



# idol

Surgical Instruments

Thoracic, Cardiac  
and Vascular







We shape steel for health



## HAKKIMIZDA

2005 yılındaki kuruluşundan bu yana sağlık sektörünün gelişen ve değişen ihtiyaçlarını yakından izleyen İdol, cerrahi enstrümanlar alanında güvenilir bir çözüm ortağı olarak faaliyet göstermektedir. Tüm cerrahi branşlara yönelik enstrümanlar üreten İdol, klinik gereksinimleri doğru analiz ederek kullanıcı odaklı ve etkin çözümler sunar.

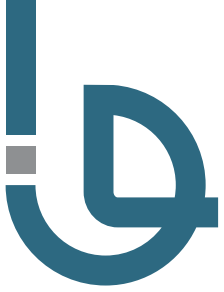
Faaliyetlerini EN ISO 13485 kalite yönetim sistemi doğrultusunda ve Avrupa Tıbbi Cihaz Regülasyonu 2017/745 (MDR) gerekliliklerine uygun olarak sürdüren İdol, 2023 yılında MDR uyumlu CE sertifikasını almaya hak kazanmıştır. Titiz kalite anlayışını teknik uzmanlıkla birleştiren İdol, cerrahi uygulamalarda güven veren, yüksek standartlara sahip ürünler geliştirmeye kararlılıkla devam etmektedir.

## ABOUT US

Since its establishment in 2005, İdol has closely followed the evolving needs of the healthcare sector and has operated as a reliable solution partner in the field of surgical instruments. Producing instruments for all surgical branches, İdol accurately analyzes clinical requirements and offers user-focused and effective solutions.

Carrying out its activities in line with the EN ISO 13485 quality management system and in compliance with the requirements of the European Medical Device Regulation 2017/745 (MDR), İdol obtained its MDR-compliant CE certification in 2023. Combining meticulous quality principles with technical expertise, İdol continues to develop high-standard products that inspire confidence in surgical practice.





# Catalog Explanations



refers to products that can be used integrated



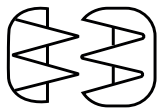
defines that the jaws of instruments such as forceps and clamps have 1x2 DeBakey features

## delicate

identifies delicate and slim structured instruments



defines that the jaws of instruments such as forceps and clamps have 2x3 DeBakey features



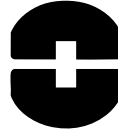
indicates the number of teeth on the end of instruments such as forceps and clamps



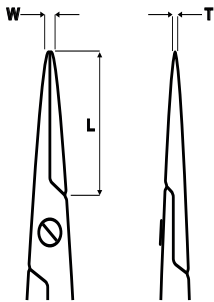
defines that the jaws of instruments such as forceps and clamps have "V" shaped Baby DeBakey features

## Atraumatic

defines that the jaw/tip structure of the instruments is trauma-free



defines that the jaws of instruments such as forceps and clamps have Cooley type features



The dimensions of the micro needle holders are indicated as follows:

$$\text{Length} \times \text{Thickness} \times \text{Width} = L \times T \times W$$



Indicates the size of the cutting edge of the scissors with the number written near



indicates what size of suture material the needle holder is recommended for



defines that the working ends/ jaws of the instrument is tungsten carbide particle sprayed



Smooth insert (recommended for suture material 12-0 and smaller)



defines that the working ends/ jaws of the instrument is tungsten carbide insert



0,3 mm pitch of serration insert (recommended for suture material 9-0 and smaller)



defines that the ends of the scissors is serrated edge/ knife edge



0,4 mm pitch of serration insert (recommended for suture material 6-0 and smaller)



defines that the ends of the scissors is tungsten carbide and serrated edge/knife edge



0,5 mm pitch of serration insert (recommended for suture material 4-0 and smaller)



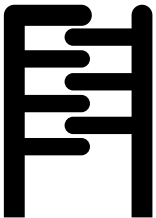
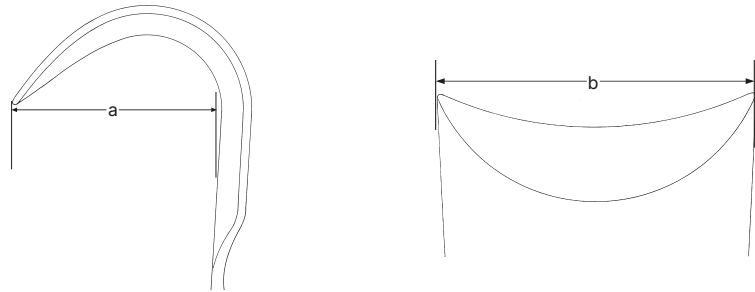
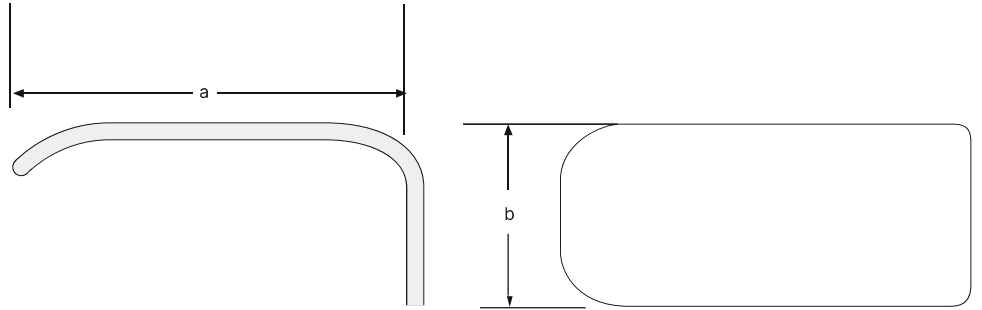
defines that the ends of the scissors is tungsten carbide and serrated edge/knife edge, black coated

The blade dimensions of the retractors are specified as follows:

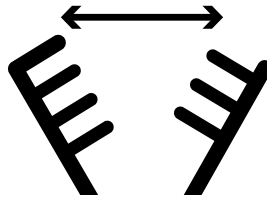
a X b : depth X width

Depth is written as the first number and width as the second number

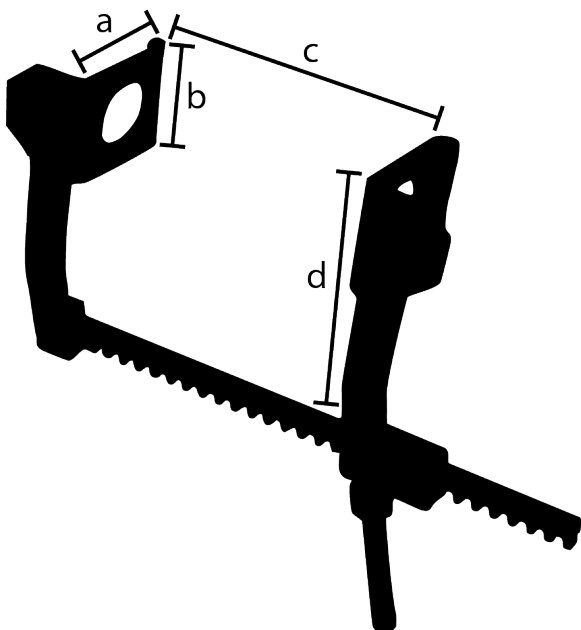
Example: 14 X 25 mm



Specifies the number of prongs on the blades of spreaders



Indicates the opening width between the spreader blades



The dimensions of the retractors are specified as follows:

- a = Blade depth
- b = Blade width
- c = Spreading width
- d = Arm length



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# VATS/MIS Instruments

Sliding Shaft Instruments

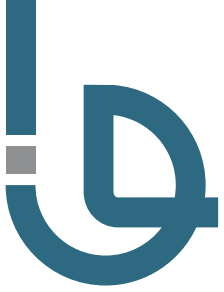
Spring Handle Instruments

Hooks

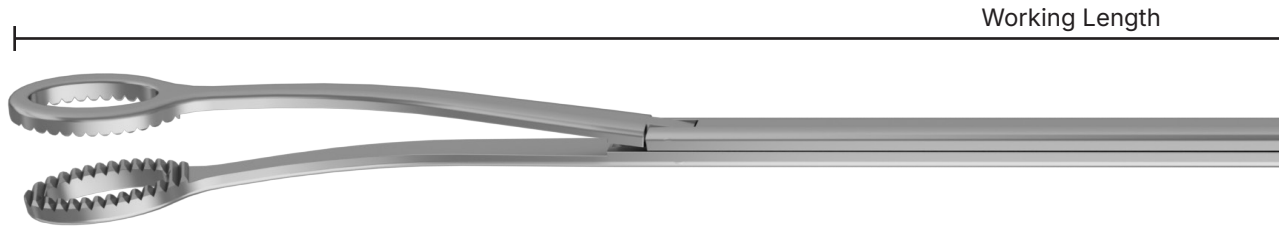
Suture Instruments and Scalpel Handle

Retractor Blades and Holders





**VATS/MIS Instruments**  
Sliding Shaft Grasping Clamps



Duval  
**VT 100-01**  
curved left,  
triangular jaw,  
25 mm  
Working Length: 24 cm



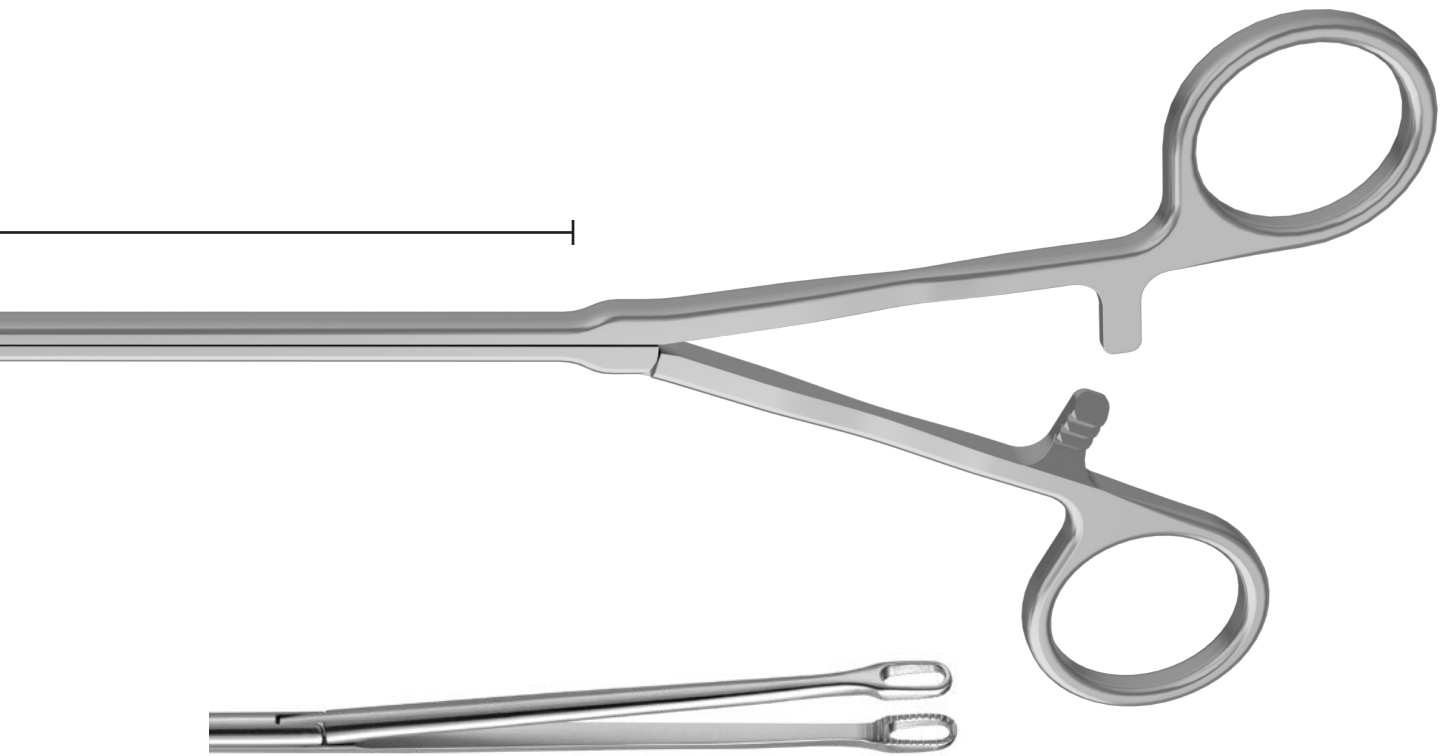
Duval  
**VT 101-03**  
curved left,  
triangular jaw,  
15 mm  
Working Length: 24 cm



**Foerster**

**VT 101-01**  
curved left,  
oval ring jaw,  
12 mm  
Working Length: 24 cm

**VT 101-02**  
curved left,  
oval ring jaw,  
20 mm



**VT 100-02**

straight,  
oblong ring jaw,  
11 mm  
Working Length: 24 cm



**VT 101-04**

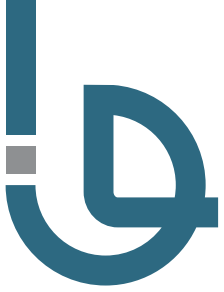
curved left,  
oblong ring jaw,  
11 mm  
Working Length: 24 cm



**Allis**

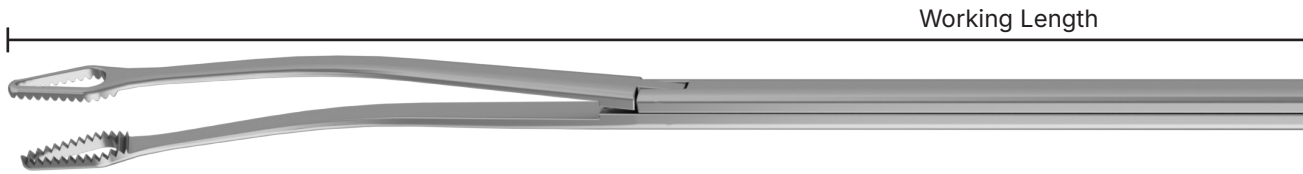
**VT 101-08**

curved left,  
5×6 toothed jaw,  
6 mm  
Working Length: 24 cm



## VATS/MIS Instruments

Sliding Shaft Dissecting Clamps



Viper

**VT 100-09**

curved left,  
tapered jaw

Working Length: 27 cm



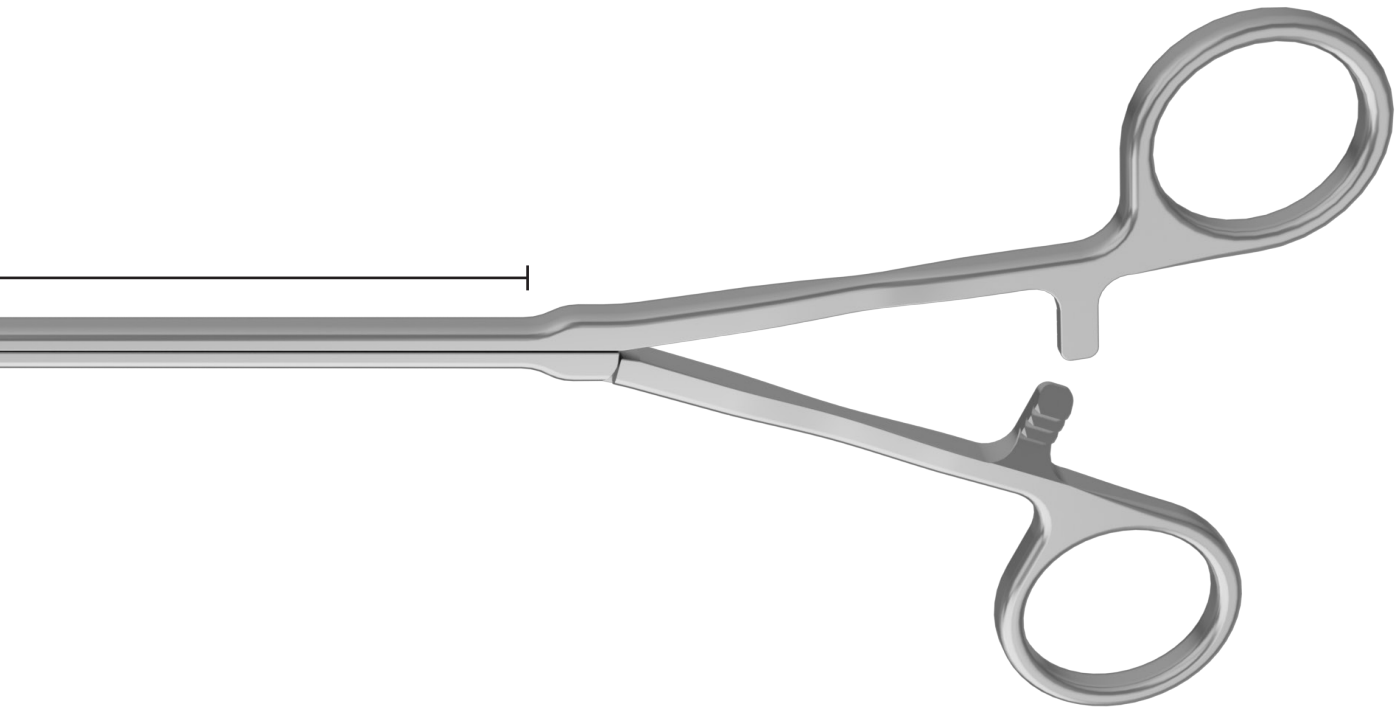
Mixer

**VT 100-10**

curved,  
DeBakey jaw



Working Length: 24 cm



**VT 101-07**  
curved left,  
DeBakey/Cooley jaw  
Working Length: 24 cm



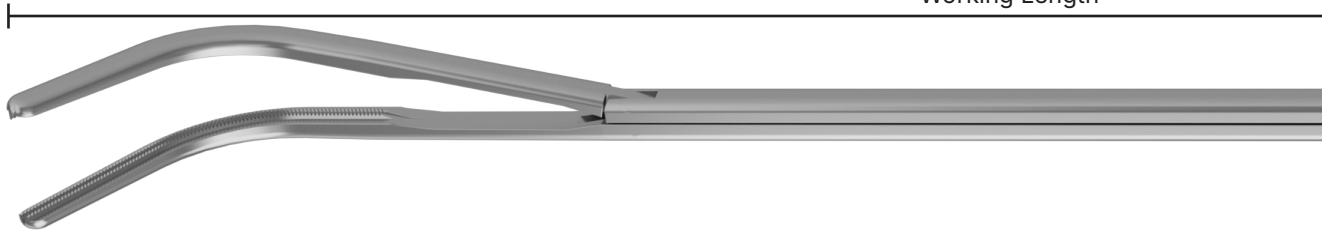
Dennis  
**VT 101-05**  
curved left  
Working Length: 26 cm



## VATS/MIS Instruments


Sliding Shaft Atraumatic Grasping Clamps

Working Length



### DeBakey


#### VT 100-03

curved left,  
1×2 DeBakey jaw, 

50 mm

Working Length: 21 cm


#### VT 100-04

curved left,  
1×2 DeBakey jaw, 

75 mm

Working Length: 23,5 cm


#### VT 100-05

straight,  
1×2 DeBakey jaw, 

100 mm

Working Length: 27 cm

#### VT 101-06

curved left,  
2×3 DeBakey jaw, 


100 mm

Working Length: 26 cm



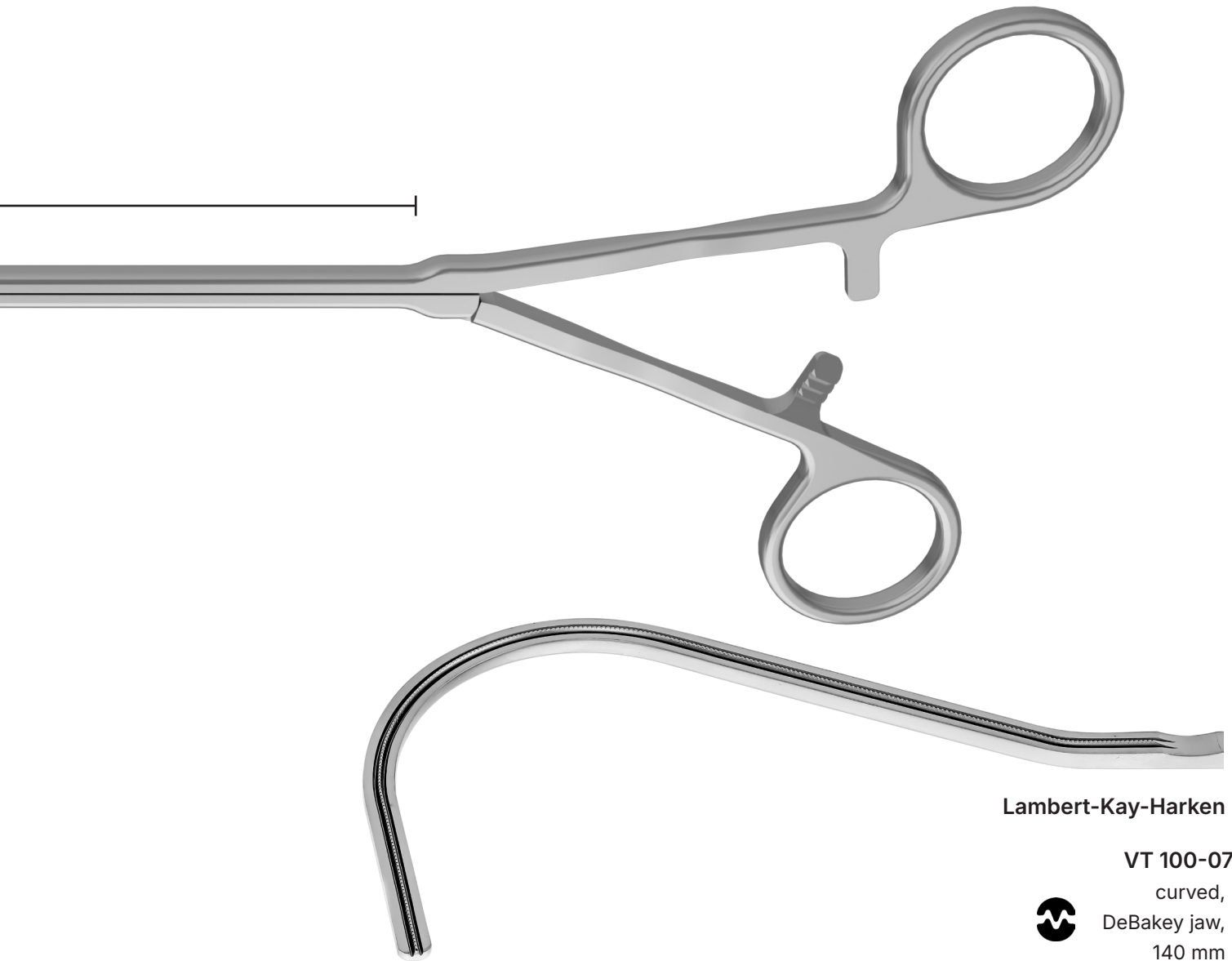
### Harken

#### VT 100-06

curved,  
DeBakey jaw, 

95 mm

Working Length: 24 cm



**Lambert-Kay-Harken**

**VT 100-07**

curved,  
DeBakey jaw,  
140 mm



Working Length: 27 cm



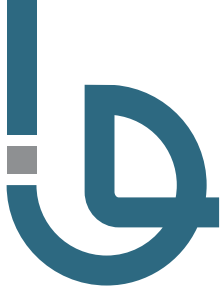
**Lambert-Kay**

**VT 100-08**

curved,  
DeBakey jaw,  
angled shank



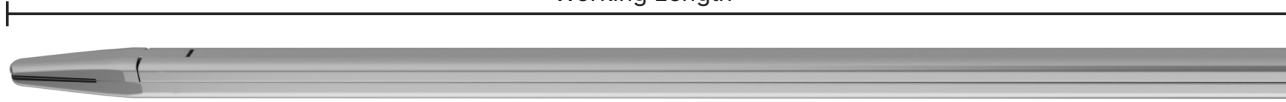
Working Length: 21 cm



## VATS/MIS Instruments

Sliding Shaft Needle Holders, Biopsy Forceps

Working Length



**VT 103-01**

Working Length: 21,5 cm



**VT 103-02**

Working Length: 21,5 cm



**VT 101-09**

curved,  
oval ring jaw,  
6 mm

Working Length: 28 cm



**VT 101-10**

curved,  
oval cupped jaw,  
7 mm

Working Length: 28 cm

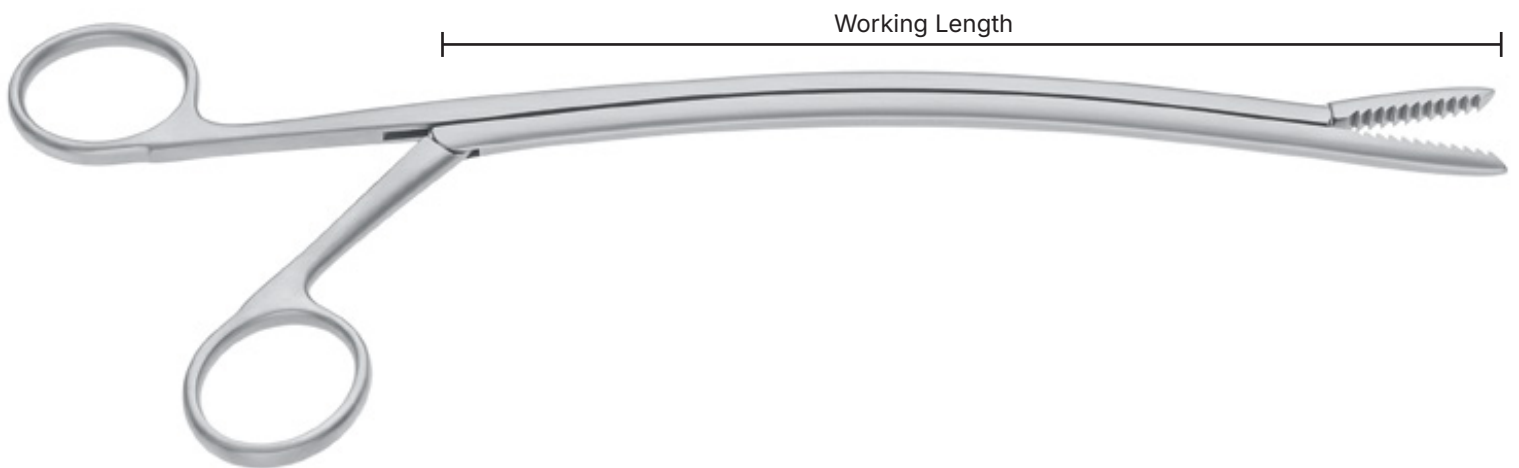


**Metzenbaum**

**VT 102-01**

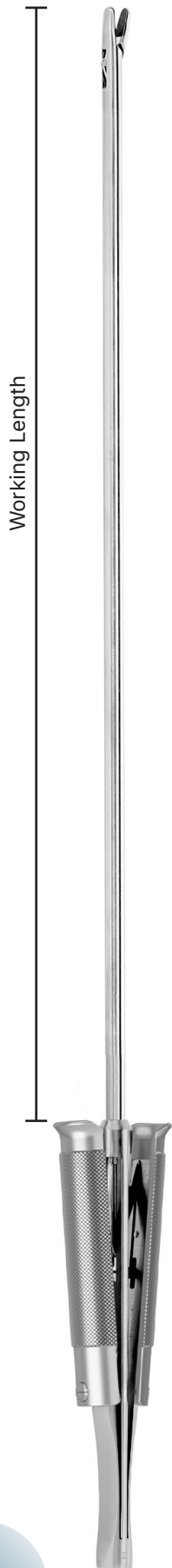
curved,  
blunt jaw

Working Length: 19,5 cm



**VT 104-01**

Working Length: 27 cm



**MI 100-01**  
curved  
Working Length: 17 cm

**MI 100-03**  
Working Length: 25 cm



**MI 100-02**  
straight  
Working Length: 17 cm

**MI 100-04**  
Working Length: 25 cm



Ryder  
**MI 100-05**  
Working Length: 17 cm

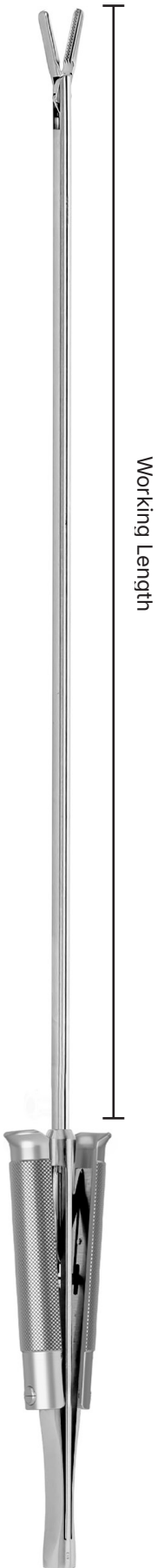
**MI 100-06**  
Working Length: 25 cm



**MI 100-07**  
curved  
Working Length: 17 cm  
mini



**MI 100-08**  
straight  
Working Length: 17 cm  
mini



Working Length



**MI 101-01**

DeBakey jaw, 1.5 mm  
Working Length: 17 cm

**MI 101-04**

Working Length: 25 cm



**MI 101-02**

DeBakey jaw, 2.8 mm  
Working Length: 17 cm

**MI 101-05**

Working Length: 25 cm



**MI 101-03**

Resano jaw, 3 mm  
Working Length: 17 cm

**MI 101-06**

Working Length: 25 cm



45°

**MI 101-07**

DeBakey jaw, 2 mm  
Working Length: 25 cm



**MI 101-08**

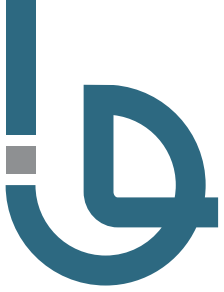
1.2 mm  
Working Length: 17 cm  
mini



45°

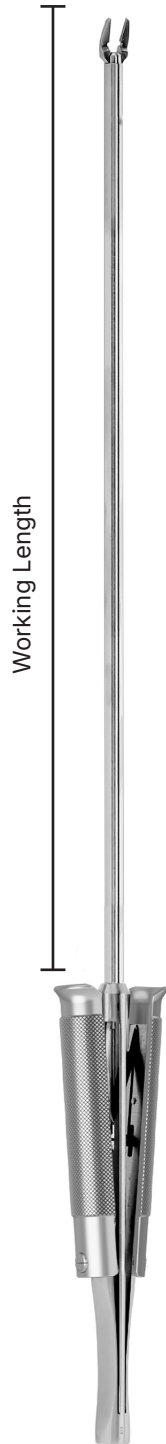
**MI 101-09**

1.2 mm  
Working Length: 17 cm  
mini



## VATS/MIS Instruments

Spring Handle Applying Forceps, Spring Handle Knot Pusher



### MI 101-10

Working Length: 25 cm

small

### MI 101-11

Working Length: 25 cm

medium

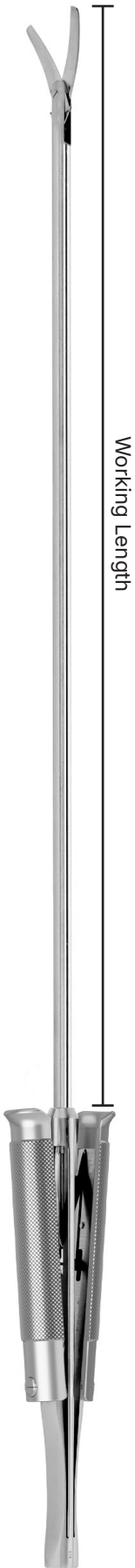


### MI 101-12

Working Length: 17 cm

### MI 101-13

Working Length: 25 cm



straight  
**MI 102-01**

Working Length: 17 cm

**MI 102-03**

Working Length: 25 cm



curved  
**MI 102-02**

Working Length: 17 cm

**MI 102-04**

Working Length: 25 cm



15°

**MI 102-05**

Working Length: 17 cm

**MI 102-08**

Working Length: 25 cm



30°

**MI 102-06**

Working Length: 17 cm

**MI 102-09**

Working Length: 25 cm



70°

**MI 102-07**

Working Length: 17 cm

**MI 102-10**

Working Length: 25 cm



45°

**MI 102-11**

Working Length: 17 cm

**MI 102-14**

Working Length: 25 cm



90°

**MI 102-12**

Working Length: 17 cm

**MI 102-15**

Working Length: 25 cm



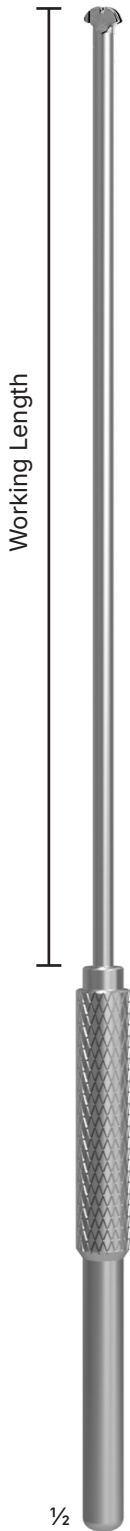
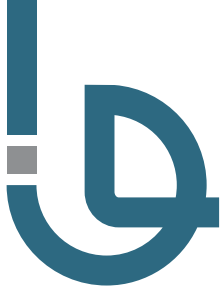
125°

**MI 102-13**

Working Length: 17 cm

**MI 102-16**

Working Length: 25 cm



Working Length

1/2

Working Length: 25 cm



90°

**MI 103-09**

Ø2 mm,  
ball tipped



**MI 103-10**

Ø1 mm



**MI 103-11**

Ø2 mm



**MI 103-12**

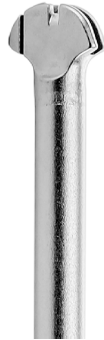
Ø2 mm



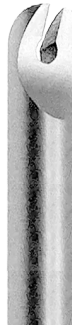
**MI 103-13**

Ø2 mm,  
pig tail

Knot Pushers



MI 103-01



MI 103-02



MI 103-03

Scalpel Handle



MI 103-05

No.3



MI 103-06

for micro blades



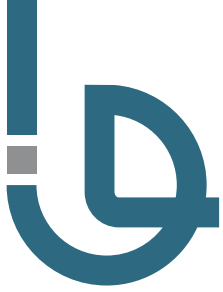
MI 103-07

Needle retriever



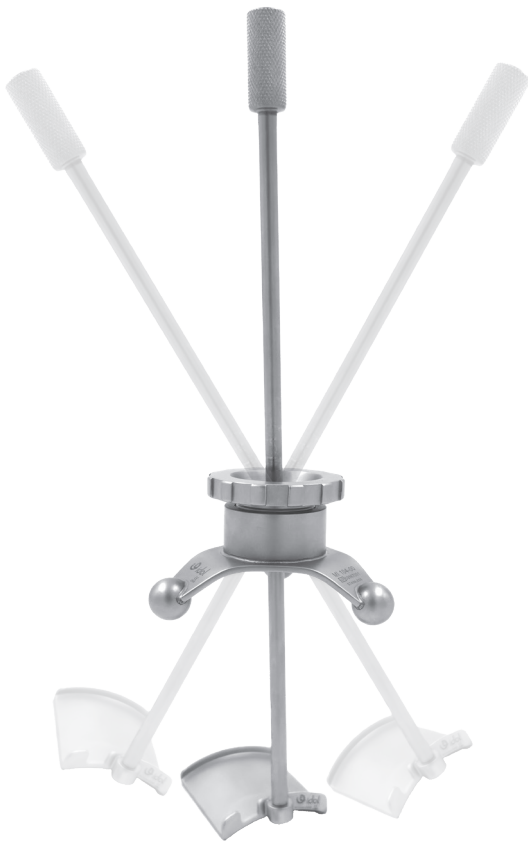
MI 103-08

Ø1.5 mm  
Suture Catcher



## VATS/MIS Instruments

Retractor Blades and Holders



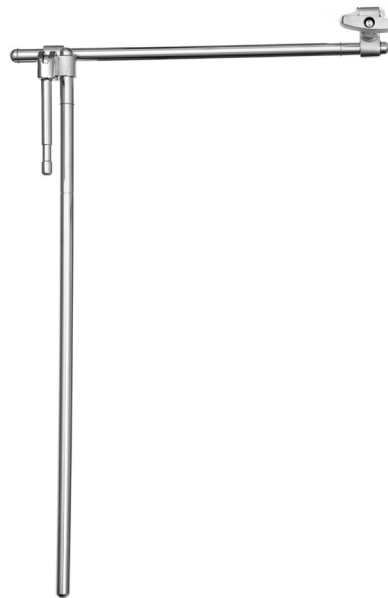
**MI 104-00**

Guide Rod Holder



**UE 100-04**

Articulated Instrument Holding Arm



**UE 100-03**

Rigid Instrument Holding Arm



**UE 100-00**

Rail Clamp



**MI 104-01**

23 cm

Mitral



**MI 104-09**

70X45 mm



**MI 104-08**

60X45 mm



**MI 104-07**

50X45 mm



**MI 104-06**

50X35 mm



**MI 104-05**

40X35 mm



30X35 mm

Tricuspid



**MI 104-15**

50X25 mm



**MI 104-14**

40X35 mm



**MI 104-13**

25X50 mm



**MI 104-12**

25X40 mm



**MI 104-11**

25X25 mm



**MI 104-10**

25X20 mm

Adjustable

**MI 104-16**

45X30 mm

**MI 104-17**

60X30 mm

**MI 104-18**

45X45 mm

**MI 104-19**

60X45 mm

**MI 104-20**

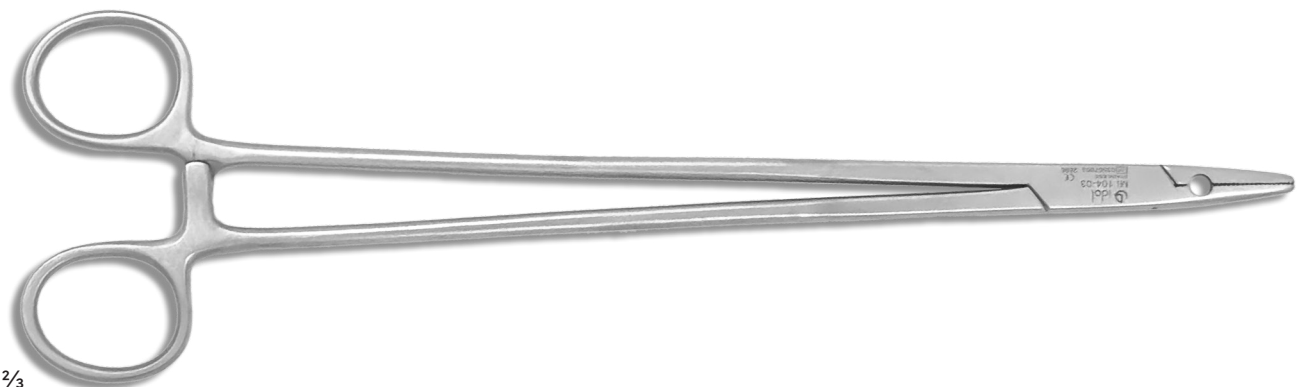
20X35 mm

**MI 104-21**

30X30 mm

**MI 104-22**

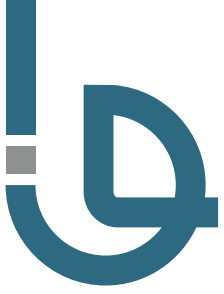
30X45 mm



$\frac{2}{3}$

**MI 104-03**

26 cm



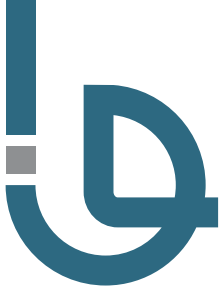
# Scalpel Handles

Scalpel Handles for Blades Fig.10-17

Scalpel Handles for Blades Fig.18-36

Scalpel Handles for Micro Scalpel Blades





## Scalpel Handles

Scalpel Handles for Blades Fig.10-17 and Fig.18-36





Fig. 10-17

$\frac{1}{4}$  No.7  
**BS 210-07**  
16 cm / 6  $\frac{3}{8}$ "



Fig. 10-17

$\frac{1}{4}$  No.7K  
**BS 211-07**  
12,5 cm / 4  $\frac{9}{8}$ "



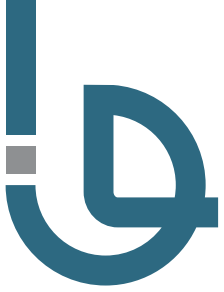
Fig. 10-17

$\frac{1}{4}$  No.3  
**BS 212-16**  
14 cm / 5  $\frac{4}{8}$ "



Fig. 10-17

$\frac{1}{4}$  No.3  
**BS 213-16**  
14 cm / 5  $\frac{4}{8}$ "



## Scalpel Handles

Scalpel Handles for Micro Scalpel Blades



**BS 242-01**  
13,5 cm / 5 3/8"



**BS 242-02**  
15,5 cm / 6"



**BS 242-03**  
18 cm / 7"



**BS 242-04**  
20 cm / 8"



$\frac{1}{2}$   
**BS 243-21**  
21 cm / 8 3/8"



$\frac{1}{2}$   
**BS 244-25**  
25 cm / 10"

# Scissors

Micro Scissors  
Angled Scissors  
Dissecting Scissors  
Delicate Dissecting Scissors  
Iris Scissors  
Operating Scissors  
Uterine Scissors  
Bandage Scissors





# Scissors

## Micro Scissors



1/2



11 mm

12 cm / 4 5/8"

sharp/sharp



1/4

MA 900-12

sharp/sharp



1/4

MA 901-12

blunt/blunt



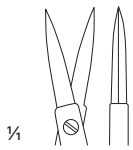
1/4

MA 902-12



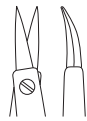
1/2

Vannas  
12 cm / 4 5/8"

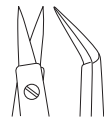


1/4

MA 971-01



MA 972-01



MA 973-01  
angled down



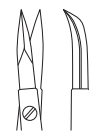
1/2

Vannas  
16 cm / 6 1/8"

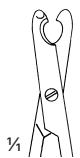


1/4

MA 971-02



MA 972-02



1/4



1/2

Biemer  
MA 974-01  
13 cm / 5 1/8"  
Micro scissors for veins



	blunt/blunt	sharp/sharp one serrated
 10 mm		
1/4		
15 cm / 5 7/8"	<b>MA 986-15</b>	<b>MA 987-15</b>
18 cm / 7 1/8"	<b>MA 986-18</b>	<b>MA 987-18</b>
21 cm / 8"	<b>MA 986-21</b>	<b>MA 987-21</b>
23 cm / 9 1/8"	<b>MA 986-23</b>	<b>MA 987-23</b>









	sharp/sharp	sharp/sharp	blunt/blunt	sharp/sharp one serrated	sharp/sharp one serrated
 9 mm					
1/4					
12 cm / 4 9/8"	<b>MA 903-12</b>	<b>MA 904-12</b>	<b>MA 906-12</b>		
15 cm / 5 7/8"	<b>MA 984-15</b>	<b>MA 985-15</b>	<b>MA 947-07</b>	<b>MA 947-01</b>	<b>MA 947-04</b>
18 cm / 7 1/8"	<b>MA 984-18</b>	<b>MA 985-18</b>	<b>MA 947-08</b>	<b>MA 947-02</b>	<b>MA 947-05</b>
21 cm / 8"	<b>MA 984-21</b>	<b>MA 985-21</b>			









# Scissors







## Micro Scissors









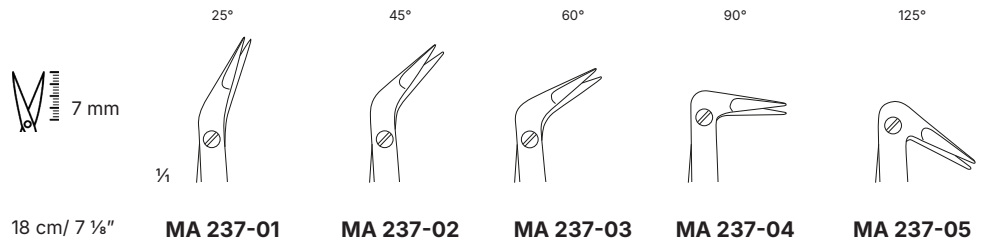
 11 mm	25°	45°	60°	90°	125°
18 cm / 7 1/8"	 MA 975-01	 MA 975-02	 MA 975-03	 MA 975-04	 MA 975-05

 11 mm	25°	45°	60°	90°	125°
18 cm / 7 1/8"	 MA 976-01	 MA 976-02	 MA 976-03	 MA 976-04	 MA 976-05

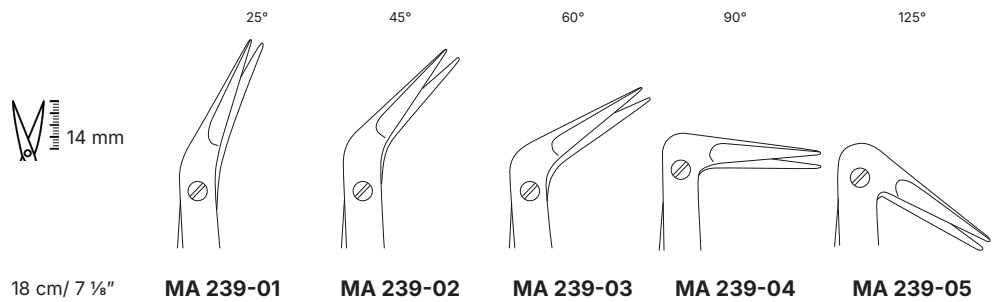
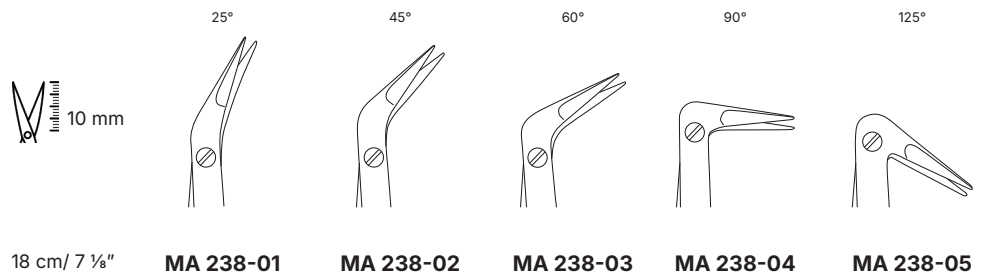


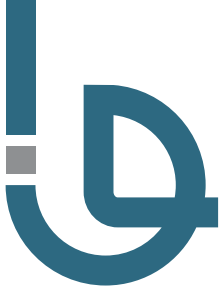
 11 mm	25°	45°	60°	90°	125°
18 cm / 7 1/8"	 MA 977-01	 MA 977-02	 MA 977-03	 MA 977-04	 MA 977-05

 11 mm	25°	45°	60°	90°	125°
18 cm / 7 1/8"	 MA 978-01	 MA 978-02	 MA 978-03	 MA 978-04	 MA 978-05



1/2 Potts-Smith





## Scissors

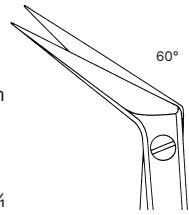
### Angled Scissors



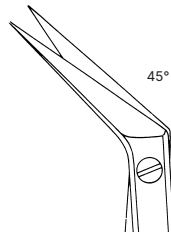
1/2  
Potts-Smith



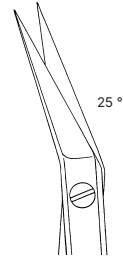
1/4



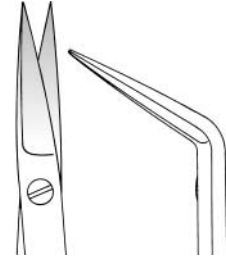
**MA 234-60**  
18 cm / 7 1/8"



**MA 234-45**  
18,5 cm / 7 3/8"



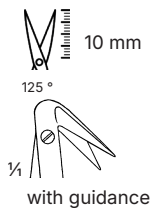
**MA 234-25**  
19 cm / 7 4/8"



**MA 241-19**  
19,5 cm / 7 5/8"



1/2  
**Diethrich**  
**MA 240-19**  
17,5 cm / 6 7/8"



125°

1/4

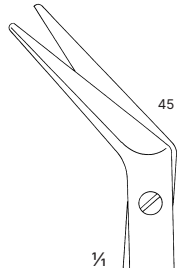
with guidance



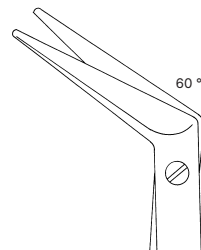
1/2  
**De Bakey**  
16 cm / 6 3/8"



1/4



**MA 235-16**

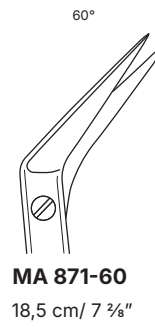
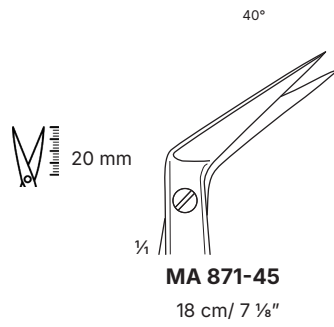


**MA 236-16**

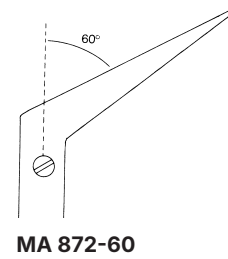
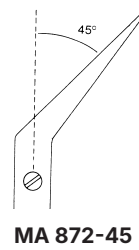
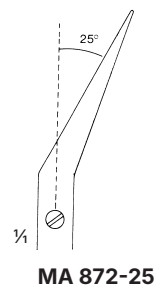
 TC

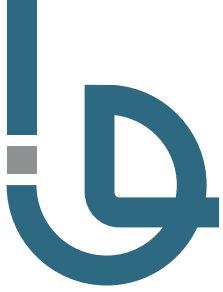


Potts-Smith



De Bakey  
18,5 cm / 7 3/8"



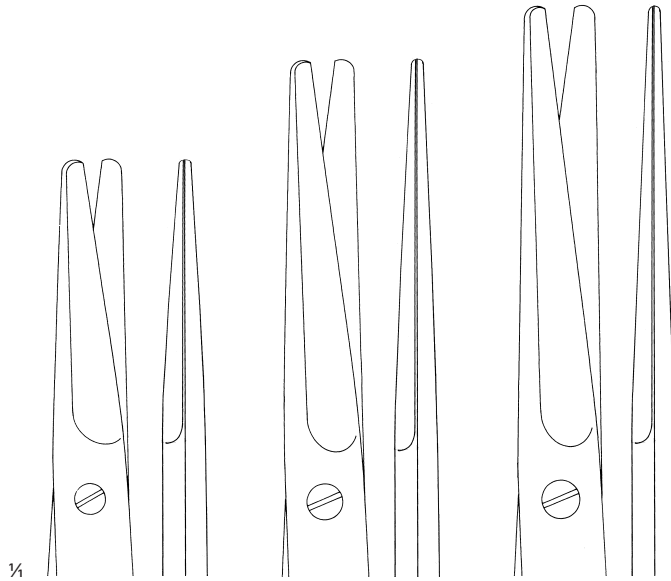


## Scissors

### Operating Scissors



Mayo



**Regular**

14,5 cm/ 5 7/8"

**MA 125-14**

**TC**

**MA 856-14**

17 cm/ 6 7/8"

**MA 125-17**

**MA 856-17**

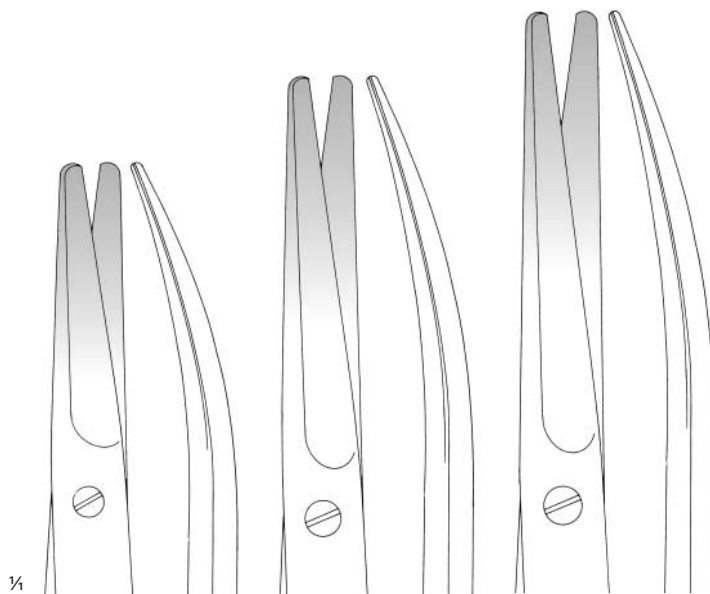
23 cm/ 9"

**MA 125-23**

**MA 856-23**



Mayo



**Regular**

14,5 cm/ 5 7/8"

**MA 126-14**

**TC**

**MA 857-14**

17 cm/ 6 7/8"

**MA 126-17**

**MA 857-17**

23 cm/ 9"

**MA 126-23**

**MA 857-23**



Mayo-Stille

Regular

TC



15 cm / 5 7/8"

MA 127-15

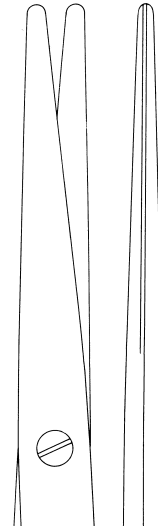
MA 859-15



17 cm / 6 5/8"

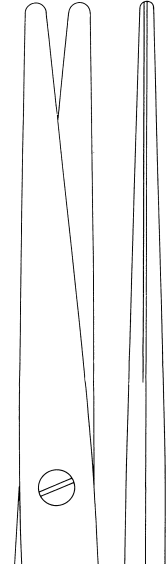
MA 127-17

MA 859-17



19,5 cm / 7 5/8"

MA 127-19



21 cm / 8 3/8"

MA 127-21



Mayo-Stille

Regular

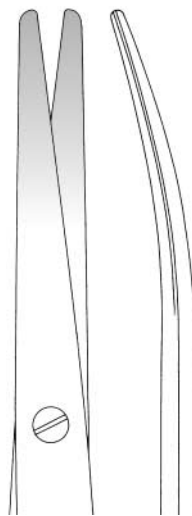
TC



15 cm / 5 7/8"

MA 128-15

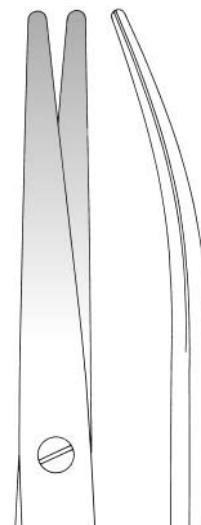
MA 860-15



17 cm / 6 5/8"

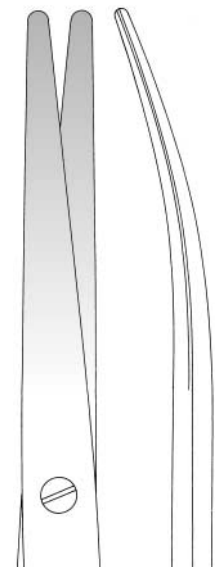
MA 128-17

MA 860-17



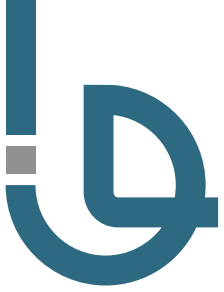
19,5 cm / 7 5/8"

MA 128-19



21,5 cm / 8 3/8"

