



**TREAL SURGICAL**  
Manufacturers & Exporters of Surgical, Dental Instruments

# SURGICAL INSTRUMENTS

We are Manufacturers & Exporters of Surgical Instruments





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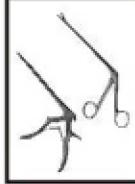
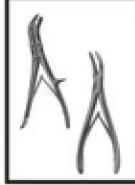




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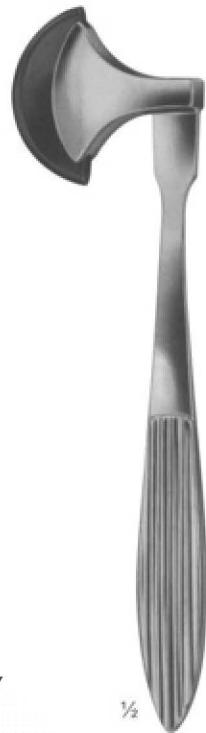




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## Percussion Hammers and Aesthesiometers





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## Stethoscopes



01-110  
PINARD (Aluminum)  
Size: 155 mm



01-111  
wooden  
Size: 145 mm



01-112  
BOWLES  
Stethoscope  
with diaphragm



01-113  
ANESTOPHON



01-114  
FORD-BOWLES  
Dual chest piece  
with two outlets



01-115  
BOWLES

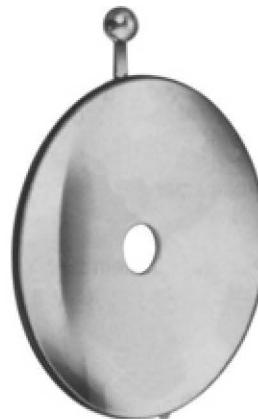


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## Head Mirrors and Head Bands



01-116  
ZIEGLER Ø 90mm  
head mirror only  
with rubber coating



01-117  
ZIEGLER Ø 90mm  
head mirror only  
with metal coating

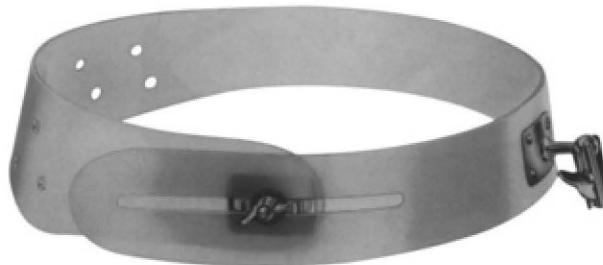


01-118  
ZIEGLER  
head band of plastic black



01-120  
MURPHY  
head band of celluloid, white

01-119  
ZIEGLER  
head band of plastic white



01-121  
head band of plastic,  
white, soft pattern

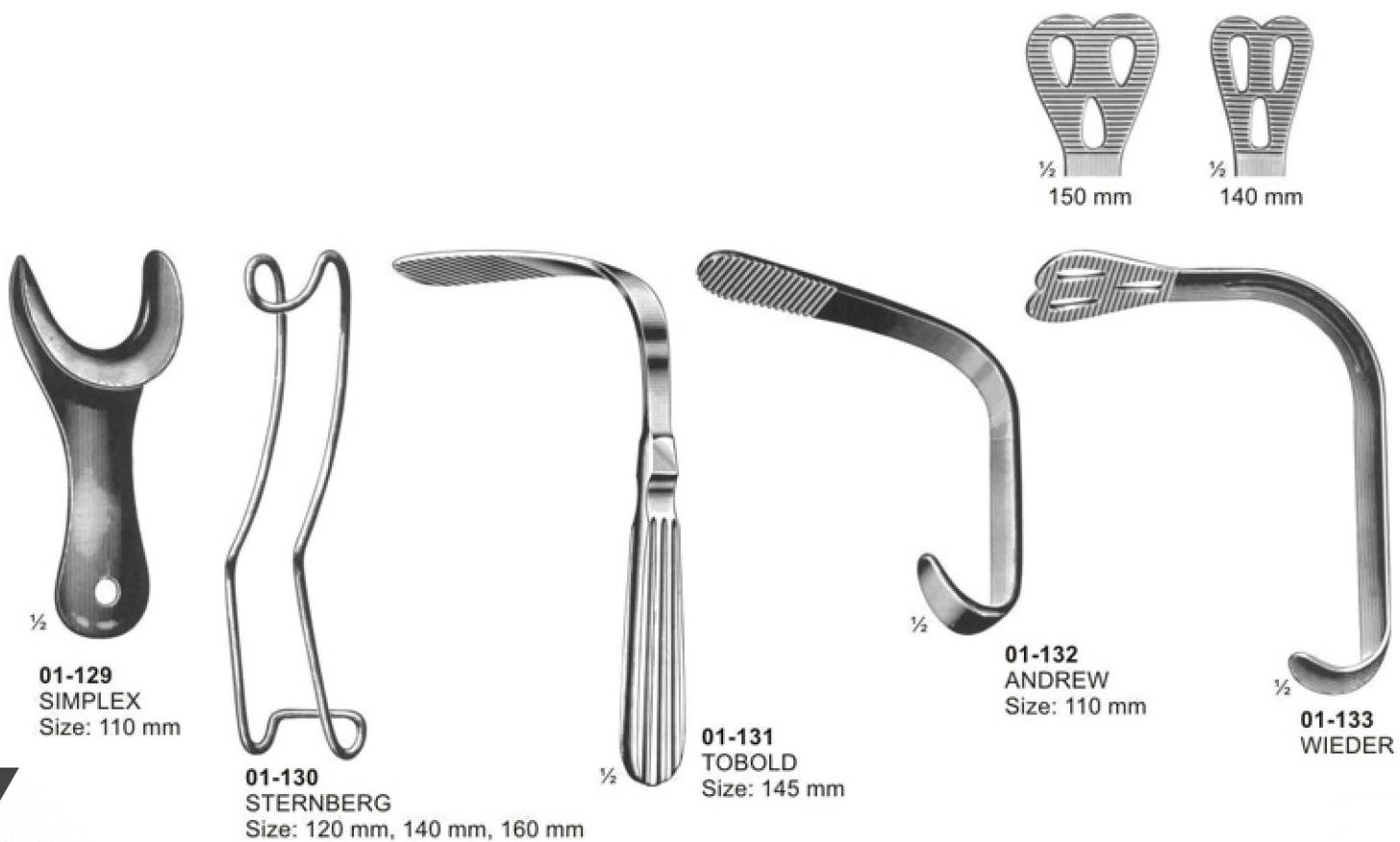
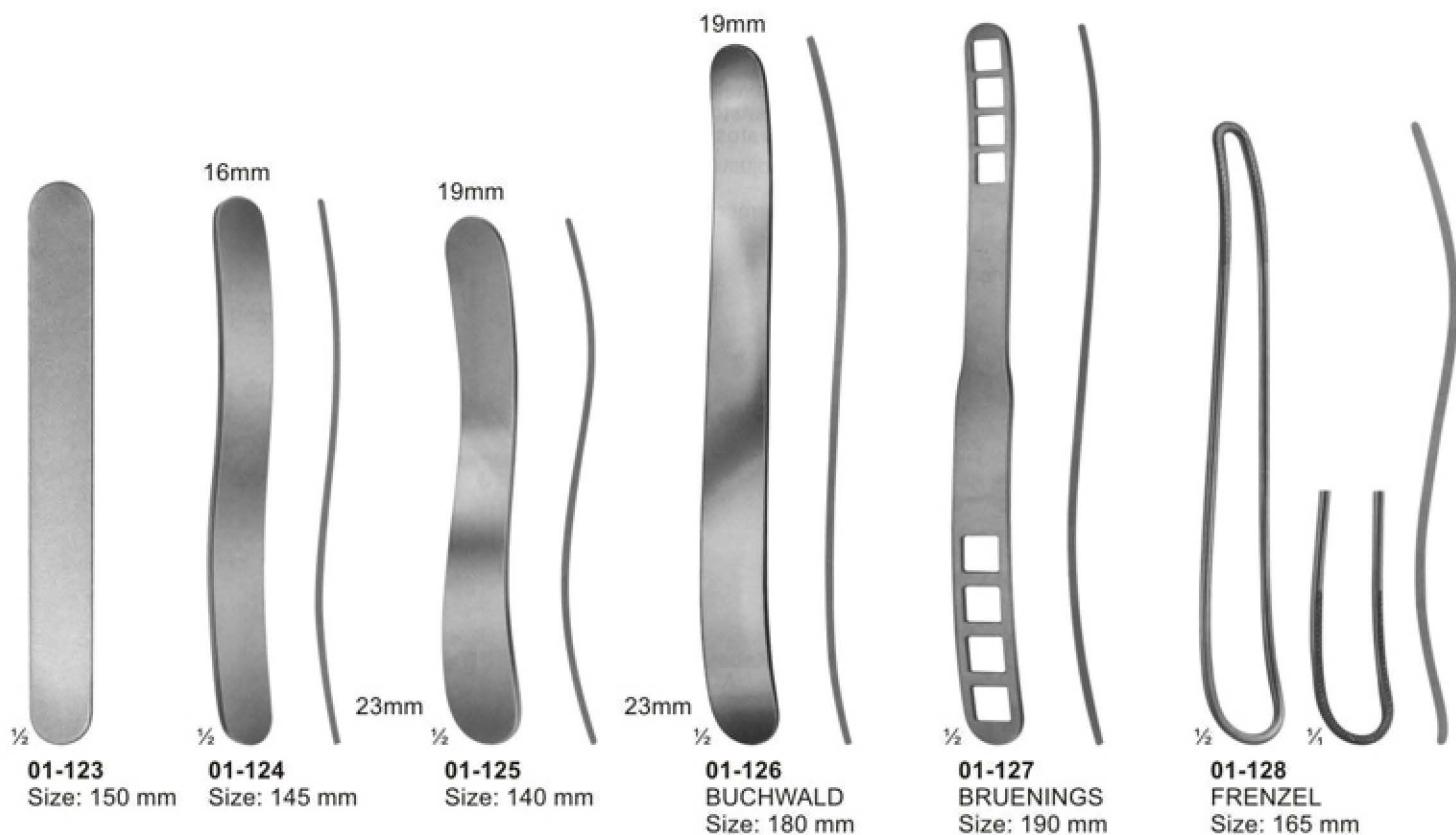


01-122  
head mirror with black  
plastic head band.

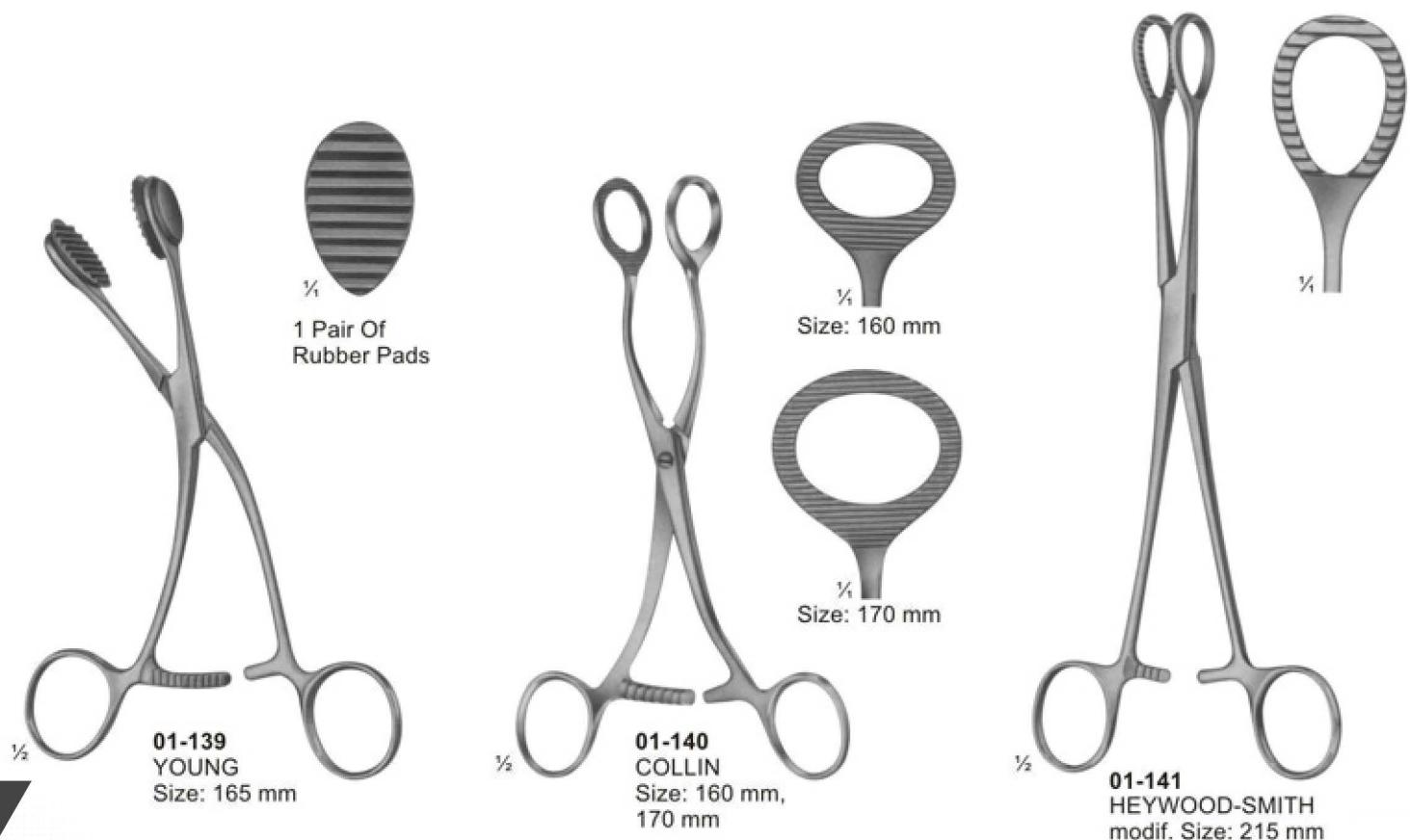
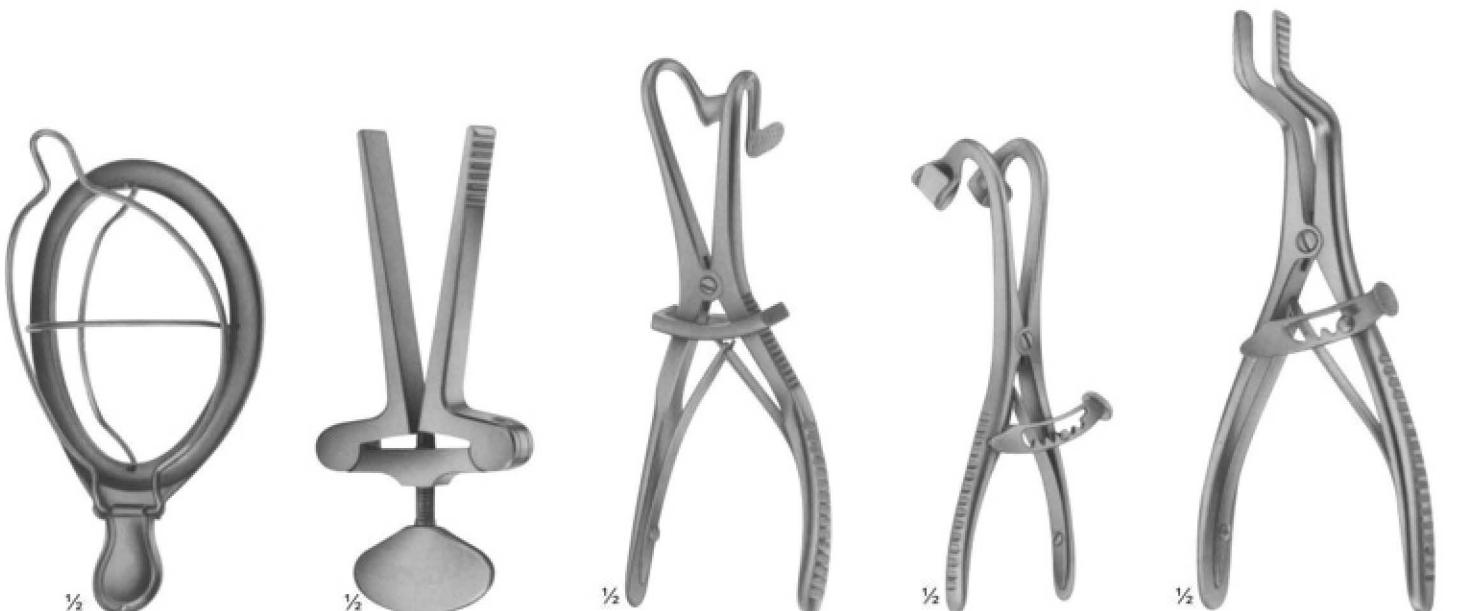


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## Tongue Depressors



## Instruments for Anaesthesia and Tongue Forceps

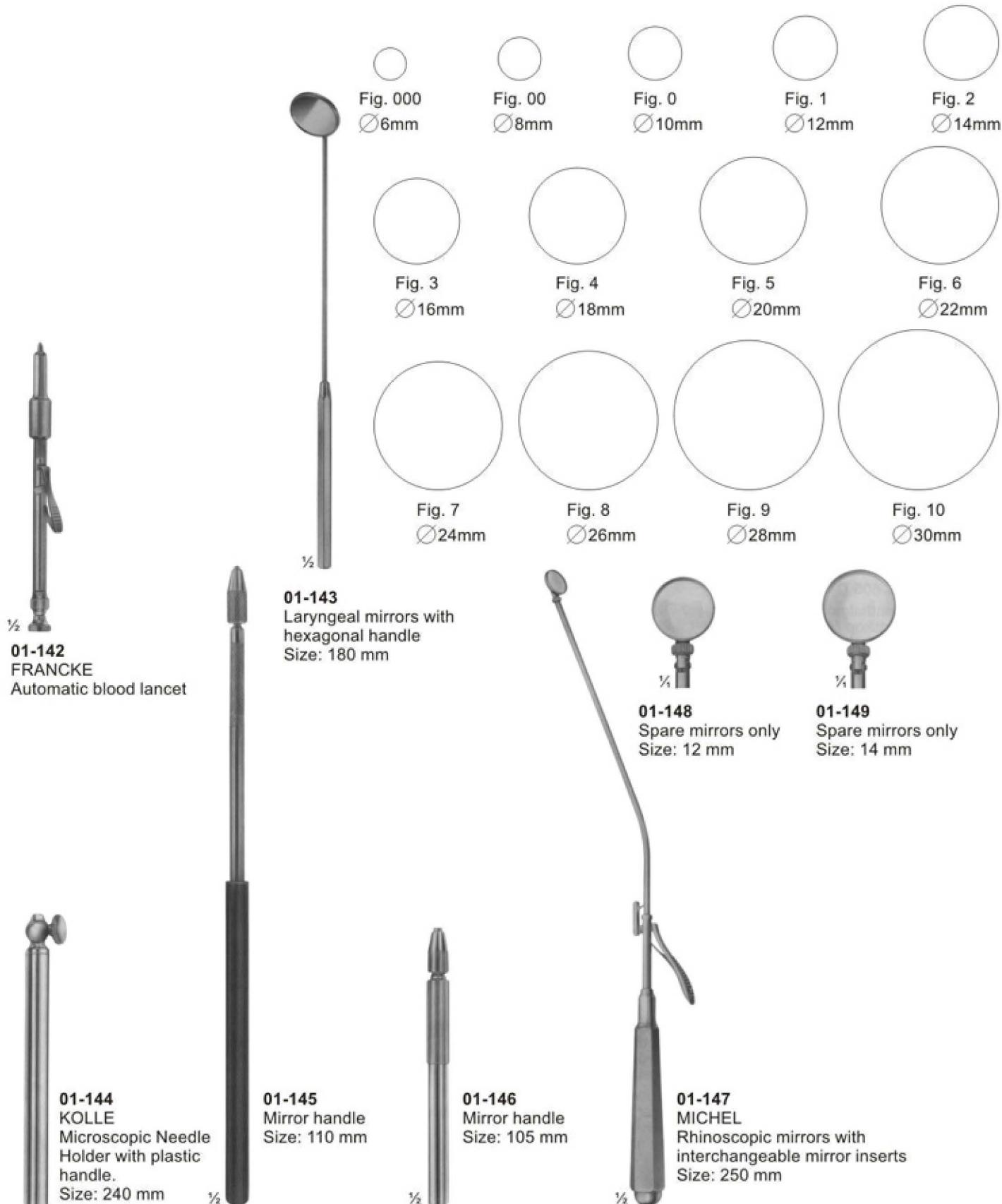




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## Blood Lancets and Laryngeal Mirrors

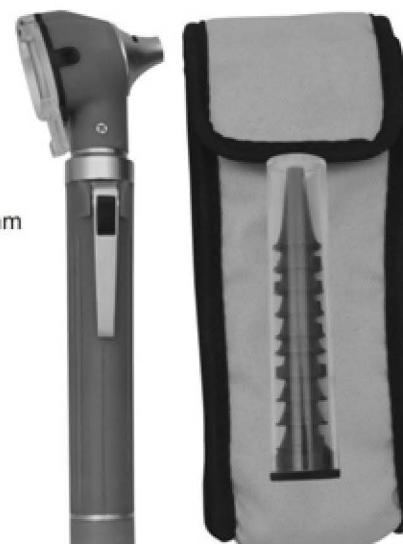


## Laryngoscope and Diagnostic Sets



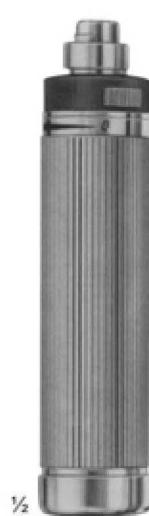
**01-151**  
Children  
Size: 200 mm

**01-152**  
Adults  
Size: 250 mm

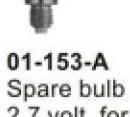


**01-154**

**01-150 - 152**  
MAGILL



**01-153**  
Medium battery handle  
only, 25 mm diam.



**01-153-A**  
Spare bulb  
2.7 volt, for  
otoscopes



**01-153-B**  
Spare bulb  
2.6 volt, for  
ophthalmoscopes



**01-155**



**01-156**  
Otoscope set, consists of  
battery handle without batteries,  
3 ear specula, 1 bulb in velvet lined case



**01-157**  
Diagnostic set, otoscope with three specula,  
nasal speculum, lamp holder, two laryngeal  
mirrors, tongue blade holder



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## Laryngoscopes



01-158

MILLER

Laryngoscope set, consists of battery handle ( without battery )  
with four miller laryngoscope blades

Fig. 0

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 0 Working Length, 55 mm (Baby's)       $\frac{1}{2}$

Fig. 1 Working Length, 80 mm (Children's)

Fig. 2 Working Length, 130 mm (Adolescent's)

Fig. 3 Working Length, 170 mm (Women's)

Fig. 4 Working Length, 180 mm (Men's)



01-159

GUEDEL-NEGUS

Laryngoscope set, consists of battery handle ( without battery )  
with four miller laryngoscope blades

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 1 Working Length, 70 mm (Children's)

Fig. 2 Working Length, 90 mm (Adolescent's)

Fig. 3 Working Length, 110 mm (Women's)

Fig. 4 Working Length, 135 mm (Men's)



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ENTERPRISES**

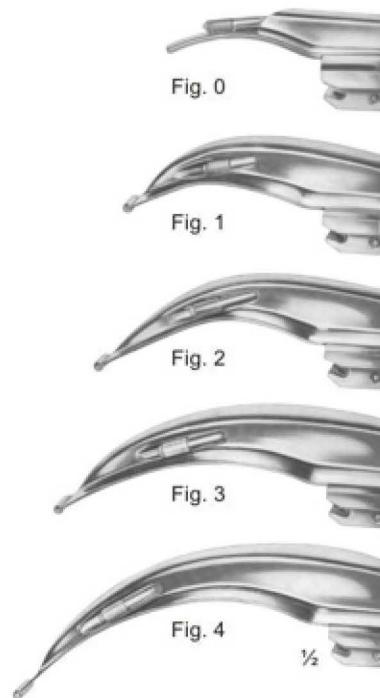
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## Laryngoscopes



**01-160**  
**McINTOSH**  
Laryngoscope Set, Consists Of Battery Handle ( Without Battery )  
With Three McIntosh Blades, Fig. 1, Fig. 2, Fig. 3

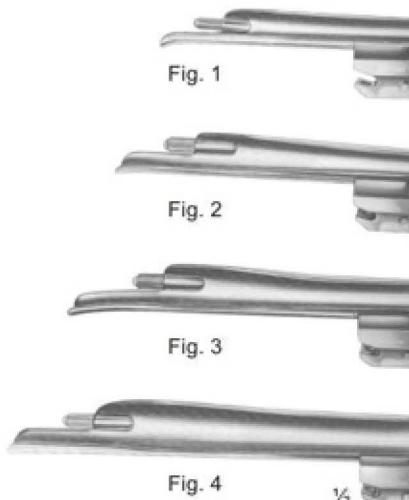
**01-161**  
**McINTOSH**  
Laryngoscope Set, Consists Of Battery Handle ( Without Battery )  
With Five McIntosh Blades, Fig. 0, Fig. 1, Fig. 2, Fig. 3, Fig. 4



01-161 A Fig. 0 Working Length, 55 mm (Baby's)  
01-161 B Fig. 1 Working Length, 75 mm (Children's)  
01-161 C Fig. 2 Working Length, 90 mm (Adolescent's)  
01-161 D Fig. 3 Working Length, 110 mm (Women's)  
01-161 E Fig. 4 Working Length, 135 mm (Men's)



**01-162**  
**FOREGGER**  
Laryngoscope Set, Consists Of  
Battery Handle ( Without Battery )  
With Three Foregger Blades,  
Fig. 1, Fig. 2, Fig. 3,



**01-163**  
**FOREGGER**  
Laryngoscope Set, Consists Of  
Battery Handle ( Without Battery )  
With Four Foregger Blades,  
Fig. 1, Fig. 2, Fig. 3, Fig. 4,

01-162 A Fig. 1 Working Length, 70 mm (Children's)  
01-162 B Fig. 2 Working Length, 90 mm (Adolescent's)  
01-162 C Fig. 3 Working Length, 110 mm (Women's)  
01-162 D Fig. 4 Working Length, 135 mm (Men's)



**01-164**  
Fiber Optic  
Battery Handle  
30mm diam.



**01-165**  
Fiber Optic  
Battery Handle  
18mm diam.

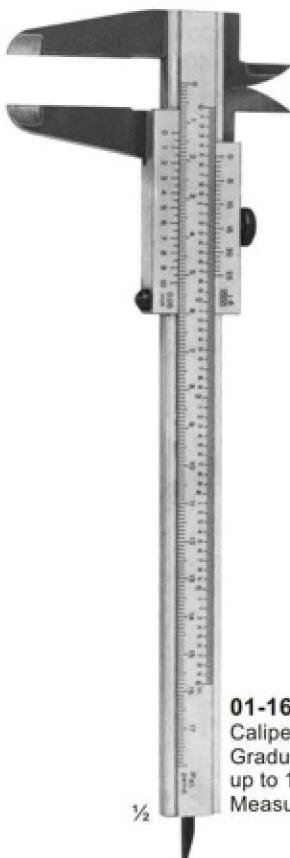


**01-166**  
Replacement Lamp  
( Krypton ) 2.5 V



**01-167**  
Replacement Lamp  
( Halogen ) 2.5 V

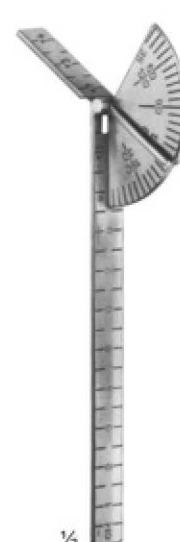
## **Examination & Measuring Instruments**



**01-168**  
Caliper Of Aluminium  
Graduated in mm & inches  
up to 180mm  
Measuring Range up to 139mm



**01-169**  
**VERNIER**  
Universal Caliper Of Steel  
Graduated in mm & inches  
up to 180mm  
Measuring Range up to 120mm  
with Vernier in 1/10mm & 1/16"



**01-170**  
CARROLL  
Size: 145 mm  
Finger Goniometer



**01-171**  
**TOWNLEY**  
Graduated in  
mm & inches  
Size: 115 mm



01-172  
COLLIN  
Druck Pressure 72 kg  
Size: 125 mm



**01-173**  
**BERTILLON**  
Caliper For Measuring The Head  
Size: 320 mm



**01-174**  
CASTROVIEJO  
Caliper  
Size: 75mm



01-175  
MOLTGEN  
Goniometer



**01-176**



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## Dissecting Knives



**02-101 - 110**  
Fig. 1 - 10



**02-101**  
Fig. 1  
30 mm



**02-102**  
Fig. 2  
36 mm



**02-103**  
Fig. 3  
40 mm



**02-104**  
Fig. 4  
45 mm



**02-105**  
Fig. 5  
50 mm



**02-106**  
Fig. 6  
27 mm



**02-107**  
Fig. 7  
35 mm



**02-108**  
Fig. 8  
40 mm

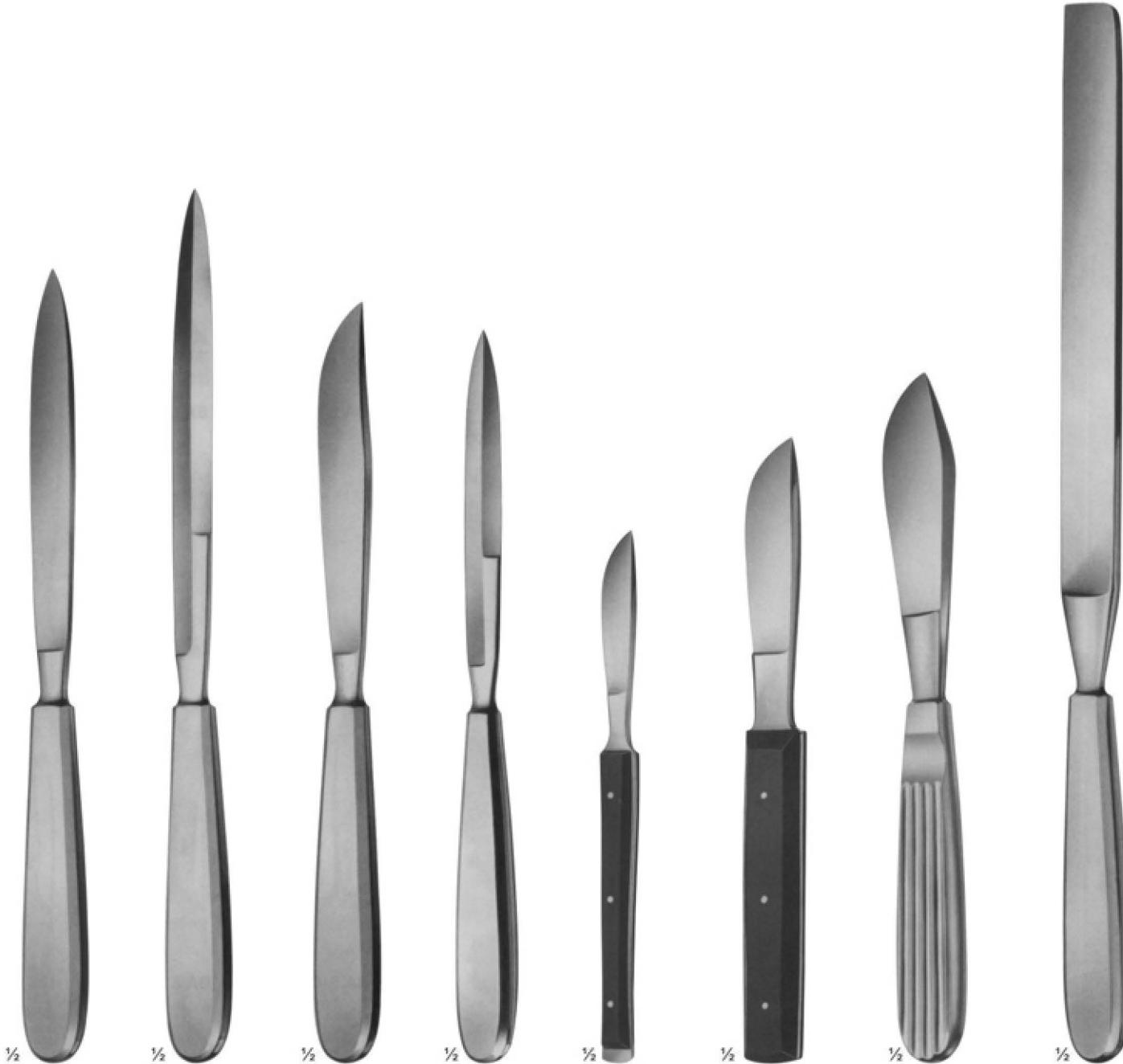


**02-109**  
Fig. 9  
47 mm



**02-110**  
Fig. 10  
50 mm

## Amputating Knives, Cartilage Knives and Autopsy Knives



|  |   |   |  |   |  |   |  |
|--|---|---|--|---|--|---|--|
| <b>LISTON</b><br><b>02-111</b><br>Size: 130 mm | <b>02-115</b><br>CATLIN<br>Size: 160 mm | <b>02-116</b><br>LANGENBECK<br>Size: 120 mm | <b>02-117</b><br>Blade length<br>Flap Knives | <b>02-118</b><br>Blade length<br>Interosseous<br>Knives | <b>02-119</b><br>Size: 55 mm<br>with raspatory,<br>Wooden handle | <b>02-120</b><br>Size: 70 mm<br>Blade length<br>Wooden handle | <b>02-121</b><br>Size: 80 mm<br>Blade length<br>Metal handle |
| <b>02-112</b><br>Size: 160 mm                  |   |   |  |   |  |   |  |
| <b>02-113</b><br>Size: 190 mm                  |   |   |  |   |  |   |  |
| <b>02-114</b><br>Size: 200 mm                  |   |   |  |   |  |   |  |
| Blade length<br>Amputating Knives              |   |   |  |   |  |   |  |

## Cone Knives, Myomatome, Trigeminal and Tonsil Knives



**02-122**  
AYRE  
Size: 235 mm  
Cone Knife

**02-123**  
Size: 230 mm  
Cone Knife

**02-124**  
SEGOND  
Size: 270 mm  
Myomatome

**02-125**  
OLIVECRONA  
Size: 205 mm  
Trigeminal  
Knife

**02-126**  
Size: 230 mm  
Trigeminal  
Knife

**02-127**  
FOWLER  
Size: 200 mm  
Tonsil Knife

**02-128**  
ABRAHAM  
Size: 215 mm  
Tonsil Knife

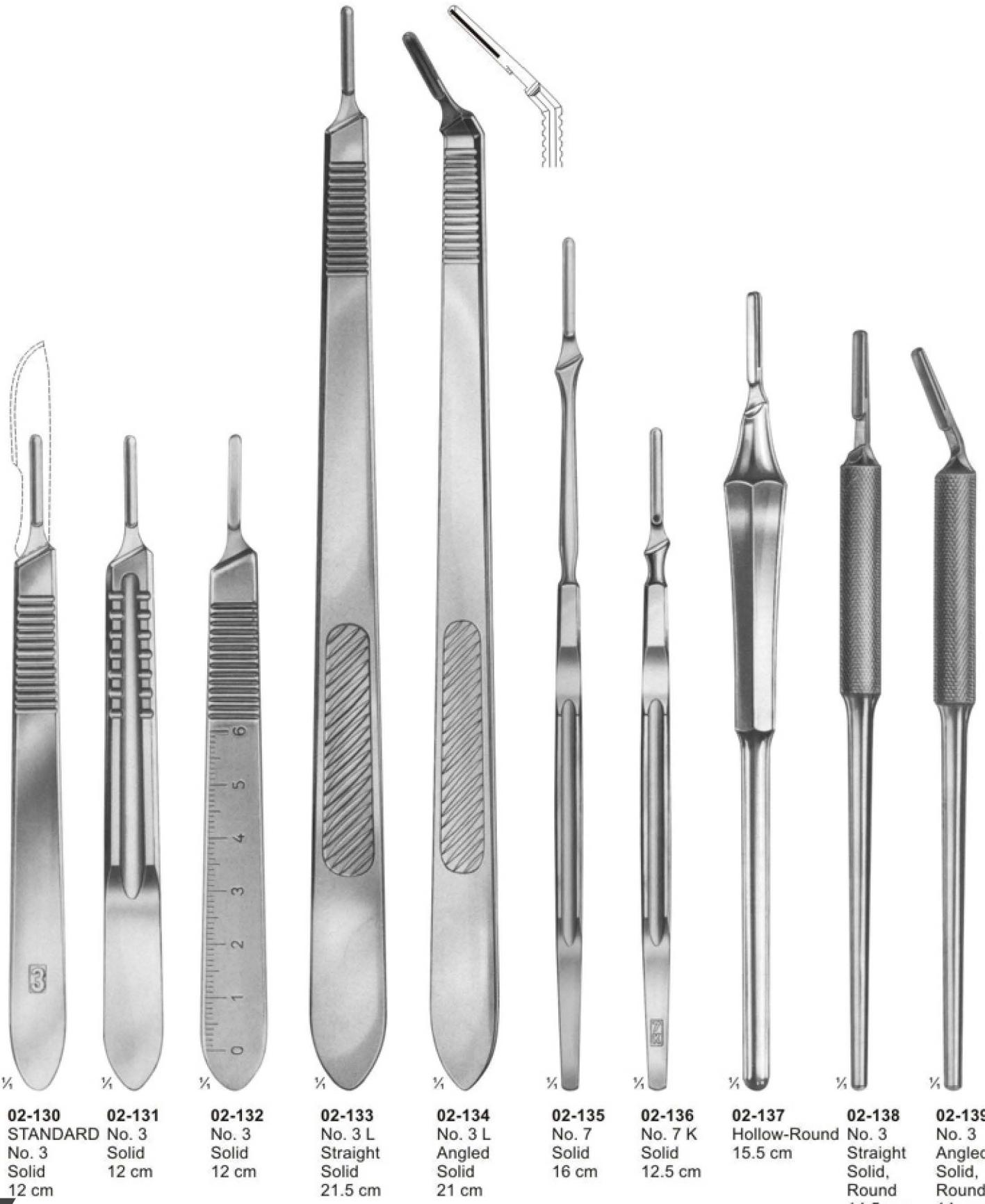
**02-129**  
BRUNINGS  
Size: 215 mm  
Tonsil Knife



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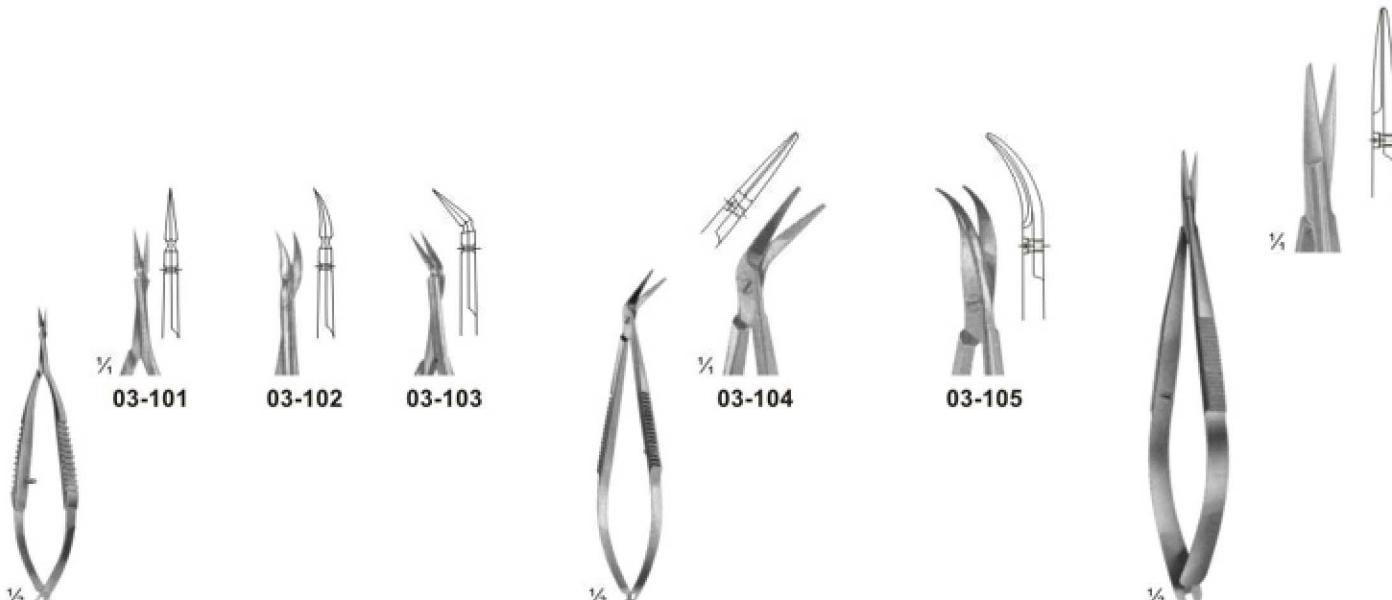
## Scalpel Handles





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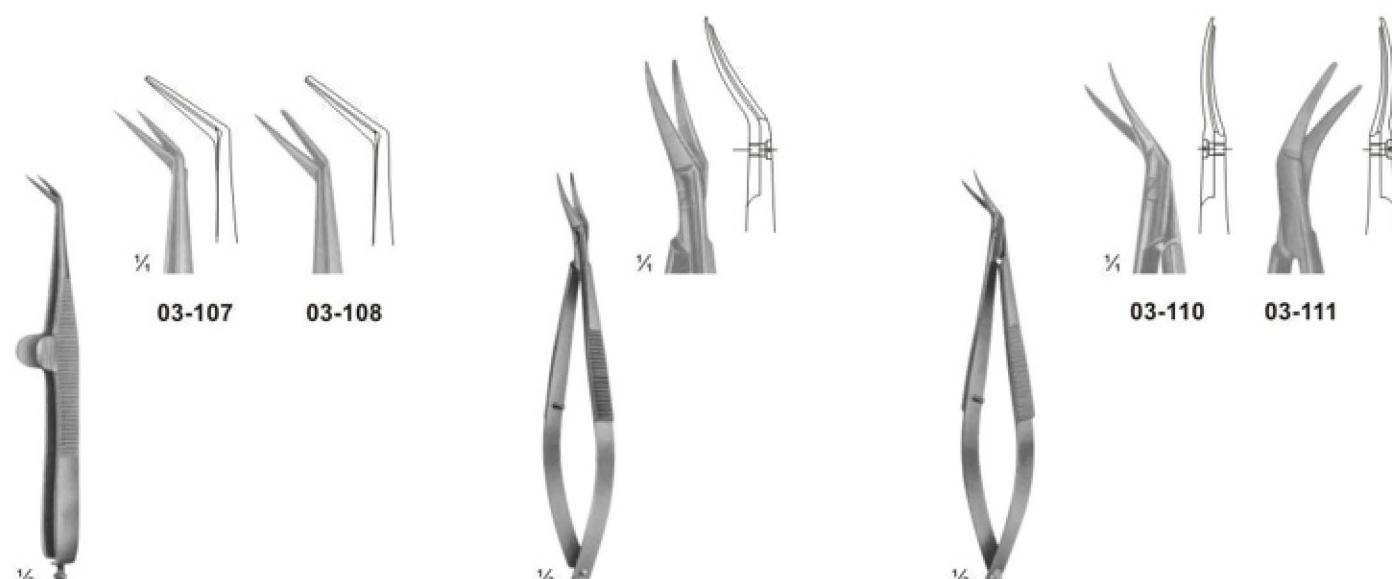
## Micro Scissors (Spring Type) with Flat Handles



**03-101 - 103**  
VANNAS  
Size: 85 mm

**03-104 - 105**  
CASTROVIEJO  
Size: 95 mm

**03-106**  
NOYES  
Size: 125 mm



**03-107 - 108**  
WECKER  
Eye scissor  
Size: 110 mm

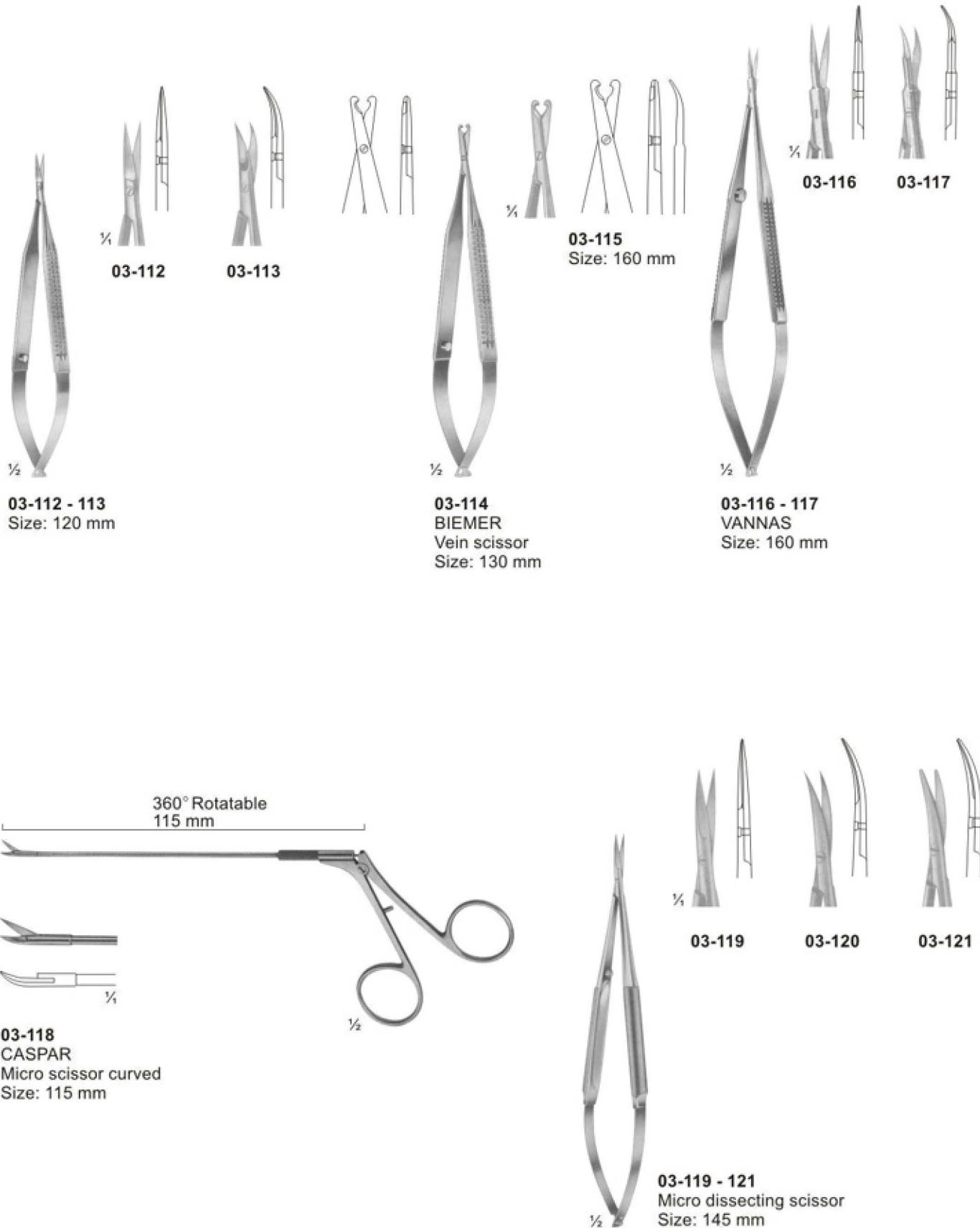
**03-109**  
CASTROVIEJO  
Eye scissor  
Size: 115 mm

