length mm / "	Handle	Jaw mm	Art.-No.		Art.-No. universal ratchet
					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	03-4575U
	B	145/5¾	R8	0.4 x 11	03-4536	03-4531		B	205/8	R8	0.4 x 11	03-4576	03-4571	03-4576U
	C	145/5¾	R8	0.8 x 11	03-4545	03-4540		C	205/8	R8	0.8 x 11	03-4585	03-4580	03-4585U
	D	145/5¾	R8	0.8 x 11	03-4546	03-4541		D	205/8	R8	0.8 x 11	03-4586	03-4581	03-4586U
	A	180/7	R8	0.4 x 11	03-4555	03-4550	03-4555U	A	235/9¼	R8	0.4 x 11	03-4577	03-4572	03-4577U
	B	180/7	R8	0.4 x 11	03-4556	03-4551	03-4551U	B	235/9¼	R8	0.4 x 11	03-4578	03-4573	03-4578U
	C	180/7	R8	0.8 x 11	03-4565	03-4560	03-4565U	C	235/9¼	R8	0.8 x 11	03-4587	03-4582	03-4587U
	D	180/7	R8	0.8 x 11	03-4566	03-4561	03-4566U	D	235/9¼	R8	0.8 x 11	03-4588	03-4583	03-4588U



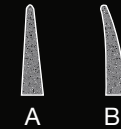
Streamline

with ratchet

SAPPHIRE™
Enhanced Needle Grip Surface



for sutures 5-0
and smaller



for sutures 6-0
and smaller



for sutures 8-0
and smaller



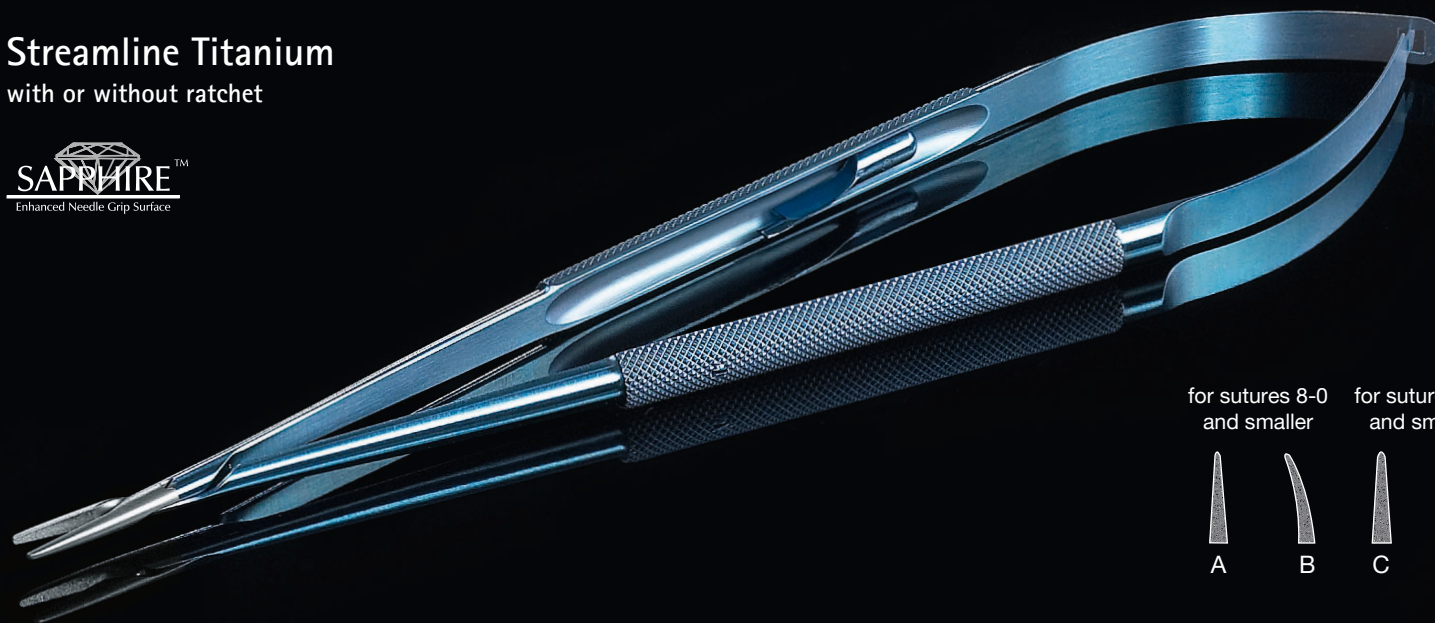
Fig.	Length mm/"	Handle	Jaw mm	Art.-No.
A	180/7	R8.5	1.2 x 12	03-0263
B	180/7	R8.5	1.2 x 12	03-0264
C	180/7	R8.5	0.8 x 12	03-0263.08
D	180/7	R8.5	0.8 x 12	03-0264.08
E	180/7	R8.5	0.4 x 12	03-0263.04
F	180/7	R8.5	0.4 x 12	03-0264.04

Fig.	Length mm/"	Handle	Jaw	Art.-No.
A	205/8	R8.5	1.2 x 12	03-0265
A	205/8	R9	1.2 x 12	03-0265C
B	205/8	R8.5	1.2 x 12	03-0266
C	205/8	R8.5	0.8 x 12	03-0265.08
C	205/8	R9	0.8 x 12	03-0265.08C
D	205/8	R8.5	0.8 x 12	03-0266.08
E	205/8	R8.5	0.4 x 12	03-0265.04
E	205/8	R9	0.4 x 12	03-0265.04C
F	205/8	R8.5	0.4 x 12	03-0266.04

Fig.	Length mm/"	Handle	Jaw mm	Art.-No.
A	230/9	R8.5	1.2 x 12	03-0267
A	230/9	R9	1.2 x 12	03-0267C
B	230/9	R8.5	1.2 x 12	03-0268
C	230/9	R8.5	0.8 x 12	03-0267.08
D	230/9	R8.5	0.8 x 12	03-0268.08
D	230/9	R9	0.8 x 12	03-0268.08C
E	230/9	R8.5	0.4 x 12	03-0267.04
F	230/9	R8.5	0.4 x 12	03-0268.04

Streamline Titanium

with or without ratchet

for sutures 8-0
and smaller

A

for sutures 6-0
and smaller

B

for sutures 5-0
and smaller

C



D



E



F

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	215/8	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	215/8	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	215/8	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	215/8	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	03-4620	215/8	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	03-4621	215/8	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 12	03-4642	03-4637	300/12	R9	1.2 x 12	03-4655	03-4650
F						230/8	R8	1.2 x 12	03-4643	03-4638	300/12	R9	1.2 x 12	03-4656	03-4651



Needle Holder

with or without ratchet, large handle, duckbill jaw



for sutures 5-0
and smaller

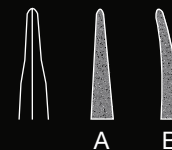
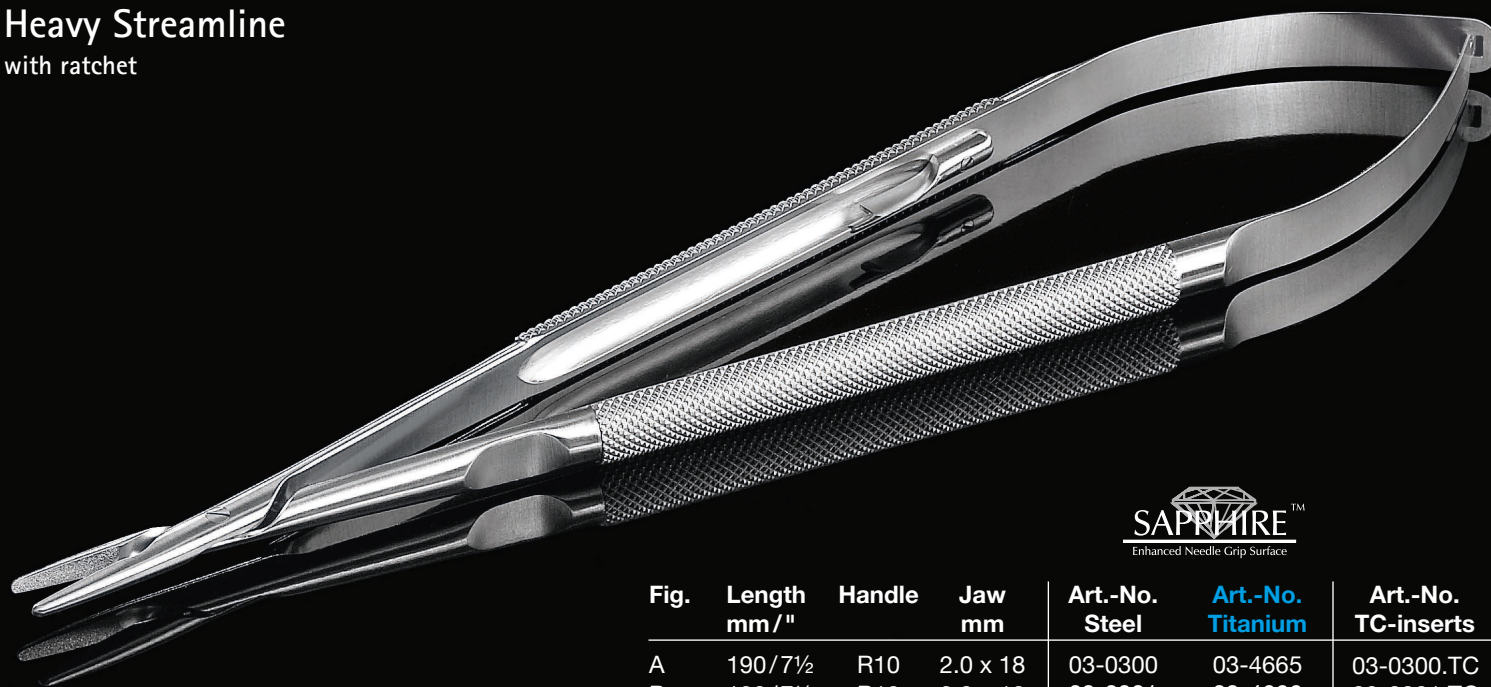


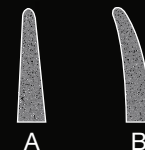
Fig.	Length mm/"	Handle	Jaw mm	Art.-No. Steel		Art.-No. Titanium	
				with ratchet	without ratchet	with ratchet	without ratchet
A	180/7	R10	1.2 x 12	03-0135	03-0130	03-4605	03-4600
B	180/7	R10	1.2 x 12	03-0136	03-0131	03-4606	03-4601
A	210/8¼	R10	1.2 x 12	03-0137		03-4615	03-4610
B	210/8¼	R10	1.2 x 12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



SAPPHIRE™
Enhanced Needle Grip Surface

Fig.	Length mm /"	Handle	Jaw mm	Art.-No. Steel	Art.-No. Titanium	Art.-No. TC-inserts	Jaw Insert pitch mm
A	190 / 7½	R10	2.0 x 18	03-0300	03-4665	03-0300.TC	Fine TC (0.4) (F)
B	190 / 7½	R10	2.0 x 18	03-0301	03-4666	03-0301.TC	Fine TC (0.4) (F)
A	230 / 9	R10	2.0 x 18	03-0310	03-4685	03-0310.TC	Fine TC (0.4) (F)
B	230 / 9	R10	2.0 x 18	03-0311	03-4686	03-0311.TC	Fine TC (0.4) (F)
A	250 / 10	R10	2.0 x 18	03-0320	03-4695	03-0320.TC	Fine TC (0.4) (F)
B	250 / 10	R10	2.0 x 18	03-0321	03-4696	03-0321.TC	Fine TC (0.4) (F)
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

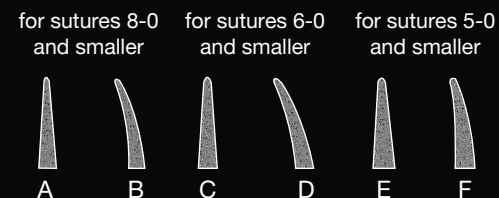


Fig.	Length mm / "	Handle	Jaw mm	Art.-No.	extra fine slim jaw	Fig.	Length mm / "	Handle	Jaw mm	Art.-No.	extra fine slim jaw
A	180/7	R8	0.4 x 11	03-0502	03-0502.SM	A	205/8	R8	0.4 x 11	03-0512	03-0512.SM
B	180/7	R8	0.4 x 11	03-0507		B	205/8	R8	0.4 x 11	03-0517	
C	180/7	R8	0.8 x 11	03-0501		C	205/8	R8	0.8 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

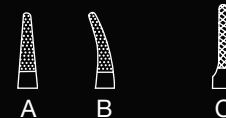


Fig.	Length mm/''	Jaw Insert pitch mm	Art.-No.	Fig.	Length mm/''	Jaw Insert pitch mm	Art.-No.	Fig.	Length mm/''	Jaw Insert pitch mm	Art.-No.
A	140/5½	Micro TC (0.2)	24-0220	A	210/8¼	Micro TC (0.2)	24-0228	A	210/8¼	Fine TC (0.4)	24-0248
B	140/5½	Micro TC (0.2)	24-0221	B	210/8¼	Micro TC (0.2)	24-0229	B	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				



Micro Needle Holders

Jacobson
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	03-0230	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 Titanium

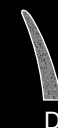
with ratchet



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



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

Microsurgical Knife



16-0032

16-0030

Art.-No.

- 16-2070 15° Microsurgical knife, blade/tip pack of 6 pieces, sterile
- 16-2075 Crescent Microsurgical knife, straight 2 mm, blade/tip pack of 6 pieces, sterile
- 16-0031 Handle for disposable knives, 18 cm Aluminium
- 16-0032 Fairgrip™ ultra Handle for disposable knives, 18 cm, Aluminium
- 16-0032.TI Fairgrip™ ultra Handle for disposable knives, 18 cm, Titanium
- 16-0030 Handle for disposable knives, 18 cm stainless steel
- 16-0030.DF PANDOR™ Handle for disposable knives, 18 cm, stainless steel
- 16-5050 Handle for disposable knives, 9.5 cm

16-2075

16-2070



Needle Holders

Geister

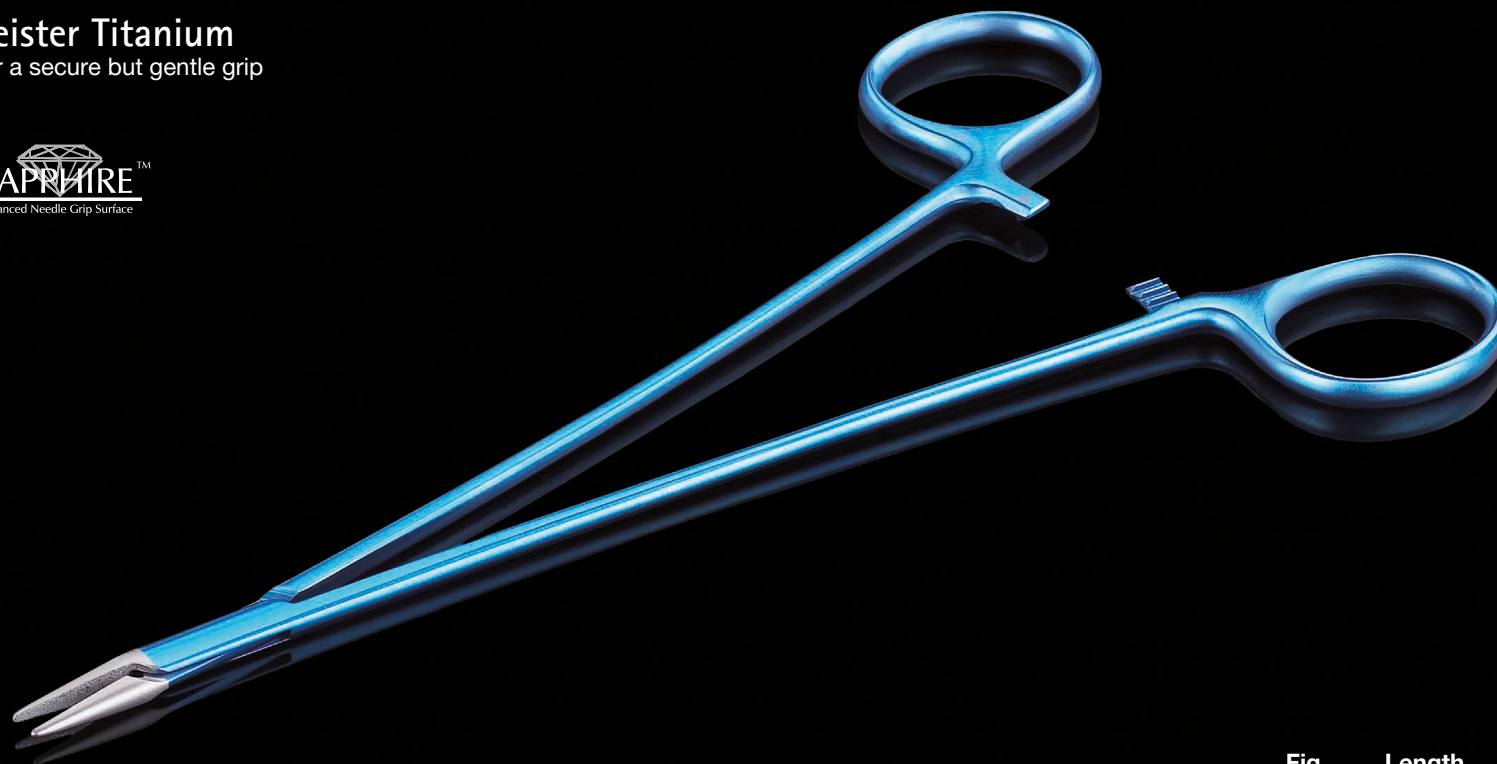
For a secure but gentle grip

for sutures 7-0
and smaller

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 Titanium

For a secure but gentle grip



for sutures 7-0
and smaller



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



Fairgrip™ ultra Tying Forceps
with platform

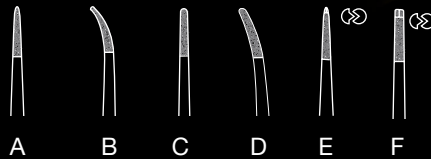
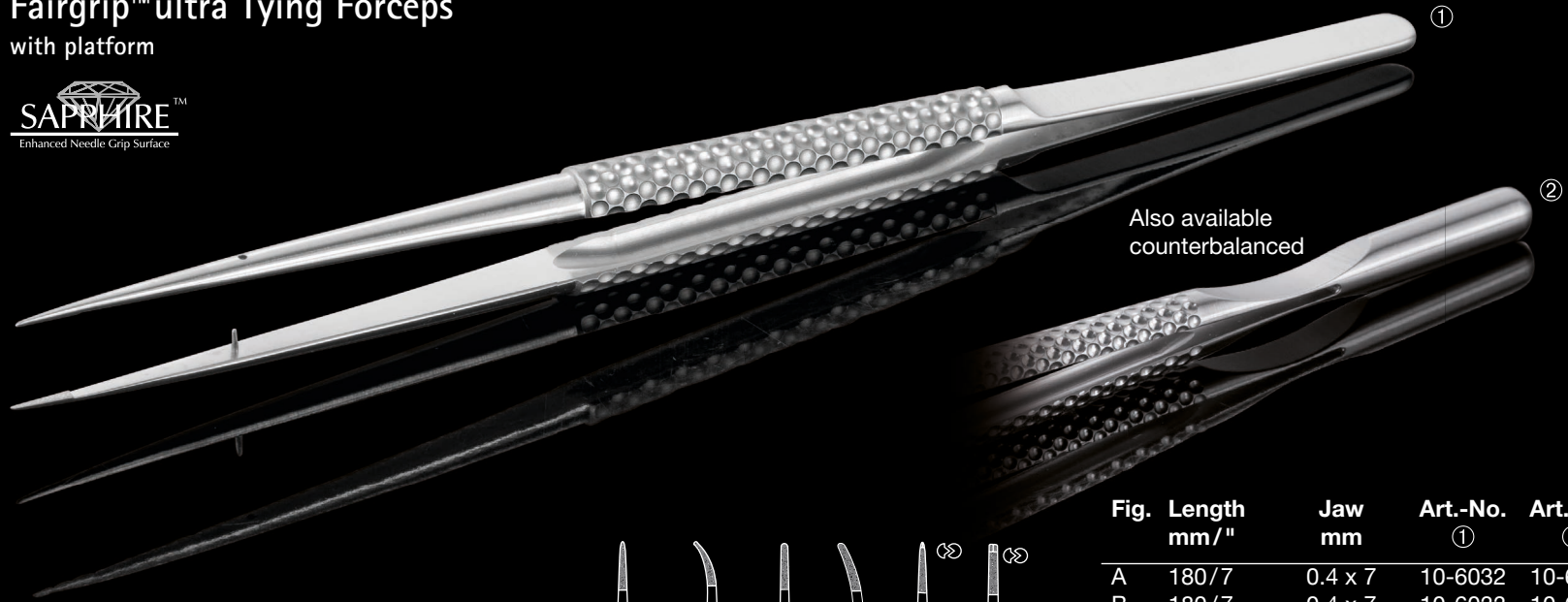


Fig.	Length mm/"	Jaw mm	teeth	Art.-No. ①
E	180/7	0.4	1 x 2	10-6056
F	180/7	0.8	1 x 2	10-6052
E	210/8¼	0.4	1 x 2	10-6058
F	210/8¼	0.8	1 x 2	10-6054

Fig.	Length mm/"	Jaw mm	Art.-No. ①	Art.-No. ②
A	180/7	0.4 x 7	10-6032	10-6332
B	180/7	0.4 x 7	10-6033	10-6333
C	180/7	0.8 x 7	10-6030	10-6330
D	180/7	0.8 x 7	10-6031	10-6331
A	210/8¼	0.4 x 7	10-6036	10-6336
B	210/8¼	0.4 x 7	10-6037	10-6337
C	210/8¼	0.8 x 7	10-6034	10-6334
D	210/8¼	0.8 x 7	10-6035	10-6335
A	230/9	0.4 x 7	10-6047	-
C	230/9	0.8 x 7	10-6045	-
C	260/10¼	0.8 x 7	10-6048	-

Fairgrip™ ultra Titanium Tying Forceps with platform

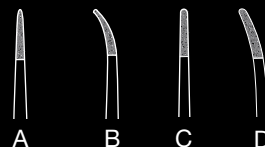
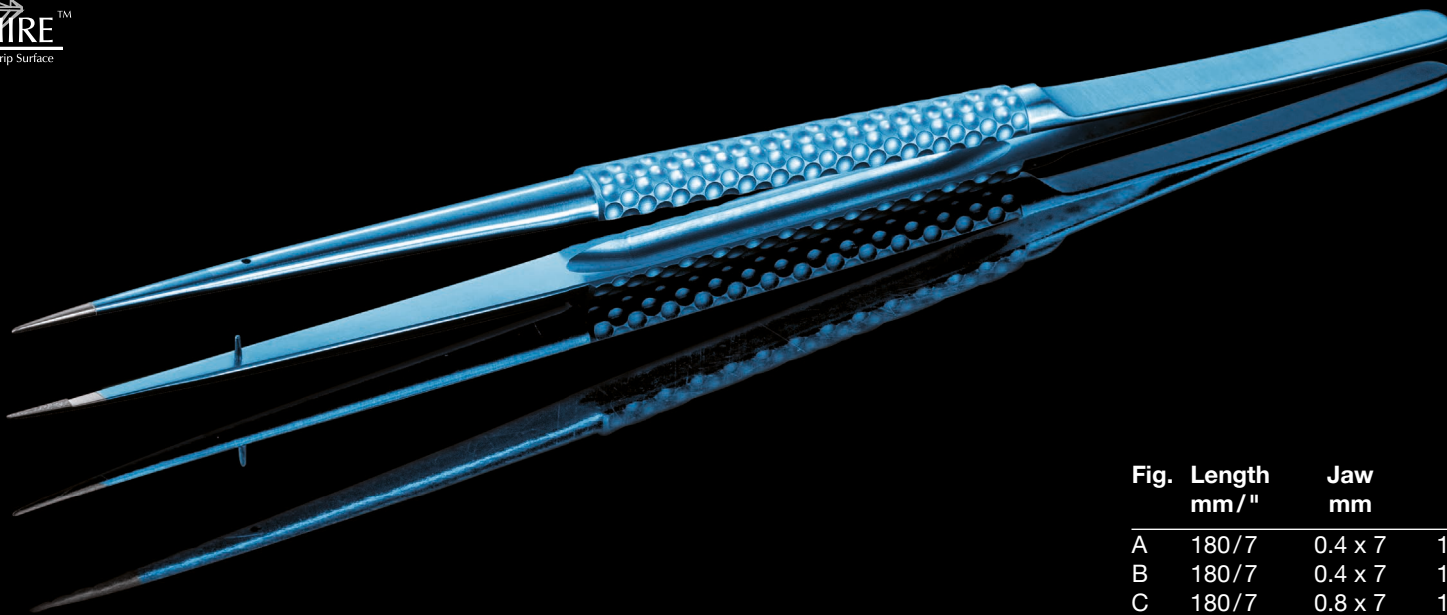


Fig.	Length mm / "	Jaw mm	Art.-No.
A	180/7	0.4 x 7	10-6032.TI
B	180/7	0.4 x 7	10-6033.TI
C	180/7	0.8 x 7	10-6030.TI
D	180/7	0.8 x 7	10-6031.TI
A	210/8¼	0.4 x 7	10-6036.TI
B	210/8¼	0.4 x 7	10-6037.TI
C	210/8¼	0.8 x 7	10-6034.TI
D	210/8¼	0.8 x 7	10-6035.TI
A	230/9	0.4 x 7	10-6047.TI
C	230/9	0.8 x 7	10-6045.TI



Fairgrip™ ultra Forceps

Ring Tip



Fig.	Length mm/"	Ring Ø mm	Art.-No.	
			①	②
A	180/7	0.5 x 1.0	10-6010	10-6310
B	180/7	0.5 x 1.0	10-6011	10-6311
A	210/8¼	0.5 x 1.0	10-6012	10-6312
B	210/8¼	0.5 x 1.0	10-6013	10-6313
A	230/9	0.5 x 1.0	10-6014	10-6314
B	230/9	0.5 x 1.0	10-6015	10-6315

Fairgrip™ ultra Titanium Forceps

Ring Tip

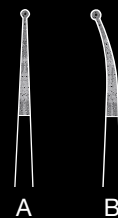


Fig.	Length mm/"	Ring Ø mm	Art.-No.
A	180/7	0.5 x 1.0	10-6010.TI
B	180/7	0.5 x 1.0	10-6011.TI
A	210/8¼	0.5 x 1.0	10-6012.TI
B	210/8¼	0.5 x 1.0	10-6013.TI
A	230/9	0.5 x 1.0	10-6014.TI
B	230/9	0.5 x 1.0	10-6015.TI



Fairgrip™ ultra
with DeBakey Jaws

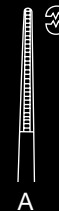


Fig.	Length mm/''	jaw mm	Art.-No.
A	180/7	1.0	10-6060
A	210/8¼	1.0	10-6065
A	230/9	1.0	10-6076
A	250/107	1.0	10-6070

Fairgrip™ ultra Titanium

with DeBakey Jaws

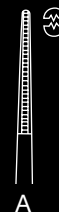
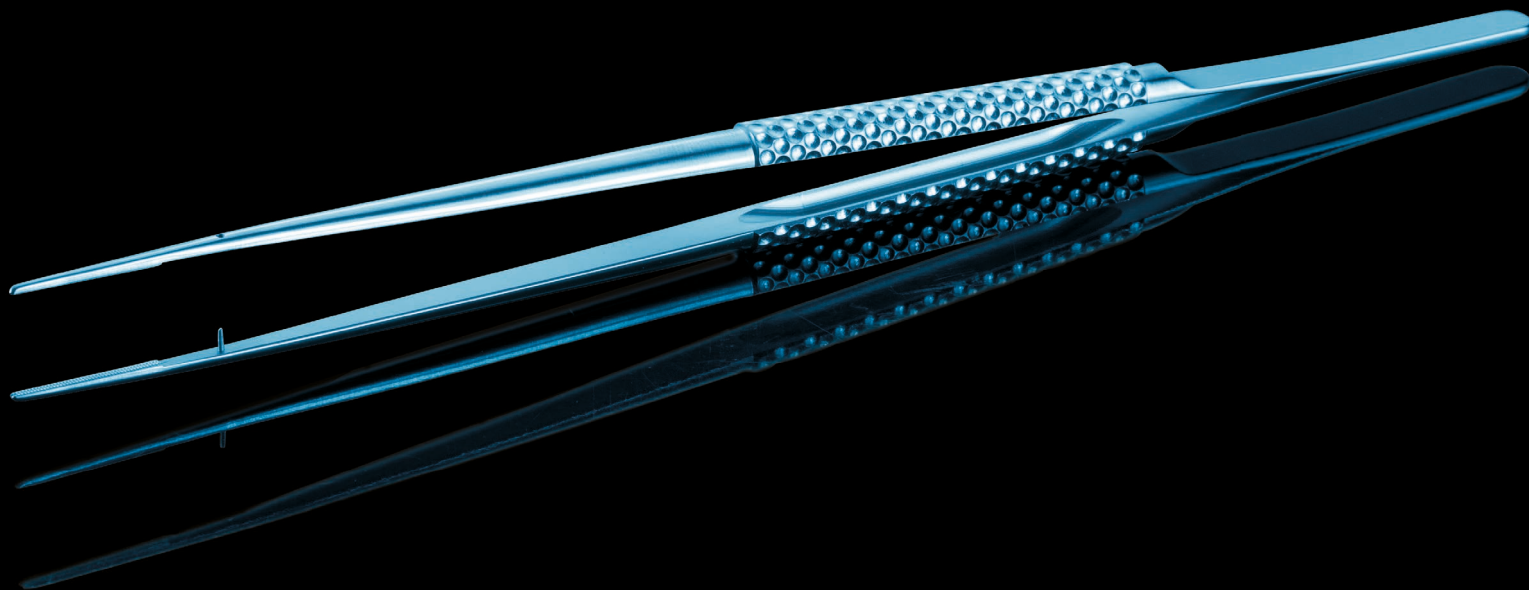


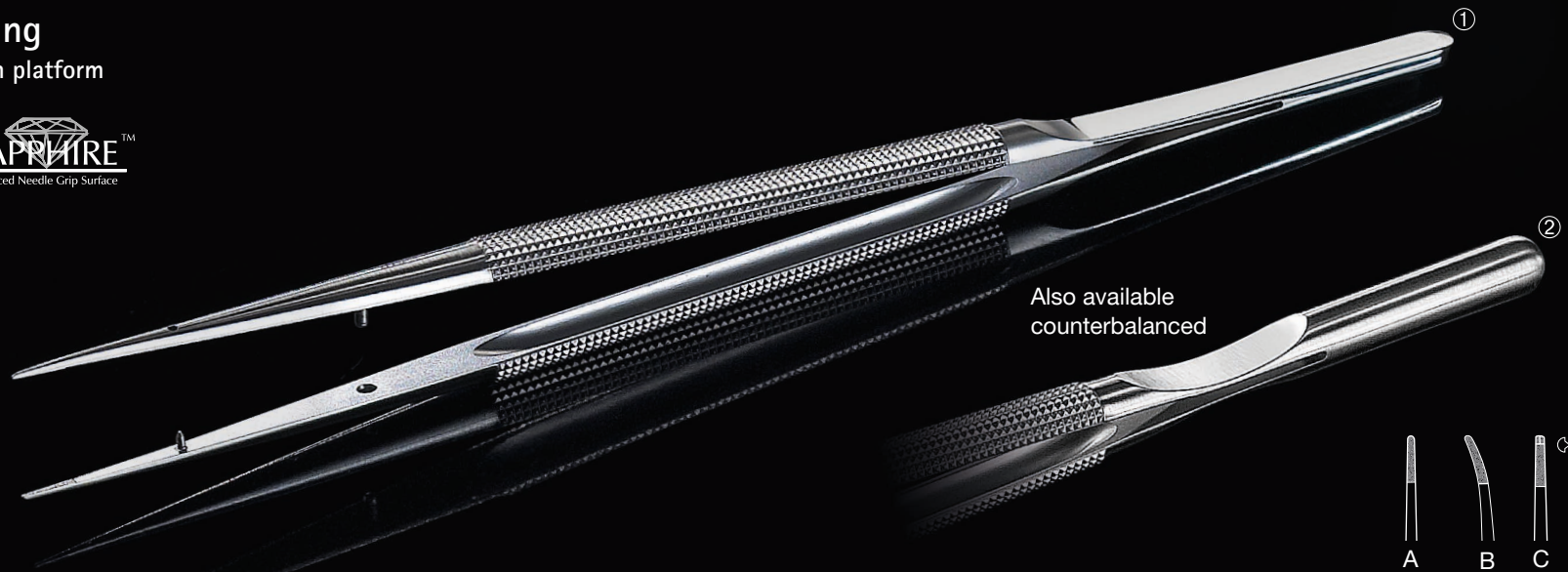
Fig.	Length mm/"	jaw mm	Art.-No.
A	180/7	1.0	10-6060.TI
A	210/8¼	1.0	10-6065.TI
A	230/9	1.0	10-6076.TI
A	250/10	1.0	10-6070.TI



Tying

with platform

SAPPHIRE™
Enhanced Needle Grip Surface



Also available
counterbalanced

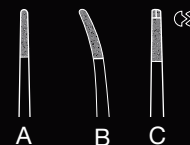


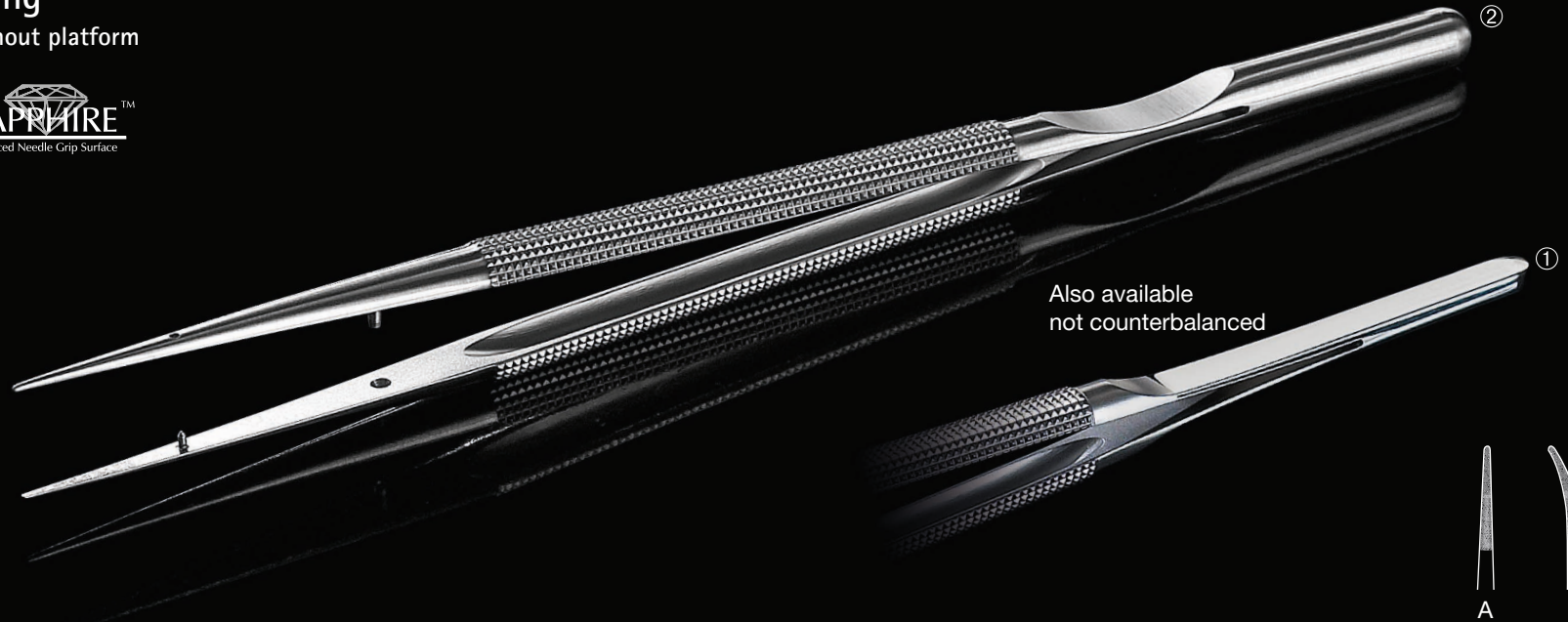
Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②
A	150/6	0.4 x 6	-	10-3550		A	210/8¼	0.4 x 6	-	10-3570	10-3870	B	230/9	0.8 x 6	-	10-3586	
B	150/6	0.4 x 6	-	10-3555		B	210/8¼	0.4 x 6	-	10-3575	10-3875	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

SAPPHIRE™
Enhanced Needle Grip Surface



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					

Titanium Ring Tip

counter balanced


SAPPHIRE™
Enhanced Needle Grip Surface

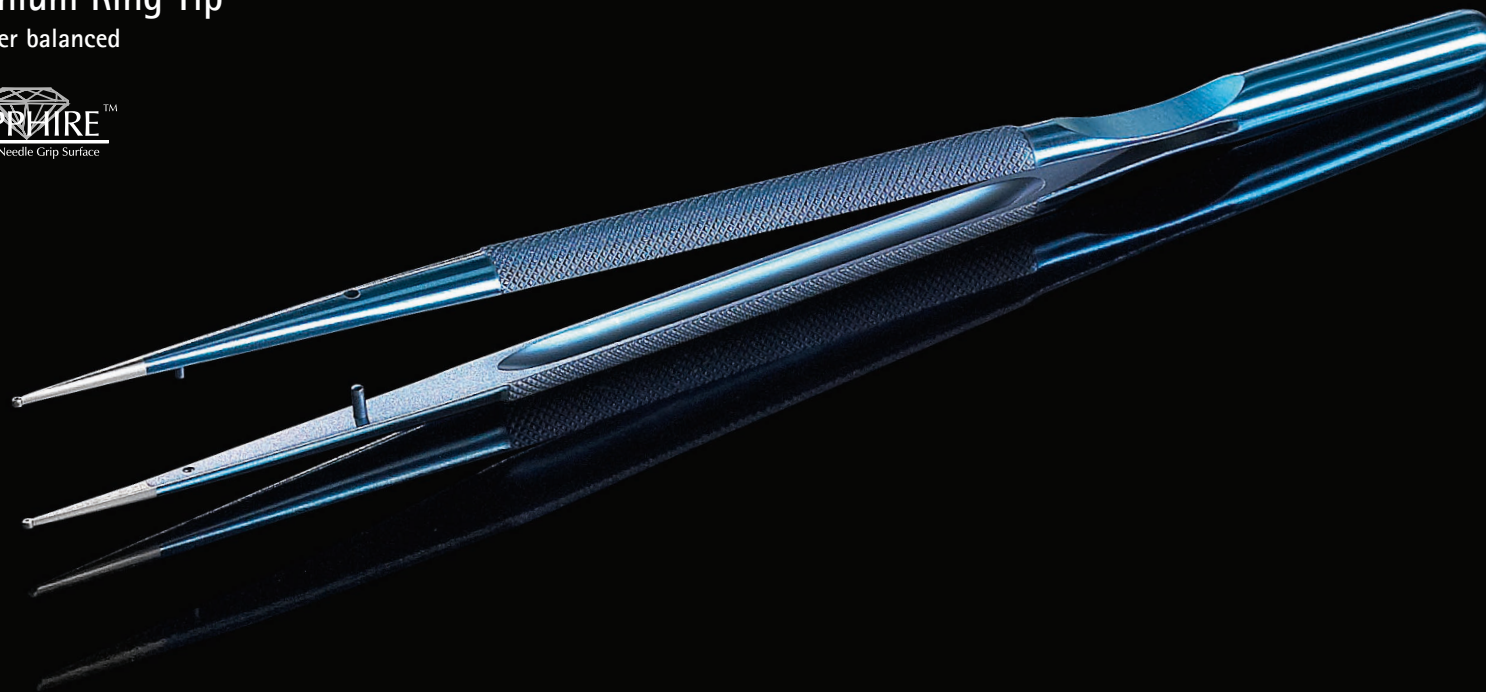
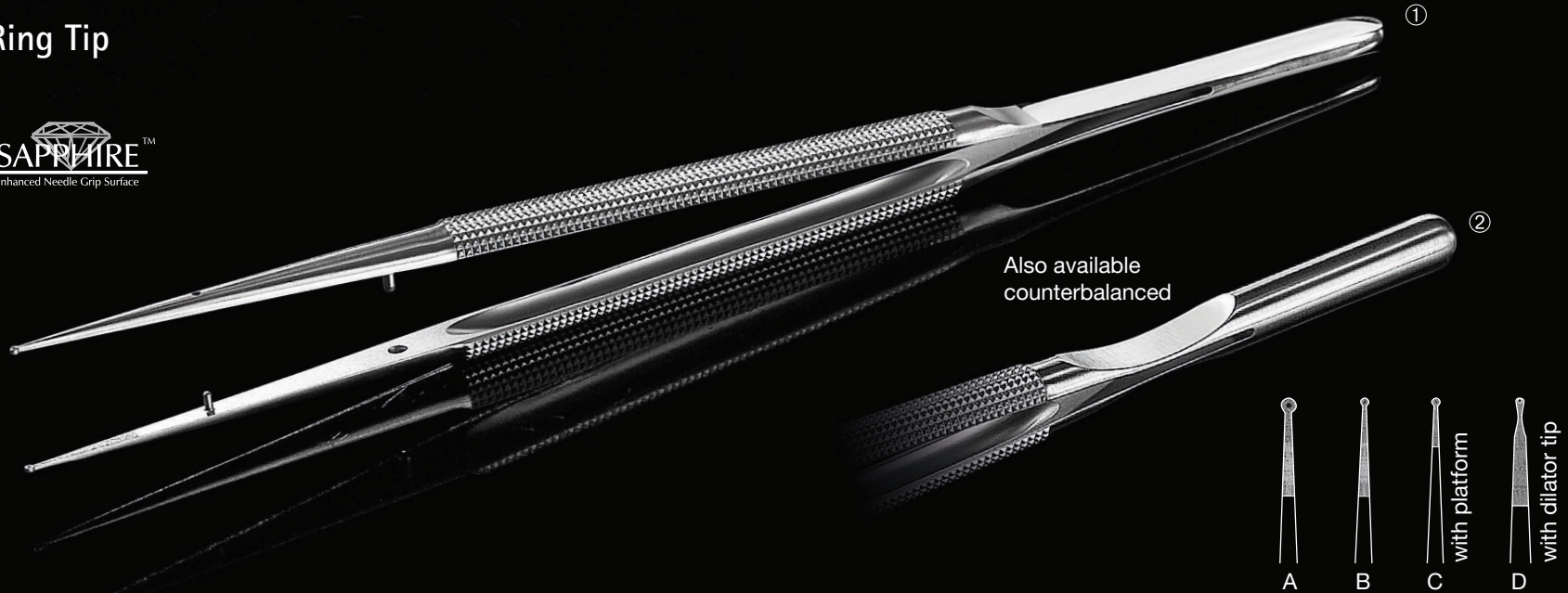


Fig.	Length mm / "	Ring Ø mm	Art.-No.
B	180/7	0.5 x 1.0	10-4000
B	210/8¼	0.5 x 1.0	10-4001
B	230/9	0.5 x 1.0	10-4002
B	250/10	0.5 x 1.0	10-4003



Ring Tip

SAPPHIRE™
Enhanced Needle Grip Surface



Also available
counterbalanced

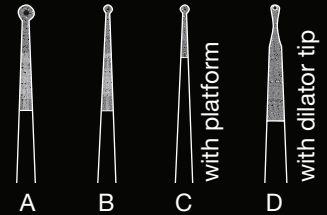


Fig.	Length mm/"	Ring Ø mm	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Ring Ø mm	Art.-No. ①	Art.-No. ②
A	150/6	1.3 x 2.0	10-3615	10-3915	B	210/8¼	0.5 x 1.0	10-3630	10-3930
A	180/7	1.3 x 2.0	10-3625	10-3925	B	230/9	0.5 x 1.0	10-3640	10-3940
A	210/8¼	1.3 x 2.0	10-3635	10-3935	B	250/10	0.5 x 1.0	10-3646	10-3946
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

Titanium Ring Tip

SAPPHIRE™
Enhanced Needle Grip Surface

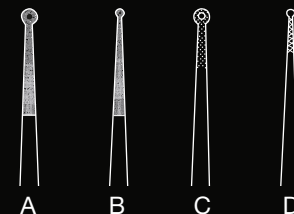
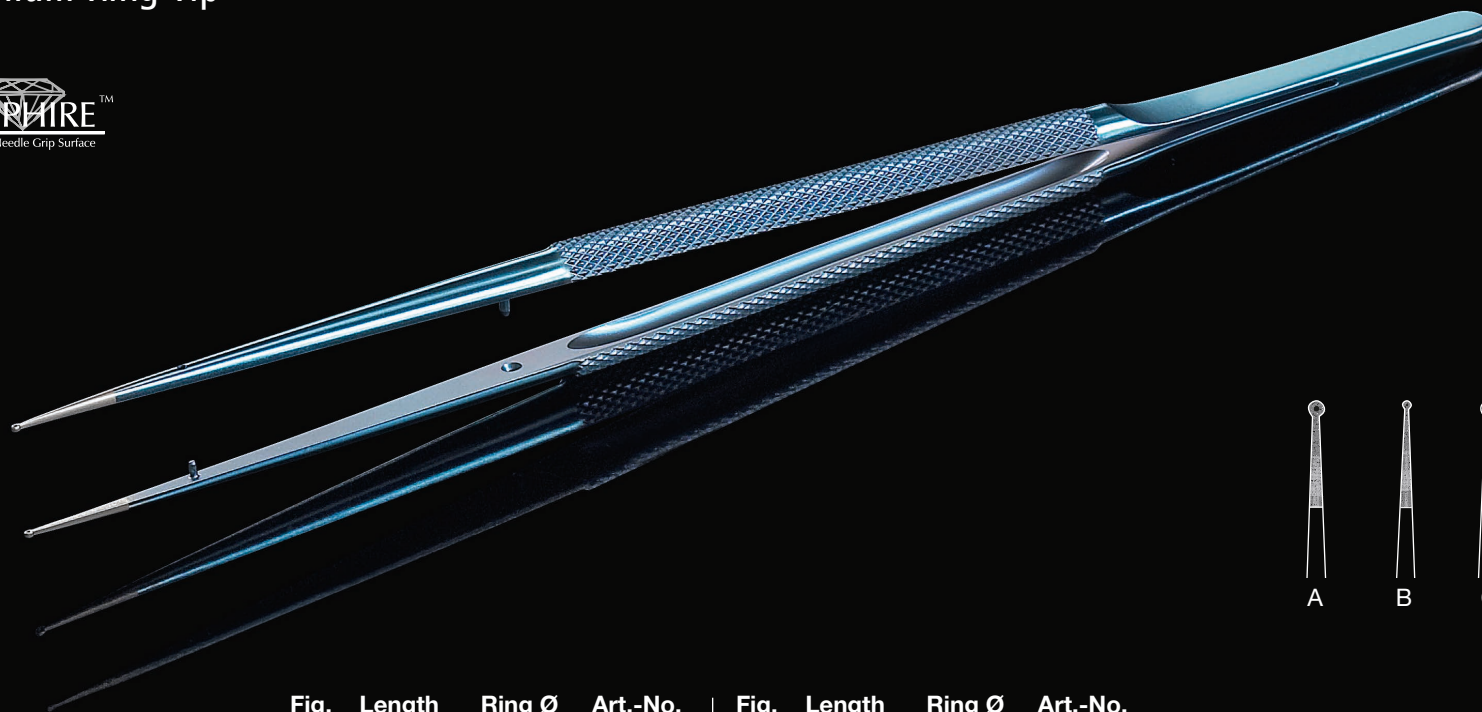


Fig.	Length mm/"	Ring Ø mm	Art.-No.	Fig.	Length mm/"	Ring Ø mm	Art.-No.
A	150/6	1.3 x 2.0	10-4011	B	150/6	0.5 x 1.0	10-4021
A	180/7	1.3 x 2.0	10-4013	B	180/7	0.5 x 1.0	10-4023
A	210/8¼	1.3 x 2.0	10-4031	B	210/8¼	0.5 x 1.0	10-4033
C	150/6	1.3 x 2.0	10-4015*	D	150/6	0.5 x 1.0	10-4025*
C	180/7	1.3 x 2.0	10-4016*	D	180/7	0.5 x 1.0	10-4026*

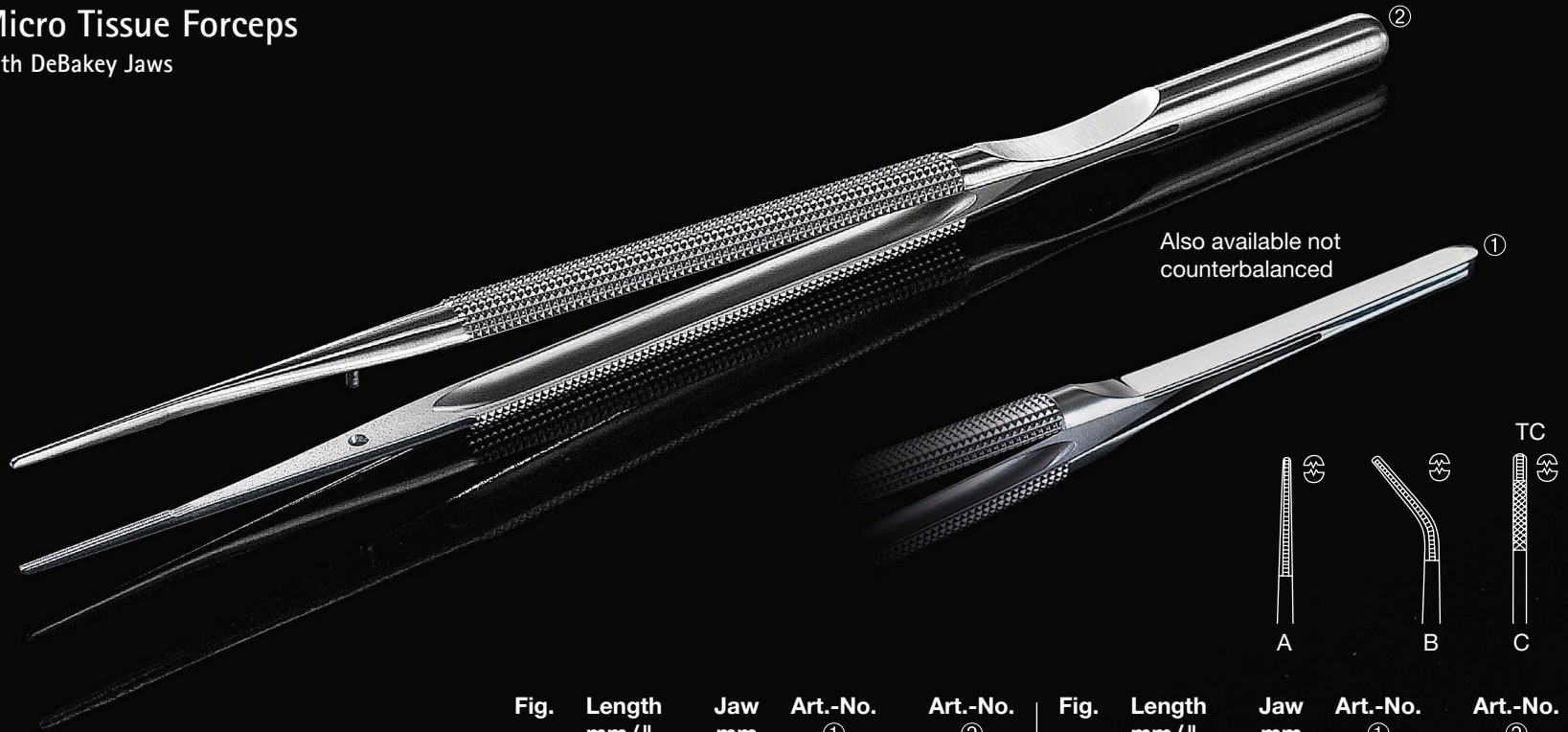
* ring serrated, without SAPPHIRE™
(Fig.C and D)

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



Micro Tissue Forceps

with DeBakey Jaws



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	-

Micro Tissue Forceps Titanium

with DeBakey Jaws

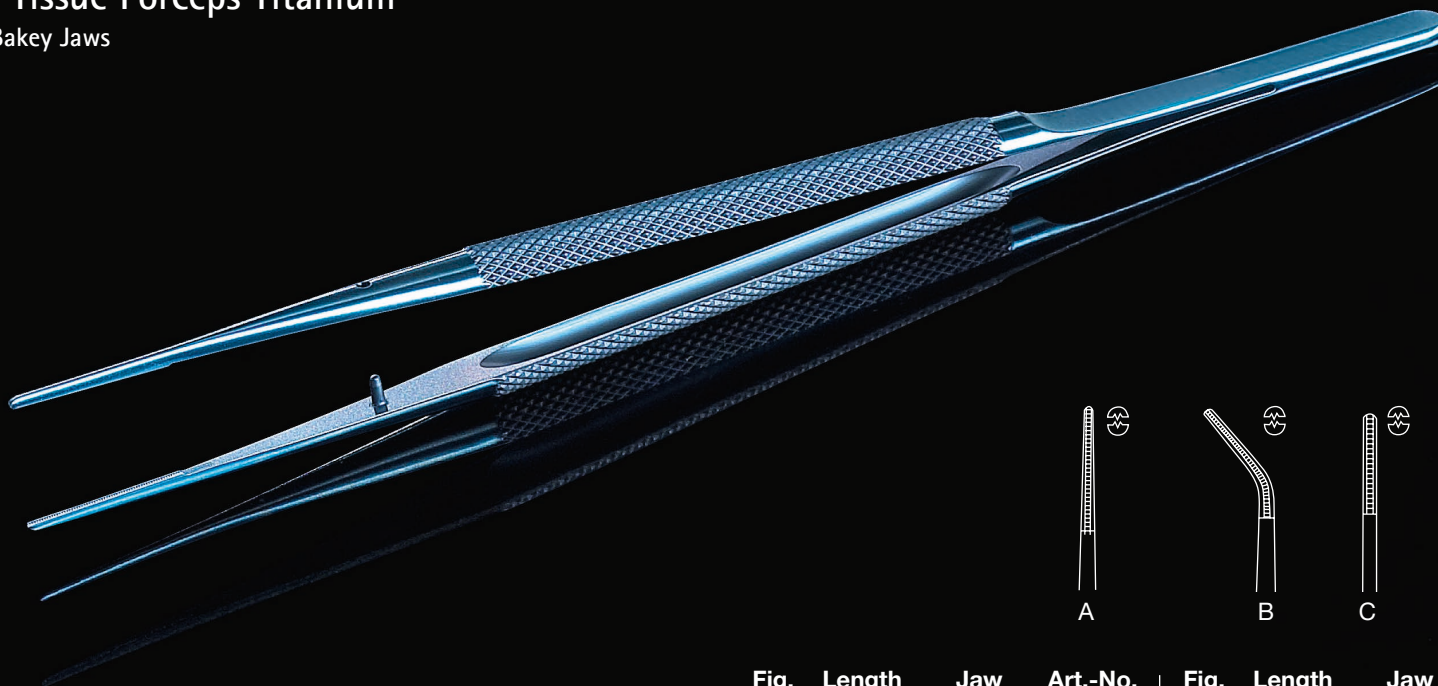
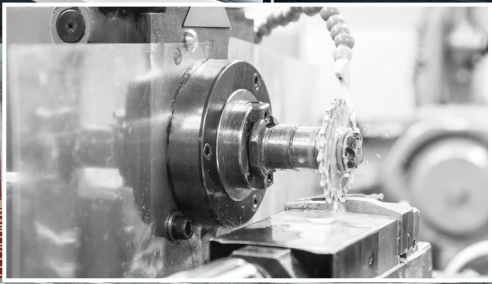


Fig.	Length mm / "	Jaw mm	Art.-No.	Fig.	Length mm / "	Jaw mm	Art.-No.
A	150/6	1.0	10-4090	A	210/8¼	1.0	10-4100
B	150/6	1.0	10-4091	B	210/8¼	1.0	10-4101
A	180/7	1.0	10-4095	C	210/8¼	1.8	10-4102
B	180/7	1.0	10-4096				
C	180/7	1.8	10-4098				
D	180/7	1.8	10-4099				



MANUFACTURER

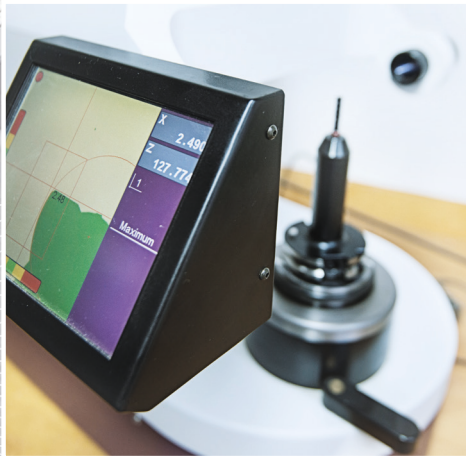
Manufacturing and craftsmanship know-how passed down for generations.

Our company was founded in 1984. From the beginning we had the goal to supply the surgical industry and the surgeons worldwide with outstanding products to support them in the care of their patients.

Today we are one of the leading German manufacturers of surgical instruments and accessories. Our extensive range of more than 20000 quality products for operative surgery is distributed in over 95 countries around the globe. Skilled craftsmanship and technological competence are

the basics for the measurable quality of every single instrument, which leaves our facility.

Integrity guides our conduct toward our customers, business partners and the general public. We share the core values of lived tradition with the steady pursuit of technological progress and take on our social and environmental responsibility in a global economy. Reliability, quality, service and innovation make us a preferred partner for healthcare professionals worldwide.





Ultra-lightweight Instruments for extremely delicate surgery.

- 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
- Nylon color coding

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

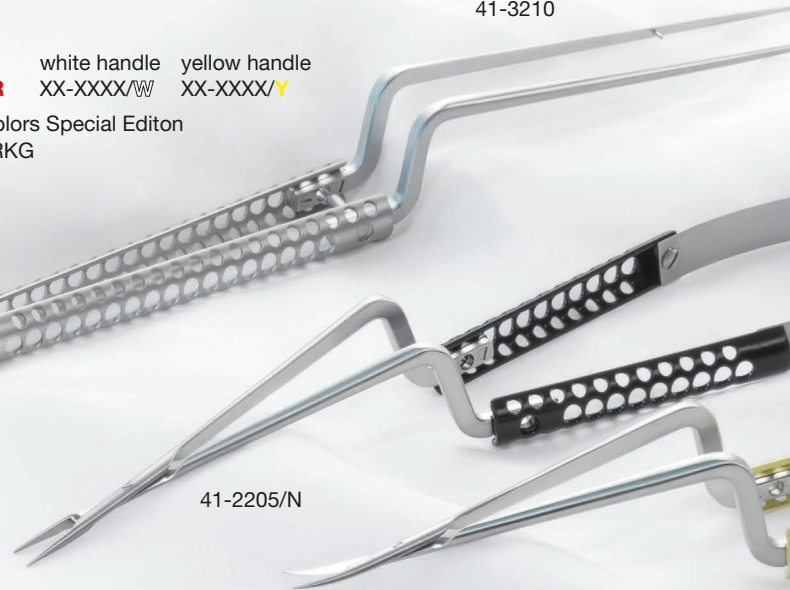
Black + White Special Edition
XX-XXXX/**WK**

German Colors Special Edition
XX-XXXX/**RKG**

41-3210



41-4508/R



41-2205/N



41-4507/Y

Micro Tissue Forceps

ultra-lightweight, straight

Art.-No.	length mm	Tip mm
41-3208	200	0,8
41-3209	200	0,4
41-3210	220	0,8
41-3211	220	0,4
41-3215	240	0,8
41-3216	240	0,4

Tumour Grasping Forceps

ultra-lightweight

Art.-No.	length mm	Tip mm
41-3228	210	2,5
41-3229	210	3,5
41-3230	240	2,5
41-3231	240	3,5

ultra-lightweight, serrated

Art.-No.	length mm	Tip mm
41-3240	210	2,5
41-3241	210	3,5
41-3245	240	2,5
41-3246	240	3,5

Micro-Needle Holder

ultra-lightweight, straight,
without ratchet, Sapphire™

Art.-No.	length mm	Insert / Tip mm
41-2205	200	◊ 0,4 x 11
41-2207	220	◊ 0,4 x 11
41-2210	240	◊ 0,4 x 11

ultra-lightweight, curved,
without ratchet, Sapphire™

Art.-No.	length mm	Insert / Tip mm
41-2206	200	◊ 0,8
41-2208	220	◊ 0,8
41-2211	240	◊ 0,8

Micro-Scissors

ultra-lightweight, straight

Art.-No.	length mm
41-4506	200
41-4508	220
41-4510	240
41-4515	270

ultra-lightweight, curved

Art.-No.	length mm
41-4507	200
41-4509	220
41-4511	240
41-4516	270

* **bold** = shown



03-1133



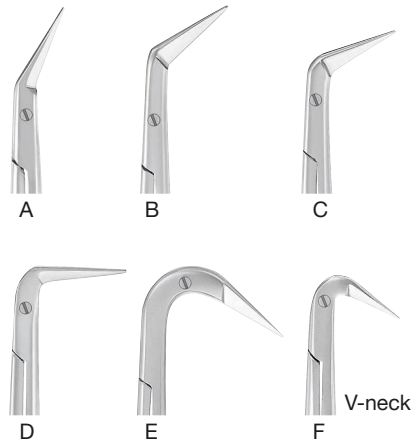
03-1133/RKG



03-1133/WK



03-1133/R



Micro Scissors

Fig.	Art.-No.	length mm	angle
A	03-1131	170	25°
B	03-1133	170	45°
C	03-1135	170	60°
D	03-1137	170	90°
E	03-1139	170	125°
F	03-1139V	170	125°

* **bold** = shown



03-3300



03-3191



03-3175



Hepp-Scheidel Needle Holder

ultra-lightweight, straight, Sapphire™

Art.-No.	length mm	Insert / Tip mm
03-3300	180	◆ 1,2
03-3300.02	180	◆ 0,2
03-3300.04	180	◆ 0,4
03-3300.08	180	◆ 0,8

for sutures 8-0
and smaller



for sutures 6-0
and smaller



Micro Needle Holders

ultra-lightweight, without ratchet, Sapphire™

Fig.	Art.-No.	length mm	Insert / Jaw mm
A	03-3170	180	◆ 0,4 x 11
B	03-3171	180	◆ 0,4 x 11
C	03-3180	180	◆ 0,8 x 11
D	03-3181	180	◆ 0,8 x 11
A	03-3190	205	◆ 0,4 x 11
B	03-3191	205	◆ 0,4 x 11
C	03-3200	205	◆ 0,8 x 11
D	03-3201	205	◆ 0,8 x 11
A	03-3210	230	◆ 0,4 x 11
B	03-3211	230	◆ 0,4 x 11
C	03-3220	230	◆ 0,8 x 11
D	03-3221	230	◆ 0,8 x 11

ultra-lightweight, with ratchet, Sapphire™

Fig.	Art.-No.	length mm	Insert / Jaw mm
A	03-3175	180	◆ 0,4 x 11
B	03-3176	180	◆ 0,4 x 11
C	03-3185	180	◆ 0,8 x 11
D	03-3186	180	◆ 0,8 x 11
A	03-3195	205	◆ 0,4 x 11
B	03-3196	205	◆ 0,4 x 11
C	03-3205	205	◆ 0,8 x 11
D	03-3206	205	◆ 0,8 x 11
A	03-3215	230	◆ 0,4 x 11
B	03-3216	230	◆ 0,4 x 11
C	03-3225	230	◆ 0,8 x 11
D	03-3226	230	◆ 0,8 x 11

* **bold** = shown



10-6620

41-3200/N

10-6620/R

10-6622/Y

10-6620/P



10-6622/B

10-6622/WK

Micro Ring Forceps

ultra-lightweight, straight, Sapphire™

Art.-No.	length mm	Insert / Jaw mm
10-6620	180	◊ 0,5 x 1
10-6622	210	◊ 0,5 x 1

Micro Forceps

with DeBakey Jaws, ultra-lightweight, straight

Art.-No.	length mm	Tip mm
10-6630	180	1
10-6632	180	1,5
10-6640	210	1
10-6642	210	1,5

* **bold** = shown

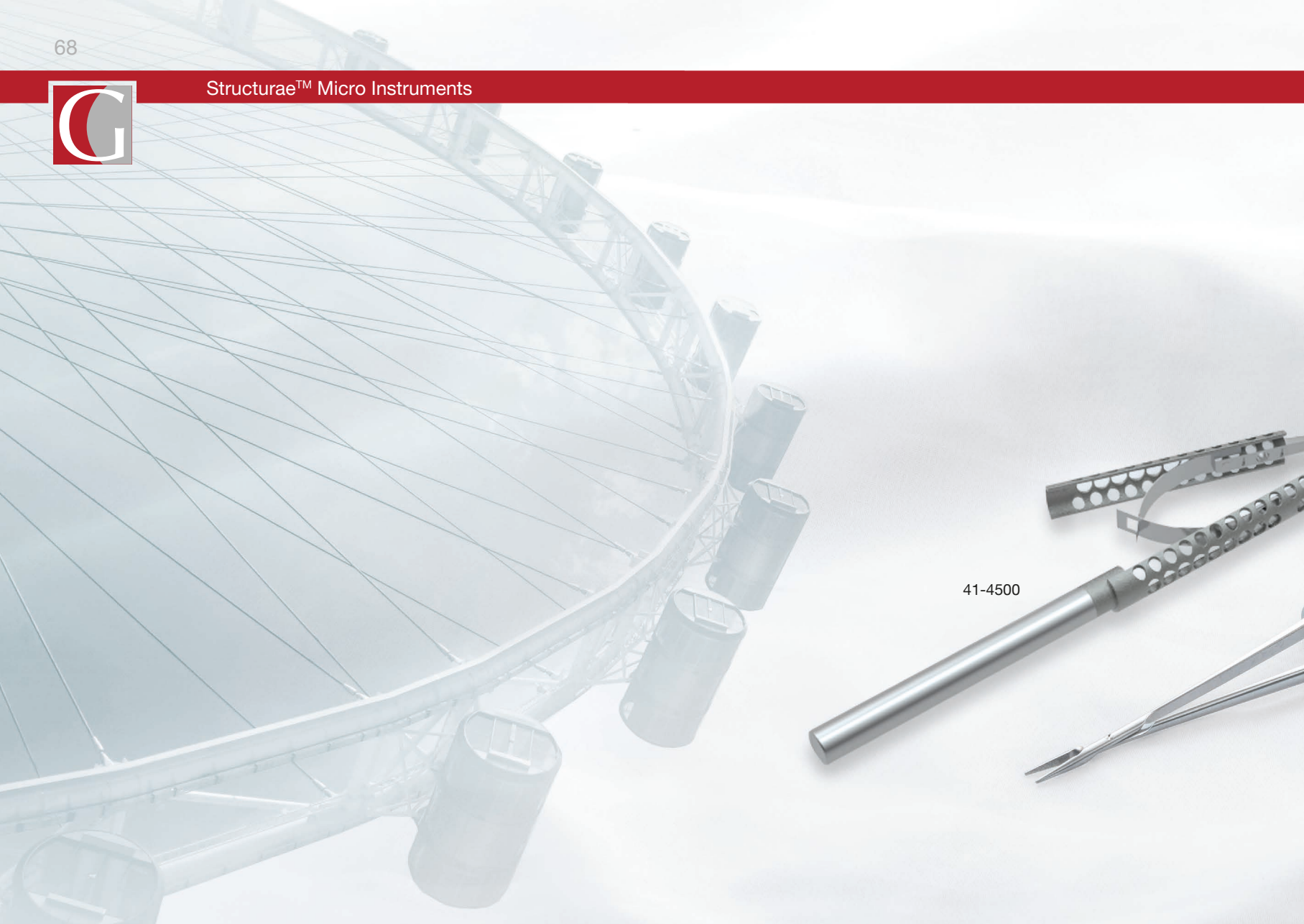
Micro Forceps

ultra-lightweight, straight

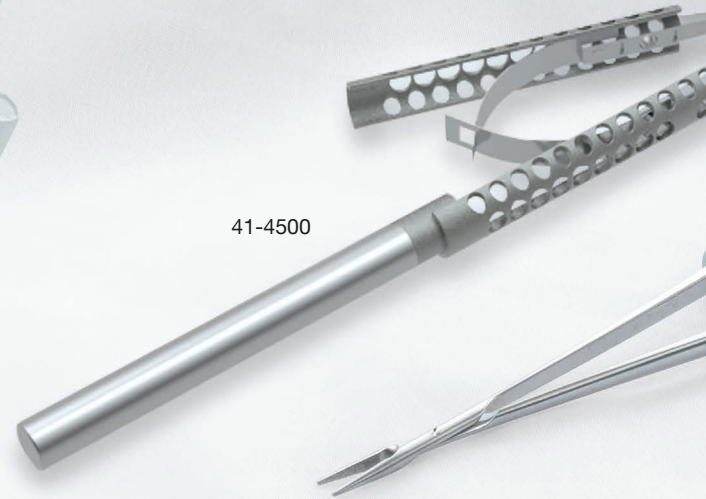
Art.-No.	length mm	Tip mm	teeth	Insert
41-3200	180	0,8		◊
41-3201	180	0,4		◊
41-3202	180	0,2		◊
41-3205	180	0,8	1 x 2	
41-3207	180	1,2	1 x 2	

ultra-lightweight, curved

Art.-No.	length mm	Tip mm	teeth
41-3206	180	0,8	1 x 2



41-4500





41-2202

One Finger-Micro Scissors

ultra-lightweight, straight

Art.-No.	length mm
41-4500	170
41-4502	200

ultra-lightweight, curved


Art.-No.	length mm
41-4501	170
41-4503	200

One Finger-Micro Needle Holders

ultra-lightweight, straight, Sapphire™

Art.-No.	length mm	Insert
41-2200	170	
41-2202	200	

ultra-lightweight, curved, Sapphire™

Art.-No.	length mm	Insert
41-2201	170	
41-2203	200	

* **bold** = shown



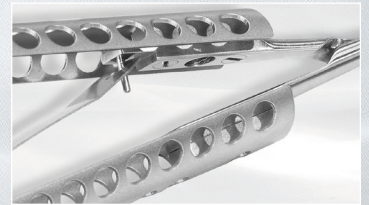
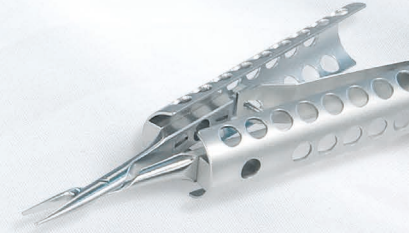
75-1000



75-1001

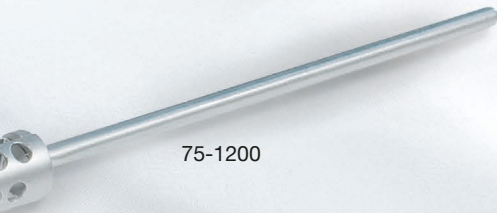


75-1101





75-1100




75-1200


- Ultra-fine instruments for micro 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

Nano Tying Forceps

ultra-lightweight, straight, Sapphire™

Art.-No.	length mm	Insert
75-1000	150	

ultra-lightweight, curved, Sapphire™

Art.-No.	length mm	Insert
75-1001	150	

Nano Scissors

ultra-lightweight, straight


Art.-No.	length mm
75-1100	150

ultra-lightweight, curved


Art.-No.	length mm
75-1101	150

Nano Needle Holders

ultra-lightweight, straight, Sapphire™

Art.-No.	length mm	Insert
75-1200	150	

ultra-lightweight, curved, Sapphire™

Art.-No.	length mm	Insert
75-1201	150	

* bold = shown





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

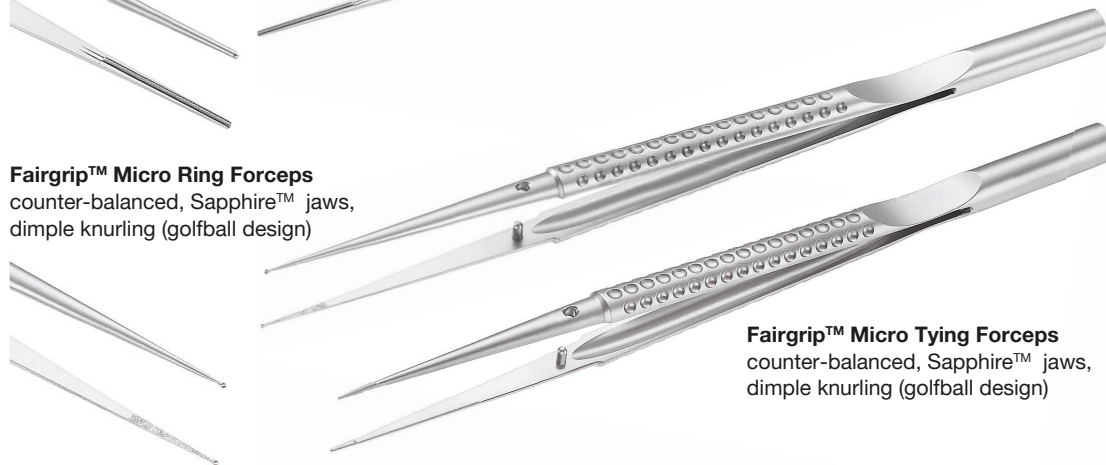
Sapphire™ jaws, dimple knurling (golfball design)

**Fairgrip™ Micro Forceps with DeBakey Jaws**

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 Forceps with DeBakey Jaws

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



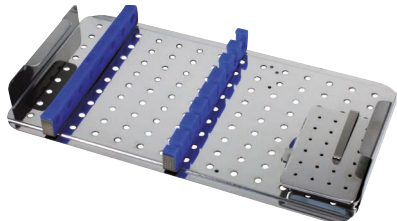
01-1650

Reconstructive Surgery Set

GEISTER®



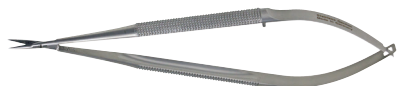
77-0090



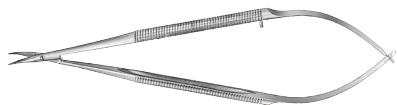
77-0091



03-0112



03-0090



03-0091



10-3038



10-3020



10-3023



10-3200



75-0072



75-0398



75-0400



75-0325



75-0416



75-0418



75-0326

Basic Reconstructive Surgery Set

01-1650 Set complete, includes

03-0090 Scissors round handle Ø 8 mm /
Length 150 mm, straight03-0091 Scissors round handle Ø 8 mm /
Length 150 mm, curved03-0112 Needle Holder round handle Ø 8 mm /
Length 150 mm, curved10-3020 Forceps round handle Ø 8 mm /
Length 150 mm, straight10-3023 Forceps round handle Ø 8 mm /
Length 150 mm, straight
Pierce bore Ø 0.3 mm10-3038 Forceps round handle Ø 8 mm /
Length 150 mm, curved

10-3200 Dilator 110 mm, 10° angulated

75-0072 Applying Forceps 140 mm, straight

75-0398 Single Clamps B-2V, 2 pieces/package

75-0400 Single Clamps B-3V, 2 pieces/package

75-0325 Single Clamps HD-SV, 2 pieces/package

75-0416 Double Clamps ABB-2V, 1 piece/package

75-0418 Double Clamps ABB-3V, 1 piece/package

75-0326 Double Clamps HD-DV, 1 piece/package

77-0090 Instrument Case 130x230x25 mm

77-0091 Rack for 8 Instruments with Clamp Box



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PANDOR™
Instruments

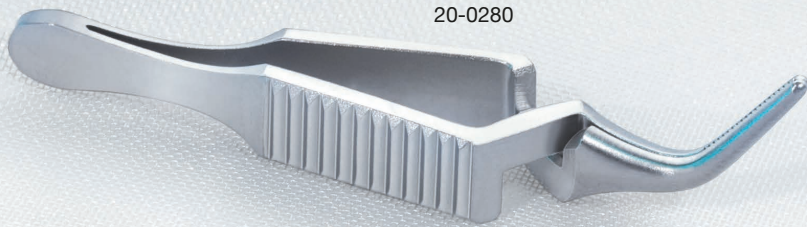


Bulldog Clamps





Micro Bulldog Clamps



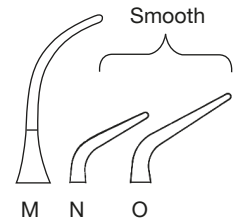
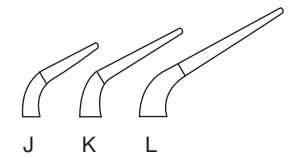
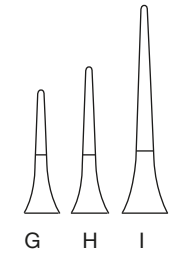
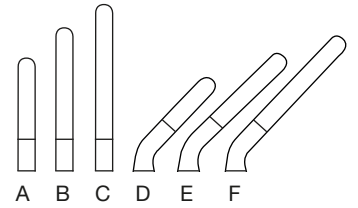
20-0280



20-0502



20-0214



Micro Bulldog Clamps

GEISTER®



Featherlight

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g	Force g
A	20-0200	31 / 1¼	10	1	170
B	20-0204	35 / 1½	12	1	150
C	20-0208	39 / 1½	16	1	120
D	20-0210	30 / 1¼	10	1	170
E	20-0214	33 / 1¼	12	1	150
F	20-0218	36 / 1½	16	1	120



Diethrich

Strong

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g	Force g
G	20-0270	48 / 1¾	8	3	170
H	20-0271	53 / 2	12	3	190
I	20-0272	59 / 2¼	17	3	200
J	20-0280	43 / 1½	8	3	215
K	20-0281	47 / 1¾	12	3	215
L	20-0282	50 / 2	19	3	210
M	20-0283	54 / 2	16	3	200
N	20-0285	44 / 1¾	13	3	200
O	20-0286	47 / 1¾	18	3	200

Standard

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g	Force g
G	20-0300	48 / 1¾	8	3	90
H	20-0301	53 / 2	12	3	95
I	20-0302	59 / 2¼	17	3	90
J	20-0310	43 / 1½	8	3	95
K	20-0311	47 / 1¾	12	3	75
L	20-0312	50 / 2	19	3	90
M	20-0313	54 / 2	16	3	90
N	20-0315	44 / 1¾	13	3	100
O	20-0316	47 / 1¾	18	3	75



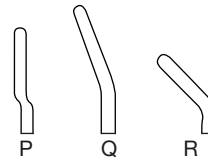
Schwartz

Stainless Steel

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
P	20-0500	26 / 1	10
Q	20-0501	27 / 1	12
R	20-0502	25 / 1	12

Titanium

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
P	20-0500.TI	26 / 1	10
Q	20-0501.TI	27 / 1	12
R	20-0502.TI	25 / 1	12



S 1/3



20-0505.TI
Schwartz Applying Forceps

Schwartz Applying Forceps

Stainless Steel

Fig.	Art.-No.	Length mm / "
	20-0505	190 / 7½

Titanium

Art.-No.	Length mm / "
20-0505.TI	190 / 7½

* bold = shown

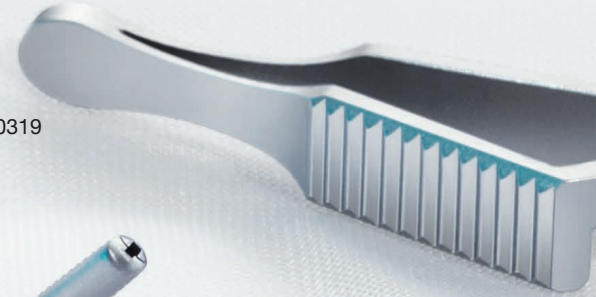


Micro and Atraumatic Bulldog Clamps



20-0346

20-0319



20-0349
Wickham Applying Forceps

Micro and Atraumatic Bulldog Clamps

GEISTER®



20-5457



20-0403



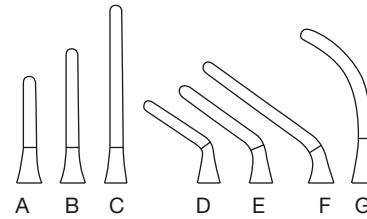
20-5440
Applying and Removing Forceps



Diethrich

with DeBaKey Jaws

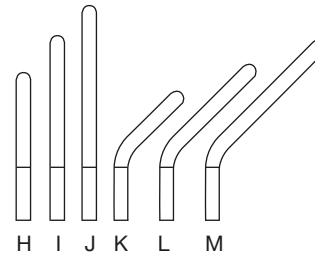
Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g	Force g
A	20-0318	47 / 1¾	10	3	180
B	20-0320	51 / 2	14	3	180
C	20-0322	57 / 2¼	20	3	180
D	20-0319	44 / 1¾	10	3	180
E	20-0321	46 / 1¾	14	3	180
F	20-0323	51 / 2	20	3	180
G	20-0324	54 / 2	20	3	180



Wickham

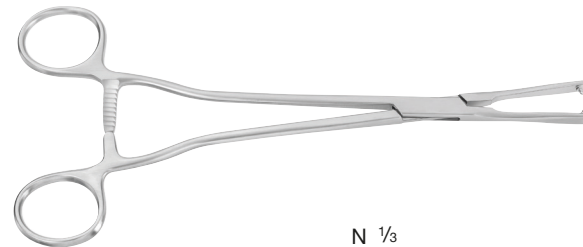
with Cooley Jaws

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g	Force g
H	20-0340	49 / 2	11	3	230
I	20-0341	54 / 2	16	3	170
J	20-0342	58 / 2¼	21	3	170
K	20-0345	47 / 1¾	11	3	170
L	20-0346	50 / 2	16	3	230
M	20-0347	53 / 2	21	3	170



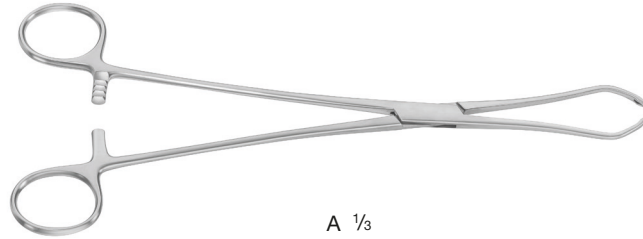
Wickham Applying Forceps

Fig.	Art.-No.	Length mm / "
N	20-0349	230 / 9

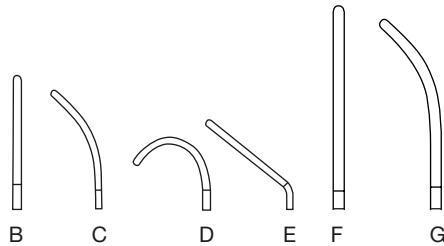


N 1/3

Micro Bulldog Clamps



A 1/3



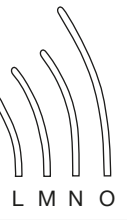
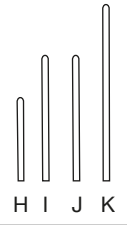
Weldon (Mini-Glover)

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g
B	20-0400	35 / 1½	14	1.2
C	20-0401	35 / 1½	14	1.2
D	20-0402	29 / 1¼	14	1.2
E	20-0403	31 / 1¼	14	1.2
F	20-0405	47 / 1¾	17	1.6
G	20-0406	45 / 1¾	17	1.6



Titanium (Mini-Glover)

Available with low occlusion pressure (approx. 110 g, marked with V) and high occlusion pressure (approx. 220 g, marked with A).



Applying and Removing Forceps

Fig.	Art.-No.	Length mm / "
A	20-5440	240 / 9½



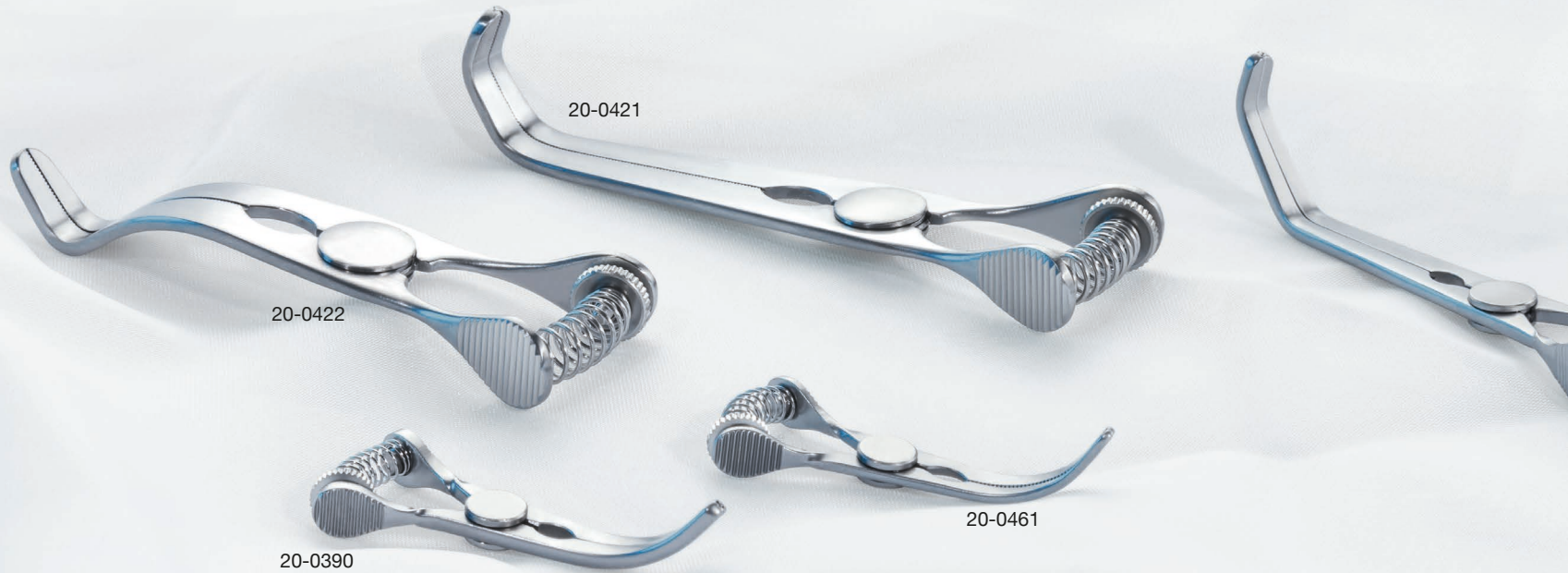
Titanium Weldon (Mini-Glover)

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g	Type
H	20-5450	30 / 1¼	13	0.8	V
H	20-5451	30 / 1¼	13	0.8	A
I	20-5452	35 / 1½	18	0.8	V
I	20-5453	35 / 1½	18	0.8	A
J	20-5454	40 / 1½	18	0.8	V
J	20-5455	40 / 1½	18	0.8	A
K	20-5456	48 / 1¾	28	0.8	V
K	20-5457	48 / 1¾	28	0.8	A
L	20-5460	30 / 1¼	13	0.8	V
L	20-5461	30 / 1¼	13	0.8	A
M	20-5462	35 / 1½	18	0.8	V
M	20-5463	35 / 1½	18	0.8	A
N	20-5464	40 / 1½	18	0.8	V
N	20-5465	40 / 1½	18	0.8	A
O	20-5466	48 / 1¾	25	0.8	V
O	20-5467	48 / 1¾	25	0.8	A
P	20-5470	30 / 1¼	12	0.8	V
P	20-5471	30 / 1¼	12	0.8	A
Q	20-5472	35 / 1½	17	0.8	V
Q	20-5473	35 / 1½	17	0.8	A
R	20-5474	40 / 1½	17	0.8	V
R	20-5475	40 / 1½	17	0.8	A
S	20-5476	45 / 1¾	23	0.8	V
S	20-5477	45 / 1¾	23	0.8	A

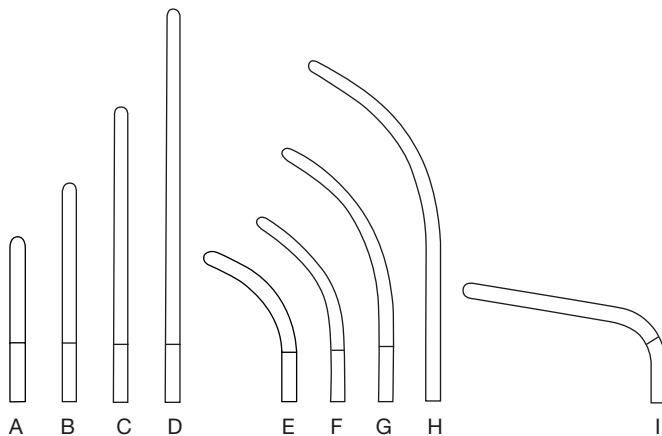
* bold = shown



Atraumatic Bulldog Clamps



Adjustable closing pressure

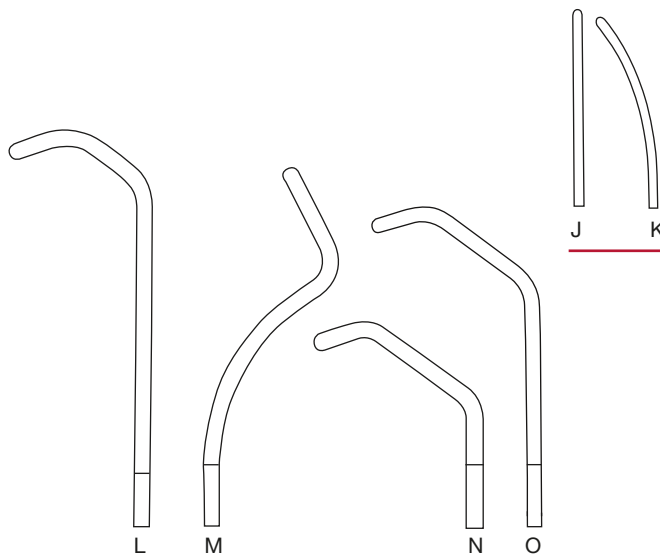


Glover (delicate)

with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	Weight g
A	20-0388	40 / 1½	16	5
B	20-0380	50 / 2	20	5
C	20-0381	70 / 2¾	32	9
D	20-0382	85 / 3¼	48	12
E	20-0389	36 / 1½	16	5
F	20-0390	46 / 1¾	20	5
G	20-0391	64 / 2½	35	9
H	20-0392	78 / 3	50	12
I	20-0395	55 / 2¼	25	7

20-0420



Jacobsen Micro

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
J	20-0460	50 / 2	22
K	20-0461	46 / 1¾	18



Satinsky

with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
L	20-0421	100 / 4	58
M	20-0422	88 / 3½	41
N	20-0419	55 / 2¼	30
O	20-0420	70 / 2¾	48



Atraumatic Bulldog Clamps



20-0452

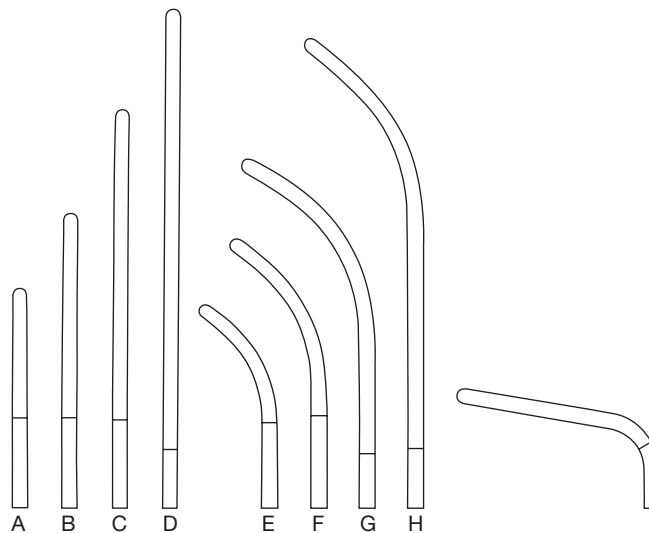
Adjustable
closing pressure



20-0442



20-0446



Glover

with DeBakey Jaws, heavy pattern, straight

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
A	20-0450	70 / 2¾	18
B	20-0451	80 / 3¼	27
C	20-0452	95 / 3¾	43
D	20-0453	115 / 4½	60

curved

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
E	20-0455	65 / 2½	20
F	20-0456	75 / 3	30
G	20-0457	85 / 3¼	43
H	20-0458	105 / 4¼	60
I	20-0459	60 / 2½	27



Glover

with Cooley Jaws, heavy pattern, straight

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
A	20-0440	70 / 2¾	18
B	20-0441	80 / 3¼	28
C	20-0442	95 / 3¾	42
D	20-0443	115 / 4½	60

curved

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
E	20-0445	65 / 2½	18
F	20-0446	75 / 3	28
G	20-0447	85 / 3¼	42
H	20-0448	105 / 4¼	60
I	20-0449	60 / 2½	28

* bold = shown



Atraumatic Bulldog Clamps



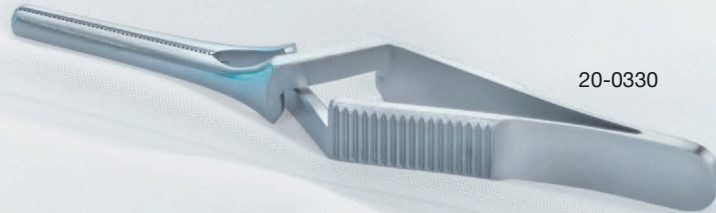
20-0375



20-0361



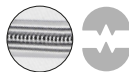
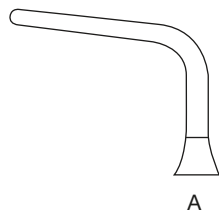
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20-0330



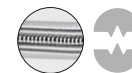
20-0378
Applying Forceps



Santulli

with DeBakey Jaw

Fig.	Art.-No.	Length mm / "	Length of Jaw mm
A	20-0375	75 / 3	30



DeBakey-type

with DeBakey Jaws, Stainless Steel

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
C	20-0350	80 / 3¼	25
D	20-0351	90 / 3½	35
E	20-0352	105 / 4¼	50
F	20-0353	125 / 5	68
G	20-0360	75 / 3	25
H	20-0361	85 / 3¼	35
I	20-0362	95 / 3¾	50
J	20-0363	115 / 4½	68

Titanium

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
C	20-0350.TI	80 / 3¼	25
D	20-0351.TI	90 / 3½	35
E	20-0352.TI	105 / 4¼	50
F	20-0353.TI	125 / 5	68
G	20-0360.TI	75 / 3	25
H	20-0361.TI	85 / 3¼	35
I	20-0362.TI	95 / 3¾	50
J	20-0363.TI	115 / 4½	68



Coolley-type

with Coolley Jaws

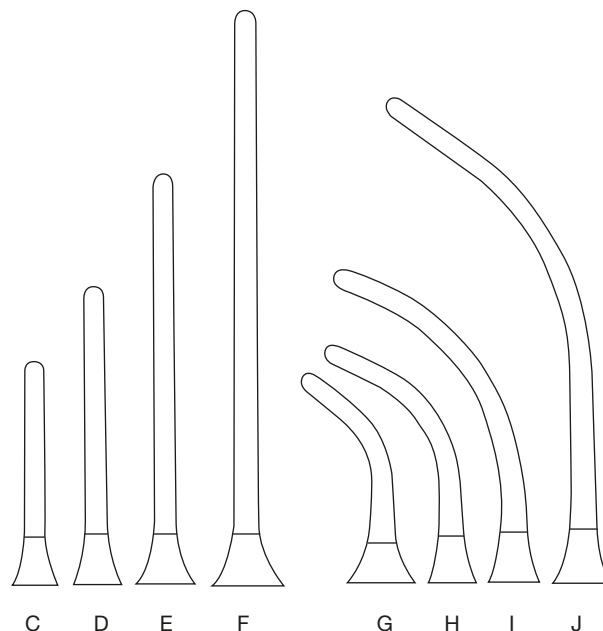
Fig.	Art.-No.	Length mm / "	Length of Jaws mm
C	20-0330	80 / 3¼	24
D	20-0331	90 / 3½	34
E	20-0332	105 / 4¼	47
F	20-0333	125 / 5	68
G	20-0336	75 / 3	24
H	20-0337	85 / 3¼	34
I	20-0338	95 / 3¾	47
J	20-0339	115 / 4½	68



Applying Forceps

for cross-action bulldog clamps

Fig.	Art.-No.	Length mm / "
B	20-0378	245 / 9¾





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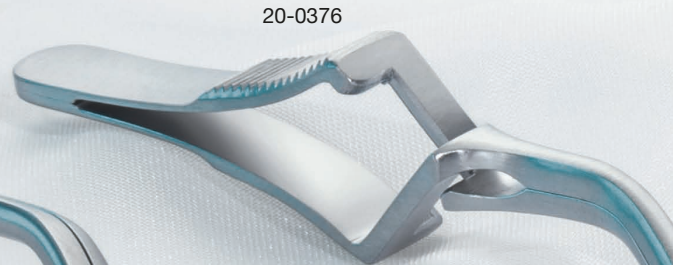
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ments. As a manufacturer of the highest quality surgical products we always want to satisfy our customers completely and sustainably and give them the best possible service, also beyond the sale. All surgical devices are guaranteed against defects in material and workmanship when used for their intended surgical purpose and cared for in accordance with recommended procedures.





Bulldog Clamps and Atraumatic Bulldog Clamps





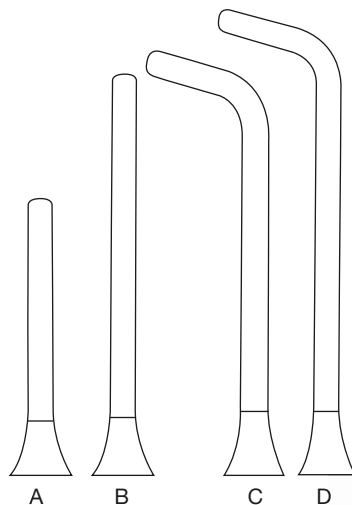
20-0371



Gregory Soft

with DeBakey Jaws

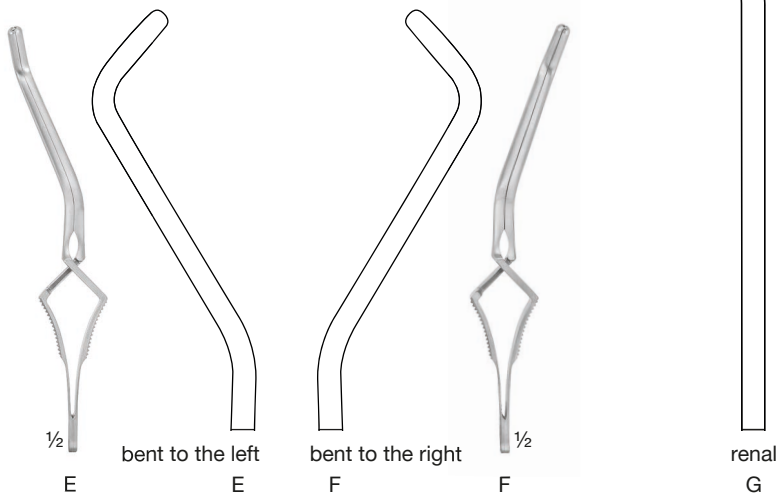
Fig.	Art.-No.	Length mm / "	Length of Jaws mm
A	20-0370	85 / 3¼	30
B	20-0371	100 / 4	45
C	20-0372	105 / 4¼	55
D	20-0373	110 / 4¼	60

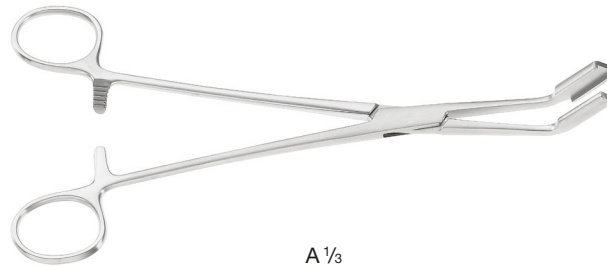


Modified Gregory Soft

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
E	20-0376	110 / 4¼	60
F	20-0377	110 / 4¼	60
G	20-0374	125 / 5	70



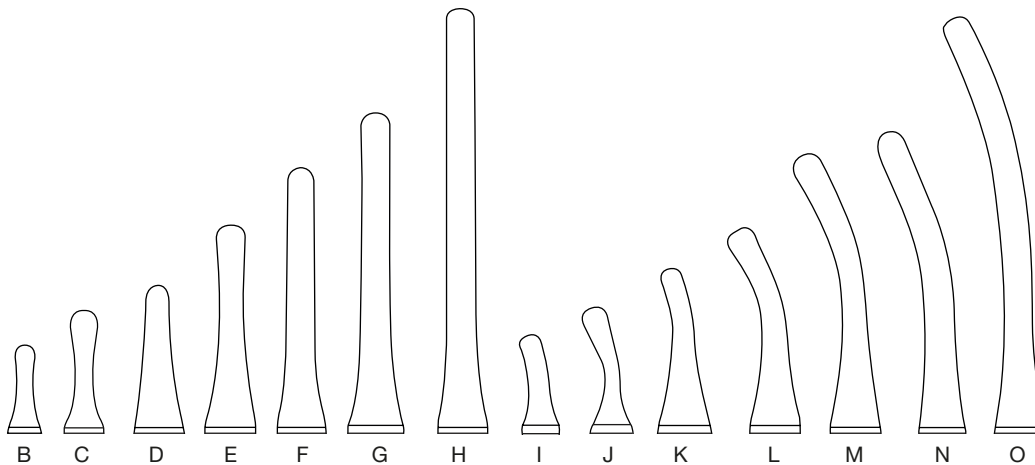


A 1/3

Applying Forceps

for cross-action bulldog clamps

Fig.	Art.-No.	Length mm / "
A	20-0378	245 / 9¾



Johns-Hopkins Bulldog Clamps

straight

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
B	20-0610	38 / 1½	12
C	20-0611	48 / 2	16
D	20-0612	57 / 2¼	20
E	20-0613	63 / 2½	28
F	20-0614	71 / 2¾	34
G	20-0615	76 / 3	39
H	20-0616	92 / 3½	56

curved

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
I	20-0620	38 / 1½	12
J	20-0621	48 / 2	16
K	20-0622	57 / 2¼	20
L	20-0623	63 / 2½	28
M	20-0624	71 / 2¾	34
N	20-0625	76 / 3	39
O	20-0626	92 / 3½	56

* bold = shown



Bulldog Clamps



20-5100.01

29-1440

20-0483



Shunt

	Length mm / "	Length of Jaws mm	10 Charr./Fr.	12 Charr./Fr.	14 Charr./Fr.
10°	75 / 3	38	20-0480	20-0485.12	20-0485.14
25°	75 / 3	37	20-0481	20-0486.12	20-0486.14
45°	70 / 2¾	34	20-0482	20-0487.12	20-0487.14
60°	65 / 2½	30	20-0483	20-0488.12	20-0488.14

Mohr

Smooth cup, curved

Art.-No.	Length mm / "	Length of Jaws mm	Width of Jaws mm
20-5100	90 / 3½	21	34
20-5100.01	90 / 3½	21	14
20-5100.02	90 / 3½	21	24
20-5100.03	90 / 3½	21	20
20-5102	135 / 5¼	21	30

Outer cup serrated, curved

Art.-No.	Length mm / "	Length of Jaw mm	Width of Jaw mm
20-5100.AR	90 / 3½	21	34

Mohr

Glue Application Bulldog

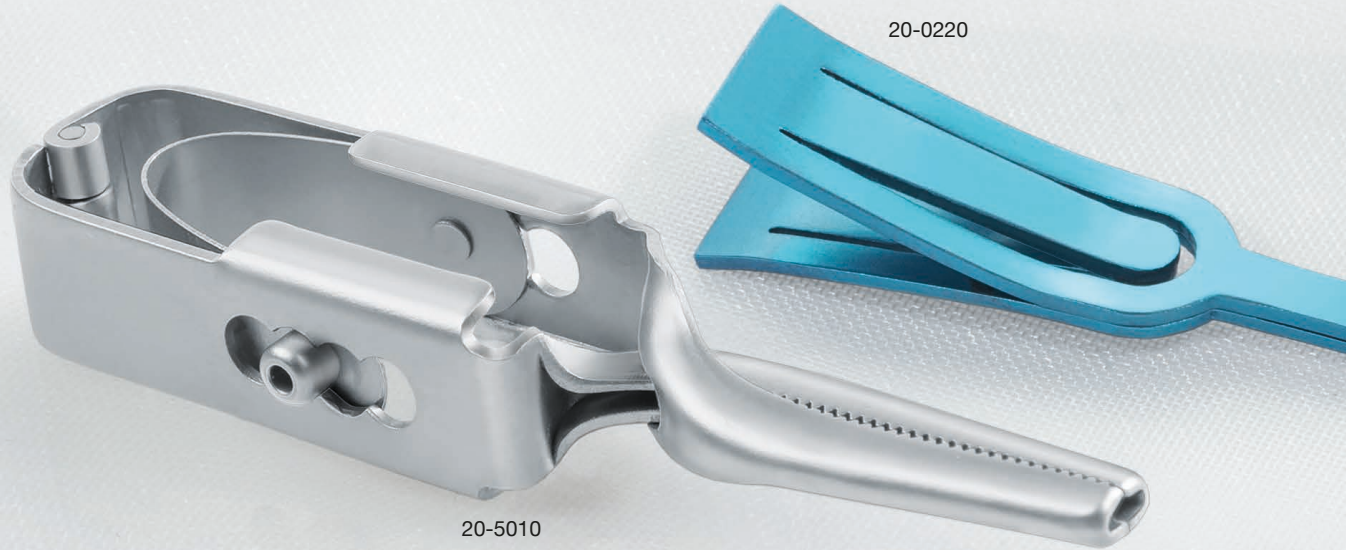


Bulldog Clamp / Holder

Art.-No.	Total Length mm / "	Ø mm
29-1440	260 / 10¼	6



Micro Clamps



20-5010



20-0220



75-0072
Applying Forceps





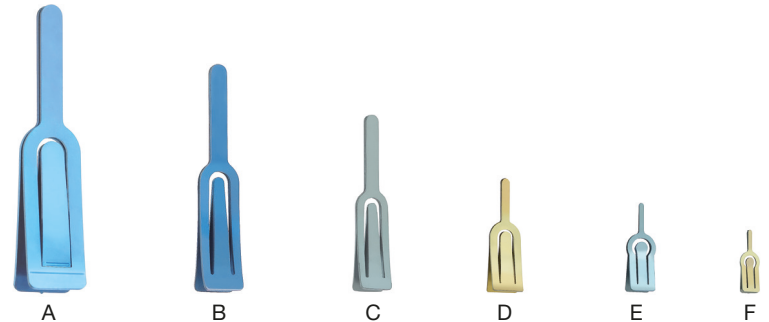
Dingo-type Bulldog Clamps

These reusable, featherweight soft bulldog clamps are especially suitable for temporary occlusion.

The anti-magnetic clamps are made from titanium (grade 5) and are colored by anodization. Unlike steel, titanium does not stiffen with use, so these carefully calibrated titanium arterial clamps shall remain so indefinitely. They can be applied and removed with a utility forceps.

Dingo-type Titanium Bulldog Clamps

Fig.	Art.-No.	Length mm / "	Length of Jaws mm	for Ø mm
A	20-0220	37.5 / 1½	15	4
B	20-0221	30 / 1¼	13	4
C	20-0222	24 / 1	10	3
D	20-0223	14 / ½	5	2
E	20-0224	11.5 / ½	4	1
F	20-0225	7.6 / ¼	2.5	1



Wolf

Protection Bulldog Clamp

Fig.	Art.-No.	Length mm / "	Length of Jaw mm
G	20-5000	35 / 1½	16

For pressure controlled preparation of the saphenous, opens at approx. 80 mm HG.