MA 128-21

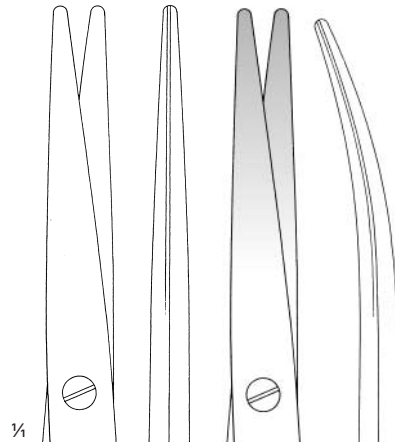


# Scissors

## Dissecting Scissors



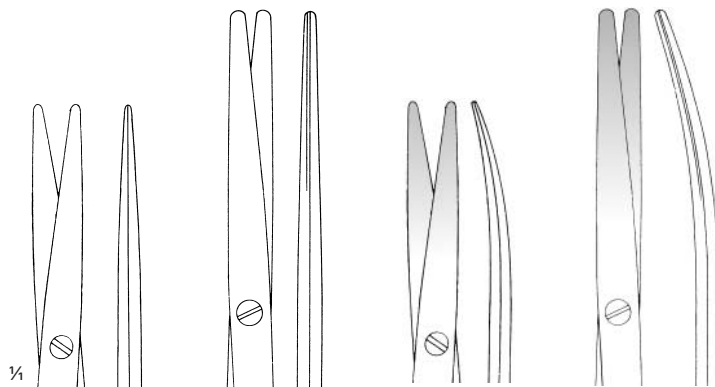
1/2  
Lexer  
16 cm / 6 2/8"



Regular	MA 220-16	MA 221-16
TC	MA 873-16	MA 874-16



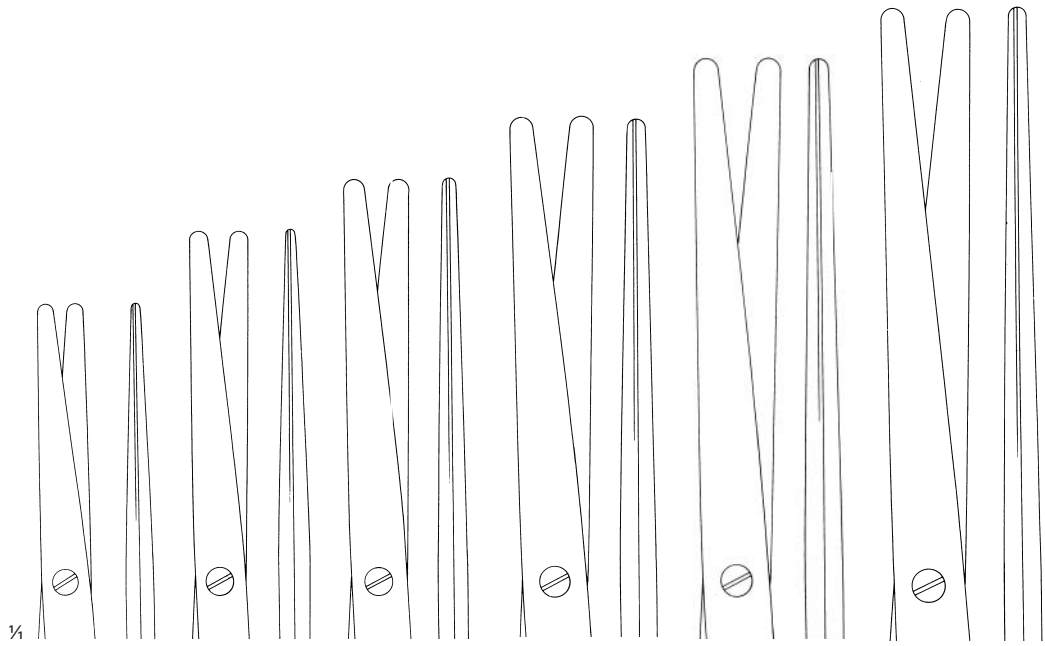
1/2  
Metzenbaum



Regular	MA 155-11	MA 149-14	MA 156-11	MA 150-14
TC	MA 865-11	MA 867-14	MA 866-11	MA 868-14
SC	MA 891-11	MA 891-14	MA 892-11	MA 892-14
TC/SC			MA 896-11	MA 896-14



1/2 Metzenbaum

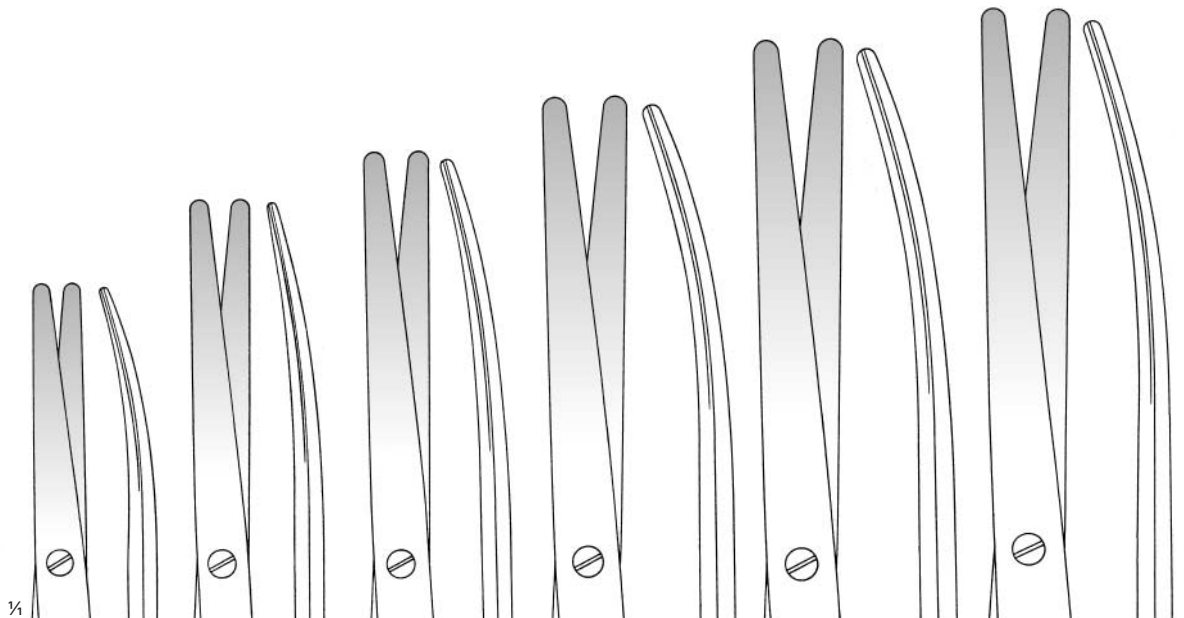


1/4 18 cm / 7 1/8" 20,5 cm / 8 1/8" 23 cm / 9" 26 cm / 10 3/8" 28,5 cm / 11 3/8" 31 cm / 12 3/8"

<b>Regular</b>	<b>MA 200-18</b>	<b>MA 200-20</b>	<b>MA 200-23</b>	<b>MA 200-25</b>	<b>MA 200-28</b>	<b>MA 200-30</b>
<b>TC</b>	<b>MA 869-18</b>	<b>MA 869-20</b>	<b>MA 869-23</b>	<b>MA 869-25</b>	<b>MA 869-28</b>	<b>MA 869-30</b>
<b>SC</b>	<b>MA 891-18</b>	<b>MA 891-20</b>	<b>MA 891-23</b>	<b>MA 891-25</b>	<b>MA 891-28</b>	
<b>TC/SC</b>	<b>MA 893-18</b>	<b>MA 893-20</b>	<b>MA 893-23</b>			



1/2



1/4 18 cm / 7 1/8" 20,5 cm / 8 1/8" 23 cm / 9" 26 cm / 10 3/8" 28,5 cm / 11 3/8" 31 cm / 12 3/8"

<b>Regular</b>	<b>MA 201-18</b>	<b>MA 201-20</b>	<b>MA 201-23</b>	<b>MA 201-25</b>	<b>MA 201-28</b>	<b>MA 201-30</b>
<b>TC</b>	<b>MA 870-18</b>	<b>MA 870-20</b>	<b>MA 870-23</b>	<b>MA 870-25</b>	<b>MA 870-28</b>	<b>MA 870-30</b>
<b>SC</b>	<b>MA 892-18</b>	<b>MA 892-20</b>	<b>MA 892-23</b>	<b>MA 892-25</b>	<b>MA 892-28</b>	
<b>TC/SC</b>	<b>MA 894-18</b>	<b>MA 894-20</b>	<b>MA 894-23</b>	<b>MA 894-25</b>		
<b>BlackLine</b>	<b>MA 896-18</b>	<b>MA 896-20</b>	<b>MA 896-23</b>	<b>MA 896-25</b>		

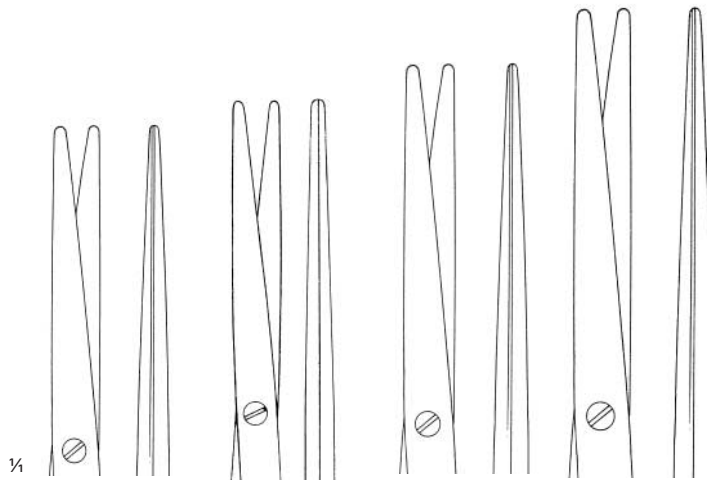


## Scissors

Delicate Dissecting Scissors



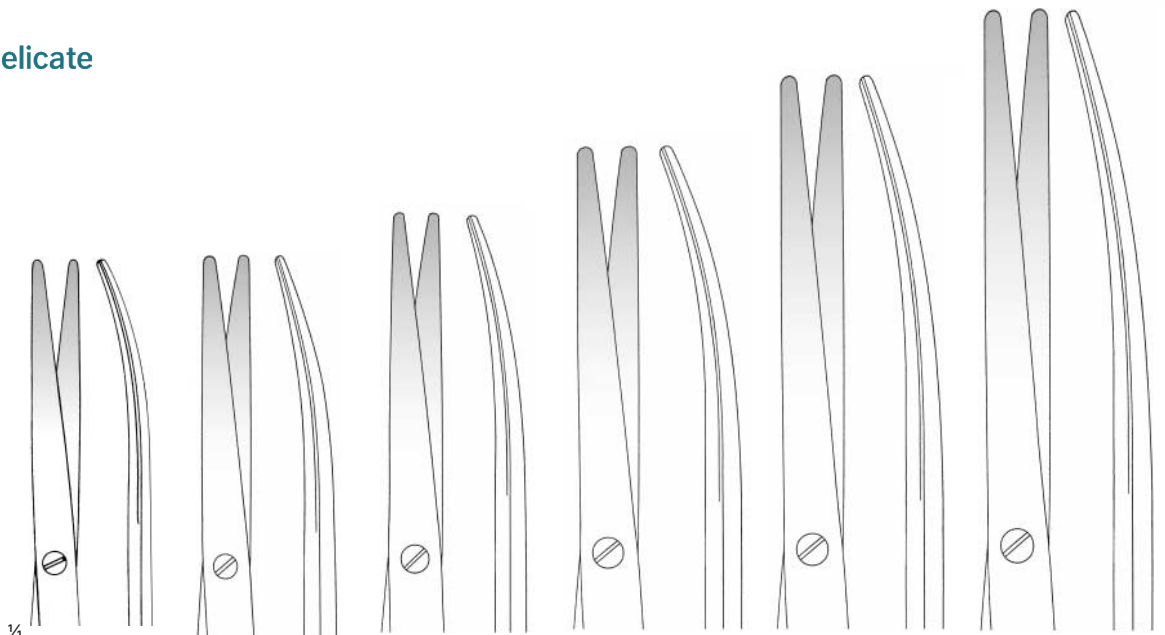
delicate



1/4	14,5 cm / 5 9/16"	18 cm / 7 1/8"	20,5 cm / 8 1/8"	23 cm / 9"
<b>Regular</b>	<b>MA 210-14</b>	<b>MA 214-18</b>	<b>MA 214-20</b>	<b>MA 214-23</b>
<b>TC</b>	<b>MA 875-14</b>	<b>MA 879-18</b>		



delicate



1/4	14,5 cm / 5 9/16"	18 cm / 7 1/8"	20,5 cm / 8 1/8"	23 cm / 9"	26 cm / 10 3/8"	28,5 cm / 11 3/8"
<b>Regular</b>	<b>MA 211-14</b>	<b>MA 215-18</b>	<b>MA 215-20</b>	<b>MA 215-23</b>		
<b>TC</b>	<b>MA 876-14</b>	<b>MA 880-18</b>	<b>MA 880-20</b>	<b>MA 880-23</b>	<b>MA 880-25</b>	<b>MA 880-28</b>

delicate



17,5 cm / 6 7/8"

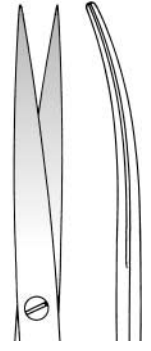
Regular MA 255-17  
TC MA 883-17

delicate



14,5 cm / 5 5/8"

Regular MA 212-14  
TC MA 877-14



18 cm / 7 1/8"

MA 213-14  
MA 878-14

delicate



14 cm / 5 1/2"  
MA 232-15



18 cm / 7 1/8"  
MA 232-18



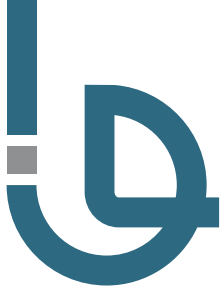
14 cm / 5 1/2"  
MA 233-15



18 cm / 7 1/8"  
MA 233-18

delicate





## Scissors

Iris Scissors, Operating Scissors



1/2

1/4	1/4	1/4	1/4	1/4	1/4	1/4
9 cm / 3 1/2"	10,5 cm / 4 1/8"	11,5 cm / 4 5/8"	9 cm / 3 1/2"	10,5 cm / 4 1/8"	11,5 cm / 4 5/8"	11,5 cm / 4 5/8"
<b>Regular</b>	<b>MA 561-09</b>	<b>MA 561-10</b>	<b>MA 561-11</b>	<b>MA 562-09</b>	<b>MA 562-10</b>	<b>MA 562-11</b>
			<b>MA 886-11</b>			<b>MA 887-11</b>
<b>SC</b>			<b>MA 893-11</b>			<b>MA 894-11</b>
			<b>MA 897-11</b>			<b>MA 898-11</b>



1/2

**Kelly**  
16 cm / 6 3/8"

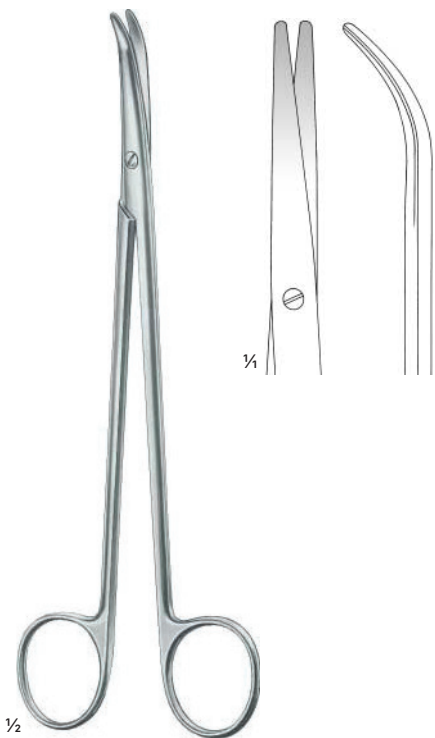
1/4	1/4
<b>MA 134-16</b>	<b>MA 135-16</b>



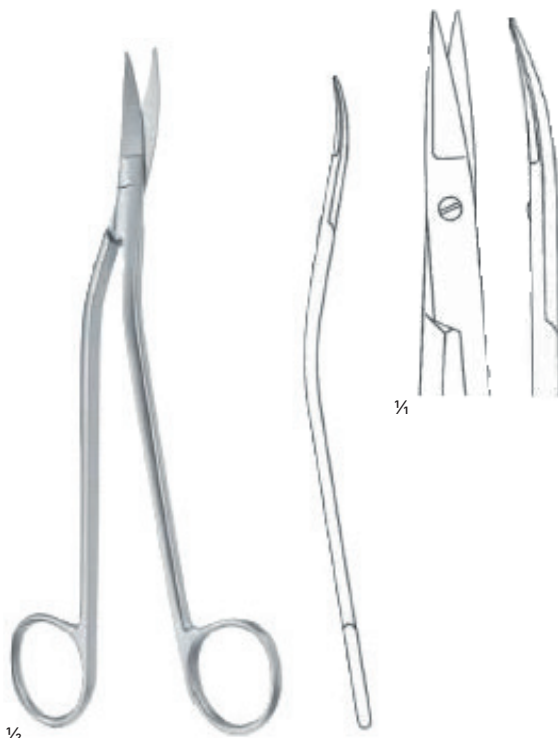
1/2

**Joseph**  
14,5 cm / 5 3/8"

1/4	1/4	1/4
<b>Regular</b>	<b>MA 228-14</b>	<b>MA 229-14</b>
	<b>MA 886-14</b>	<b>MA 887-14</b>

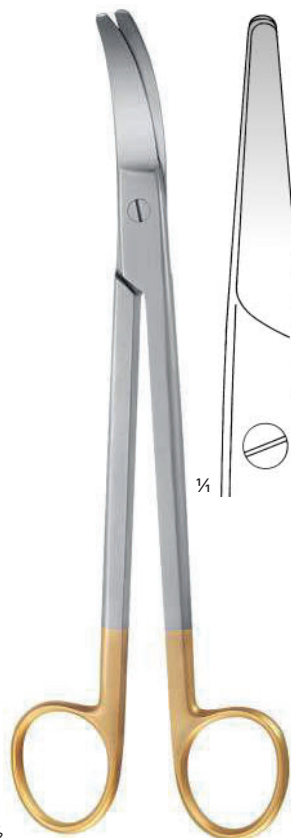


Thorek  
MA 223-19  
18,5 cm / 7 3/8"

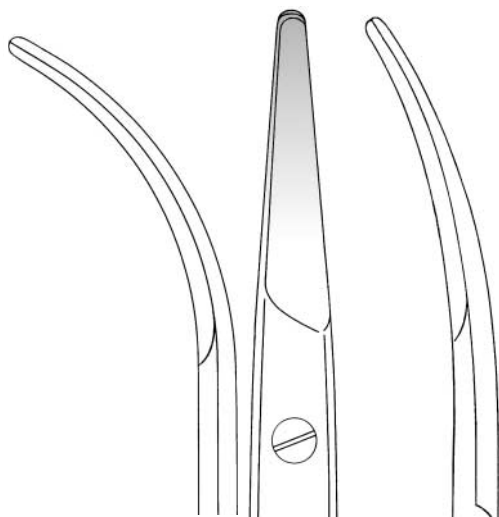


Dandy  
MA 247-17  
17 cm / 6 7/8"

TC



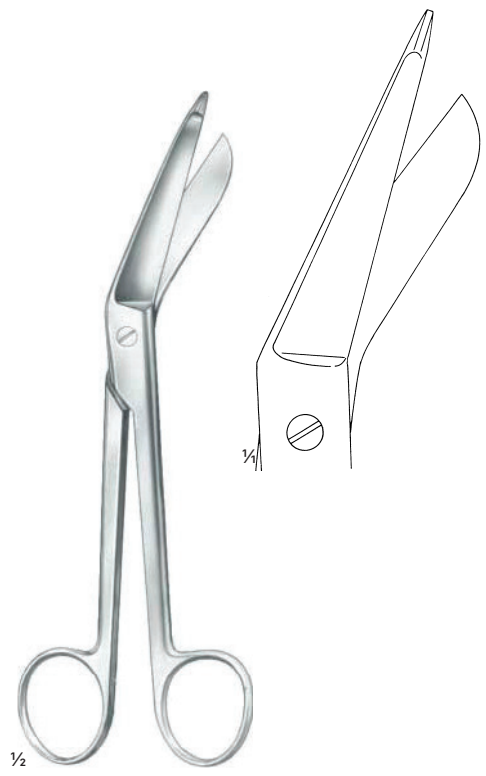
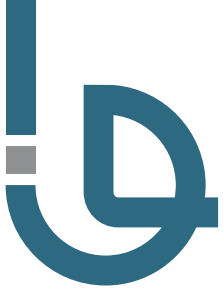
22 cm / 8 5/8"  
MA 858-01



23 cm / 9"  
MA 858-02



Sims-Siebold  
MA 148-24  
24,5 cm / 9 3/4"

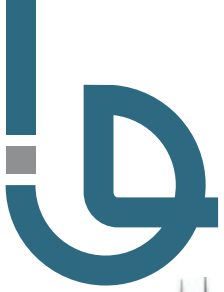


Lister  
**MA 636-14** 14,5 cm/ 5 <sup>9</sup>/<sub>8</sub>"  
**MA 636-18** 18,5 cm/ 7 <sup>3</sup>/<sub>8</sub>"  
**MA 636-20** 20 cm/ 7 <sup>7</sup>/<sub>8</sub>"

# Forceps

Micro Forceps  
Atraumatic Forceps  
Dissecting Forceps  
Tissue Forceps





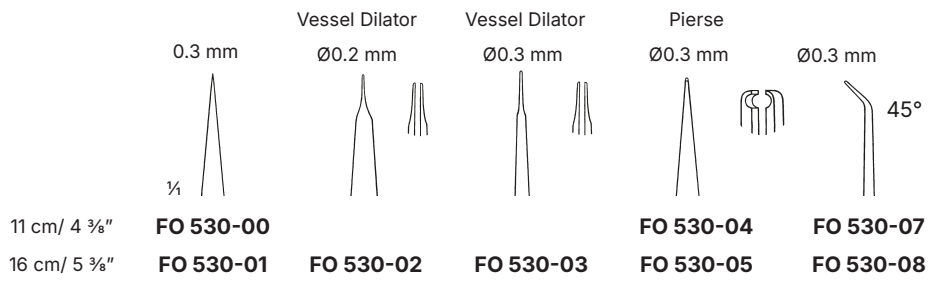
## Forceps

Micro Forceps, Delicate Dissecting Forceps



¼

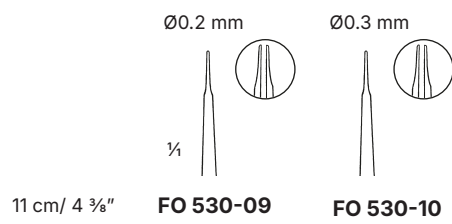
Jeweler Type



10°

½

Jeweler Type





Atraumatic <sup>1x2</sup>



1.2 mm

Ø1.0 x 0.5 mm

Ø2.0 x 0.8 mm



15 cm/ 5 7/8" **FO 990-15**  
18 cm/ 7 1/8" **FO 990-18**  
21 cm/ 8 2/8" **FO 990-21**

**FO 991-15**  
**FO 991-18**  
**FO 991-21**

**FO 992-15**  
**FO 992-18**  
**FO 992-21**



Ø0.4 mm

0.4 mm

0.7 mm

0.7 mm



15 cm/ 5 7/8" **FO 993-15**  
18 cm/ 7 1/8" **FO 993-18**  
21 cm/ 8 2/8" **FO 993-21**

**FO 994-15**  
**FO 994-18**  
**FO 994-21**

**FO 995-15**  
**FO 995-18**  
**FO 995-21**

**FO 996-15**  
**FO 996-18**  
**FO 996-21**

0.3 mm

0.3 mm

0.6 mm

0.6 mm

**Regular**  
with tying platform



12 cm/ 5 7/8" **FO 608-12**  
15 cm/ 5 7/8" **FO 610-15**  
18 cm/ 7 1/8"

**FO 609-12**  
**FO 611-15**

**FO 612-18**

**FO 613-18**

1/4



**Forceps**  
Micro Forceps



**Atraumatic** 

1x2



1.2 mm

Ø1.0 x 0.5 mm

Ø2.0 x 0.8 mm



15 cm/ 5 7/8" **FO 980-15**  
18 cm/ 7 1/8" **FO 980-18**  
21 cm/ 8 3/8" **FO 980-21**

**FO 981-15**  
**FO 981-18**      **FO 982-18**  
**FO 981-21**



0.4 mm

0.4 mm

0.7 mm

0.7 mm



15 cm/ 5 7/8" **FO 983-15**  
18 cm/ 7 1/8" **FO 983-18**  
21 cm/ 8 3/8" **FO 983-21**

**FO 984-15**      **FO 985-15**      **FO 986-15**  
**FO 984-18**      **FO 985-18**      **FO 986-18**  
**FO 984-21**      **FO 985-21**      **FO 986-21**

counter balanced

1/4



¼

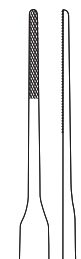
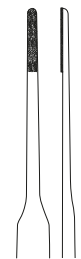
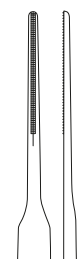
Gerald

Atraumatic



**Regular**

cross serrated



18 cm / 7 1/8"  
20 cm / 7 7/8"  
25 cm / 9 7/8"

**FO 961-18**  
**FO 961-20**

**FO 962-18**  
**FO 962-20**

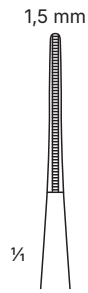
**FO 963-18**  
**FO 963-20**

**FO 964-18**  
**FO 964-25**

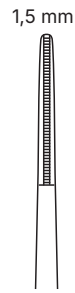


**Forceps**  
Atraumatic Forceps

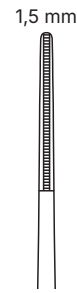
**Atraumatic** 



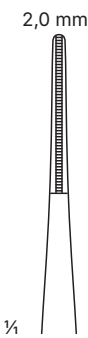
**FO 950-16**  
16 cm/ 6 3/8"



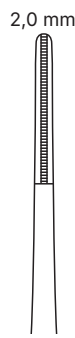
**FO 950-20**  
20 cm/ 7 7/8"



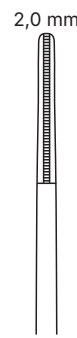
**FO 950-24**  
24 cm/ 9 3/8"



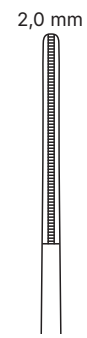
**FO 951-16**  
16 cm/ 6 3/8"



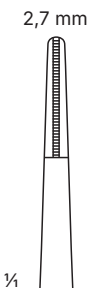
**FO 951-20**  
20 cm/ 7 7/8"



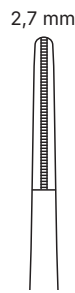
**FO 951-24**  
24 cm/ 9 3/8"



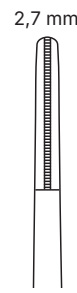
**FO 951-30**  
30 cm/ 11 5/8"



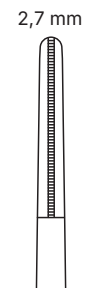
**FO 952-16**  
16 cm/ 6 3/8"



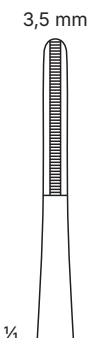
**FO 952-20**  
20 cm/ 7 7/8"



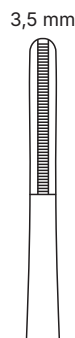
**FO 952-24**  
24 cm/ 9 3/8"



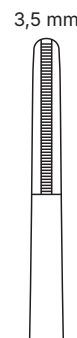
**FO 952-30**  
30 cm/ 11 5/8"



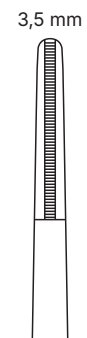
**FO 953-16**  
16 cm/ 6 3/8"



**FO 953-20**  
20 cm/ 7 7/8"



**FO 953-24**  
24 cm/ 9 3/8"

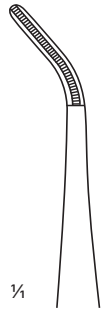


**FO 953-30**  
30 cm/ 11 5/8"

Atraumatic 

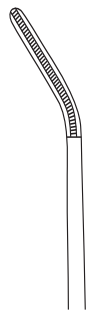


2,0 mm



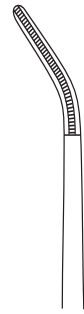
**FO 954-16**  
16 cm / 6 3/8"

2,0 mm



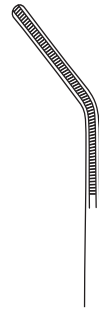
**FO 954-20**  
20 cm / 7 7/8"

2,0 mm



**FO 954-24**  
24 cm / 9 3/8"

2,0 mm



**FO 954-30**  
30 cm / 11 3/8"



1,2 mm



**FO 960-15**  
15 cm / 5 7/8"

1,2 mm



**FO 960-20**  
20 cm / 7 7/8"

1,2 mm



**FO 960-24**  
24 cm / 9 3/8"



## Forceps

Dissecting Forceps



standart pattern



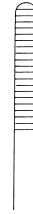
$\frac{1}{4}$   
**FO 100-10**  
10,5 cm / 4  $\frac{1}{8}$ "



**FO 100-11**  
11,5 cm / 4  $\frac{3}{8}$ "



**FO 100-13**  
13 cm / 5  $\frac{1}{8}$ "



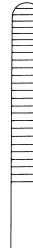
**FO 100-14**  
14,5 cm / 5  $\frac{7}{8}$ "



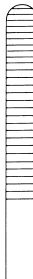
**FO 100-16**  
16 cm / 6  $\frac{3}{8}$ "



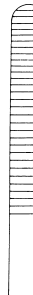
$\frac{1}{4}$   
**FO 100-18**  
18 cm / 7  $\frac{1}{8}$ "



**FO 100-20**  
20 cm / 7  $\frac{7}{8}$ "



**FO 100-25**  
25 cm / 9  $\frac{7}{8}$ "



**FO 100-30**  
30,5 cm / 12"

$\frac{1}{2}$

medium pattern



$\frac{1}{4}$   
**FO 120-10**  
10,5 cm / 4  $\frac{1}{8}$ "



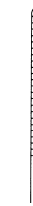
**FO 120-11**  
11,5 cm / 4  $\frac{3}{8}$ "



**FO 120-13**  
13 cm / 5  $\frac{1}{8}$ "



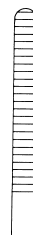
**FO 120-14**  
14,5 cm / 5  $\frac{7}{8}$ "



**FO 120-16**  
16 cm / 6  $\frac{3}{8}$ "



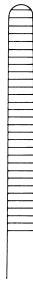
$\frac{1}{4}$   
**FO 120-18**  
18 cm / 7  $\frac{1}{8}$ "



**FO 120-20**  
20 cm / 7  $\frac{7}{8}$ "



**FO 120-25**  
25 cm / 9  $\frac{7}{8}$ "



**FO 120-30**  
30,5 cm / 12"

$\frac{1}{2}$



1/2

standart pattern



1/4



**FO 110-10**  
10,5 cm / 4 1/8"



**FO 110-11**  
11,5 cm / 4 3/8"



**FO 110-13**  
13 cm / 5 1/8"



**FO 110-14**  
14,5 cm / 5 7/8"



**FO 110-16**  
16 cm / 6 3/8"

1/4



**FO 110-18**  
18 cm / 7 1/8"



**FO 110-20**  
20 cm / 7 7/8"



**FO 110-25**  
25 cm / 9 7/8"



**FO 110-30**  
30,5 cm / 12"

1/4



**FO 130-13**  
13 cm / 5 1/8"



**FO 130-11**  
14,5 cm / 5 5/8"



**FO 130-13**  
16 cm / 6 3/8"



**FO 130-14**  
18 cm / 7 1/8"

1/4



**FO 130-10**  
20,5 cm / 8 1/8"



**FO 130-11**  
25 cm / 9 7/8"



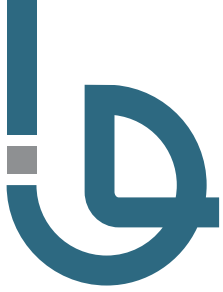
**FO 130-13**  
30,5 cm / 11 5/8"



1/2

medium pattern





## Forceps

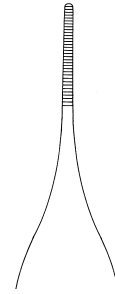
Dissecting Forceps, Tissue Forceps



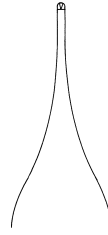
$\frac{1}{2}$   
Adson

$\frac{1}{4}$

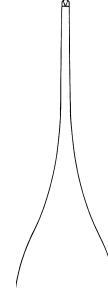
**FO 200-12**  
12 cm/ 4  $\frac{5}{8}$ "



**FO 200-15**  
15 cm/ 5  $\frac{3}{8}$ "



**FO 202-12**  
12 cm/ 4  $\frac{5}{8}$ "



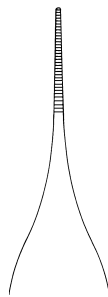
**FO 202-15**  
15 cm/ 5  $\frac{3}{8}$ "



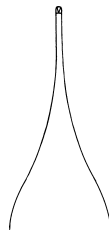
$\frac{1}{2}$   
Micro-Adson

$\frac{1}{4}$

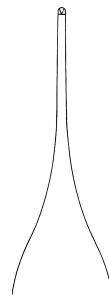
**FO 201-12**  
12 cm/ 4  $\frac{5}{8}$ "



**FO 201-15**  
15 cm/ 5  $\frac{3}{8}$ "

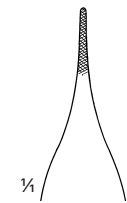


**FO 203-12**  
12 cm/ 4  $\frac{5}{8}$ "



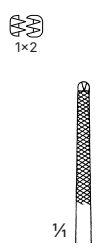
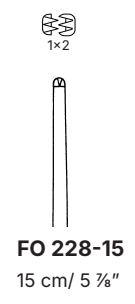
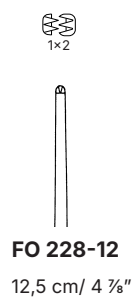
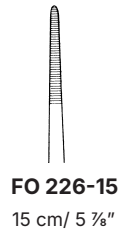
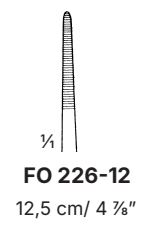
**FO 203-15**  
15 cm/ 5  $\frac{3}{8}$ "

cross serrated



$\frac{1}{4}$

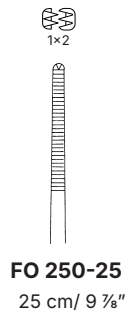
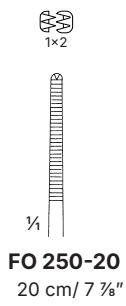
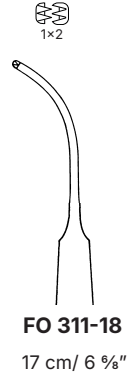
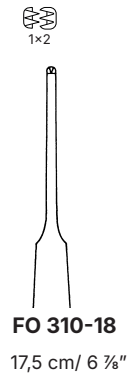
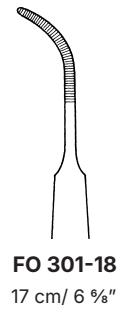
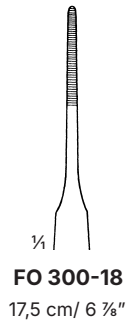
$\frac{1}{2}$   
Mini-Adson  
**FO 220-12**  
12 cm/ 4  $\frac{5}{8}$ "





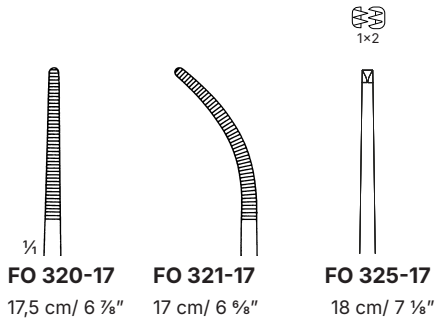
## Forceps

Dissecting Forceps, Tissue Forceps

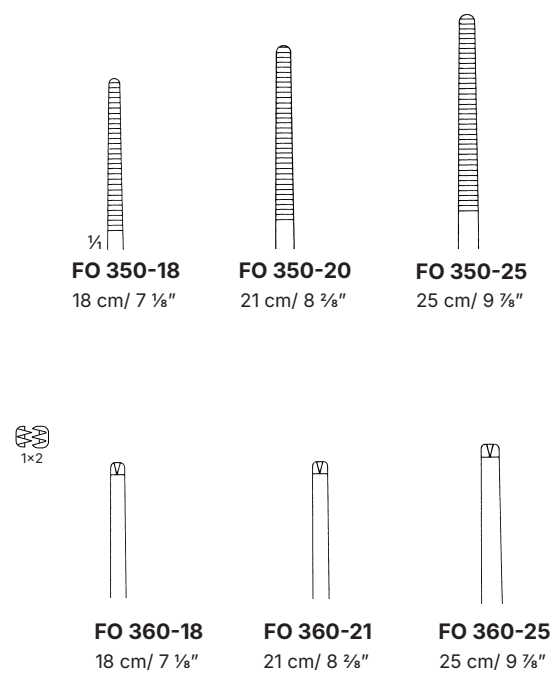


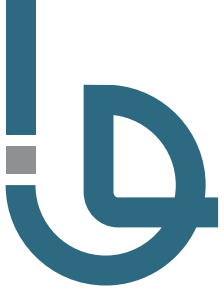


½ Cushing



½ Potts-Smith





**Forceps**  
Tissue Forceps



$\frac{1}{2}$   
Russ.Modell



$\frac{1}{4}$   
**FO 517-15**  
15 cm / 5  $\frac{7}{8}$ "



**FO 517-20**  
20 cm / 7  $\frac{7}{8}$ "



**FO 517-25**  
25 cm / 9  $\frac{7}{8}$ "



$\frac{1}{2}$   
Durante



$\frac{1}{4}$   
**FO 518-14**  
14,5 cm / 5  $\frac{9}{8}$ "



**FO 518-16**  
16 cm / 6  $\frac{3}{8}$ "



**FO 518-20**  
20 cm / 7  $\frac{7}{8}$ "



$\frac{1}{2}$   
Mayo  
**FO 501-23**  
23 cm / 9"



$\frac{1}{4}$



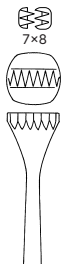
$\frac{1}{2}$   
Single-Tuttle  
**FO 502-23**  
23 cm / 9"



$\frac{1}{4}$



$\frac{1}{2}$   
Nelson  
**FO 503-23**  
23 cm / 9"



$\frac{1}{4}$

 TC



1/2 Potts-Smith



FO 400-15  
16 cm / 6 3/8"



FO 400-18  
18,5 cm / 7 3/8"



FO 400-20  
20 cm / 7 7/8"



FO 400-23  
23 cm / 9"

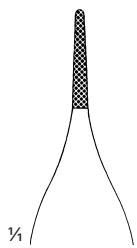


FO 400-25  
25 cm / 9 7/8"

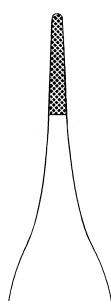
 TC



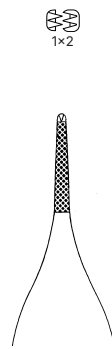
1/2 Adson



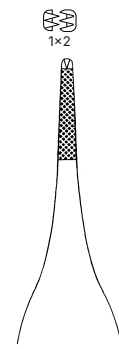
FO 405-12  
12 cm / 4 5/8"



FO 405-15  
15 cm / 5 7/8"



FO 406-12  
12 cm / 4 5/8"



FO 406-15  
15 cm / 5 7/8"



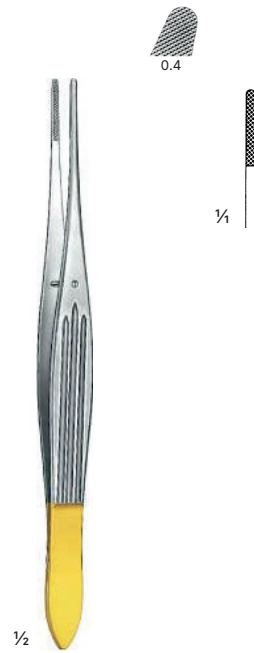
## Forceps

Tissue Forceps, Dissecting Forceps

 TC



$\frac{1}{2}$   
Gillies  
**FO 403-15**  
15,5 cm / 6  $\frac{1}{8}$ "



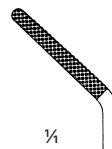
$\frac{1}{2}$   
McIndoe  
**FO 407-15**  
15 cm / 5  $\frac{7}{8}$ "



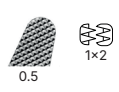
$\frac{1}{2}$   
Cushing  
**FO 407-17**  
17,5 cm / 6  $\frac{7}{8}$ "



$\frac{1}{2}$   
Cushing  
**FO 408-17**  
17 cm / 6  $\frac{5}{8}$ "



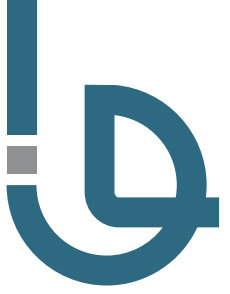
**TC**



1/4					
	<b>FO 401-14</b>	<b>FO 401-16</b>	<b>FO 401-18</b>	<b>FO 401-20</b>	<b>FO 401-25</b>
	14,5 cm / 5 7/8"	16 cm / 6 3/8"	18 cm / 7 1/8"	20 cm / 7 7/8"	25 cm / 9 7/8"



1/4				
	1,5 mm	2,0 mm	2,7 mm	3,5 mm
16 cm / 6 3/8"	<b>FO 410-16</b>	<b>FO 411-16</b>	<b>FO 412-16</b>	<b>FO 413-16</b>
20 cm / 7 7/8"	<b>FO 410-20</b>	<b>FO 411-20</b>	<b>FO 412-20</b>	<b>FO 413-20</b>
24 cm / 9 3/8"	<b>FO 410-24</b>	<b>FO 411-24</b>	<b>FO 412-24</b>	<b>FO 413-24</b>



# Sponge and Dressing Clamps

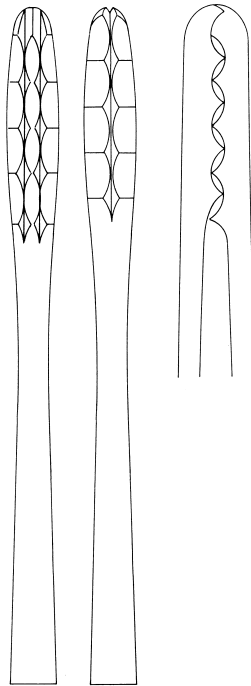
Sponge and Dressing Clamps  
Sponge Holding Clamps  
Towel Clamps  
Tubing Clamps



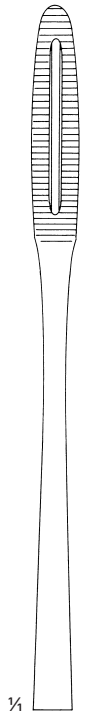


## Sponge and Dressing Clamps

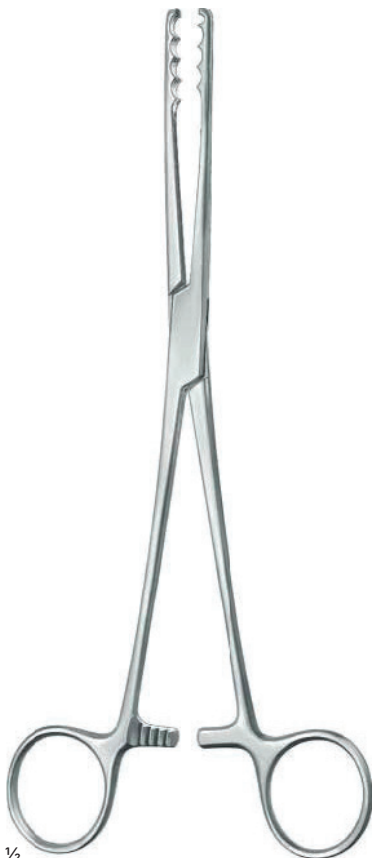
Sponge Holding and Dressing Clamps



**CM 201-25**  
27 cm / 10 5/8"

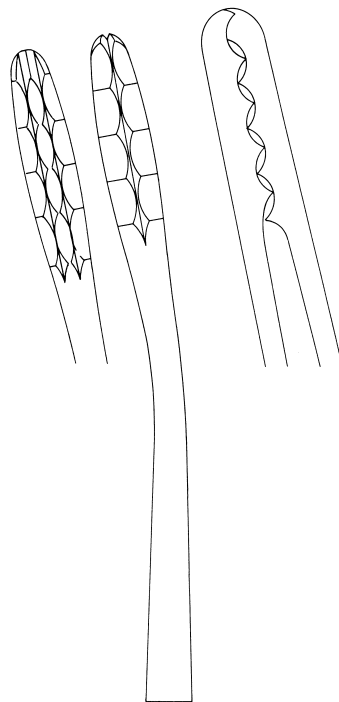


1/4  
**CM 205-27**  
26,5 cm / 10 3/8"



1/2

Ulrich

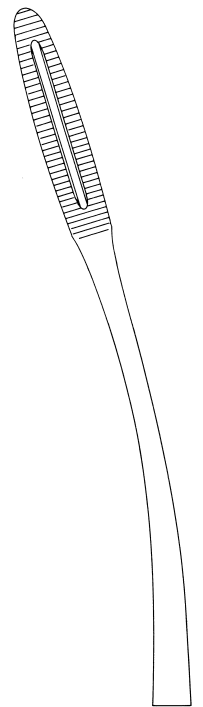


**CM 202-25**  
26,5 cm / 10 7/8"

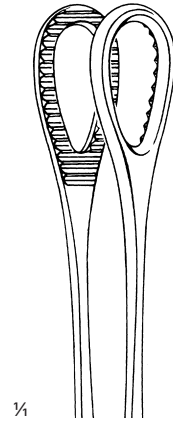


1/2

Gross-Maier



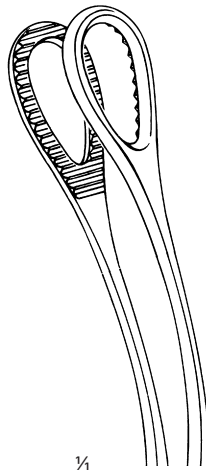
**CM 206-27**  
26,5 cm / 10 3/8"



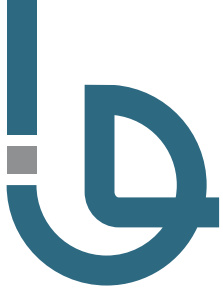
$\frac{1}{4}$   
**CM 223-25**  
25 cm / 9  $\frac{7}{8}$ "



$\frac{1}{2}$   
Foester



$\frac{1}{4}$   
**CM 224-25**  
25 cm / 9  $\frac{7}{8}$ "

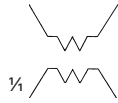


## Sponge and Dressing Clamps

Towel Clamps



Lane



**HM 840-13**

13 cm / 5 1/8"

**HM 840-15**

15 cm / 5 7/8"

**HM 840-20**

19,5 cm / 7 5/8"



**HM 860-08**

9 cm / 3 4/8"

**HM 860-11**

11 cm / 4 3/8"

**HM 860-13**

13 cm / 5 1/8"

**HM 860-15**

16 cm / 6 3/8"



Backhaus

sharp

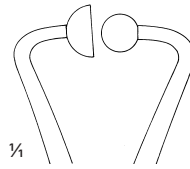


Bernhard

**HM 835-16**

16,5 cm / 6 4/8"

sharp



**HM 861-13**

14 cm / 5 1/8"

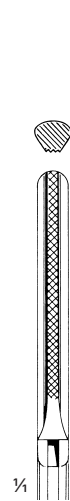
for paper drapes



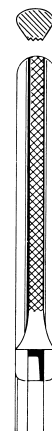
Roeder

**HM 880-13**

13,5 cm / 5 3/8"



**HM 815-15**  
15,5 cm / 6 1/8"



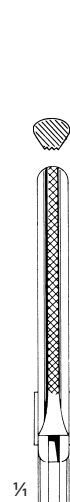
**HM 815-18**  
19 cm / 7 1/2"



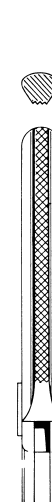
**HM 815-20**  
20,5 cm / 8 1/8"



with safety guard



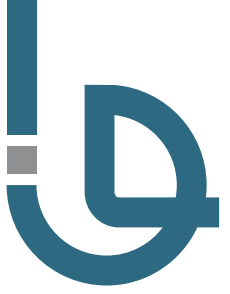
**HM 816-15**  
15,5 cm / 6 1/8"



**HM 816-18**  
19 cm / 7 1/2"

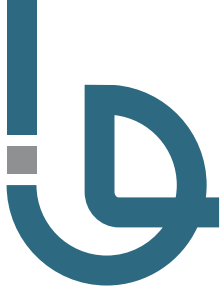


**HM 816-20**  
20,5 cm / 8 1/8"



# Clamps

Applying Forceps  
Micro Bulldog Clamps  
Approximators  
Bulldog Clamps  
Hemostatic Clamps  
Dissecting and Ligature Clamps  
Peritoneum Clamps  
Intestinal and Tissue Grasping Clamps  
Neonatal Anastomosis and Multi-Purpose  
Atraumatic Clamps  
Pediatric Anastomosis and Multi-Purpose  
Atraumatic Clamps  
Pediatric Atraumatic Clamps  
Atraumatic Hemostatic Clamps  
Dissecting and Ligature Atraumatic Clamps  
Multi-Purpose Atraumatic Clamps  
Pehripheral Atraumatic Clamps  
Vena Cava Atrautamic Clamps  
Coarctation Atraumatic Clamps  
Atraumatic Tangential Occlusion Clamps  
Ascending Aorta Cross Clamps  
Aortic Aneurysm Clamps  
Aortic Anastomosis Clamps  
Bronchus Clamps



## Clamps

Applying Forceps, Micro Bulldog Clamps, Approximators



½

**HM 482-00**  
14,5 cm / 5 ⅞"



**HM 482-01**  
**HM 482-05**



¼

**Biemer**  
Total length:  
Jaw length:



¼

**HM 482-01**  
14 mm  
6 mm



**HM 482-02**  
17 mm  
9 mm



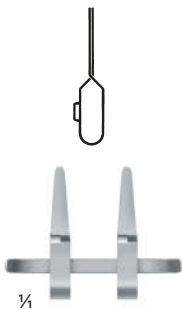
**HM 482-03**  
17 mm  
9 mm



¼

**Biemer-Müller**

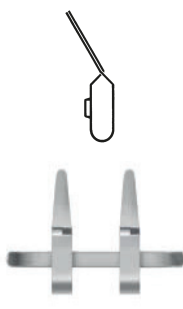
Total length:  
Jaw length:



¼

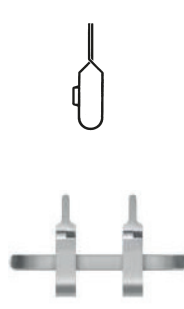
straight, wide  
**HM 483-01**

17 mm  
9 mm



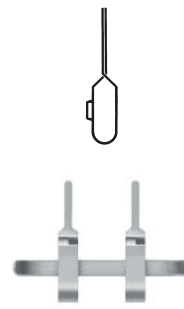
angled, wide  
**HM 483-02**

17 mm  
9 mm



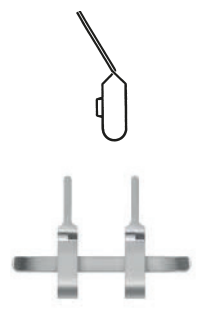
straight, narrow  
**HM 483-03**

13 mm  
4,5 mm




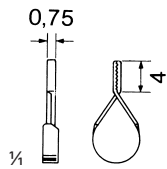
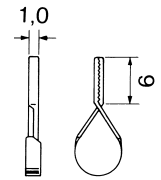
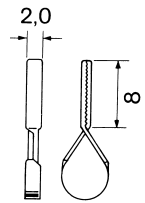
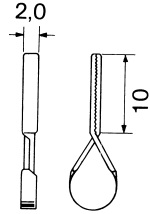
straight, narrow  
**HM 483-04**

17 mm  
9 mm



angled, narrow  
**HM 483-05**

17 mm  
9 mm

				
	<b>HM 484-01</b>	<b>HM 484-02</b>	<b>HM 484-03</b>	<b>HM 484-04</b>
Total length:	13 mm	15 mm	17 mm	20 mm
Jaw length:	4 mm	6 mm	8 mm	10 mm



$\frac{1}{2}$   
**HM 484-00**  
18,5 cm / 7  $\frac{3}{8}$ "



**HM 484-01**  
**HM 484-04**



## Atraumatic



¼  
Glover-Mini

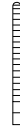
Total length:  
Jaw length:



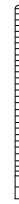
¼  
**KA 100-01**  
3 cm / 1 3/16"



**KA 100-02**  
3,5 cm / 1 3/8"



**KA 100-03**  
4 cm / 1 5/8"



**KA 100-04**  
4,5 cm / 1 7/8"



¼  
Glover-Mini

Total length:  
Jaw length:



¼  
**KA 100-05**  
3 cm / 1 3/16"



**KA 100-06**  
3,5 cm / 1 3/8"



**KA 100-07**  
4 cm / 1 5/8"



**KA 100-08**  
4,5 cm / 1 7/8"



¼  
Glover-Mini

Total length:  
Jaw length:



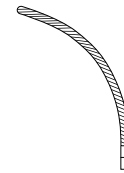
¼  
**KA 100-09**  
3 cm / 1 3/16"



**KA 100-10**  
3,5 cm / 1 3/8"



**KA 100-11**  
4 cm / 1 5/8"



**KA 100-12**  
4,5 cm / 1 7/8"

Atraumatic 



**KA 102-01**

Total length: 7 cm / 2 5/8"

Jaw length: 30 mm



**KA 102-02**

Total length: 8 cm / 3 1/8"

Jaw length: 40 mm



**KA 102-03**

Total length: 9,5 cm / 3 5/8"

Jaw length: 50 mm



**KA 102-04**

Total length: 11 cm / 4 3/8"

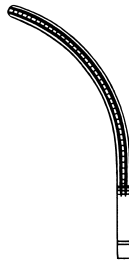
Jaw length: 70 mm



**KA 103-01**

Total length: 6,5 cm / 2 5/8"

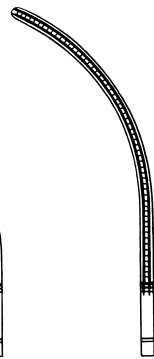
Jaw length: 25 mm



**KA 103-02**

Total length: 7,5 cm / 3"

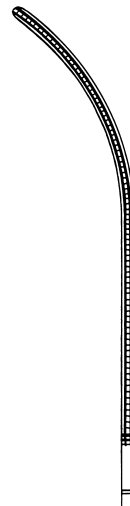
Jaw length: 35 mm



**KA 103-03**

Total length: 9 cm / 3 5/8"

Jaw length: 45 mm



**KA 103-04**

Total length: 10,5 cm / 4"

Jaw length: 65 mm



**Clamps**  
Bulldog Clamps

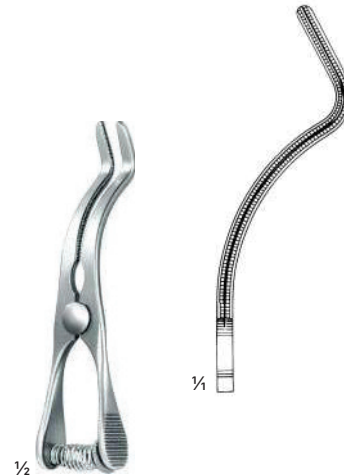
Atraumatic 



De Bakey-Satinsky  
**KA 101-01**

Total length: 7 cm / 2 7/8"

Jaw length: 27 mm



De Bakey-Satinsky  
**KA 101-02**

9 cm / 3 4/8"

51 mm



De Bakey-Satinsky  
**KA 101-03**

Total length: 10 cm / 3 7/8"