**03-110 - 111**  
CASTROVIEJO  
Eye scissor  
Size: 110 mm



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## Micro Scissors (Spring Type) with Flat Handles



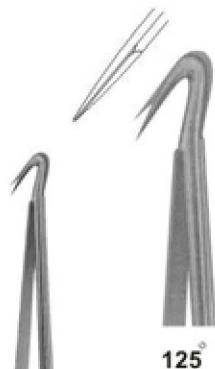


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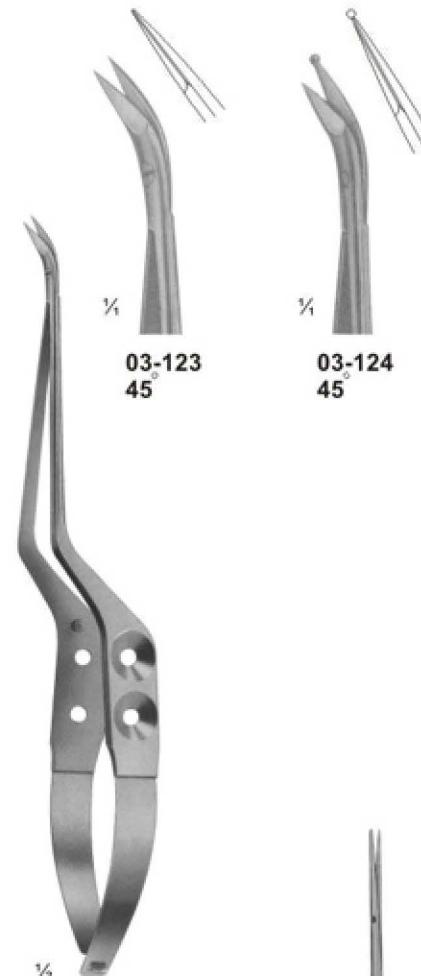
## Micro Scissors (Spring Type) bayonet-Shaped



03-122  
YASARGIL  
Size: 245 mm



03-125  
laterally angled  
Size: 190 mm

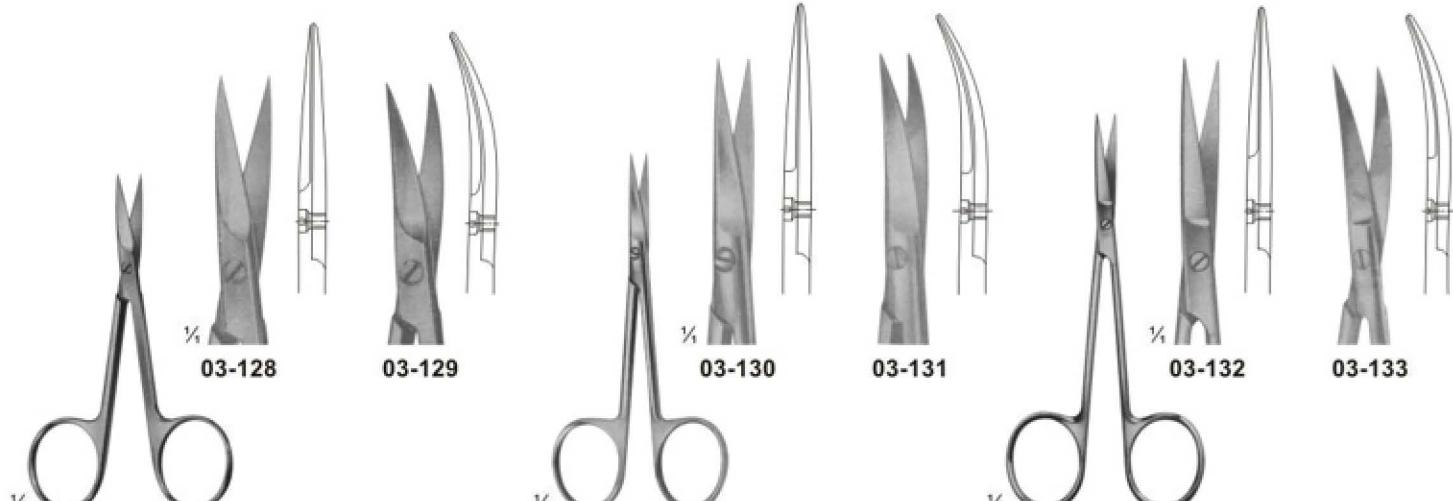


03-123 - 124  
laterally angled  
Size: 200 mm



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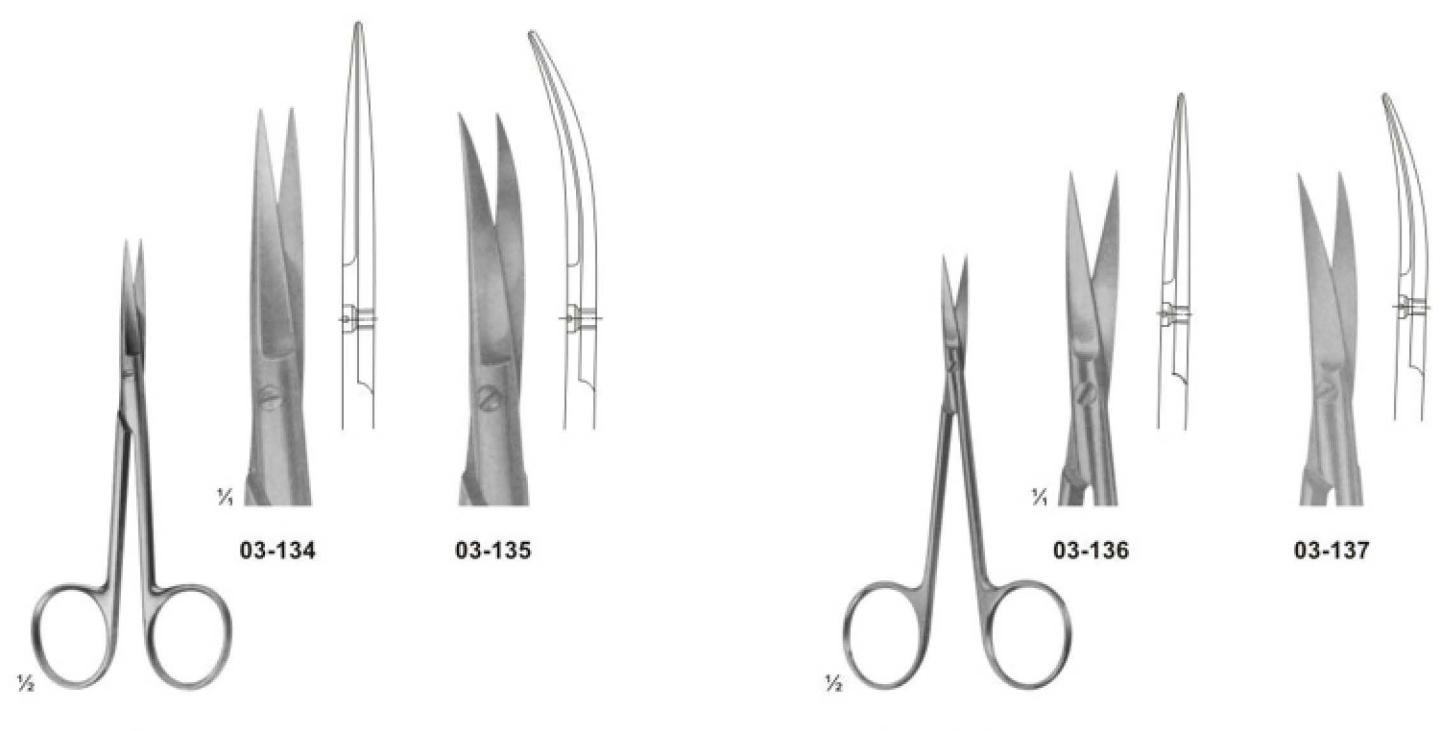
## Delicate Scissors



03-128 - 129  
Size: 90 mm

03-130 - 131  
Size: 95 mm

03-132 - 133  
Size: 105 mm



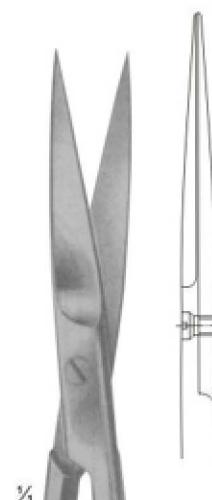
03-134 - 135  
Size: 120 mm

03-136 - 137  
Size: 115 mm

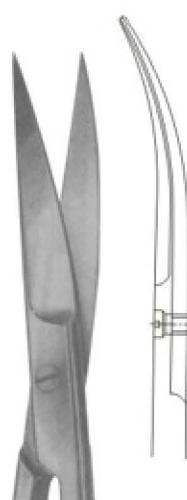


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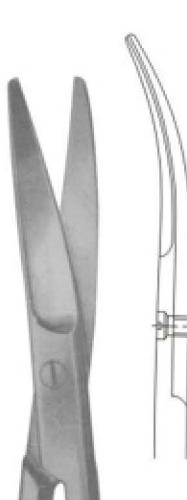
## Delicate Scissors



03-138



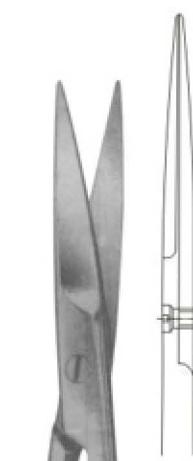
03-139



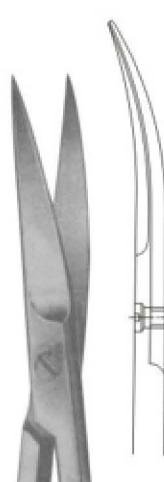
03-140

03-138 - 140

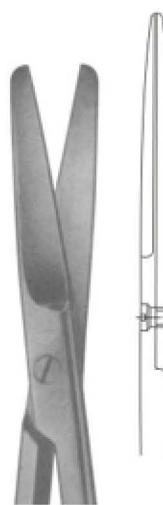
Size: 120 mm



03-141



03-142



03-143



03-144

03-141 - 144

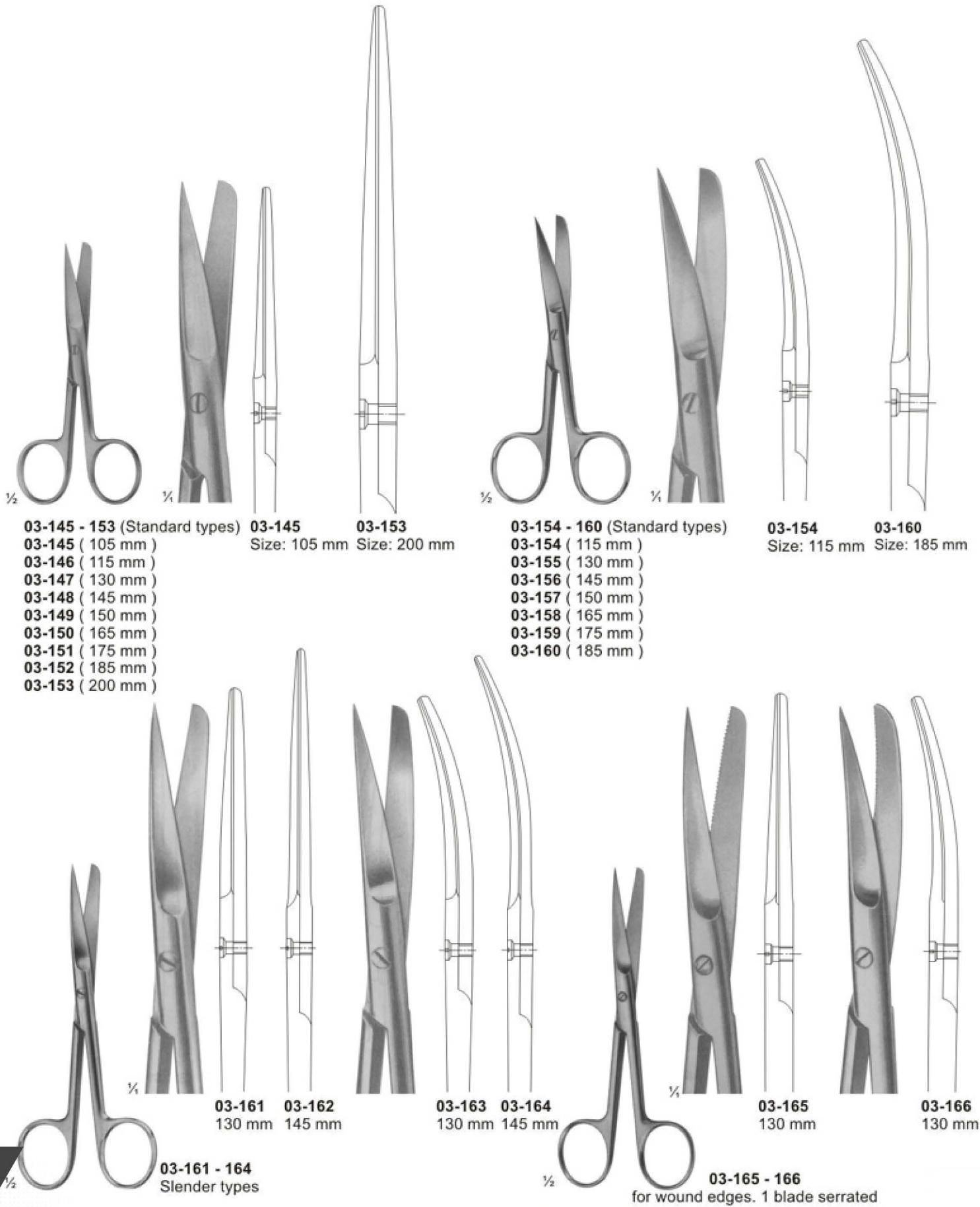
Size: 130 mm



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## Surgical Scissors

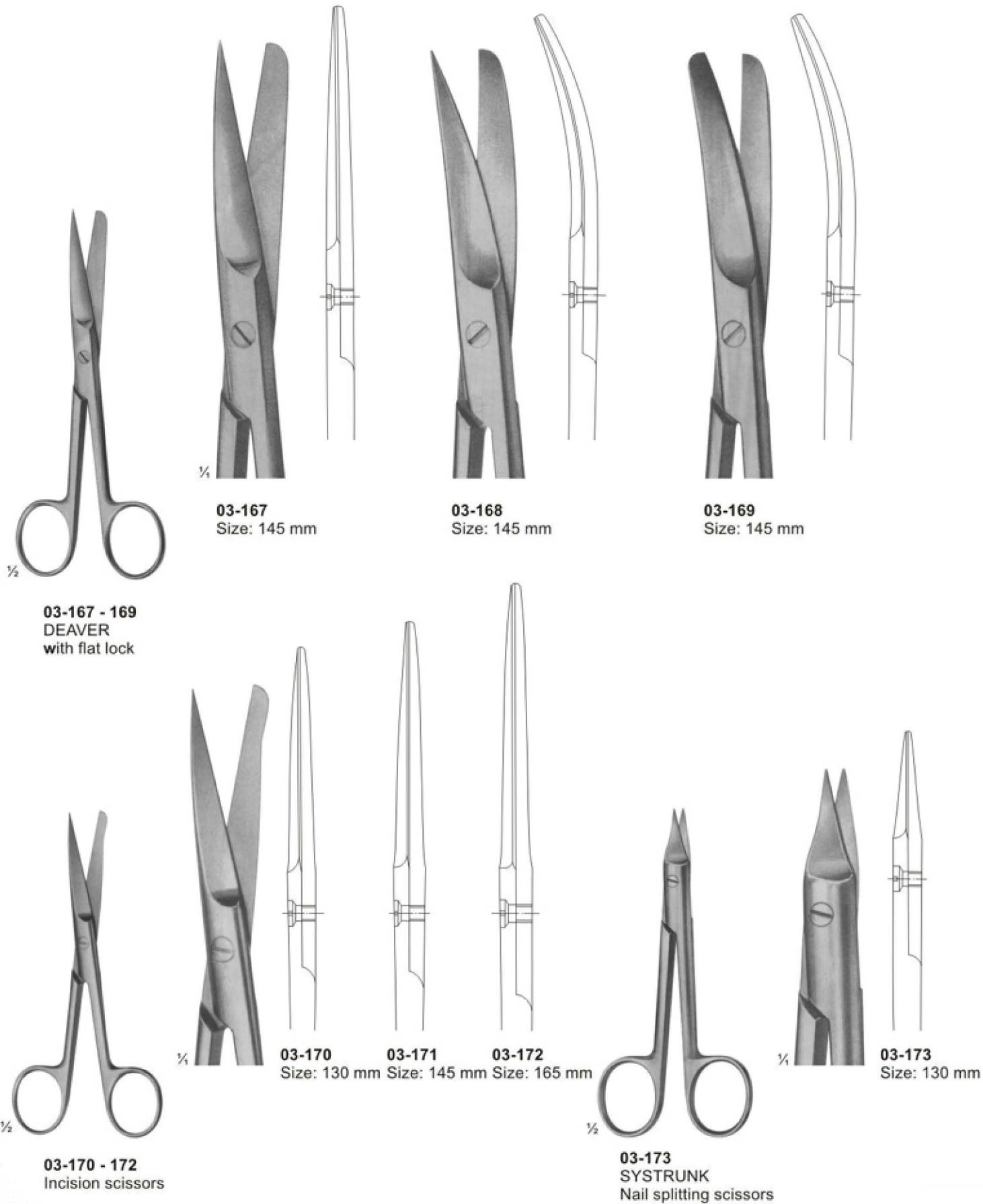




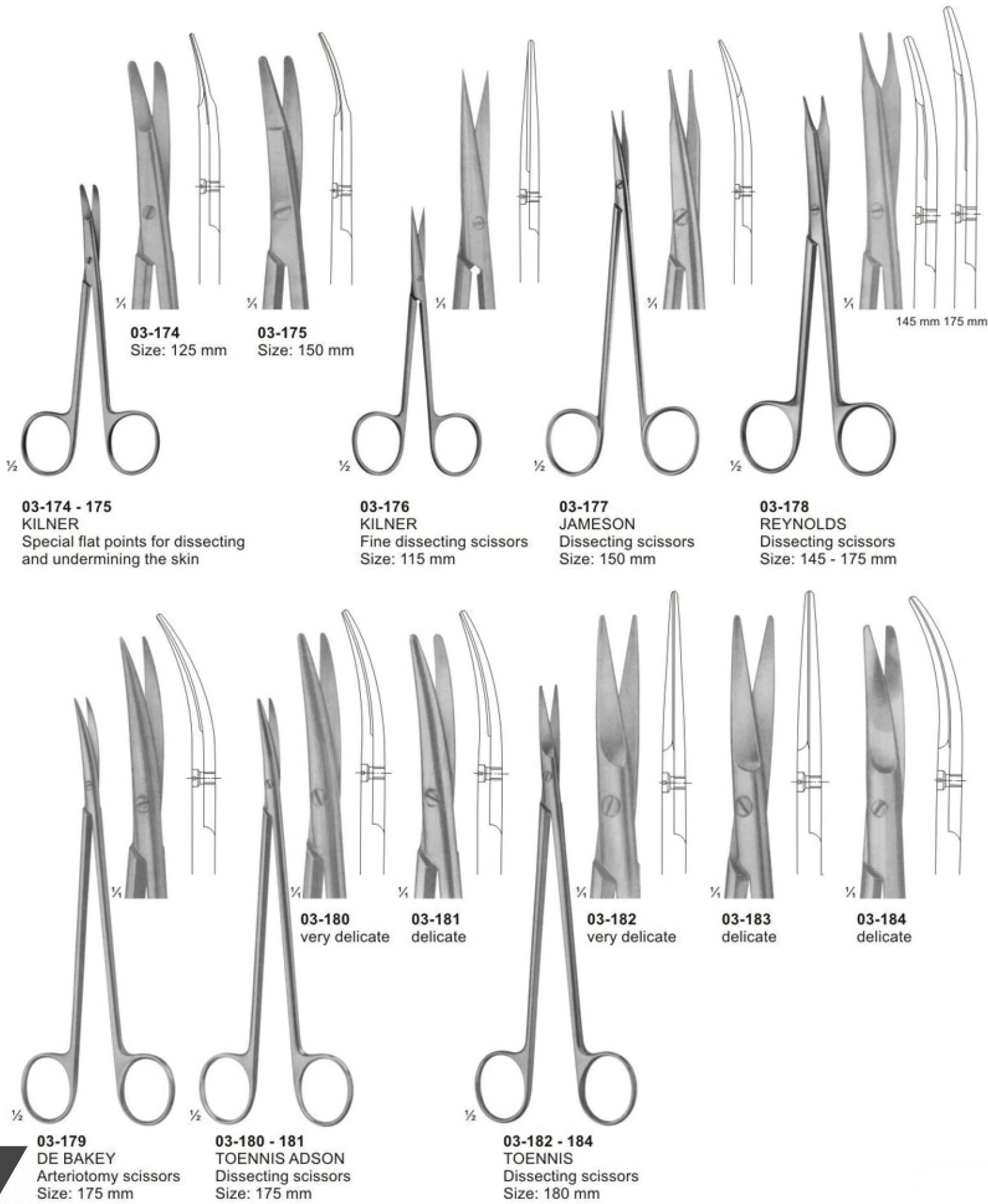
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## Surgical Scissors



## Dissecting Scissors

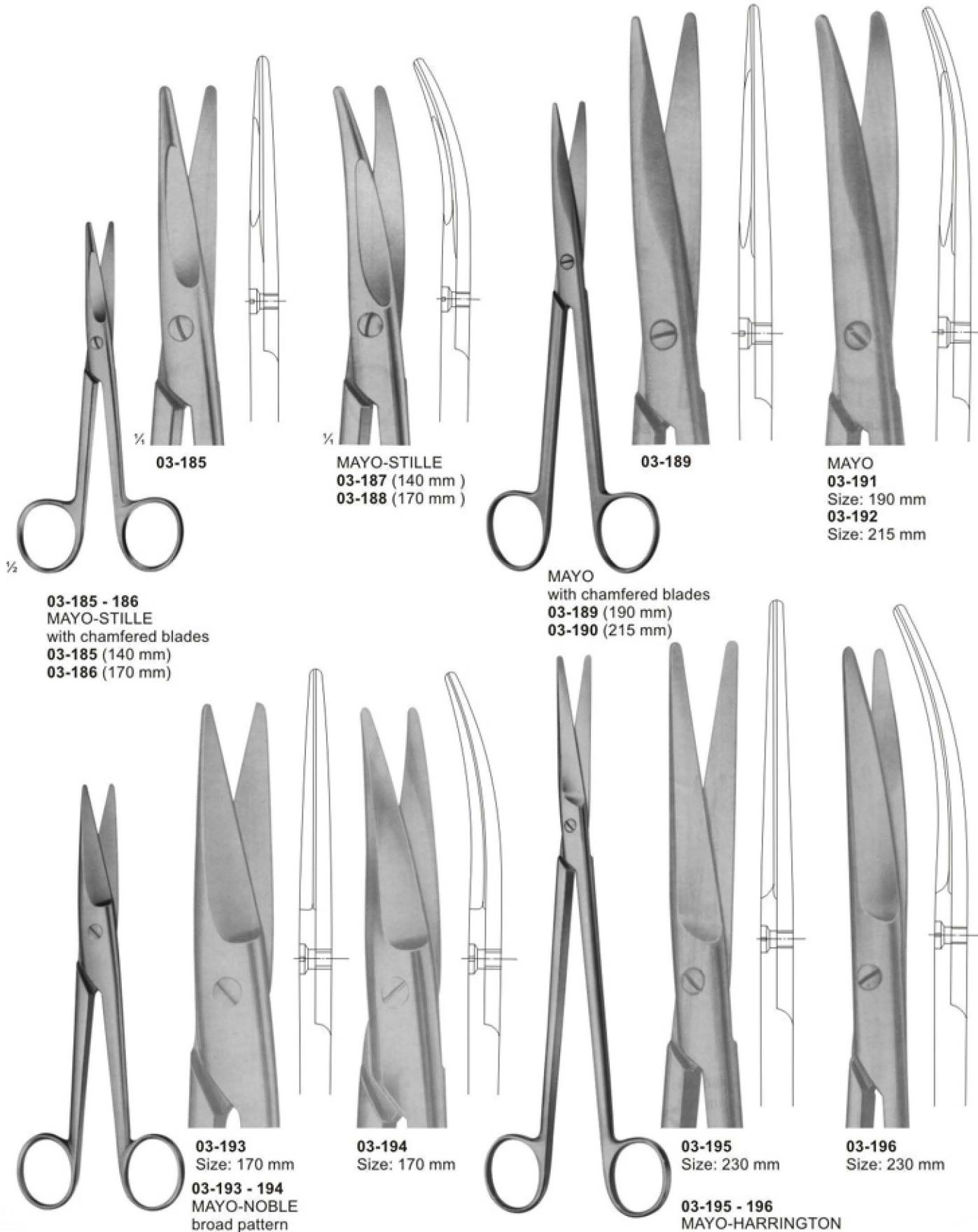




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## Dissecting Scissors





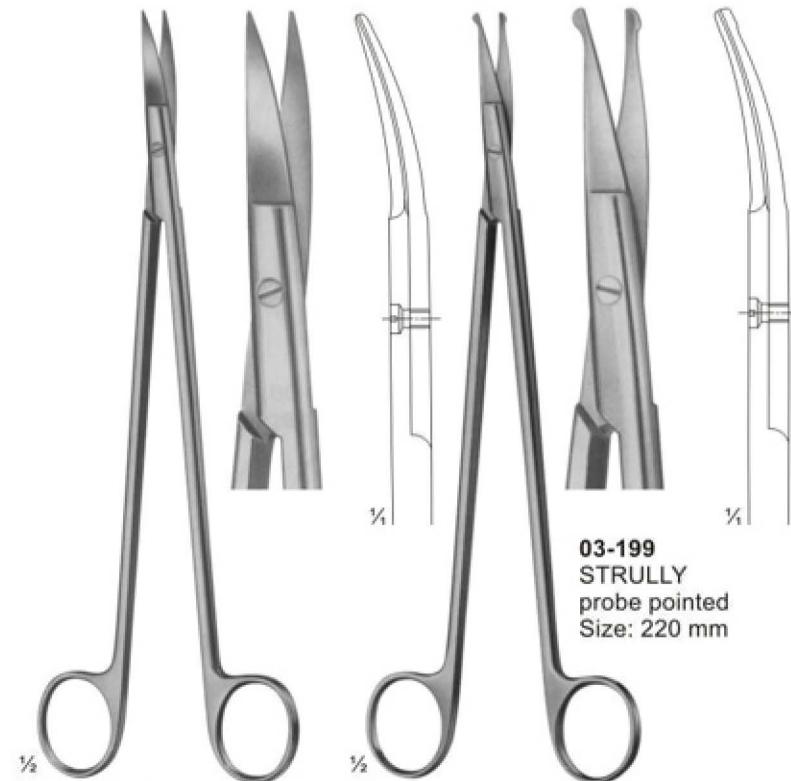
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## Scissors for Cardiovascular and Neuro-Surgery

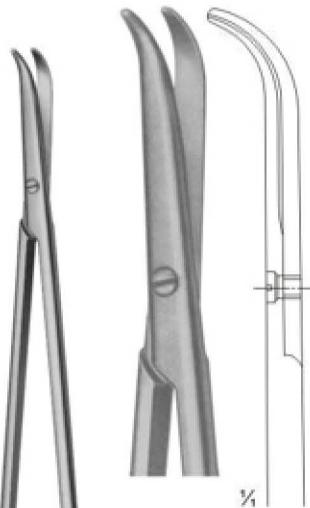


03-197  
OLIVECRONA  
Dura scissors



03-199  
STRULLY  
probe pointed  
Size: 220 mm

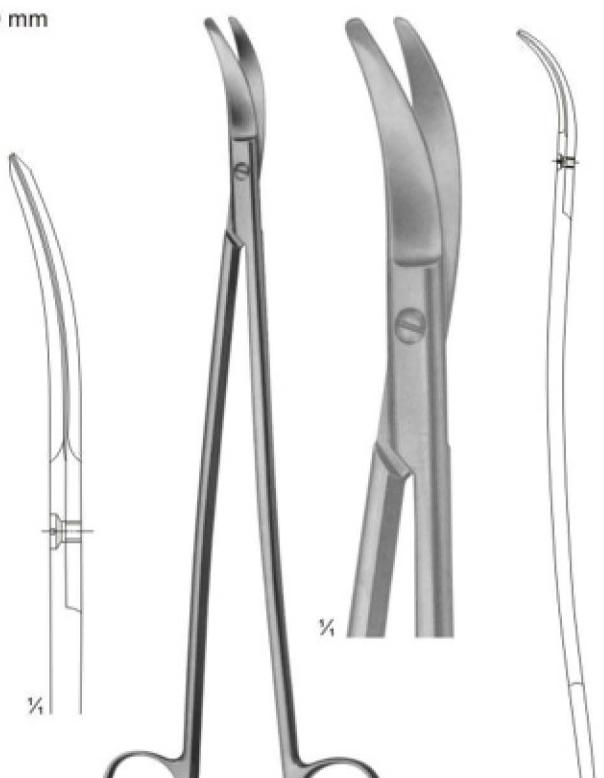
03-198  
STRULLY  
pointed  
Size: 220 mm



03-200  
THOREK  
Size: 180 mm



03-201  
POTTS-SMITH  
Size: 190 mm



03-202  
SATINSKY  
Size: 245 mm



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## Delicate, Nasal and Tonsil Scissors

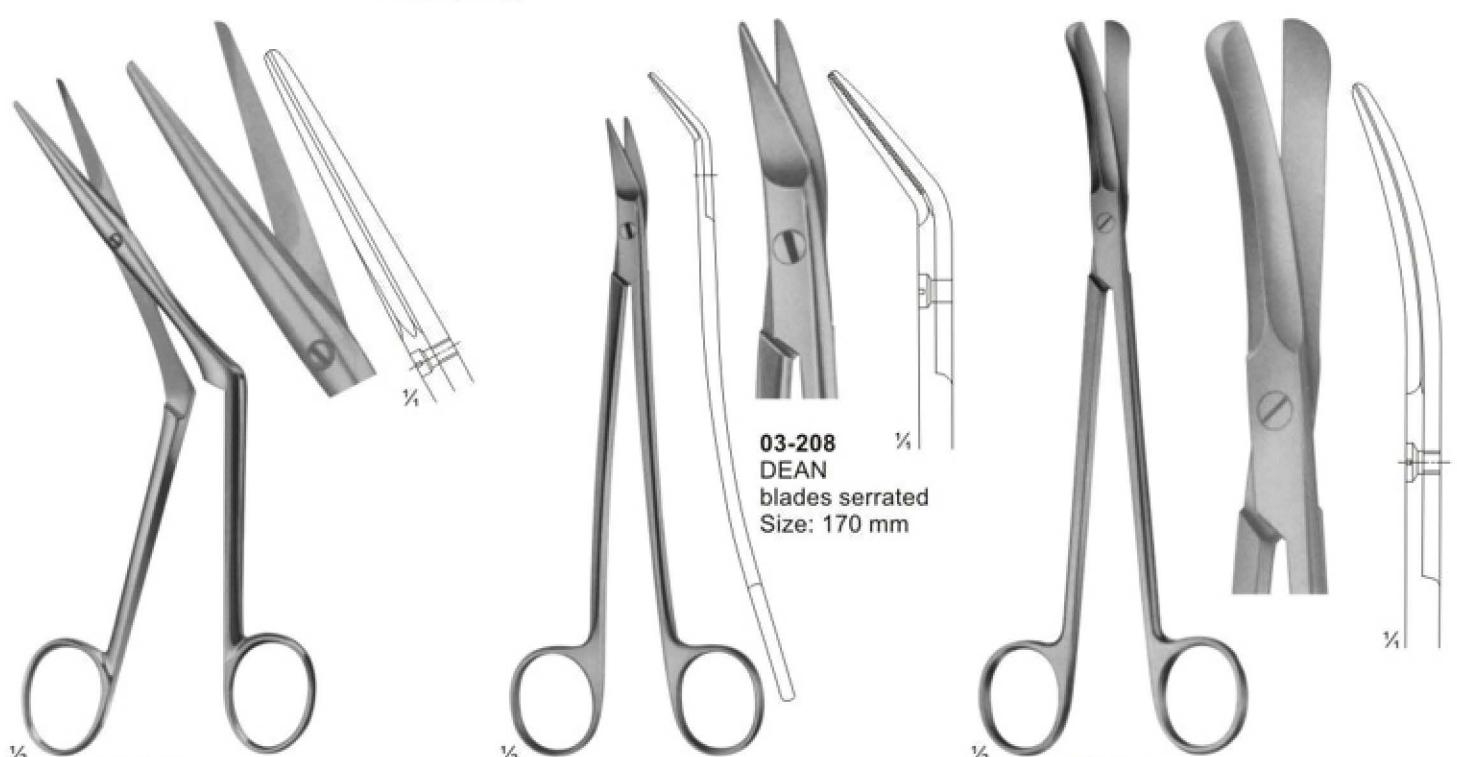


**03-203**  
1 finely toothed blade  
Size: 130 mm

**03-204**  
LOCKLIN  
curved sideways,  
1 toothed blade  
Size: 155 mm

**03-205**  
FOMON  
blades serrated  
Size: 145 mm

**03-206**  
COTTLE  
Size: 165 mm



**03-207**  
HEYMANN-KNIGHT  
Size: 175 mm

**03-208**  
DEAN  
blades serrated  
Size: 170 mm

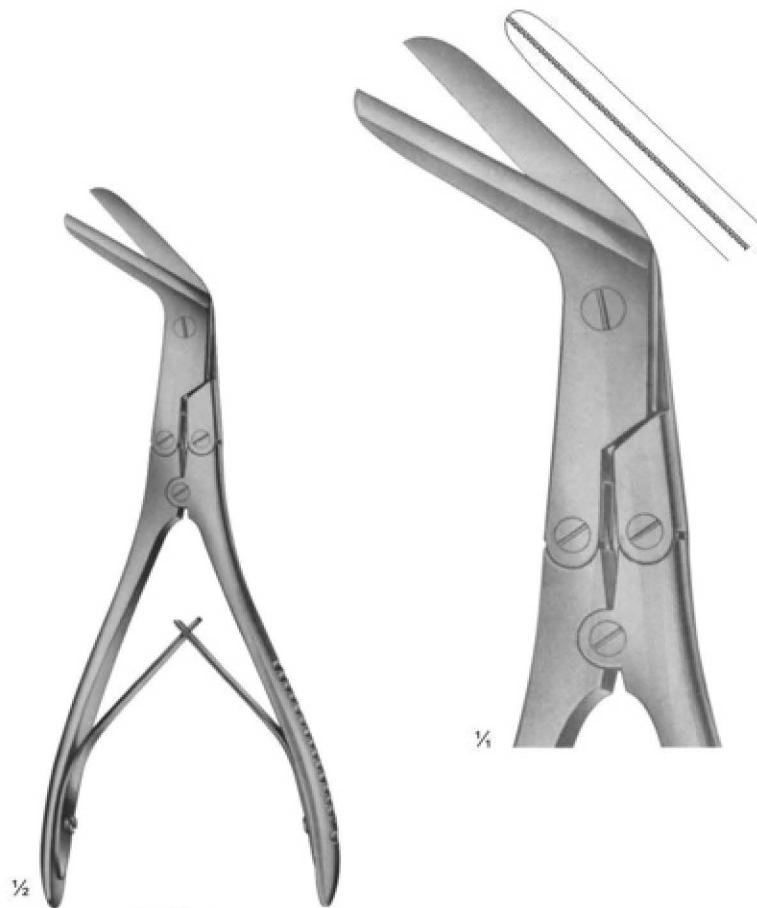
**03-209**  
GOOD  
Size: 195 mm



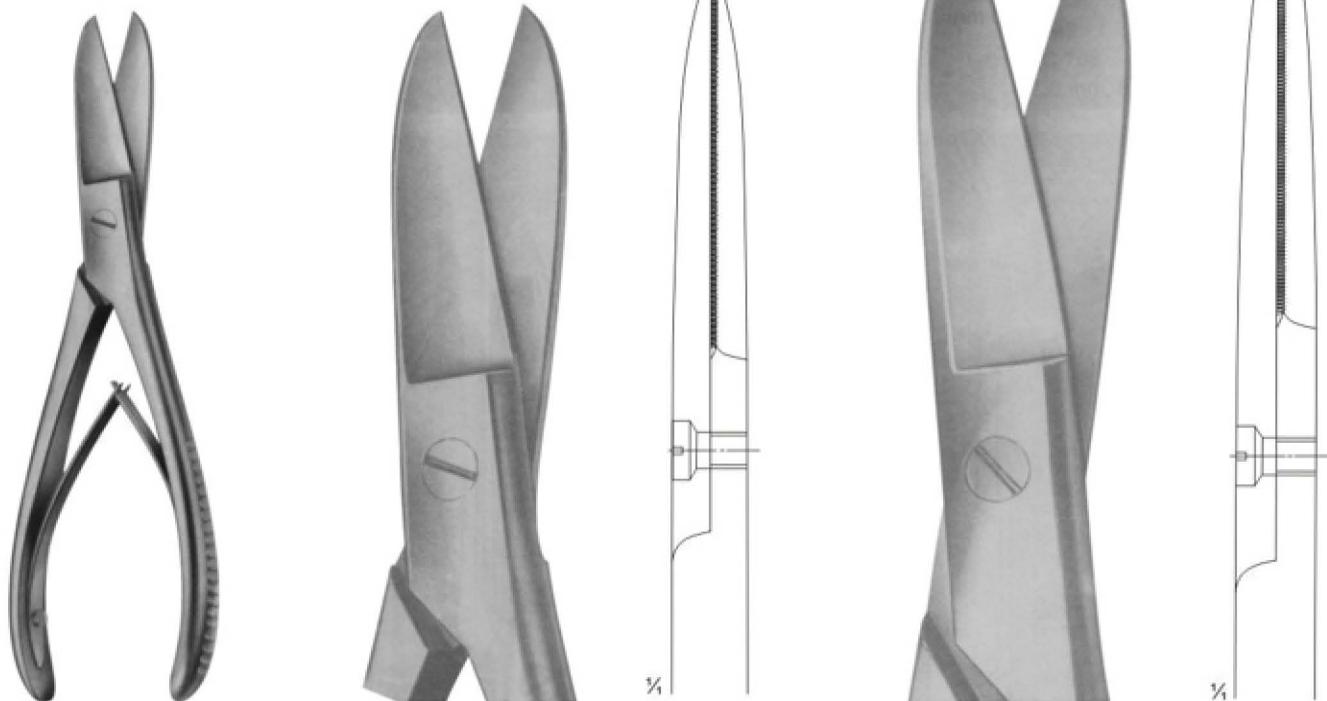
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## Bone Shears



03-210  
KILLIAN  
Size: 200 mm

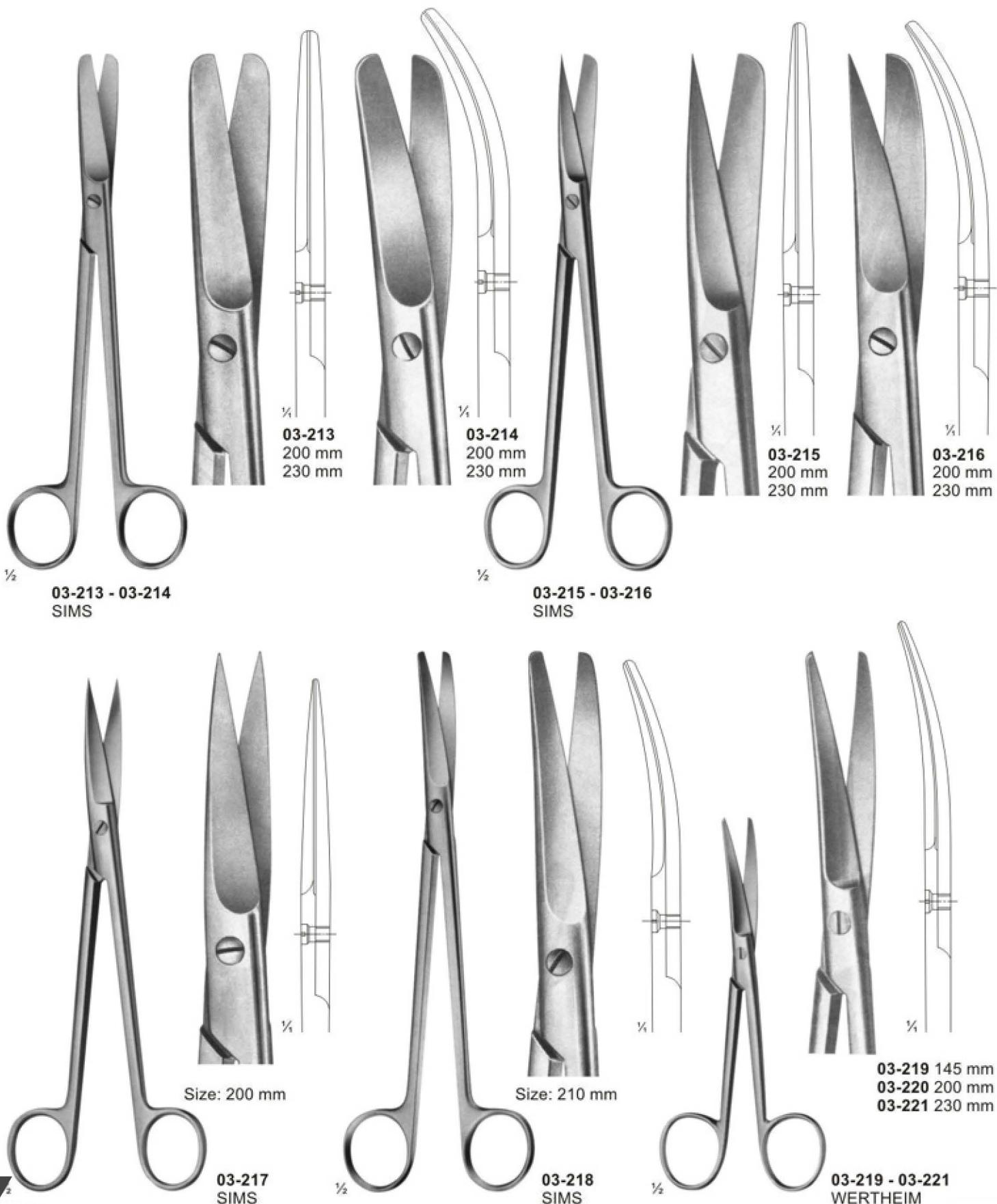


03-211 - 03-212

03-211  
195 mm

03-212  
225 mm

## Scissors for deep operations and for Gynaecology



## Scissors for Obstetrics



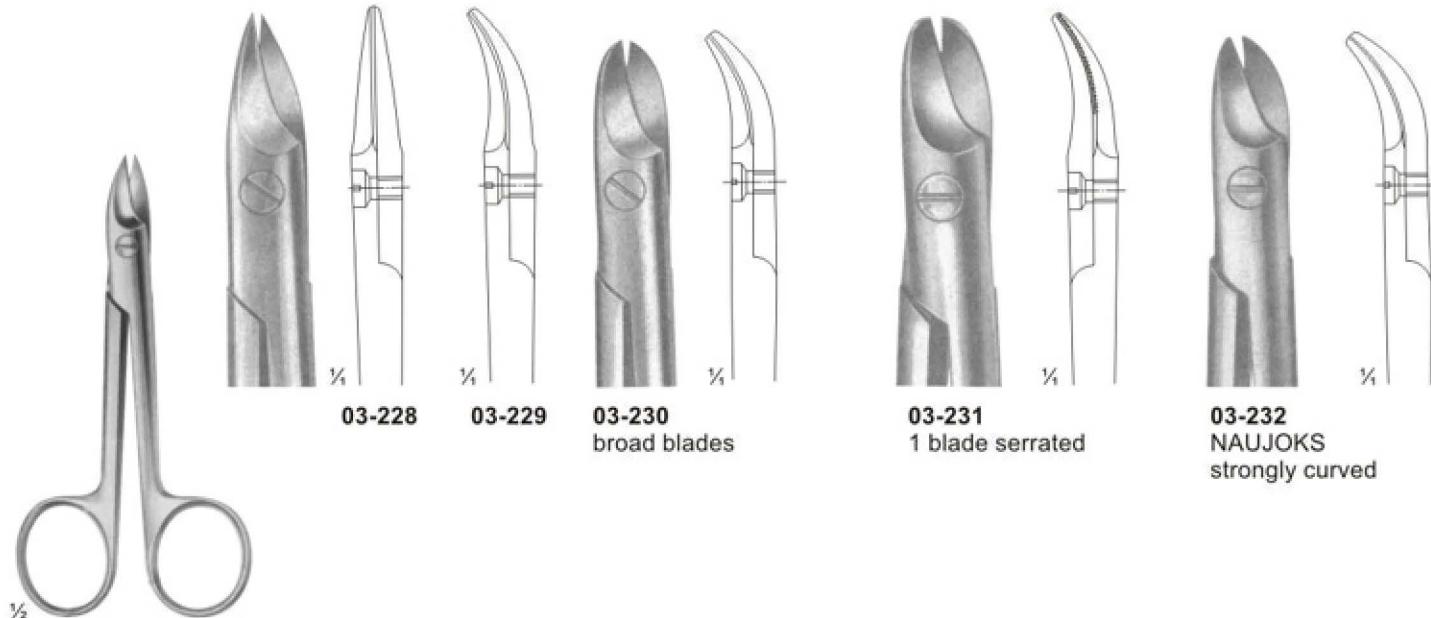
**03-225 - 03-226 BRAUN-STADLER**  
Episiotomy scissors