Senning Bulldog Clamp

with Cooley Jaws, adjustable closing pressure

Fig.	Art.-No.	Length mm / "
H	20-5010	45 / 1½

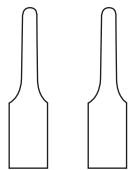


Micro Clamps

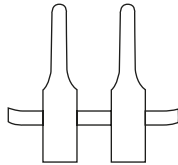
Size	Single Clamps (pair)		Approximator without Frame, movable		Approximator with Frame, movable		Size mm	Length mm
	A	V	A	V	A	V		
1	75-0397	75-0396	75-0415	75-0414	75-0409	75-0408	0.4 - 1.0	8
2	75-0399	75-0398	75-0417	75-0416	75-0411	75-0410	0.6 - 1.5	11
3	75-0401	75-0400	75-0419	75-0418	75-0413	75-0412	1.0 - 2.2	17
4		75-0325		75-0326			1.5 - 3.5	24
5		75-0286		75-0287			2.0 - 5.0	36

Black

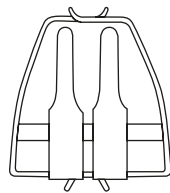
Size	Single Clamps (pair)		Approximator without Frame, movable		Approximator with Frame, movable		Size mm	Length mm
	A	V	A	V	A	V		
1	75-0461	75-0462	75-0479	75-0480	75-0473	75-0474	0.4 - 1.0	8
2	75-0463	75-0464	75-0481	75-0482	75-0475	75-0476	0.6 - 1.5	11
3	75-0465	75-0466	75-0483	75-0484	75-0477	75-0478	1.0 - 2.2	17
4		75-0329		75-0330			1.5 - 3.5	24
5		75-0327		75-0328			2.0 - 5.0	36



Single Clamps



Approximator



Approximator with Frame

Applying Forceps

with catch

for Size	Art.-No.	Length mm / "
1-3	75-0071	140 / 5½
4-5	75-0073	140 / 5½

without catch

for Size	Art.-No.	Length mm / "
1-3	75-0072	140 / 5½
4-5	75-0074	140 / 5½





41-5114.TI

41-5500
Applying Forceps Standard

Yasargil-type Standard

Stainless Steel

Fig.	Art.-No.	Max. Opening mm	Force g
A	41-5012	7.0	180
B	41-5014	6.8	180
C	41-5022	7.8	180
D	41-5024	7.5	180
E	41-5054	6.2	180
F	41-5112	7.0	90
G	41-5114	6.8	90
H	41-5116	6.1	110
I	41-5128	9.2	90
J	41-5130	8.7	110
K	41-5132	7.4	110
L	41-5134	11.4	110
M	41-5136	11.0	90

Titanium

Fig.	Art.-No.	Max. Opening mm	Force g
A	41-5012.TI	7.0	180
B	41-5014.TI	6.8	180
C	41-5022.TI	7.8	180
D	41-5024.TI	7.5	180
E	41-5054.TI	6.2	180
F	41-5112.TI	7.0	90
G	41-5114.TI	6.8	90
H	41-5116.TI	6.1	110
I	41-5128.TI	9.2	90
J	41-5130.TI	8.7	110
K	41-5132.TI	7.4	110
L	41-5134.TI	11.4	110
M	41-5136.TI	11.0	90

Applying Forceps Standard

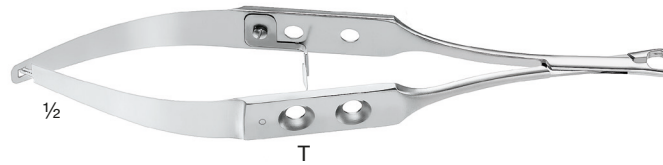
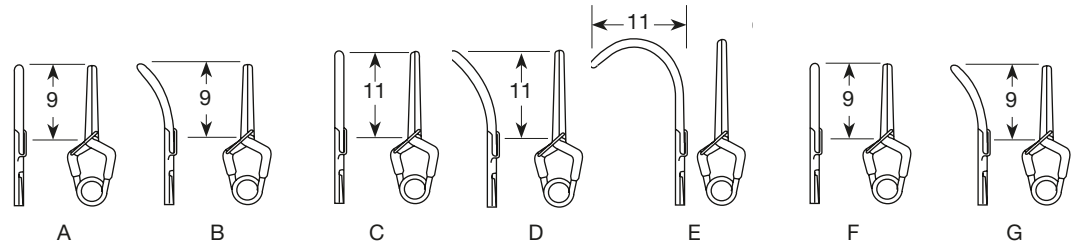


Fig. Art.-No. Length mm / "
T 41-5500 175 / 7

Applying Forceps Mini

Art.-No. Length mm / "
41-5501 175 / 7



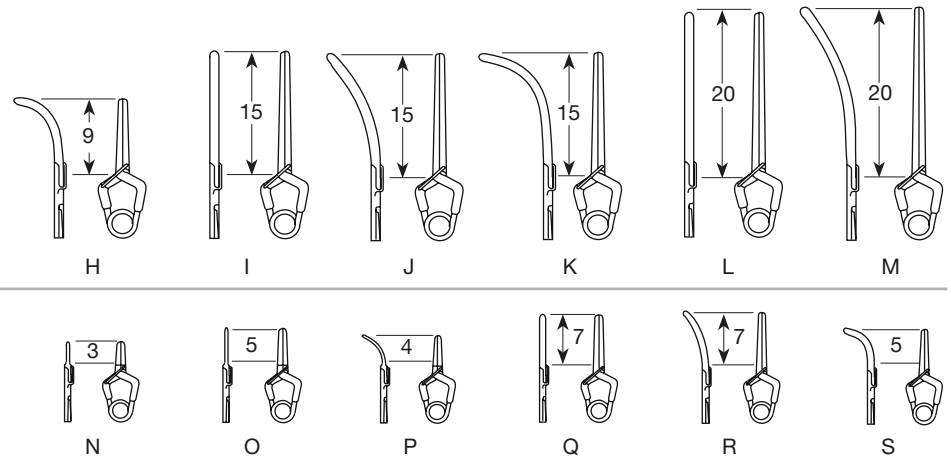
Mini

Stainless Steel

Fig.	Art.-No.	Max. Opening mm	Force g
N	41-5300	3.3	90
O	41-5306	4.0	70
P	41-5308	3.8	70
Q	41-5320	4.6	70
R	41-5322	4.4	70
S	41-5324	4.0	70

Titanium

Fig.	Art.-No.	Max. Opening mm	Force g
N	41-5300.TI	3.3	90
O	41-5306.TI	4.0	70
P	41-5308.TI	3.8	70
Q	41-5320.TI	4.6	70
R	41-5322.TI	4.4	70
S	41-5324.TI	4.0	70





41-5657

41-5658

608

509

Micro Clamps

GEISTER®



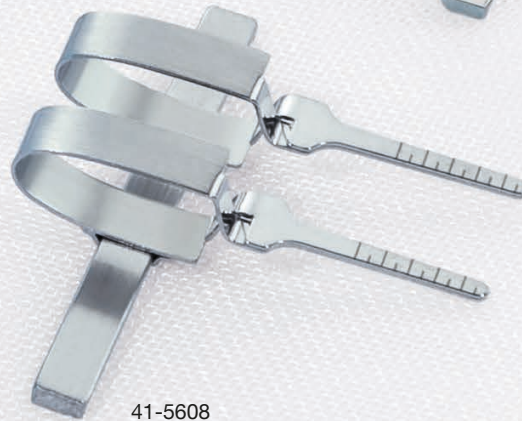
41-5613



41-5624



41-5604



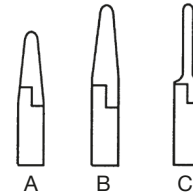
41-5608

41-5612
Biemer Applying Forceps



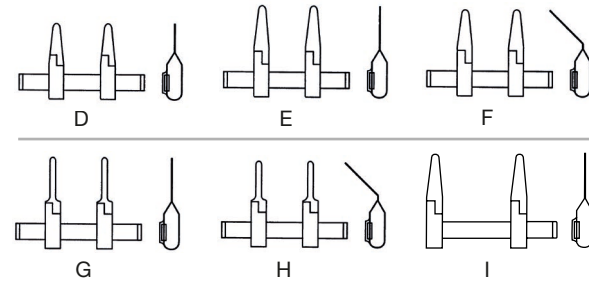
Micro Clamps acc. to Biemer

Fig.	Art.-No.	Jaw Opening mm	Length of Jaws mm	Force g	for Ø mm
A	41-5600	4.0	6.0	30 - 40	0.5 - 2.0
B	41-5602	5.0	9.0	30 - 40	0.5 - 2.0
C	41-5604	5.0	9.0	20 - 25	0.5 - 2.0



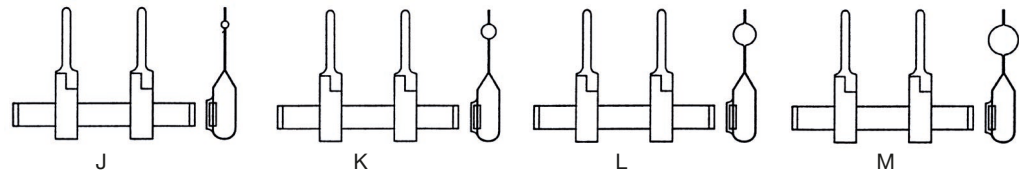
Approximators acc. to Biemer-Mueller

Fig.	Art.-No.	Jaw Opening mm	Length of Jaws mm	Force g	for Ø mm
D	41-5605	4.0	6.0	25 - 30	0.5 - 2.0
E	41-5606	5.0	9.0	25 - 30	0.5 - 2.0
F	41-5607	5.0	9.0	25 - 30	0.5 - 2.0
G	41-5608	5.0	9.0	25 - 30	0.5 - 2.0
H	41-5609	5.0	9.0	25 - 30	0.5 - 2.0
I	41-5613	5.0	9.0	30 - 40	0.5 - 2.0



Approximators acc. to Mueller

Fig.	Art.-No.	Diameter mm	Force g	for Ø mm
J	41-5621	1.0	25 - 30	0.5 - 2.0
K	41-5622	2.0	25 - 30	0.5 - 2.0
L	41-5623	3.0	25 - 30	0.5 - 2.0
M	41-5624	4.0	25 - 30	0.5 - 2.0



Applying Forceps

without catch



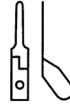
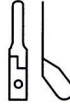
Art.-No.	Length mm / "
41-5610	145 / 5¾

with catch

Fig.	Art.-No.	Length mm / "
N	41-5612	145 / 5¾



Micro Clamps acc. to Mehdorn

Fig.	Art.-No.	Length of Jaws mm	Force g	for Ø mm
	O	4.0 x 1.0	10 - 15	0.5 - 1.5
	P	4.0 x 1.4	15 - 20	0.5 - 1.5
	Q	6.0 x 1.0	10 - 15	0.5 - 1.5
	R	6.0 x 1.4	15 - 20	0.5 - 1.5

Applying Forceps

for Mehdorn Clamps
without catch

Art.-No.	Length mm / "	Description
41-5669	145 / 5¾	The position of the clamp in the applying forceps can be varied.



Micro Clamps acc. to Mueller

straight

Fig.	Art.-No.	Force g
S	41-5650	50
S	41-5651	80

curved

Fig.	Art.-No.	Force g
T	41-5652	50
T	41-5653	80

Tips curved

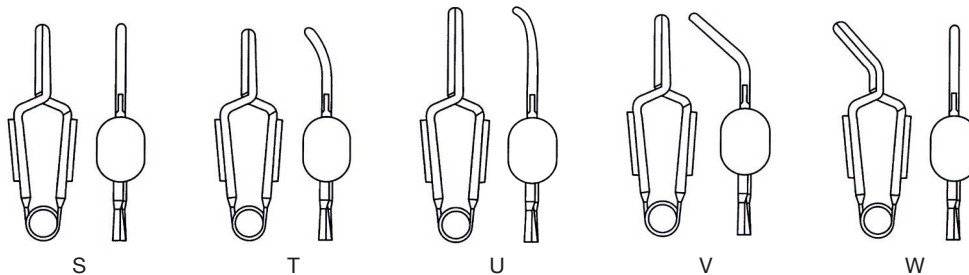
Fig.	Art.-No.	Force g
U	41-5654	50
U	41-5655	80

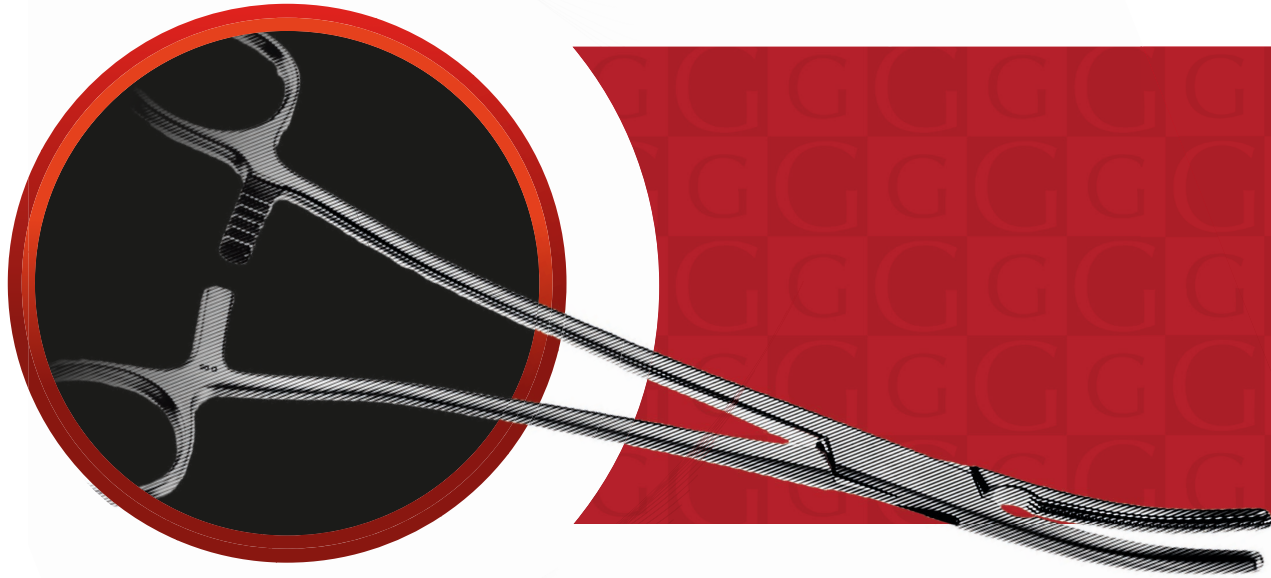
angled

Fig.	Art.-No.	Force g
V	41-5656	50
V	41-5657	80

knee-bent

Fig.	Art.-No.	Force g
W	41-5658	50
W	41-5659	80





**Atraumatic Clamps | Liver Transplant Clamps
Tissue Seizing Forceps | Intestinal Clamps**





Cooley-serrations with 3x3 teeth rows



DeBakey-serrations with 2x3 teeth rows



DeBakey-serrations with 1x2 teeth rows



Cooley-serrations with 2x2 teeth rows



Every **GEISTER®** clamp is aligned and checked by our skilled instrument masters by hand to achieve the sensitive feeling 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 been widely used by hospitals throughout the world for surgery procedures since many years. Special narrow models and variations are available.



Cooley Jaws 2 x 2



straight shanks



DeBakey Jaws 1 x 2



curved shanks



Cooley Jaws 3 x 3



slightly angled shanks



DeBakey Jaws 2 x 3



angled shanks

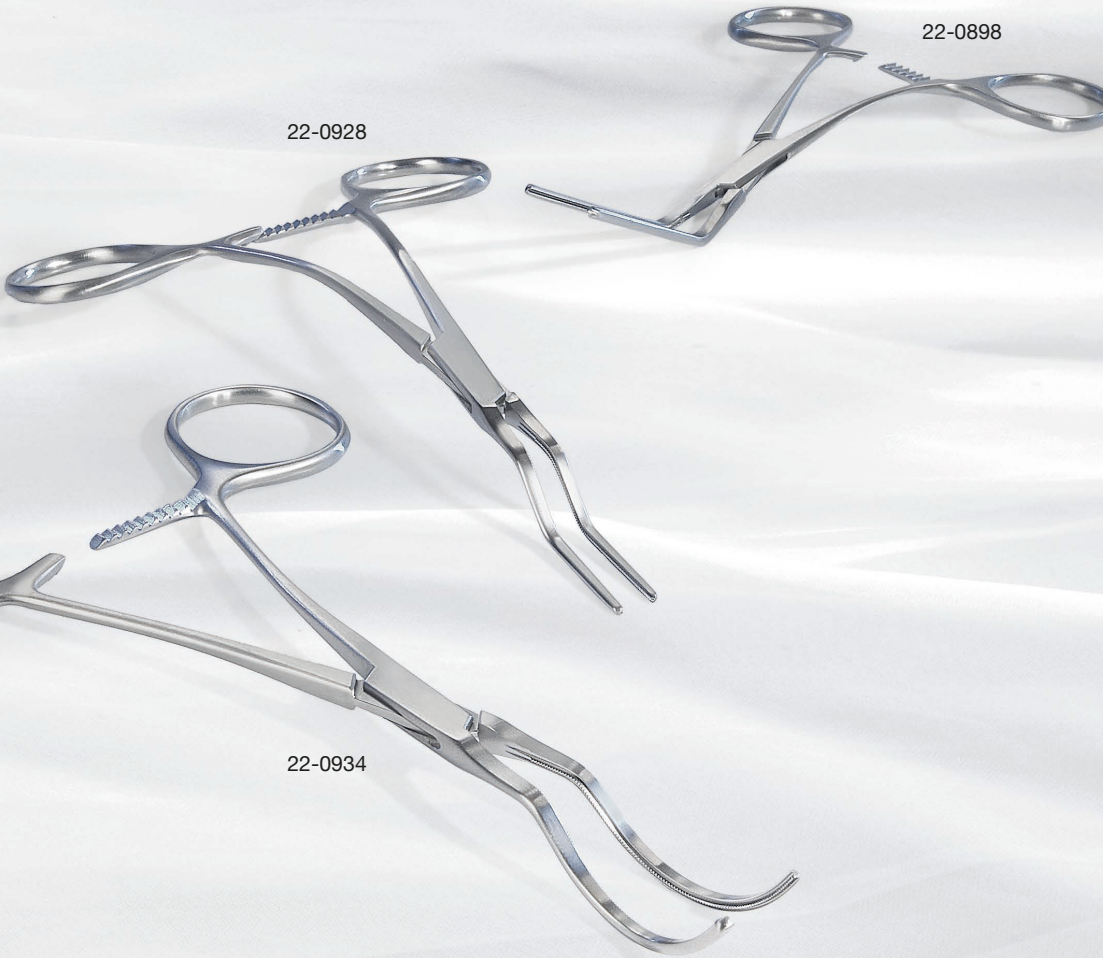


graduated jaws (5 mm)

Stainless Steel or Titanium



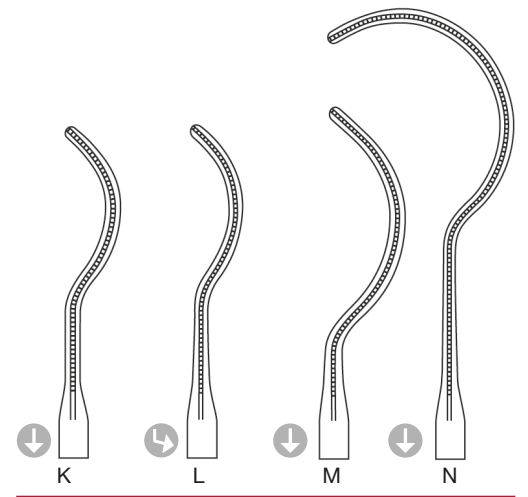
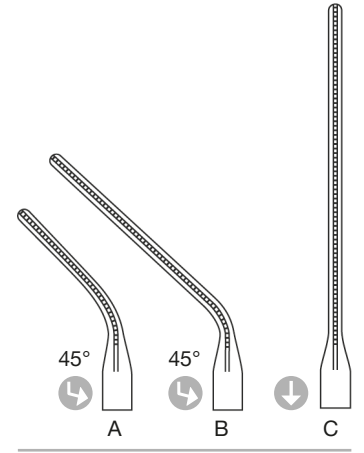
Atraumatic Clamps

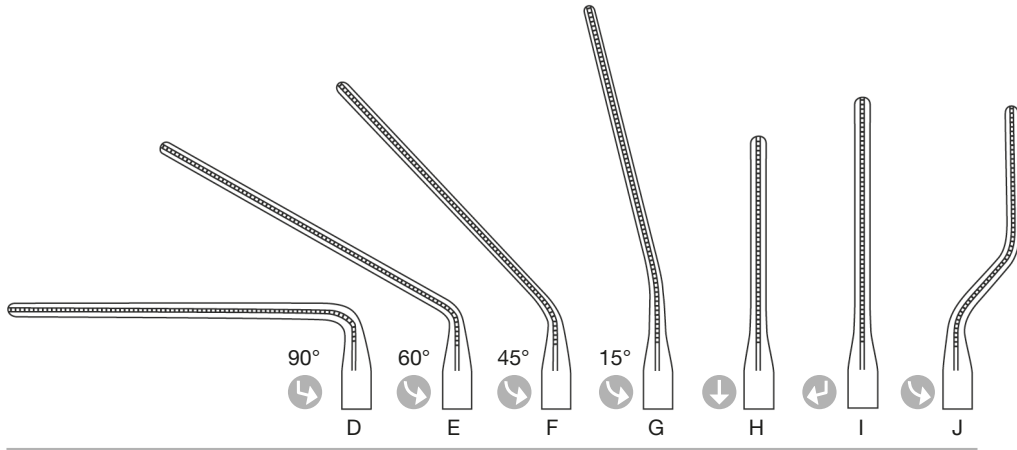


22-0928

22-0898

22-0934





Extra-Fine Pediatric Clamps

with DeBakey Jaws

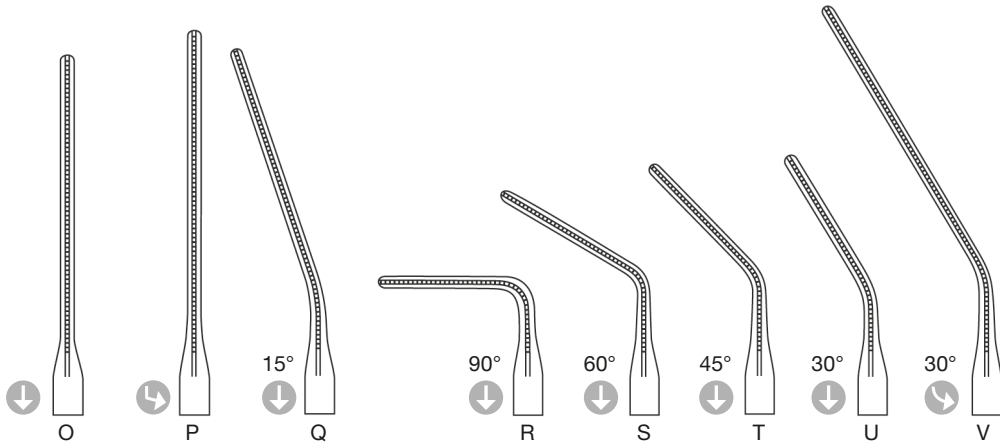
Fig.	Art.-No.	Length mm / "	
A	22-0890	105 / 4¼	ang. shanks/16 mm
B	22-0892	125 / 5	ang. shanks/30 mm
C	22-0894	140 / 5½	str. shanks/45 mm

Fig.	Art.-No.	Length mm / "	
D	22-0900	140 / 5½	ang. shanks/40 mm
E	22-0899	140 / 5½	cvd. shanks/40 mm
F	22-0898	140 / 5½	cvd. shanks/40 mm
G	22-0896	140 / 5½	cvd. shanks/40 mm
H	22-0924	150 / 6	str. shanks/25 mm
I	22-0926	155 / 6	20° ang. shanks/30 mm
J	22-0928	150 / 6	cvd. shanks/30 mm

Fig.	Art.-No.	Length mm / "	
K	22-0932	150 / 6	str. shanks/20 mm
L	22-0933	145 / 5¾	ang. shanks/20 mm
M	22-0934	155 / 6	str. shanks/28 mm
N	22-0936	170 / 6¾	str. shanks/28 mm

Fig.	Art.-No.	Length mm / "	
O	22-0929	160 / 6¼	str. shanks/40 mm
P	22-0930	165 / 6½	ang. shanks/40 mm
Q	22-0931	155 / 6	str. shanks/32 mm

Fig.	Art.-No.	Length mm / "	
R	22-0908	125 / 5	str. shanks/17 mm
S	22-0906	145 / 5¾	str. shanks/20 mm
T	22-0904	145 / 5¾	str. shanks/20 mm
U	22-0902	145 / 5¾	str. shanks/16 mm
V	22-0914	160 / 6¼	cvd. shanks/40 mm





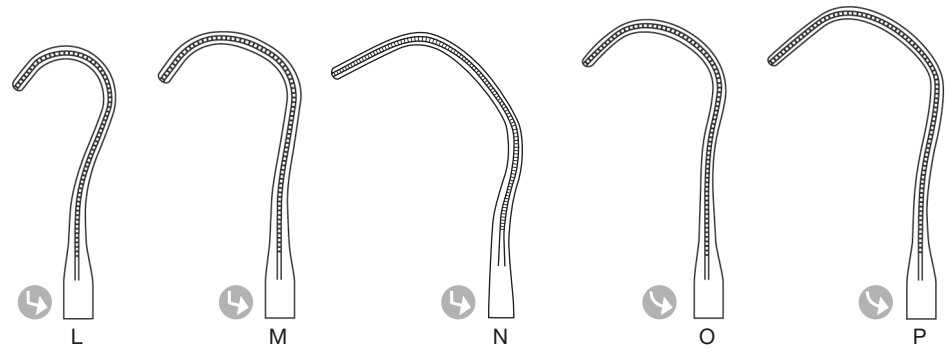
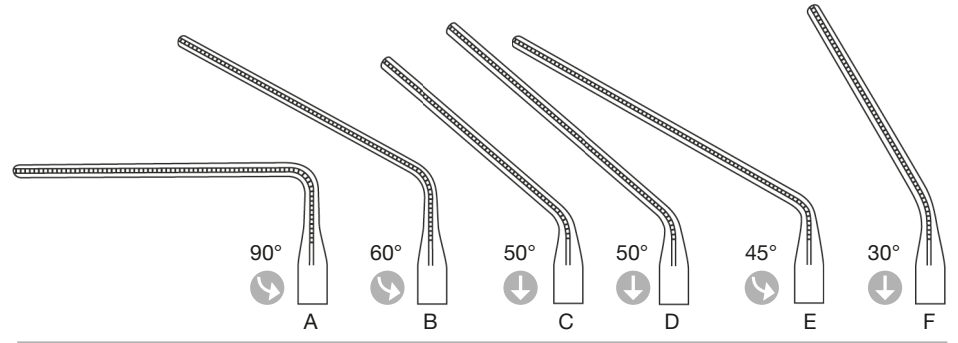
Atraumatic Clamps

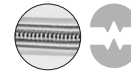
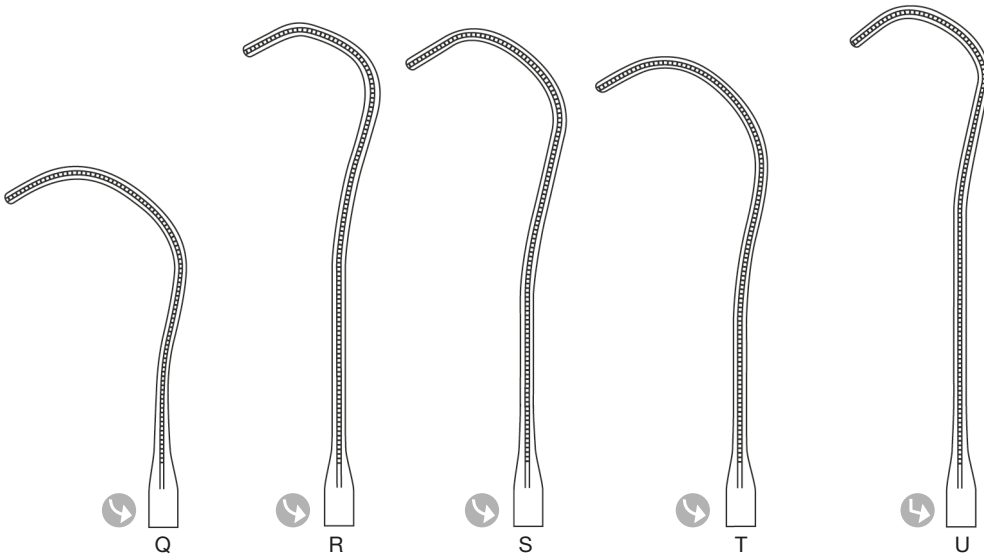
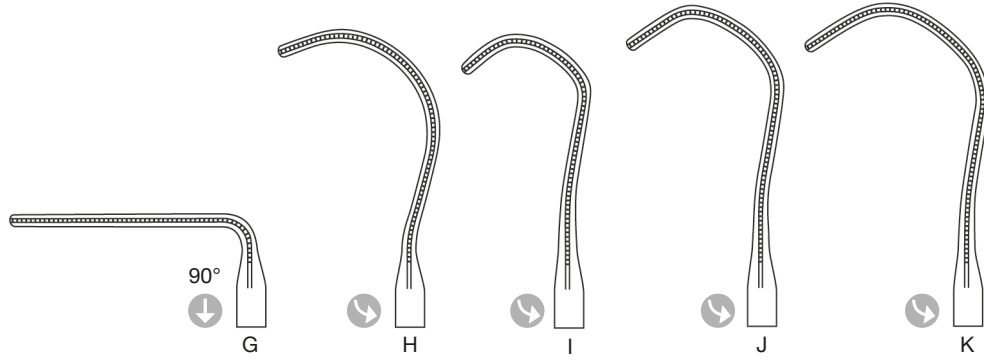


22-0940

22-0960

22-0916





Extra-Fine Clamps

with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "	
A	22-0919	140 / 5½	cvd. shanks/37 mm
B	22-0918	155 / 6	cvd. shanks/36 mm
C	22-0920	120 / 4¾	str. shanks/30 mm
D	22-0917	155 / 6	str. shanks/37 mm
E	22-0916	160 / 6¼	cvd. shanks/37 mm
F	22-0915	120 / 4¾	str. shanks/30 mm

Fig.	Art.-No.	Length mm / "	
G	22-0922	105 / 4¼	str. shanks/30 mm
H	22-0939	120 / 4¾	cvd. shanks/26 mm
I	22-0940	145 / 5¾	cvd. shanks/16 mm
J	22-0941	145 / 5¾	cvd. shanks/21 mm
K	22-0942	160 / 6¼	cvd. shanks/26 mm

Fig.	Art.-No.	Length mm / "	
L	22-0943	115 / 4½	ang. shanks/10 mm
M	22-0944	115 / 4½	ang. shanks/16 mm
N	22-0945	120 / 4¾	ang. shanks/28 mm
O	22-0946	140 / 5½	cvd. shanks/17 mm
P	22-0947	150 / 6	cvd. shanks/22 mm

Fig.	Art.-No.	Length mm / "	
Q	22-0948	160 / 6¼	cvd. shanks/25 mm
R	22-0960	180 / 7	cvd. shanks/17 mm
S	22-0961	180 / 7	cvd. shanks/22 mm
T	22-0962	180 / 7	cvd. shanks/25 mm
U	22-0963	180 / 7	ang. shanks/17 mm

↓ straight shanks

↪ ↩ curved shanks

↙ ↘ slightly angled shanks

↗ ↖ angled shanks

⊗ graduated jaws

* bold = shown



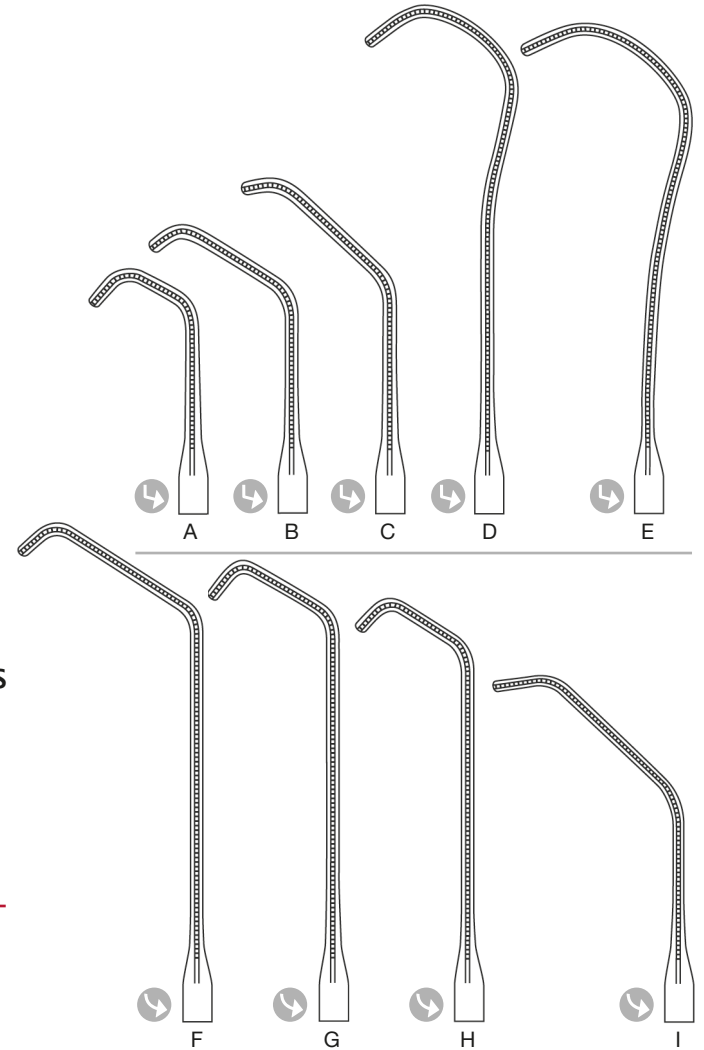
22-0972



Extra-Fine Clamps

with DeBakey Jaws

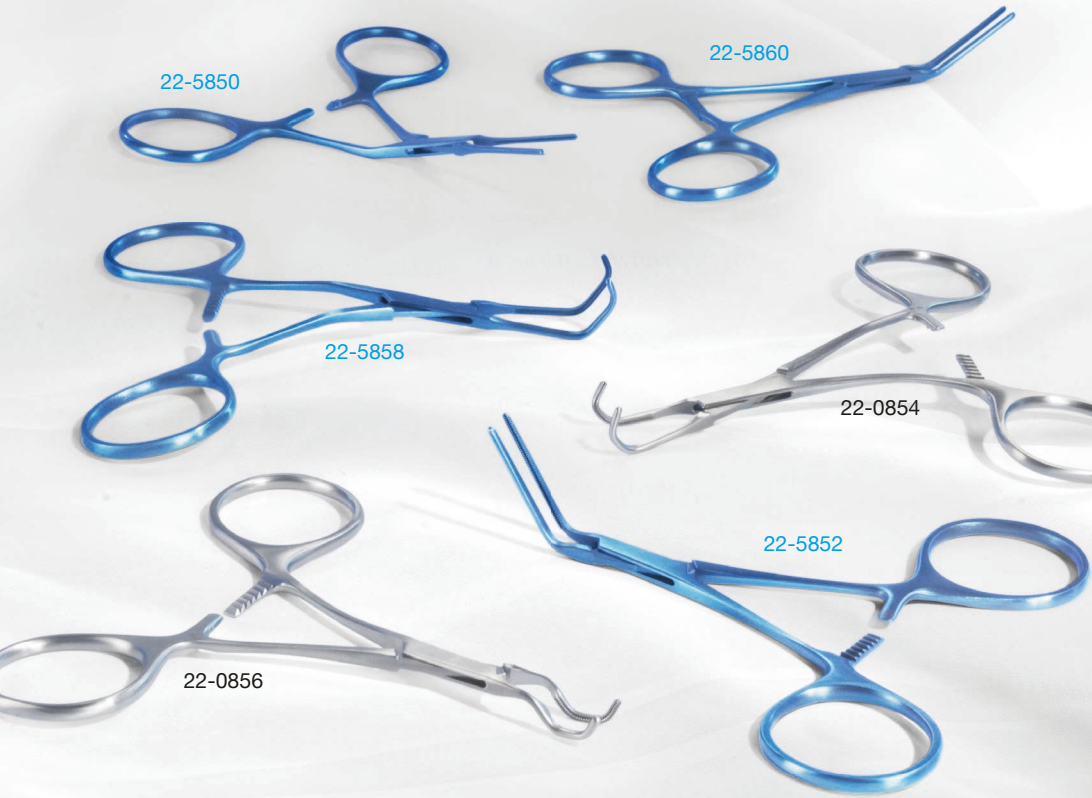
Fig.	Art.-No.	Length mm / "
A	22-0970	115 / 4½
B	22-0971	120 / 4¾
C	22-0972	155 / 6
D	22-0964	180 / 7
E	22-0965	180 / 7
Fig.	Art.-No.	Length mm / "
F	22-0975	180 / 7
G	22-0974	175 / 7
H	22-0973	170 / 6¾
I	22-0990	150 / 6



* **bold** = shown

Premature Baby Micro Clamps

GEISTER®



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

↓ straight shanks

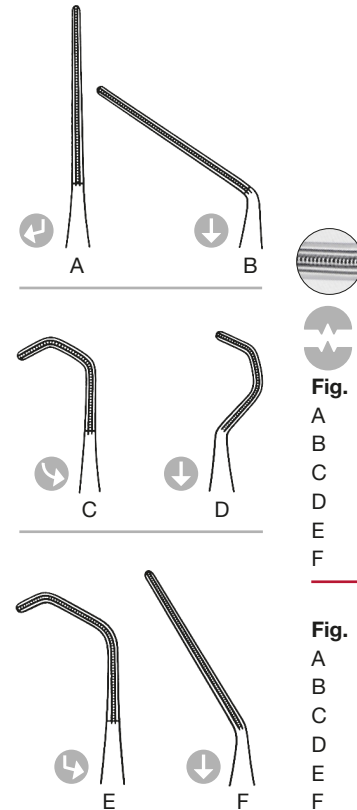
↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊘ graduated jaws

* bold = shown



Premie

with DeBakey Jaws

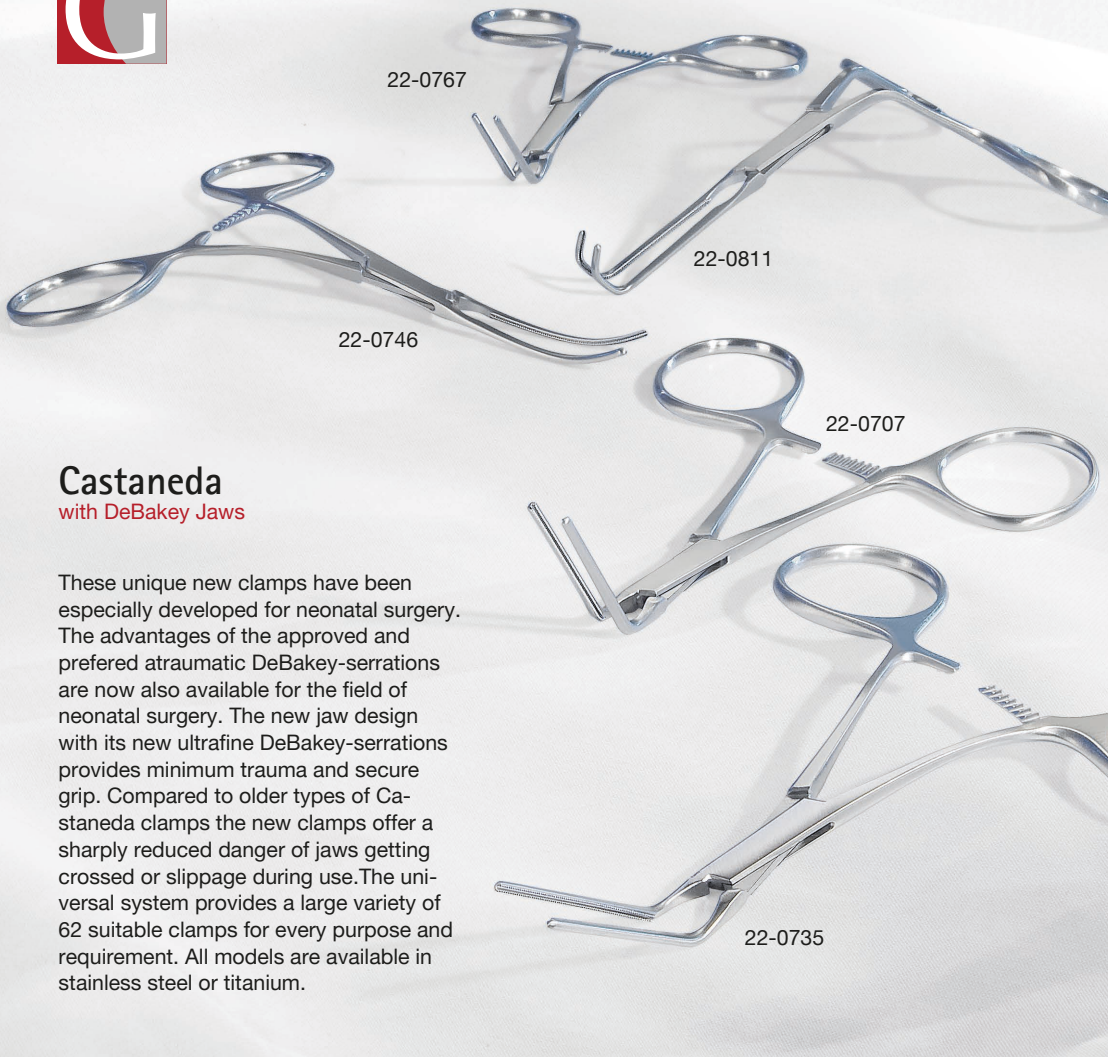
Fig.	Art.-No.	Length mm / "
A	22-0850	105 / 4¼
B	22-0852	105 / 4¼
C	22-0854	105 / 4¼
D	22-0856	105 / 4¼
E	22-0858	105 / 4¼
F	22-0860	105 / 4¼

Titanium

Fig.	Art.-No.	Length mm / "
A	22-5850	105 / 4¼
B	22-5852	105 / 4¼
C	22-5854	105 / 4¼
D	22-5856	105 / 4¼
E	22-5858	105 / 4¼
F	22-5860	105 / 4¼



Neonatal Micro Clamps



Castaneda with DeBaKey Jaws

These unique new clamps have been especially developed for 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. 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 shanks

curved shanks

slightly angled shanks

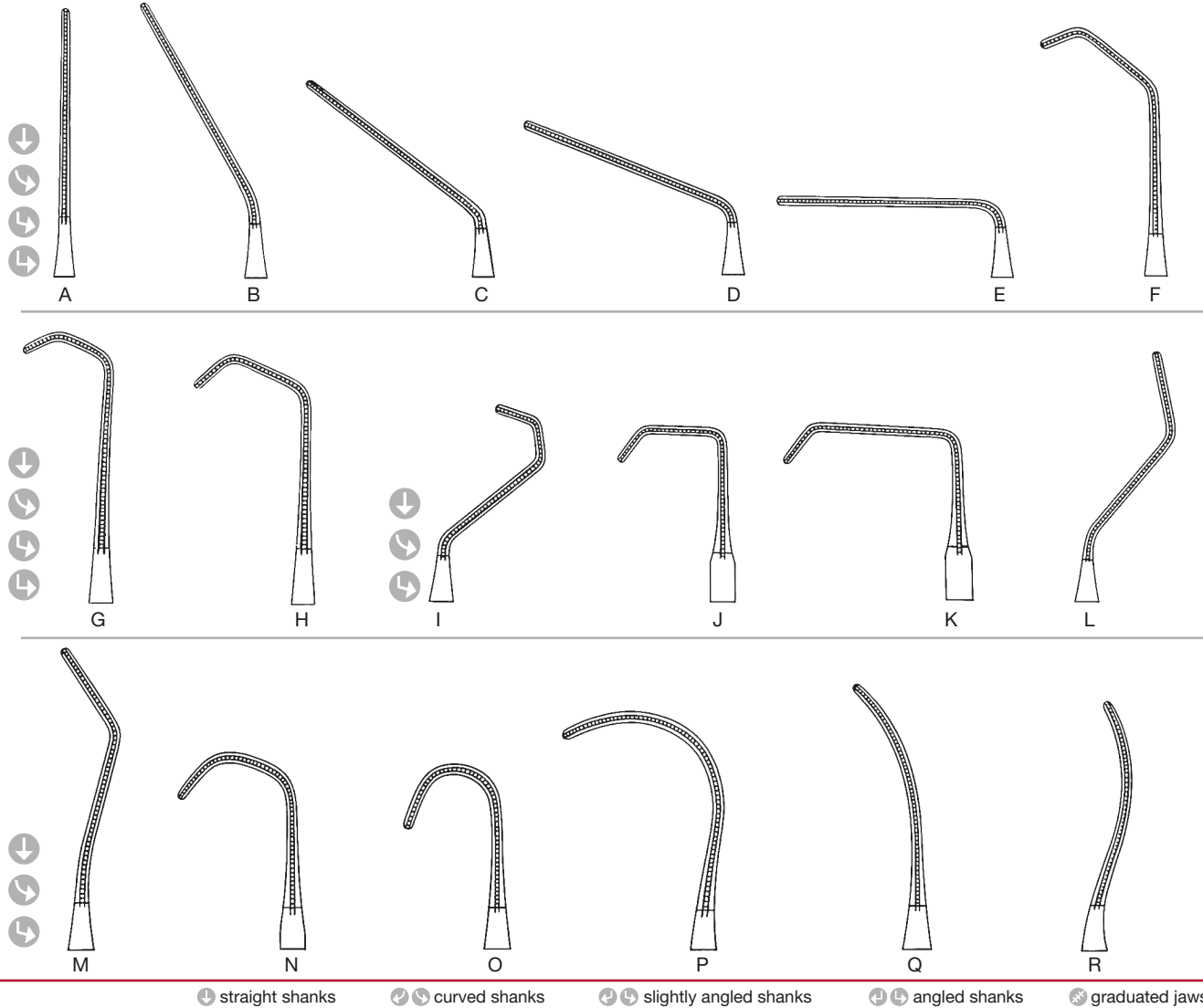
angled shanks

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	

* bold = shown

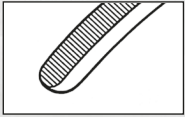
Neonatal Micro Clamps

GEISTER®

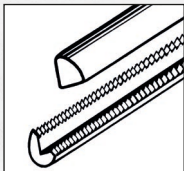
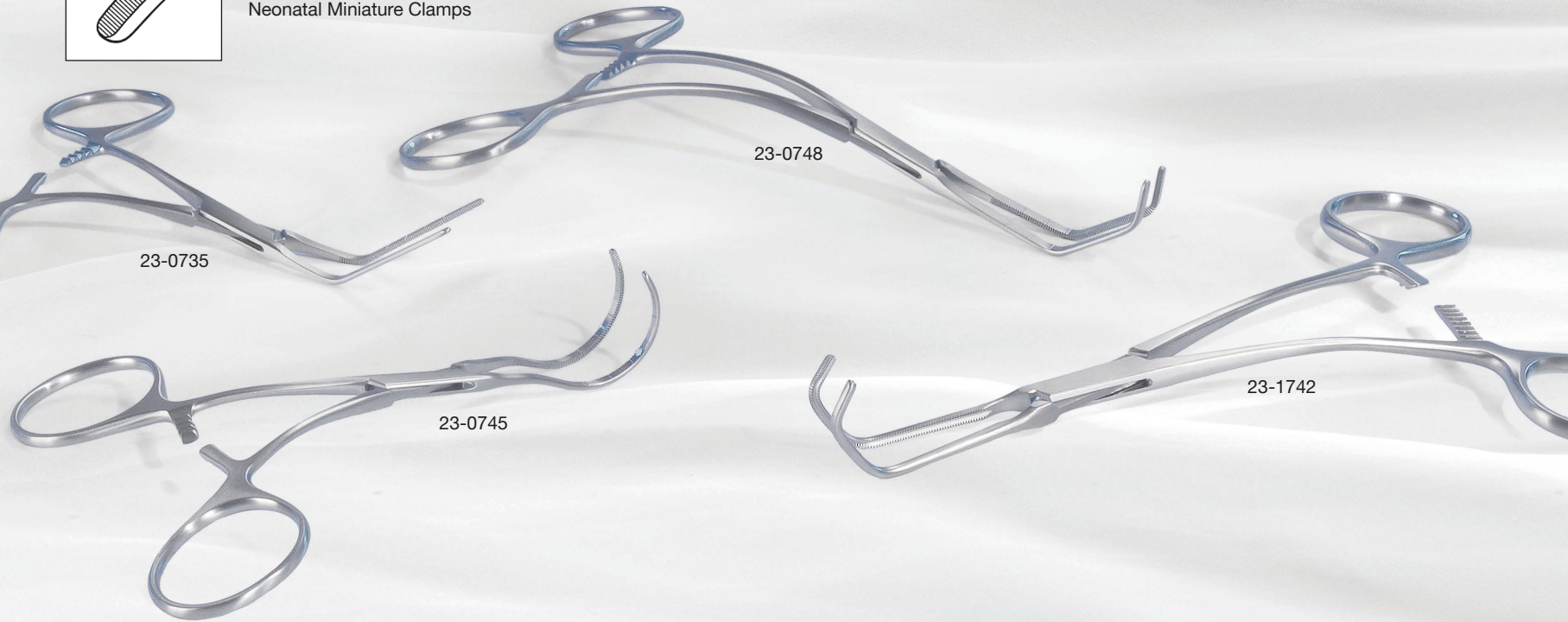




Neonatal Micro Clamps



Castaneda
Neonatal Miniature Clamps



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

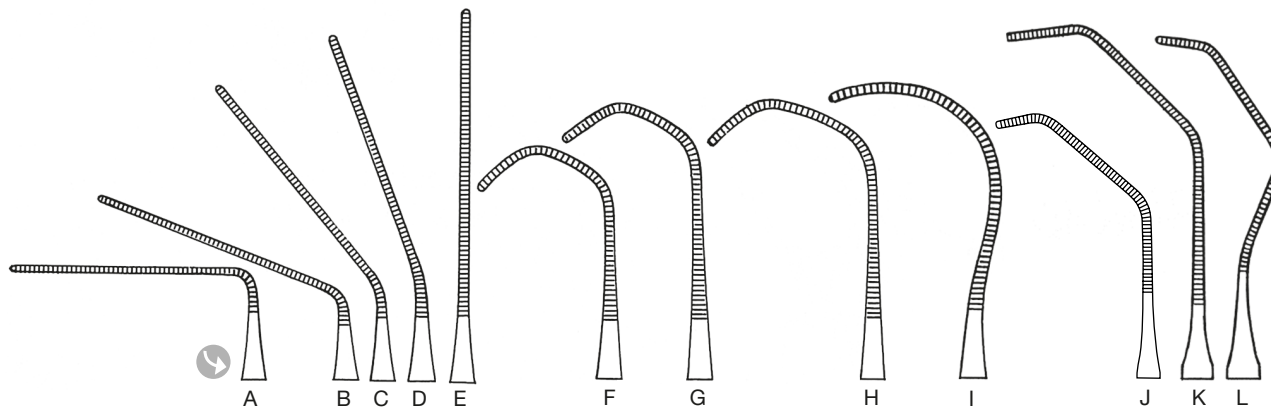
Infant

Fig.	Art.-No.	Length mm / "
A	23-1739	110 / 4¼
B	23-1737	120 / 4¾
C	23-1735	125 / 5
D	23-1733	130 / 5
E	23-1730	130 / 5
F	23-1740	150 / 6
G	23-1741	155 / 6
H	23-1742	160 / 6¼
I	23-1745	125 / 5

Castaneda Neonatal Miniature Clamps



Fig.	Art.-No.	Length mm / "
A	23-0739	110 / 4¼
B	23-0737	120 / 4¾
C	23-0735	125 / 5
D	23-0733	130 / 5
E	23-0730	130 / 5
F	23-0740	150 / 6
G	23-0741	150 / 6
H	23-0742	150 / 6
I	23-0745	120 / 4¾
J	23-0747	120 / 4¾
K	23-0748	150 / 6
L	23-0749	150 / 6



↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* bold = shown

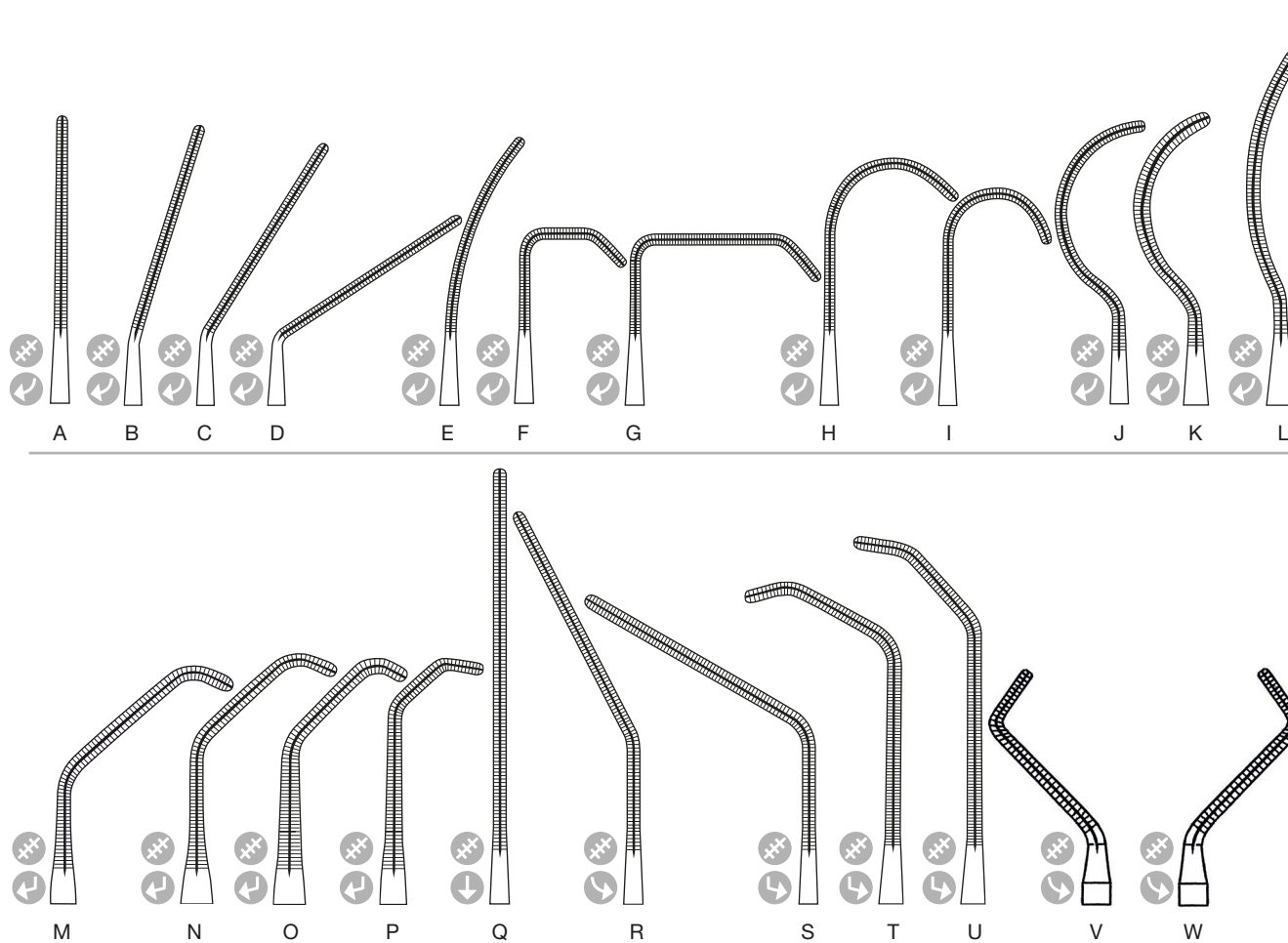


23-0754

23-0759

23-0812

23-0911



Baby Clamps

with Cooley Jaws,
extra fine patterns,
curved shanks*,
145 mm / 5¾"

Fig. Art.-No.

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

with Cooley Jaws

Fig. Art.-No.

V	23-0910
W	23-0911

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

* bold = shown



Atraumatic Clamps

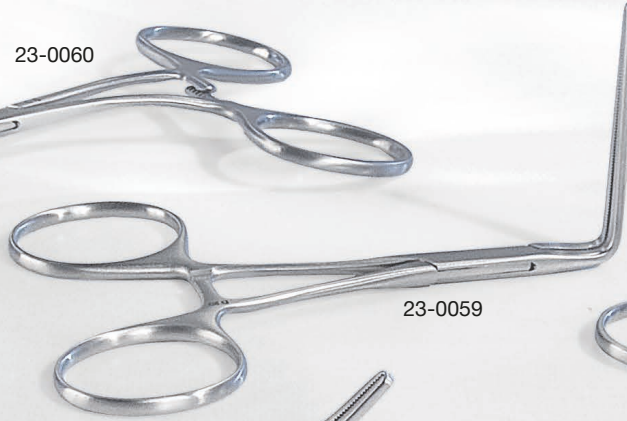
23-0060



23-0058



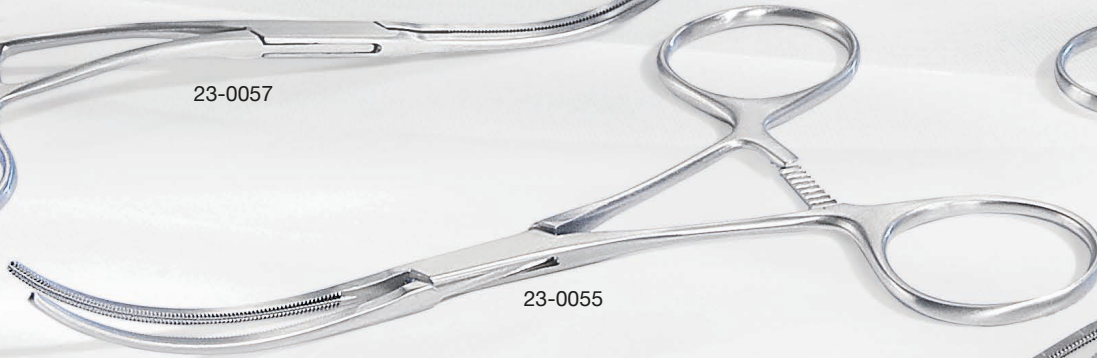
23-0059



23-0057



23-0055



23-0061



Atraumatic Clamps

GEISTER®



23-0056

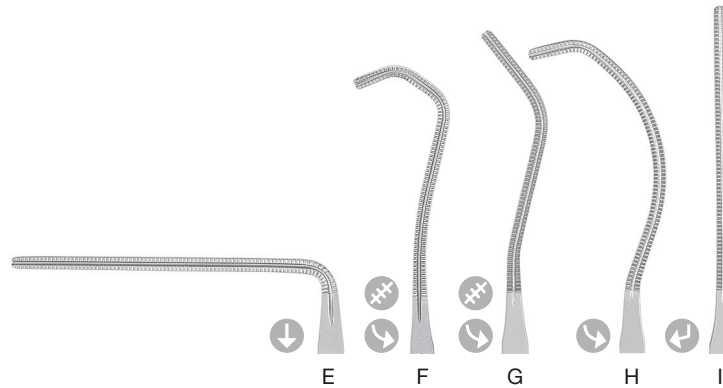
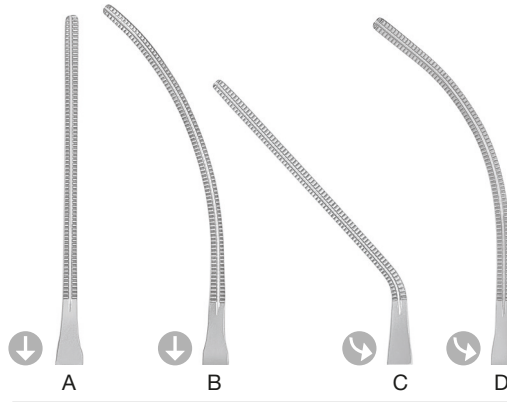


Fig.

Fig.	Art.-No.	Length mm / "
A	23-0054	135 / 5¼
B	23-0055	135 / 5¼
C	23-0058	125 / 5
D	23-0057	130 / 5
E	23-0059	105 / 4¼
F	23-0060	120 / 4¾
G	23-0061	125 / 5
H	23-0052	125 / 5
I	23-0056	130 / 5

↓ straight shanks

↷ ↶ curved shanks

↷ ↶ slightly angled shanks

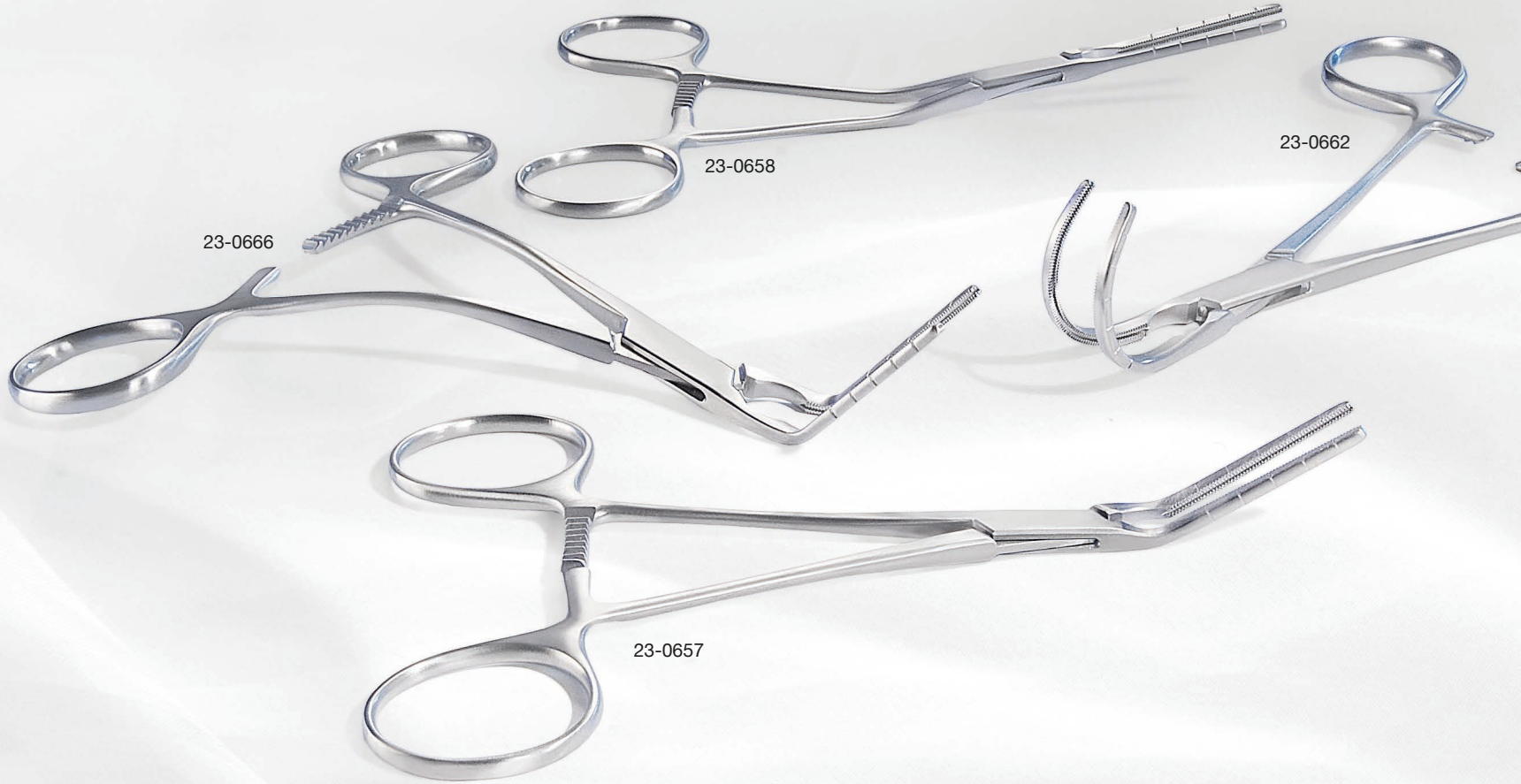
↷ ↶ angled shanks

⊘ graduated jaws

* bold = shown

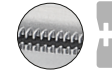
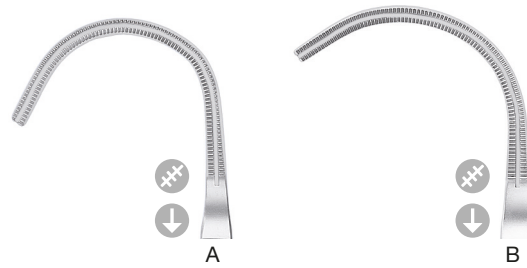


Atraumatic Clamps



Atraumatic Clamps

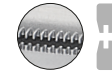
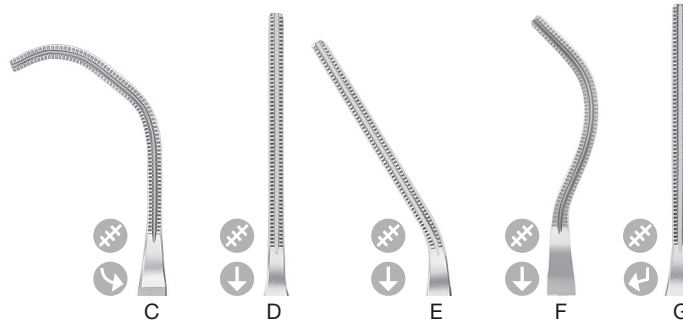
GEISTER®



Beck

with Cooley Jaws

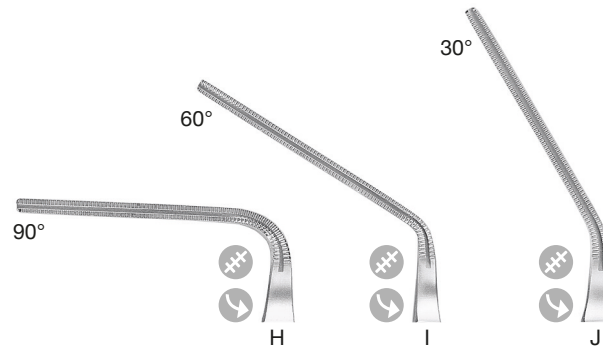
Fig.	Art.-No.	Length mm / "
A	23-0660	150 / 6
B	23-0662	150 / 6



Pediatric Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
C	23-0668	140 / 5½
D	23-0656	140 / 5½
E	23-0657	140 / 5½
F	23-0659	140 / 5½
G	23-0658	140 / 5½



Multi-Purpose

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
H	23-0667	145 / 5¾
I	23-0666	160 / 6¼
J	23-0665	165 / 6½

↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

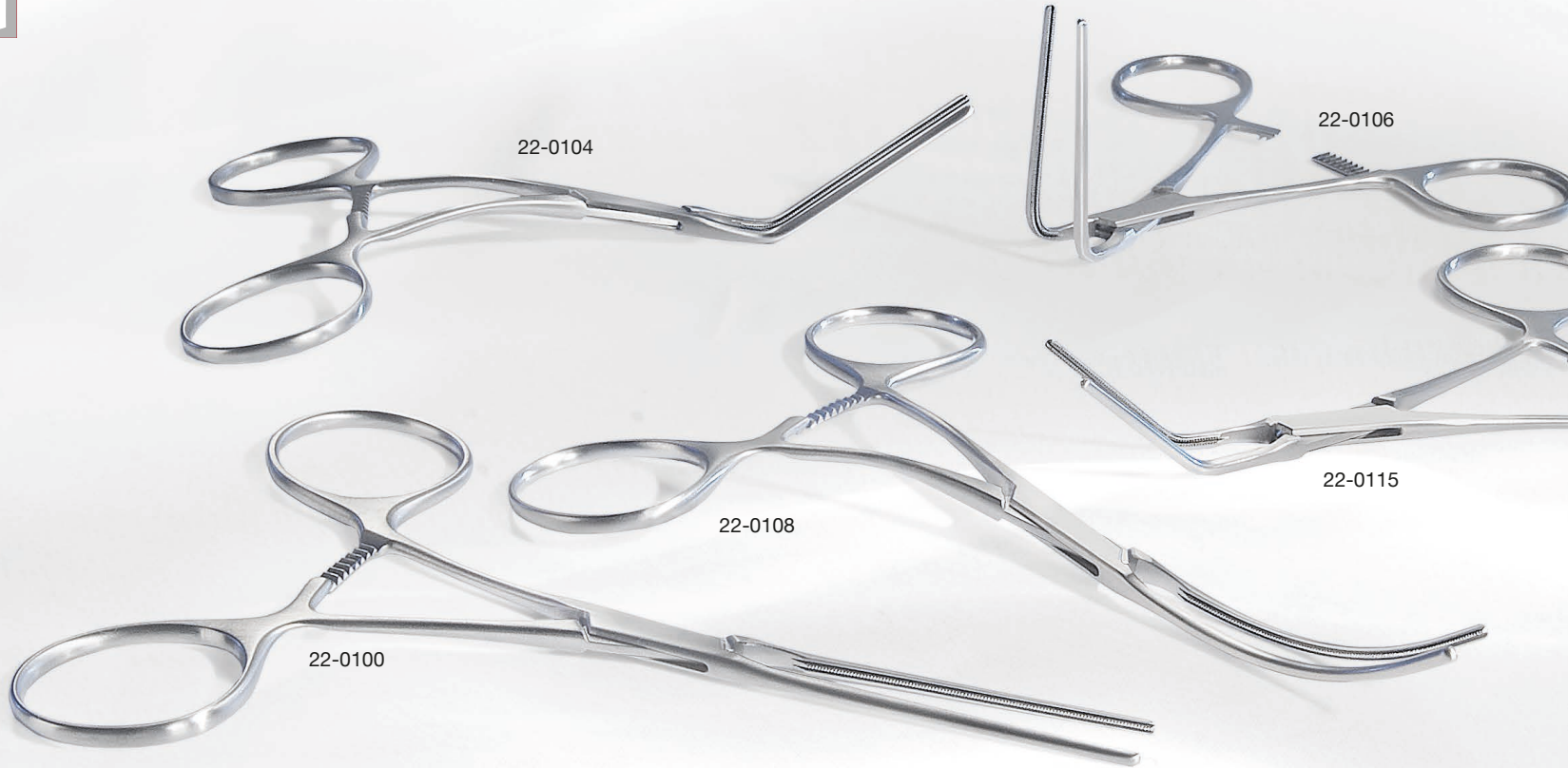
↻ ↻ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps



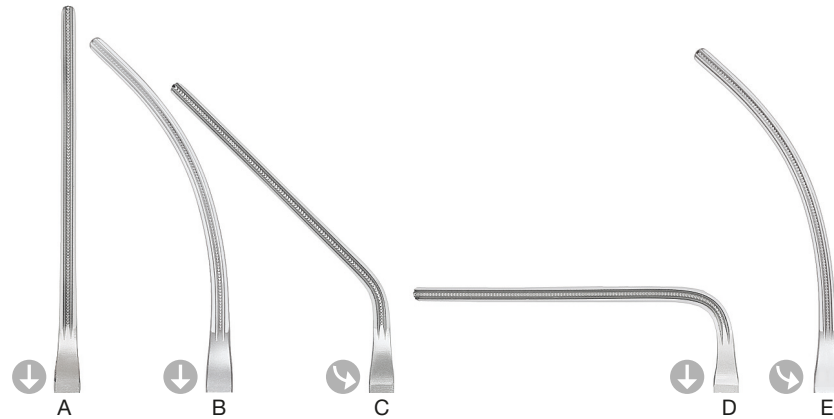
22-0104

22-0106

22-0108

22-0115

22-0100



Ring Handle Bulldog Clamps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0100	135 / 5¼
B	22-0101	130 / 5
C	22-0104	120 / 4¾
D	22-0106	100 / 4
E	22-0108	130 / 5



Noon

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
F	22-0115	115 / 4½

↓ straight shanks

↙ ↘ curved shanks

↙ ↘ slightly angled shanks

↙ ↘ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps



22-0190



22-0526



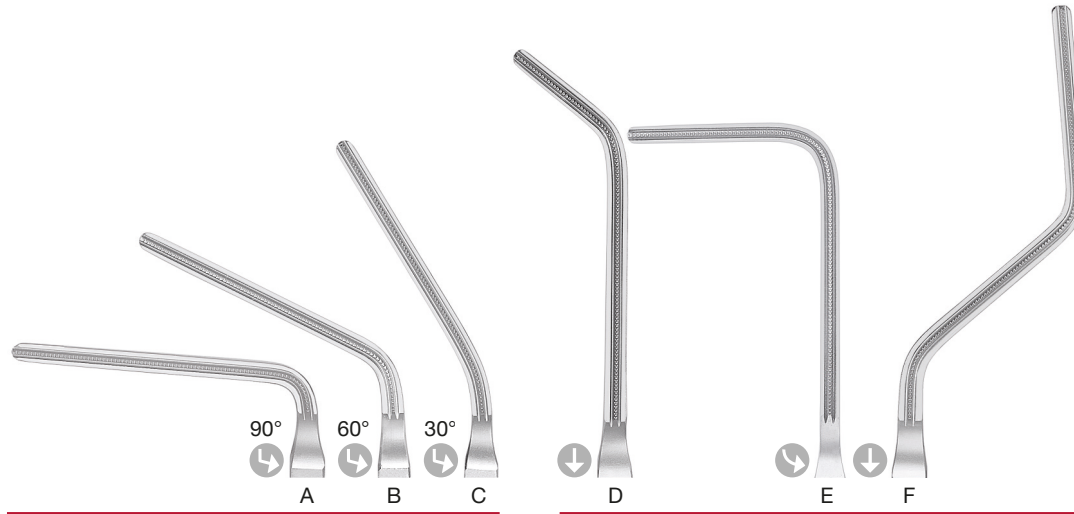
22-0508



22-0504



22-5800



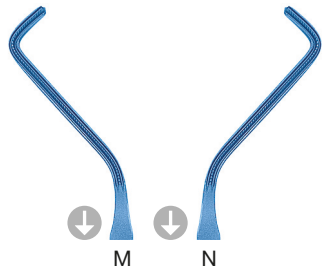
Multi-Purpose

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0527	145 / 5¾
B	22-0526	160 / 6¼
C	22-0525	165 / 6½
D	22-0190	180 / 7
E	22-0191	170 / 6¾
F	22-0192	180 / 7

Titanium

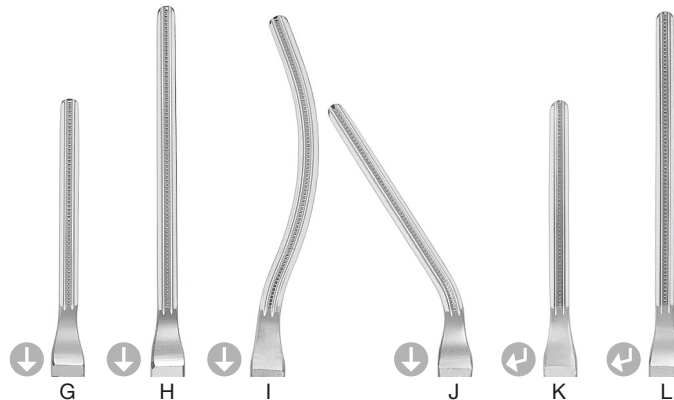
Fig.	Art.-No.	Length mm / "
	22-0527.TI	145 / 5¾
	22-0526.TI	160 / 6¼
	22-0525.TI	165 / 6½



Kitzmiller-type Titanium

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
M	22-5800	120 / 4¾
N	22-5801	120 / 4¾



Pediatric Clamps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
G	22-0500	155 / 6
H	22-0502	170 / 6¾
I	22-0508	165 / 6½
J	22-0505	155 / 6
K	22-0504	155 / 6
L	22-0506	170 / 6¾

↓ straight shanks

↪ ↩ curved shanks

↪ ↩ slightly angled shanks

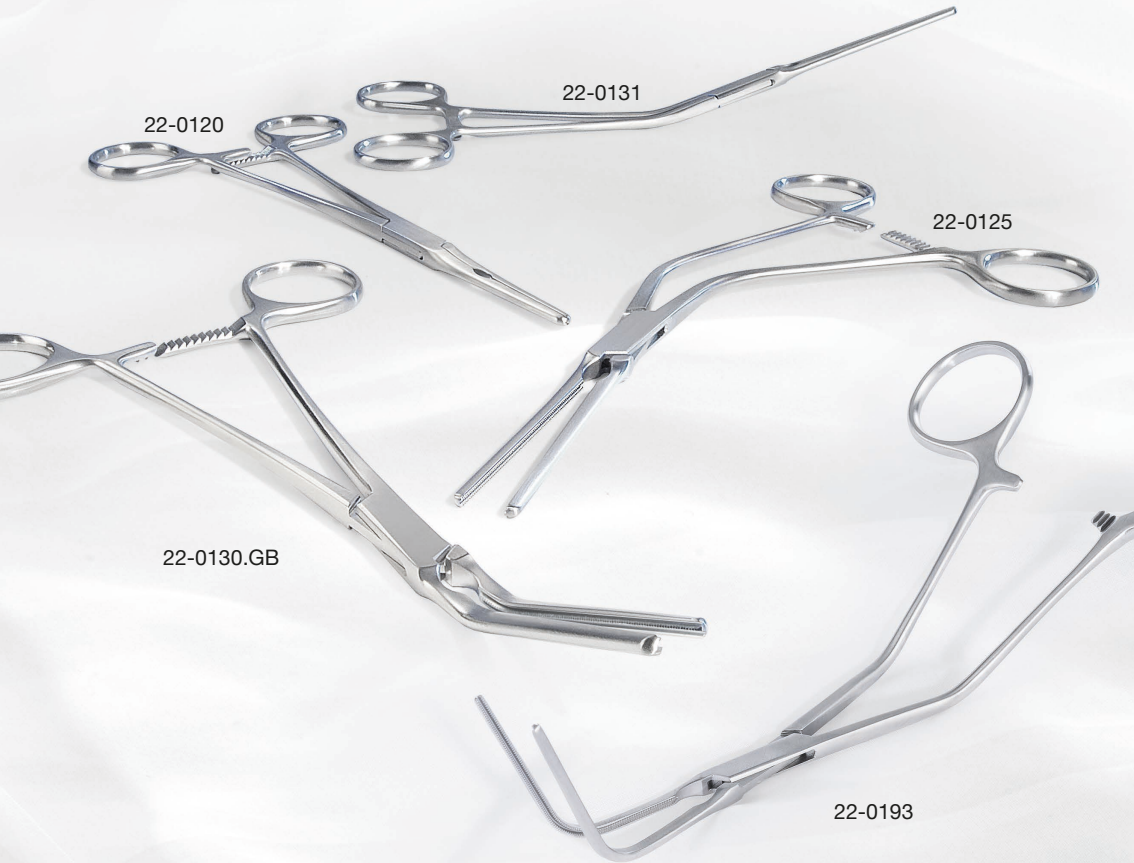
↗ ↘ angled shanks

⊗ graduated jaws

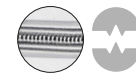
* bold = shown



Atraumatic Clamps



A

Fig.
A

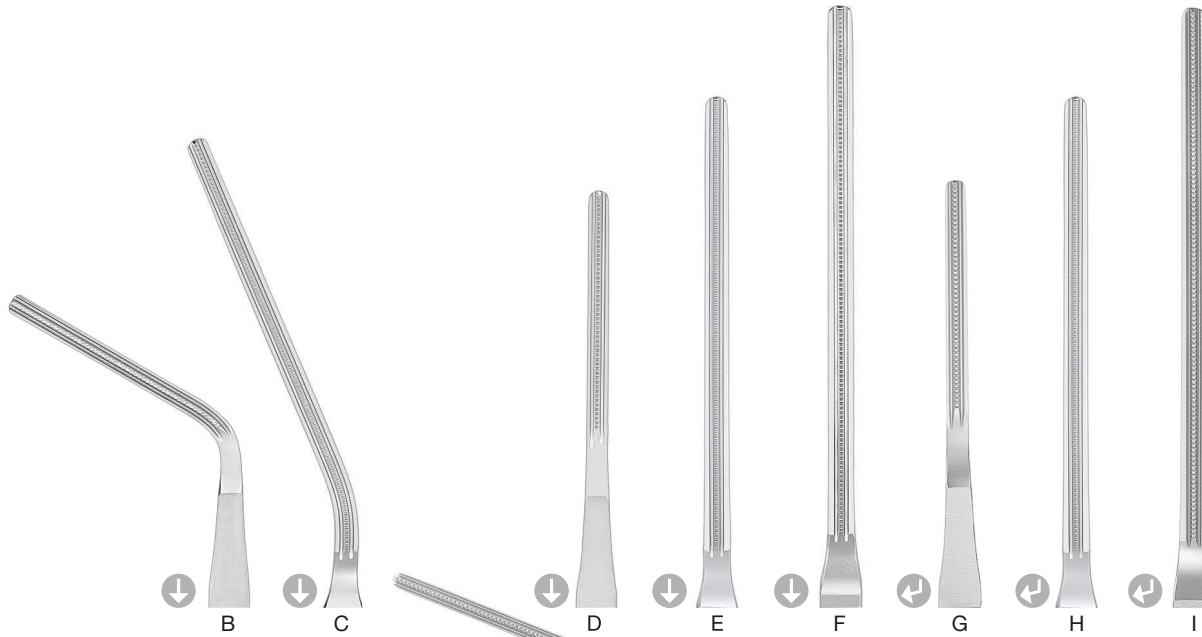
Demos

with DeBakey Jaws

Art.-No.
22-0125Length mm / "
210 / 8¼

Atraumatic Clamps

GEISTER®



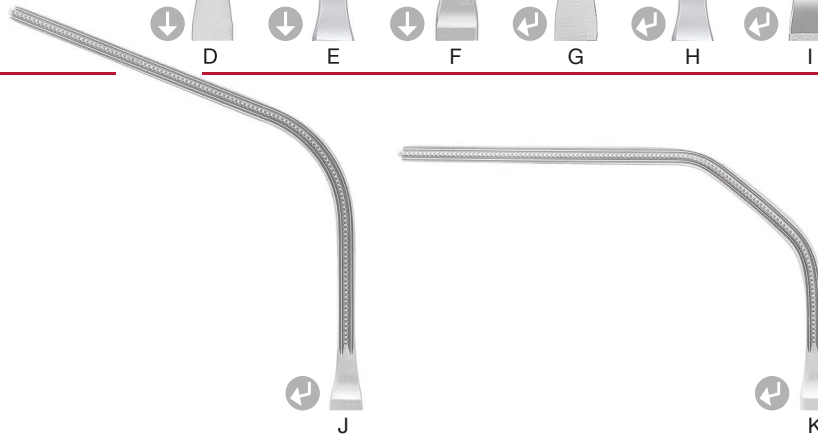
Glover

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
B	22-0120.GB	205 / 8
C	22-0130.GB	220 / 8¾
D	22-0120	205 / 8
E	22-0130	220 / 8¾
F	22-0136	260 / 10¼
G	22-0121	205 / 8
H	22-0131	220 / 8¾
I	22-0137	260 / 10¼

Titanium

Fig.	Art.-No.	Length mm / "
	22-0120.TI	205 / 8
	22-0130.TI	220 / 8¾
	22-0136.TI	260 / 10¼
	22-0121.TI	205 / 8
	22-0131.TI	220 / 8¾
	22-0137.TI	260 / 10¼



Devin

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
J	22-0193	190 / 7½
K	22-0194	175 / 7

↓ straight shanks

↷ ↶ curved shanks

↷ ↶ slightly angled shanks

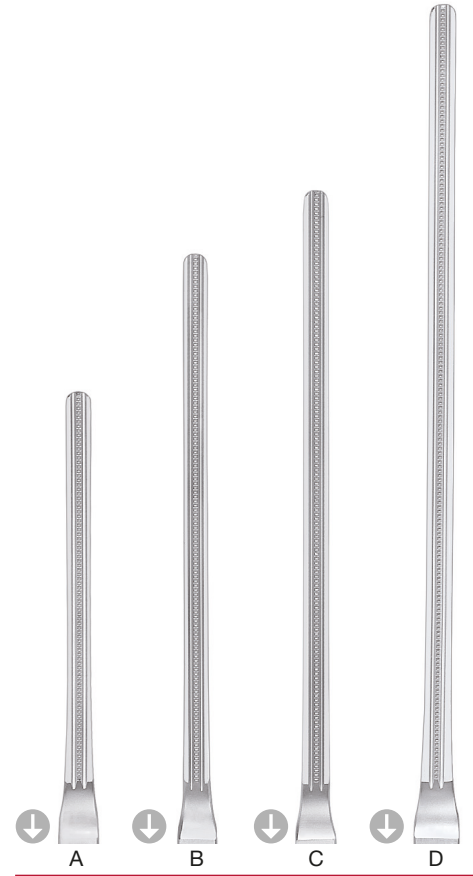
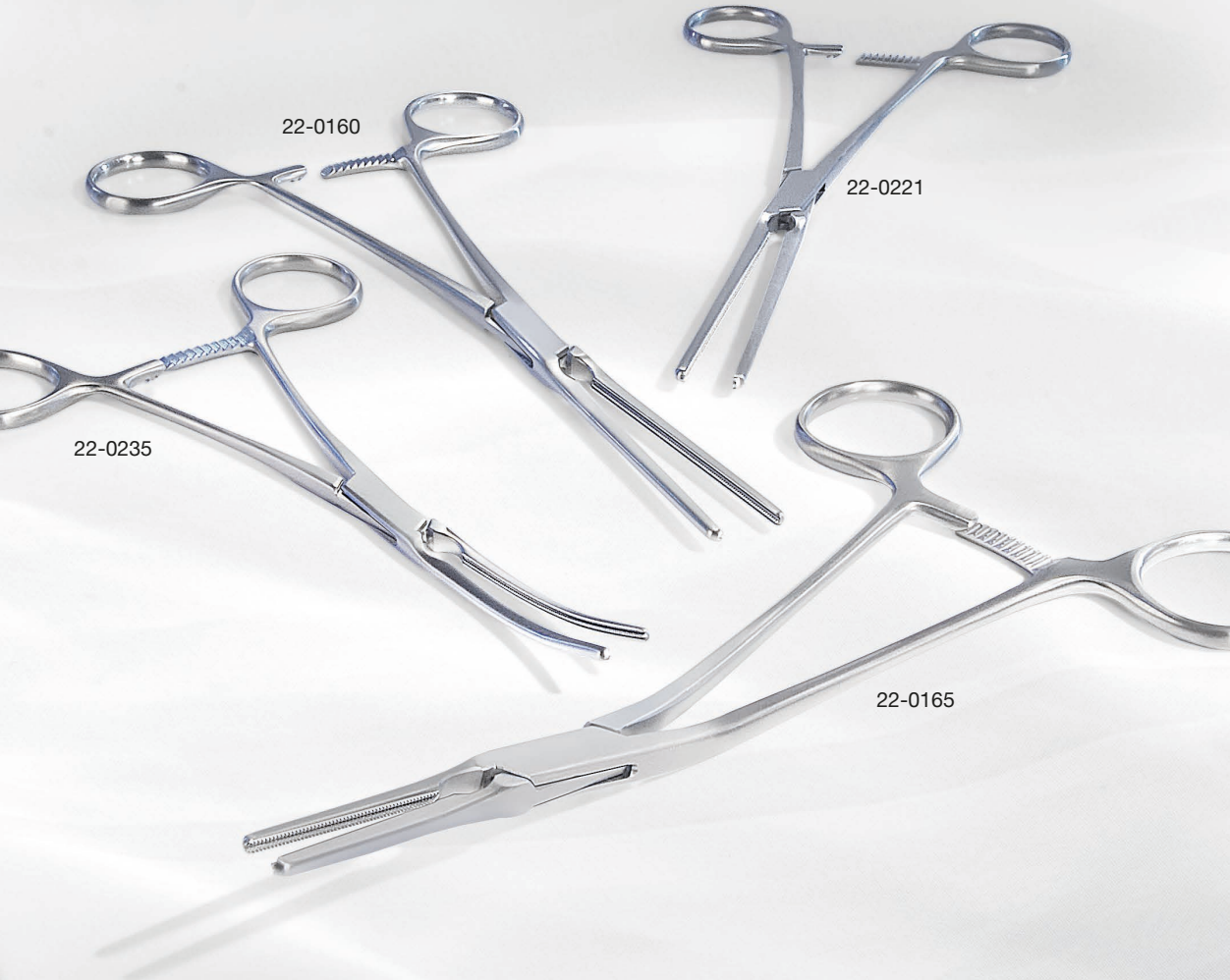
↷ ↶ angled shanks

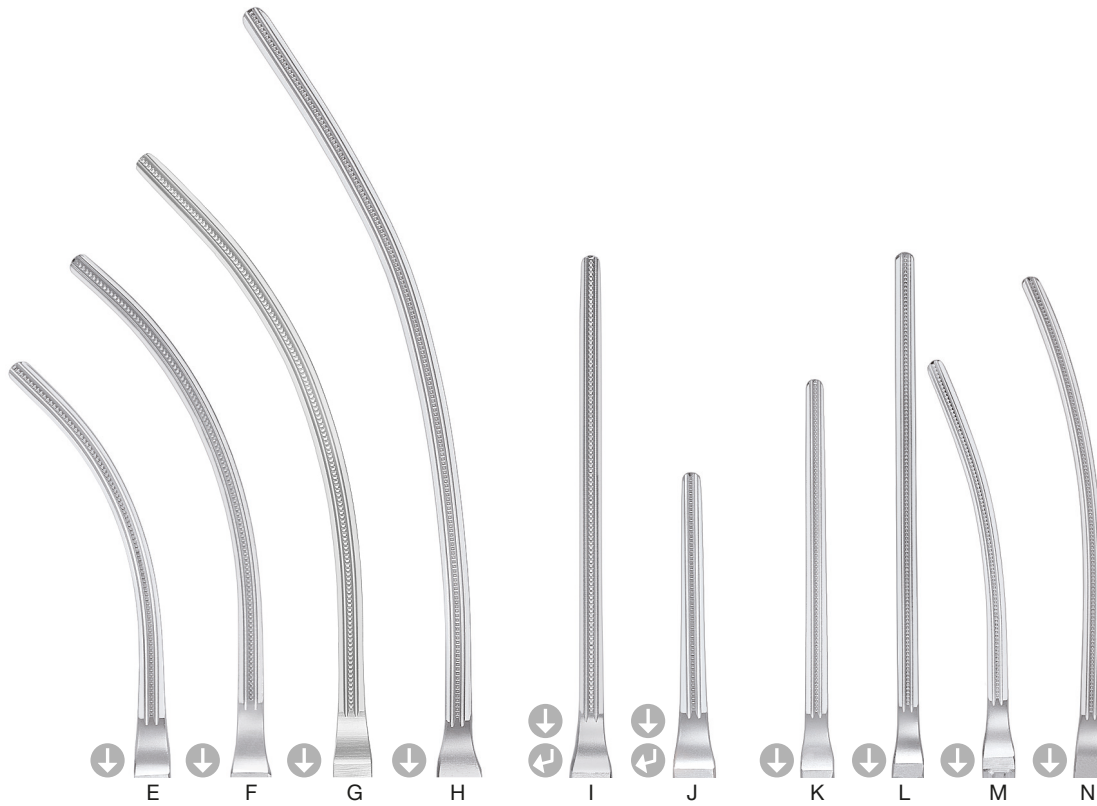
⊘ graduated jaws

* bold = shown



Atraumatic Clamps





↓ straight shanks

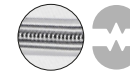
↙ ↘ curved shanks

↙ ↘ slightly angled shanks

↙ ↘ angled shanks

▨ graduated jaws

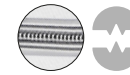
* bold = shown



Atraumatic Clamps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0220	210 / 8¼
B	22-0221	230 / 9
C	22-0222	270 / 10½
D	22-0223	315 / 12½
E	22-0225	210 / 8¼
F	22-0226	230 / 9
G	22-0227	270 / 10½
H	22-0228	310 / 12¼



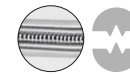
Peripheral Clamps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	
I	22-0160	220 / 8¾	straight shanks
I	22-0161	220 / 8¾	ang. shanks
J	22-0164	195 / 7¾	straight shanks
J	22-0165	190 / 7½	ang. shanks

Titanium

Fig.	Art.-No.	Length mm / "	
	22-0160.TI	220 / 8¾	straight shanks
	22-0161.TI	220 / 8¾	ang. shanks
	22-0164.TI	195 / 7¾	straight shanks
	22-0165.TI	190 / 7½	ang. shanks



Bainbridge

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
K	22-0230	170 / 6¾
L	22-0232	185 / 7¼
M	22-0235	170 / 6¾
N	22-0237	185 / 7¼



Atraumatic Clamps



23-0402



23-0230



23-0654



23-0236



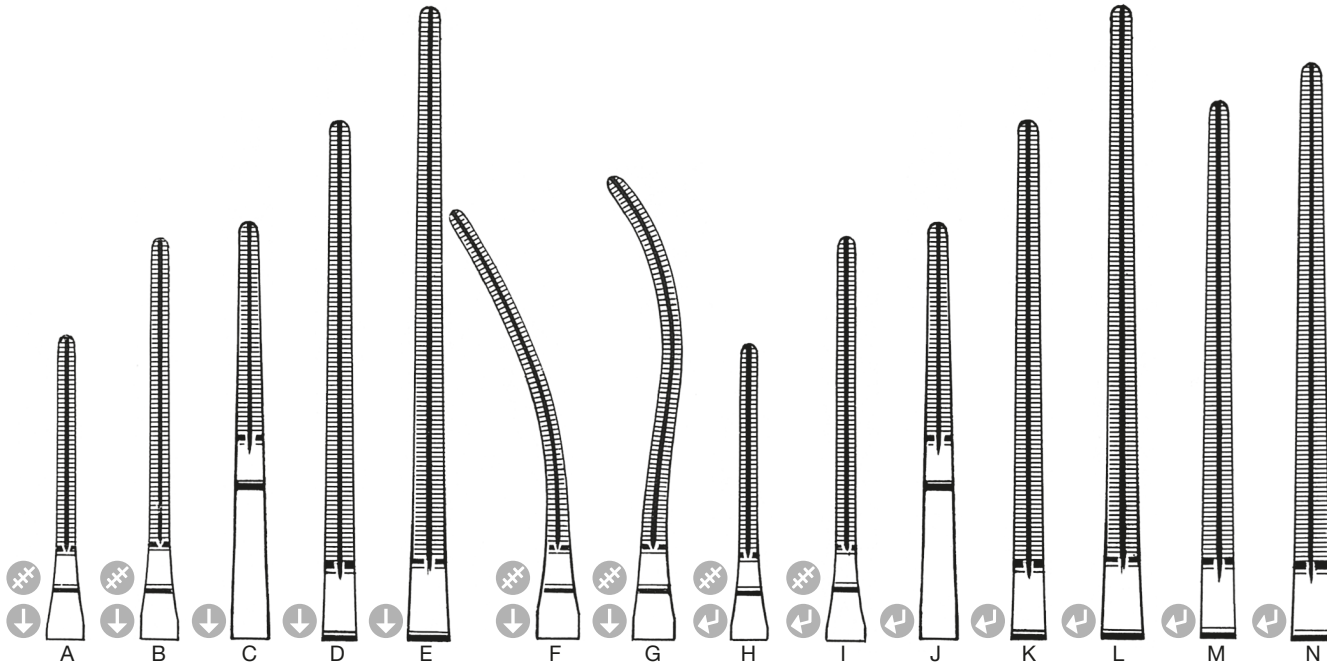
Atraumatic Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
A	23-0650	160 / 6¼
B	23-0652	170 / 6¾
C	23-0220	210 / 8¼
D	23-0230	220 / 8¾
E	23-0234	260 / 10¼
F	23-0654	175 / 7
G	23-0655	180 / 7
H	23-0651	155 / 6
I	23-0653	170 / 6¾
J	23-0222	205 / 8
K	23-0236	220 / 8¾
L	23-0238	260 / 10¼
M	23-0402	215 / 8½
N	23-0404	260 / 10¼

Titanium

Fig.	Art.-No.	Length mm / "
	23-0650.TI	160 / 6¼
	23-0652.TI	170 / 6¾
	23-0654.TI	175 / 7
	23-0655.TI	180 / 7
	23-0651.TI	155 / 6
	23-0653.TI	170 / 6¾



↓ straight shanks

↷ ↶ curved shanks

↙ ↘ slightly angled shanks

↗ ↖ angled shanks

⊞ graduated jaws

* bold = shown

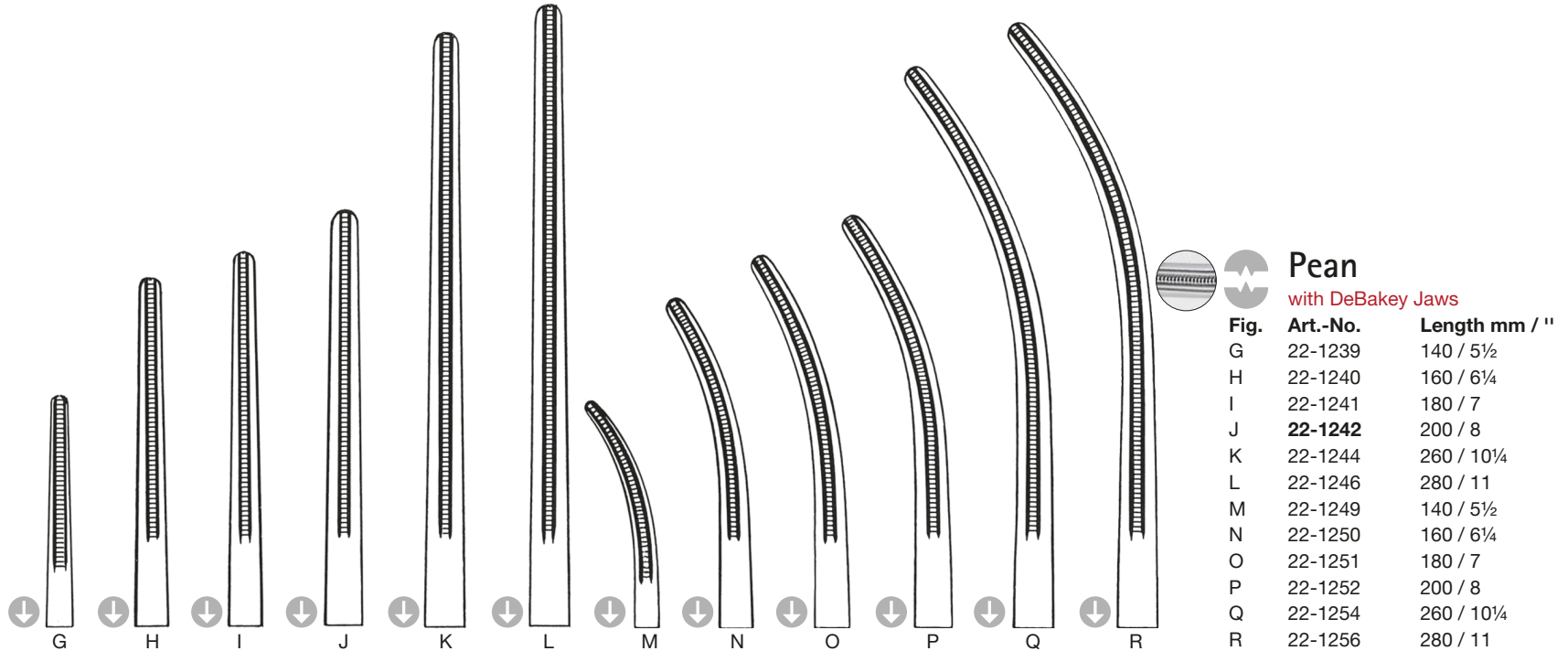
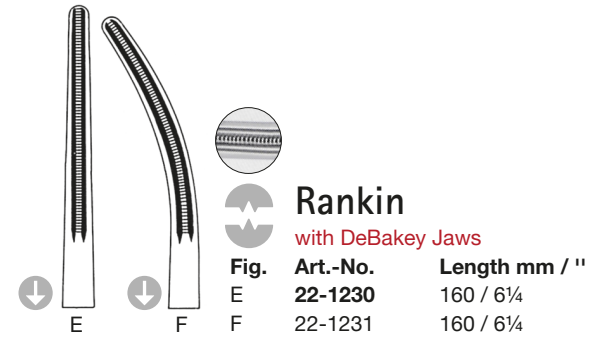
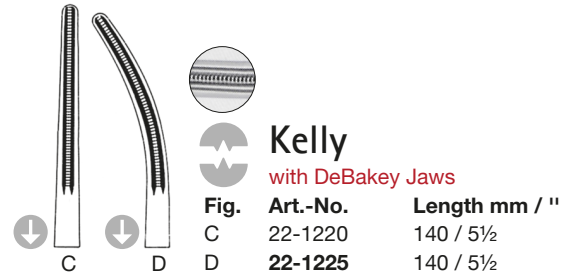
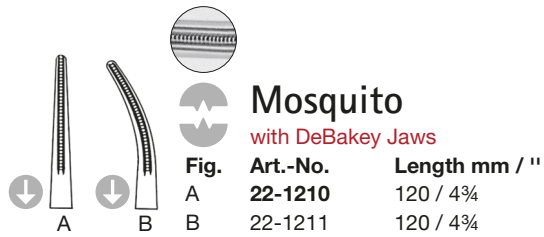


Atraumatic Hemostatic Forceps



Atraumatic Hemostatic Forceps

GEISTER®



↓ straight shanks

↷ ↶ curved shanks

↷ ↶ slightly angled shanks

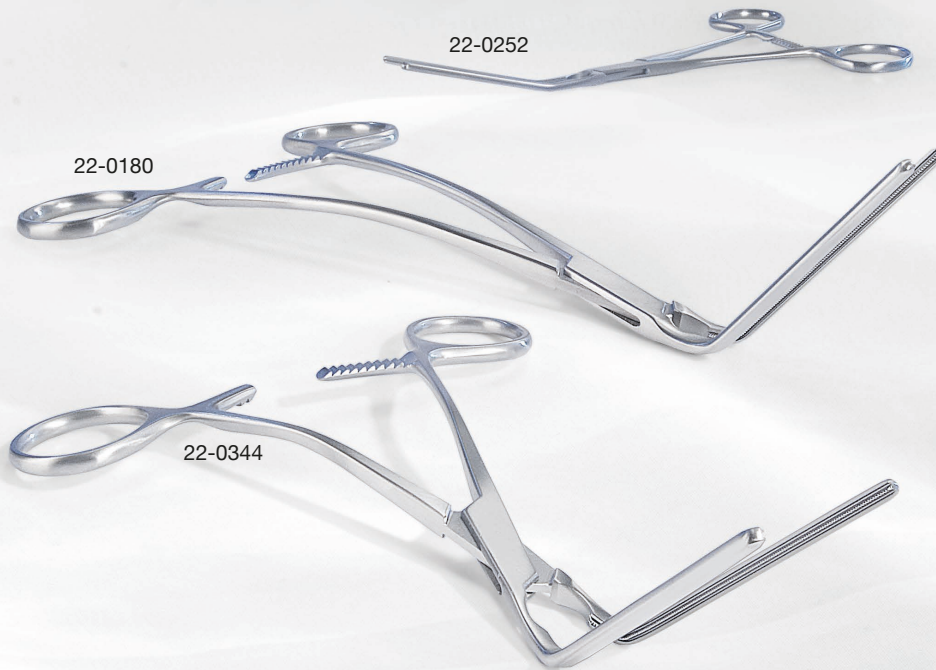
↷ ↶ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps



Peripheral Clamps

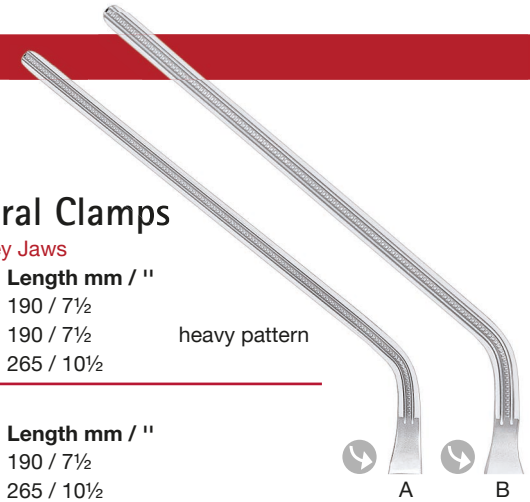
with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0180	190 / 7½
	22-0181	190 / 7½
B	22-0170	265 / 10½

heavy pattern

Titanium

Fig.	Art.-No.	Length mm / "
	22-0180.TI	190 / 7½
	22-0170.TI	265 / 10½



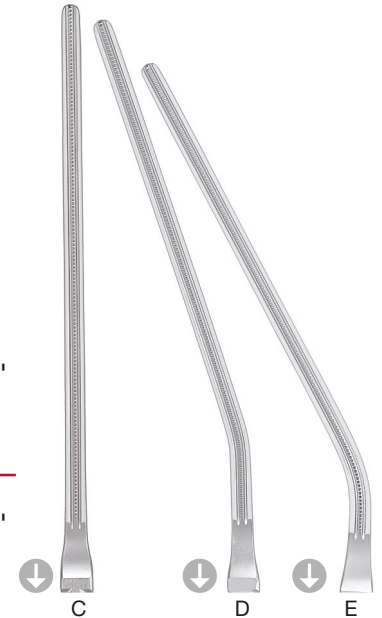
Leland-Jones

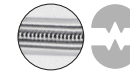
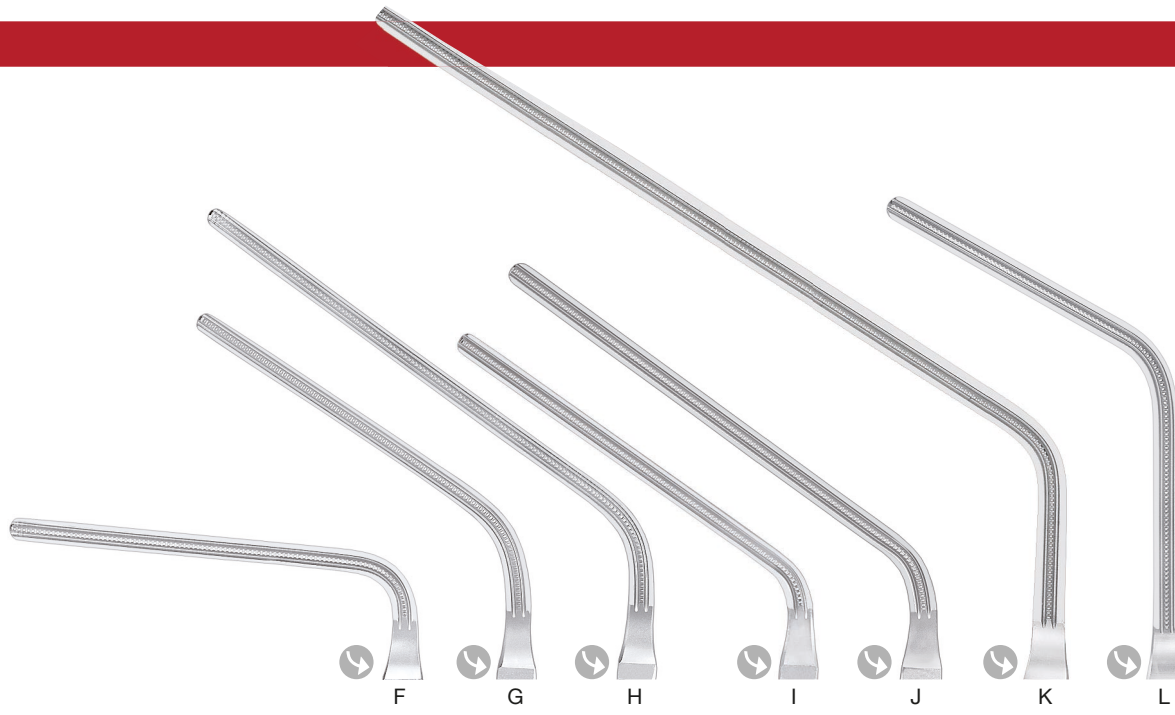
with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
C	22-0250	195 / 7¾
D	22-0252	195 / 7¾
E	22-0254	195 / 7¾

Titanium

Fig.	Art.-No.	Length mm / "
	22-0250.TI	195 / 7¾
	22-0252.TI	195 / 7¾
	22-0254.TI	195 / 7¾





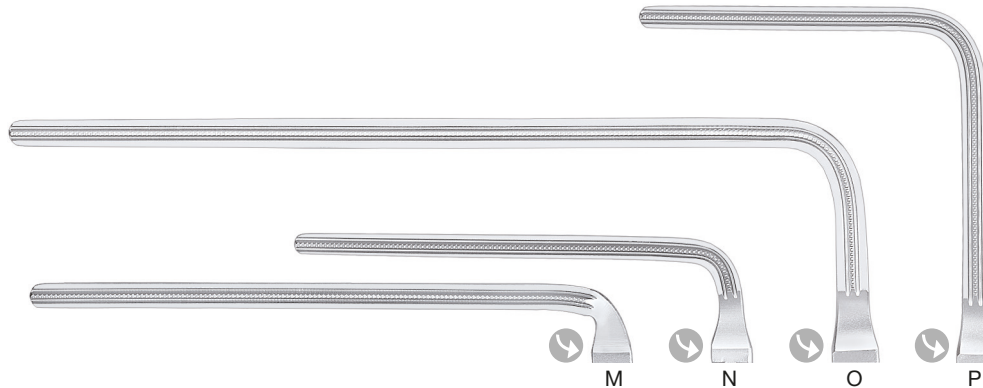
Multi-Purpose

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
F	22-0349	180 / 7
G	22-0339	210 / 8¼
H	22-0343	230 / 9
I	22-0342	205 / 8
J	22-0344	240 / 9½
K	22-0346	305 / 12
L	22-0340	250 / 10
M	22-0354	215 / 8½
N	22-0352	180 / 7
O	22-0356	270 / 10½
P	22-0350	230 / 9

Titanium

Fig.	Art.-No.	Length mm / "
	22-0342.TI	205 / 8
	22-0344.TI	240 / 9½
	22-0346.TI	305 / 12
	22-0340.TI	250 / 10
	22-0354.TI	215 / 8½
	22-0352.TI	180 / 7
	22-0356.TI	270 / 10½
	22-0350.TI	230 / 9



↓ straight shanks

↪ ↻ curved shanks

↪ ↻ slightly angled shanks

↪ ↻ angled shanks

⊗ graduated jaws

* bold = shown





CRAFTSMANSHIP 4.0

The difference between something good and something great is attention to detail.