Jaw length: 60 mm



Glover  
**KA 101-04**

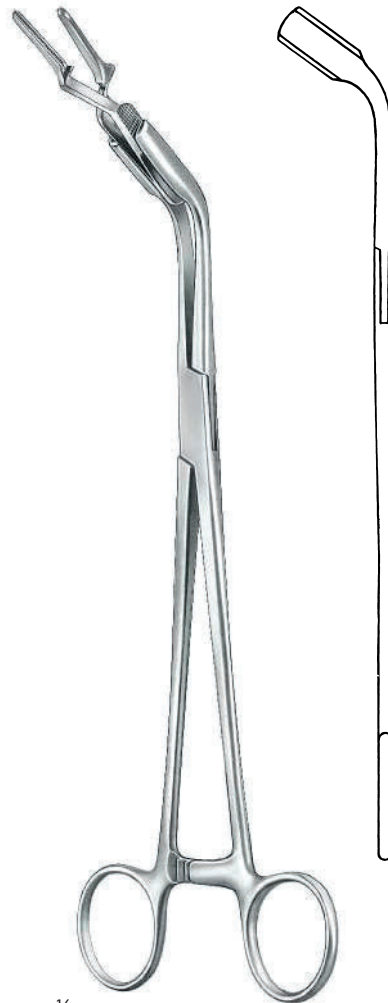
6,5 cm / 2 4/8"

16 mm



1/2

Glover-Mini  
**KA 100-00**  
24 cm/ 9 1/8"



1/2

**HM 480-00**  
24 cm/ 9 1/8"





## Clamps

Bulldog Clamps



Diethrich

	$\frac{1}{4}$ HM 470-01	HM 470-02	HM 470-03	HM 471-01	HM 471-02	HM 471-03
Total length:	4,5 cm / 1 $\frac{5}{8}$ "	5 cm / 1 $\frac{7}{8}$ "	6 cm / 2 $\frac{3}{8}$ "	4 cm / 1 $\frac{5}{8}$ "	4,5 cm / 1 $\frac{5}{8}$ "	5 cm / 1 $\frac{7}{8}$ "
Jaw length:	8 mm	12 mm	20 mm	8 mm	12 mm	20 mm

## Atraumatic



De Bakey

	$\frac{1}{4}$ KA 105-01	KA 105-02	KA 105-03	KA 105-04
Total length:	8 cm / 3 $\frac{1}{8}$ "	9 cm / 3 $\frac{5}{8}$ "	10,5 cm / 4 $\frac{1}{8}$ "	12,5 cm / 4 $\frac{7}{8}$ "
Jaw length:	30 mm	40 mm	55 mm	68 mm



De Bakey

	$\frac{1}{4}$ KA 106-01	KA 106-02	KA 106-03	KA 106-04
Total length:	8 cm / 3 $\frac{1}{8}$ "	8,5 cm / 3 $\frac{3}{8}$ "	9,5 cm / 3 $\frac{5}{8}$ "	11,5 cm / 4 $\frac{3}{8}$ "
Jaw length:	25 mm	35 mm	50 mm	65 mm



	¼ <b>HM 476-03</b>	<b>HM 476-05</b>	<b>HM 476-06</b>	<b>HM 477-03</b>	<b>HM 477-05</b>	<b>HM 477-06</b>
Total length:	3,5 cm / 1 ¾"	5 cm / 1 ⅞"	6 cm / 2 ⅜"	3,5 cm / 1 ¾"	5 cm / 1 ⅞"	6 cm / 2 ⅜"
Jaw length:	11 mm	15 mm	17 mm	11 mm	15 mm	17 mm



	¼ <b>HM 480-04</b>	<b>HM 480-05</b>	<b>HM 480-06</b>	<b>HM 480-07</b>	<b>HM 480-09</b>
Total length:	3,8 cm / 1 ¾"	5,5 cm / 2 ⅛"	6,5 cm / 2 ¼"	7,5 cm / 3"	9 cm / 3 ¼"
Jaw length:	12 mm	25 mm	30 mm	40 mm	50 mm



	¼ <b>HM 481-04</b>	<b>HM 481-05</b>	<b>HM 481-06</b>	<b>HM 481-07</b>	<b>HM 481-09</b>
Total length:	3,8 cm / 1 ¾"	5,5 cm / 2 ⅛"	6,5 cm / 2 ¼"	7,5 cm / 3"	9 cm / 3 ¼"
Jaw length:	12 mm	25 mm	30 mm	40 mm	50 mm

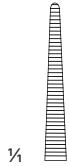


# Clamps

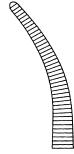
## Hemostatic Clamps



1/2  
Hartmann  
10 cm / 3 7/8"



1/4  
HM 432-10



HM 433-10



1/2  
Micro-Mosquito



1/4  
HM 436-10  
10 cm / 3 7/8"



HM 436-12  
12 cm / 4 5/8"



HM 437-10  
10 cm / 3 7/8"



HM 437-12  
12 cm / 4 5/8"



1/4  
HM 438-10  
10 cm / 3 7/8"



HM 438-12  
12 cm / 4 5/8"



HM 439-10  
10 cm / 3 7/8"



HM 439-12  
12 cm / 4 5/8"



1/2  
Halsted-Mosquito



1/4  
HM 440-12  
12,5 cm / 4 7/8"



HM 440-14  
14,5 cm / 5 5/8"



HM 441-12  
12 cm / 4 5/8"



HM 441-14  
14 cm / 5 1/2"



1/4  
HM 442-12  
12,5 cm / 4 7/8"



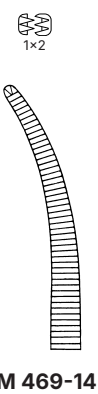
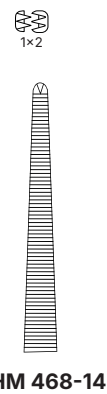
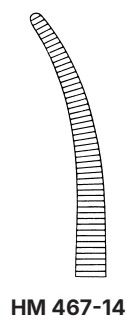
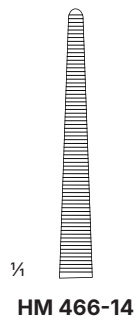
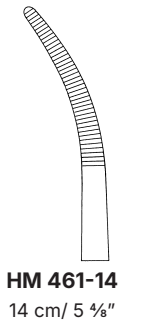
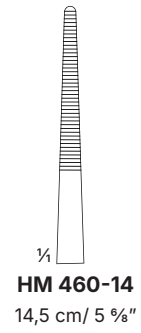
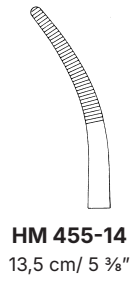
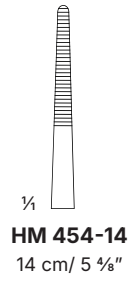
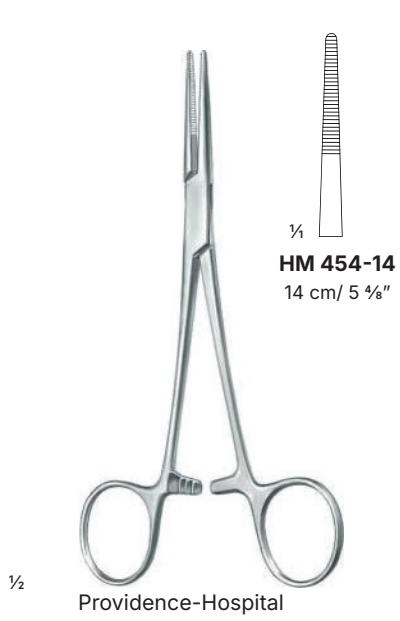
HM 442-14  
14,5 cm / 5 5/8"



HM 443-12  
12,5 cm / 4 7/8"



HM 443-14  
14,5 cm / 5 5/8"



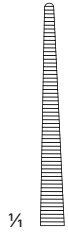


## Clamps

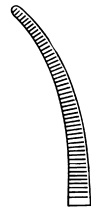
### Hemostatic Clamps



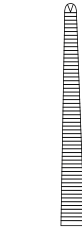
Leriche



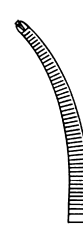
**HM 450-15**  
15,5 cm / 6 1/8"



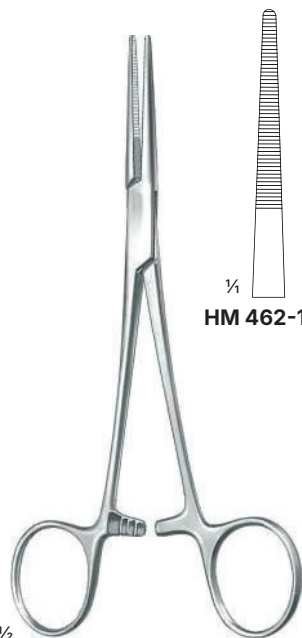
**HM 451-15**  
15 cm / 5 7/8"



**HM 452-15**  
15,5 cm / 6 1/8"



**HM 453-15**  
15 cm / 5 7/8"

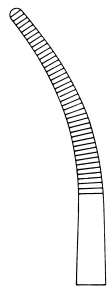


1/2

**Kelly-Rankin**  
16 cm / 6 3/8"



**HM 462-16**



**HM 463-16**

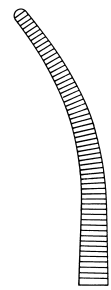


1/2

**Crile-Rankin**  
16 cm / 6 3/8"



**HM 470-16**



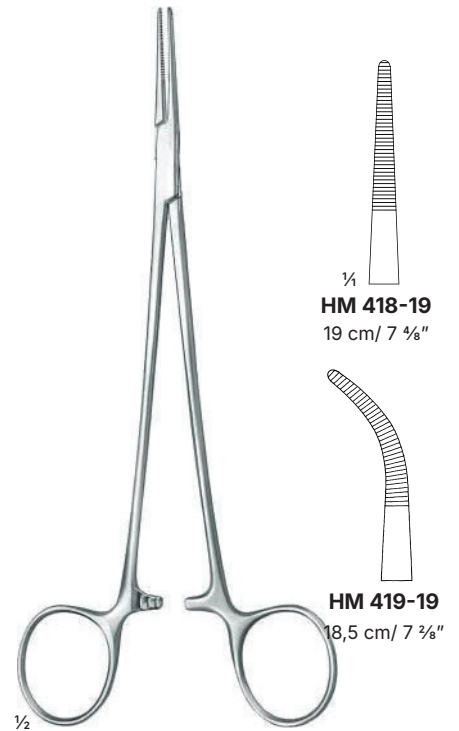
**HM 471-16**



1/2  
Schnidt-Sawtel



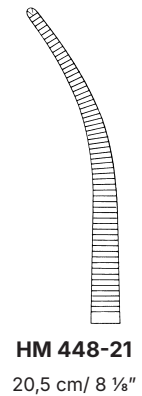
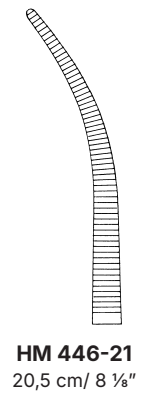
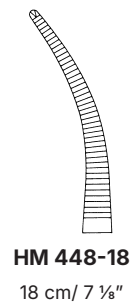
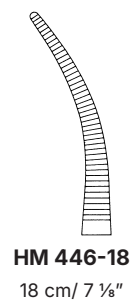
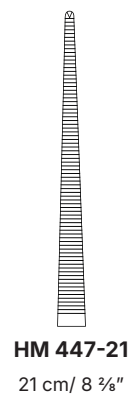
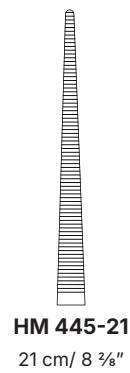
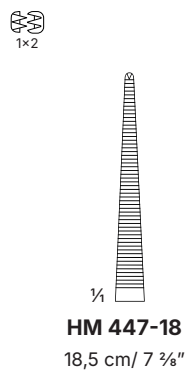
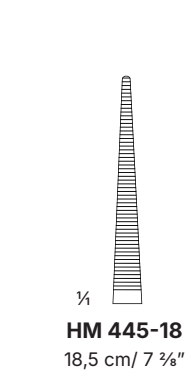
1/2  
Fuchsig  
**HM 408-18**  
20,5 cm / 8 1/8"



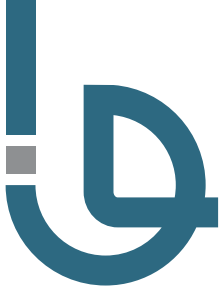
1/2  
Adson



1/2  
Halsted-Mosquito



1x2



## Clamps

### Hemostatic Clamps



1/2

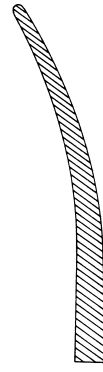
Bengoalea



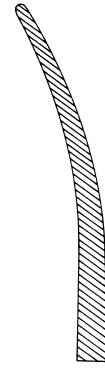
**HM 444-20**  
21,5 cm / 8 5/8"



**HM 444-26**  
26 cm / 10 3/8"



**HM 445-20**  
21,5 cm / 8 5/8"



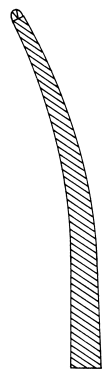
**HM 445-26**  
26 cm / 10 3/8"



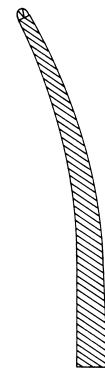
**HM 446-20**  
21,5 cm / 8 5/8"



**HM 446-26**  
26 cm / 10 3/8"



**HM 447-20**  
21,5 cm / 8 5/8"



**HM 447-26**  
26 cm / 10 3/8"

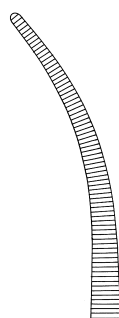


1/2

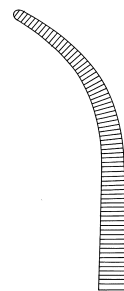
Heiss



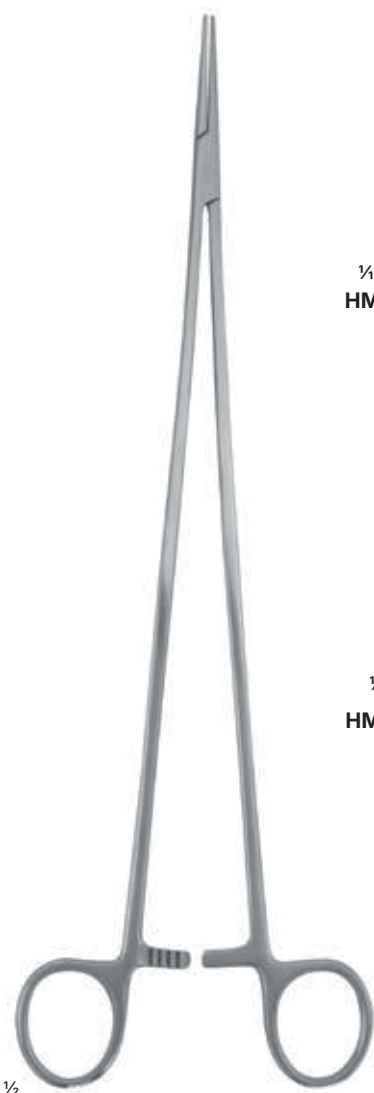
**HM 505-01**  
21 cm / 8 3/8"



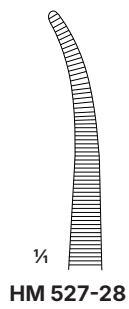
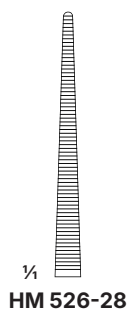
**HM 505-02**  
20,5 cm / 8 1/8"



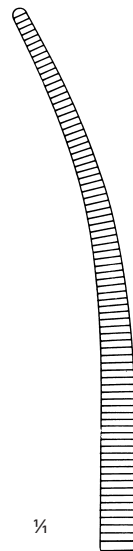
**HM 505-03**  
21 cm / 8 3/8"



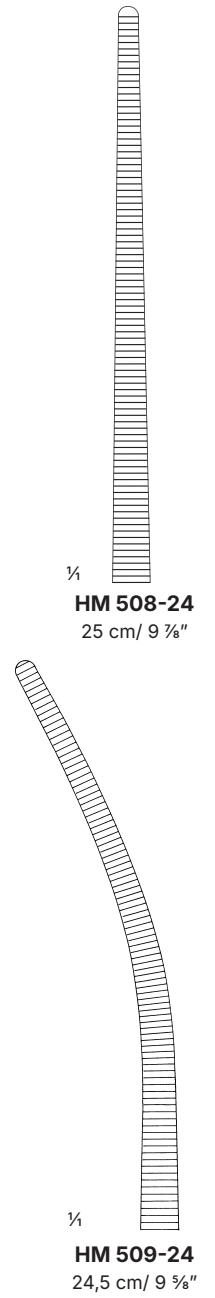
Bridge  
28 cm / 11"

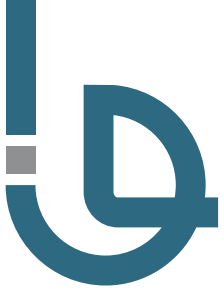


Crafoord  
**HM 510-24**  
24,5 cm / 9 5/8"



Sarot





# Clamps

## Hemostatic Clamps



1/2

Spencer-Wells



1/4

**HM 430-13**  
13 cm / 5 1/8"



**HM 430-14**  
14,5 cm / 5 3/8"



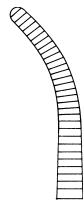
**HM 430-15**  
15,5 cm / 6 1/8"



**HM 430-18**  
18,5 cm / 7 3/8"



**HM 430-20**  
20 cm / 7 7/8"



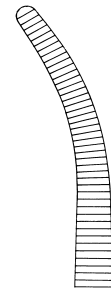
**HM 431-13**  
13 cm / 5 1/8"



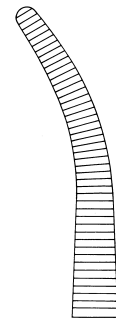
**HM 431-14**  
14 cm / 5 1/2"



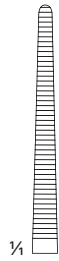
**HM 431-15**  
15 cm / 5 7/8"



**HM 431-18**  
18 cm / 7 1/8"



**HM 431-20**  
20 cm / 7 7/8"



**HM 427-13**  
13,5 cm / 5 3/8"



**HM 427-14**  
14,5 cm / 5 7/8"



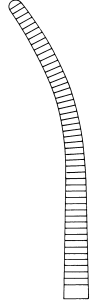
**HM 427-16**  
17 cm / 6 5/8"



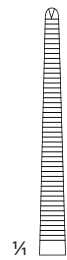
**HM 428-13**  
13 cm / 5 1/8"



**HM 428-14**  
14 cm / 5 1/2"



**HM 428-16**  
16,5 cm / 6 1/2"



**HM 429-13**  
13 cm / 5 1/8"



**HM 429-14**  
14 cm / 5 1/2"



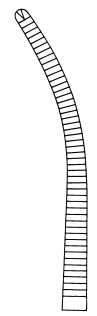
**HM 429-16**  
16 cm / 6 1/4"



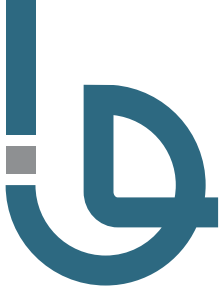
**HM 432-13**  
13 cm / 5 1/8"



**HM 432-14**  
14 cm / 5 1/2"

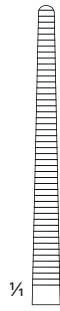


**HM 432-16**  
16 cm / 6 1/4"



## Clamps

Hemostatic Clamps



**HM 400-14**  
14,5 cm / 5  $\frac{5}{8}$ "



**HM 400-16**  
16,5 cm / 6  $\frac{3}{8}$ "



**HM 400-18**  
18,5 cm / 7  $\frac{3}{8}$ "



**HM 400-20**  
20,5 cm / 8  $\frac{1}{8}$ "



$\frac{1}{2}$   
Pean-Rochester



**HM 400-22**  
22,5 cm / 8  $\frac{7}{8}$ "



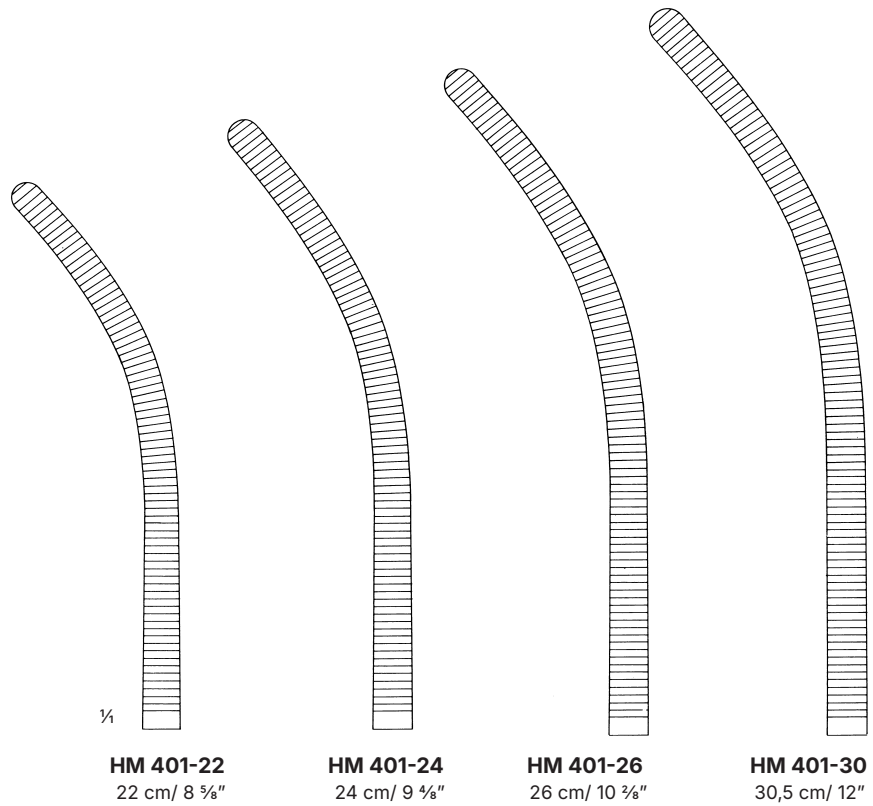
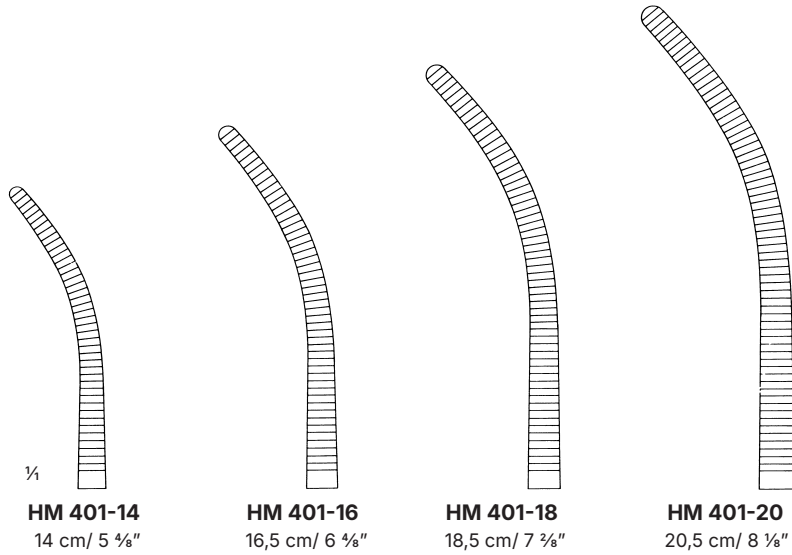
**HM 400-24**  
24 cm / 9  $\frac{1}{4}$ "

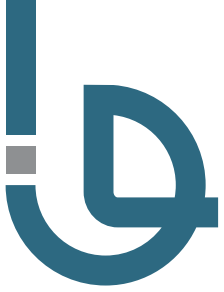


**HM 400-26**  
26 cm / 10  $\frac{1}{4}$ "



**HM 400-30**  
31 cm / 12  $\frac{3}{8}$ "





# Clamps

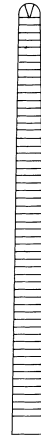
Hemostatic Clamps



**HM 405-14**  
14,5 cm / 5 7/8"



**HM 405-16**  
16,5 cm / 6 1/2"



**HM 405-18**  
18,5 cm / 7 3/8"



**HM 405-20**  
20,5 cm / 8 1/8"



1/2

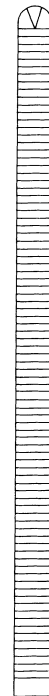
Kocher-Ochsner



**HM 405-22**  
22,5 cm / 8 7/8"



**HM 405-24**  
24 cm / 9 4/8"



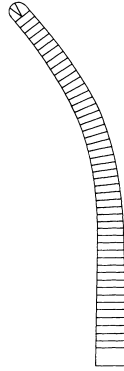
**HM 405-26**  
26 cm / 10 3/8"



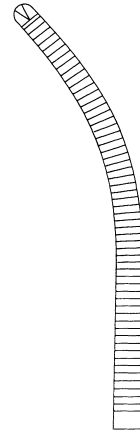
**HM 405-30**  
31 cm / 12 3/8"



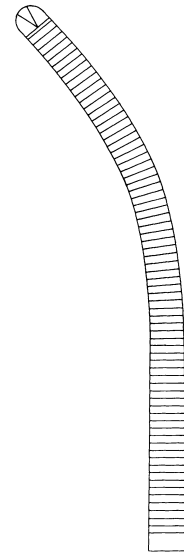
**HM 406-14**  
14 cm / 5 5/8"



**HM 406-16**  
16,5 cm / 6 5/8"



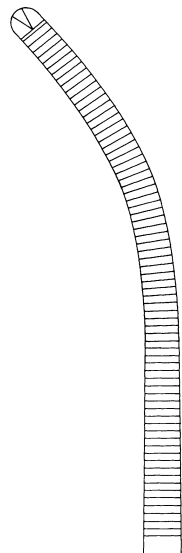
**HM 406-18**  
18,5 cm / 7 3/8"



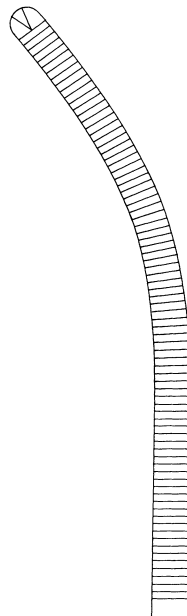
**HM 406-20**  
20 cm / 7 7/8"



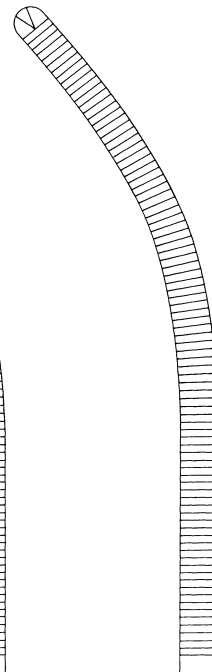
1/2  
Kocher-Ochsner



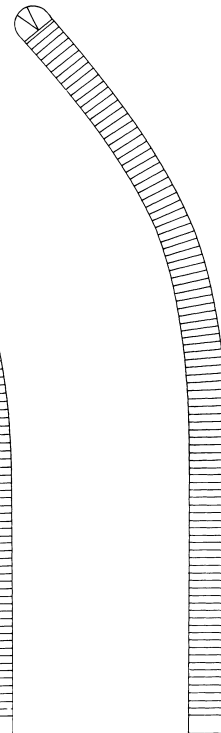
**HM 406-22**  
22,5 cm / 8 7/8"



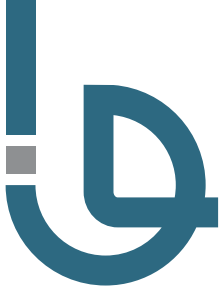
**HM 406-24**  
24 cm / 9 4/8"



**HM 406-26**  
26 cm / 10 1/8"



**HM 406-30**  
30,5 cm / 12"

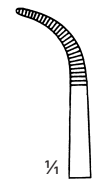


## Clamps

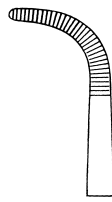
Dissecting and Ligature Clamps



Baby-Adson



**HM 415-14**  
14,5 cm / 5 7/8"



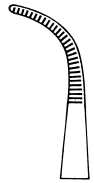
**HM 415-18**  
18 cm / 7 1/8"



Mixer-Baby



**HM 520-01**  
13,5 cm / 5 3/8"



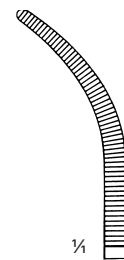
**HM 520-02**  
13 cm / 5 1/8"



Mixer-Baby  
**HM 522-18**  
18,5 cm / 7 3/8"

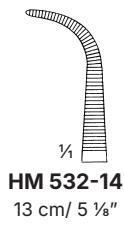


Overholt-Baby  
**HM 424-13**  
13,5 cm / 5 3/8"

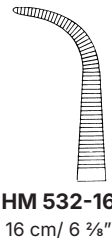




Gemini



**HM 532-14**  
13 cm / 5 1/8"



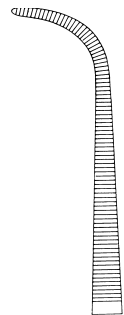
**HM 532-16**  
16 cm / 6 3/8"



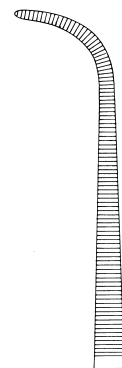
**HM 532-18**  
18 cm / 7 1/8"



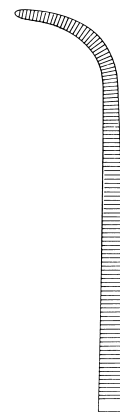
**HM 532-20**  
21 cm / 8 3/8"



**HM 532-23**  
23 cm / 9"



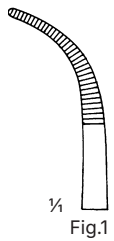
**HM 532-25**  
25 cm / 9 7/8"



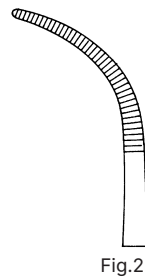
**HM 532-28**  
28 cm / 11"



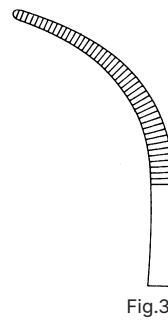
Overholt



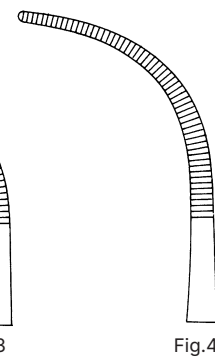
**HM 426-18**  
18,5 cm / 7 3/8"



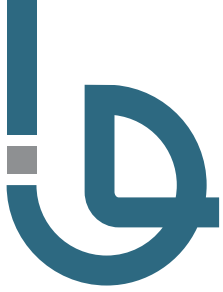
**HM 426-20**  
20,5 cm / 8 1/8"



**HM 426-21**  
21 cm / 8 3/8"



**HM 426-22**  
21,5 cm / 8 5/8"

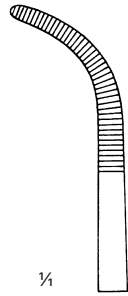


## Clamps

Dissecting and Ligature Clamps



$\frac{1}{2}$  Overholt-Geissendoerfer



$\frac{1}{4}$

Fig.1

**HM 420-01**  
20,5 cm/ 8  $\frac{1}{8}$ "

**HM 421-01**  
27 cm/ 10  $\frac{5}{8}$ "

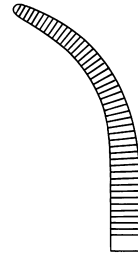


Fig.2

**HM 420-02**  
20 cm/ 7  $\frac{7}{8}$ "

**HM 421-02**  
26,5 cm/ 10  $\frac{3}{8}$ "

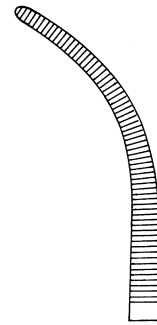


Fig.3

**HM 420-03**  
21,5 cm/ 8  $\frac{4}{8}$ "

**HM 421-03**  
27,5 cm/ 10  $\frac{7}{8}$ "

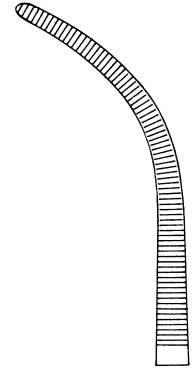


Fig.4

**HM 420-04**  
22 cm/ 8  $\frac{5}{8}$ "

**HM 421-04**  
28 cm/ 11"

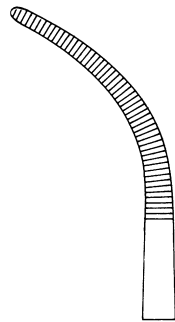


Fig.5

**HM 420-05**  
21,5 cm/ 8  $\frac{4}{8}$ "

**HM 421-05**  
27,5 cm/ 10  $\frac{3}{8}$ "

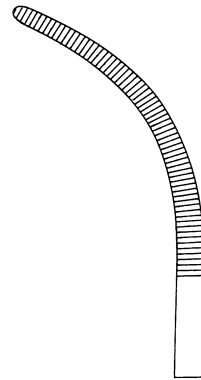


Fig.6

**HM 420-06**  
21,5 cm/ 8  $\frac{4}{8}$ "

**HM 421-06**  
28 cm/ 11"

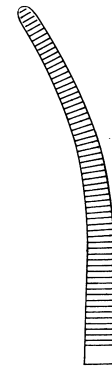


Fig.7

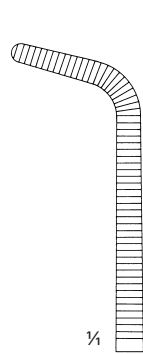
**HM 420-07**  
22 cm/ 8  $\frac{5}{8}$ "

**HM 421-07**  
27,5 cm/ 10  $\frac{3}{8}$ "

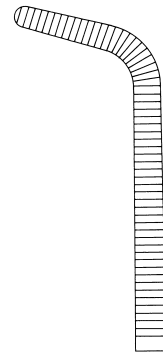


1/2

Mixer



**HM 520-15**  
16 cm / 6 3/8"

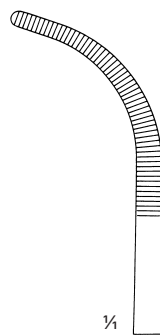


**HM 520-19**  
17,5 cm / 6 7/8"



1/2

Mixer  
**HM 525-23**  
23 cm / 9"





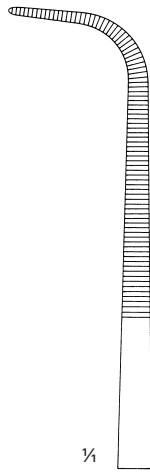
## Clamps

Dissecting and Ligature Clamps



1/2

Wikstroem  
**HM 552-19**  
21 cm / 8 3/8"



1/4



1/2

Kantrowitz



1/4

**HM 530-20**  
20 cm / 7 7/8"



**HM 530-24**  
24 cm / 9 4/8"



**HM 530-28**  
28 cm / 11 1/8"



1/2

Rumel  
24 cm / 9 1/8"

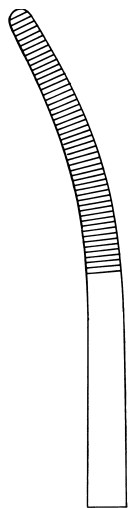


Fig.1

**HM 515-01**

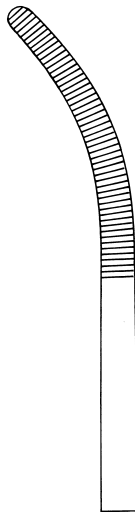


Fig.2

**HM 515-02**

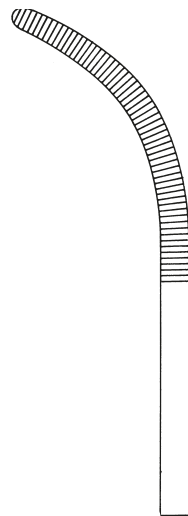


Fig.3

**HM 515-03**

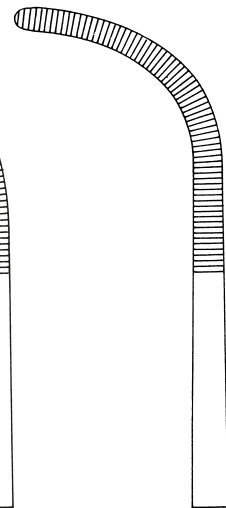
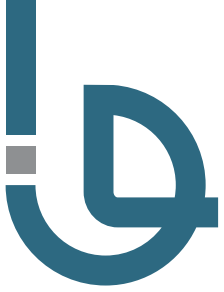


Fig.4

**HM 515-04**

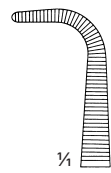


## Clamps

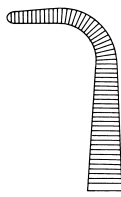
Dissecting and Ligature Clamps



Meeker



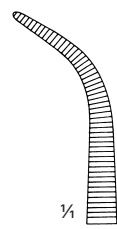
**HM 420-18**  
18 cm / 7 1/8"



**HM 420-28**  
28 cm / 11 1/8"



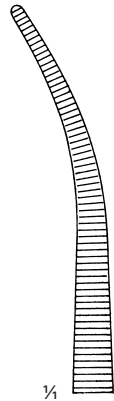
Lawrence  
**HM 531-28**  
28 cm / 11"





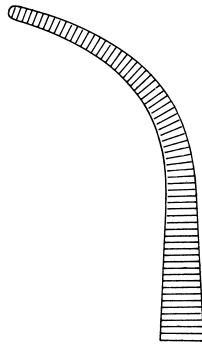
1/2

Zenker



1/4

**HM 516-29**  
29,5 cm / 11 3/8"

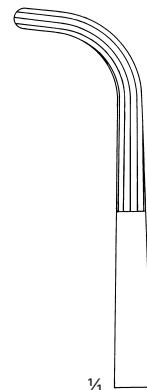


**HM 517-29**  
28,5 cm / 11 1/8"



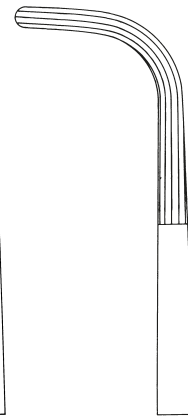
1/2

Mixer

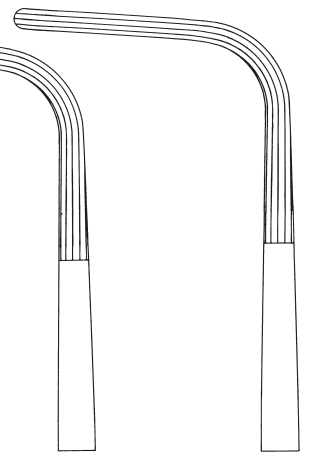


1/4

**HM 521-22**  
22,5 cm / 8 7/8"



**HM 521-25**  
26 cm / 10 1/8"

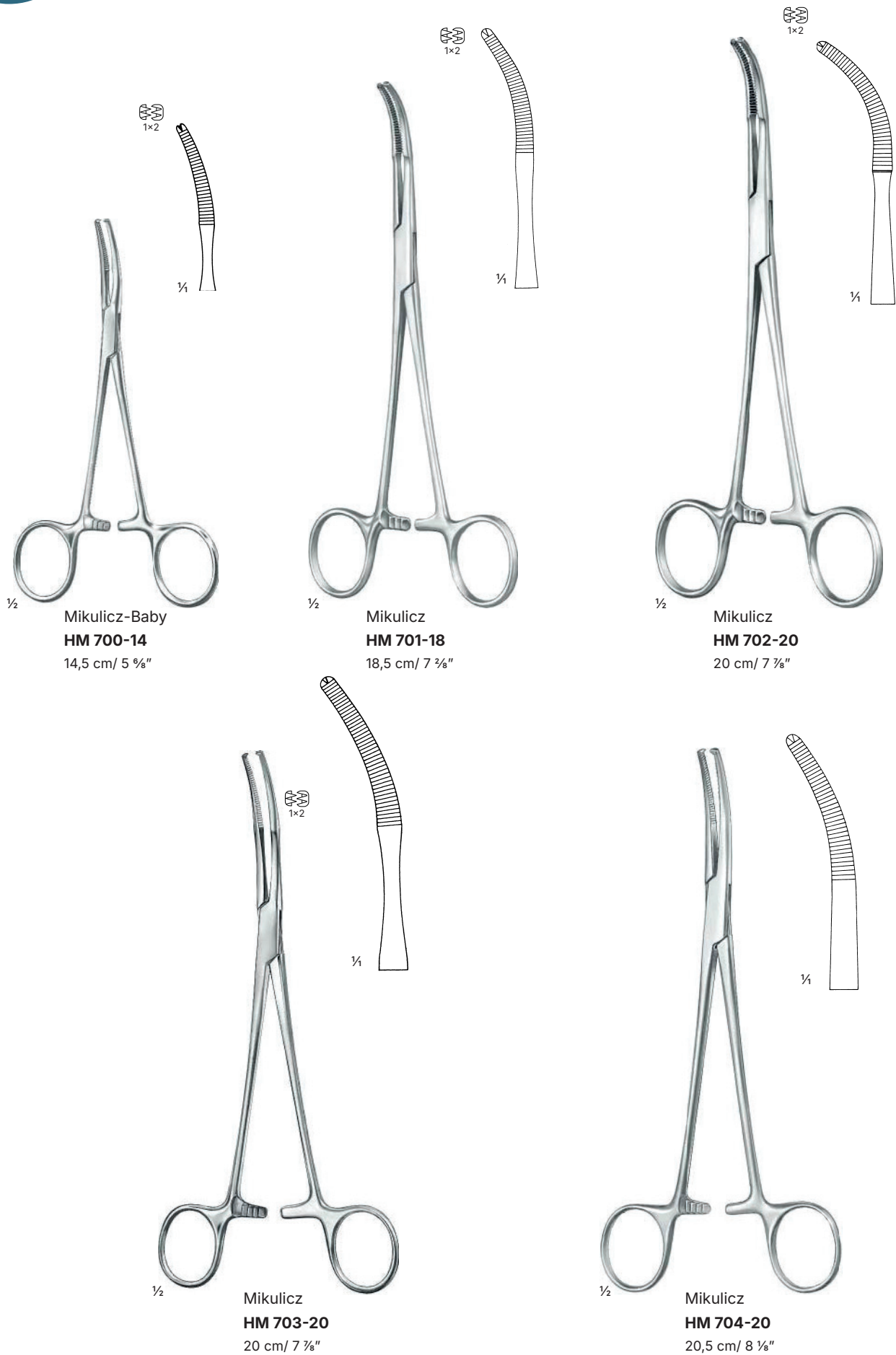


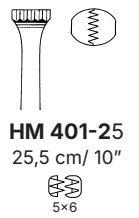
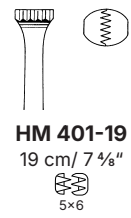
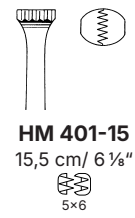
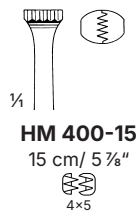
**HM 521-28**  
28 cm / 11"



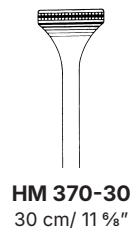
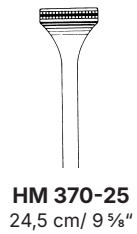
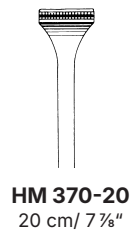
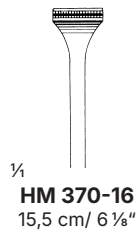
## Clamps

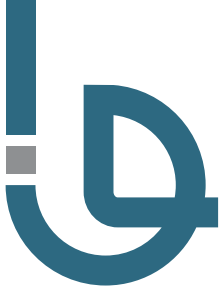
### Peritoneum Clamps





Atraumatic





## Clamps

Intestinal and Tissue Grasping Clamps



1/2

Judd-Allis



1/4

**HM 390-15**  
15,5 cm / 6 1/8"



3x4



**HM 390-25**  
19 cm / 7 1/2"



3x4



1/2

Allis  
**HM 400-19**  
19 cm / 7 1/2"



1/4

5x6



1/2

Allis-Thoms  
**HM 390-20**  
20,5 cm / 8 1/8"

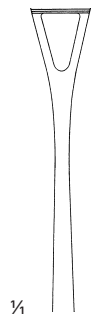


1/4

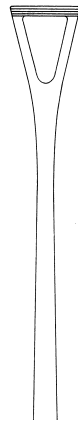
6x7



Babcock



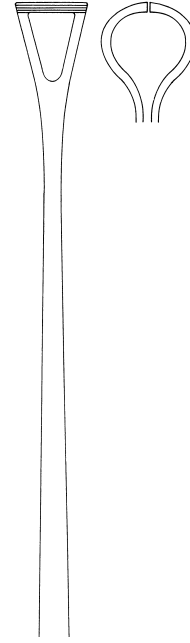
HM 410-16  
15,5 cm / 6"



HM 410-18  
17,5 cm / 7"

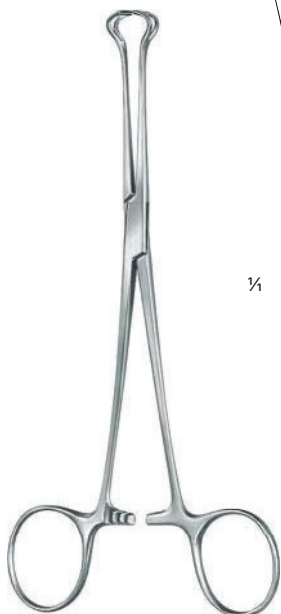


HM 410-20  
21 cm / 8 3/8"

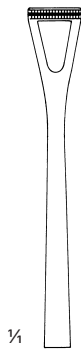


HM 410-25  
24 cm / 9 1/2"

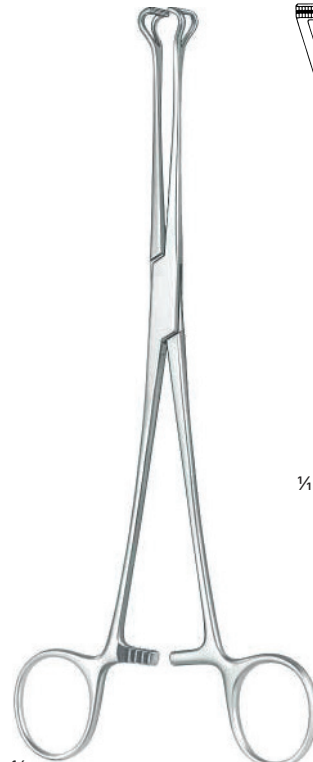
Atraumatic



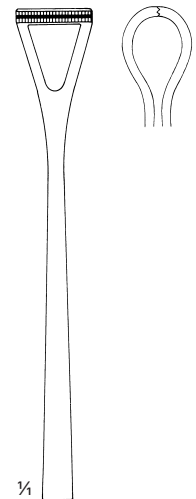
Babcock  
HM 371-16  
16 cm / 6 3/8"

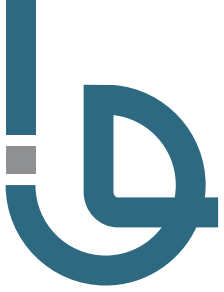


Atraumatic



Babcock  
HM 371-21  
21 cm / 8 3/8"





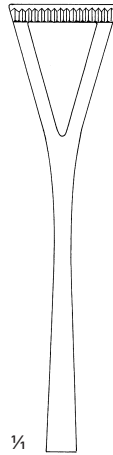
## Clamps

Intestinal and Tissue Grasping Clamps



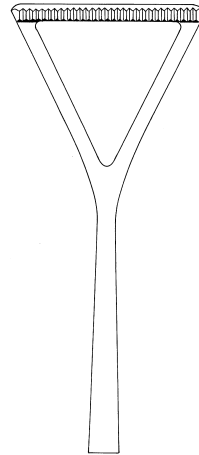
1/2

Duval



1/4

**HM 353-19**  
18 cm / 7 1/8"



**HM 354-20**  
20,5 cm / 8 1/8"

**HM 355-23**  
23 cm / 9"



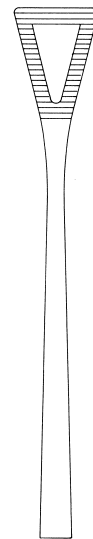
1/2

Pennington



1/4

**HM 421-15**  
15,5 cm / 6 1/8"

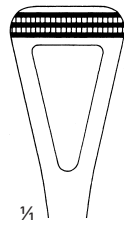


**HM 421-20**  
21 cm / 8 3/8"

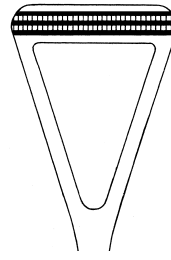
Atraumatic



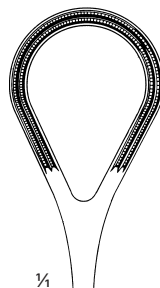
Collin



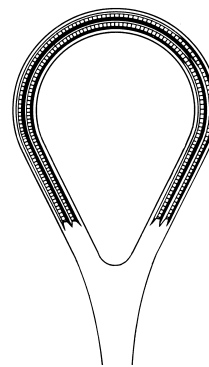
**HM 372-19**  
20,5 cm / 8 1/8"  
medium



**HM 372-23**  
23 cm / 9"  
wide



**CM 250-25**  
25 cm / 9 7/8"



**CM 250-27**  
27 cm / 10 5/8"



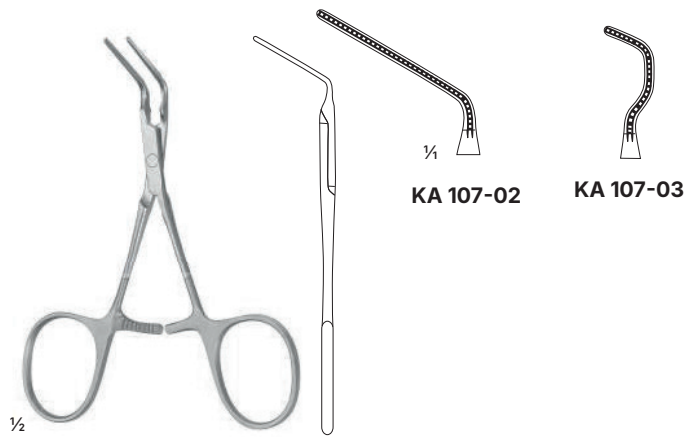
## Clamps

Neonatal Anastomosis and Multi-Purpose Atraumatic Clamps

Atraumatic 



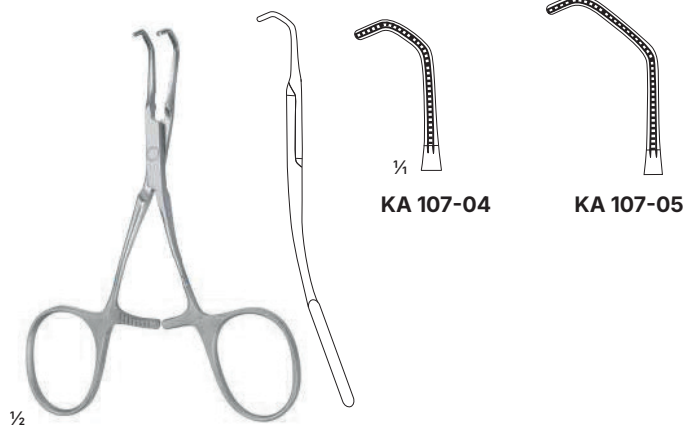
DeBakey  
**KA 107-01**  
10,5 cm / 4 1/8"



DeBakey  
10,5 cm / 4 1/8"

**KA 107-02**

**KA 107-03**



DeBakey

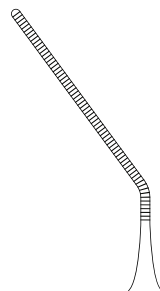
**KA 107-04**

**KA 107-05**

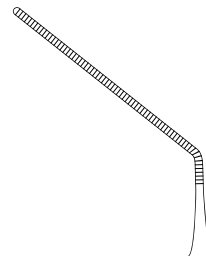
Atraumatic



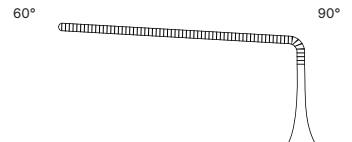
**KA 125-00**  
13 cm / 5 1/8"



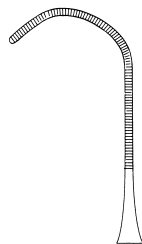
**KA 125-30**  
12,5 cm / 5"



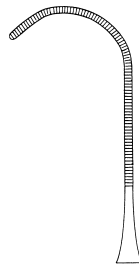
**KA 125-45**  
12 cm / 4 3/8"



**KA 125-90**  
12 cm / 4 3/8"



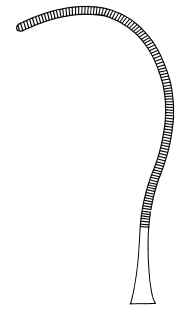
**KA 126-15**  
12 cm / 4 3/8"



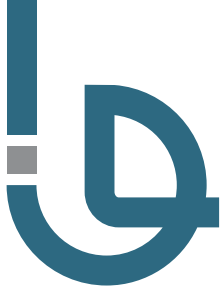
**KA 126-18**  
12 cm / 4 3/8"



**KA 126-23**  
12 cm / 4 3/8"



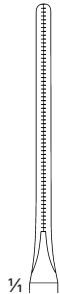
**KA 126-25**  
12 cm / 4 3/8"



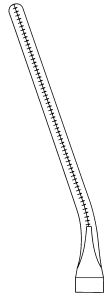
## Clamps

Neonatal Anastomosis and Multi-Purpose Atraumatic Clamps

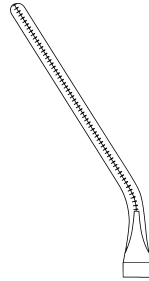
## Atraumatic



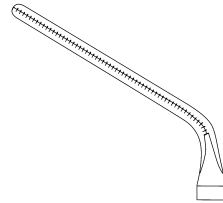
**KA 108-01**  
14 cm / 5 5/8"



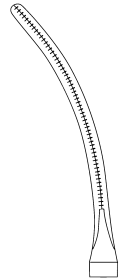
**KA 108-02**  
14 cm / 5 5/8"



**KA 108-03**  
14 cm / 5 5/8"



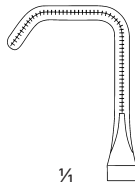
**KA 108-04**  
14 cm / 5 5/8"



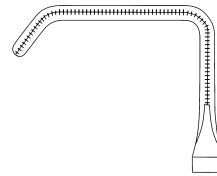
**KA 108-05**  
14 cm / 5 5/8"



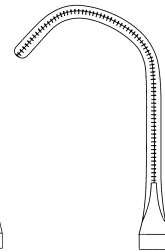
DeBakey



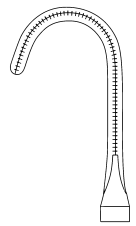
**KA 108-06**  
13 cm / 5 1/8"



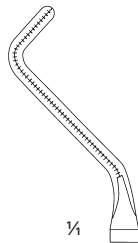
**KA 108-07**  
13 cm / 5 1/8"



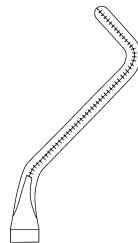
**KA 108-08**  
14 cm / 5 5/8"



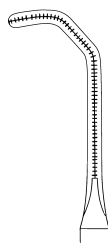
**KA 108-09**  
14 cm / 5 5/8"



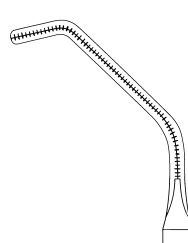
**KA 108-10**  
14 cm / 5 5/8"



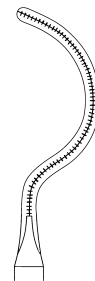
**KA 108-11**  
14 cm / 5 5/8"



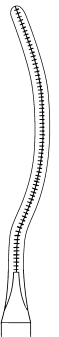
**KA 108-12**  
14 cm / 5 5/8"



**KA 108-13**  
14 cm / 5 5/8"

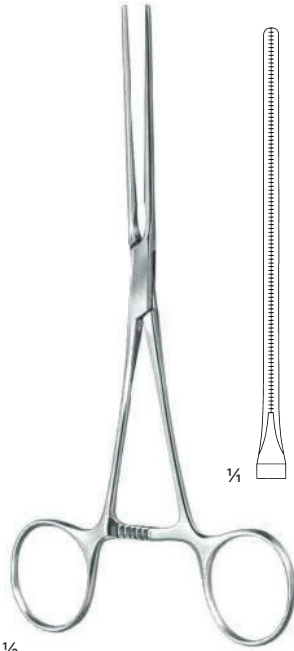


**KA 108-14**  
14 cm / 5 5/8"



**KA 108-15**  
14 cm / 5 5/8"

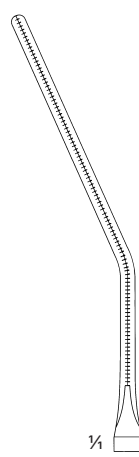
Atraumatic



DeBakey  
**KA 109-01**  
16,5 cm / 6 5/8"