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Manufacturers & Exporters of Surgical, Dental Instruments

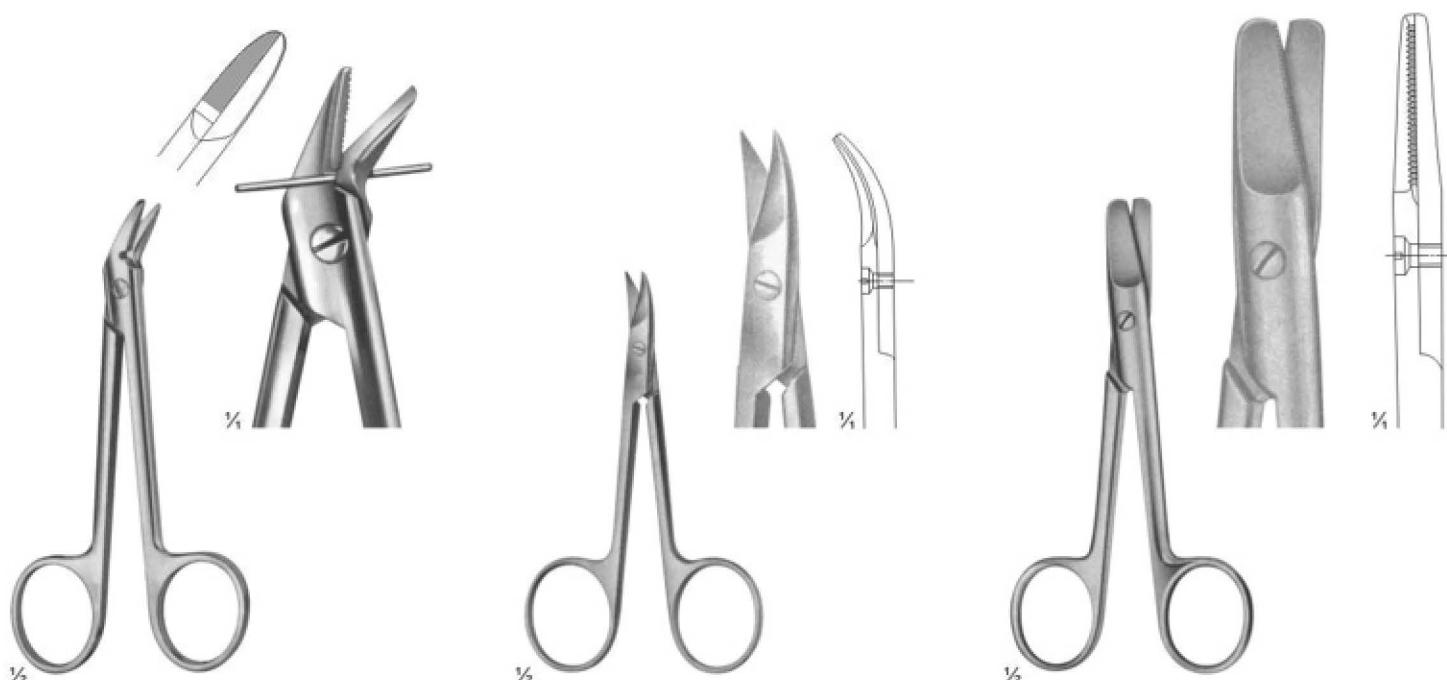
## Wire and Plate Scissors



03-228 - 03-232

BEEBE

Size: 110 mm



03-233  
1 blade serrated  
Size: 120 mm

03-234  
STRACK  
Size: 100 mm

03-235  
HARVEY  
blades serrated  
Size: 125 mm



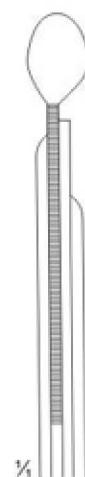
TREAL SURGICAL

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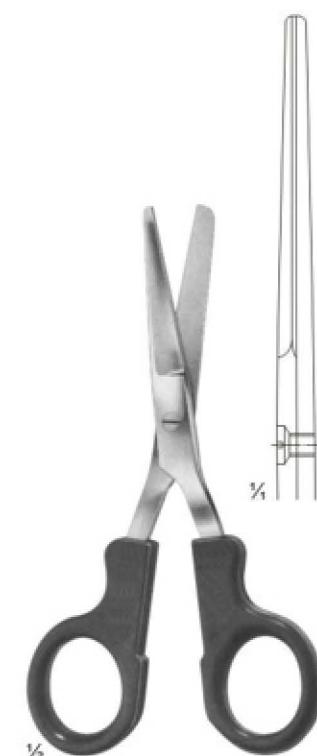
## Bandage and Cloth Scissors



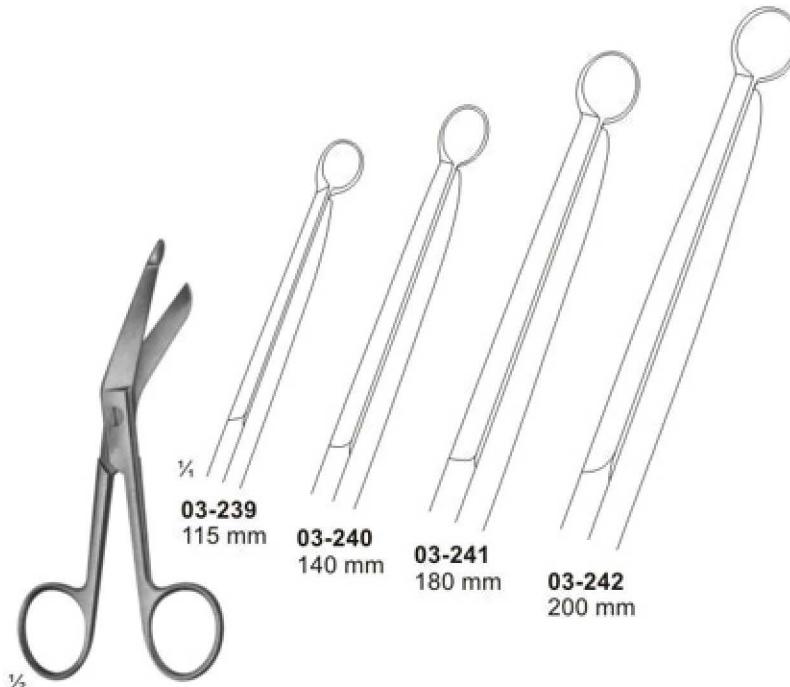
**03-236**  
Universal bandage and cloth scissors,  
with toothed edges  
180 mm



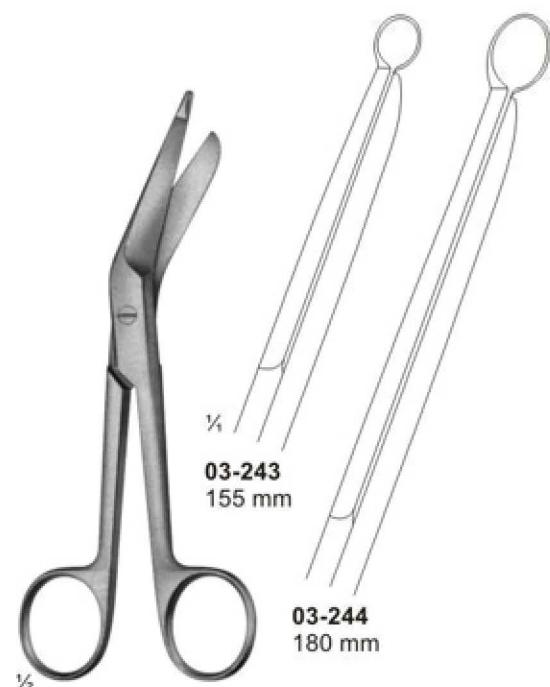
**03-237**  
LISTER  
Universal bandage and cloth scissors,  
with toothed edges  
Size: 145 mm



**03-238**  
LISTER  
Nurse's scissors  
Size: 145 mm



**03-239 - 03-242**  
LISTER



**03-243 - 03-244**  
LISTER



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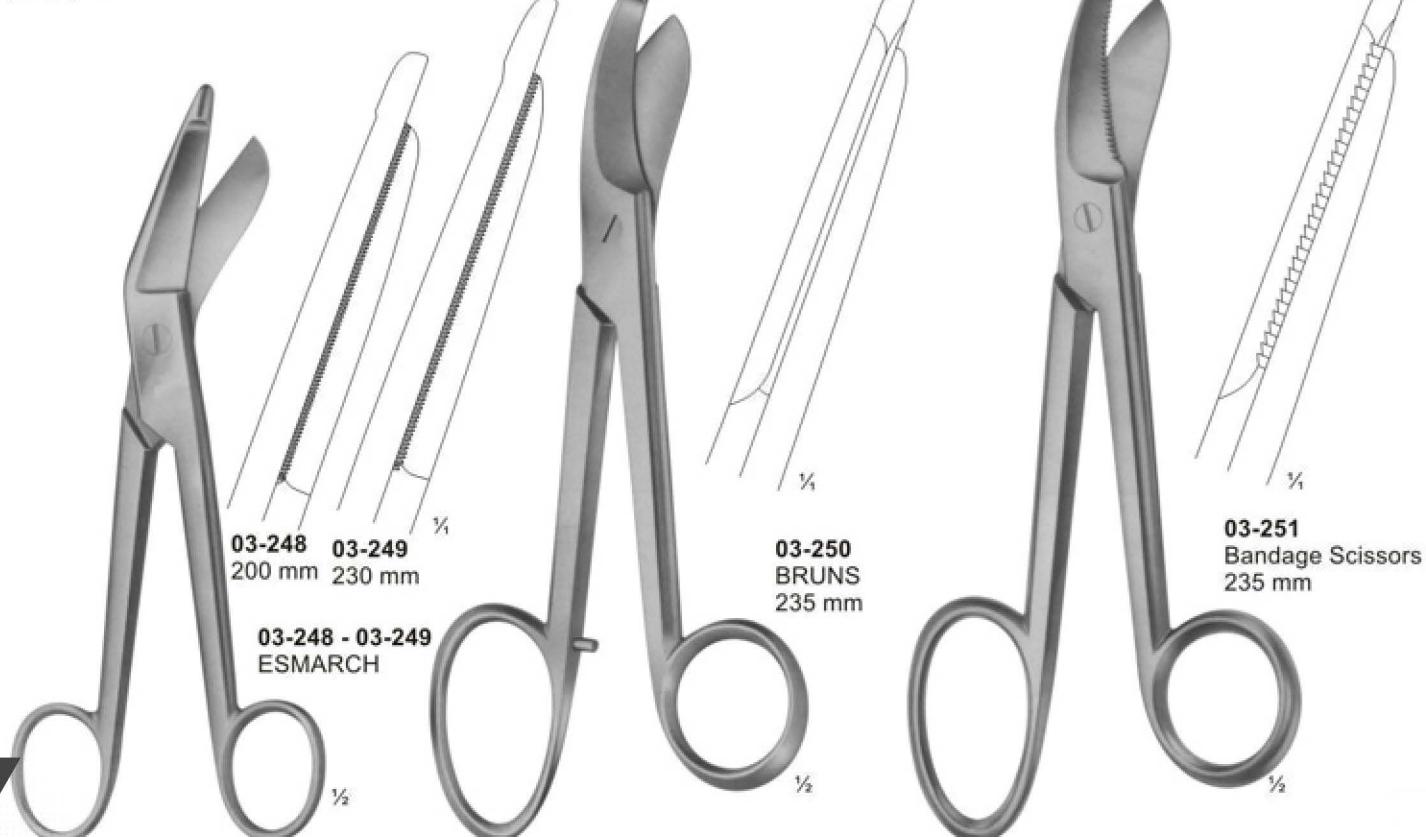
## Bandage-, Cloth-, and Plaster Scissors



03-245  
CLOTH SCISSORS  
205 mm

03-246  
BRAUN-STADLER  
225 mm

03-247  
SEUTIN  
230 mm



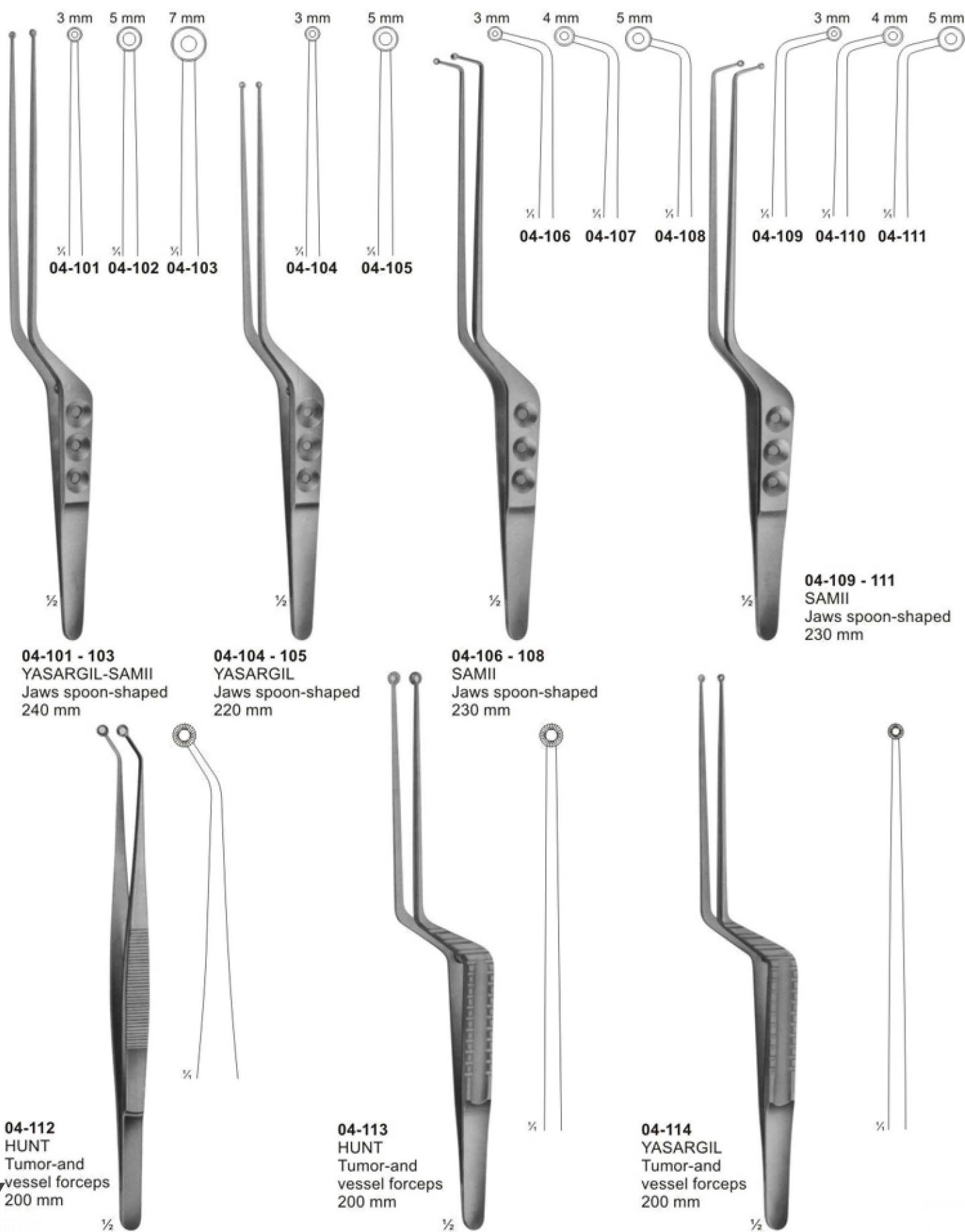
03-248  
200 mm  
03-249  
230 mm

03-248 - 03-249  
ESMARCH

03-250  
BRUNS  
235 mm

03-251  
Bandage Scissors  
235 mm

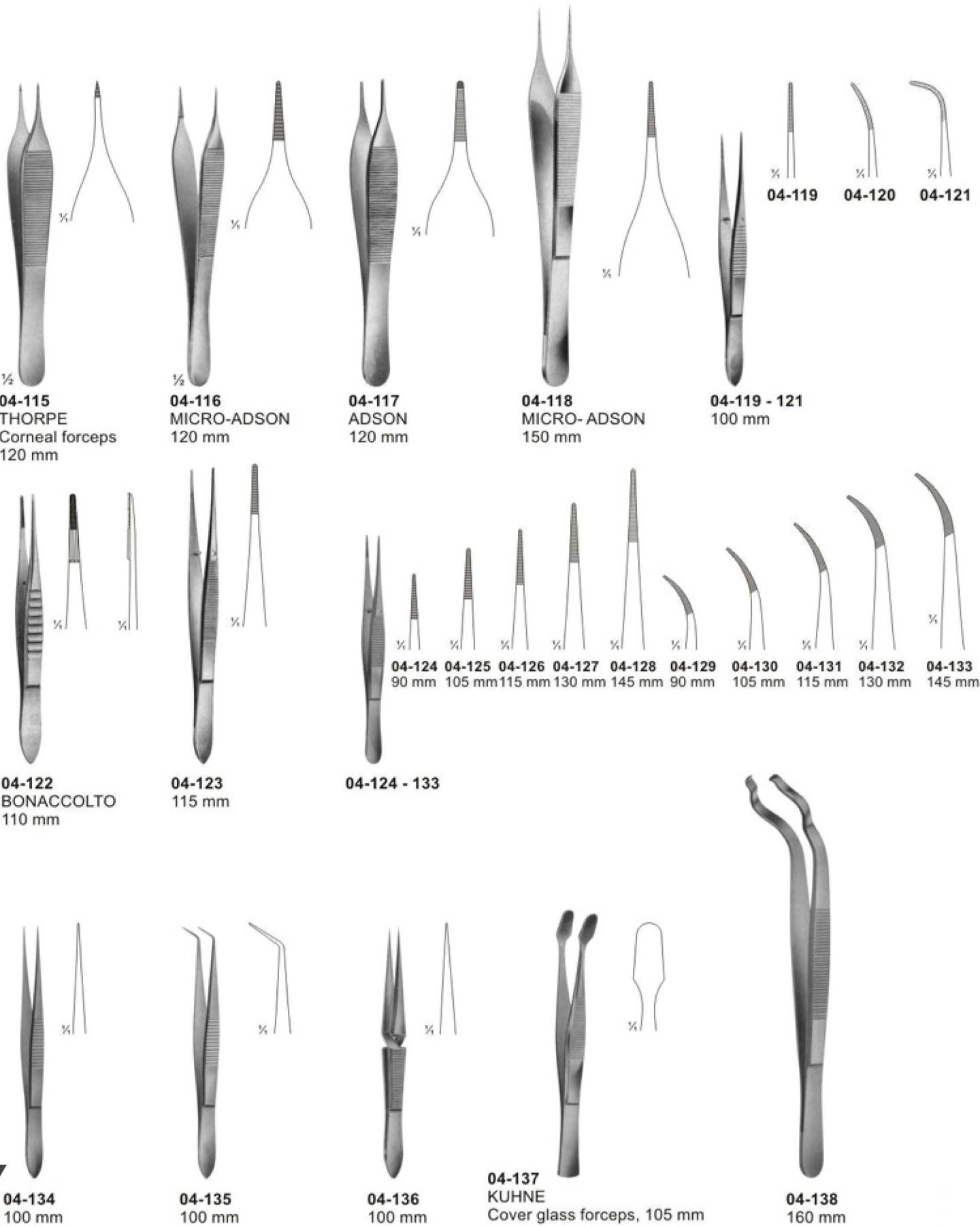
## Forceps for grasping tissue, tumors etc.





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Manufacturers & Exporters of Surgical, Dental Instruments  
ENTERPRISES

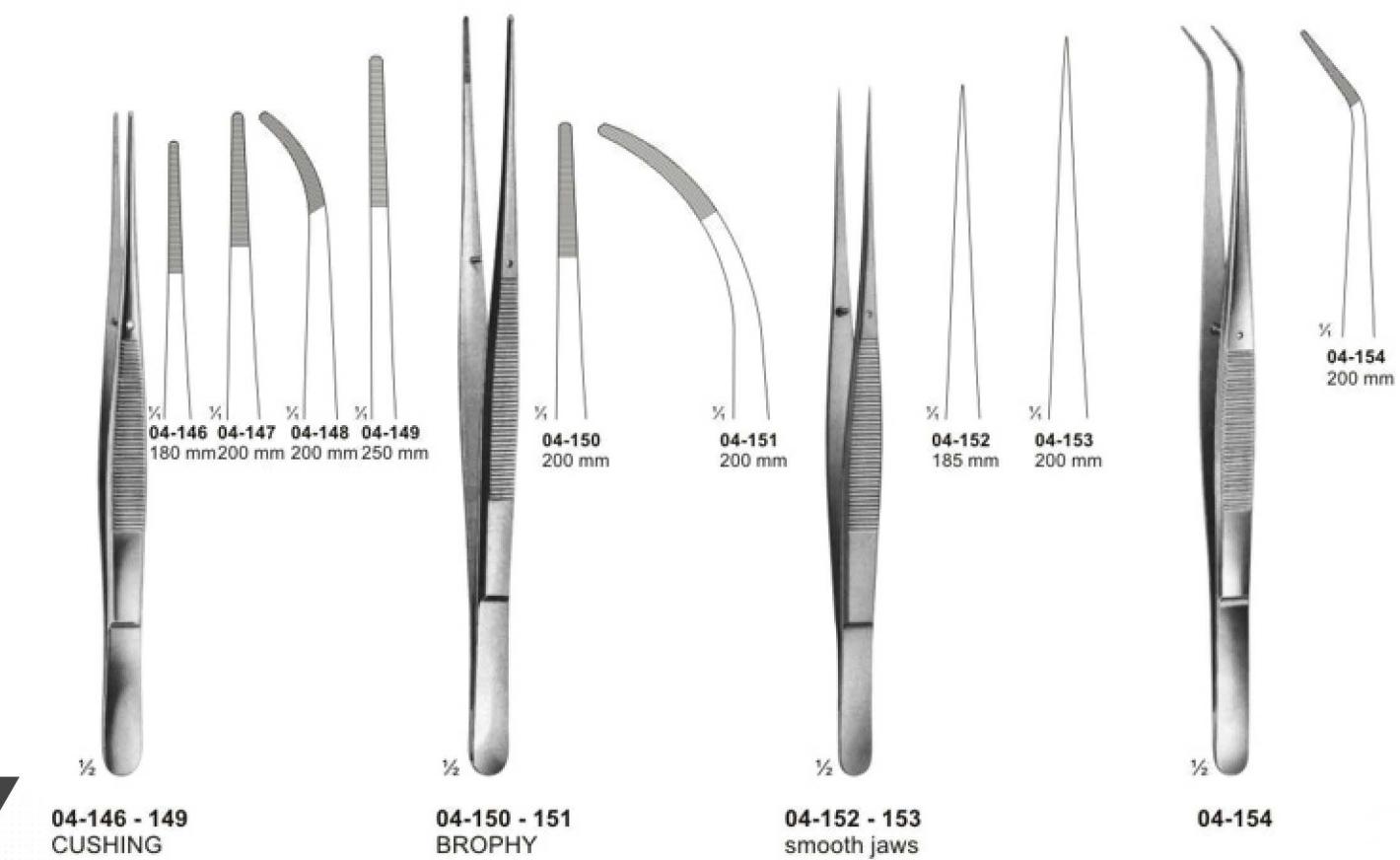
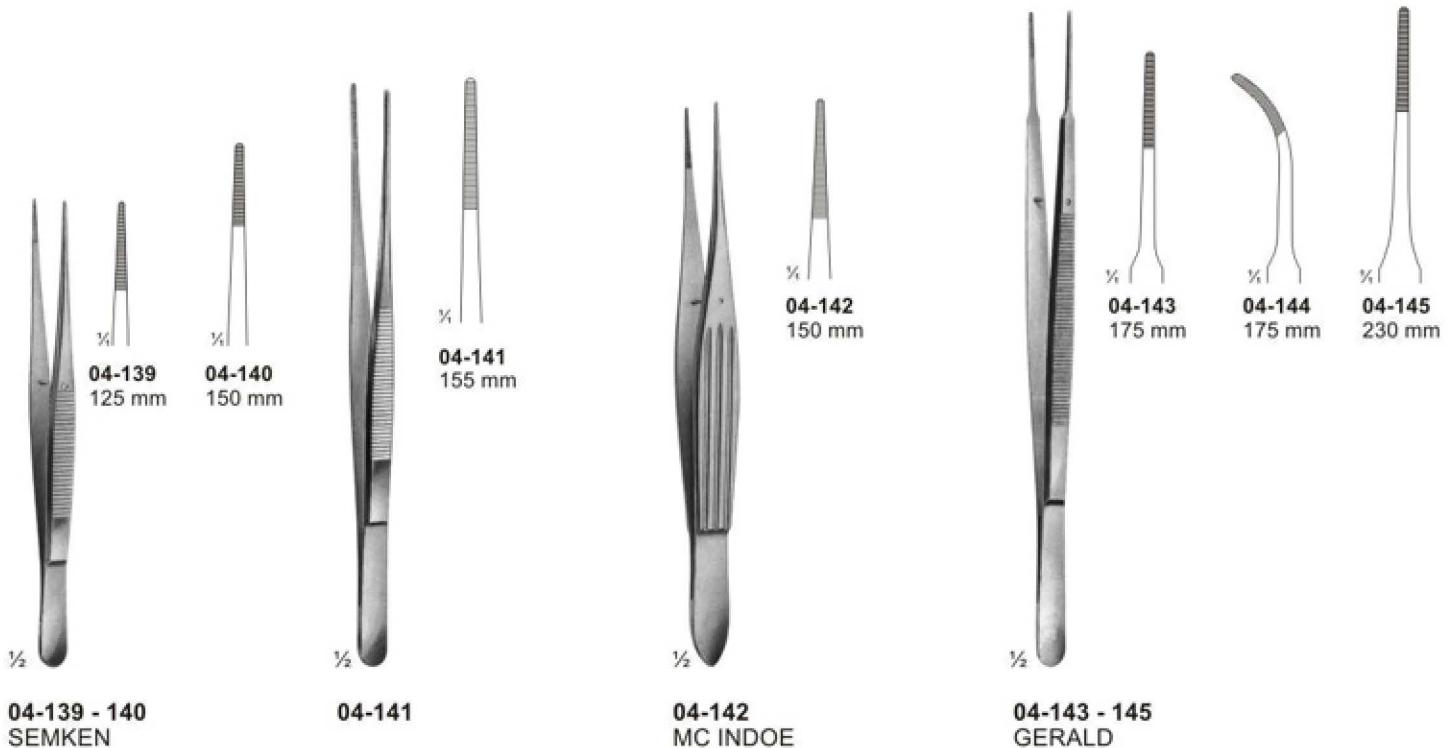
## Delicate Dissecting, Microscopic, Sterilizing Forceps





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Manufacturers & Exporters of Surgical, Dental Instruments

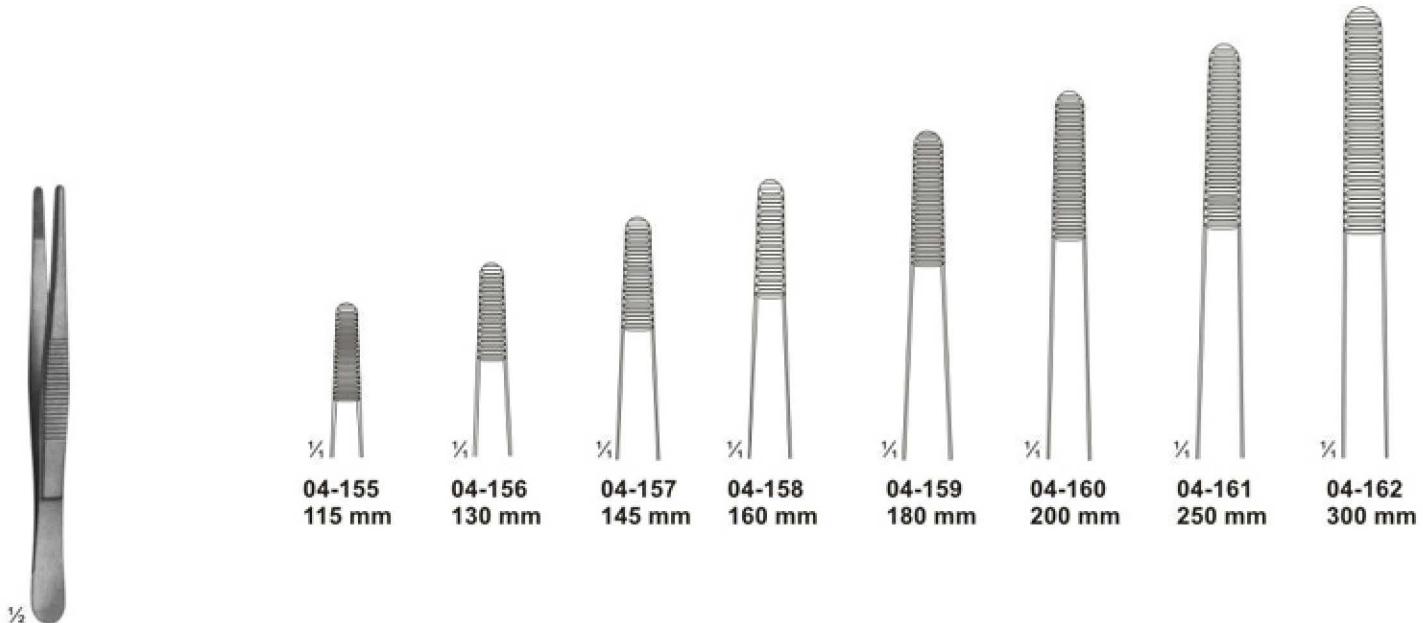
## Delicate Dissecting Forceps



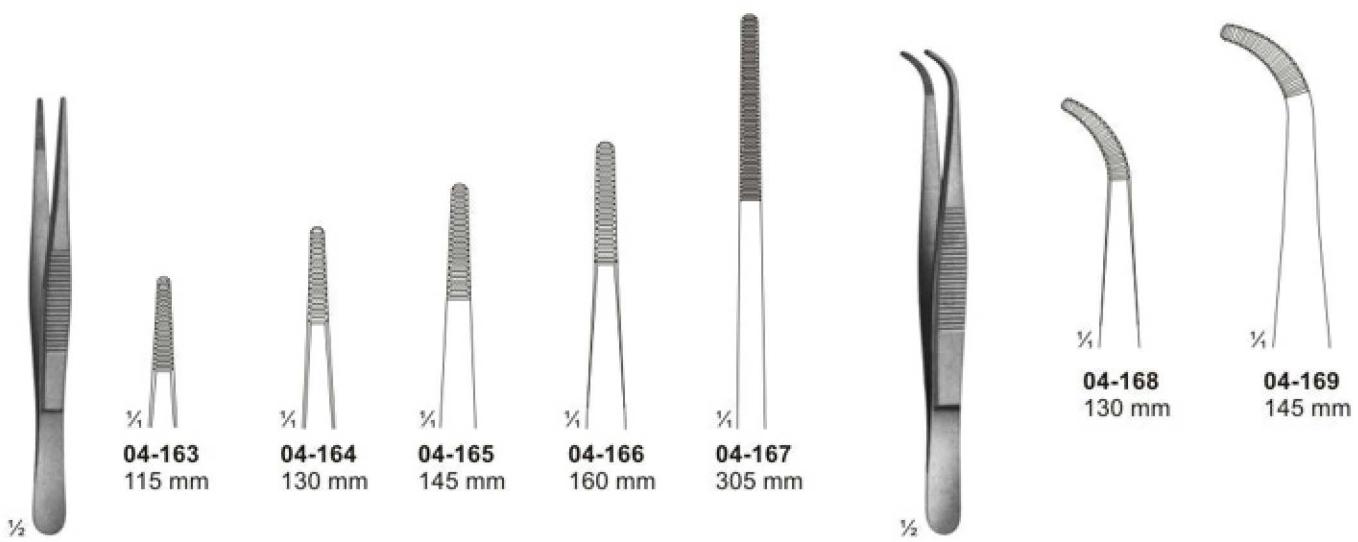


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Manufacturers & Exporters of Surgical, Dental Instruments

## Dissecting Forceps



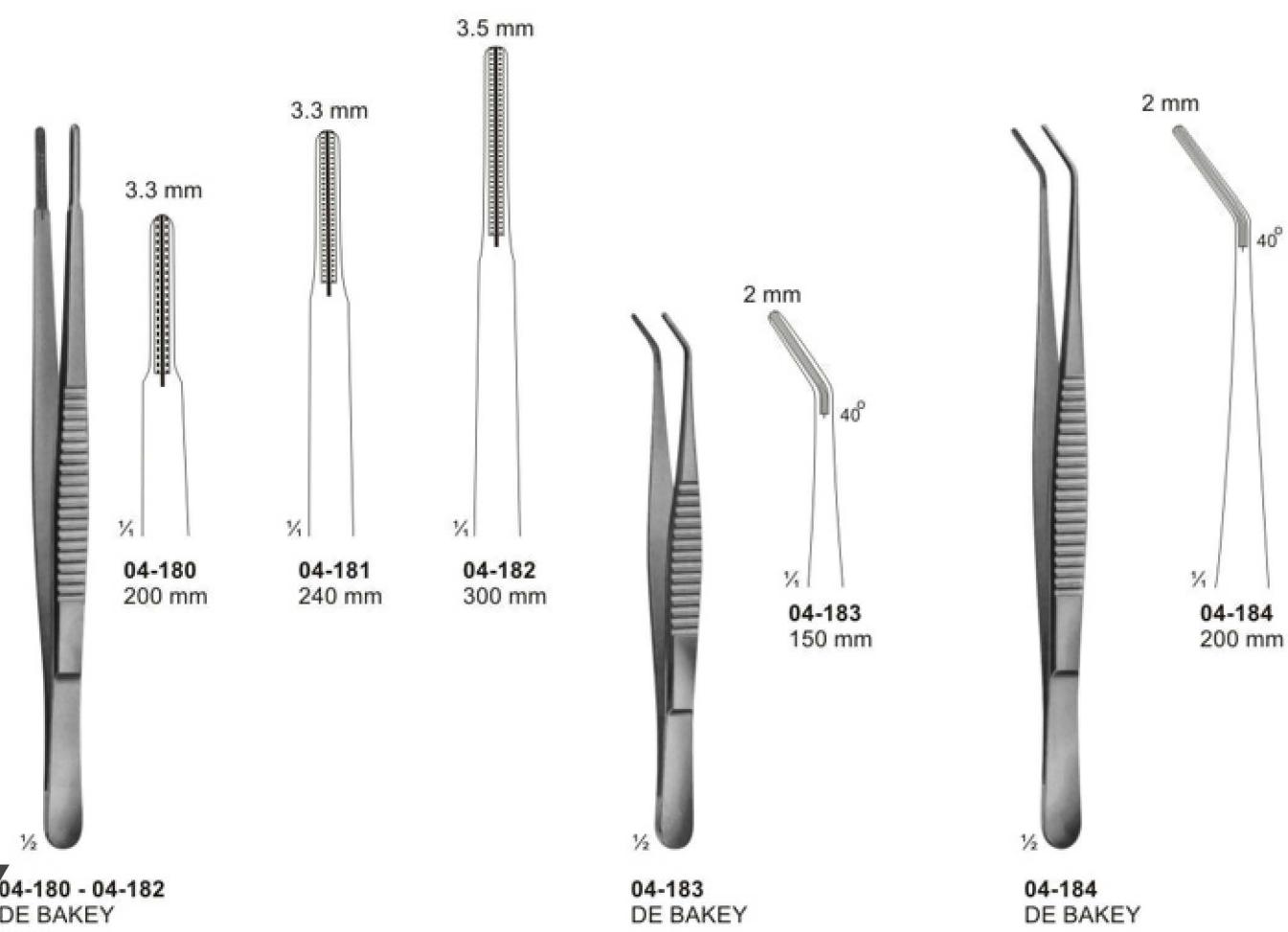
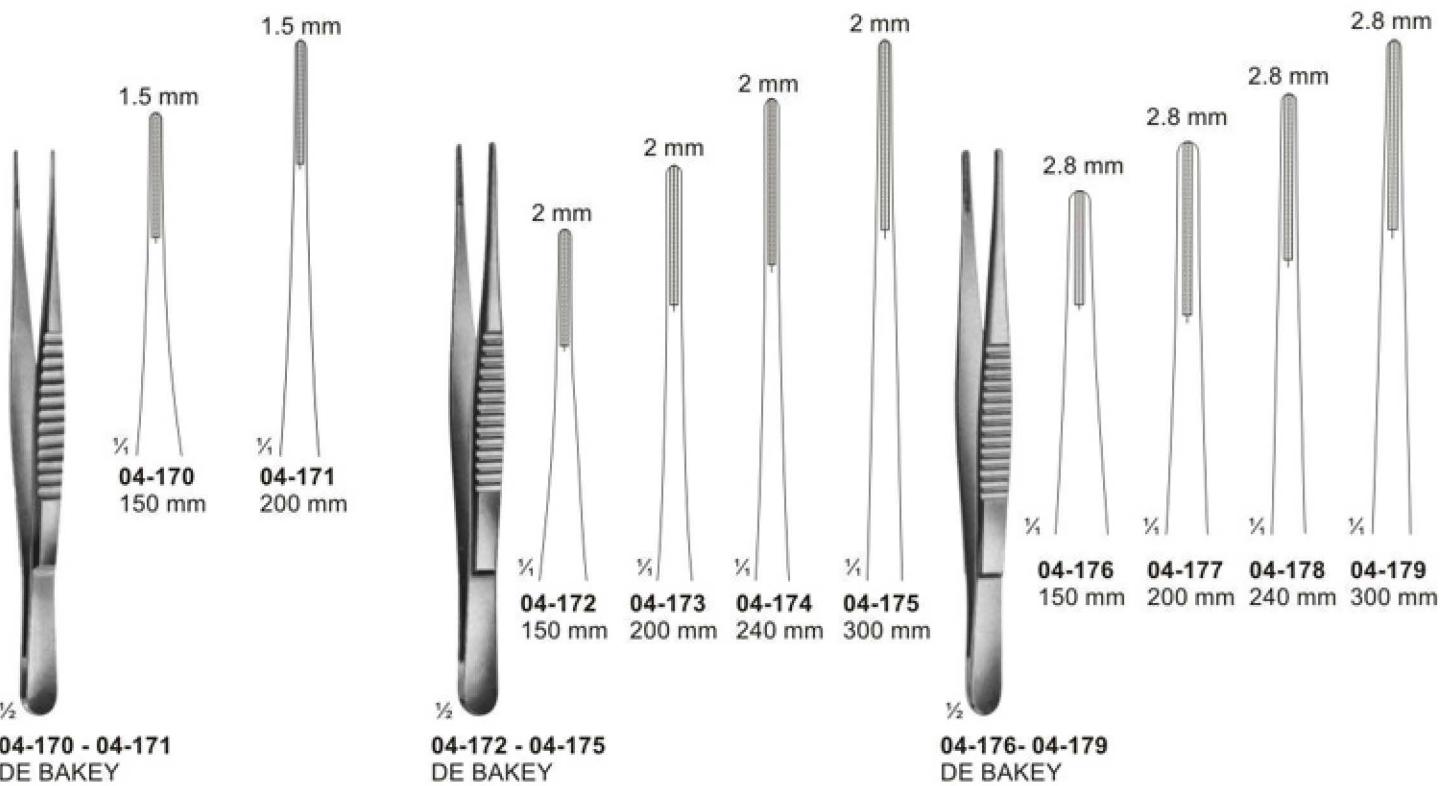
04-155 - 04-162  
STANDARD



04-163 - 04-167  
MEDIUM

04-168- 04-169  
MEDIUM

## Forceps



04-180 - 04-182  
DE BAKEY

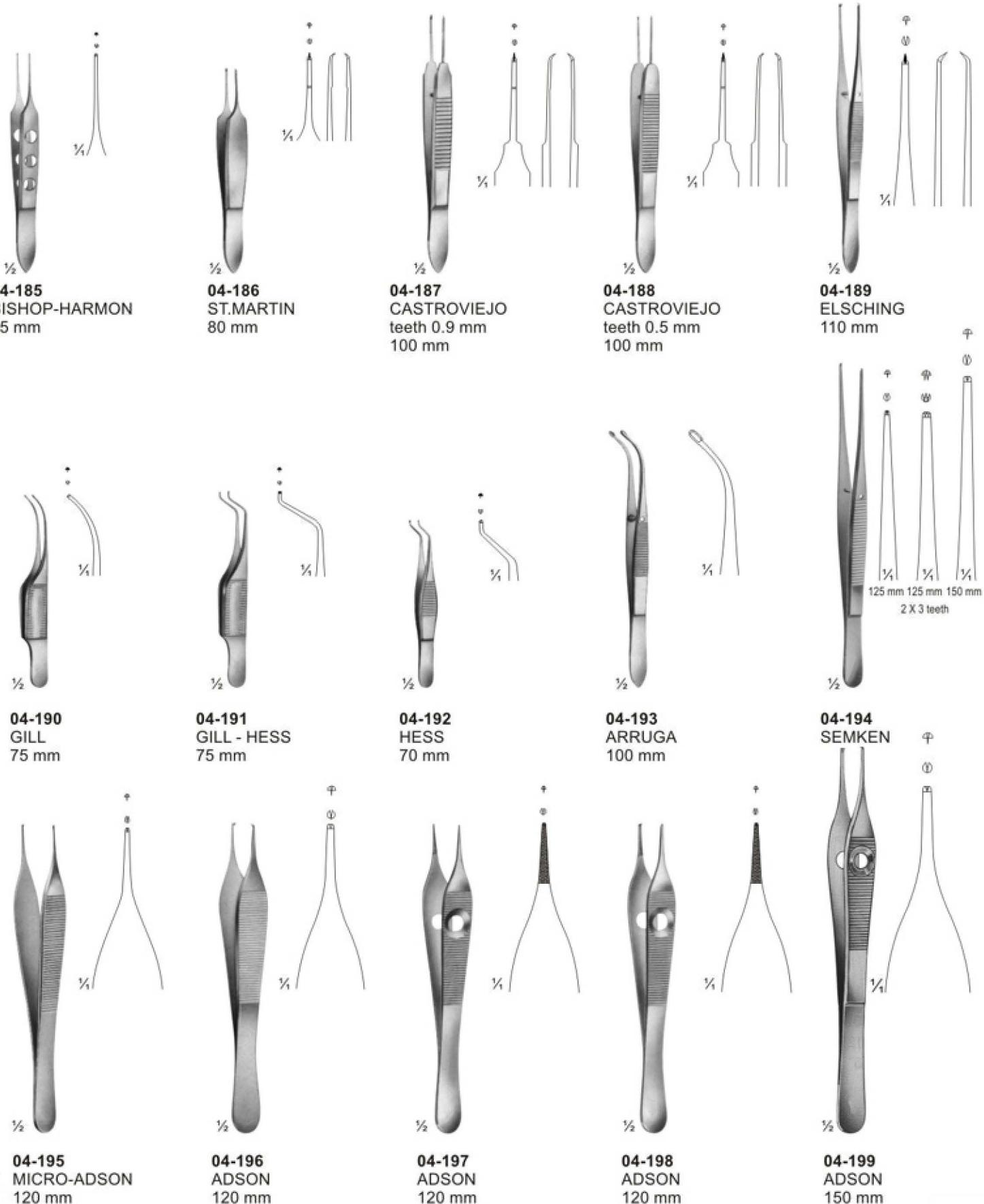
04-183  
DE BAKEY

04-184  
DE BAKEY



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Manufacturers & Exporters of Surgical, Dental Instruments