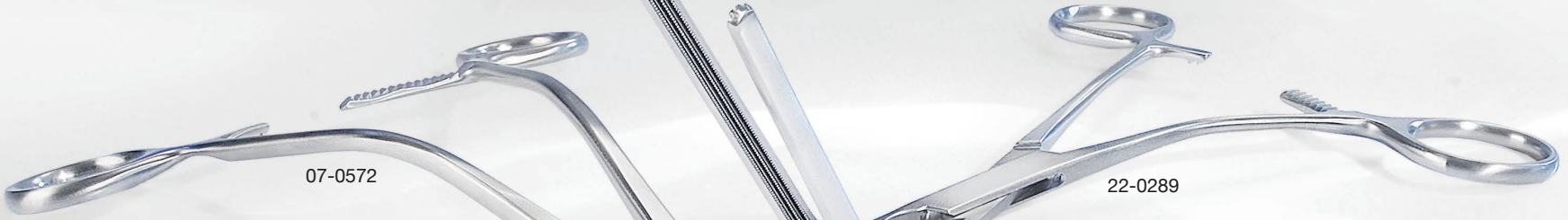
The combination of experience, tradition and craftsmanship, with the advanced possibilities of modern CNC-controlled production technology provides for the manufacturing of surgical instruments of the highest technical standard. Only this interaction of traditional workmanship skills with high precision machinery, as well as the use of the best raw materials, can ensure a perfect function and performance of our products for many years of use. The manufacturing of surgical instruments at the highest quality

level is the scope of all employees of our company. Therefore, we can ensure that only the finest surgical instruments with the highest quality standard will leave our facility.

A lean organization provides for quick decision-making and rapid development and implementation of ideas and measures. The continuous optimization of all processes is the responsibility and daily challenge that helps keep each one of our team members motivated to provide the very best.



22-0291



07-0572



22-0289



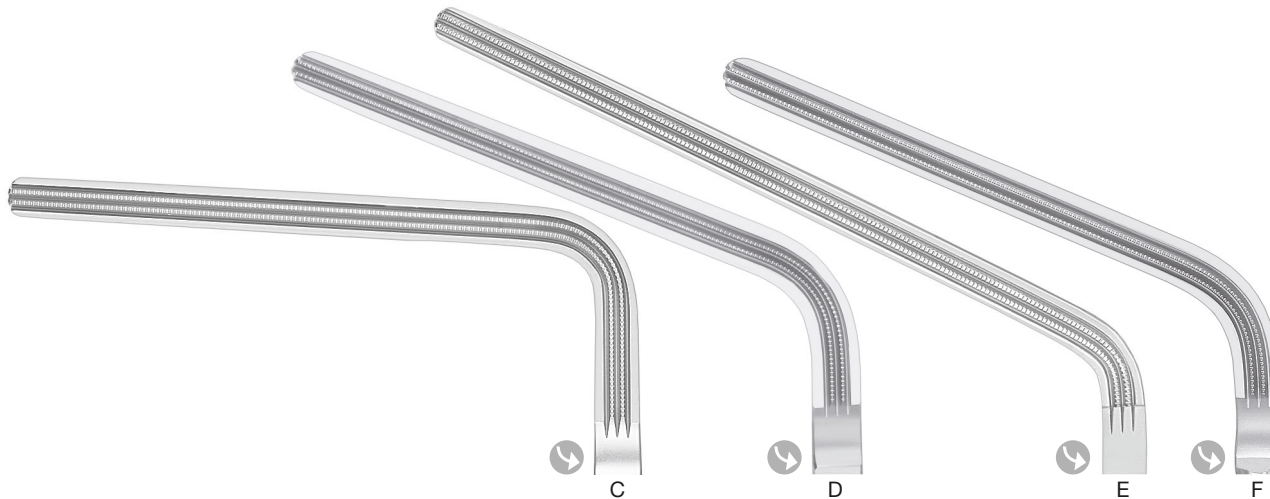
22-0289



Hayes

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	07-0572	285 / 11¼
B	07-0570	270 / 10½



Morris

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
C	22-0292	265 / 10½
D	22-0291	275 / 10¾
E	22-0294	230 / 9
F	22-0290	230 / 9
	22-0289	210 / 8¼

↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊘ graduated jaws

* bold = shown



Atraumatic Clamps



23-0084



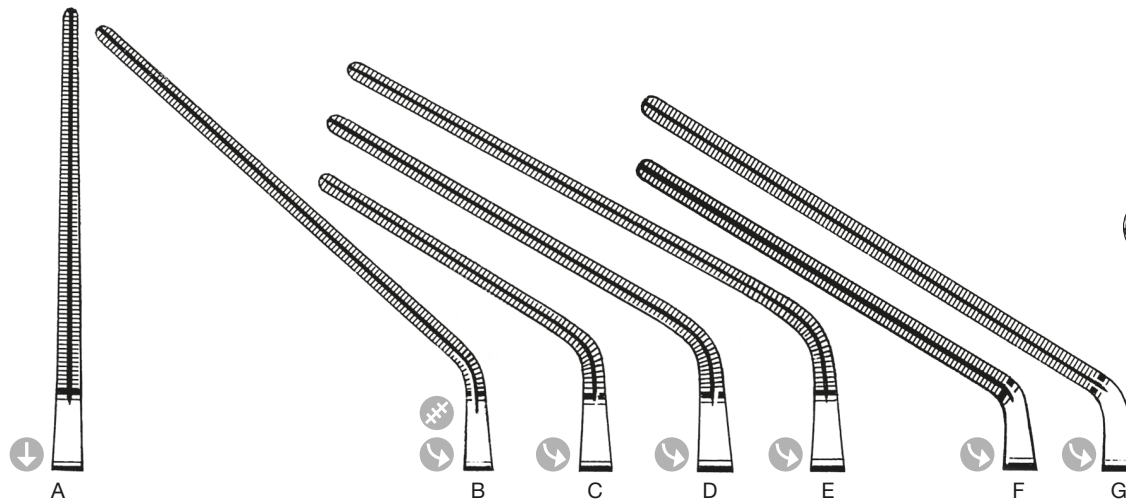
23-0062



23-0066



23-0554



Peripheral Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "	
A	23-0062	170 / 6¾	
B	23-0066	185 / 7¼	
C	23-0082	165 / 6½	very delicate
D	23-0084	175 / 7	very delicate
E	23-0086	190 / 7½	very delicate
F	23-0554	205 / 8	
G	23-0556	240 / 9½	

↓ straight shanks

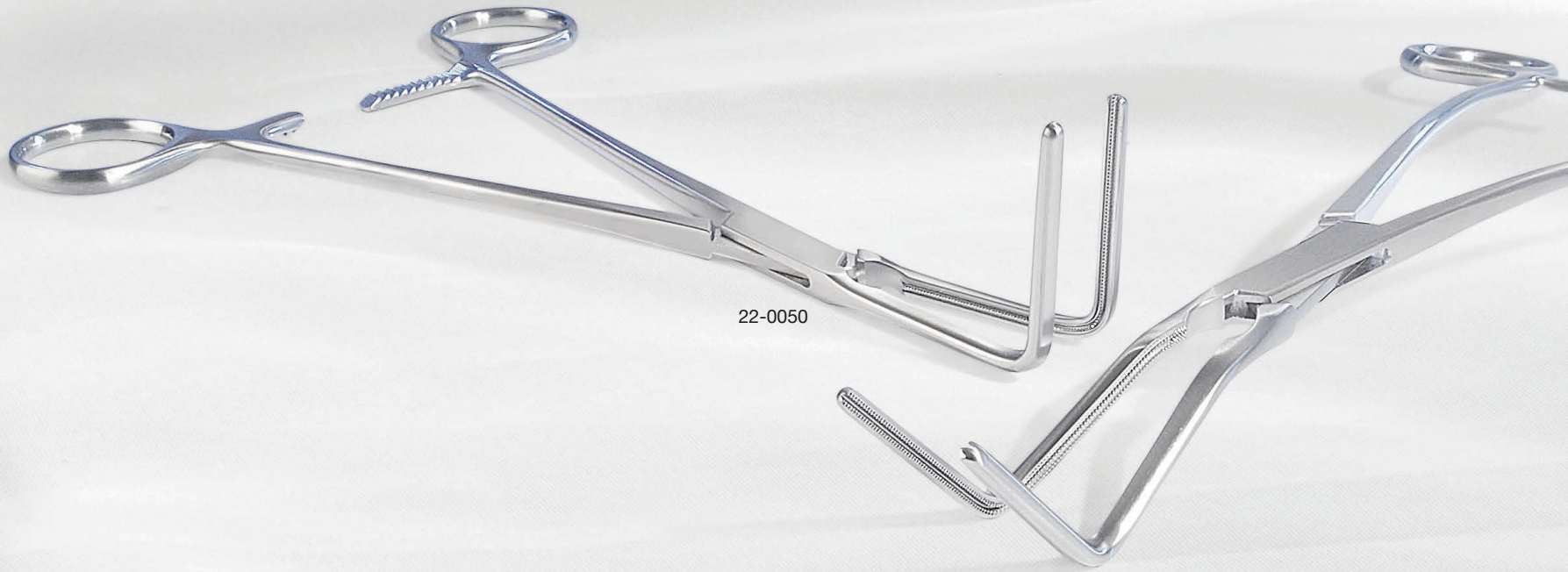
↷ ↶ curved shanks

↷ ↶ slightly angled shanks

↗ ↘ angled shanks

⊗ graduated jaws

* **bold** = shown

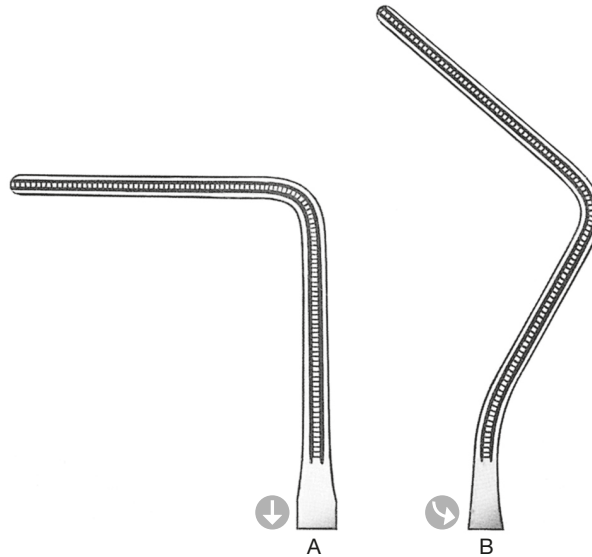


22-0050

Atraumatic Clamps

GEISTER®

22-0051



Lees Bronchus Clamps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0050	230 / 9
B	22-0051	250 / 10

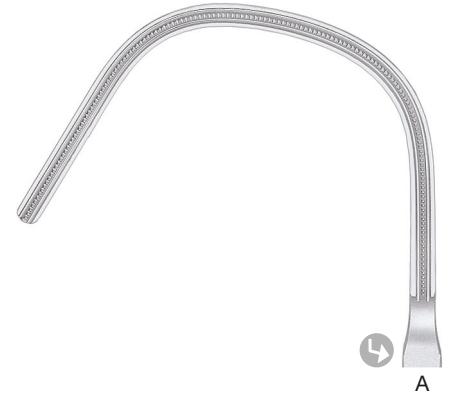
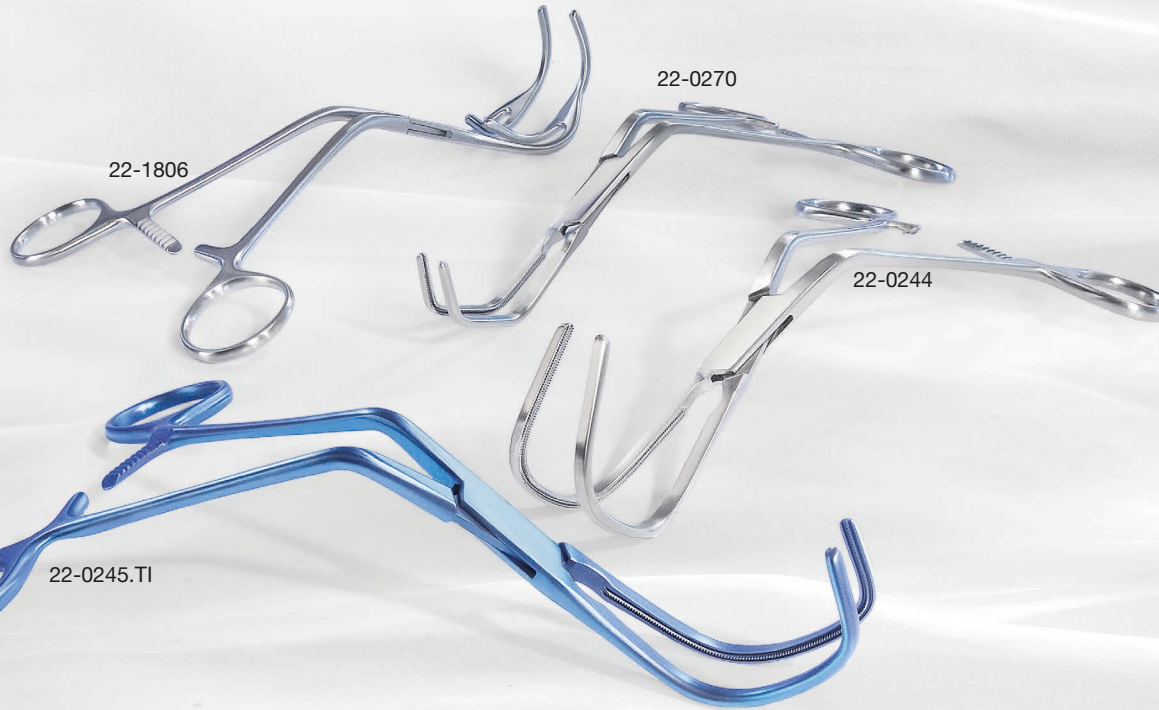
Titanium

Fig.	Art.-No.	Length mm / "
	22-0050.TI	230 / 9
	22-0051.TI	250 / 10

* bold = shown

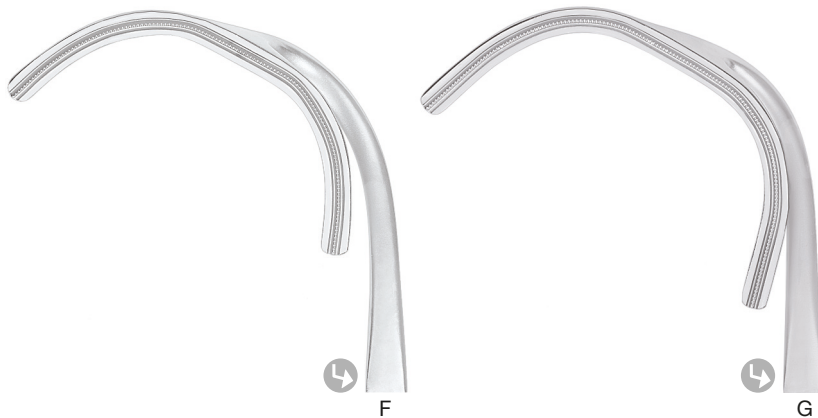


Atraumatic Clamps



Atraumatic Clamps

GEISTER®

**Ochsner**

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
C	22-0265	235 / 9¼

**Kay**

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0244	200 / 8

Titanium

Fig.	Art.-No.	Length mm / "
	22-0244.TI	200 / 8

**Liddle**

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
D	22-0268	270 / 10½

**Diethrich**

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
E	22-0270	195 / 7¾

**Lambert-Kay**

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
B	22-0245	200 / 8

Titanium

Fig.	Art.-No.	Length mm / "
	22-0245.TI	200 / 8

**Lemole-Strong**

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
F	22-1801	205 / 8
G	22-1806	205 / 8

↓ straight shanks

↷ ↶ curved shanks

↷ ↶ slightly angled shanks

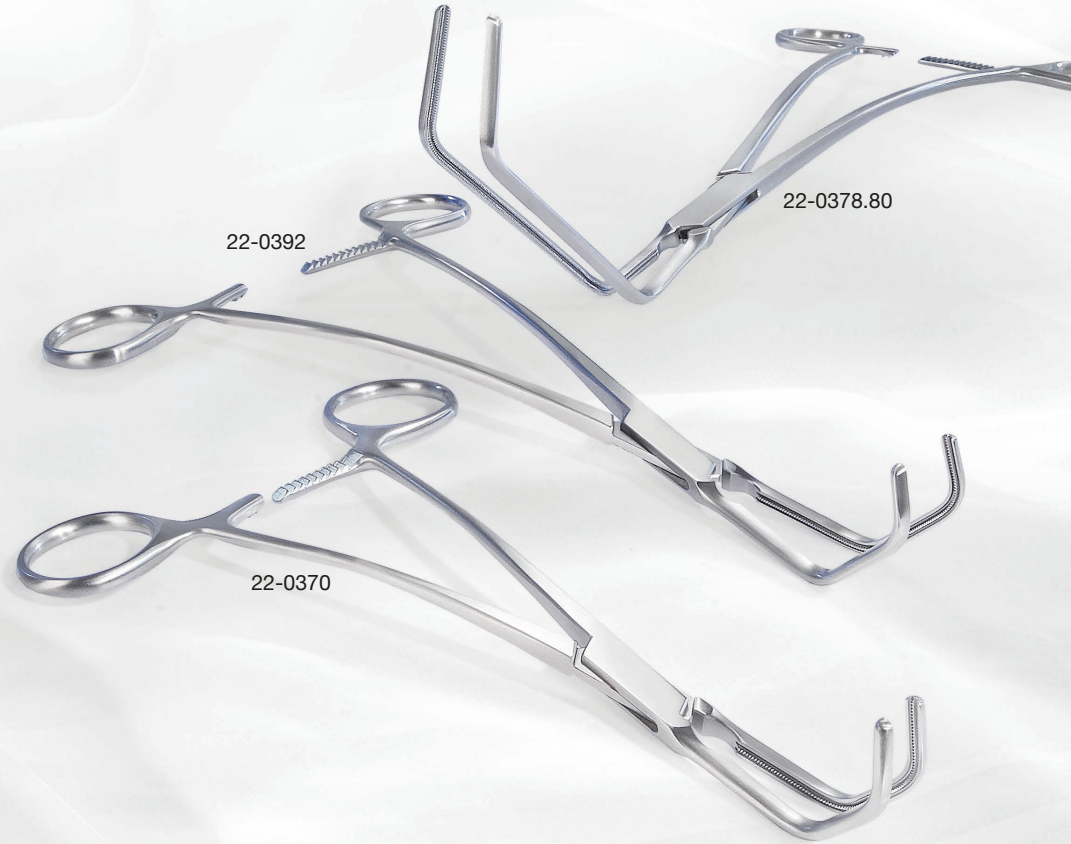
↷ ↶ angled shanks

⊗ graduated jaws

* bold = shown



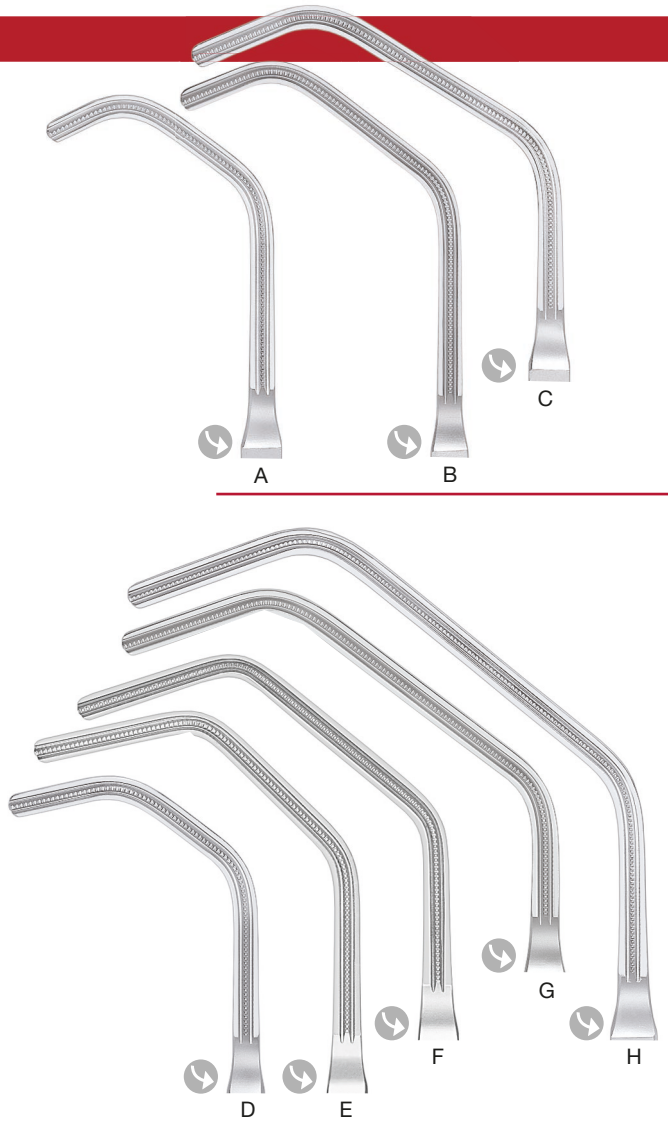
Atraumatic Clamps



22-0392

22-0378.80

22-0370



A

B

C

D

E

F

G

H

Atraumatic Clamps

GEISTER®



Satinsky

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0394	235 / 9¼
B	22-0392	240 / 9½
C	22-0390	245 / 9¾

Titanium

Fig.	Art.-No.	Length mm / "
	22-0394.TI	235 / 9¼
	22-0392.TI	240 / 9½
	22-0390.TI	245 / 9¾



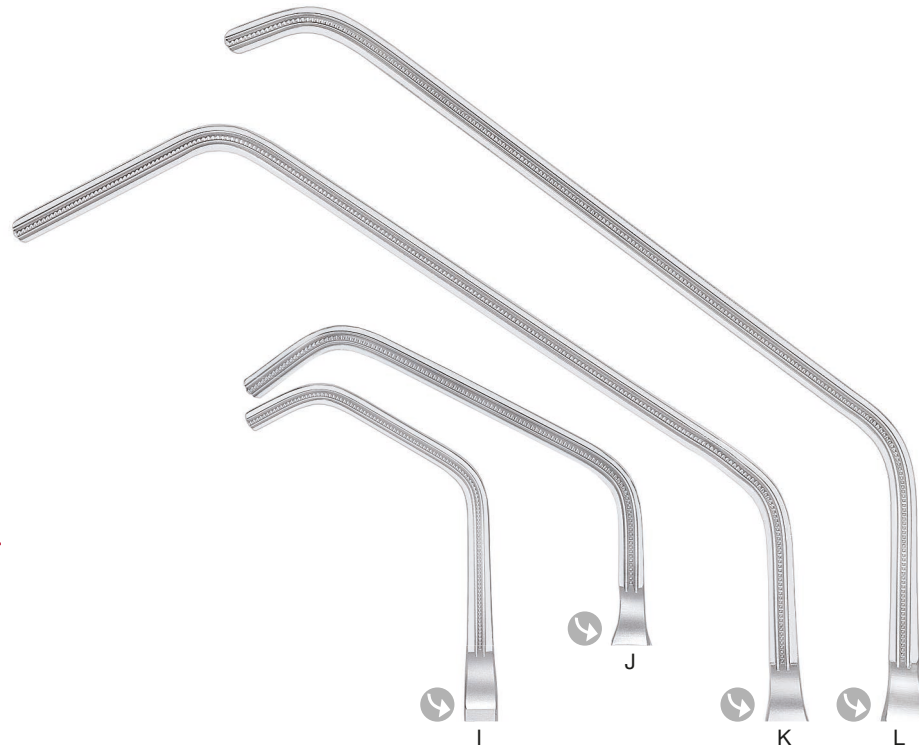
Tangential Clamps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
D	22-0370	200 / 8
E	22-0372	250 / 10
F	22-0374	260 / 10¼
G	22-0376	265 / 10½
H	22-0378	280 / 11

Titanium

Fig.	Art.-No.	Length mm / "
	22-0370.TI	200 / 8
	22-0372.TI	250 / 10
	22-0374.TI	260 / 10¼
	22-0376.TI	265 / 10½
	22-0378.TI	280 / 11



Derra-Satinsky

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
I	22-0493	170 / 6¾



Satinsky

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
J	22-0387	240 / 9½



Satinsky

Liver Transplant Clamps
with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
K	22-0378.80	300 / 11¾
L	22-0378.90	305 / 12

straight shanks

curved shanks

slightly angled shanks

angled shanks

graduated jaws

* bold = shown



Atraumatic Clamps

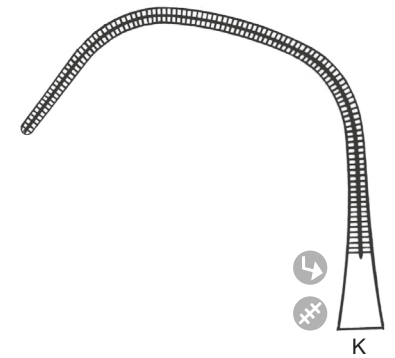


23-0300

23-2600

23-0522

23-0342

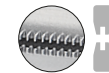
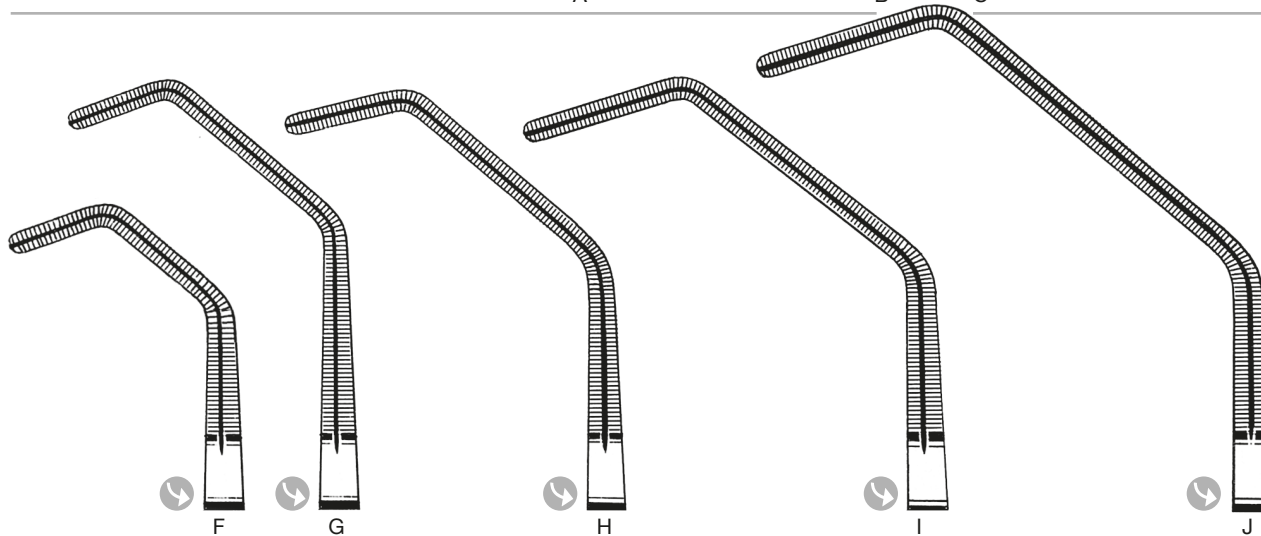
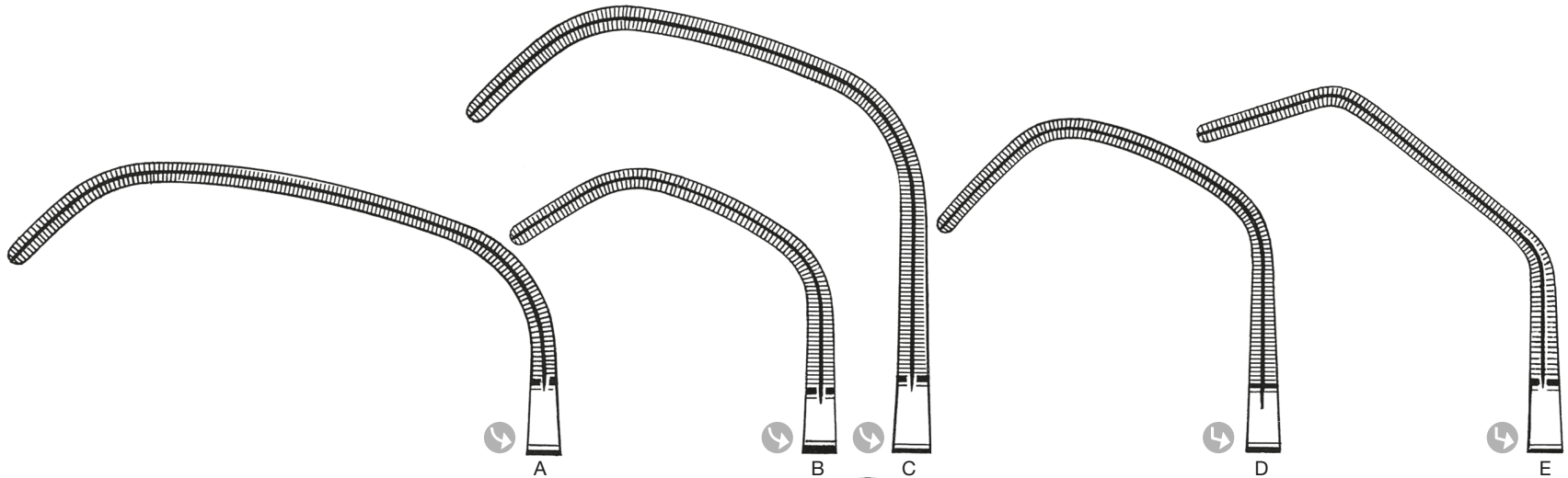
**Leitz**

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
K	23-2600	200 / 8

Atraumatic Clamps

GEISTER®



Atraumatic Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
A	23-0300	260 / 10¼
B	23-0310	225 / 8¾
C	23-0322	270 / 10½
D	23-0342	200 / 8
E	23-0350	250 / 10
F	23-0520	200 / 8
G	23-0522	260 / 10¼
H	23-0524	265 / 10½
I	23-0526	265 / 10½
J	23-0528	270 / 10½

straight shanks

curved shanks

slightly angled shanks

angled shanks

graduated jaws

* bold = shown



Atraumatic Clamps



22-0369



22-0480



22-0491



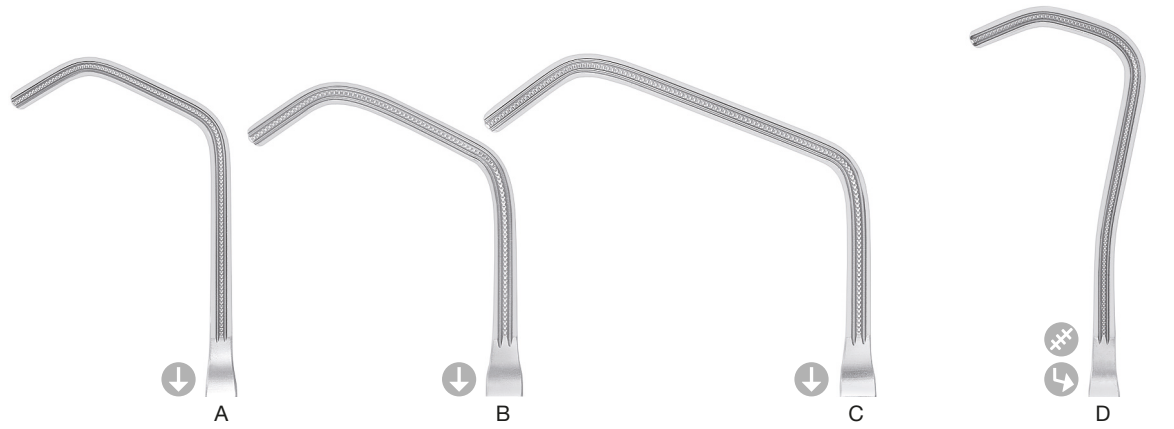
22-0430



22-0491.TI

Atraumatic Clamps

GEISTER®



Beck

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0530	165 / 6½
B	22-0430	195 / 7¾
C	22-0431	200 / 8

Titanium

Fig.	Art.-No.	Length mm / "
	22-0530.TI	165 / 6½



Anastomosis Clamp

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
D	22-0480	170 / 6¾



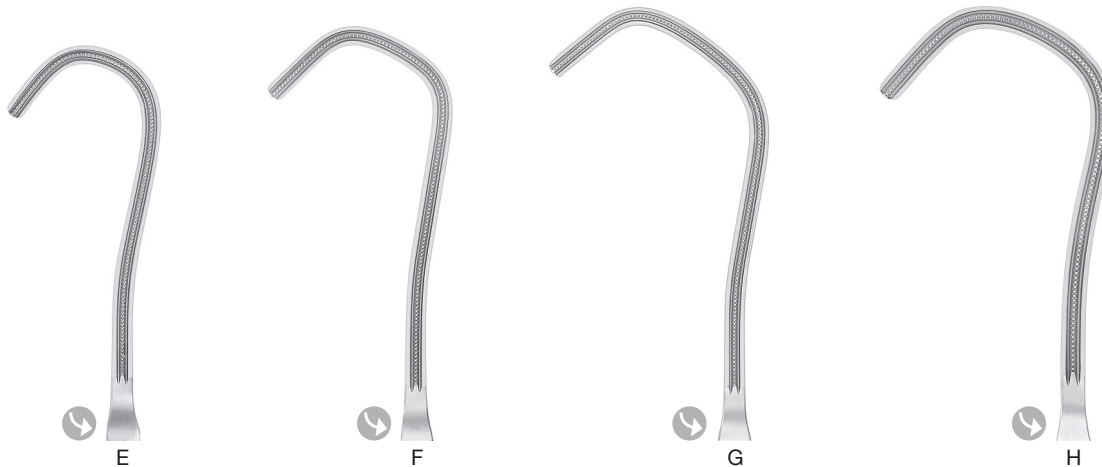
Derra

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
E	22-0490	170 / 6¾
F	22-0491	170 / 6¾
G	22-0492	170 / 6¾

Titanium

Fig.	Art.-No.	Length mm / "
	22-0490.TI	170 / 6¾
	22-0491.TI	170 / 6¾
	22-0492.TI	170 / 6¾



↓ straight shanks

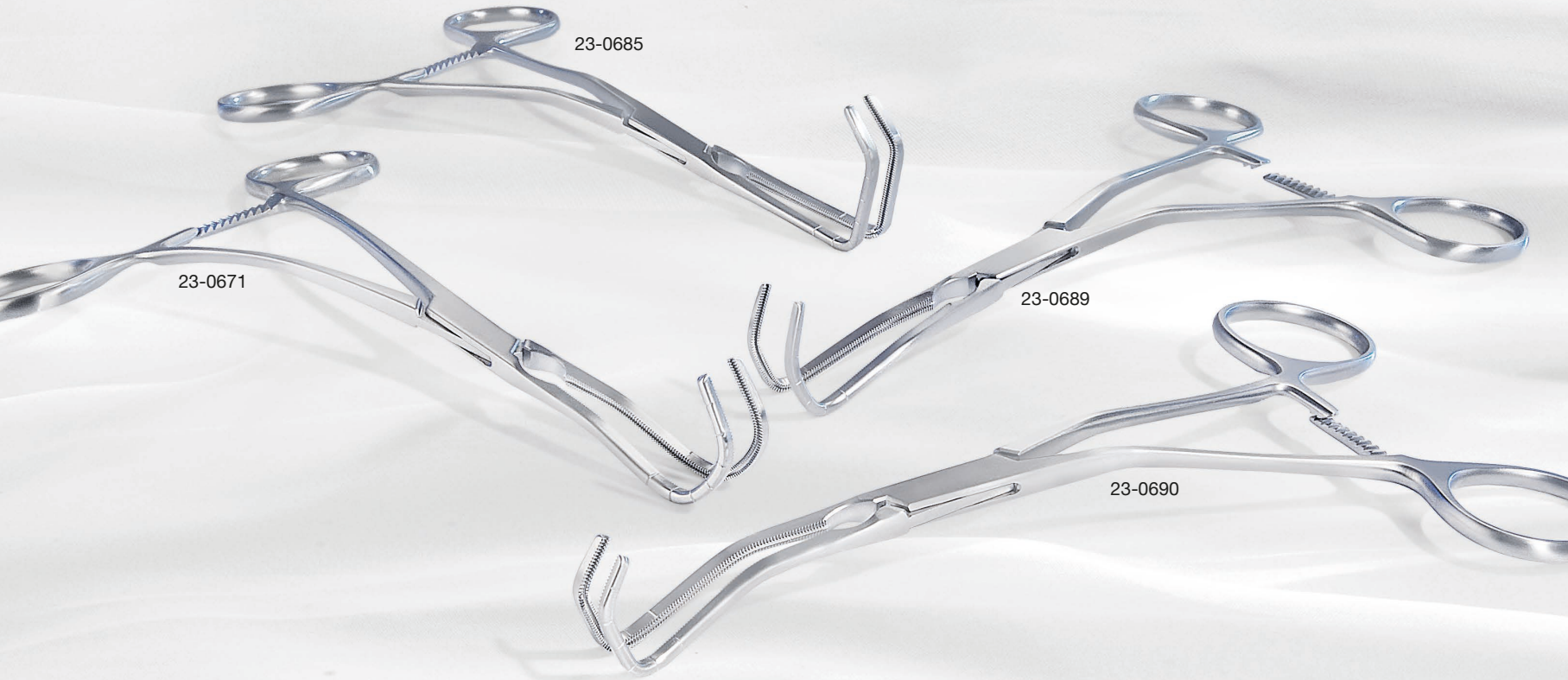
↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* bold = shown



23-0671

23-0685

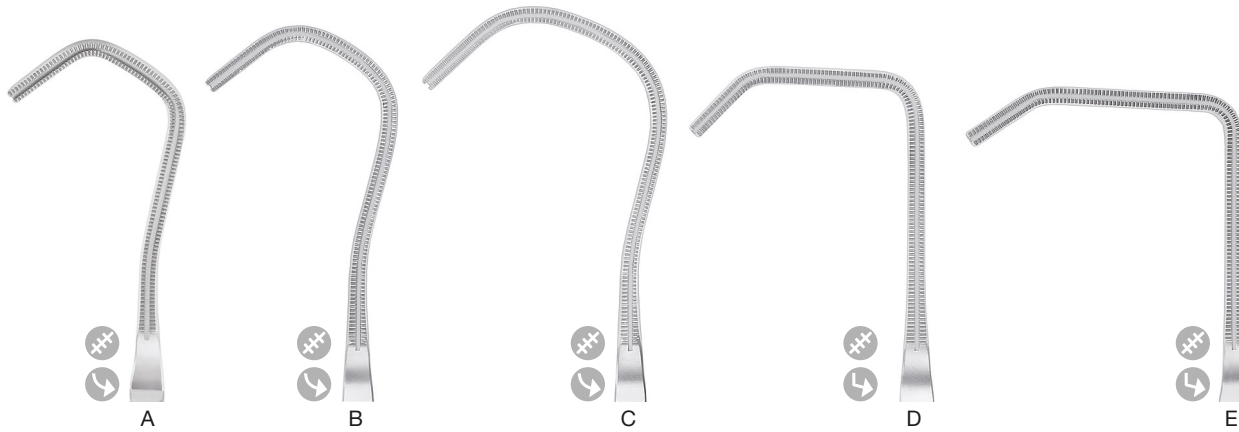
23-0689

23-0690

23-0685

Atraumatic Clamps

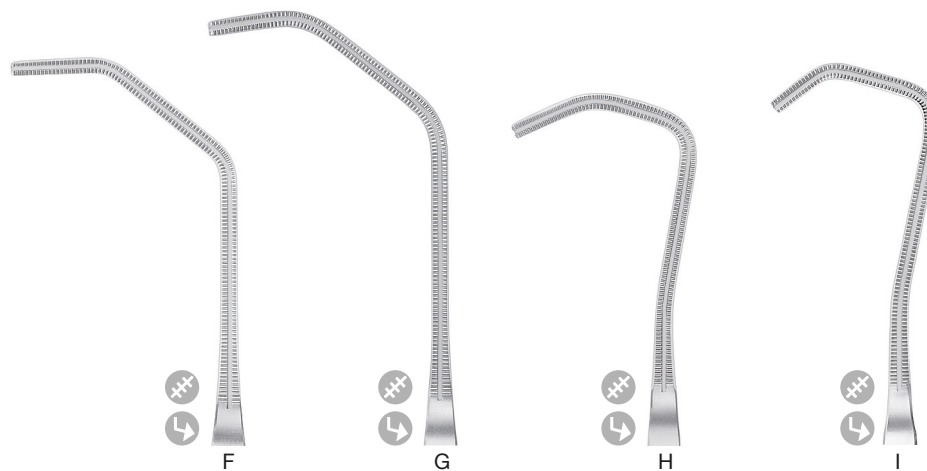
GEISTER®



Derra

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
A	23-0670	165 / 6½
B	23-0671	170 / 6¾
C	23-0672	175 / 7



Anastomosis Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
D	23-0685	165 / 6½
E	23-0686	165 / 6½
F	23-0687	175 / 7
G	23-0688	175 / 7
H	23-0689	170 / 6¾



Pediatric Clamp

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
I	23-0690	170 / 6¾

straight shanks

curved shanks

slightly angled shanks

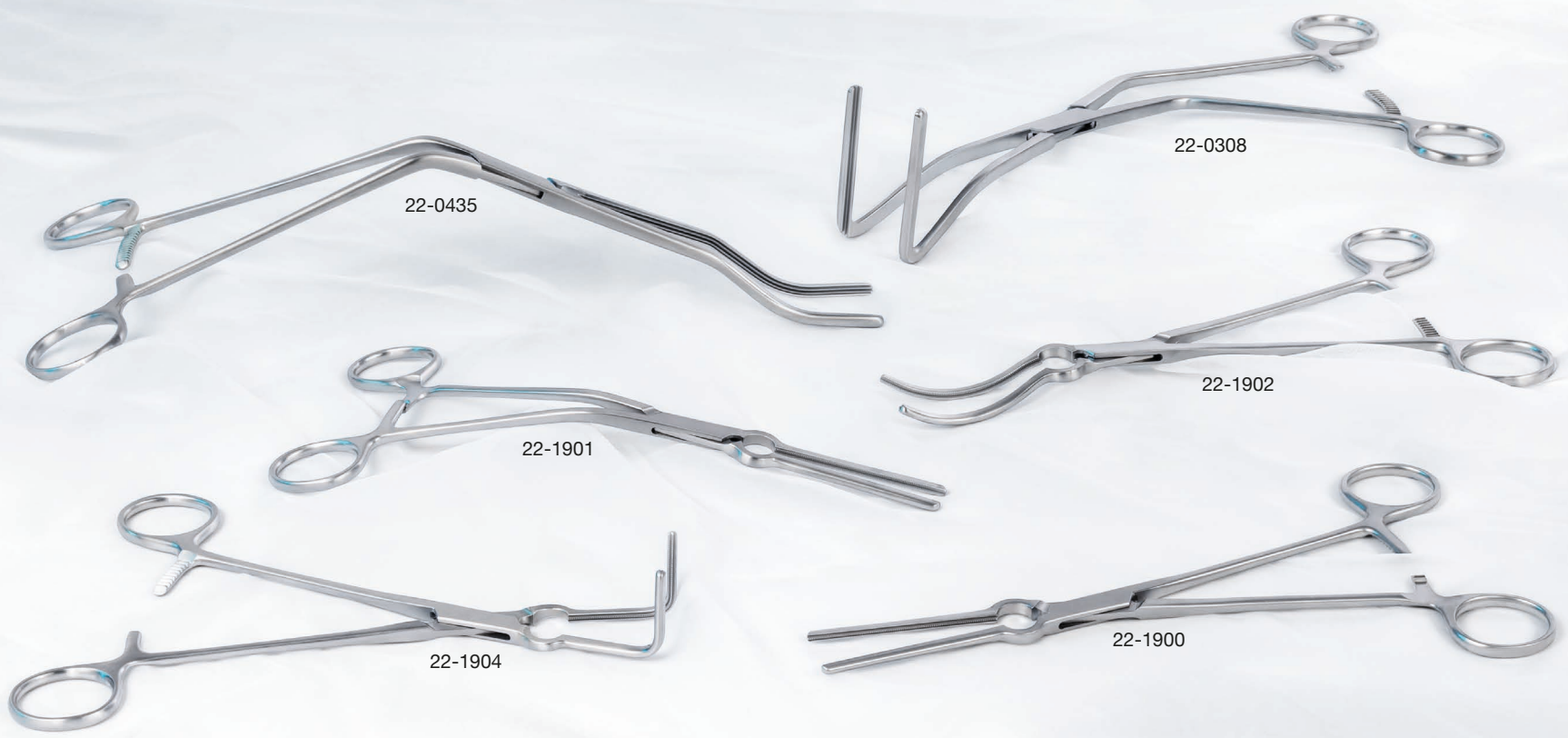
angled shanks

graduated jaws

* bold = shown



Atraumatic Clamps



22-0435

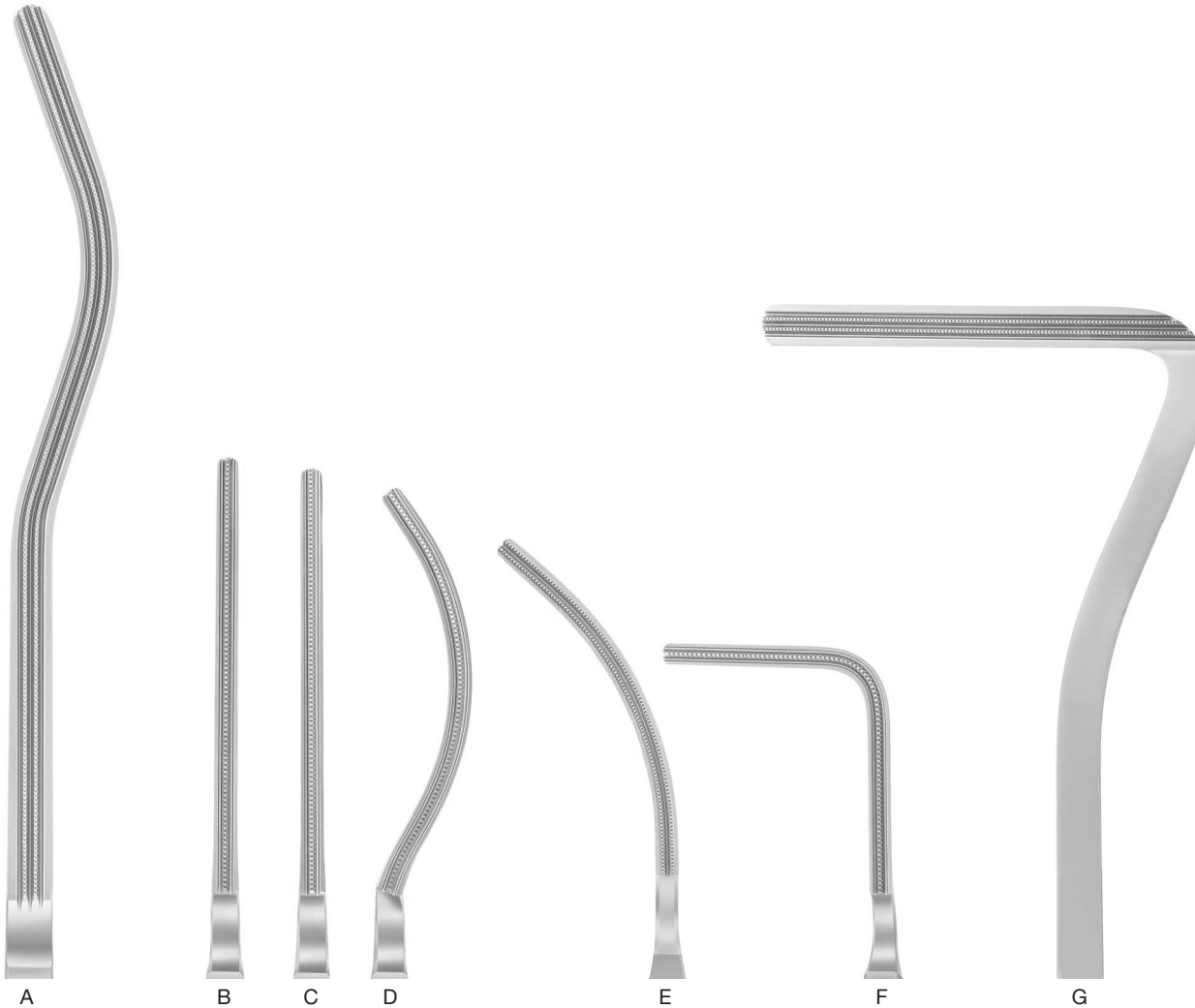
22-0308

22-1902

22-1901

22-1904

22-1900



Sandmann

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0435	305 / 12



Ulm

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
B	22-1900	220 / 8¾
C	22-1901	220 / 8¾
D	22-1902	220 / 8¾
E	22-1903	220 / 8¾
F	22-1904	200 / 8



Lüdecke

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
G	22-0308	270 / 10½

↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↕ ↕ angled shanks

⊗ graduated jaws

* bold = shown

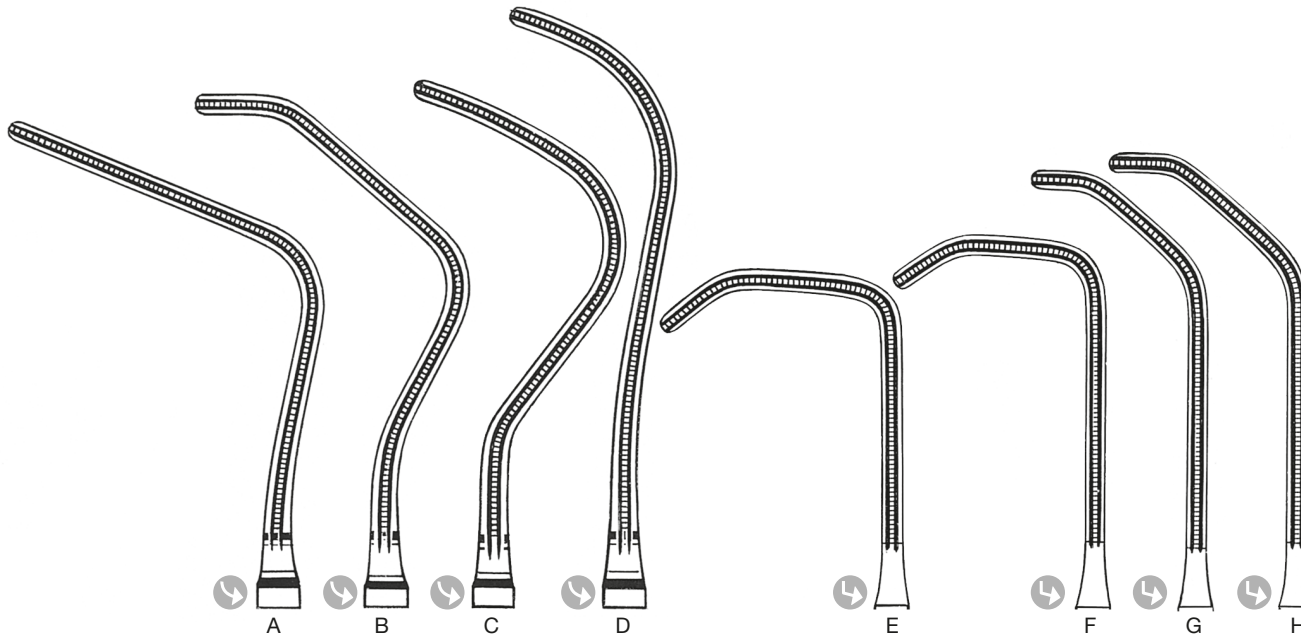


Atraumatic Clamps

22-0404

22-0541





Harken

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0408	240 / 9½
B	22-0404	240 / 9½
C	22-0402	240 / 9½
D	22-0400	250 / 10



Reynolds

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
E	22-0543	165 / 6½
F	22-0542	165 / 6½
G	22-0540	180 / 7
H	22-0541	180 / 7

↓ straight shanks

↕ ↕ curved shanks

↙ ↘ slightly angled shanks

↗ ↘ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps



22-0210



22-0140



22-0215



Glover

with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0146	185 / 7¼
B	22-0147	220 / 8¾
C	22-0140	210 / 8¼
D	22-0141	240 / 9½
E	22-0150	210 / 8¼
F	22-0151	260 / 10¼

Titanium

Fig.	Art.-No.	Length mm / "
	22-0140.TI	210 / 8¼
	22-0141.TI	240 / 9½
	22-0150.TI	210 / 8¼
	22-0151.TI	260 / 10¼



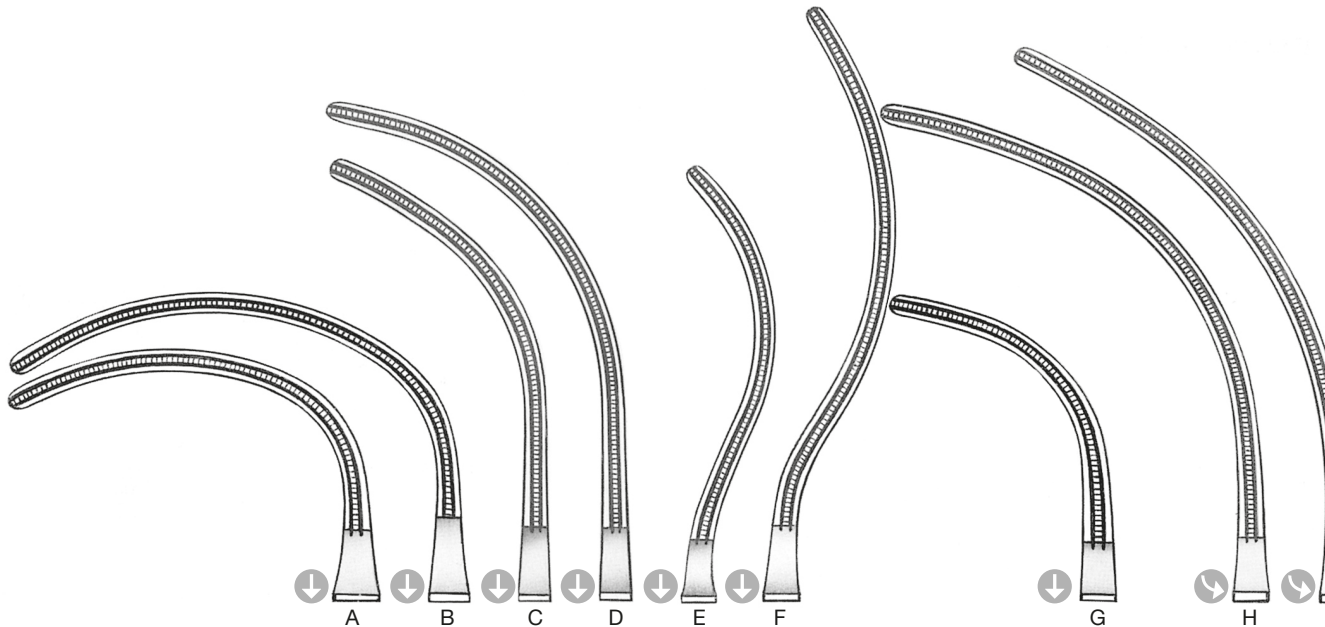
Peripheral Clamps

with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "
G	22-0215	160 / 6¼
H	22-0210	190 / 7½
I	22-0200	200 / 8

Titanium

Fig.	Art.-No.	Length mm / "
	22-0215.TI	160 / 6¼



↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps

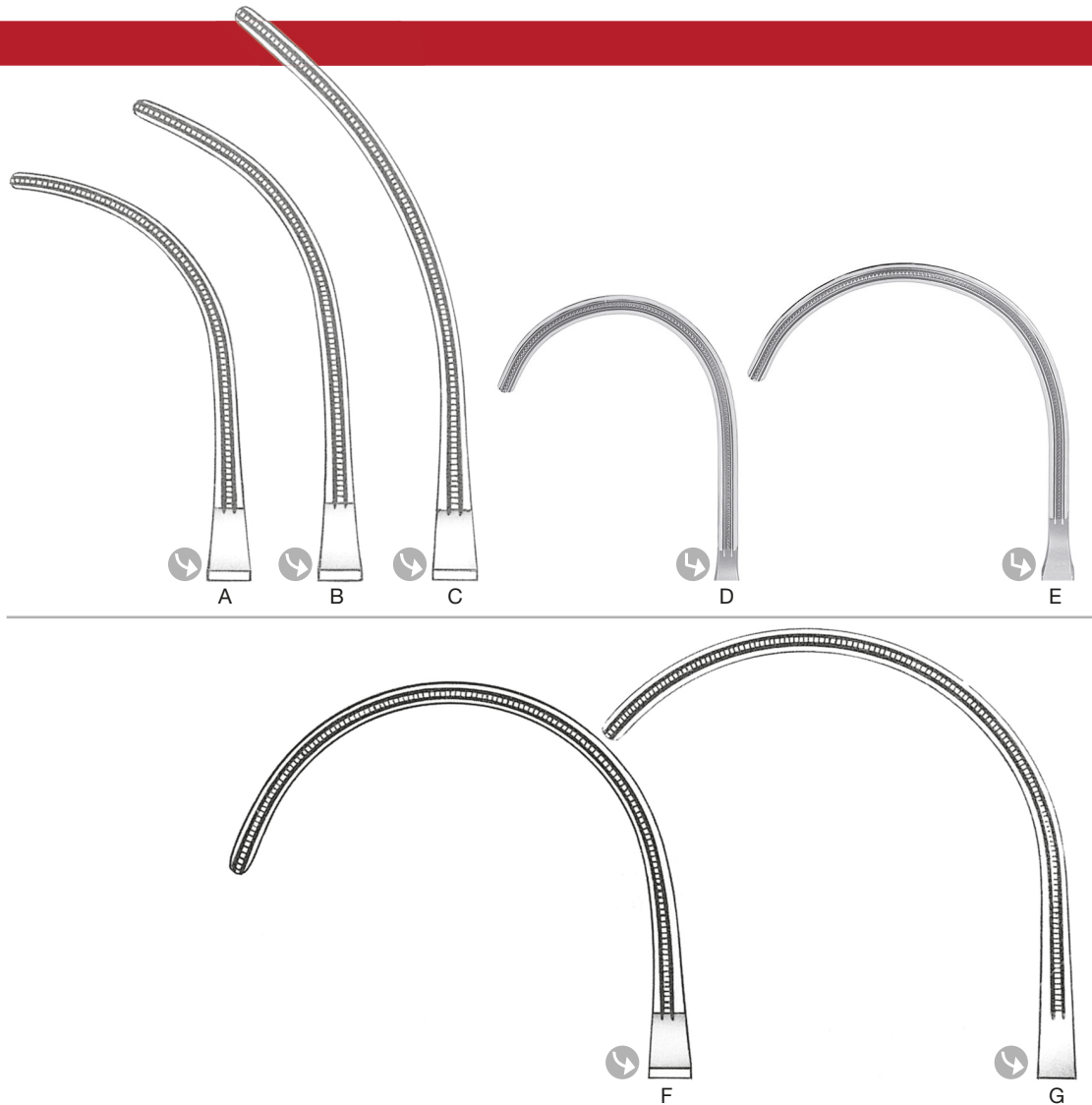


22-0310

22-0300

22-0246

22-0520



Bahnson

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0300	240 / 9½
B	22-0301	255 / 10
C	22-0302	265 / 10½

Titanium

Fig.	Art.-No.	Length mm / "
	22-300.TI	240 / 9½
	22-301.TI	255 / 10
	22-302.TI	265 / 10½



Ligature Carrier

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
D	22-0520	170 / 6¾
E	22-0521	170 / 6¾



Weber

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	
F	22-0246	260 / 10¼	curved left
	22-0248	260 / 10¼	curved right



Atraumatic Clamp

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
G	22-0310	265 / 10½

Titanium

Fig.	Art.-No.	Length mm / "
	22-310.TI	265 / 10½

↓ straight shanks

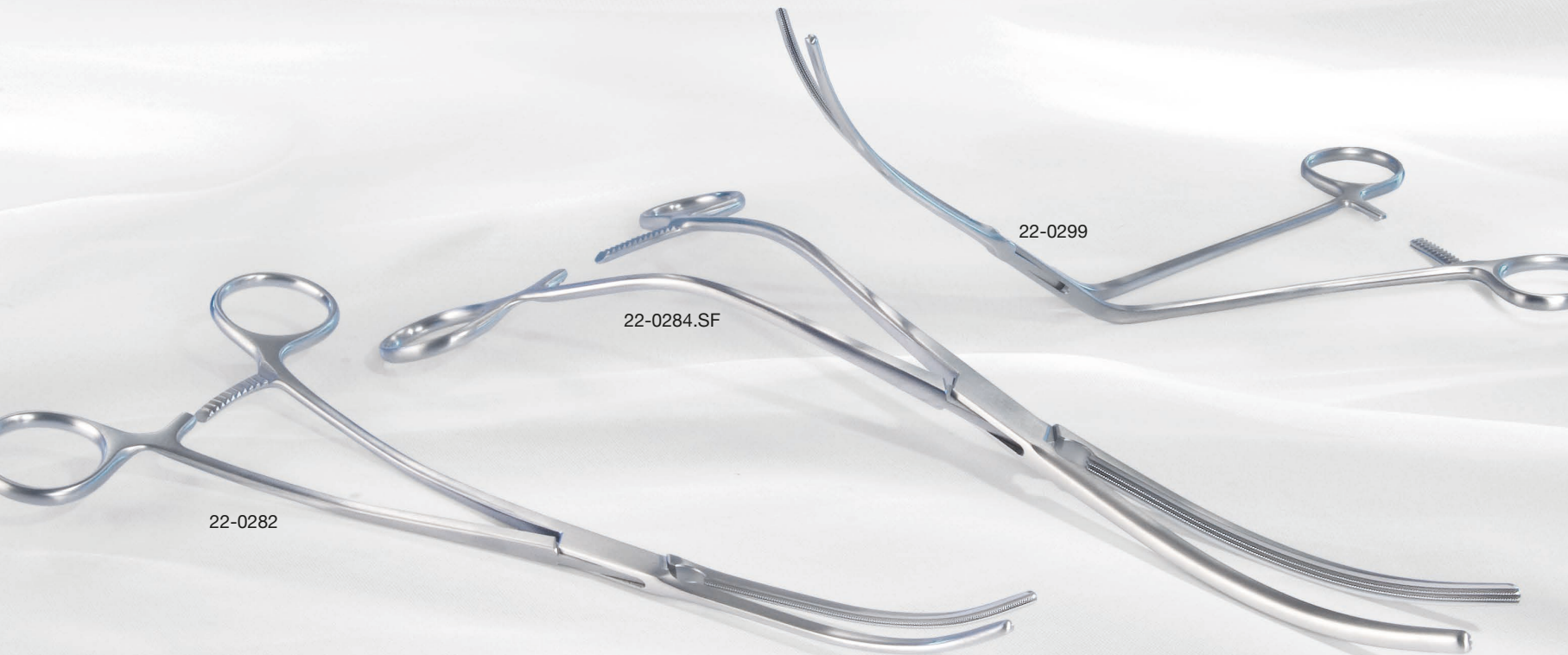
↷ ↶ curved shanks

↷ ↶ slightly angled shanks

↗ ↘ angled shanks

▨ graduated jaws

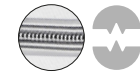
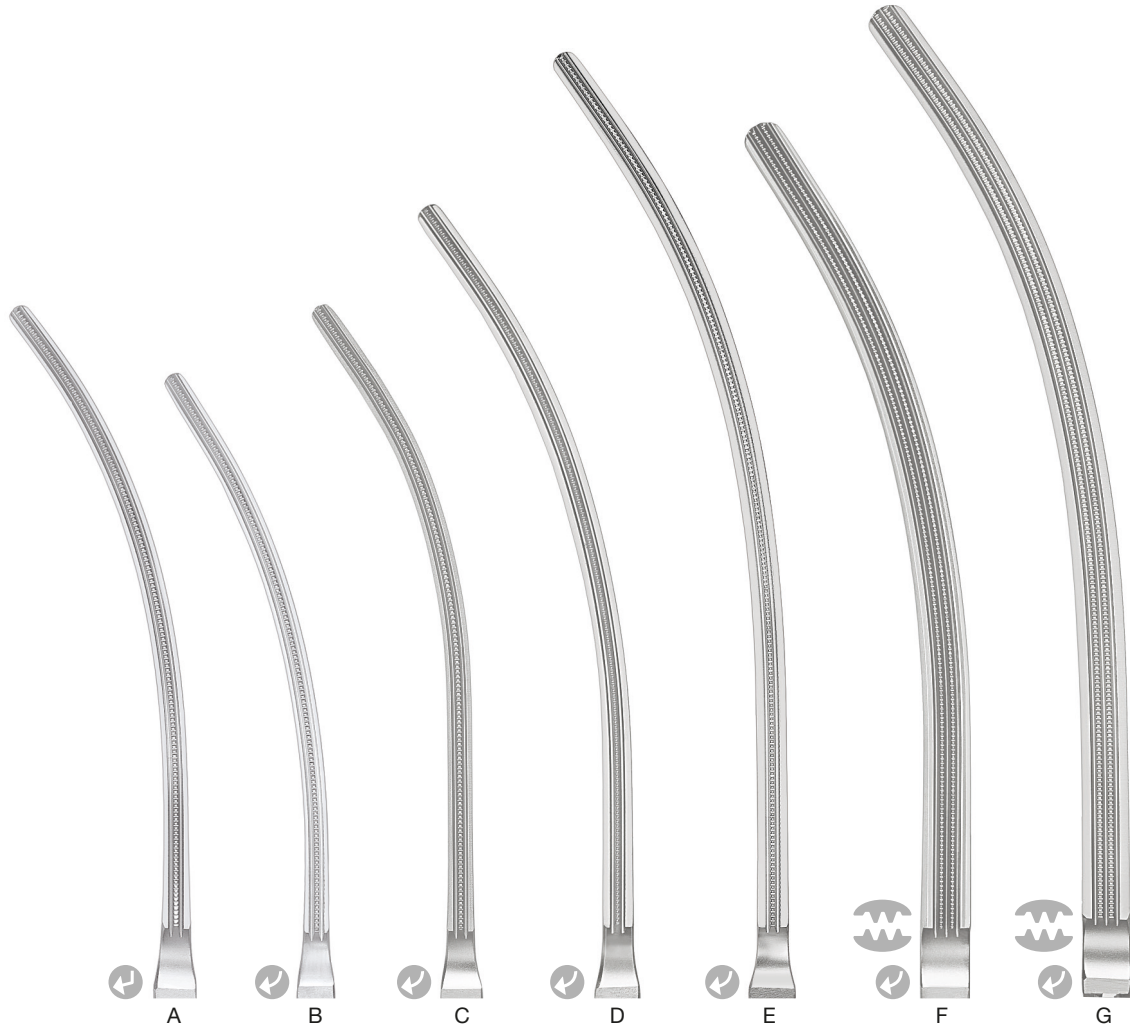
* bold = shown



22-0282

22-0284.SF

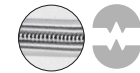
22-0299



Bahnsen

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0299	260 / 10¼



Atraumatic Clamps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	
B	22-0280	240 / 9½	
C	22-0282	270 / 10½	
	22-0282.SF	270 / 10½	
D	22-0285	300 / 11¾	
	22-0285.SF	310 / 12¼	
E	22-0287	325 / 12¾	
	22-0287.SF	320 / 12½	
F	22-0284	310 / 12¼	
	22-0284.SF	315 / 12½	
G	22-0286	325 / 12¾	
	22-0286.SF	330 / 13	

Titanium

Fig.	Art.-No.	Length mm / "
	22-0284.TI	300 / 11¾
	22-0286.TI	330 / 13

↓ straight shanks

↪ ↩ curved shanks

↙ ↘ slightly angled shanks

↗ ↖ angled shanks

graduated jaws

* bold = shown



Atraumatic Clamps



23-0381



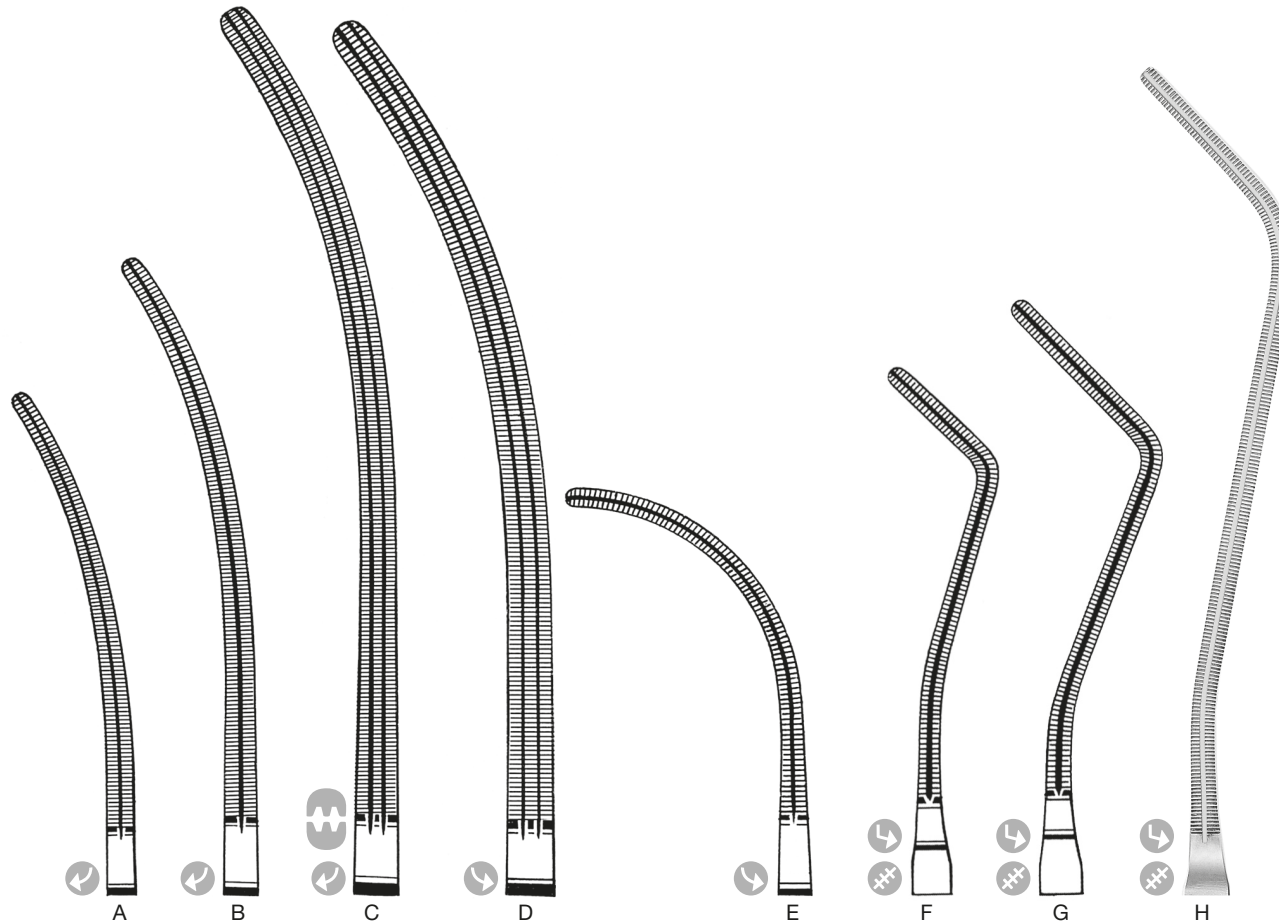
23-0423



23-0455



23-0694



Atraumatic Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
A	23-0435	190 / 7½
B	23-0423	270 / 10½
C	23-0427	330 / 13
D	23-0455	315 / 12½
E	23-0381	240 / 9½
F	23-0692	185 / 7¼
G	23-0694	195 / 7¾
H	23-0696	275 / 10¾

↓ straight shanks

↪ ↩ curved shanks

↪ ↩ slightly angled shanks

↪ ↩ angled shanks

⊘ graduated jaws

* bold = shown



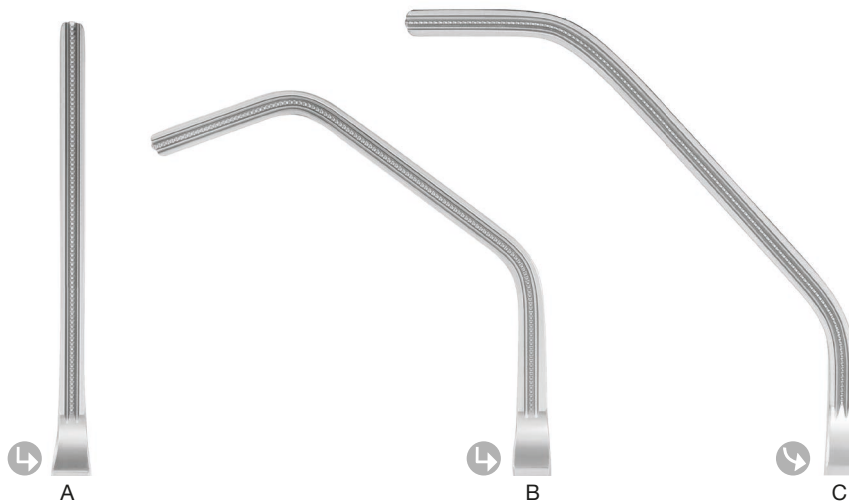
22-0375



22-1657



22-0311



Atraumatic Clamp

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	Length of Jaw mm
A	22-0311	165 / 6½	60

90° angled up



Liver Transplant Clamp

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
B	22-0375	255 / 10



Swan

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	Length of Jaw mm
C	22-1657	230 / 9	70

↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* **bold** = shown



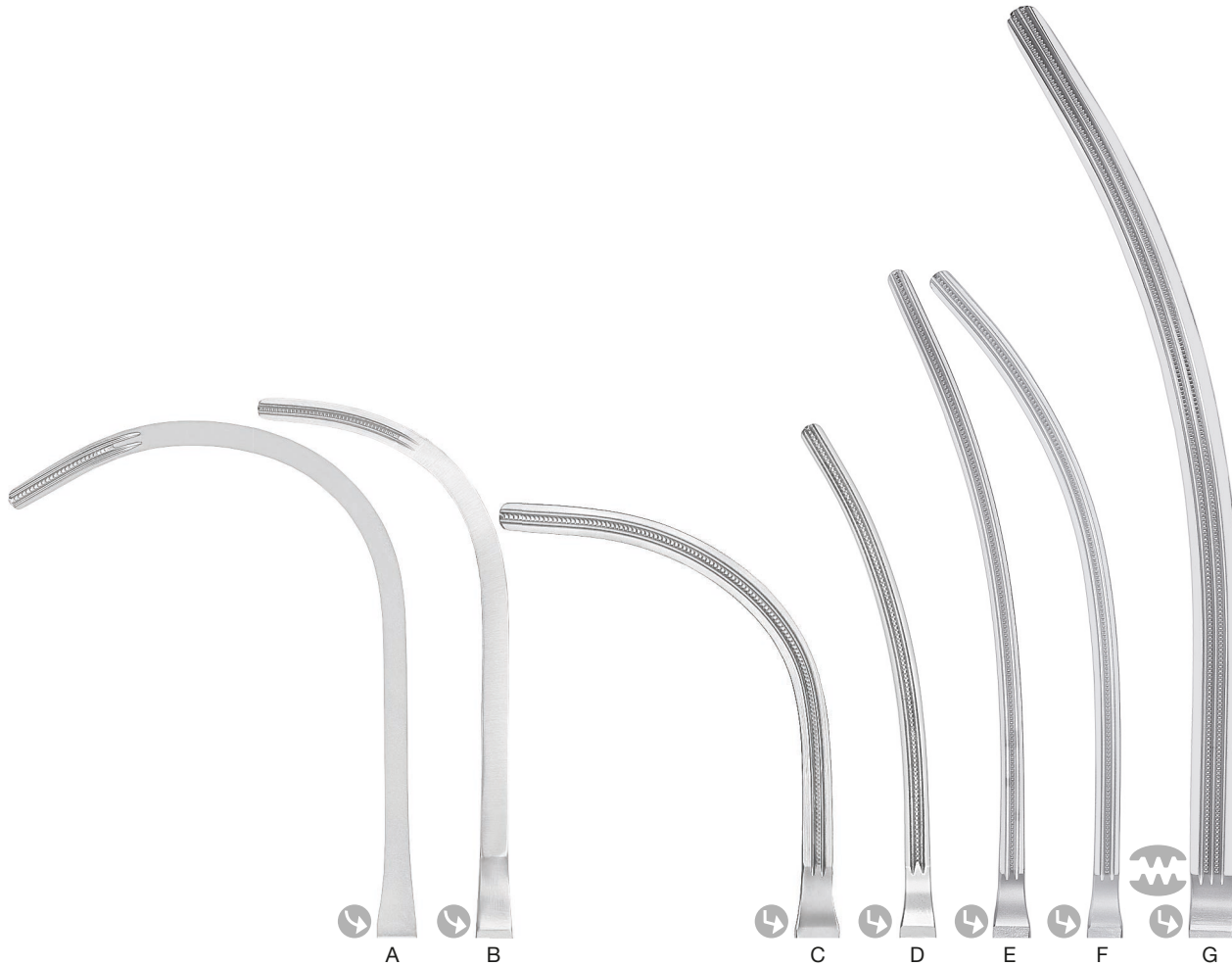
Atraumatic Clamps



22-0660

22-0315

22-0440



Semb Ligature Carriers

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0315	270 / 10½
B	22-0316	250 / 10



Wylie

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
C	22-0661	260 / 10¼
D	22-0660	240 / 9½



Zanger

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
E	22-0440	215 / 8½
F	22-0441	250 / 10
G	22-0442	305 / 12

↓ straight shanks

↷ ↶ curved shanks

↷ ↶ slightly angled shanks

↷ ↶ angled shanks

⊗ graduated jaws

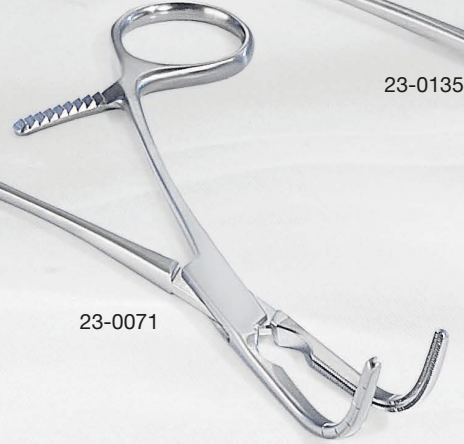
* bold = shown



Atraumatic Clamps



23-0071



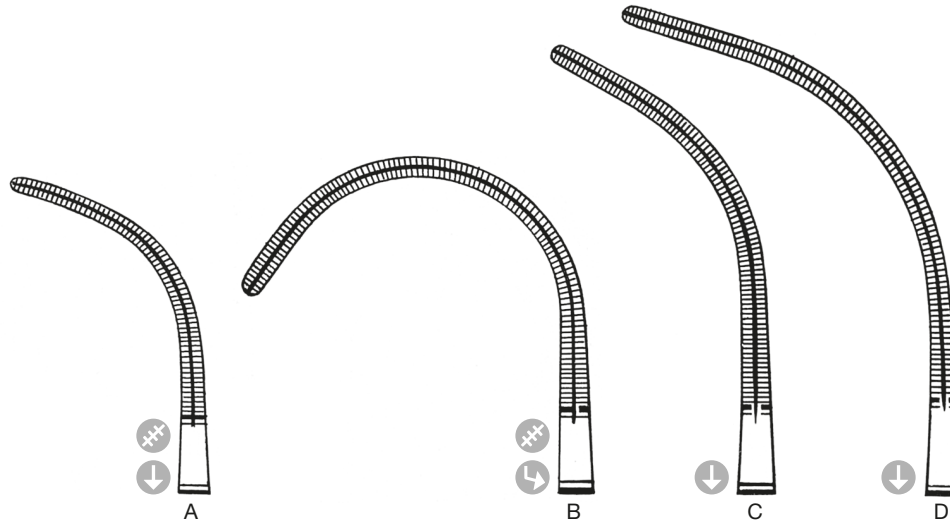
23-0135



23-0681



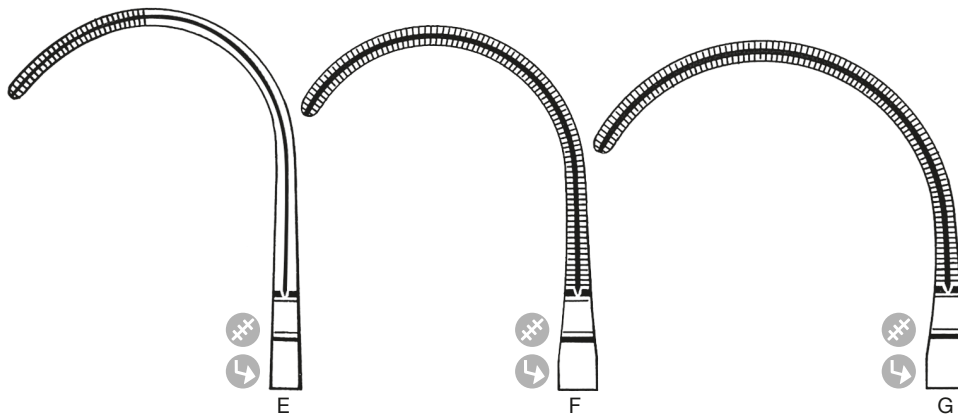
23-0113



Peripheral Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
A	23-0071	160 / 6¼
B	23-0113	200 / 8
C	23-0133	215 / 8½
D	23-0135	245 / 9¾



Ligature Carriers

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
E	23-0680	170 / 6¾
F	23-0681	170 / 6¾
G	23-0682	170 / 6¾

↓ straight shanks

↷ ↶ curved shanks

↷ ↶ slightly angled shanks

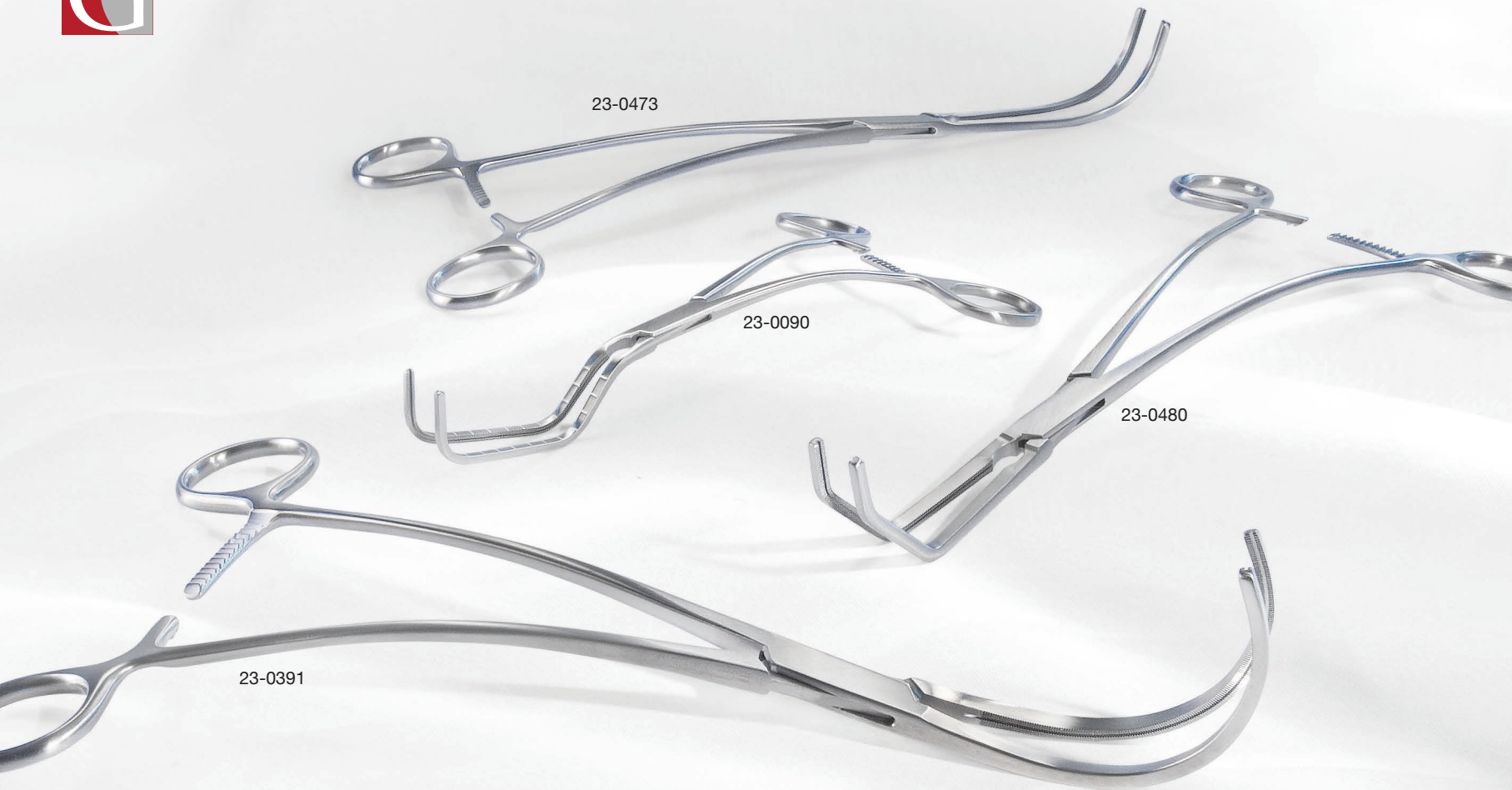
↷ ↶ angled shanks

⊙ graduated jaws

* bold = shown



Atraumatic Clamps

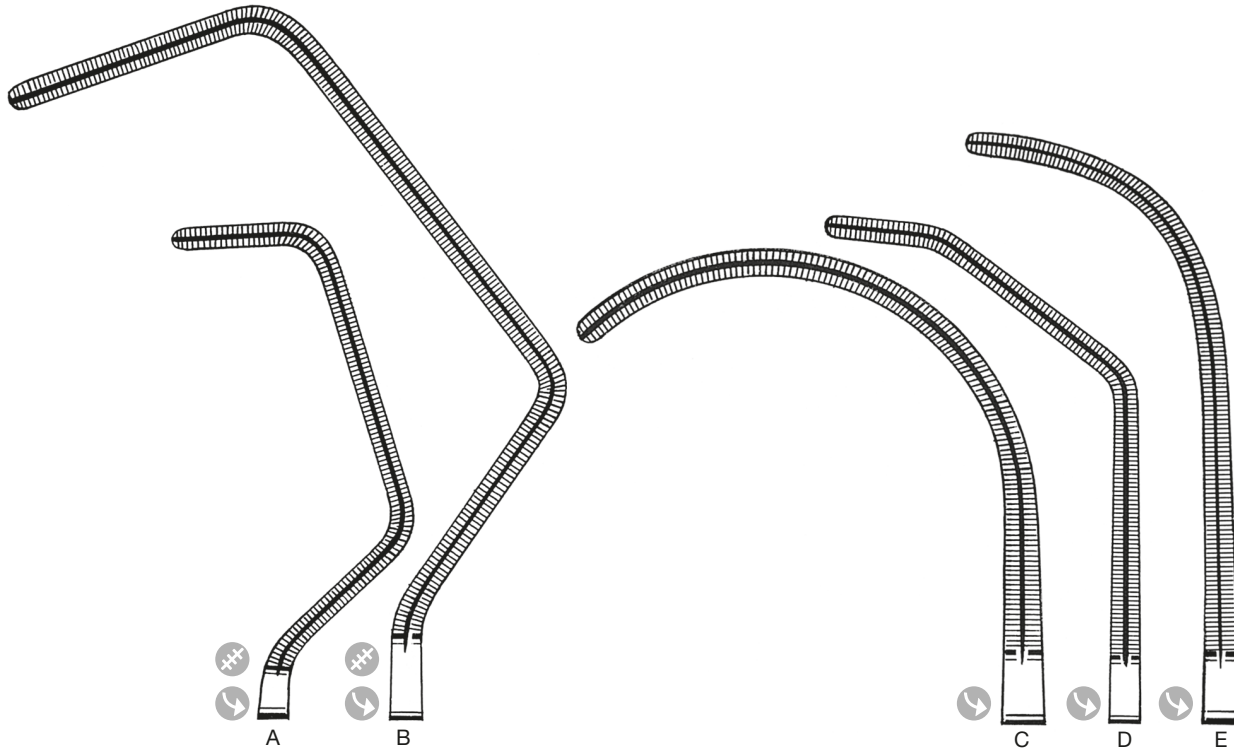


23-0473

23-0090

23-0480

23-0391



Parry

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
A	23-0090	180 / 7
B	23-0092	260 / 10¼



Atraumatic Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
C	23-0391	275 / 10¾
D	23-0480	260 / 10¼
E	23-0473	270 / 10½

↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps



22-0598



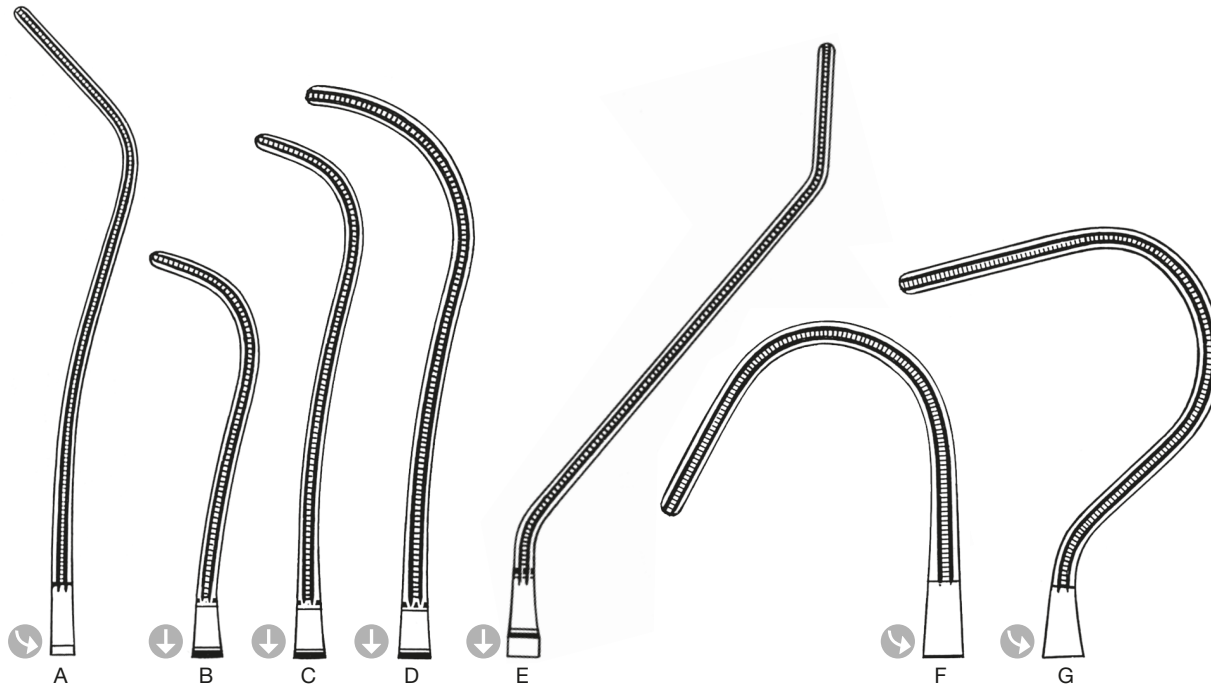
22-0384



22-0549



22-0640



Dissecting and Ligature Forceps

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0640	200 / 8
B	22-0550	205 / 8
C	22-0549	190 / 7½
	22-0552	215 / 8½
D	22-0551	230 / 9

Titanium

Fig.	Art.-No.	Length mm / "
	22-0550.TI	205 / 8
	22-0552.TI	215 / 8½

Henly

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
E	22-0598	200 / 8

Wylie

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
F	22-0384	200 / 8
G	22-0386	220 / 8¾

↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps



22-0680

22-1651

22-0275

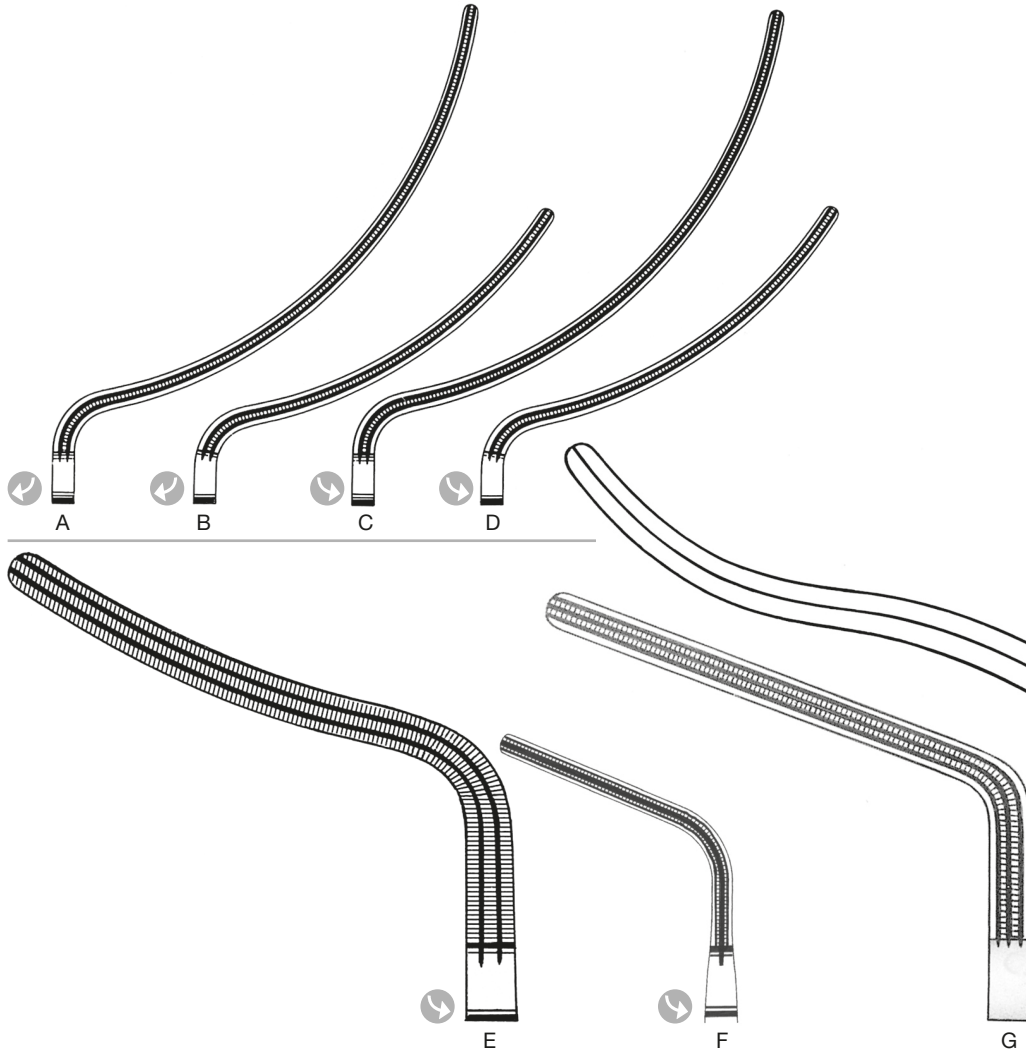
22-0320

23-0699

22-0687

Atraumatic Clamps

GEISTER®



↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

▒ graduated jaws

* bold = shown



Wylie

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	22-0687	200 / 8
B	22-0685	170 / 6¾
C	22-0682	190 / 7½
D	22-0680	160 / 6¼



Atraumatic Clamp

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
E	23-0699	270 / 10½



Mod. Subramanian

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	
F	22-0275	160 / 6¼	jaw angled 135°



Atraumatic Clamp

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	
G	22-0320	270 / 10½	↻

Titanium

Fig.	Art.-No.	Length mm / "
	22-0320.TI	270 / 10½



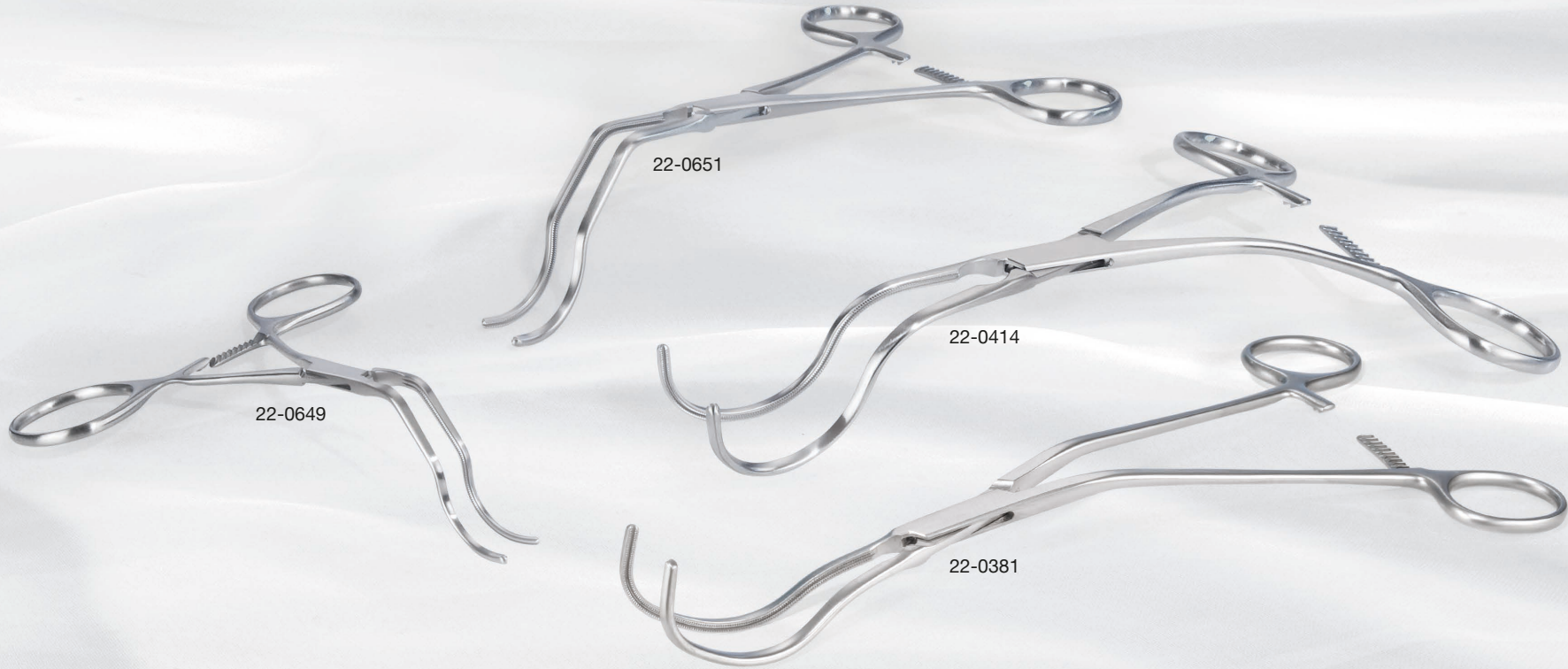
Grant

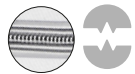
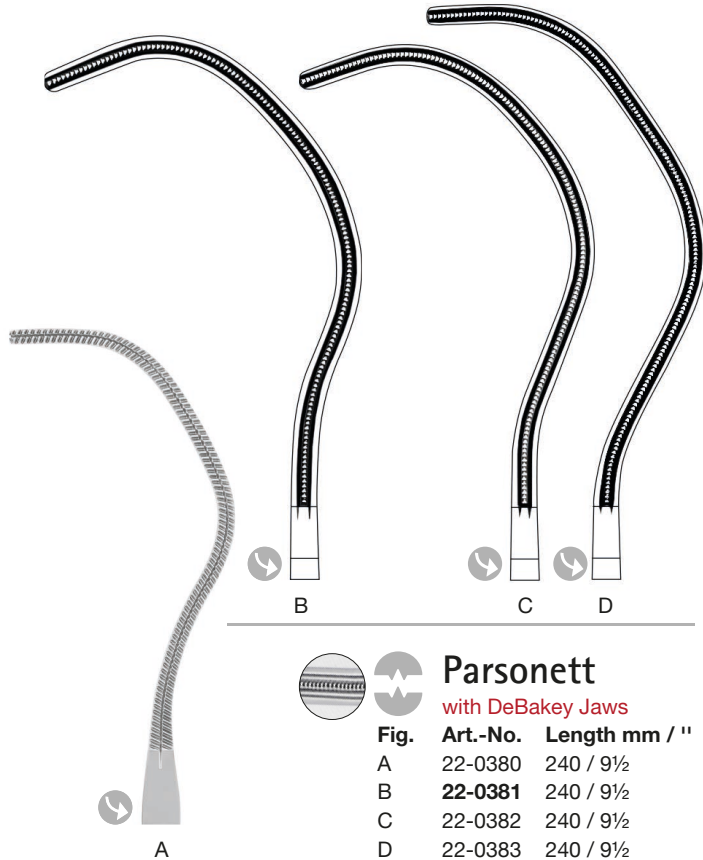
with DeBakey Jaws

Fig.	Art.-No.	Length mm / "	
G	22-1651	245 / 9¾	↻



Atraumatic Clamps

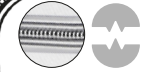
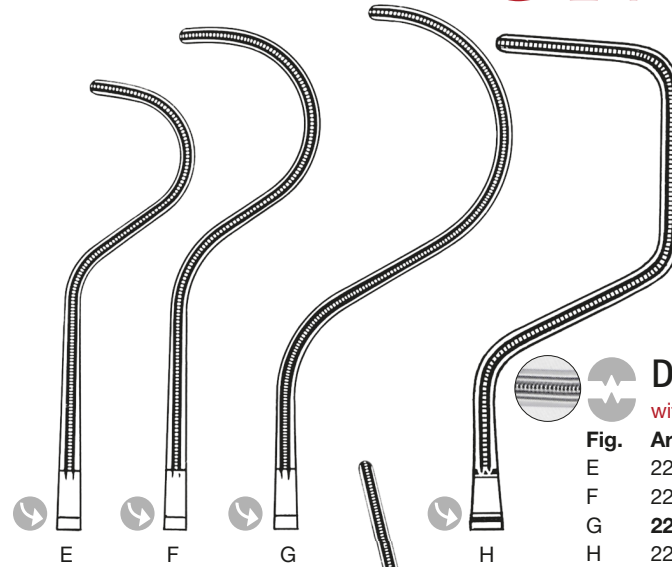




Parsonett

with DeBakey Jaws

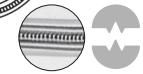
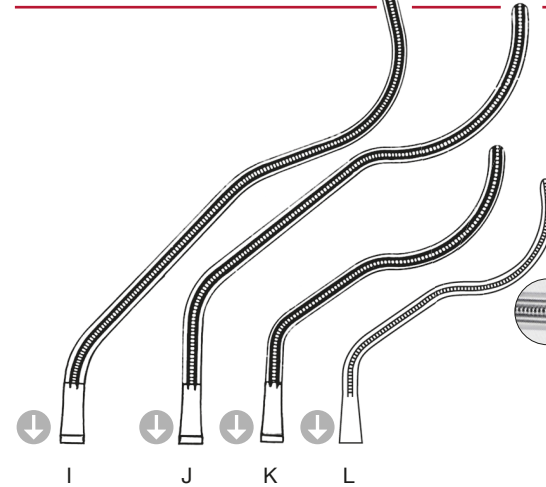
Fig.	Art.-No.	Length mm / "
A	22-0380	240 / 9½
B	22-0381	240 / 9½
C	22-0382	240 / 9½
D	22-0383	240 / 9½



Dale

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
E	22-0412	170 / 6¾
F	22-0413	175 / 7
G	22-0414	185 / 7¼
H	22-0410	185 / 7¼



Gregory

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
I	22-0652	195 / 7¾
J	22-0651	180 / 7
K	22-0650	155 / 6
L	22-0649	125 / 5

↓ straight shanks

↪ ↩ curved shanks

↙ ↘ slightly angled shanks

↖ ↗ angled shanks

⊗ graduated jaws

* bold = shown



Atraumatic Clamps





Occlusion Clamps

with Cooley Jaws

Fig.	Art.-No.	Length mm / "	Charr. / Fr.
A	23-0620	155 / 6	20
	23-0624	165 / 6½	24
	23-0626	195 / 7¾	26
	23-0628	195 / 7¾	28
	23-0630	195 / 7¾	30
	23-0632	195 / 7¾	32
	23-0634	195 / 7¾	34
	23-0636	195 / 7¾	36
	23-0638	195 / 7¾	38
	23-0640	195 / 7¾	40

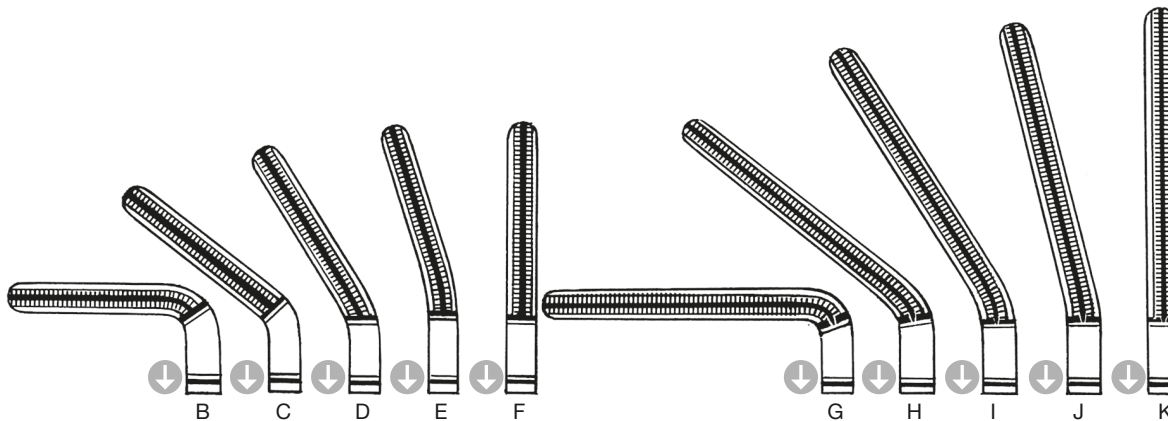


Multi-Purpose Clamps

with Dardik-Jaws

Fig.	Art.-No.	Length mm / "	Angle	Weight g
B	22-2614	135 / 5¼	90°	28
C	22-2613	145 / 5¾	45°	28
D	22-2612	145 / 5¾	30°	28
E	22-2611	150 / 6	15°	28
F	22-2610	150 / 6	0°	28
G	22-2624	130 / 5	90°	28
H	22-2623	155 / 6	45°	28
I	22-2622	165 / 6½	30°	28
J	22-2621	170 / 6¾	15°	28
K	22-2620	170 / 6¾	0°	28