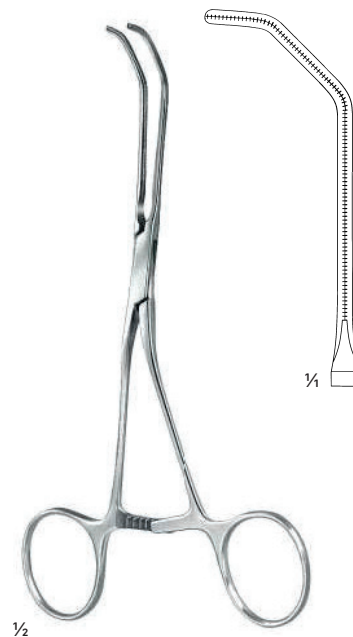
DeBakey  
**KA 109-02**  
16,5 cm / 6 5/8"



DeBakey  
**KA 109-03**  
15,5 cm / 6



DeBakey  
**KA 109-04**  
15,5 cm / 6 "



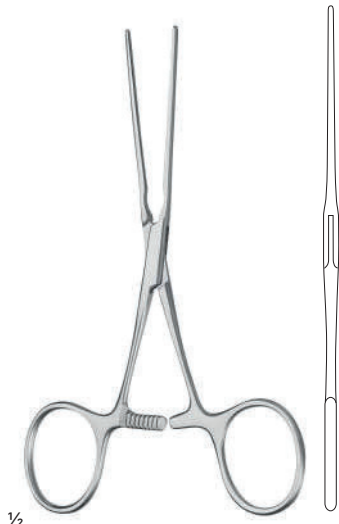
DeBakey  
**KA 109-05**  
16 cm / 6 3/8"



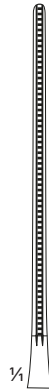
## Clamps

Pediatric Atraumatic Clamps

Atraumatic   
1X2



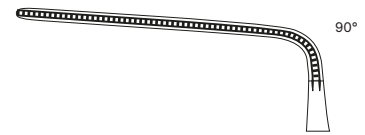
DeBakey



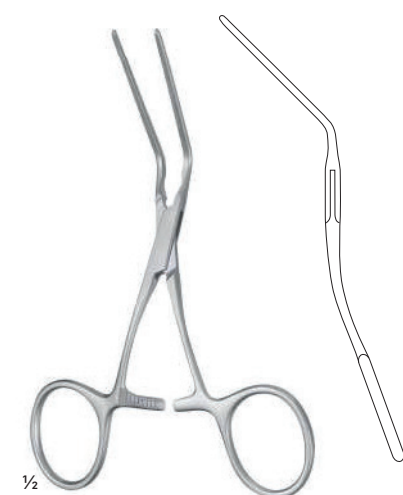
**KA 120-13**  
13,5 cm / 5 3/8"



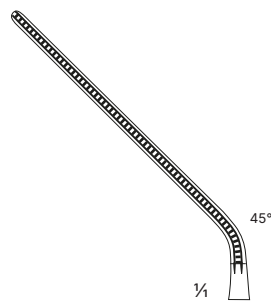
**KA 121-13**  
13 cm / 5 1/8"



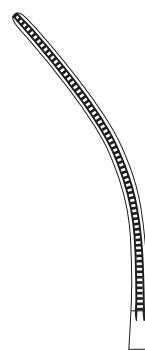
**KA 124-10**  
10 cm / 4 1/8"



DeBakey

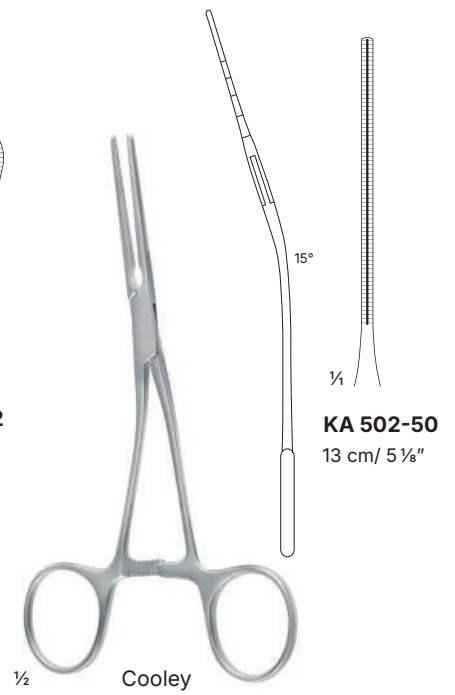
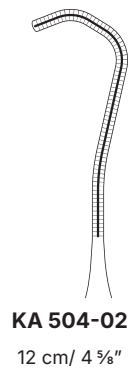
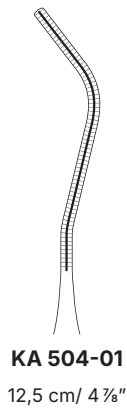
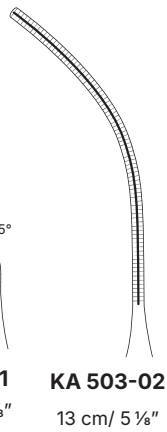
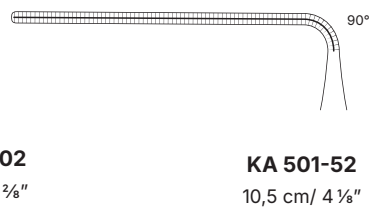
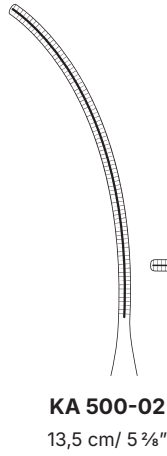
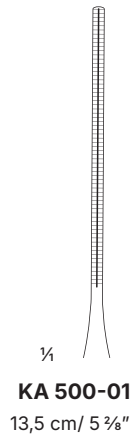
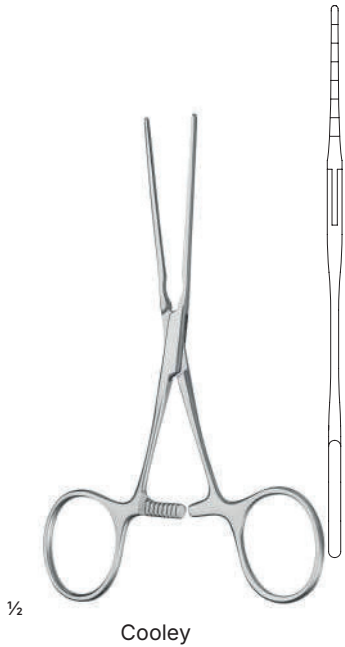


**KA 123-12**  
12 cm / 4 9/8"



**KA 122-12**  
13 cm / 5 1/8"

Atraumatic 

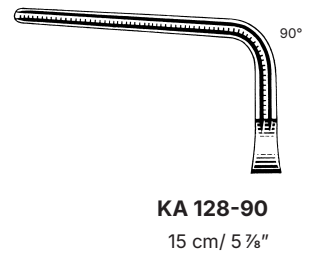
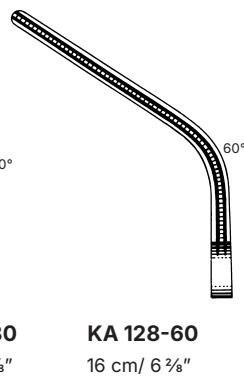
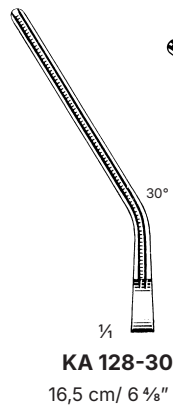
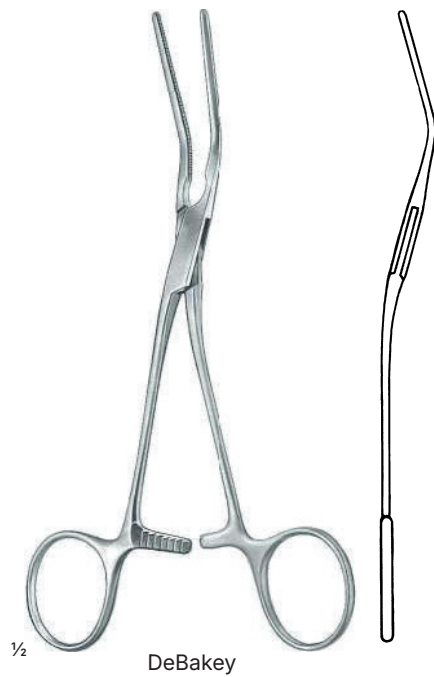
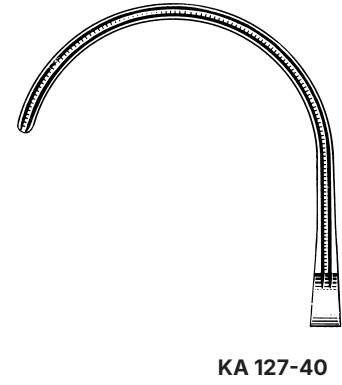
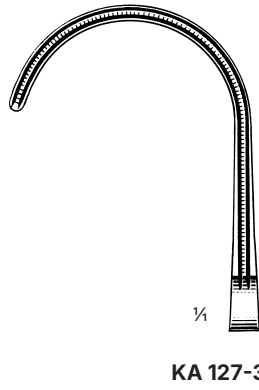
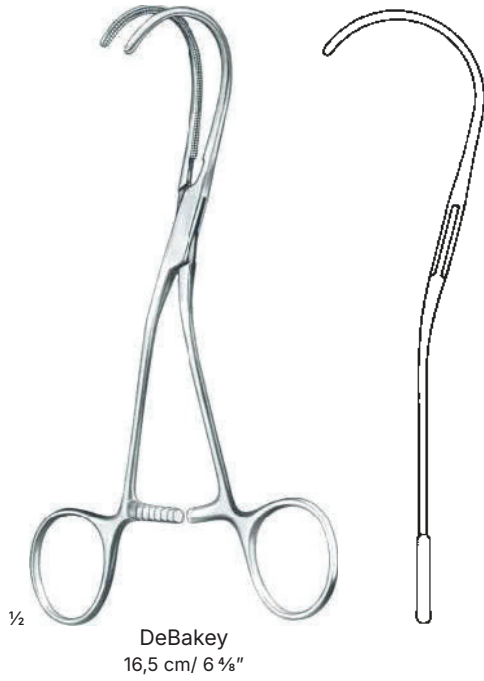




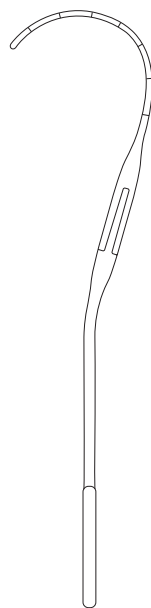
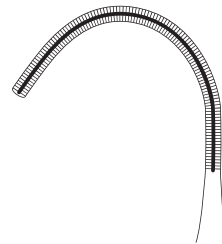
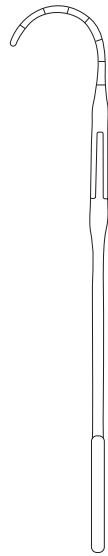
## Clamps

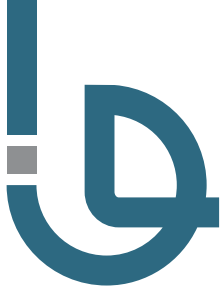
Pediatric Anastomosis and Multi-Purpose Atraumatic Clamps

Atraumatic   
1X2



Atraumatic 





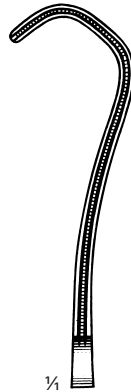
## Clamps

Pediatric Anastomosis and Multi-Purpose Atraumatic Clamps

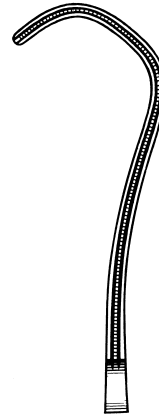
Atraumatic 



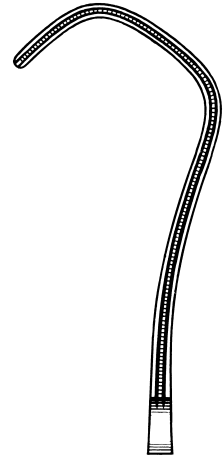
$\frac{1}{2}$   
Derra



$\frac{1}{4}$   
**KA 129-16**  
16,5 cm / 6  $\frac{1}{8}$ "



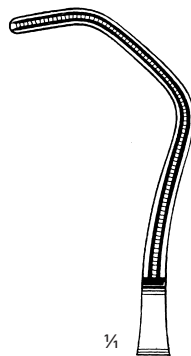
**KA 129-20**  
17 cm / 6  $\frac{1}{8}$ "



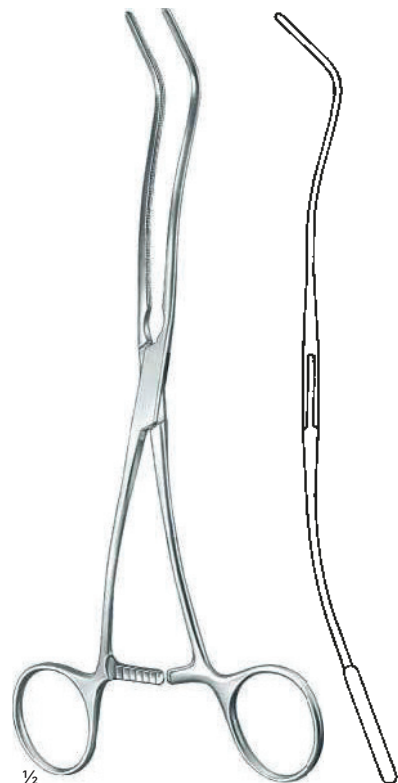
**KA 129-26**  
17,5 cm / 6  $\frac{1}{8}$ "



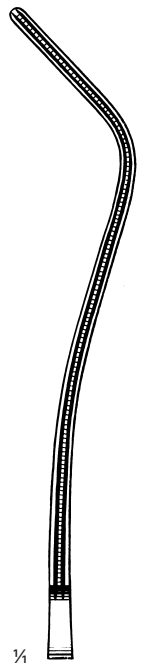
$\frac{1}{2}$   
DeBakey



$\frac{1}{4}$   
**KA 130-16**  
16,5 cm / 6  $\frac{1}{8}$ "

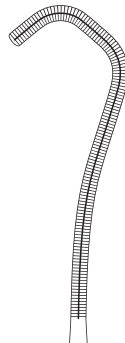
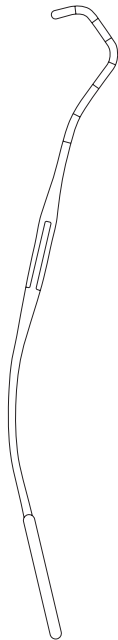


$\frac{1}{2}$   
DeBakey  
**KA 131-20**  
20 cm / 7  $\frac{3}{8}$ "

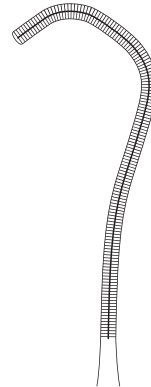


$\frac{1}{4}$

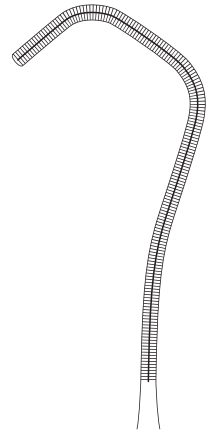
Atraumatic 



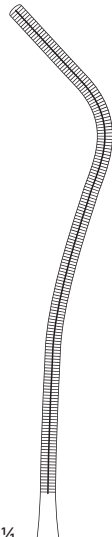
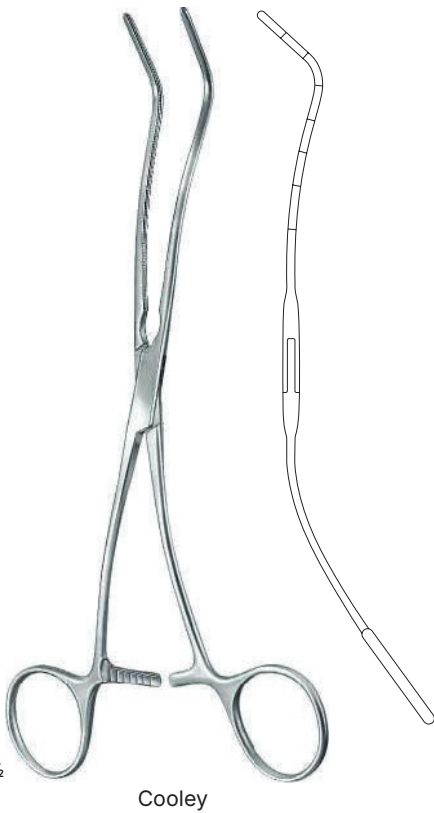
1/2  
**KA 510-01**  
16,5 cm / 6 5/8"



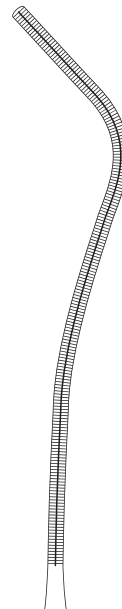
**KA 510-02**  
17 cm / 6 3/4"



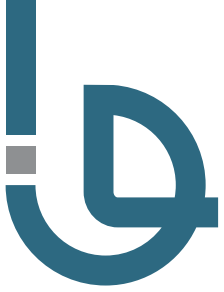
**KA 510-03**  
17,5 cm / 6 7/8"



1/2  
**KA 517-01**  
18,5 cm / 7 1/8"



**KA 517-02**  
19,5 cm / 7 3/4"



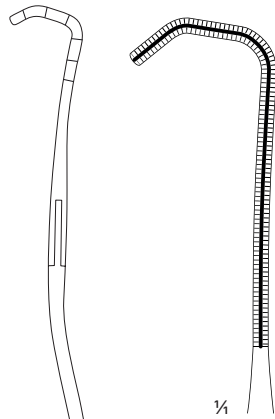
## Clamps

Pediatric Anastomosis and Multi-Purpose Atraumatic Clamps

Atraumatic 



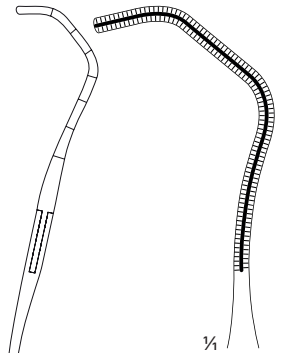
$\frac{1}{2}$   
Cooley  
**KA 515-72**  
17 cm / 6  $\frac{5}{8}$ "



$\frac{1}{4}$



$\frac{1}{2}$   
Cooley  
**KA 516-74**  
16 cm / 6  $\frac{3}{8}$ "



$\frac{1}{4}$

Atraumatic 



$\frac{1}{2}$   
DeBakey-Mosquito  
12,5 cm / 4  $\frac{7}{8}$ "



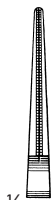
$\frac{1}{4}$   
KA 150-01



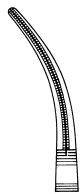
KA 150-02



$\frac{1}{2}$   
DeBakey-Mosquito  
15 cm / 5  $\frac{7}{8}$ "



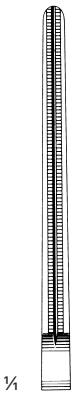
$\frac{1}{4}$   
KA 151-01



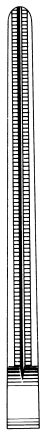
KA 151-02



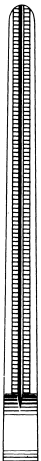
$\frac{1}{2}$   
DeBakey-Pean



$\frac{1}{4}$   
KA 154-01  
16,5 cm / 6  $\frac{5}{8}$ "



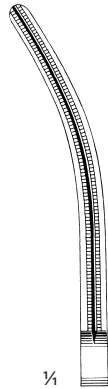
KA 154-18  
18,5 cm / 7  $\frac{3}{8}$ "



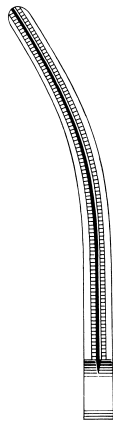
KA 155-01  
20,5 cm / 8  $\frac{1}{8}$ "



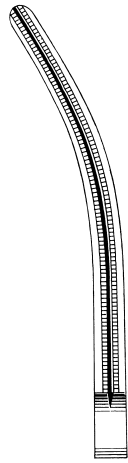
$\frac{1}{2}$   
DeBakey-Pean



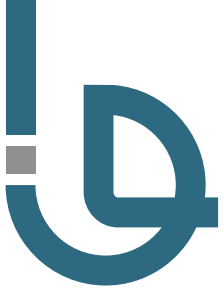
$\frac{1}{4}$   
KA 154-02  
16,5 cm / 6  $\frac{5}{8}$ "



KA 155-18  
18,5 cm / 7  $\frac{3}{8}$ "



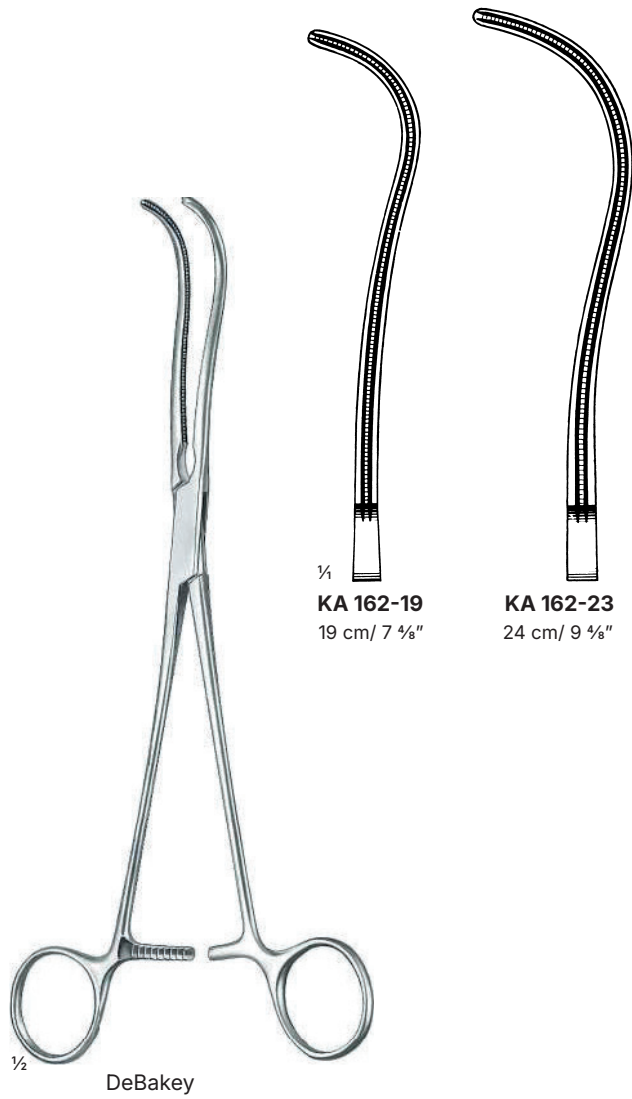
KA 155-02  
20,5 cm / 8  $\frac{1}{8}$ "



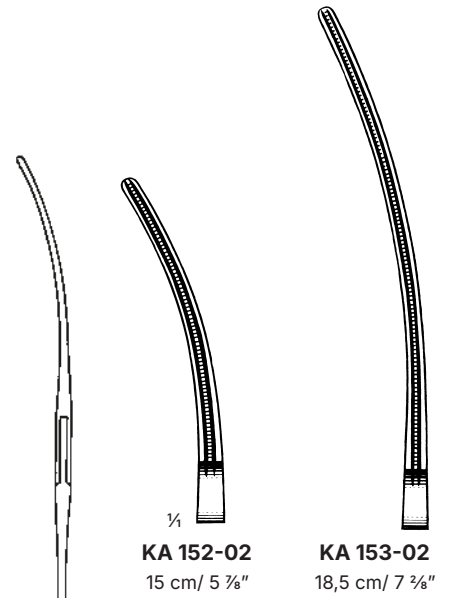
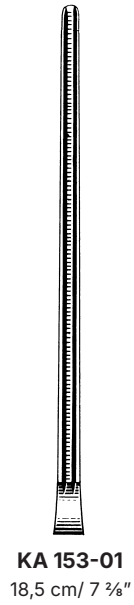
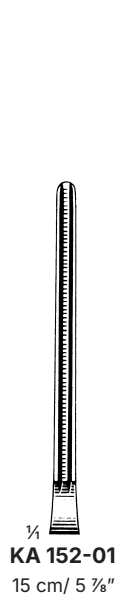
## Clamps

Dissecting and Ligature Atraumatic Clamps

Atraumatic 



Atraumatic 

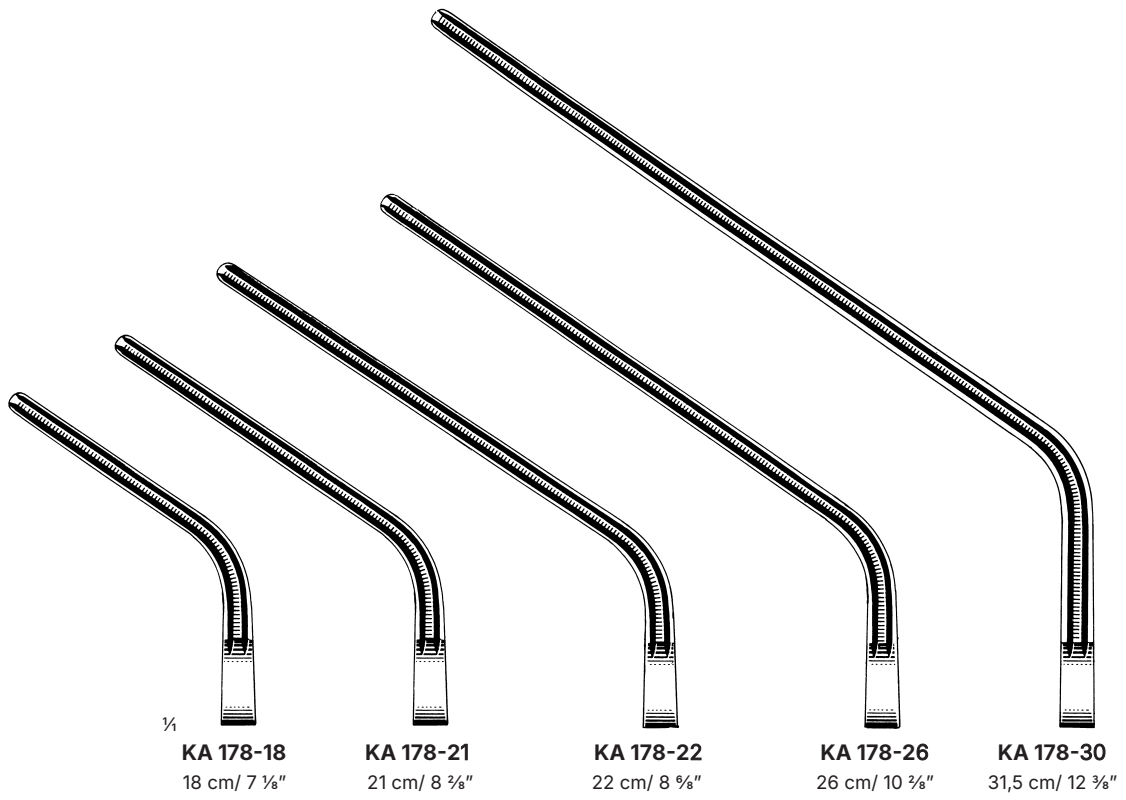




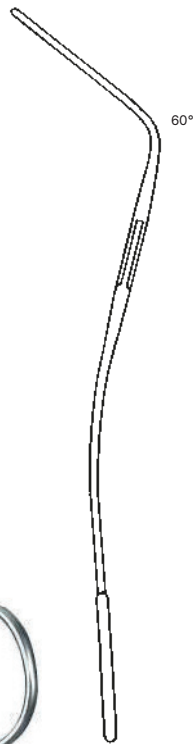
## Clamps

Multi-Purpose Atraumatic Clamps

Atraumatic



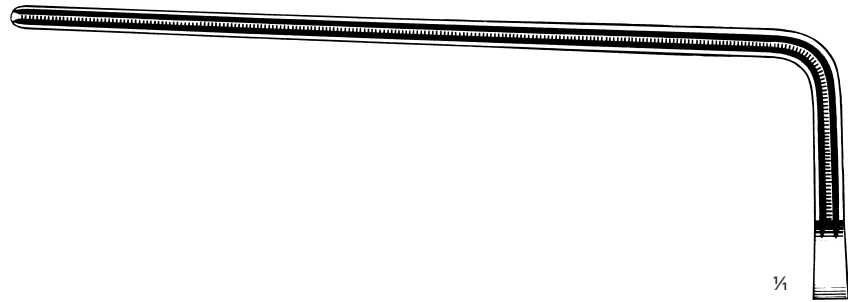
DeBakey



60°

1/2

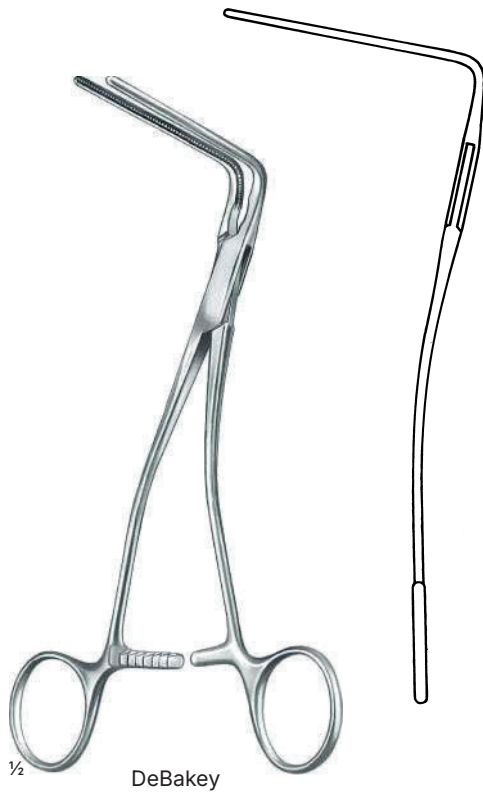
Atraumatic 



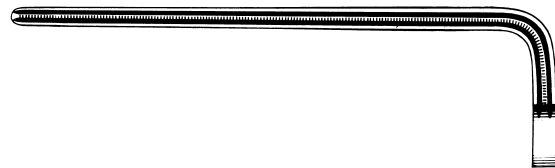
**KA 179-27**  
27 cm/ 10 <sup>5</sup>/<sub>8</sub>"



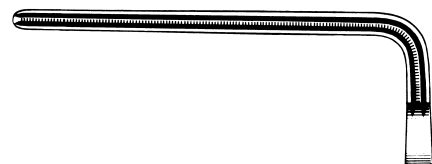
**KA 179-23**  
23 cm/ 9"



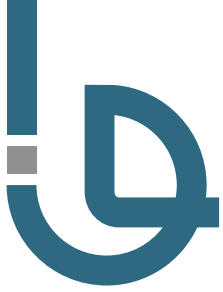
DeBakey



**KA 179-20**  
20 cm/ 7 <sup>7</sup>/<sub>8</sub>"



**KA 179-19**  
19 cm/ 7 <sup>5</sup>/<sub>8</sub>"



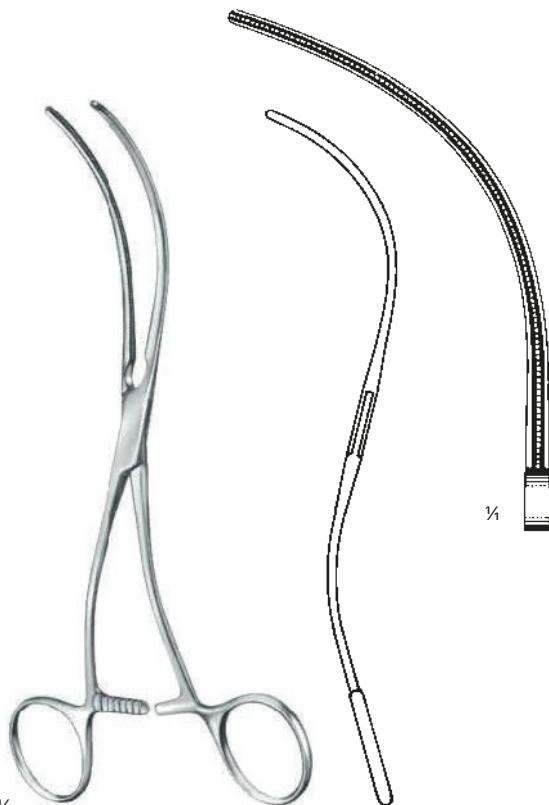
## Clamps

Peripheral Atraumatic Clamps

Atraumatic



DeBakey  
**KA 459-16**  
16 cm / 6 3/8"



DeBakey  
**KA 460-19**  
19 cm / 7 1/2"



DeBakey  
**KA 460-20**  
20 cm / 7 7/8"

Atraumatic 



1/2

Leland-Jones



60°

1/4

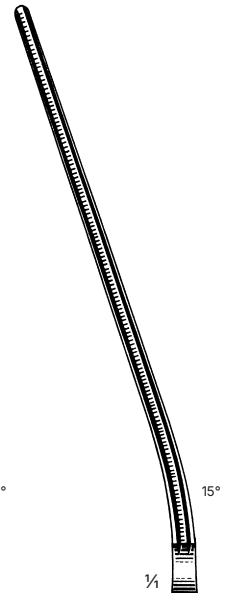
**KA 239-65**  
18 cm / 7 1/8"



30°

1/4

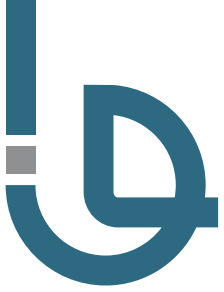
**KA 239-30**  
19 cm / 7 4/8"



15°

1/4

**KA 239-15**  
20 cm / 7 7/8"



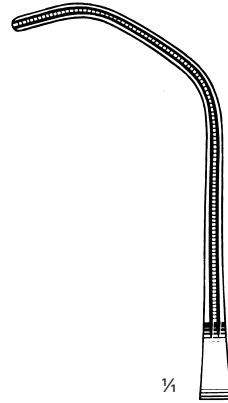
# Clamps

Vena Cava Atraumatic Clamps, Coarctation Atraumatic Clamps

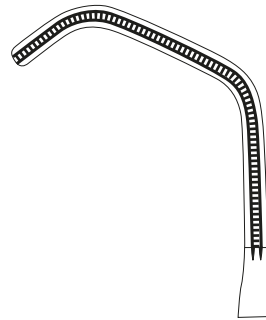
Atraumatic 



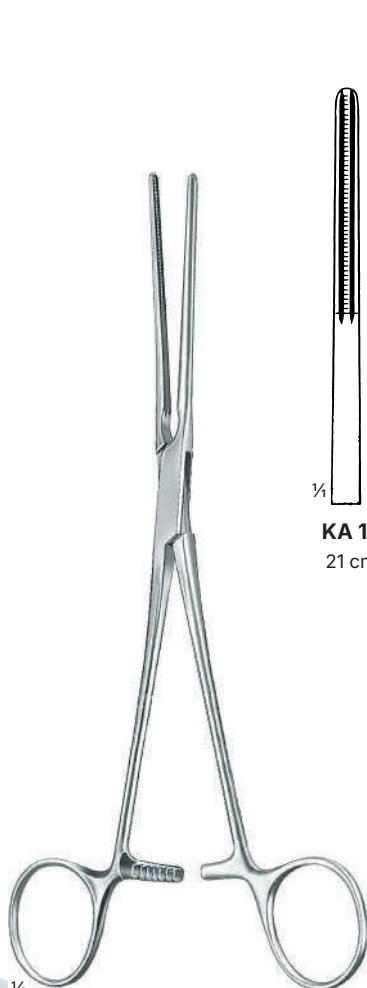
DeBakey-Beck



KA 174-45  
17 cm / 6 5/8"



KA 174-65  
19 cm / 7 1/4"



Potts



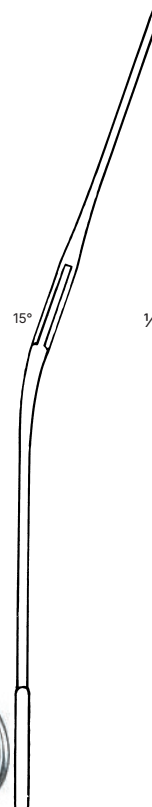
KA 185-20  
21 cm / 8 1/8"



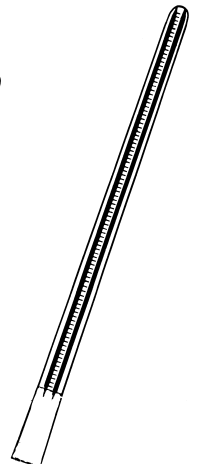
KA 185-22  
22,5 cm / 8 7/8"



Potts



KA 186-20  
20,5 cm / 8"



KA 186-22  
22 cm / 8 5/8"

Atraumatic 



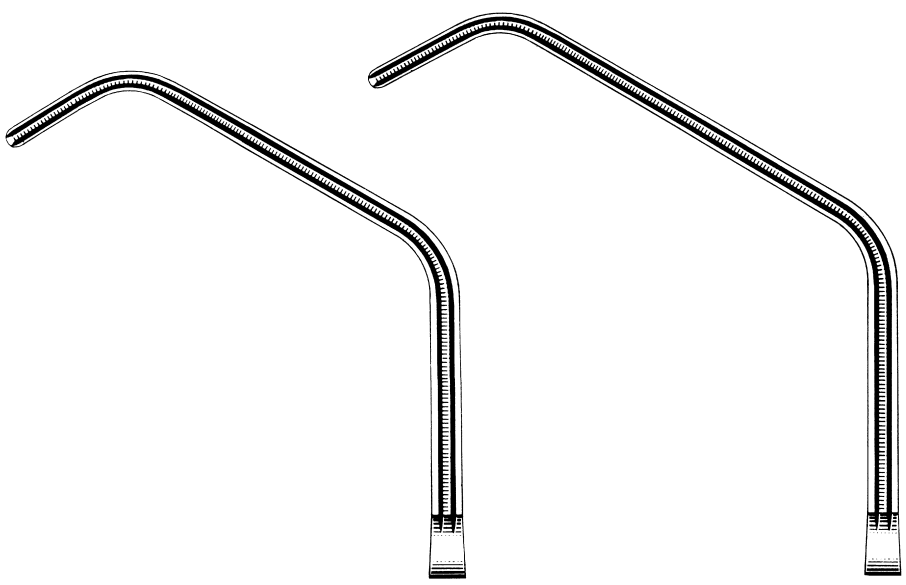
$\frac{1}{4}$   
**KA 180-38**  
22 cm / 8  $\frac{5}{8}$ "

**KA 180-48**  
26 cm / 10  $\frac{3}{8}$ "

**KA 180-54**  
26,5 cm / 10  $\frac{1}{2}$ "

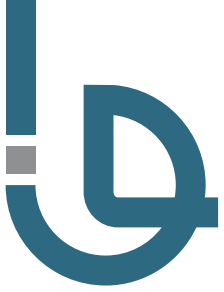


$\frac{1}{2}$   
Satinsky



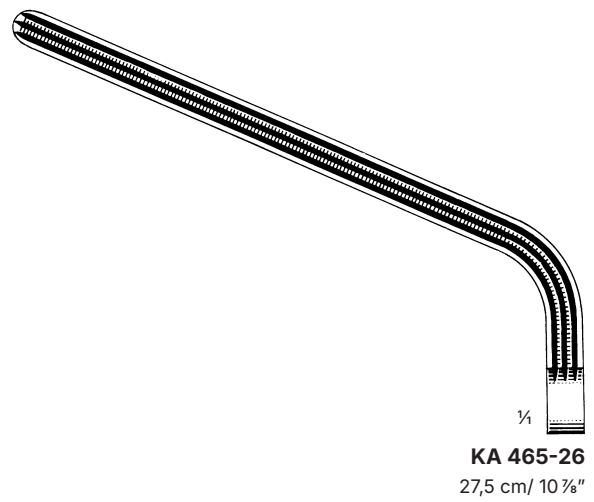
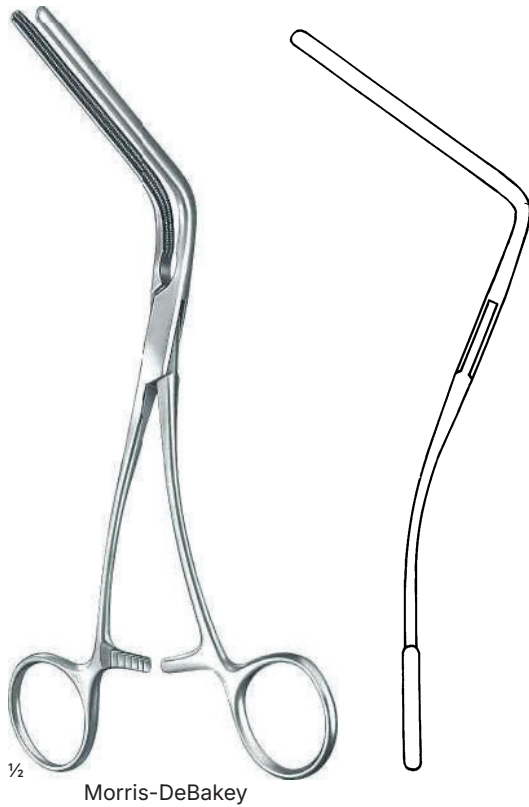
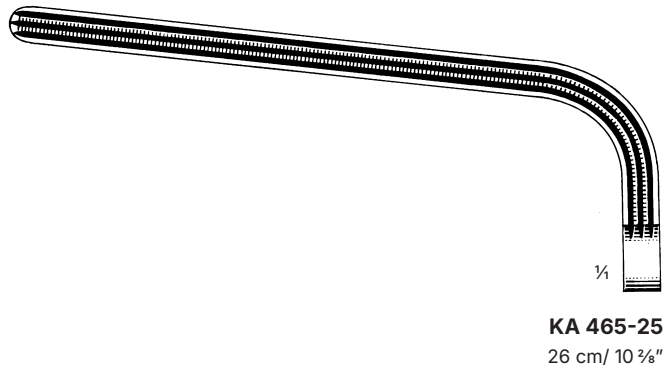
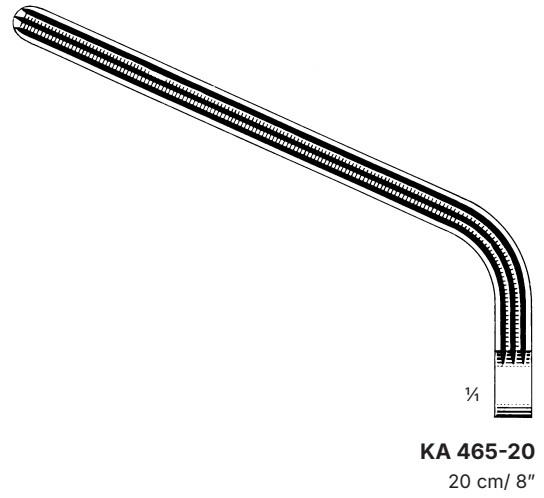
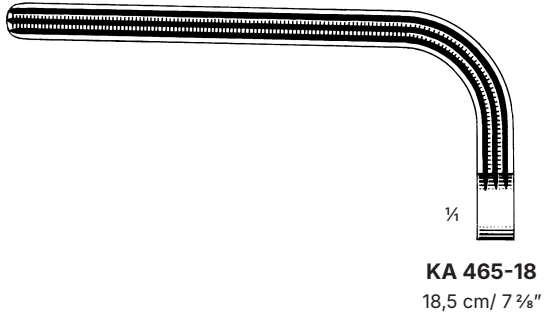
**KA 180-58**  
27,5 cm / 10  $\frac{5}{8}$ "

**KA 180-75**  
28,5 cm / 11  $\frac{3}{8}$ "

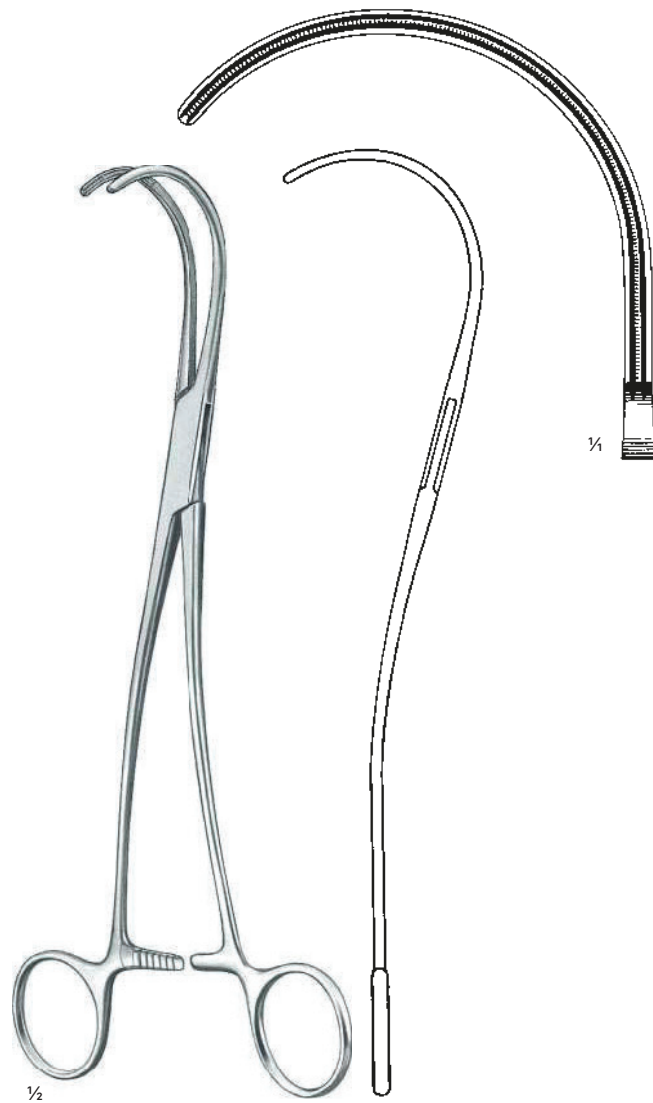


**Clamps**  
Ascending Aorta Cross Clamps

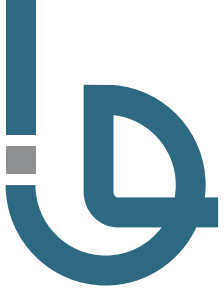
Atraumatic   
2X3



Atraumatic <sup>1x2</sup> 

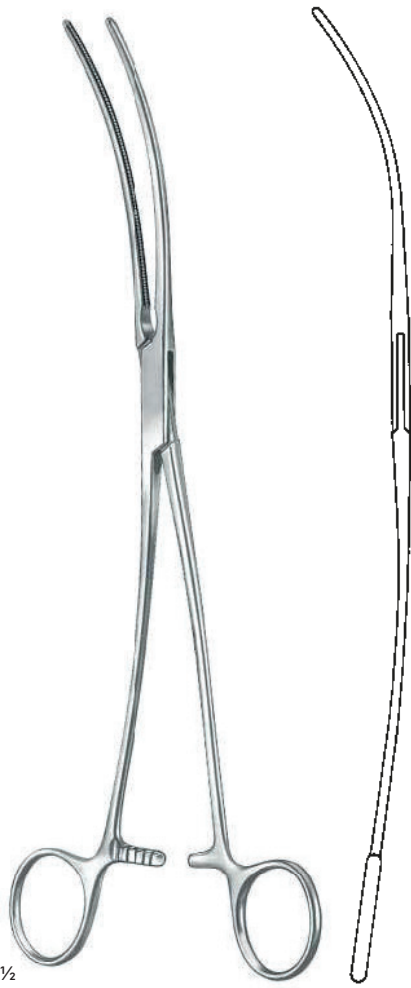


$\frac{1}{2}$   
DeBakey  
**KA 365-27**  
27 cm / 10  $\frac{5}{8}$ "

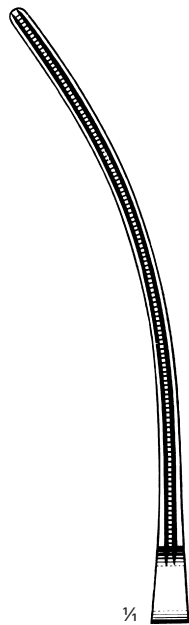


**Clamps**  
Aortic Aneurysm Clamps

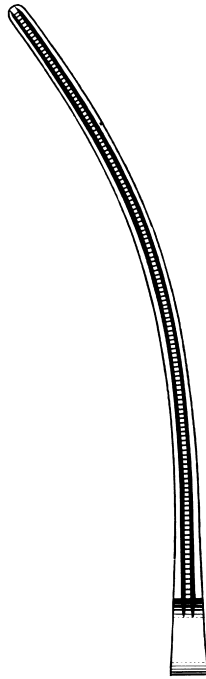
Atraumatic



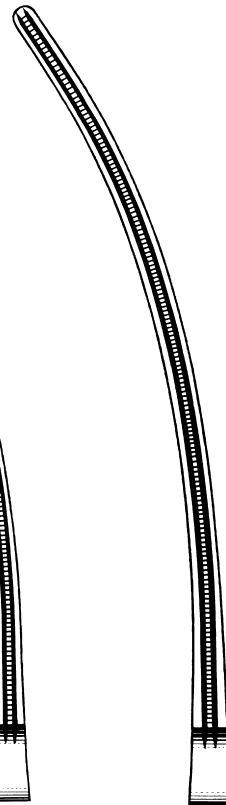
DeBakey



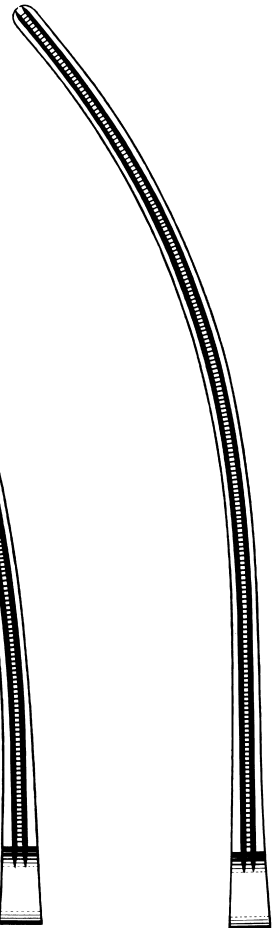
**KA 367-01**  
26 cm / 10 3/8"



**KA 367-02**  
27 cm / 10 5/8"

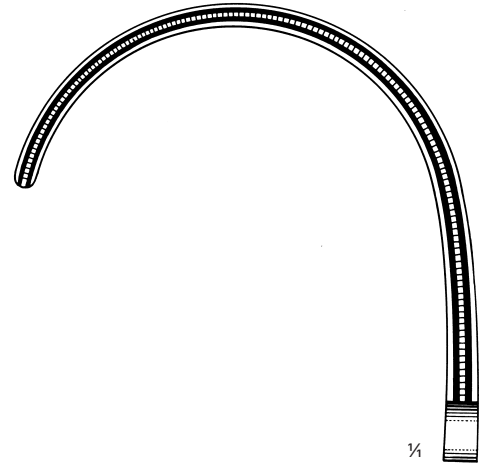
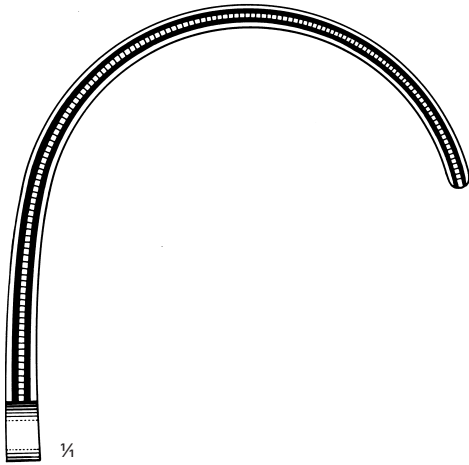


**KA 367-03**  
31 cm / 12 3/8"



**KA 367-04**  
33 cm / 13"

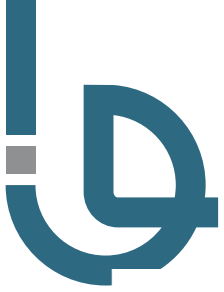
Atraumatic 



Weber  
**KA 369-01**  
24 cm / 9  $\frac{4}{8}$ "



Weber  
**KA 369-02**  
24 cm / 9  $\frac{4}{8}$ "



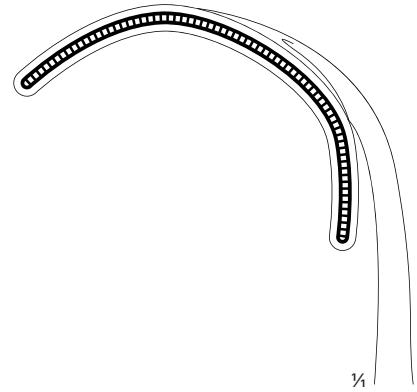
## Clamps

### Aortic Anastomosis Clamps



1/2

Lemole-Strong  
**KA 170-01**  
20.5 cm / 8 1/8"



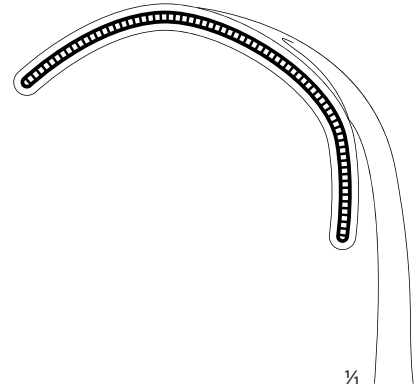
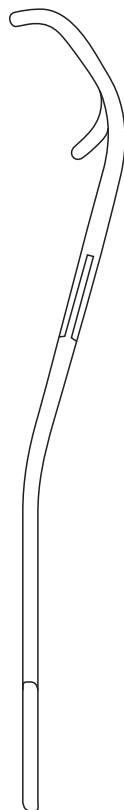
1/4