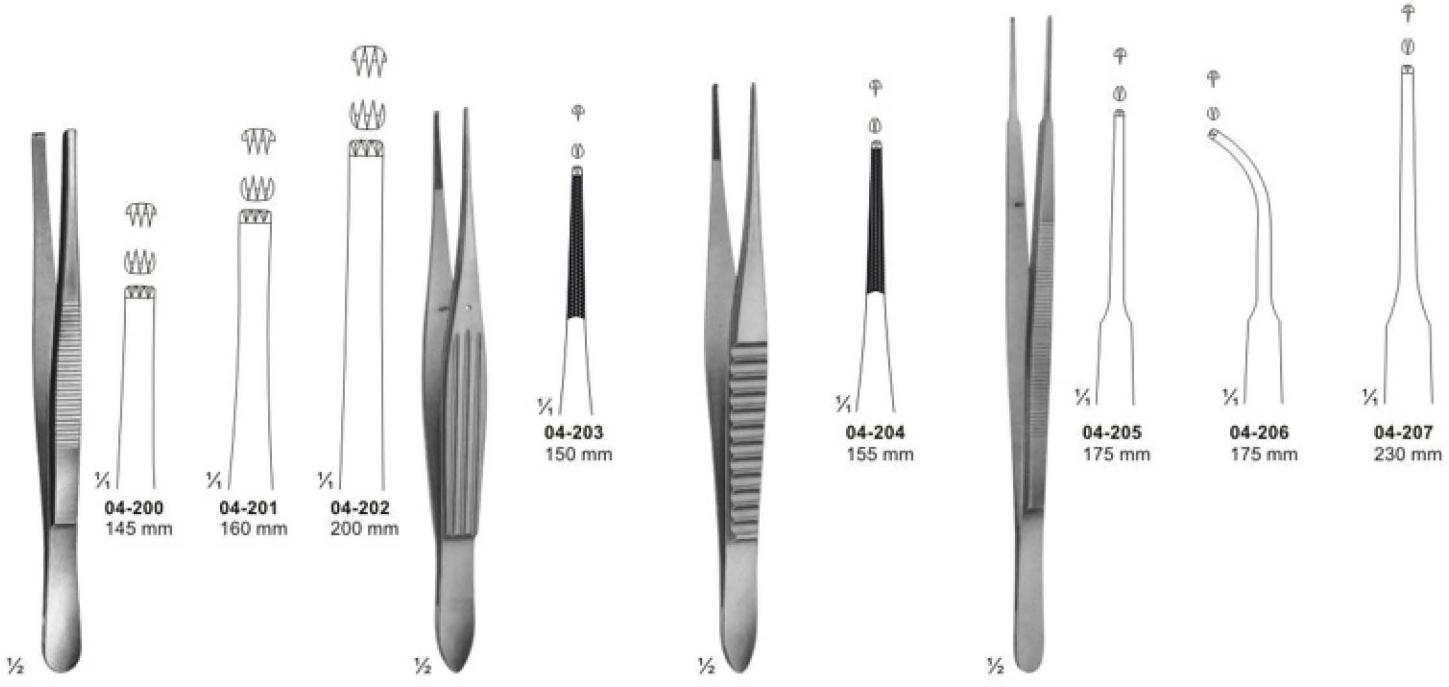
## Delicate Tissue Forceps





TREAL SURGICAL  
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## Tissue Forceps

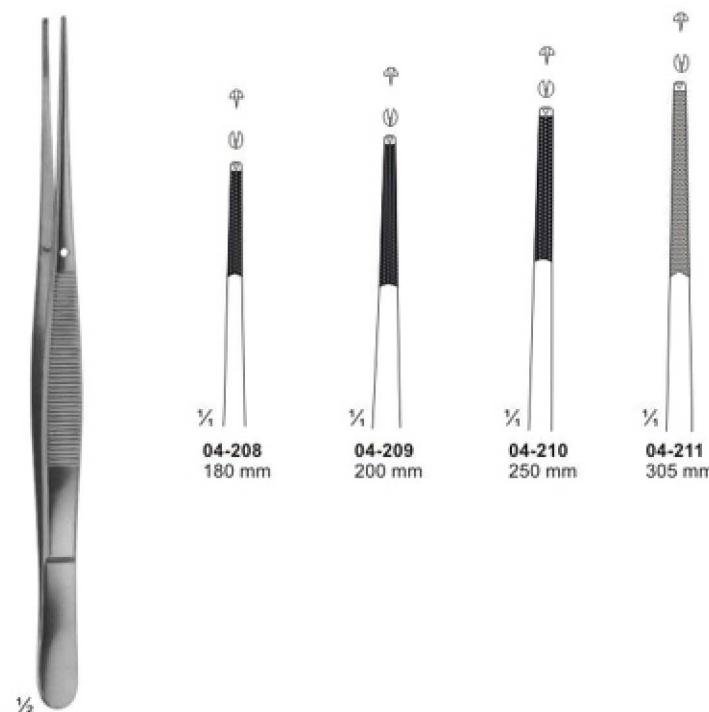


04-200 - 04-203  
3x4 teeth

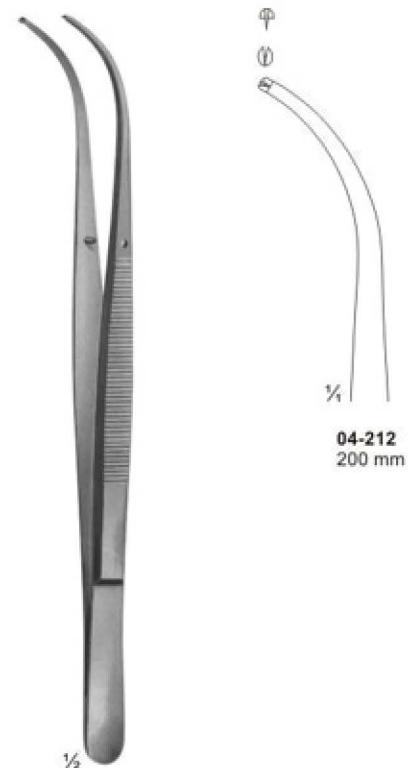
04-203  
MC INDOE

04-204  
GILLIES

04-205 - 04-207  
GERALD



04-208 - 04-211  
WAUGH

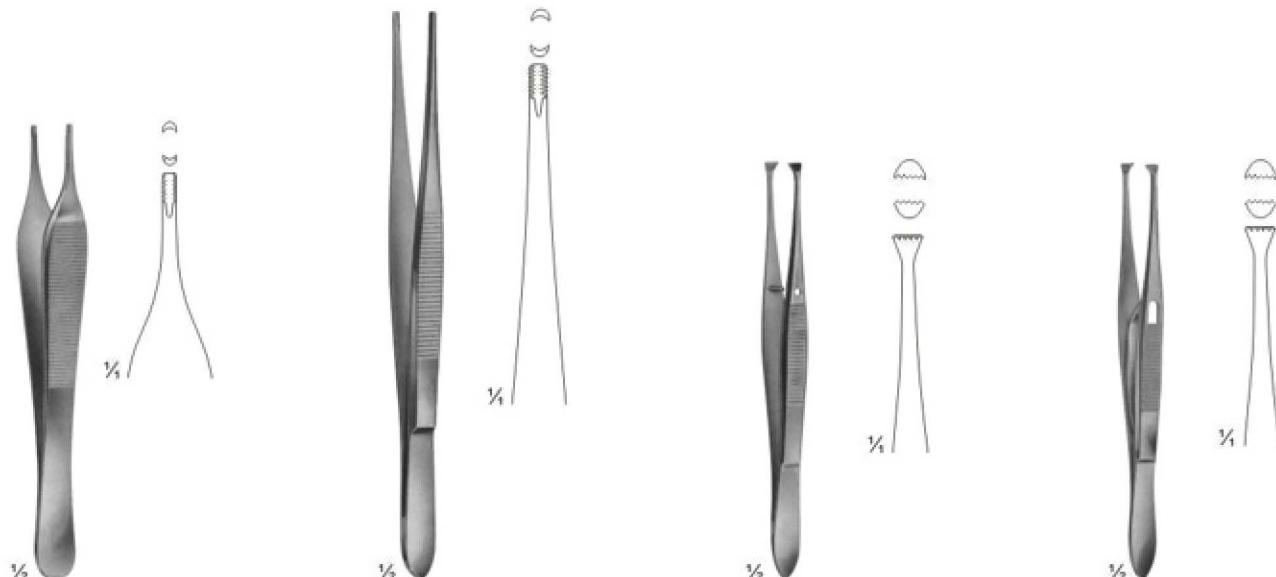


04-212  
BROPHY



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## Tissue Forceps

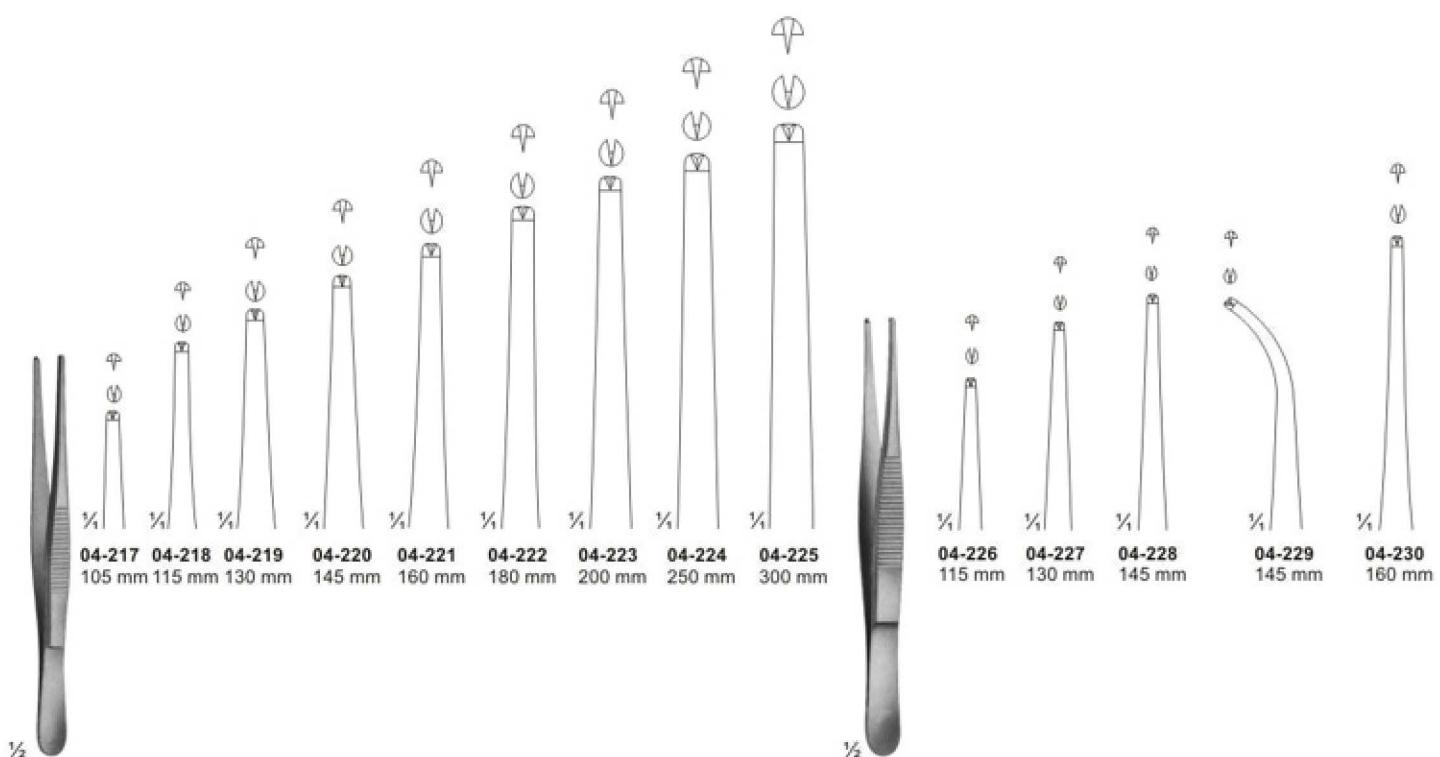


04-213  
ADSON - BROWN  
Non-traumatic  
120 mm

04-214  
BROWN  
120 mm

04-215  
GRAEFE  
110 mm

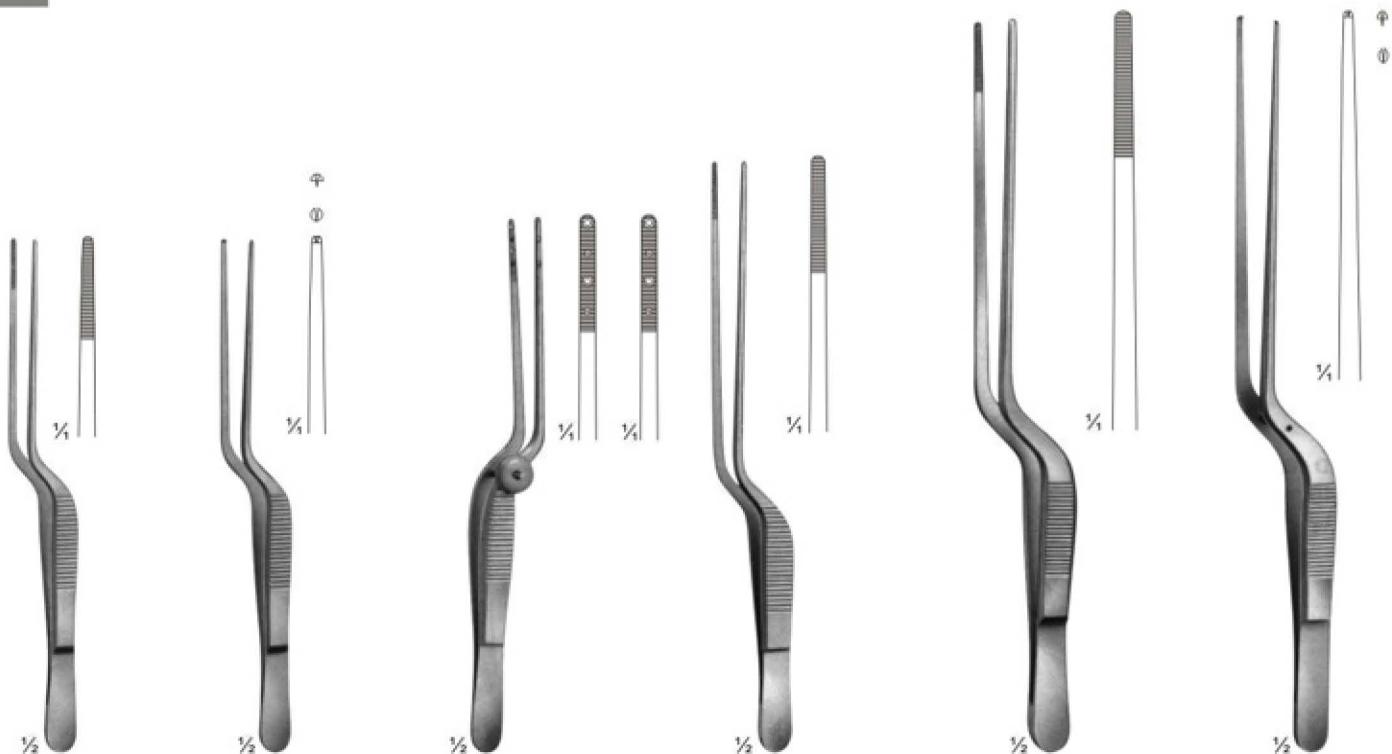
04-216  
GRAEFE  
With Catch  
110 mm



04-217 - 04-225  
STANDARD

04-226 - 04-230  
GRAEFE  
110 mm

## Forceps, Bayonet - Shaped



**04-231**  
LUCAE  
140 mm

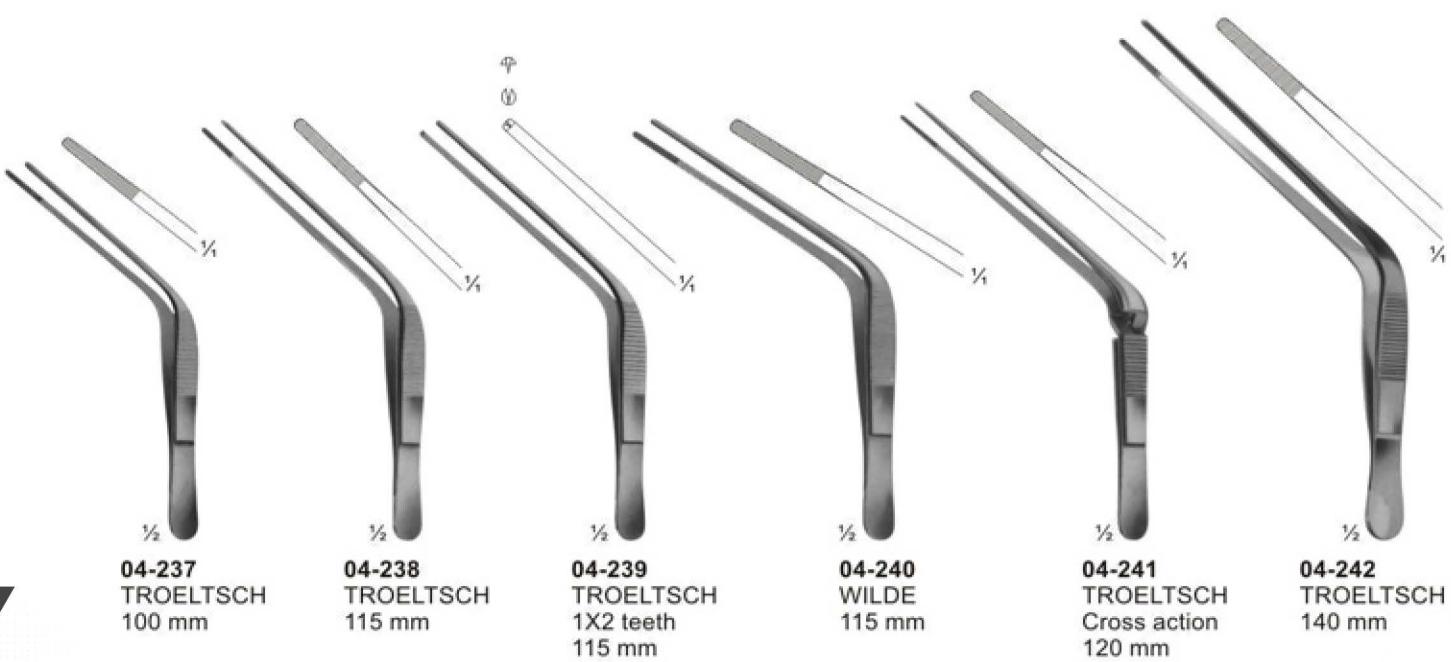
**04-232**  
LUCAE  
1x2 teeth  
140 mm

**04-233**  
COTTLER  
Forceps with  
jaws toothed  
and serrated  
140 mm

**04-234**  
JANSEN  
160 mm

**04-235**  
GRUENWALD  
200 mm

**04-236**  
1x2 teeth  
200 mm



**04-237**  
TROELTSCH  
100 mm

**04-238**  
TROELTSCH  
115 mm

**04-239**  
TROELTSCH  
1X2 teeth  
115 mm

**04-240**  
WILDE  
115 mm

**04-241**  
TROELTSCH  
Cross action  
120 mm

**04-242**  
TROELTSCH  
140 mm

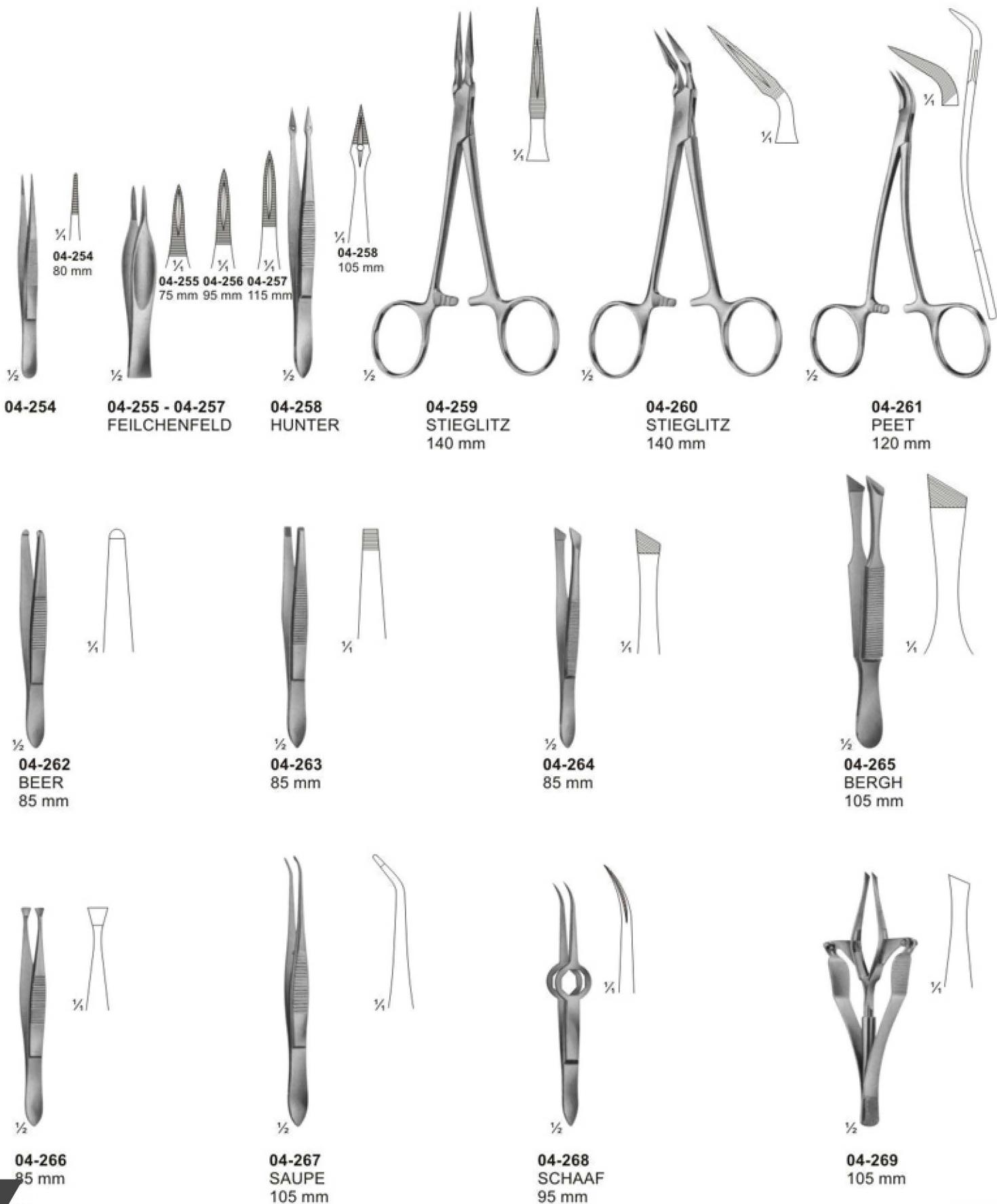


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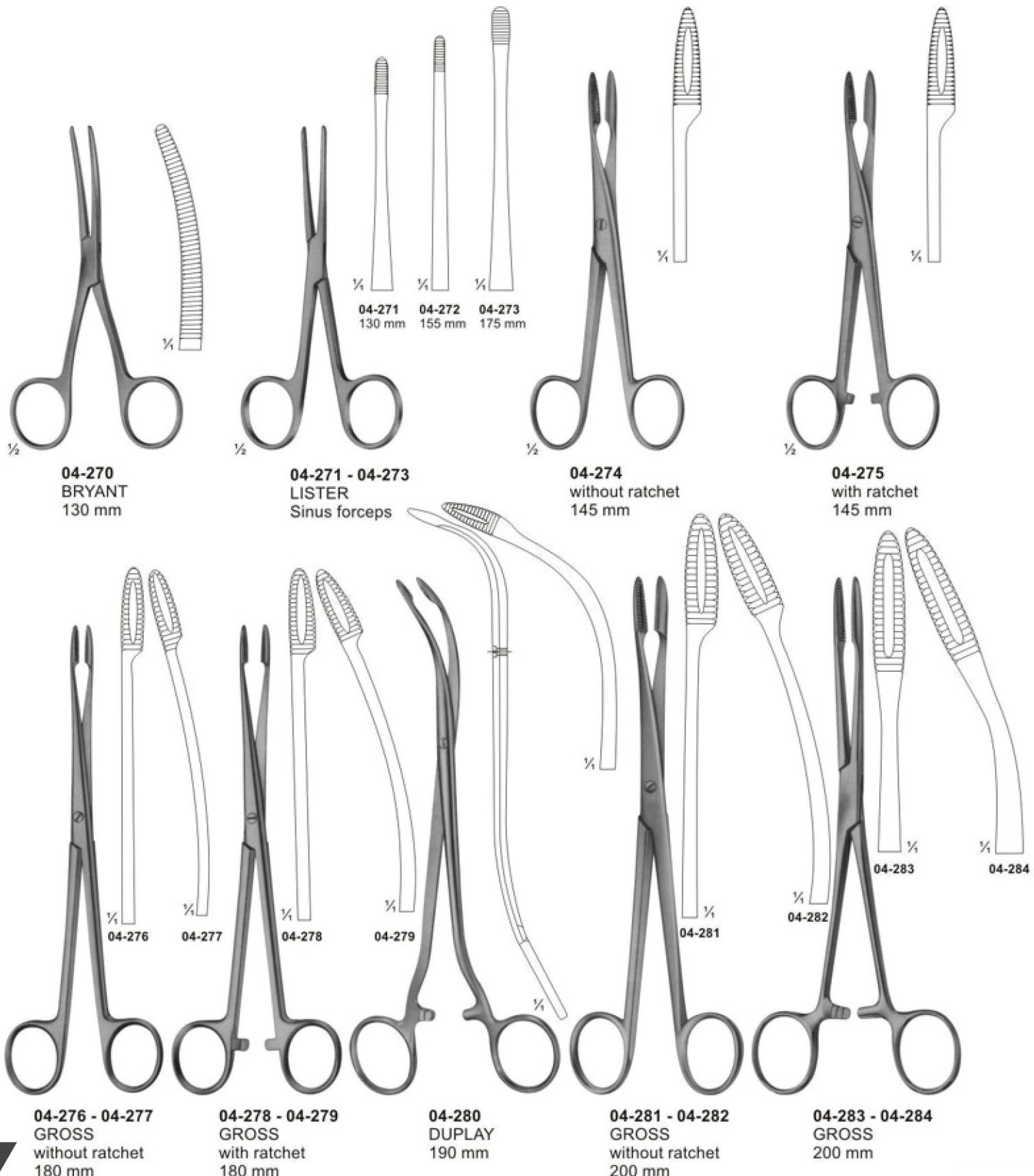
## Tissue Forceps, Lung Dissecting Forceps



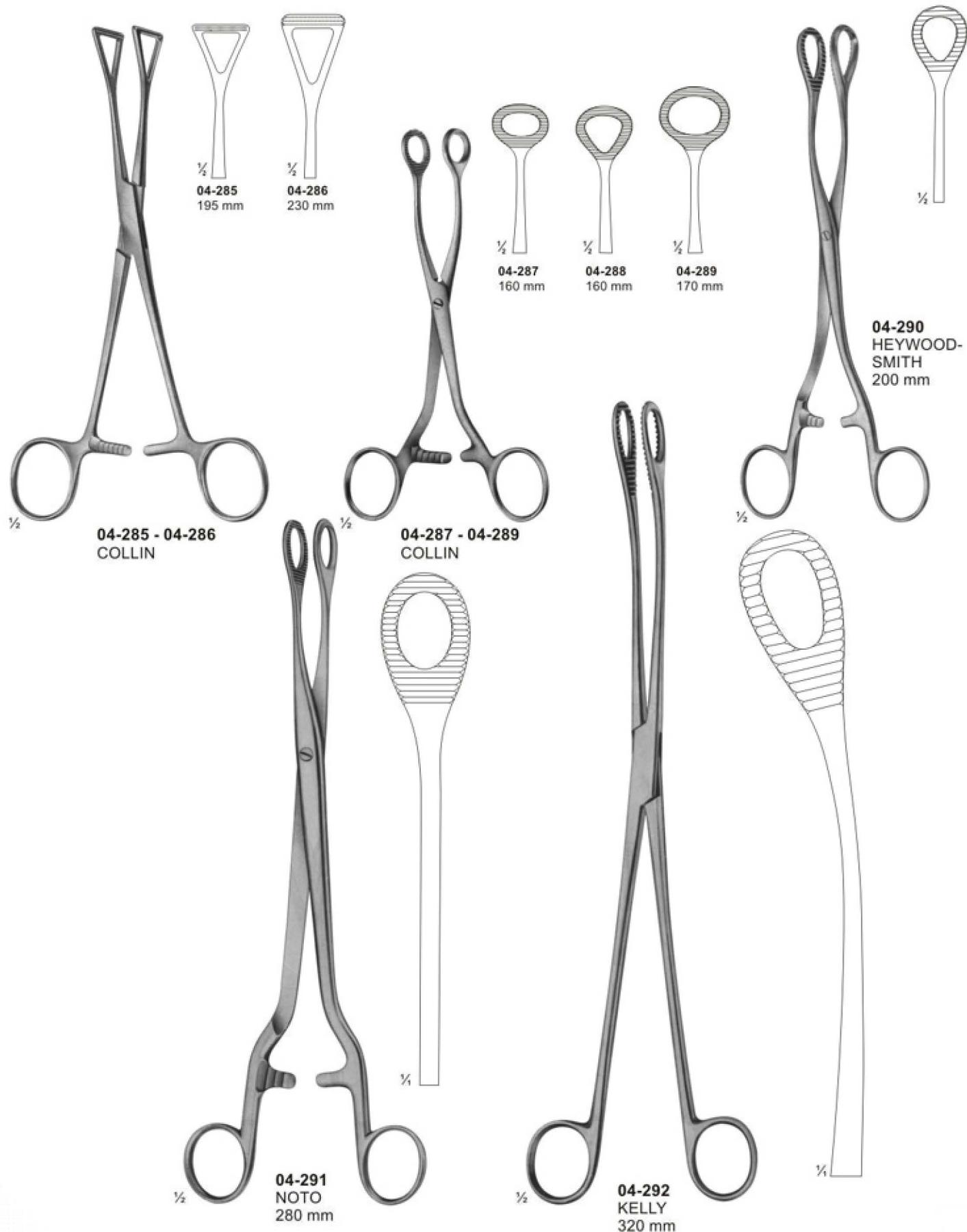
## Splinter and Cilia Forceps



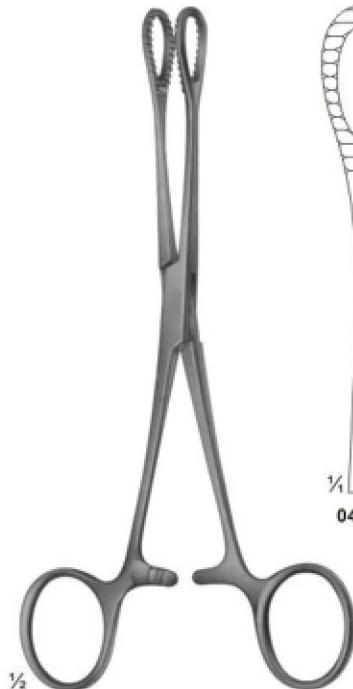
## Sponge and Dressing Forceps



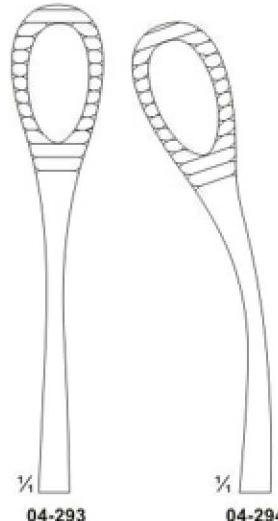
## Dressing-, Sponge holding-, Organ- and Tissue Grasping Forceps



## Dressing, Sponge holding, Organ and Tissue Grasping Forceps



**04-293 - 04-294**  
FOERSTER-BALLENDER  
180 mm

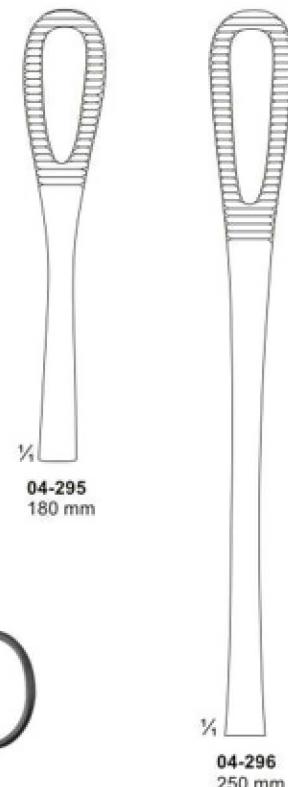


04-293

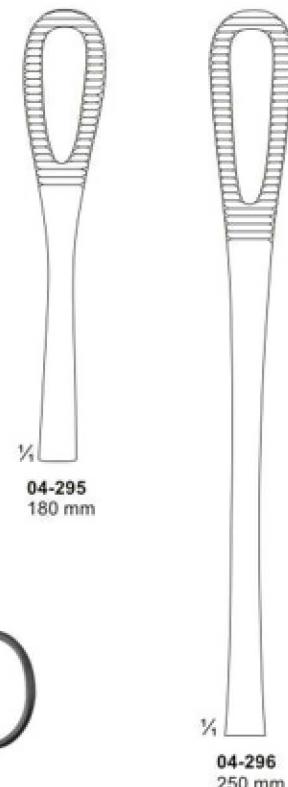
04-294



**04-295 - 04-296**  
RAMPLEY



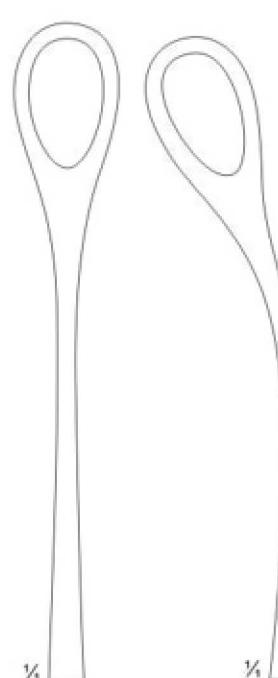
04-296  
250 mm



04-295  
180 mm



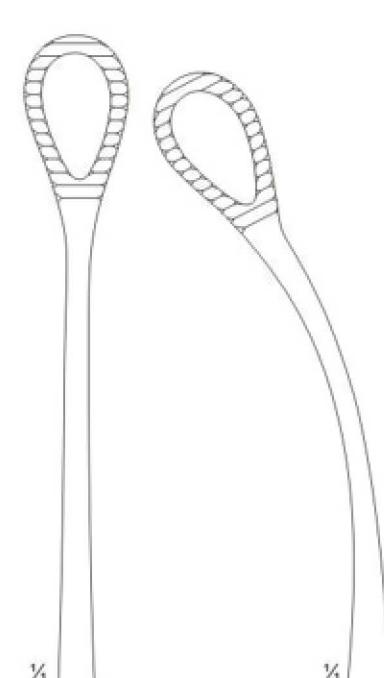
**04-297 - 04-300**  
FOERSTER-BALLENDER  
240 mm



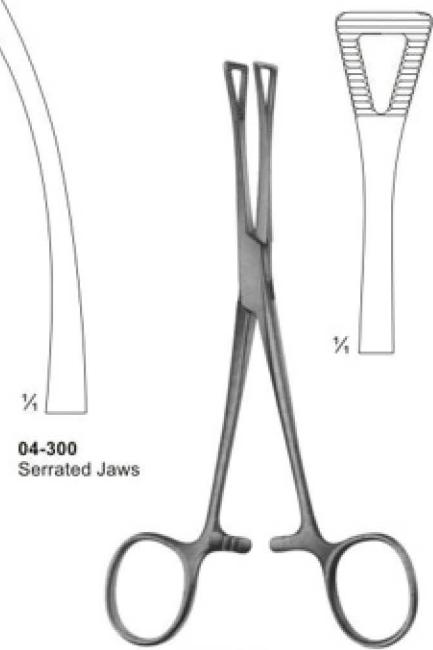
04-297  
Smooth Jaws



04-298  
Smooth Jaws



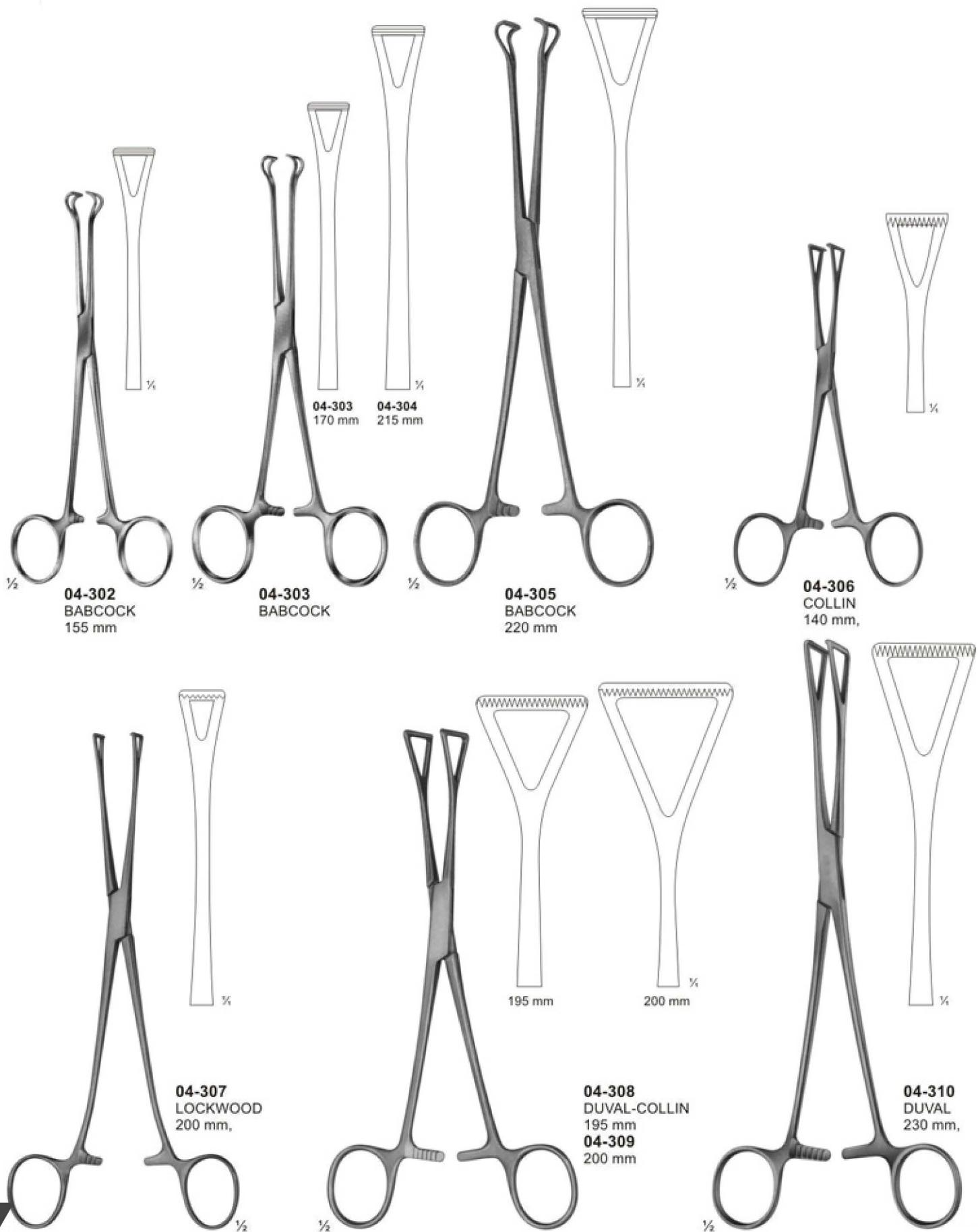
04-299  
Serrated Jaws



04-300  
Serrated Jaws

**04-301**  
PENNINGTON  
155 mm

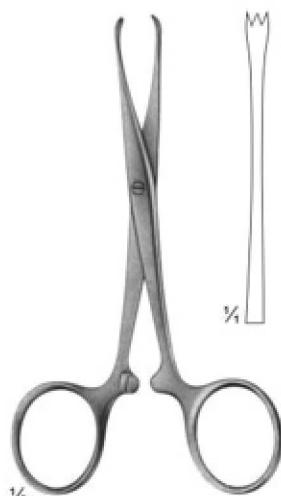
## Intestinal Grasping Forceps



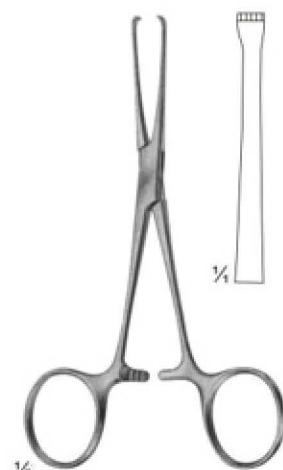


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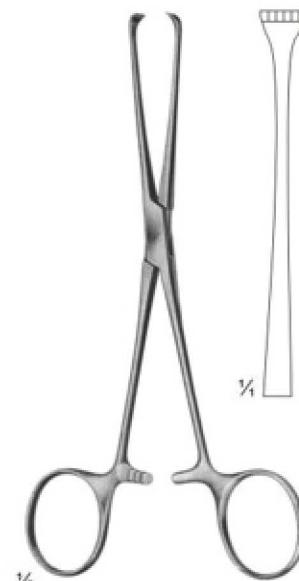
## Artery Traction - and Tissue Grasping Forceps



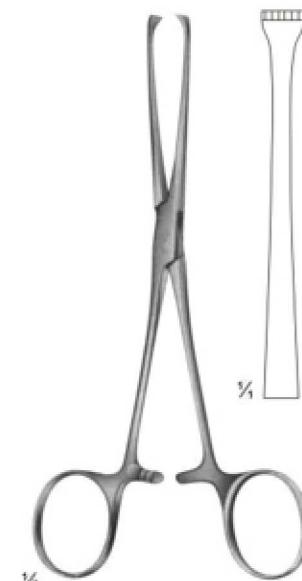
04-311  
CHAPUT  
2 x 3 teeth  
125 mm



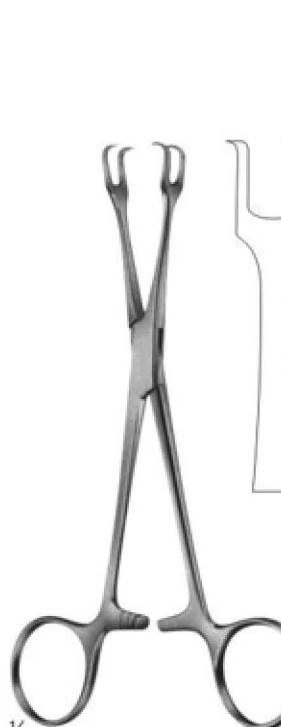
04-312  
BABY-ALLIS  
4 x 5 teeth  
130 mm



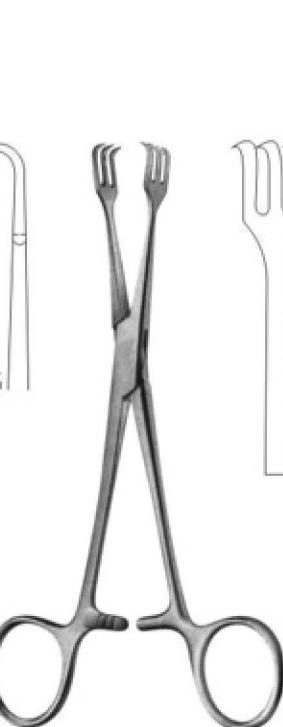
04-313  
BOYS-ALLIS  
5 x 6 teeth sharp  
155 mm