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



↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* **bold** = shown



Liver Transplant Clamps

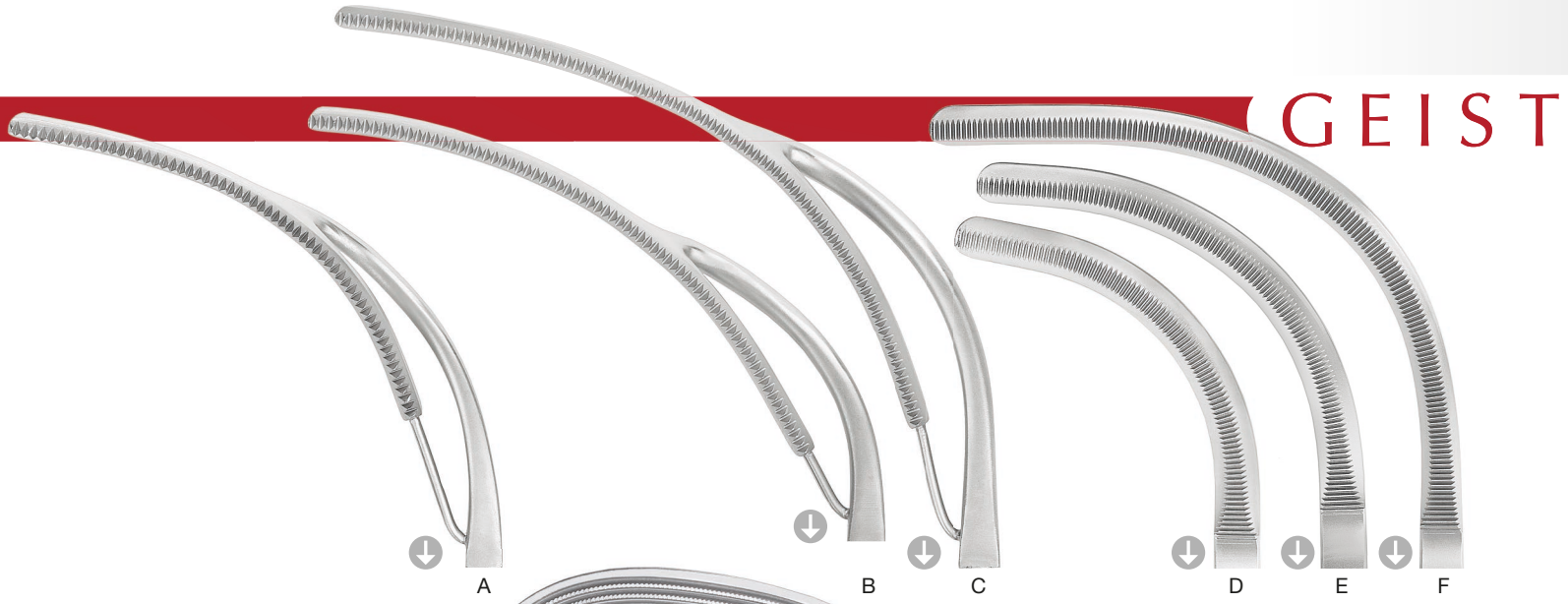
22-0325

22-1812

22-1827



GEISTER®

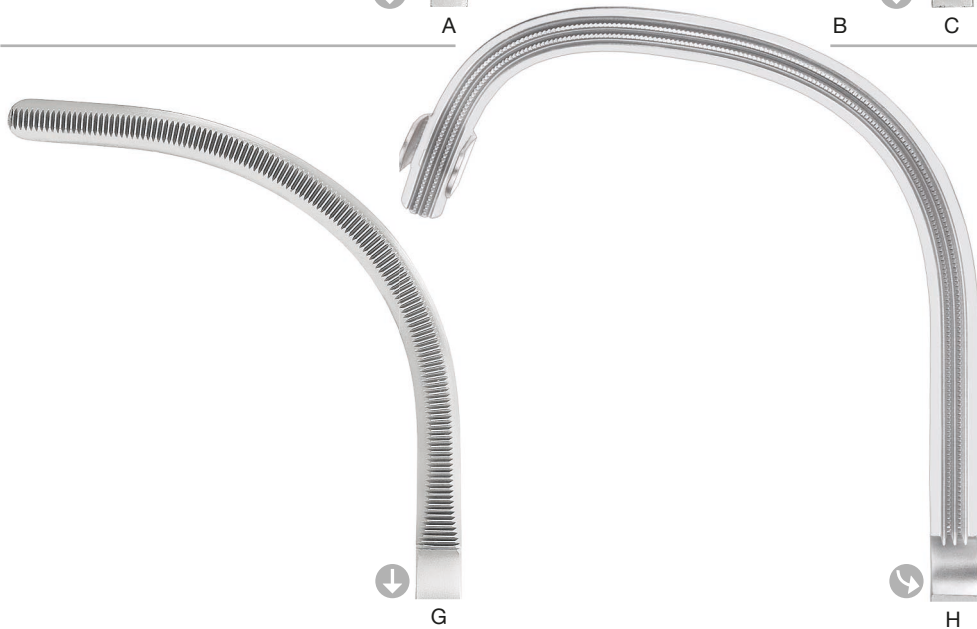


Klintmalm

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
A	22-1811	180 / 7	65
B	22-1812	210 / 8¼	80
C	22-1813	250 / 10	95

Potts/Pittsburg (German Clamps)

Fig.	Art.-No.	Length mm / "	Length of Jaws mm
D	22-1826	250 / 10	55
E	22-1827	260 / 10¼	60
F	22-1829	270 / 10½	70
G	22-1828	270 / 10½	70



Calne

with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "	
H	22-0325	280 / 11	fixed guard
	22-0326	280 / 11	movable guard lock

↓ straight shanks

↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated jaws

* **bold** = shown



Clamps for Inserts

GEISTER®



25-5030

Clamps for Inserts

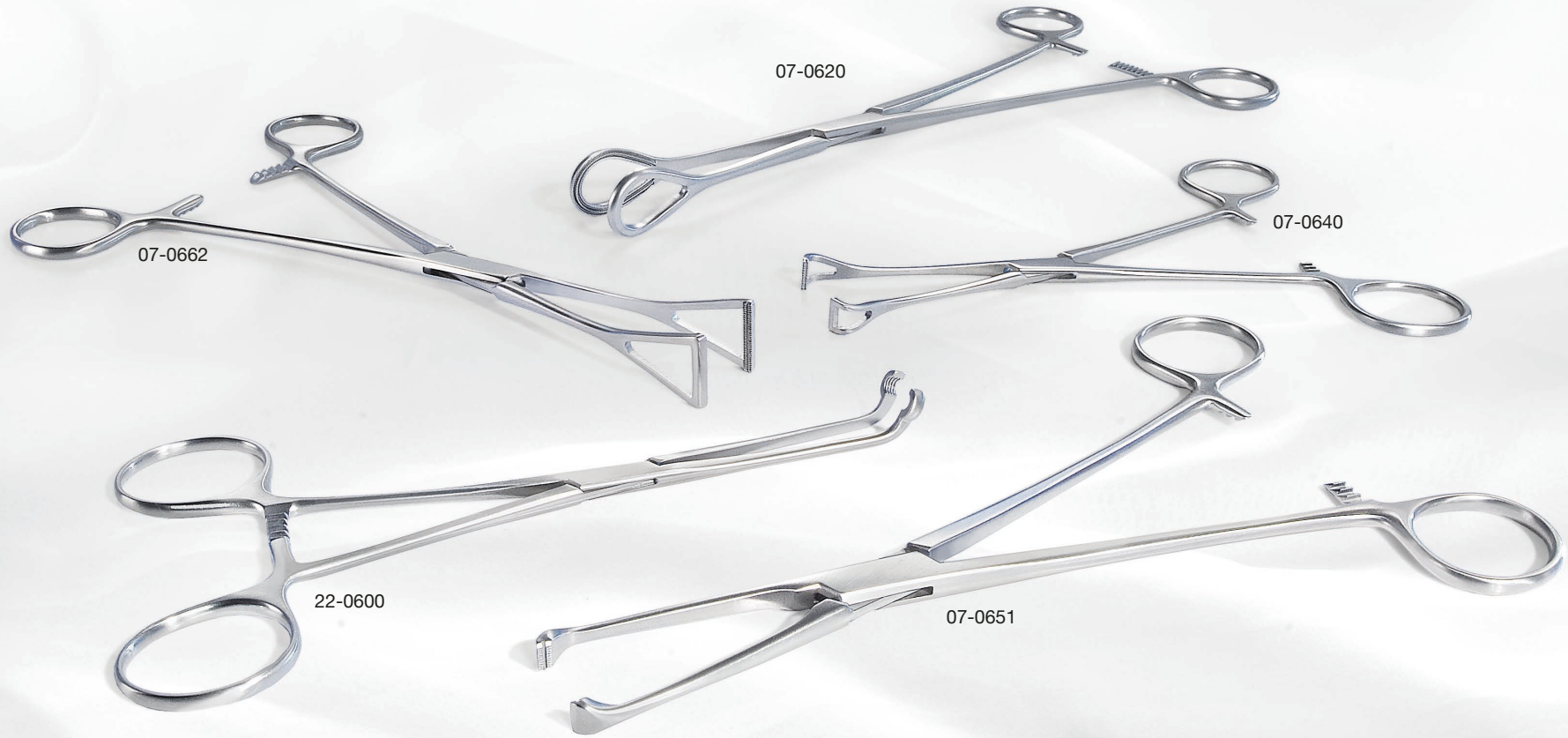
Art.-No.	Length mm / "	Length of Jaws mm
25-5020	170 / 6¾	33
25-5030	290 / 11½	61
25-5055	300 / 11¾	86
25-5025	160 / 6¼	33
25-5040	260 / 10¼	61
25-5045	260 / 10¼	61
25-5050	290 / 11½	86



Jaw inserts, disposable

Art.-No.	10 pairs / pack sterile
25-5072	33 mm Hydra / Traction
25-5074	61 mm Hydra / Traction
25-5076	86 mm Hydra / Traction

* bold = shown



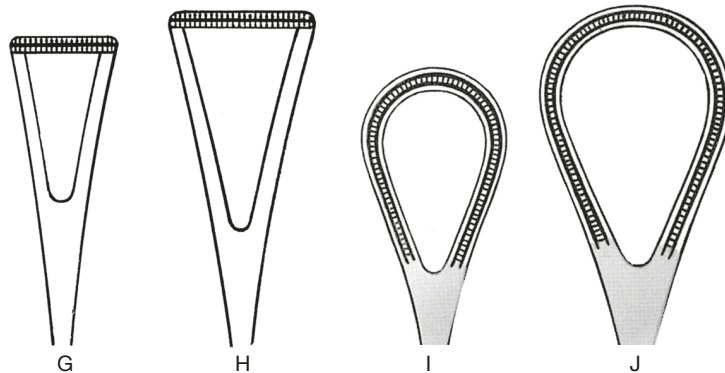
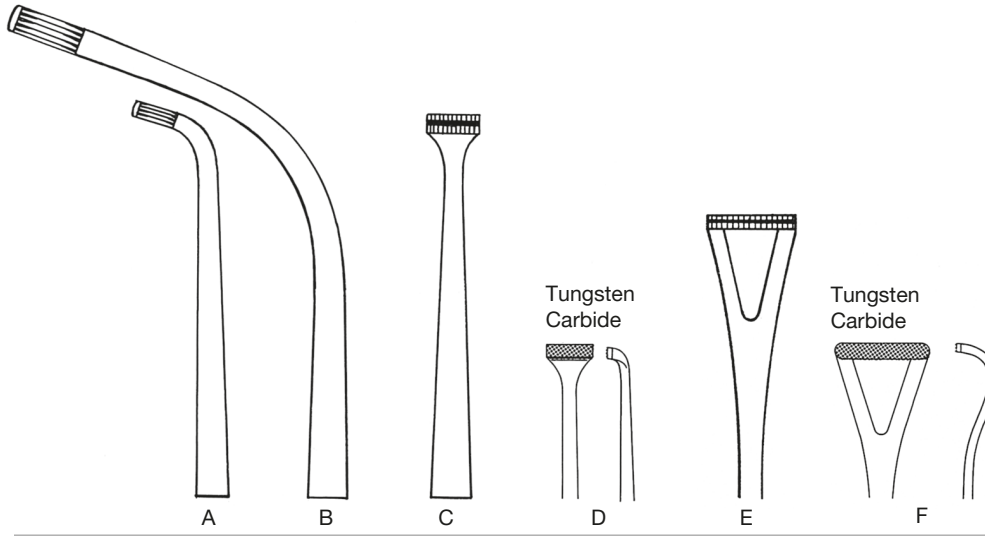
07-0662

07-0620

07-0640

22-0600

07-0651



Allis

with TC-Inserts

Fig.	Art.-No.	Length mm / "
D	07-0830	150 / 6
	07-0831	190 / 7½

Babcock

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
E	07-0640	160 / 6¼
	07-0641	210 / 8¼

Babcock

with TC-Inserts

Fig.	Art.-No.	Length mm / "
F	07-0860	160 / 6¼
	07-0802	200 / 8

Javid

Fig.	Art.-No.	Length mm / "
A	22-0600	160 / 6¼
B	22-0601	190 / 7½

Allis

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
C	07-0650	155 / 6
	07-0651	200 / 8
	07-0652	220 / 8¾
	07-0653	250 / 10
	07-0654	300 / 11¾

Duval

with Cooley Jaws

Fig.	Art.-No.	Length mm / "
G	07-0660	205 / 8
H	07-0662	205 / 8

Grasping Forceps

with DeBakey Jaws

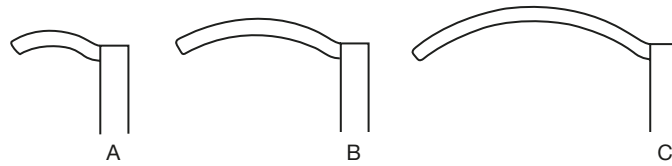
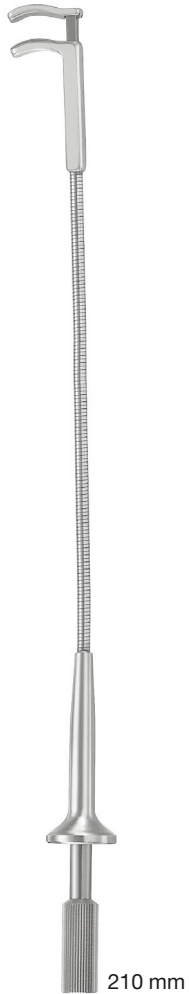
Fig.	Art.-No.	Length mm / "
I	07-0620	240 / 9½
J	07-0622	260 / 10¼

* bold = shown



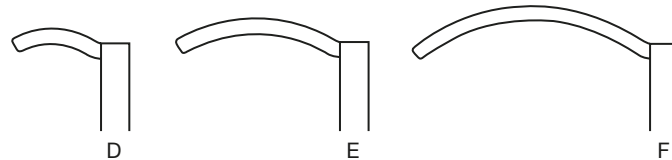
03-6001

closing pressure adjustable



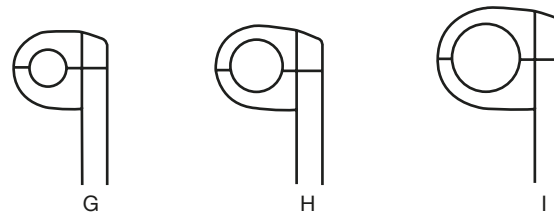
Semi-flexible Clamps

Fig.	Art.-No.	Length of Jaws mm / "	
A	03-6001	12 / ½	atraumatic
	03-6011	12 / ½	smooth
B	03-6003	20 / ¾	atraumatic
	03-6013	20 / ¾	smooth
C	03-6005	30 / 1¼	atraumatic
	03-6015	30 / 1¼	smooth



All-flexible Clamps

Fig.	Art.-No.	Length of Jaws mm / "	
D	03-6021	12 / ½	atraumatic
	03-6031	12 / ½	smooth
E	03-6023	20 / ¾	atraumatic
	03-6033	20 / ¾	smooth
F	03-6025	30 / 1¼	atraumatic
	03-6035	30 / 1¼	smooth

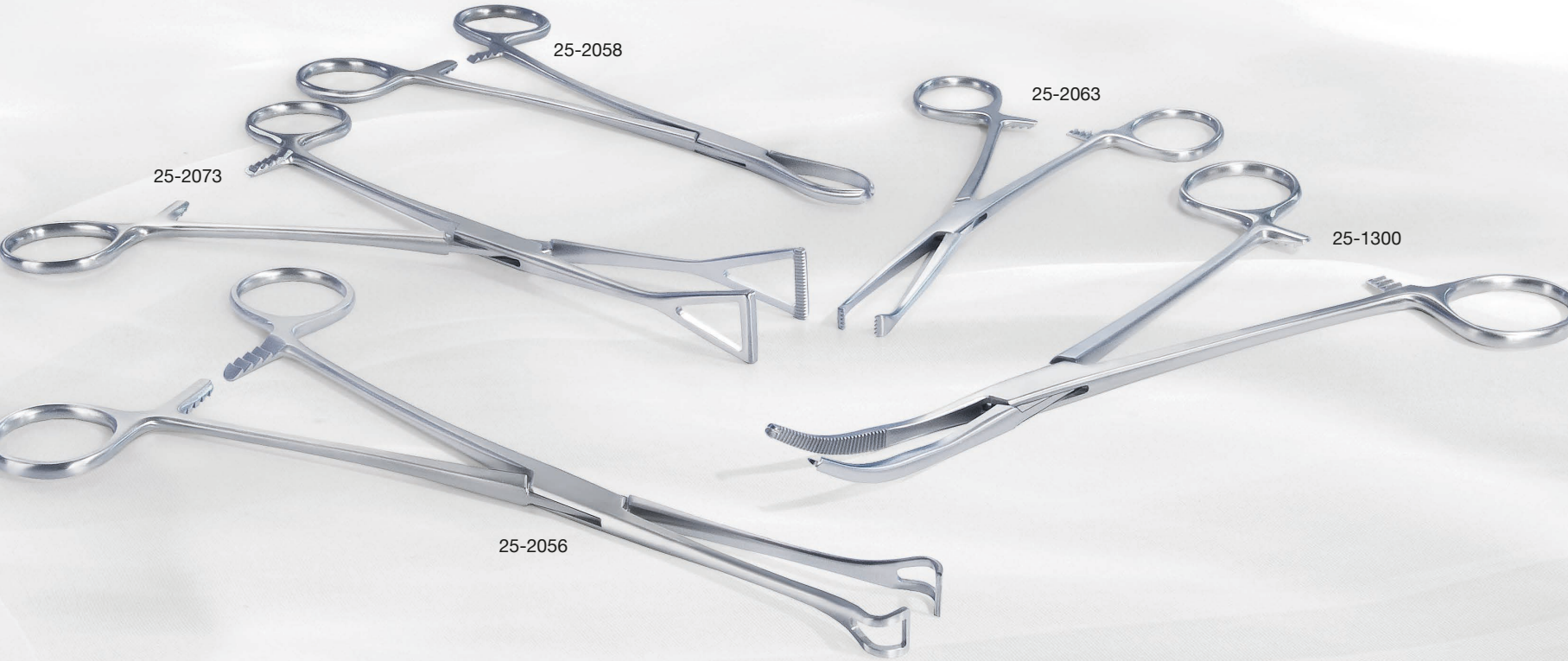


Semi-flexible Clamps

Fig.	Art.-No.	Ø mm
G	03-6041	5
H	03-6043	7
I	03-6045	9



Tissue Seizing Forceps



25-2058

25-2073

25-2056

25-2063

25-1300

Babcock

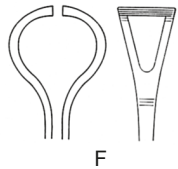


Fig.	Art.-No.	Length mm / "
F	25-2050	145 / 5¾
	25-2052	160 / 6¼
	25-2054	180 / 7
	25-2056	210 / 8¼
	25-2057	240 / 9½



Fig.	Art.-No.	Length mm / "	Jaw
H	25-2058	190 / 7½	2 x 3 teeth

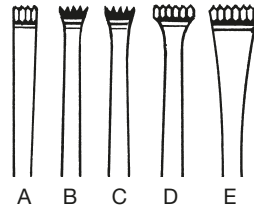
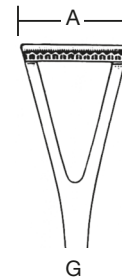


Fig.	Art.-No.	Length mm / "	Jaw	
A	25-2059	155 / 6	3 x 4 teeth	Judd-Allis
	25-2060	190 / 7½	3 x 4 teeth	Judd-Allis
B	25-2061	140 / 5½	4 x 5 teeth	Baby-Allis
C	25-2062	155 / 6	4 x 5 teeth	Allis
D	25-2063	155 / 6	5 x 6 teeth	Allis
	25-2064	190 / 7½	5 x 6 teeth	Allis
	25-2065	230 / 9	5 x 6 teeth	Allis
E	25-2070	200 / 8	6 x 7 teeth	Thoms-Allis



Duval

Fig.	Art.-No.	Length mm / "	Length of Jaws (A) mm
G	25-2071	200 / 8	14
	25-2073	200 / 8	18
	25-2075	200 / 8	28
	25-2072	230 / 9	14
	25-2074	230 / 9	18
	25-2076	230 / 9	28



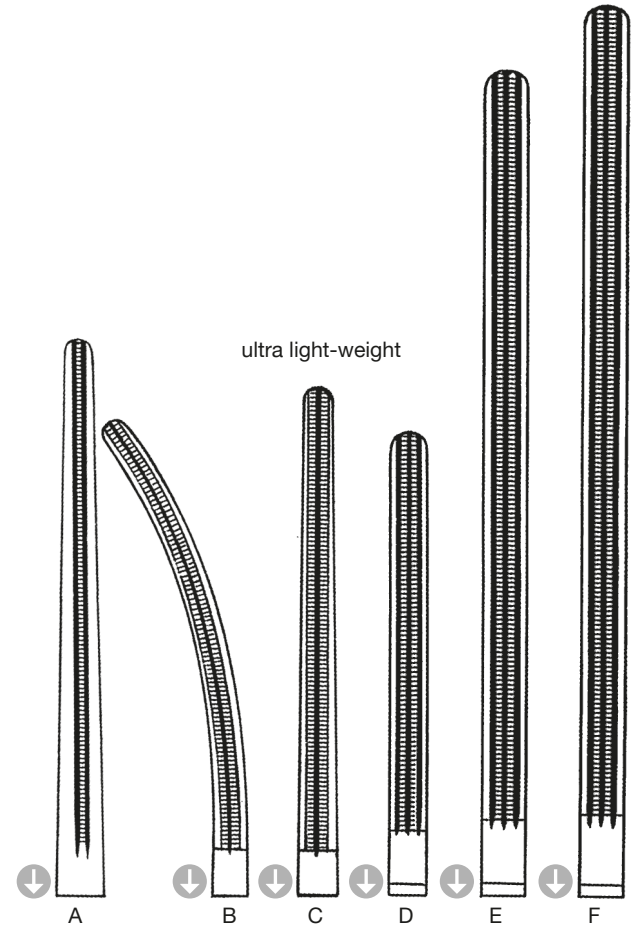
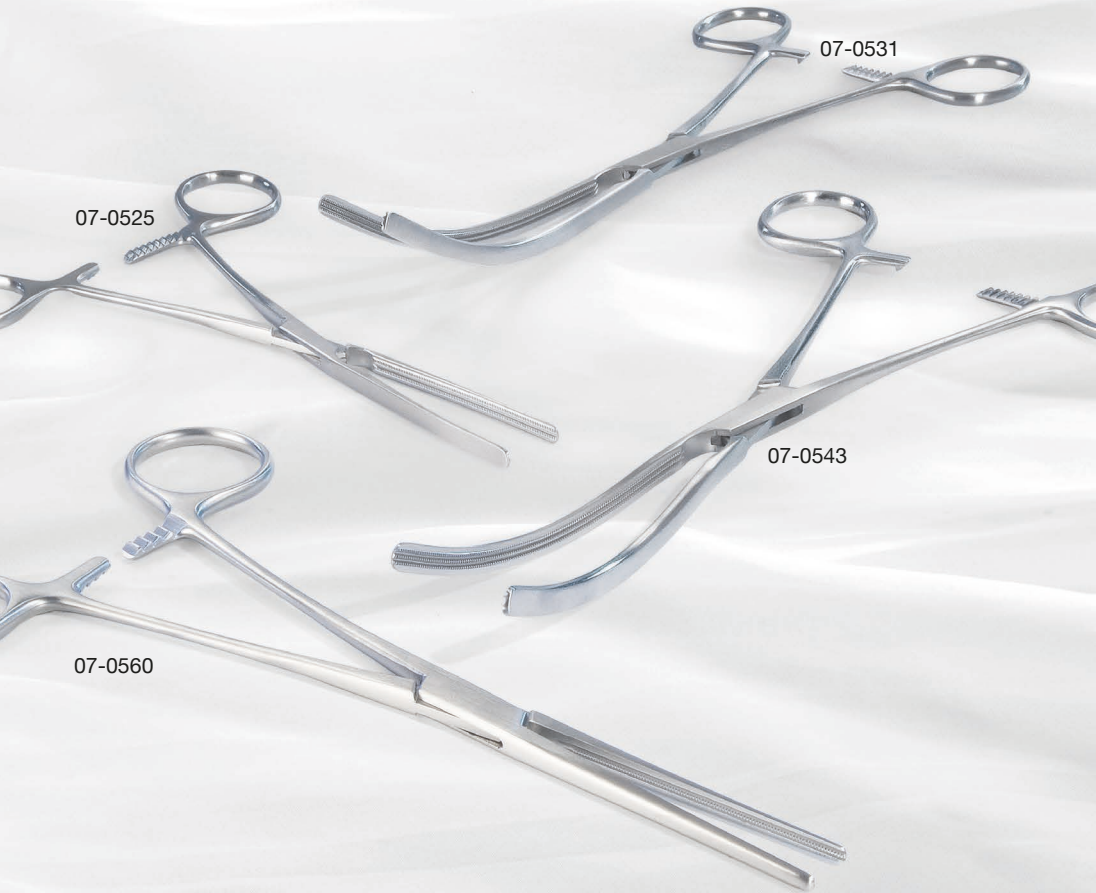
Mikulicz

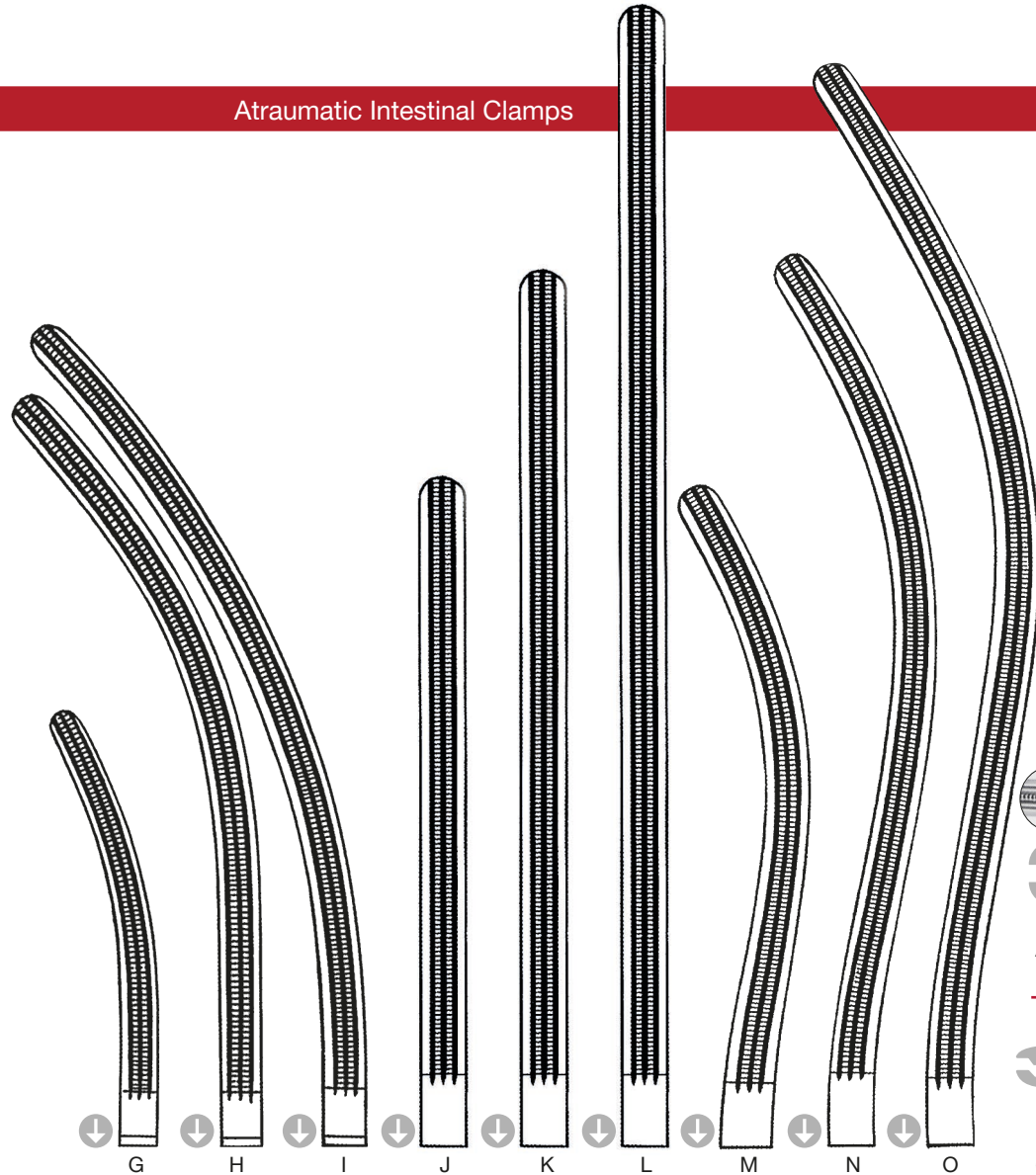
Fig.	Art.-No.	Length mm / "	Jaw
I	25-1299	140 / 5½	1 x 2 teeth
J	25-1300	215 / 8½	1 x 2 teeth
K	25-1301	205 / 8	1 x 2 teeth

* bold = shown



Atraumatic Intestinal Clamps





G



H



I



J



K



L



M



N



O



Allen

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	07-0560	205 / 8
	07-0562	230 / 9



Dardik

with Dardik Jaws

Fig.	Art.-No.	Length mm / "
B	07-0526	175 / 7
C	07-0525	175 / 7



Doyen

with Dardik Jaws

Fig.	Art.-No.	Length mm / "
E	07-0530	240 / 9½
H	07-0531	230 / 9



Baby-Doyen

with Dardik Jaws

Fig.	Art.-No.	Length mm / "
D	07-0520	175 / 7
G	07-0521	175 / 7



Mayo-Robson

with Dardik Jaws

Fig.	Art.-No.	Length mm / "
F	07-0535	250 / 10
I	07-0536	245 / 9¾



Kocher

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
J	07-0540	220 / 8¾
K	07-0541	250 / 10
L	07-0542	280 / 11
M	07-0543	220 / 8¾
N	07-0544	250 / 10
O	07-0545	275 / 10¾

↓ straight shanks

↷ ↶ curved shanks

↙ ↘ slightly angled shanks

↗ ↖ angled shanks

⊘ graduated jaws

* bold = shown



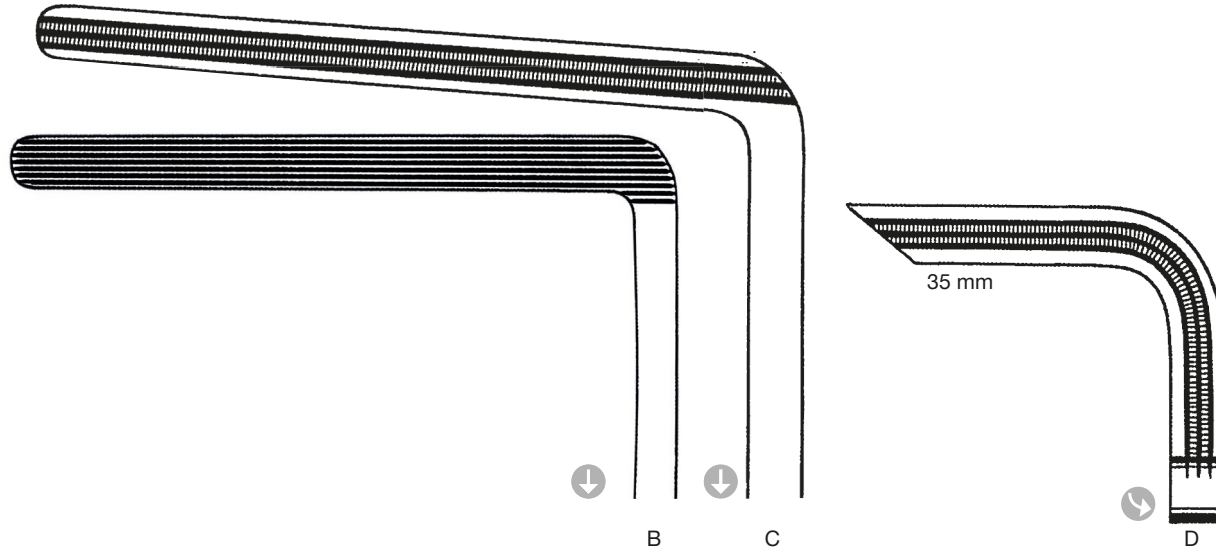
Intestinal Clamps



Kersting

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
A	07-0580	310 / 12¼



Fehland

Fig.	Art.-No.	Length mm / "
B	07-0574	240 / 9½



Resano

with DeBakey Jaws

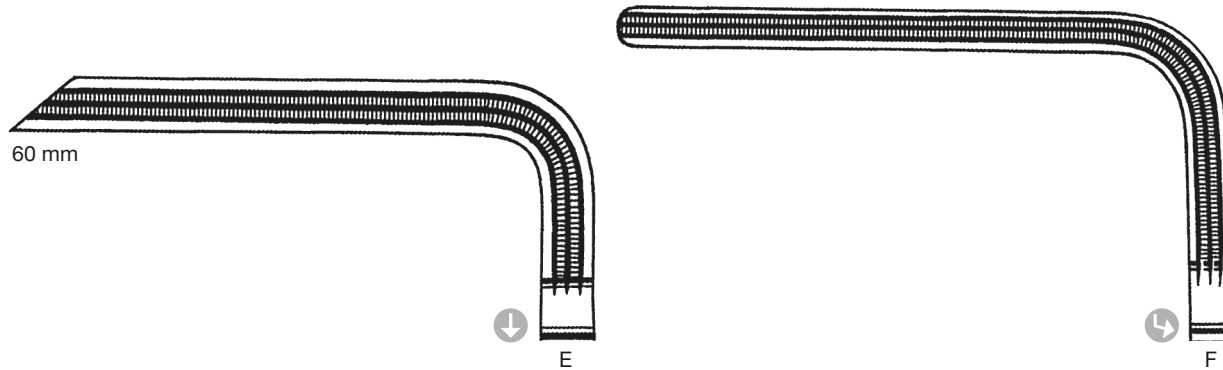
Fig.	Art.-No.	Length mm / "
C	07-0575	300 / 11¾



Foss-Colon

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
D	07-0586	245 / 9¾
E	07-0587	250 / 10



Foss

with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
F	07-0585	265 / 10½

↓ straight shanks

↷ ↶ curved shanks

↷ ↶ slightly angled shanks

↷ ↶ angled shanks

⊗ graduated jaws

* bold = shown

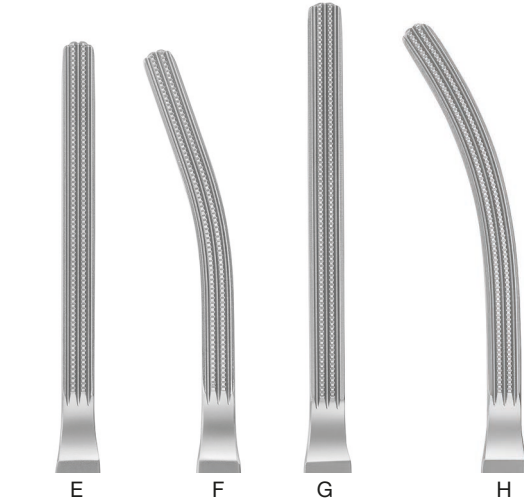
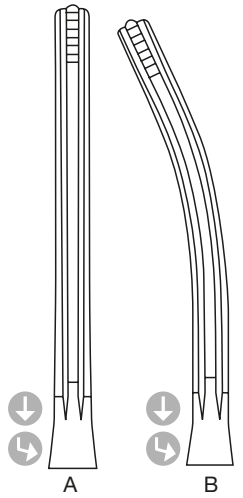


Well-balanced and with a sturdy, atraumatic longitudinal groove (Z-type serration) that guarantees a secure grip of tissue and prevents slippage. Available in four lengths and jaw configurations with straight or angled shanks.

Hysterecctomy Forceps

with Z-type Serrations

Fig.	Art.-No.	Length mm / "	
A	08-0500	210 / 8¼	straight shanks
	08-0510	240 / 9½	straight shanks
	08-0515	240 / 9½	angled shanks
	08-0530	305 / 12	straight shanks
	08-0535	305 / 12	angled shanks
	08-0540	355 / 14	straight shanks
B	08-0501	210 / 8¼	straight shanks
	08-0511	240 / 9½	straight shanks
	08-0516	240 / 9½	angled shanks
	08-0531	305 / 12	straight shanks
	08-0536	305 / 12	angled shanks
	08-0541	355 / 14	straight shanks
C	08-0502	210 / 8¼	straight shanks
	08-0512	240 / 9½	straight shanks
	08-0517	240 / 9½	angled shanks
	08-0532	305 / 12	straight shanks
	08-0537	305 / 12	angled shanks
	08-0542	355 / 14	straight shanks
D	08-0503	210 / 8¼	straight shanks
	08-0513	240 / 9½	straight shanks
	08-0518	240 / 9½	angled shanks
	08-0533	305 / 12	straight shanks
	08-0538	305 / 12	angled shanks
	08-0543	355 / 14	straight shanks

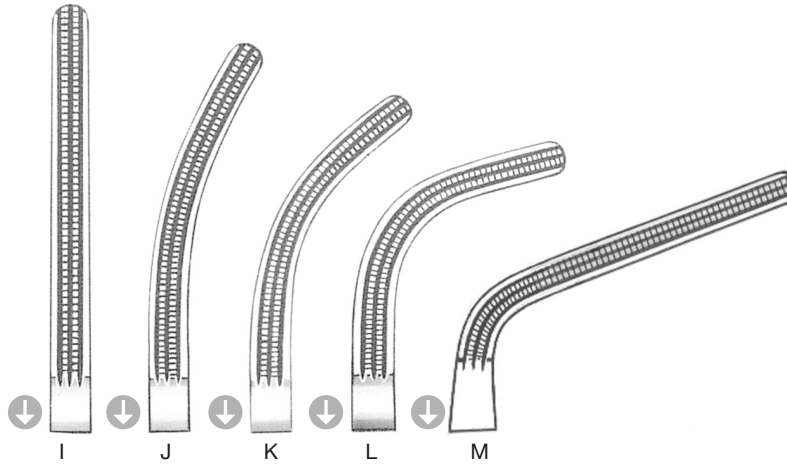
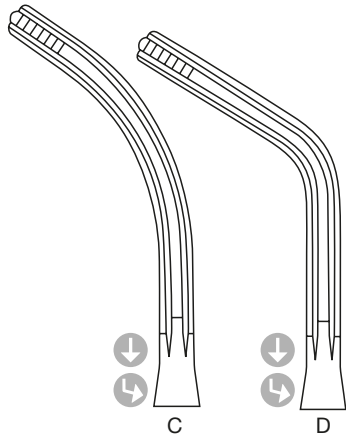


Masterson



Hysterectomy Forceps,
with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "
E	08-0270	210 / 8¼
F	08-0271	210 / 8¼
G	08-0280	270 / 10½
H	08-0281	270 / 10½



Parametrium Forceps



with DeBaKey Jaws

Fig.	Art.-No.	Length mm / "
I	08-0170	220 / 8¾
	08-0175	250 / 10
J	08-0171	220 / 8¾
	08-0176	250 / 10
K	08-0172	215 / 8½
	08-0177	240 / 9½
L	08-0173	210 / 8¼
	08-0178	235 / 9¼
M	08-0174	195 / 7¾
	08-0179	220 / 8¾

↓ straight shanks

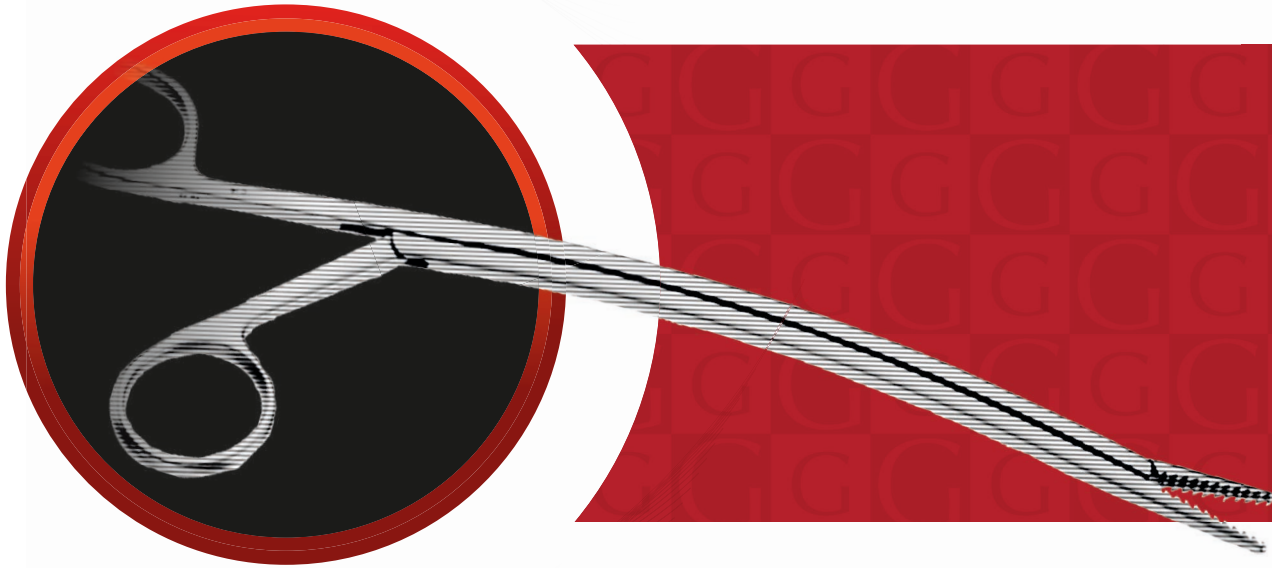
↻ ↻ curved shanks

↻ ↻ slightly angled shanks

↻ ↻ angled shanks

⊗ graduated shanks

* bold = shown

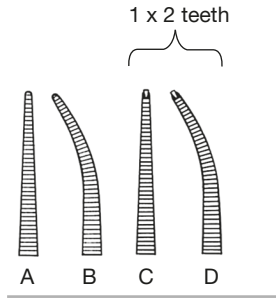
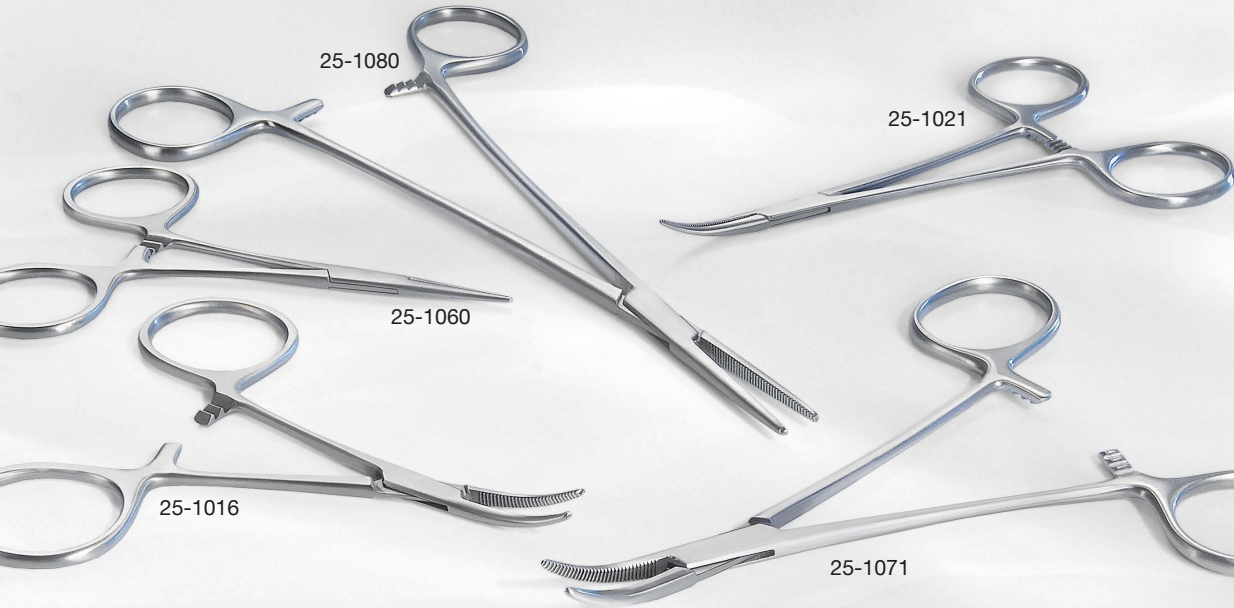


Hemostatic Forceps | Dissecting Forceps
Sponge Forceps | Towel Clamps
Tube and Suture Holding Clamps
Tube Milkers and Cutters





Fine Hemostatic Forceps



Micro-Mosquito

Fig.	Art.-No.	Length mm / "
A	25-1010	100 / 4
B	25-1011	100 / 4
C	25-1015	100 / 4
D	25-1016	100 / 4

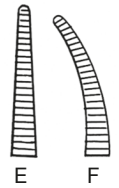


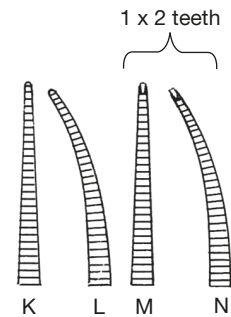
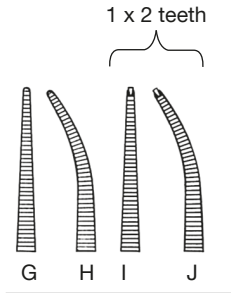
Baby-Mosquito (Hartmann)

Fig.	Art.-No.	Length mm / "
E	25-1060	90 / 3½
F	25-1061	90 / 3½

Titanium

Fig.	Art.-No.	Length mm / "
	25-1060.TI	90 / 3½
	25-1061.TI	90 / 3½

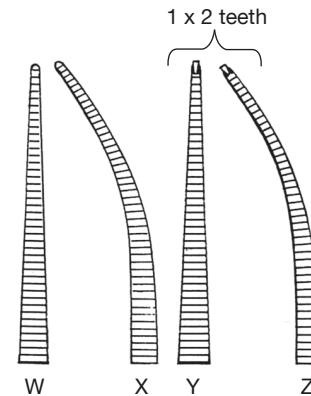
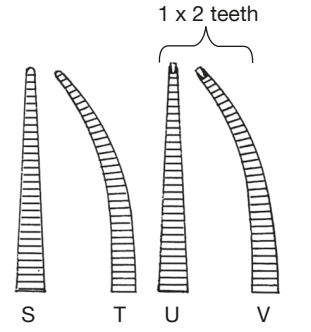
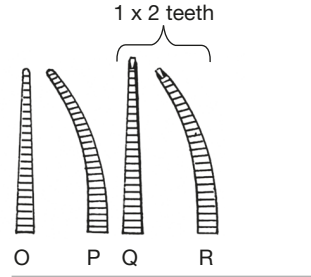




Micro-Halstead-Mosquito

Fig.	Art.-No.	Length mm / "
G	25-1020	125 / 5
H	25-1021	125 / 5
I	25-1025	125 / 5
J	25-1026	125 / 5
K	25-1030	140 / 5½
L	25-1031	140 / 5½
M	25-1035	140 / 5½
N	25-1036	140 / 5½

Titanium		
Fig.	Art.-No.	Length mm / "
	25-1021.TI	125 / 5
	25-1026.TI	125 / 5



Halstead-Mosquito

Fig.	Art.-No.	Length mm / "
O	25-1070	125 / 5
P	25-1071	125 / 5
Q	25-1075	125 / 5
R	25-1076	125 / 5
S	25-1080	180 / 7
T	25-1081	180 / 7
U	25-1085	180 / 7
V	25-1086	180 / 7
W	25-1090	200 / 8
X	25-1091	200 / 8
Y	25-1092	200 / 8
Z	25-1093	200 / 8

Titanium		
Fig.	Art.-No.	Length mm / "
	25-1070.TI	125 / 5
	25-1071.TI	125 / 5
	25-1075.TI	125 / 5
	25-1076.TI	125 / 5

* bold = shown



Fine Hemostatic Forceps



25-1241



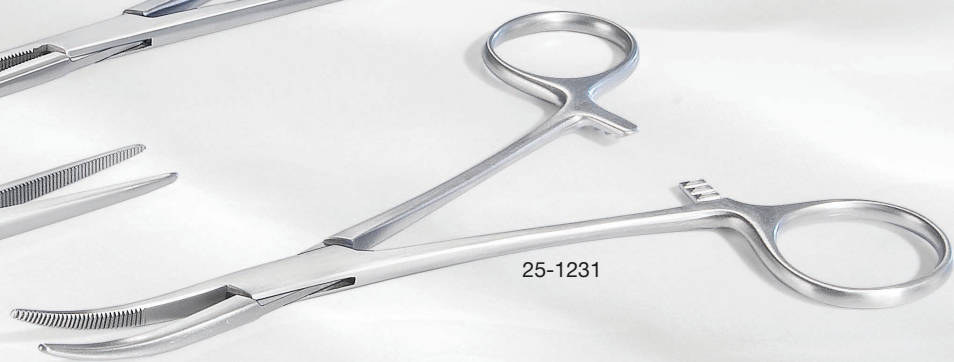
25-1201



25-0150



25-1210



25-1231

Heiss

Fig.	Art.-No.	Length mm / "
A	25-0150	200 / 8
B	25-0151	200 / 8
C	25-0152	200 / 8

Kelly

Fig.	Art.-No.	Length mm / "
D	25-1230	140 / 5½
E	25-1231	140 / 5½

Kelly-Rankin

Fig.	Art.-No.	Length mm / "
F	25-1240	160 / 6¼
G	25-1241	160 / 6¼

Crile

Fig.	Art.-No.	Length mm / "
H	25-1200	140 / 5½
I	25-1201	140 / 5½
J	25-1205	140 / 5½
K	25-1206	140 / 5½

Titanium

Fig.	Art.-No.	Length mm / "
	25-1200.TI	140 / 5½
	25-1201.TI	140 / 5½

Crile-Rankin

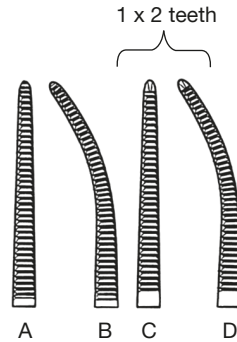
Fig.	Art.-No.	Length mm / "
L	25-1210	160 / 6¼
M	25-1211	160 / 6¼

* bold = shown



Fine Hemostatic Forceps

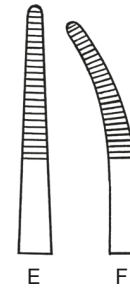





Leriche

Fig.	Art.-No.	Length mm / "
A	25-1040	150 / 6
B	25-1041	150 / 6
C	25-1045	150 / 6
D	25-1046	150 / 6

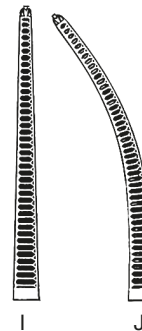
Titanium		
Fig.	Art.-No.	Length mm / "
	25-1040.TI	150 / 6
	25-1041.TI	150 / 6



Adson

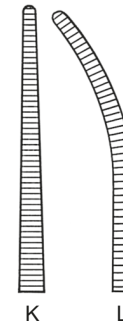
Fig.	Art.-No.	Length mm / "
E	25-1270	190 / 7½
F	25-1271	190 / 7½

1 x 2 teeth



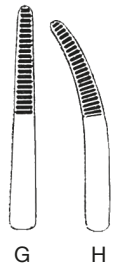
Kocher (delicate)

Fig.	Art.-No.	Length mm / "
I	25-1110	145 / 5¾
J	25-1111	145 / 5¾



Pean (delicate)

Fig.	Art.-No.	Length mm / "
K	25-1100	145 / 5¾
L	25-1101	145 / 5¾



Providence-Hospital

Fig.	Art.-No.	Length mm / "
G	25-1250	140 / 5½
H	25-1251	140 / 5½



Hemostatic Forceps

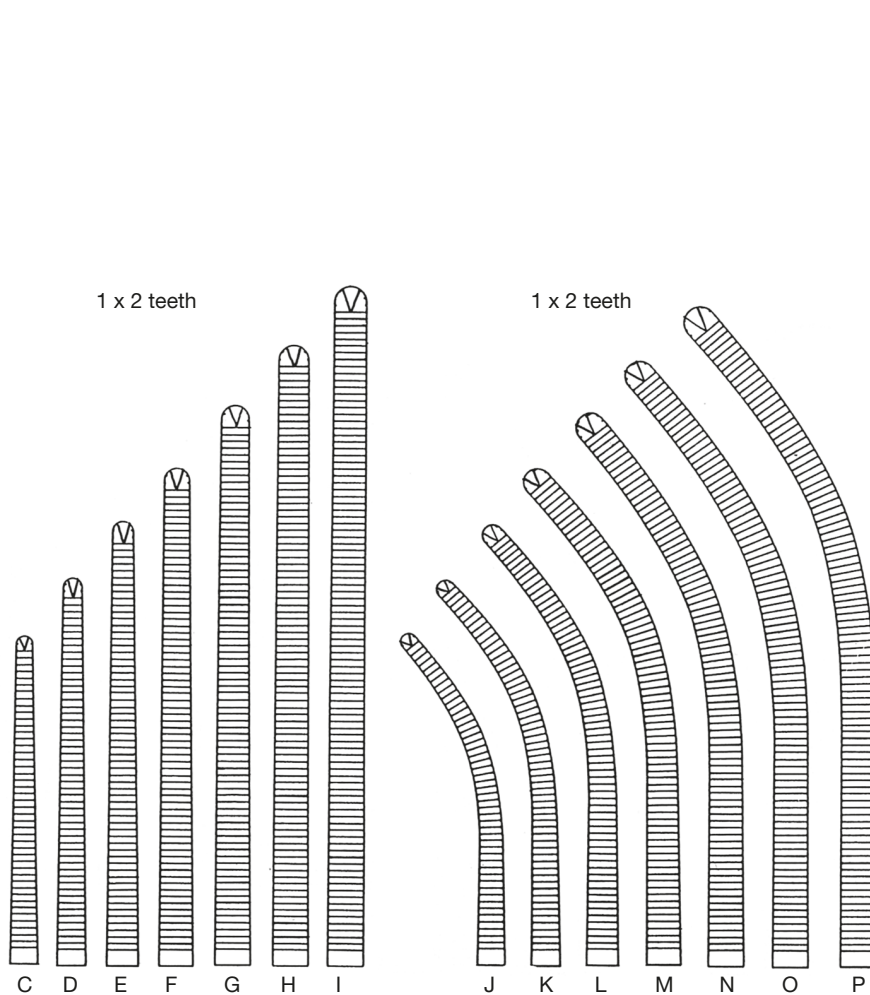


25-1143

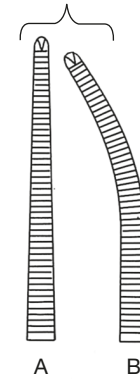


25-1150

25-1151



1 x 2 teeth



A

B



Kocher

Fig.	Art.-No.	Length mm / "
A	25-1140	140 / 5½
B	25-1150	140 / 5½



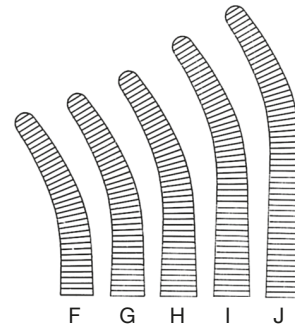
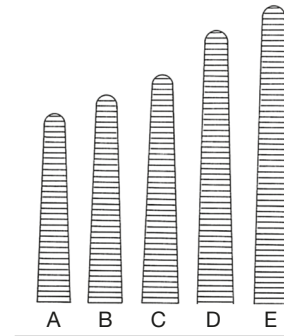
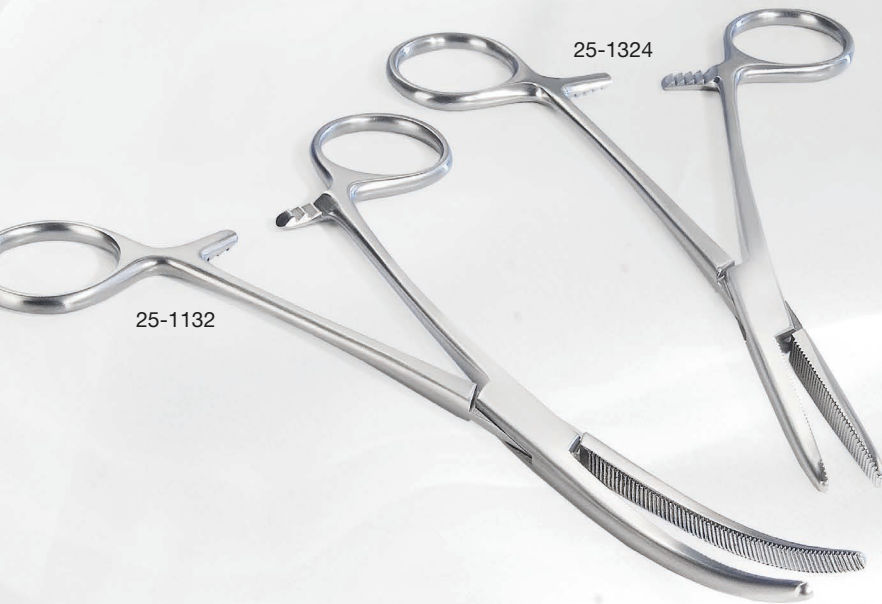
Ochsner

Fig.	Art.-No.	Length mm / "
C	25-1141	160 / 6¼
D	25-1142	180 / 7
E	25-1143	200 / 8
F	25-1144	220 / 8¾
G	25-1145	240 / 9½
H	25-1146	260 / 10¼
I	25-1147	300 / 11¾
J	25-1151	160 / 6¼
K	25-1152	180 / 7
L	25-1153	200 / 8
M	25-1154	220 / 8¾
N	25-1155	240 / 9½
O	25-1156	260 / 10¼
P	25-1157	300 / 11¾

* bold = shown

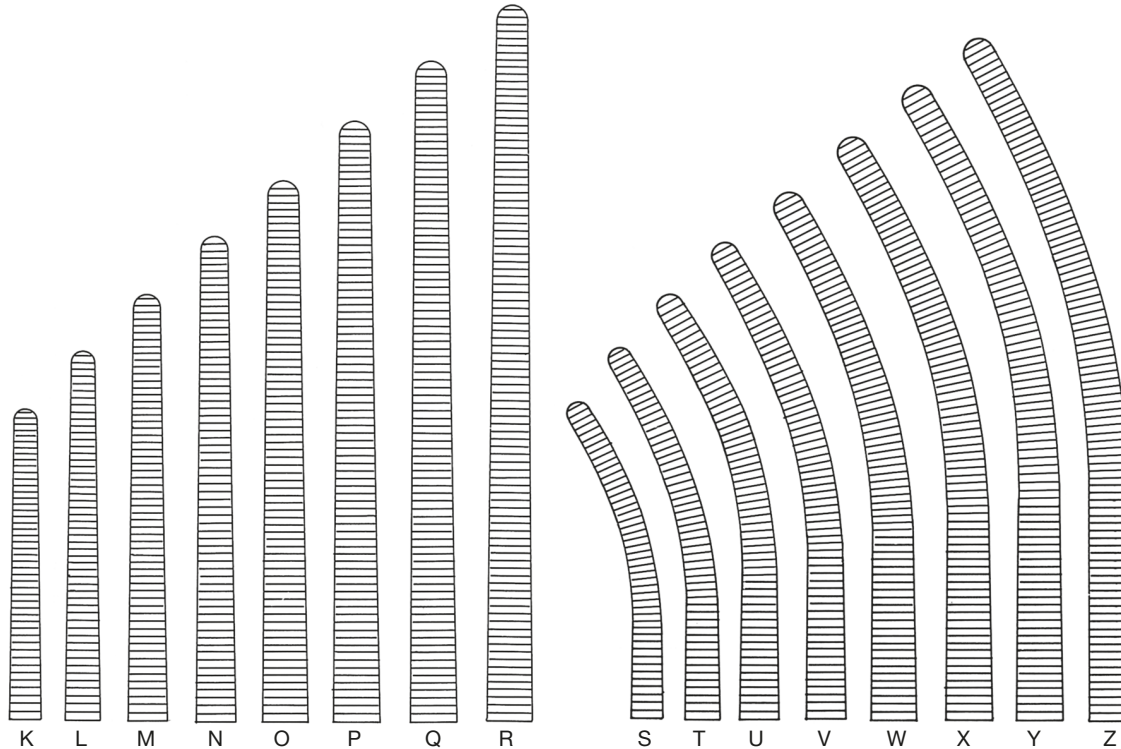


Hemostatic Forceps



Spencer-Wells (Jones)

Fig.	Art.-No.	Length mm / "
A	25-1320	130 / 5
B	25-1321	140 / 5½
C	25-1322	150 / 6
D	25-1324	180 / 7
E	25-1323	200 / 8
F	25-1325	130 / 5
G	25-1326	140 / 5½
H	25-1327	150 / 6
I	25-1329	180 / 7
J	25-1328	200 / 8



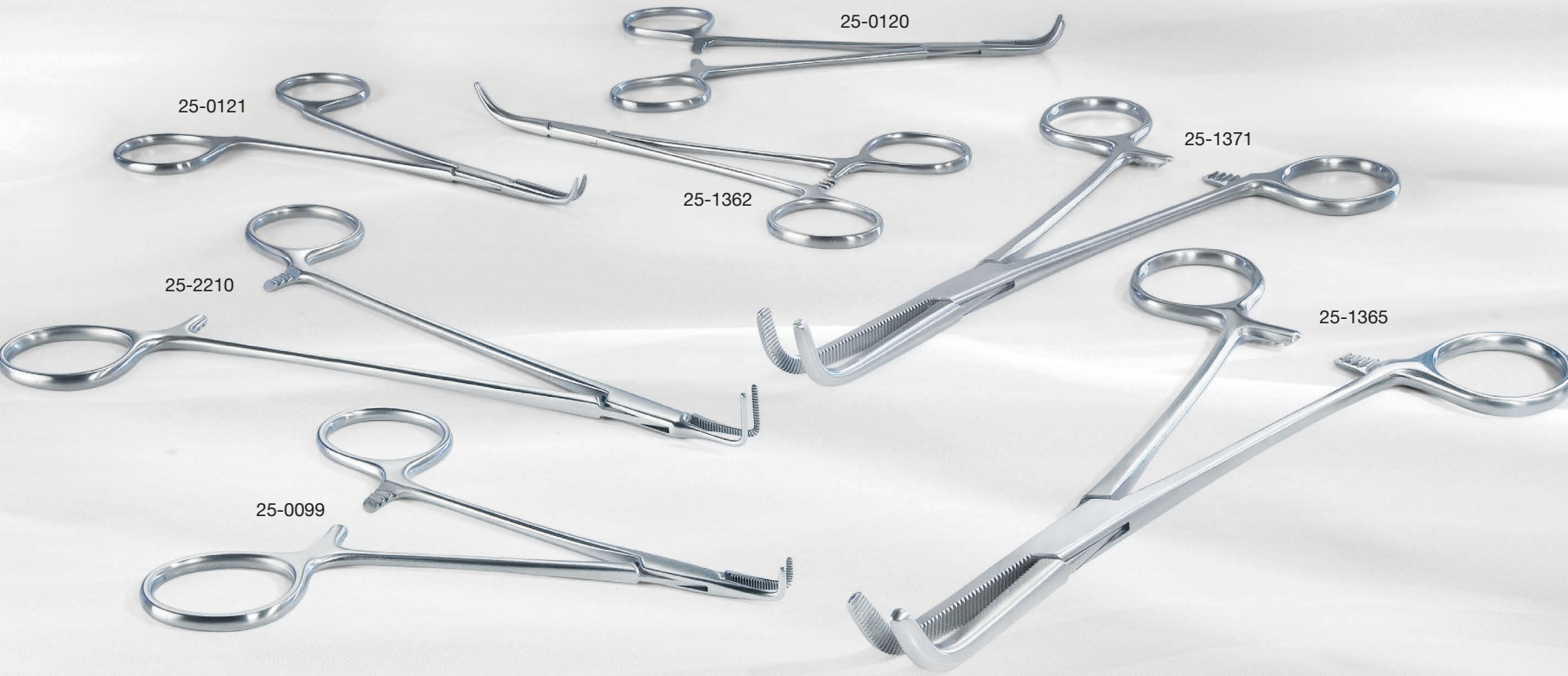
Rochester-Pean

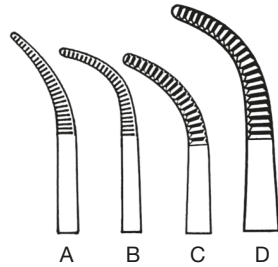
Fig.	Art.-No.	Length mm / "
K	25-1120	140 / 5½
L	25-1121	160 / 6¼
M	25-1122	180 / 7
N	25-1123	200 / 8
O	25-1124	220 / 8¾
P	25-1125	240 / 9½
Q	25-1126	260 / 10¼
R	25-1127	300 / 11¾
S	25-1130	140 / 5½
T	25-1131	160 / 6¼
U	25-1132	180 / 7
V	25-1133	200 / 8
W	25-1134	220 / 8¾
X	25-1135	240 / 9½
Y	25-1136	260 / 10¼
Z	25-1137	300 / 11¾

* bold = shown



Hemostatic and Dissecting Forceps





Baby-Mixer

Fig.	Art.-No.	Length mm / "
A	25-1360	140 / 5½
B	25-1361	140 / 5½
C	25-1362	140 / 5½
D	25-1363	180 / 7



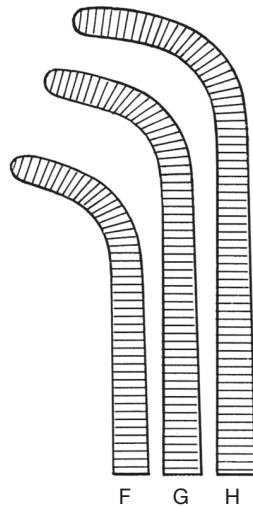
Mixer-O'Shaugnessy

Fig.	Art.-No.	Length mm / "
E	25-1365	190 / 7½



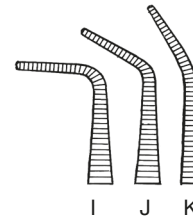
Ochsner (very delicate)

Fig.	Art.-No.	Length mm / "
L	25-0099	115 / 4½



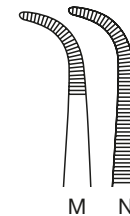
Mixer

Fig.	Art.-No.	Length mm / "
F	25-1370	160 / 6¼
G	25-1371	195 / 7¾
H	25-1372	215 / 8½



Bailey (very delicate)

Fig.	Art.-No.	Length mm / "
I	25-2210	180 / 7
J	25-2210.24	240 / 9½
K	25-2211	180 / 7
K	25-2212	180 / 7



Micro-Adson

Fig.	Art.-No.	Length mm / "
M	25-0120	140 / 5½
N	25-0121	140 / 5½



Hemostatic Forceps



25-0126

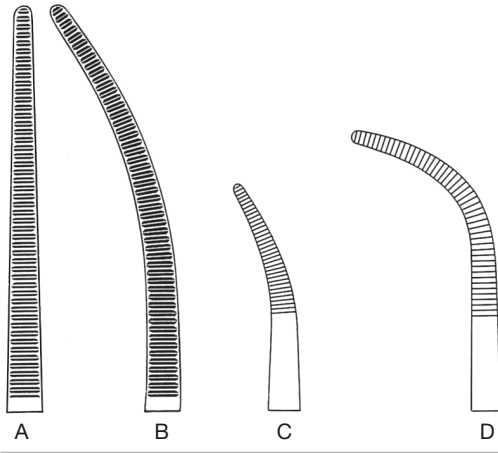
25-1290

25-0201

25-1331

25-0102

25-1340



Roberts

Fig.	Art.-No.	Length mm / "
A	25-1330	220 / 8¾
B	25-1331	220 / 8¾



Mixer

Fig.	Art.-No.	Length mm / "
D	25-0126	230 / 9



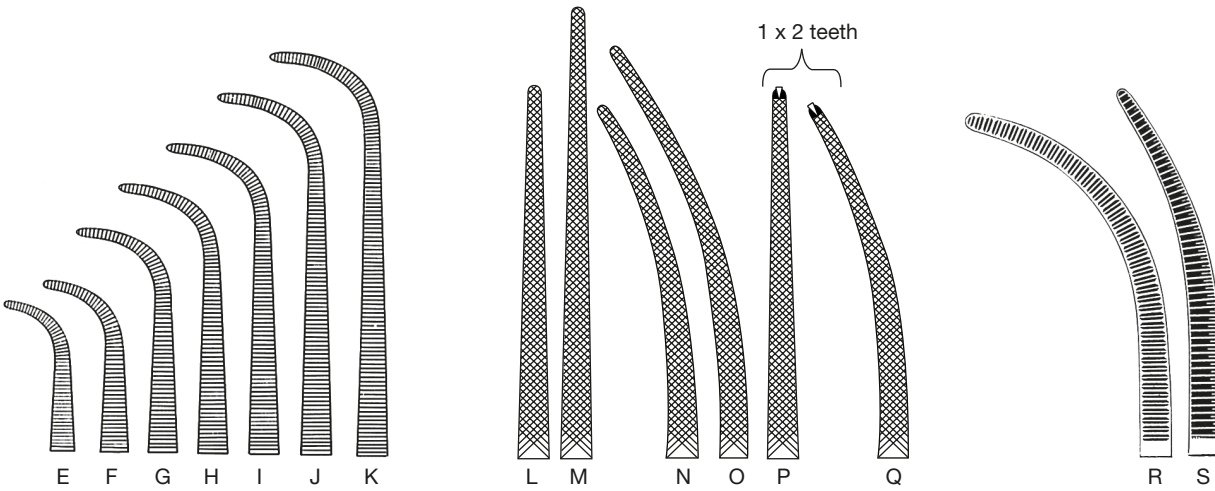
Schnidt

Fig.	Art.-No.	Length mm / "
C	25-1340	190 / 7½



Mixer (Gemini)

Fig.	Art.-No.	Length mm / "
E	25-0100	140 / 5½
F	25-0101	160 / 6¼
G	25-0102	180 / 7
H	25-0103	200 / 8
I	25-0104	230 / 9
J	25-0105	250 / 10
K	25-0106	280 / 11



Bengolea

Fig.	Art.-No.	Length mm / "
L	25-0200	240 / 9½
M	25-0205	260 / 10¼
N	25-0201	240 / 9½
O	25-0206	260 / 10¼
P	25-0202	240 / 9½
Q	25-0204	240 / 9½



Zenker

Fig.	Art.-No.	Length mm / "
R	25-1291	290 / 11½
S	25-1290	300 / 11¾

* bold = shown

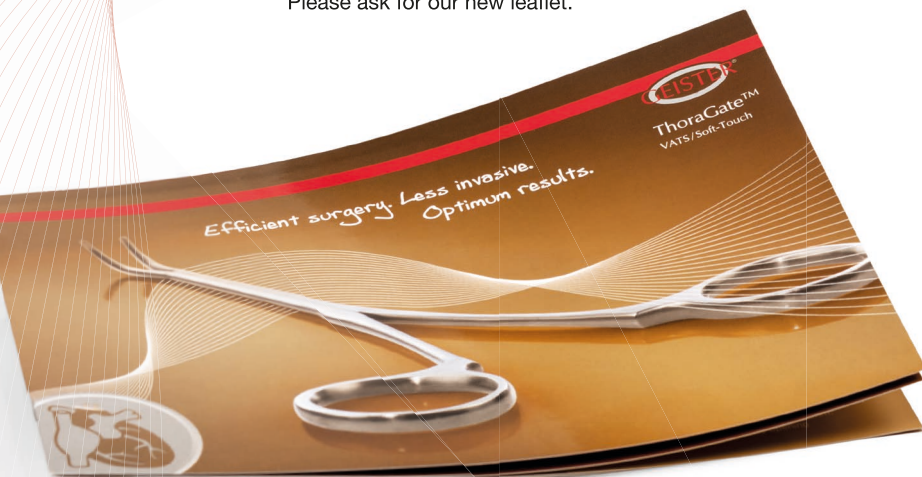


ThoraGate™ VATS Soft-Touch

GEISTER® continues to lead the evolution to video-assisted thoracic surgery (VATS) with this new generation of thoracoscopic minimally invasive surgery instruments, made from special forgings featuring a rounder contour shape and softer touch compared to most traditional sliding shaft instruments and providing a handle feeling that is more comparable to box-lock type clamps with the associated tactile feedback, while providing deep access through ports or small thoracic incisions.

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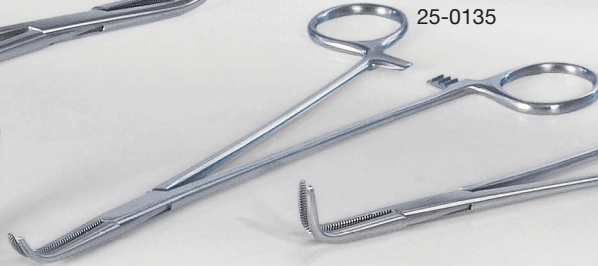
new
Soft-Touch
 less invasive
Elastic
 tactile behaviour
 Fitted for success
 balanced
Durable

Dissecting Forceps

GEISTER®



25-1172



25-0135



25-0140



25-0232



25-0129



25-0220

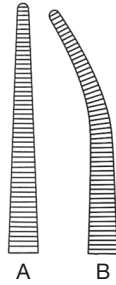


25-0111



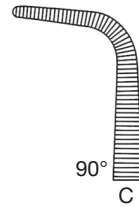
Bridge

Fig.	Art.-No.	Length mm / "
A	25-0128	180 / 7
	25-0130	280 / 11
B	25-0129	180 / 7
	25-0131	280 / 11



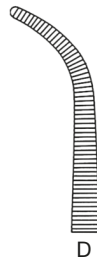
Meeker

Fig.	Art.-No.	Length mm / "
C	25-0140	180 / 7
	25-0141	280 / 11



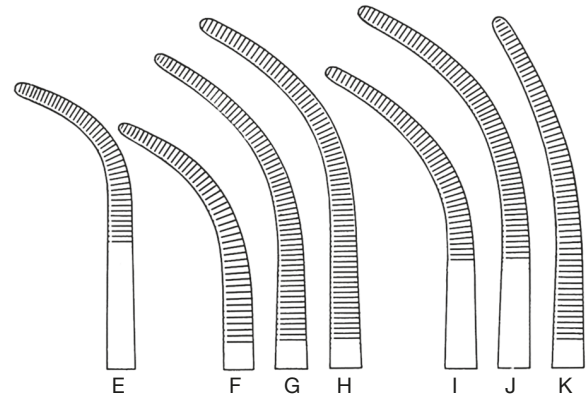
Lawrence

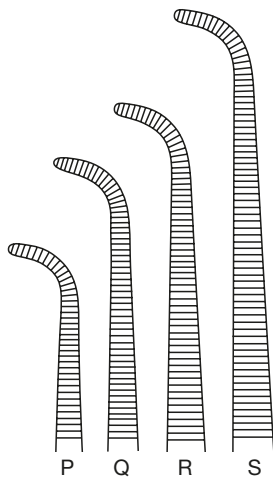
Fig.	Art.-No.	Length mm / "
D	25-0135	190 / 7½
	25-0136	280 / 11



Overholt-Geissendoerfer

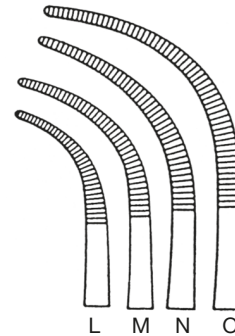
Fig.	Art.-No.	Length mm / "
E	25-0230	195 / 7¾
	25-0240	260 / 10¼
F	25-0231	210 / 8¼
	25-0241	270 / 10½
G	25-0232	220 / 8¾
	25-0242	275 / 10¾
H	25-0233	225 / 8¾
	25-0243	275 / 10¾
I	25-0234	215 / 8½
	25-0244	275 / 10¾
J	25-0235	225 / 8¾
	25-0245	280 / 11
K	25-0236	225 / 8¾
	25-0246	275 / 10¾





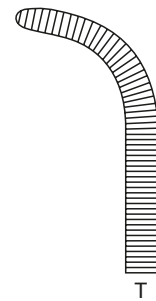
Meigs-Navratil

Fig.	Art.-No.	Length mm / "
P	25-0110	180 / 7
Q	25-0111	220 / 8¾
R	25-0112	250 / 10
S	25-0113	280 / 11



Overholt-Geissendoerfer "S"

Fig.	Art.-No.	Length mm / "
L	25-0220	185 / 7¼
M	25-0221	205 / 8
N	25-0222	210 / 8¼
O	25-0223	215 / 8½



O'Shaughnessy

Fig.	Art.-No.	Length mm / "
T	25-1172	200 / 8
	25-1174	230 / 9
	25-1176	250 / 10
	25-1178	280 / 11



25-1377



25-0215



25-0227



Dissecting Forceps

GEISTER®

25-0162

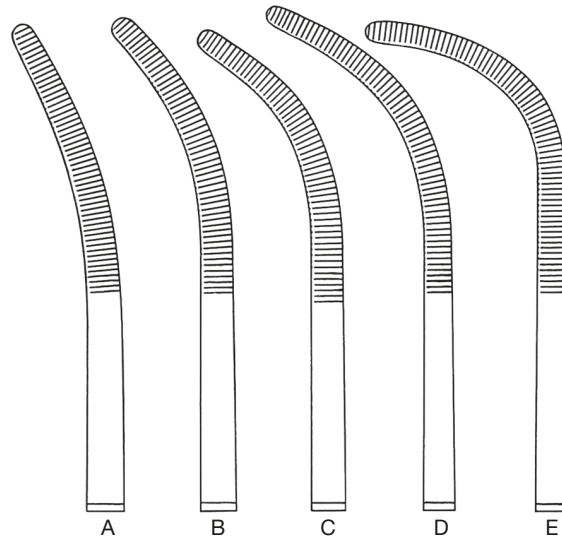


25-0262



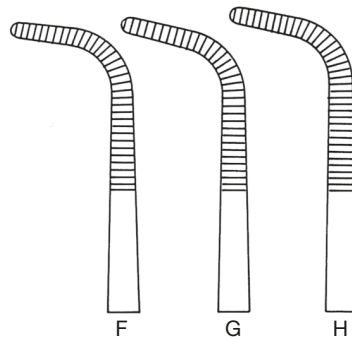


Dissecting Forceps



Rumel

Fig.	Art.-No.	Length mm / "
A	25-0211	240 / 9½
B	25-0212	240 / 9½
C	25-0213	240 / 9½
D	25-0214	240 / 9½
E	25-0215	240 / 9½



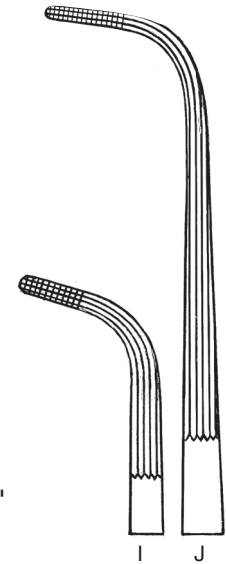
Kantrowitz

Fig.	Art.-No.	Length mm / "
F	25-0160	190 / 7½
G	25-0162	240 / 9½
H	25-0164	270 / 10½

Original Forceps

with special Jaws

Fig.	Art.-No.	Length mm / "
I	25-0262	190 / 7½
J	25-0260	250 / 10



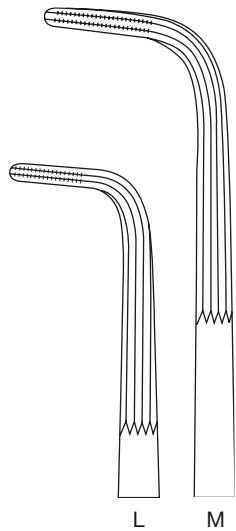


Fig.	Art.-No.	Length mm / "
L	25-1375	215 / 8½
	25-1376	255 / 10
M	25-1377	280 / 11
	25-1378	320 / 12½

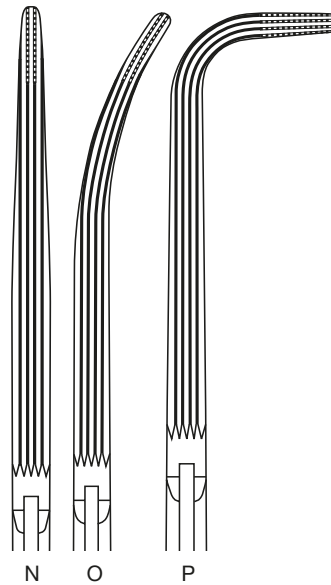


Fig.	Art.-No.	Length mm / "
K	25-0227	220 / 8¾
	25-0228	280 / 11

DeBakey-Cooley-type Forceps

with special Jaws

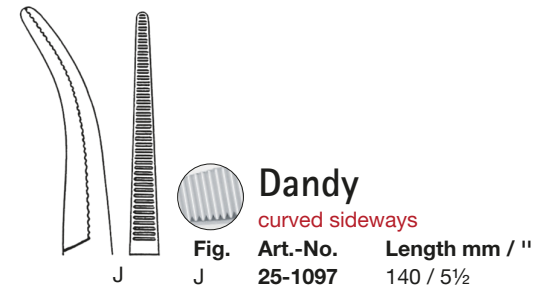
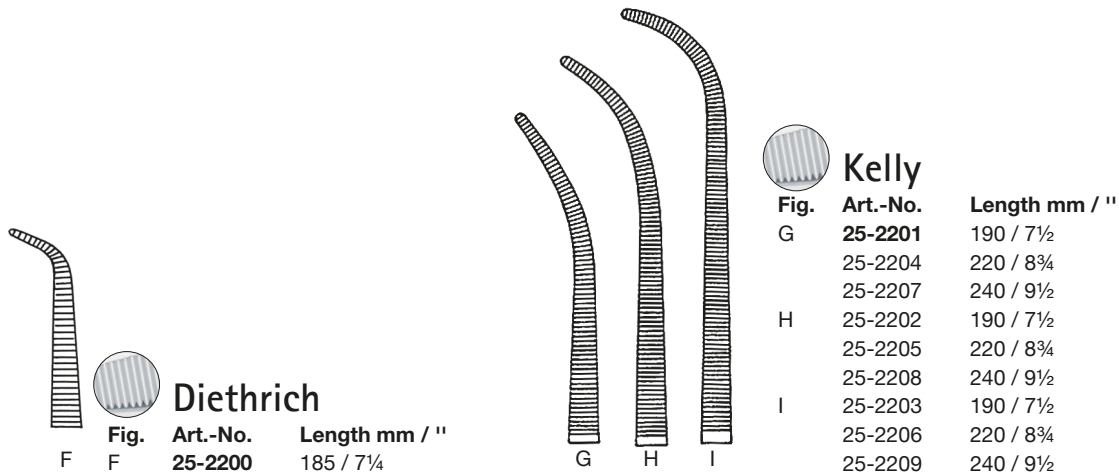
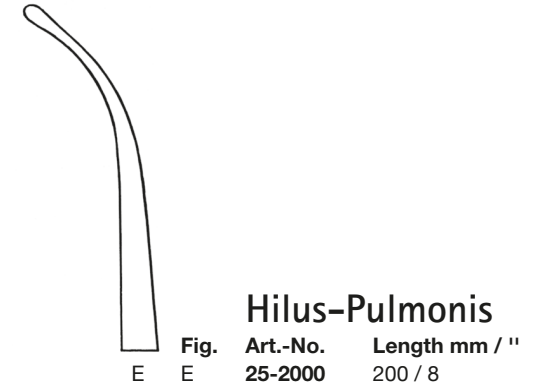
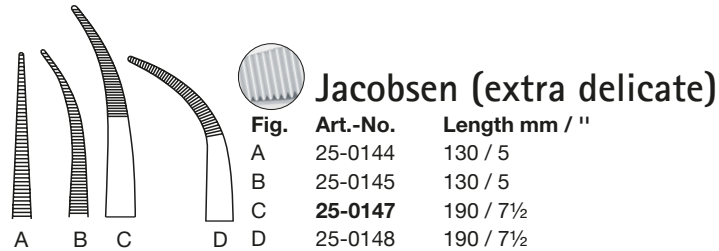
Fig.	Art.-No.	Length mm / "	
N	25-0325	335 / 13¼	straight jaws
O	25-0300	190 / 7½	curved jaws
	25-0301	230 / 9	curved jaws
	25-0302	250 / 10	curved jaws
	25-0303	280 / 11	curved jaws
	25-0304	305 / 12	curved jaws
	25-0305	335 / 13¼	curved jaws
P	25-0310	190 / 7½	right angled jaws
	25-0311	230 / 9	right angled jaws
	25-0312	250 / 10	right angled jaws
	25-0313	280 / 11	right angled jaws
	25-0314	305 / 12	right angled jaws
	25-0315	335 / 13¼	right angled jaws

* bold = shown



Dissecting Forceps







Fine Hemostatic Forceps



25-2741



25-2691



25-0171



25-2122

Papillary Muscle Clamps

with Resano Jaws

Fig.	Art.-No.	Length mm / "
A	25-2740	170 / 6¾
	25-2741	240 / 9½
	25-2742	270 / 10½

Semb

Bronchus Clamps and Ligature Carriers

Fig.	Art.-No.	Length mm / "
B	25-2120	250 / 10
C	25-2122	250 / 10

Crafoord-Sellors

Fig.	Art.-No.	Length mm / "
D	25-2690	240 / 9½
E	25-2691	240 / 9½
F	25-2692	240 / 9½



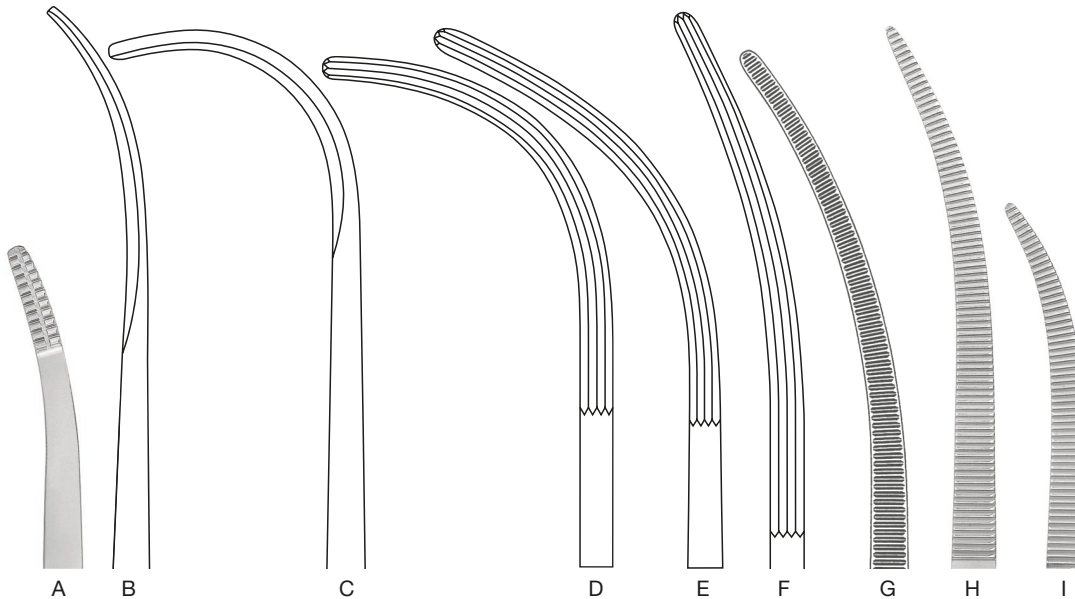
Sarot (Crafoord)

Fig.	Art.-No.	Length mm / "
G	25-0171	240 / 9½



Crafoord Fine

Fig.	Art.-No.	Length mm / "
H	25-0172	240 / 9½
I	25-0173	180 / 7





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



12-2070

25-2660

25-2601

25-2102

25-2649

McDougal

Prostatectomy Clamps

Fig.	Art.-No.	Length mm / "	
A	25-2700	265 / 10½	left
B	25-2702	265 / 10½	right

Price-Thomas

Bronchus Clamps

Art.-No.	Length mm / "	
25-2100	220 / 8¾	without teeth
25-2101	220 / 8¾	teeth left
25-2102	220 / 8¾	teeth right



Teale

Grasping Forceps

Art.-No.	Length mm / "
12-2070	260 / 10¼

Lahey

Fig.	Art.-No.	Length mm / "
C	25-2649	190 / 7½
D	25-2650	225 / 8¾



Guyon

Fig.	Art.-No.	Length mm / "
E	25-2600	230 / 9
F	25-2601	240 / 9½



Guyon

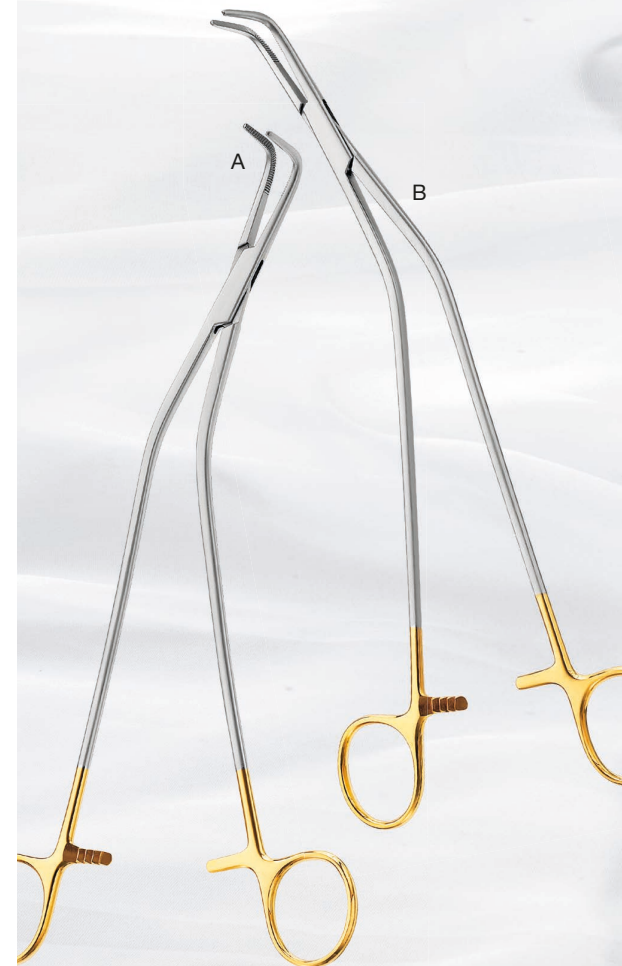
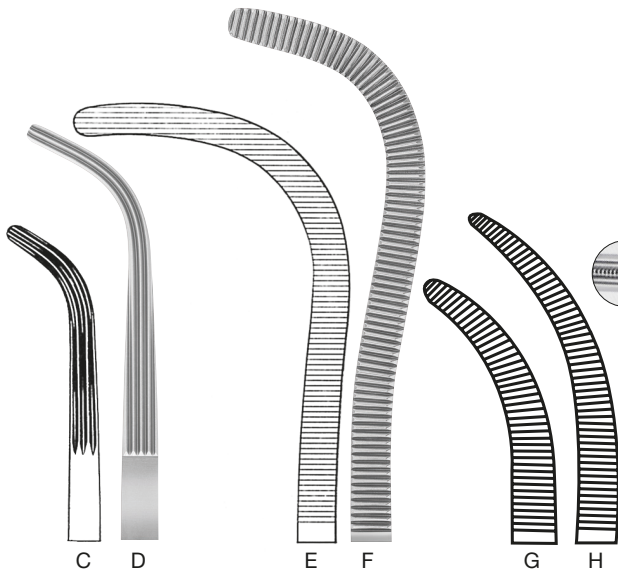
with DeBakey Jaws

Fig.	Art.-No.	Length mm / "
E	07-0902	230 / 9
F	07-0900	240 / 9½



Moynihan

Fig.	Art.-No.	Length mm / "
G	25-2660	230 / 9
H	25-2662	240 / 9½



* bold = shown



Sponge Forceps

25-9022



25-9030



25-9125



25-9130

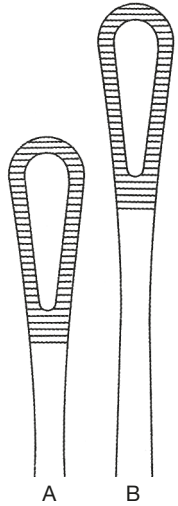


25-9017



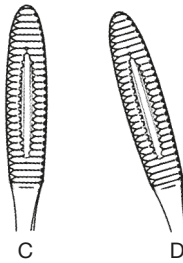
Sponge Forceps

GEISTER®



Rampley

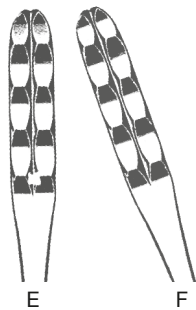
Fig.	Art.-No.	Length mm / "
A	25-9130	180 / 7
B	25-9132	250 / 10



Gross-Maier

with ratchet without ratchet

Fig.	Art.-No.	Art.-No.	Length mm / "
C	25-9010	25-9020	200 / 8
	25-9011	25-9021	220 / 8¾
	25-9012	25-9022	250 / 10
	25-9013	25-9023	270 / 10½
D	25-9014	25-9024	200 / 8
	25-9015	25-9025	220 / 8¾
	25-9016	25-9026	250 / 10
	25-9017	25-9027	270 / 10½

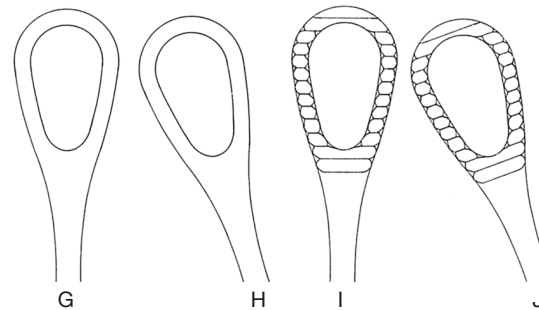


Ulrich

Fig.	Art.-No.	Length mm / "
E	25-9030	220 / 8¾
	25-9031	250 / 10
	25-9032	270 / 10½
F	25-9035	220 / 8¾
	25-9036	250 / 10
	25-9037	270 / 10½

smooth jaws

serrated jaws



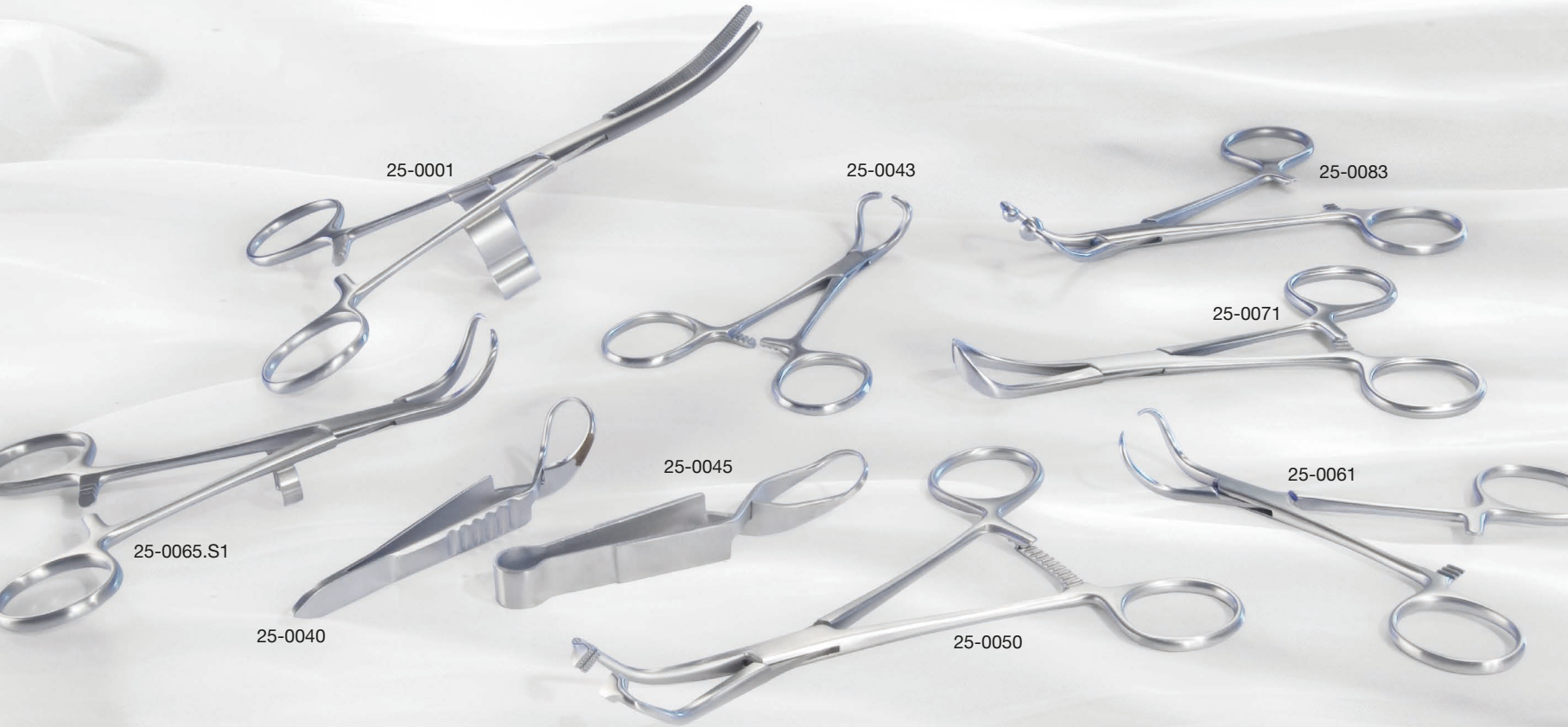
Foerster (Ballenger)

Fig.	Art.-No.	Length mm / "
G	25-9110	250 / 10
H	25-9111	250 / 10
I	25-9120	180 / 7
	25-9121	200 / 8
J	25-9122	250 / 10
	25-9123	180 / 7
	25-9124	200 / 8
	25-9125	250 / 10
	25-9134	330 / 13

* bold = shown



Towel Forceps and Tube Holding Forceps



Jones

Art.-No.	Length mm / "
25-0040	90 / 3½

Tohoku

Art.-No.	Length mm / "
25-0043	100 / 4
25-0044	130 / 5

Schaedel

Art.-No.	Length mm / "
25-0045	90 / 3½

Peers

Art.-No.	Length mm / "
25-0050	145 / 5¾

Backhaus

Art.-No.	Length mm / "
25-0060	90 / 3½
25-0061	110 / 4¼
25-0062	130 / 5
25-0063	150 / 6

Lorna

Art.-No.	Length mm / "
25-0070	100 / 4
25-0071	130 / 5

Socket & Ball

Art.-No.	Length mm / "
25-0082	115 / 4½
25-0083	130 / 5
25-0085	150 / 6

Tube Holding Forceps – Green

Art.-No.	Length mm / "
25-0001	16 / 6¼

Towel Forceps with Tube Holder – Morse

For holding extracorporeal tubing to drapes.

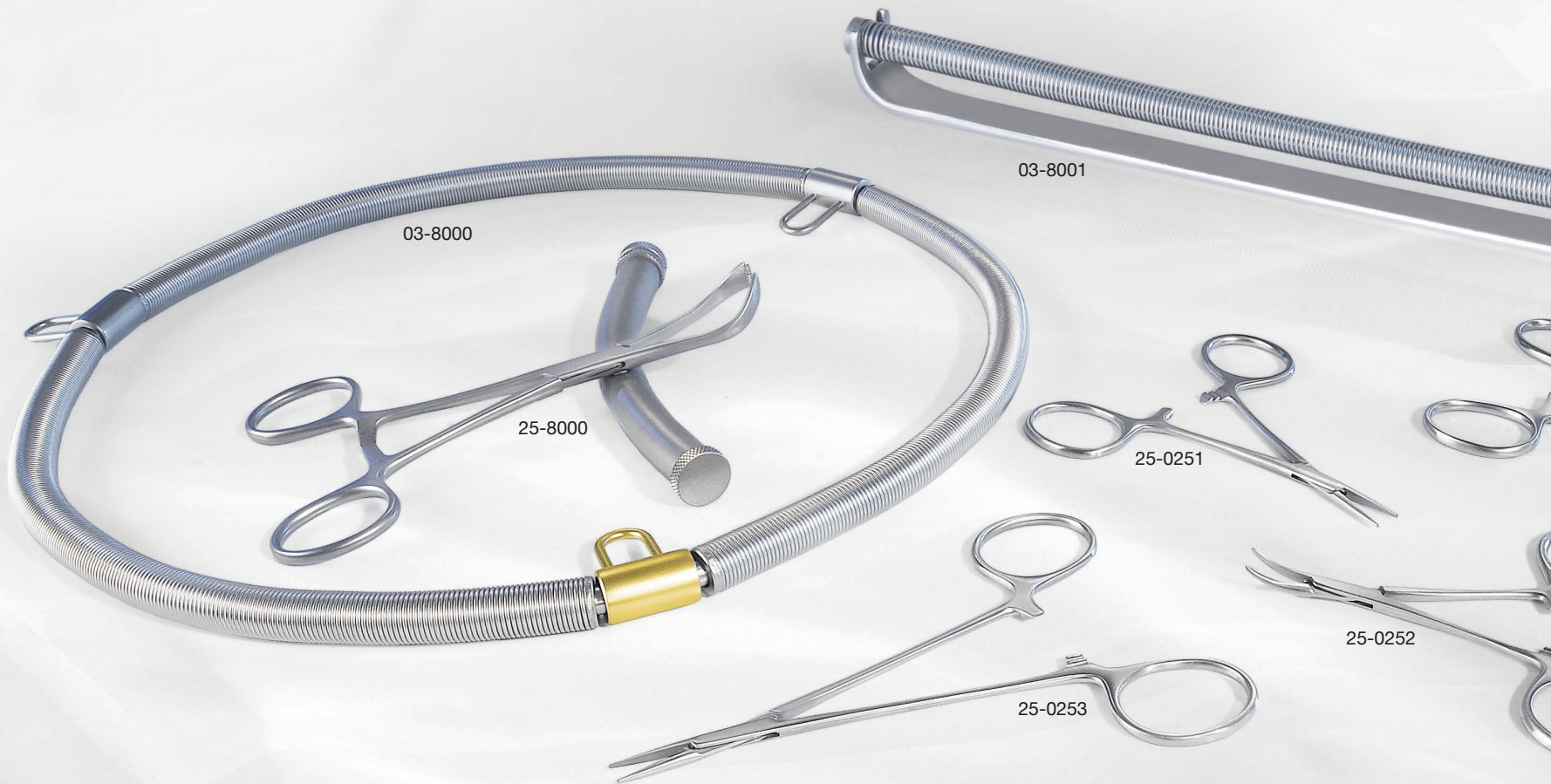
Art.-No.	Length mm / "	for Tube size o.d. mm / "
25-0065.00	130 / 5	2.5 / ⅛
25-0065.01	130 / 5	6 / ¼
25-0065.02	130 / 5	8.5 / ⅜
25-0065.03	130 / 5	12.5 / ½
25-0065.04	130 / 5	18 / ¾
25-0065.S1	130 / 5	9.5 / ⅜
25-0065.S2	130 / 5	14 / ⅞
25-0065.S3	130 / 5	17.5 / 1⅛

Socket & Ball Paper Towel Forceps with Tube Holder

Art.-No.	Length mm / "	for Tube size o.d. mm / "
25-0086.01	130 / 5	6 / ¼
25-0086.02	130 / 5	8.5 / ⅜
25-0086.03	130 / 5	12.5 / ½

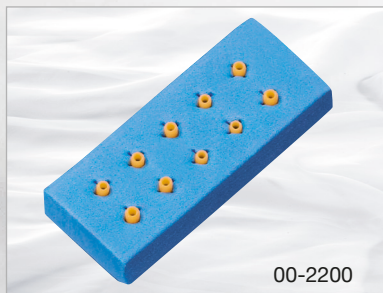


Suture Holding Clamps and Accessories





25-0254



00-2200

Crawford Neo Suture Holding Ring

Art.-No.	Ø mm / "	
03-8000	250 / 10	detachable

Spring Stretchers

for Crawford Neo Suture Holding Ring (3/set)

Art.-No.	
03-8001	Spring for illustration only

Gregory Stay Suture Clamps

Art.-No.	Length mm / "	
25-0251	95 / 3¾	straight
25-0252	95 / 3¾	curved
25-0253	120 / 4¾	straight
25-0254	120 / 4¾	curved

color coding or numbering is available on request

McIntosh

Art.-No.	Length mm / "
25-8000	130 / 5

This versatile device was especially developed for the control of up to 10 sutures. 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.

Suture Boots

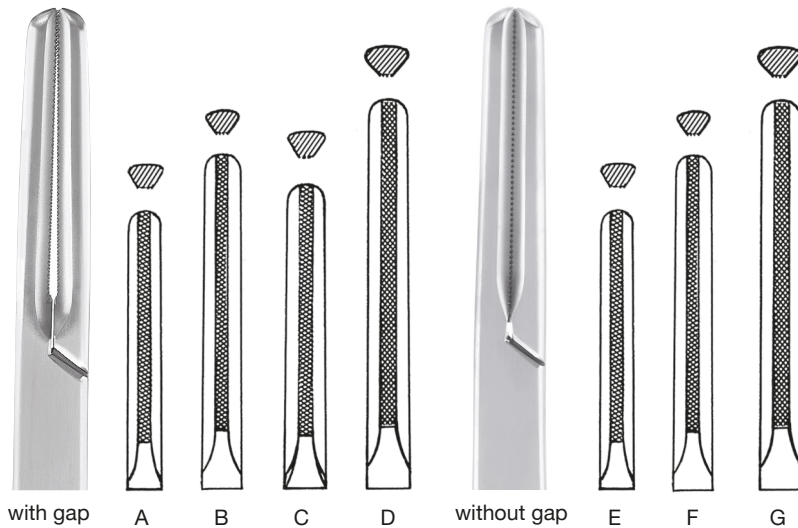
Art.-No.	
00-2200	Yellow, Standard
00-2201	Red, Standard
00-2202	Blue, Standard
00-2203	White, Standard
00-2210	Pink, Large
00-2211	Assorted, Standard (2 pairs yellow, 1 pair each red, white, blue)

Sterile package for single use, latex free, Box with 500 pcs. (10 x 50 packs, each pack 5 trays à 5 pairs). Suture Boots protect, tag, and help to locate sutures.