**KA 170-01**  
25,5 cm / 10 1/8"  
angled shank



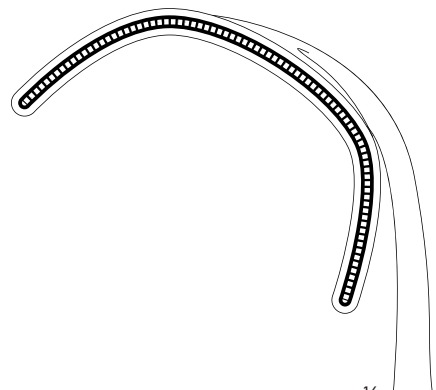
1/2

Lemole-Strong



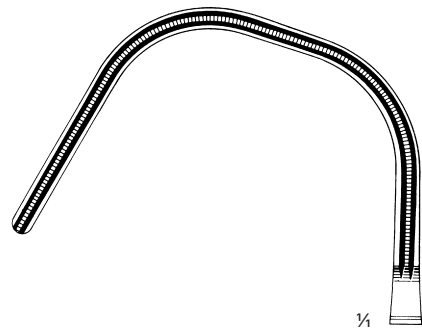
1/4

**KA 170-02**  
20.5 cm / 8 1/8"  
angled shank



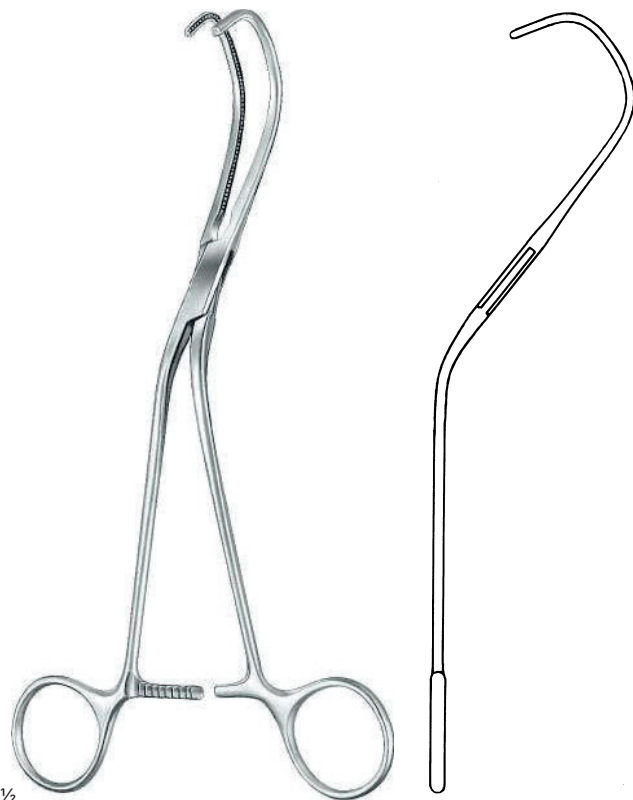
1/4

**KA 170-03**  
25,5 cm / 10 1/8"  
angled shank

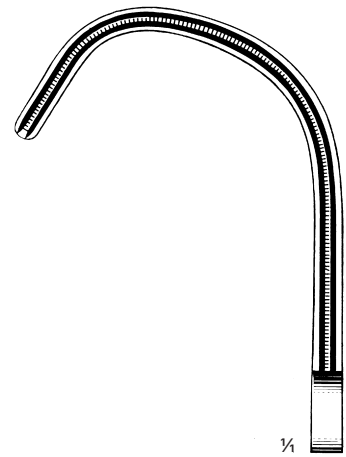


**KA 167-21**

20,5 cm / 8 1/8"

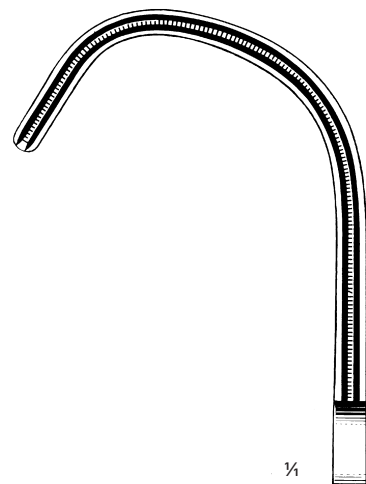


Lambert-Kay



**KA 168-21**

22,5 cm / 9"



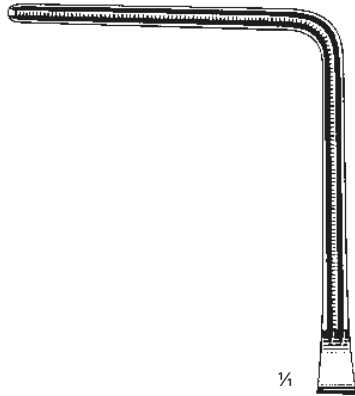
**KA 169-25**

25,5 cm / 10 1/8"



**Clamps**  
Bronchus Clamps

Atraumatic



**KA 362-01**  
23 cm / 9"



**KA 362-02**  
25,5 cm / 10"



**KA 362-03**  
26 cm / 10 3/8"

# Needle Holders and Suture Instruments

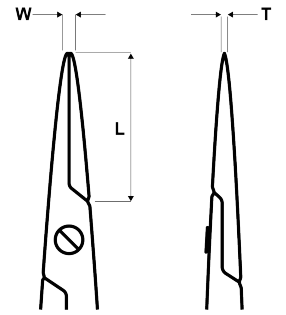
Micro Needle Holders  
Needle Holders  
Suture Hooks



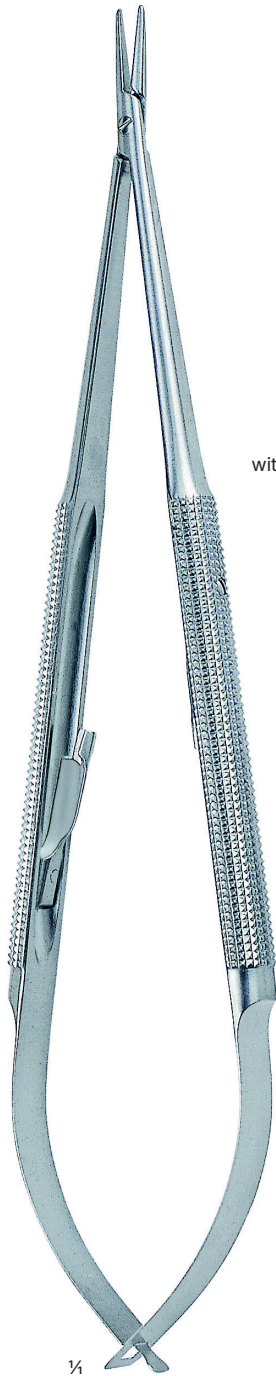


# Needle Holders and Suture Instruments

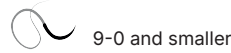
## Micro Needle Holders



Length x Thickness x Width



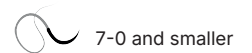
with ratchet



9-0 and smaller  
12 x 0,8 x 1,2 mm



0,3



7-0 and smaller  
13 x 1,3 x 2,0 mm



1/4

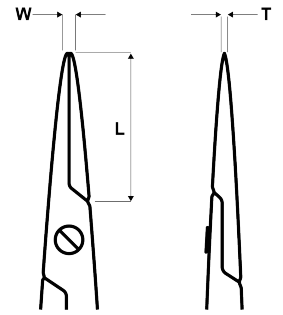


14,5 cm / 5 7/8" **PO 105-14**  
18 cm / 7 1/8" **PO 110-15**  
21 cm / 8 3/8" **PO 117-18**  
23 cm / 9"

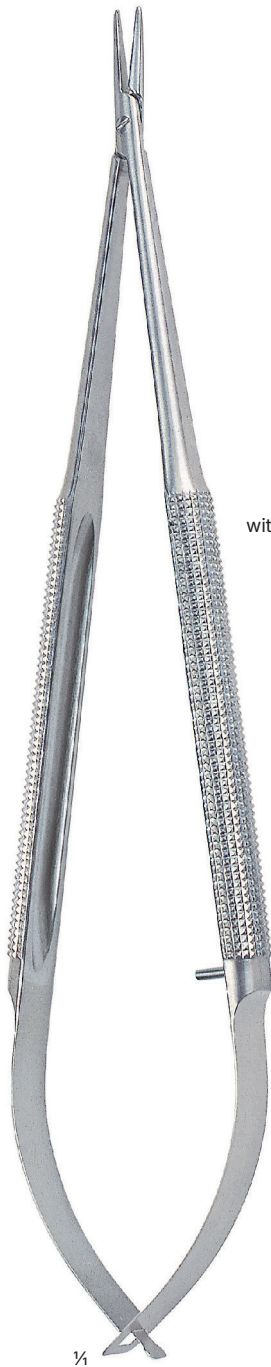
**PO 106-14**  
**PO 111-15**  
**PO 118-18**

**PO 966-01**  
**PO 968-01**  
**PO 970-01**  
**PO 970-03**

**PO 966-02**  
**PO 968-02**  
**PO 970-02**  
**PO 970-04**



Length x Thickness x Width



without ratchet



9-0 and smaller

12 x 0,8 x 1,2 mm



0,3



7-0 and smaller

13 x 1,3 x 2,0 mm



14,5 cm / 5 7/8"

**PO 104-13**

**PO 107-18**

**PO 965-01**

**PO 965-02**

18 cm / 7 1/8"

**PO 108-15**

**PO 109-15**

**PO 967-01**

**PO 967-02**

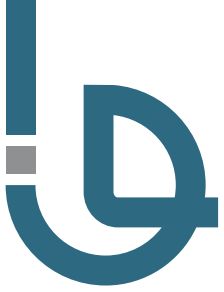
21 cm / 8 3/8"

**PO 115-18**

**PO 116-18**

**PO 969-01**

**PO 969-02**



## Needle Holders and Suture Instruments

Micro Needle Holders



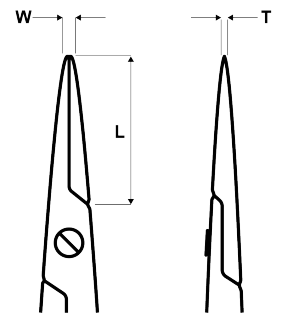
with ratchet

18 cm / 7 1/8"

23 cm / 9"

1/4


Heavy Pattern



Length x Thickness x Width

 **TC**

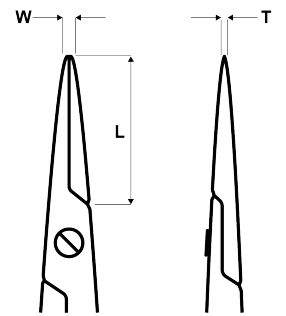
 0,3

 6-0 and smaller  
17x2,0x3,0 mm

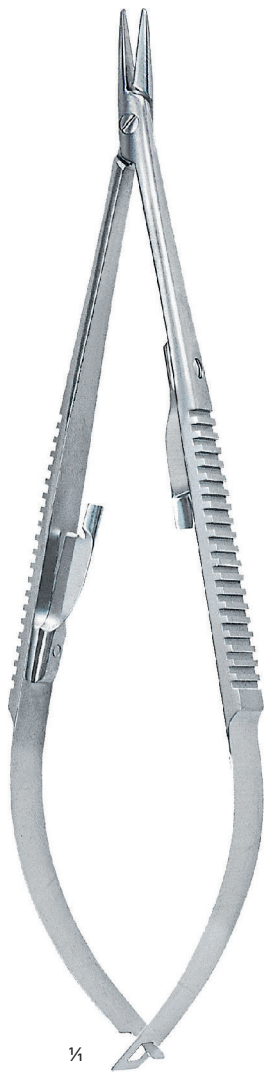


**PO 921-18**

**PO 921-23**



Length x Thickness x Width



Castroviejo



7-0 and smaller

12 x 1,2 x 1,6 mm



with ratched

without ratched



with ratched

without ratched

14 cm/ 5 5/8" **PO 121-09**

**PO 119-09**

**PO 122-09**

**PO 120-09**

18 cm/ 7 1/8" **PO 127-14**

**PO 123-14**

**PO 128-14**

**PO 124-14**

21 cm/ 8 3/8" **PO 132-16**

**PO 131-16**

**PO 132-18**

**PO 131-18**



0,3



6-0 and smaller

13 x 1,6 x 2,3 mm



with ratched

without ratched



with ratched

without ratched

14 cm/ 5 5/8" **PO 952-14**

**PO 950-14**

**PO 953-14**

**PO 951-14**

18 cm/ 7 1/8" **PO 956-18**

**PO 954-18**

**PO 957-18**

**PO 955-18**

21 cm/ 8 3/8" **PO 959-01**

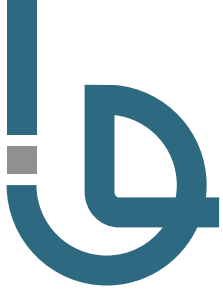
**PO 958-01**

**PO 959-02**

**PO 958-02**

23 cm/ 9" **PO 959-03**

**PO 959-04**




# Needle Holders and Suture Instruments

## Needle Holders

 TC

 0.4


 4-0 - 6-0

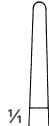
 1/4



1/2  
**Derf**  
**PO 910-12**  
12,5 cm / 4 3/8"

 smooth

 5-0 - 12-0

 1/4

**PO 915-13**  
13 cm / 5 1/8"



1/2  
**Halsey**

 0.4

 4-0 - 6-0

 1/4

**PO 916-13**  
13 cm / 5 1/8"



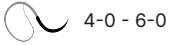

 smooth

 5-0 - 12-0

 1/4



1/2  
**Webster**  
**PO 914-13**  
13 cm / 5 1/8"



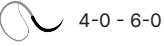

**Hegar-Baumgartner**  
**PO 916-14**  
14 cm / 5 5/8"



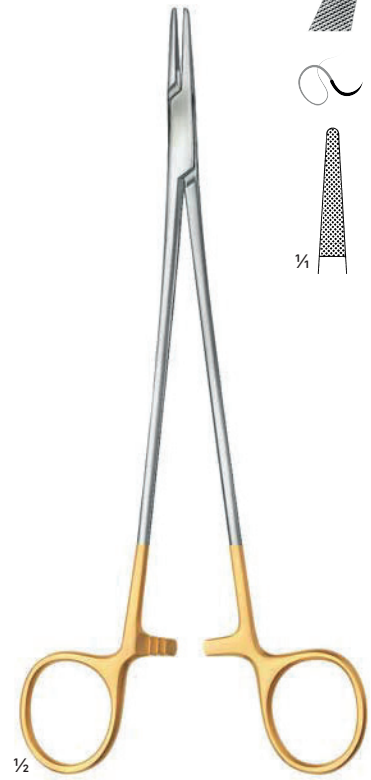

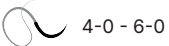





**Kilner**  
**PO 912-13**  
13,5 cm / 5 3/8"

**Crile Wood**  
**PO 919-15**  
15 cm / 5 7/8"

**PO 920-18**  
18 cm / 7"

**PO 920-20**  
20 cm / 8 1/8"

**PO 920-23**  
23 cm / 9 1/8"


**Crile Wood**





# Needle Holders and Suture Instruments

## Needle Holders


 TC


 0.5


 4-0 and smaller

  
1/2 Mayo-Hegar

Model	Length (cm)	Length (in)
PO 900-16	16	6 3/8"
PO 900-18	18	7 1/8"
PO 900-20	20	7 7/8"
PO 900-24	24	9 3/8"
PO 900-26	26	10 3/8"
PO 900-30	30	11 7/8"

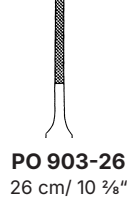
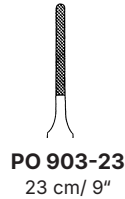
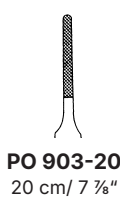
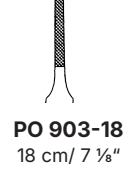
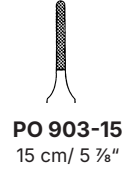
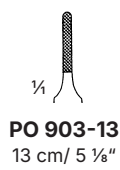
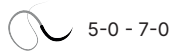
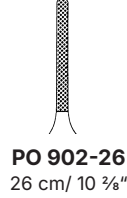
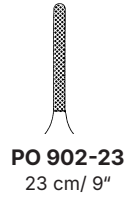
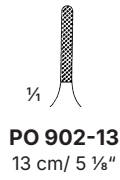
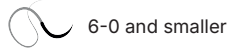
 0.4

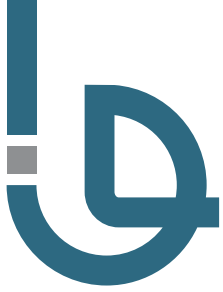
 6-0 and smaller

  
1/2 DeBaKey

Model	Length (cm)	Length (in)
PO 901-15	15	5"
PO 901-18	18	7 1/8"
PO 901-20	20,5	8 1/8"
PO 901-23	23	9"
PO 901-26	26,5	10 3/8"
PO 901-31	31	12 3/8"

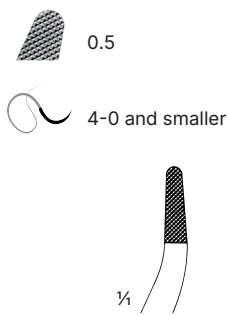
TC





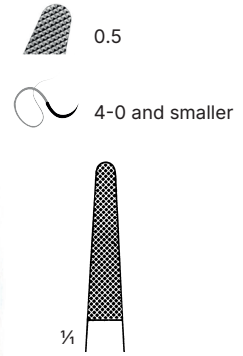
## Needle Holders and Suture Instruments

### Needle Holders



1/2

Stratte  
**PO 970-23**  
23 cm/ 9"



1/2

Wangenstein  
**PO 981-27**  
27 cm/ 10 5/8"

 TC



0.5



4-0 and smaller



1/4

Mathieu



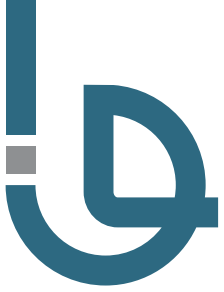
**PO 926-14**  
14 cm / 5 1/2"



**PO 926-17**  
17 cm / 6 5/8"

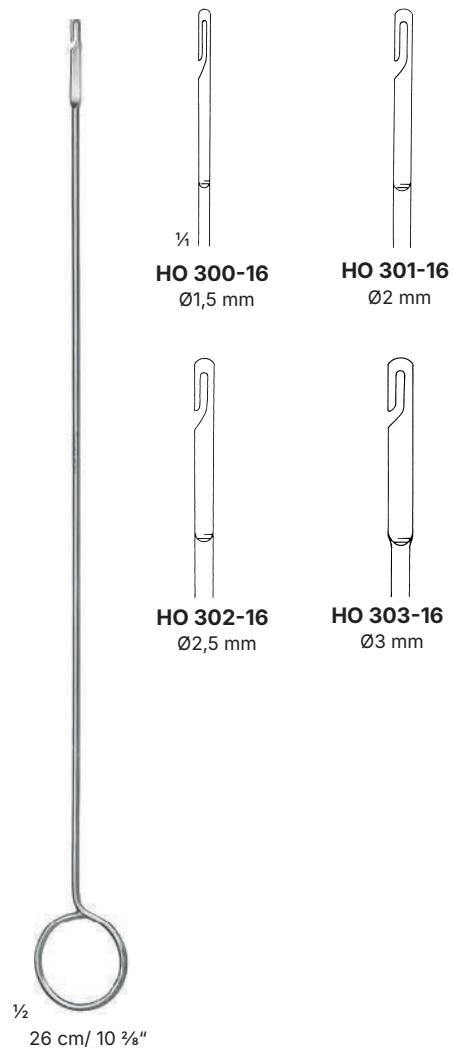


**PO 926-20**  
20 cm / 7 7/8"



## Needle Holders and Suture Instruments

### Suture Hooks



# Spreading Instruments

Hooks

Rake Retractors

Saddle Retractors  
Retractors

Double Ended Retractors

Bone Retractor

Lung Spatulas

Scapula Retractors

Aortic Valve Retractors

Atrium Retractors

Abdominal Retractors

Spatulas

Self-Retaining Wound Retractors

Self-Retaining Abdominal Retractors

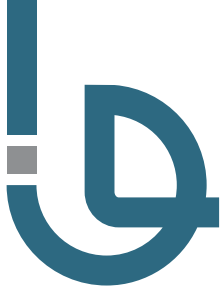
Retractor Blades

Central Blades

Self-Retaining Abdominal

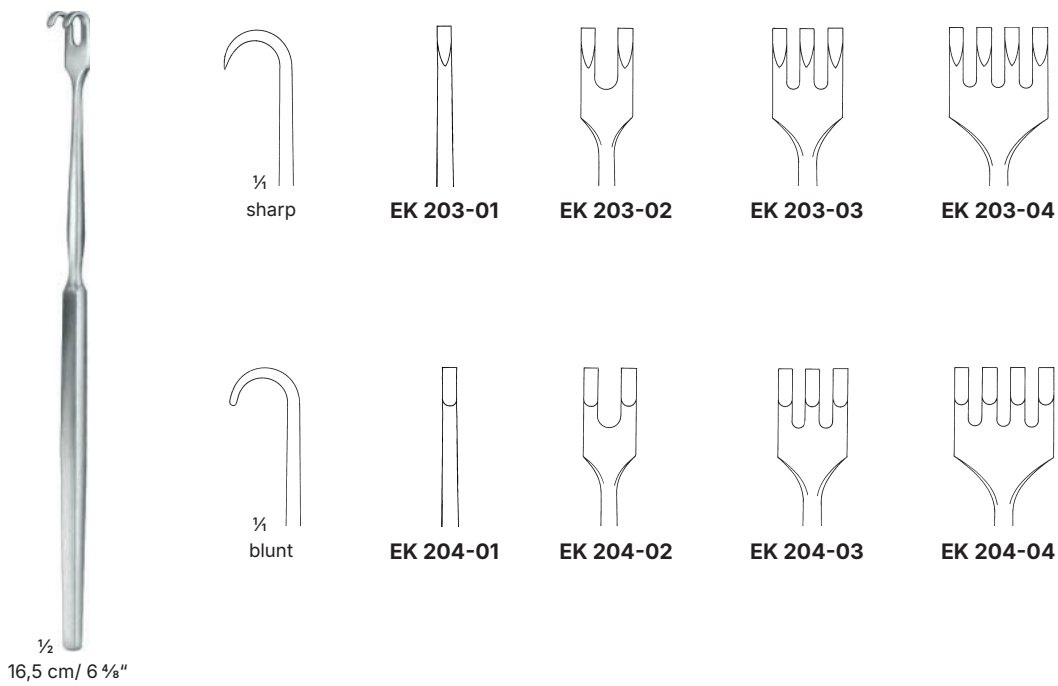
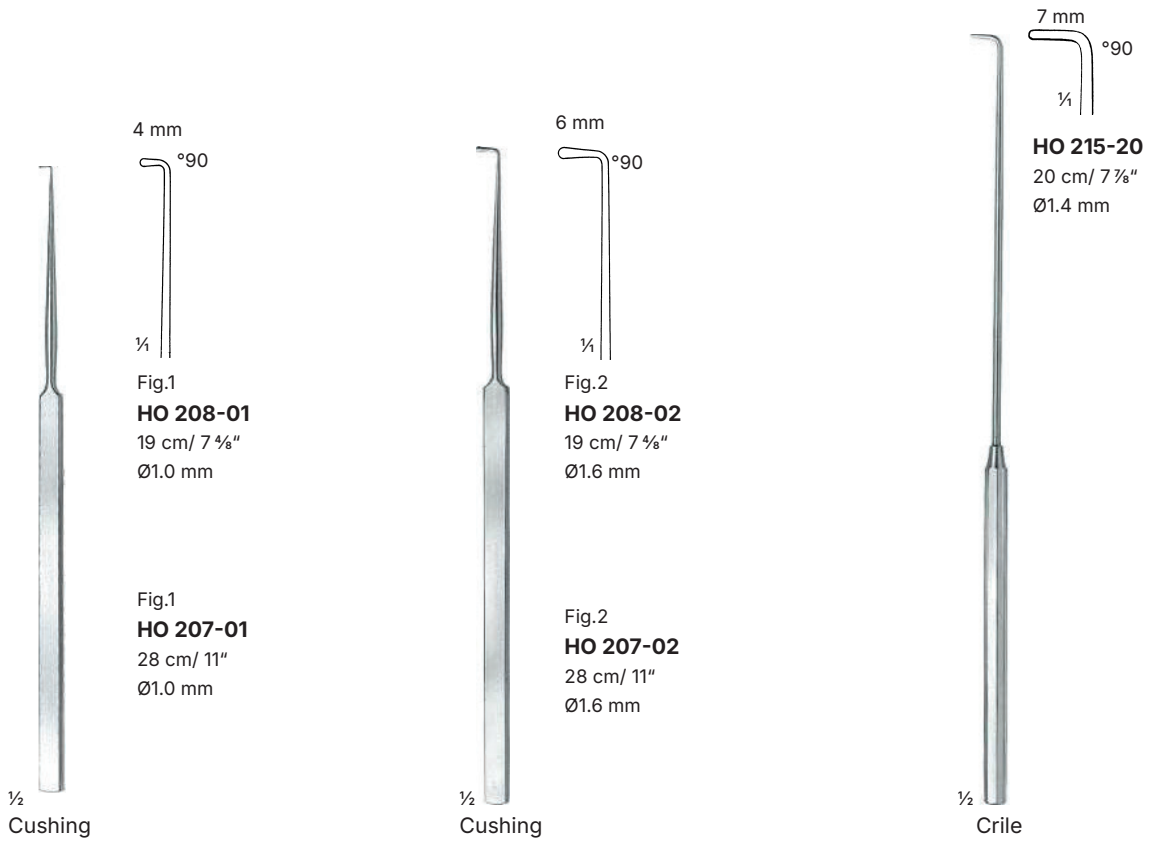
Retractor Frames





## Spreading Instruments

Hooks, Rake Retractors





$\frac{1}{2}$   
Senn-Green  
16 cm/ 6  $\frac{3}{8}$ "



$\frac{1}{4}$   
Fig.1  
EK 214-10  
10×6 mm



Fig.2  
EK 214-20  
20×6 mm



$\frac{1}{2}$   
Mini-Langenbeck  
16 cm/ 6  $\frac{3}{8}$ "



$\frac{1}{4}$   
EK 215-10  
12×6 mm



EK 215-17  
18×6 mm



EK 215-20  
20×6 mm



EK 215-22  
21×8 mm



$\frac{1}{2}$   
Desmarres  
16 cm/ 6  $\frac{3}{8}$ "

$\frac{1}{4}$



$\frac{1}{4}$   
EK 217-08  
8 mm



EK 217-10  
10 mm



EK 217-12  
12 mm



EK 217-14  
14 mm



EK 217-16  
16 mm



EK 217-18  
18 mm

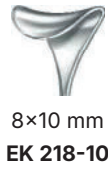


## Spreading Instruments

### Saddle Retractors



8×8 mm  
EK 218-08



8×10 mm  
EK 218-10



8×8 mm  
EK 219-08



8×10 mm  
EK 219-10



1/2  
Cushing  
20,5 cm / 8 1/8"



8×12 mm  
EK 218-12



10×14 mm  
EK 218-14



8×12 mm  
EK 219-12



10×14 mm  
EK 219-14



10×16 mm  
EK 218-16



10×18 mm  
EK 218-18



10×16 mm  
EK 219-16



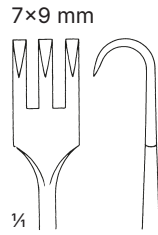
10×18 mm  
EK 219-18



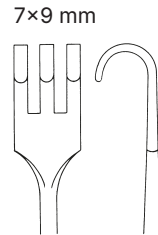
1/2  
Cushing  
24 cm / 9 4/8"



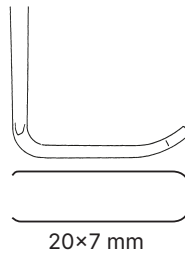
1/2  
Senn-Miller  
16 cm / 6 3/8"



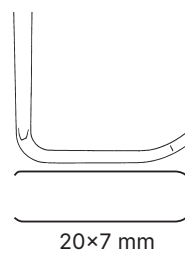
7x9 mm  
EK 224-16  
sharp prongs



7x9 mm  
EK 225-16  
blunt prongs



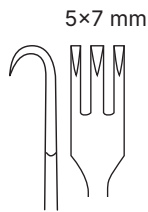
20x7 mm



20x7 mm



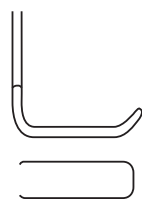
1/2  
Baby Senn-Miller  
15 cm / 5 7/8"



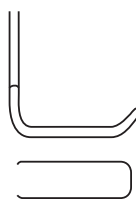
5x7 mm  
EK 222-15  
sharp prongs



5x7 mm  
EK 223-15  
blunt prongs



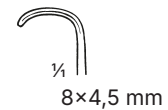
15x5 mm



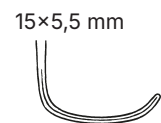
15x5 mm



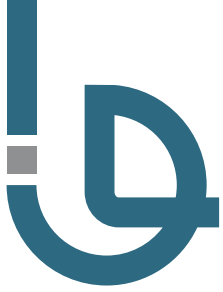
1/2  
Ragnell-Davis  
EK 226-14  
15 cm / 5 7/8"



1/2  
8x4,5 mm



15x5,5 mm



## Spreading Instruments

### Double Ended Retractors



1/2

Roux

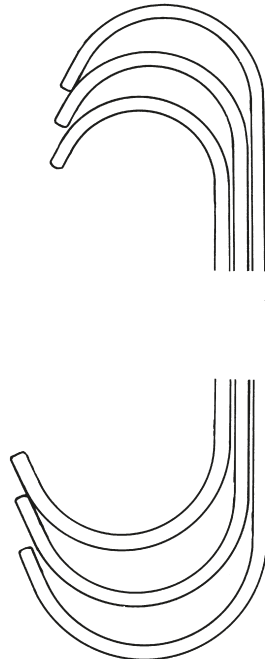


Fig.1-3  
**EK 396-00**  
17 cm / 6 5/8"  
Set

Fig.1  
22×21 mm  
27×29 mm  
**EK 396-01**  
14,5 cm / 5 3/4"

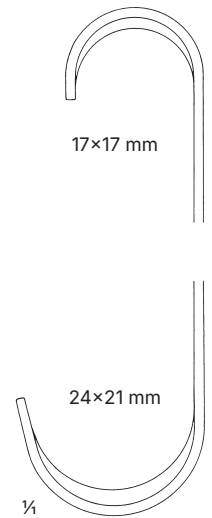
Fig.2  
25×26 mm  
30×38 mm  
**EK 396-02**  
16 cm / 6 1/4"

Fig.1  
28×29 mm  
33×43 mm  
**EK 396-03**  
17 cm / 6 5/8"



1/2

Roux-Baby  
**EK 396-04**  
12,5 cm / 4 7/8"



17×17 mm

24×21 mm

1/4



1/2

Farabeuf  
**EK 397-00**  
12 cm / 4 5/8"

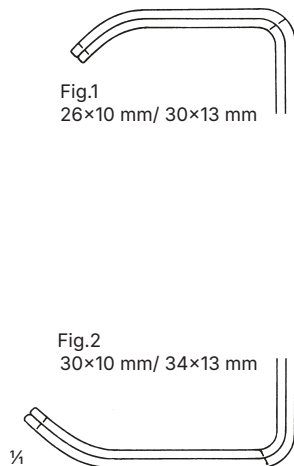


Fig.1  
26×10 mm / 30×13 mm

Fig.2  
30×10 mm / 34×13 mm



1/2

Farabeuf  
**EK 398-00**  
15,5 cm / 6 1/8"

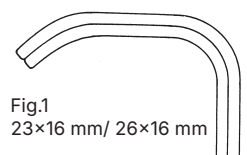


Fig.1  
23×16 mm / 26×16 mm

Fig.2  
27×16 mm / 30×16 mm

1/4



1/2  
Parker  
**EK 399-00**  
14 cm / 5 1/2"

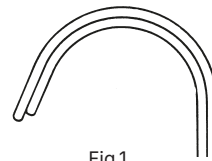
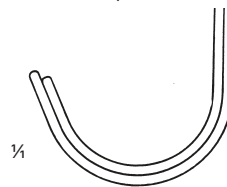


Fig.1  
19x15 mm / 19x15 mm

Fig.2  
22x15 mm / 22x15 mm



1/4



1/2  
Parker-Langenbeck  
**EK 401-00**  
21,5 cm / 8 1/2"

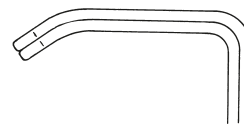
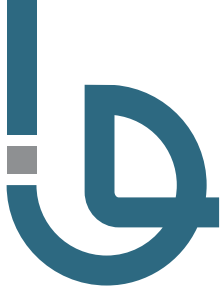


Fig.1  
21x15 mm / 40x15 mm

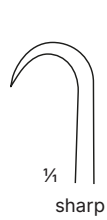
Fig.2  
25x15 mm / 45x15 mm



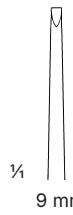


## Spreading Instruments

### Rake Retractors



1/4  
sharp



1/4  
9 mm

**EK 229-01**



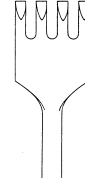
9x8 mm

**EK 229-02**



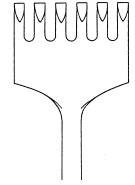
9x13 mm

**EK 229-03**



9x19 mm

**EK 229-04**

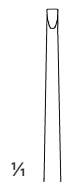


9x29 mm

**EK 229-06**



1/4  
semi-sharp



1/4  
8.5 mm

**EK 230-01**



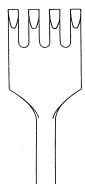
8.5x8 mm

**EK 230-02**



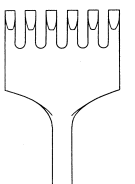
8.5x13 mm

**EK 230-03**



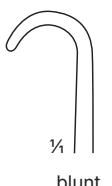
8.5x19 mm

**EK 230-04**

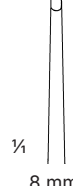


8.5x29 mm

**EK 230-06**



1/4  
blunt



1/4  
8 mm

**EK 231-01**



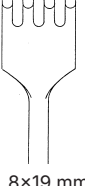
8x8 mm

**EK 231-02**



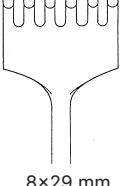
8x13 mm

**EK 231-03**



8x19 mm

**EK 231-04**

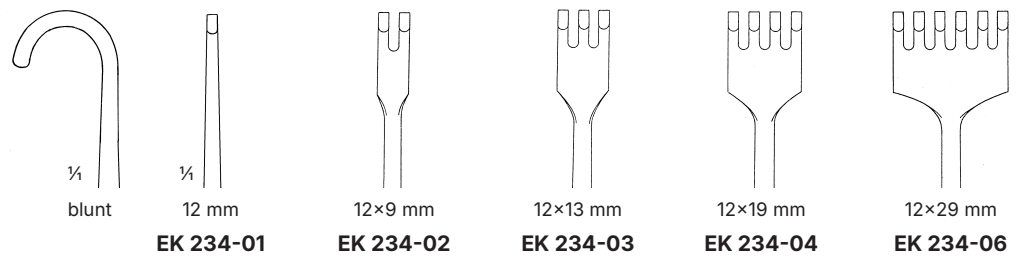
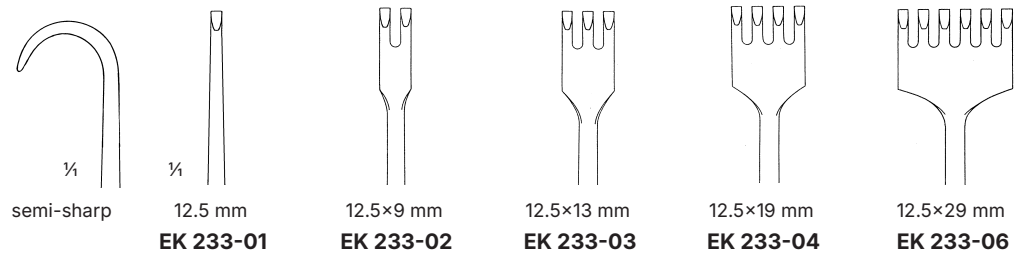
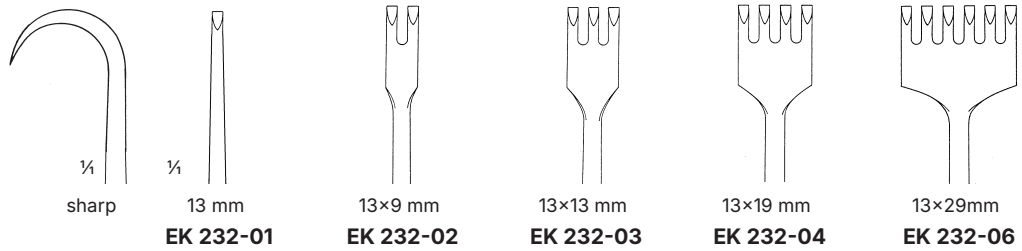


8x29 mm

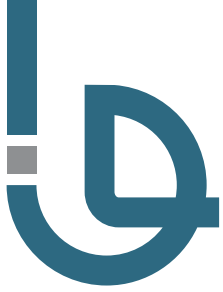
**EK 231-06**



1/2  
Volkmann  
22,5 cm / 8 7/8"



1/2  
Kocher  
22,5 cm / 8 7/8"



## Spreading Instruments

Bone Retractors



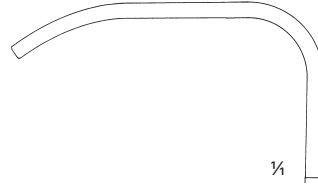
$\frac{1}{2}$   
Volkmann  
**EK 235-21**  
21,5 cm / 8  $\frac{1}{8}$ "



$\frac{1}{2}$   
Volkmann  
**EK 236-21**  
21,5 cm / 8  $\frac{1}{8}$ "



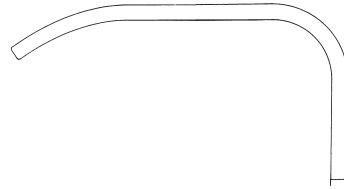
40×40 mm  
**EK 351-40**



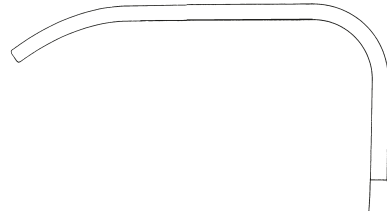
¼



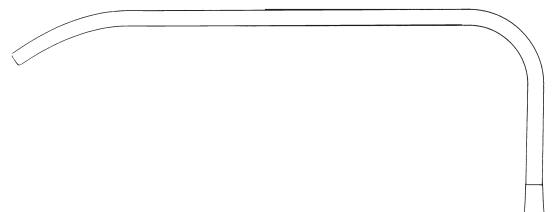
45×50 mm  
**EK 351-50**



50×60 mm  
**EK 351-60**



70×70 mm  
**EK 351-70**

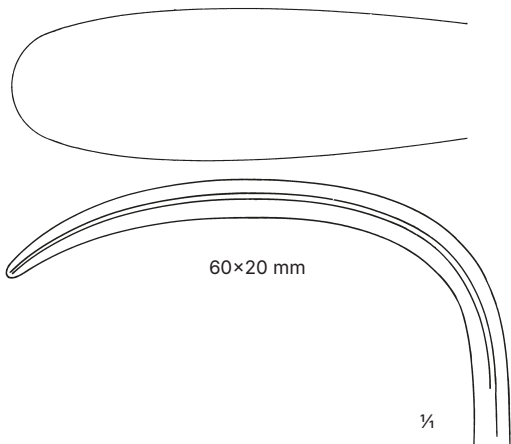


½  
Israel  
24,5 cm / 9 ¾"  
blunt



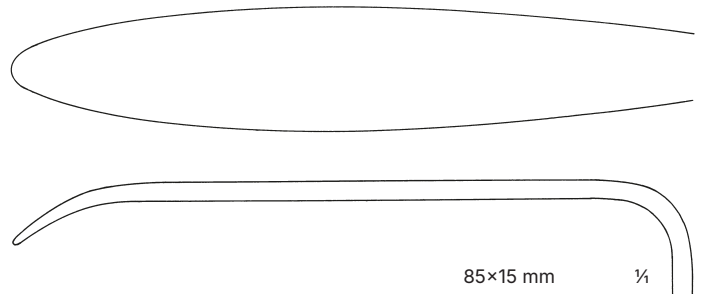
## Spreading Instruments

### Retractors



60×20 mm

¼



85×15 mm

¼



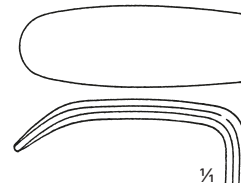
½  
Langenbeck  
**EK 352-01**  
21 cm/ 8 ¾"



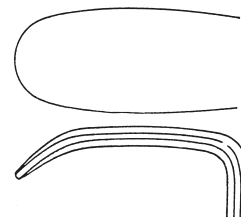
½  
Langenbeck  
**EK 352-02**  
22,5 cm/ 8 ¾"



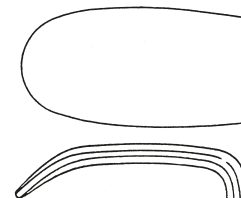
$\frac{1}{2}$   
Langenbeck  
22 cm / 8  $\frac{5}{8}$ "



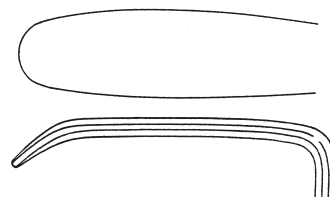
$\frac{1}{4}$   
30×11 mm  
**EK 353-01**



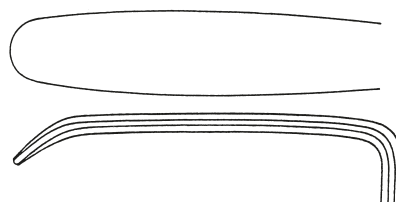
30×14 mm  
**EK 353-02**



30×15 mm  
**EK 353-03**



40×11 mm  
**EK 353-04**



50×11 mm  
**EK 353-05**



## Spreading Instruments

### Retractors

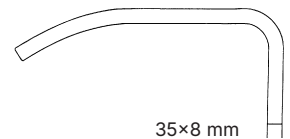


$\frac{1}{2}$   
Kocher-Langenbeck  
21,5 cm / 8  $\frac{5}{8}$ "



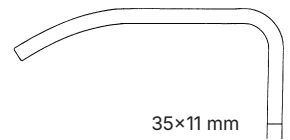
25×6 mm

**EK 355-01**



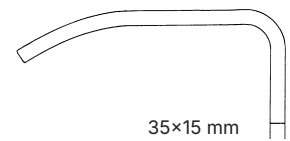
35×8 mm

**EK 355-02**



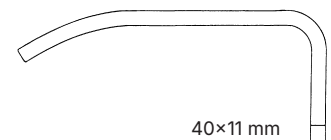
35×11 mm

**EK 355-03**



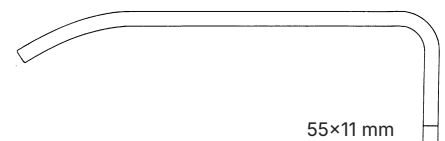
35×15 mm

**EK 355-04**



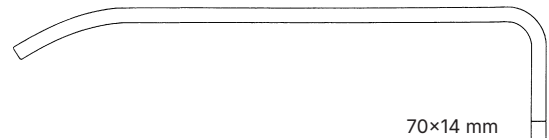
40×11 mm

**EK 355-05**



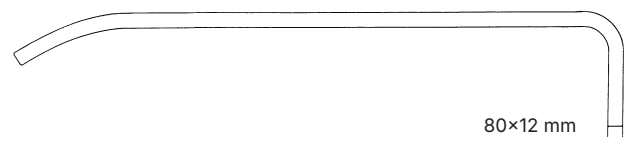
55×11 mm

**EK 355-06**



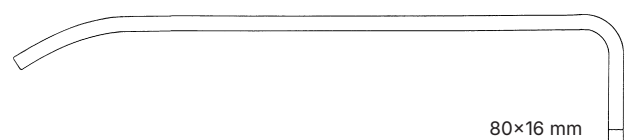
70×14 mm

**EK 355-07**



80×12 mm

**EK 355-08**

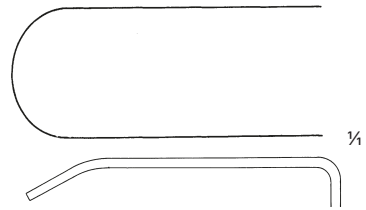


80×16 mm

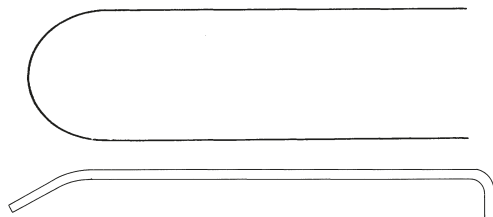
**EK 355-09**



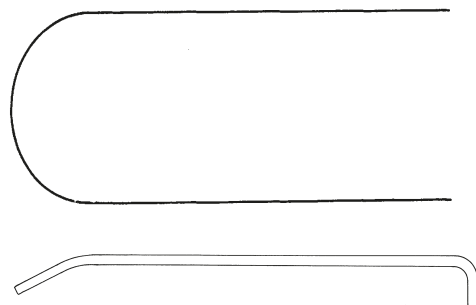
$\frac{1}{2}$   
Kocher-Langenbeck  
21,5 cm / 8  $\frac{3}{8}$ "



40×18 mm  
EK 356-18



60×18 mm  
EK 356-20

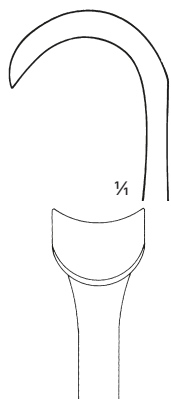


60×25 mm  
EK 356-25

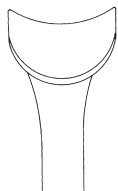


## Spreading Instruments

### Retractors



20×12 mm  
**EK 263-01**



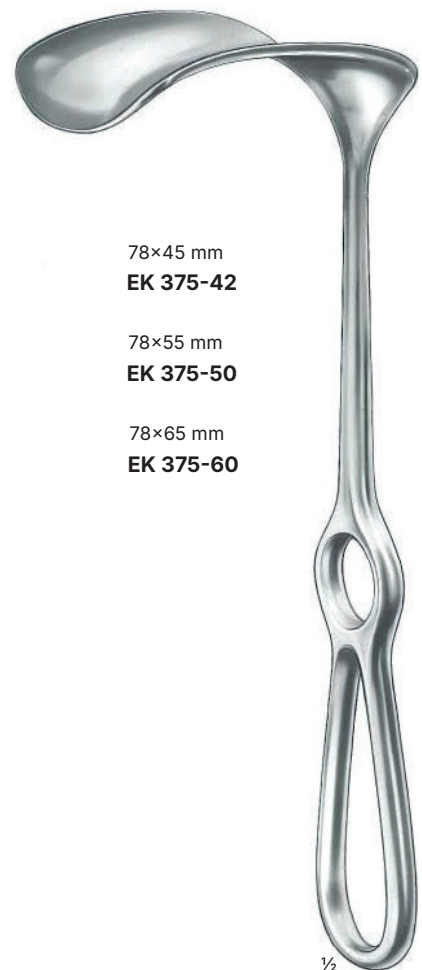
23×14 mm  
**EK 263-02**



$\frac{1}{2}$  Kocher  
21,5 cm / 8  $\frac{3}{8}$ "



$\frac{1}{2}$  Kocher  
70×25 mm  
**EK 375-25**  
23,5 cm / 9  $\frac{3}{8}$ "

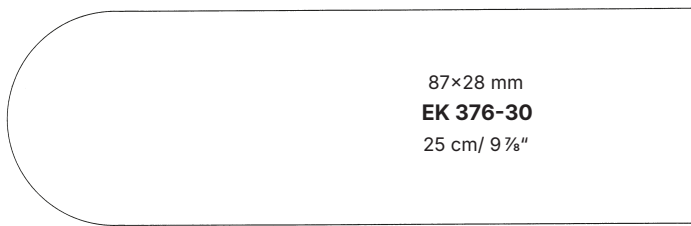
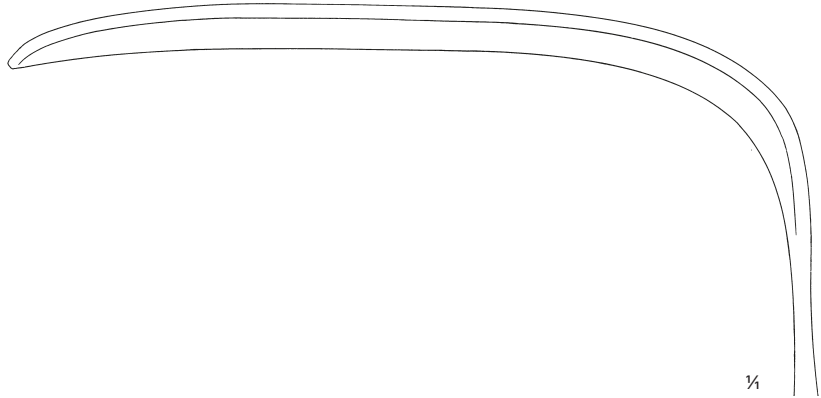


78×45 mm  
**EK 375-42**

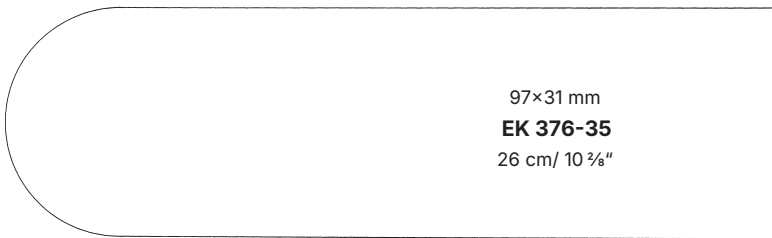
78×55 mm  
**EK 375-50**

78×65 mm  
**EK 375-60**

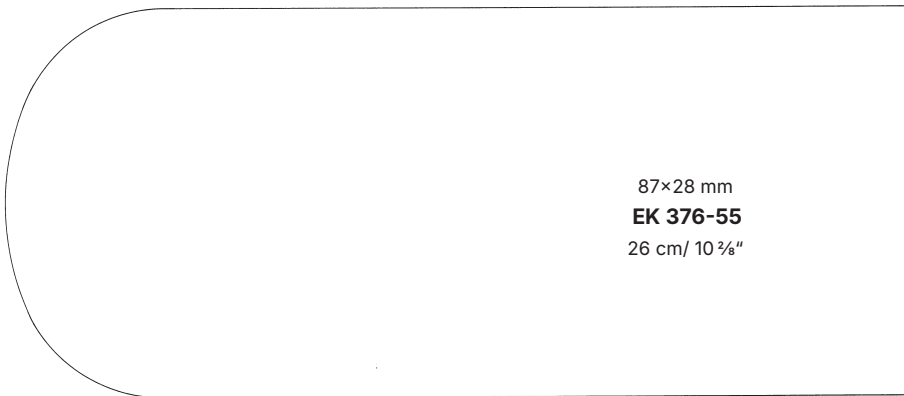
$\frac{1}{2}$  Kocher  
25 cm / 9  $\frac{7}{8}$ "



87×28 mm  
**EK 376-30**  
25 cm/ 9  $\frac{7}{8}$ "



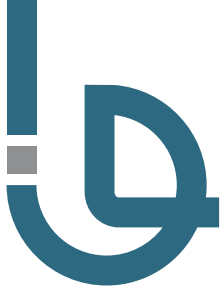
97×31 mm  
**EK 376-35**  
26 cm/ 10  $\frac{3}{8}$ "



87×28 mm  
**EK 376-55**  
26 cm/ 10  $\frac{3}{8}$ "

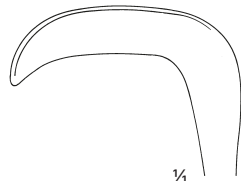


$\frac{1}{2}$   
Doyen-Stille



## Spreading Instruments

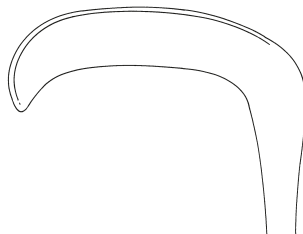
### Retractors



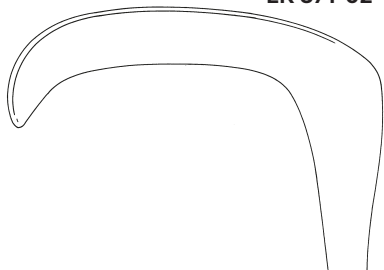
$\frac{1}{4}$   
25×21 mm  
**EK 371-01**



$\frac{1}{2}$   
Richardson  
24 cm / 9  $\frac{1}{8}$ "



30×29 mm  
**EK 371-02**



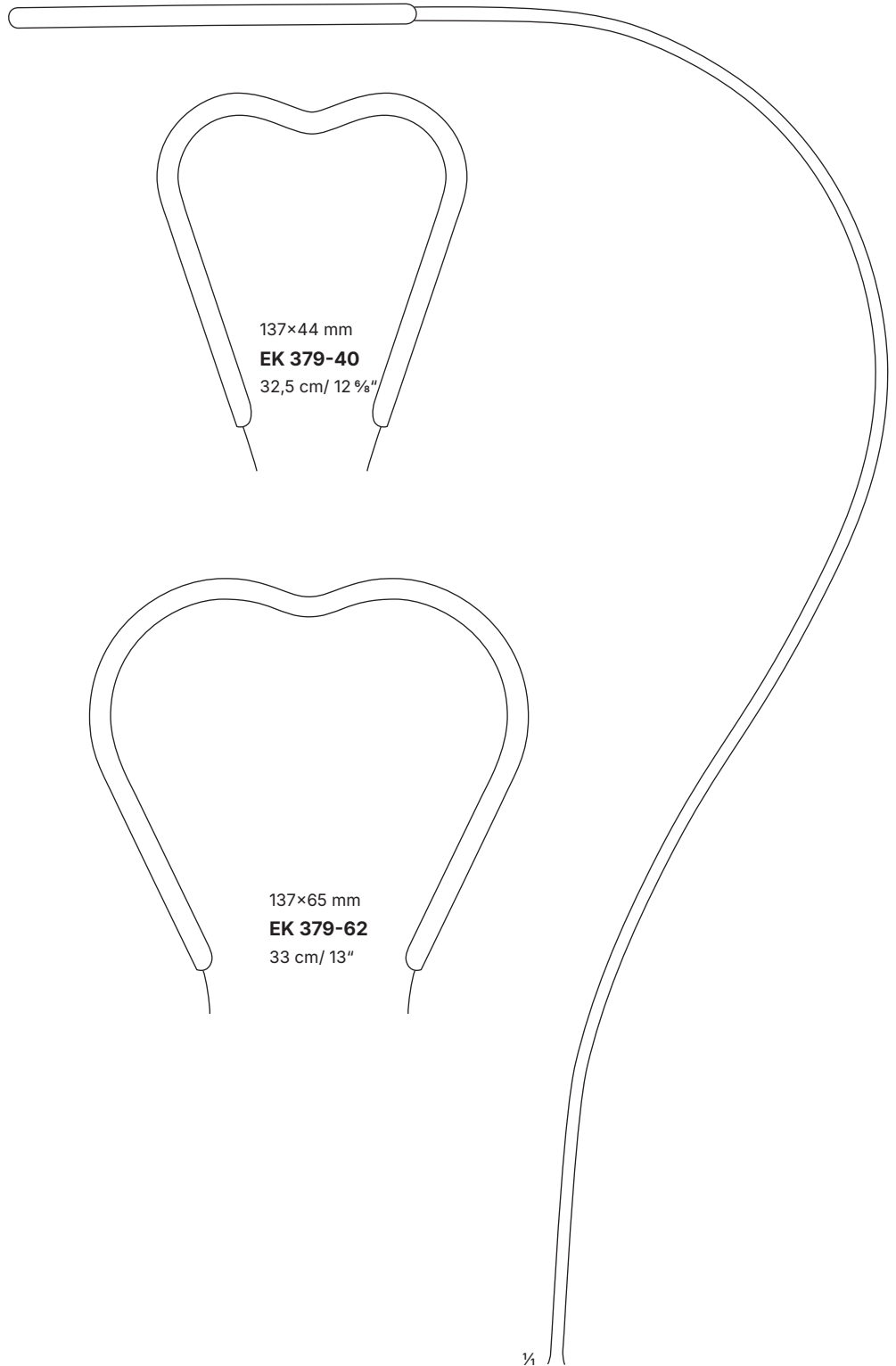
38×40 mm  
**EK 371-03**

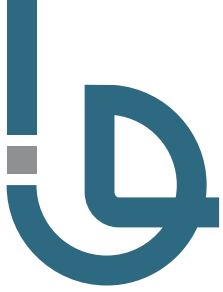


$\frac{1}{2}$   
Richardson  
**EK 371-04**  
24 cm / 9  $\frac{1}{8}$ "



$\frac{1}{2}$   
Richardson  
**EK 371-54**  
26 cm / 10  $\frac{1}{8}$ "





## Spreading Instruments

Lung Spatulas



Allison

**KA 650-01**  
29,5 cm/ 11 5/8"  
Working length  
40 mm

**KA 650-02**  
33 cm/ 13"  
Working length  
53 mm



Allison

**KA 651-01**  
29,5 cm/ 11 5/8"



½  
Davidon  
80×54 mm  
**EK 394-50**  
19 cm/ 7 ¼"



½  
Davidson  
75×93 mm  
**EK 394-90**  
19 cm/ 7 ¼"