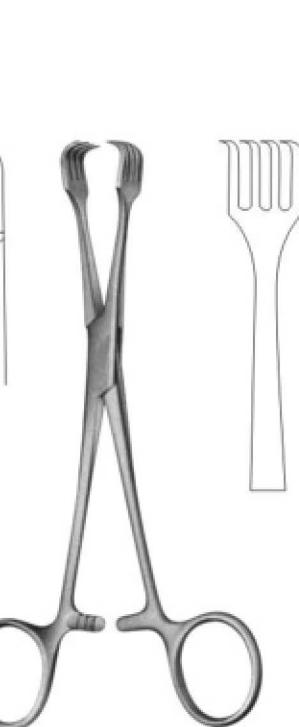
04-314  
ALLIS  
5 x 6 teeth  
155 mm



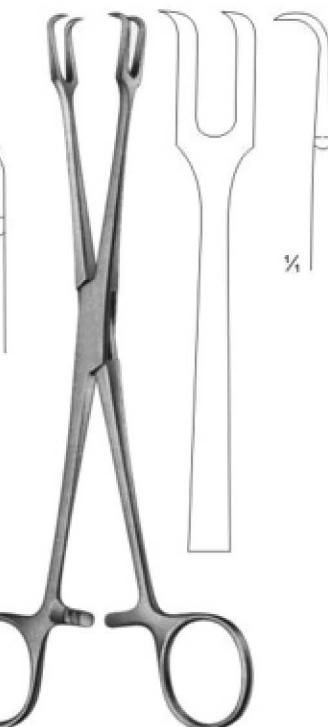
04-315  
LAHEY  
155 mm



04-316  
LAHEY  
155 mm



04-317  
BRAUN  
155 mm

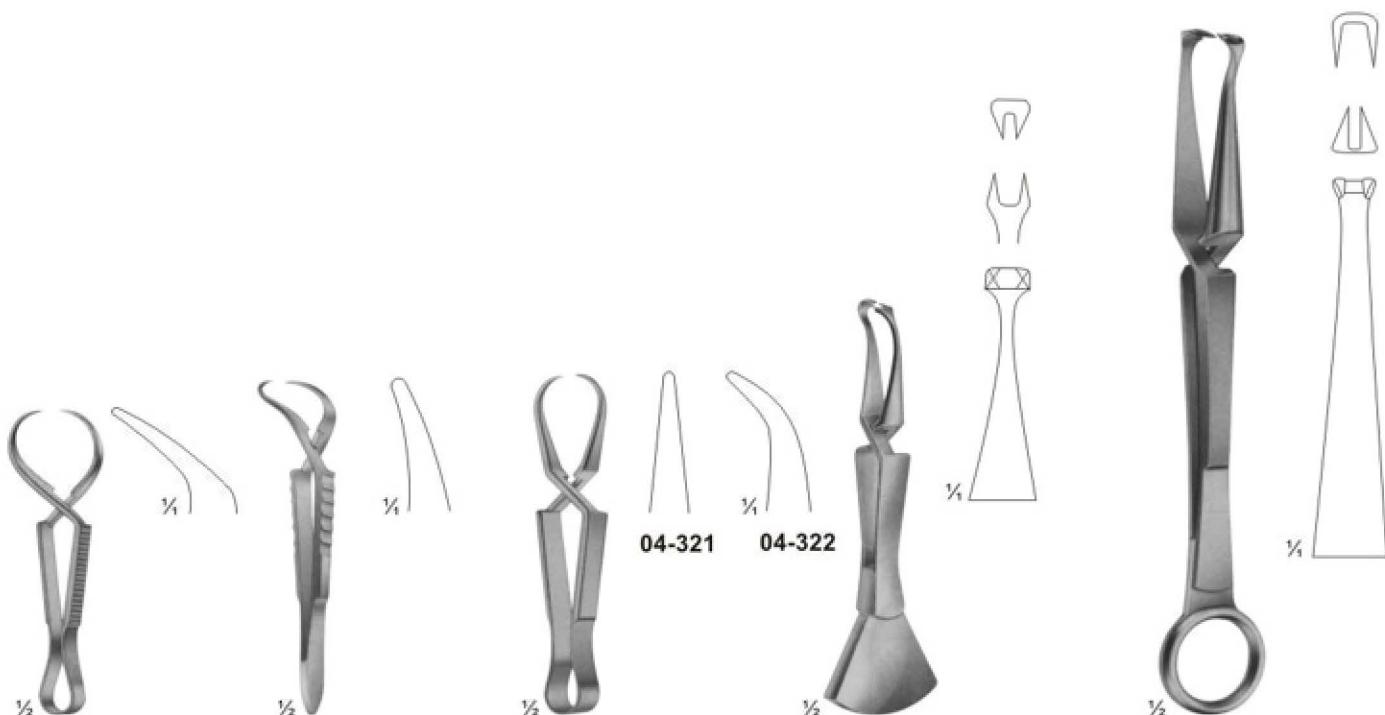


04-318  
MUSEUX  
200 mm



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## Towel Clamps



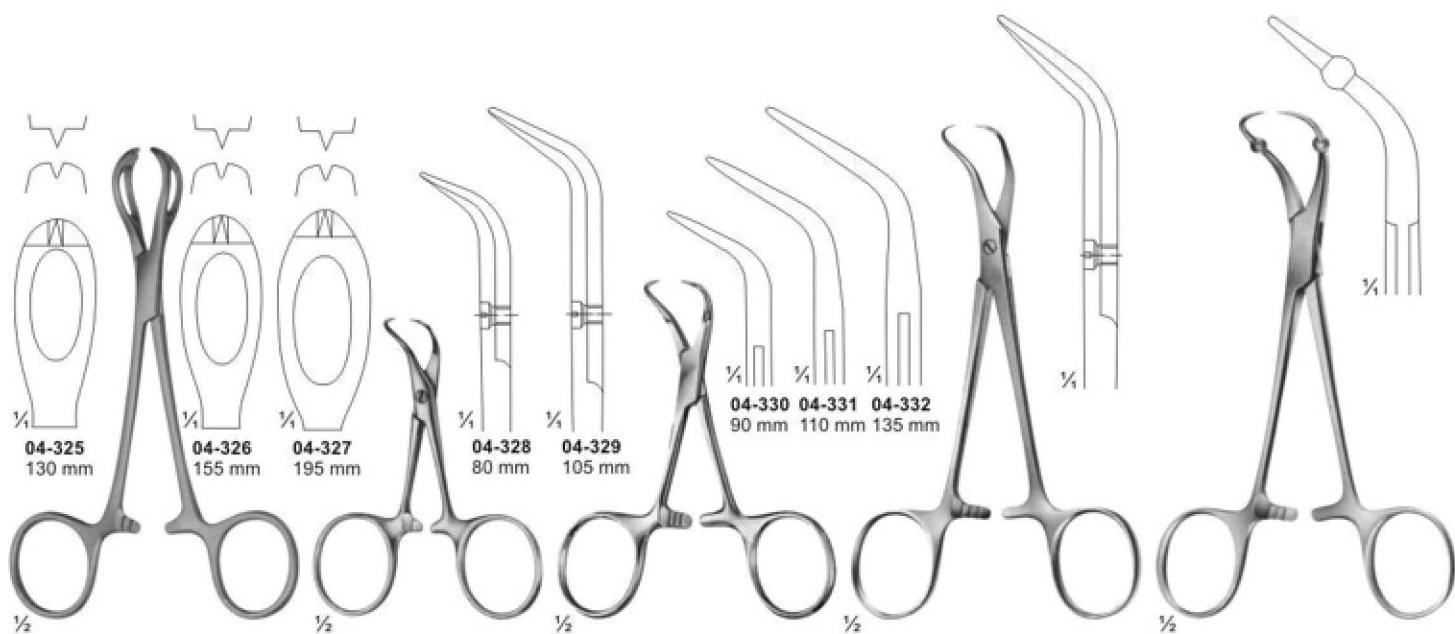
04-319  
JONES  
85 mm

**04-320**  
ENGL. MOD.  
85 mm

04-321 - 04-322  
SCHAEDEL  
85 mm

04-323  
DOYEN  
110 mm

04-324  
DOYEN  
180 mm



04-325 - 04-327  
LANE

04-328 - 04-329  
BACKHAUS

04-330 - 04-332  
BACKHAUS

**04-333**  
BACKHAUS-KOCHER  
135 mm

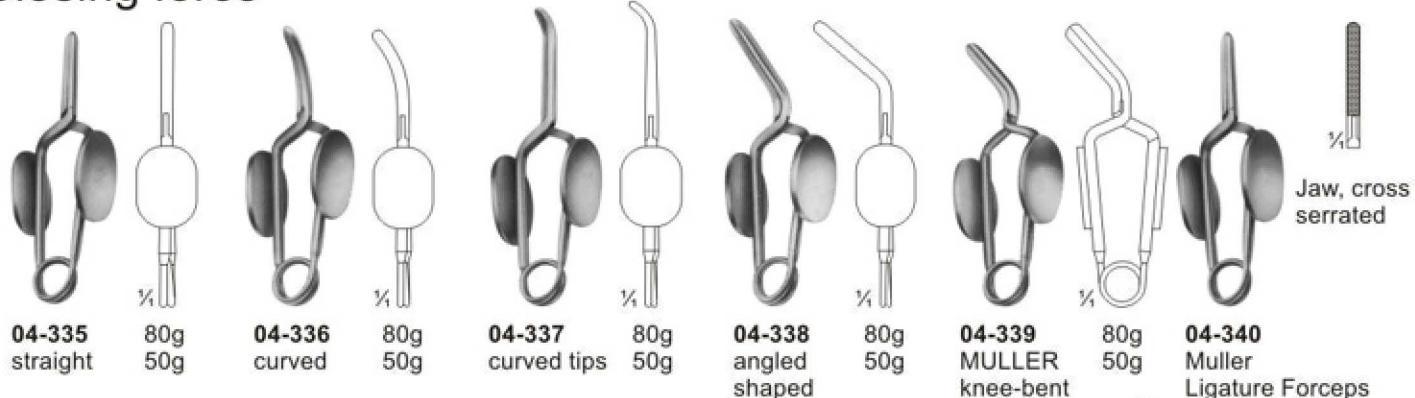
04-334  
ROEDER  
135 mm



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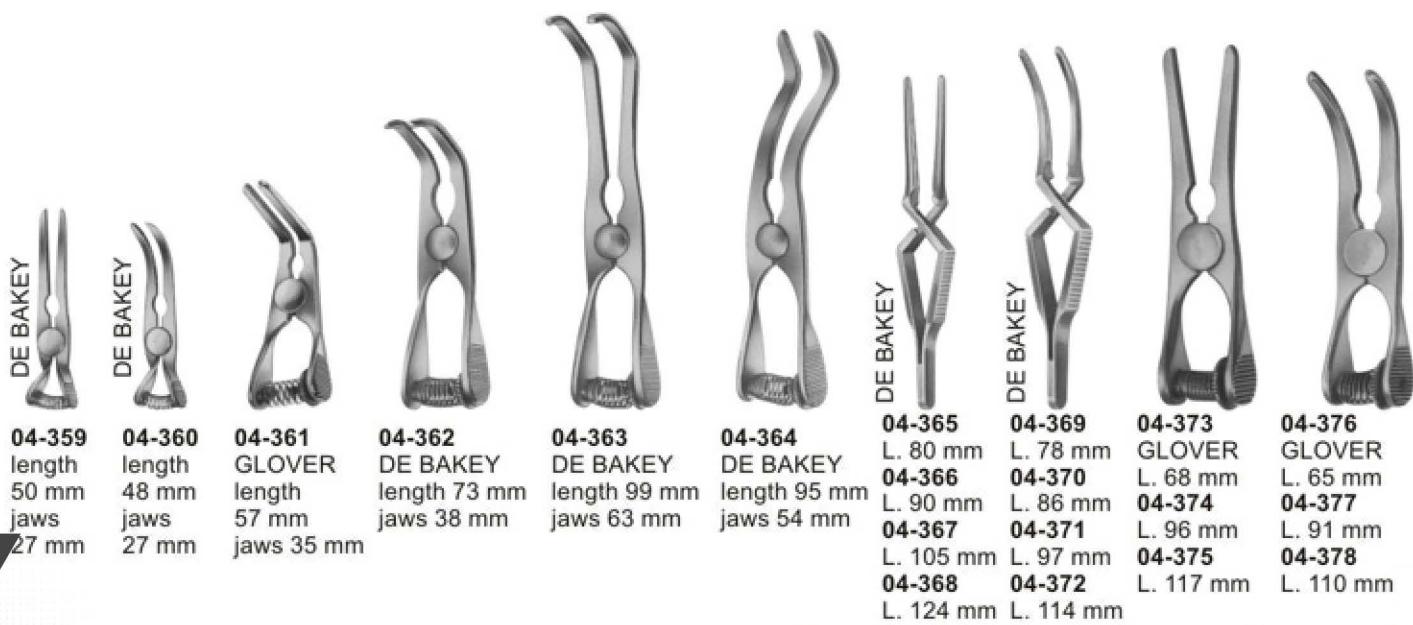
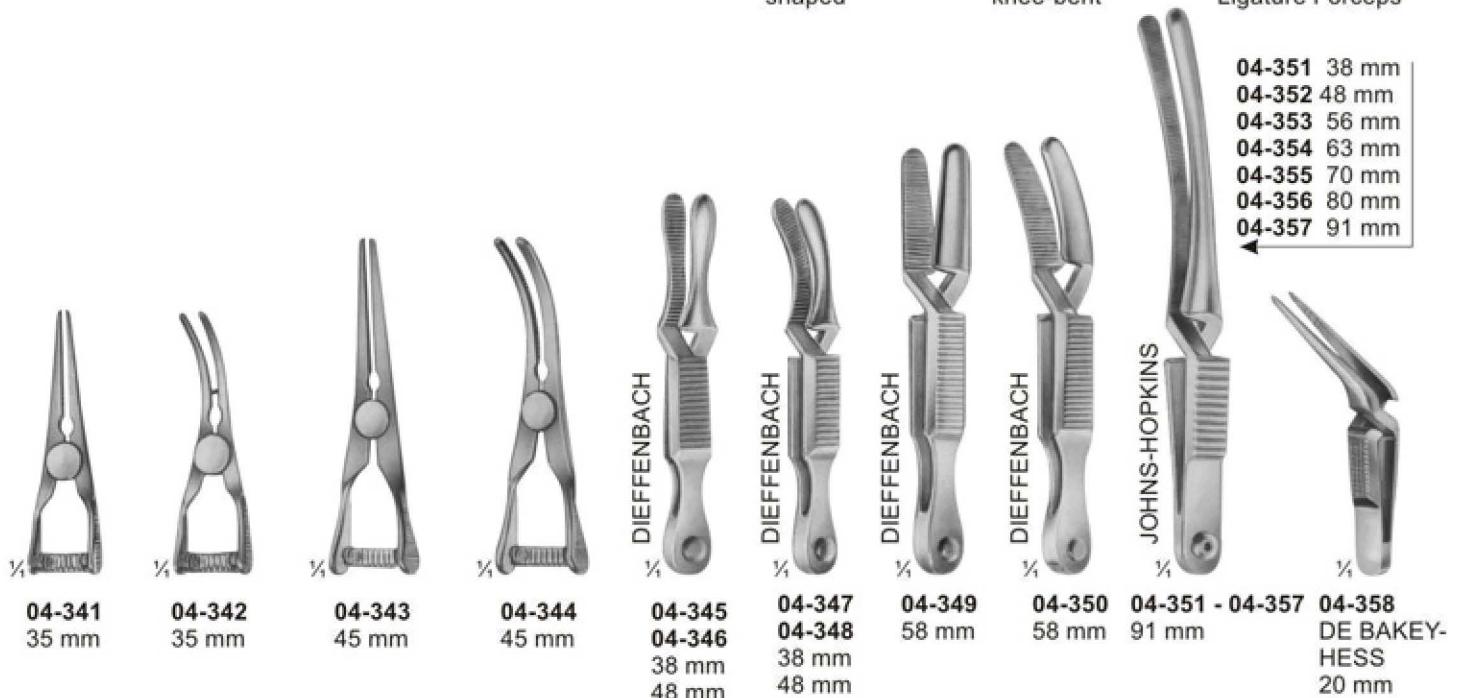
## Muller Vessel Clips and Bulldog Clamps

### Closing force

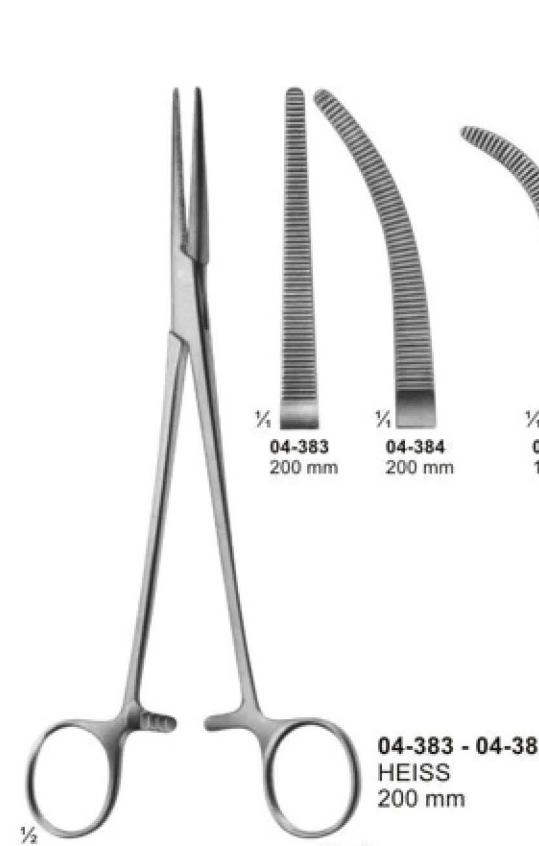
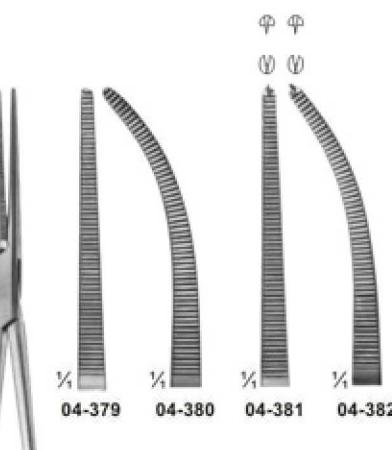


$\frac{1}{4}$   
Jaw, cross serrated

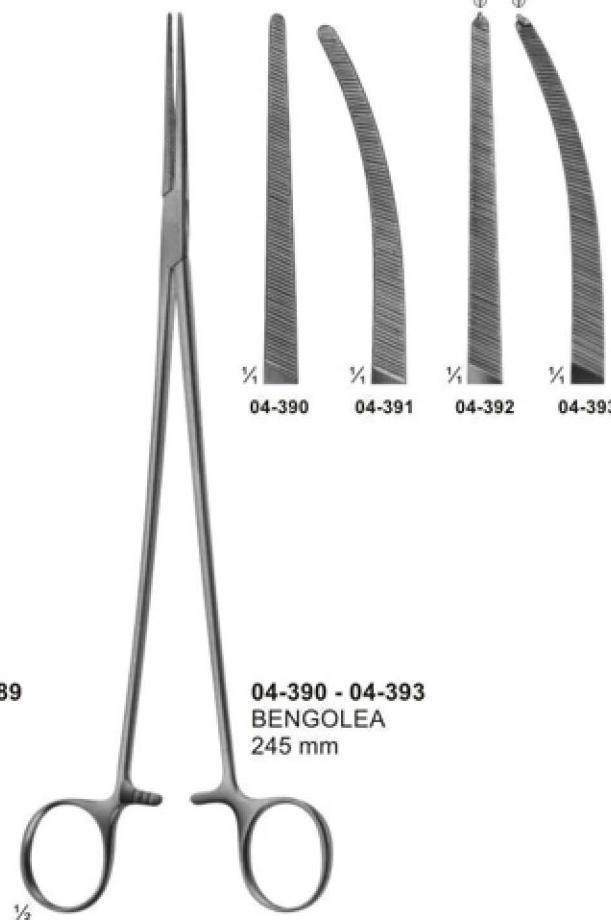
04-351 38 mm  
04-352 48 mm  
04-353 56 mm  
04-354 63 mm  
04-355 70 mm  
04-356 80 mm  
04-357 91 mm



## Delicate Haemostatic Forceps



04-383 - 04-387  
HEISS  
200 mm



04-388 - 04-389  
HALSTED  
215 mm



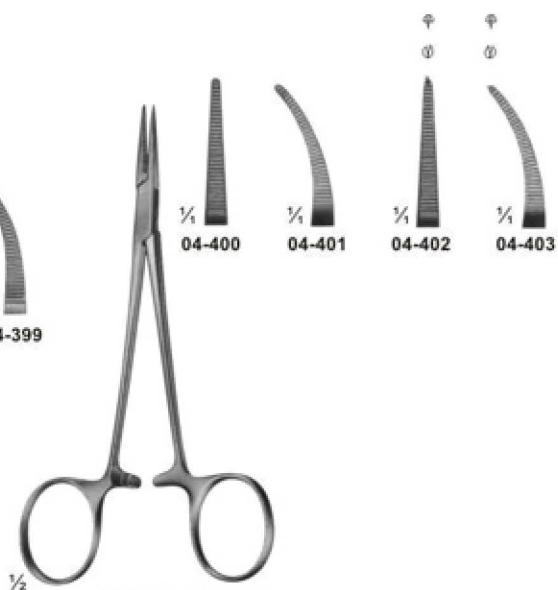
## Delicate Haemostatic Forceps



**04-395**  
CARREL  
85 mm



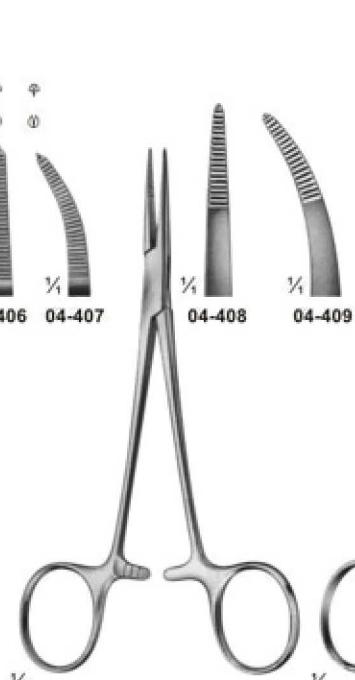
**04-396 - 04-399**  
BABY-MOSQUITO  
(HARTMANN)  
100 mm



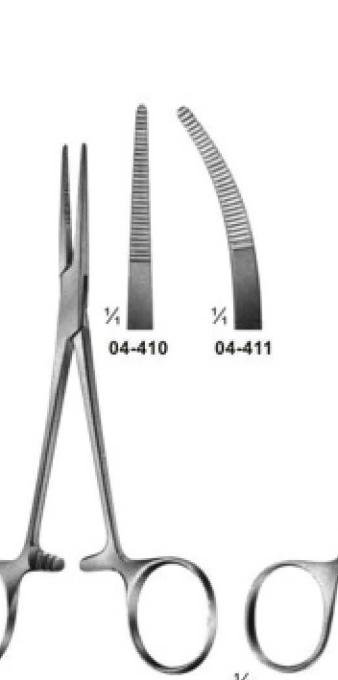
**04-400 - 04-403**  
MICRO-HALSTED  
125 mm



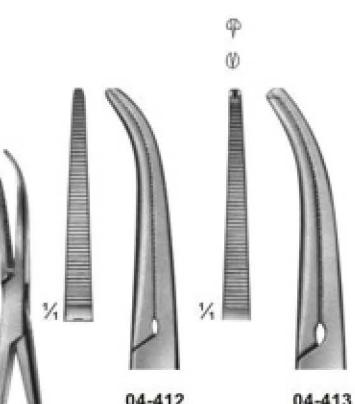
**04-404 - 04-407**  
HALSTED-MOSQUITO  
125 mm



**04-408 - 04-409**  
PROVIDENCE-HOSPITAL  
140 mm



**04-410 - 04-411**  
KELLY  
140 mm

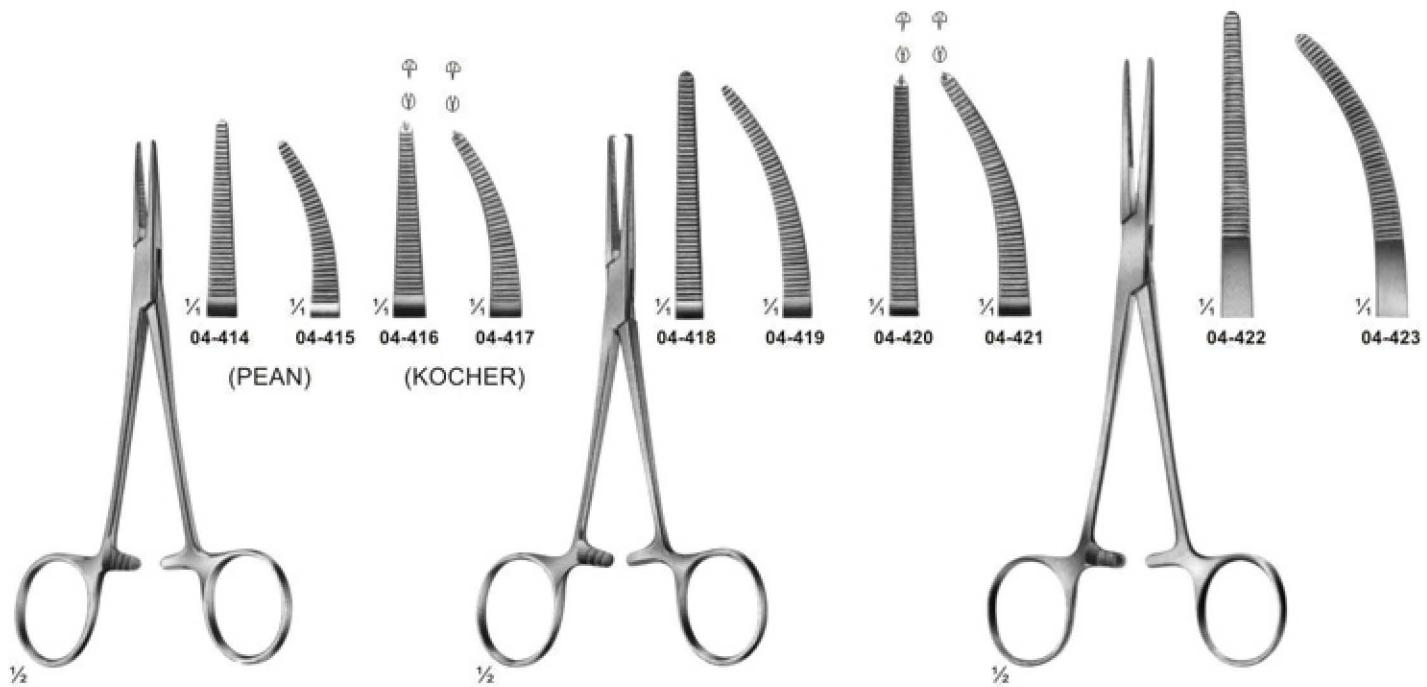


**04-412 - 04-413**  
DANDY  
Curved sideways  
140 mm



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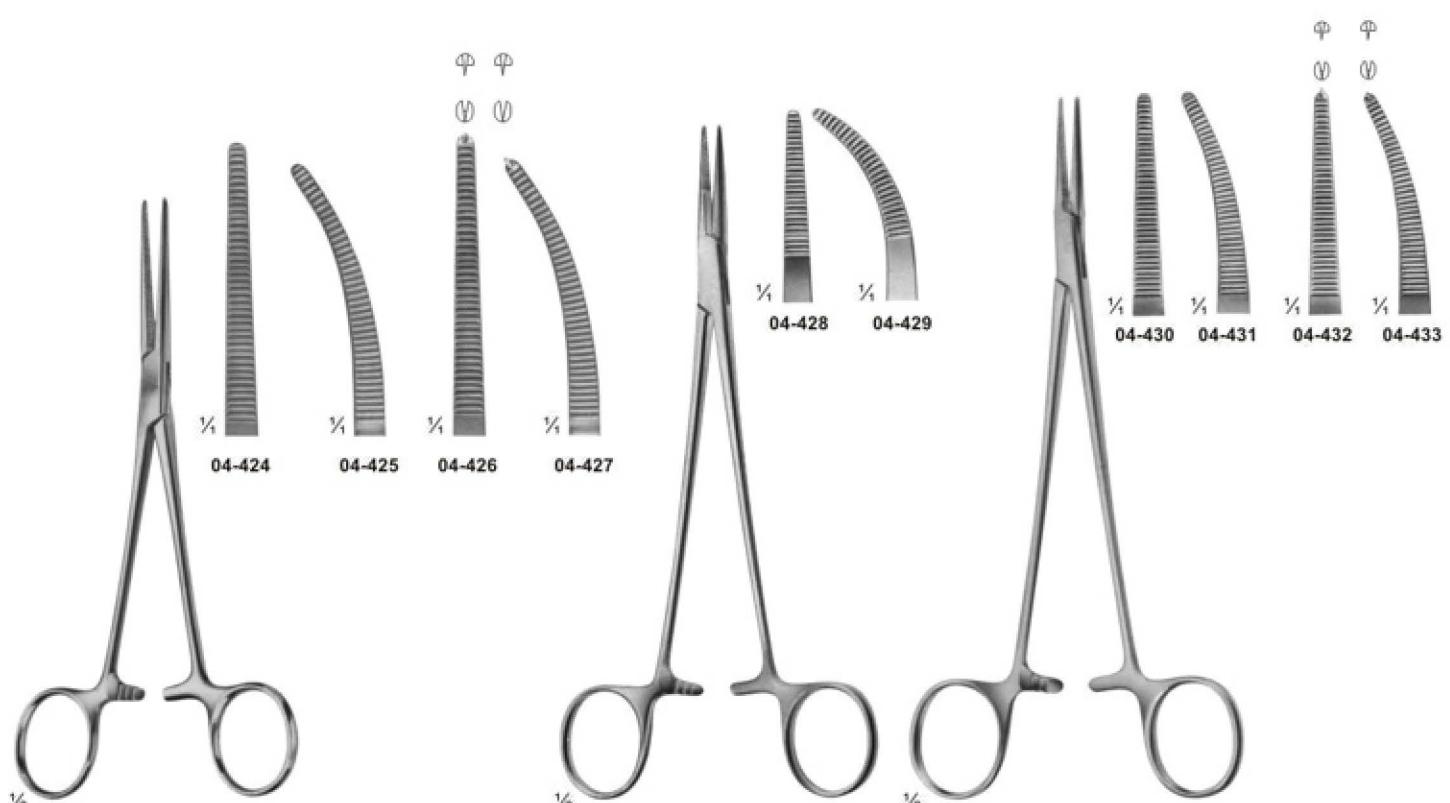
## Delicate Haemostatic Forceps



04-414 - 04-417  
BABY-CRILE  
140 mm

04-418 - 04-421  
CRILE  
140 mm

04-422 - 04-423  
RANKIN  
160 mm

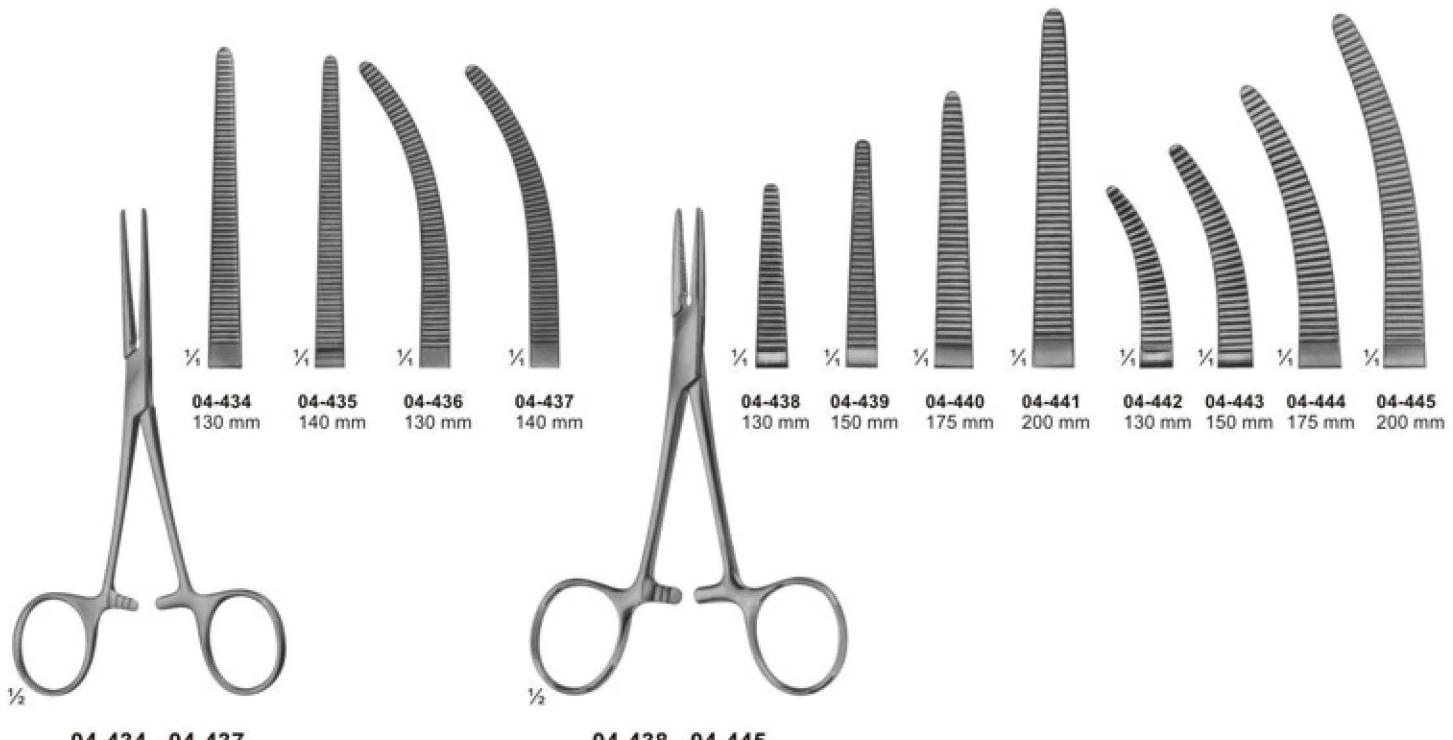


04-424 - 04-427  
CRILE  
160 mm

04-428 - 04-429  
ADSON  
185 mm

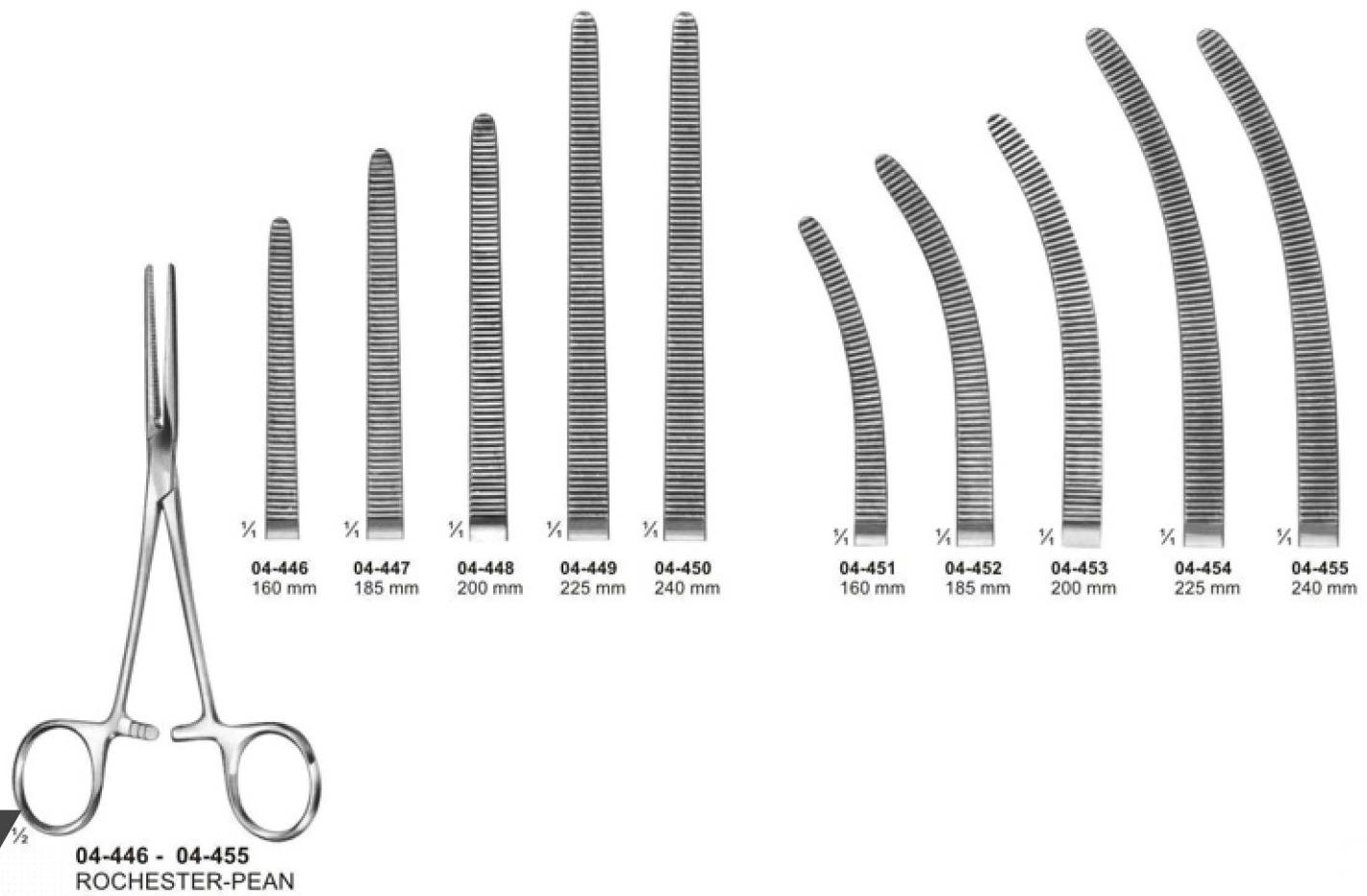
04-430 - 04-433  
HALSTED  
185 mm

## Haemostatic Forceps



**04-434 - 04-437**  
PEAN  
Slender type

**04-438 - 04-445**  
SPENCER-WELLS  
Slender type

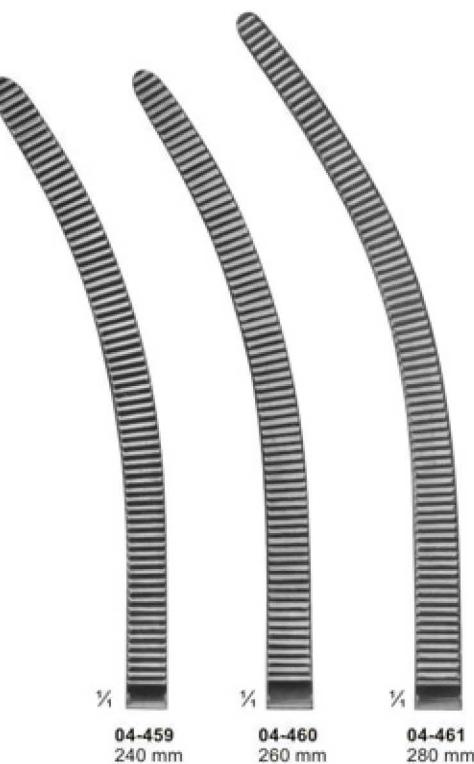
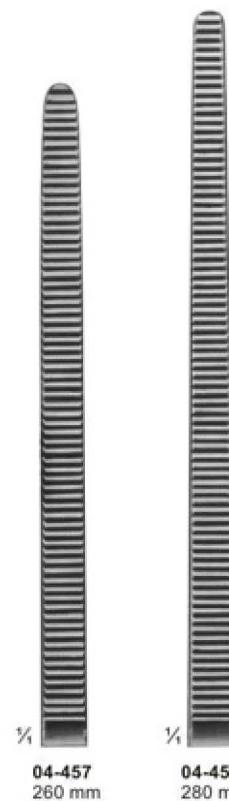


**04-446 - 04-455**  
ROCHESTER-PEAN

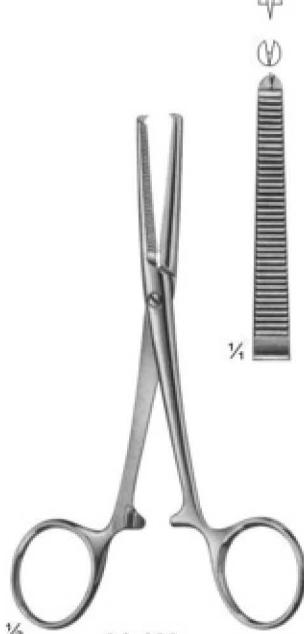
## Haemostatic Forceps



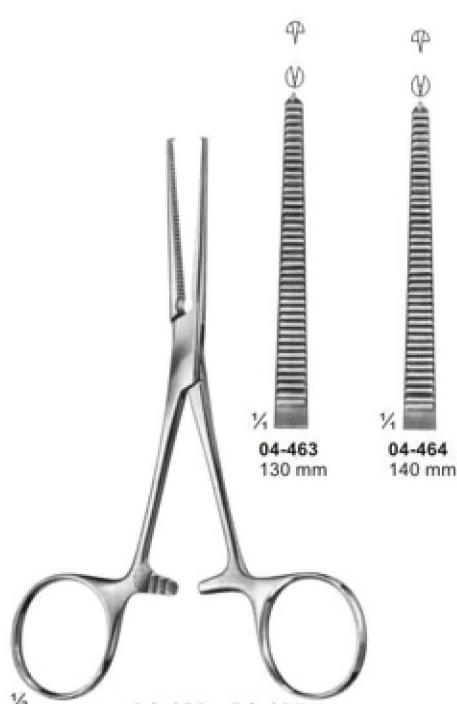
04-456  
240 mm



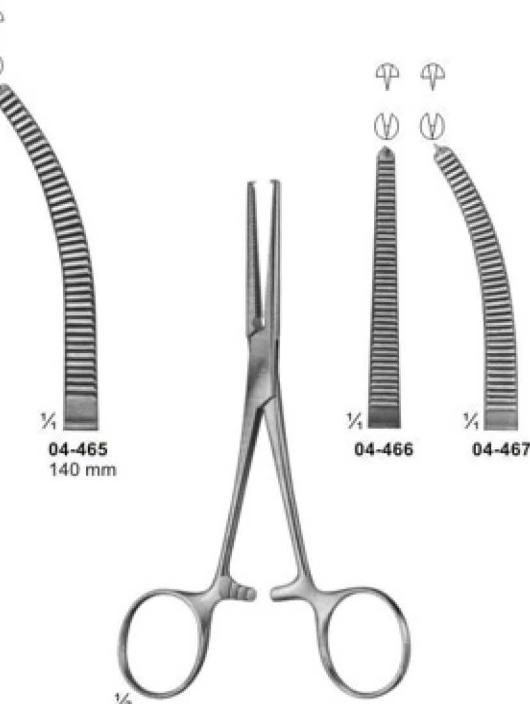
04-456 - 04-461  
PEAN



04-462  
KOCHE  
Strong Pattern  
145 mm



04-463 - 04-465  
KOCHE



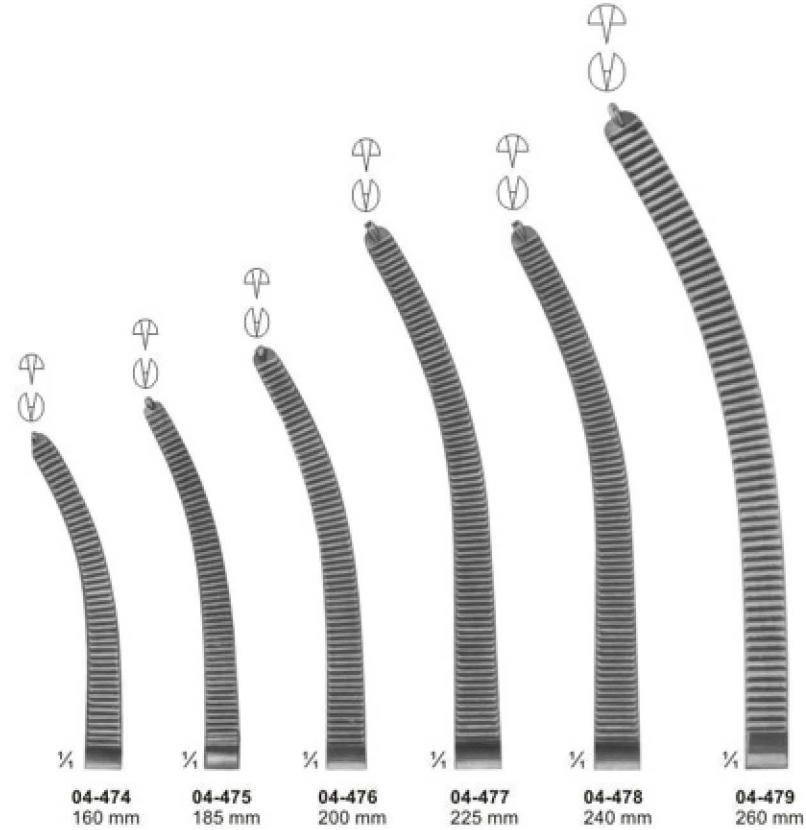
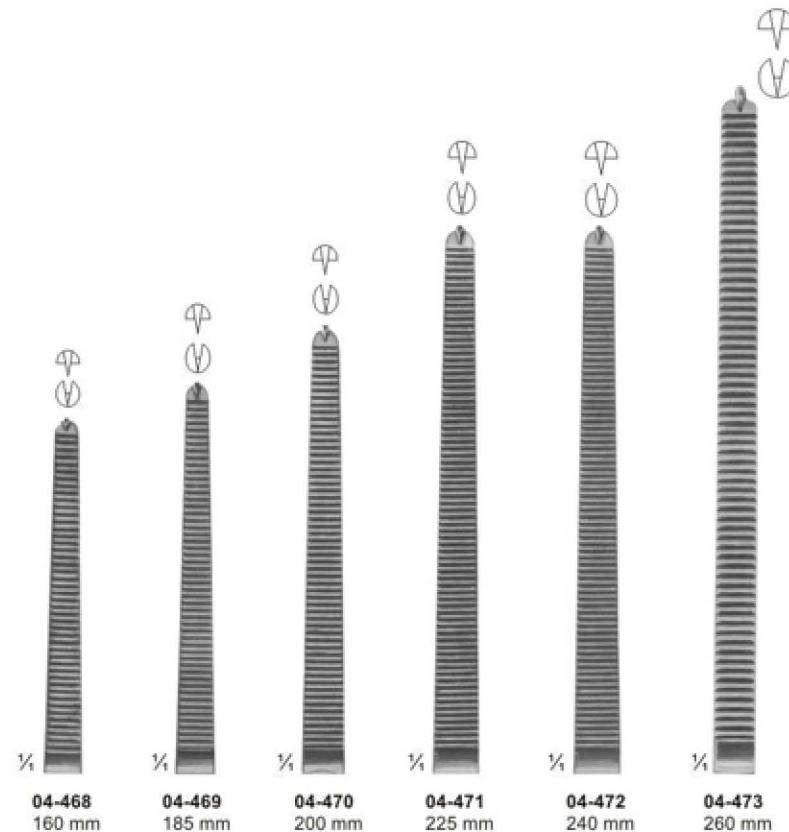
04-466 - 04-467  
ROCHESTER-OCHSNER  
140 mm