Tube Occluding Forceps





Tube Occluding Forceps

with gap

Fig.	Art.-No.	Length mm / "
A	25-0010	150 / 6 (Pediatric)
B	25-0024	180 / 7
C	25-0011	190 / 7½
D	25-0012	200 / 8

without gap

Fig.	Art.-No.	Length mm / "
E	25-0009	150 / 6 (Pediatric)
F	25-0025	180 / 7
G	25-0013	200 / 8

Tube Occluding Forceps with Safety Guard

with gap

Fig.	Art.-No.	Length mm / "
A	25-0020	150 / 6
B	25-0027	180 / 7
C	25-0021	190 / 7½
D	25-0022	200 / 8

without gap

Fig.	Art.-No.	Length mm / "
E	25-0023	200 / 8

**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.

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

03-7600	24 cm/9½"	without ratchet
03-7601	24 cm/9½"	with ratchet
03-7610	35 cm/13¾"	without ratchet
03-7611	35 cm/13¾"	with ratchet

with strap, please add „SB“ behind the articlenumber



26-4976

25-0036



25-0035

Tube Cutters – Geister

Art.-No.	Description	Length mm	for Tube up to Ø o.d. mm	
25-0035	Super Tube Cutter, Aluminium grey, with ratchet	170	18	standard
25-0035.NC	without ratchet			standard
25-0035.EK	Spare Blade for 25-0035 and 25-0035.NC			standard
25-0036	Super Tube Cutter, Aluminium grey, with ratchet	170	23	wide
25-0036.NC	without ratchet			wide
25-0036.EK	Spare Blade for 25-0036 and 25-0036.NC			wide

Scissors – Sims

Art.-No.	Length mm	
26-6880	200	straight
26-6881	200	curved
26-6883	230	straight
26-6884	230	curved

Scissors – Braun–Stadler

Art.-No.	Length mm	
26-6901	220	
26-6901.SC	220	Super Cut

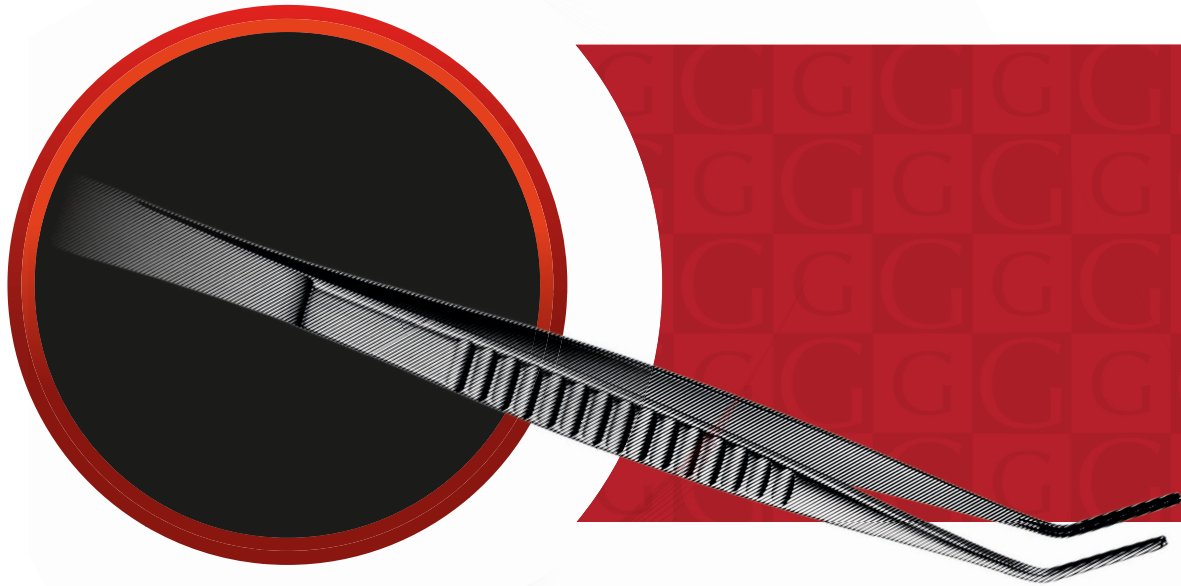
Scissors – Doyen

Art.-No.	Length mm	
26-6908	160	straight
26-6910	180	straight
26-6910.SC	180	straight, Super Cut

Scissors – Lister

Art.-No.	Length mm	
26-4974	180	
26-4974.SC	180	Super Cut
26-4975	200	
26-4975.SC	200	Super Cut
26-4976	200	with one large ring

* bold = shown





Tissue Forceps | Dressing Forceps | Grasping Forceps

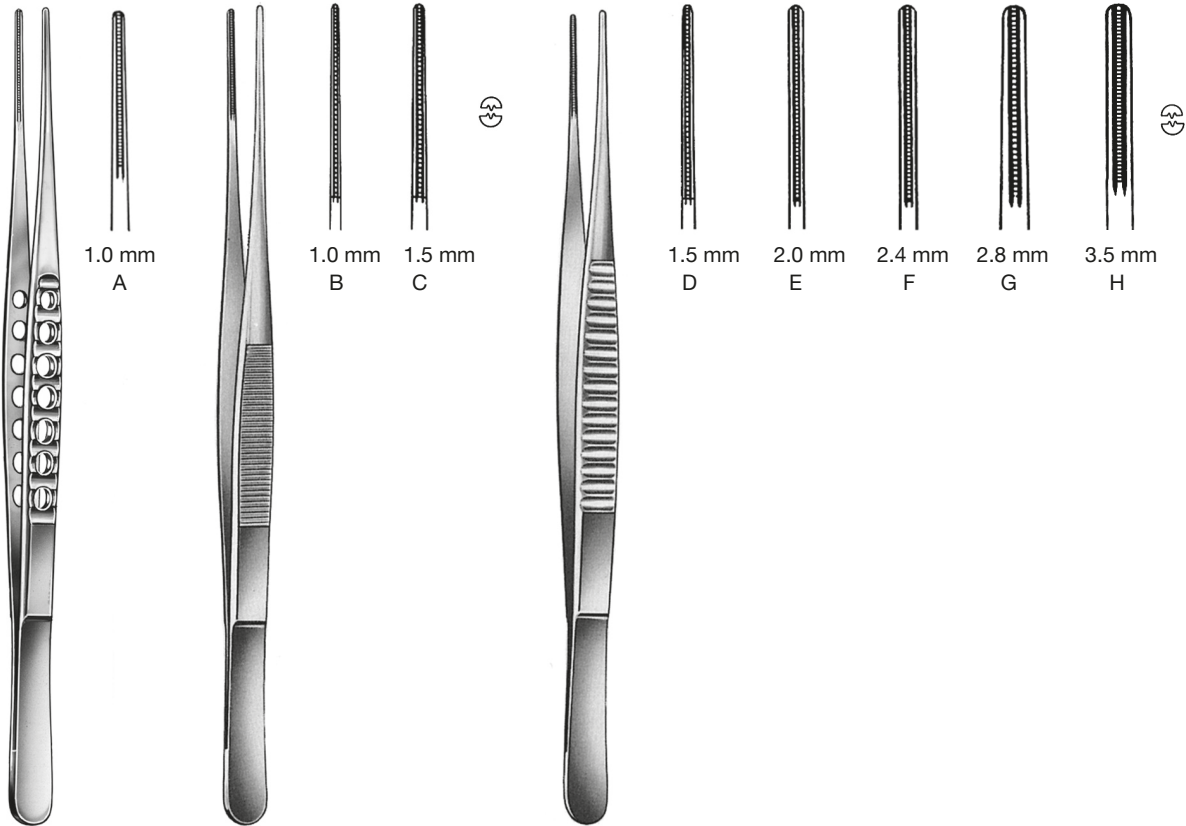


Atraumatic Tissue Forceps



Atraumatic Tissue Forceps

GEISTER®



Ultra-light with DeBakey Jaws

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

Diethrich with DeBakey Jaws

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

Tissue Forceps with DeBakey Jaws

Fig.	Length	jaw	Art.-No.
D	15.0 cm	1.5 mm	10-0106
D	19.5 cm	1.5 mm	10-0107
D	24.0 cm	1.5 mm	10-0108
D	30.0 cm	1.5 mm	10-0109
E	15.0 cm	2.0 mm	10-0110
E	19.5 cm	2.0 mm	10-0112
E	24.0 cm	2.0 mm	10-0114
F	15.0 cm	2.4 mm	10-0115.15
F	24.0 cm	2.4 mm	10-0115
E	30.0 cm	2.0 mm	10-0116
E	38.0 cm	2.0 mm	10-0118
G	15.0 cm	2.8 mm	10-0121
G	19.5 cm	2.8 mm	10-0123
G	24.0 cm	2.8 mm	10-0125
G	30.0 cm	2.8 mm	10-0127
G	38.0 cm	2.8 mm	10-0129
H	16.0 cm	3.5 mm	10-0131
H	20.0 cm	3.5 mm	10-0133
H	24.0 cm	3.5 mm	10-0135
H	30.0 cm	3.5 mm	10-0137

**Tissue Forceps****with DeBakey Jaws, straight**

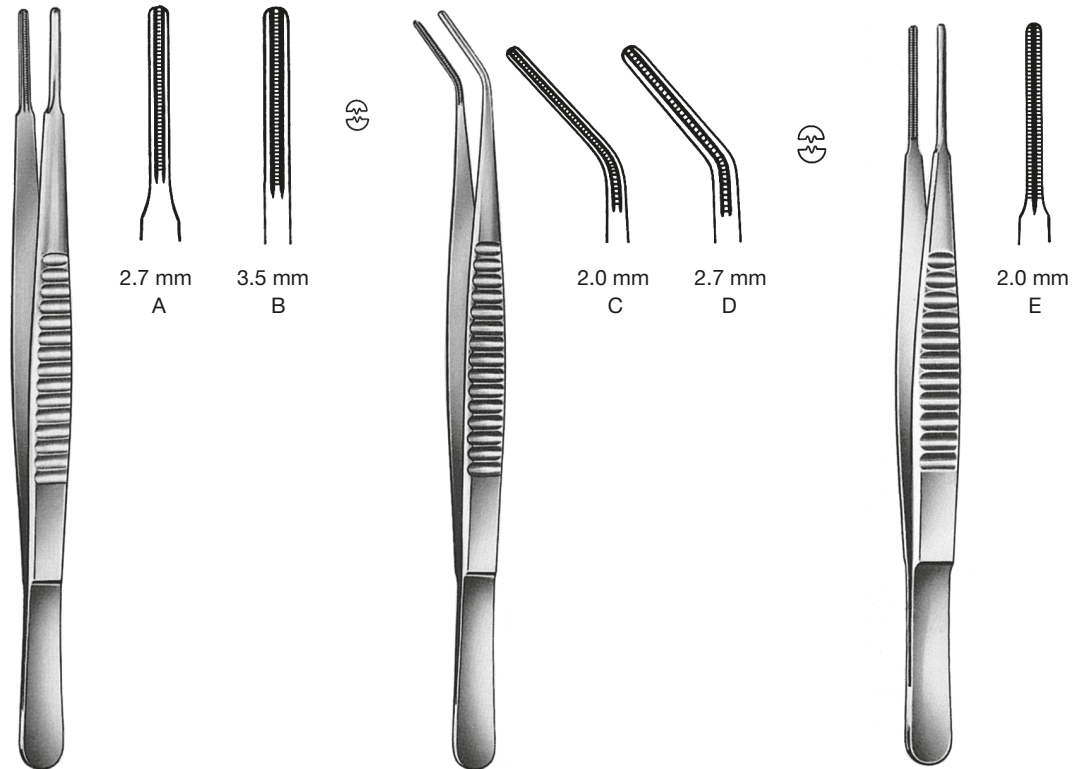
Fig.	Length	jaw	Art.-No.
A	15.0 cm	2.7 mm	10-0120
A	19.5 cm	2.7 mm	10-0122
A	24.0 cm	2.7 mm	10-0124
A	30.0 cm	2.7 mm	10-0126
A	38.0 cm	2.7 mm	10-0128
B	15.0 cm	3.5 mm	10-0130
B	19.5 cm	3.5 mm	10-0132
B	24.0 cm	3.5 mm </td <td>10-0134</td>	10-0134
B	30.0 cm	3.5 mm	10-0136
B	38.0 cm	3.5 mm	10-0138

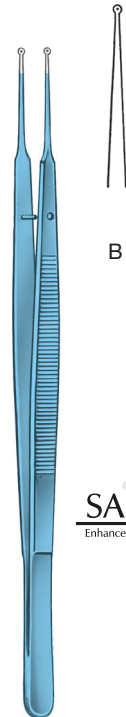
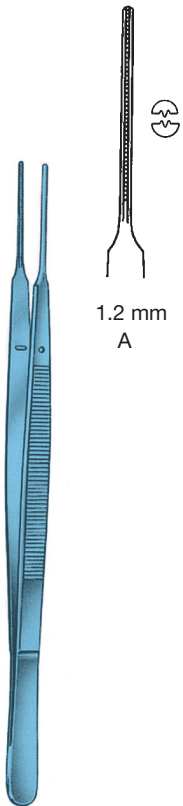
with DeBakey Jaws, angled

Fig.	Length	jaw	Art.-No.
C	15.0 cm	2.0 mm	10-0140
C	19.5 cm	2.0 mm	10-0142
C	24.0 cm	2.0 mm	10-0144
C	30.0 cm	2.0 mm	10-0146
D	15.0 cm	2.7 mm	10-0141
D	19.5 cm	2.7 mm	10-0143
D	24.0 cm	2.7 mm	10-0145
D	30.0 cm	2.7 mm	10-0148

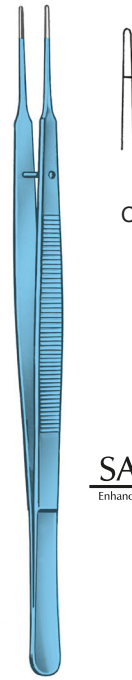
with Cooley Jaws

Fig.	Length	jaw	Art.-No.
E	15.0 cm	2.0 mm	10-0180
E	19.5 cm	2.0 mm	10-0182
E	24.0 cm	2.0 mm	10-0184





SAPPHIRE™
Enhanced Needle Grip Surface



SAPPHIRE™
Enhanced Needle Grip Surface

Gerald Titanium with DeBaakey Jaws

Fig.	Length	jaw	Art.-No.
A	18 cm/7"	1.2 mm	10-0350
A	20 cm/8"	1.2 mm	10-0351

Gerald Ring Titanium

Fig.	Length	jaw	Art.-No.
B	18 cm/7"	0.5 x 1.0 mm	10-0356
B	20 cm/8"	0.5 x 1.0 mm	10-0357

Gerald Tying Titanium

Fig.	Length	jaw	Art.-No.
C	18 cm/7"	1.0 mm	10-0360
C	20 cm/8"	1.0 mm	10-0361



Delicate Tissue Forceps

Gerald Ring

Fig.	Length	jaw	Art.-No.
A	18 cm/7"	0.5 x 1.0 mm	10-3300
A	20 cm/8"	0.5 x 1.0 mm	10-3300.20
B	18 cm/7"	0.5 x 1.0 mm	10-3301

Gerald Tying

Fig.	Length	jaw	teeth	Art.-No.
C	18 cm/7"	1.0 mm		10-3305
D	18 cm/7"	1.0 mm		10-3310
D	20 cm/8"	1.0 mm		10-3311
E	18 cm/7"	1.0 mm	1x2	10-3315
F	18 cm/7"	1.0 mm	1x2	10-3316

Gerald

Fig.	Length	jaw	Art.-No.
G	18 cm/7"	1.0 mm	10-3320



A



B



C



D

1 x 2
E1 x 2
Fserrated
G

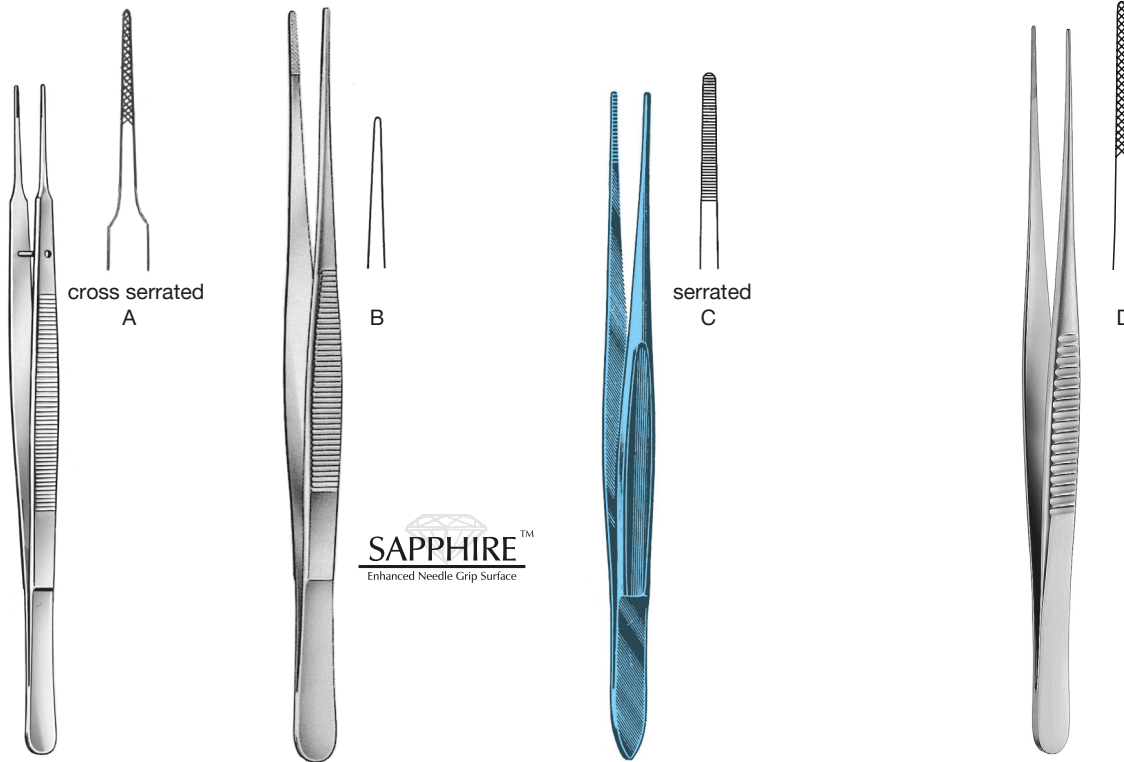
SAPPHIRE™
Enhanced Needle Grip Surface

SAPPHIRE™
Enhanced Needle Grip Surface

SAPPHIRE™
Enhanced Needle Grip Surface

Delicate Tissue Forceps

GEISTER®



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

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

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

with Cooley Jaws		
Fig.	Length	Art.-No.
D	20.5 cm / 8"	10-1560
D	20.5 cm / 8"	10-1560.TC

**Gerald with DeBakey Jaws**

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

*without pin

Adson with DeBakey Jaws

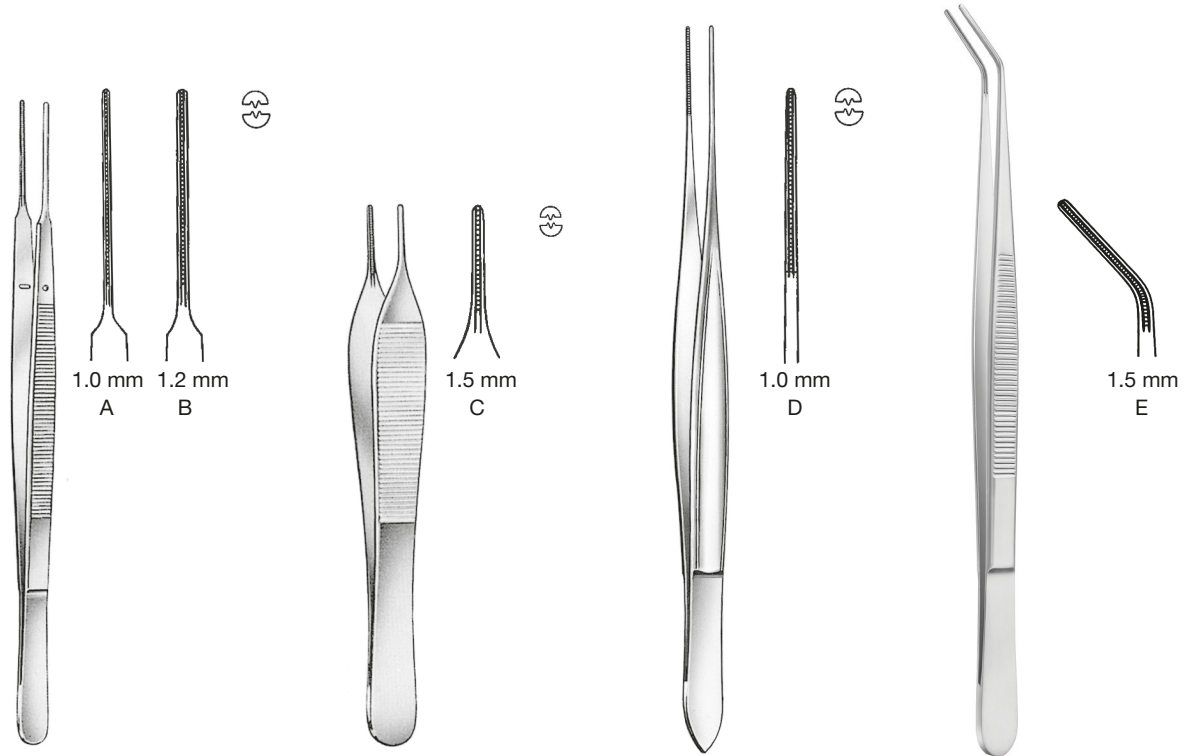
Fig.	Length	jaw	Art.-No.
C	12.5 cm/4½"	1.5 mm	10-0105

Cushing with DeBakey Jaws

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

Dietrich with DeBakey Jaws, angled

Fig.	Length	jaw	Art.-No.
E	15.0 cm/6"	1.5 mm	10-0150
E	19.5 cm/7½"	1.5 mm	10-0152
E	24.0 cm/9½"	1.5 mm	10-0154



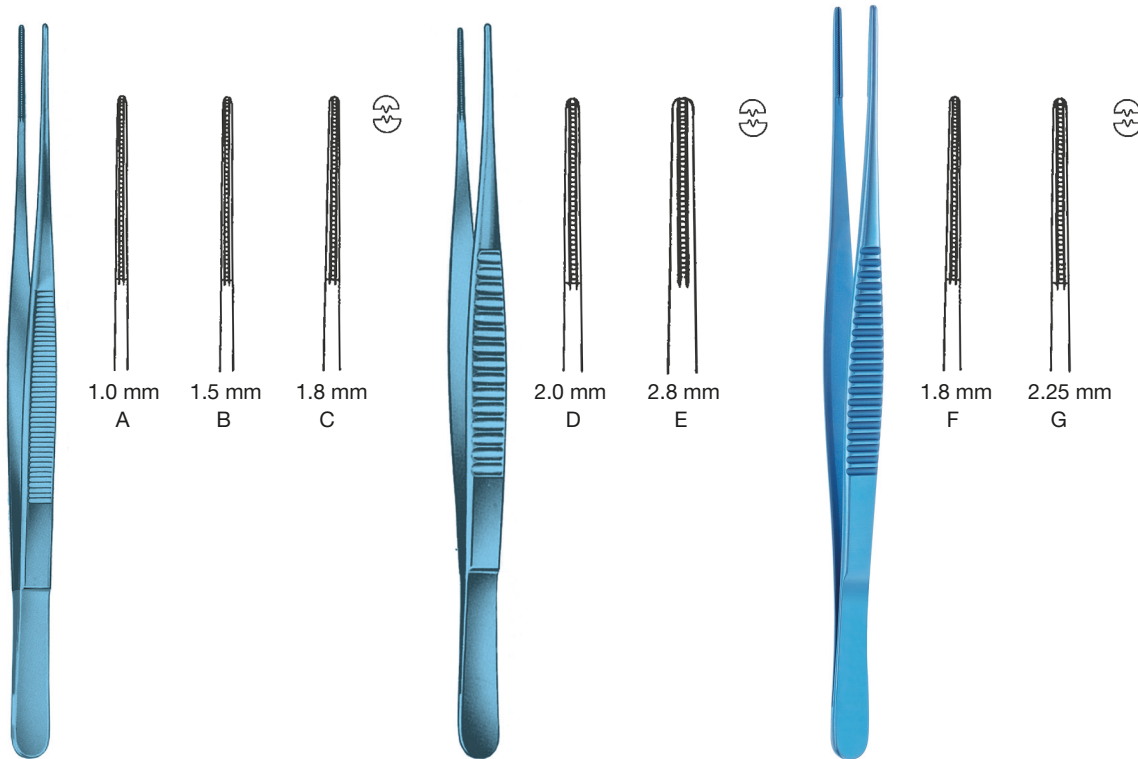
**Titanium Soft Touch with DeBakey Jaws**

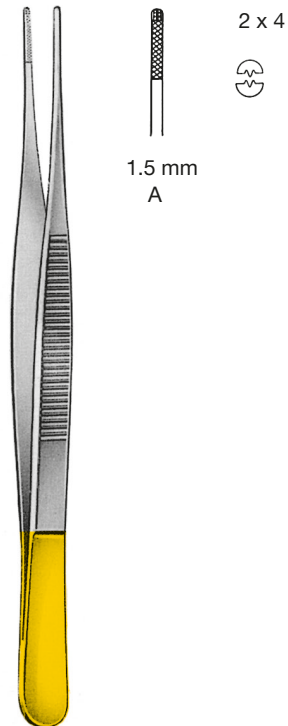
Fig.	Length	jaw	Art.-No.
A	15.0 cm/6"	1.0 mm	10-0315
A	19.5 cm/7 1/2"	1.0 mm	10-0316
A	24.0 cm/9 1/2"	1.0 mm	10-0317
B	15.0 cm/6"	1.5 mm	10-0320
B	19.5 cm/7 1/2"	1.5 mm	10-0322
B	24.0 cm/9 1/2"	1.5 mm	10-0324
C	15.0 cm/6"	1.8 mm	10-0330
C	19.5 cm/7 1/2"	1.8 mm	10-0332
C	24.0 cm/9 1/2"	1.8 mm	10-0334

Titanium Soft Touch with DeBakey Jaws

Fig.	Length	jaw	Art.-No.
D	15.0 cm/6"	2.0 mm	10-0336
D	19.5 cm/7 1/2"	2.0 mm	10-0337
D	24.0 cm/9 1/2"	2.0 mm	10-0338
E	15.0 cm/6"	2.8 mm	10-0340
E	19.5 cm/7 1/2"	2.8 mm	10-0341
E	24.0 cm/9 1/2"	2.8 mm	10-0342

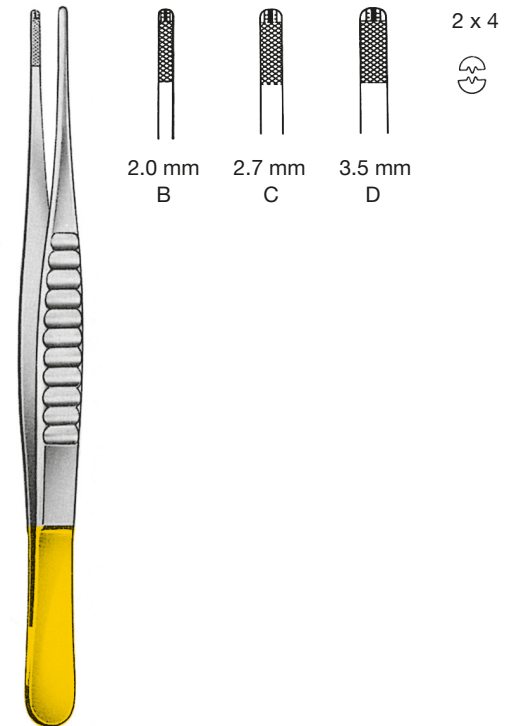
Liddicoat Titanium Soft Touch with DeBakey Jaws

Fig.	Length	jaw	Art.-No.
F	15.0 cm/6"	1.8 mm	10-0300
F	19.5 cm/7 1/2"	1.8 mm	10-0302
F	24.0 cm/9 1/2"	1.8 mm	10-0304
G	15.0 cm/6"	2.25 mm	10-0301
G	19.5 cm/7 1/2"	2.25 mm	10-0303
G	24.0 cm/9 1/2"	2.25 mm	10-0305



1.5 mm
A

2 x 4



2.0 mm
B

2.7 mm
C

3.5 mm
D

2 x 4



Needlepulling TC with DeBaakey Jaws

Fig.	Length	jaw	Art.-No.
A	15.0 cm/6"	1.5 mm	10-0610
A	19.5 cm/7½"	1.5 mm	10-0612
A	24.0 cm/9½"	1.5 mm	10-0614

Needlepulling TC with DeBaakey Jaws

Fig.	Length	jaw	Art.-No.
B	15.0 cm/6"	2.0 mm	10-0626
B	19.5 cm/7½"	2.0 mm	10-0627
B	24.0 cm/9½"	2.0 mm	10-0628
C	15.0 cm/6"	2.7 mm	10-0636
C	19.5 cm/7½"	2.7 mm	10-0637
C	24.0 cm/9½"	2.7 mm	10-0638
D	15.0 cm/6"	3.5 mm	10-0646
D	19.5 cm/7½"	3.5 mm	10-0647
D	24.0 cm/9½"	3.5 mm	10-0648

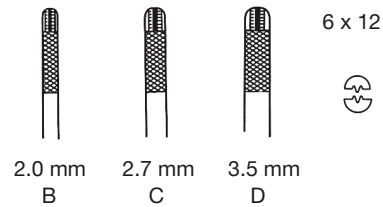
**Needlepulling TC with DeBakey Jaws**

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

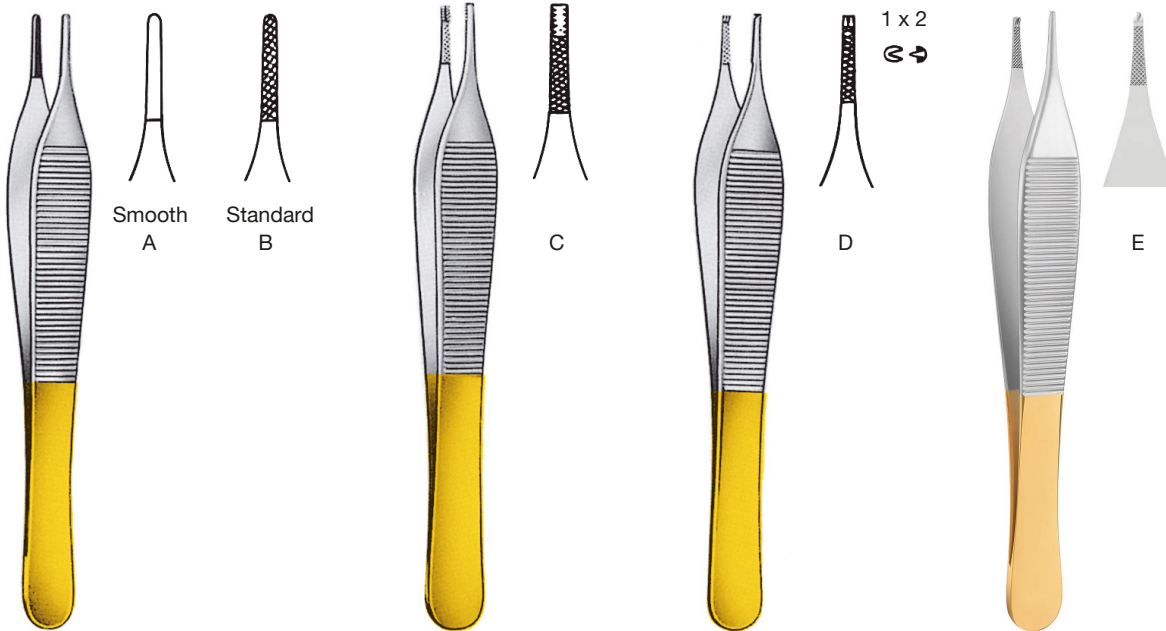
Needlepulling TC with DeBakey Jaws

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



Tissue Forceps





Adson TC			
Smooth			
Fig.	Length	Art.-No.	
A	12.0 cm	10-0501	
Standard			
Fig.	Length	Art.-No.	
B	12.0 cm	10-0500	
B	15.0 cm	10-0502	
Adson-Brown TC			
Fig.	Length	Art.-No.	
C	12.0 cm	10-0504	
C	15.0 cm	10-0505	
Adson TC			
Fig.	Length	jaw	Art.-No.
D	12.0 cm	1.7 mm	10-0550
D	15.0 cm	1.7 mm	10-0552
Micro-Adson TC			
Fig.	Length	jaw	Art.-No.
E	12.0 cm	1.0 mm	10-0551
E	15.0 cm	1.0 mm	10-0553

**Wangensteen TC**

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

McIndoe TC

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

Bayonet TC

Fig.	Length	Art.-No.
C	14.0 cm/5½"	10-0516
C	16.0 cm/6¼"	10-0517



A



B



C

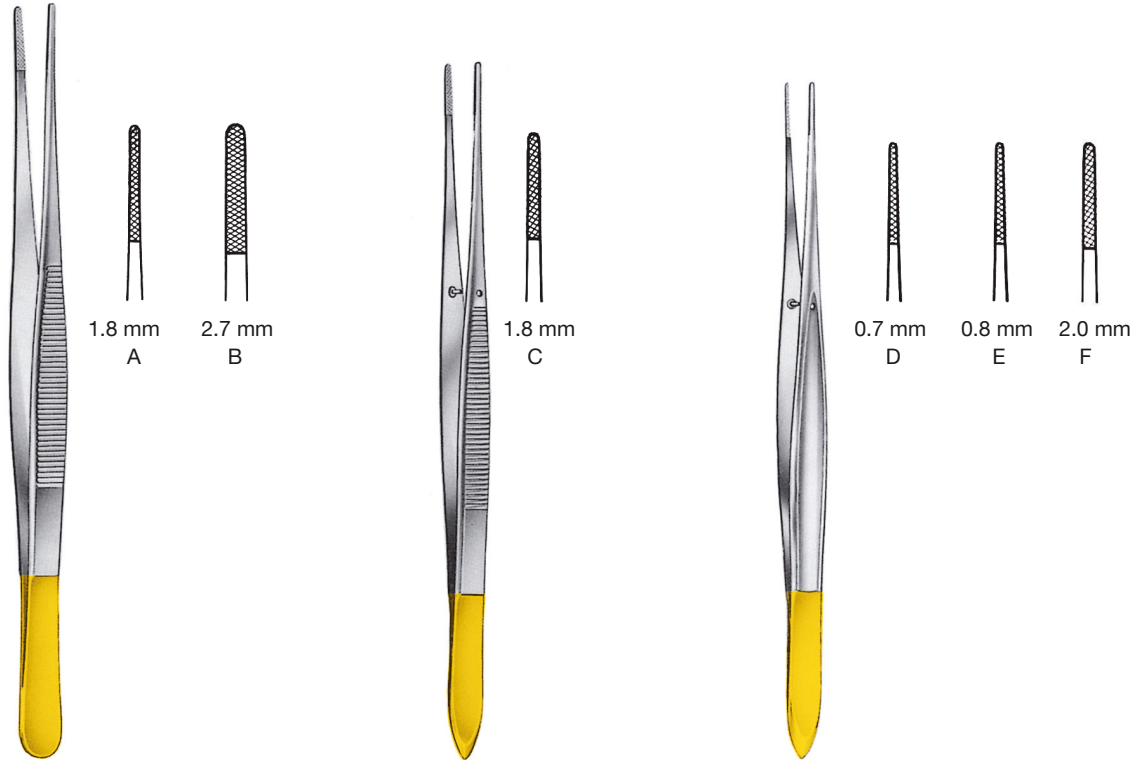
**Standard TC**

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

Potts-Smith TC with dissector

Fig.	Length	jaw	Art.-No.
C	18.0 cm	1.8 mm	10-0526
C	21.0 cm	1.8 mm	10-0527
C	23.0 cm	1.8 mm	10-0528
C	25.0 cm	1.8 mm	10-0529

Micro-Potts-Smith TC with dissector

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

Cushing TC with dissector, straight

Fig.	Length	jaw	Art.-No.
E	18.0 cm	0.8 mm	10-0513
F	18.0 cm	2.0 mm	10-0510

Angled

Fig.	Length	jaw	Art.-No.
F	18.0 cm	2.0 mm	10-0512
E	18.0 cm/7"	0.8 mm	10-0513.GB



Tissue Forceps with TC-Inserts

Oehler TC

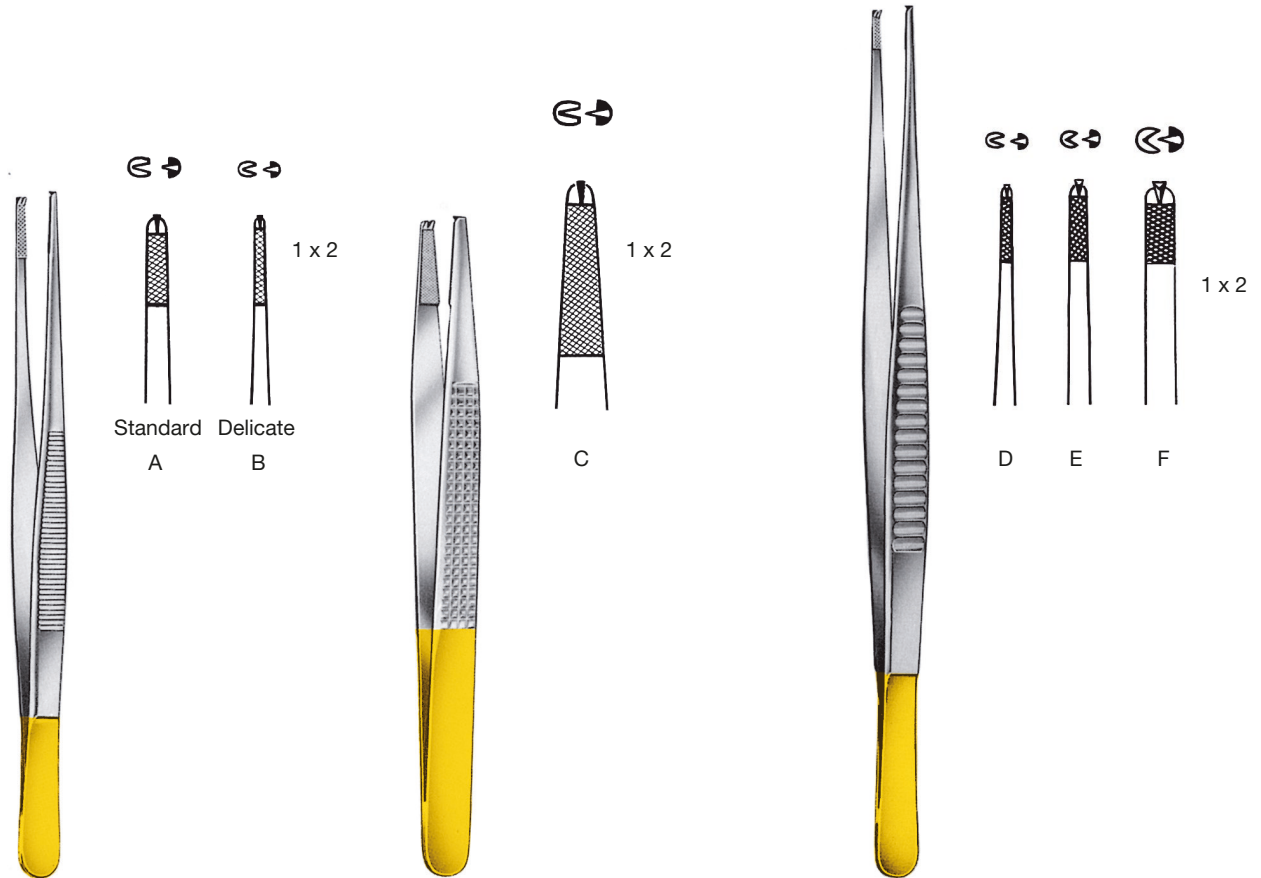
Fig.	Length	Art.-No.
A	14.5 cm	10-0560
A	16.0 cm	10-0561
A	18.0 cm	10-0562
A	20.0 cm	10-0563
A	25.0 cm	10-0564
Length	Art.-No.	
B	14.5 cm	10-0565
B	16.0 cm	10-0566
B	18.0 cm	10-0567
B	20.0 cm	10-0568
B	25.0 cm	10-0569

Bonney TC (Mod. Baker)

Fig.	Length	Art.-No.
C	17.0 cm	10-0585

Skinner TC

Fig.	Length	Size	Art.-No.
D	23.0 cm	S	10-0580
E	23.0 cm	M	10-0581
F	23.0 cm	L	10-0582



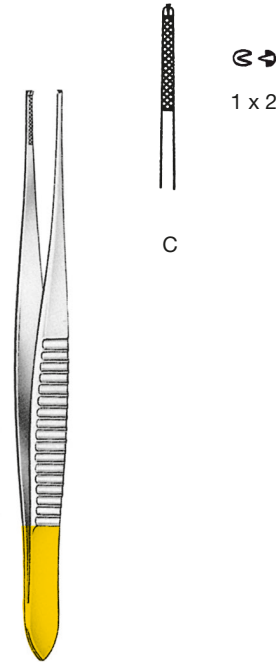
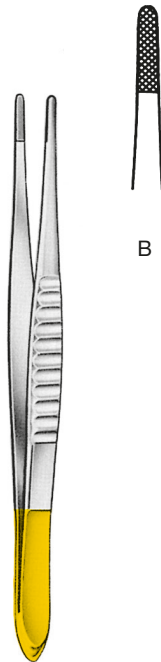
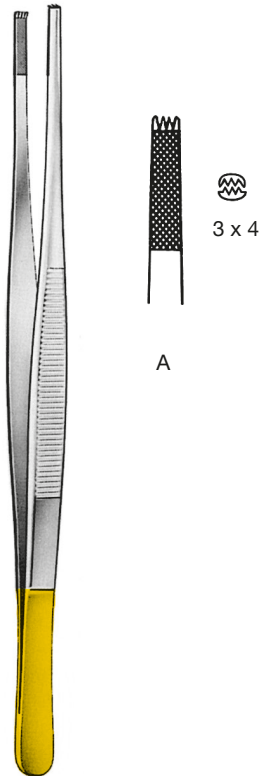
**Williams TC**

Fig.	Length	Art.-No.
A	20.0 cm/8"	10-0583

Mod. USA TC

Fig.	Length	Art.-No.
B	15.0 cm/6"	10-0514

Gillies TC

Fig.	Length	Art.-No.
C	15.0 cm/6"	10-0575



Tissue Forceps with TC-Inserts

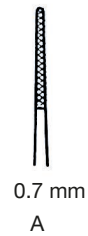
**Micro-Gerald TC**

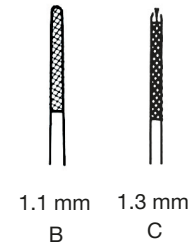
Fig.	Length	jaw	Art.-No.
A	18.0 cm/7"	0.7 mm	10-0519

Gerald TC

Fig.	Length	jaw	Art.-No.
B	18.0 cm/7"	1.1 mm	10-0518
C	18.0 cm/7"	1.3 mm	10-0570

Evans TC

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



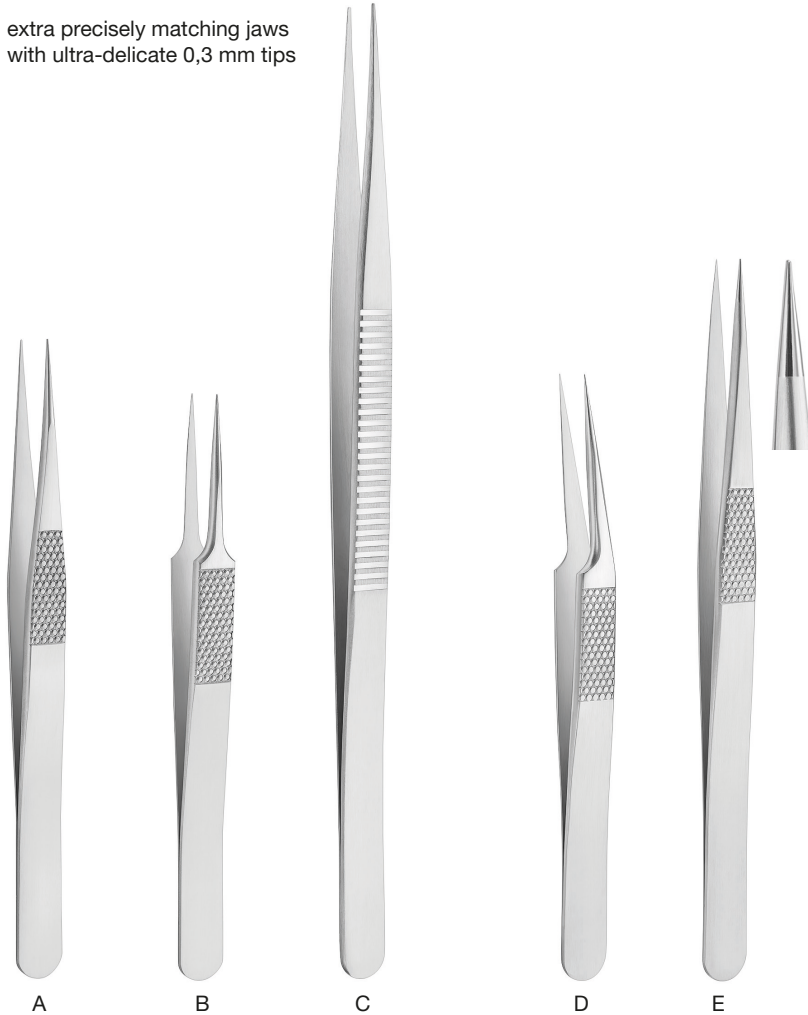
↺ ↻
1 x 2



Grasping Forceps and Dilator's

GEISTER®

extra precisely matching jaws
with ultra-delicate 0,3 mm tips



SAPPHIRE™
Enhanced Needle Grip Surface

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

Micro Jeweller's

Art-No.	Fig.	Length
10-3203 (*)	A	120 mm/4¾"
10-3204 (*)		135 mm/5¼"
10-3205 (*)	B	110 mm/4¼"
10-3213 (*)	C	180 mm/7"

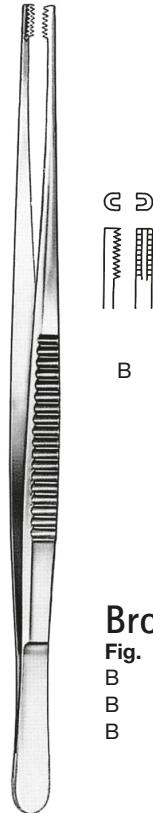
Dilator's

Art-No.	Fig.	Length	jaw	Width	
10-3200 (*)	D	110 mm/4¼"	0.2 mm	9 mm	with 10° angled dilation tips
10-3211		110 mm/4¼"	0.1 mm	8 mm	with 10° angled dilation tips
10-3212	E	135 mm/5¼"	0.3 mm	7 mm	straight
10-3218		135 mm/5¼"	0.3 mm	9 mm	straight
10-3219		135 mm/5¼"	0.2 mm	9 mm	straight



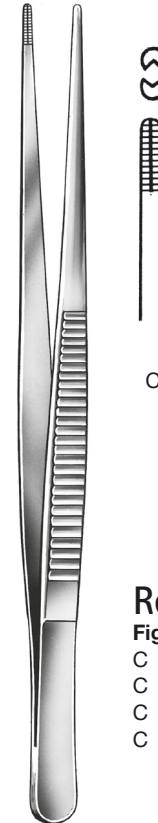
Adson-Brown

Fig.	Art.-No.	Length
A	10-1835	12.0 cm



Brown

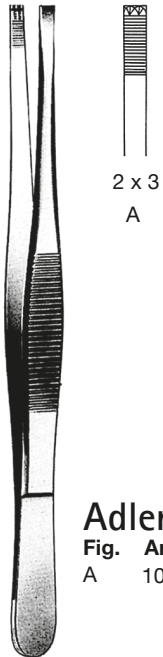
Fig.	Art.-No.	Length
B	10-1841	15 cm/6"
B	10-1842	20 cm/8"
B	10-1843	25 cm/10"



Resano

Fig.	Art.-No.	Length
C	10-0250	18 cm/7"
C	10-0252	23 cm/9"
C	10-0252.TI	23 cm/9"
C	10-0254	25 cm/10"

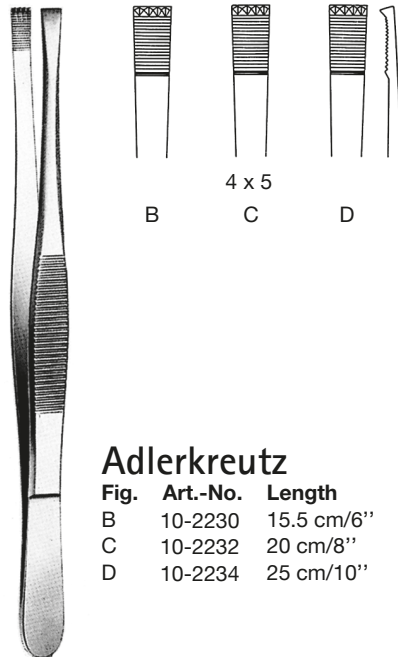
Titanium



2 x 3
A

Adlerkreutz

Fig.	Art.-No.	Length
A	10-2231	16 cm/6¼"



B C D

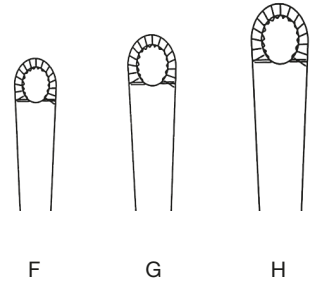
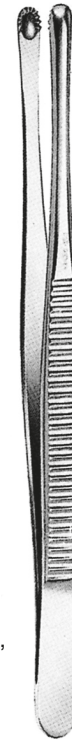
Adlerkreutz

Fig.	Art.-No.	Length
B	10-2230	15.5 cm/6"
C	10-2232	20 cm/8"
D	10-2234	25 cm/10"



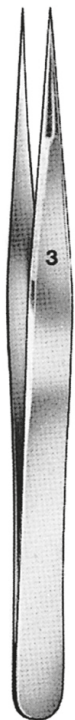
Mayo-Russian

Fig.	Art.-No.	Length
E	10-1875	23 cm/9"



Russian

Fig.	Art.-No.	Length
F	10-1870	15 cm/6"
G	10-1871	20 cm/8"
H	10-1872	25 cm/10"

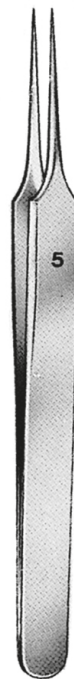


Jeweller's

No. 3
Art.-No. Length
10-3103 11 cm



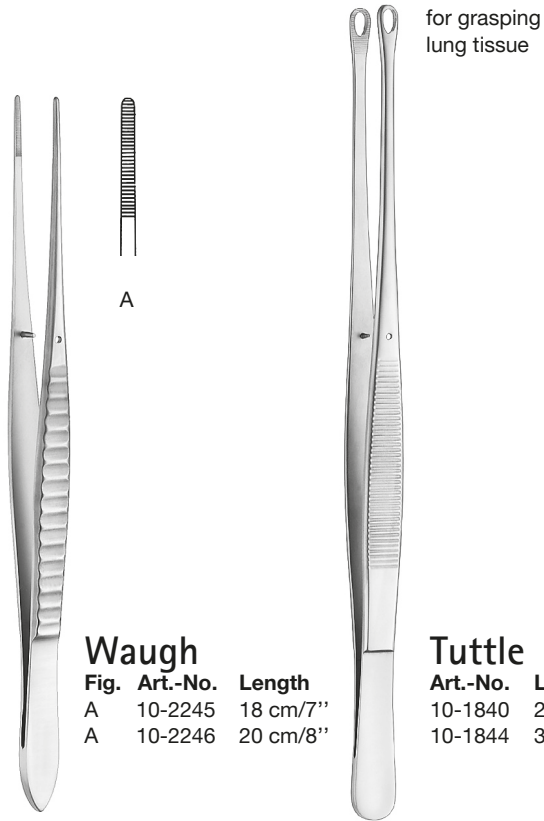
No. 4
Art.-No. Length
10-3104 11 cm



No. 5
Art.-No. Length
10-3105 11 cm



No. 7
Art.-No. Length
10-3107 11 cm

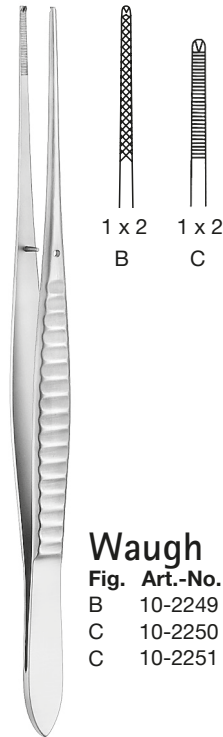


Waugh

Fig.	Art.-No.	Length
A	10-2245	18 cm/7"
A	10-2246	20 cm/8"

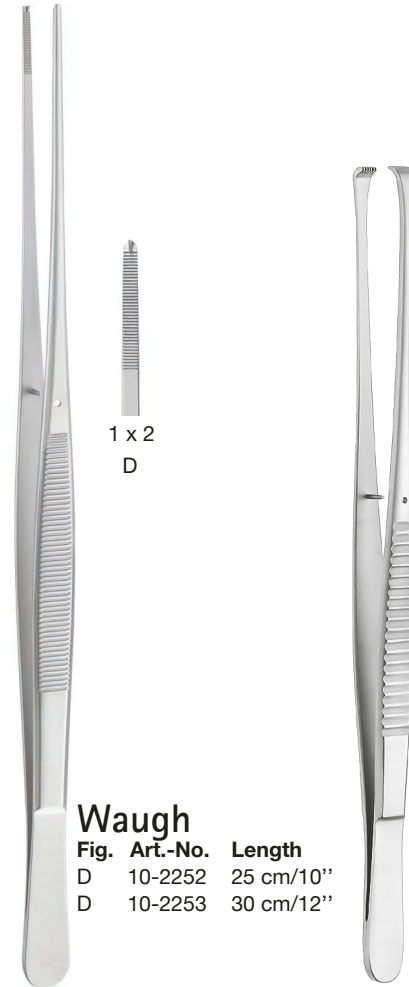
Tuttle

Art.-No.	Length
10-1840	23 cm/9"
10-1844	30 cm/12"



Waugh

Fig.	Art.-No.	Length
B	10-2249	15 cm/6"
C	10-2250	18 cm/7"
C	10-2251	20 cm/8"



Waugh

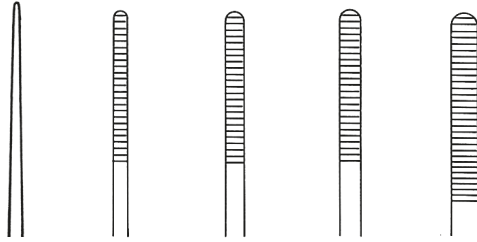
Fig.	Art.-No.	Length
D	10-2252	25 cm/10"
D	10-2253	30 cm/12"

Lung

Art.-No.	Length
10-1879	23 cm/9"

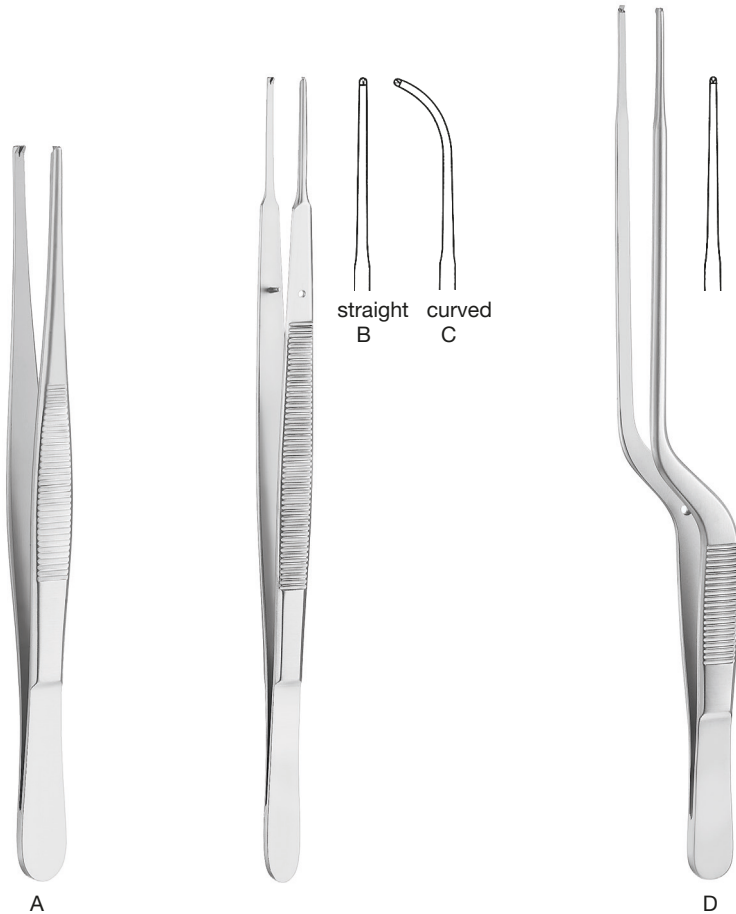


Dressing Forceps



	Length cm/''	pointed smooth	delicate	medium	slender	regular
Fig. Standard						
A	10.5/4				10-2020	10-2000
A	11.5/4½		10-2045		10-2022	10-2002
A	13.0/5		10-2046		10-2024	10-2004
A	14.5/5½		10-2047	10-2041	10-2026	10-2006
A	16.0/6¼				10-2028	10-2008
A	18.0/7				10-2030	10-2010
A	20.0/8	10-3002			10-2032	10-2012
A	23.0/9				10-2034	10-2014
A	25.0/10				10-2036	10-2016
A	30.0/12				10-2038	10-2018
Fig. Adson						
B	10-1740	12 cm				
B	10-1742	15 cm				
Fig. Micro-Adson						
C	10-1741	12 cm				
C	10-1743	15 cm				
Fig. Cushing						
D	10-1910	17.5 cm, straight				
D	10-1910.TI	17.5 cm, straight, Titanium				
D	10-1911	17.5 cm, curved				





	Length	delicate	slender	regular	wide
Fig. Standard 1 x 2					
A	10,5 cm			10-2100	
A	11.5 cm	10-2130	10-2122	10-2102	
A	13.0 cm	10-2131	10-2124	10-2104	10-2140
A	14.5 cm	10-2132	10-2126	10-2106	10-2142
A	16.0 cm		10-2128	10-2108	10-2144
A	18.0 cm			10-2110	10-2146
A	20.0 cm			10-2112	10-2148
A	23.0 cm			10-2114	
A	25.0 cm			10-2116	
A	30.0 cm			10-2118	
Gerald 1 x 2					
Fig.	Art.-No.	Length			
B	10-2200	18 cm	straight		
C	10-2201	18 cm	curved		
B	10-1551	23.5 cm	straight		
Gerald Bayonet 1 x 2					
Fig.	Art.-No.	Length			
D	10-2202	18 cm			



Dressing Forceps

Semken

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

McIndoe

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

Gillies

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

Gerald

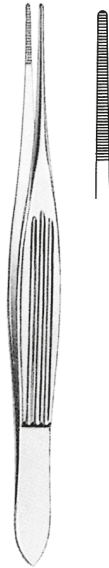
Fig.	Art.-No.	Length
D	10-1900	18.0 cm, straight
D	10-1901	18.0 cm, curved
D	10-1550	24.0 cm, straight

Gerald Bayonet

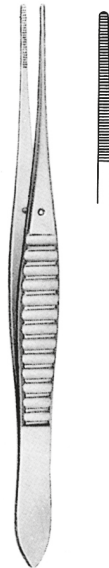
Fig.	Art.-No.	Length
E	10-1902	19.5 cm, straight



A



B



C



D



E

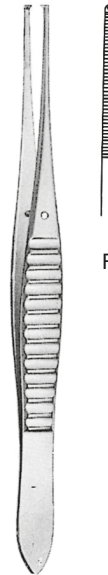
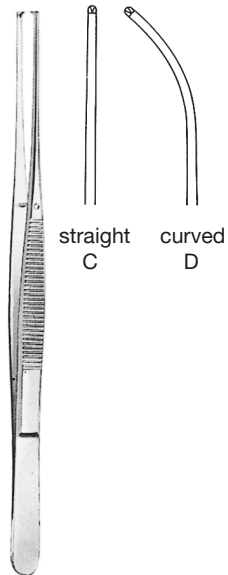
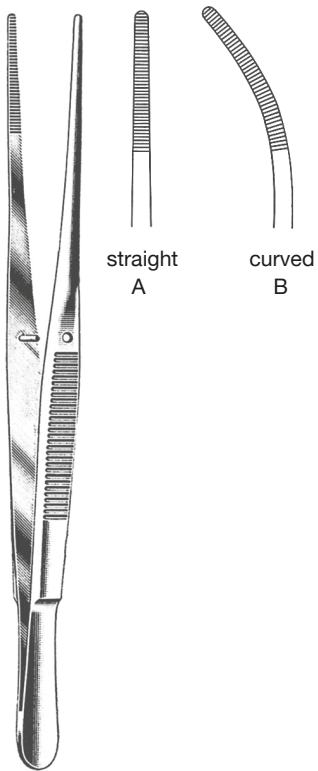
**Brophy (Steinbach)**

Fig.	Art.-No.	Length	
A	10-1915	20 cm/8"	straight
B	10-1916	20 cm/8"	curved

Semken 1 x 2

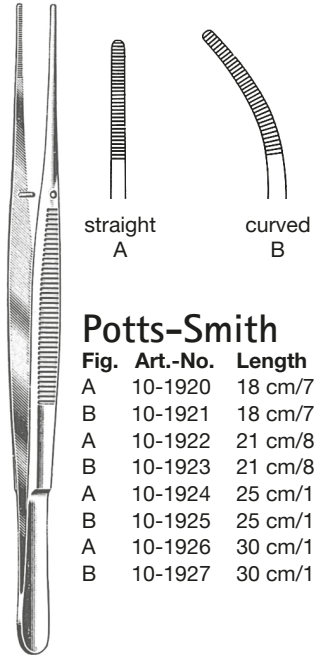
Fig.	Art.-No.	Length	
C	10-2170	13 cm/5"	straight
D	10-2171	13 cm/5"	curved
C	10-2172	15.5 cm/6¼"	straight
D	10-2173	15.5 cm/6¼"	curved

McIndoe 1 x 2

Fig.	Art.-No.	Length
E	10-2190	15 cm/6"

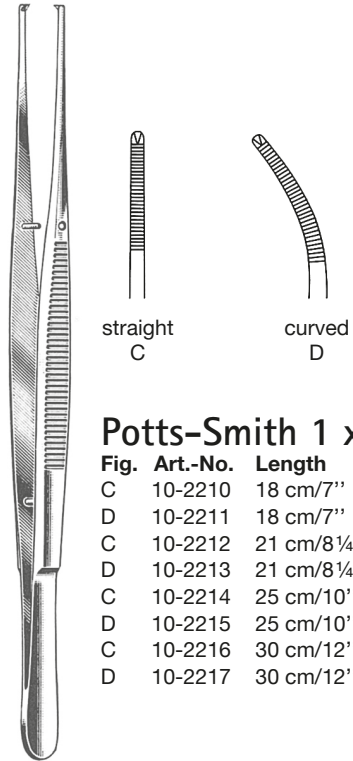
Gillies 1 x 2

Fig.	Art.-No.	Length
F	10-2195	15 cm/6"



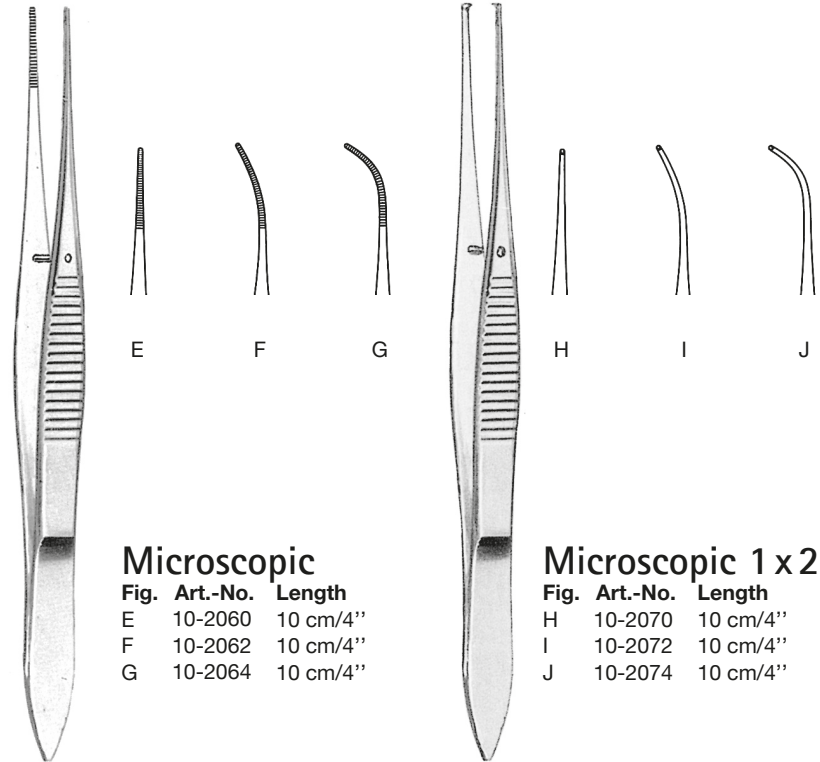
Potts-Smith

Fig.	Art.-No.	Length
A	10-1920	18 cm/7"
B	10-1921	18 cm/7"
A	10-1922	21 cm/8¼"
B	10-1923	21 cm/8¼"
A	10-1924	25 cm/10"
B	10-1925	25 cm/10"
A	10-1926	30 cm/12"
B	10-1927	30 cm/12"



Potts-Smith 1 x 2

Fig.	Art.-No.	Length
C	10-2210	18 cm/7"
D	10-2211	18 cm/7"
C	10-2212	21 cm/8¼"
D	10-2213	21 cm/8¼"
C	10-2214	25 cm/10"
D	10-2215	25 cm/10"
C	10-2216	30 cm/12"
D	10-2217	30 cm/12"

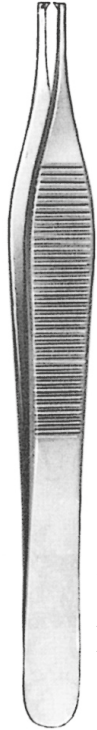


Microscopic

Fig.	Art.-No.	Length
E	10-2060	10 cm/4"
F	10-2062	10 cm/4"
G	10-2064	10 cm/4"

Microscopic 1 x 2

Fig.	Art.-No.	Length
H	10-2070	10 cm/4"
I	10-2072	10 cm/4"
J	10-2074	10 cm/4"



A

Adson 1 x 2

Fig.	Art.-No.	Length
A	10-1832	12 cm
A	10-1838	15 cm



B

**Adson 1 x 2
serrated**

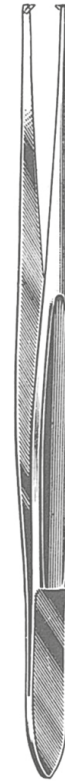
Fig.	Art.-No.	Length
B	10-1831	12 cm
B	10-1837	15 cm



C

Micro-Adson 1 x 2

Fig.	Art.-No.	Length
C	10-1833	12 cm
C	10-1839	15 cm



straight
D



curved
E

Cushing 1 x 2

Fig.	Art.-No.	Length
D	10-2220	17.5 cm/6½"
E	10-2221	17.5 cm/6½"



10-1750



10-1751

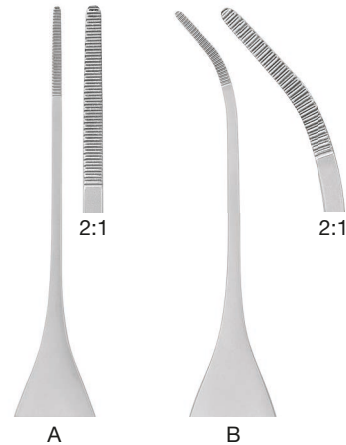


10-1834



10-1752





Broli-Adson

Fig.	Art.-No.	Length mm	Jaw mm
A	10-1750	150	1,2

curved

Fig.	Art.-No.	Length mm	Jaw mm
B	10-1752	150	1,2



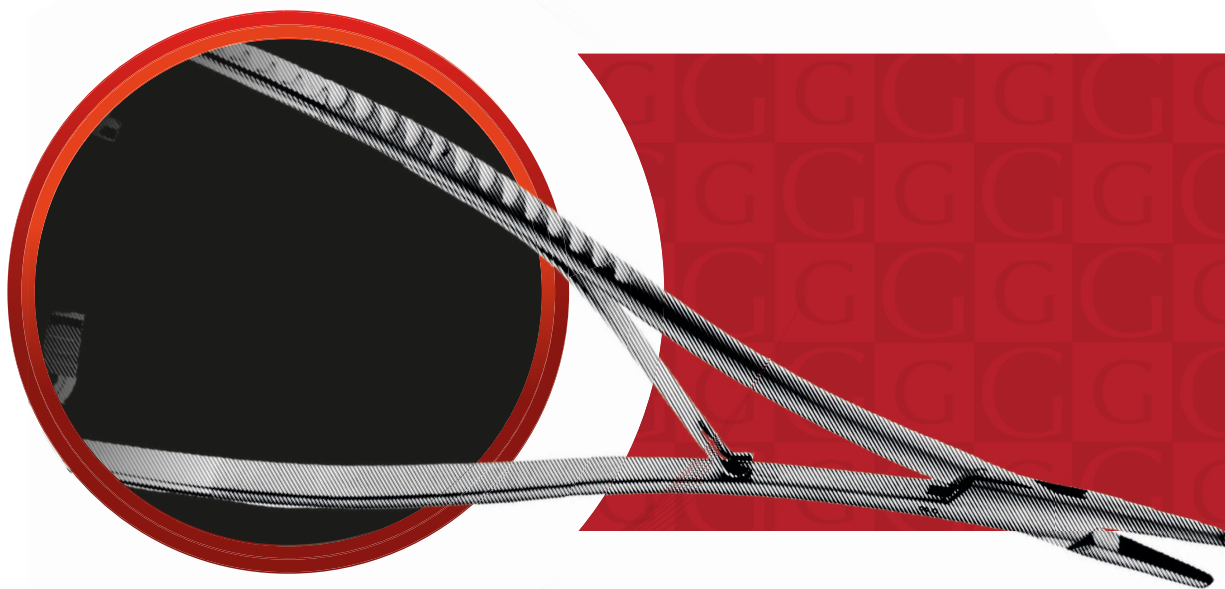
Broli-Adson 1x2

Fig.	Art.-No.	Length mm	Jaw mm
C	10-1751	150	1,2

curved

Fig.	Art.-No.	Length mm	Jaw mm
D	10-1834	150	1,2

* bold = shown



Needle Holders | Wire Twisters and Pliers





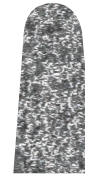
Needle Holders with TC-Inserts





TC-Insert Styles

Serration pitch



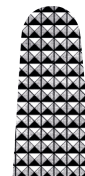
(S) **SAPPHIRE™**
Enhanced Needle Grip Surface



(S) **Smooth**
0 teeth PSI



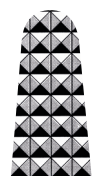
(M) **Micro**
16000 teeth PSI
0.2 – 0.3 mm



(F) **Fine**
4000 teeth PSI
0.4 mm



(N) **Standard**
2600 teeth PSI
0.5 mm



(C) **Coarse**
1500 teeth PSI
0.65 mm



Needle Holders



24-0360

24-0132

24-0350

24-0311

DeBakey-type

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0360	180 / 7	ⓕ 1,5 mm
A	24-0361	200 / 8	ⓕ 1,5 mm
A	24-0362	230 / 9	ⓕ 1,5 mm
A	24-0363	260 / 10 ¼	ⓕ 1,5 mm
A	24-0364	300 / 11 ¾	ⓕ 1,5 mm



A

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0360.TI	180 / 7	ⓕ 1,5 mm
A	24-0361.TI	200 / 8	ⓕ 1,5 mm
A	24-0363.TI	250 / 10	ⓕ 1,9 mm



C

Micro

(DeBakey delicate)

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0350	150 / 6	Ⓜ 1,2 mm
B	24-0351	180 / 7	Ⓜ 1,2 mm
B	24-0352	200 / 8	Ⓜ 1,2 mm
B	24-0353	230 / 9	Ⓜ 1,2 mm



B

* bold = shown

Mayo-Hegar

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0129	140 / 5 ½	Ⓝ 2,0 mm
C	24-0130	160 / 6 ¼	Ⓝ 2,5 mm
C	24-0131	180 / 7	Ⓝ 2,7 mm
C	24-0132	200 / 8	Ⓝ 2,7 mm
C	24-0133	240 / 9 ½	Ⓝ 2,7 mm
C	24-0134	260 / 10 ¼	Ⓝ 2,7 mm
C	24-0135	300 / 11 ¾	Ⓝ 2,7 mm

Titanium

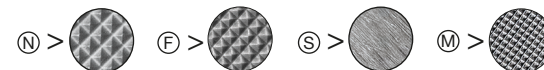
Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0130.TI	160 / 6 ¼	Ⓝ 2,5 mm
C	24-0131.TI	180 / 7	Ⓝ 2,7 mm
C	24-0132.TI	200 / 8	Ⓝ 2,7 mm

Crile-Wood

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0310	150 / 6	ⓕ 2,0 mm
D	24-0311	180 / 7	ⓕ 2,0 mm
D	24-0312	200 / 8	ⓕ 2,0 mm
D	24-0313	230 / 9	ⓕ 2,0 mm
D	24-0314	260 / 10 ¼	ⓕ 2,0 mm
D	24-0315	300 / 11 ¾	ⓕ 2,0 mm
D	24-0308	150 / 6	Ⓢ 1,7 mm



D





Needle Holders



24-0331

24-0510

24-0501

24-0500

24-0536



Bavaria

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0510	230 / 9	Ⓝ 2,1 mm
A	24-0512	260 / 10 ¼	Ⓝ 2,1 mm

Ideally for larger needles and procedures demanding superior needle control.



Sarot

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0331	180 / 7	ⓕ 1,9 mm
B	24-0332	200 / 8	ⓕ 1,9 mm
B	24-0333	230 / 9	ⓕ 1,9 mm
B	24-0334	260 / 10 ¼	ⓕ 1,9 mm

* **bold** = shown



Geister

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0496	130 / 5	ⓓ 1,2 mm
C	24-0498	165 / 6 ½	ⓓ 1,2 mm
C	24-0500	180 / 7	ⓓ 1,2 mm
C	24-0502	200 / 8	ⓓ 1,2 mm
C	24-0504	230 / 9	ⓓ 1,2 mm
C	24-0506	250 / 10	ⓓ 1,2 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0530	125 / 5	ⓓ 1,2 mm
C	24-0532	145 / 5 ¾	ⓓ 1,2 mm
C	24-0534	175 / 7	ⓓ 1,2 mm
C	24-0536	200 / 8	ⓓ 1,2 mm
C	24-0538	225 / 8 ¾	ⓓ 1,2 mm

For a secure but gentle grip of needles and sutures without damage.



Geister-Ryder

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0497	130 / 5	ⓓ 1,2 mm
D	24-0499	170 / 6 ¾	ⓓ 1,2 mm
D	24-0501	180 / 7	ⓓ 1,2 mm
D	24-0503	190 / 7 ½	ⓓ 1,2 mm
D	24-0505	230 / 9	ⓓ 1,2 mm
D	24-0507	250 / 10	ⓓ 1,2 mm

SAPPHIRE™
Enhanced Needle Grip Surface



Ⓝ >



ⓕ >





Needle Holders



24-0343

24-0348

24-0401

24-0322

24-0414

24-0446



French Eye (Ryder) delicate

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0346	130 / 5	ⓕ 1,7 mm
A	24-0348	130 / 5	Ⓢ 1,7 mm
A	24-0347	150 / 6	ⓕ 1,7 mm
A	24-0349	150 / 6	Ⓢ 1,7 mm



French-Eye (Ryder)

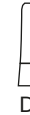
Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0341	160 / 6 ¼	ⓕ 2,1 mm
B	24-0342	180 / 7	ⓕ 2,1 mm
B	24-0343	200 / 8	ⓕ 2,1 mm
B	24-0344	240 / 9 ½	ⓕ 2,1 mm
B	24-0345	260 / 10 ¼	ⓕ 2,1 mm

Mini-Ryder

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0410	130 / 5	Ⓜ 1,2 mm
C	24-0412	150 / 6	Ⓜ 1,2 mm
C	24-0413	180 / 7	Ⓜ 1,2 mm
C	24-0414	200 / 8	Ⓜ 1,2 mm
C	24-0415	230 / 9	Ⓜ 1,2 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0410.TI	130 / 5	Ⓢ 1,2 mm
C	24-0412.TI	160 / 6 ¼	Ⓢ 1,8 mm
C	24-0413.TI	180 / 7	Ⓢ 1,8 mm
C	24-0414.TI	200 / 8	Ⓢ 1,8 mm



Lemmon

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0400	145 / 5 ¾	Ⓜ 1,6 mm
D	24-0401	170 / 6 ¾	Ⓜ 1,6 mm
D	24-0402	195 / 7 ¾	Ⓜ 1,6 mm



Eufrate-Pasqué

Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0444	140 / 5 ½	Ⓜ 1,2 mm
E	24-0445	150 / 6	Ⓜ 1,2 mm
E	24-0446	180 / 7	Ⓜ 1,2 mm
E	24-0447	200 / 8	Ⓜ 1,2 mm
E	24-0439	140 / 5 ½	Ⓢ 1,2 mm
E	24-0440	150 / 6	Ⓢ 1,2 mm
E	24-0441	180 / 7	Ⓢ 1,2 mm
E	24-0442	200 / 8	Ⓢ 1,2 mm



Ryder

Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0322	180 / 7	ⓕ 1,7 mm
F	24-0323	200 / 8	ⓕ 1,7 mm
F	24-0324	230 / 9	ⓕ 1,7 mm
F	24-0325	260 / 10 ¼	ⓕ 1,7 mm

* bold = shown

SAPPHIRE™
Enhanced Needle Grip Surface



Ⓝ



ⓕ



Ⓜ





Needle Holders



24-0255

24-0258

24-0228

03-0270

24-1141



Gianni Heavy

with ratchet

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0258	260 / 10 ¼	ⓔ 1,9 mm



Gianni

with ratchet

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0255	240 / 9 ½	Ⓜ 1,3 mm

Castroviejo / Hepp-Scheidel

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0250	130 / 5	Ⓢ 1,2 mm
C	24-0252	130 / 5	Ⓜ 1,2 mm
C	03-0270	180 / 7	Ⓜ 1,2 mm

Diethrich Ryder

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0420	150 / 6	Ⓜ 1,2 mm
D	24-0421	180 / 7	Ⓜ 1,2 mm
D	24-0422	200 / 8	Ⓜ 1,2 mm
D	24-0423	230 / 9	Ⓜ 1,2 mm
D	24-0424	250 / 10	Ⓜ 1,4 mm

Fairgrip™ ultra

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-1140	180 / 7	Ⓜ 1,2 mm
E	24-1150	210 / 8 ¼	Ⓜ 1,2 mm
E	24-1160	230 / 9	Ⓜ 1,2 mm
F	24-1141	180 / 7	Ⓜ 1,2 mm
F	24-1151	210 / 8 ¼	Ⓜ 1,2 mm
F	24-1161	230 / 9	Ⓜ 1,2 mm

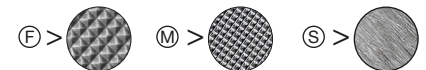
Castroviejo

with ratchet



Fig.	Art.-No.	length mm / "	Insert / Tip
G	24-0200	145 / 5 ¾	Ⓢ 1,2 mm
G	24-0220	145 / 5 ¾	Ⓜ 1,2 mm
H	24-0201	145 / 5 ¾	Ⓢ 1,2 mm
H	24-0221	145 / 5 ¾	Ⓜ 1,2 mm
G	24-0204	180 / 7	Ⓢ 1,2 mm
G	24-0224	180 / 7	Ⓜ 1,2 mm
H	24-0205	180 / 7	Ⓢ 1,2 mm
H	24-0225	180 / 7	Ⓜ 1,2 mm
G	24-0208	220 / 8 ¾	Ⓢ 1,2 mm
G	24-0228	220 / 8 ¾	Ⓜ 1,2 mm
H	24-0209	220 / 8 ¾	Ⓢ 1,2 mm
H	24-0229	220 / 8 ¾	Ⓜ 1,2 mm

* bold = shown



24-0423



Needle Holders

24-0830



24-0379



24-0763



24-0150



24-0764





A

Hegar

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0150	200 / 8	Ⓔ 3,5 mm



B

Crile-Wood

with extended ring

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0762	200 / 8	Ⓔ 2,0 mm
B	24-0764	220 / 8 ¾	Ⓔ 2,0 mm
B	24-0766	240 / 9 ½	Ⓔ 2,0 mm



C

Masson

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0830	265 / 10 ½	Ⓔ 3,2 mm



D

Wangenstein

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0379	270 / 10 ½	Ⓔ 2,4 mm



E

Mod. DeBakey-type

with extended ring

Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0761	170 / 6 ¾	Ⓔ 1,7 mm
E	24-0763	200 / 8	Ⓔ 1,7 mm
E	24-0767	250 / 10	Ⓔ 1,7 mm

* bold = shown





24-0158

24-0318

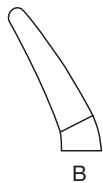
24-0146

24-0148



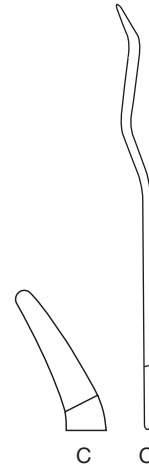
Heaney

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0145	210 / 8 ¼	ⓕ 2,6 mm
A	24-0146	240 / 9 ½	ⓕ 2,6 mm
A	24-0147	270 / 10 ½	ⓕ 2,6 mm



Finochietto

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0148	210 / 8 ¼	ⓕ 2,5 mm
B	24-0149	270 / 10 ½	ⓕ 2,5 mm



Bozemann-Finochietto

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0158	200 / 8	ⓕ 2,5 mm
C	24-0159	270 / 10 ½	ⓕ 2,5 mm

Crile-Wood

curved



Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0306	130 / 5	ⓕ 1,8 mm
D	24-0316	150 / 6	ⓕ 1,8 mm
D	24-0317	180 / 7	ⓕ 1,8 mm
D	24-0318	200 / 8	ⓕ 1,8 mm
D	24-0319	230 / 9	ⓕ 2,0 mm

* bold = shown







Masson-Lüthy

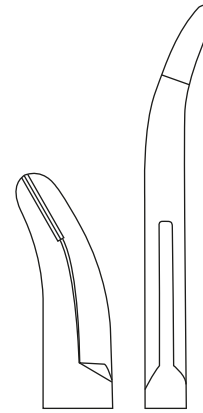
Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0156	200 / 8	Ⓝ 2,5 mm
A	24-0157	260 / 10 ¼	Ⓝ 2,5 mm



Bozemann (Wertheim)

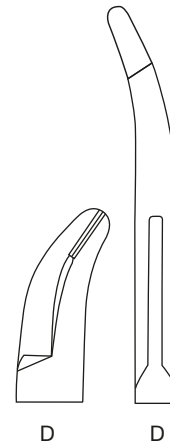
Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0140	200 / 8	Ⓝ 2,5 mm
B	24-0141	230 / 9	ⓕ 2,5 mm
B	24-0142	260 / 10 ¼	ⓕ 2,5 mm
B	24-0143	290 / 11 ½	ⓕ 2,5 mm

* **bold** = shown



Stratte reverse

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0373	205 / 8	ⓕ 2,7 mm
C	24-0371	235 / 9 ¼	ⓕ 2,7 mm



Stratte

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0372	205 / 8	ⓕ 2,7 mm
D	24-0370	235 / 9 ¼	ⓕ 2,7 mm





Needle Holders



24-0302

24-0307

24-0490

24-0305

24-0301

24-0292



A

Baumgartner

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0302	130 / 5	Ⓝ 2,6 mm



B

Derf

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0305	120 / 4 ¾	Ⓣ 1,4 mm



C

Swedish

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0490	140 / 5 ½	Ⓣ 1,7 mm

* **bold** = shown

D

Webster

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-0292	120 / 4 ¾	Ⓢ 1,4 mm
D	24-0291	120 / 4 ¾	Ⓜ 1,4 mm



E

Halsey

Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0301	130 / 5	Ⓣ 1,5 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
E	24-0301.TI	130 / 5	Ⓣ 1,8 mm



F

Baby Crile-Wood

Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0307	150 / 6	Ⓣ 1,7 mm

Titanium

Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0307.TI	160 / 6 ¼	Ⓣ 1,7 mm





Needle Holders, Cutters



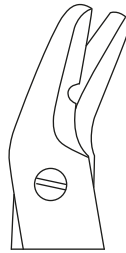
24-0303

24-0304

26-0140

24-0160

24-0167



A

Universal TC Wire Cutter

Fig. A Art.-No. length mm / "
A 26-0140 120 / 4 ¾



B

Olsen-Hegar mini

with cutting edge

Fig. B Art.-No. length mm / " Insert / Tip
B 24-0160 120 / 4 ¾ ⓔ 1,8 mm



C

Neivert (Offset Ring)

Fig. C Art.-No. length mm / " Insert / Tip
C 24-0304 130 / 5 Ⓜ 1,7 mm



D

D

Kilner

Fig. D Art.-No. length mm / " Insert / Tip
D 24-0303 140 / 5 ½ ⓔ 1,6 mm



E

Gillies

with cutting edge

Fig. E Art.-No. length mm / " Insert / Tip
E 24-0167 160 / 6 ¼ ⓔ 2,2 mm

* bold = shown







A

Zweifel

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0050	200 / 8	Ⓝ 2,9 mm



B

Mathieu

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0040	140 / 5 ½	ⓕ 2,4 mm
B	24-0041	170 / 6 ¾	Ⓝ 2,4 mm
B	24-0042	200 / 8	Ⓝ 2,4 mm



C

Mathieu

Internal ratchet

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0046	170 / 6 ¾	Ⓝ 2,9 mm
C	24-0047	200 / 8	Ⓝ 2,9 mm
C	24-0048	230 / 9	ⓕ 2,9 mm

* **bold** = shown







Left-hand Mayo-Hegar

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-7530.LH	160 / 6 ¼	ⓕ 2,3 mm
A	24-7531.LH	190 / 7 ½	Ⓝ 2,3 mm
A	24-7532.LH	200 / 8	Ⓝ 2,5 mm



Left-hand Baumgartner

Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-7582.LH	130 / 5	ⓕ 2,2 mm



Left-hand French-Eye (Ryder)

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-7560.LH	160 / 6 ¼	ⓕ 1,9 mm
B	24-7561.LH	180 / 7	ⓕ 1,9 mm



Left-hand DeBakey-type

Fig.	Art.-No.	length mm / "	Insert / Tip
D	24-7550.LH	180 / 7	ⓕ 2,0 mm
D	24-7552.LH	230 / 9	ⓕ 2,0 mm
D	24-7553.LH	260 / 10 ¼	ⓕ 2,0 mm
D	24-7554.LH	300 / 11 ¾	ⓕ 2,0 mm

* **bold** = shown





24-0119

24-0128

24-0127



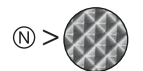
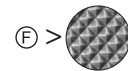
A

Fig.
A**Berry****Art.-No.**
24-0119**length mm / "**
180 / 7**Insert / Tip**
Ⓝ 5,3 mm

B

Fig.
B**Heavy Berry***Wire Twister with TC-Inserts***Art.-No.**
24-0127**length mm / "**
200 / 8**Insert / Tip**
ⓕ 6,0 mm

C

Fig.
C**Rubio***Mini Wire Twister with TC-Inserts***Art.-No.**
24-0128**length mm / "**
130 / 5**Insert / Tip**
ⓕ 4,8 mm* **bold** = shown



Wire Twisters, Wire Pliers



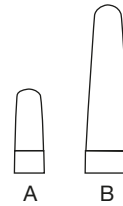
24-0125



24-0981

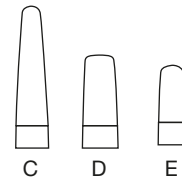


24-0110



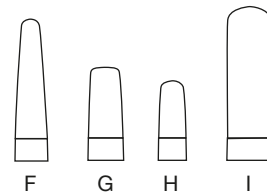
Mathieu-Style

Fig.	Art.-No.	length mm / "	Insert / Tip
A	24-0980	170 / 6 ¾	Ⓝ 4,0 mm
B	24-0981	200 / 8	Ⓝ 4,0 mm



Wire Twister

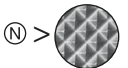
Fig.	Art.-No.	length mm / "	Insert / Tip
C	24-0130	160 / 6 ¼	Ⓝ 2,5 mm
D	24-0125	155 / 6	Ⓝ 4,0 mm
D	24-0126	180 / 7	Ⓝ 4,0 mm
E	24-0120	155 / 6	Ⓝ 3,0 mm
E	24-0121	180 / 7	Ⓝ 3,0 mm

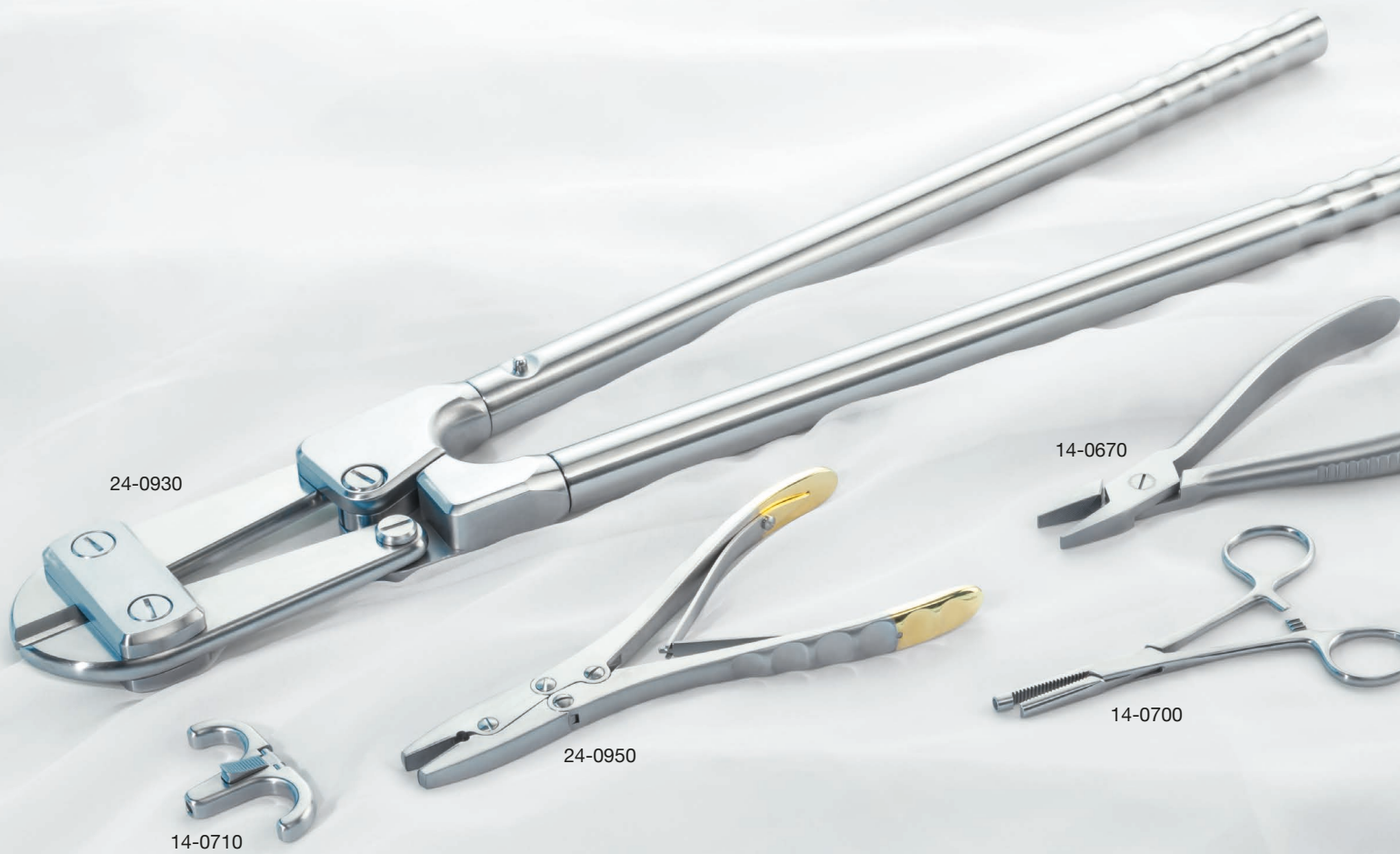


Automatic

Fig.	Art.-No.	length mm / "	Insert / Tip
F	24-0110	160 / 6 ¼	Ⓝ 2,5 mm
G	24-0105	155 / 6	Ⓝ 4,0 mm
H	24-0100	155 / 6	Ⓝ 3,0 mm
I	24-0115	180 / 7	Ⓝ 5,3 mm

* **bold** = shown

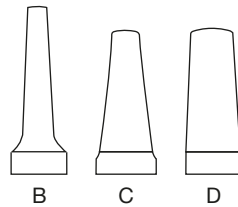






Wire Pliers

Fig.	Art.-No.	length mm / "
A	14-0670	170 / 6 ¾



Wire-Twister

Fig.	Art.-No.	length mm / "	Insert / Tip
B	24-0956	180 / 7	ⓕ 2,0 mm
C	24-0955	180 / 7	ⓕ 4,0 mm
D	24-0950	180 / 7	ⓕ 6,0 mm

* bold = shown

Wire Holding Forceps

Art.-No.	length mm / "
14-0700	130 / 5

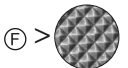
Wire Cutting Pliers

Art.-No.	length mm / "	Wire max. Ø
24-0930	570 / 22 ½	6,35 mm

The handles are quickly removable for sterilization

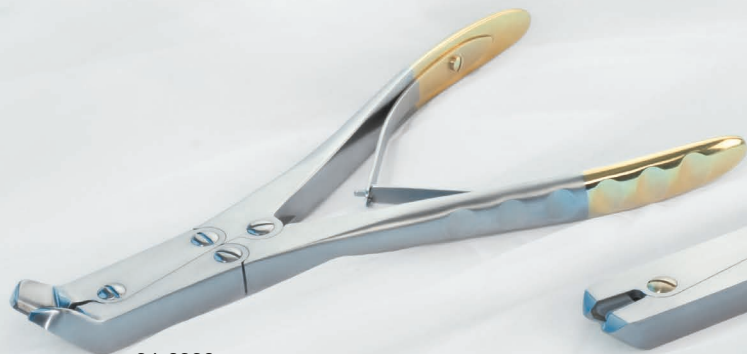
Izzat Wire-Grip

Art.-No.	Wire max. Ø
14-0710	1,3 mm





Wire Cutting Pliers



24-0920



24-0942



24-0905



24-0940



14-0675



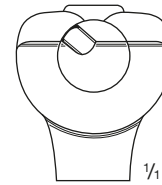
A

1/2

Wire Bull

Fig.	Art.-No.	length mm / "	Wire max. Ø
A	24-0942	250 / 10	3,0 mm

Plastic inserts hold wire piece after being out



B

1/1

Wire Pliers

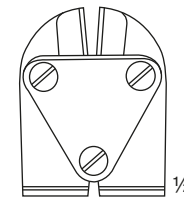
Fig.	Art.-No.	length mm / "
B	14-0675	160 / 6 1/4

Midi Cutter

Art.-No.	length mm / "	Wire max. Ø
24-0906	180 / 7	1,5 mm
24-0905	200 / 8	1,5 mm

Maxi Cutter

Art.-No.	length mm / "	Wire max. Ø
24-0910	175 / 7	1,7 mm
24-0920	220 / 8 3/4	2,2 mm



C

1/2

Power Cutter

also recommended for plates

Fig.	Art.-No.	length mm / "	Wire max. Ø
C	24-0940	230 / 9	3,5 mm

* bold = shown



Needle Holders without TC-Inserts



24-8131



24-8143



24-8160



A

Crile-Wood

Fig.	Art.-No.	length mm / "	Tip
A	24-8131	150 / 6	2,0 mm



B

Mayo-Hegar

Fig.	Art.-No.	length mm / "	Tip
B	24-8142	160 / 6 ¼	2,7 mm
B	24-8143	190 / 7 ½	2,7 mm
B	24-8144	200 / 8	3,0 mm
B	24-8145	240 / 9 ½	3,0 mm
B	24-8146	270 / 10 ½	3,0 mm



C

Adson

Fig.	Art.-No.	length mm / "	Tip
C	24-8160	180 / 7	3,0 mm

* **bold** = shown



Needle Holders without TC-Inserts



24-8111



24-8171



24-8115



24-8101



A

Derf

Fig.	Art.-No.	length mm / "	Tip
A	24-8101	120 / 4 ¾	2,0 mm



B

Webster

plain

Fig.	Art.-No.	length mm / "	Tip
B	24-8111	130 / 5	2,2 mm



C

Baumgartner

Fig.	Art.-No.	length mm / "	Tip
C	24-8115	130 / 5	2,5 mm

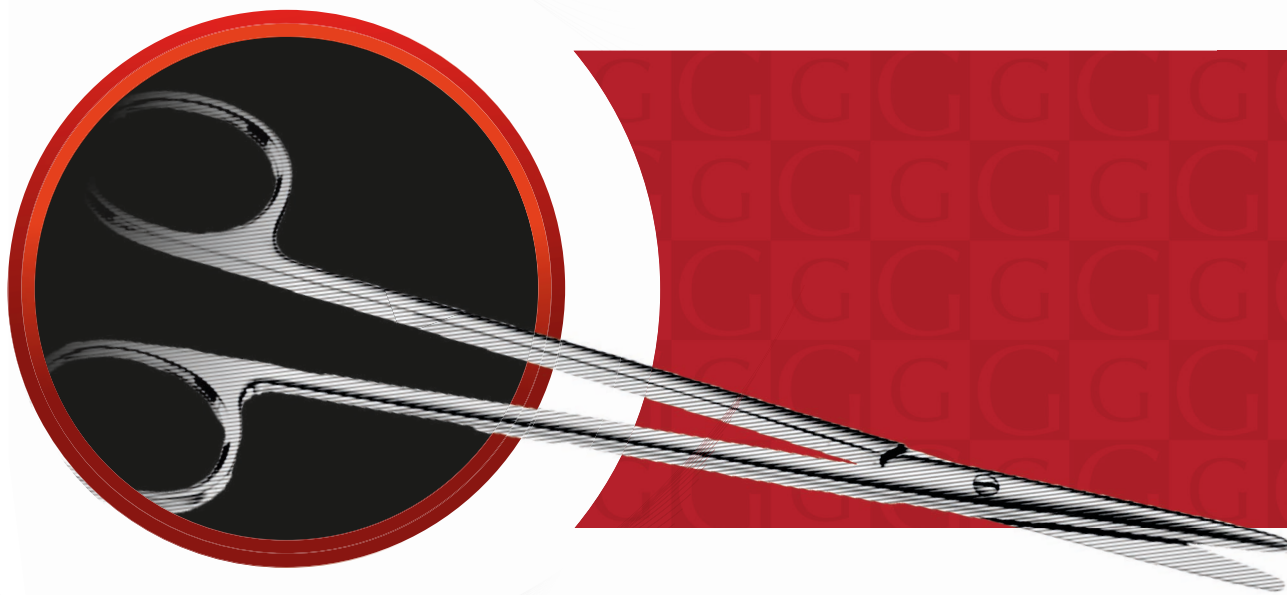


D

Mathieu

Fig.	Art.-No.	length mm / "	Tip
D	24-8170	140 / 5 ½	2,4 mm
D	24-8171	170 / 6 ¾	2,4 mm
D	24-8172	200 / 8	2,4 mm

* bold = shown



**Scissors | Rib Shears | Wire Saws
Bone Biting Rongeurs**



Art.-No.
40-0290

Length
30 cm/11¾"



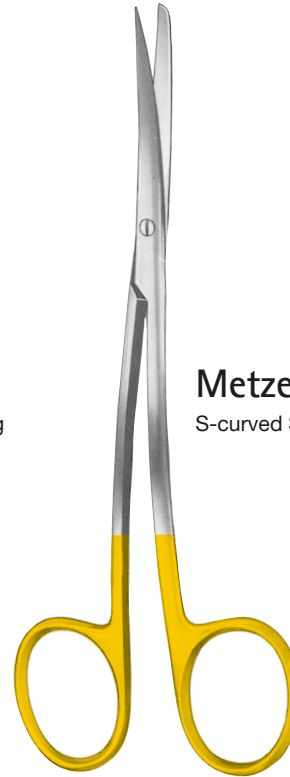
Toennis-Adson TC

Extra delicate scissors
with slightly curved edges.



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

26-0498 14.0 cm

26-0500 18.0 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

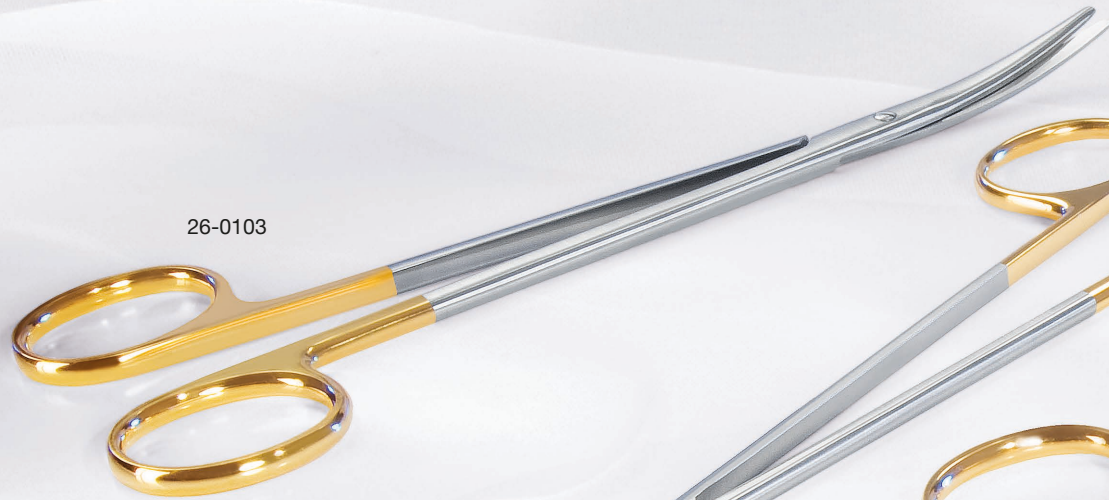
26-0502G 25.0 cm

Metzenbaum TC

26-0119 14.5 cm/5½''



Scissors with TC-edges



26-0103



26-0122



Scissors with TC-edges

GEISTER®

26-0102



26-0123


**Metzenbaum TC
straight**

26-0100	26-0102	26-0104
14 cm	18 cm	20 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
14 cm	18 cm	20 cm

**Nelson Metzenbaum TC
curved**

26-0107	26-0109	26-0111	26-0113	26-0115
23 cm	25 cm	28 cm	31 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**

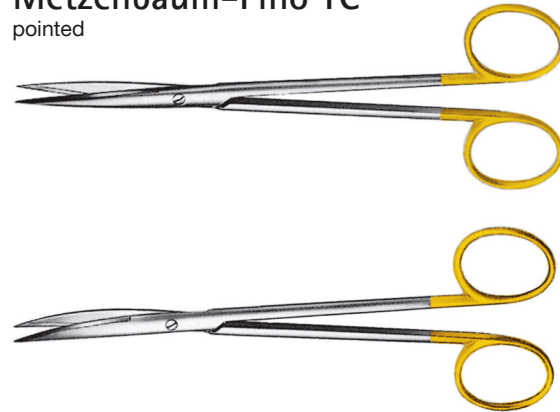
blunt/blunt	sharp/blunt	sharp/sharp
26-0010	26-0011	26-0012
14.5 cm	14.5 cm	14.5 cm

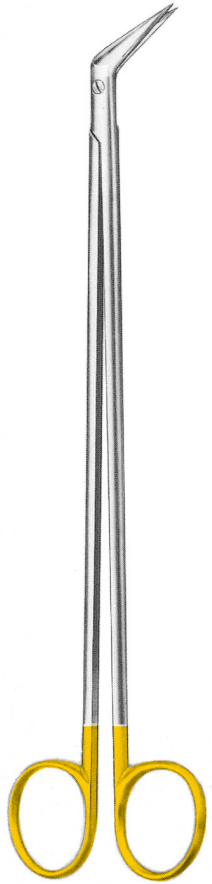
curved

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

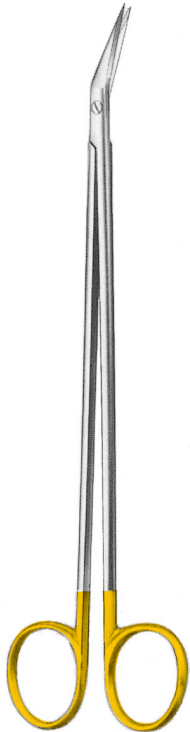
Metzenbaum-Fino TC

pointed

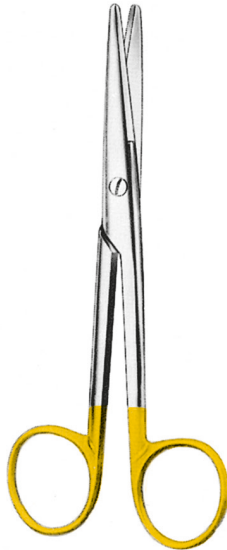
**Standard TC**



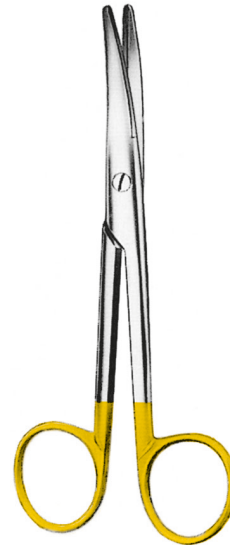
DeBakey-type TC



Potts-Smith TC



Mayo-Stille TC

**DeBakey-type TC**

25°	45°	60°
26-0210 17 cm/6½"	26-0215 17 cm/6½"	26-0220 17 cm/6½"
26-0211 23 cm/9"	26-0216 23 cm/9"	26-0221 23 cm/9"
26-0212 28 cm/11"	26-0217 28 cm/11"	26-0222 28 cm/11"

Potts-Smith TC

25°	45°	60°
26-0200 19 cm/7½"	26-0201 19 cm/7½"	26-0202 19 cm/7½"

Mayo-Stille TC

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


**Mayo TC
straight**

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

curved

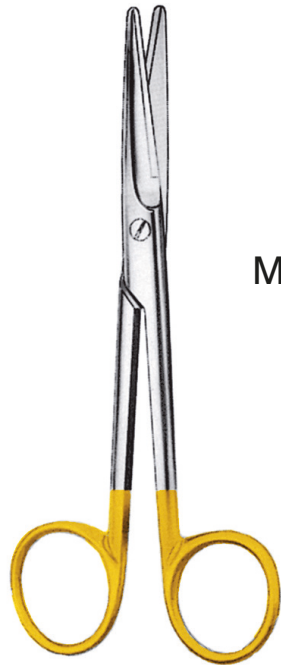
26-0021	26-0023	26-0026
14 cm	17 cm	23 cm

**Mayo-Lexer TC
straight**

26-0040	26-0042
16 cm	21 cm

curved

26-0041	26-0043
16 cm	21 cm



Mayo TC



Mayo-Lexer TC



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



26-6217.ST

26-6201.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 26-6134.ST
17 cm/6½” 19 cm/7½”

curved

26-6133.ST 26-6135.ST
17 cm/6½” 19 cm/7½”

Metzenbaum “ST”
straight

26-6190.ST	26-6191.ST	26-6192.ST	26-6193.ST	26-6194.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”

curved

26-6200.ST	26-6201.ST	26-6202.ST	26-6203.ST	26-6204.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”

Metzenbaum Fino “ST”
straight

26-6208.ST	26-6210.ST	26-6211.ST	26-6212.ST	26-6213.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”

curved

26-6209.ST	26-6215.ST	26-6216.ST	26-6217.ST	26-6218.ST
14 cm/5½”	18 cm/7”	20 cm/8”	23 cm/9”	25 cm/10”



26-6252.ST



26-6691.ST



26-6161.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

Stevens "ST"

straight	curved
26-6160.ST	26-6161.ST
12.5 cm/5"	12.5 cm/5"

Iris "ST"

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

Reynolds "ST"

(Metzenbaum Tenotomy)

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

Ragnell-Kilner "ST"

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



Dissecting Scissors



26-6201

26-6190

26-6217.SC

26-6201.SC



26-6215



26-6210

■ 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

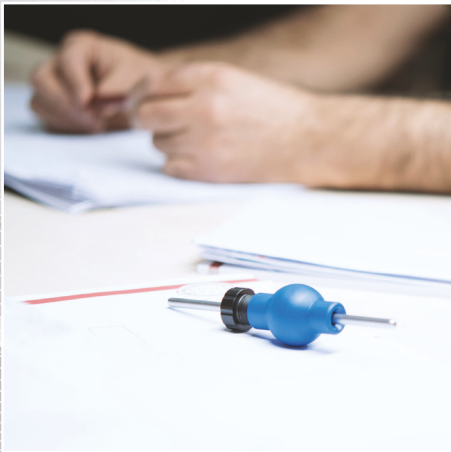
curved

Metzenbaum Fino

S-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





SERVICE

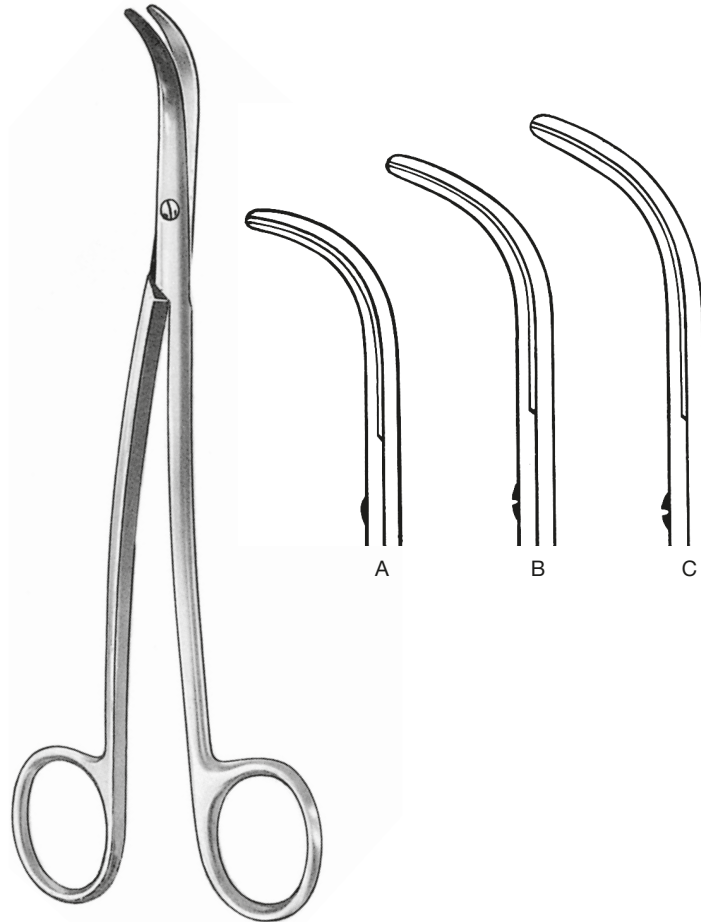
As a manufacturer of premium quality surgical products we are committed to give our customers the best possible service and support, also beyond the sale.

We do more than sell instruments by standard catalog only. We are sensitive to physicians ideas and welcome innovative concepts that challenge our skill sets. We care and provide the most functional and state-of-the-art solutions for individual needs. This, together with direct access to top management levels, maximum responsiveness, quality, service and innovation, makes us a preferred partner for the surgical professional worldwide and keeps us on the cutting edge of the surgical instrument industry.

Apart from manufacturing and supplying surgical instruments and equipment, we also offer the following special services: Instrument repairs (cost estimates provided upon request), Instrument maintenance and refurbishing, set arrangements, inventorying of existing instruments or sets, development of special instruments, CAD construction with Solidworks 3D and MegaCAD 2D, prototyping, turnkey projects, consulting, machining of precision parts and components for medicine and industry, OEM manufacturing.