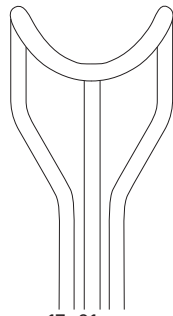


## Spreading Instruments

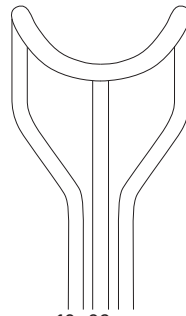
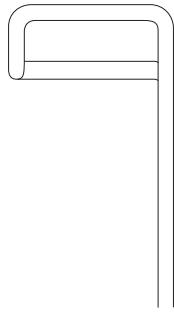
Aortic Valve Retractors



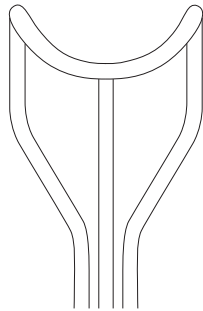
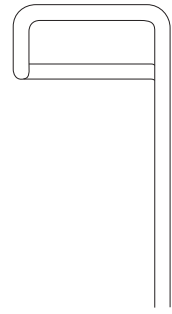
½  
Borowski  
27 cm / 10 5/8"  
malleable



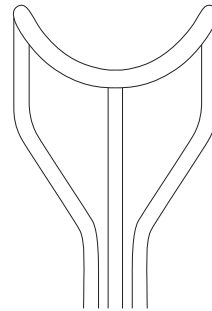
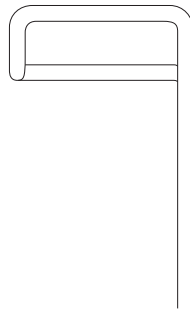
17×21 mm  
**KA 653-01**



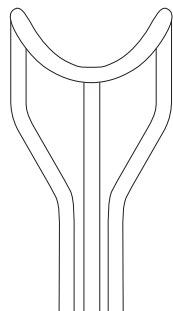
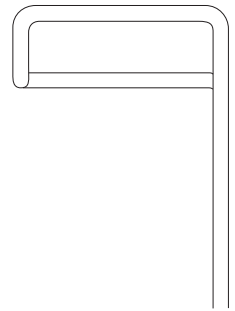
16×23 mm  
**KA 653-02**



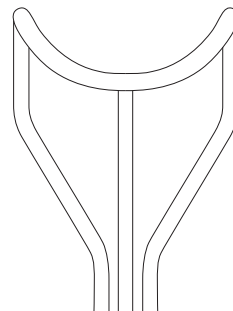
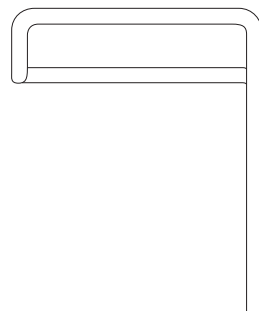
20×25 mm  
**KA 653-03**



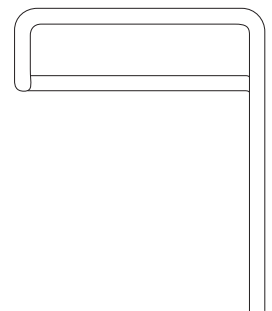
24×27 mm  
**KA 653-04**



28×20 mm  
**KA 653-05**



28×29 mm  
**KA 653-06**





Cooley  
25 cm/ 9 7/8"  
48×48 mm  
**KA 652-01**



Cooley  
25 cm/ 9 7/8"  
48×48 mm  
**KA 652-02**  
serrated



Cooley  
27,5 cm/ 10 7/8"  
30×48 mm  
**KA 652-03**



## Spreading Instruments

### Retractors



$\frac{1}{2}$   
19 mm  
Deaver  
**EK 383-01**  
18 cm / 7  $\frac{1}{8}$ "

22 mm  
Deaver  
**EK 383-02**  
21,5 cm / 8  $\frac{4}{8}$ "

25 mm  
Deaver  
**EK 383-03**  
26 cm / 10  $\frac{3}{8}$ "

25 mm  
Deaver  
**EK 383-04**  
30,5 cm / 12"

25 mm  
Deaver  
**EK 383-05**  
33,5 cm / 13  $\frac{3}{8}$ "

25 mm  
Deaver  
**EK 383-06**  
34,5 cm / 13  $\frac{5}{8}$ "



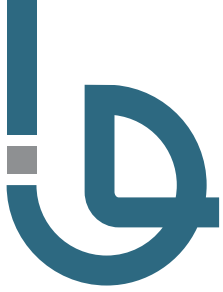
$\frac{1}{2}$   
38 mm  
Deaver  
**EK 383-07**  
32 cm / 12  $\frac{5}{8}$ "



50 mm  
Deaver  
**EK 383-08**  
31,5 cm / 12  $\frac{3}{8}$ "



75 mm  
Deaver  
**EK 383-09**  
31,5 cm / 12  $\frac{3}{8}$ "



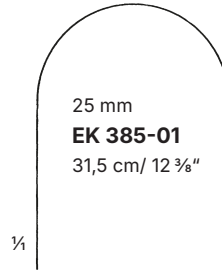
## Spreading Instruments

Retractors



$\frac{1}{2}$

Deaver



25 mm

**EK 385-01**

31,5 cm / 12  $\frac{3}{8}$ "

$\frac{1}{4}$



38 mm

**EK 385-02**

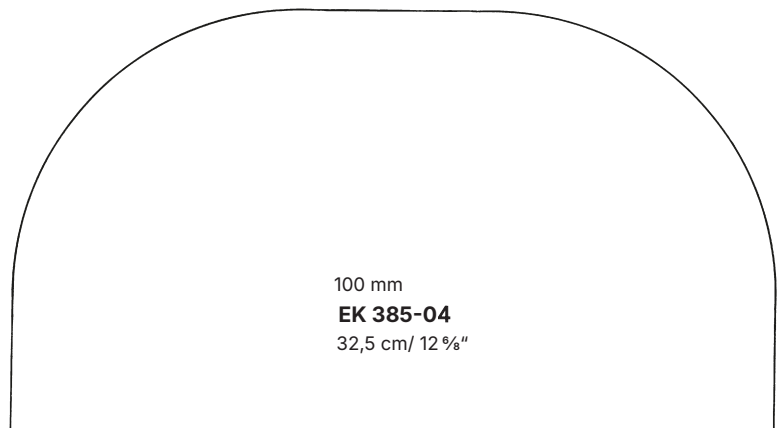
31,5 cm / 12  $\frac{3}{8}$ "



50 mm

**EK 385-03**

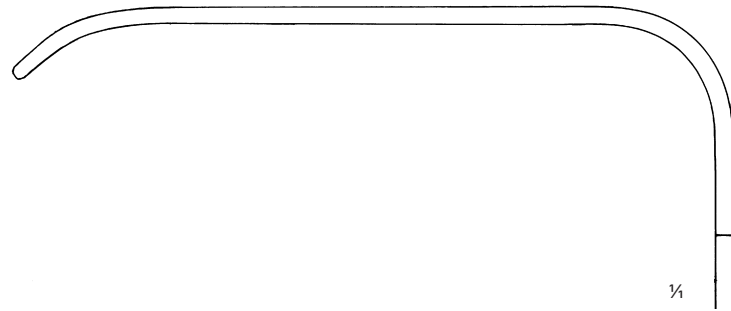
31,5 cm / 12  $\frac{3}{8}$ "



100 mm

**EK 385-04**

32,5 cm / 12  $\frac{5}{8}$ "

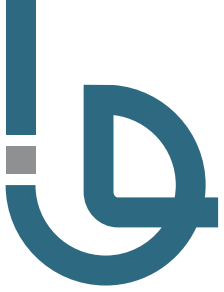


1/4



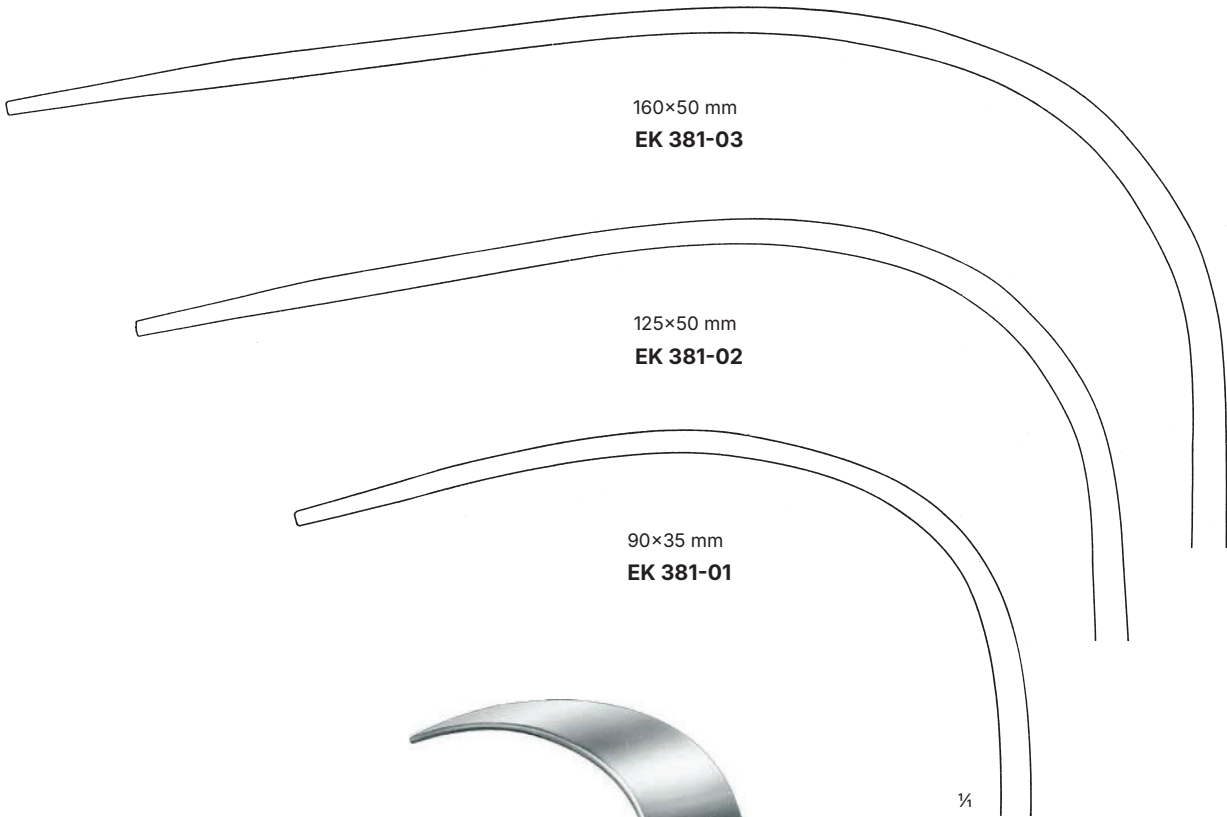
1/2

Mikulicz  
**EK 380-26**  
26 cm / 10 1/8"



## Spreading Instruments

Retractors



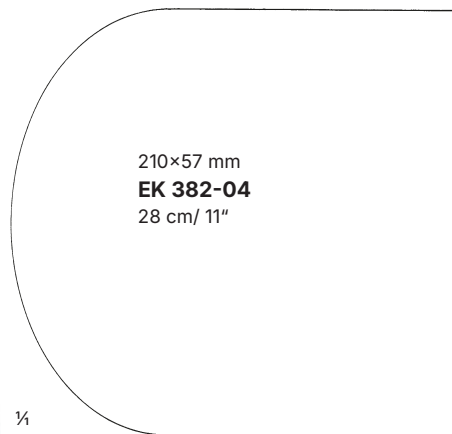
160×50 mm  
**EK 381-03**

125×50 mm  
**EK 381-02**

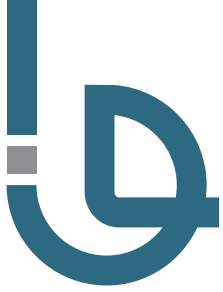
90×35 mm  
**EK 381-01**



$\frac{1}{2}$   
**Mikulicz**  
25 cm / 9  $\frac{7}{8}$ "



Kelly



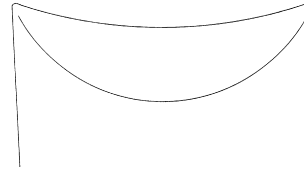
## Spreading Instruments

Abdominal Retractors

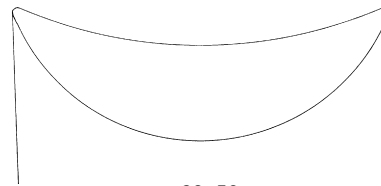


1/2

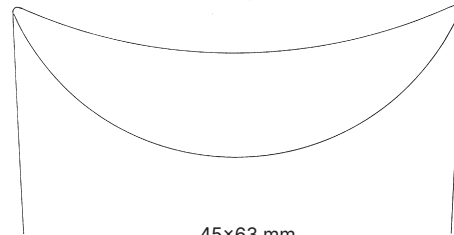
Fritsch



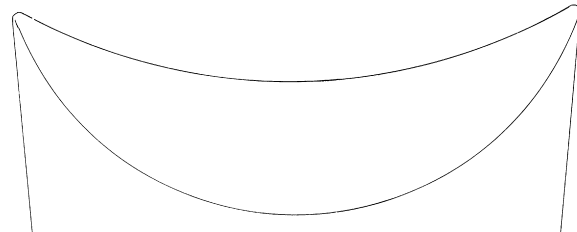
33×40 mm  
**EK 374-40**  
24 cm/ 9 1/8"



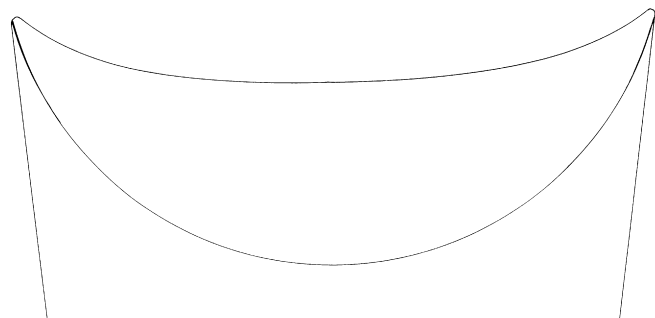
39×50 mm  
**EK 374-50**  
25 cm/ 9 7/8"



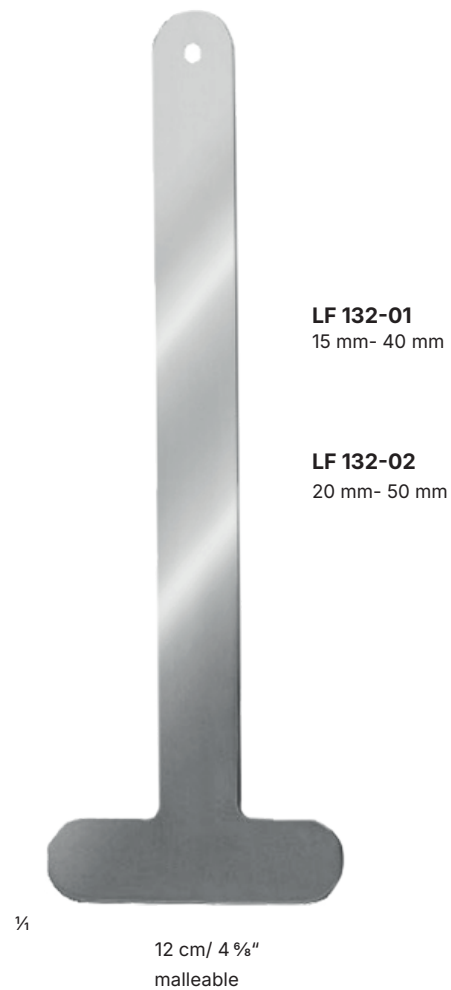
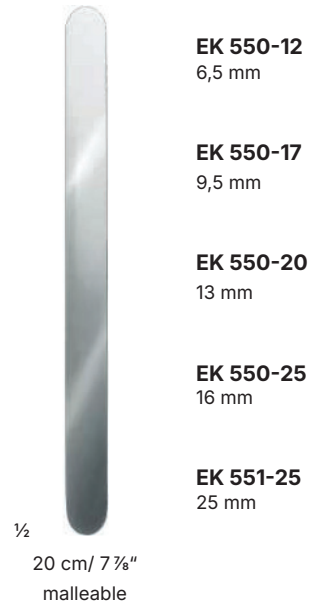
45×63 mm  
**EK 374-60**  
25 cm/ 9 7/8"

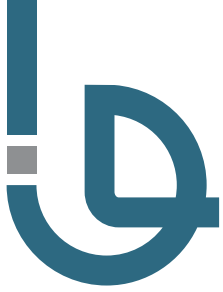


45×75 mm  
**EK 374-75**  
25,5 cm/ 10"



53×85 mm  
**EK 374-85**  
25,5 cm/ 10"





## Spreading Instruments

Self Retaining Wound Retractors



**KA 600-01**

40 mm

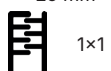


semi-sharp



**KA 601-01**

25 mm

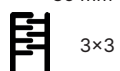


semi-sharp



**KA 601-02**

35 mm



semi-sharp



**KA 601-03**

40 mm

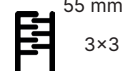


semi-sharp

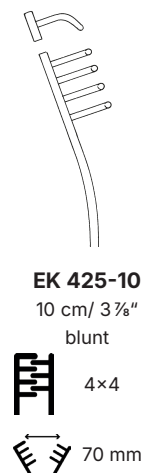
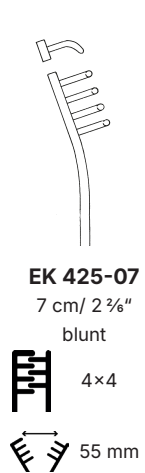
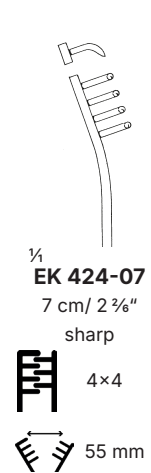


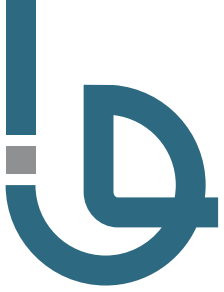
**KA 601-04**

55 mm



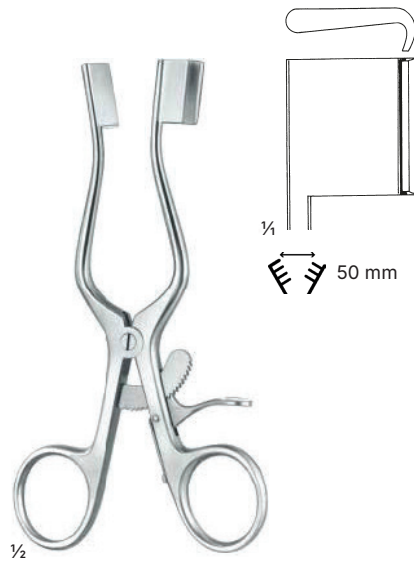
semi-sharp





## Spreading Instruments

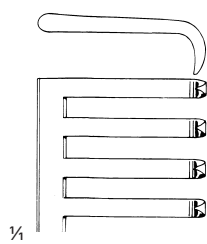
Self Retaining Wound Retractors



$\frac{1}{2}$   
**Weitlaner-Baby**  
**EK 432-14**  
13,5 cm / 5  $\frac{3}{8}$ "



$\frac{1}{2}$   
**Weitlaner**  
13,5 cm / 5  $\frac{3}{8}$ "



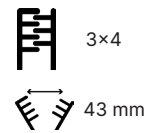
**EK 433-13**

sharp



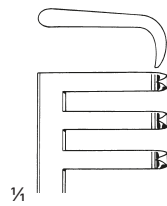
**EK 434-16**

blunt



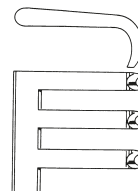
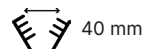


½  
Weitlainer  
11 cm / 4 ¾"



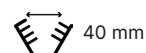
EK 435-10

sharp

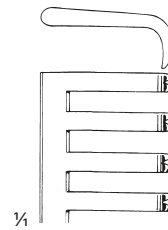


EK 436-10

blunt



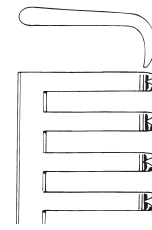
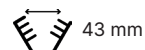
½  
Weitlainer



EK 435-13

13,5 cm / 5 ¾"

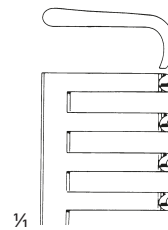
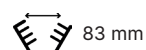
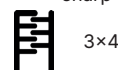
sharp



EK 435-16

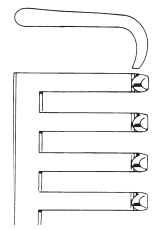
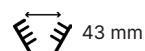
16 cm / 6 ¾"

sharp



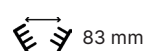
EK 436-13

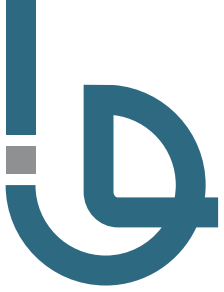
blunt



EK 436-16

blunt



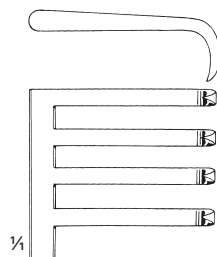


## Spreading Instruments



Self Retaining Wound Retractors

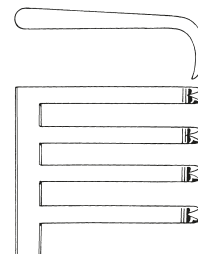


Weitlainer





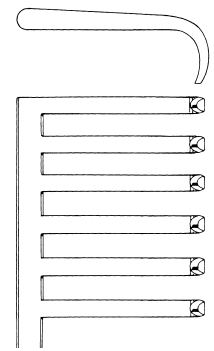
**EK 435-20**  
20 cm / 7 7/8"

sharp  3x4  
 90 mm





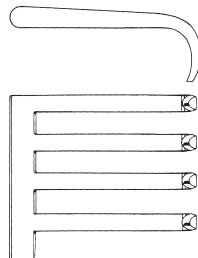
**EK 435-25**  
24 cm / 9 4/8"

 3x4  
 90 mm





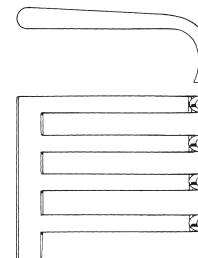
**EK 435-26**  
25,5 cm / 10"

 5x6  
 90 mm



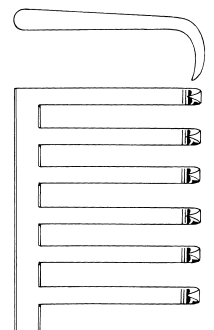
**EK 436-20**  
20 cm / 7 7/8"

blunt  3x4  
 90 mm





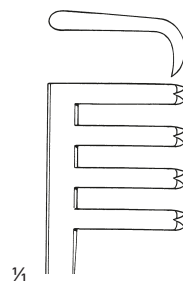
**EK 436-25**  
24 cm / 9 4/8"

 3x4  
 90 mm

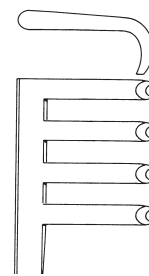


**EK 436-26**  
25,5 cm / 10"

 5x6  
 90 mm



¼  
**EK 437-00**  
sharp

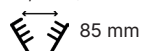


**EK 438-00**  
blunt



½

Henley  
**EK 437-00**  
**EK 438-00**  
16,5 cm / 6 ½"



complete with 3 central blades  
ref. EK 437-19, EK 437-25 and  
EK 437-32



½

**EK 437-19**  
19×17 mm



**EK 437-25**  
25×17 mm



**EK 437-32**  
32×17 mm



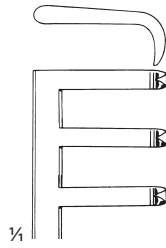
## Spreading Instruments

Self Retaining Wound Retractors



1/2

**Weitlaner-Wullstein**  
13 cm / 5 1/8"

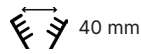


**EK 444-13**

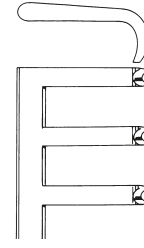
sharp



3x3



40 mm

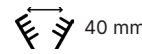


**EK 445-13**

blunt



3x3

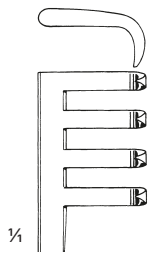


40 mm



1/2

**Mollison**  
**EK 446-15**  
15,5 cm / 6 1/8"

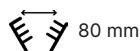


1/4

sharp



4x4

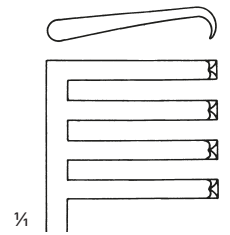


80 mm



1/2

**Anderson-Adson**  
**EK 452-20**  
19 cm / 7 5/8"



1/4

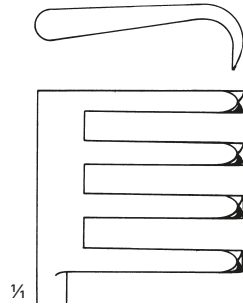
sharp



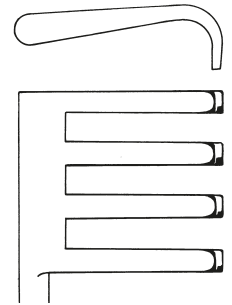
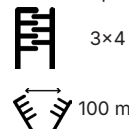
4x4



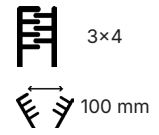
84 mm



**EK 454-27**  
26 cm / 10 3/8"  
sharp

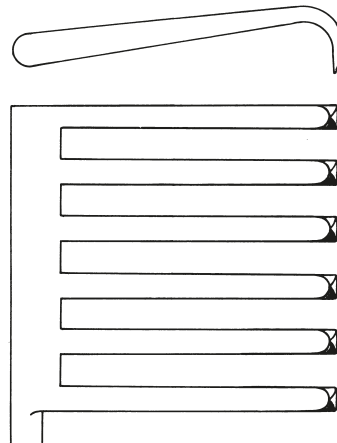


**EK 455-27**  
26 cm / 10 3/8"  
blunt

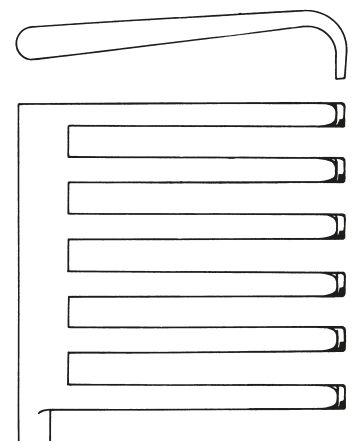
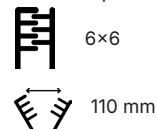


1/2

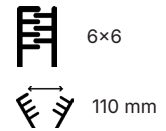
Adson

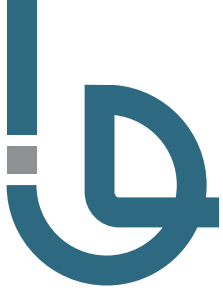


**EK 456-27**  
29 cm / 11 3/8"  
sharp



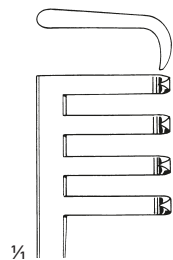
**EK 457-27**  
29 cm / 11 3/8"  
blunt





## Spreading Instruments

Self Retaining Wound Retractors

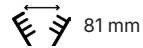


**EK 458-13**

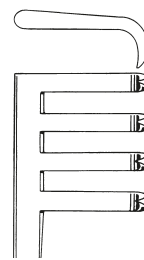
14 cm / 5 1/2"  
sharp



3x4



81 mm

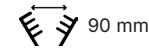


**EK 458-16**

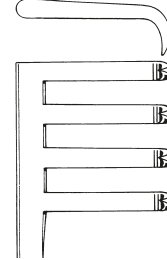
16,5 cm / 6 1/2"  
sharp



3x4



90 mm

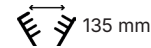


**EK 458-20**

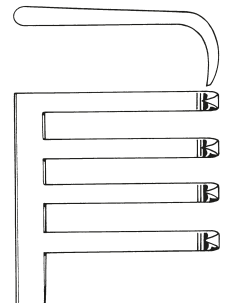
21 cm / 8 1/4"  
sharp



3x4

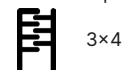


135 mm



**EK 458-23**

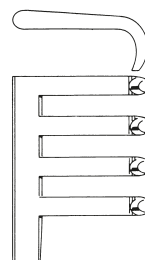
24,5 cm / 9 5/8"  
sharp



3x4



135 mm

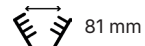


**EK 459-13**

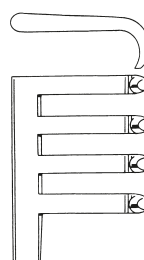
14 cm / 5 1/2"  
blunt



3x4



81 mm

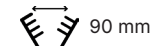


**EK 459-16**

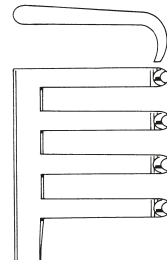
16,5 cm / 6 1/2"  
blunt



3x4



90 mm

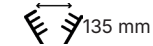


**EK 459-20**

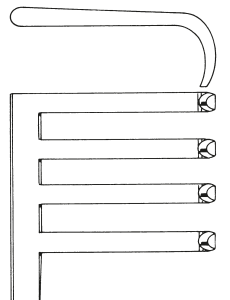
21 cm / 8 1/4"  
blunt



3x4



135 mm



**EK 459-23**

24,5 cm / 9 5/8"  
blunt



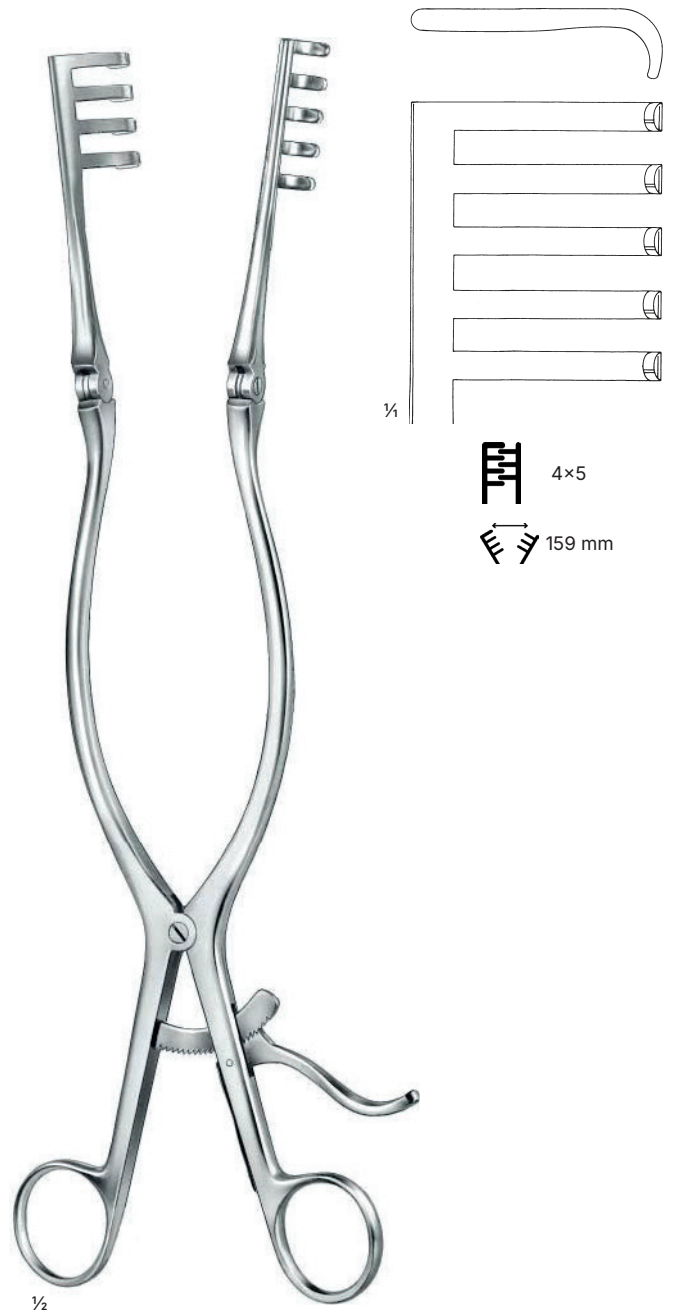
3x4



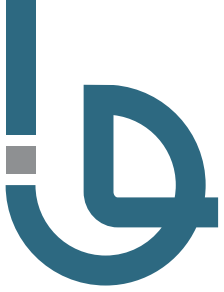
135 mm



Beckmann  
**EK 460-31**  
32 cm / 12 5/8"  
sharp



Beckmann  
**EK 463-33**  
33 cm / 13"  
sharp



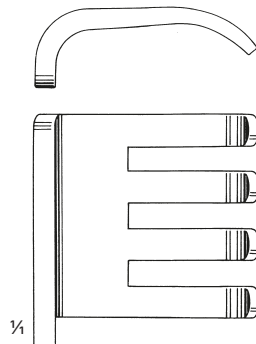
## Spreading Instruments

Self Retaining Wound Retractors



1/2

Beckmann-Adson



1/4

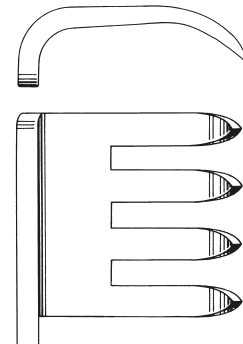
**EK 464-01**

31 cm/ 12 3/8"

blunt



4x4



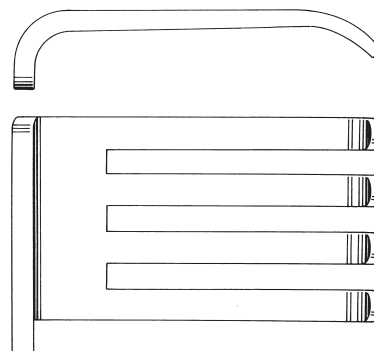
**EK 464-02**

31 cm/ 12 3/8"

sharp



4x4



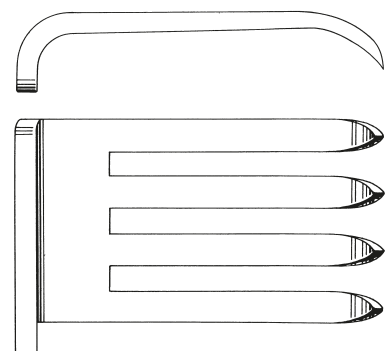
**EK 464-03**

31 cm/ 12 3/8"

blunt



4x4



**EK 464-04**

31 cm/ 12 3/8"

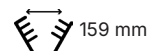
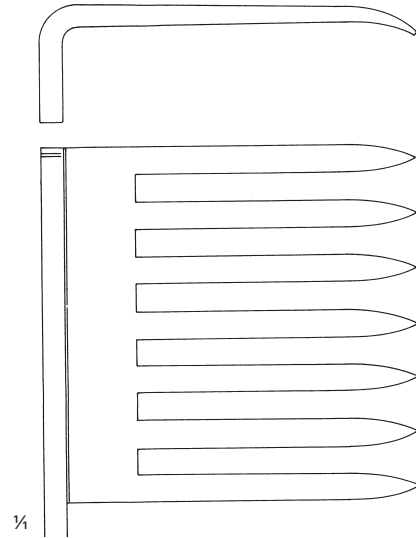
sharp



4x4



Beckmann-Eaton  
**EK 466-33**  
32 cm / 12 5/8"  
sharp





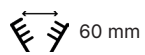
## Spreading Instruments

Self Retaining Abdominal Retractors



½

Collin-Baby  
**EK 504-00**  
18 cm/ 7 ½"  
complete, with 2 pairs of lateral blades  
ref.EK 511-01 (18 × 40 mm) and  
EK 511-02(27 × 40 mm)

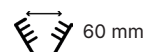


60 mm



½

Collin  
**EK 505-00**  
20 cm/ 7 ⅞"  
complete, with 1 pair of lateral blades  
ref EK 511-03 (38×60 mm)



60 mm



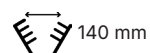
1/2  
Collin  
**EK 506-00**  
20 cm / 7 7/8"  
complete (spreader and central blade 38×55 mm),  
with 1 pair of lateral blades ref. EK 511-03 (38 × 60 mm)

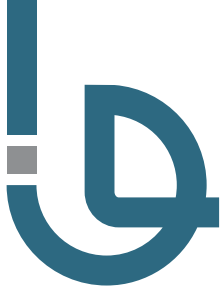


Collin  
**EK 507-00**  
20 cm / 7 7/8"  
complete (spreader and central blade 50×75 mm),  
with 1 pair of lateral blades ref. EK 511-04 (45 × 80 mm)



1/2  
Collin  
**EK 508-00**  
31 cm / 12 3/8"  
complete (spreader and central blade 60×75 mm),  
with 1 pair of lateral blades ref. EK 511-05 (60 × 80 mm)





## Spreading Instruments

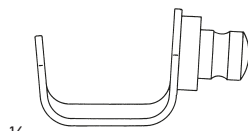
### Retractor Blades



EK 504-00  
EK 505-00  
EK 506-00  
EK 507-00  
EK 508-00

#### EK 511-01 - EK 511-05

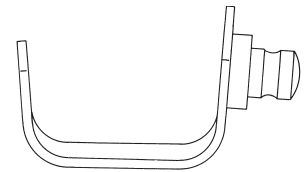
blades for abdominal retractors (pair)



¼

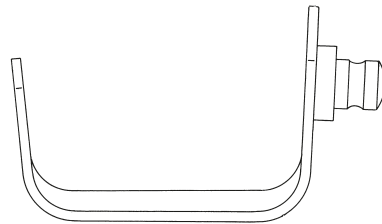
18×40 mm

**EK 511-01**



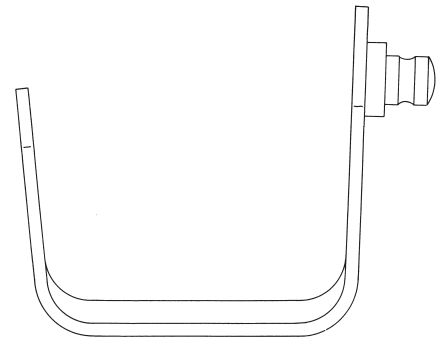
27×40 mm

**EK 511-02**



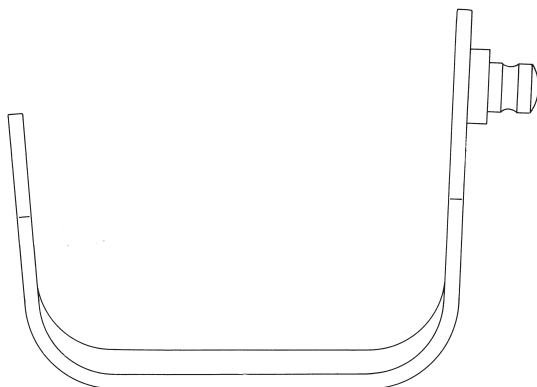
38×60 mm

**EK 511-03**



45×80 mm

**EK 511-04**



60×80 mm

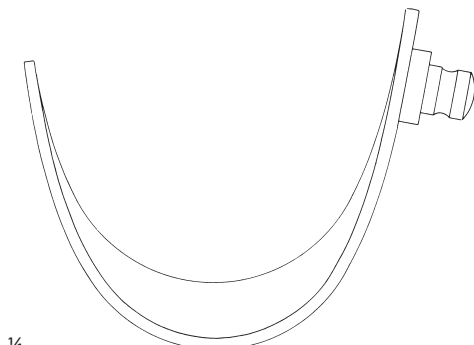
**EK 511-05**



**EK 511-06 - EK 511-11**  
blades for abdominal retractors (pair)

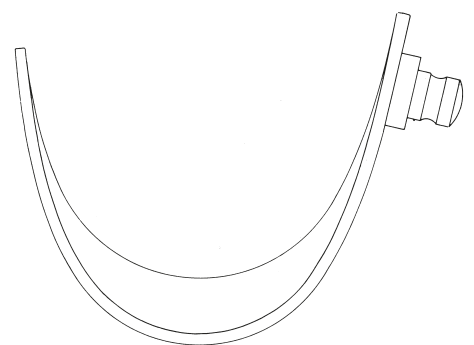


- EK 504-00
- EK 505-00
- EK 506-00
- EK 507-00
- EK 508-00

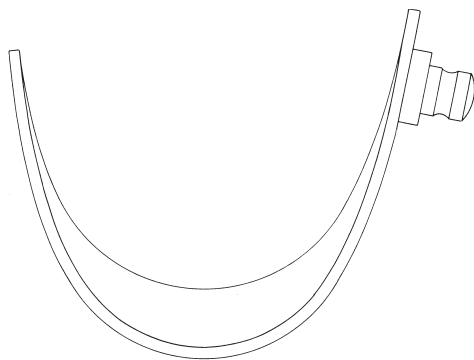


¼

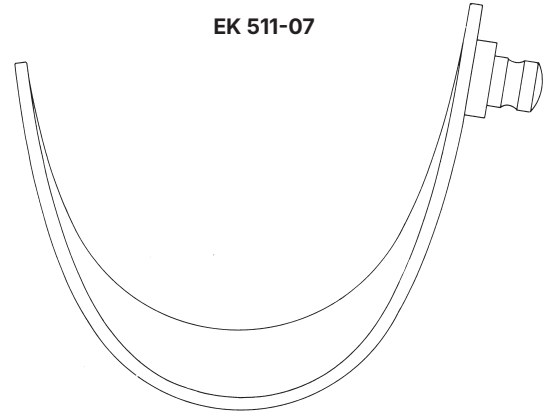
50×70 mm  
**EK 511-06**



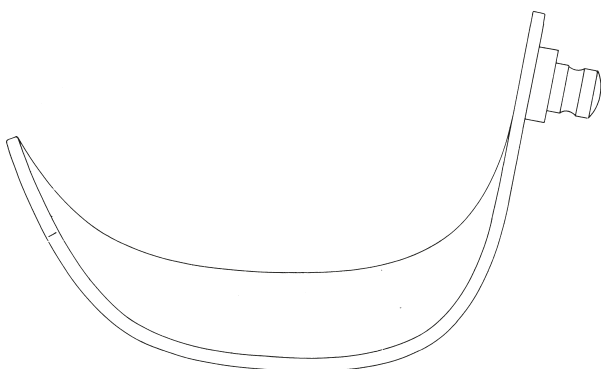
50×58 mm  
**EK 511-07**



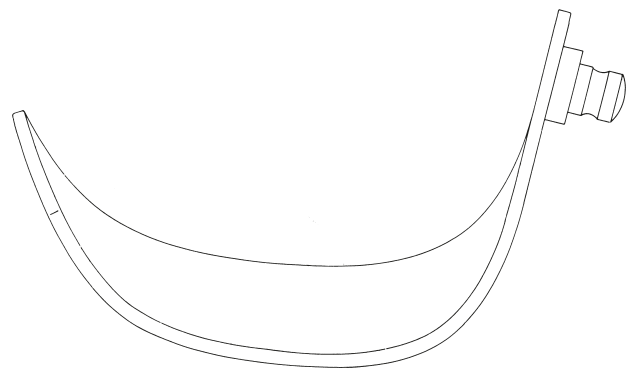
52×110 mm  
**EK 511-08**



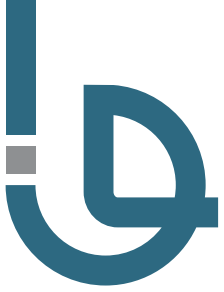
60×80 mm  
**EK 511-09**



70×55 mm  
**EK 511-10**

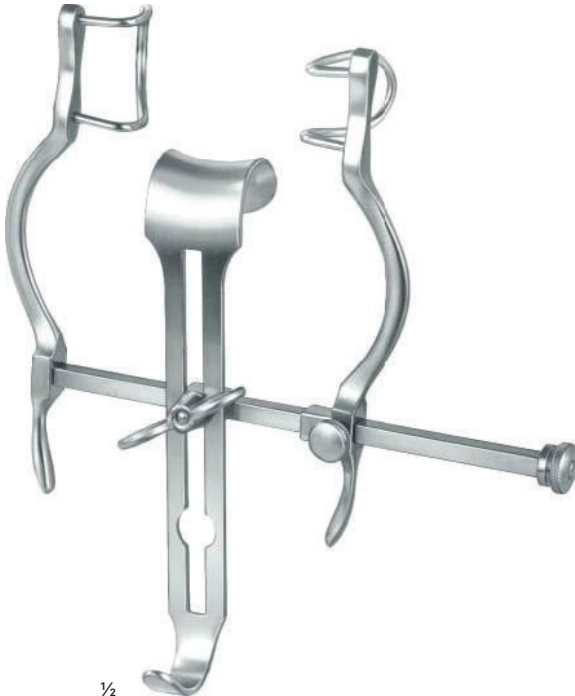
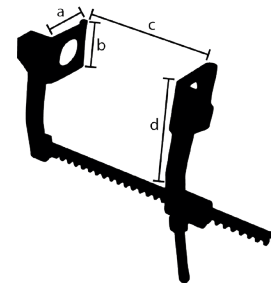


72×85 mm  
**EK 511-11**



## Spreading Instruments

Self Retaining Abdominal Retractors



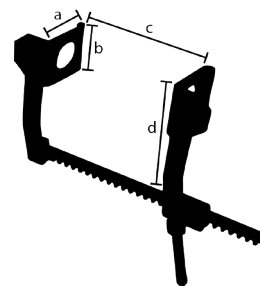
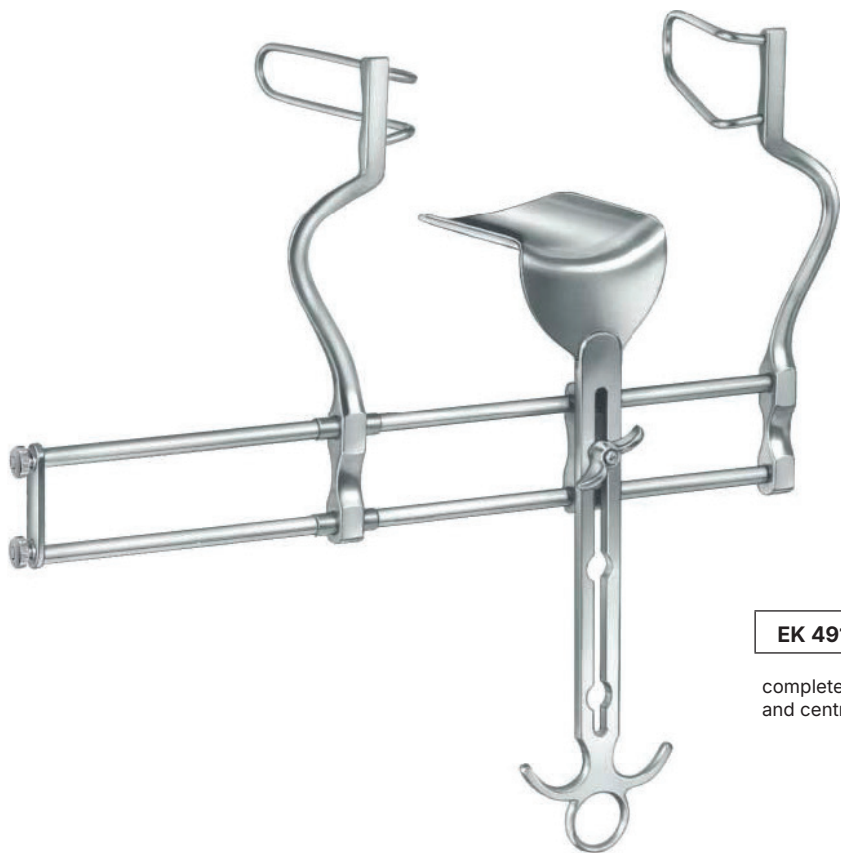
	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>EK 490-09</b>	24 × 20 mm	80 mm	125 mm

complete with and central blade (24 × 20 mm)



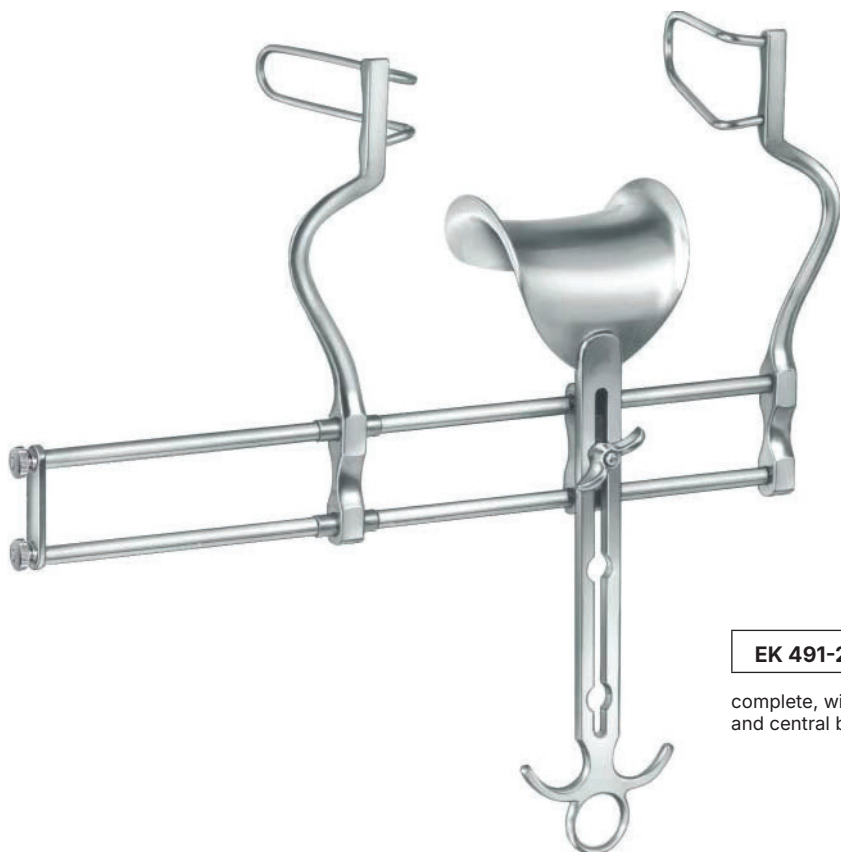
	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>EK 491-18</b>	70 × 35 mm	160 mm	230 mm

complete, with 1 pair of lateral blades (70 × 35 mm)  
and central blade ref EK 493-01 (45 × 80 mm)



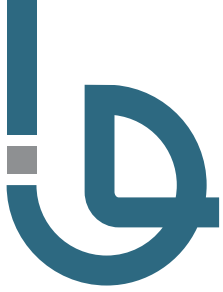
	a x b	c	d
<b>EK 491-20</b>	100 X 35 mm	180 mm	240 mm

complete, with 1 pair of lateral blades (100 × 35 mm)  
and central blade ref. EK 492-02 (100 × 60 mm)



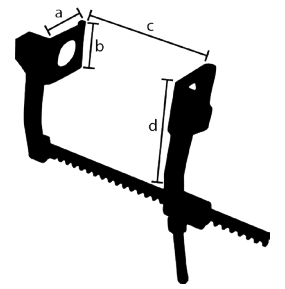
	a x b	c	d
<b>EK 491-25</b>	100 X 35 mm	230 mm	300 mm

complete, with 1 pair of lateral blades (100 × 35 mm)  
and central blade ref. EK 493-02 (68 × 85 mm)



## Spreading Instruments

Self Retaining Abdominal Retractors



Balfour



**EK 489-01**

60 × 30 mm  
pair



**EK 489-02**

80 × 30 mm  
pair

	a x b	c	d
<b>EK 489-00</b>		190 mm	250 mm

complete with and central blade ref. EK 493-02 (68 × 35 mm)



- EK 491-18
- EK 491-20
- EK 491-25
- EK 489-00



**EK 492-01**  
100×70 mm

**EK 492-02**  
100×60 mm

½  
Balfour



**EK 493-01**  
45×80 mm

**EK 493-02**  
68×85 mm

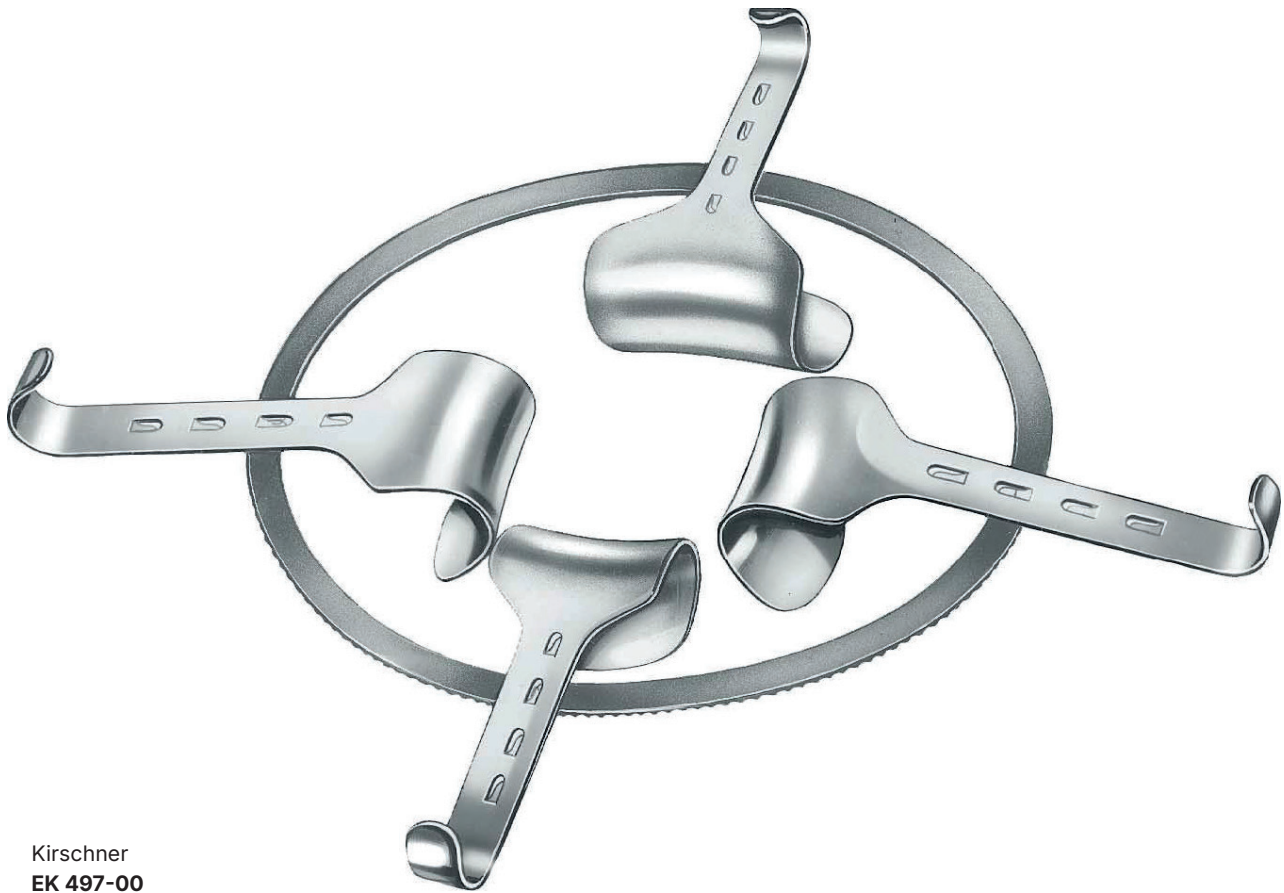
**EK 493-03**  
40×68 mm

½  
Balfour

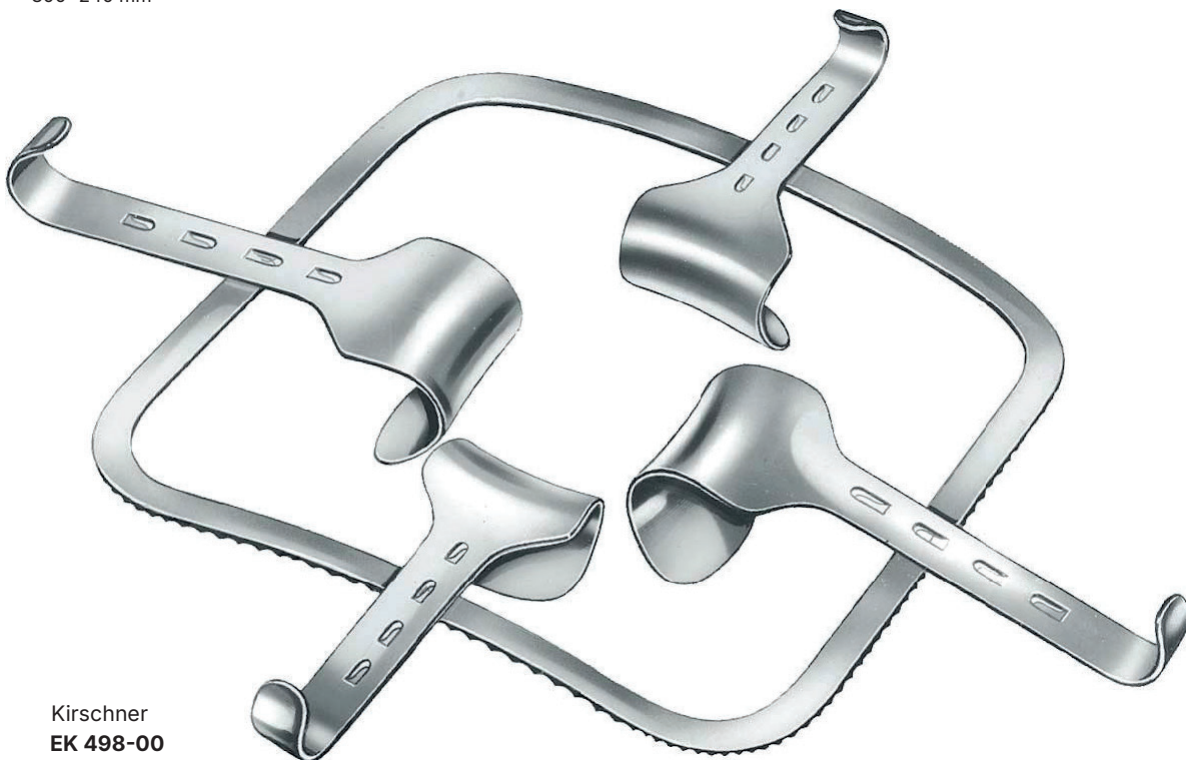


## Spreading Instruments

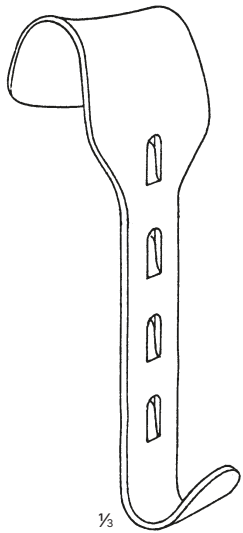
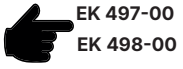
Self Retaining Abdominal Retractor Frames