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## Haemostatic Forceps



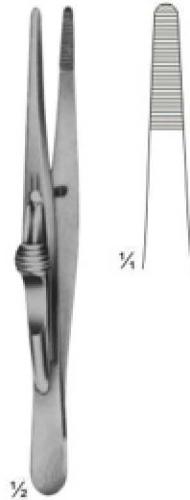
04-468 - 04-479  
KOCHE-OCHSNER



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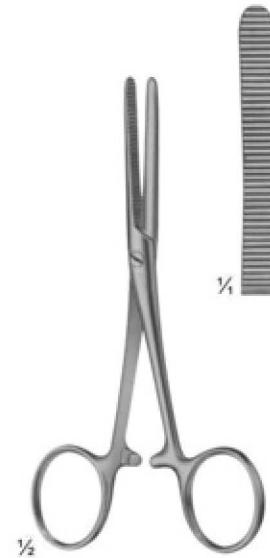
## Haemostatic Forceps



04-480  
FRICKE  
Artery forceps  
130 mm



04-481  
KRONLEIN  
130 mm



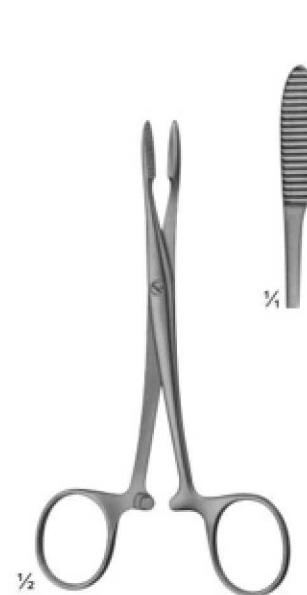
04-482  
PEAN  
125 mm



04-483  
125 mm



04-484  
140 mm



04-485  
PEAN  
125 mm



04-486  
165 mm

04-487  
185 mm

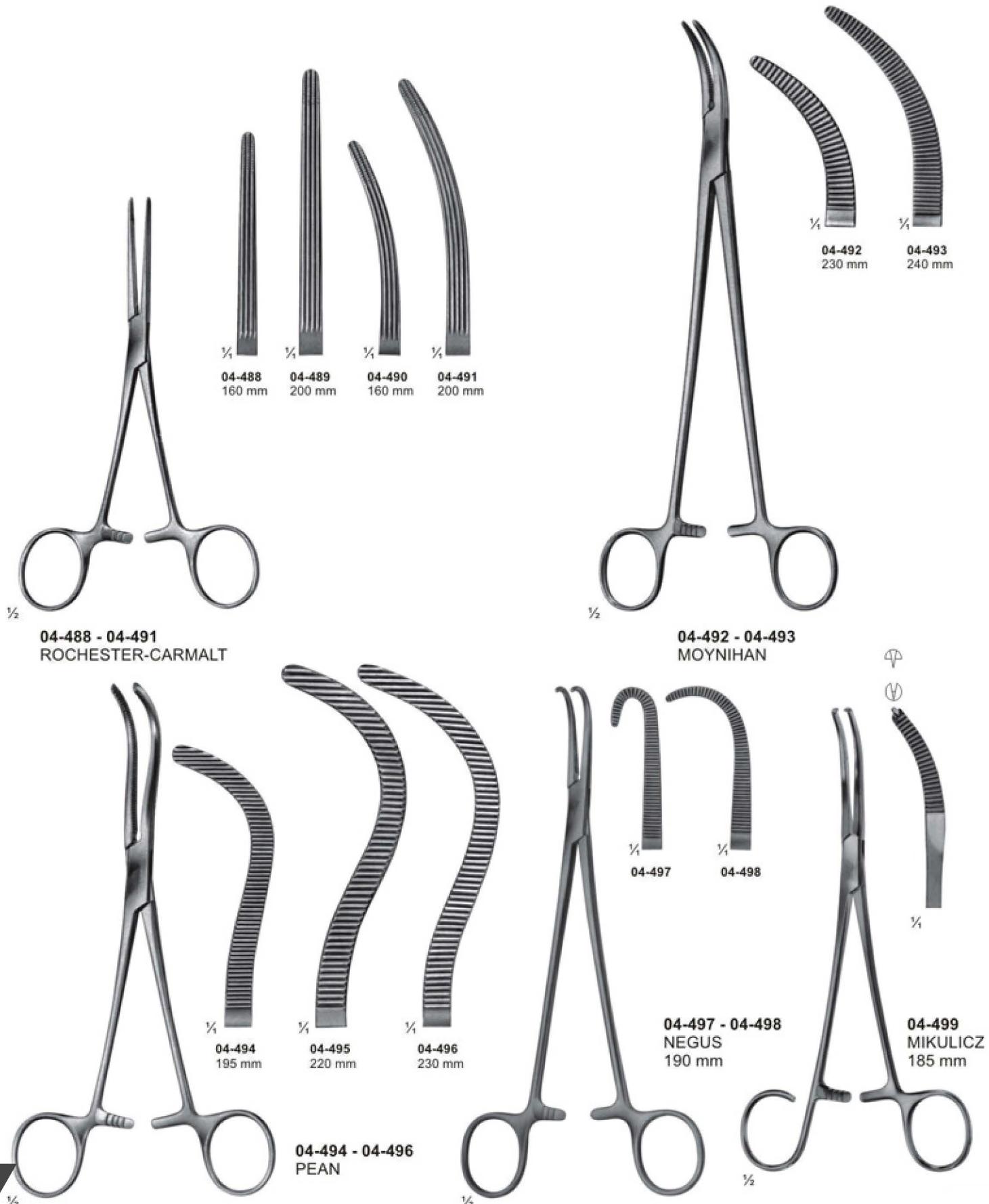
04-483 - 04-484  
PEAN

04-486 - 04-487  
PEAN

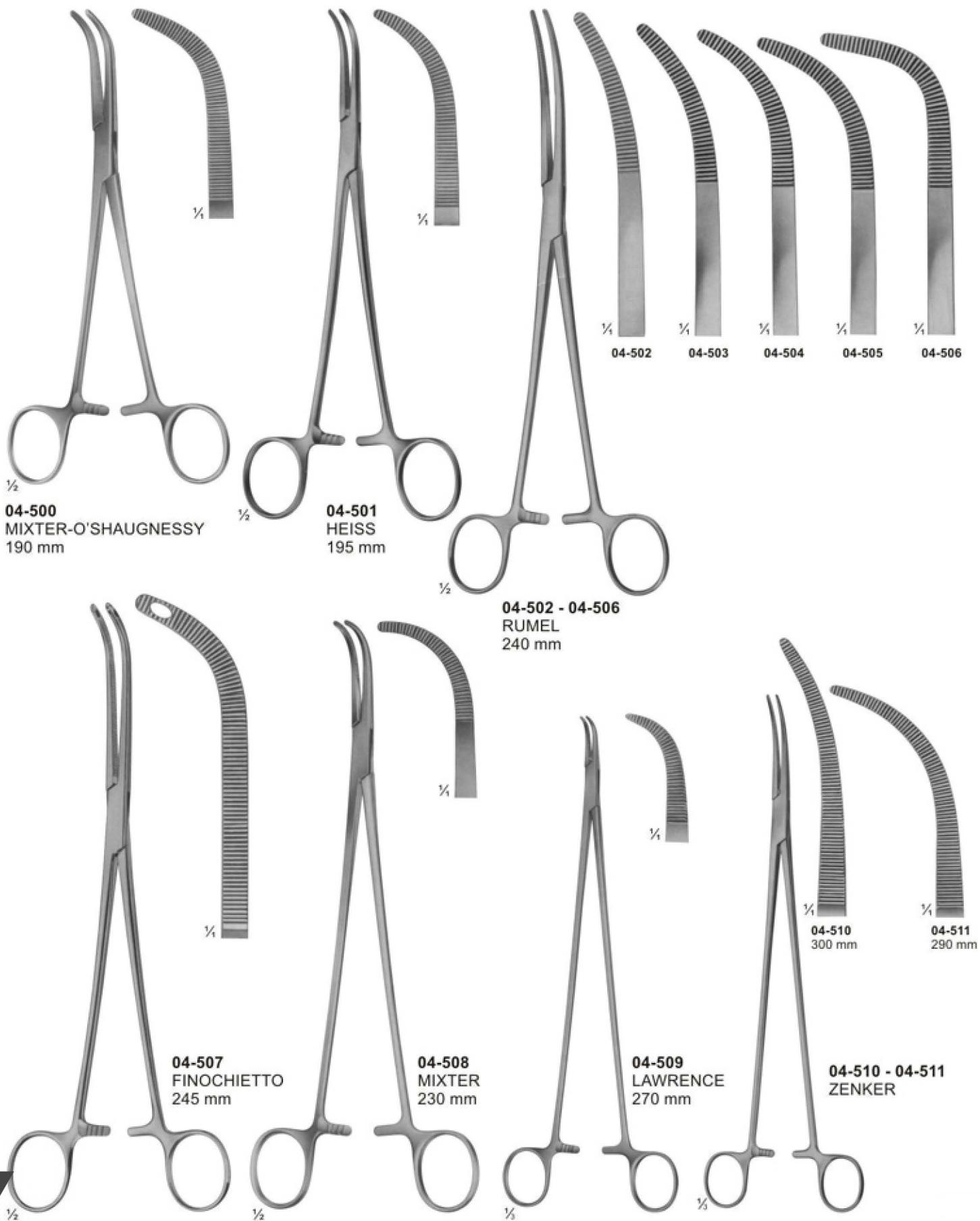


## Haemostatic Forceps, Special Pattern, Tonsil Forceps

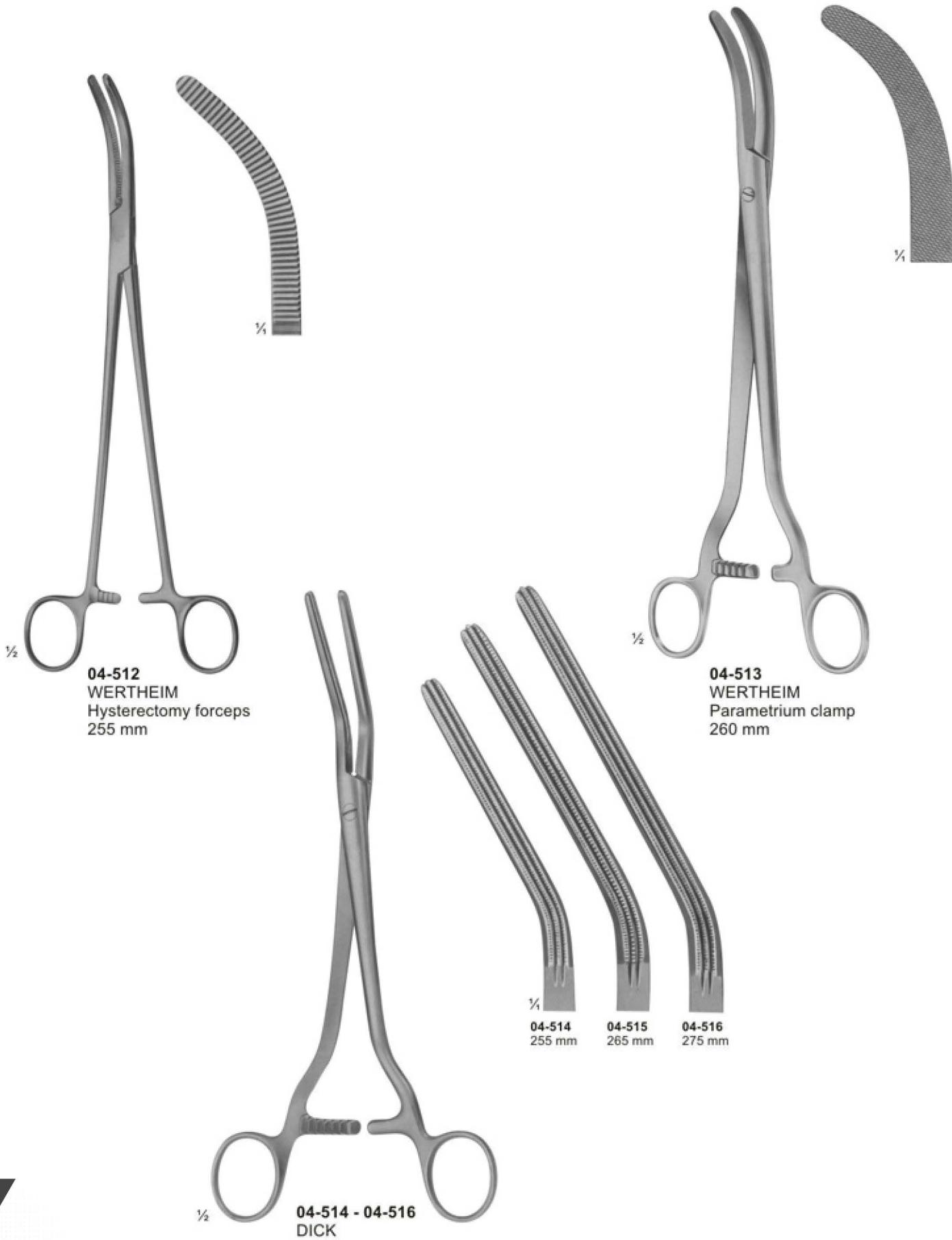
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## Dissecting- and Ligature Forceps



## Hysterectomy Forceps, Vaginal Clamps and Compression Forceps





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## Hysterectomy Forceps, Vaginal Clamps and Compression Forceps



04-517  
WERTHEIM  
250 mm

½

½



04-520  
80 mm

04-519  
60 mm

½

04-520  
80 mm

½

½

½



04-518  
WERTHEIM-CULLEN  
215 mm

½

04-519 - 04-520  
230 mm

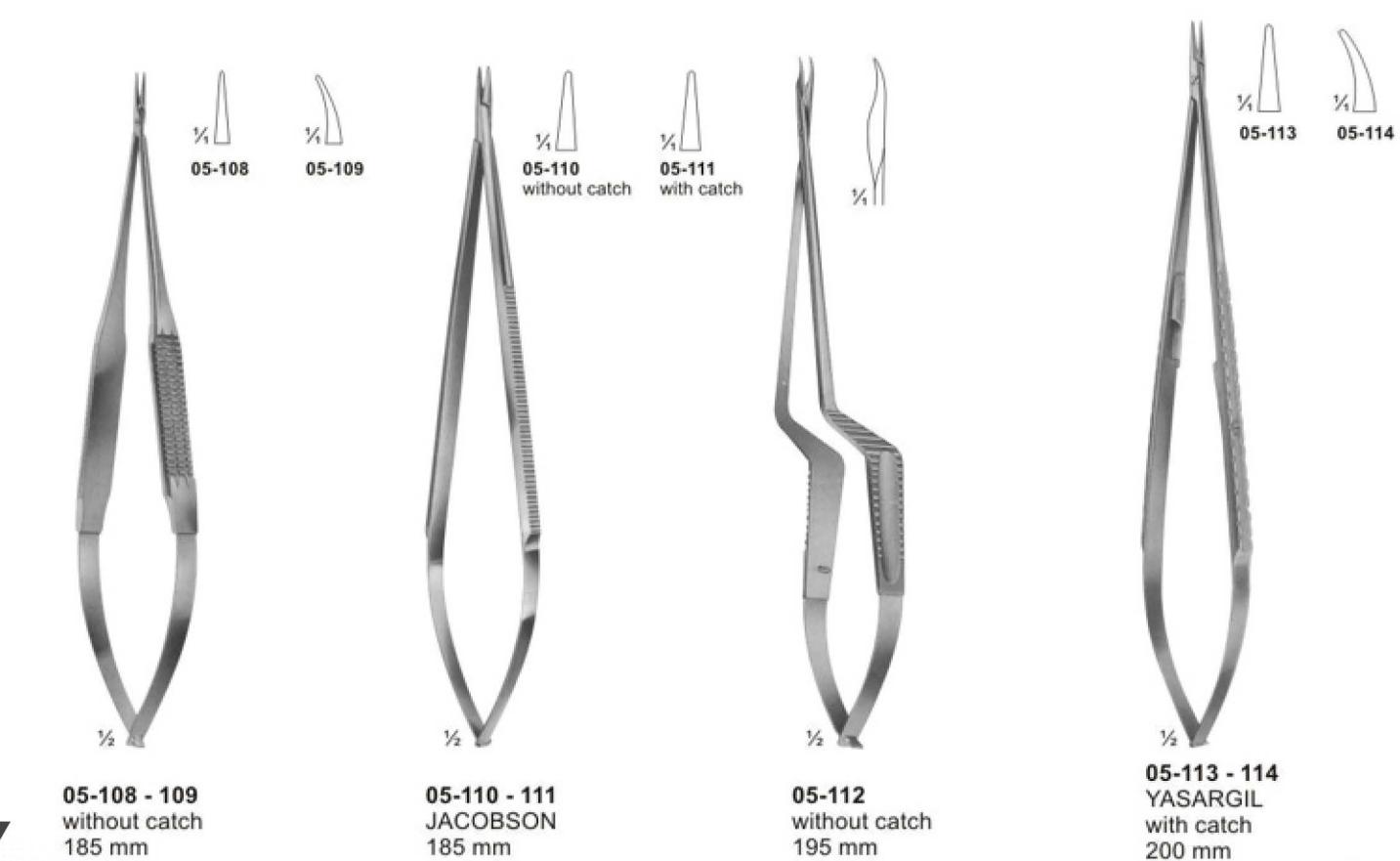
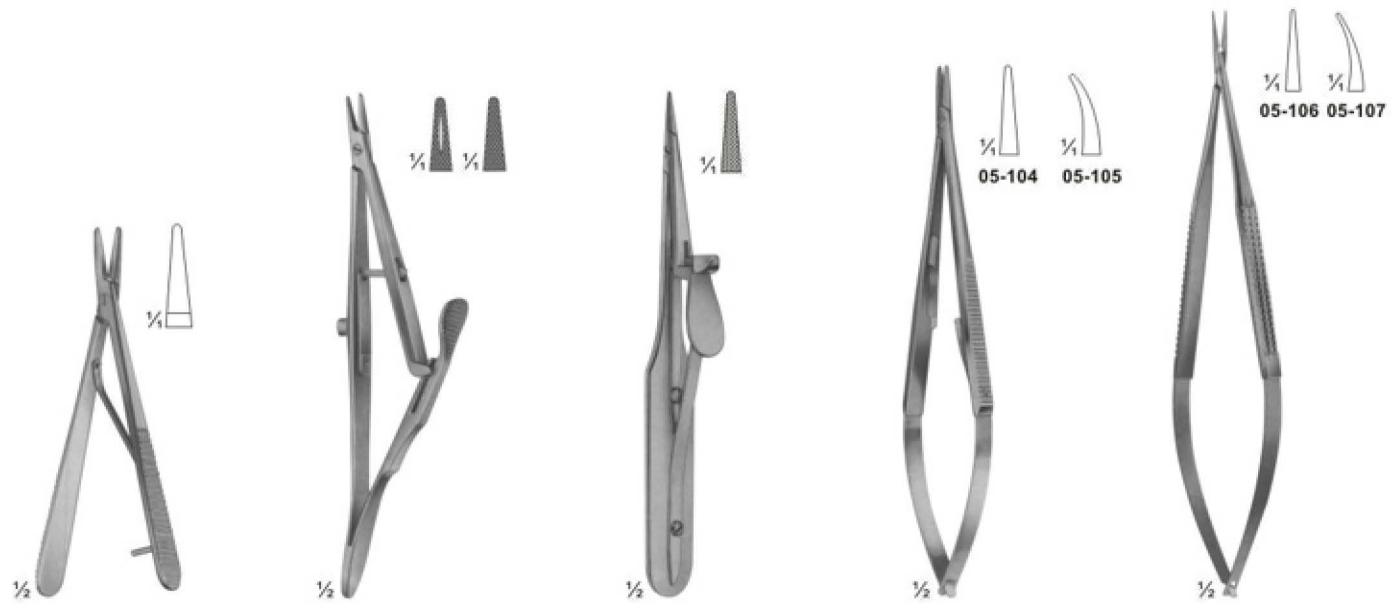
½

½



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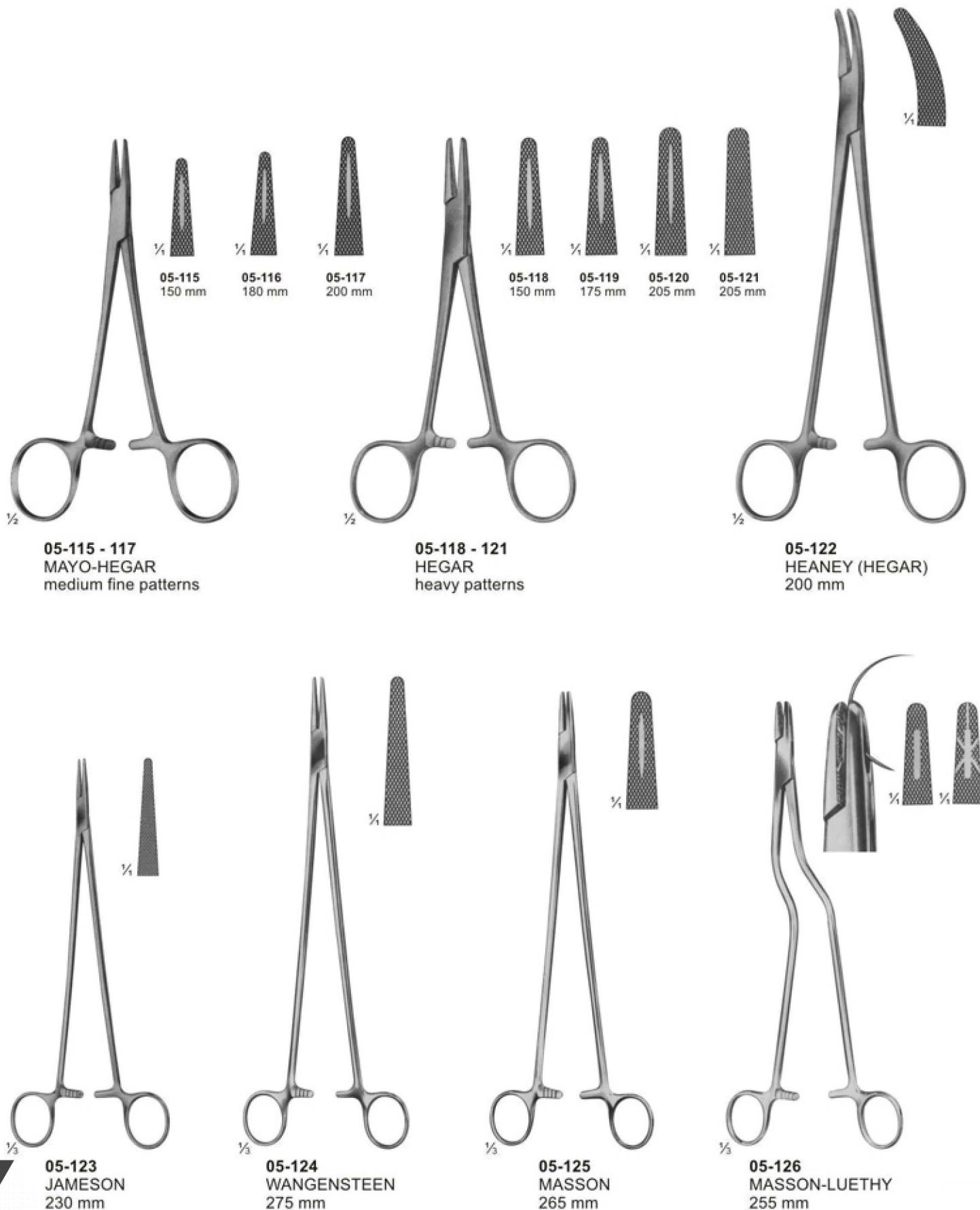
## Needle Holders for micro surgery





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## Needle Holders

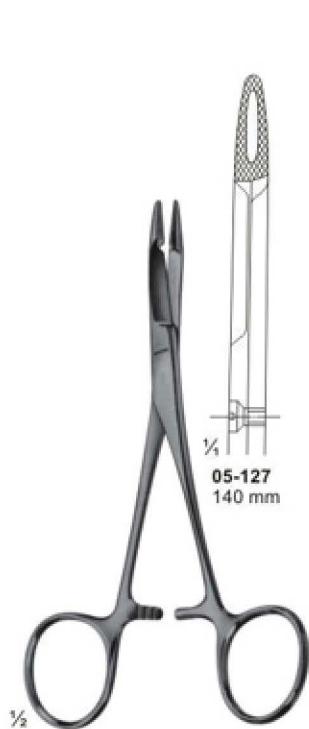




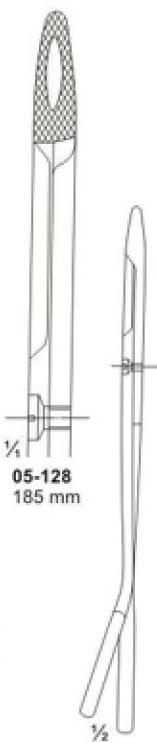
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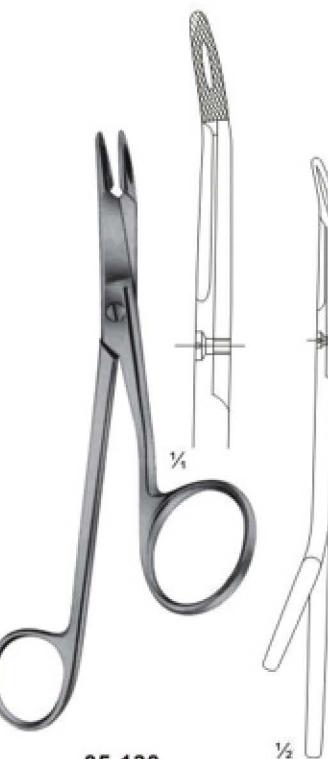
## Needle Holders



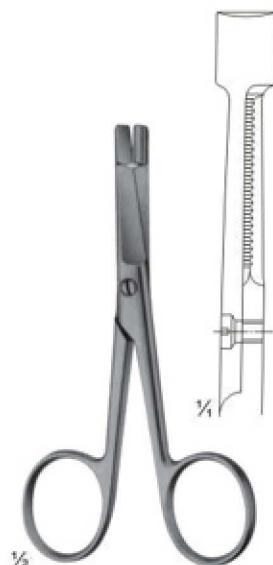
05-127 - 128  
HEGAR-OLSEN  
255 mm



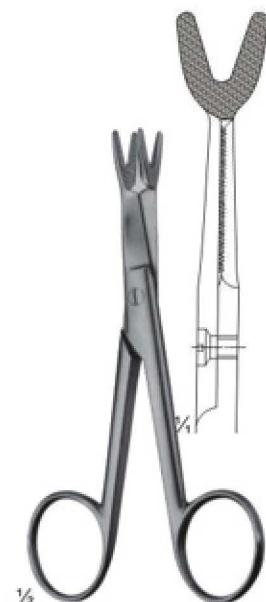
05-129  
GILLIES  
150 mm



05-130  
GILLIES  
160 mm



05-131  
EISELSBERG  
115 mm



05-132  
SCHOEMAKER-LOTH  
125 mm



05-133  
CRILE  
150 mm

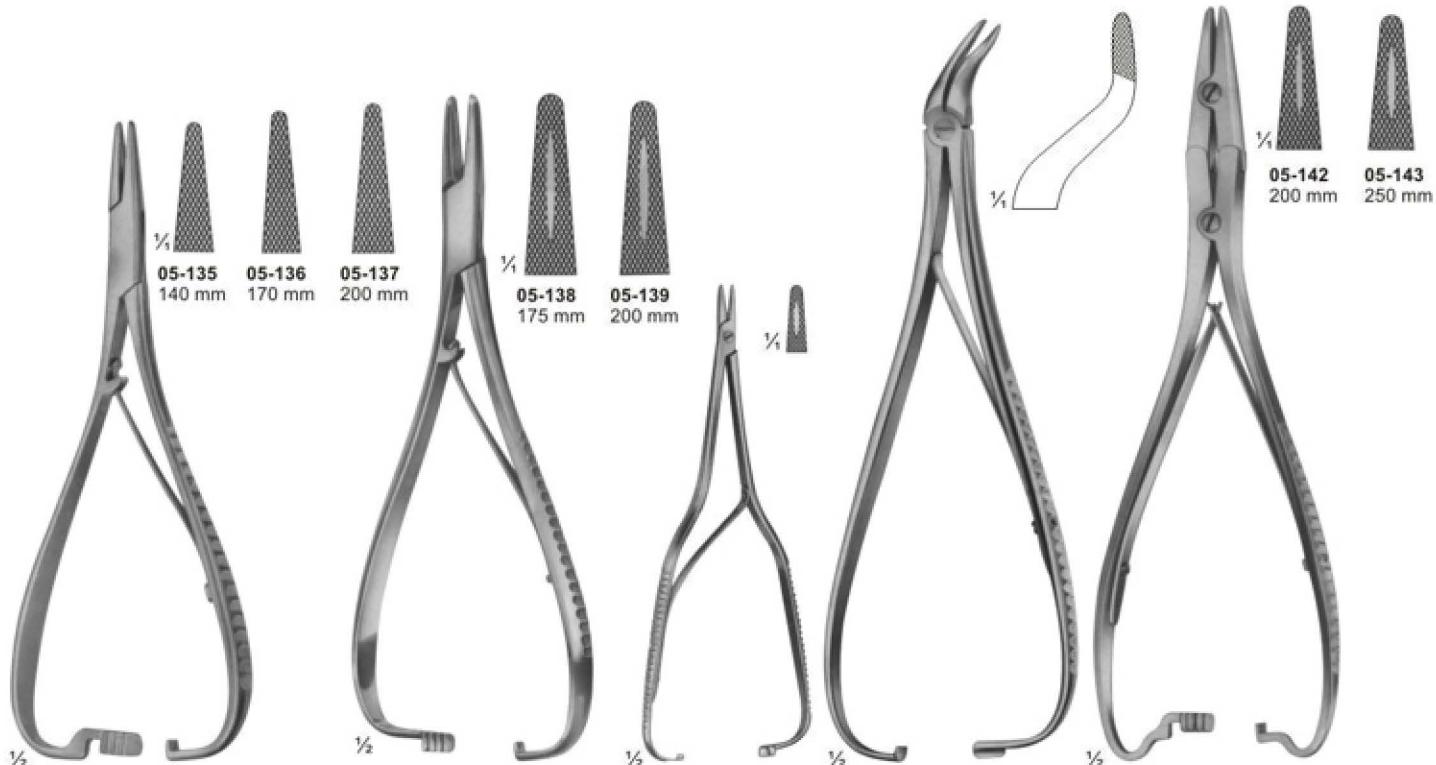
05-134  
TOENNIS  
Elastic pattern for dura-or  
intestinal suture. 180 mm



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## Needle Holders



05-135 - 05-137  
MATHIEU

05-138 - 05-139  
MATHIEU-STILLE  
Very heavy models

05-140  
BOYNTON  
125 mm

05-141  
EISELSBERG-MATHIEU  
For palate suture  
195 mm

05-142 - 05-143



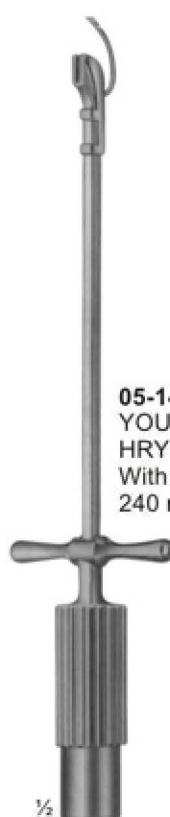
05-144



05-145



05-146



05-147  
YOUNG-  
HRYNTSCHAK  
With 1 needle  
240 mm

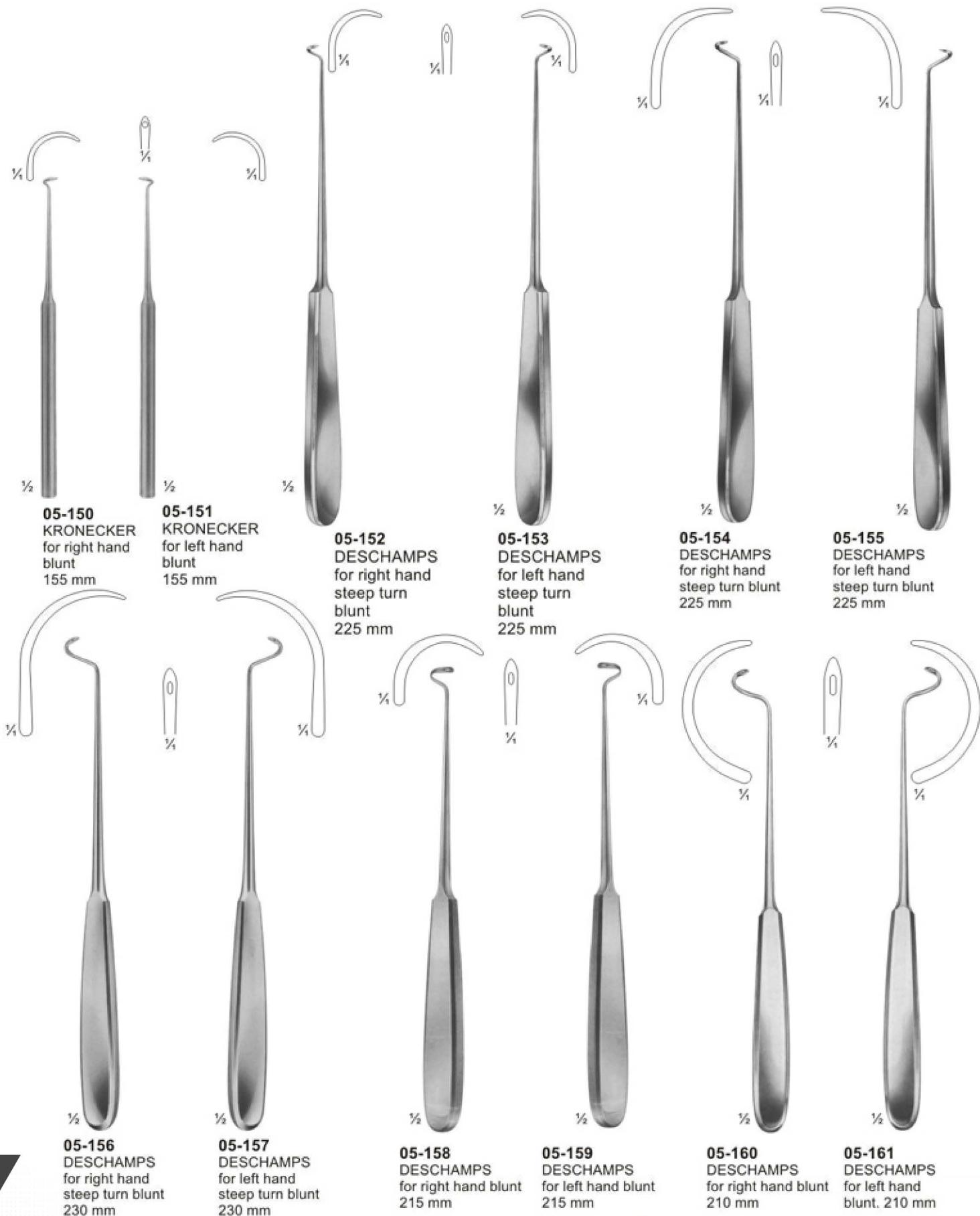


05-148  
YOUNG-MILLIN  
With 1 needle  
200 mm



05-149  
MILLIN  
Ligature holding  
forceps. 245 mm

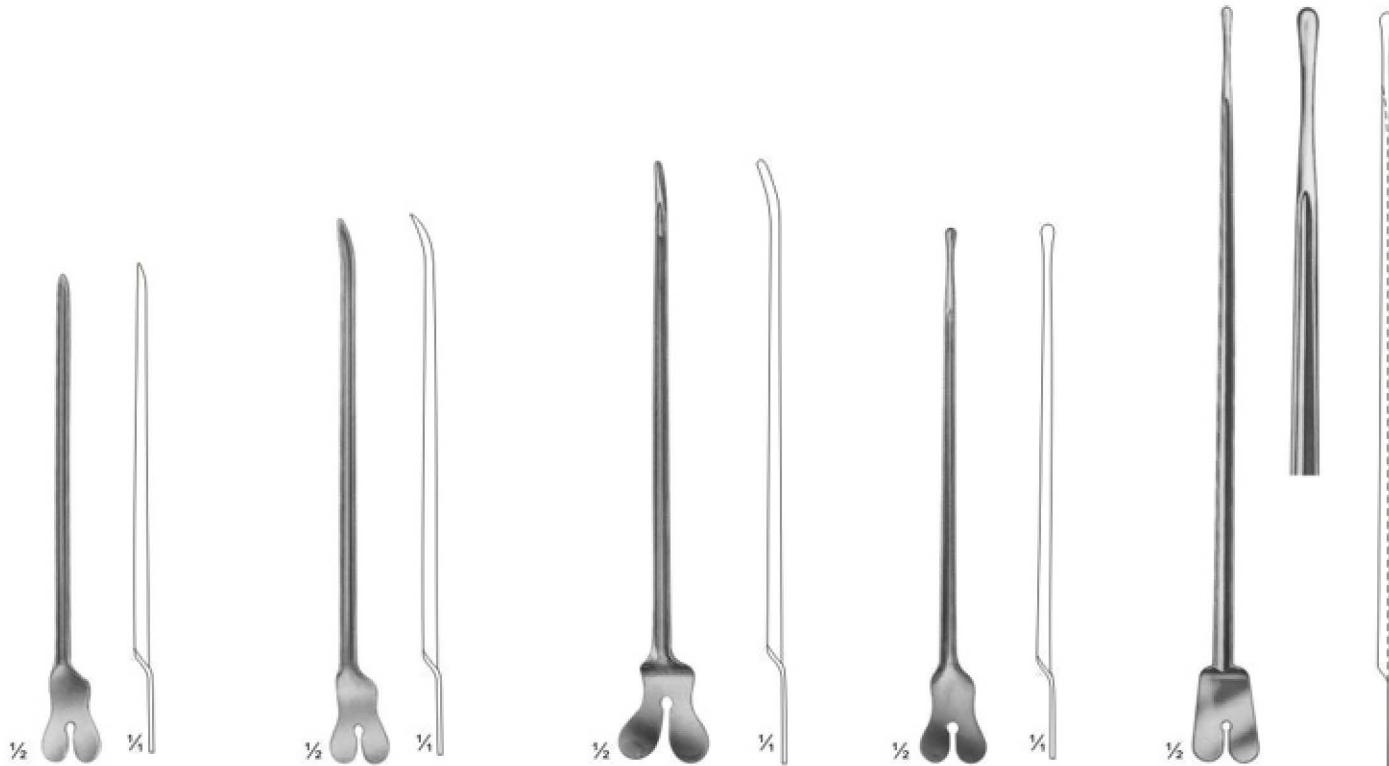
## Suture Instruments - Reverdin Needles





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## Probes



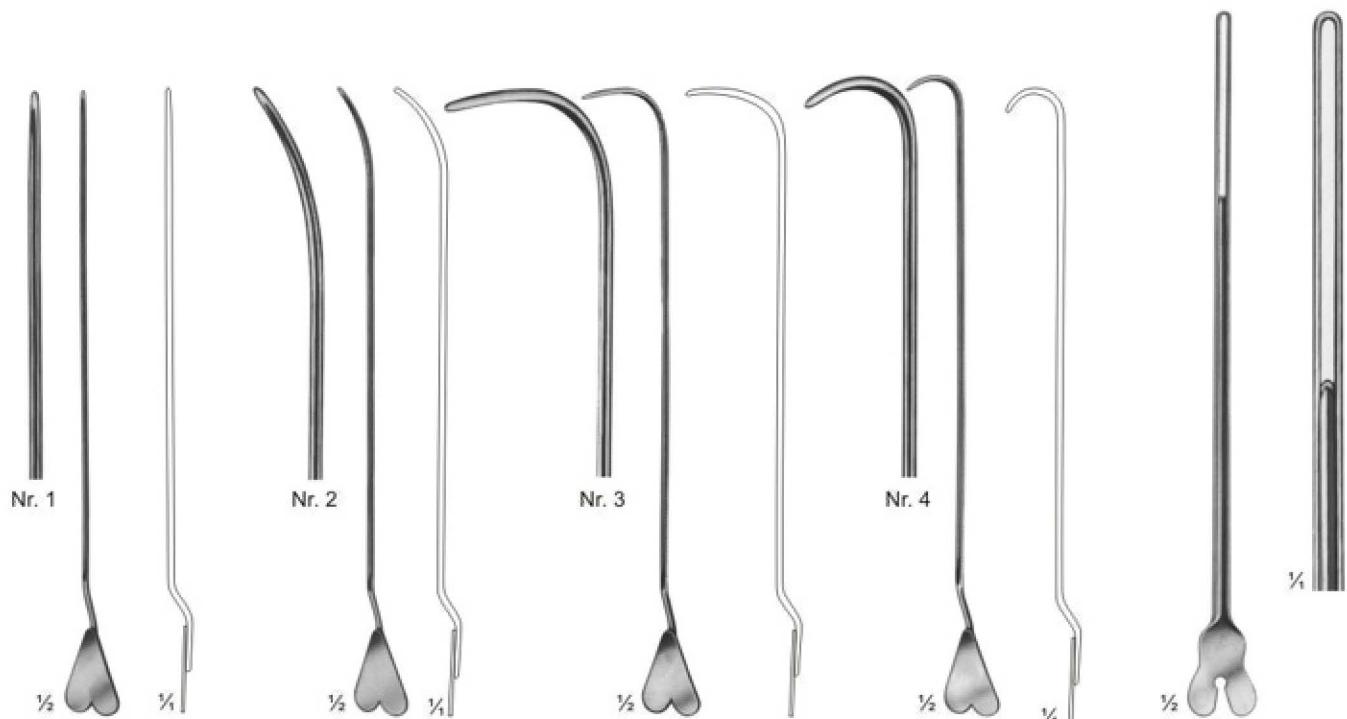
**05-162** 130 mm  
**05-163** 145 mm  
**05-164** 160 mm  
Directors

**05-165**  
DOYEN  
145 mm  
Directors

**05-166**  
NELATON  
160 mm  
Directors

**05-167**  
Director with tip  
Diam. Of tip 3,3 mm  
140 mm

**05-168**  
BRODIE  
Director with tip,  
Diam. Of tip 3,5 mm  
200 mm



**05-169**  
LOCKHART-MUMMERY  
165 mm

**05-170**  
LOCKHART-MUMMERY  
165 mm

**05-171**  
LOCKHART-MUMMERY  
165 mm

**05-172**  
LOCKHART-MUMMERY  
165 mm

**05-173**  
Director with wire  
loop, malleable  
190 mm

## Probes



**05-174**  
2,5 mm  
**05-175**  
2,5 mm  
**05-176**  
3,0 mm



1,5 mm



2,0 mm



**05-183**  
Probes

**05-174** 145 mm  
**05-175** 160 mm  
**05-176** 200 mm  
Probes with eye

**05-177**  
Myrtle leaf probe  
145 mm

**05-178** 130 mm  
**05-179** 145 mm  
**05-180** 160 mm  
**05-181** 180 mm  
**05-182** 200 mm



**05-184**  $\frac{1}{2}$   
Double ended probe,  
malleable, diam. of tips  
3 mm with hole  
190 mm



**05-185**  
Double ended probes,  
tin, malleable,  
diam. of tips  
3,5 mm with hole  
250 mm, 300 mm



**05-186**  $\frac{1}{4}$   
Double ended probes,  
tin, malleable,  
diam. of tips 4 mm  
400 mm



$\frac{1}{4}$   $\emptyset$  tip  
**05-187** 1,5 mm  
**05-188** 2,0 mm  
**05-189** 2,5 mm  
300 mm

## Suturing Instrument Set, Pocket Instrument Set



**05-190**

Suturing instruments set, in metal case  
consisting of: Scissors, curved, sharp/sharp, 115mm  
25 MICHEL clip, 16 x 3mm  
1 Delicate tissue forceps, 130mm  
1 Scalpel, bellied  
1 MATHIEU needle holder, 140mm  
1 Perforated metal case, stainless  
containing:  
1 Suture needle  
1 item 1 item



**05-191**

Pocket instrument set, in metal case  
consisting of:  
**Bottom tray**  
1 MATHIEU needle holder, 140mm  
1 MICHEL clip forceps, combined  
1 Myrtle leaf probe, 130mm  
1 Sharp double curette  
1 Skin hook  
1 Detachable scalpel handle, no.4  
1 Perforated metal case, containing  
6 Scalpel blades  
1 Perforated metal case,  
stainless, containing  
1 Suture needle  
1 item  
1 item