Hohenfellner

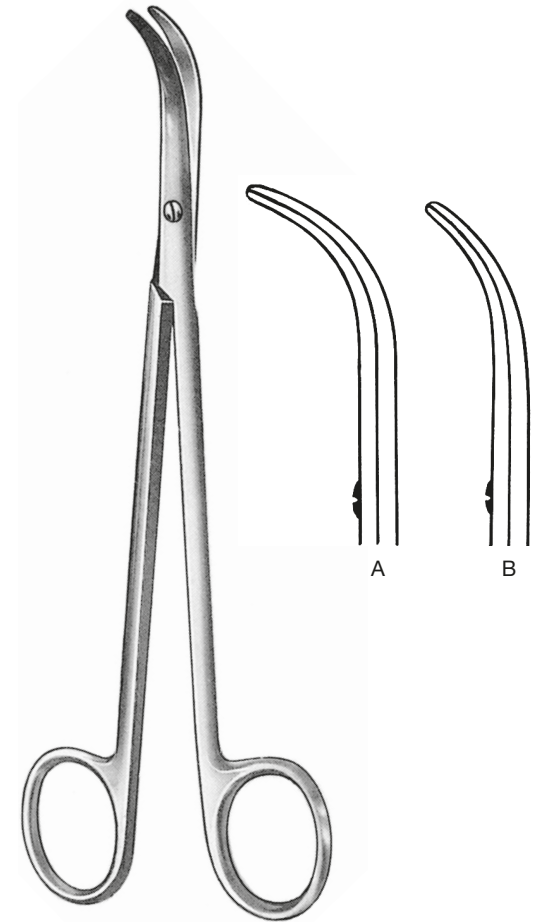
**Hohenfellner**

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

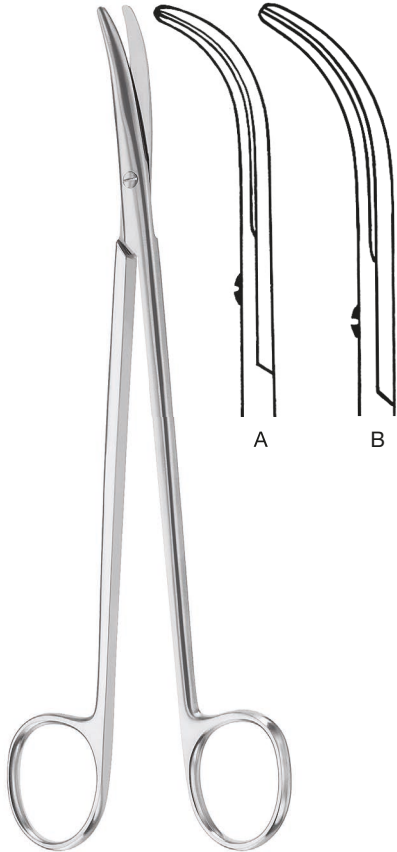
DeBakey-type

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

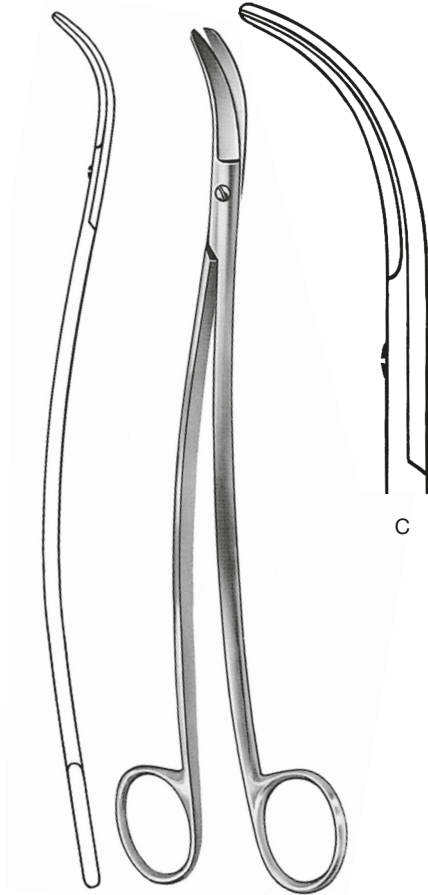
DeBakey-type



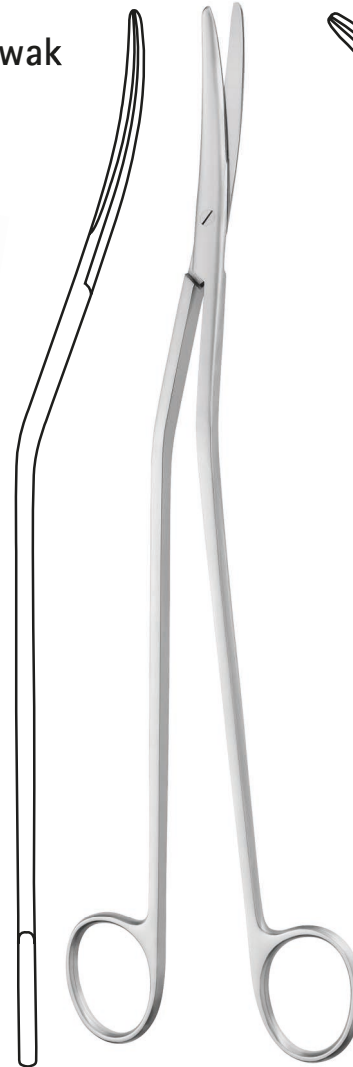
Thorek



Satinsky



Litwak

**Thorek**

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

Satinsky

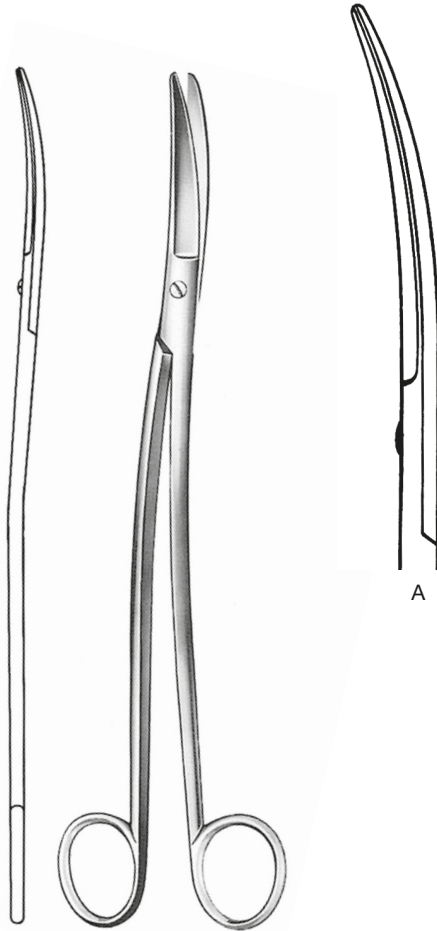
Art.-No.	Fig.	Length
26-2525	C	24.5 cm/9½"

Litwak

Art.-No.	Fig.	Length
26-2523	D	28 cm/11" strongly curved
26-2524	E	28 cm/11" slightly curved



Klingenberg-Loth

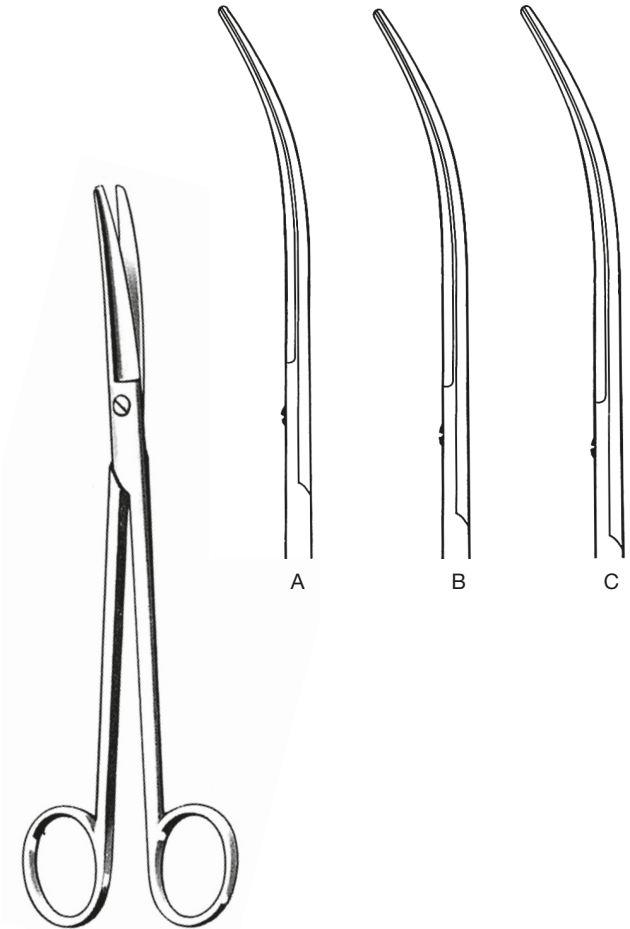
**Klingenberg-Loth**

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

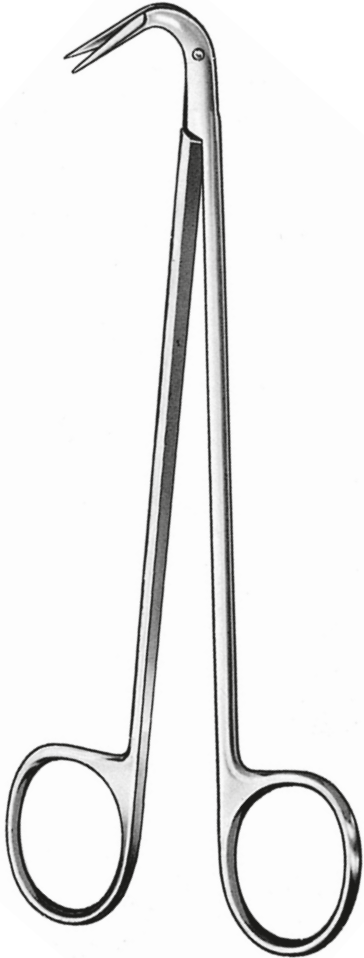
Wertheim

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''

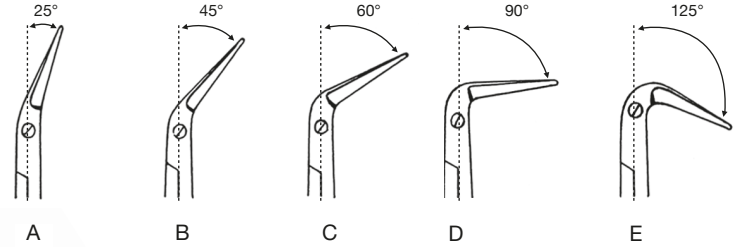
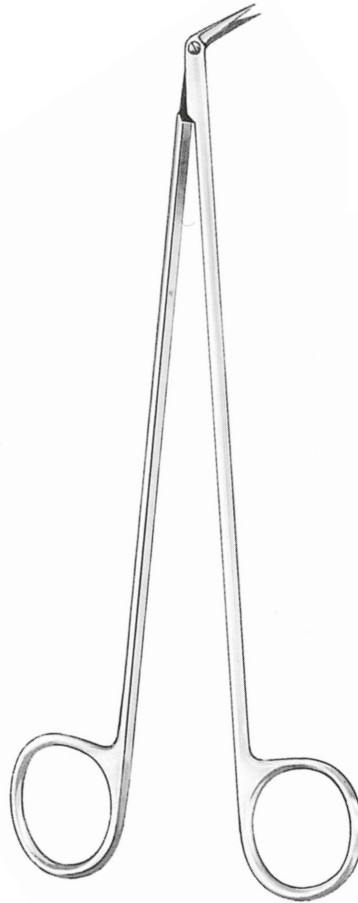
Wertheim



Beall



Diethrich-Hegemann



■ SC = Super Cut

Beall
Swan Neck Scissors
Art.-No. 26-4090 **sharp** **Length** 14.5 cm/5½"

Diethrich-Hegemann
with extra delicate micro tips

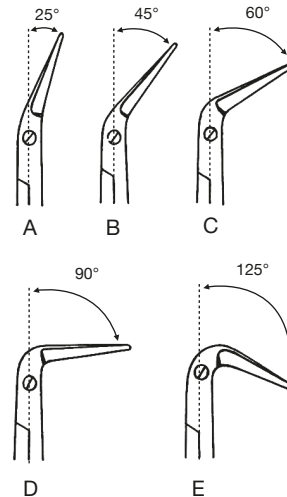
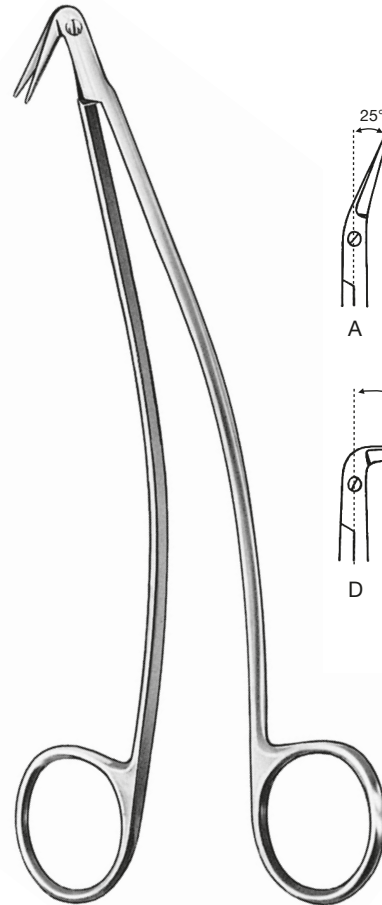
Fig.	Length	★	Art.-No. regular	Art.-No. nano blades
A	180 cm/7"	25°	26-4100 26-4100.SC	26-4300 26-4300.SC
B	180 cm/7"	45°	26-4102 26-4102.SC	26-4302 26-4302.SC
C	180 cm/7"	60°	26-4104 26-4104.SC	26-4304 26-4304.SC
D	180 cm/7"	90°	26-4106 26-4106.SC	26-4306 26-4306.SC
E	180 cm/7"	125°	26-4108 26-4108.SC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


with bar

E	180 cm/7"	125°	26-4110	26-4110.SC
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Favaloro

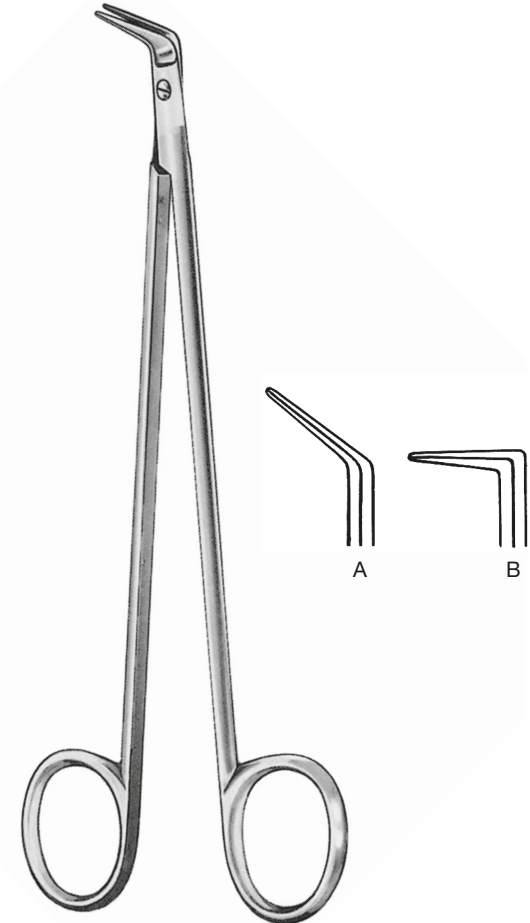
**Favaloro**

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''

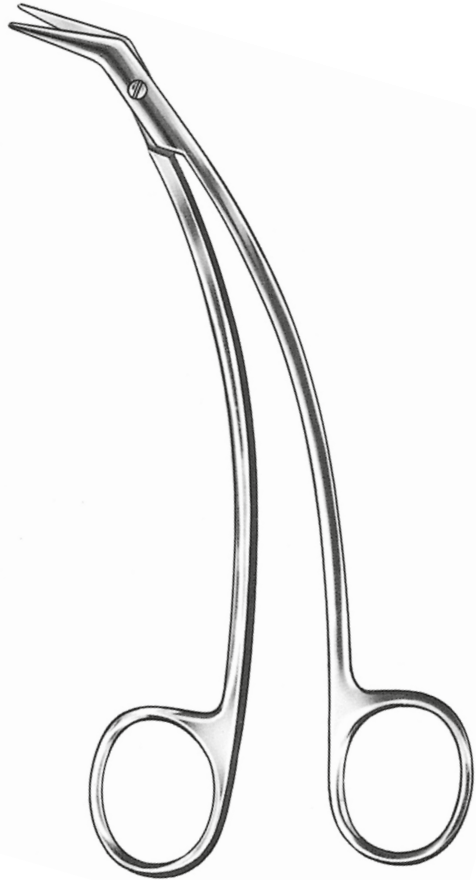
De Martel

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



Favaloro



DeBakey-type "S"

**Favaloro**

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

DeBakey-type "S"

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



Lillehei-Potts

Laine-Kindal

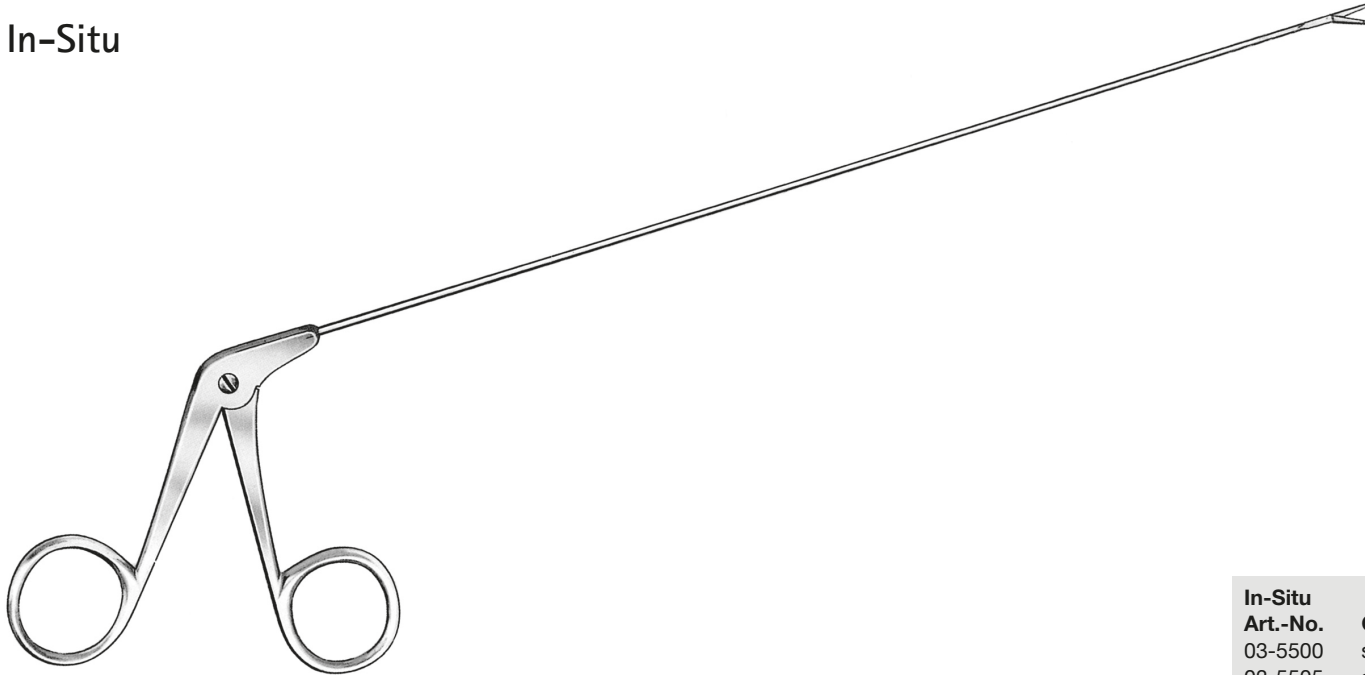
**Lillehei-Potts**

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/8 1/4"
26-4076	B	18 cm/7"
26-4077	B	21 cm/8 1/4"

In-Situ



Valvulotome

**In-Situ**

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"



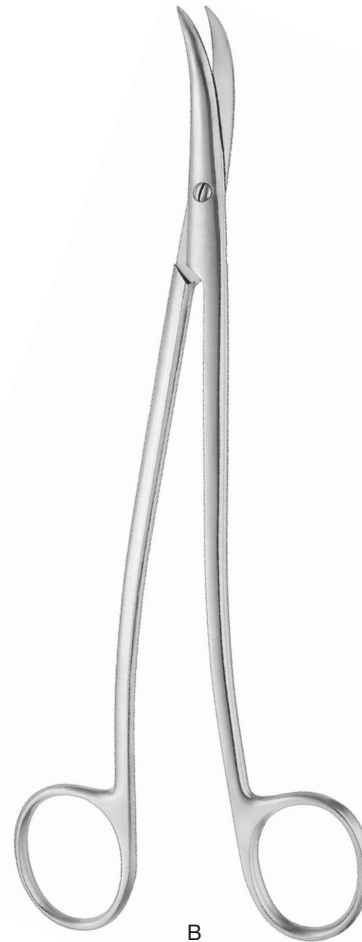
Gregory



Gregory			
Art.-No.	Fig.	✂	Length
26-4149	A	45°	13 cm/5"
26-4150	B		16 cm/6¼"

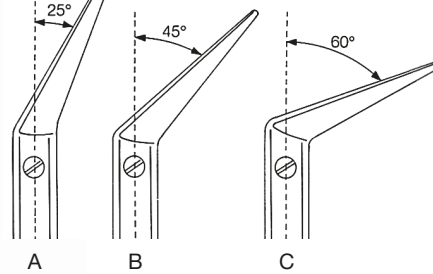
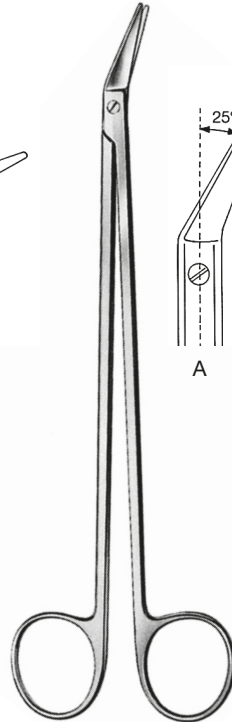
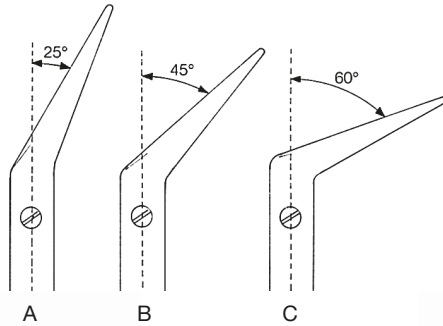
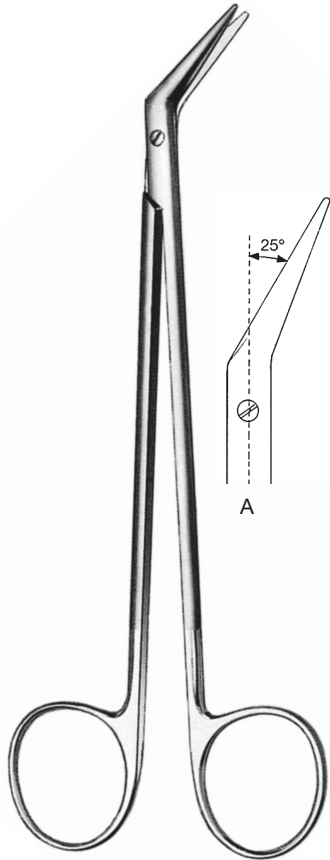
Gregory TC			
Art.-No.	Fig.	✂	Length
26-4148	C		14.5 cm/5¾"

Gregory TC



DeBakey-type

Potts-Smith



DeBakey-type			
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"
26-4126	C	60°	19 cm/7½"



Fistula Scissors

Potts



■ SC = Super Cut

Potts

26-4082
18.5 cm/7"

Kelly
straight

26-6720
16 cm/6¼"
26-6720.SC

curved

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

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"

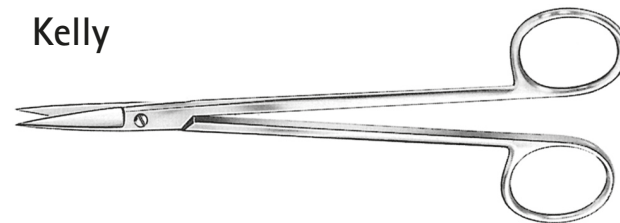
26-6686
10.5 cm/4"

26-6687
10.5 cm/4"

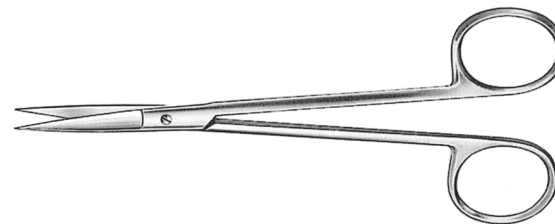
26-6684
9.5 cm/3½"

26-6685
9.5 cm/3½"

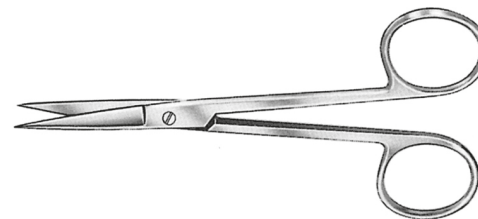
Kelly



Joseph



Iris





Lexer-Baby



Stevens

■ SC = Super Cut

**Lexer-Baby
straight**

26-6155
10.5 cm/4"

curved

26-6156
10.5 cm/4"

**Stevens
blunt**

straight

26-6160
11 cm/4 1/4"
26-6160.SC

curved

26-6161
11 cm/4 1/4"
26-6161.SC

**pointed
straight**

26-6162
11 cm/4 1/4"
26-6162.SC

curved

26-6163
11 cm/4 1/4"
26-6163.SC



Reynolds



Ragnell-Kilner



■ 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



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**

26-6120

22.5 cm/8¾"

26-6120.SC

26-6122

28 cm/11"

26-6122.SC

curved

26-6121

22.5 cm/8¾"

26-6121.SC

26-6123

28 cm/11"

26-6123.SC

Mc Indoe (UK)

26-6301

18 cm/7"

26-6301.SC

Mayo-Lexer**straight**

26-6140

16 cm/6¼"

26-6140.SC

26-6142

21 cm/8¼"

curved

26-6141

16 cm/6¼"

26-6141.SC

26-6143

21 cm/8¼"

Lexer-Fino**delicate****straight**

26-6150

16 cm/6¼"

26-6150.SC

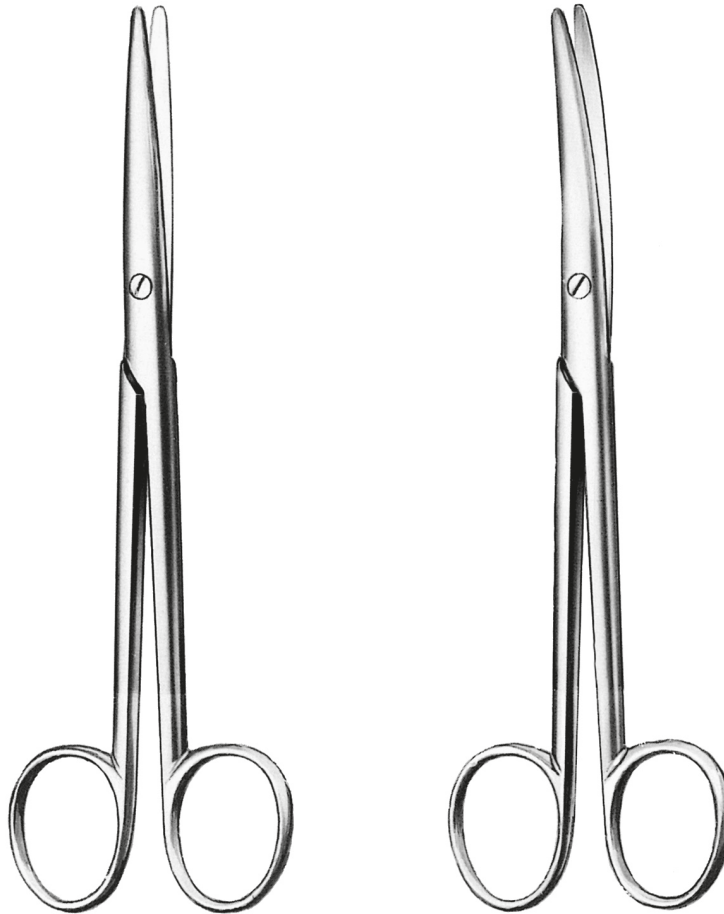
curved

26-6151

16 cm/6¼"

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

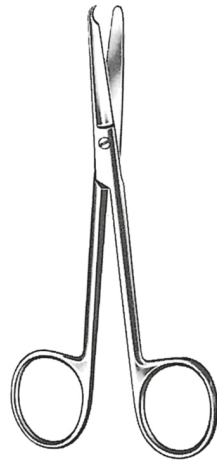
20 cm/8"

26-4975.SC

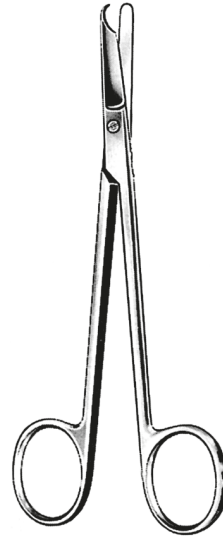
**Umbilical
Cord Scissors**

26-6936 26-6937

13.5 cm/5" 16 cm/6¼"

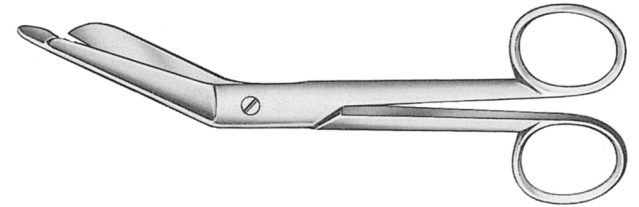


Spencer

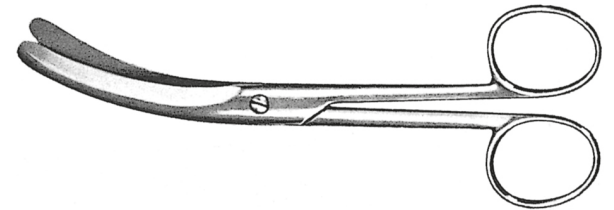


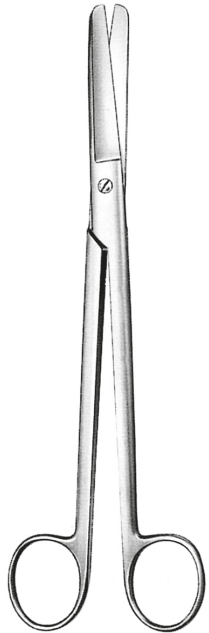
Littauer

Lister

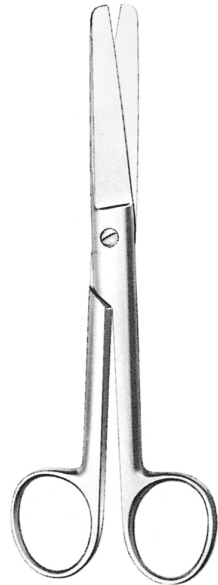


Umbilical

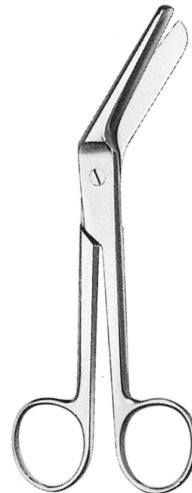




Sims Gyn.



Doyen



Braun-Stadler



Toronto

■ SC = Super Cut

Sims Gyn.

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

Doyen

Abdominal Scissors

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

Braun-Stadler

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

Toronto

26-6124.SC	28 cm/11"
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Bailey



Luc's



Bailey Rongeurs

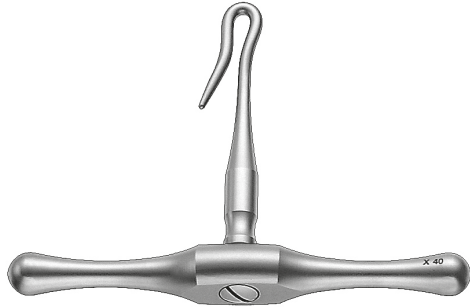
Art.-No.	✂		Length
40-2600	straight	3mm	12 cm/4¾"
40-2602	25° down	3mm	12 cm/4¾"
40-2604	70° down	3mm	12 cm/4¾"
40-2606	90° down	3mm	12 cm/4¾"
40-2608	45° left	3mm	12 cm/4¾"
40-2610	45° right	3mm	12 cm/4¾"

Longer shaft length on special request

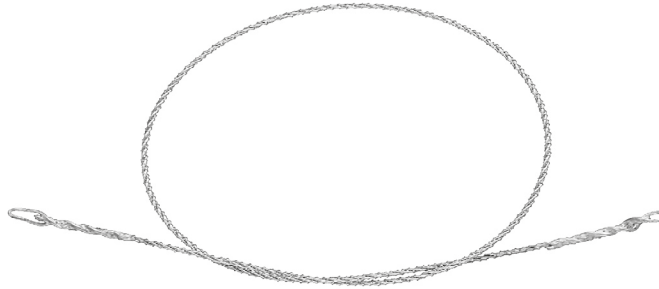
Luc's Nibbling Forceps

Art.-No.	Length
40-8010	19 cm/7½"

Gigli



Gigli



Gigli



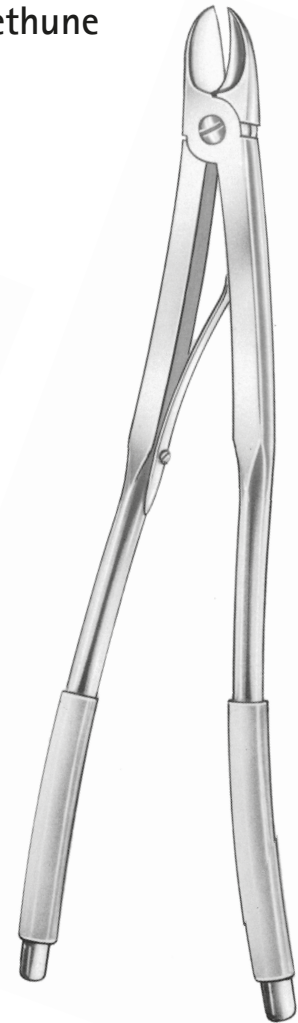
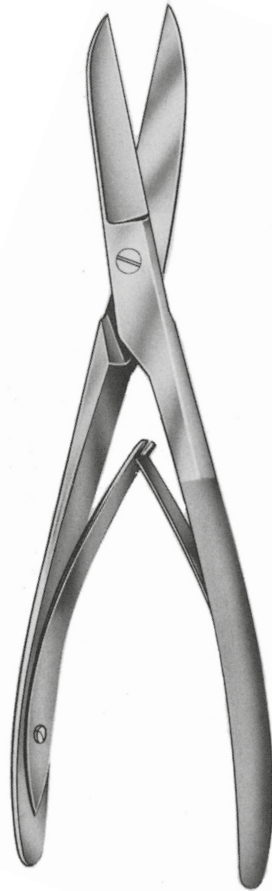
Gigli
Wire Saw Handle
Art.-No.
 26-9109

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



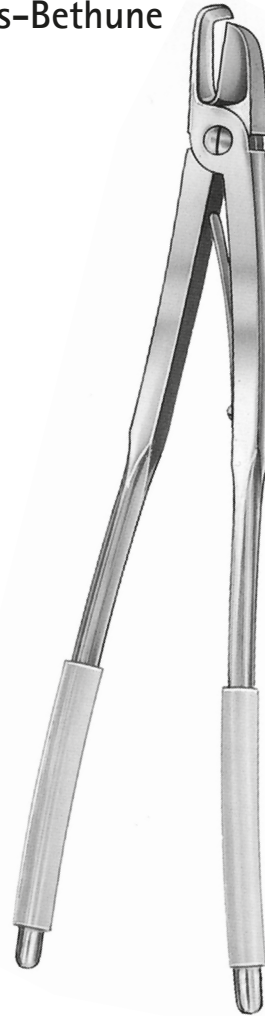
Art.-No.	Length
26-6920	23 cm/9"
26-6925	21 cm/8¼"

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

Coryllos-Bethune



Coryllos-Bethune

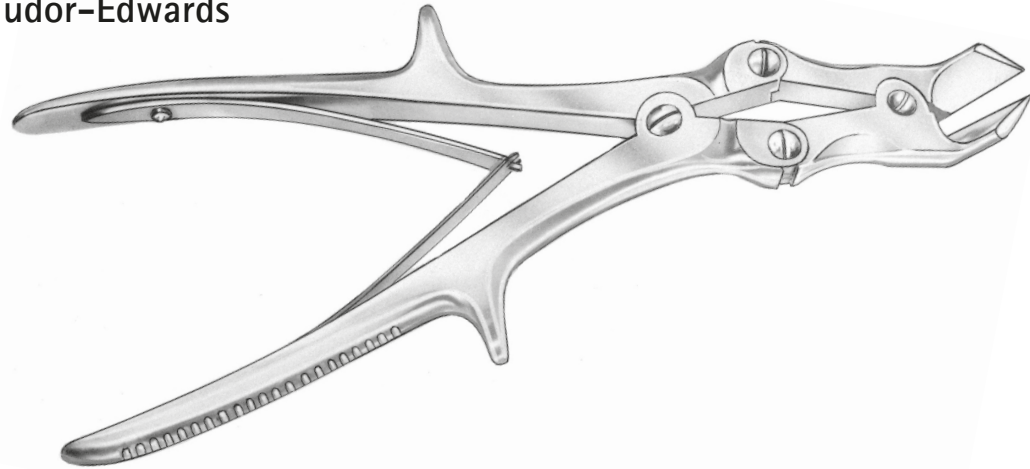


Coryllos-Bethune
Art.-No. **Length**
40-0240 36 cm/14''
Right protected jaws

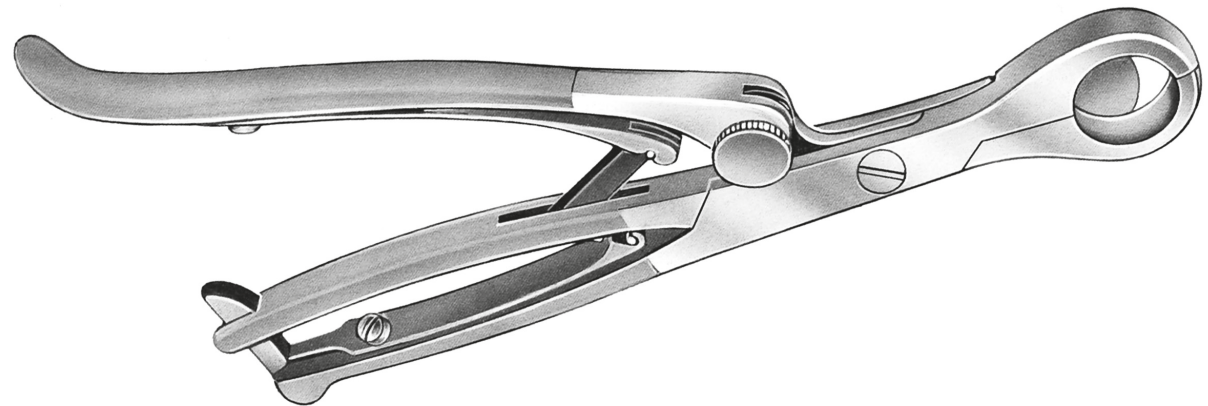
Coryllos-Bethune
Art.-No. **Length**
40-0241 36 cm/14''
Left protected jaws



Tudor-Edwards



Costotome

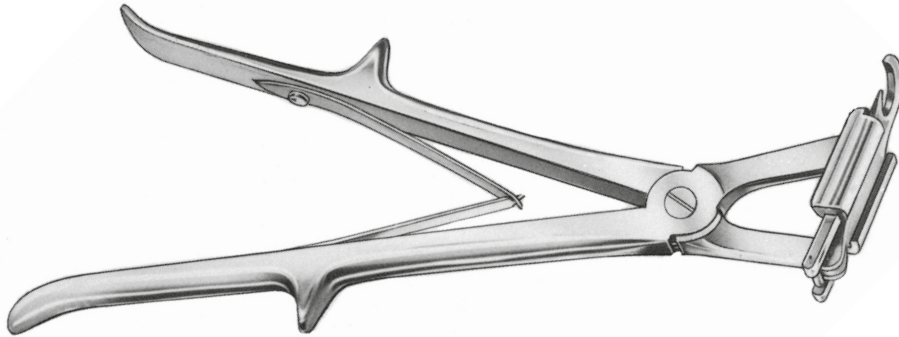
**Tudor-Edwards****S-curved**

Art.-No.	Length
40-0232	26 cm/10¼"

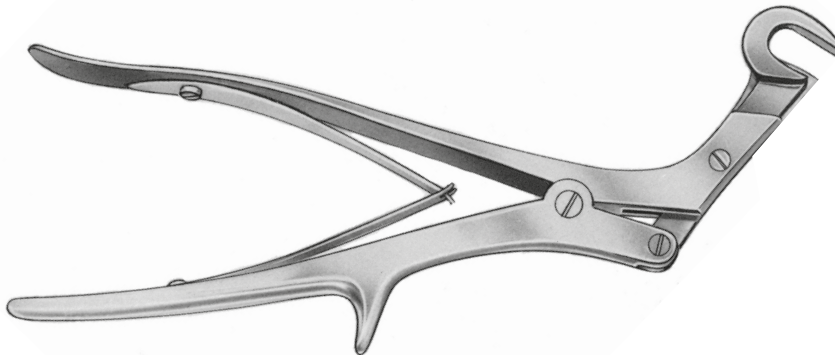
Costotome

Art.-No.	Length
40-0283	24 cm/9½"

Sauerbruch



Giertz-Stille

**Sauerbruch**

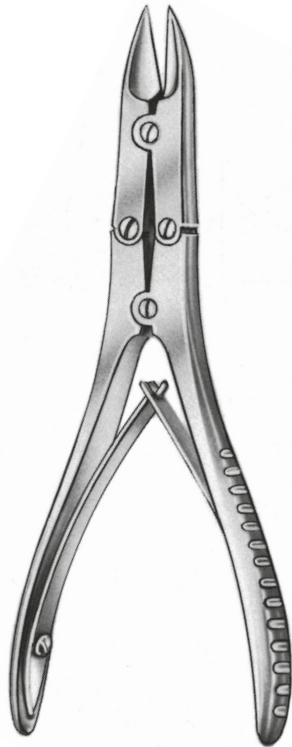
Art.-No.	Length
40-0282	26 cm/10¼"

Giertz-Stille

Art.-No.	Length
40-0285	27 cm/10½"



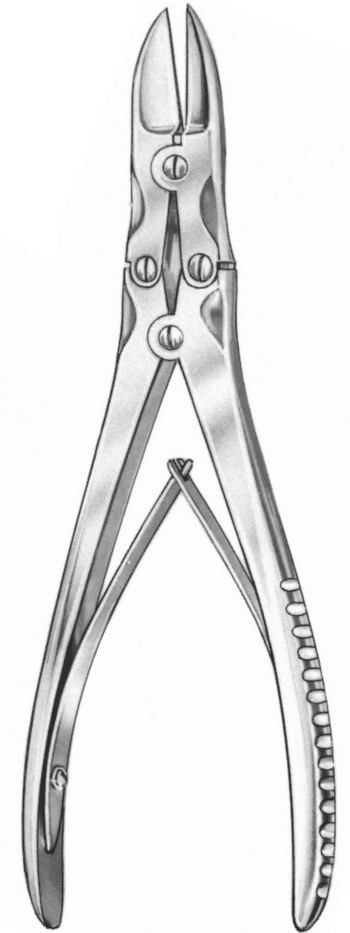
Boehler



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

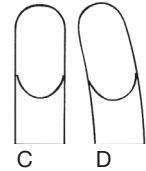
Bone Biting Rongeurs

GEISTER®

Boehler



Luer-Stille

**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



Bone Biting Rongeurs

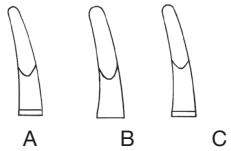
Beyer



Ruskin



Marquardt



A B C

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

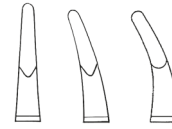
Marquardt**C**

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

		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



Further assistance systems can be found in our new brochure, please ask customer service for a copy.



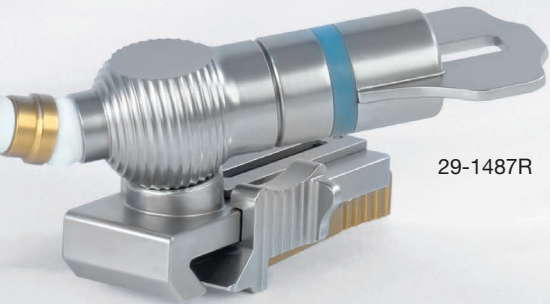
**Flexible Arms | Sternum Retractors
Retractors | IMA Retractors
Rib Spreaders | Abdominal Frame
Retractors | Self-retraining Retractors**





Flexible Arm





29-1487R

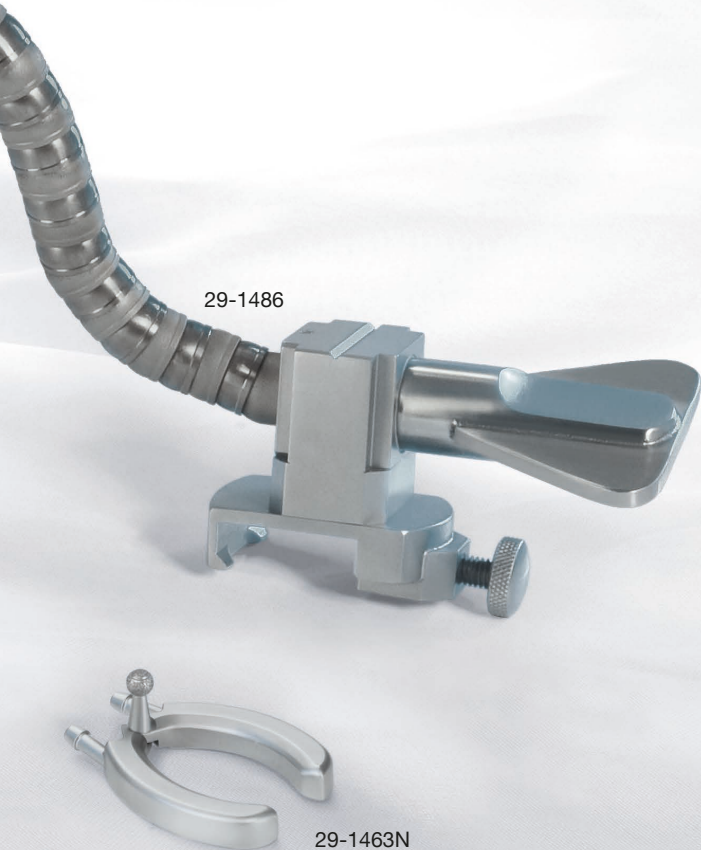
Flexible Arm

Art.-No.	Description
29-1487	Flexible Arm with universal sliding carrier, 300 mm
29-1487R	Flexible Arm with universal sliding carrier and adapter clamp for rods, 320 mm
29-1433.RD	Rod 6 mm (alone) with fixation screw, 210 mm, for Extension
29-1433.RL	Rod 6 mm (alone) with fixation screw, 350 mm, for Extension



Flexible Arm





29-1486

29-1463N

Flexible Arm

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

Flexible Arm

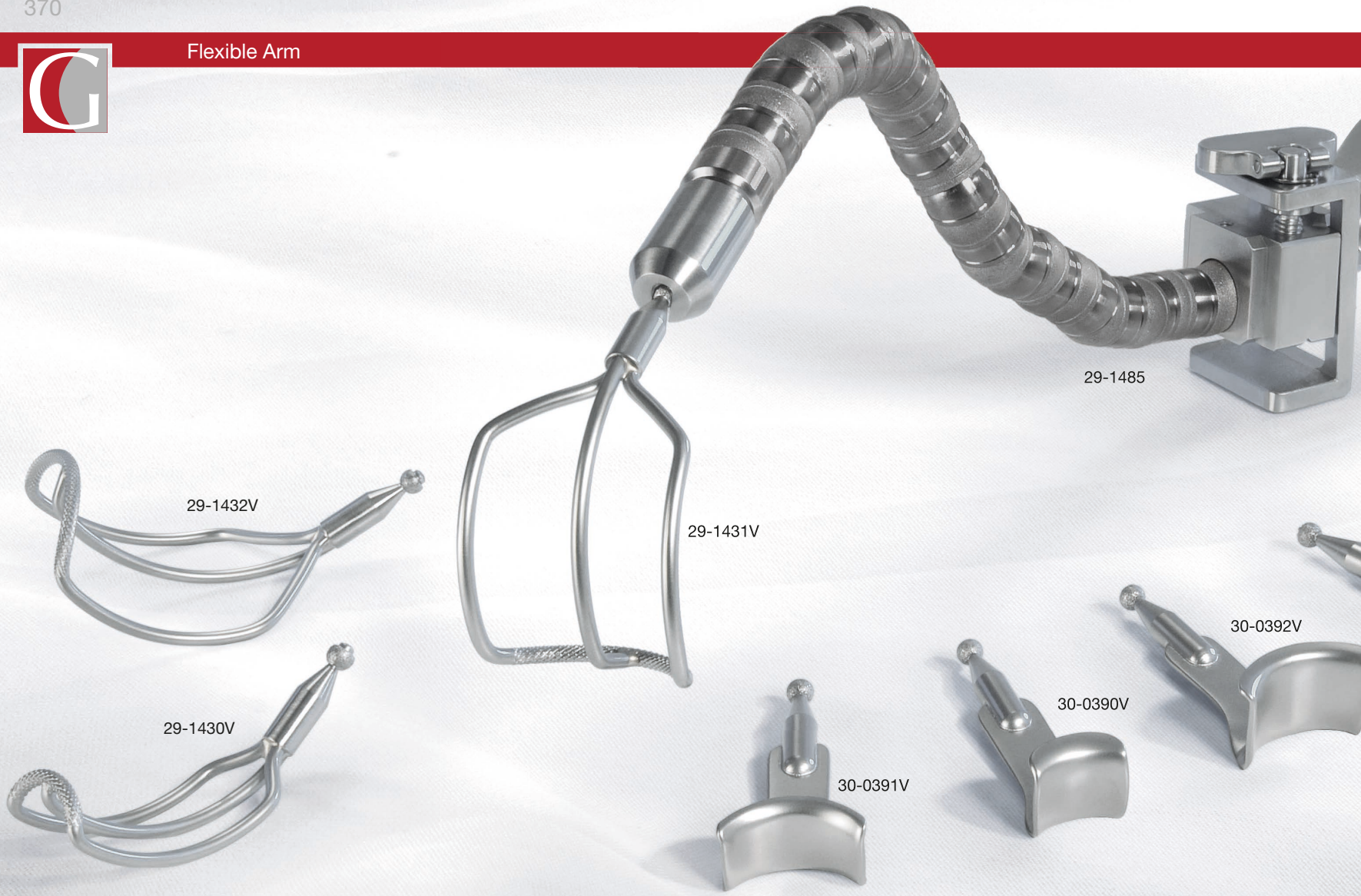
Art.-No.	Description
29-1485	Flexible Arm 275 mm (without foot)
29-1486	Flexible Arm 275 mm (without 29-1428 and 29-1433) for Cardioframe
29-1428V	Fixation Clamp 6 mm with connector for Flexible Arm
29-1433.RD	Rod 6 mm, (alone) for Extension for Foots

Stabilizing Foots

Art.-No.	Description
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
29-1463N	Tulip Neo Suction Stabilizer with ball connecotr for flexible arm or rod



Flexible Arm



29-1432V

29-1430V

29-1431V

29-1485

30-0391V

30-0390V

30-0392V

Flexible Arm

GEISTER®



Flexible Arm

- provides maximum surgical exposure
- multiple sizes available
- excellent stability

Flexible Arm

without foot

Art.-No.	Length mm
29-1485	275

Retracting and Manipulating Feet

Cooley Rake Blade

Art.-No.	Description
29-1430V	small 20 mm
29-1431V	medium 35 mm
29-1432V	large 45 mm

Ross Hook

Art.-No.	Description
30-0390V	Fig.1 Blade 16x15 mm
30-0391V	Fig.2 Blade 23x13 mm
30-0392V	Fig.3 Blade 24x16 mm
30-0393V	Fig.4 Blade 27x13 mm
30-0394V	Fig.5 Blade 27x27 mm
30-0395V	Fig.6 Blade 25x39 mm

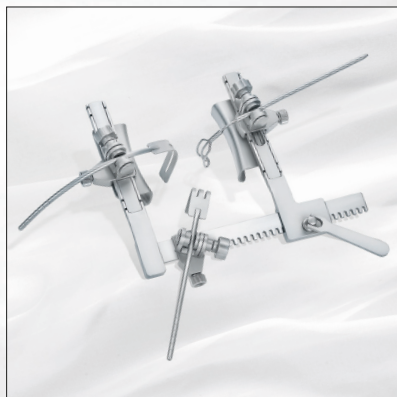
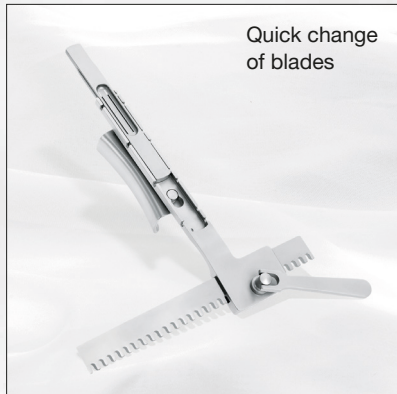


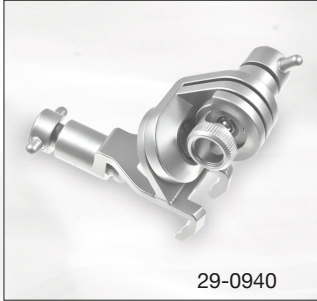
CardioFrame™

29-0955



Quick change of blades





29-0940



29-0955.40

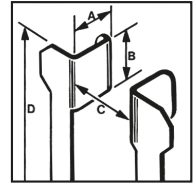


29-0956.40

CARDIOFRAME™

Now with a lower profile and deeper reach than ever! Universal sternum retractor system and operating platform.

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. A wide range of **GEISTER®** accessories can also be used with this platform. The system also accommodates some of the most common disposable flexible arms.

**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)

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



29-1430.CF



29-0943



29-0942L



29-0944L



Retractors



29-1495

Cooley-type-Sternum Retractor



Cooley-type Rake Retractor
rigid



29-1500.HL

29-1500.HM

29-1500.HS

29-1500.BH

Malleable
Retractor/Spatula

Fixation
Clamp

29-1500.FC



Retractors

GEISTER®

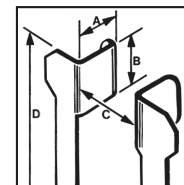
T-bar

29-1005.TS



Cooley-type 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-type T-bar Retractor, complete set

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

29-1500.US

T-bar Retractor, attachment only

for use with multiple types of sternal retractors

29-1501.US

(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)

	Width	Length	
T-bar turnable	70 mm		29-1005.TS
Fixation Clamp			29-1500.FC
Malleable Retractor/Spatula	20 mm	260 mm	29-1500.BH
Cooley-type Rake Retractor rigid	20 mm	240 mm	29-1500.HS
	35 mm	240 mm	29-1500.HM
	45 mm	240 mm	29-1500.HL

Recommended optional accessories:

Extention piece

(180 mm long) for extending t-bar or creating an L-shaped bar (extra fixation clamps 29-1500.FC are required)

29-1427

Cooley-type Rake Retractor tricuspid

45 mm

29-1500.HT

Cooley-type Rake Retractor malleable

20 mm

35 mm

45 mm

29-1430

29-1431

T-bar turnable, low profile

30 mm

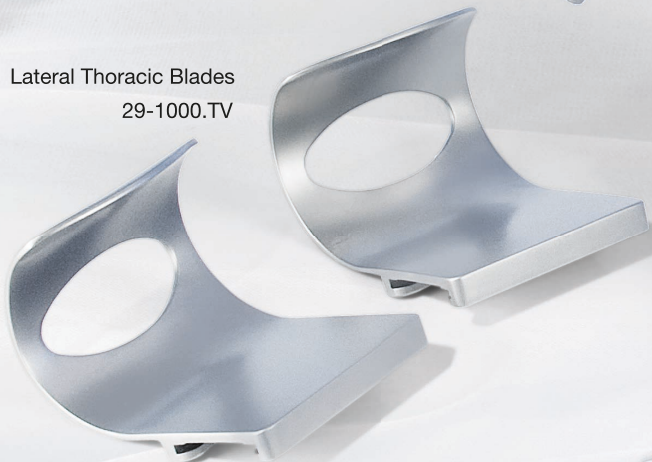
29-1432

29-1005.TL



Speroni™ One for All Retractor

Lateral Thoracic Blades
29-1000.TV

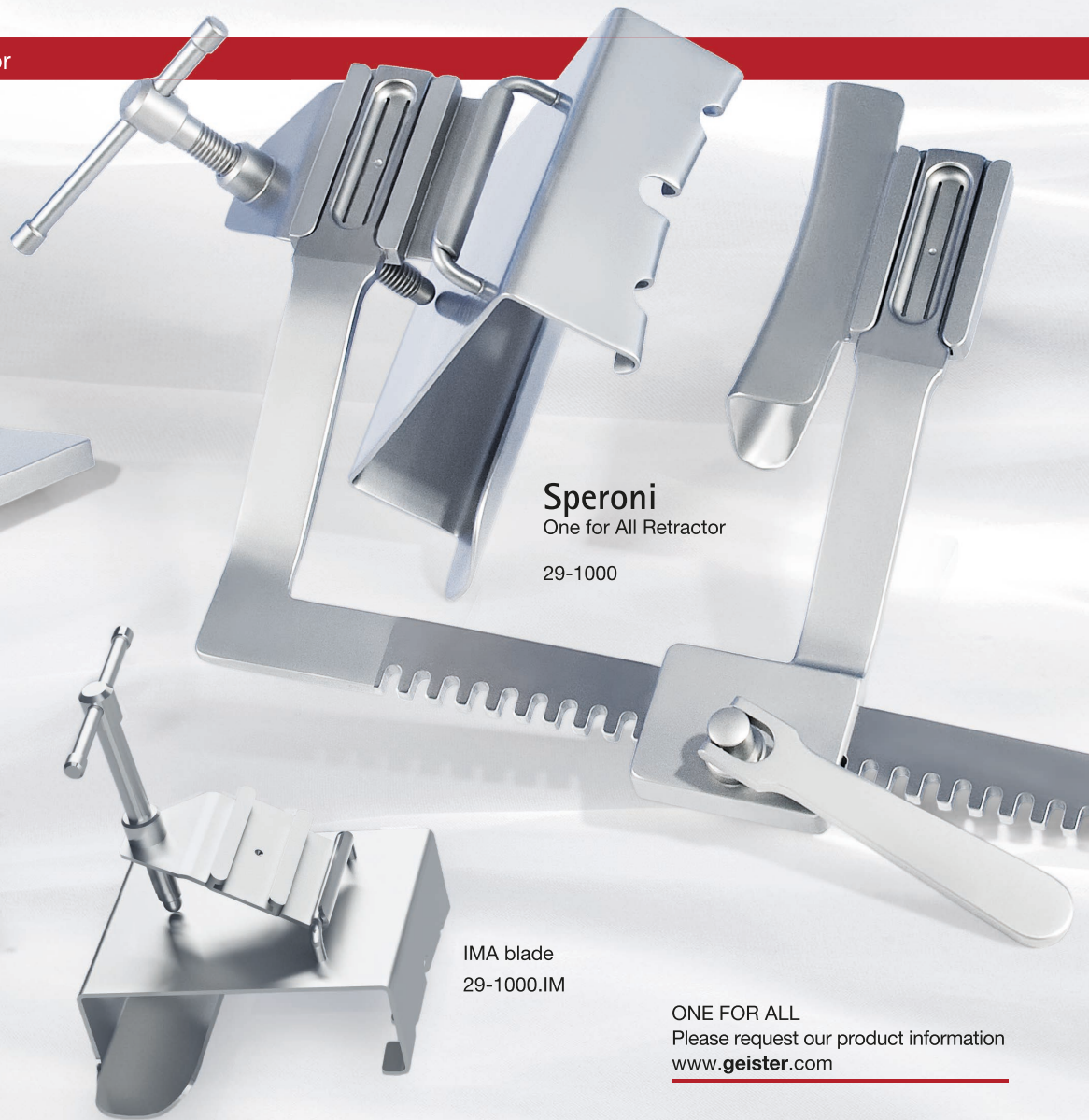


Sternum Blades
29-1000.SV/40



Speroni
One for All Retractor

29-1000



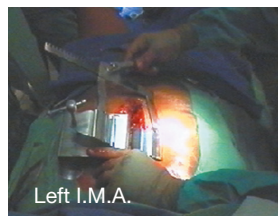
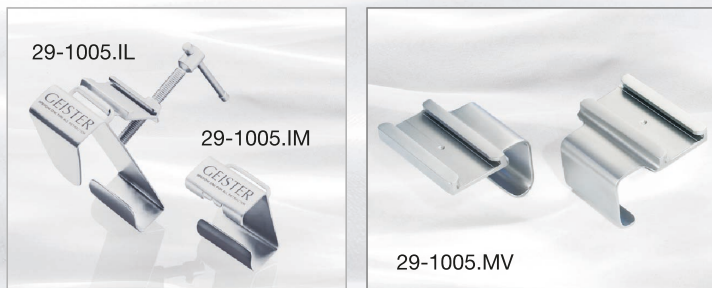
IMA blade
29-1000.IM



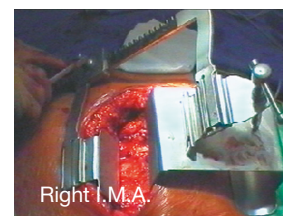
ONE FOR ALL
Please request our product information
www.geister.com

Speroni™ One for All Retractor

GEISTER®



Left I.M.A.



Right I.M.A.



Speroni™ One for All Retractor

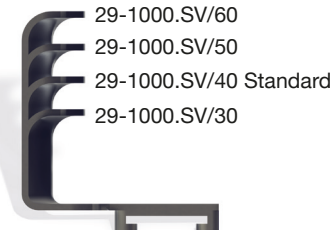
Art.-No.	A	B	C	D
29-1000	40 mm	100 mm	230 mm	160 mm
	50 mm	60 mm		

Optional blades:

29-1000.SV/30	30 mm	100 mm	pair
29-1000.SV/50	50 mm	100 mm	pair
29-1000.SV/60	60 mm	100 mm	pair
29-1005.MV	35 mm	42 mm	pair
29-1005.IL	Mini I.M.A. blade, long, 1 pcs		
29-1005.IM	Mini I.M.A. blade, short w/teeth, 1 pcs		

Optional Attachment:

29-1001	Retractor with complete Valve Set
29-1510	Valve, Attachment
29-1000.CV	Valve Blade for Speroni (1 pcs) 40 mm deep (standard)* with rod
29-1000.BH	Sternal-blade for Flexarm (pair)
29-1485	Flexarm, OPCAB
Cooley-type Accessories see page 418-419.	



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 with a wide variety of accessories making it truly "One for All"

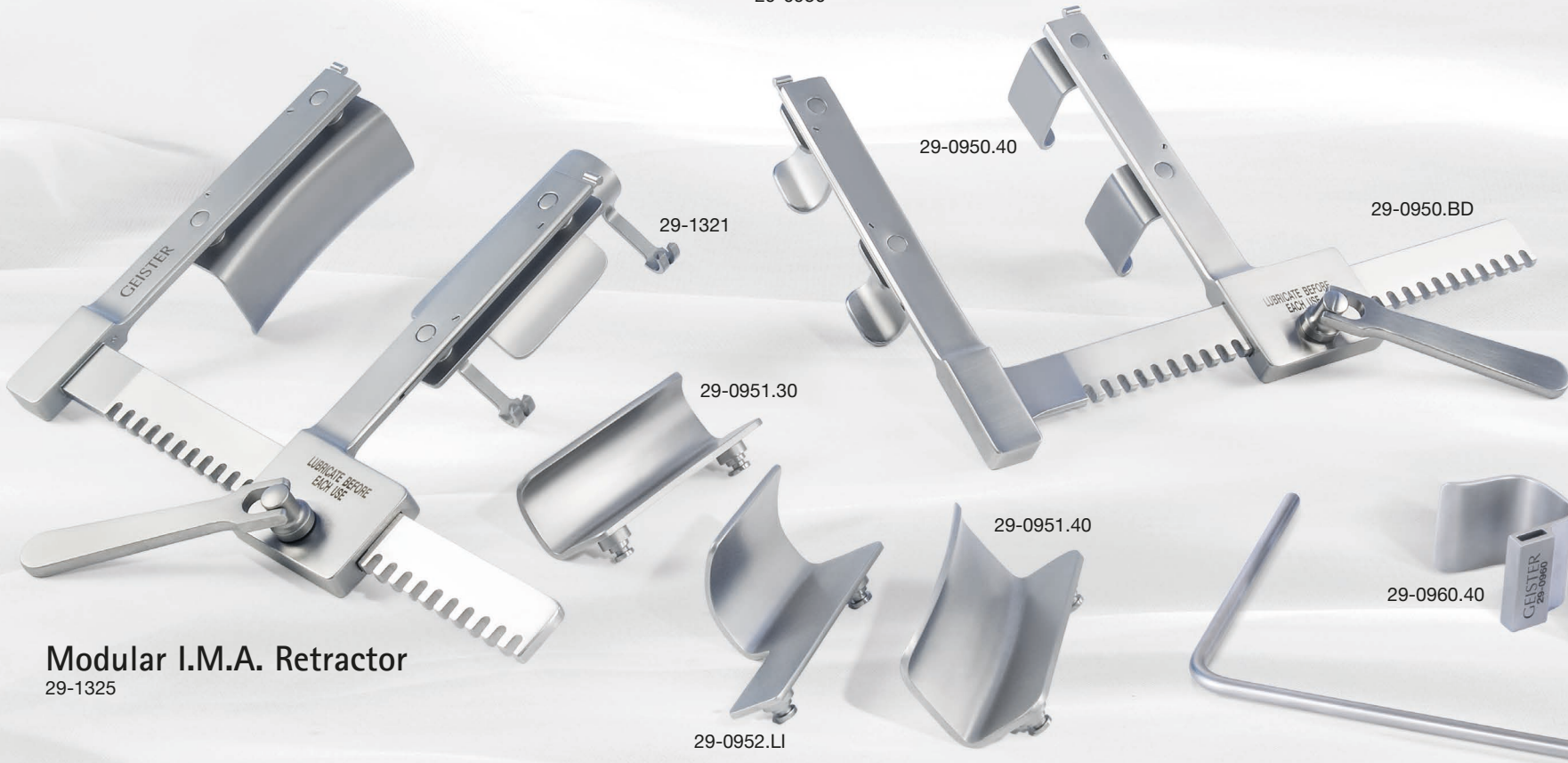
Developed in cooperation with Dr. Fabio Speroni, German Heart Institute Berlin.

*also available in 60 mm (29-1000.CV/60).



Modular Sternum Retractor

29-0950

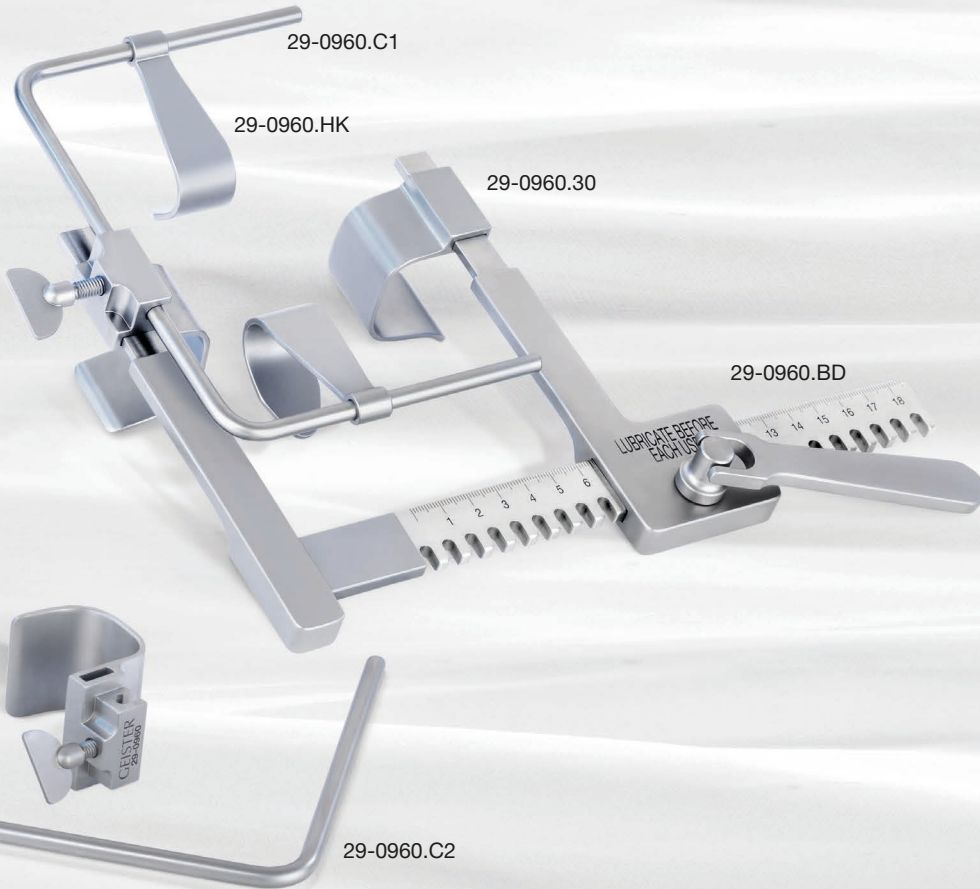


Modular I.M.A. Retractor

29-1325

Massetti-Babatasi Mini-Sternotomy Retractor

29-0950



Modular Sternum Retractor

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)

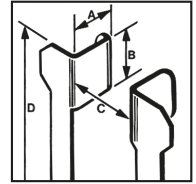
Optional extra blades for 29-0950

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



Massetti-Babatasi Mini-Sternotomy Retractor

Art.-No.	A	B	C	D
29-0960		130mm	130mm	

29-0960 includes

29-0960.BD Body only

29-0960.30 40 mm 30mm each 1 left and right (2)

29-0960.40 40 mm 40mm each 1 left and right (2)

29-0960.C1 C-Bar small 6 mm, 16 cm (1)

29-0960.C2 C-Bar large 6 mm, 21 cm (1)

29-0960.HK 35 mm 20mm each 1 left and right (2)

40 mm 20 mm each 1 left and right (2)

Modular I.M.A. Retractor

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

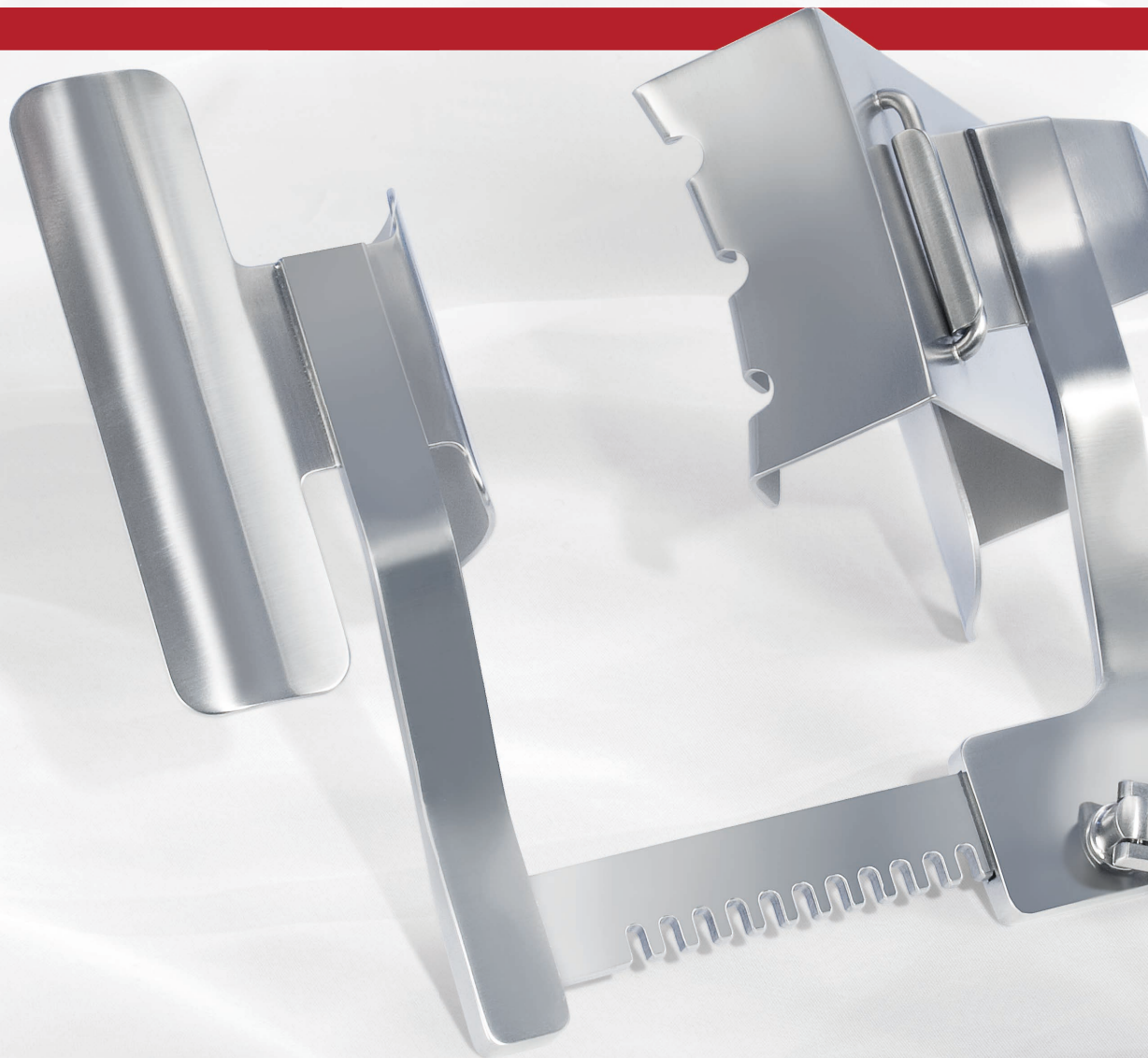
29-0950.30 30 mm 20 mm (4)

29-0950.40 40 mm 20 mm (4)



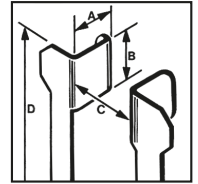
Bugge™
I.M.A. Retractor

29-1010



I.M.A. Retractor

GEISTER®

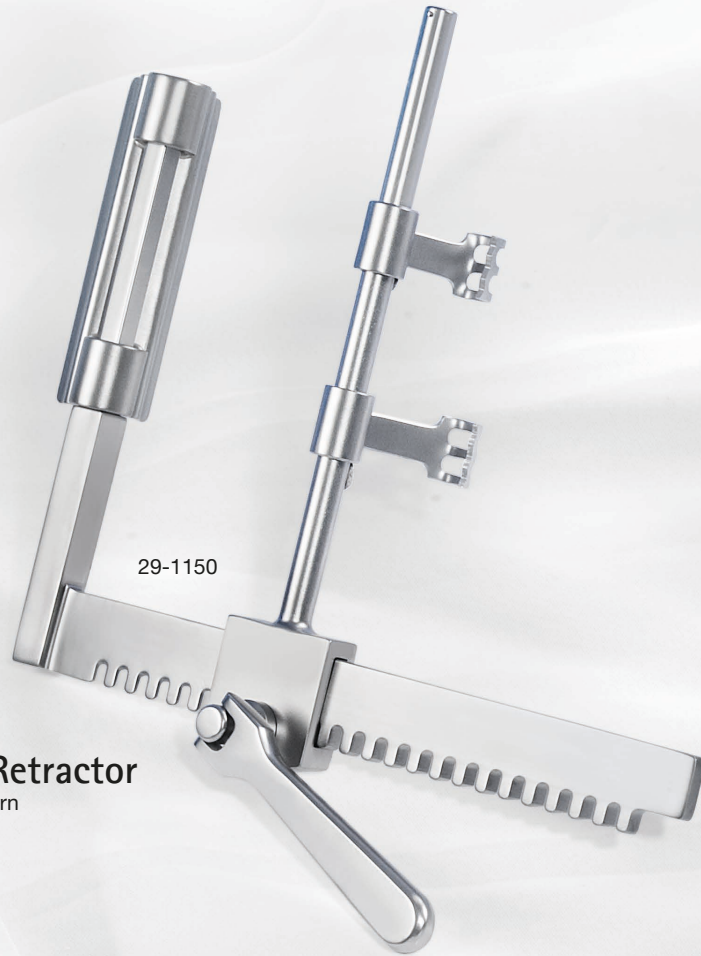
**Bugge™****I.M.A. Retractor**

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	80 mm	170 mm	130 mm	regular model

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



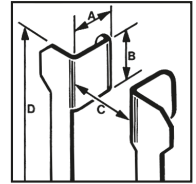
29-1150

I.M.A. Retractor
French pattern



29-1050

LUBRICAT
EA

**Dubost**

with 3 pairs of blades

Art.-No.	Fig.	A	B	C	D
29-1050	with 3 pairs of monobloc blades				200 mm
175 mm					
29-1050.30	L	30 mm	100 mm		
29-1050.40	XL	40 mm	100 mm		
29-1050.50	XXL	50 mm	100 mm		

I.M.A. Retractor French pattern

Art.-No.		A	B	C	D
29-1150	with 3 blades			150 mm	150mm
29-1150.CB	Sternum blade	20 mm	100 mm		
29-1150.CS	Blade short	28 mm	15 mm		
29-1150.CL	Blade long	32 mm	15 mm		

Optional extra blades

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

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.

Dubost

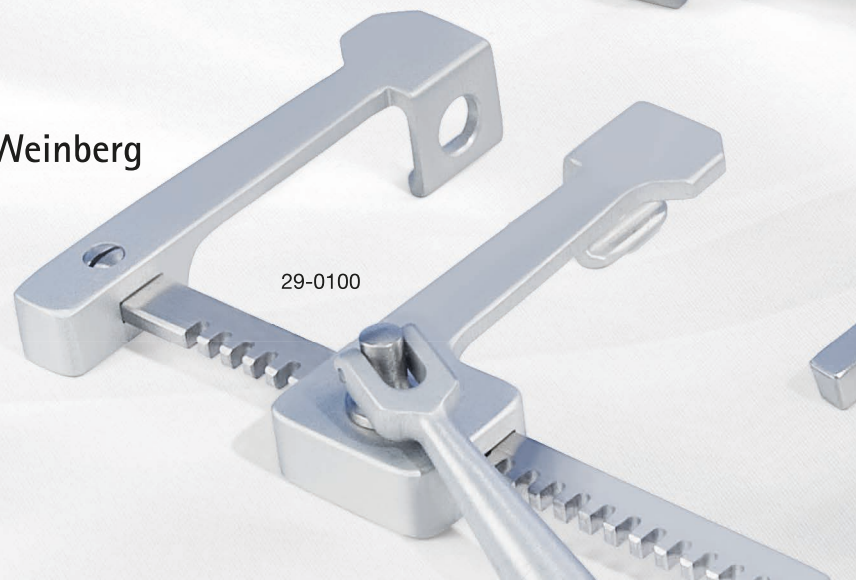




29-0102

Finochietto-Infant/Weinberg

Aluminium



29-0100



29-0105

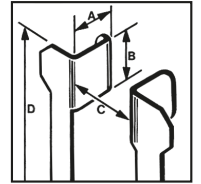
Finochietto-Baby-Haight

Aluminium

Mini-Finochietto

Stainless Steel

29-0090

**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**

29-0090

Fig.

XXS

A

6 mm

B

7 mm

C

36 mm

D

25 mm

Finochietto-Infant/Weinberg**Aluminium Steel**

29-0100

29-0100.RS

Fig.

XS

A

12 mm

B

15 mm

C

70 mm

D

55 mm

29-0102

29-0102.RS

S

12 mm

20 mm

95 mm

75 mm

Finochietto-Baby-Haight**Aluminium Steel**

29-0105

29-0105.RS

Fig.

M

A

28 mm

B

30 mm

C

100 mm

D

75 mm



Finochietto

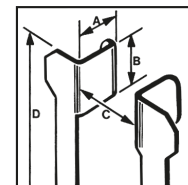
Aluminium



29-0114

29-0110

29-0112

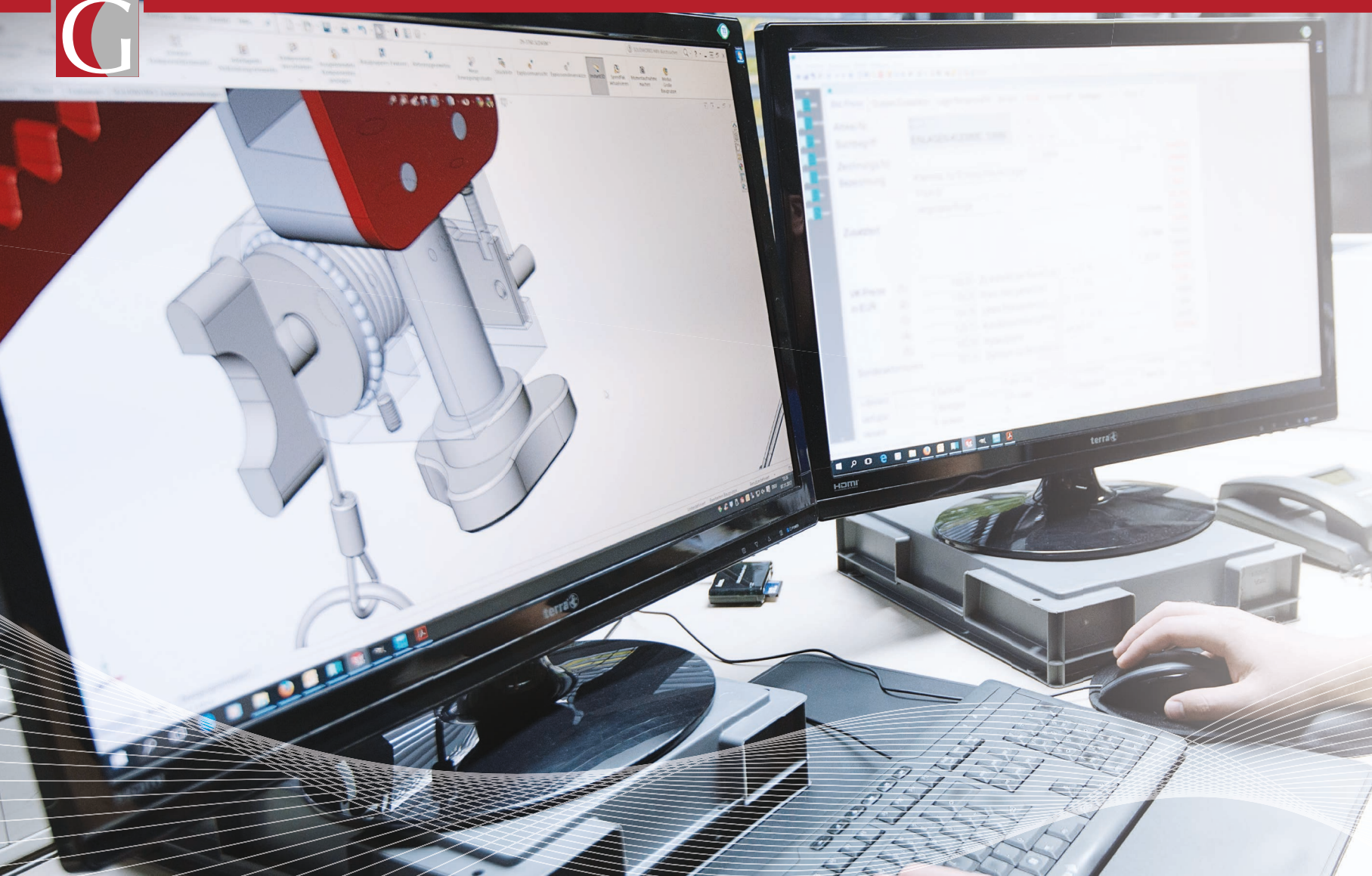


Aluminium

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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





R&D SOLUTIONS

With inspiration, motivation, and a pinch of creativity.

Greatest precision, best trueness and highest accuracy ensures the quality and reliability of care in surgery, but also in the fields of metrology, engineering, automotive and aviation and aerospace technology. Our qualified technicians are efficiently working with the latest machinery including advanced 5-axis CNC machining centers, which is also meet the requirements for the most complex parts, supported

by 3D CAD design software (SolidWorks), 2D CAD design software, CAM / CIM software (SolidCAM iMachining) and rapid prototyping.

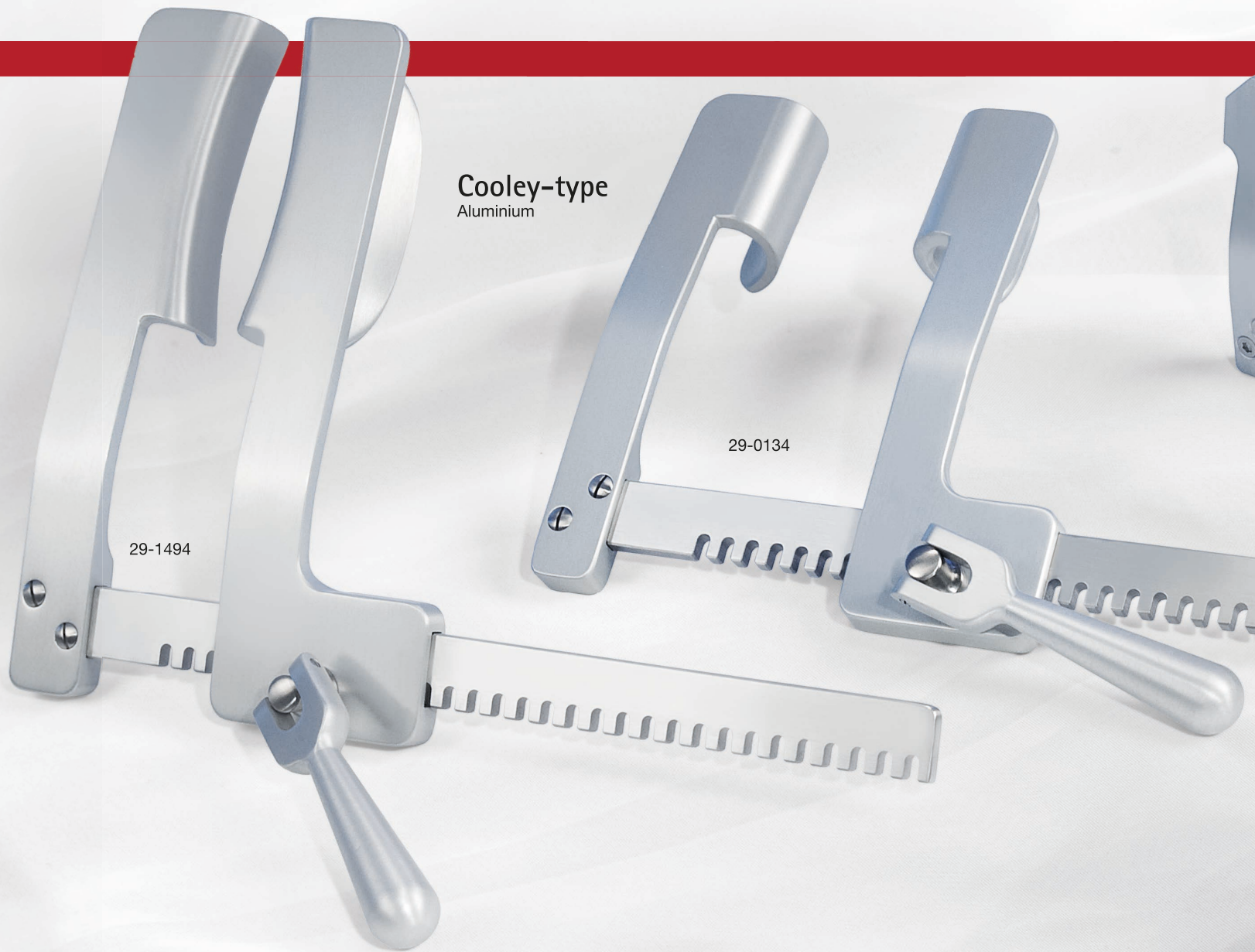
Benefit from our experience with various materials and our expertise in the field of surface treatments. With over 35 years of production experience, we can implement your projects effectively and quickly.



Cooley-type
Aluminium

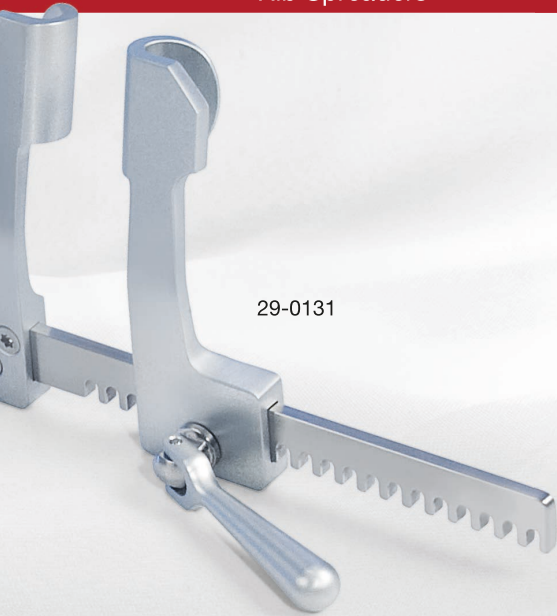
29-1494

29-0134



Rib Spreaders

GEISTER®



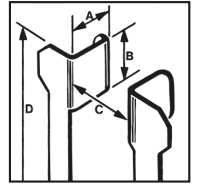
29-0131



29-0129

Aluminium

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**Cooley-type**


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	80 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	110 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	170 mm
29-1496	29-1495	XXL	35 mm	115 mm	230 mm	205 mm

with suture holder

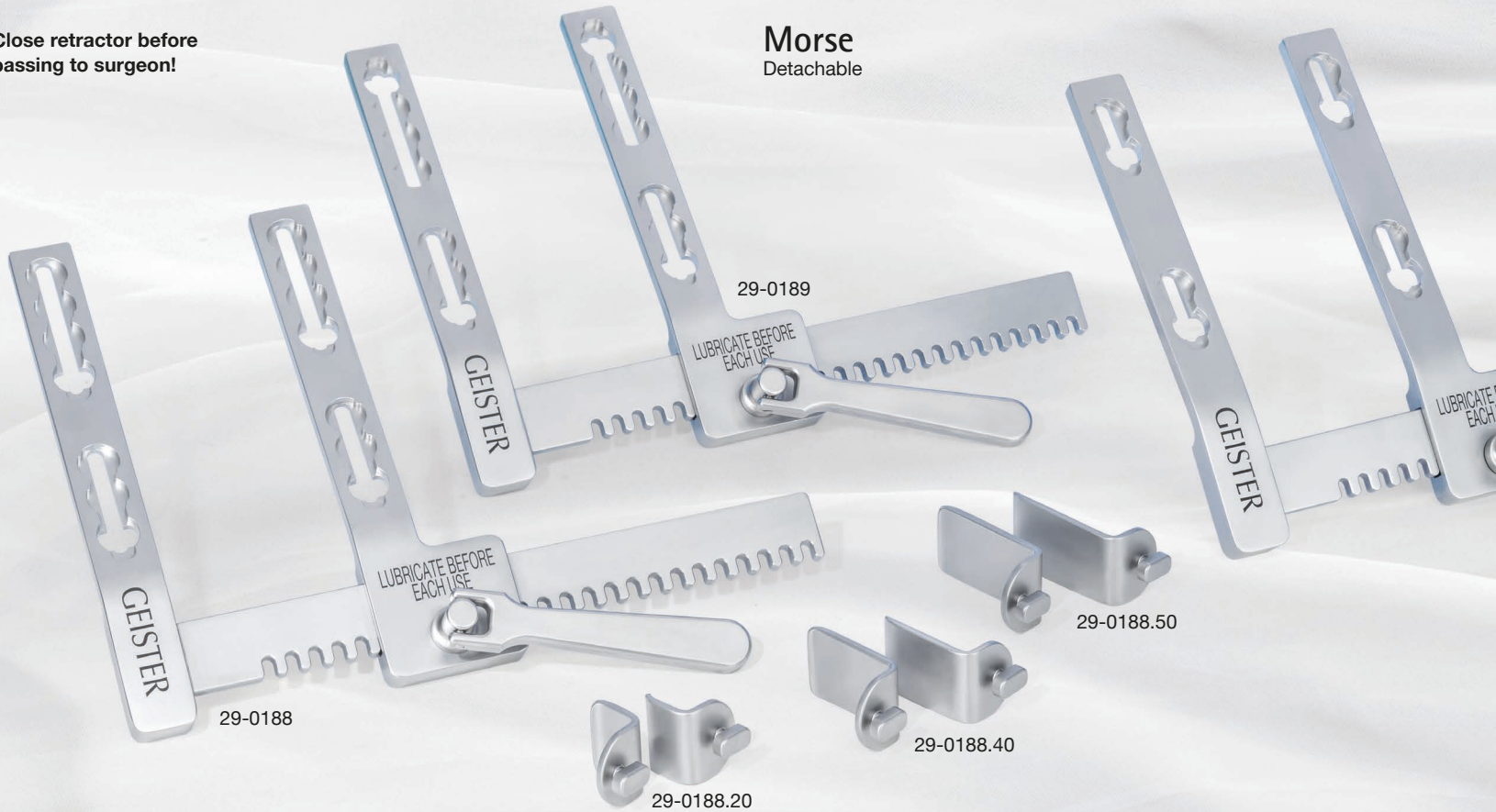
29-1490	29-1490.RS	XL	35 mm	100 mm	180 mm	180 mm
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* with stabilizing pins in blade



 **Close retractor before passing to surgeon!**

Morse
Detachable



29-0188

29-0189

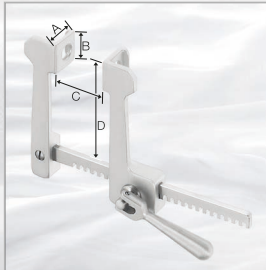
29-0188.20

29-0188.40

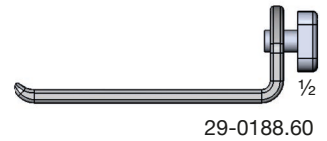
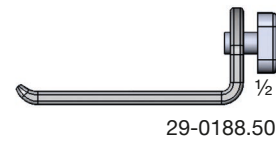
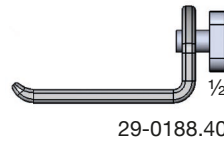
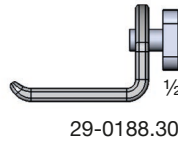
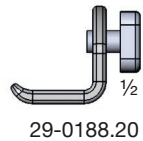
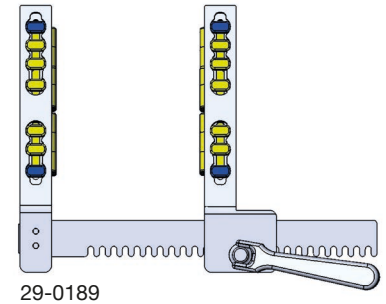
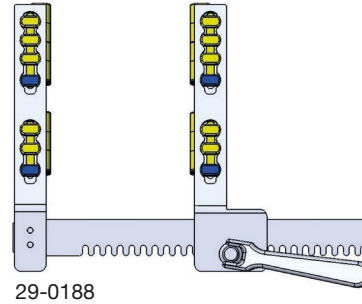
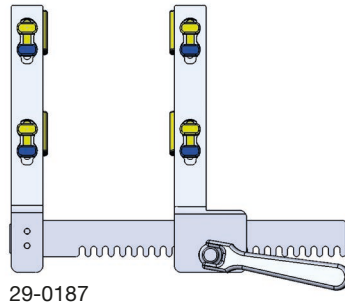
29-0188.50

Rib Spreaders

GEISTER®



● Plug-in
● Blades area



Morse without blades
Stainless steel, detachable

29-0187
29-0188
29-0189

Modified Thorax Version

C	D
180 mm	150 mm
195 mm	150 mm
195 mm	150 mm

Blades	A	B
29-0188.20	20 mm	28 mm
29-0188.30	30 mm	28 mm
29-0188.40	40 mm	28 mm
29-0188.50	50 mm	28 mm
29-0188.60	60 mm	28 mm



Morse
Aluminium

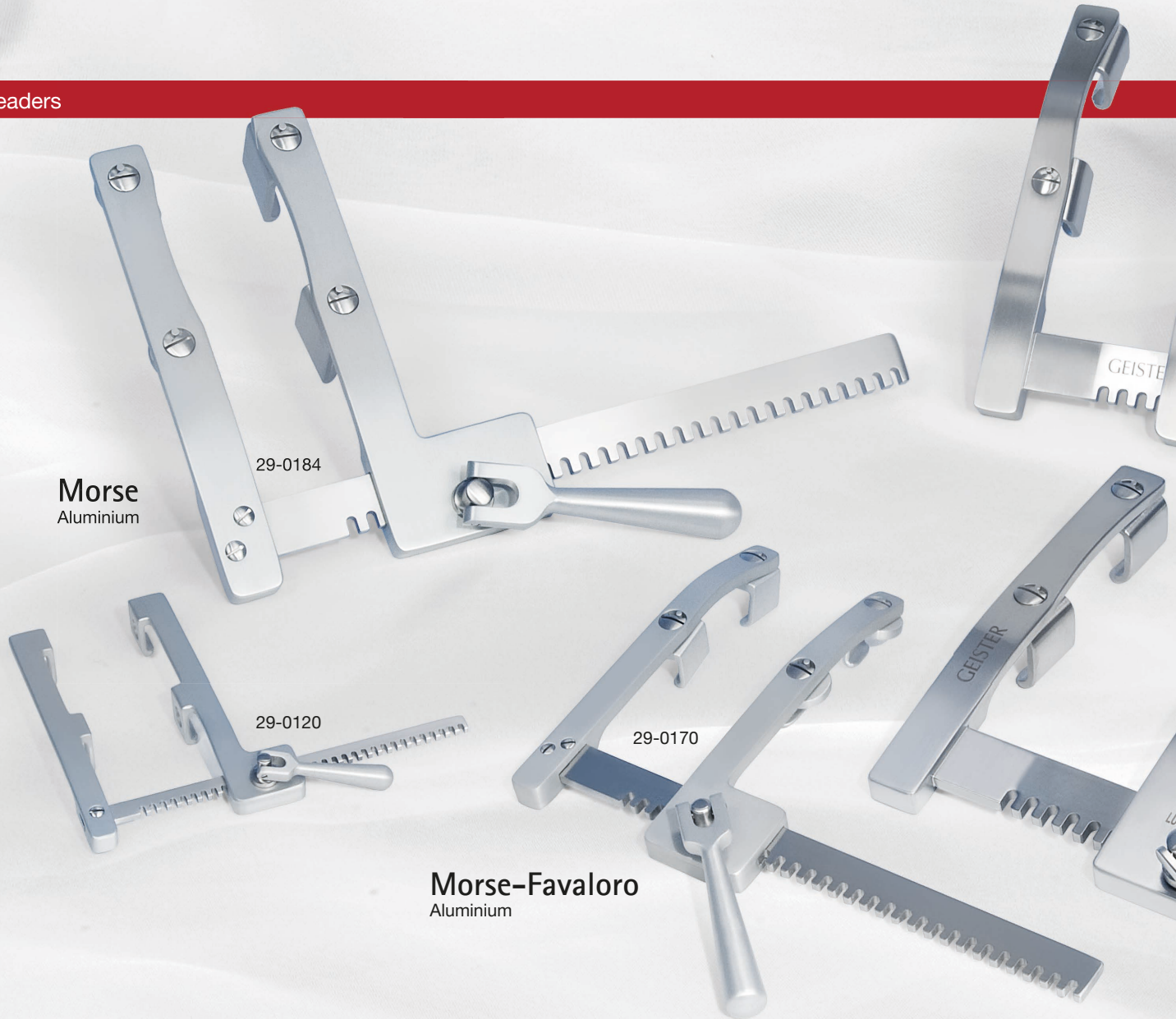
29-0184

Mod. Finochietto
Aluminium

29-0120

Morse-Favaloro
Aluminium

29-0170



Morse Mod. USA

Stainless Steel

29-0183.RS

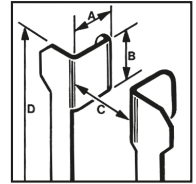
Morse

Stainless Steel

29-0182.RS

Aluminium

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**Mod. Finochietto****Aluminium**

29-0120

Fig.