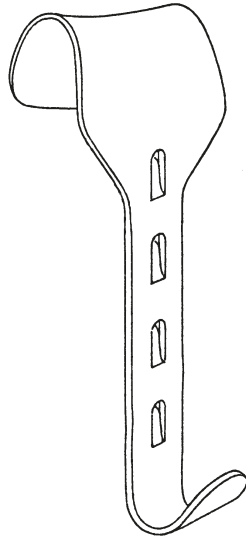
Kirschner  
**EK 497-00**  
Internal Dimensions  
300×240 mm



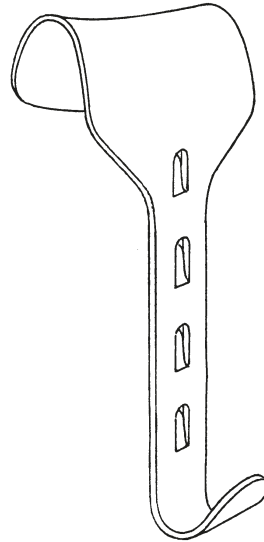
Kirschner  
**EK 498-00**  
Internal Dimensions  
240×240 mm



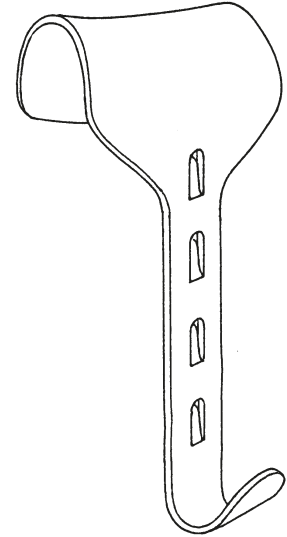
**EK 499-01**  
40×55 mm



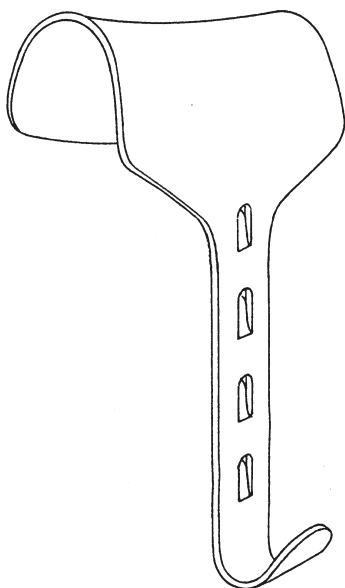
**EK 499-02**  
50×65 mm



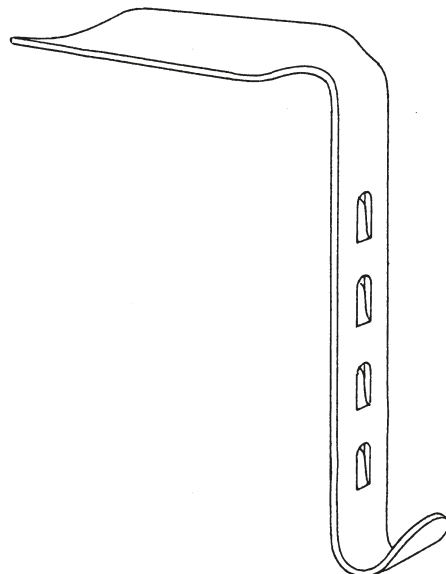
**EK 499-03**  
60×85 mm



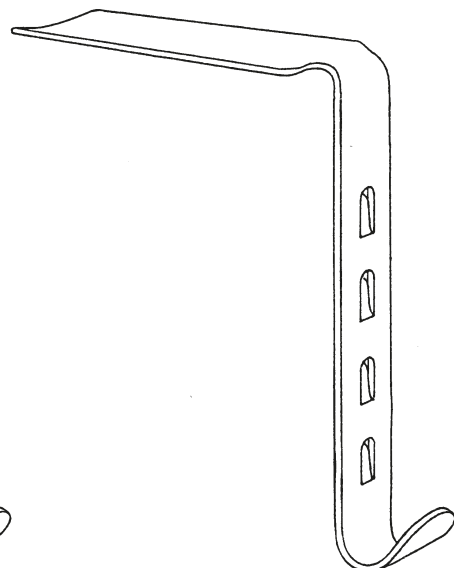
**EK 499-04**  
78×65 mm



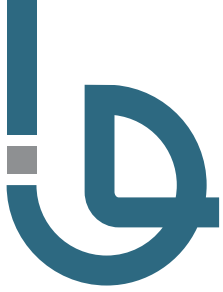
**EK 499-05**  
85×90 mm



**EK 499-06**  
98×50 mm

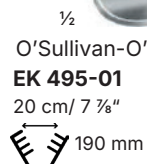


**EK 499-07**  
105×35 mm



## Spreading Instruments

Self Retaining Abdominal Retractors, Central Blades



1/2  
O'Sullivan-O'Connor

**EK 495-01**

20 cm / 7 7/8"

190 mm

complete, with 2 fixed lateral blades (60 × 35 mm)  
and 2 central blades ref. EK 495-02 (80 × 45 mm)  
and EK 495-03 (110 × 70 mm)



O'Sullivan-O'Connor

**EK 495-02**

80×45 mm

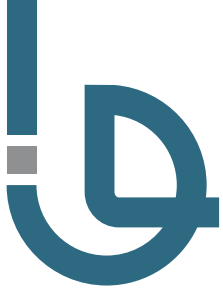
**EK 495-03**

110×70 mm

# Cardio Thoracic Retractors

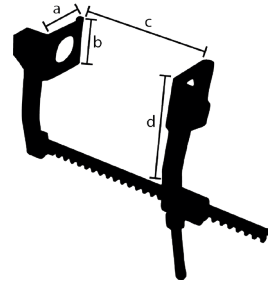
Sternum and Rib Retractors  
Retractor Blades  
Holding Elements  
Coupling Elements  
Rib Contractors





## Cardio Thoracic Retractors

Sternum and Rib Retractors



**KA 602-03**  
only frame

### KA 602-00

complete 2 pairs of blades

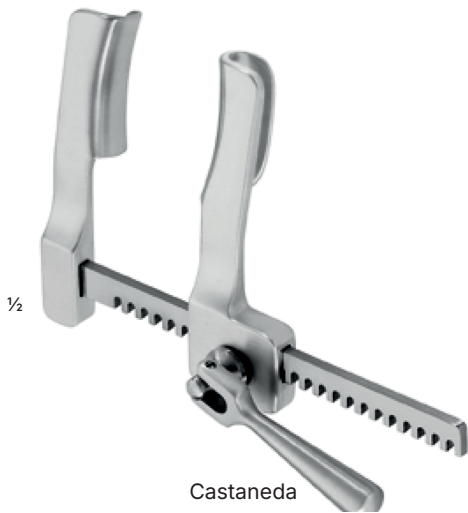
	a x b	c	d
<b>KA 602-01</b>		42 mm	40 mm
<b>KA 602-02</b>	9 x 20 mm		
<b>KA 602-03</b>	9 x 10 mm		



**KA 602-02**  
pair

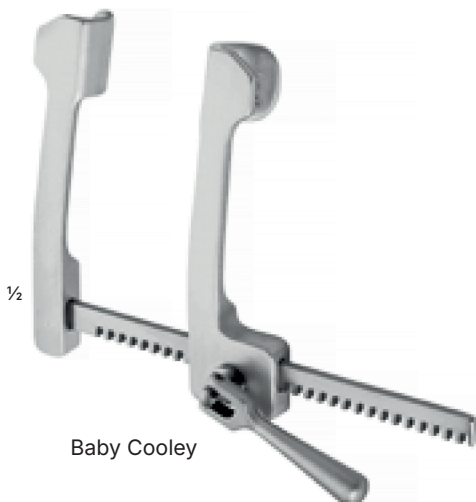


**KA 602-03**  
pair



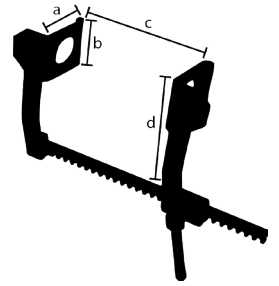
Castaneda

	a x b	c	d
<b>KA 603-01</b>	10 x 32 mm	65 mm	60 mm
<b>KA 603-02</b>	12 x 45 mm	70 mm	80 mm
<b>KA 603-03</b>	15 x 60 mm	105 mm	120 mm



Baby Cooley

	a x b	c	d
<b>KA 604-01</b>	12 x 16 mm	95 mm	60 mm
<b>KA 604-02</b>	15 x 30 mm	95 mm	80 mm



	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>KA 605-01</b>	20 × 45 mm	150 mm	100 mm

Cooley



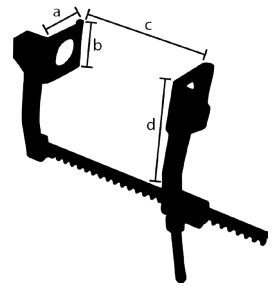
	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>KA 605-02</b>	30 × 105 mm	195 mm	160 mm

Cooley



## Cardio Thoracic Retractors

Sternum and Rib Retractors



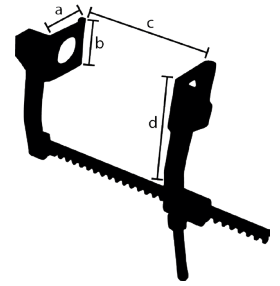
Baby Finochietto

	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>KA 606-01</b>	6 × 7 mm	36 mm	25 mm

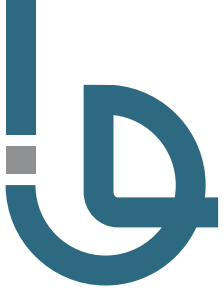


Finochietto

	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>KA 606-02</b>	12 × 15 mm	75 mm	55 mm
<b>KA 606-03</b>	15 × 20 mm	100 mm	75 mm
<b>KA 606-04</b>	30 × 30 mm	100 mm	80 mm

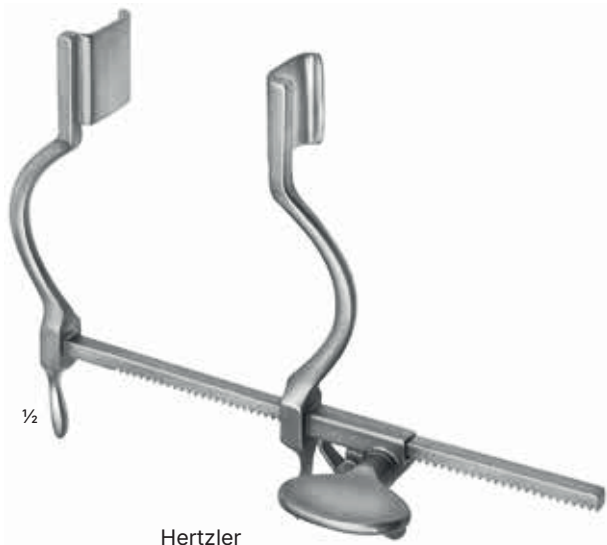
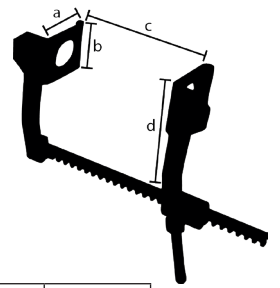


	a x b	c	d
KA 607-01	40 x 45 mm	150 mm	110 mm
KA 607-02	45 x 65 mm	165 mm	140 mm
KA 607-03	80 x 65 mm	190 mm	150 mm



## Cardio Thoracic Retractors

Sternum and Rib Retractors



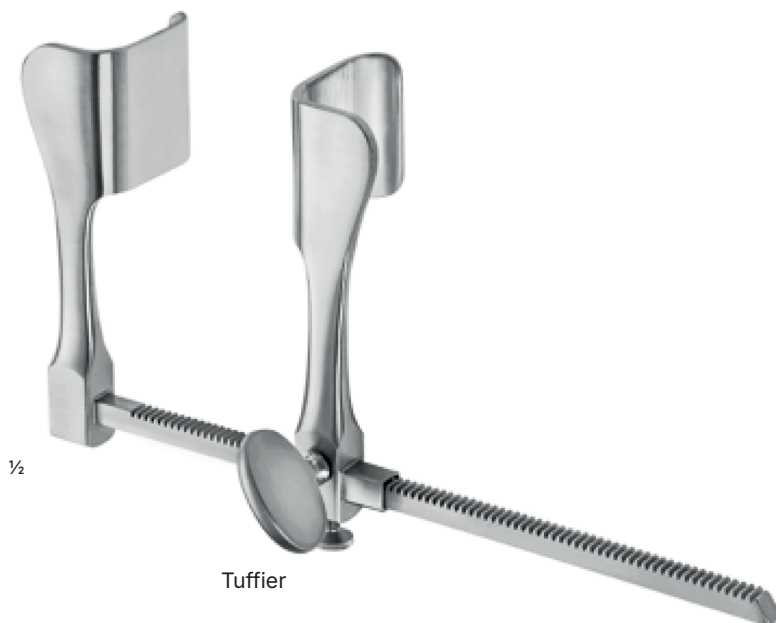
Hertzler

	a x b	c	d
<b>KA 608-01</b>	105 × 90 mm	25 mm	20 mm



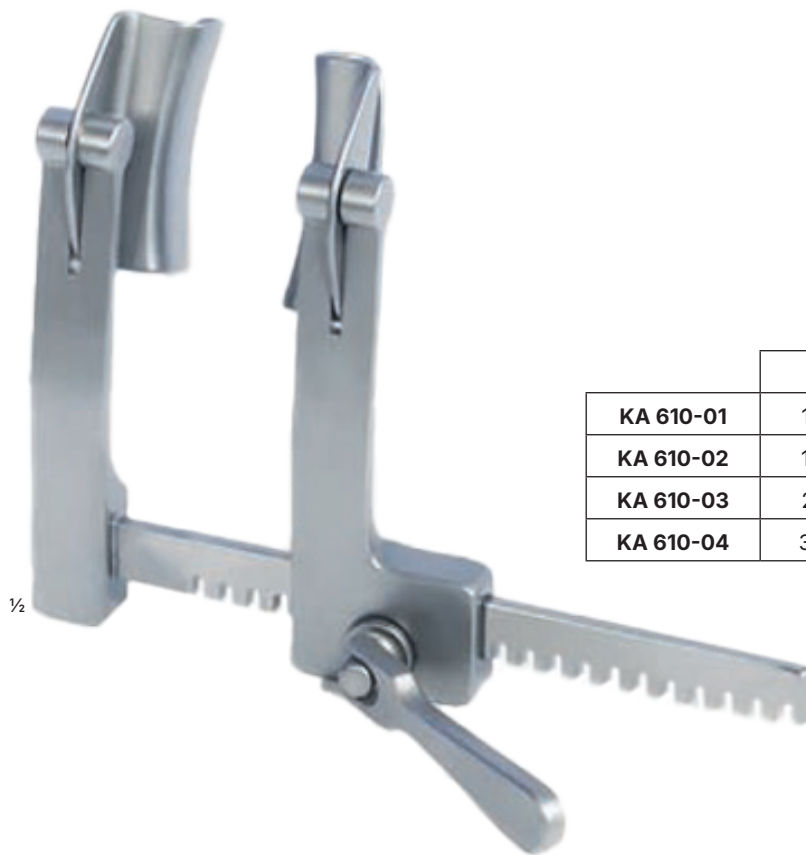
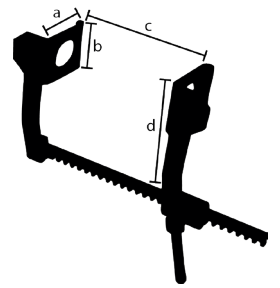
Baby Haight

	a x b	c	d
<b>KA 608-02</b>	30 × 30 mm	120 mm	90 mm



Tuffier

	a x b	c	d
<b>KA 609-01</b>	45 × 45 mm	170 mm	110 mm

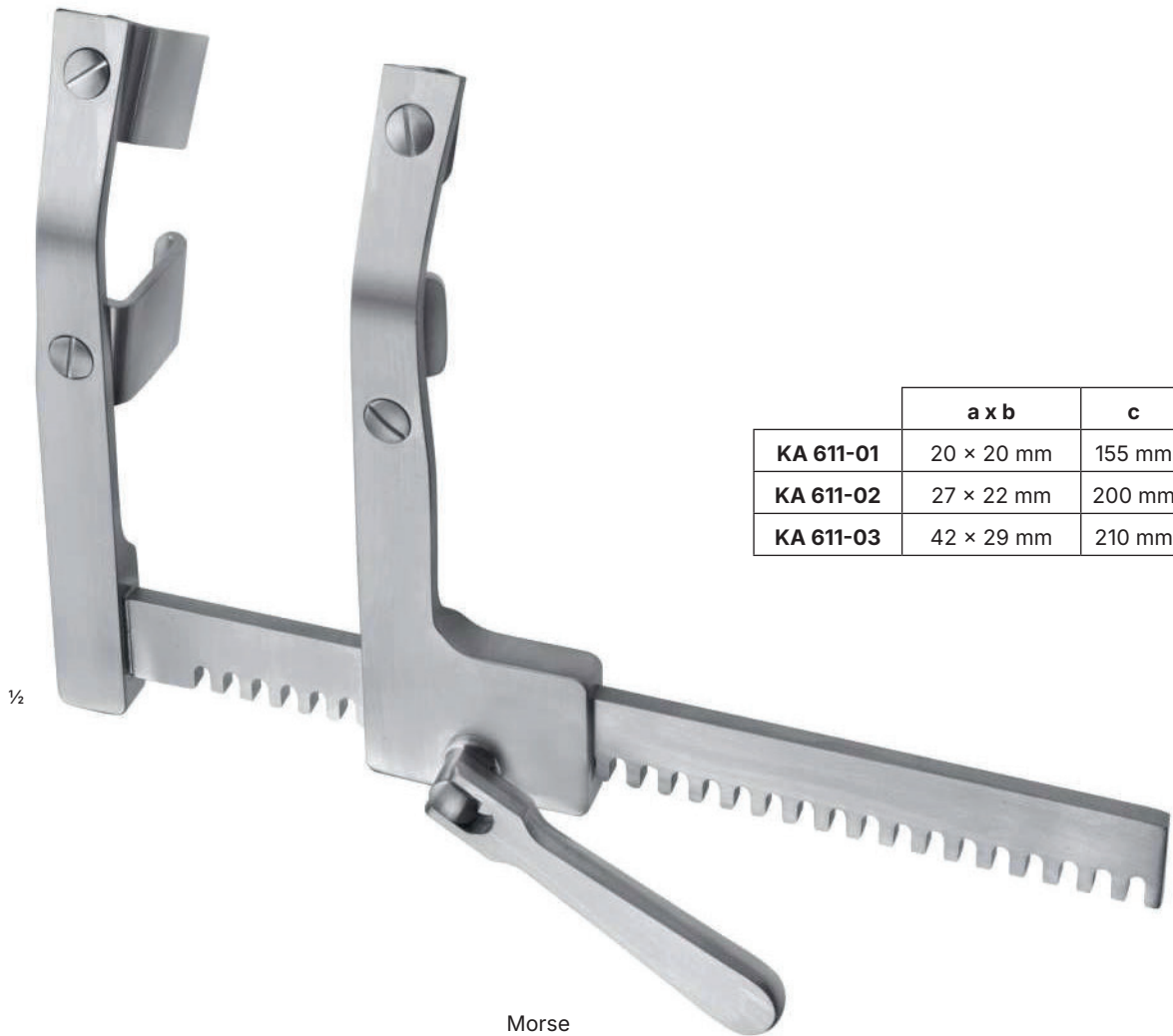
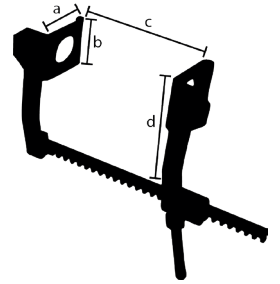


	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>KA 610-01</b>	12 × 25 mm	65 mm	75 mm
<b>KA 610-02</b>	18 × 35 mm	80 mm	90 mm
<b>KA 610-03</b>	21 × 55 mm	90 mm	110 mm
<b>KA 610-04</b>	30 × 65 mm	150 mm	150 mm



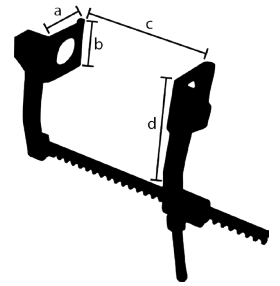
## Cardio Thoracic Retractors

Sternum and Rib Retractors



Morse

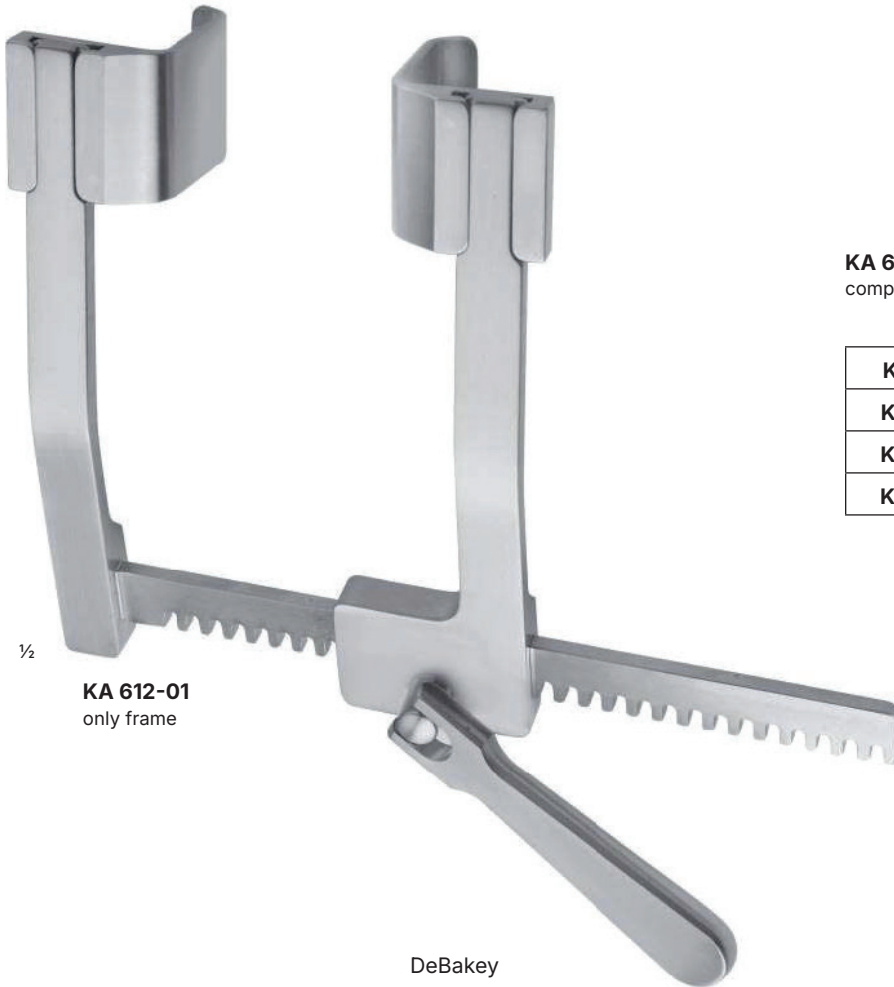
	a x b	c	d
<b>KA 611-01</b>	20 x 20 mm	155 mm	120 mm
<b>KA 611-02</b>	27 x 22 mm	200 mm	140 mm
<b>KA 611-03</b>	42 x 29 mm	210 mm	175 mm



**KA 612-00**

complete with 3 pairs of blades, small

	a x b	c	d
<b>KA 612-01</b>		150 mm	145 mm
<b>KA 612-02</b>	30 × 30 mm		
<b>KA 612-03</b>	40 × 40 mm		
<b>KA 612-04</b>	50 × 50 mm		



1/2

**KA 612-01**  
only frame

DeBaKey



1/2

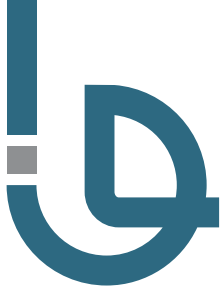
**KA 612-02**  
30 × 30 mm  
pair



**KA 612-03**  
40 × 40 mm  
pair

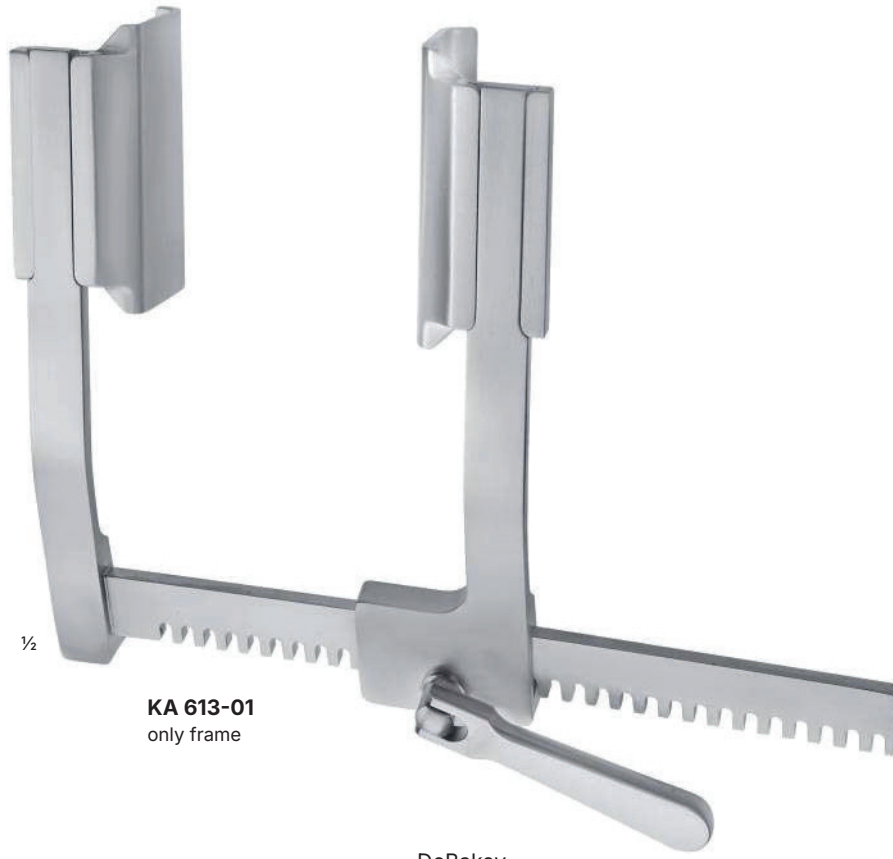
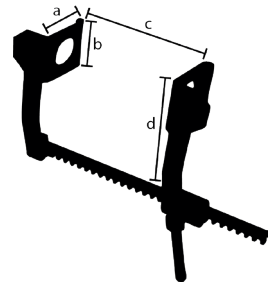


**KA 612-04**  
50 × 50 mm  
pair



## Cardio Thoracic Retractors

Sternum and Rib Retractors



**KA 613-01**  
only frame

DeBakey

**KA 613-00**  
complete with 3 pairs of blades, large

	<b>a x b</b>	<b>c</b>	<b>d</b>
<b>KA 613-01</b>		225 mm	190 mm
<b>KA 613-02</b>	60 × 60 mm		
<b>KA 613-03</b>	50 × 80 mm		
<b>KA 613-04</b>	40 × 100 mm		



½

**KA 613-02**  
60 × 60 mm  
pair



**KA 613-03**  
50 × 80 mm  
pair



**KA 613-04**  
pair  
40 × 100 mm



**KA 613-05**  
80 × 60 mm  
pair

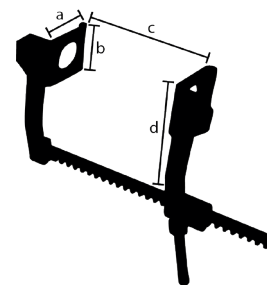


**KA 613-06**  
50 × 65 mm  
pair



## Cardio Thoracic Retractors

Sternum and Rib Retractors



**KA 614-01**  
only frame

### KA 614-00

Retractor Complete with 2 pairs of blades and IMA Bladetricio

	a x b	c	d
<b>KA 614-01</b>		140 mm	215 mm
<b>KA 614-02</b>	20 × 60 mm		
<b>KA 614-03</b>	20 × 60 mm		
<b>KA 614-04</b>	30 × 120 mm		
<b>KA 614-05</b>	30 × 100 mm		
<b>KA 614-06</b>	40 × 100 mm		

**KA 614-04**  
IMA Retractor Blade  
30 × 120 mm



**KA 614-02**  
20 × 60 mm  
Left Holding Blade

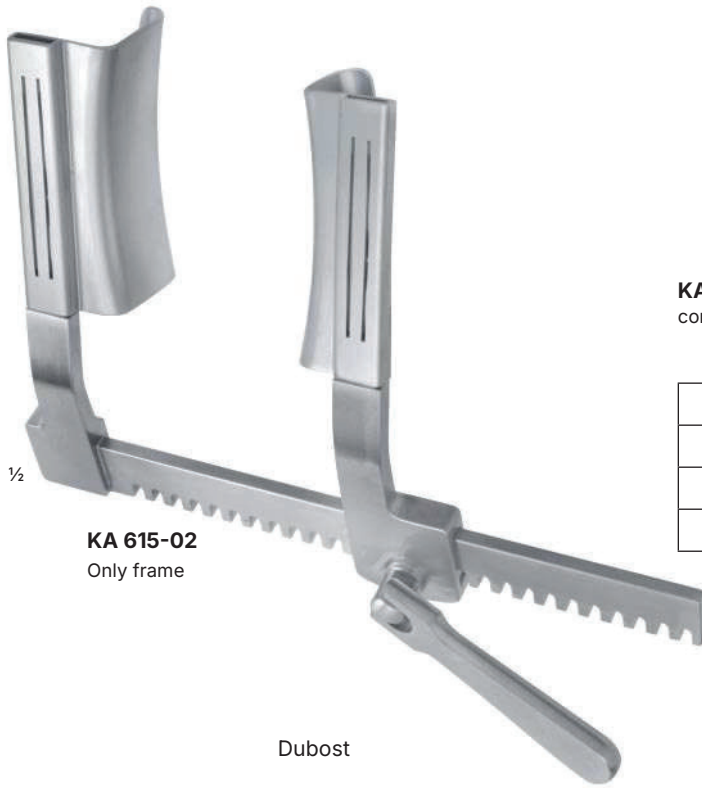
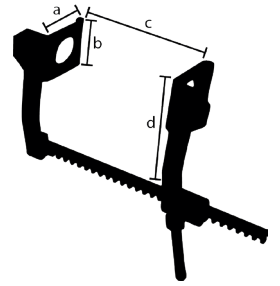
**KA 614-03**  
20 × 60 mm  
Right Holding Blade



**KA 614-05**  
30 × 100 mm



**KA 614-06**  
40 × 100 mm



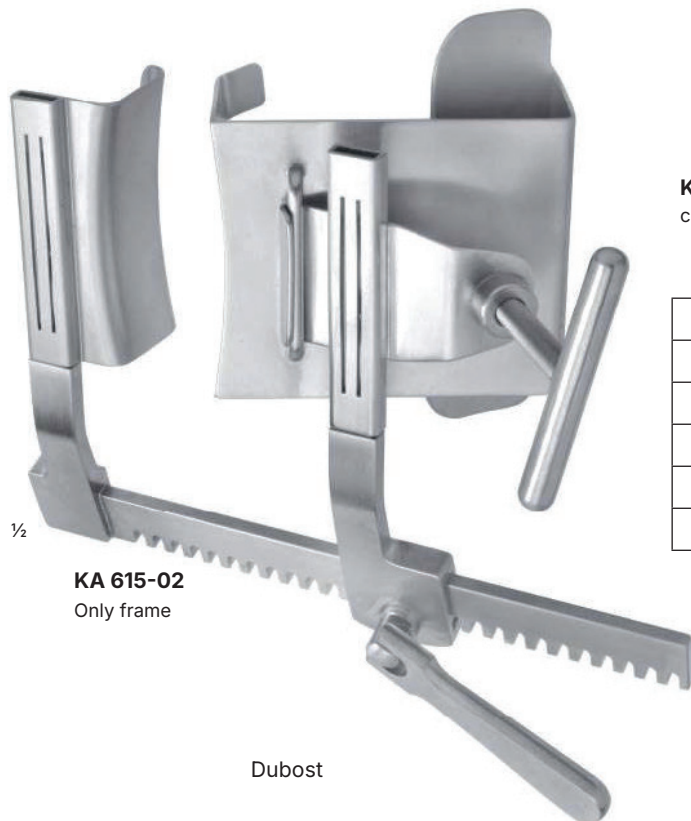
**KA 615-02**  
Only frame

Dubost

**KA 615-00**

complete with 3 pairs of blades

	a x b	c	d
<b>KA 615-02</b>		160 mm	140 mm
<b>KA 615-03</b>	30 x 100 mm		
<b>KA 615-04</b>	40 x 100 mm		
<b>KA 615-05</b>	50 x 100 mm		



**KA 615-02**  
Only frame

Dubost

**KA 615-01**

complete with sternum and IMA blades

	a x b	c	d
<b>KA 615-02</b>		160 mm	140 mm
<b>KA 615-03</b>	30 x 100 mm		
<b>KA 615-04</b>	40 x 100 mm		
<b>KA 615-05</b>	50 x 100 mm		
<b>KA 615-06</b>			
<b>KA 615-07</b>			



## Cardio Thoracic Retractors

Sternum and Rib Retractors



**KA 615-03**  
30 × 100 mm  
pair



**KA 615-04**  
40 × 100 mm  
pair



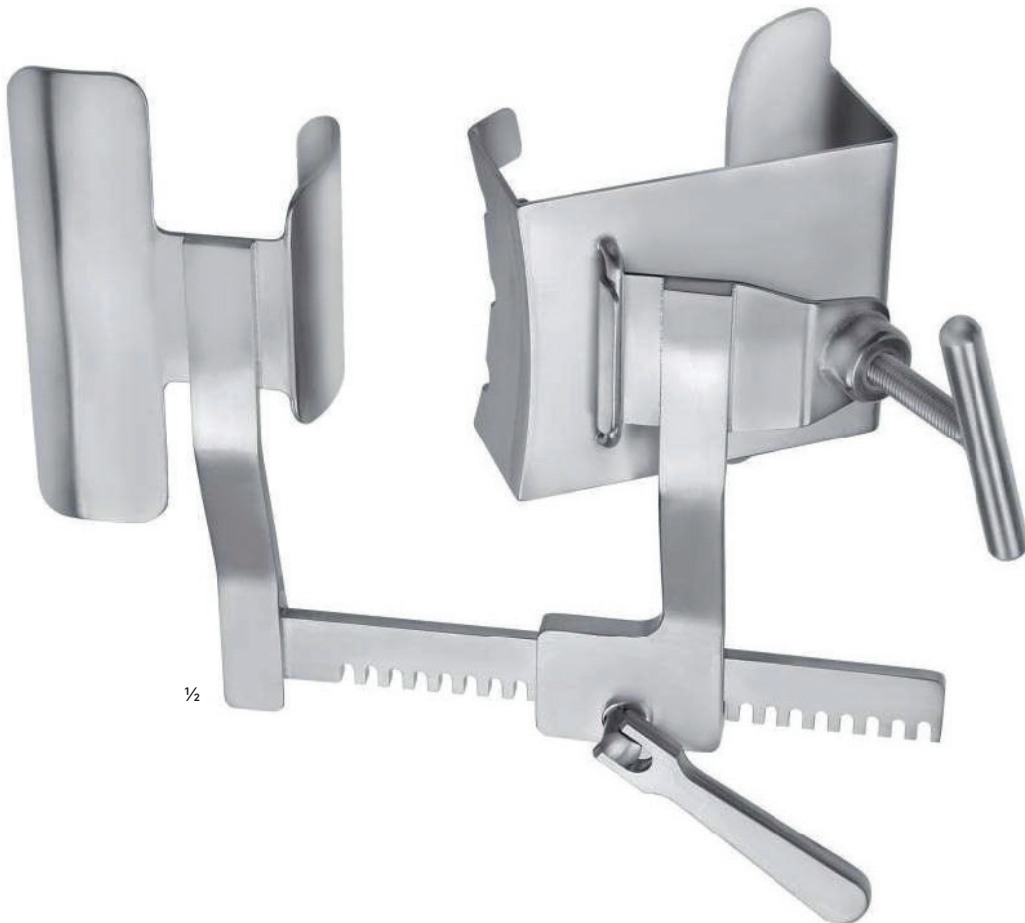
**KA 615-05**  
50 × 100 mm  
pair



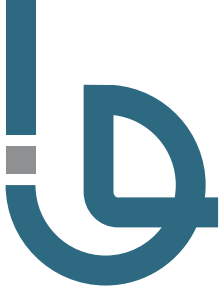
**KA 615-06**  
IMA retractor blades, 100 mm



**KA 615-07**  
IMA blade adaptor

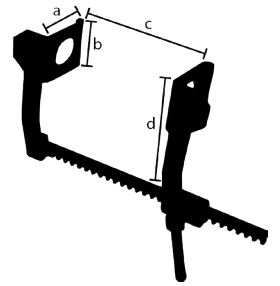


IMA retractor  
**KA 616-01**  
130×170 mm



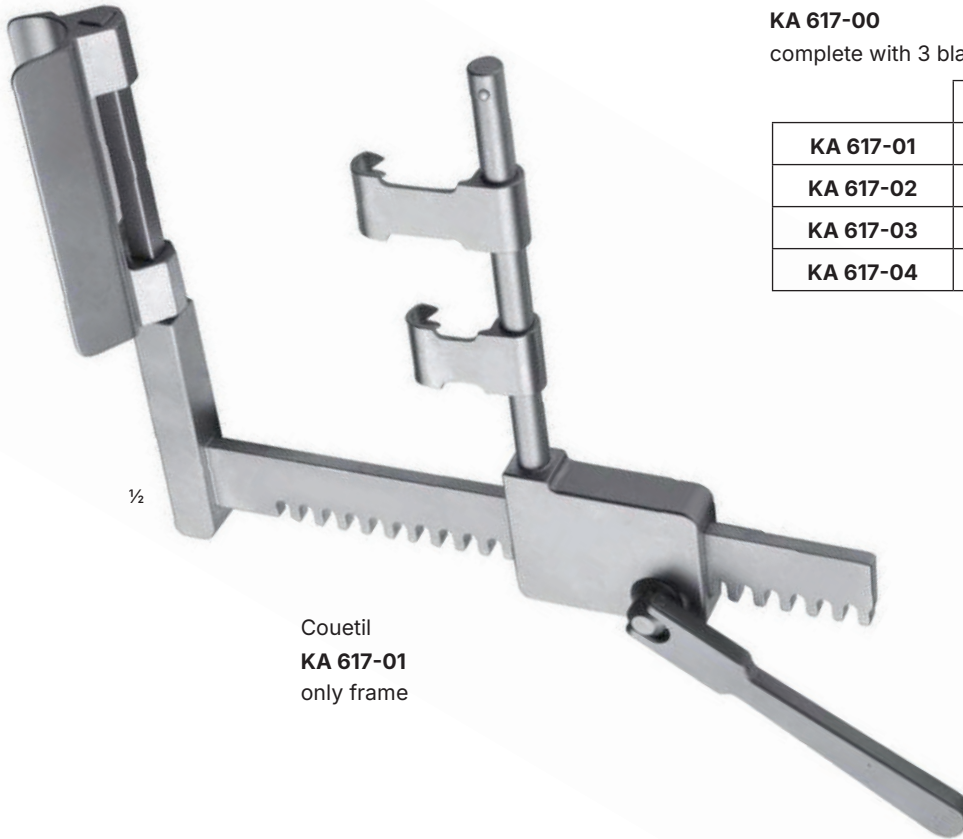
## Cardio Thoracic Retractors

Sternum and Rib Retractor, Retractor Blades



**KA 617-00**  
complete with 3 blades

	a x b	c	d
<b>KA 617-01</b>		150 mm	150 mm
<b>KA 617-02</b>	30 x 100 mm		
<b>KA 617-03</b>	50 x 22 mm		
<b>KA 617-04</b>	40 x 22 mm		



Couetil  
**KA 617-01**  
only frame



**KA 617-02**  
30 x 100 mm



**KA 617-03**  
50 x 22 mm

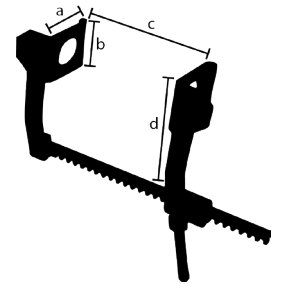


**KA 617-04**  
40 x 22 mm



1/2

**KA 618-01**  
only frame, double hinged



**KA 618-00**

Mini thoracotomy retractor with  
2 pair of blades

	a x b	c	d
<b>KA 618-01</b>		140 mm	100 mm
<b>KA 618-03</b>	45 x 37 mm		
<b>KA 618-06</b>	55 x 37 mm		



**KA 618-03**

- KA 618-02** 30 x 37 mm, pair
- KA 618-03** 45 x 37 mm, pair
- KA 618-04** 60 x 37 mm, pair

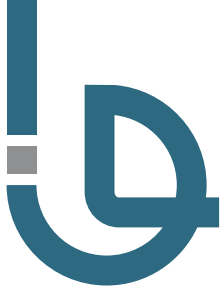


- KA 618-06** 40 x 37 mm, pair
- KA 618-05** 55 x 37 mm, pair



1/2

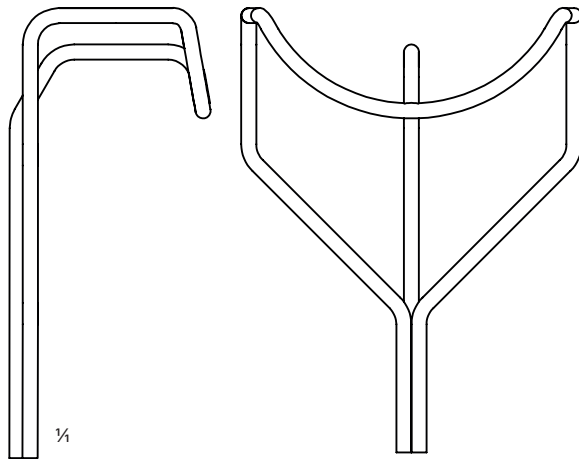
**EK 675-00**  
12 cm/ 4 5/8"  
Blade changing forceps



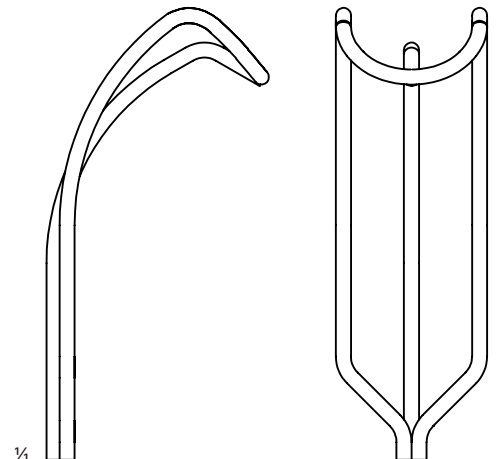
## Cardio Thoracic Retractors

Retractor Blades

Tricuspid



1/4



1/4

45 × 45 mm

16 cm / 6 3/8"

**KA 619-01**

22 cm / 8 5/8"

**KA 620-01**

60 × 20 mm

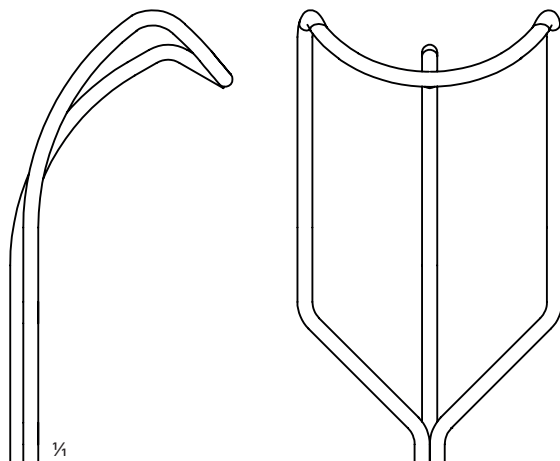
**KA 619-02**

**KA 620-02**

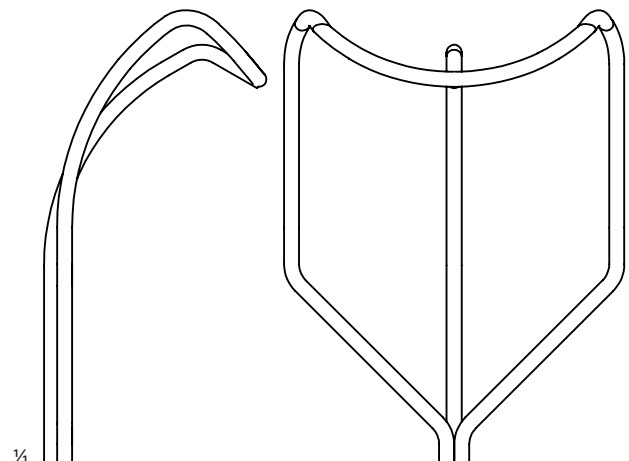


1/4

Cooley



1/4



1/4

60 × 35 mm

16,5 cm / 6 1/2"

**KA 619-03**

22 cm / 8 5/8"

**KA 620-03**

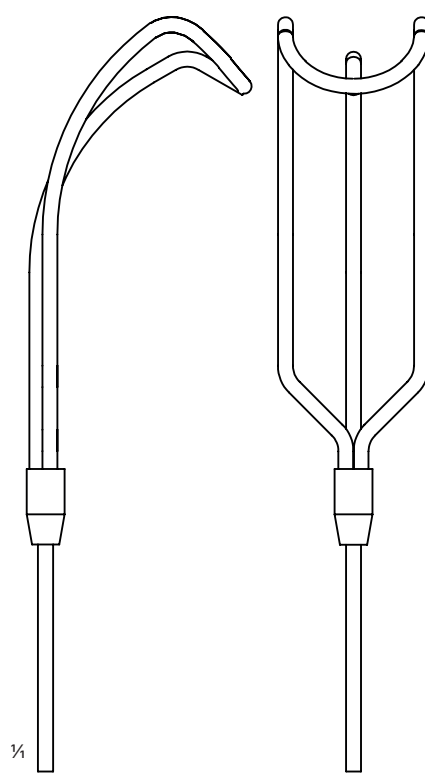
60 × 45 mm

**KA 619-04**

**KA 620-04**

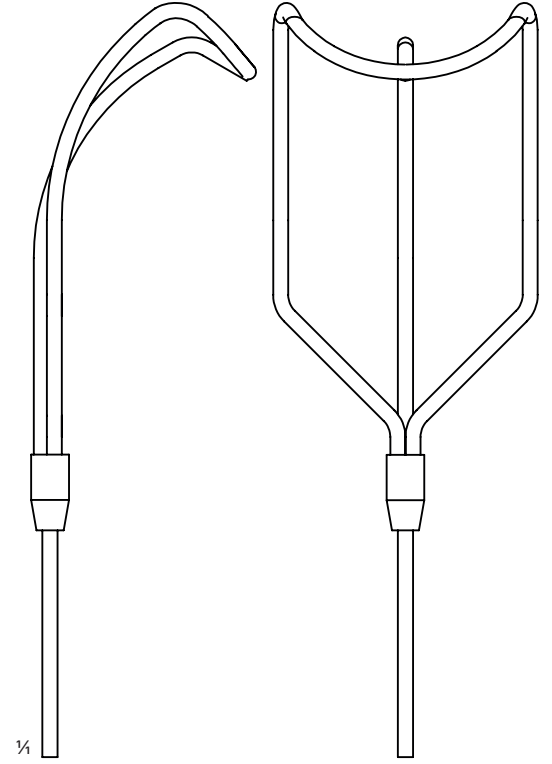


$\frac{3}{4}$   
Cooley  
22 cm / 8  $\frac{5}{8}$ "  
malleable



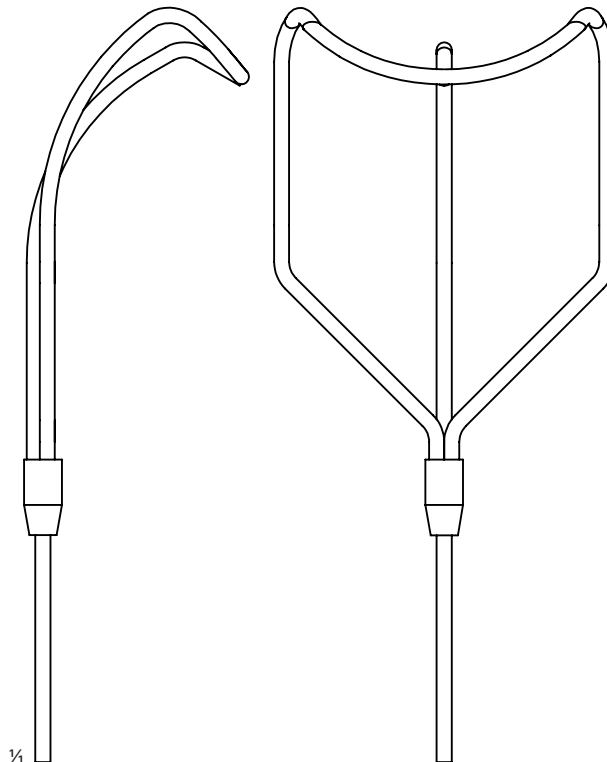
$\frac{1}{4}$

60 × 20 mm  
KA 621-01



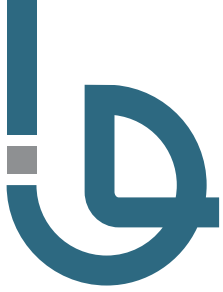
$\frac{1}{4}$

60 × 35 mm  
KA 621-02



$\frac{1}{4}$

60 × 45 mm  
KA 621-03

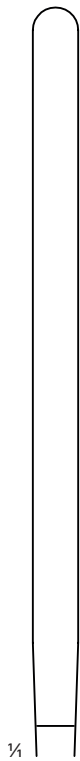


## Cardio Thoracic Retractors

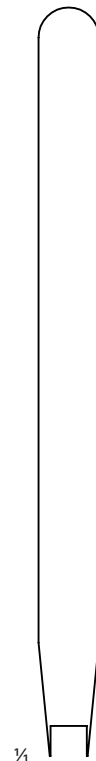
### Retractor Blades



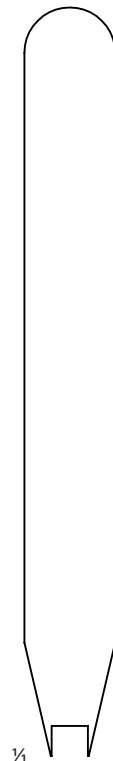
1/2  
18,5 cm / 7 1/8"  
malleable



1/4  
**KA 622-01**  
95 × 6 mm



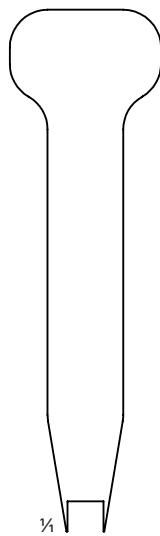
1/4  
**KA 622-02**  
95 × 8 mm



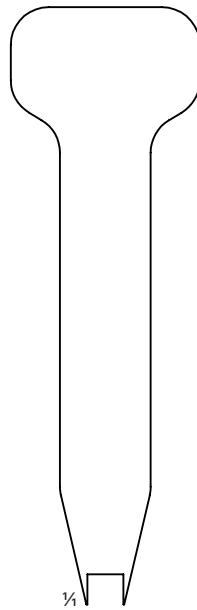
1/4  
**KA 622-03**  
95 × 12 mm



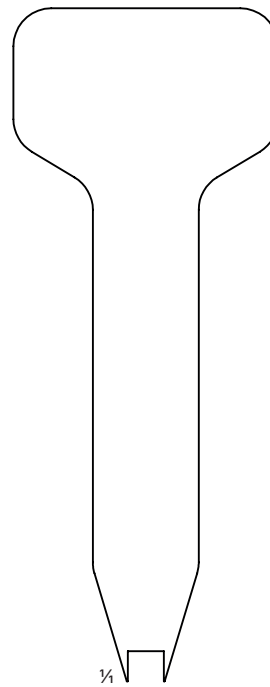
1/2  
T-shaped  
malleable



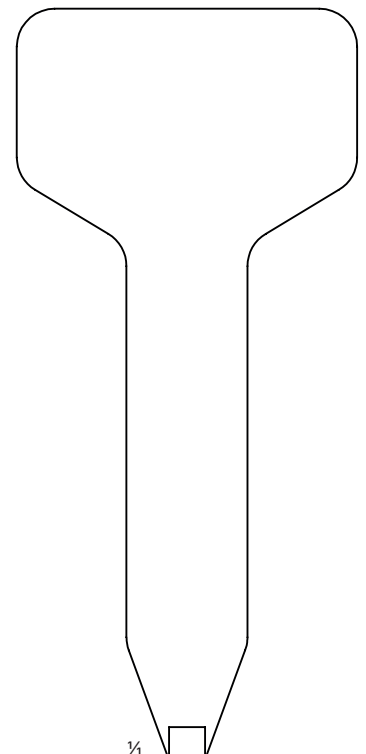
1/4  
65 × 20 mm  
**KA 624-01**  
15,5 cm / 6 1/8"