**05-192**

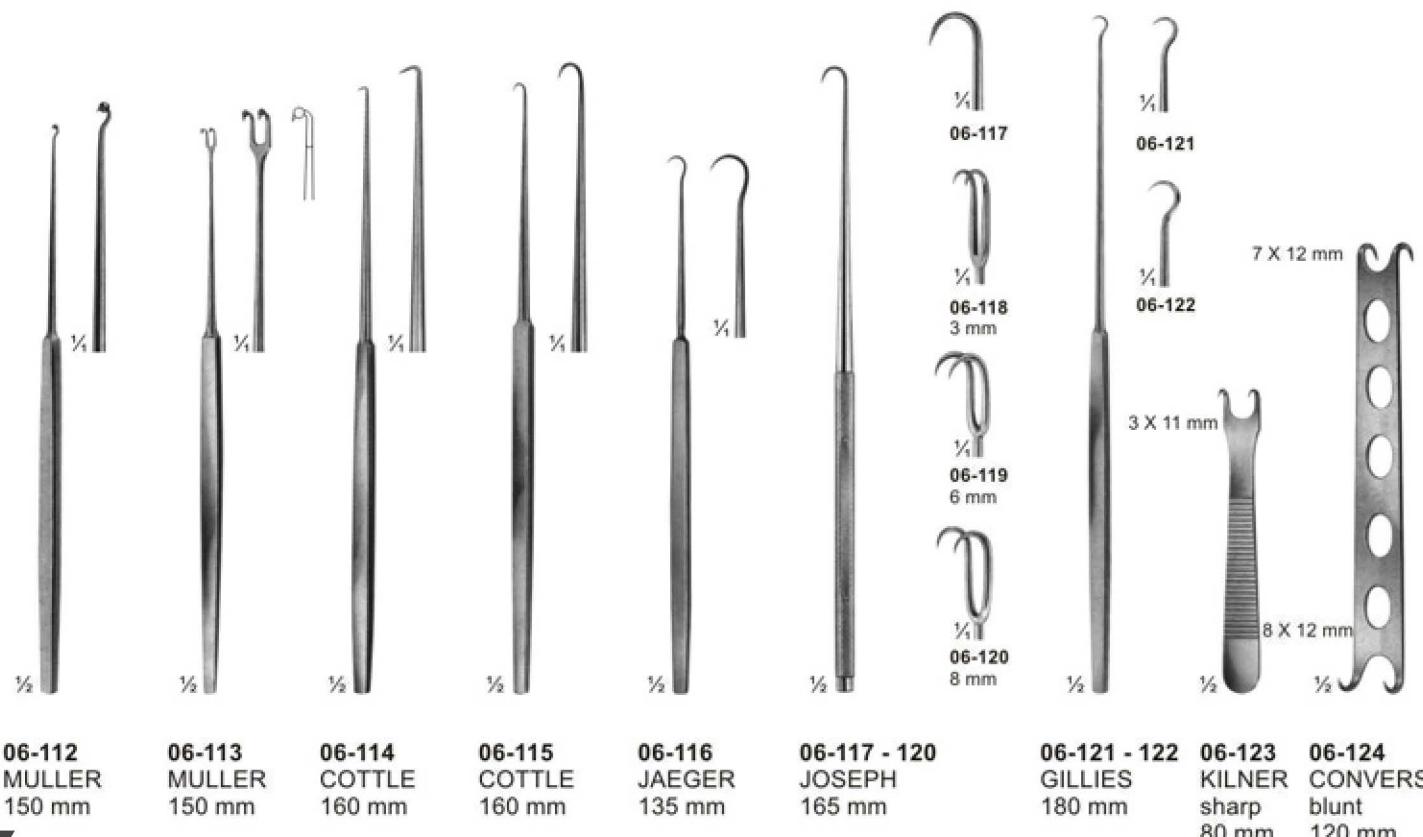
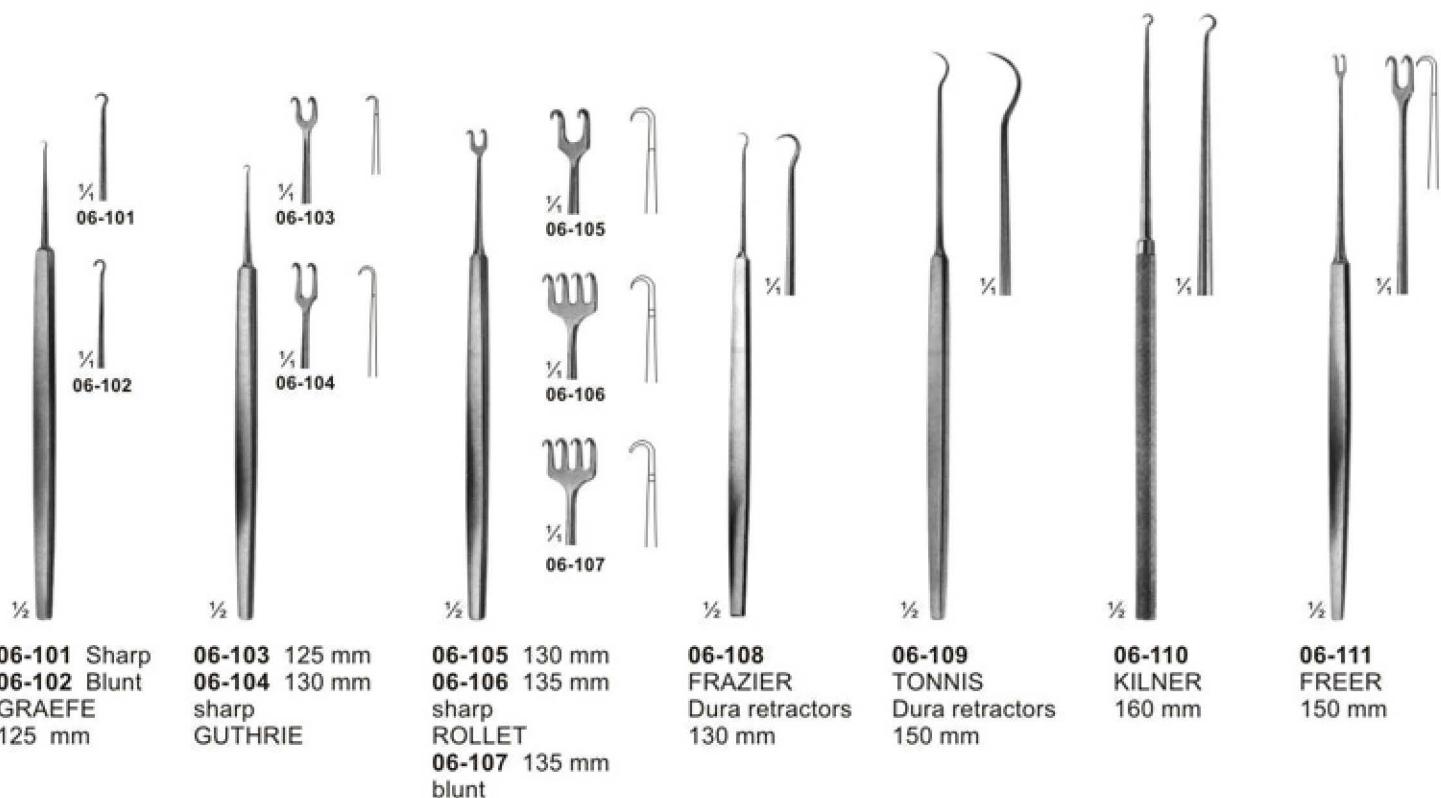
Pocket instrument set, in metal case  
consisting of:  
**Bottom tray**  
1 MAYO-HEGER needle holder, 150mm  
1 MICHEL clip forceps, combined  
1 Myrtle leaf probe, 130mm  
1 Sharp double curette  
1 Skin hook  
1 Detachable scalpel handle, no. 4  
1 Perforated metal case, consisting  
6 Scalpel blades  
1 Perforated metal case, stainless, consisting:  
1 Suture needle  
1 item, & 1 item

**Top tray**

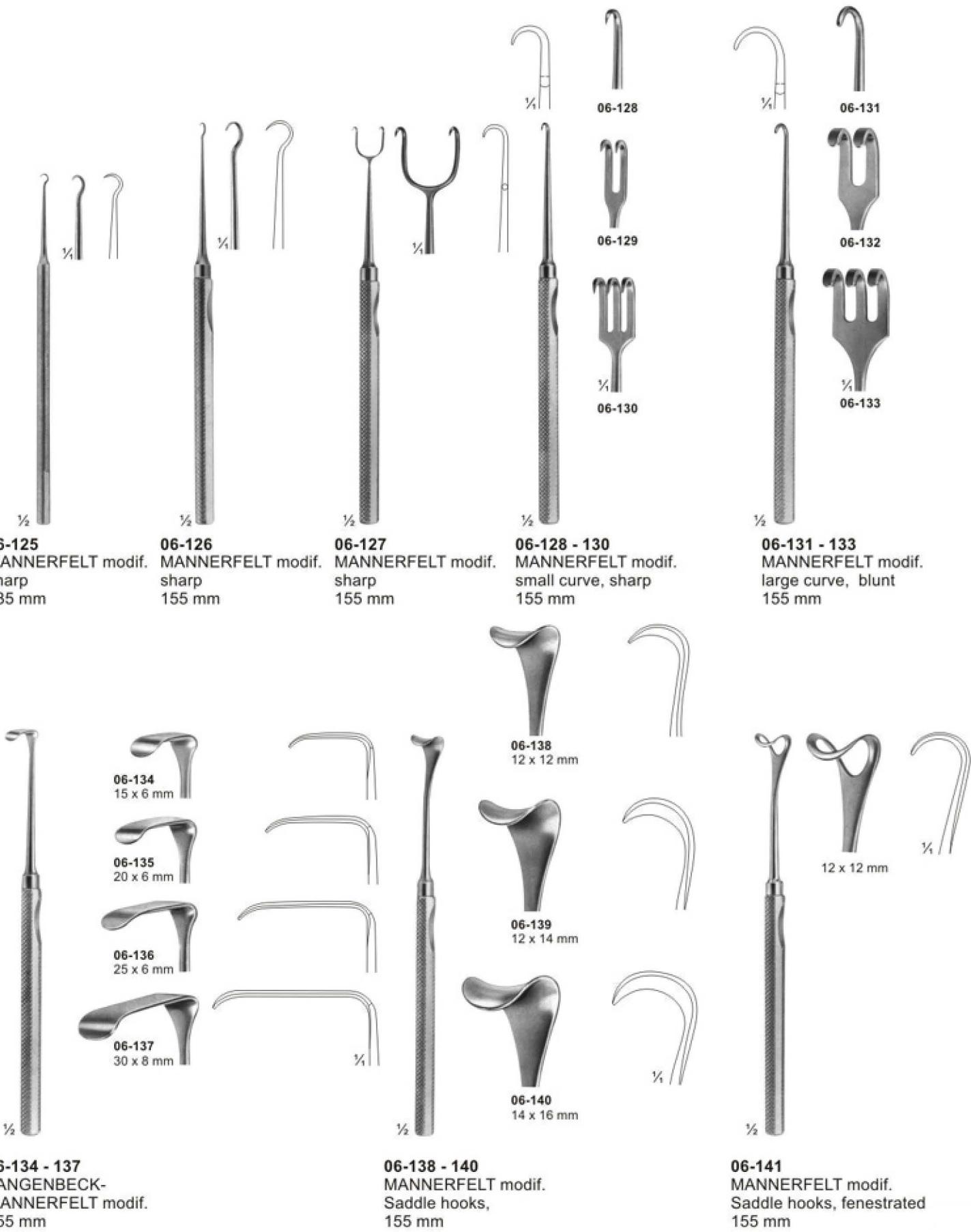
1 Tissue forceps, 130mm  
1 CRILE haemostatic forceps, 140mm  
1 Straight surgical scissors, 130mm  
1 Dissecting forceps, 130mm  
1 FEILCHENFELD splinter forceps, 115mm  
25 MICHEL clip, 16 x 3mm  
1 Flacon of suture silk, sterile in alcohol

## Fine Wound Retractors (Dura- and Skin Retractors)

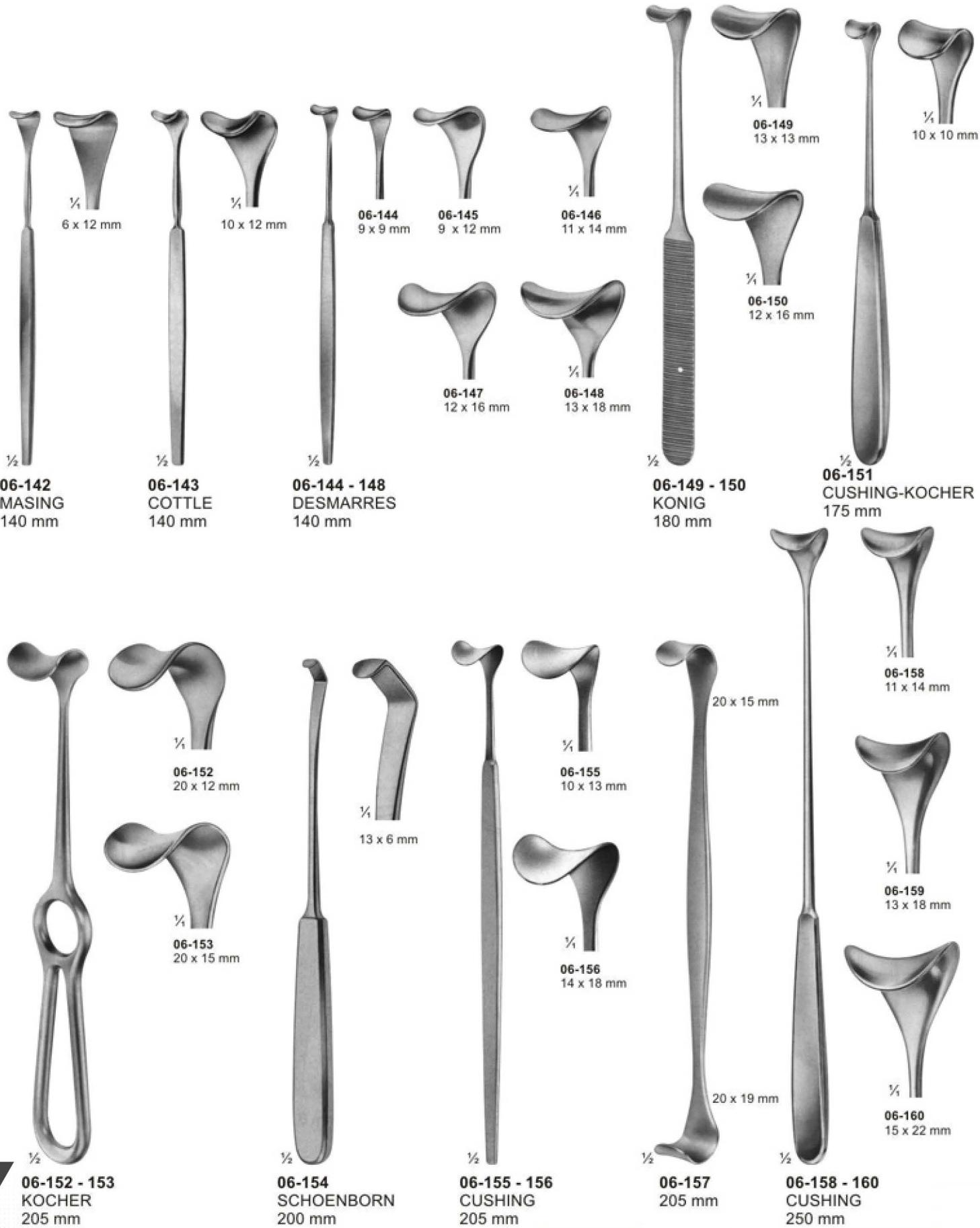
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## Retractors With triangle handle



## Retractors





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## Retractors





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## Retractors

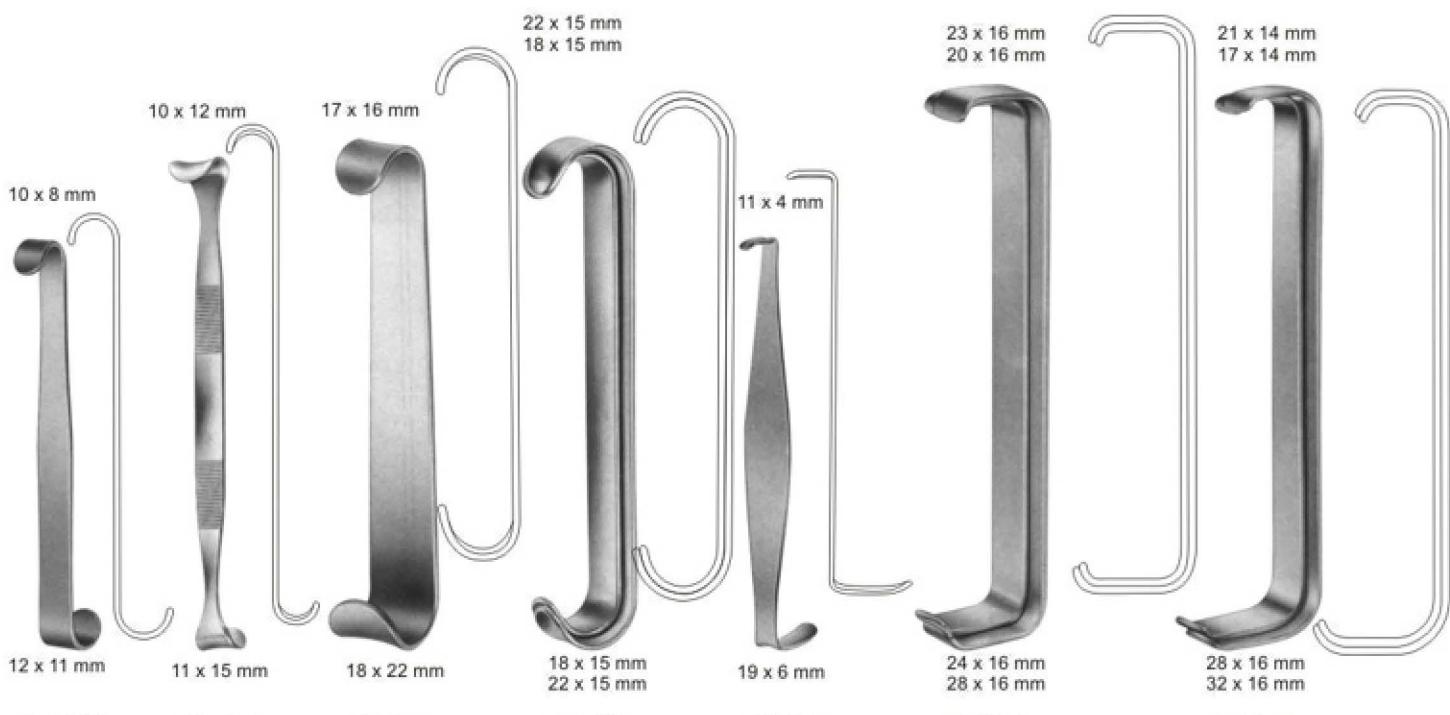


**06-169 - 06-170**  
BABY-SENN-MILLER  
155 mm

**06-171**  
SENN-MILLER  
165 mm

**06-172**  
COLLIN-HARTMANN  
150 mm

**STERBERG**  
06-173 120 mm  
06-174 130 mm  
06-175 135 mm  
06-176 140 mm



**06-177**  
LUER  
110 mm

**06-178**  
ROSE  
130 mm

**06-179**  
BABY-ROUX  
135 mm

**06-180**  
PARKER  
135 mm

**06-181**  
CRILE  
110 mm

**06-182**  
FARABEUF  
150 mm

**06-183**  
COLLIN  
150 mm



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## Bone Retractors and Retractors



06-184  
KOCHE  
sharp  
205 mm



06-185  
KOCHE  
sharp  
220 mm



06-186  
KOCHE  
sharp  
220 mm



06-187  
VOLKMANN  
blunt  
220 mm



06-188  
VOLKMANN  
sharp  
220 mm

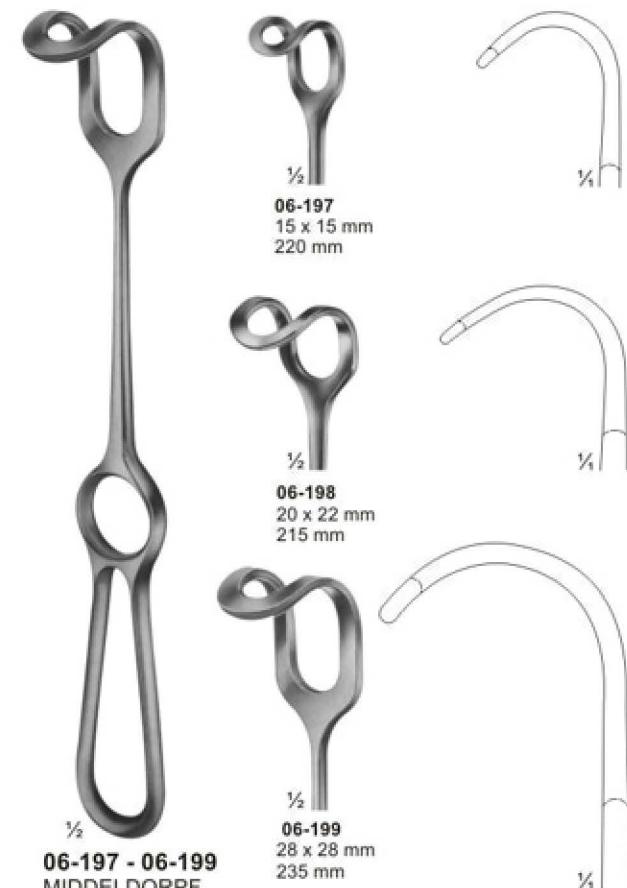


06-189 - 06-196  
VOLKMANN  
225 mm

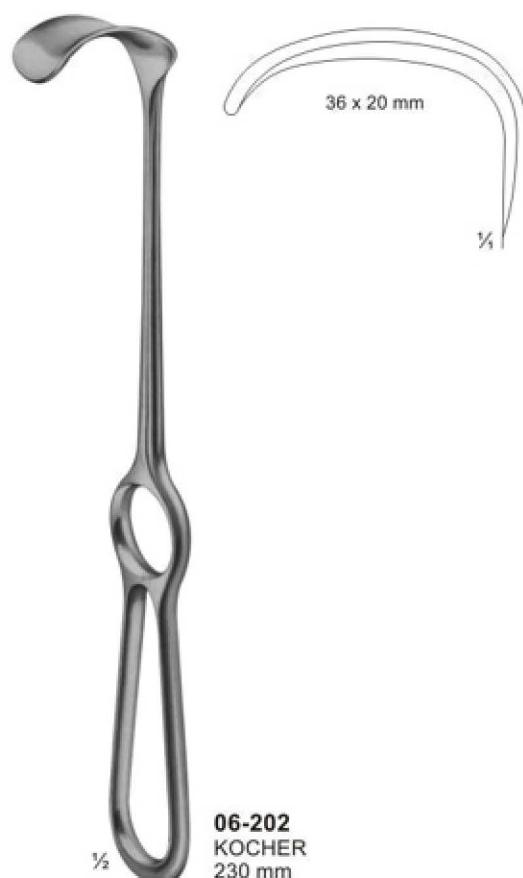


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## Retractors



06-201  
CASPAR  
210 mm



06-202  
KOCHER  
230 mm



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## Retractors, Vario Retractor System

06-203 80 x 20 mm



06-203- 06-209

BRUNNER

275 mm

06-203 80 x 20

06-204 100 x 25

06-205 120 x 25

06-206 130 x 30

06-207 140 x 30

06-208 160 x 30

06-209 180 x 30



Handle arrangement verifiable



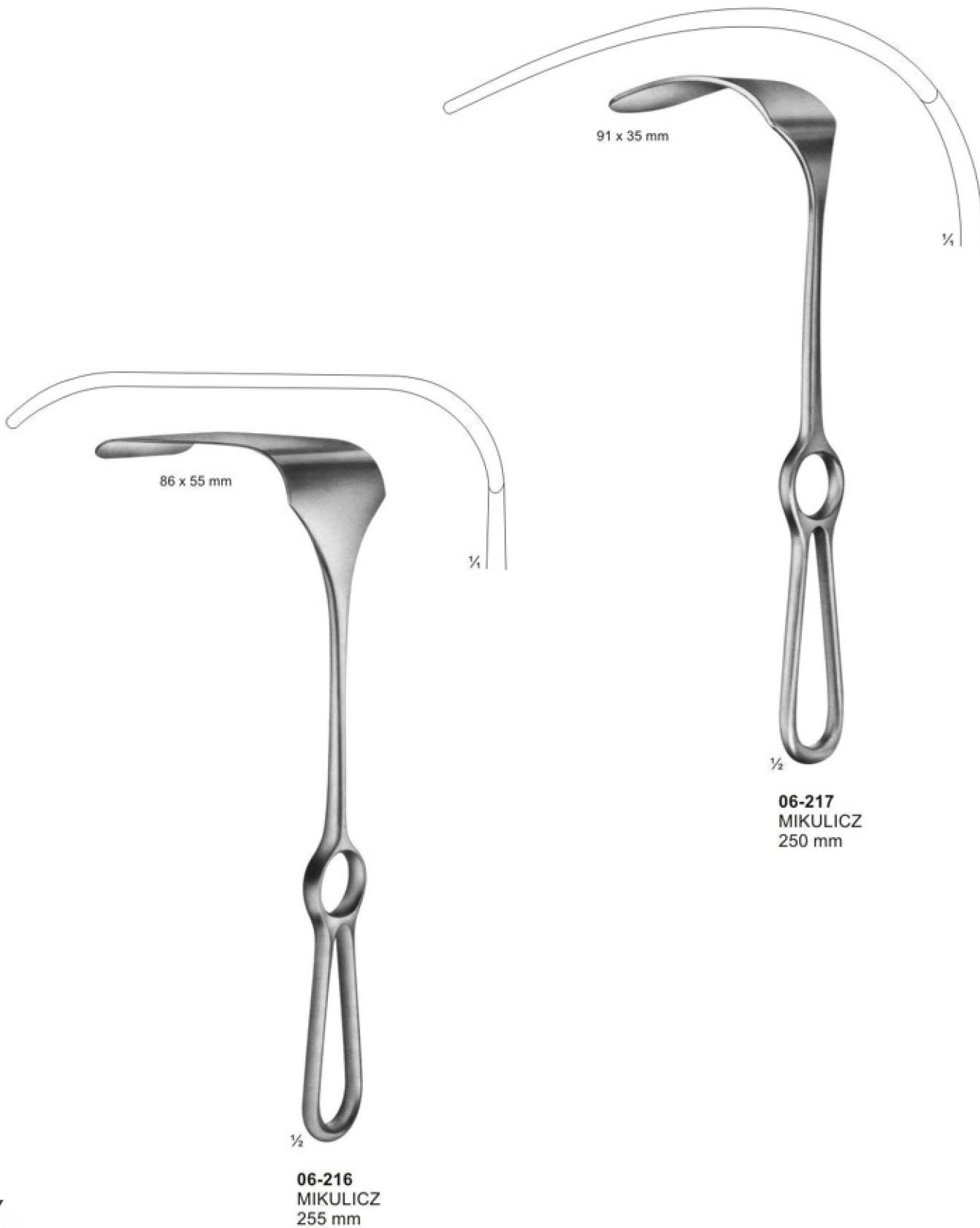
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## Retractors, Lung Spatulas



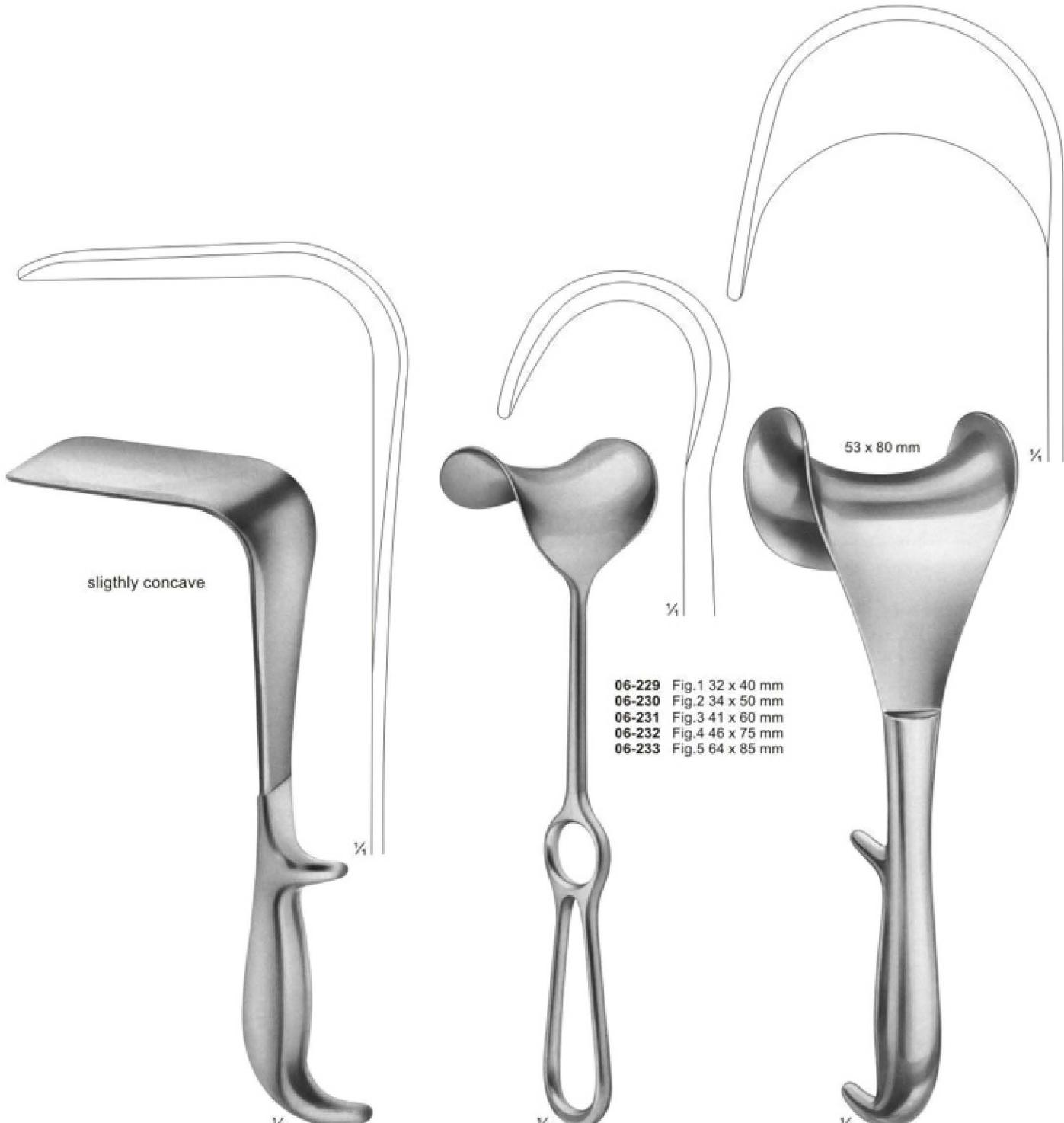
## Retractors for deep surgery (Abdominal Retractors)





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## Retractors, Abdominal Retractors



slightly concave

½

06-229 Fig.1 32 x 40 mm  
06-230 Fig.2 34 x 50 mm  
06-231 Fig.3 41 x 60 mm  
06-232 Fig.4 46 x 75 mm  
06-233 Fig.5 64 x 85 mm

½

53 x 80 mm

½

06-218 - 06-228  
DOYEN  
240 mm

06-229 - 06-233  
FRITSCH  
240 mm

06-234  
DOYEN  
250 mm

width of blades  
35 mm, 45 mm, 60 mm

length of blades

62 mm

06-218 , 06-222 , 06-226

92 mm

06-219 , 06-223 , 06-227

122 mm

06-220 , 06-224 , 06-228

160 mm

06-221 , 06-225

## Abdominal- and Intestinal Spatulas Bauch- und Darmspatel



**06-235**  
LERICHE  
255 mm

**06-236**  
KUMMEL  
Mealleable  
285 mm

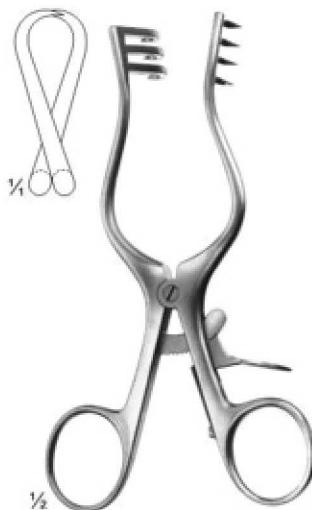
**06-237**  
MIKULICZ  
29 mm  
250 mm

**06-238 - 06-239**  
KADER  
**06-238** 30 mm  
**06-239** 40 mm  
270 mm

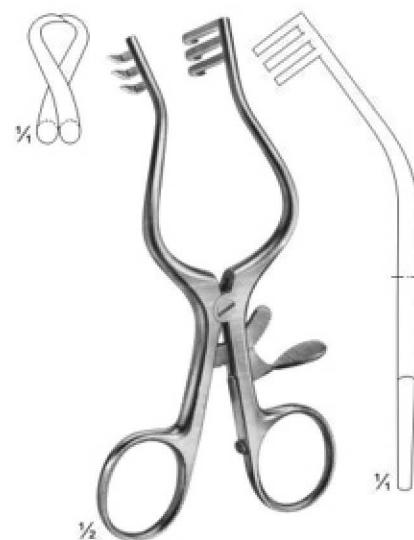


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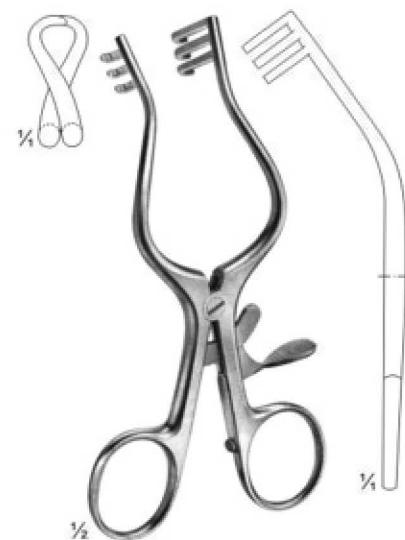
## Self-Retaining Retractors



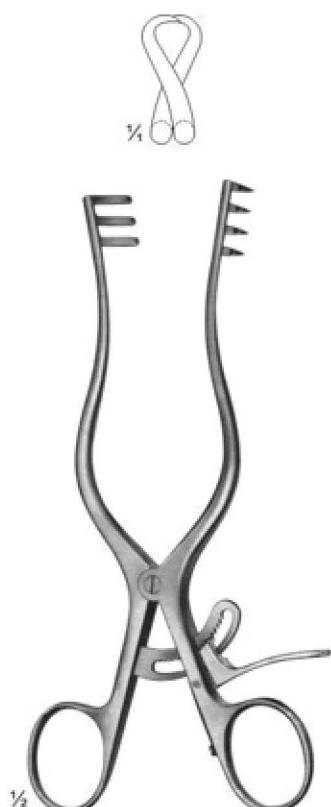
06-240  
WEITLANER  
sharp  
130 mm



06-241  
WULLSTEIN  
sharp  
130 mm



06-242  
WULLSTEIN  
blunt  
130 mm



06-243  
WEITLANER  
sharp  
165 mm



06-244  
PLESTER  
blunt  
110 mm

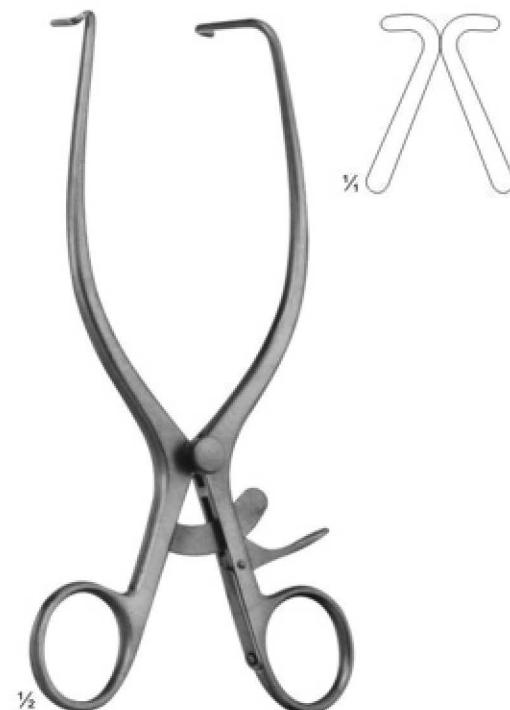


06-245  
PERKINS  
130 mm

## Special Retractors



**06-246**  
JOLL ( FRIEDMAN )  
Thyroid- and vaginal retractor  
155 mm



**06-247**  
JACKSON BURROWS  
Retractor, blunt  
185 mm



**06-248**  
GELPI  
Vaginal retractor  
135 mm



**06-249**  
GELPI  
Skin- and vaginal retractor  
175 mm



**06-250**  
DE BAKEY  
Femur retractor  
145 mm



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## Lamina Spreaders



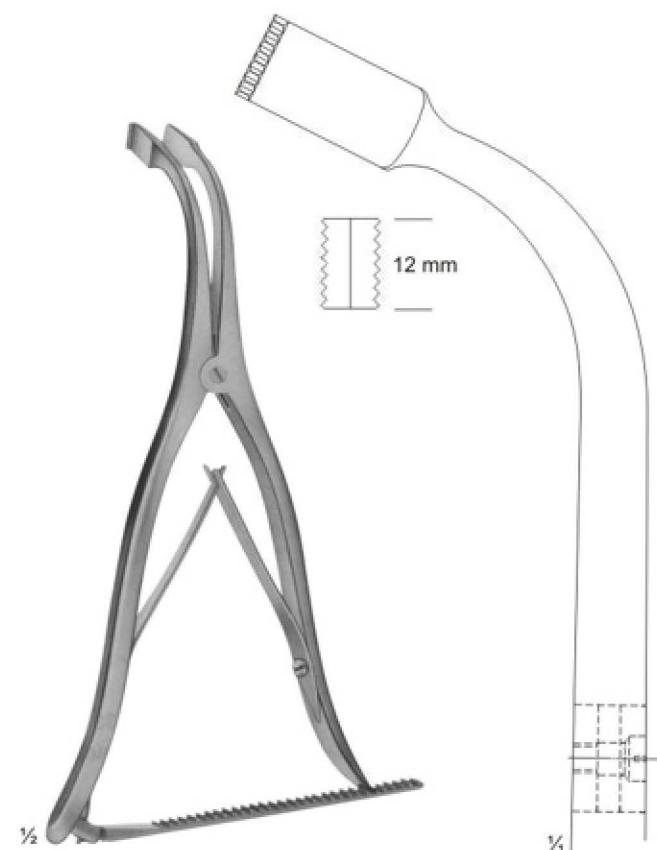
06-251  
CLOWARD  
155 mm



06-252  
CLOWARD  
135 mm



06-253  
INGE  
170 mm



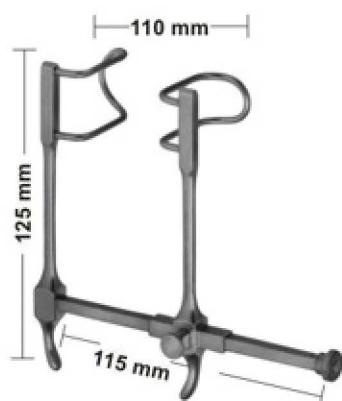
06-254  
INGE  
275 mm



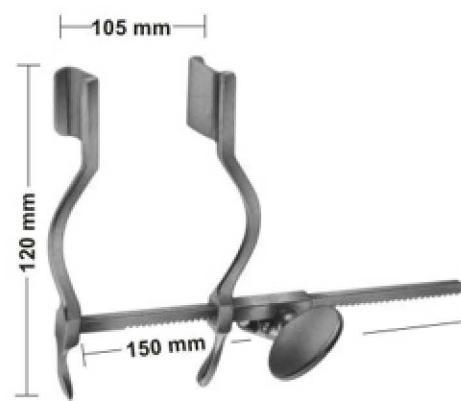
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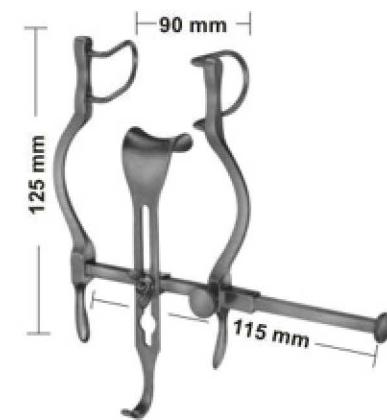
## Abdominal Retractors



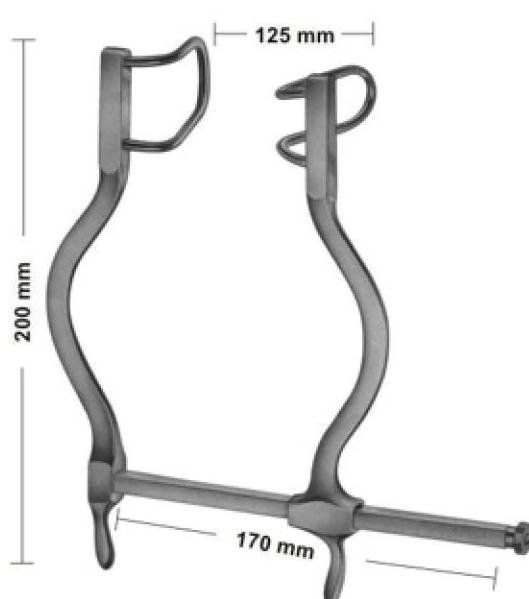
06-255  
GOSSET  
Blades:38 mm deep



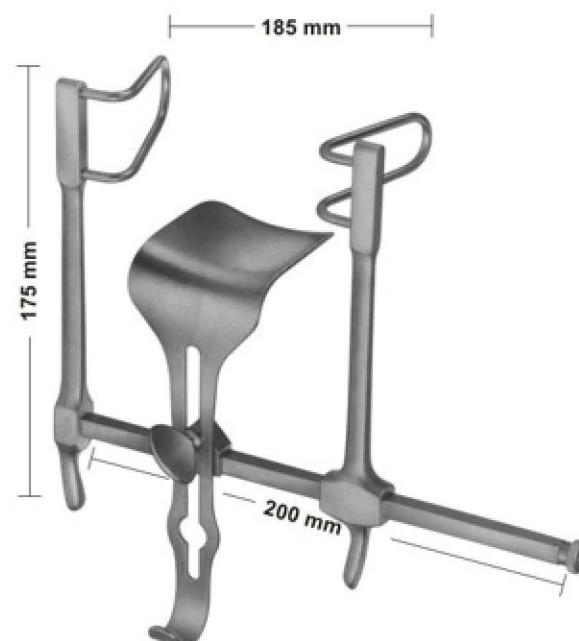
06-256  
HERTZLER  
Blades 20 X 25 mm



06-257  
BALFOUR-BABY  
Lateral blades 27 mm deep  
Center blade 21x24 mm

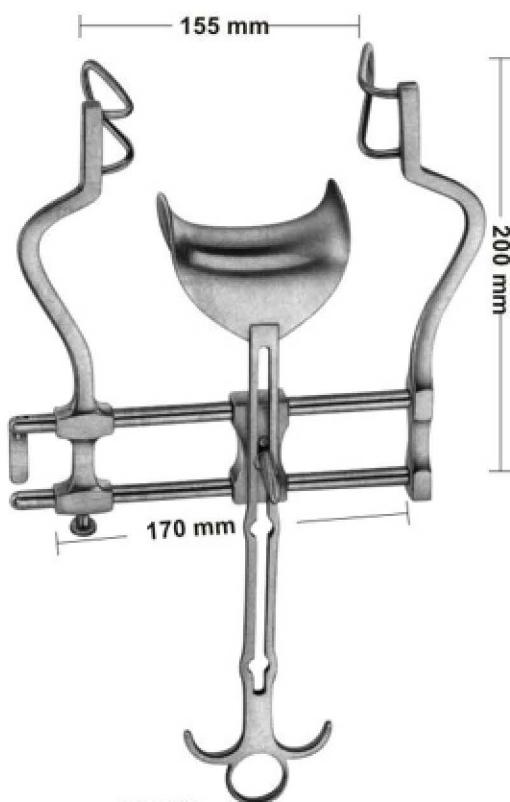


06-258  
GOSSET  
Blades:55mm deep

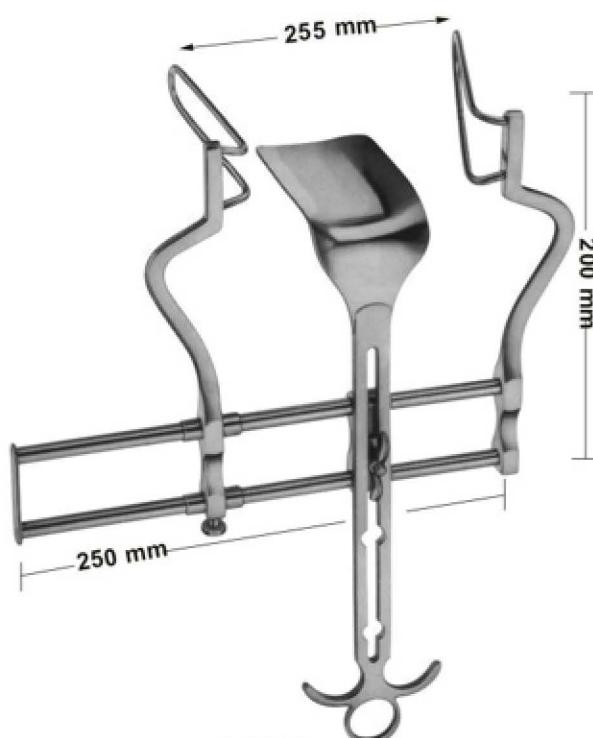


06-259  
GOSSET  
Lateral blades 58 mm deep  
Center blade 59 x 57 mm

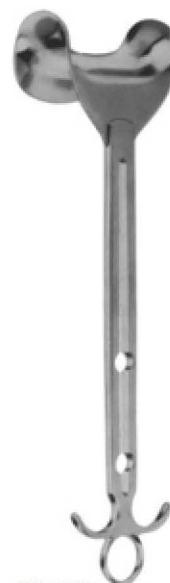
## Abdominal Retractors



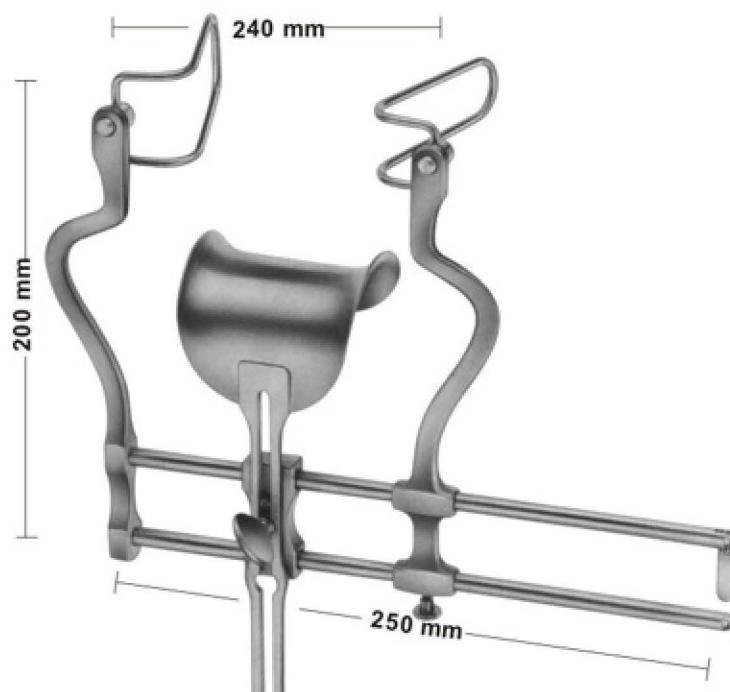
**06-260**  
**BALFOUR**  
 Lateral blades 60 mm deep  
 Center blade 47 x 80 mm