S

A

10 mm

B

15 mm

C

120 mm

D

105 mm

blades

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



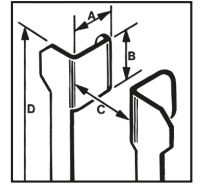
Burford-Finochietto
Aluminium

29-0154





29-0150



Aluminium

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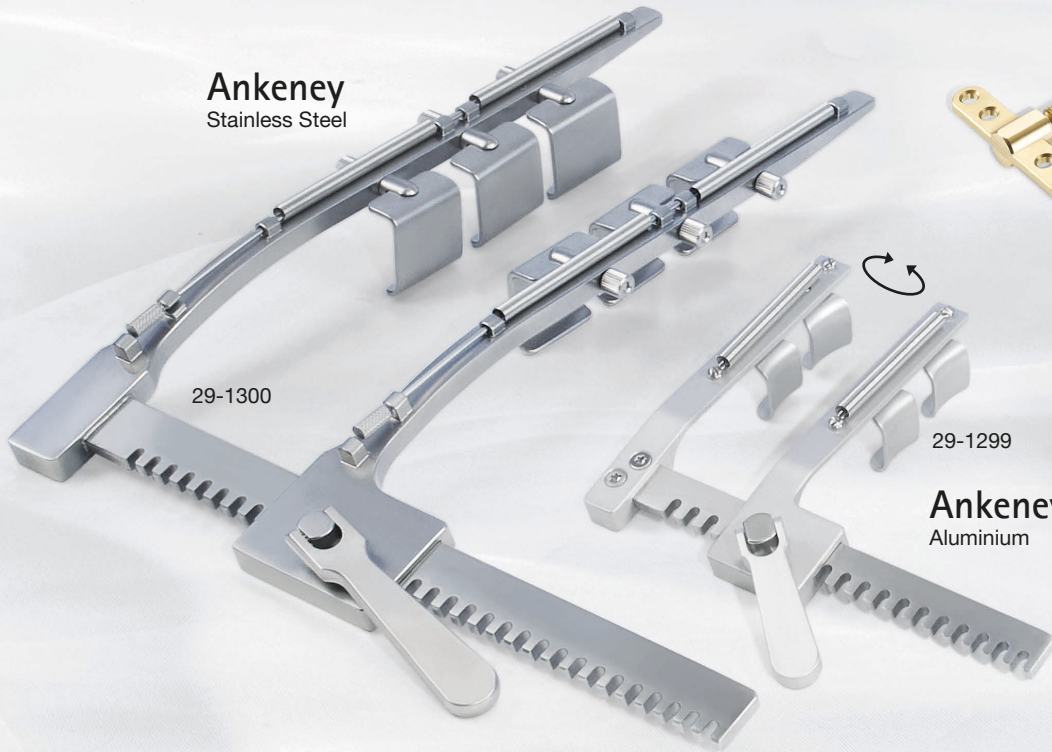
Burford-Finochietto with 2 pairs of blades

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	175 mm	195 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

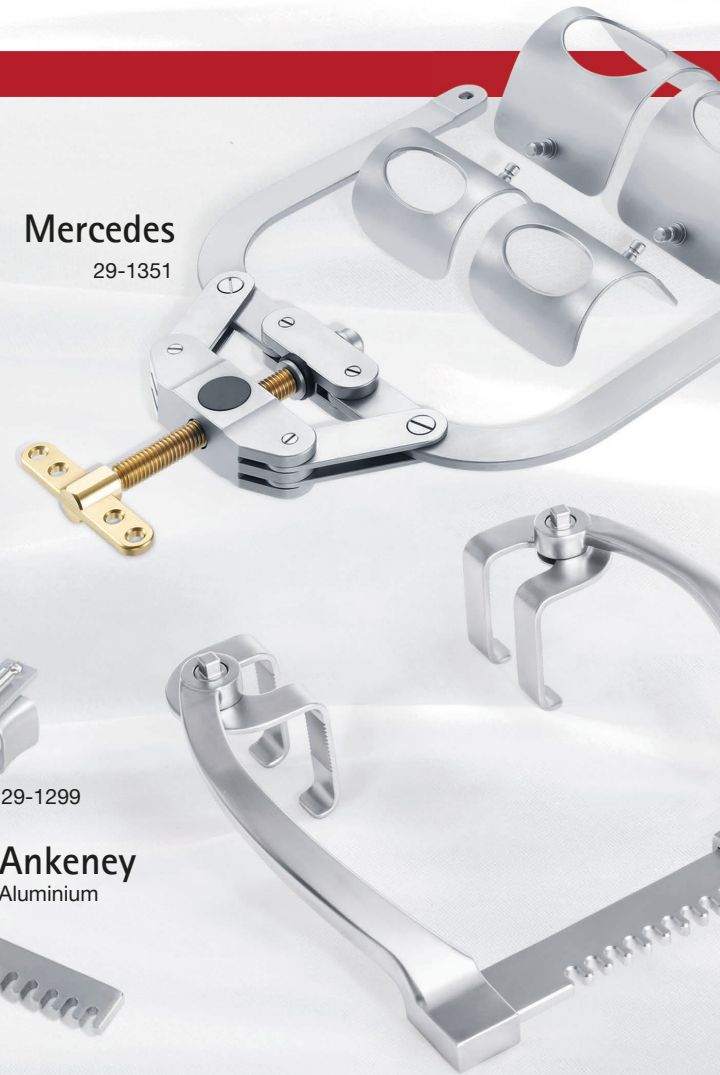


Ankeney
Stainless Steel

29-1300



Mercedes
29-1351



29-1299

Ankeney
Aluminium

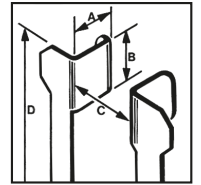
Rib Spreaders

GEISTER®

DeBakey-type

Stainless Steel

29-1370



Ankeney

Aluminium	Fig.	A	B	C	D
29-1299	M	20 mm	20 mm	125 mm	115 mm
Steel	Fig.	A	B	C	D
29-1300	XXL	33 mm	35 mm	220 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

Mercedes

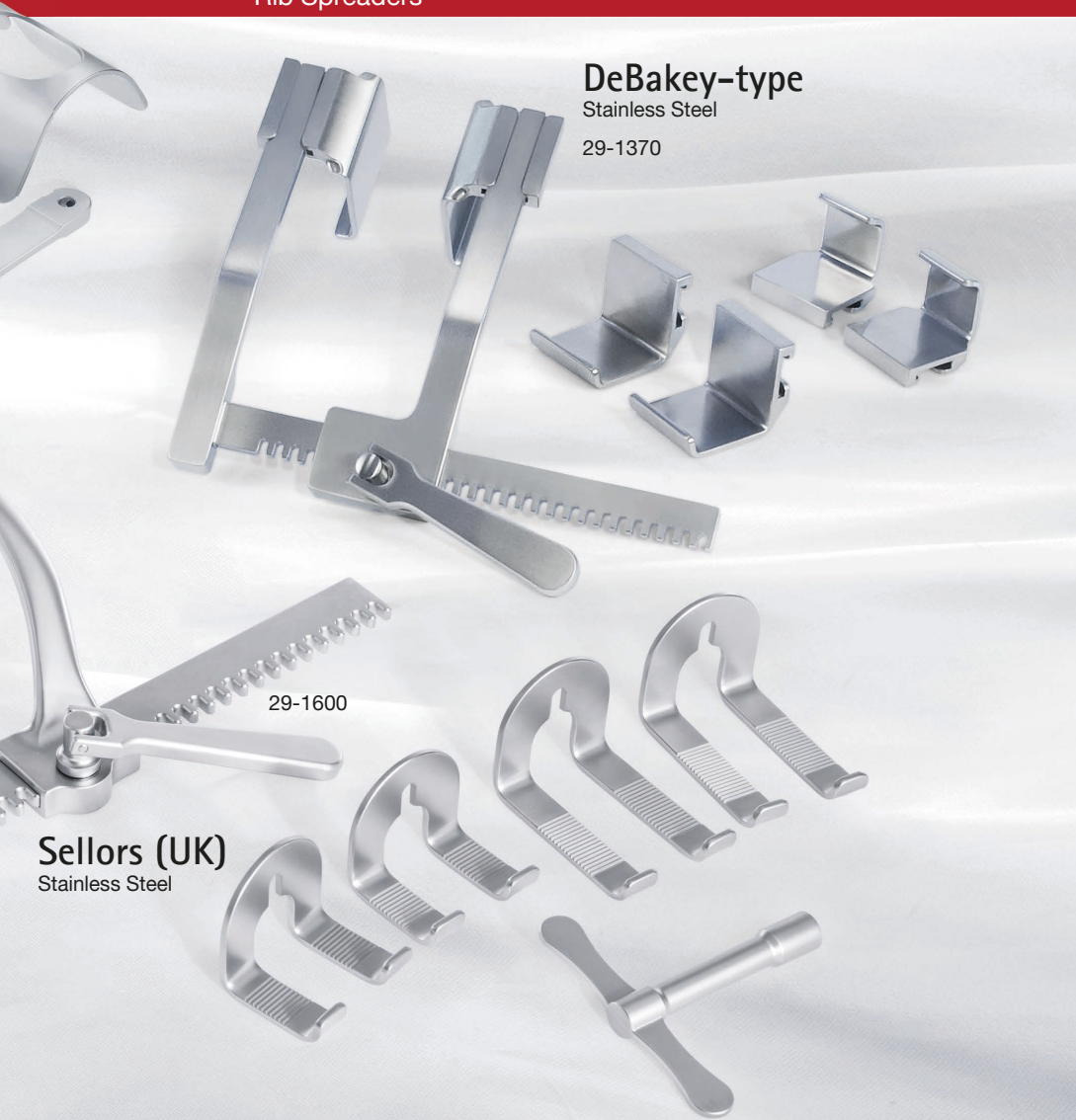
	Fig.	A	B	C	D
29-1351	L	75 mm	75 mm	280 mm	300 mm
		50 mm	65 mm		

DeBakey-type 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	40 mm	50 mm	200 mm	155 mm
		50 mm			
		70 mm			



29-1600

Sellors (UK)

Stainless Steel



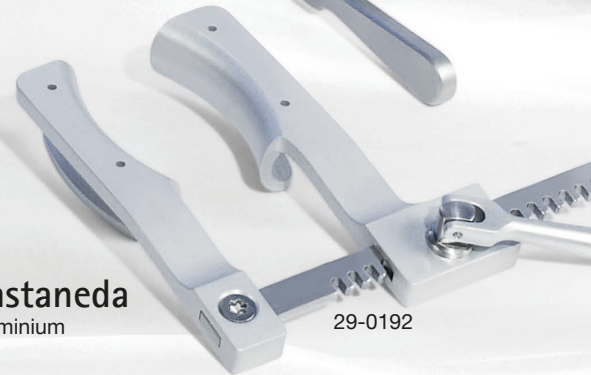
Speroni-Alexi Infant
Stainless Steel



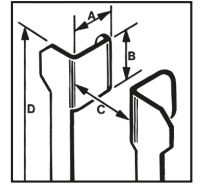
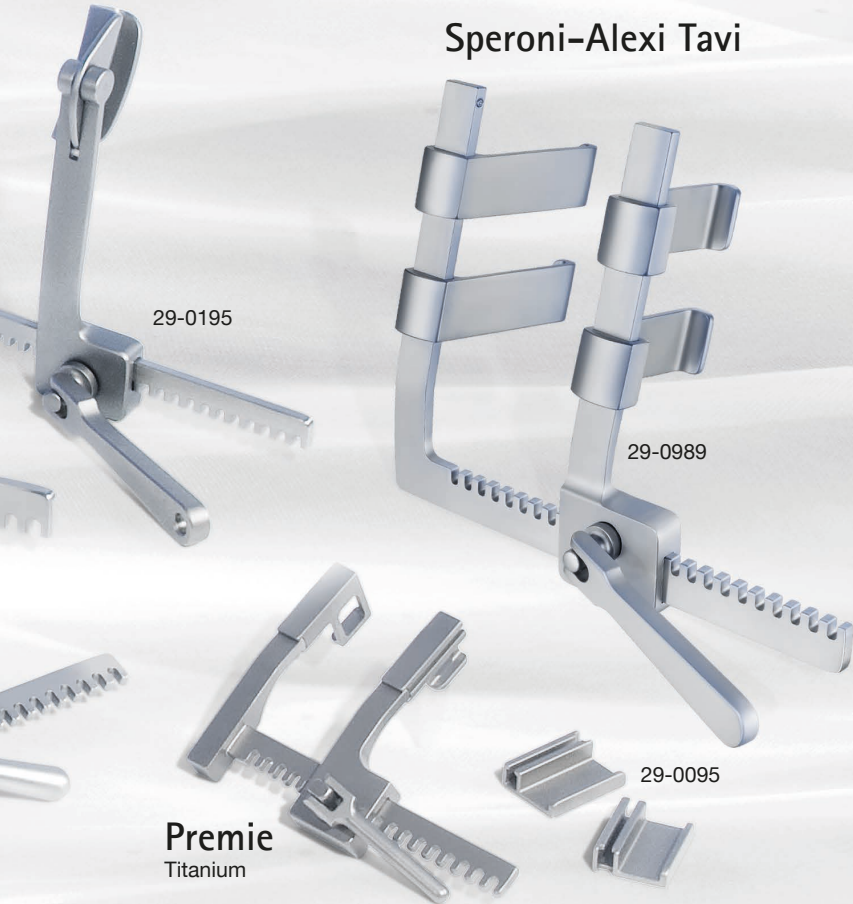
Eufrate-Pasqué
Stainless Steel



Castaneda
Aluminium



Speroni-Alexi Tavi



Premie with 2 pairs of blades

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

Castaneda

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

Speroni-Alexi Infant with 2x4 blades

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

Alexi Tavi

Steel	Fig.	A	B	C	D
29-0989	M	40 mm	20 mm	135 mm	120 mm
		50 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	10 mm	30 mm	65 mm	75 mm
29-0196	S	18 mm	45 mm	80 mm	90 mm
29-0197	M	18 mm	45 mm	90 mm	100 mm
29-0198	L	18 mm	55 mm	90 mm	85 mm



29-0220

Tuffier



Mini Thoracotomy

29-1400



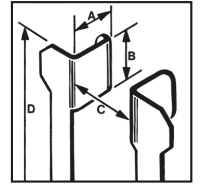


Rienhoff-Finochietto

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



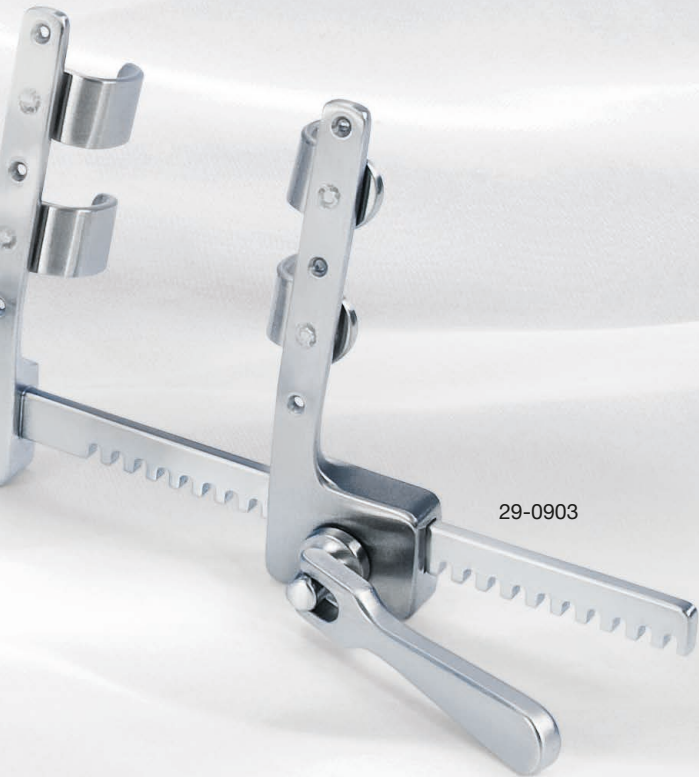
Amato Neonatal
Sternal Retractors



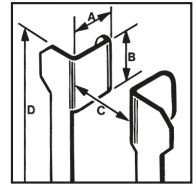
29-0905



29-0904



29-0903

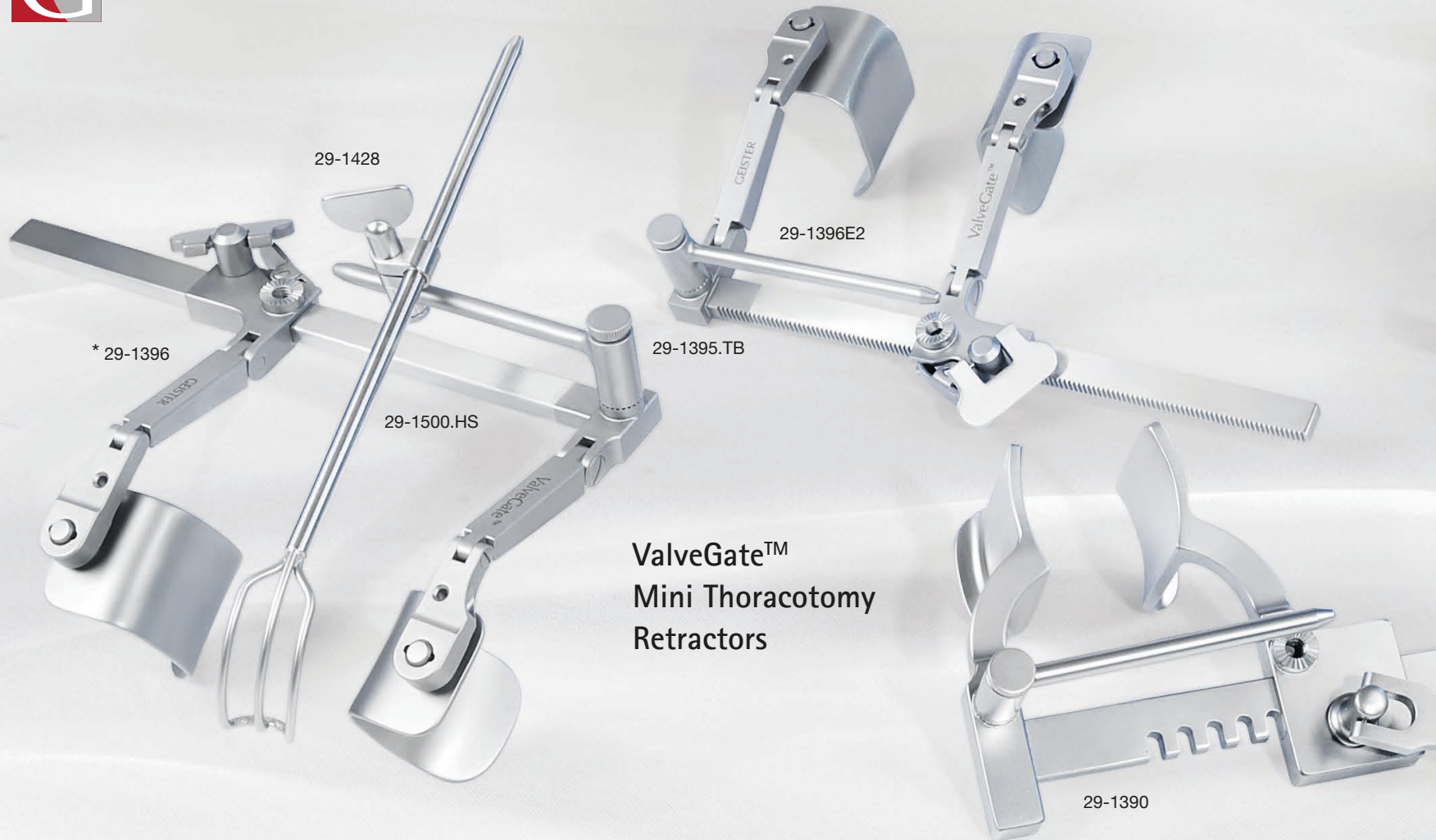


Amato Neonatal Sternal Retractors

Specifically designed by Joseph J. Amato (Rush University Medical Center, Chicago, U.S.A.) for use in the infant or small child surgery, 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

29-1395.TB

29-1396E2

ValveGate™
Mini Thoracotomy
Retractors

29-1390



ValveGate™ Mini-Thoracotomy Retractors
and turnable crossbar (detachable) for accessories

Art.-No.
Retractor
complete

29-1395	straight arms, tubular Blades
29-1390	curved arms, tubular Blades, with strong spreading bar
29-1390.45	curved arms, tubular Blades, with strong spreading bar
29-1390.80	curved arms, tubular Blades, with strong spreading bar

with hinged arms, exchangeable blades

29-1396	with 2 x 2 paralle blades
29-1396E2	with 2 x 2 tubular blades**
29-1396E3	with 3 x 2 tubular blades**

Art.-No. Blade Pair

	A	B	C	D
29-1396.40	60 mm	40 mm	90 mm	120 mm
29-1396.50	60 mm	40 mm	120 mm	75 mm
29-1396E.45	45 mm	40 mm	90 mm	75 mm
29-1396E.80	80 mm	40 mm	120 mm	75 mm
29-1396.40	35 mm	35 mm	165 mm	100 mm
29-1396E.50	50 mm	35 mm		
29-1396E.50	50 mm	40 mm	165 mm	100 mm
29-1396E.70	70 mm	40 mm		
29-1396E.30	30 mm	40 mm	165 mm	100 mm
29-1396E.50	50 mm	40 mm		
29-1396E.70	70 mm	40 mm		

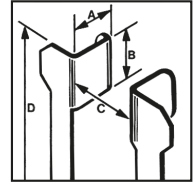
Art.-No.

Accessories Recommended Accessories

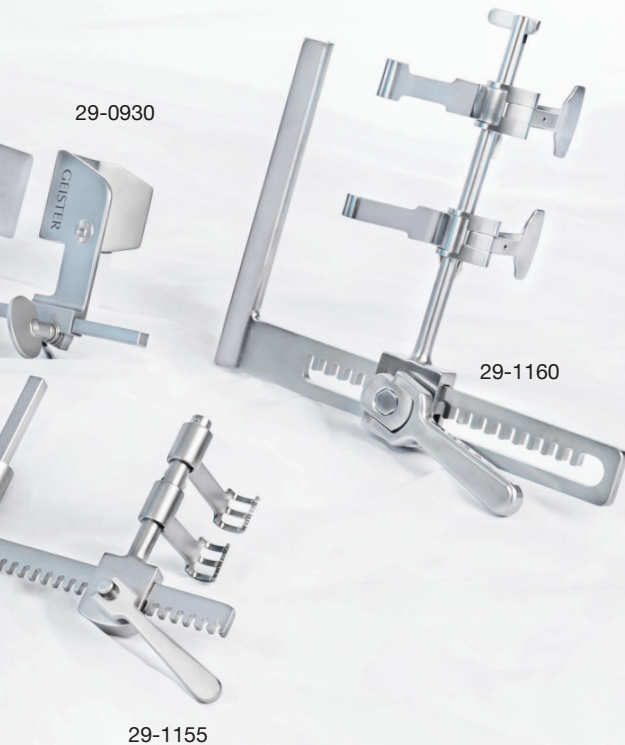
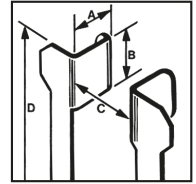
29-1395.TB	Extra turnable crossbar	
29-1500.HS	Cooley, rigid, curved basket	230 mm, 20 mm
29-1428	Fixation Clamp	Ø 6 mm
10-8000	Blade Changing Forceps (is including in 29-1396, 29-1396E2, 29-1396E3)	

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

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







29-0930

29-1160

29-1155

Thorax-Lifter Retractor

for MIDCAB a.o.

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

left side open

Art.-No.

29-1120

right side open

Art.-No.

29-1121

A mm	B mm	C mm	D mm
115	40		120
90	40		
70	40		
45	40		
35	40		

Mini IMA Retractor, French-type

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

Berdar IMA Retractor IMAGate™

Art.-No.	A mm	B mm	C mm	D mm
29-1156	11	60		155
	21	60		
	26	60		
	56	50		

French Model IMA Retractor

Art.-No.	A mm	B mm	C mm	D mm
29-1160	37	12	180	150
	37	20		

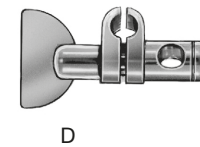
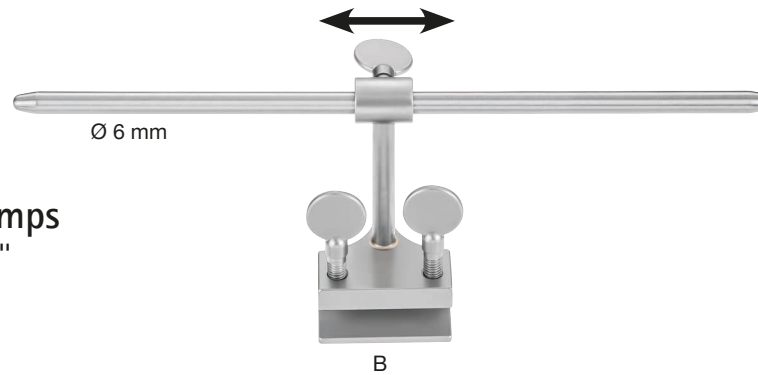
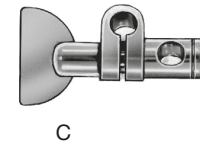
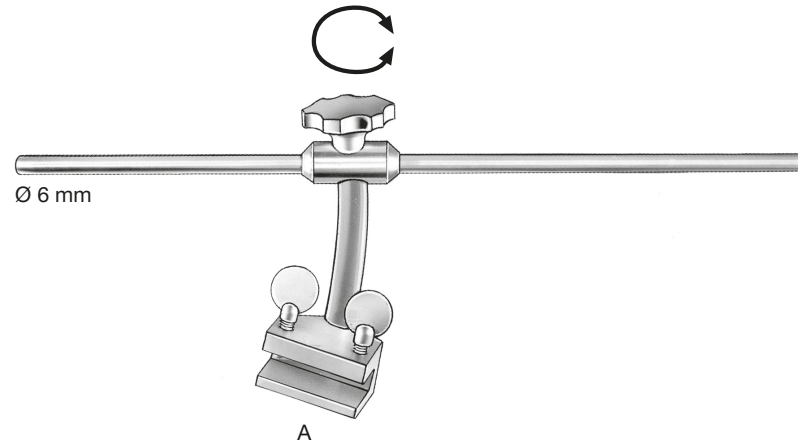
Retractor

Art.-No.	A mm	B mm	C mm	D mm
29-0930	55	50	95	85
	65	50		

small version

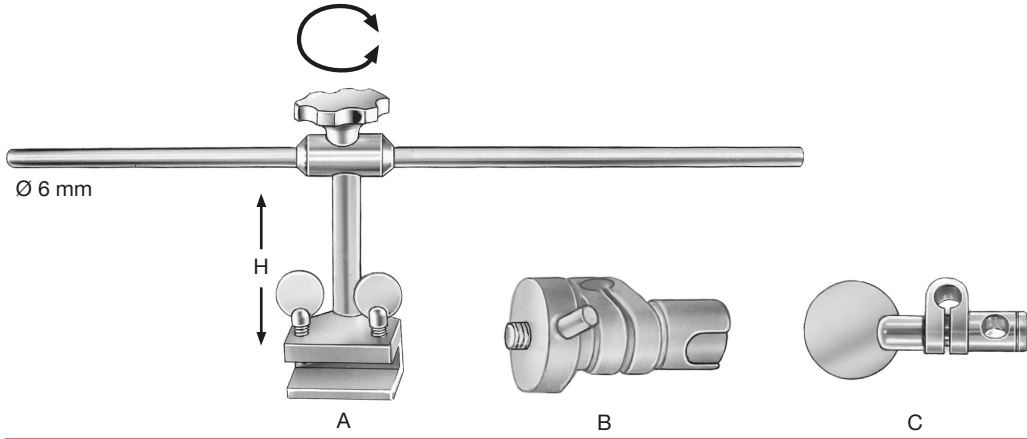
Art.-No.	A mm	B mm	C mm	D mm
29-0929	45	40	95	85
	55	40		

* bold = shown



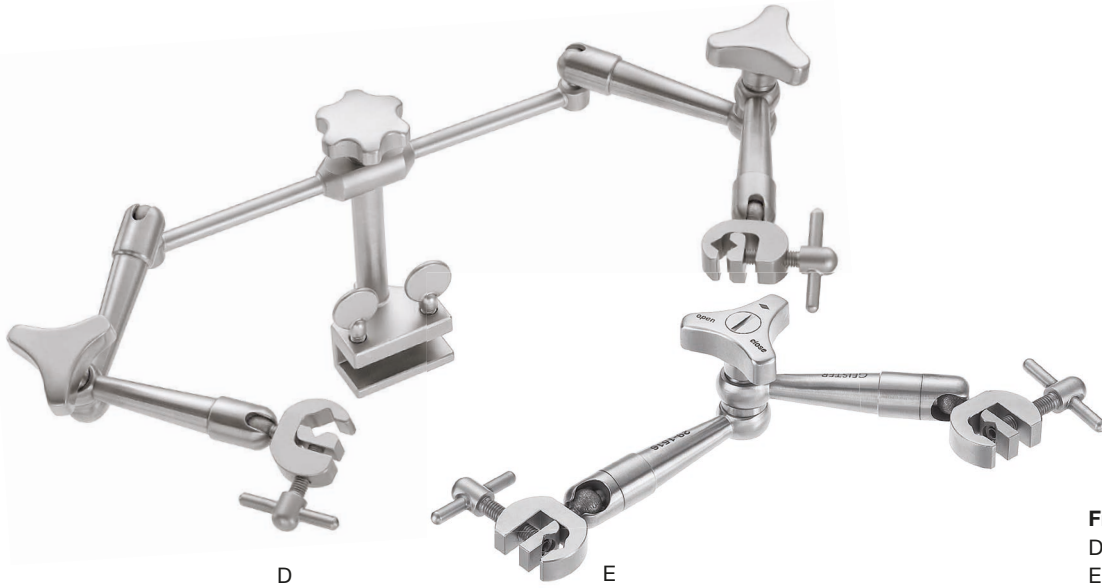
T-bars and Fixation Clamps

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



T-bars and Fixation Clamp

Fig.	Art.-No.	$\varnothing \text{ mm}$	Length mm / "	Hight mm
A	29-1005.TS 29-1005.TL	6	200 / 10	60 30
B	29-1511	6		
C	29-1500.FC	6		

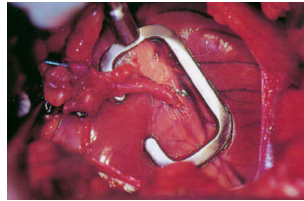


Mini Iron Assistant™

Fig.	Art.-No.	Hight mm
D	29-1515	60
E	29-1516	



Lectiang Stabilizer, large



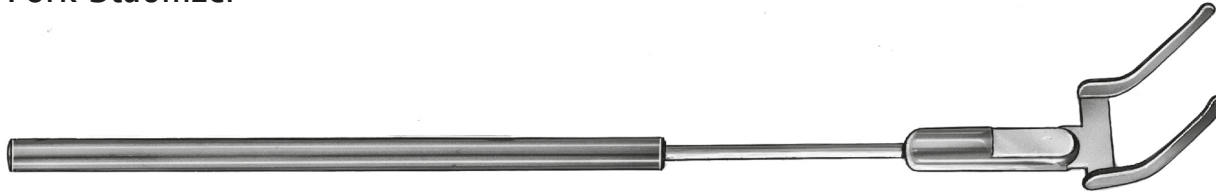
Lectiang Stabilizer, small



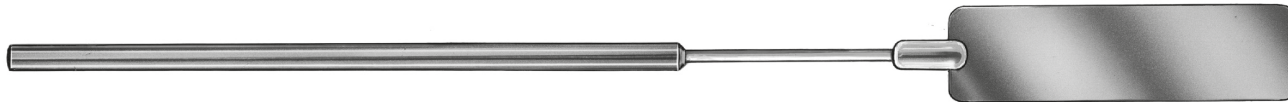
**Lectiang Stabilizer
large**
Art.-No.
29-1436

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

Fork Stabilizer



Multipurpose Spatula



Bulldog Clamp / Holder

**Fork Stabilizer****Art.-No.**

29-1435

Multipurpose Spatula**Art.-No.**

29-1437

Bulldog Clamp / 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, 24 cm

Art.-No.

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

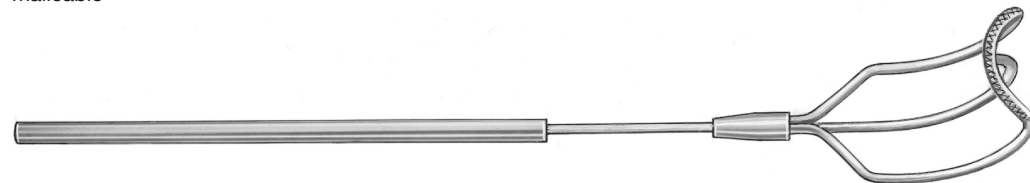
Cooley-type Rake Retractor malleable, 26 cm

Art.-No.

29-1430	20 mm	small
29-1431	35 mm	medium
29-1432	45 mm	large

Cooley-type Rake Retractor

malleable



Cooley-type Rake Retractor

rigid

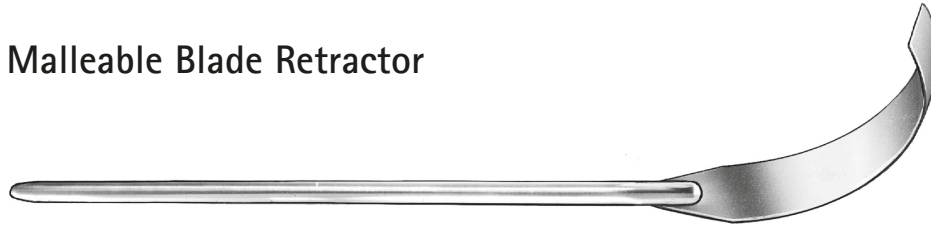


29-1500.HS



29-1500.HT

Malleable Blade Retractor



Malleable Illumination Arm



Cooley-type Rake Retractor rigid, 24 cm

Art.-No.	Length/Width	
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 Rake Retractor, 26 cm

Art.-No.
29-1500.BH

Malleable Illumination Arm

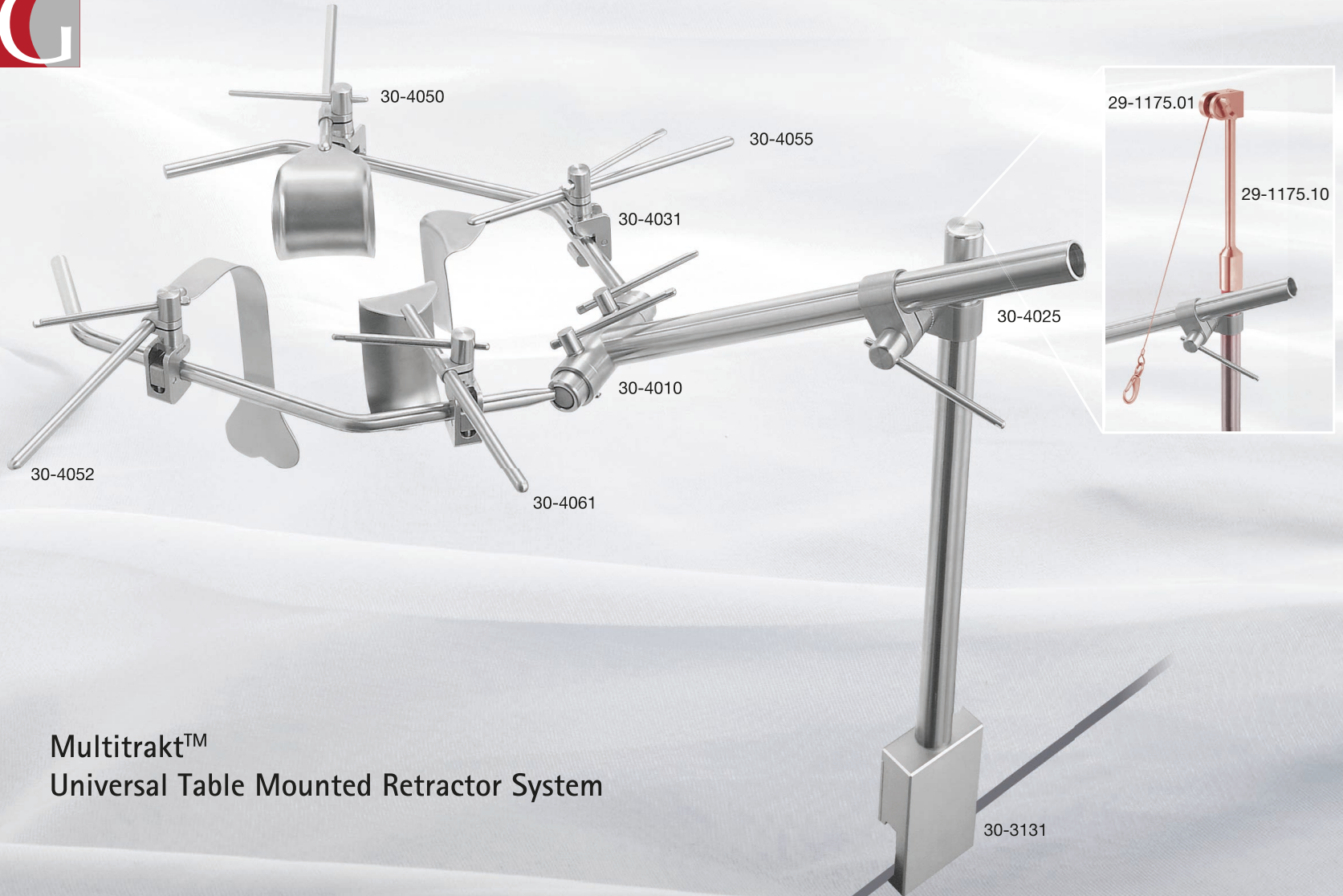
fits onto almost all available rib
spreaders.

Angelini

Art.-No.
29-1215 Storz-type connector



Multitrakt™ Universal Table Mounted Retractor System



Multitrakt™
Universal Table Mounted Retractor System

Complete Universal Retractor System

Includes

30-4000	Consisting of:	
Art.-No.	Description	qty.
30-4010	Retractor Frame	1
30-3131	Table Clamp with vertical post	1
30-4025	Post Coupling	1
30-4031	Retractor Clamp (over the post, snap-on version)	6
	Standard Retractor Blades (1 each, see next column)	6

Standard Retractor Blades

Art.-No.	Description
30-4050	Balfour, 65 x 75 mm / 2½ x 3"
30-4052	Harrington, Standard
30-4055	Malleable, 200 x 75 mm / 8 x 3"
30-4056	Malleable, 150 x 50 mm / 6 x 2"
30-4060	Kelly, 50 x 65 mm / 2 x 3"
30-4061	Kelly, 50 x 100 mm / 2 x 4"

Optimal extras

Art.-No.	Description
30-4027	Extension Bridge to connect the frame ends (Liver Bridge)
30-4030	Retractor Clamp (slide-on)
29-1175.01	Crank-Box with Wire-Lift and Hook
29-1175.10	Upper handle bar

Optional Bariatric Blades

Art.-No.	Description
30-4053	Harrington, 90 x 200 mm / 3½ x 8"
30-4057	Malleable 75 x 25 mm / 3 x 10"
30-4058	Malleable 100 x 300 mm / 4 x 12"
30-4062	Kelly 65 x 25 mm / 2½ x 10"
30-4070	Joe's Hoe 90 x 175 mm / 3½ x 6½"
30-4075	Deaver 100 x 180 mm / 4 x 7"

Multitrakt™ Universal Table Mounted Retractor System

A multipurpose 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

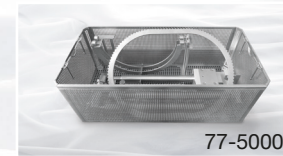
+ Now Available with Bariatric Blades

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

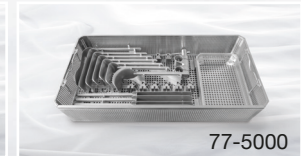
+ Retractor arms can be independently moved in all directions and tightened into position.



Bauchmeister™ Table Mounted Abdominal Retractor System



77-5000



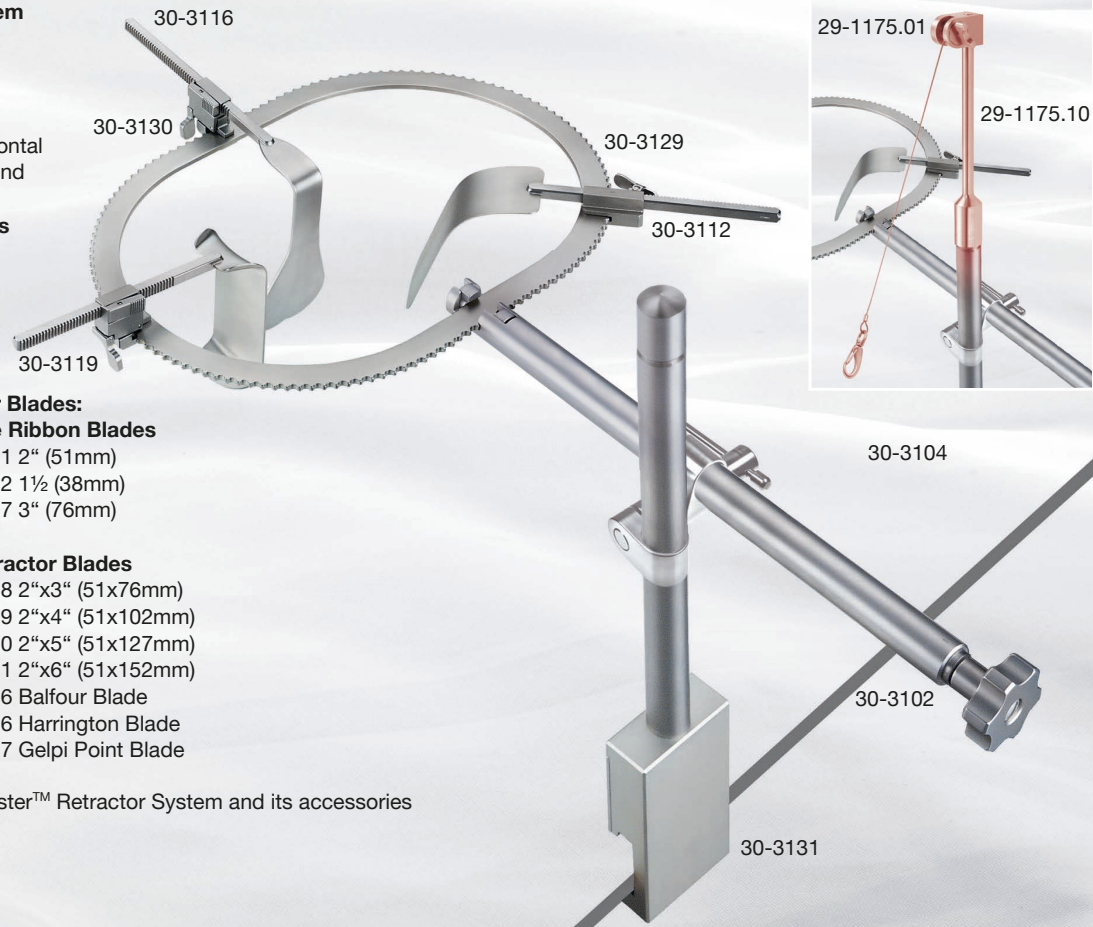
77-5000

Bauchmeister™ 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 Bauchmeister™ 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 with lids) for Bauchmeister™ Retractor System and its accessories
- 29-1175.01 Crank-Box with Wire-Lift and Hook
- 29-1175.10 Upper handle bar

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



A



B



C



D

Order information

Fig.	Art.-No.	Description
A	30-3129	Standard Ratched
B	30-3130	Tilting Ratchet
C	30-3128	Rotating and Tilting Ratchet
D	30-3104	Post Coupling 25 mm / 1''
E	30-3132	Horizontal Flex Bar 360° rotation
F	30-3102	Horizontal Bar 25 mm / 1''
	30-3103	Vertical Extension Bar 25 mm / 1'' Length 305 mm / 12''
G	30-3131	Table Post 25 mm / 1''



E



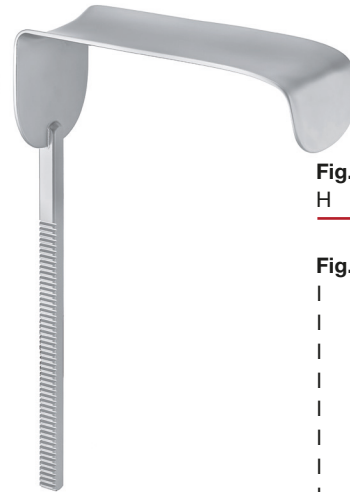
F



G



H



I

Retractor Blades

Harrington Blade

Fig.	Art.-No.	Description
H	30-3116	63 x 143 mm / 2½ x 5½''

Kelly Blade

Fig.	Art.-No.	Description
I	30-3118	51 x 76 mm / 2 x 3''
I	30-3119	51 x 102 mm / 2 x 4''
I	30-3120	51 x 127 mm / 2 x 5''
I	30-3121	51 x 152 mm / 2 x 6''
I	30-3122	51 x 63 mm / 2 x 2½''
I	30-3113	51 x 51 mm / 2 x 2''
I	30-3115	51 x 38 mm / 2 x 1½''
I	30-3124	25 x 38 mm / 1 x 1½''
I	30-3125	25 x 63 mm / 1 x 2½''



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



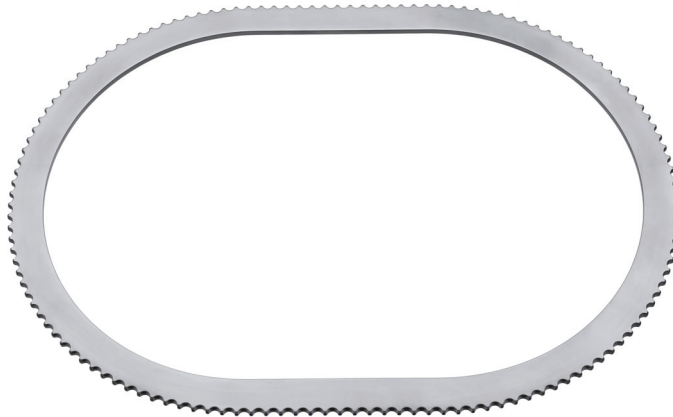
B



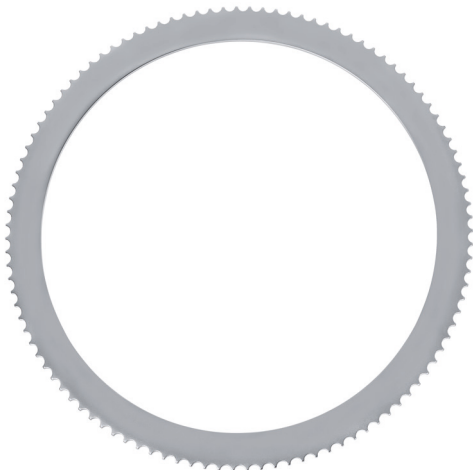
C



D



A



B



C

Rings

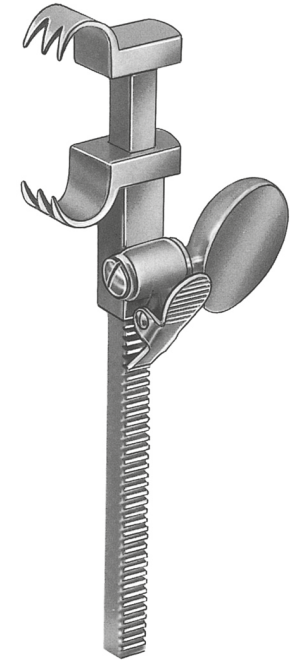
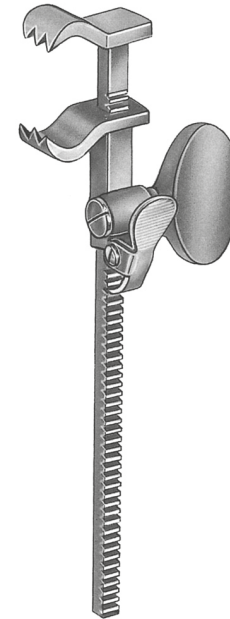
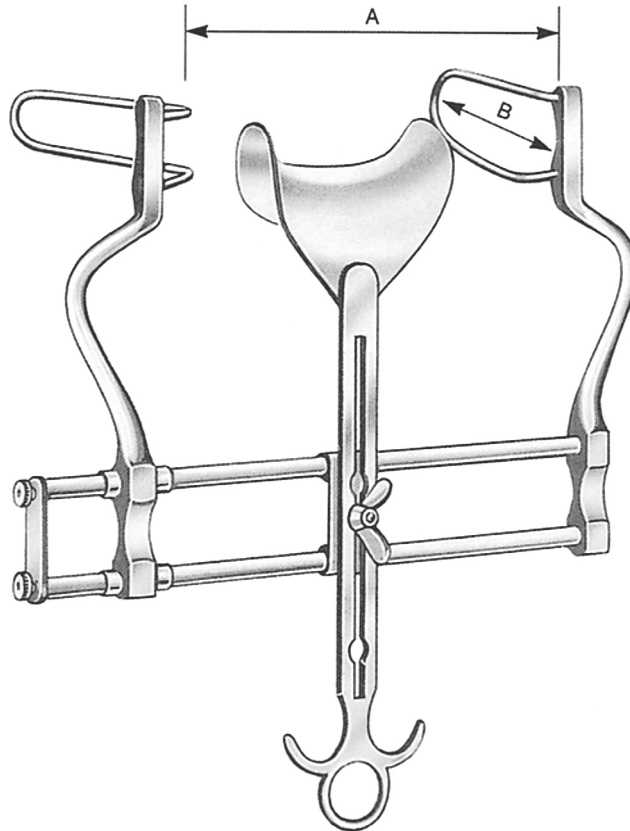
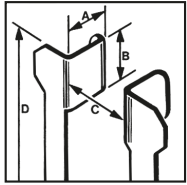
Art.-No.	Fig.	Description
30-3106	A	Oval Ring, large 12"x18½" (267x470mm)
30-3107	A	Oval Ring, medium 10"x14½" (267x368mm)
30-3108	A	Oval Ring, small 8"x12¼" (203x311mm)
30-3110	B	Round Ring, large 12½" (317mm)
30-3109	B	Round Ring, medium 10½" (266mm)
30-3134	B	Round Ring, small 8½" (216 mm)
30-3138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

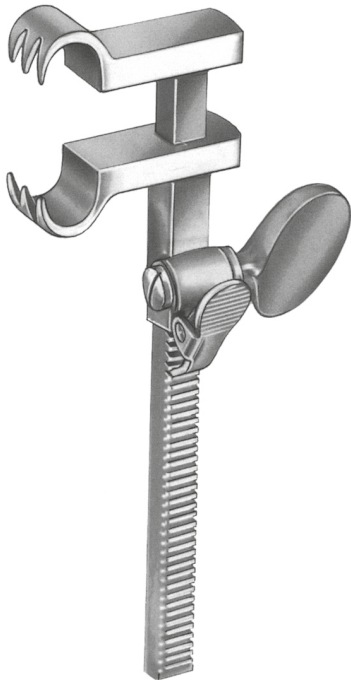
Bailey-Baby

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

**Bailey
short arm**

Art.-No.	Length
29-0320	165 mm/6¼"

Bailey-Gibbon



Sellors



Lemmon

**Bailey-Gibbon****long arm**

Art.-No.	Length
29-0325	200 mm/8"

Sellors

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

Lemmon

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

**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 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 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

Spring Wire Retractor**1 x 1 semi-sharp prongs**

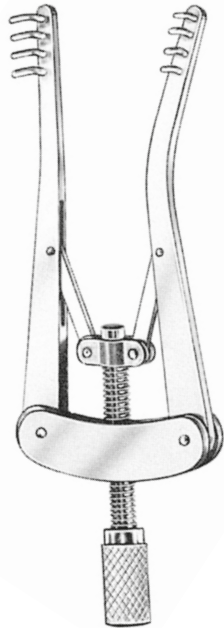
Art.-No.	Size	Length
30-1000	Medium	40 mm

Spring Retractor**Finsen Spring Retractor****Nitinol Spring Retractor**

with superelastic memory effect

**Spring Wire Retractor**

Alm



Weitlaner

**Alm****Art.-No.**

30-0900

sharp

Length

10 cm/4"

30-0910

sharp

7 cm/2½"

30-0901

blunt

10 cm/4"

30-0911

blunt

7 cm/2½"

Weitlaner**Art.-No.**

30-0590

sharp

Length

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

24 cm/9½" 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

24 cm/9½" 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

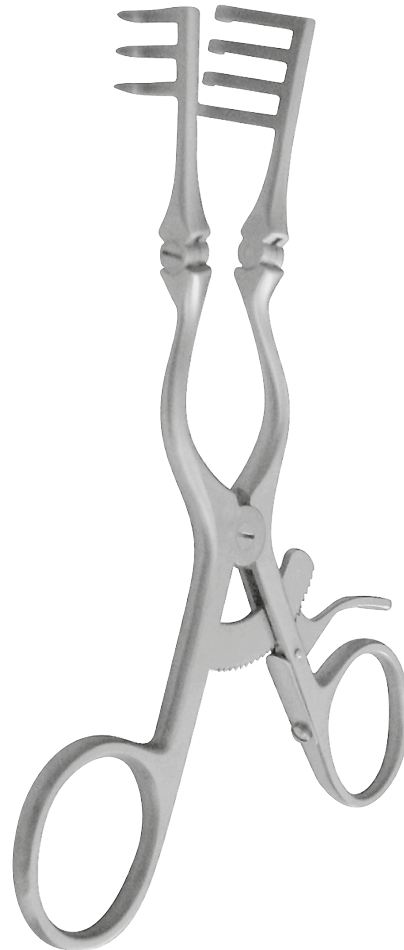
30-0617

blunt

24 cm/9½" 3 x 4



Cone



West's (UK)

**Cone**

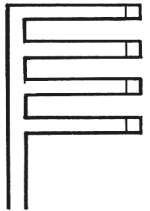
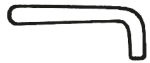
Art.-No.		Length	prongs
30-0640	sharp	13 cm/5"	3 x 4
30-0642	sharp	16 cm/6¼"	3 x 4
30-0644	sharp	20 cm/8"	3 x 4
30-0641	blunt	13 cm/5"	3 x 4
30-0643	blunt	16 cm/6¼"	3 x 4
30-0645	blunt	20 cm/8"	3 x 4

West's (UK)

Art.-No.		Length	prongs
30-0599		14 cm/5½"	3 x 4

Henly

Self-retaining



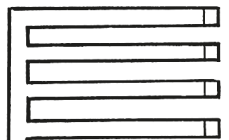
A



B



C



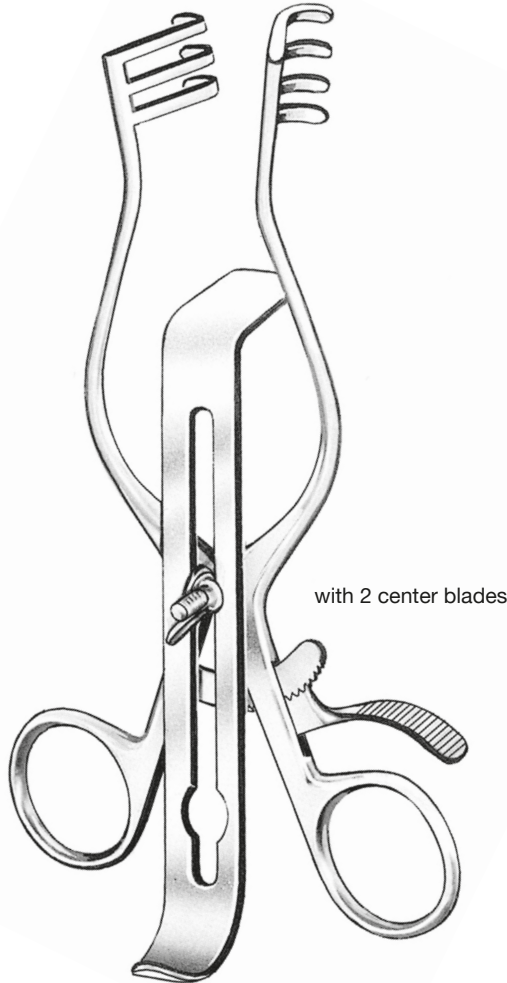
D



E



F



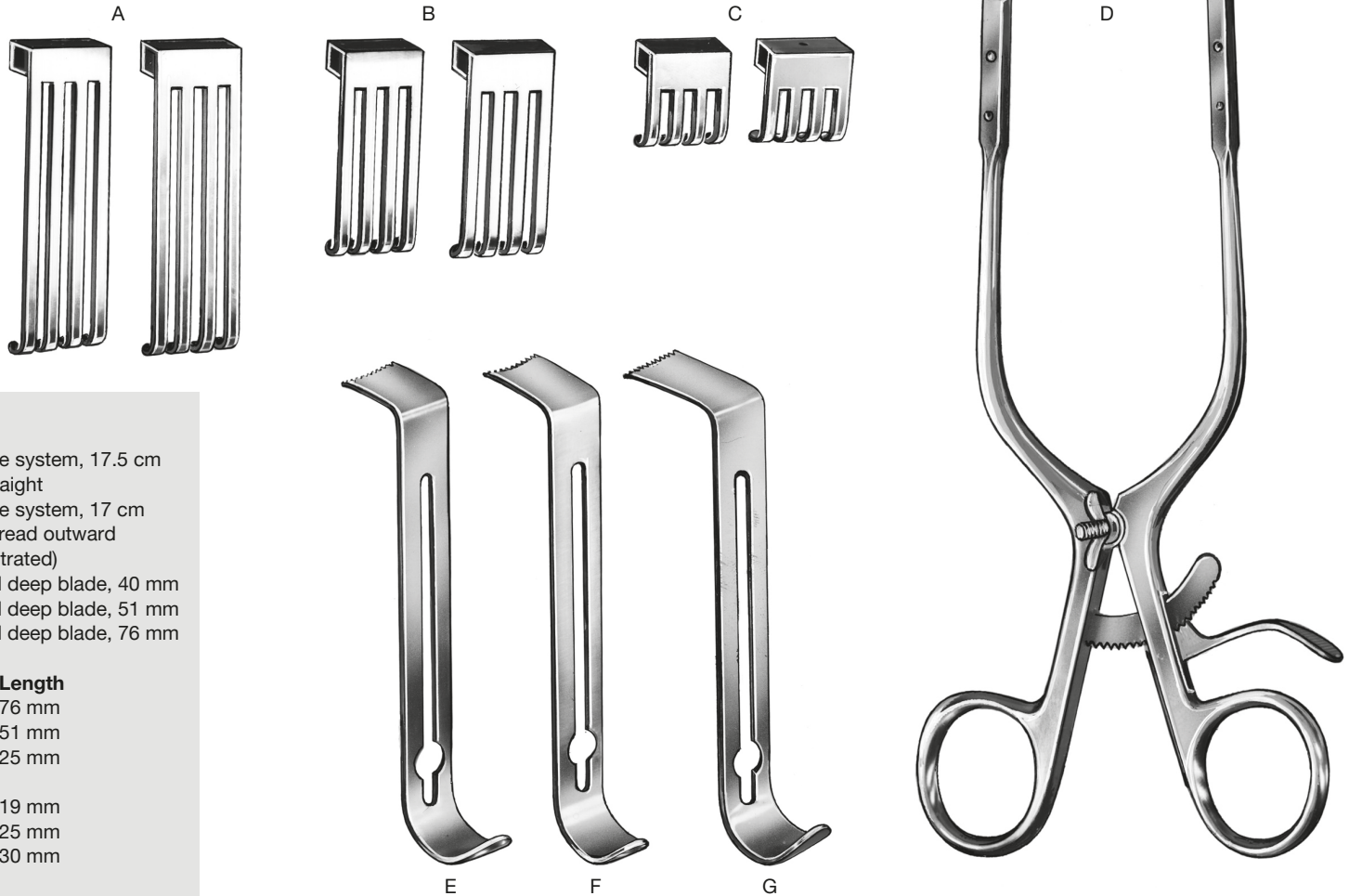
Henly		
Self-retaining	Art.-No.	Fig.
	30-0700	A
		Standard pattern with center blade 19 and 25 mm
	30-0730	B
	30-0732	C
		19 mm
		25 mm
	30-0710	D
		Deep pattern with center blade 30 and 40 mm
	30-0734	E
	30-0736	F
		30 mm
		40 mm



Self-retaining Retractors

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.

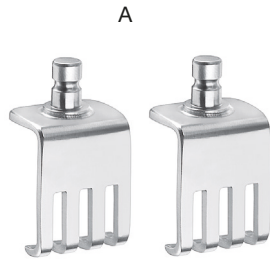
Length

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



D



A



B



C



E

F

G

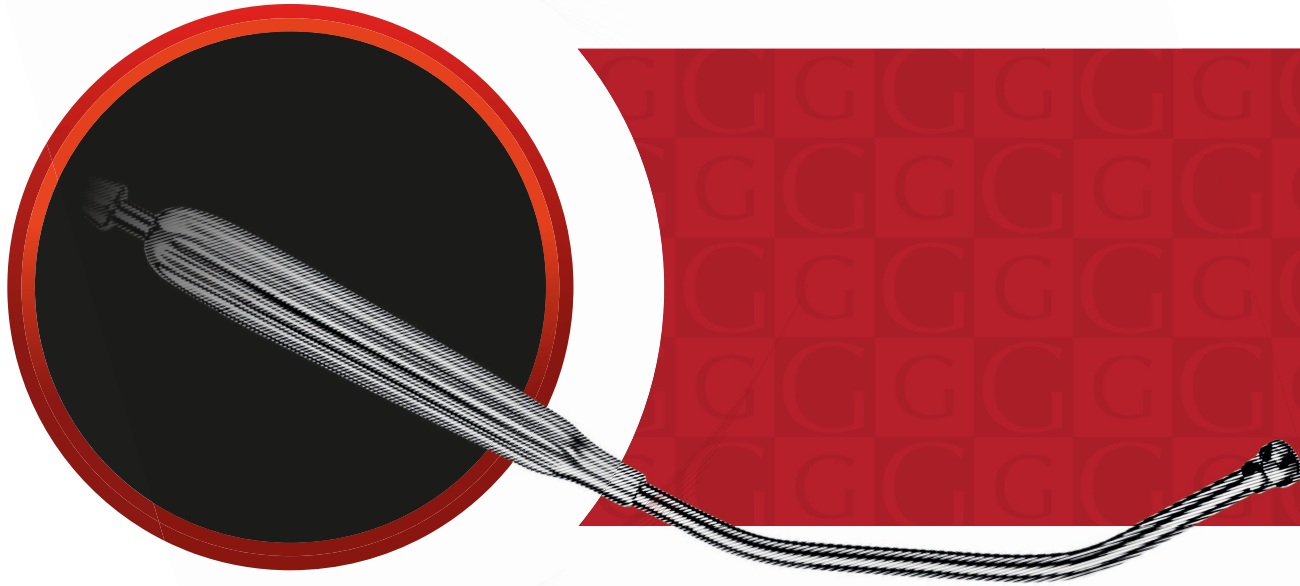
Multipurpose Retractor**Art.-No.**

30-0720

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

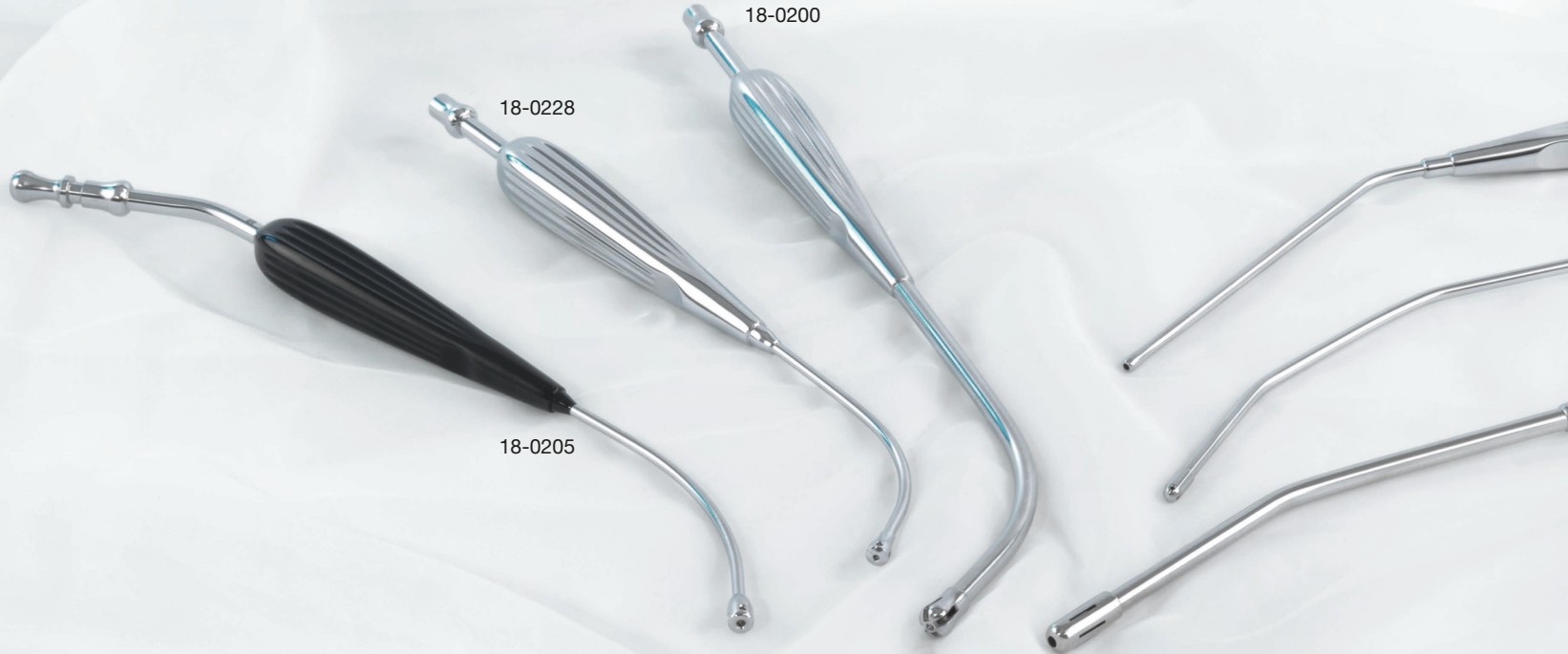
Consisting of:

Art.-No.	Fig.	Length
30-0720.25	A	25 mm
30-0720.50	B	50 mm
30-0720.75	C	75 mm
30-0720.BD	D	
30-0730	E	19 mm
30-0732	F	25 mm
30-0734	G	30 mm



Suction Tubes | Tube Accessories







Brompton

Art.-No.	Length mm / "	Ø mm
18-0190	300 / 11¾	5

DeBakey-type

Art.-No.	Length mm / "	Ø mm
18-0200	280 / 11	9

Morse-Andrews

Art.-No.	Length mm / "	Ø mm
18-0205	260 / 10¼	6

Senning

Art.-No.	Length mm / "	Ø mm
18-0212	310 / 12¼	8

Andrew-Pynchon

Art.-No.	Length mm / "	Ø mm
18-0228	240 / 9½	5

Anthony

Art.-No.	Length mm / "	Ø mm	Charr./Fr.
18-0229	270 / 10½	4	12

* bold = shown

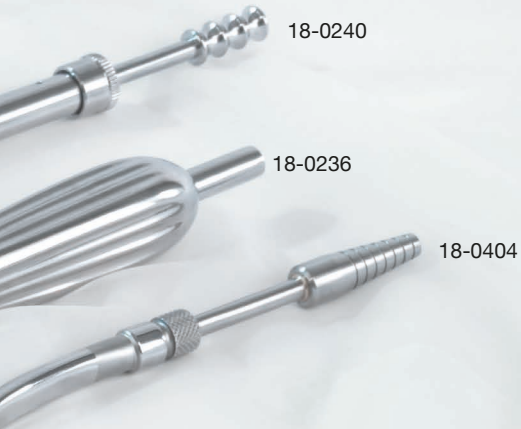


Suction Tips



Suction Tips

GEISTER®



Yankauer

Art.-No.	Length mm / "	Ø mm
18-0230	295 / 11½	10

Baby-Yankauer

Art.-No.	Length mm / "	Ø mm
18-0232	210 / 8¼	8

Harley-Street

Art.-No.	Length mm / "	Ø mm
18-0235	230 / 9	10

Hammersmith

Art.-No.	Length mm / "	Ø mm
18-0236	240 / 9½	6
18-0237	265 / 10½	6

Poole

Art.-No.	Length mm / "	Ø mm	
18-0240	230 / 10	10	straight
18-0242	225 / 8¾	8	curved

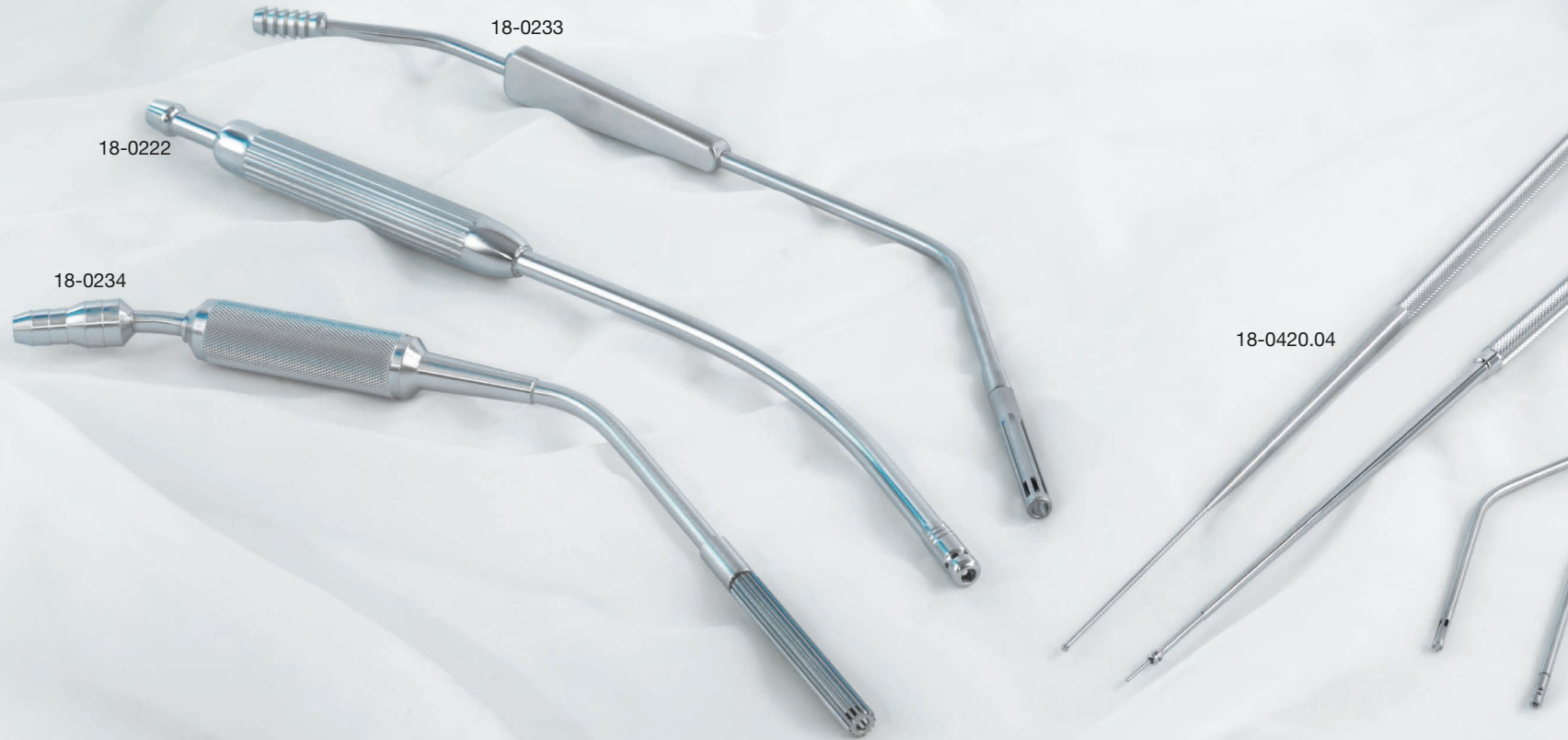
Bugge™

Art.-No.	Length mm / "	Ø mm	
18-0400	290 / 11½	13	large
18-0402	290 / 11½	10	medium
18-0404	200 / 8	8	small
18-0406	200 / 8	6	mini
18-0408	200 / 8	4.5	micro

* bold = shown



Suction Tips





Southampton-Pediatric

Art.-No.	Length mm / "	Ø mm	
18-0188	195 / 7½	3	fluted tip
18-0189	195 / 7½	3	

Cooley-type

Art.-No.	Length mm / "	Ø mm
18-0220	335 / 14¼	8
18-0222	310 / 12¼	8
18-0223	300 / 12	9
18-0224	330 / 13	8
18-0225	270 / 10½	9

Braun-Ralph

Art.-No.	Length mm / "	Ø mm
18-0233	315 / 12½	7
18-0233.03	315 / 12½	3
18-0233.05	315 / 12½	5

Osaka

Art.-No.	Length mm / "	Ø mm
18-0234	270 / 10½	7

Jamieson

Art.-No.	Length mm / "	Ø Hole / Ball mm	
18-0420	270 / 10½	1.5	straight, with stylet
18-0420.01	270 / 10½	1	straight, with stylet
18-0420.02	265 / 10¼	1	60° angled, without stylet
18-0420.03	260 / 10½	1.5	90° angled, without stylet
18-0420.04	290 / 11½	1.5	straight, without stylet, Fino
18-0420.05	290 / 11½	1.5	30° angled, without stylet, Fino
18-0420.06	270 / 10½	0.5	30° angled, with stylet
18-0420.07	270 / 10½	1	30° angled, with stylet
18-0420.08	270 / 10½	1	30° angled, with stylet
18-0420.09	270 / 10½	0.5	straight, with stylet
18-0420.10	210 / 8¼	1	straight, with stylet
18-0420.11	270 / 10½	0.5	15° angled, with stylet
18-0420.12	270 / 10½	1	15° angled, with stylet



Suction Tips



18-0425

18-4032

18-4072

Suction Tips

GEISTER®



18-0430

Pediatric

Art.-No.	Length mm / "	Ø mm
18-0424	160 / 6¼	5
18-0425	210 / 8¼	3
18-0426	225 / 8¾	4
18-0427	245 / 9¾	4

HLM

Art.-No.	Length mm / "	Ø mm
18-0430	280 / 11	6.9

Frazier

Art.-No.	Length mm / "	Ø mm	Ø Hole / Ball mm	
18-4020	170 / 6¾	2	6	straight
18-4021	170 / 6¾	2.7	8	straight
18-4022	170 / 6¾	3.3	10	straight
18-4023	170 / 6¾	4	12	straight
18-4030	130 / 5	2	6	45° angled
18-4031	130 / 5	2.7	8	45° angled
18-4032	130 / 5	3.3	10	45° angled
18-4033	130 / 5	4	12	45° angled
18-4040	170 / 6¾	2	6	45° angled
18-4041	170 / 6¾	2.7	8	45° angled
18-4042	170 / 6¾	3.3	10	45° angled
18-4043	170 / 6¾	4	12	45° angled
18-4044	170 / 6¾	5	15	45° angled
18-4060	170 / 6¾	2	6	90° angled
18-4061	170 / 6¾	2.7	8	90° angled
18-4062	170 / 6¾	3.3	10	90° angled
18-4063	170 / 6¾	4	12	90° angled

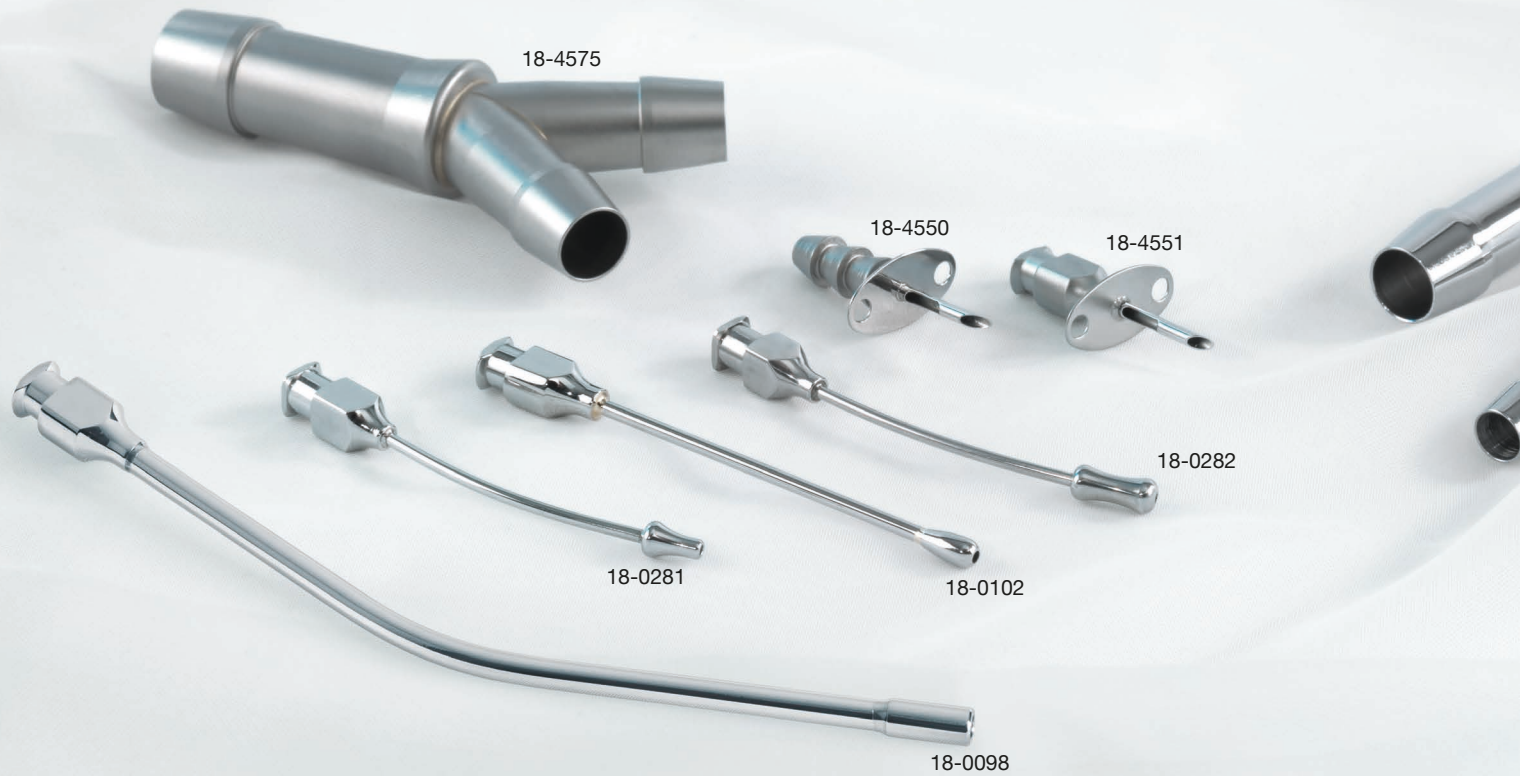
DeBakey-Adson-type

Art.-No.	Length mm / "	Ø mm
18-4070	200 / 8	4
18-4072	160 / 6¼	4

* bold = shown



Suction Tips and Flushing Needles



18-4563

18-4473

Application Cannula

Art.-No.	Length mm / "	Ø mm
18-0098	115 / 4½	3.4/4.2, 30° Luer Lock

Flushing Needles

Art.-No.	Length mm / "	Ø mm
18-0099	45 / 1¾	2
18-0100	45 / 1¾	3
18-0102	55 / 2¼	3.7
18-0104	160 / 6¼	5

Tibbs Flushing Needles

Art.-No.	Length mm / "	Description
18-0280	58 / 2 ⁵ / ₁₆	small olive
18-0281	58 / 2 ⁵ / ₁₆	small conus
18-0282	58 / 2 ⁵ / ₁₆	large olive
18-0283	58 / 2 ⁵ / ₁₆	large conus
18-0284	Set of 4 (each one pieces of Tibbs Flushing Needles)	

Straight Reducer

Art.-No.	mm	inch
18-4469	16 -> 12	5/8 -> 1/2
18-4470	16 -> 9	5/8 -> 3/8
18-4471	12 -> 9	1/2 -> 3/8
18-4472	12 -> 6	1/2 -> 1/4
18-4473	9 -> 6	3/8 -> 1/4
18-4474	6 -> 4.7	1/4 -> 3/16
18-4475	6 -> 3	1/4 -> 1/8
18-4476	8 -> 6	5/16 -> 1/4

Air Vent Needles

Art.-No.	Tube i.d." "	Size
18-4550	1/4	18 ga.
18-4551	Luer-Lock	18 ga.

Straight Connector

Art.-No.	Length mm / "	Tube i.d." "
18-4562	51 / 2	1/2
18-4563	51 / 2	3/8
18-4564	51 / 2	1/4

Y-Connector

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 W 3/8

* bold = shown



Suction Tips





18-4540

Sump Tubes – Baylor

Art.-No.	Angle	Ø mm
18-0300	90°	5
18-0301	45°	5
18-0305	90°	4
18-0306	45°	4
18-0308	straight	6.5

Ice Water Sucker

Art.-No.	Ø mm
18-0320	8 x 10

Basket – Ross

Art.-No.	Length of Basket mm	Tube i.d."
18-4500	29	1/2
18-4501	29	3/8
18-4502	20	3/8
18-4503	16	1/4

Sump Sucker – Ross

Art.-No.	Length of Basket mm	Tube i.d."	Size
18-4505	27.5	3/16	Adult
18-4506	19	3/16	Child
18-4507	13	1/8	Infant

Drain Vent – Ormond

Art.-No.	Length mm	Tube i.d."
18-4510	10	1/8
18-4511	18	1/4

Vent – Ross

Art.-No.	Length of Basket mm	Tube i.d."	Size
18-4520	33	3/16	Adult
18-4521	23	3/16	Child
18-4522	15	1/8	Infant

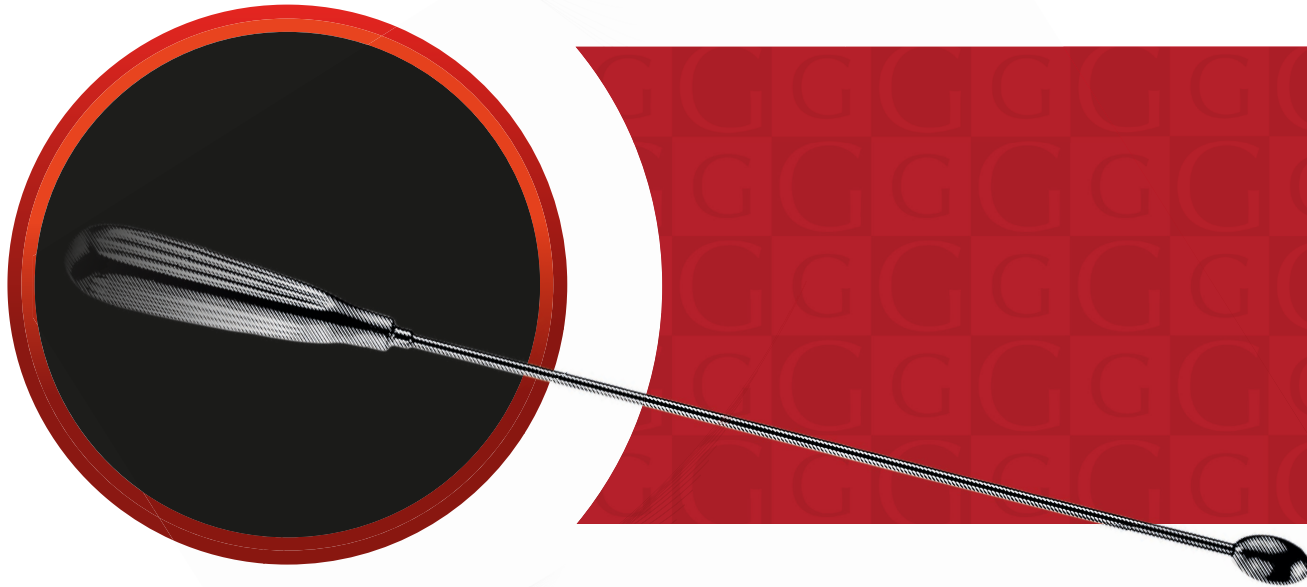
Vent – Bullet Heavy

Art.-No.	Length of Basket mm	Tube i.d."
18-4530	40	3/16

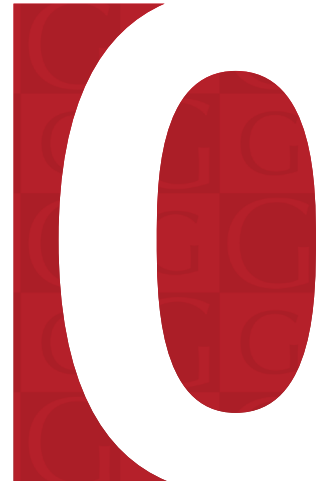
Vent – Bullet Double Lumen

Art.-No.	Length of Basket mm	Tube i.d."
18-4540	42	1/4

* bold = shown



**Miscellaneous | Punches | Dilators | Suture Catchers
Sizers | Tunnelers | Scalpels | Holloware**

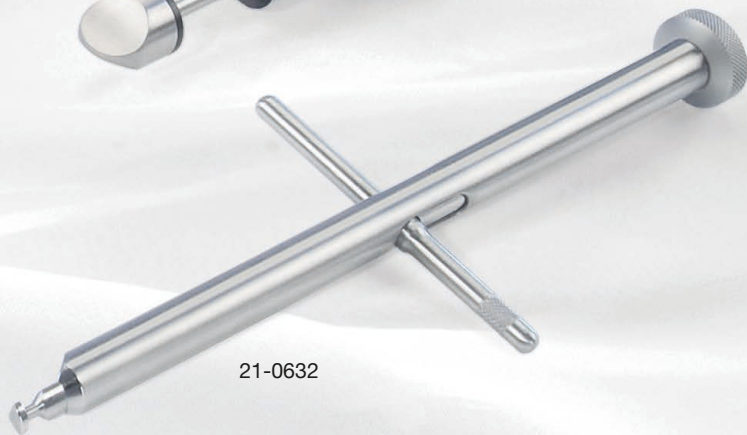




21-0594



21-0632



Reusable Tissue 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	

**Aazami
Triangular Tissue 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
21-0597	18 cm/7"	20 mm
21-0598	18 cm/7"	22 mm
21-0599	18 cm/7"	24 mm



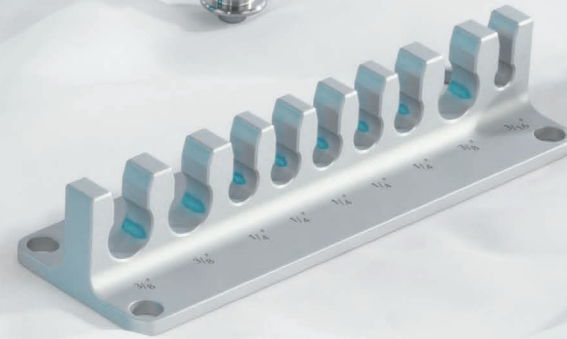
25-0038



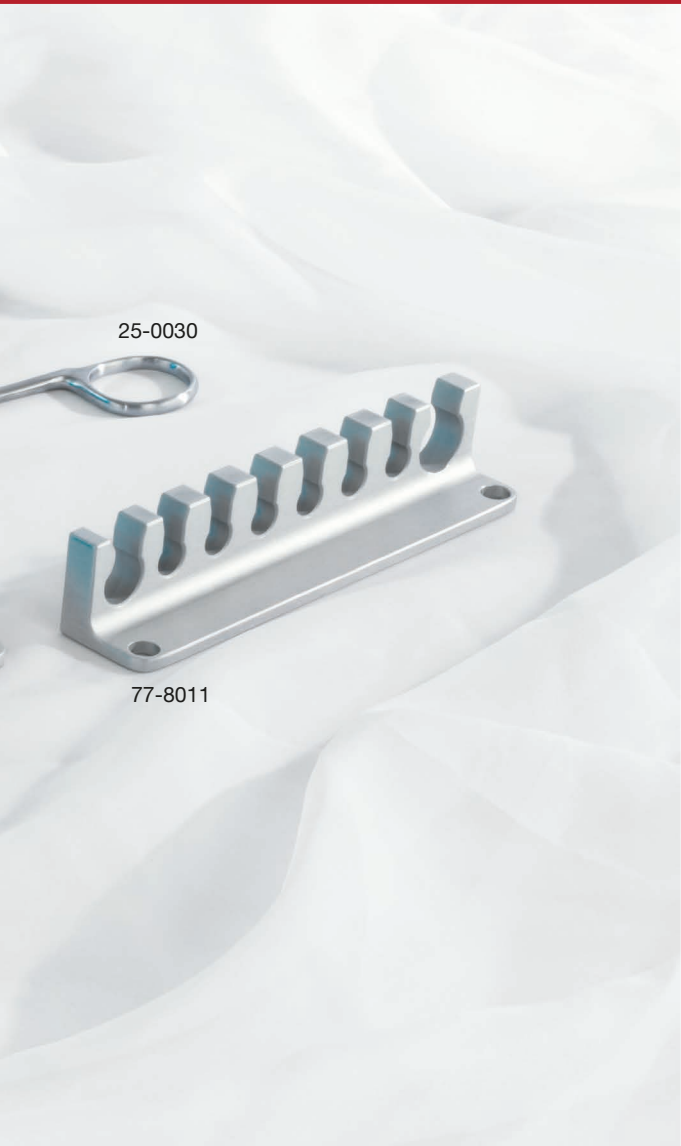
25-0037



25-0032



77-8013



25-0030

77-8011

Tube - Cable Tie *

Art.-No.	Description	Cable width mm	Weight g	Length mm
25-0038	Cable Tie Tool GTS, grey, black	1.8 - 4.8	278	180

Tube Holders T-Profile

Art.-No.	Description	Diameter "	Size
77-8013	HLM Tube Holding Bench T-Profile	2 x 3/8, 5 x 1/4, 1 x 3/8, 1 x 3/16	Adult

Tube Holders

Art.-No.	Description	Diameter "	Size
77-8010	HLM Tube Holding Bench	1 x 1/2, 4 x 1/4, 1 x 3/8	Adult
77-8011	HLM Tube Holding Bench	1 x 1/2, 6 x 1/4, 1 x 3/8	Adult long
77-8012	HLM Tube Holding Bench	1 x 1/2, 1 x 3/8, 2 x 1/4, 1 x 3/16, 1 x 1/4, 1 x 3/8	Adult
77-8014	HLM Tube Holding Bench	2 x 3/8, 3 x 1/4, 1 x 3/16	Adult
77-8015	HLM Tube Holding Bench	1 x 3/8, 1 x 3/16, 1 x 1/4, 1 x 3/16, 2 x 1/4	Children
77-8020	HLM Tube Holding Bench	1 x 1/4, 5 x 3/16	Infant

Tube Roller - Gunnar Hey

Art.-No.	Description	Length mm
25-0030	Tube Milking Roller	190

Tube Roller

Art.-No.	Description	Length mm
25-0032	Tube Milking Roller with teflon bobbins, Aluminium blue	160

Tube Stretcher

Art.-No.	Description	Length mm
25-0037	Tube Stretcher	130

* no medical grade - tool in hospital use

* bold = shown



Dilators

**Garrett
Dilators**

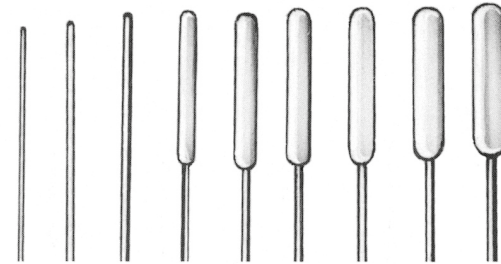
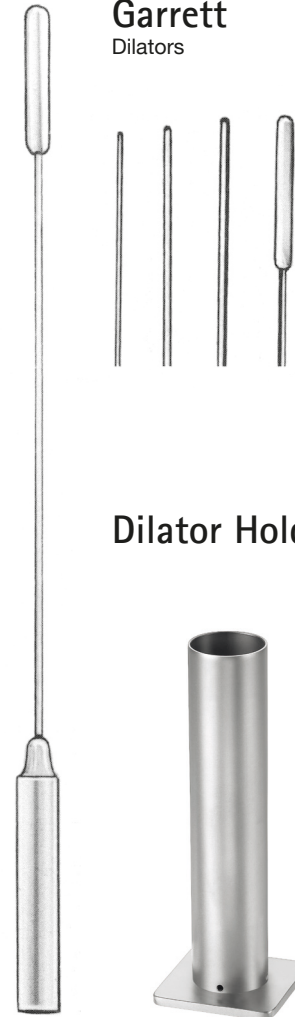
Art.-No.	Ø	Length	Art.-No.	Ø	Length
21-0101	0.5 mm	14 cm/5½"	21-0108	4.0 mm	14 cm/5½"
21-0121	0.5 mm	19 cm/7½"	21-0128	4.0 mm	19 cm/7½"
21-0141	0.5 mm	21 cm/8¼"	21-0148	4.0 mm	21 cm/8¼"
21-0161	0.5 mm	35 cm/14"	21-0168	4.0 mm	35 cm/14"
21-0102	1.0 mm	14 cm/5½"	21-0109	4.5 mm	14 cm/5½"
21-0122	1.0 mm	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
21-0124	2.0 mm	19 cm/7½"	14 cm/5½"	–	–
21-0144	2.0 mm	21 cm/8¼"	21-0131	7.0 mm	19 cm/7½"
21-0164	2.0 mm	35 cm/14"	21-0151	7.0 mm	21 cm/8¼"
21-0105	2.5 mm	14 cm/5½"	21-0171	7.0 mm	35 cm/14"
21-0125	2.5 mm	19 cm/7½"	–	–	9.0 mm
21-0145	2.5 mm	21 cm/8¼"	14 cm/5½"	–	–
21-0165	2.5 mm	35 cm/14"	21-0132	9.0 mm	19 cm/7½"
21-0106	3.0 mm	14 cm/5½"	21-0152	9.0 mm	21 cm/8¼"
21-0126	3.0 mm	19 cm/7½"	21-0172	9.0 mm	35 cm/14"
21-0146	3.0 mm	21 cm/8¼"	–	–	–
21-0166	3.0 mm	35 cm/14"	21-0100	Set	14 cm/5½"
21-0107	3.5 mm	14 cm/5½"	21-0120	Set	19 cm/7½"
21-0127	3.5 mm	19 cm/7½"	21-0140	Set	21 cm/8¼"
21-0147	3.5 mm	21 cm/8¼"	21-0160	Set	35 cm/14"
21-0167	3.5 mm	35 cm/14"	–	–	–

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

Dilator Holder

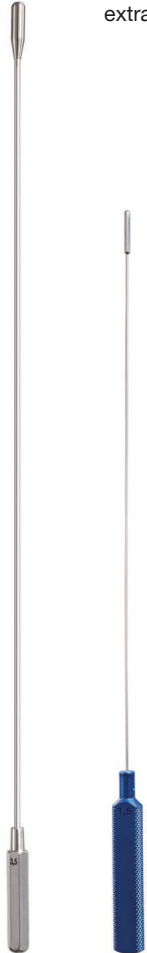
21-0116

14 cm

**Garrett
Dilators**

Dilator Holder


Cooley-type

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



21-0096 21-0052

Instrument Cassettes



21-0119

for 6 dilators

21-0118 203 x 114 x 15 mm

for 12 dilators

21-0119 203 x 114 x 30 mm

Cooley-type Length	Ø	Steel wire	Silver wire	Nitinol wire (memory)	Color code
24 cm/9½"	0.5 mm			21-0090	
24 cm/9½"	1.0 mm			21-0091	
24 cm/9½"	2.0 mm			21-0093	
24 cm/9½"	2.5 mm			21-0094	
24 cm/9½"	3.0 mm			21-0095	
24 cm/9½"	3.5 mm			21-0096	
24 cm/9½"	4.0 mm			21-0097	
24 cm/9½"	4.5 mm			21-0098	
24 cm/9½"	5.0 mm			21-0099	
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		Black
15 cm/6"	1.0 mm	21-0061	21-0061.SI		Red
15 cm/6"	1.5 mm	21-0062	21-0062.SI		Blue
15 cm/6"	2.0 mm	21-0063	21-0063.SI		Yellow
15 cm/6"	2.5 mm	21-0064	21-0064.SI		Green
15 cm/6"	3.0 mm	21-0065	21-0065.SI		Magenta
14 cm/5½"	0.5 mm			21-0070	Black
14 cm/5½"	1.0 mm			21-0071	Red
14 cm/5½"	1.5 mm			21-0072	Blue
14 cm/5½"	2.0 mm			21-0073	Yellow
14 cm/5½"	2.5 mm			21-0074	Green
14 cm/5½"	3.0 mm			21-0075	Magenta

* bold = shown

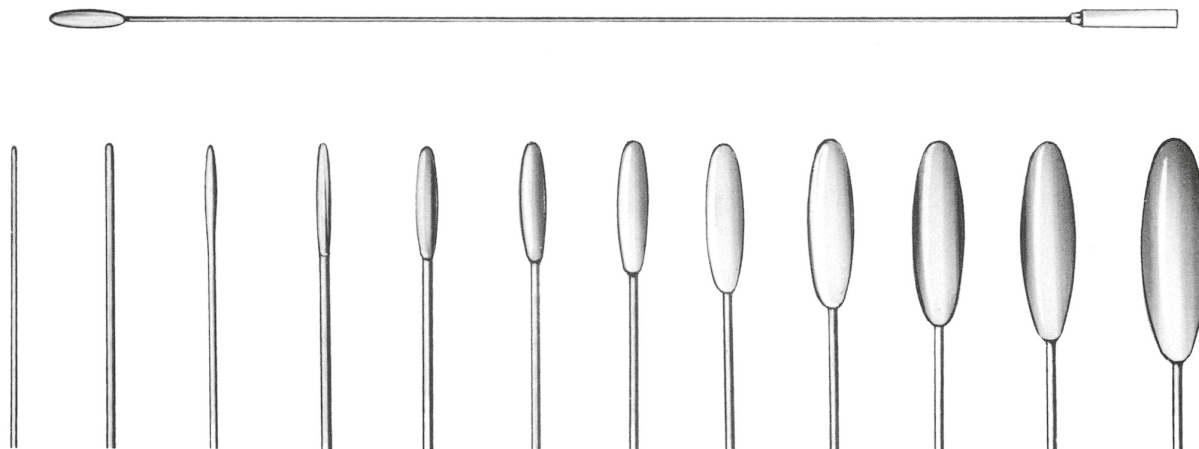


DeBakey-type

DeBakey-type

Art.-No.	Ø	Length
21-0200	1.0 mm	19 cm/7½"
21-0220	1.0 mm	38 cm/15"
21-0201	1.5 mm	19 cm/7½"
21-0221	1.5 mm	38 cm/15"
21-0202	2.0 mm	19 cm/7½"
21-0222	2.0 mm	38 cm/15"
21-0203	2.5 mm	19 cm/7½"
21-0223	2.5 mm	38 cm/15"
21-0204	3.0 mm	19 cm/7½"
21-0224	3.0 mm	38 cm/15"
21-0205	4.0 mm	19 cm/7½"
21-0225	4.0 mm	38 cm/15"
21-0206	5.0 mm	19 cm/7½"
21-0226	5.0 mm	38 cm/15"
21-0207	6.0 mm	19 cm/7½"
21-0227	6.0 mm	38 cm/15"
21-0208	7.0 mm	19 cm/7½"
21-0228	7.0 mm	38 cm/15"
21-0209	8.0 mm	19 cm/7½"
21-0229	8.0 mm	38 cm/15"
21-0210	9.0 mm	19 cm/7½"
21-0230	9.0 mm	38 cm/15"
21-0211	10.0 mm	19 cm/7½"
21-0231	10.0 mm	38 cm/15"
21-0215	Set of 12	19 cm/7½"
21-0235	Set of 12	38 cm/15"

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



Hegar
Dilators (double-ended)



Hegar
Dilators (single-ended)



Hegar

Dilators and Sizers (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"
21-8243	27.0/28.0mm	20cm/8"
21-8244	29.0/30.0mm	20cm/8"
21-8244.32	31.0/32.0mm	20cm/8"
21-8246	33.0/34.0mm	20cm/8"
21-8247	35.0/36.0mm	20cm/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 ¼"
21-8202	2.0 mm	18.5 cm/7 ¼"
21-8203	3.0 mm	18.5 cm/7 ¼"
21-8204	4.0 mm	18.5 cm/7 ¼"
21-8205	5.0 mm	18.5 cm/7 ¼"
21-8206	6.0 mm	18.5 cm/7 ¼"
21-8207	7.0 mm	18.5 cm/7 ¼"

Hegar

Dilators and Sizers (single-ended)

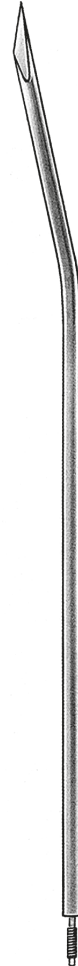
Art.-No.	Ø	Length
21-8208	8.0 mm	18.5 cm/7 ¼"
21-8209	9.0 mm	18.5 cm/7 ¼"
21-8210	10.0 mm	18.5 cm/7 ¼"
21-8211	11.0 mm	18.5 cm/7 ¼"
21-8212	12.0 mm	18.5 cm/7 ¼"
21-8213	13.0 mm	18.5 cm/7 ¼"
21-8214	14.0 mm	18.5 cm/7 ¼"
21-8215	15.0 mm	18.5 cm/7 ¼"
21-8216	16.0 mm	18.5 cm/7 ¼"
21-8217	17.0 mm	18.5 cm/7 ¼"
21-8218	18.0 mm	18.5 cm/7 ¼"
21-8219	19.0 mm	18.5 cm/7 ¼"
21-8220	20.0 mm	18.5 cm/7 ¼"
21-8221	21.0 mm	18.5 cm/7 ¼"
21-8222	22.0 mm	18.5 cm/7 ¼"
21-8223	23.0 mm	18.5 cm/7 ¼"
21-8224	24.0 mm	18.5 cm/7 ¼"
21-8225	25.0 mm	18.5 cm/7 ¼"
21-8226	26.0 mm	18.5 cm/7 ¼"
21-8226.27	27.0mm	18.5cm/7 1/4"
21-8227	28.0mm	18.5cm/7 1/4"
21-8228	29.0mm	18.5cm/7 1/4"
21-8229	30.0mm	18.5cm/7 1/4"
21-8200.31	31.0mm	18.5cm/7 1/4"
21-8200.32	32.0mm	18.5cm/7 1/4"
21-8200.33	33.0mm	18.5cm/7 1/4"
21-8200.34	34.0mm	18.5cm/7 1/4"
21-8200.35	35.0mm	18.5cm/7 1/4"
21-8200.36	36.0mm	18.5cm/7 1/4"
21-8200.37	37.0mm	18.5cm/7 1/4"
21-8200.38	38.0mm	18.5cm/7 1/4"
21-8200.39	39.0mm	18.5cm/7 1/4"
21-8200.40	40.0mm	18.5cm/7 1/4"



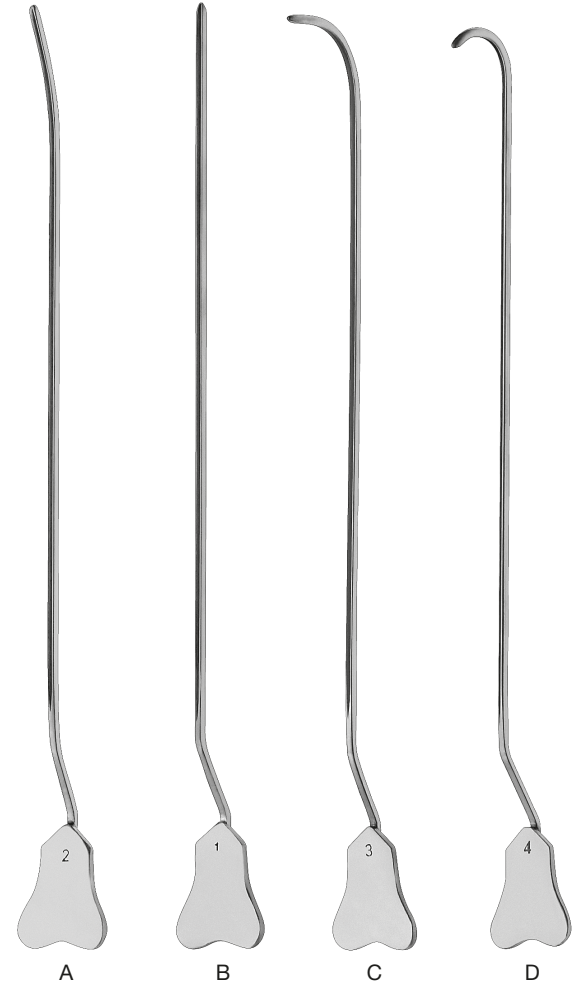
Standard



Redon Needle



Lockhart-Mummery



Standard

Art.-No.	Ø	Length
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"

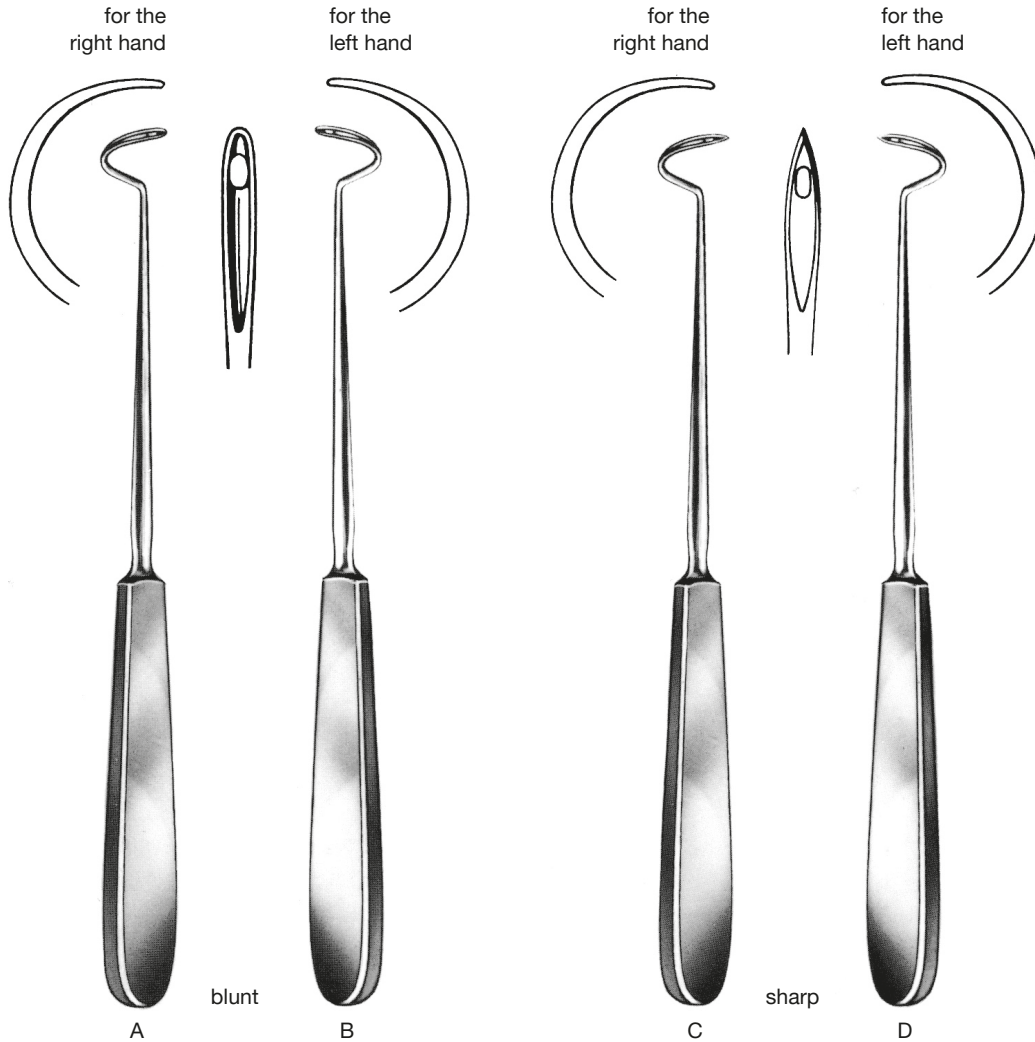
Redon Needle

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

with catch

Eyed stilette

Suture Catchers

Art.-No.	Ø	Length
21-1219	1.2 mm	26 cm/10¼"
21-1220	1.5 mm	26 cm/10¼"
21-1221	2.0 mm	26 cm/10¼"
21-1222	2.5 mm	26 cm/10¼"
21-1223	3.0 mm	26 cm/10¼"

Also available in 15 cm /6" and 18 cm /7"

Rumel-Belmont without catch

Art.-No.	Ø	Length
21-1200.OR	4.0 mm	27.5 cm /10¾"
21-1205.OR	6.5 mm	31.0 cm /12¼"

Rumel-Belmont with catch

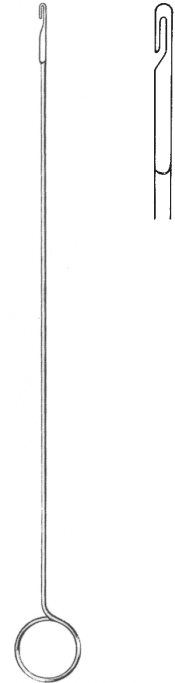
Art.-No.	Ø	Length
21-1200	4.0 mm	27.5 cm /10¾"
21-1205	6.5 mm	31.0 cm /12¼"

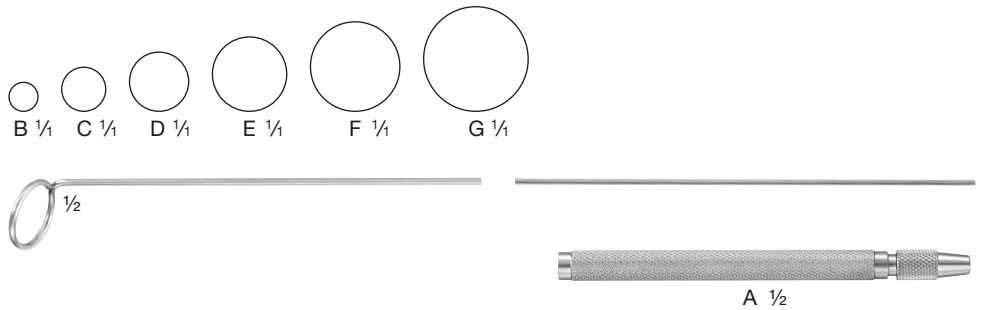
Eyed stilette

Art.-No.	width	Length
21-1203	2.2 mm	22.5 cm/8¾"
21-1208	3.2 mm	23.5 cm/9¼"

stilette also recommended
to catch sutures

Rumel-Belmont

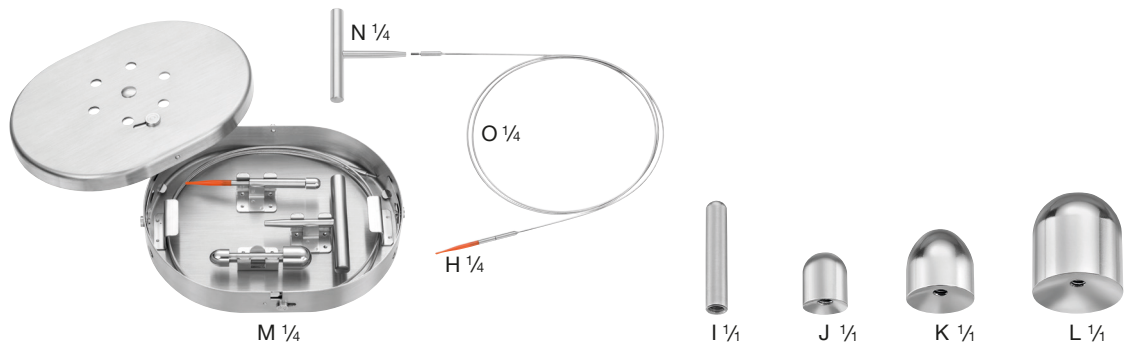




Recovery Probes

Set complete

Fig.	Art.-No.	consisting of qty.	description
A	03-5900	1	Handle, 110 mm / 4 1/4"
B	03-5904	1	Ø 4 mm, 550 mm / 21 3/4"
C	03-5905	1	Ø 6 mm, 550 mm / 21 3/4"
D	03-5906	1	Ø 8 mm, 550 mm / 21 3/4"
E	03-5907	1	Ø 10 mm, 550 mm / 21 3/4"
F	03-5908	1	Ø 12 mm, 550 mm / 21 3/4"
G	03-5909	1	Ø 14 mm, 550 mm / 21 3/4"



Nabatoff Recovery Probes

Set complete

Fig.	Art.-No.	consisting of qty.	description
H	21-1250.02	1	Plastic probe tip
I	21-1250.03	1	3 mm metal probe tip
J	21-1250.06	1	6 mm olive
K	21-1250.09	1	9 mm olive
L	21-1250.12	1	12 mm olive
M	21-1250.BX	1	Box 135 x 100 x 25 mm
N	21-1250.GR	1	Handle
O	21-1250.ZS	1	Wire pull 90 cm

Additional

Art.-No.	description
21-1250.ZV	Adaptor to extend Wire pulls
21-1250.02SS	Stainless steel probe tip



Memory Sizers

With the dual-ended Memory Sizer the diameter 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. After heat sterilisation the sizer returns to its original straight shape.