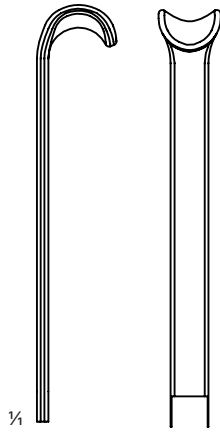
1/4  
75 × 25 mm  
**KA 624-02**  
16,5 cm / 6 1/2"



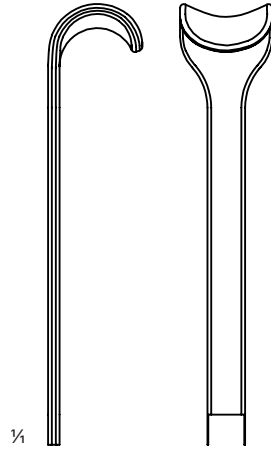
1/4  
85 × 35 mm  
**KA 624-03**  
17,5 cm / 6 7/8"



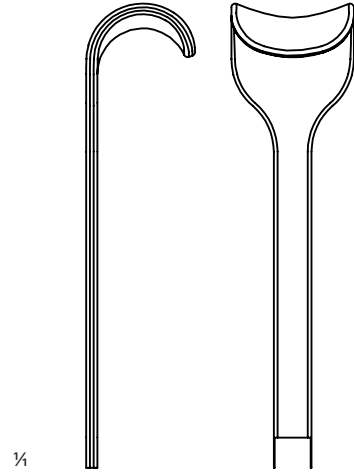
1/4  
95 × 45 mm  
**KA 624-04**  
18,5 cm / 7 1/2"



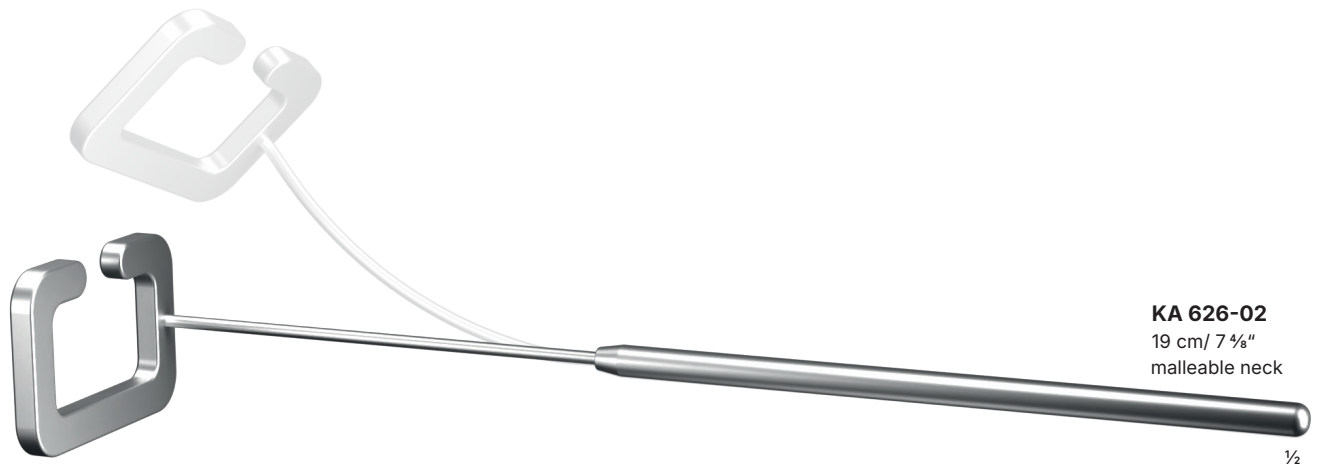
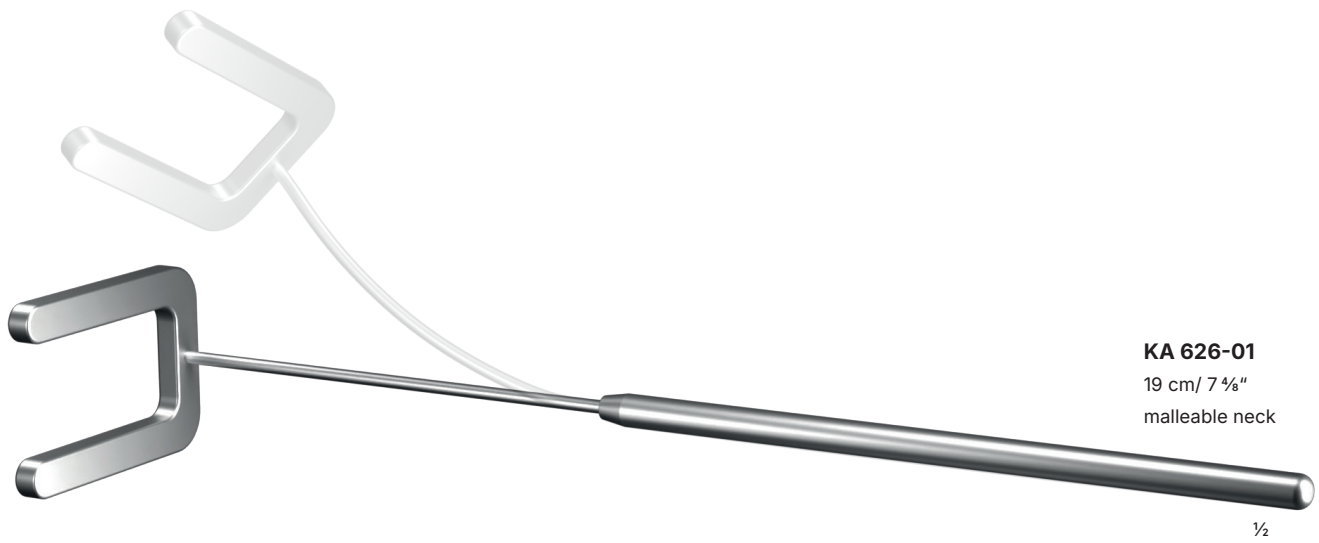
8 × 8 mm  
**KA 625-01**

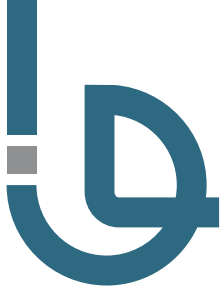


12 × 10 mm  
**KA 625-02**



16 × 12 mm  
**KA 625-03**



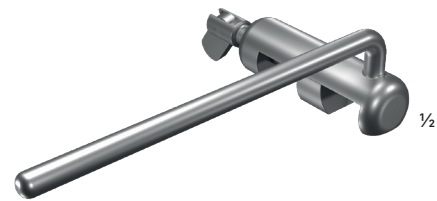


## Cardio Thoracic Retractors

Holding Elements

### KA 627-00

Holding Element with Rotatable Bar

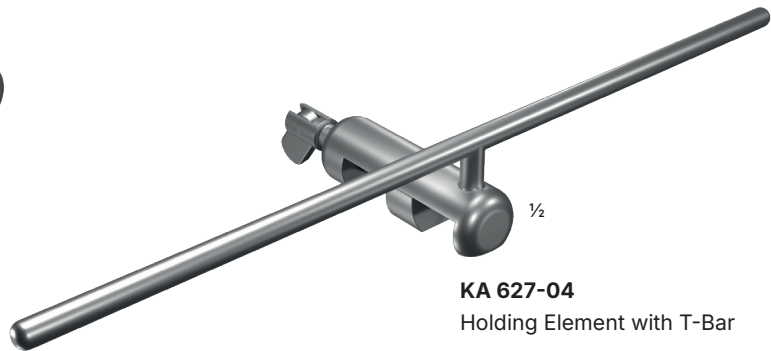


### KA 627-01

Holding Element with Lefted Bar

### KA 627-02

Holding Element with Righted Bar



### KA 627-03

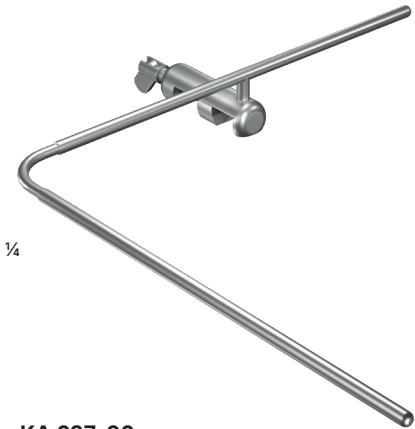
Holding Element with Backwarded Bar

### KA 627-04

Holding Element with T-Bar



**KA 627-05**  
Holding Element with Lefted L-Bar



**KA 627-06**  
Holding Element with Righted L-Bar



**KA 628-01**



**KA 628-02**



**KA 628-03**



**KA 629-00**  
Flexible Holding Arm

**KA 629-01**  
Holding Element with connector for Flexible Holding Arm



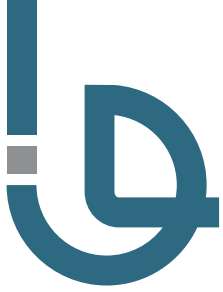
**KA 629-02** U-Shaped Stabilizer  
**KA 629-03** C-Shaped Stabilizer



**KA 629-04**  
Zenker Hook



**KA 629-05** Wire Retractor, small  
**KA 629-06** Wire Retractor, medium  
**KA 629-07** Wire Retractor, large



## Cardio Thoracic Retractors

Rib Contractors



$\frac{1}{2}$   
Bailey-Baby  
**KA 640-01**  
15,5 cm / 6  $\frac{1}{8}$ "



$\frac{1}{2}$   
Bailey  
**KA 640-02**  
20 cm / 7  $\frac{7}{8}$ "  
short claws

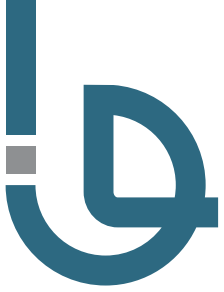


$\frac{1}{2}$   
Bailey-Gibbon  
**KA 640-13**  
20 cm / 7  $\frac{7}{8}$ "  
long claws

# Bone and Traumatology Instruments

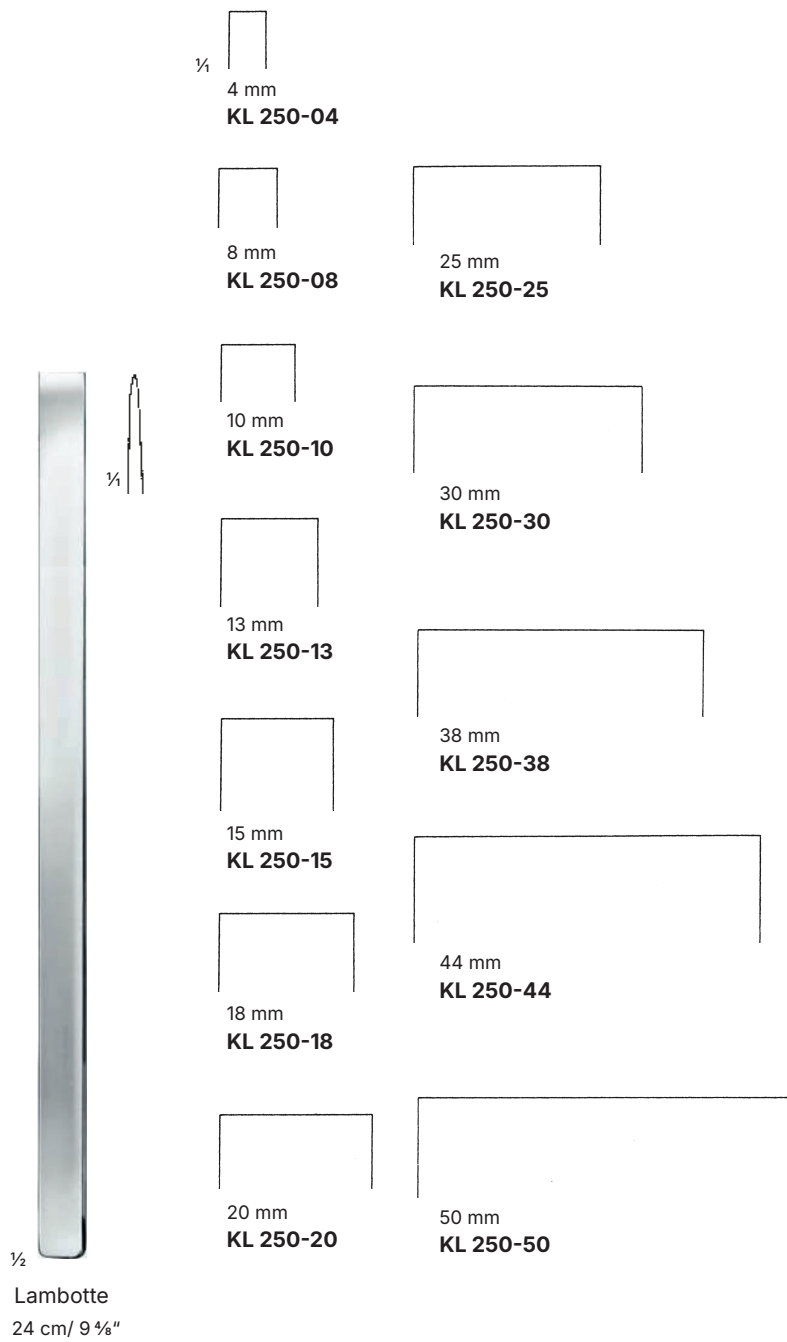
Osteotomes  
Bone Curettes  
Periosteal Raspatories  
Bone Rongeurs  
Bone Cutting Forceps  
Rib Shears  
Sternum Chisel  
Wire Holders  
Flat Nose Pliers  
Wire Cutting Pliers





## Bone and Traumatology Instruments

### Osteotomes



¼  
 Ø 3,0 mm  
 Fig.000  
**OG 250-01**

¼  
 3,5 mm  
 Fig.000  
**OG 252-01**

4 mm  
 Fig.00  
**OG 252-02**

¼  
 3,0 mm  
 Fig.0000  
**OG 254-01**

3,7 mm  
 Fig.000  
**OG 254-02**

Ø 4,0 mm  
 Fig.00  
**OG 250-02**

Ø 5,0 mm  
 Fig.0  
**OG 250-03**

5 mm  
 Fig.0  
**OG 252-03**

5,5 mm  
 Fig.1  
**OG 253-01**

4,5 mm  
 Fig.00  
**OG 254-03**

5,2 mm  
 Fig.0  
**OG 254-04**

Ø 6,0 mm  
 Fig.1  
**OG 251-01**

Ø 8,0 mm  
 Fig.2  
**OG 251-02**

6,5 mm  
 Fig.2  
**OG 253-02**

7,5 mm  
 Fig.3  
**OG 253-03**

6,8 mm  
 Fig.1  
**OG 254-05**

8,5 mm  
 Fig.2  
**OG 255-01**

Ø 10,0 mm  
 Fig.3  
**OG 251-03**

Ø 12,0 mm  
 Fig.4  
**OG 251-04**

oval spoon  
 9 mm  
 Fig.4  
**OG 253-04**

oval spoon  
 10,0 mm  
 Fig.3  
**OG 255-02**

11,5 mm  
 Fig.4  
**OG 255-03**

13 mm  
 Fig.5  
**OG 255-04**

14,5 mm  
 Fig.6  
**OG 255-05**



½  
**Bruns**  
 17 cm / 6 ⅝"



½  
**Schede**  
 17 cm / 6 ⅝"



½  
**Volkmann**  
 17 cm / 6 ⅝"

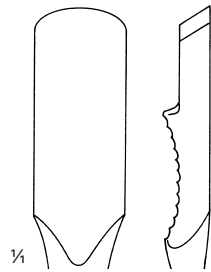


## Bone and Traumatology Instruments

### Periosteal Raspatories

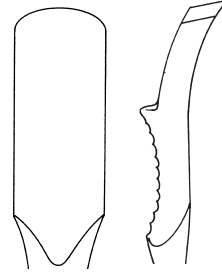


$\frac{1}{2}$   
Farabeuf  
15 cm / 5  $\frac{7}{8}$ "



12,5 mm

**OG 280-14**

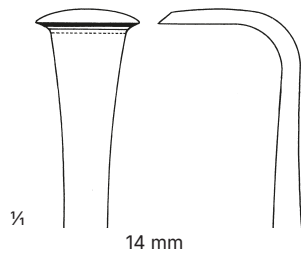


12,5 mm

**OG 281-14**



$\frac{1}{2}$   
Langenbeck  
**OG 286-18**  
19 cm / 7  $\frac{5}{8}$ "



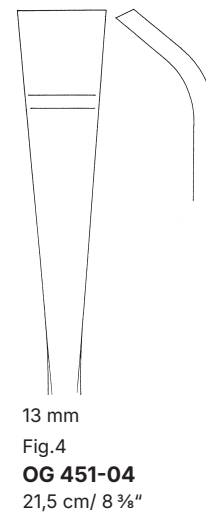
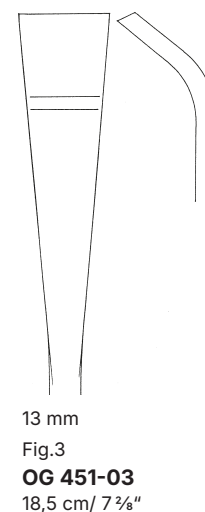
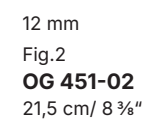
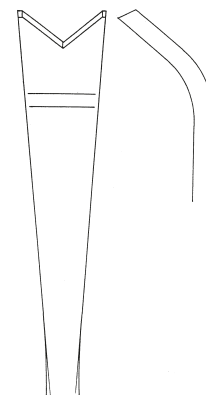
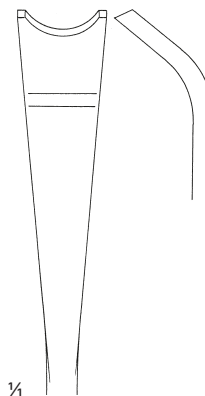
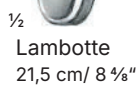
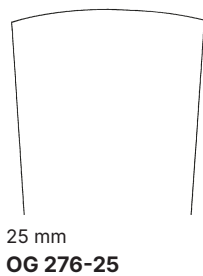
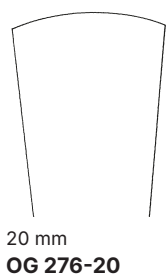
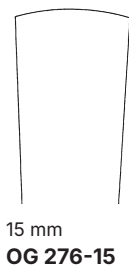
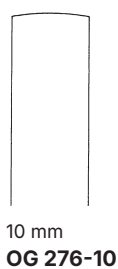
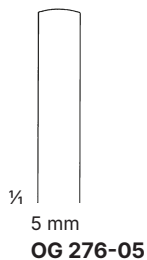
14 mm



$\frac{1}{2}$   
Langenbeck  
**OG 286-19**  
19 cm / 7  $\frac{5}{8}$ "



18 mm





## Bone and Traumatology Instruments

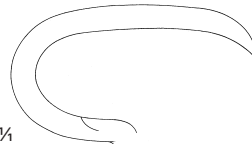
### Periosteal Raspatories



1/2

Doyen  
17,5 cm / 6 7/8"

for children



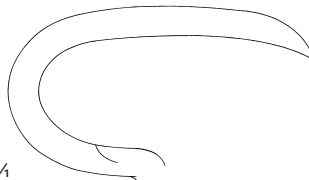
1/4

OG 424-01



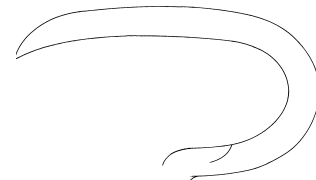
OG 424-02

for children

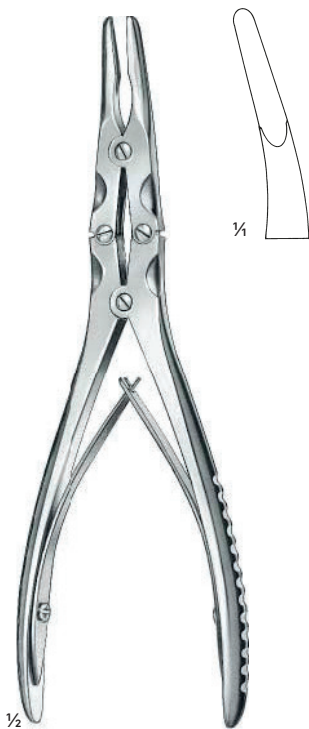


1/4

OG 423-01



OG 423-01



Beyer  
**OM 335-18**  
18 cm / 7 1/8"



Ruskin  
**OM 337-19**  
18 cm / 7 1/8"



Marquard  
**OM 340-20**  
20 cm / 7 7/8"

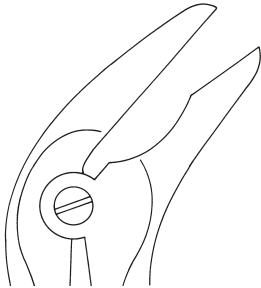


Ruskin  
**OM 338-24**  
23 cm / 9 1/8"



## Bone and Traumatology Instruments

### Bone Rongeurs



$\frac{1}{2}$   
Frykholm  
**OM 352-24**  
24 cm / 9  $\frac{1}{8}$ "



$\frac{1}{2}$   
Leksell-Stille  
**OM 354-24**  
24 cm / 9  $\frac{1}{8}$ "



$\frac{1}{2}$  Echlin  
23 cm / 9"



$\frac{1}{4}$   
**OM 350-23**



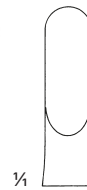
**OM 351-23**



**OM 351-25**



$\frac{1}{2}$  Stille  
**OM 353-23**  
23,5 cm / 9  $\frac{3}{8}$ "

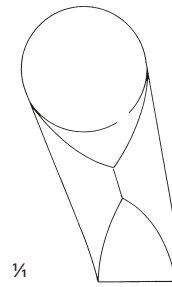
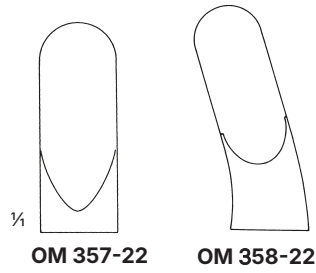
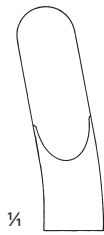


$\frac{1}{4}$



## Bone and Traumatology Instruments

### Bone Rongeurs



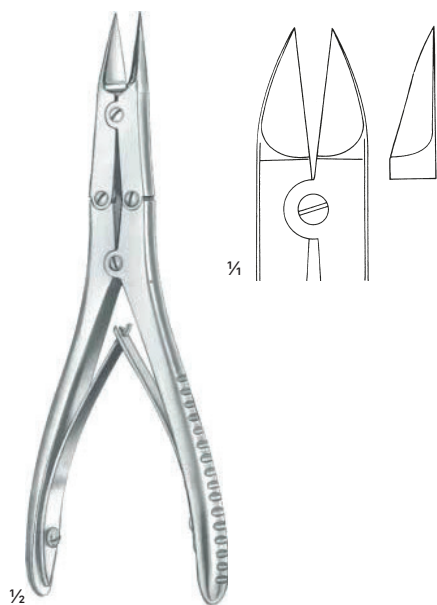
$\frac{1}{2}$   
Stille-Ruskin  
**OM 355-24**  
24 cm / 9  $\frac{3}{8}$ "



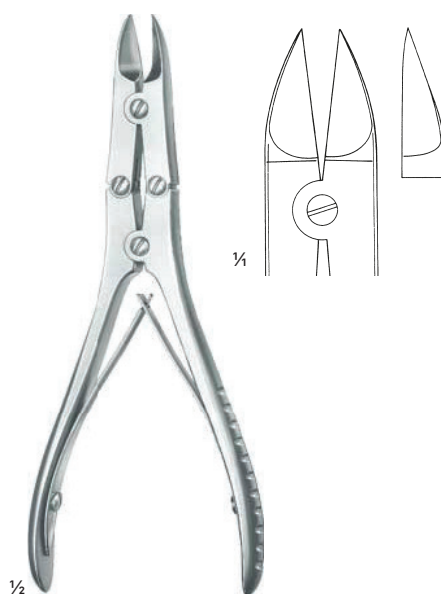
$\frac{1}{2}$   
Stille-Luer  
22,5 cm / 8  $\frac{7}{8}$ "



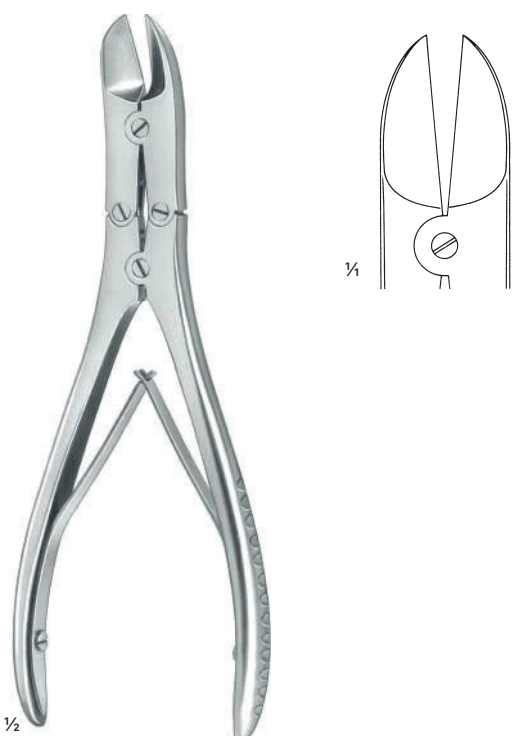
$\frac{1}{2}$   
Semb  
**OM 358-27**  
23,5 cm / 9  $\frac{3}{8}$ "



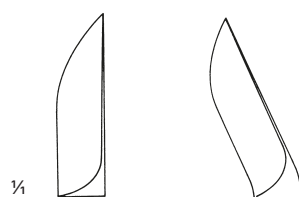
Boehler  
**OM 362-15**  
15 cm / 5 7/8"



Boehler  
**OM 363-15**  
15 cm / 5 7/8"



Ruskin-Liston



**OM 362-19**  
19 cm / 7 1/2"

**OM 363-19**  
18,5 cm / 7 3/8"

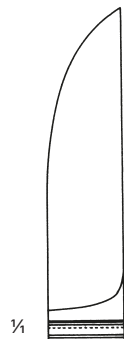


## Bone and Traumatology Instruments

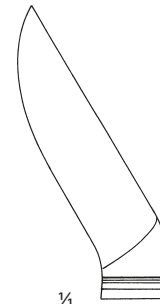
### Bone Cutting Forceps



Liston  
**OM 366-28**  
28 cm / 11"



Liston



**OM 365-24**  
24 cm / 9 5/8"



**OM 367-28**  
28 cm / 11"



1/2

Sauerbruch  
**OM 202-26**  
26 cm / 10 3/8"



1/2

Giertz-Stillé  
**OM 202-25**  
25 cm / 9 7/8"



## Bone and Traumatology Instruments

Rib Shears, Sternum Chisel



1/2

Brunner  
**OM 201-34**  
34 cm / 13 3/8"



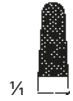
1/2

Lebsche  
**OM 202-27**  
24,5 cm / 9 5/8"

 TC



1/2



**PO 945-13**  
15 cm / 5 7/8"



**PO 945-18**  
18 cm / 7 1/8"



1/2



**PO 946-01**  
15 cm / 5 7/8"



**PO 946-02**  
18 cm / 7 1/8"



1/2

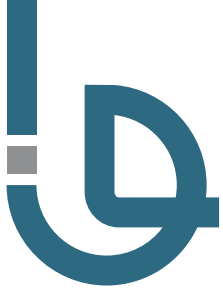
**PO 949-17**  
17 cm / 6 3/8"



1/2

**PO 947-18**  
18,5 cm / 7 3/8"  
heavy pattern





## Bone and Traumatology Instruments

### Flat Nose Pliers



18 cm / 7 1/8"

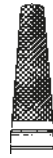
 TC



1/4

**PO 948-01**

slim



**PO 948-02**

medium



**PO 948-03**

wide



18 cm / 7 1/8"



1/4

**OF 457-02**

slim



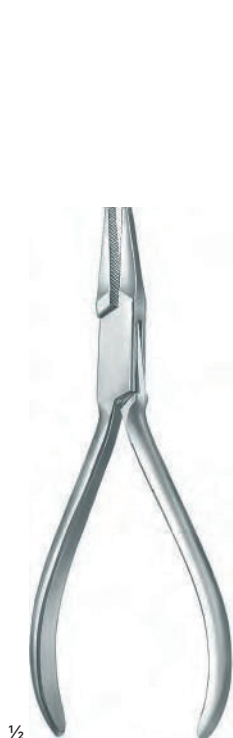
**OF 457-03**

medium



**OF 457-04**

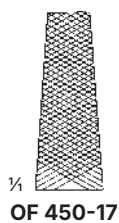
wide



$\frac{1}{2}$   
**OF 400-14**  
14 cm / 5  $\frac{3}{8}$ "



$\frac{1}{2}$   
17 cm / 6  $\frac{5}{8}$ "



$\frac{1}{4}$   
**OF 450-17**

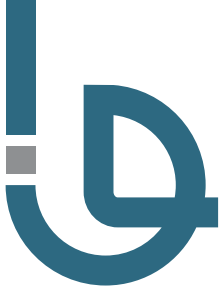


**OF 451-17**  
with crosswise groove



$\frac{1}{2}$   
**OF 452-19**  
19 cm / 7  $\frac{4}{8}$ "  
pointed

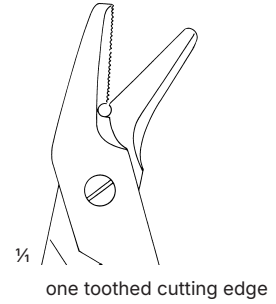




Universal  
**MA 604-12**  
12 cm / 4 7/8"  
max Ø=0,4 mm  
soft wire



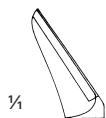
Universal  
**MA 889-12**  
12 cm / 4 7/8"  
max Ø=1,0 mm soft wire  
max Ø=0,5 mm hard wire



**OF 206-14**  
14,5 cm / 5 3/4"



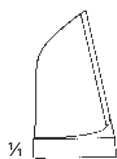
for soft wires up to  
Ø1,5 mm  
for hard wires up to  
Ø1,0 mm



for soft wires up to  
 Ø2,0 mm  
 for hard wires up to  
 Ø1,7 mm

1/2

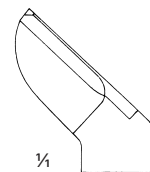
**OF 214-17**  
 17,5 cm / 6 7/8"



for soft wires up to  
 Ø3,0 mm  
 for hard wires up to  
 Ø2,2 mm

1/2

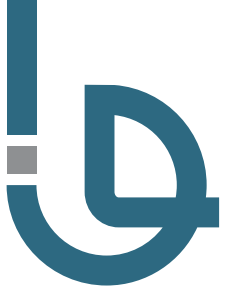
**OF 215-23**  
 23,5 cm / 9 3/8"



for soft wires up to  
 Ø2,8 mm  
 for hard wires up to  
 Ø2,2 mm

1/2

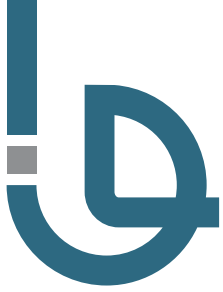
**OF 216-13**  
 23,5 cm / 9 3/8"



# Suction Tubes

Suction Tubes





## Suction Tubes

Suction Tubes



	Working length	Tube Diameter
<b>AS 100-04</b>	110 mm	Ø1,5 mm
<b>AS 100-06</b>	110 mm	Ø2,0 mm
<b>AS 100-08</b>	110 mm	Ø2,5 mm
<b>AS 100-10</b>	110 mm	Ø3,0 mm
<b>AS 100-12</b>	110 mm	Ø4,0 mm
<b>AS 100-15</b>	110 mm	Ø5,0 mm
<b>AS 101-04</b>	130 mm	Ø1,5 mm
<b>AS 101-06</b>	130 mm	Ø2,0 mm
<b>AS 101-08</b>	130 mm	Ø2,5 mm
<b>AS 101-10</b>	130 mm	Ø3,0 mm
<b>AS 101-12</b>	130 mm	Ø4,0 mm
<b>AS 101-15</b>	130 mm	Ø5,0 mm
<b>AS 102-04</b>	160 mm	Ø1,5 mm
<b>AS 102-06</b>	160 mm	Ø2,0 mm
<b>AS 102-08</b>	160 mm	Ø2,5 mm
<b>AS 102-10</b>	160 mm	Ø3,0 mm
<b>AS 102-12</b>	160 mm	Ø4,0 mm
<b>AS 102-15</b>	160 mm	Ø5,0 mm
<b>AS 103-04</b>	200 mm	Ø1,5 mm
<b>AS 103-06</b>	200 mm	Ø2,0 mm
<b>AS 103-08</b>	200 mm	Ø2,5 mm
<b>AS 103-10</b>	200 mm	Ø3,0 mm
<b>AS 103-12</b>	200 mm	Ø4,0 mm
<b>AS 103-15</b>	200 mm	Ø5,0 mm



1/2  
Frazier  
19,5 cm/ 7 5/8"

	Working length	Tube Diameter
<b>AS 120-15</b>	130 mm	Ø1,5 mm
<b>AS 120-20</b>	130 mm	Ø2,0 mm
<b>AS 120-25</b>	130 mm	Ø2,5 mm
<b>AS 120-30</b>	130 mm	Ø3,0 mm
<b>AS 120-35</b>	130 mm	Ø3,5 mm
<b>AS 120-40</b>	130 mm	Ø4,0 mm
<b>AS 120-50</b>	130 mm	Ø5,0 mm



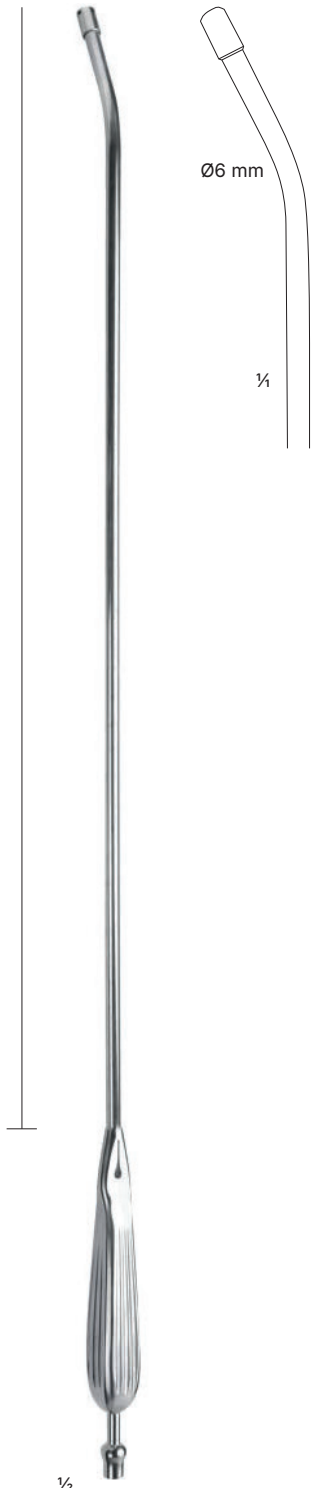
1/2  
Frazier

	Working length	Tube Diameter
<b>AS 201-02</b>	90 mm	Ø2,0 mm
<b>AS 201-03</b>	90 mm	Ø3,0 mm
<b>AS 201-04</b>	90 mm	Ø4,0 mm
<b>AS 201-05</b>	90 mm	Ø5,0 mm



## Suction Tubes

Suction Tubes



1/2

DeBakey  
**AS 352-27**



1/2

Ø10 mm  
Yankuer  
**AS 355-27**  
27 cm / 10 5/8"  
complete, with suction  
tip and connector



1/2

Ø10 mm  
**AS 356-28**  
28,5 cm / 11 3/8"



1/2

Ø10 mm  
Poole  
**AS 360-01**  
24 cm / 9 4/8"



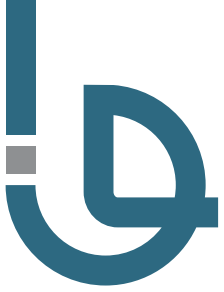
1/2

Ø8 mm  
Poole  
**AS 360-02**  
24 cm / 9 4/8"  
angled

# Others Cardio Thoracic and Vascular Instruments

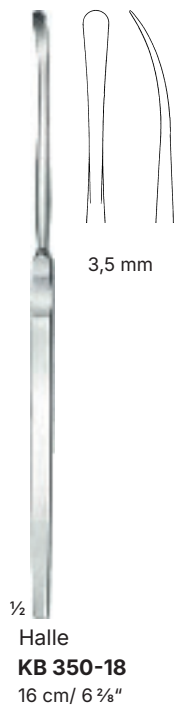
Elevators  
Varix Instruments  
Dilators  
Punches  
Rongeurs

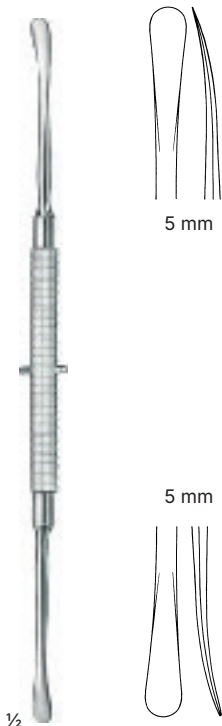




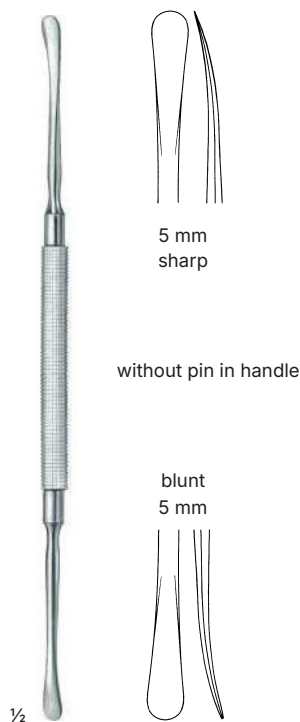
## Other Cardio Thoracic and Vascular Instruments

### Elevators





$\frac{1}{2}$   
Freer  
**KB 353-18**  
18 cm / 7  $\frac{1}{8}$ "



$\frac{1}{2}$   
Freer  
**KB 354-18**  
18 cm / 7  $\frac{1}{8}$ "

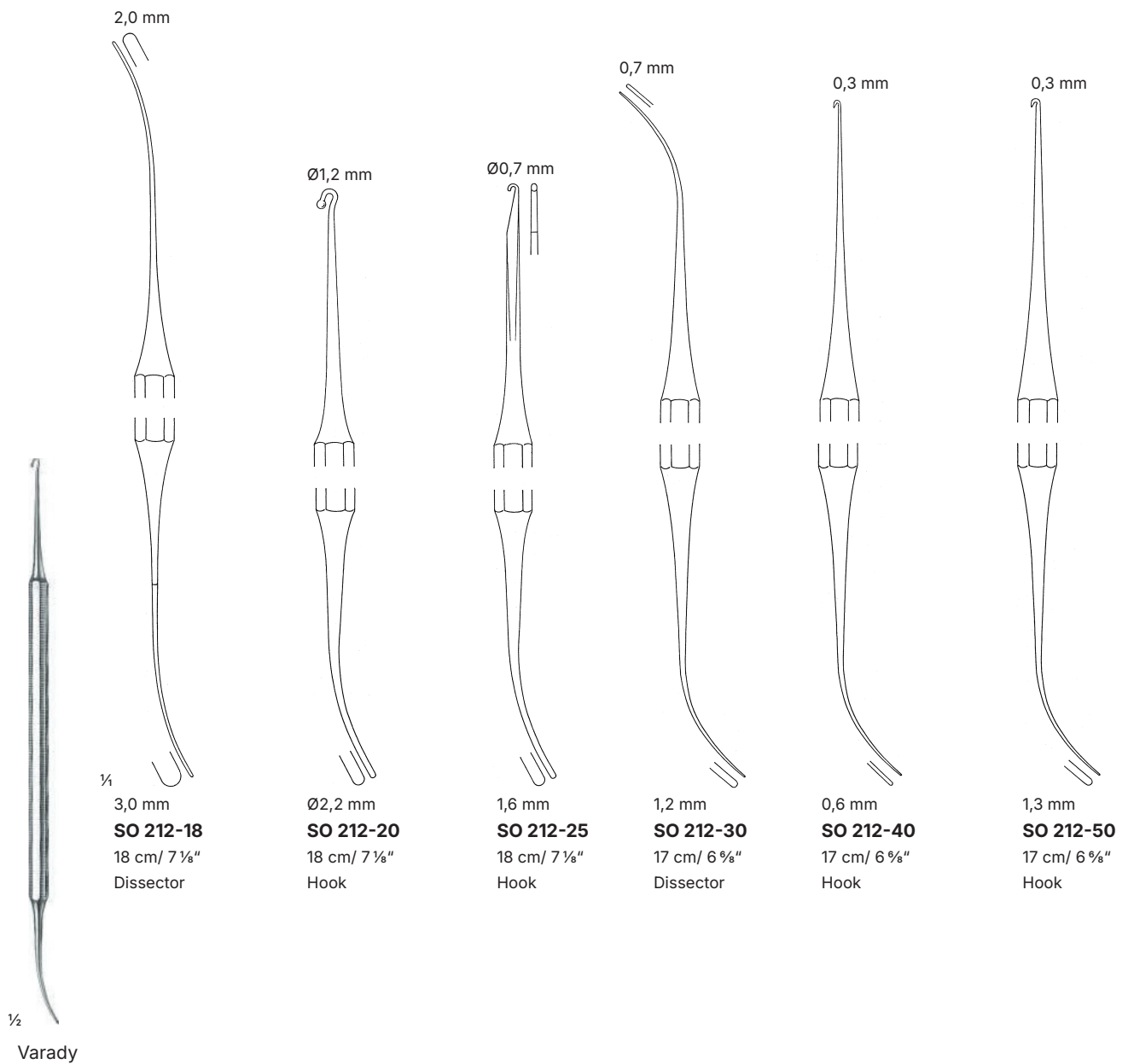


$\frac{1}{2}$   
Davis  
**KB 468-24**  
24,5 cm / 9  $\frac{5}{8}$ "



## Other Cardio Thoracic and Vascular Instruments

Varix Instruments



**SO 218-09**  
Nabatoff  
Probe Set Complete



**SO 217-03**  
Probe tip



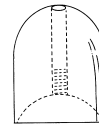
**SO 216-03**  
Probe tip  
Ø3 mm



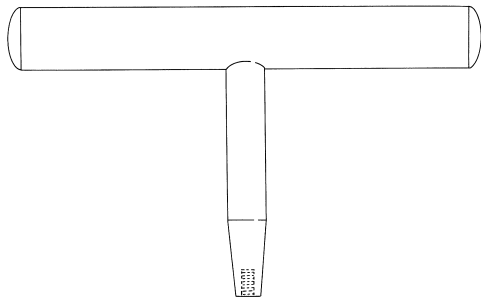
**SO 216-06**  
Probe tip  
Ø6 mm



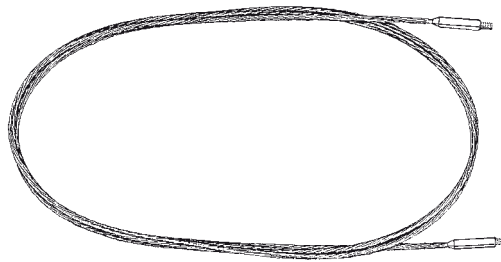
**SO 216-09**  
Probe tip  
Ø9 mm



**SO 216-12**  
Probe tip  
Ø12 mm

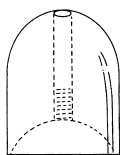


**SO 217-01**  
T-handle for SO 218-09



**SO 217-02**  
Traction Cable for SO 218-09  
90 cm  
flexible

Not included in the set











**SO 216-15**  
Probe tip  
Ø15 mm







## Other Cardio Thoracic and Vascular Instruments

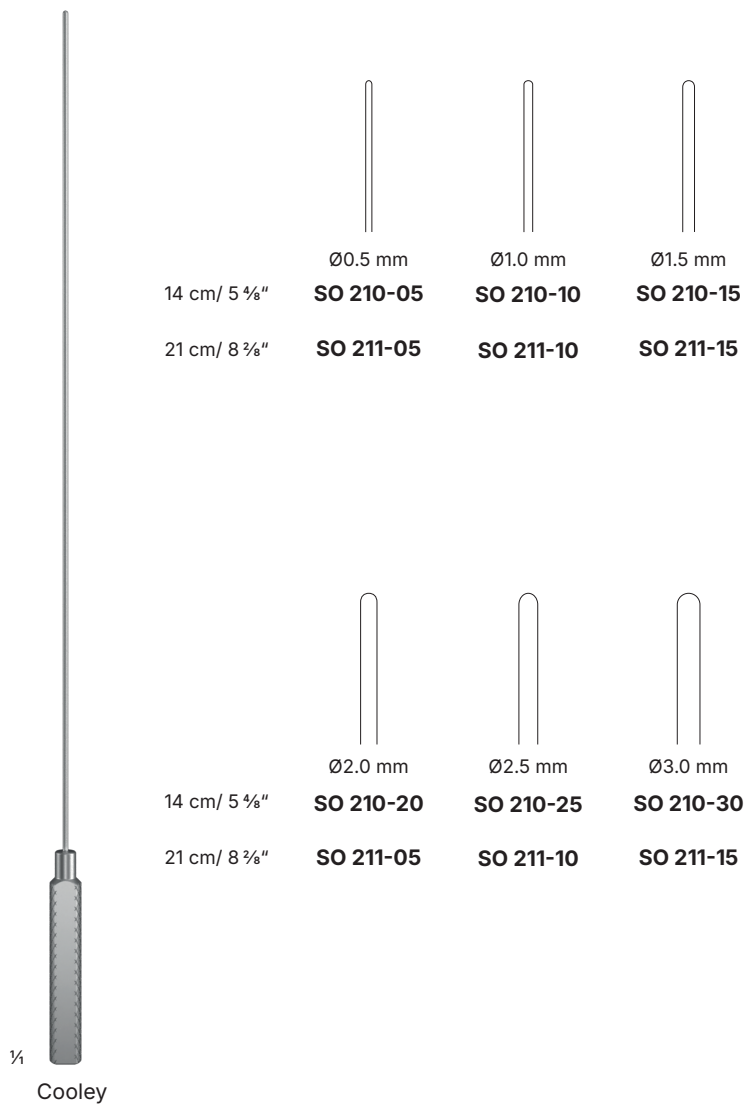
### Dilators

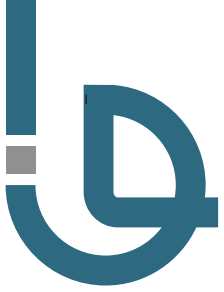
				
	Ø0.5 mm	Ø1.0 mm	Ø1.5 mm	Ø2.0 mm
14 cm/ 5 7/8"	<b>SO 501-05</b>	<b>SO 501-10</b>	<b>SO 501-15</b>	<b>SO 501-20</b>
19 cm/ 7 5/8"	<b>SO 500-05</b>	<b>SO 500-10</b>	<b>SO 500-15</b>	<b>SO 500-20</b>

				
	Ø2.5 mm	Ø3.0 mm	Ø3.5 mm	Ø4.0 mm
14 cm/ 5 7/8"	<b>SO 501-25</b>	<b>SO 501-30</b>	<b>SO 501-35</b>	<b>SO 501-40</b>
19 cm/ 7 5/8"	<b>SO 500-25</b>	<b>SO 500-30</b>	<b>SO 500-35</b>	<b>SO 500-40</b>

				
	Ø4.5 mm	Ø5.0 mm	Ø7.0 mm	Ø9.0 mm
14 cm/ 5 7/8"	<b>SO 501-45</b>	<b>SO 501-50</b>	<b>SO 501-70</b>	<b>SO 501-90</b>
19 cm/ 7 5/8"	<b>SO 500-45</b>	<b>SO 500-50</b>	<b>SO 500-70</b>	<b>SO 500-90</b>

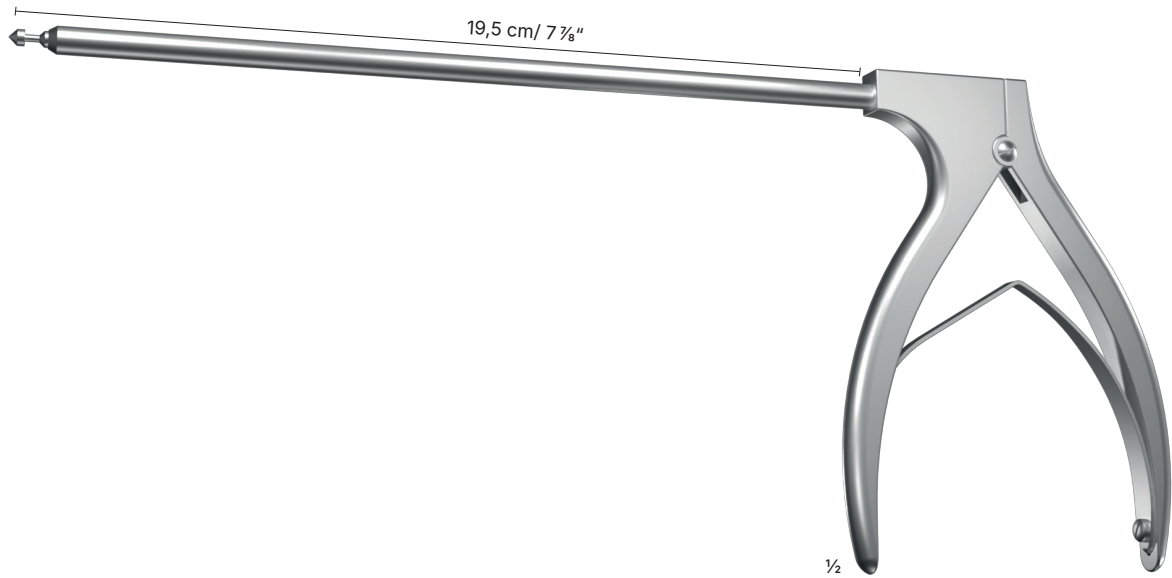






## Other Cardio Thoracic and Vascular Instruments

### Punches

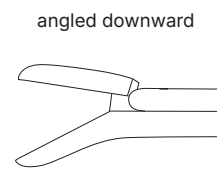
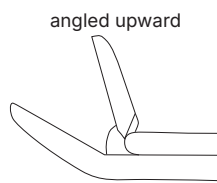
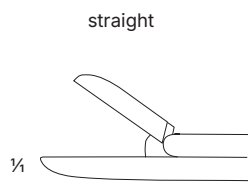
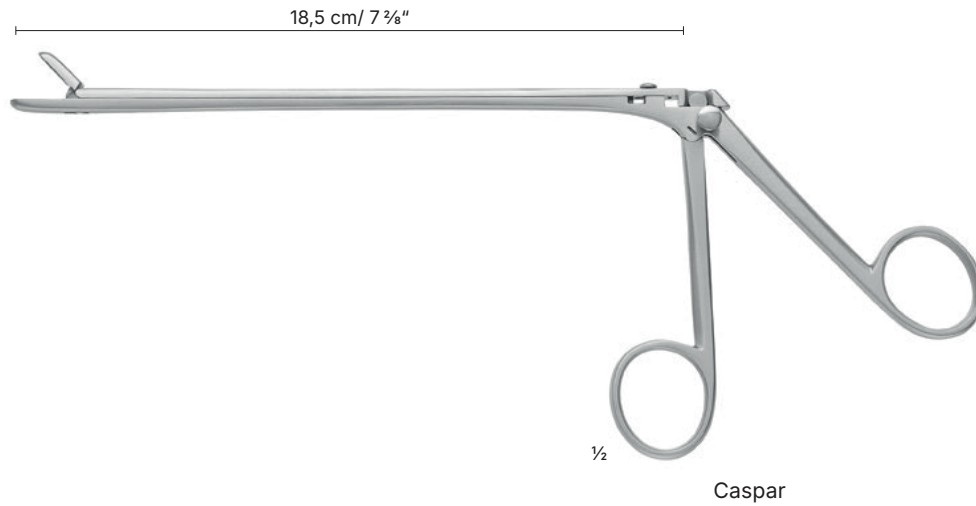


<b>KA 660-01</b>	Ø3 mm	
<b>KA 660-02</b>	Ø3,5 mm	
<b>KA 660-03</b>	Ø4 mm	
<b>KA 660-04</b>	Ø5 mm	



15 cm / 5 7/8"

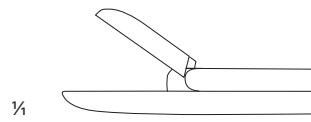
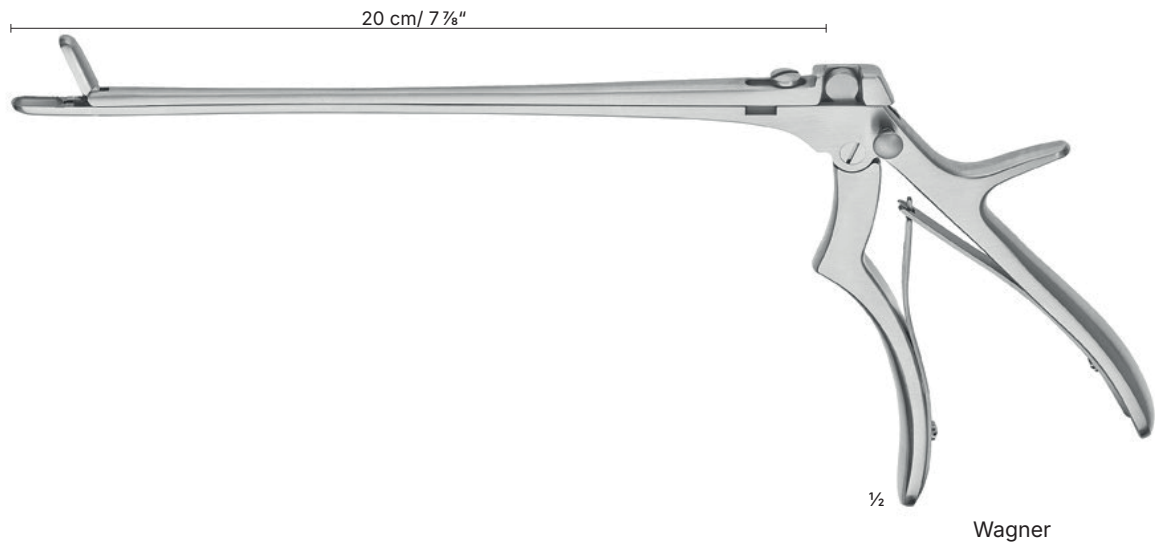
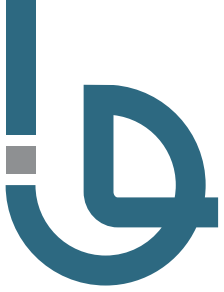
<b>KA 661-02</b>	Ø3 mm
<b>KA 661-01</b>	Ø3,5 mm
<b>KA 661-03</b>	Ø4 mm
<b>KA 661-04</b>	Ø5 mm



2 mm		<b>RG 315-18</b>
3 mm		<b>RG 316-18</b>
4 mm		<b>RG 317-18</b>
5 mm		<b>RG 318-18</b>
6 mm		<b>RG 319-18</b>

<b>RG 340-18</b>
<b>RG 341-18</b>
<b>RG 342-18</b>

<b>RG 360-18</b>
<b>RG 361-18</b>



3 mm 

**RG 374-05**

4 mm 

**RG 375-05**

5 mm 

**RG 376-05**







+90 242 311 1 654

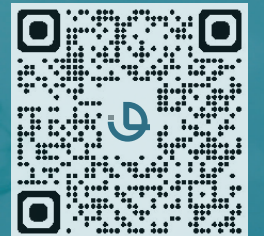
info@idolcerrahi.com

İdol Hastane Ürünleri San. Tic. A.Ş.

Altınova Sinan mah. 39/1 sk. No:75 Posta kodu:07170

ANTALYA / TÜRKİYE

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