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

consisting of:

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

21-8250 Amato Pediatric Dilators, complete Set of all 10 sizes

consisting of:

21-8250.01	6 mm	20.5 cm
21-8250.02	7 mm	20.5 cm
21-8250.03	8 mm	20.5 cm
21-8250.04	9 mm	20.5 cm
21-8250.05	10 mm	20.5 cm
21-8250.06	12 mm	20.5 cm
21-8250.07	14 mm	20.5 cm
21-8250.08	16 mm	20.5 cm
21-8250.09	18 mm	20.5 cm
21-8250.10	20 mm	20.5 cm

Amato Pediatric Dilators



Ruler

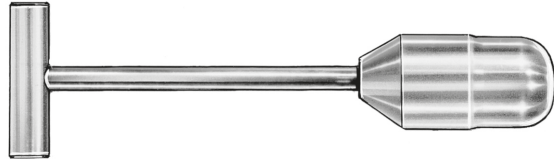


Shannon „Tee“
Tourniquet Fixation Device



Kamar

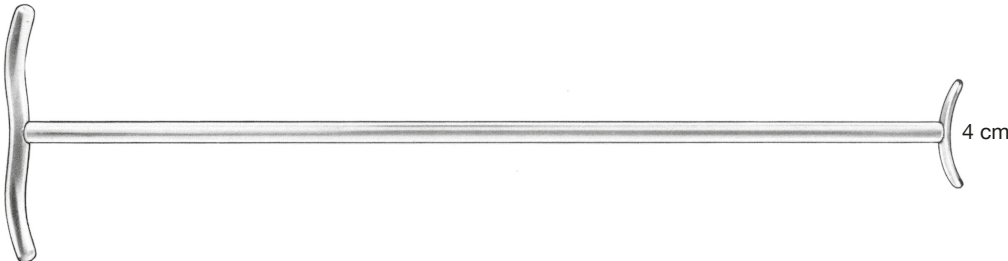
Annulus Dilator and Sizer



Lumen Inspection Mirror



Compressor



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

Shannon „Tee“ Tourniquet Fixation Device	
Art.-No.	
21-1300	Shannon "Tee"
21-1310	Pusher for Shannon "Tee"

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"

Lumen Inspection Mirror		
Art.-No.	Ø	Length
03-5690	20 mm	23 cm/9"
03-5690.14	14 mm	23 cm/9"
03-5690.18	18 mm	23 cm/9"

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



Tunneling Instruments

34-7331L



03-5390



03-5375

03-5365

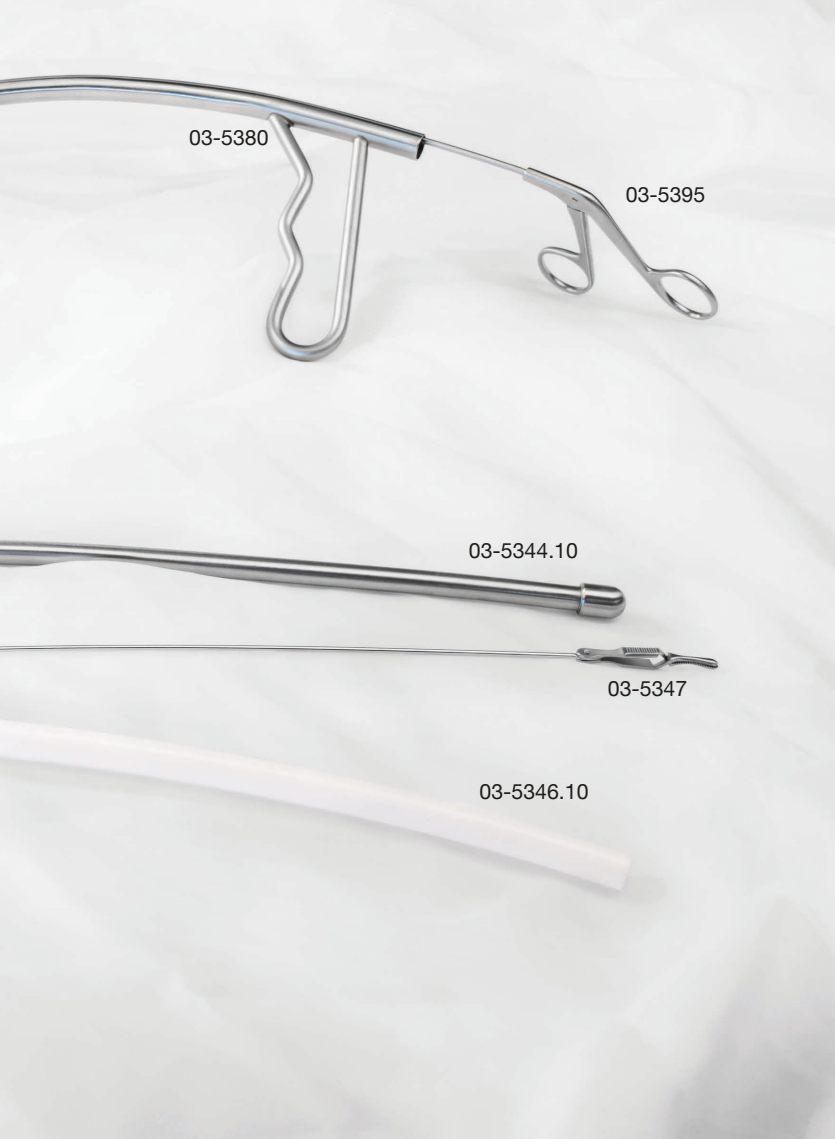


03-5345



Tunneling Instruments

GEISTER®



Tunneling Tubes

slightly curved

Art.-No.	Length	Ø
03-5370	28 cm / 11"	12 mm
03-5375	38 cm / 15¼"	12 mm
03-5377	68 cm / 26¼"	12 mm

strongly curved

03-5380	28 cm / 11"	12 mm
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Tunneling Forceps

straight

Art.-No.	Length
03-5385	38 cm / 15¼"
03-5390	48 cm / 19¼"
03-5392	78 cm / 30¾"

slightly curved

03-5395	38 cm / 15¼"
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Bullet-Tunneler

Removeable bullet tip provides for maximum tissue protection while tunneling.

Bullet-Tunneler

slightly curved

Art.-No.	Length	Ø
03-5360	30 cm / 12"	12 mm
03-5365	40 cm / 16"	12 mm
03-5366	50 cm / 20"	12 mm
03-5367	70 cm / 2½"	12 mm

Tunneling Forceps

straight

Art.-No.	Length
03-5385	38 cm / 15¼"
03-5390	48 cm / 19¼"
03-5391	58 cm / 22⅞"
03-5392	78 cm / 30¾"

Spare tip bullet

03-5360.KA

Tunneler, Set complete

Consisting of each piece:

03-5354	Ø 8 / 10 mm	03-5344.08, 03-5345, 03-5346.08, 03-5347.08
03-5355	Ø 10 / 12 mm	03-5344.10, 03-5345, 03-5346.10, 03-5347
03-5356	Ø 12 / 14 mm	03-5344.12, 03-5345, 03-5346.12, 03-5347

Tunneler, Rod

Art.-No.	Length	Ø
03-5344.08	60 cm / 23½"	8 mm
03-5344.10	60 cm / 23½"	10 mm
03-5344.12	60 cm / 23½"	12 mm

Tunneler, Sleeve, PTFE (Teflon)

Art.-No.	Length	Ø
03-5346.08	60 cm / 23½"	8 / 10 mm
03-5346.10	60 cm / 23½"	10 / 12 mm
03-5346.12	60 cm / 23½"	12 / 14 mm

Tunneler, Forceps

for sleeve Ø

03-5347	72 cm / 28¼"	10 and 12 mm
03-5347.08	72 cm / 28¼"	8 mm

Tunneler, Handle

03-5345

ThoraGate™ Hallmann Tunneling Forceps

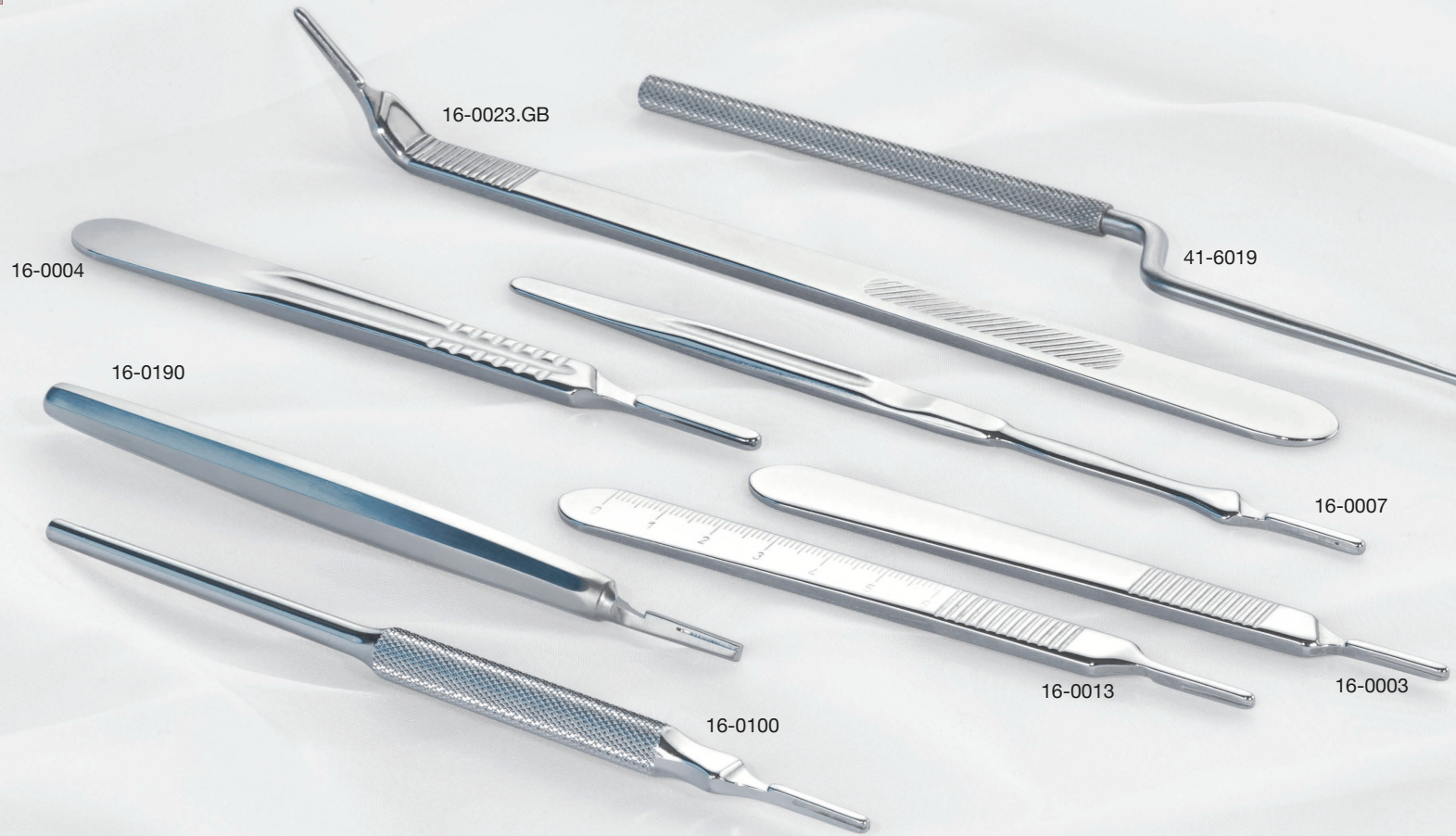
curved, with ratchet

34-7331L	36 cm / 14¼"
-----------------	--------------

* bold = shown



Scalpel Handles



16-0023.GB

41-6019

16-0004

16-0190

16-0007

16-0100

16-0013

16-0003



Scalpel Handles

for Blades 16-2018 until 16-2036

Art.-No.	length mm / "	description
16-0004	135 / 5 1/4	Fig. 4
16-0014	210 / 8 1/4	Fig. 4L, long

Scalpel Handles

for Blades 16-2009.E until 16-2017.E

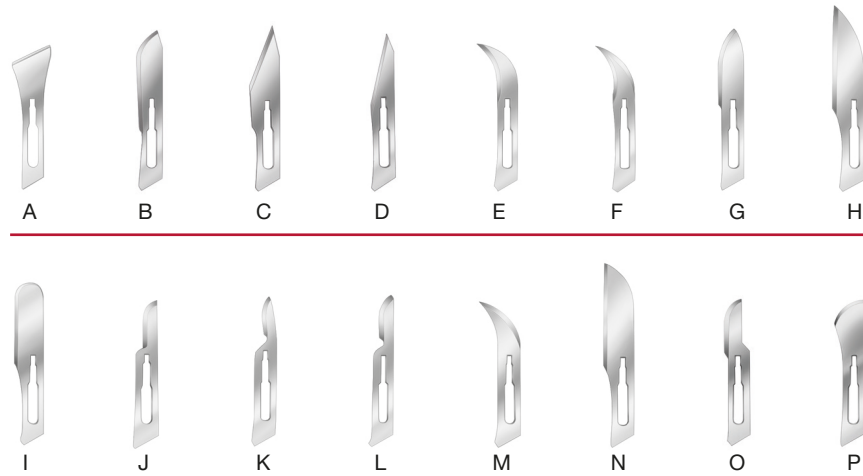
Art.-No.	length mm / "	description
16-0003	125 / 5	Fig. 3
16-0013	125 / 5	Fig. 3, with scale
16-0023	210 / 8 1/4	Fig. 3L, long,
16-0023.GB	200 / 8	Fig. 3L, long, angled up
16-0007	160 / 6 1/4	Fig. 7L, long
16-0017	120 / 4 3/4	Fig. 7K, short
16-0100	150 / 6	round handle, Fig. 3
16-0102	145 / 5 3/4	round handle, Fig. 3, angled up
16-0190	135 / 5 1/4	Barron, Fig. 3
41-6019	210 / 8 1/4	Landolt, Fig. 3



Scalpel Blades, sterile, pack of 100 Pieces

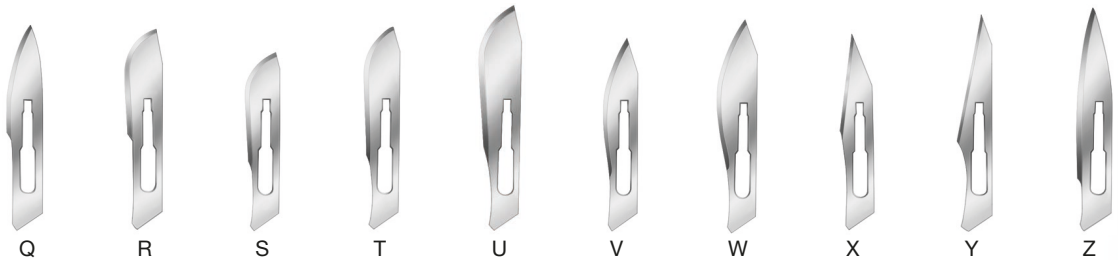
for handle Fig. 3

Fig.	Art.-No.	description
A	16-2009.E	# 9E
B	16-2010	# 10
C	16-2010.A	# 10A
D	16-2011	# 11
E	16-2012	# 12
F	16-2012.D	# 12D
G	16-2013	# 13
H	16-2014	# 14
I	16-2014.E	# 14E
J	16-2015	# 15
K	16-2015.C	# 15C
L	16-2015.E	# 15E
M	16-2016	# 16
N	16-2016.E	# 16E
O	16-2017	# 17
P	16-2017.E	# 17E



for handle Fig. 4

Fig.	Art.-No.	description
Q	16-2018	# 18
R	16-2019	# 19
S	16-2020	# 20
T	16-2021	# 21
U	16-2022	# 22
V	16-2023	# 23
W	16-2024	# 24
X	16-2025	# 25
Y	16-2034	# 34
Z	16-2036	# 36



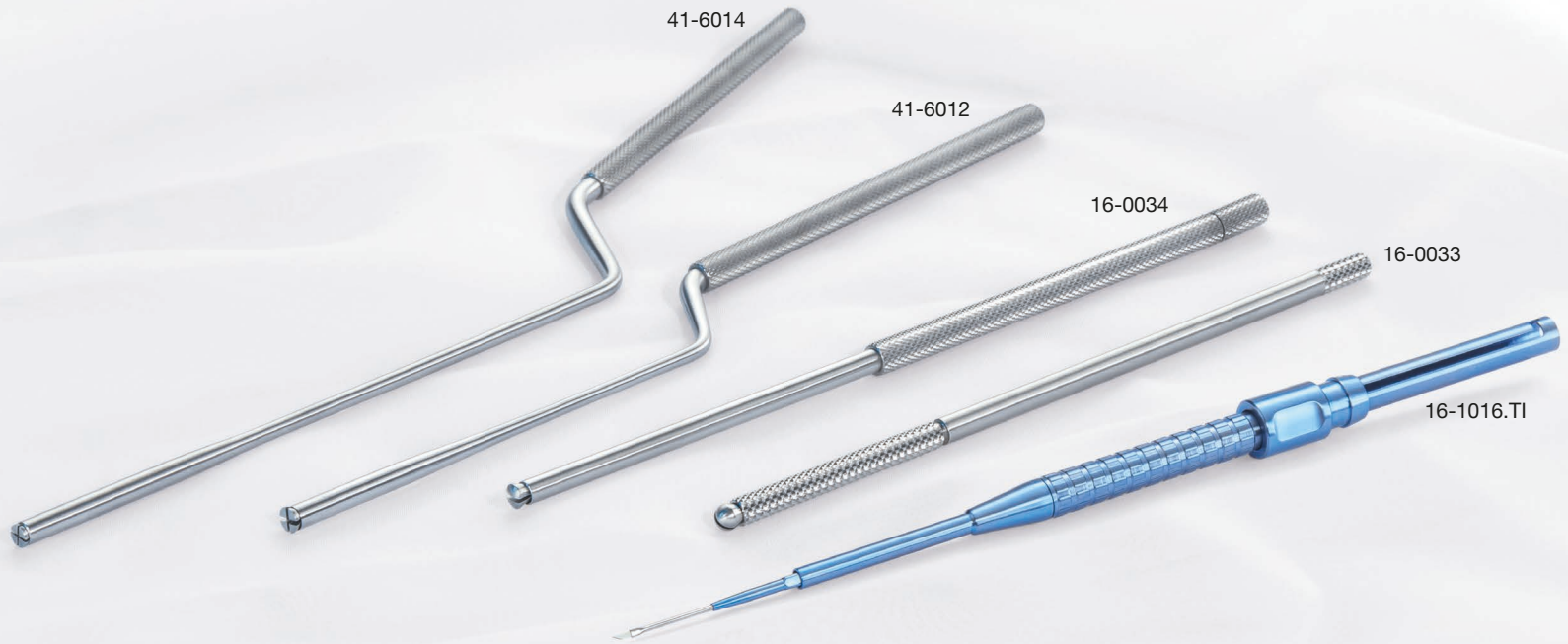
Microsurgical Knife



- | | |
|-----------------|--|
| Art.-No. | |
| 16-2070 | 15° Microsurgical Knife, blade/tip pack of 6 pieces, sterile |
| 16-2075 | Crescent Microsurgical Knife, straight 2 mm, blade/tip pack of 6 pieces, sterile |
| 16-0032 | Fairgrip™ultra Handle for disposable knives, 18 cm, Aluminium |
| 16-0031 | Handle for disposable knives, 18 cm Aluminium |
| 16-0030 | Handle for disposable knives, 18 cm Stainless Steel |
| 16-0030.DF* | PANDOR™ Handle for disposable knives, 18 cm, stainless steel |
| 16-5050 | Handle for disposable knives, 9.5 cm |

* In the attractive PANDOR™ Black & Gold Edition (extra charge applies)





Diamond Knife

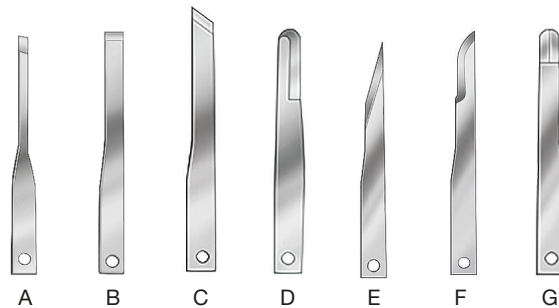
Titanium handle

Art.-No.	length mm / "	description
16-1016.TI	205 / 8	30° single cutting

Scalpel Handles

for Micro surgical blades

Art.-No.	length mm / "	description
16-0033	155 / 6	
16-0033.10	100 / 4	
16-0034	180 / 7	
41-6012	210 / 8 1/4	Landolt
41-6014	250 / 10	Landolt



Micro Blades

sterile, pack of 10 pieces

Fig.	Art.-No.	description
A	16-2061	# 61
B	16-2062	# 62
C	16-2062.S	# 62S
D	16-2064	# 64
E	16-2065	# 65
F	16-2067	# 67
G	16-2069	# 69

* bold = shown

**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/6½"	0.25
77-9000	3.9 cm	25 cm/10"	0.5
77-9002	4.5 cm	27.5 cm/10½"	0.75

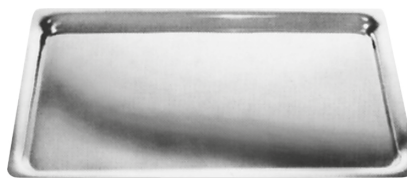
Forceps Holder

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

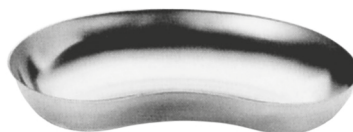
Instrument Tray



Forceps Holder



Kidney Dish



Laboratory Bowl



Graduated Medicine Cup



Graduated Jug



Graduated Medicine Cup



Graduated Jug



Solution Bowl

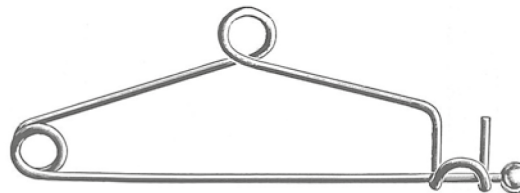


Laboratory Bowl



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 1/4"	4.5 cm/1 3/4"	0.05
Solution Bowl			
Art.-No.	Ø	Height	Capacity
77-9090	5 cm/2"	4.5 cm/1 3/4"	0.05
77-9094	6 cm/2 1/4"	5.2 cm/2"	0.075
Laboratory Bowl			
Art.-No.	Ø	Height	Capacity
77-9095	8 cm/3"	3.5 cm/1 1/4"	0.1
77-9096	9 cm/3 1/2"	5.5 cm/2"	0.2
77-9097	10 cm/4"	6.5 cm/2 1/4"	0.3
77-9098	12 cm/4 1/2"	7 cm/2 1/2"	0.4
Graduated Jug			
Art.-No.	Height	Capacity	
77-9147	5 cm/2"	0.1	
77-9148	7 cm/2 1/2"	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/6 1/4"	1.5	
77-9152	17 cm/6 1/2"	2.0	
Mayo Safety Pin			
Art.-No.	Length		
77-9995	14 cm/5 1/2"		

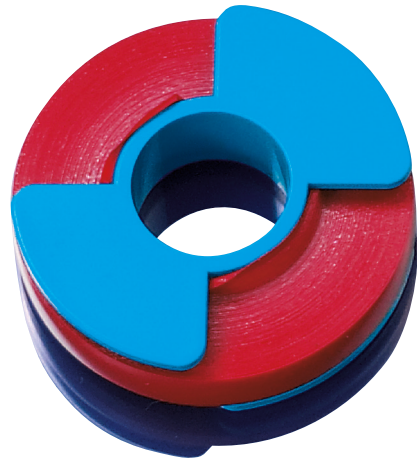
Mayo Safety Pin





Instrument Marking Tape

helps organizing and identifying instruments as they move between sterile processing and the OR.

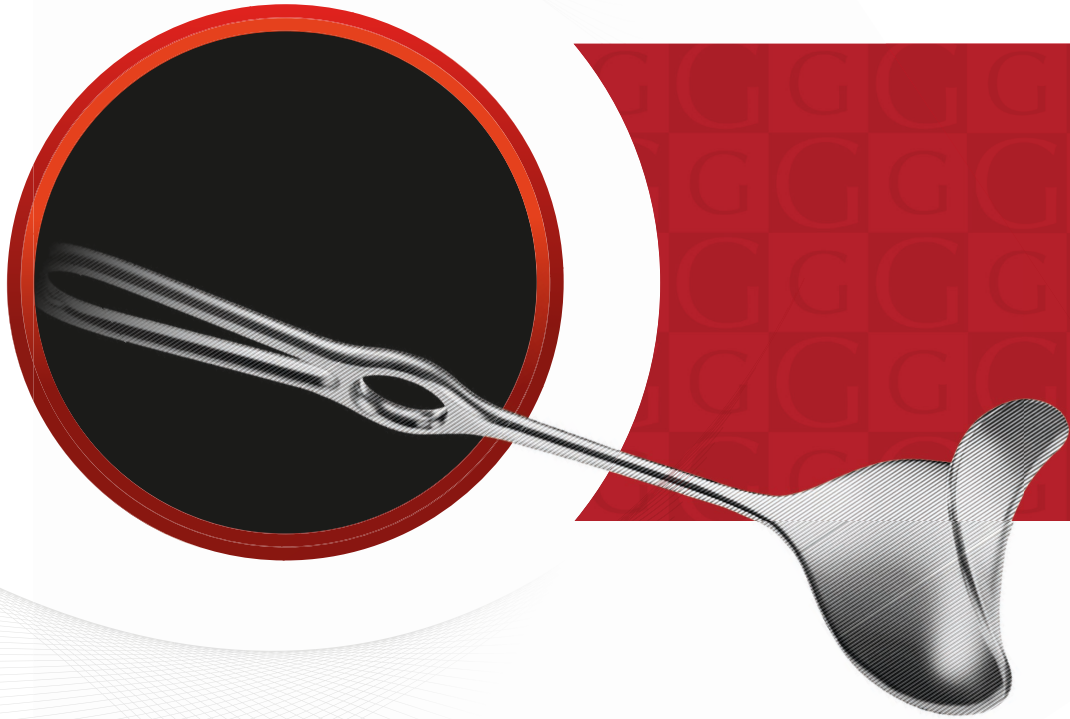


Instrument Marking Tape

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
00-4009	black non-sterile 7.6m roll



Electrosurgical Units



Wound Hooks | Dissectors
Raspatories | Retractors | Hand Retractors
Bone Curettes | Lung Spatulas



Crile

Crile

Cushing

Adson

Adson

Crile

Art.-No. 30-0299 **Length** 14.5 cm/5½" 7 mm

Crile

Art.-No. 30-0300 **Length** 20 cm/8" 7 mm

Cushing

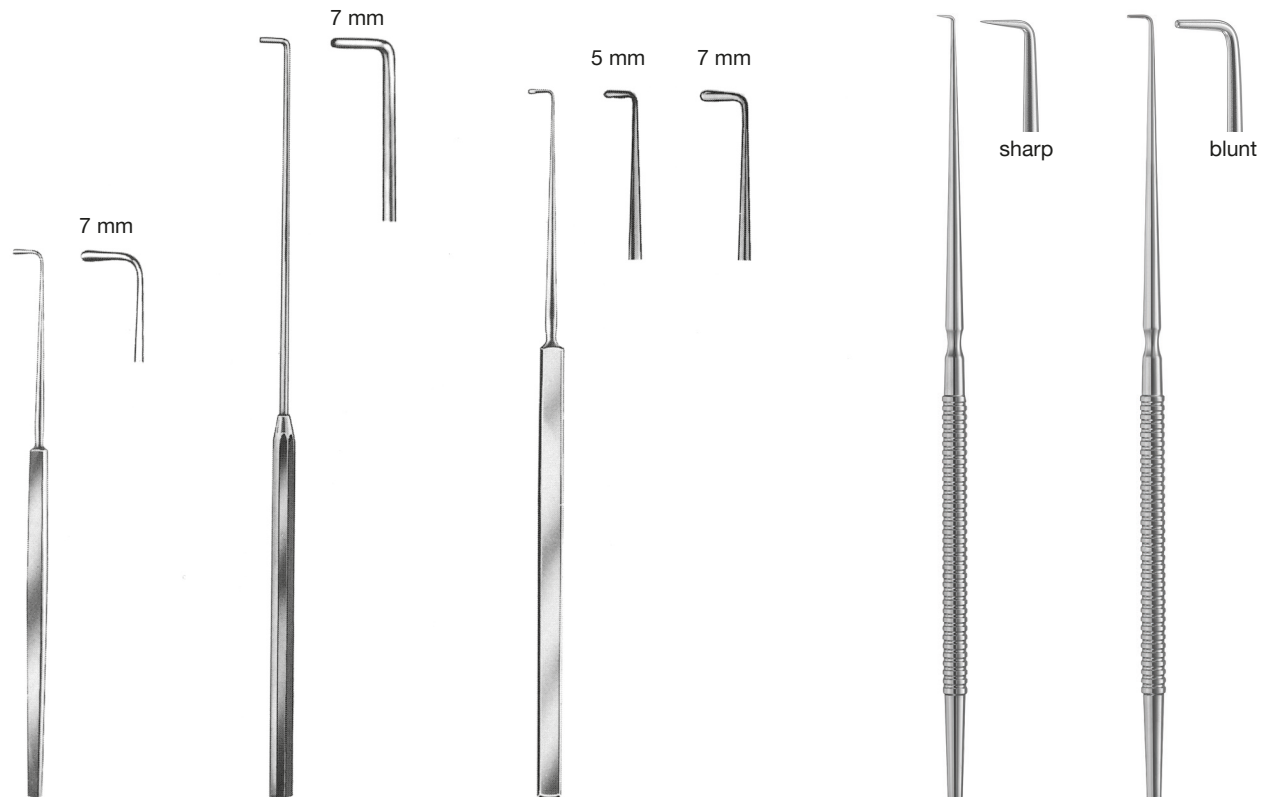
Art.-No. 30-0304 **Length** 19 cm/7½" 5 mm
 30-0305 19 cm/7½" 7 mm
 30-0306 28 cm/11" 5 mm
 30-0307 28 cm/11" 7 mm

Adson sharp

Art.-No. 30-0315 **Length** 20 cm/8"

Adson blunt

Art.-No. 30-0316 **Length** 20 cm/8"



Smithwick



Hoen



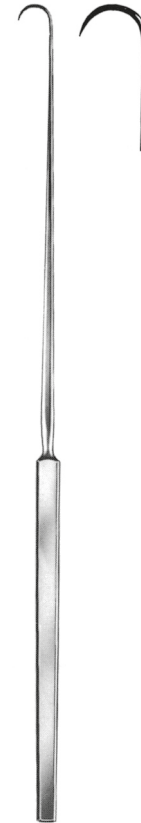
Blalock



Dandy



Sachs

**Smithwick**

Art.-No.	Length
30-0310	17 cm/6½"
30-0311	21 cm/8¼"

Hoen

Art.-No.	Length
30-0275	22 cm/8½"

**Blalock
Suture Hook**

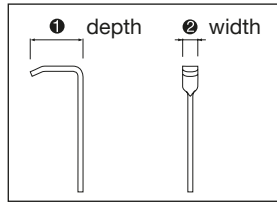
Art.-No.	Length
30-0301	24 cm/9½"

Dandy

Art.-No.	Length
30-0281	22 cm/8¾"

Sachs

Art.-No.	Length
30-0312	21 cm/8¼"



- ① first number = depth
 ② second number = width

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

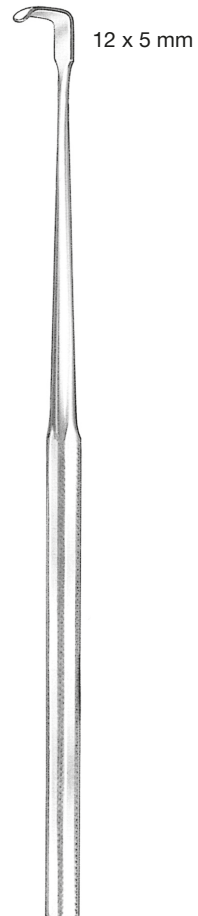
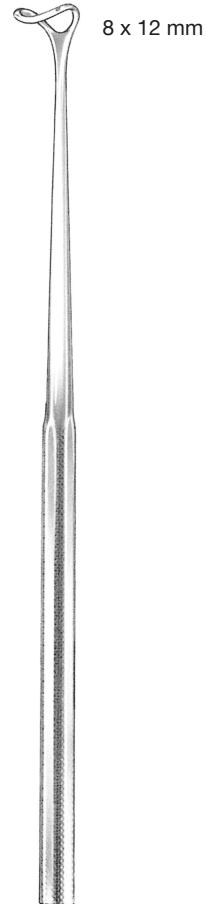
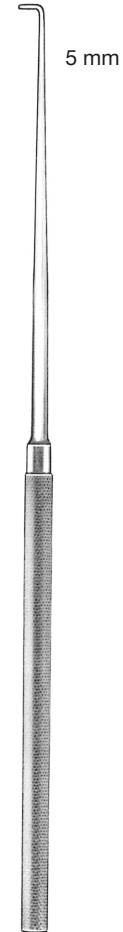
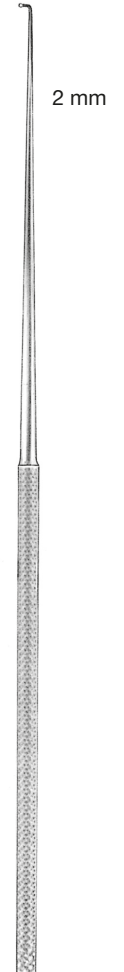
Art.-No. **Length**
 30-0153 18.5 cm/7" 3 x 10 mm

Premie

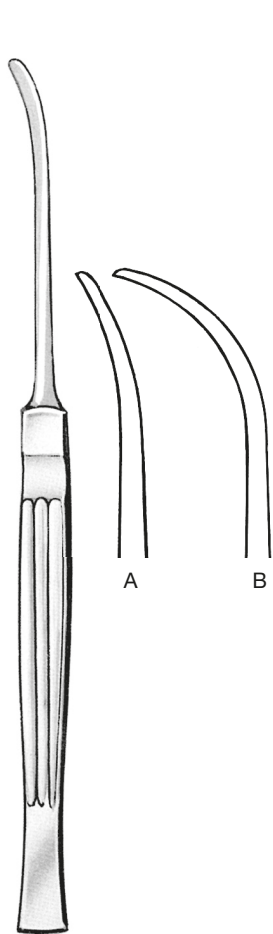
Art.-No. **Length** ✱
 41-1053 18 cm/7" 90° 5 mm

**Premie
with ball**

Art.-No. **Length** ✱
 41-1015 19 cm/7½" 90° 2 mm

Moberg**Moberg****Zenker****Premie****Premie**

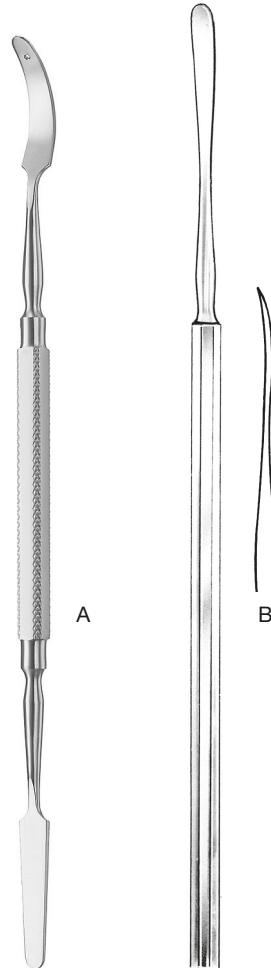
Lemmon



Watson-Cheyne



Mc Donald



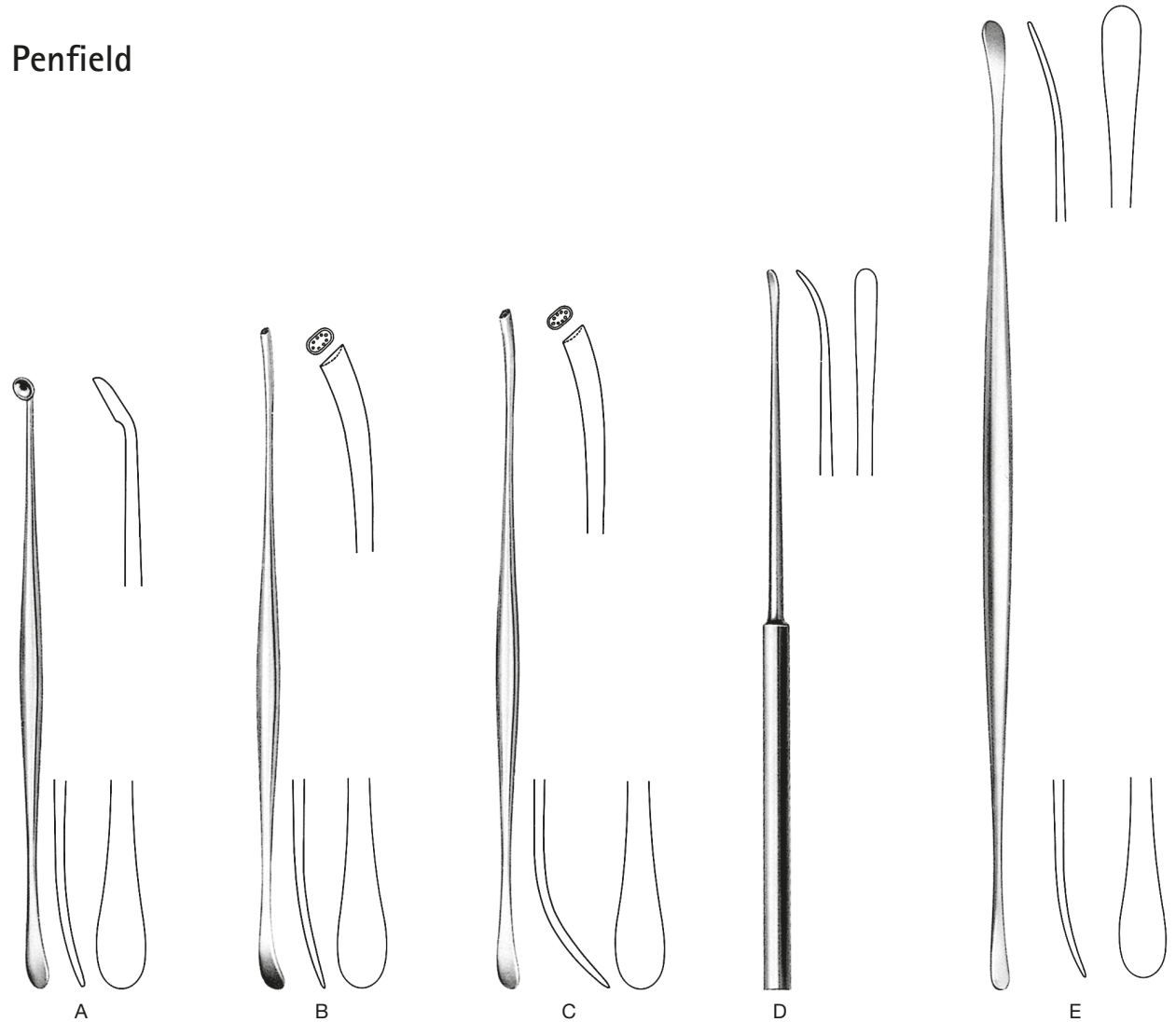
Robb



Lemmon Intima Dissectors		
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	20.5 cm/8"
28-0031.03	3.0/1.5 mm	20.5 cm/8"
28-0031.04	4.0/2.0 mm	20.5 cm/8"
28-0031.05	5.0/2.5 mm	20.5 cm/8"

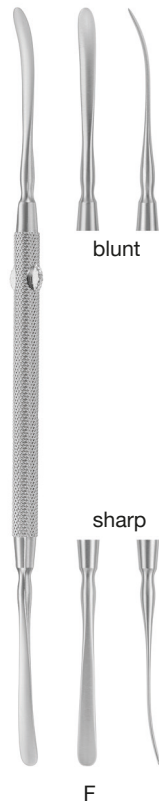


Penfield

**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"

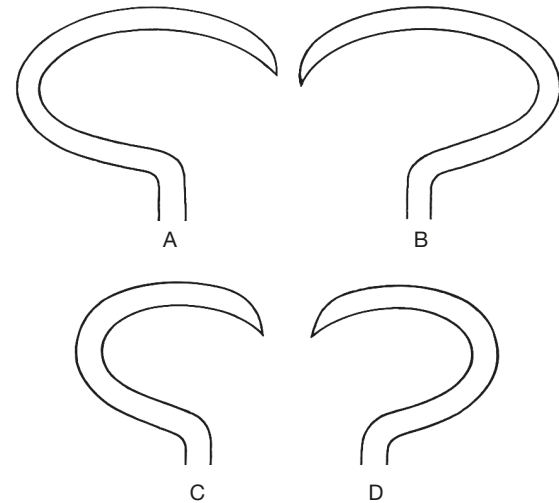
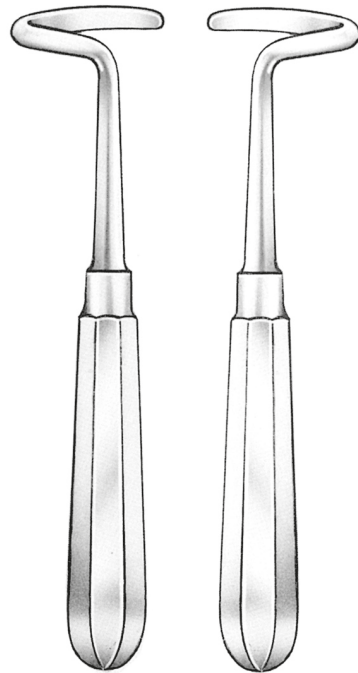
Freer



Freer Art.-No.	Fig.	Length
28-0071	F	20 cm/8"
28-0072	G	20 cm/8"



Doyen



Doyen			
Art.-No.	Fig.	Length	
40-8230	B	17 cm/6½"	
40-8240	A	17 cm/6½"	
for children			
40-8235	D	17 cm/6½"	
40-8245	C	17 cm/6½"	

Semb

**Semb**

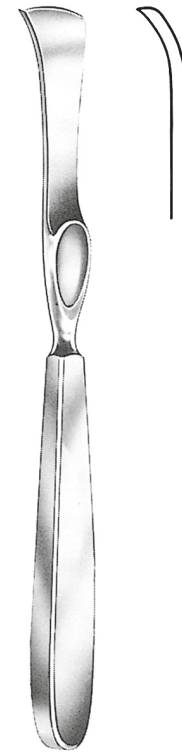
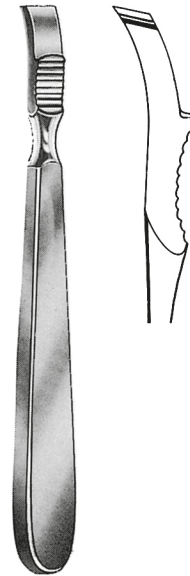
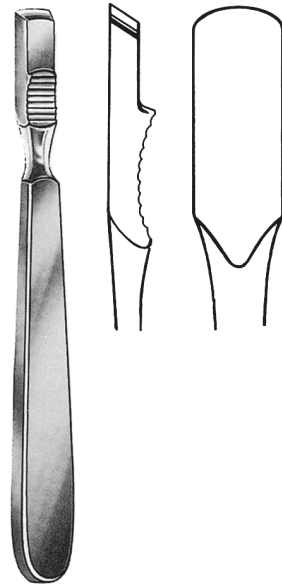
Art.-No.	Fig.	Length	
40-8202	A	22 cm/8½"	15 mm
40-8203	B	22 cm/8½"	15 mm
40-8204	C	22 cm/8½"	13 mm
40-8205	D	17.5 cm/7"	13 mm
40-8206	E	23 cm/9"	12 mm
40-8207	F	19.5 cm/7½"	12 mm
40-8208	G	21.5 cm/8¼"	13 mm



Farabeuf

Farabeuf

Lambotte

**Farabeuf**

Art.-No.	Length	
40-8300	15 cm/6"	12.5 mm

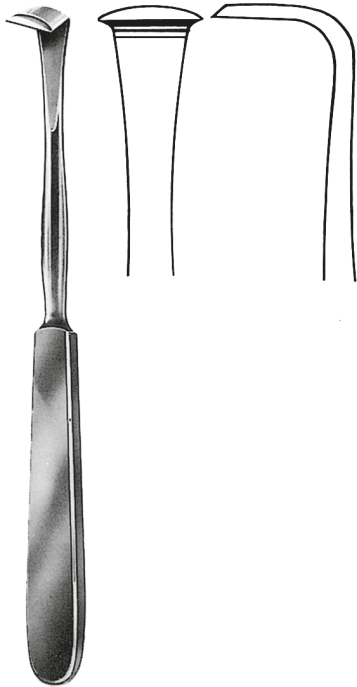
Farabeuf

Art.-No.	Length	
40-8305	15 cm/6"	12.5 mm

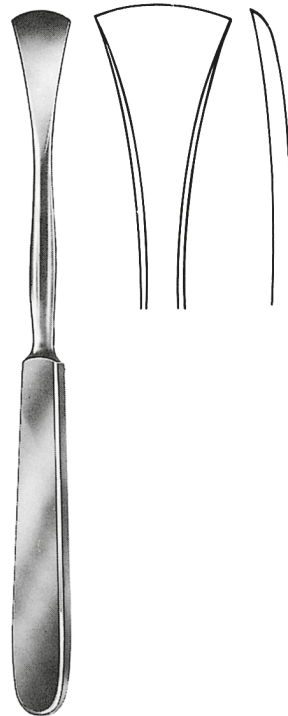
Lambotte

Art.-No.	Length
40-8345	5 mm
40-8350	10 mm
40-8355	15 mm
40-8360	20 mm
40-8365	25 mm

Langenbeck



Langenbeck

**Langenbeck**

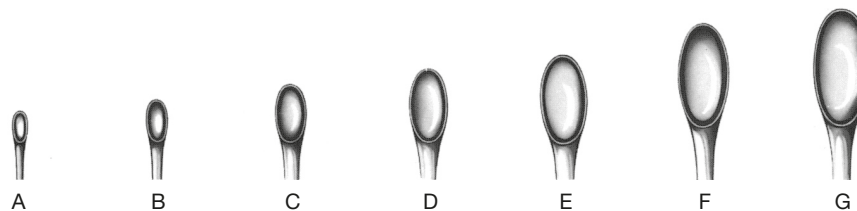
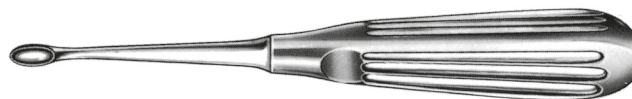
Art.-No.	Length	
40-8380	18 cm/7"	14 mm

Langenbeck

Art.-No.	Length	
40-8382	19 cm/7½"	16 mm

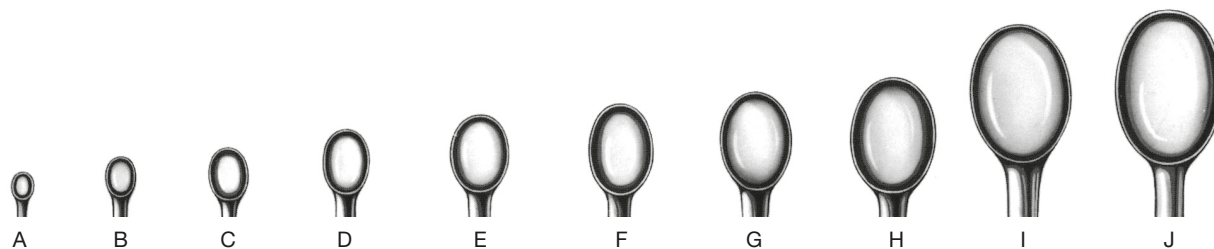
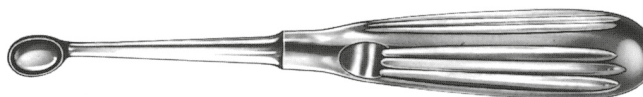


Schede

**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
Malleable**

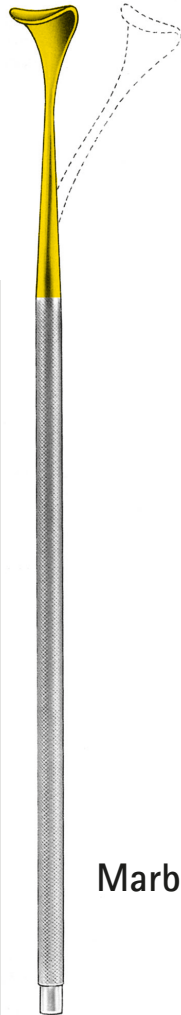
Art.-No.	Length	Width
30-0099	24 cm/9½"	4 mm
30-0100	24 cm/9½"	6 mm
30-0101	24 cm/9½"	8 mm
30-0102	24 cm/9½"	12 mm
30-0103	24 cm/9½"	15 mm
30-0104	24 cm/9½"	17 mm
30-0105	24 cm/9½"	20 mm
30-0106	24 cm/9½"	23 mm

**Cushing
Not Malleable**

Art.-No.	Fig.	Length	Width
30-0121	A	24 cm/9½"	8 mm
30-0122	B	24 cm/9½"	10 mm
30-0123	C	24 cm/9½"	12 mm
30-0124	D	24 cm/9½"	14 mm
30-0125	E	24 cm/9½"	16 mm
30-0126	F	24 cm/9½"	18 mm

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



A



B



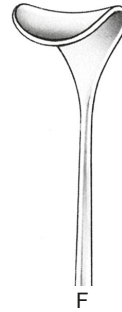
C



D



E



F

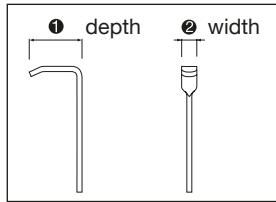


Cushing

Wire
Retractor

Retractors

GEISTER®

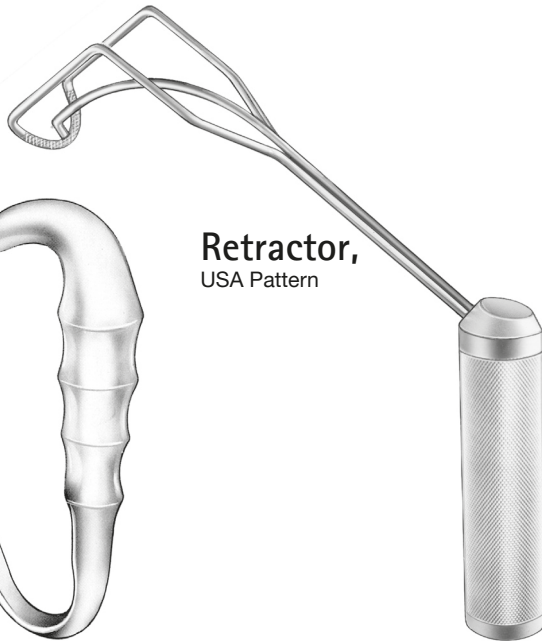


- ① first number = depth
② second number = width

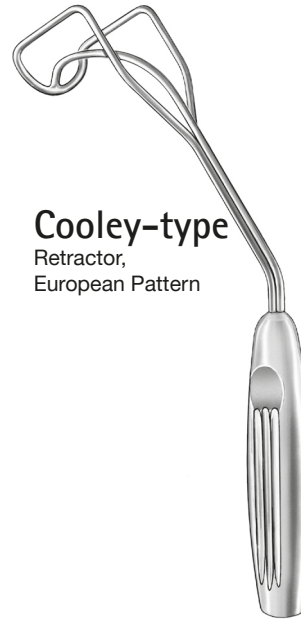
Davidson
Retractors



Retractor,
USA Pattern



Coolley-type
Retractor,
European Pattern



Davidson
Retractors

Art.-No.	Length	Size
30-0350	16 cm/6¼"	75 x 50 mm
30-0352	16 cm/6¼"	75 x 90 mm

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

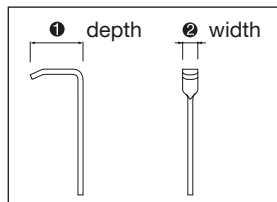
Coolley-type

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



Retractors



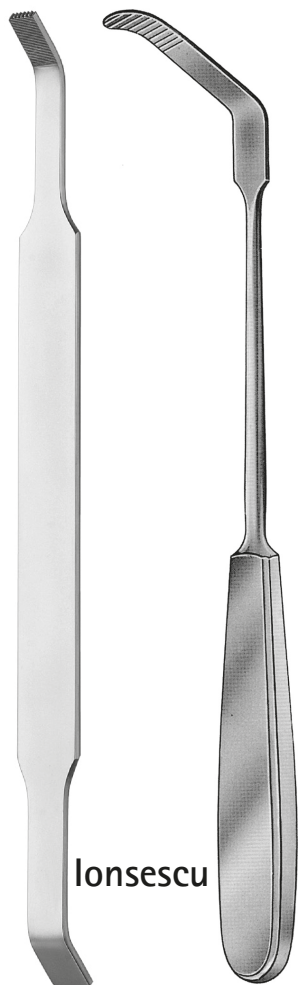
- ① first number = depth
 ② second number = width

Ionsescu

Art.-No.	Length	Size mm
30-0354	21 cm/8 1/4"	7/10

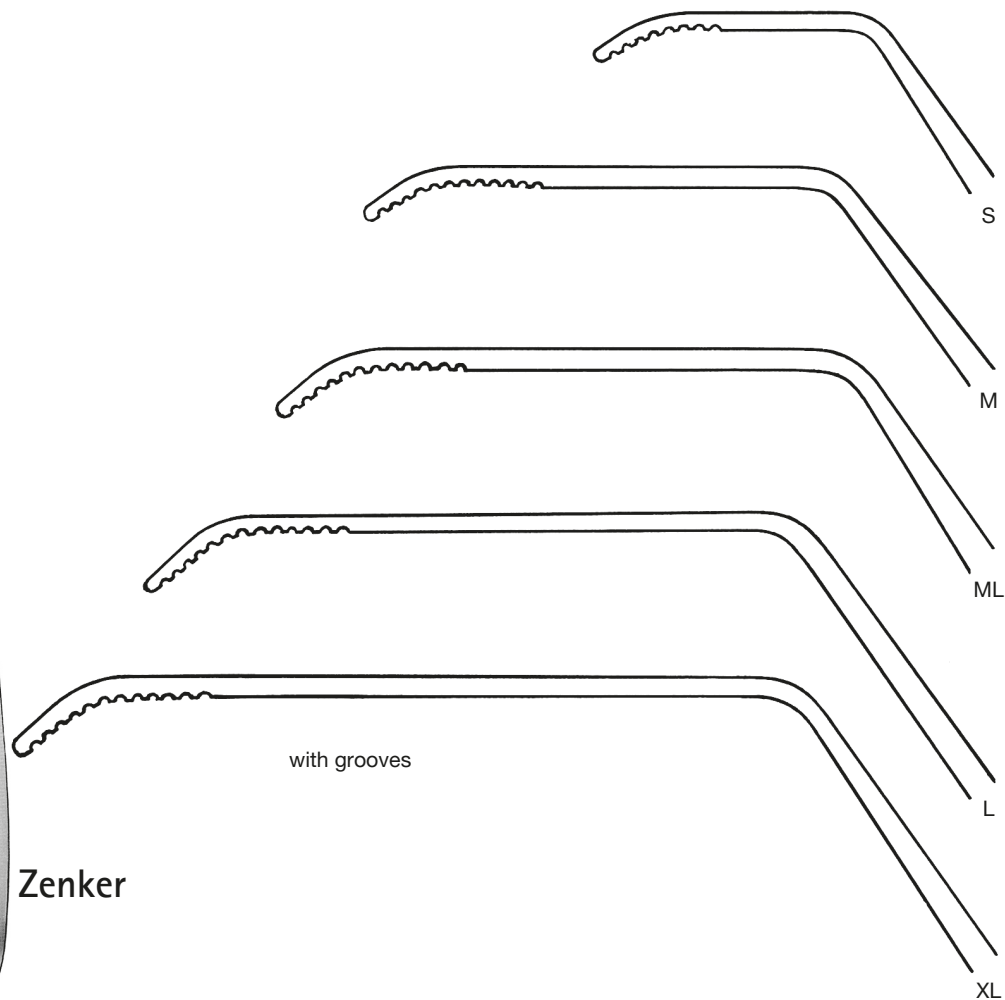
Zenker

Art.-No.	Fig.	Length	Size mm
30-0200	S	25 cm	35 x 8
30-0201	M	26 cm	60 x 12
30-0202	ML	27 cm	75 x 12
30-0203	L	27 cm	85 x 20
30-0204	XL	27 cm	100 x 25



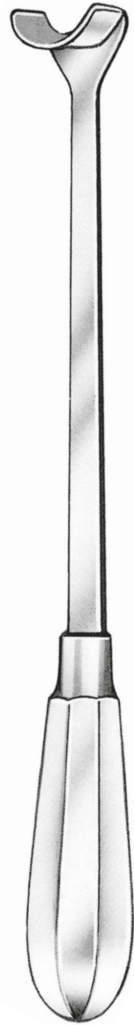
Ionsescu

Zenker



with grooves

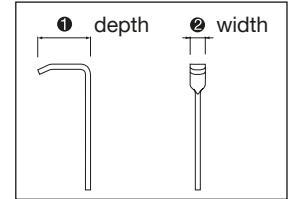
XL



Ross



Blanco



- ① first number = depth
- ② second number = width

Retractors Shaft malleable

Art.-No.	Length mm	Length cm/''
30-0388.01	17 x 21 mm	270 mm/10 ³ / ₄ ''
30-0388.02	16 x 23 mm	270 mm/10 ³ / ₄ ''
30-0388.03	20 x 25 mm	270 mm/10 ³ / ₄ ''
30-0388.04	24 x 27 mm	270 mm/10 ³ / ₄ ''
30-0388.05	28 x 20 mm	270 mm/10 ³ / ₄ ''
30-0388.06	28 x 29 mm	270 mm/10 ³ / ₄ ''

Ross

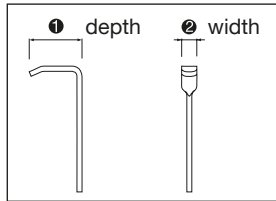
Art.-No.	Fig	Length cm/''	Size mm
30-0390	1	24/9 ¹ / ₂	16 x 15
30-0391	2	24/9 ¹ / ₂	23 x 13
30-0392	3	24/9 ¹ / ₂	24 x 16
30-0393	4	24/9 ¹ / ₂	27 x 13
30-0394	5	24/9 ¹ / ₂	27 x 27
30-0395	6	24/9 ¹ / ₂	25 x 39

Blanco

Art.-No.	Length	Width
30-0090	28 cm/11''	5 mm
30-0091	28 cm/11''	7 mm
30-0092	28 cm/11''	10mm



Retractors, Lung Spatulas



- ❶ first number = depth
❷ second number = width

Crawford

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

Art.-No.	
30-0365	127 x 40 mm, 32 cm
30-0366	127 x 62 mm, 32 cm

**Allison
Lung Spatulas**

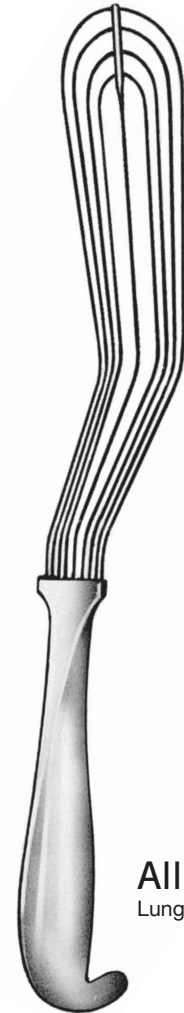
Art.-No.	Lenght cm/''	Size mm
30-0360	32/12 ½	for adults
30-0361	26/10 ¼	for children

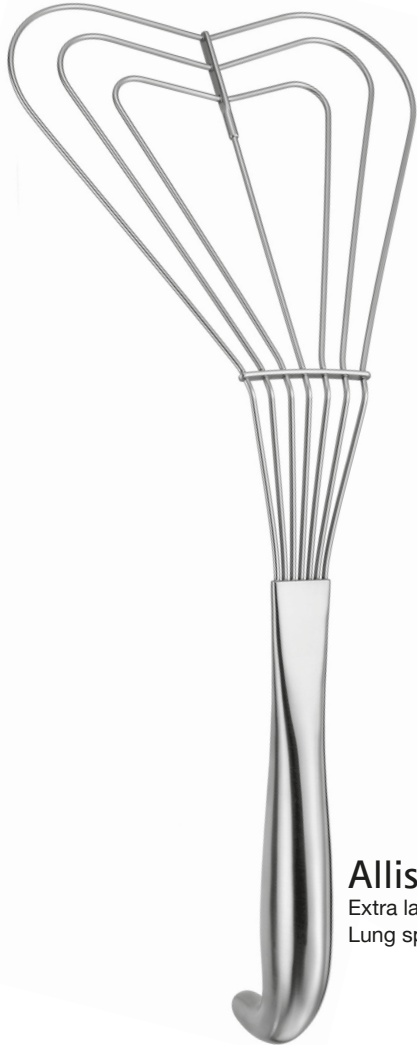


Crawford



Harrington

Allison
Lung Spatulas



Allison
Extra large
Lung spatula



Slade
Baby-Allison
Lung Spatula



Walton
Copper Retractors/
Abdominal Spatulas

Allison
Extra large Lung spatula

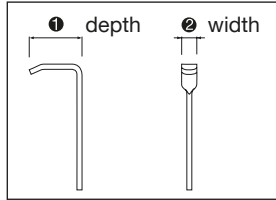
Art.-No.	Length	Size mm
30-0362	30 cm/12"	137

Slade
Baby-Allison Lung Spatula

Art.-No.	L
30-0363	42 mm
30-0364	23 mm

Walton
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



- ❶ first number = depth
- ❷ second number = width

Tudor-Edwards (UK)

Art.-No.	Length	Size mm
30-0495	16.5 cm/6½"	45 x 50

Brock's (UK)

Art.-No.	Length	Size mm
30-0497	19 cm/7½"	13 x 29

Brompton (UK)

Art.-No.	Length	Size mm
30-0496	19 cm/7½"	13 x 26





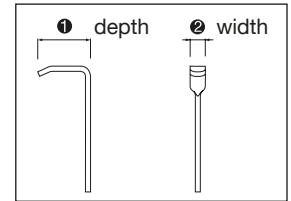
Cleland's (UK)



Brock's (UK)



Langenbeck (UK)



- ① first number = depth
- ② second number = width

Cleland's (UK)		
Art.-No.	Length	Size
30-0494	25 cm/10"	10 mm

Brock's (UK)		
Art.-No.	Length	Size
30-0397	19 cm/7 1/2"	5 mm
30-0398	19 cm/7 1/2"	10 mm
30-0399	19 cm/7 1/2"	12 mm

Langenbeck (UK)		
Art.-No.	Length	Size
30-0006	20.5 cm/8"	45 x 14 mm
30-0007	20.5 cm/8"	62 x 25 mm
30-0008	20.5 cm/8"	90 x 18 mm



Deaver



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

Lung Spatulas

GEISTER®



3



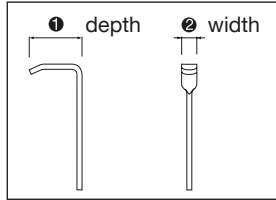
4



5

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



- ❶ first number = depth
❷ second number = width

Richardson-Eastman

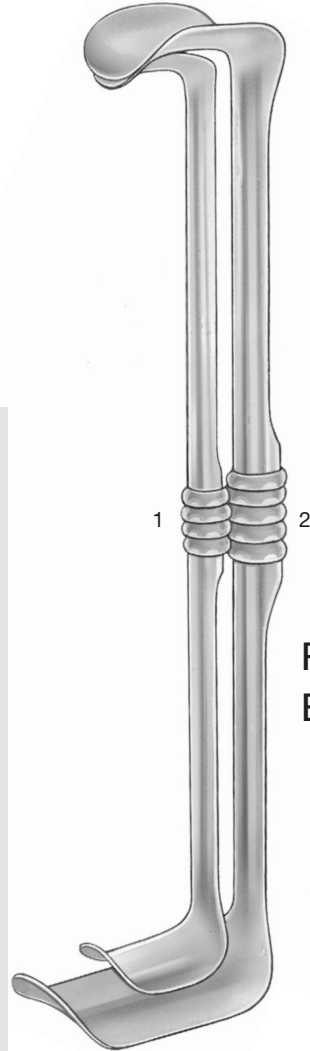
Art.-No.	Fig.	Length	Size mm
30-0470	1	25 cm/10"	28 x 20
	2	25 cm/10"	36 x 28
		27 cm/10¾"	49 x 38
		27 cm/10¾"	71 x 43

US-Army (Parker-Langenbeck)

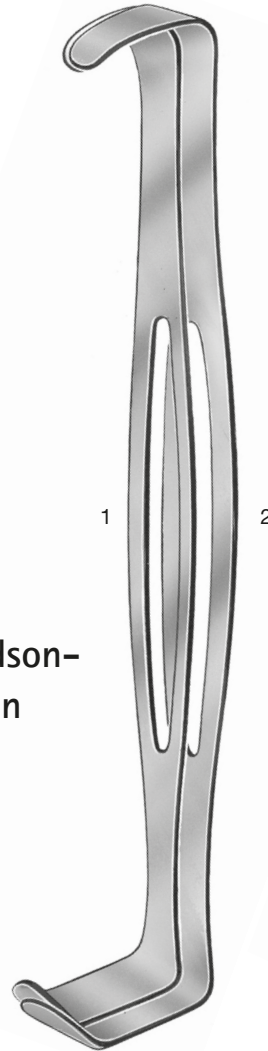
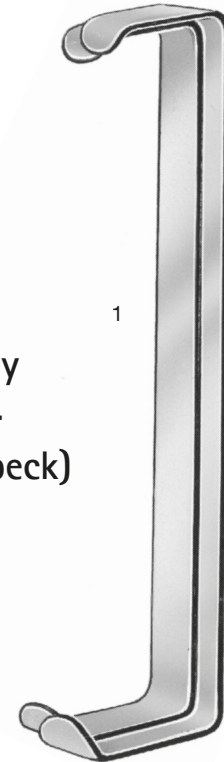
Art.-No.	Fig.	Length	Size mm
30-0490	1	21 cm/8¼"	27 x 15
		21 cm/8¼"	40 x 15
	2	21 cm/8¼"	31 x 15
		21 cm/8¼"	45 x 15

Farabeuf

Art.-No.	Fig.	Length	Size mm
30-0485	1	12 cm/5¾"	26 x 10
		12 cm/5¾"	30 x 13
	2	12 cm/5¾"	30 x 10
		12 cm/5¾"	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



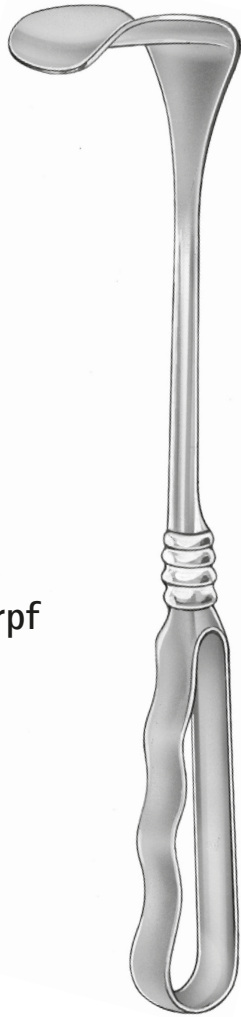
Richardson-Eastman

US-Army
(Parker-Langenbeck)

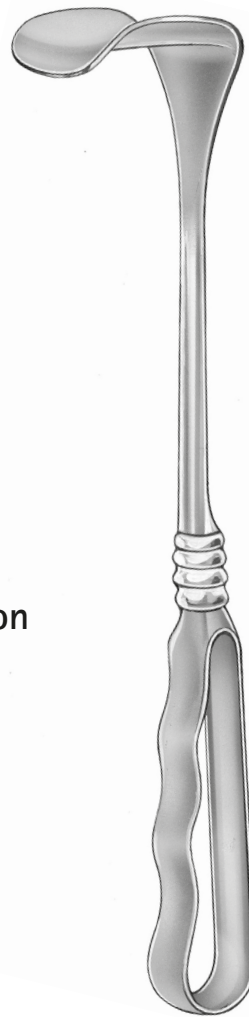
Farabeuf



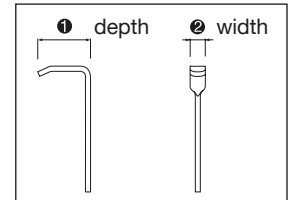
Middeldorpf



Richardson



Kelly



- ① first number = depth
- ② second number = width

Middeldorpf

Art.-No.	Length	Size mm
30-0195	21.5 cm/8 1/4"	15 x 16
30-0196	22.5 cm/8 3/4"	20 x 22
30-0197	23.5 cm/9"	28 x 29

Richardson

Art.-No.	Length	Size mm
30-0471	24 cm/9 1/2"	28 x 20
30-0472	24 cm/9 1/2"	36 x 28
30-0473	24 cm/9 1/2"	44 x 38
30-0474	24 cm/9 1/2"	52 x 22

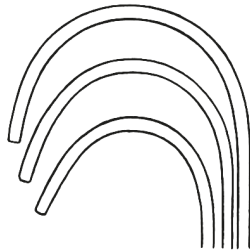
Kelly

Art.-No.	Length	Size mm
30-0475	26 cm/10 1/4"	65 x 50



Retractors

30-0480.03
30-0480.02
30-0480.01



Desmarres

Art.-No.	Fig.	Length	Size mm
30-0080	A	13 cm/5"	8
30-0081	B	13 cm/5"	10
30-0082	C	13 cm/5"	12
30-0083	D	13 cm/5"	14
30-0084	E	13 cm/5"	16
30-0085	F	13 cm/5"	18

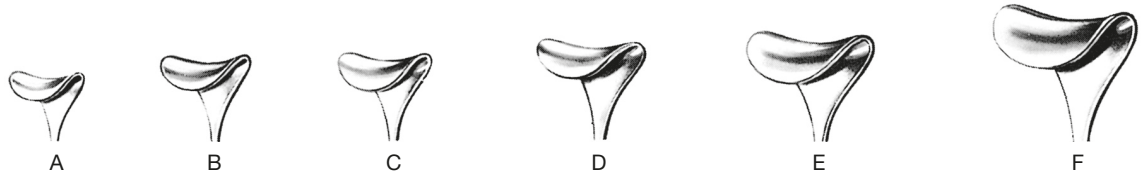
Roux

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 26
	B	16.5 cm/6 1/4"	28 x 31
30-0480.02	A	16.5 cm/6 1/4"	26 x 28
	B	16.5 cm/6 1/4"	34 x 37
30-0480.03	A	16.5 cm/6 1/4"	29 x 31
	B	16.5 cm/6 1/4"	38 x 42
30-0483	A	13 cm/5"	15 x 17
	B	13 cm/5"	18 x 21
30-0481	A	16.5 cm/6 1/4"	20 x 43
	B	16.5 cm/6 1/4"	43 x 23
30-0482	A	18 cm/7"	31 x 27
	B	18 cm/7"	48 x 27

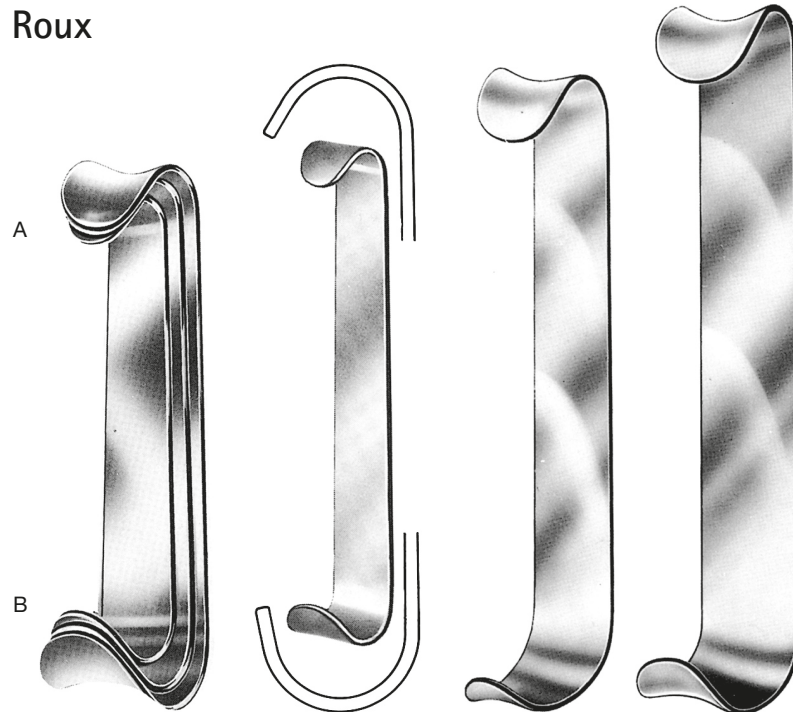
Mini Roux

Art.-No.	Length
30-0484	15 cm/6"

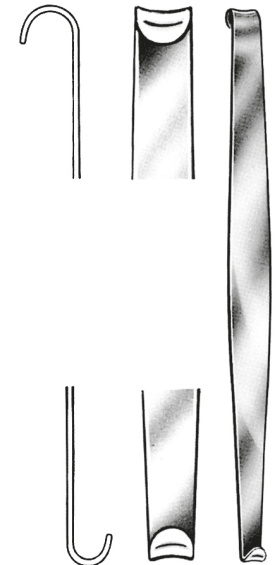
Desmarres



Roux

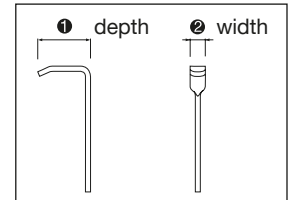
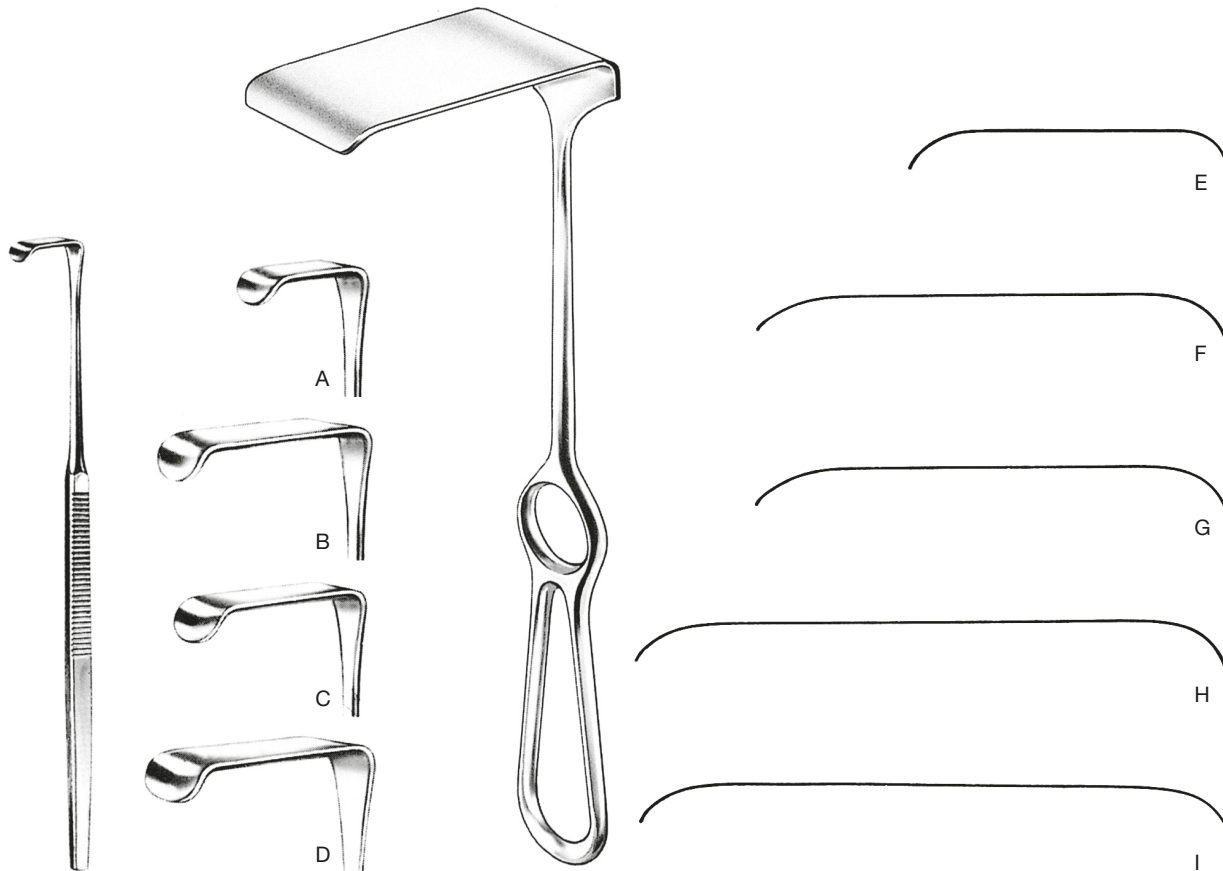


Mini-Roux



Mini-Langenbeck

Kocher



- ① first number = depth
- ② second number = width

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






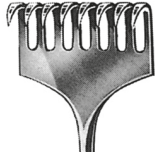
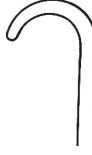




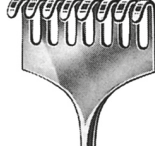





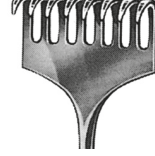
Art.-No.	Fig.	Length	Size mm
30-0054	E	23 cm/9"	40 x 18
30-0055	F	23 cm/9"	60 x 20
30-0056	G	23 cm/9"	60 x 25
30-0057	H	23 cm/9"	75 x 30
30-0058	I	23 cm/9"	75 x 40



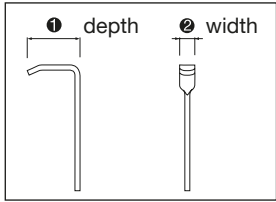
Hand-held Retractors



Volkmann

		9 x 8 mm	9 x 13 mm	9 x 19 mm	9 x 29 mm	9 x 40 mm
sharp						
		30-1510 22 cm	30-1511 22 cm	30-1512 22 cm	30-1513 22 cm	30-1514 22 cm
blunt						
		30-1530 22 cm	30-1531 22 cm	30-1532 22 cm	30-1533 22 cm	30-1534 22 cm
semi-blunt						
		30-1520 22 cm	30-1521 22 cm	30-1522 22 cm	30-1523 22 cm	30-1524 22 cm

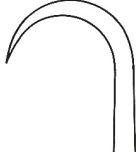



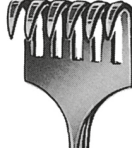
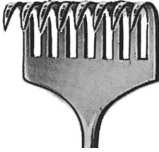
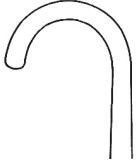




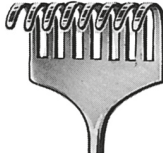
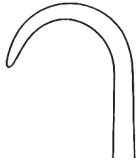




Hand-held Retractors



- ① first number = depth
- ② second number = width



Kocher

	15 x 10 mm	15 x 15 mm	15 x 20 mm	15 x 30 mm	15 x 40 mm	
sharp	 30-1540 22 cm	 30-1541 22 cm	 30-1542 22 cm	 30-1543 22 cm	 30-1544 22 cm	 30-1545 22 cm
blunt	 30-1560 22 cm	 30-1561 22 cm	 30-1562 22 cm	 30-1563 22 cm	 30-1564 22 cm	 30-1565 22 cm
semi-blunt	 30-1550 22 cm	 30-1551 22 cm	 30-1552 22 cm	 30-1553 22 cm	 30-1554 22 cm	 30-1555 22 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



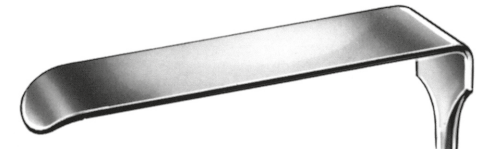
30-0025
21.5 cm, 55 x 11 mm
7



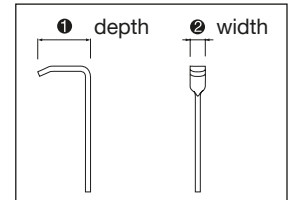
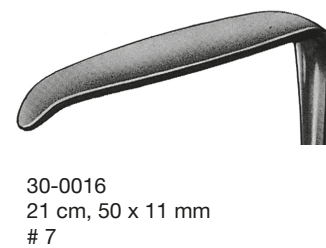
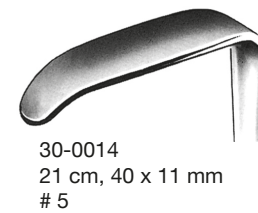
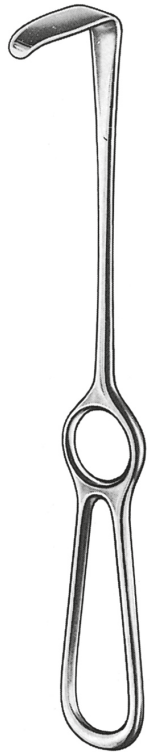
30-0026
21.5 cm, 70 x 14 mm
8



30-0027
21.5 cm, 80 x 12 mm
9



30-0028
21.5 cm, 80 x 16 mm
10



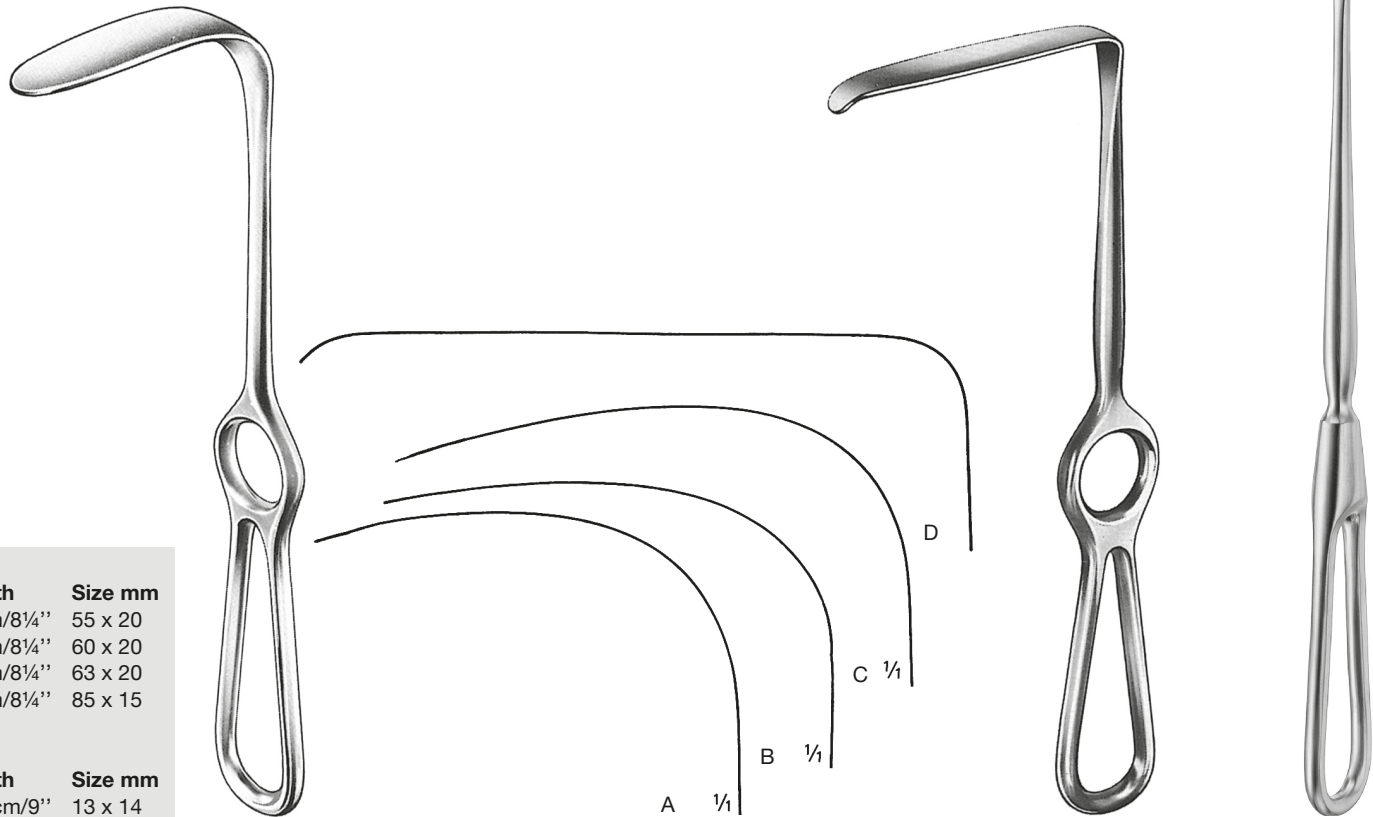
- ① first number = depth
- ② second number = width

Langenbeck



Langenbeck

Cushing

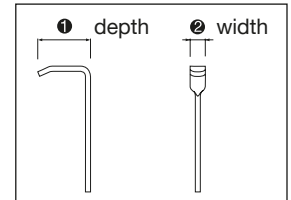
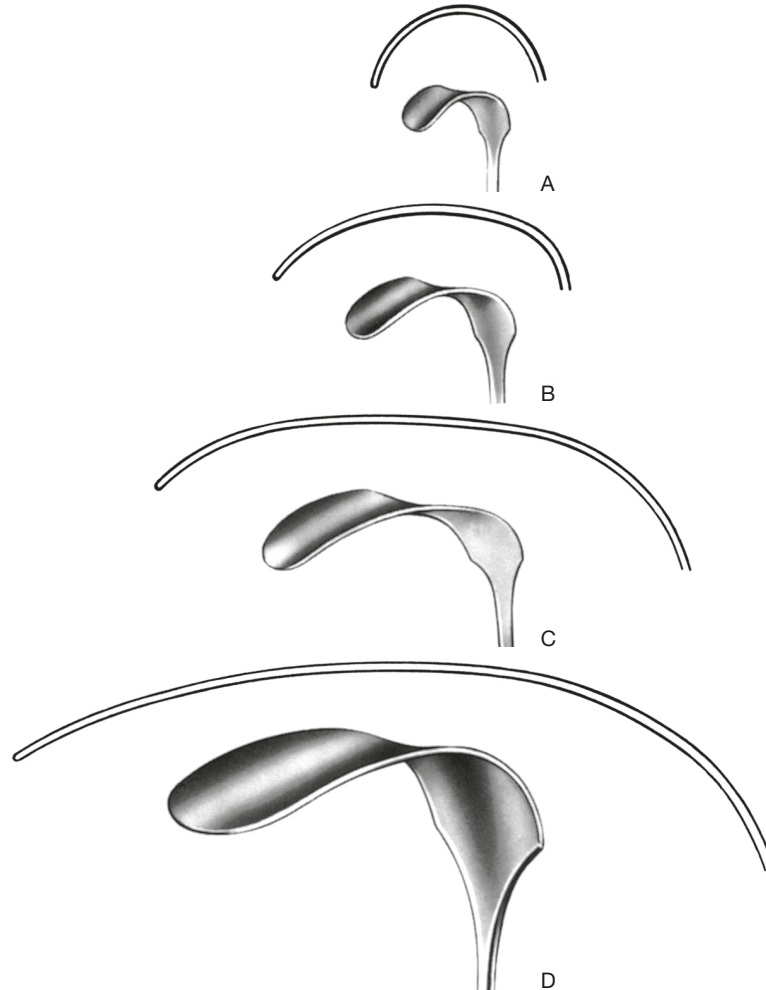
**Langenbeck**

Art.-No.	Fig.	Length	Size mm
30-0060	A	21 cm/8¼"	55 x 20
30-0061	B	21 cm/8¼"	60 x 20
30-0062	C	21 cm/8¼"	63 x 20
30-0063	D	21 cm/8¼"	85 x 15

Cushing

Art.-No.	Length	Size mm
30-0130	22.5 cm/9"	13 x 14

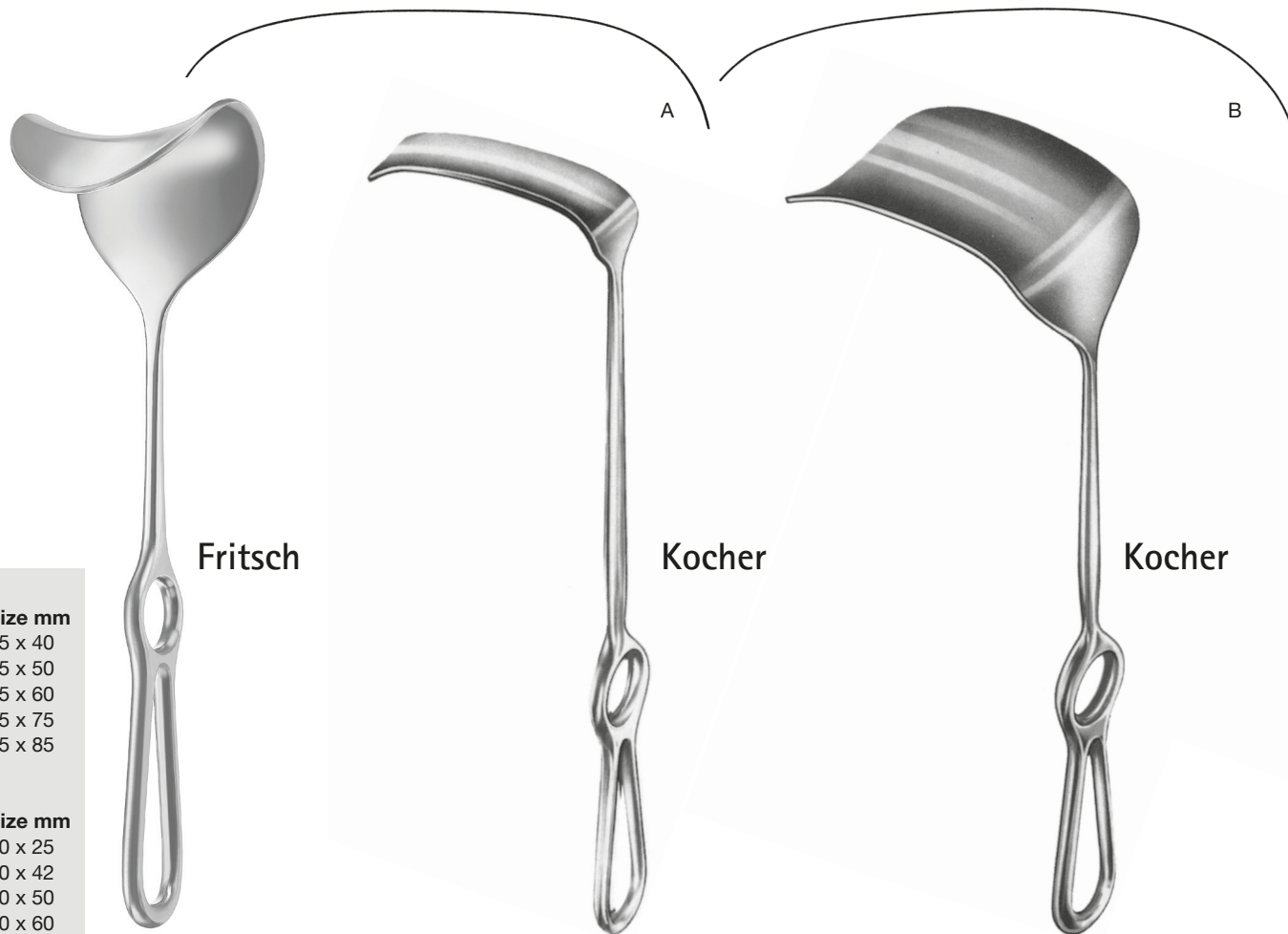
Kocher



- ① first number = depth
 ② second number = width

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

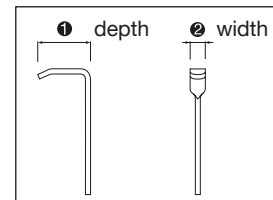
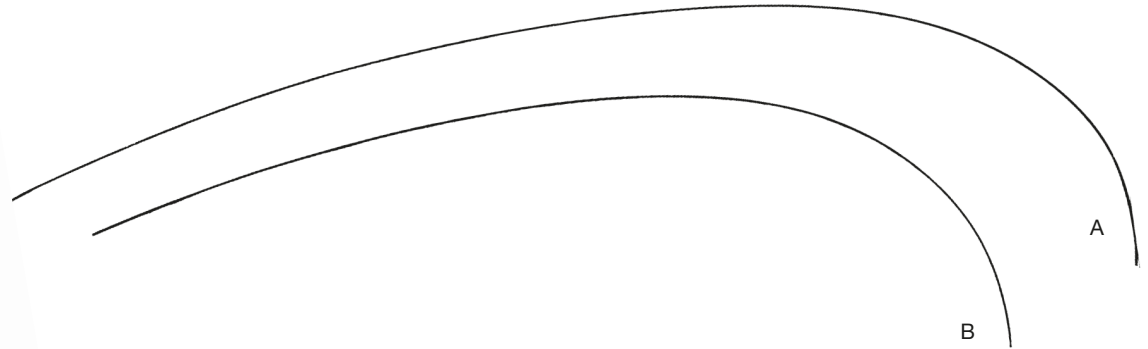
Art.-No.	Fig.	Length	Size mm
30-0431		24 cm/9½"	45 x 40
30-0432		24 cm/9½"	45 x 50
30-0433		24 cm/9½"	45 x 60
30-0434		24 cm/9½"	45 x 75
30-0435		24 cm/9½"	65 x 85

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



- ① first number = depth
- ② second number = width

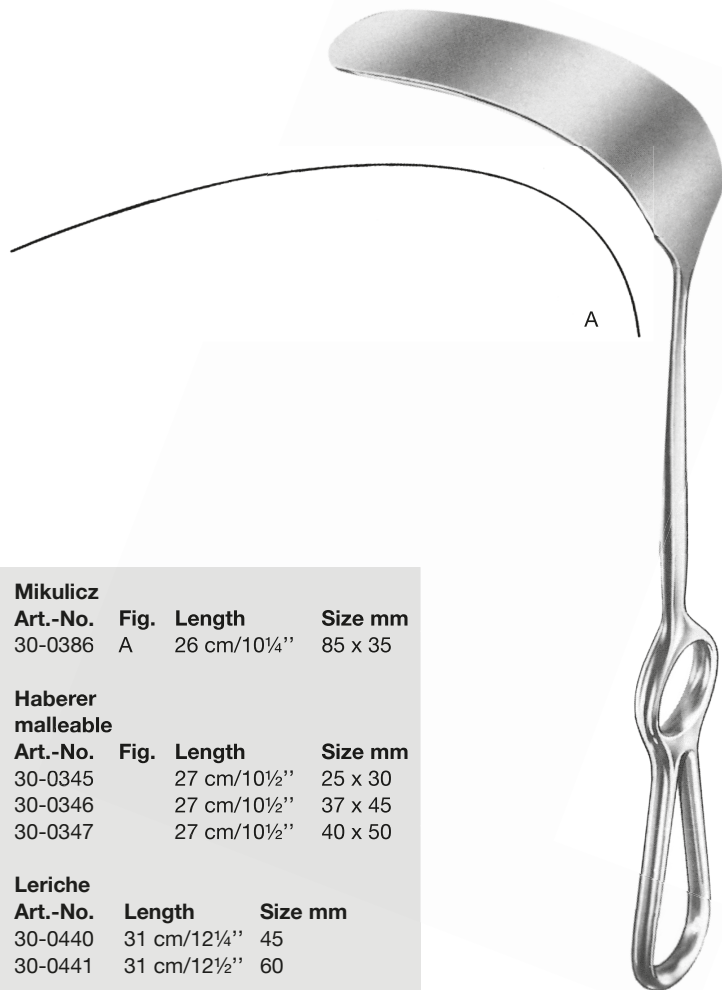
Mikulicz			
Art.-No.	Fig.	Length	Size mm
30-0380	A	26 cm/10¼"	155 x 50
30-0381	B	26 cm/10¼"	120 x 50



Mikulicz

Haberer

Leriche

**Mikulicz**

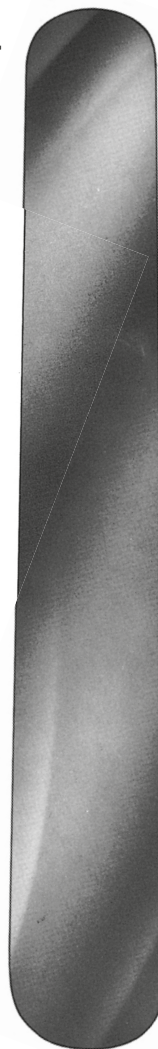
Art.-No.	Fig.	Length	Size mm
30-0386	A	26 cm/10¼"	85 x 35

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



30-0540.02

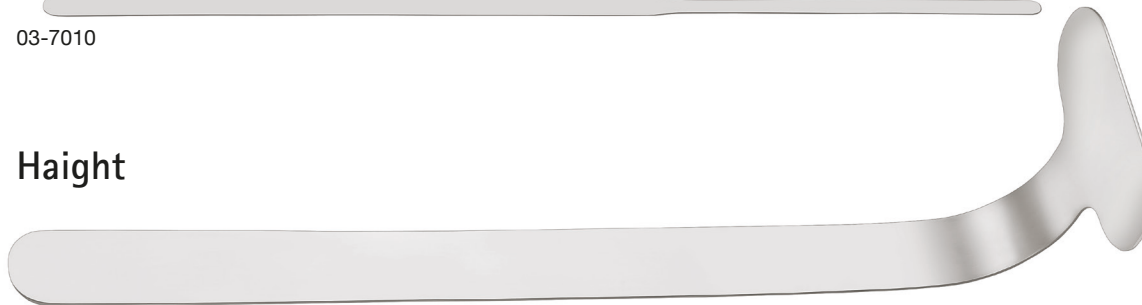


30-0541.04



03-7010

Haight



30-0542.01

Nitinol



30-0546.19

**Berlin/Hetzer Spatulas
Malleable Retractor Spatulas
for Pediatric Surgery**

Art.-No.	Length	Size A/B
30-0540.03	26.5 cm	41 mm/20 mm, varied
30-0540.02	25.0 cm	32 mm/20 mm, varied
30-0540.01	23.5 cm	16 mm/10 mm, varied
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**

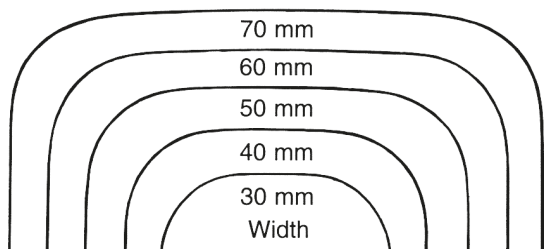
Art.-No.	Length	Size
30-0542.01	29.0 cm	75 mm
30-0542.02	30.0 cm	90 mm
30-0542.03	30.5 cm	102 mm
30-0542.04	32.5 cm	120 mm
30-0542.05	34.0 cm	140 mm

Spatulas, Memory, Nitinol

Art.-No.	Length	Size
30-0546.16	18.0 cm	16 mm
30-0546.19	18.0 cm	19 mm
30-0546.24	18.0 cm	24 mm
30-0547.20	20.0 cm	20 mm



Abdominal Spatulas

**Stainless Steel malleable**

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	27 cm/10 1/2"	20
30-0341	27 cm/10 1/2"	30
30-0342	27 cm/10 1/2"	40

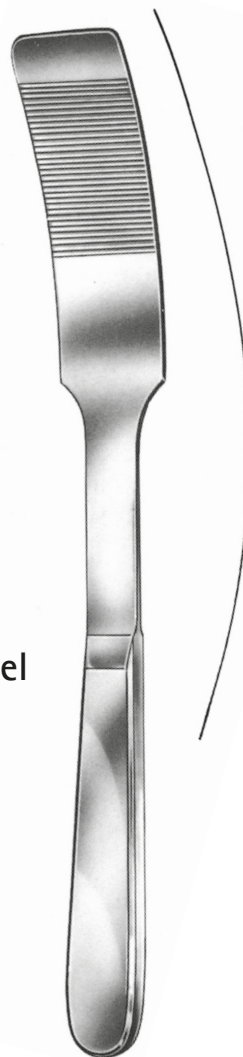
Koerte

Art.-No.	Length	Size mm
30-0344	28 cm/11"	100 x 45

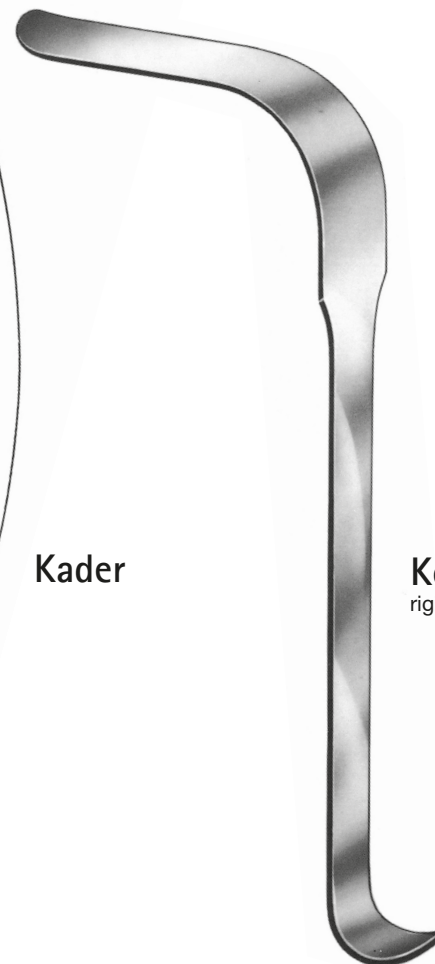
245 mm / 9 1/2"



Stainless Steel

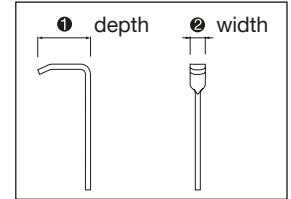
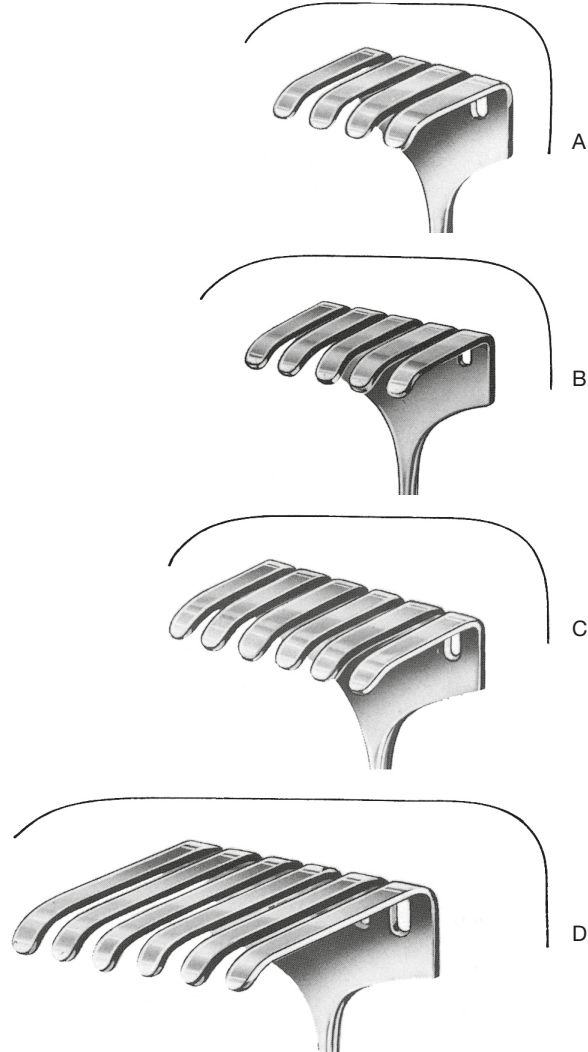


Kader

Koerte
rigid



Israel

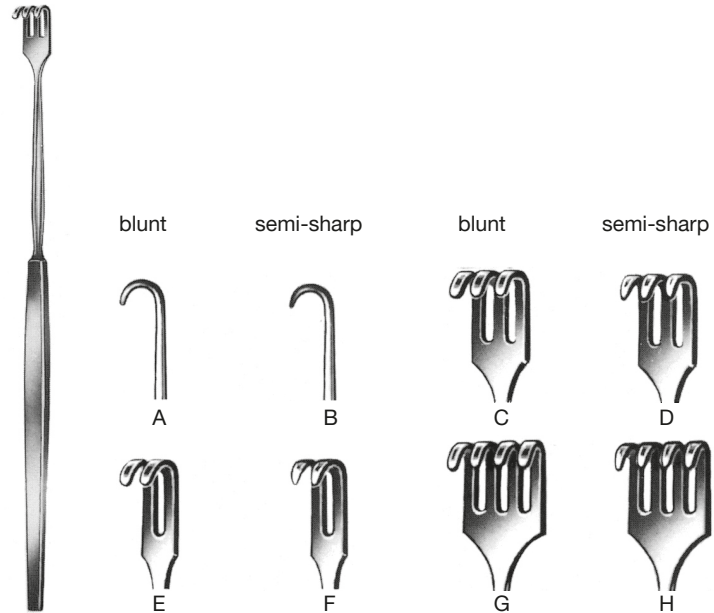


① first number = depth
 ② second number = width

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



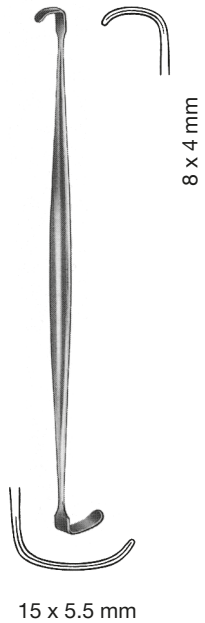
Trachea



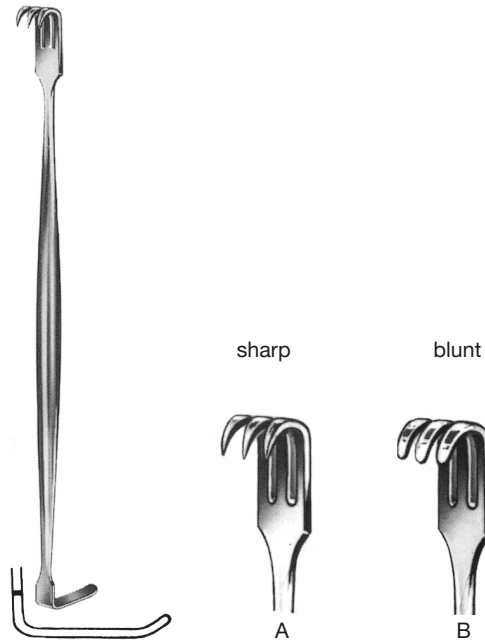
Trachea

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"

Ragnell-Davis



Senn-Mueller

**Ragnell-Davis**

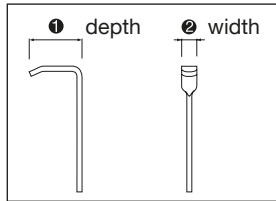
Art.-No.	Length
30-0170	14 cm/5½"

Senn-Mueller

Art.-No.	Fig.	Length
30-0175	A	16 cm/6¼"
30-0176	B	16 cm/6¼"



Fiberoptic Mamma Retractors



- ❶ first number = depth
- ❷ second number = width

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

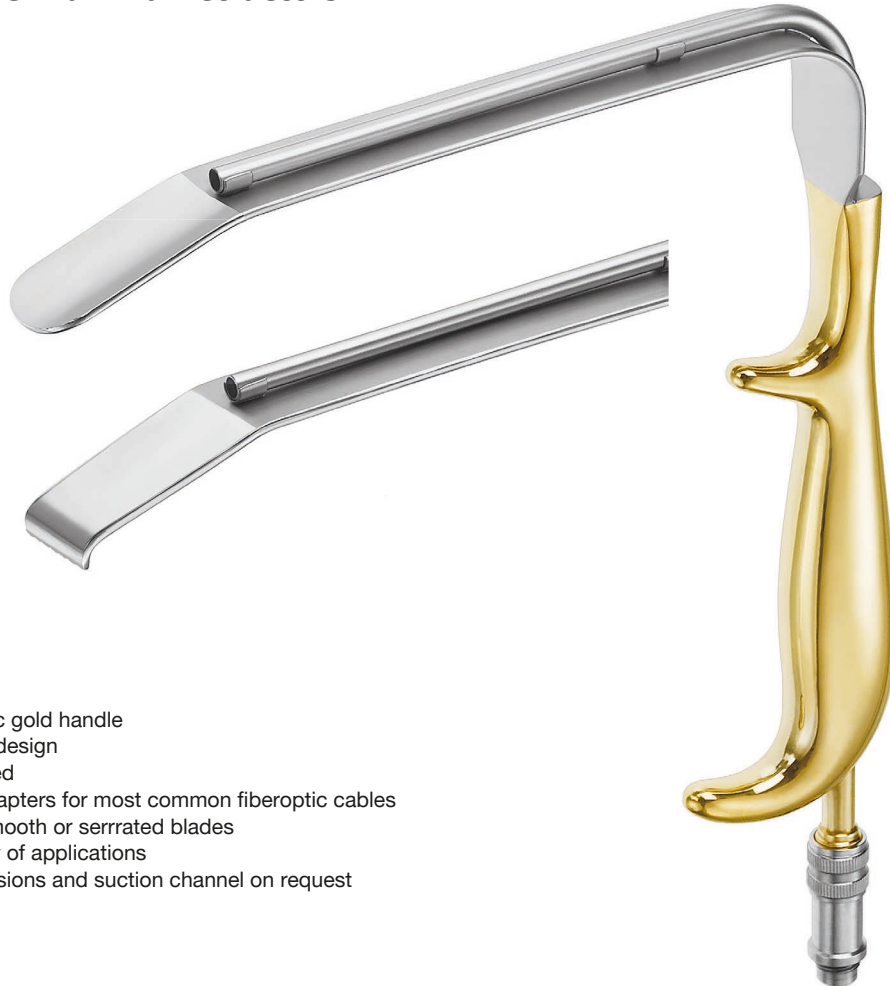
Serrated blade:

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

Smooth blade

Serrated blade

- + 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





ValveGate™ classic

Popular Instrument lengths approximate conversion

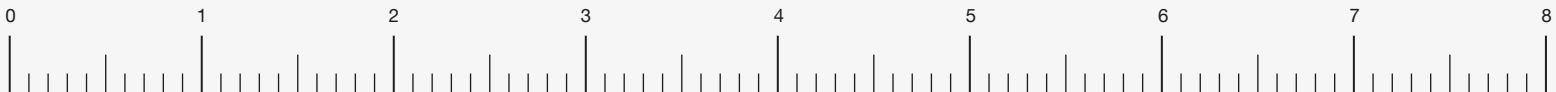
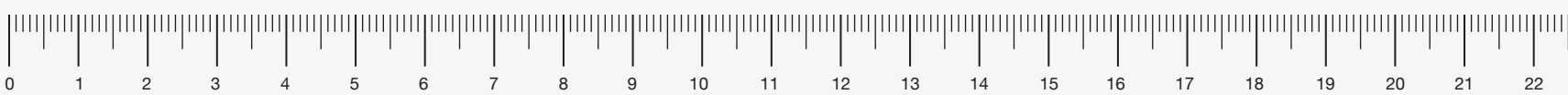
cm	2.5	3	4	4.5	5	5.5	6.5	7	7.5	9	10
inch"	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2	4

cm	11.5	12	12.5	14	14.5	15	16.5	17	18	18.5	19
inch"	4 1/2	4 3/4	5	5 1/2	5 3/4	6	6 1/2	6 3/4	7	7 1/4	7 1/2

cm	19.5	20.5	21.5	22	23	24	25.5	26.5	28	29	30.5
inch"	7 3/4	8	8 1/2	8 3/4	9	9 1/2	10	10 1/2	11	11 1/2	12

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