**06-261**  
**BALFOUR**  
 Lateral blades 105 mm deep  
 Center blade 107x 59 mm



**06-262**  
 Center blade only  
 54x80 mm



**06-263 - 06-270**  
**BALFOUR**  
 Complete  
 Spreader only 06-263      06-264      06-265      06-266  
 Lateral blades 50 mm      60 mm      75 mm      90 mm  
 Center blade 47 x 80 mm      62x76 mm      80x80 mm      80x80 mm

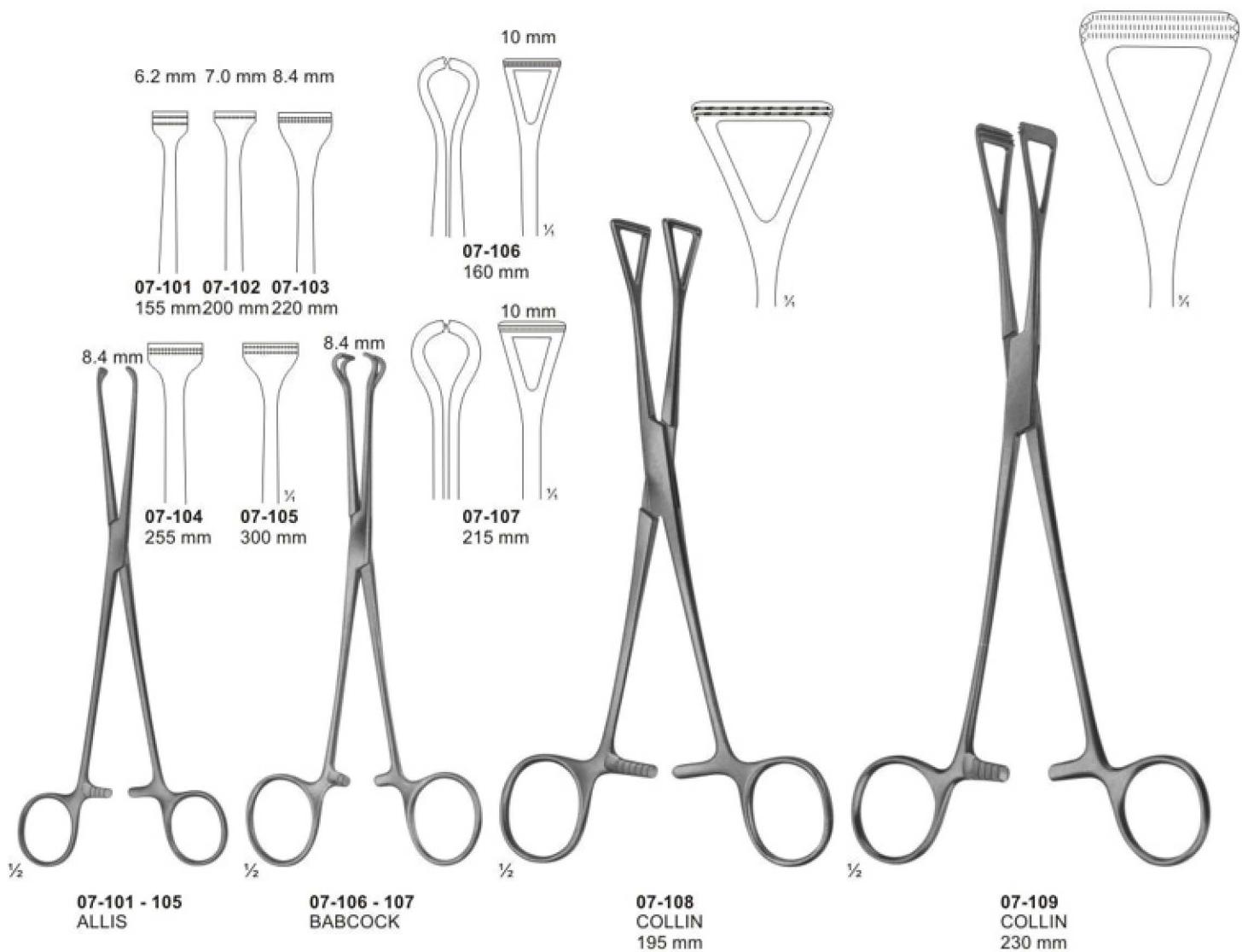


Lateral blades  
**06-267**  
 50 mm deep  
**06-268**  
 60 mm deep  
**06-269**  
 75 mm deep  
 Sales Unit of blades: PR = pair **06-270**  
 90 mm deep



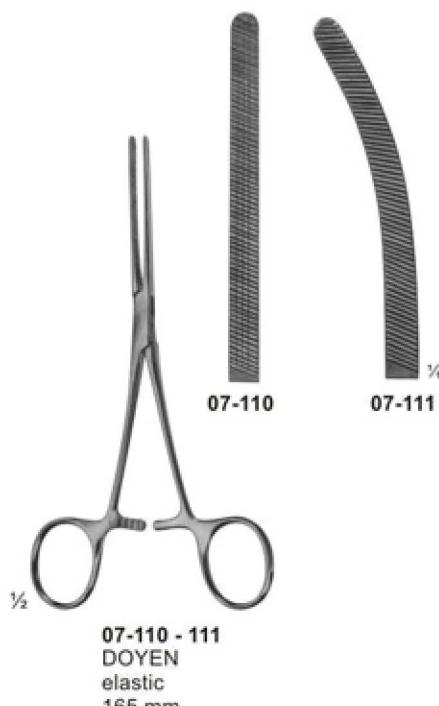
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## Organ-, Tissue and Intestinal Grasping Forceps

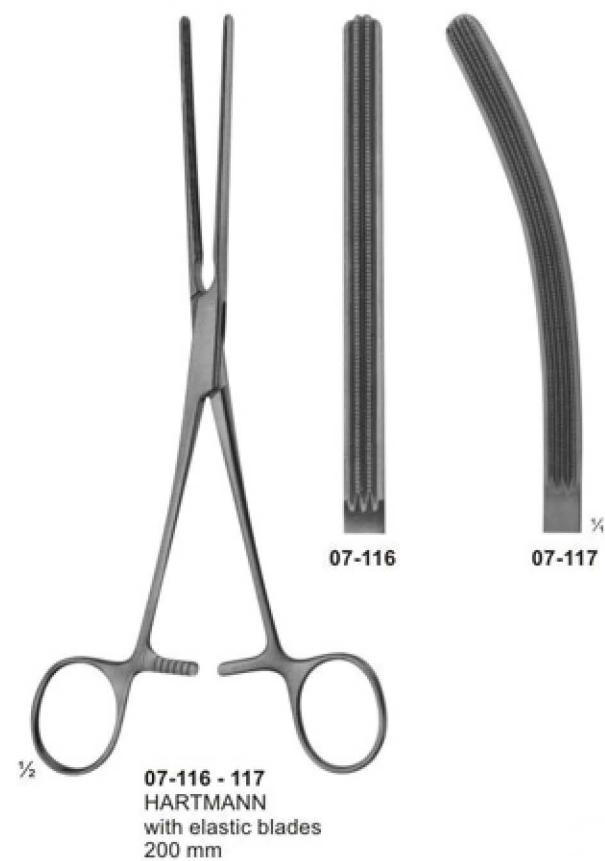
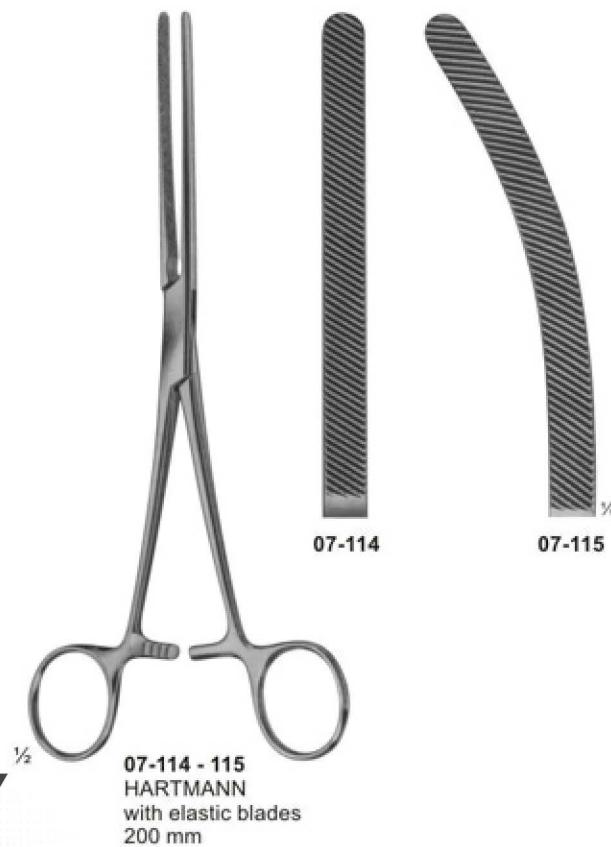


## Intestinal Clamps, soft elastic

### ATRAUMATA



### ATRAUMATA





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## Intestinal and Pylorus Clamps



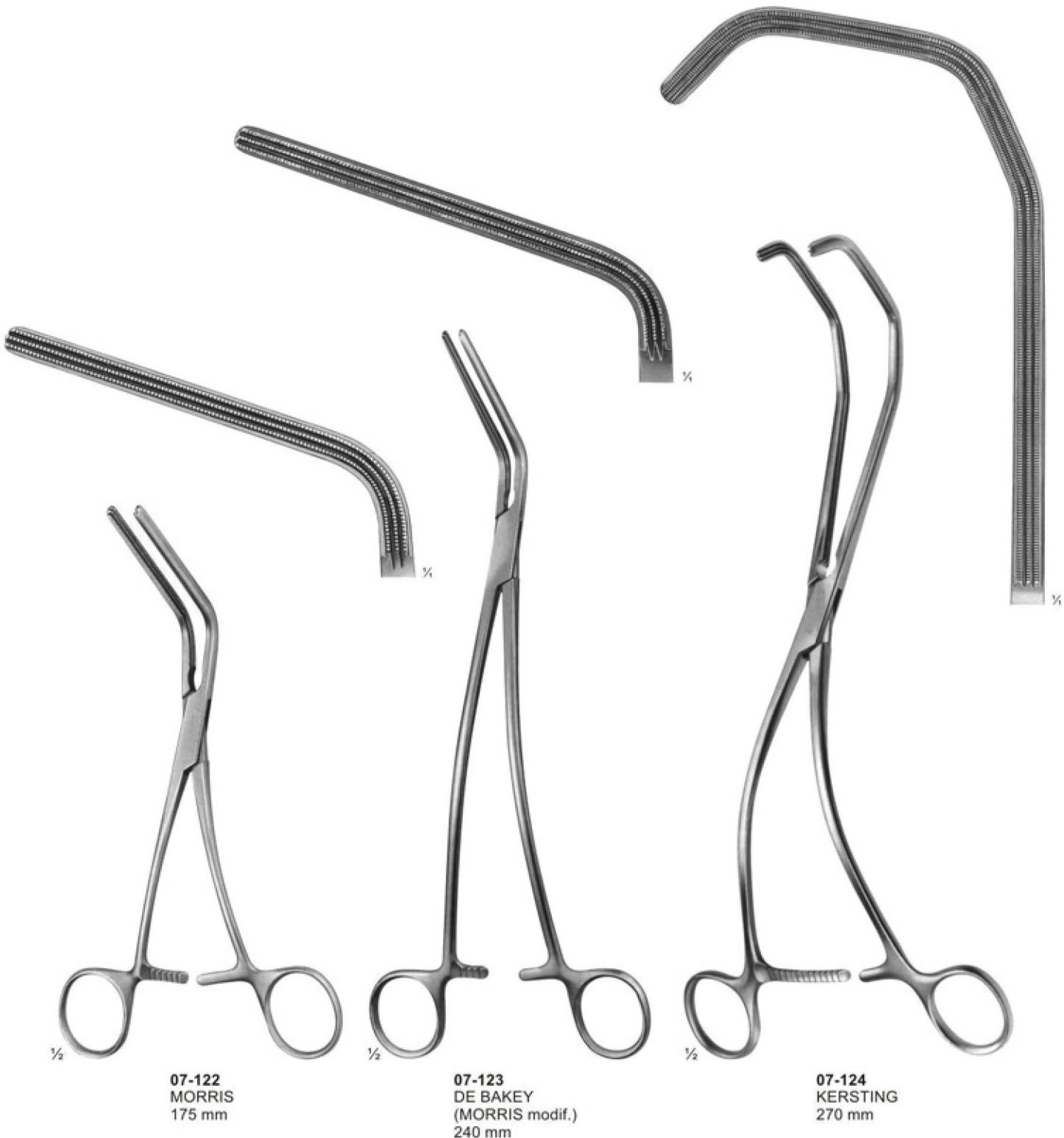
07-118  
PAYR  
Intestinal clamp  
light pattern,  
for children  
180 mm

07-119  
PAYR  
200 mm

07-120  
PAYR  
275 mm

07-121  
PAYR  
Pylorus clamp  
315 mm

## ATRAUMATA Sigmoid Anastomosis Forceps

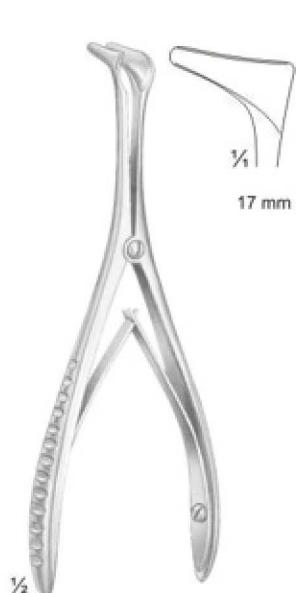




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## Nasal Specula



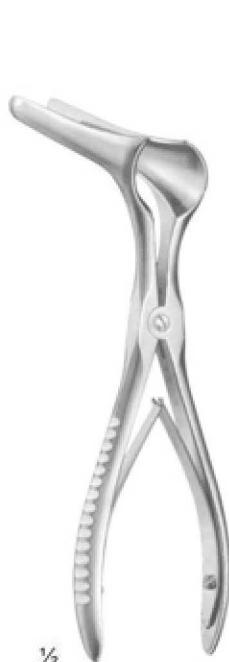
08-101  
Martin  
13 cm / 5 1/8"



08-102  
SIMS  
160 mm



08-103  
Tieck-Halle  
13 cm / 5 1/8"



08-104  
Killian

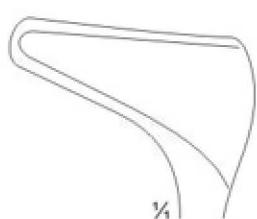


Fig. 1  
14 cm 5 4/8"  
35 mm

Fig. 2  
14,5 cm / 5 4/8"  
50 mm

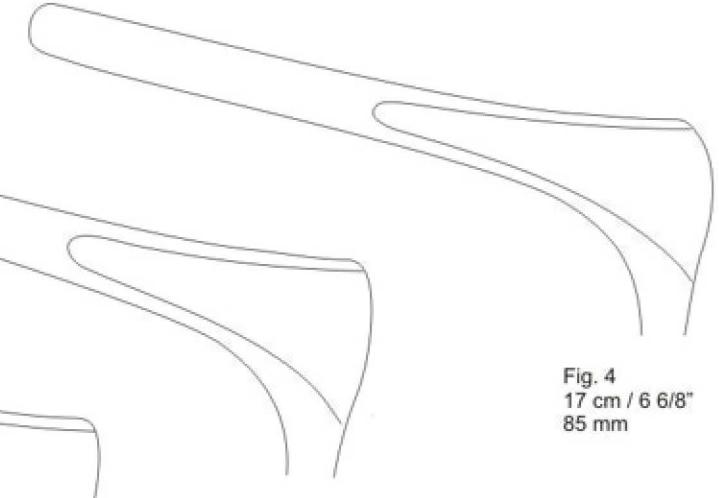


Fig. 3  
16 cm / 6 2/8"  
75 mm

Fig. 4  
17 cm / 6 6/8"  
85 mm



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## Nasal Specula



08-105  
Cottle

Fig. 1  
13,5 cm / 5 3/8"  
35 mm

Fig. 2  
14 cm / 5 4/8"  
50 mm

Fig. 3  
16 cm / 6 2/8"  
75 mm

Fig. 4  
16 cm / 6 2/8"  
85 mm



Fig. 1  
21,0 x 9,5 mm

Fig. 2  
21,0 x 10,5 mm

Fig. 3  
21,0 x 11,5 mm

08-106  
Goldsmith (Thudichum)  
6,5 cm / 2 4/8"



08-107  
Mod. Wien 2  
13,5 cm / 5 3/8"

Fig. 1  
30 mm



Fig. 1  
27 mm

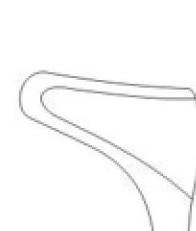


Fig. 2  
31 mm

Fig. 3  
35 mm

08-108  
Hartmann Halle  
16 cm / 6 2/8"



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## Anuscopes-Sphincteroscopes



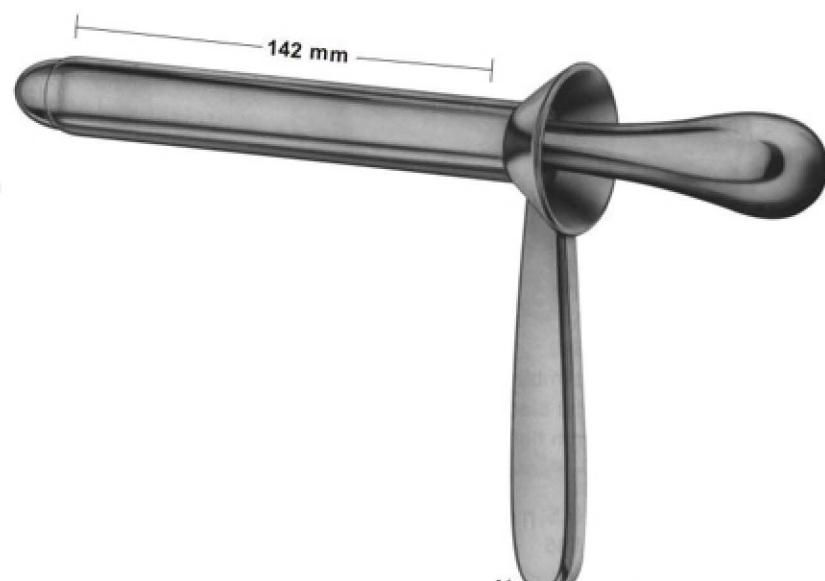
08-109  
IVES-FANSLER  
Anuscops  
145 mm  
 $\varnothing$ 24mm



08-110  
KELLY  
Sphincteroscope  
160 mm  
 $\varnothing$ 21mm



08-111  
KELLY  
Sphincteroscope  
160 mm  
 $\varnothing$ 27mm



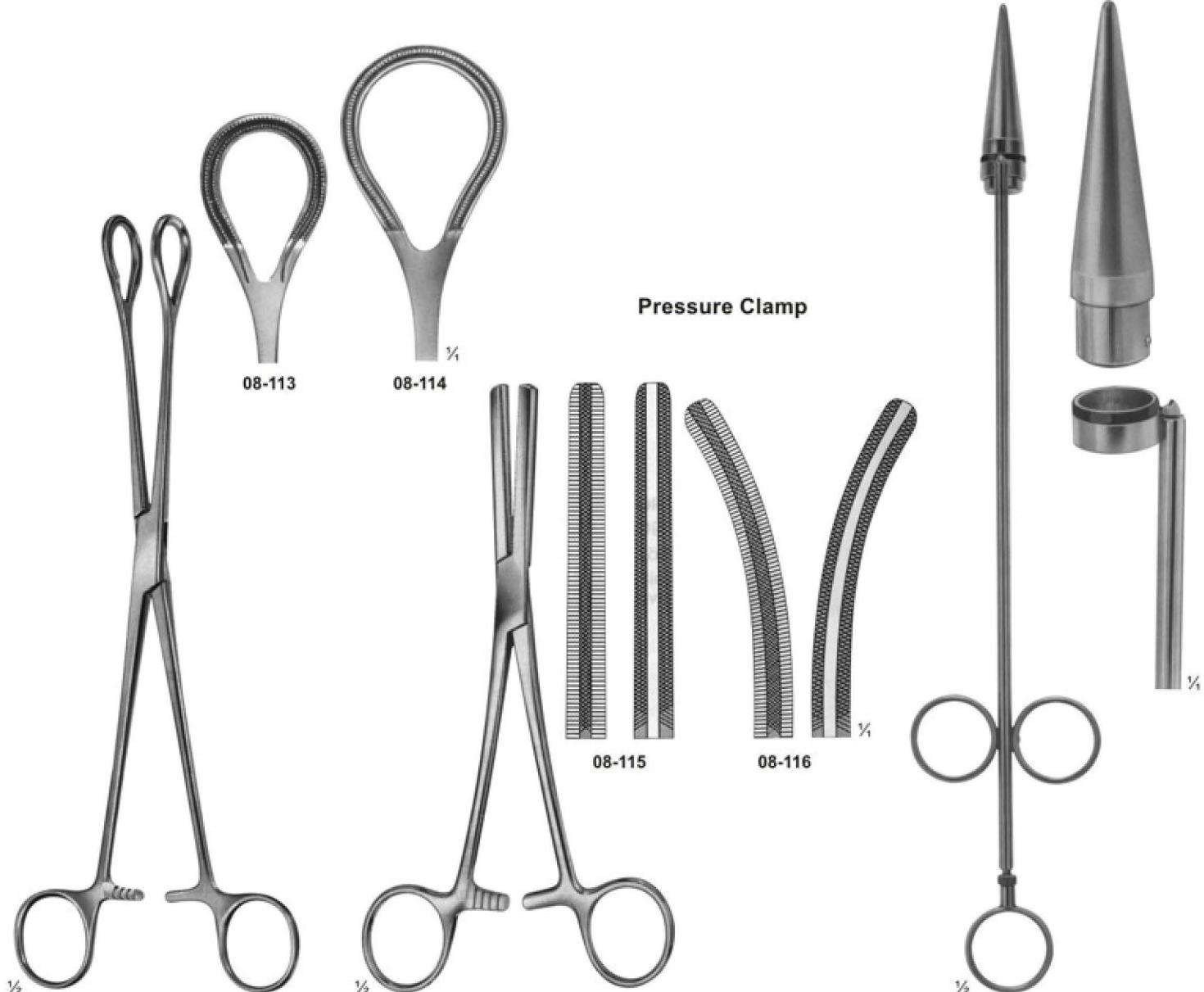
08-112  
KELLY  
Proctoscope  
140 mm  
 $\varnothing$ 22mm



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## Haemorrhoidal Forceps

### ATRAUMATA



08-113 - 08-114  
250 mm  
08-114  
270 mm

08-115 - 08-116  
FERGUSSON  
200 mm

08-117  
RUDD  
Haemorrhoidal ligator  
with loading  
attachment and 100  
ligature rubber rings  
315 mm



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## Gall Duct Forceps



08-118  
LOWER  
180 mm



08-119  
LAHEY ( SWEET )  
190 mm



08-120  
LAHEY  
220 mm

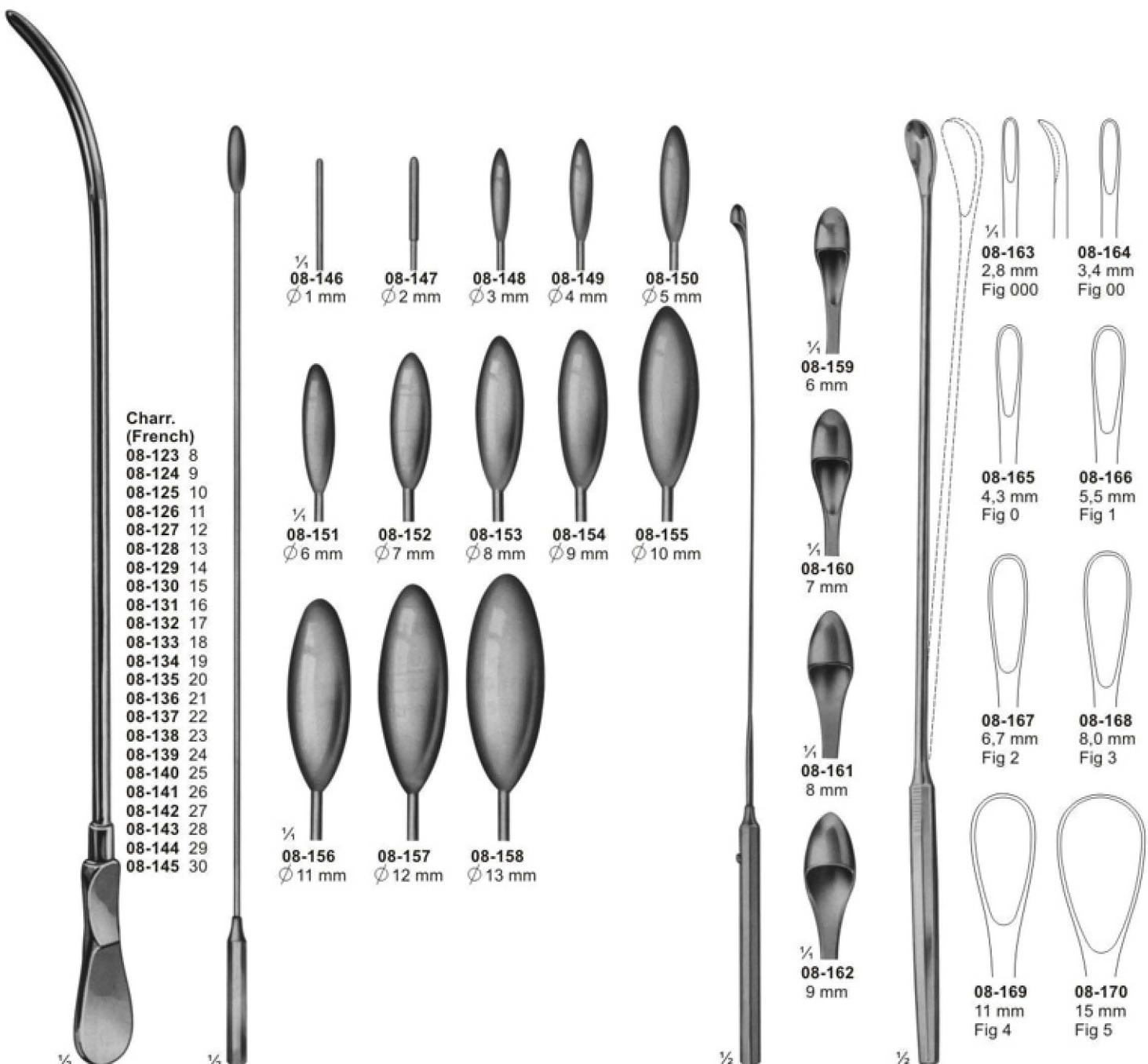


08-121  
DESJARDINS  
Gall duct-and cystic forceps  
210 mm



08-122  
NISSEN  
Gall duct-and cystic forceps  
215 mm

## Gall Duct Dilators and Gall Stone Scoops



**08-123 - 08-145**  
**DITTEL**  
Metall bougies and  
dilating sounds, stiff  
345 mm

**08-146 - 08-158**  
**BAKES**  
Common bile duct  
dilators, malleable  
08-146 - 08-150 315 mm  
08-151- 08-158 320 mm

**08-159 - 08-162**  
**DESJARDINS**  
Probe and catch  
with flexible schaft  
300 mm

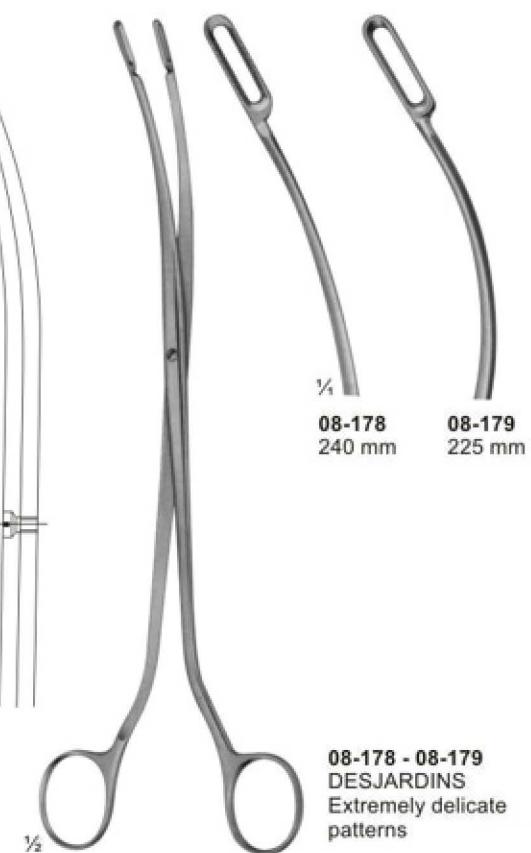
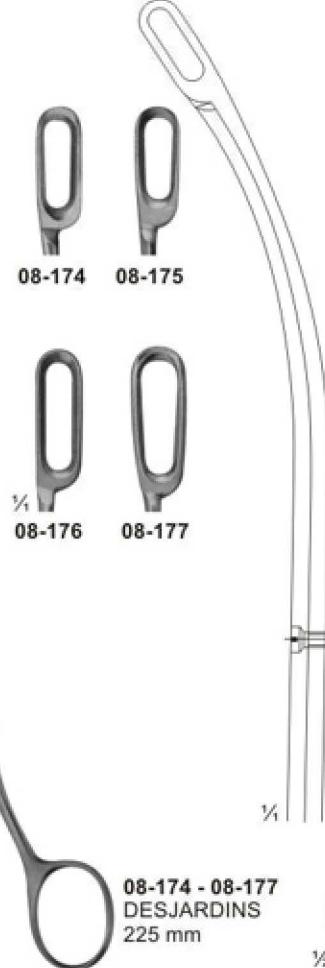
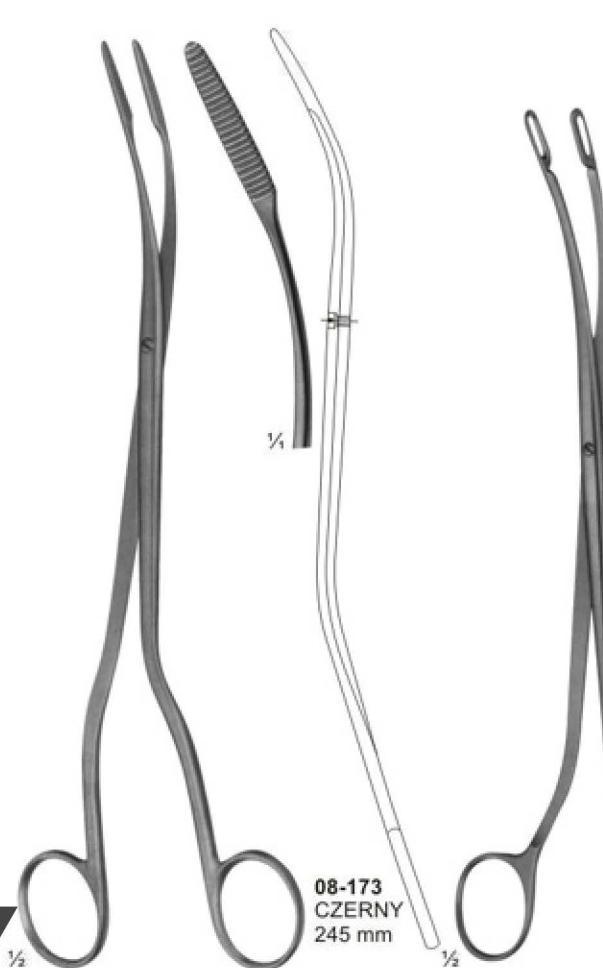
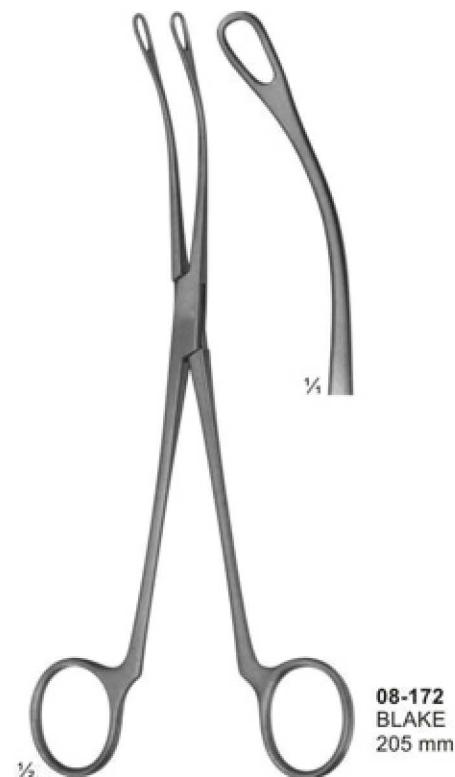
**08-163 - 08-170**  
**LUER-KOERTE modif**  
with malleable shaft  
310 mm



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## Gall Stone Forceps

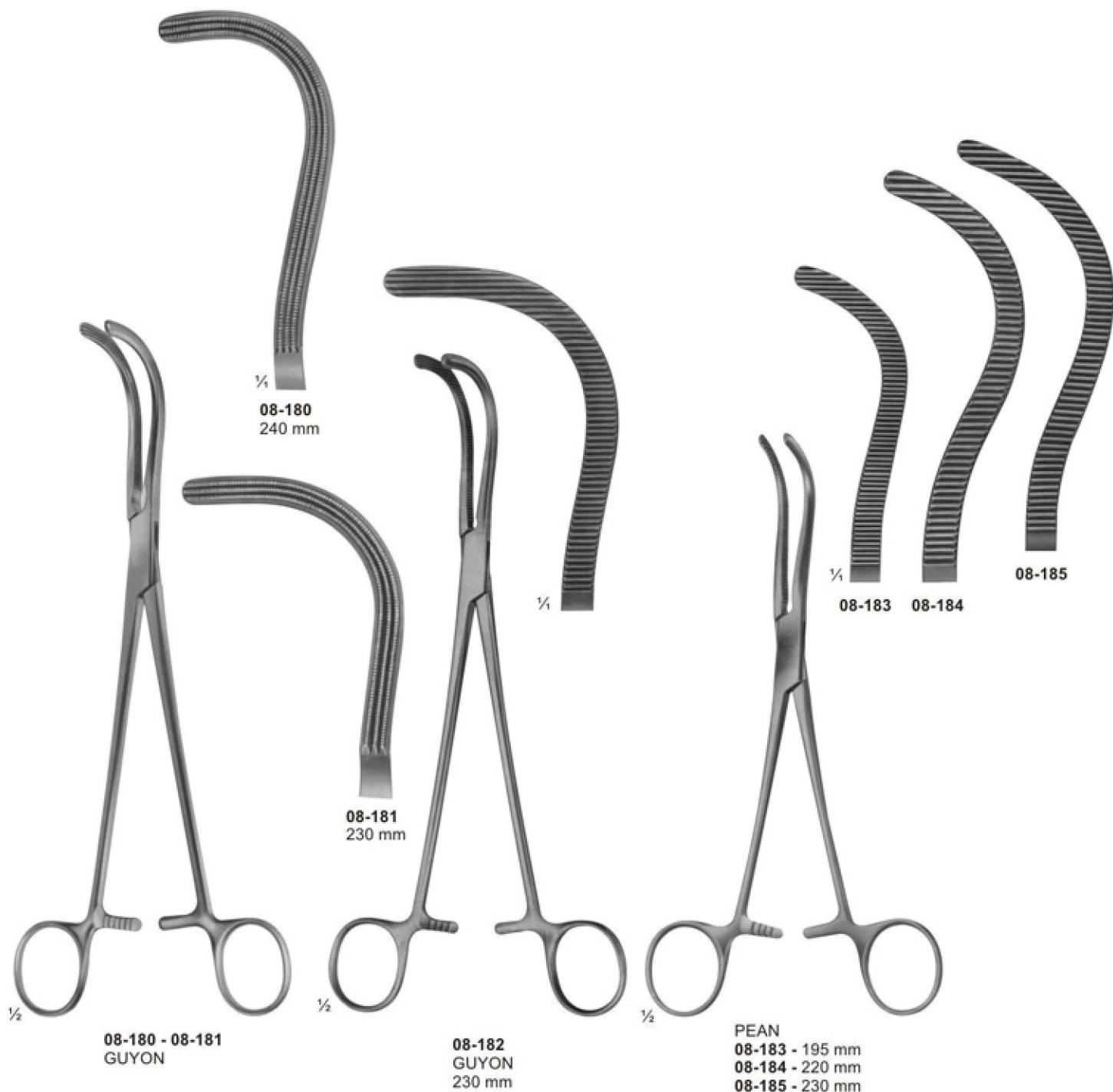




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## Kidney Clamps

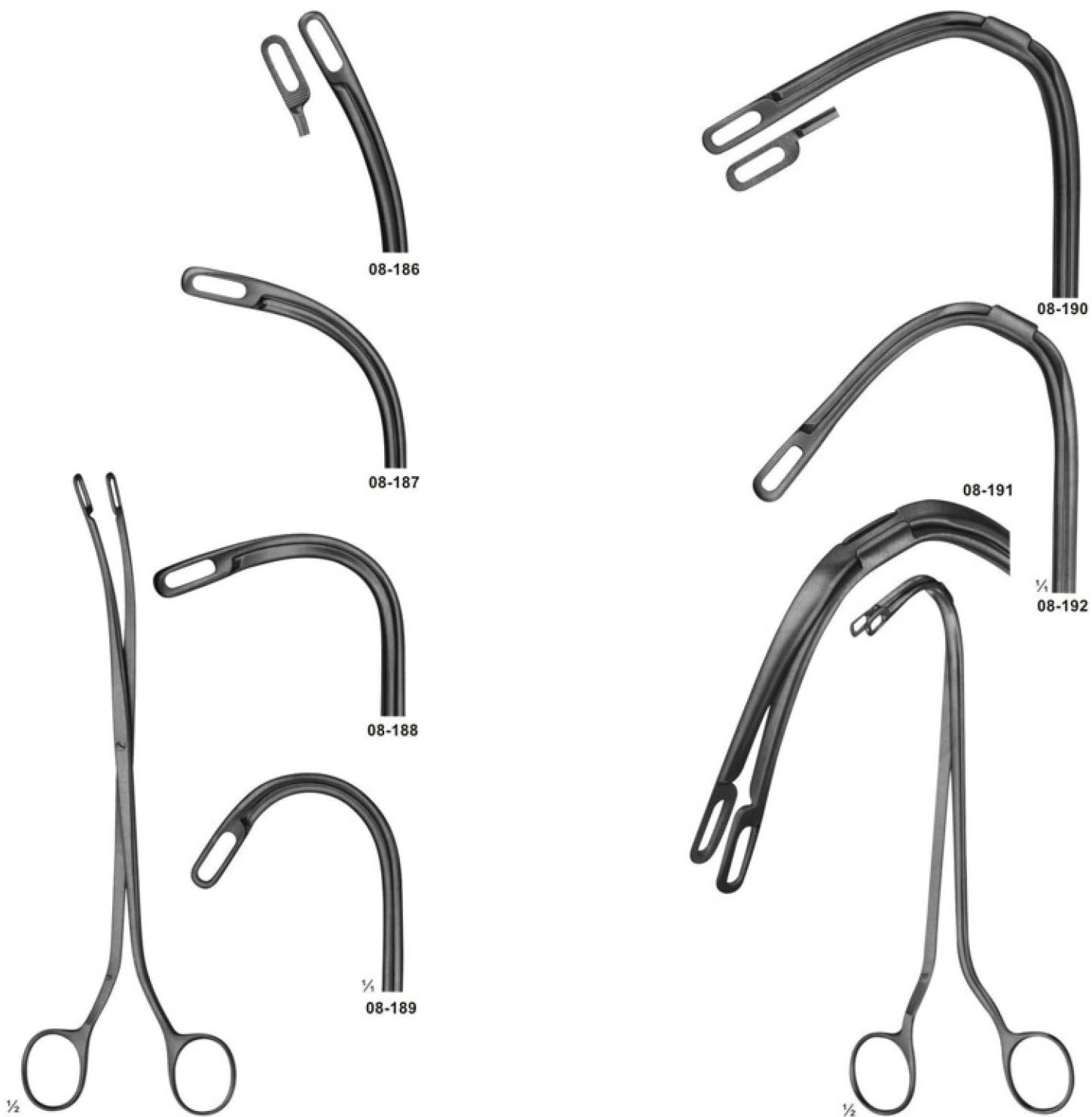
### ATRAUMATA





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## Kidney Stone Forceps



08-186 - 08-189  
RANDALL  
225 mm

08-190 - 08-192  
RANDALL  
190 mm



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## Bladder Retractors



**09-101**  
JUDD-MASSON  
Bladder-and suprapubic  
retractor



**09-102**  
MILLIN  
Center bladder for  
retro pubic prostatectomy



**09-103**  
MILLIN  
Bladder retractor, complete  
105X45 mm



**09-104**  
LEGUEU  
Bladder retractor  
Center blade  
80 x 31 mm



**09-105**  
KOCHE  
Bladder spatula  
235 mm

## Trocars

Luer Lock



**09-106**  
**KLIMA ROSEGGER**  
 35 X 1,8 mm  
 Sternal puncture needle



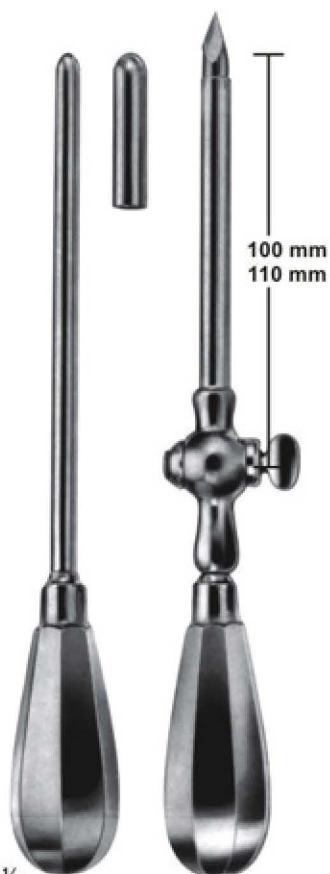
**09-107**  
 Universal trocar  
 with 4 tips



NELSON



**09-113 - 116**  
 Inside dime.Outside dime  
**09-113** 2,2 mm 3,0 mm  
**09-114** 3,0 mm 4,0 mm  
**09-115** 4,0 mm 5,0 mm  
**09-116** 5,0 mm 6,0 mm  
 for abdominal puncture,  
 with stop-cock and lateral drain



**09-117 - 118**  
 Inside diam.Outside diam  
**09-117** 6,5 mm 8,0 mm  
**09-118** 9,0 mm 10,0 mm  
 Empyema trocar  
 BUELEU



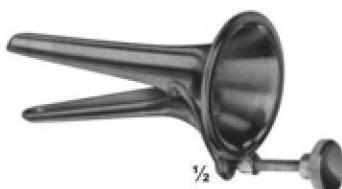
**09-119 - 122**  
 Inside diam.Outside diam  
**09-119** 3,0 mm 4,0 mm  
**09-120** 3,6 mm 4,6 mm  
**09-121** 4,3 mm 5,3 mm  
**09-122** 5,0 mm 6,0 mm  
 Gall bladder trocars. OCHSNER



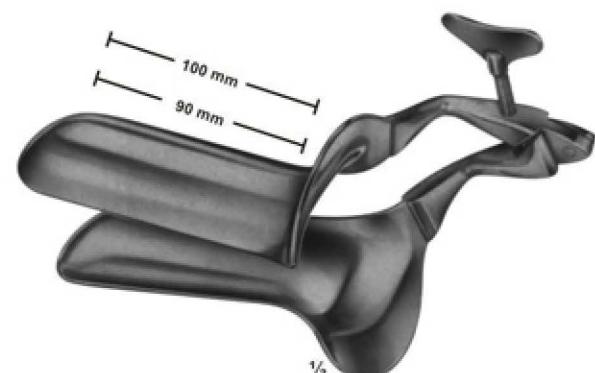
**09-123**  
**PIERCE**  
 Antrum trocar  
 $\varnothing$  4,0 mm

**09-124**  
**COAKLEY**  
 Antrum trocar  
 3,0 mm

## Vaginal Specula



**10-101**  
**COLLIN**  
for children  
53 x 10 mm



**10-102 - 105**  
**COLLIN**  
**10-102** 100/90mm 28 mm  
**10-103** 100/90mm 32 mm  
**10-104** 105/95mm 35 mm  
**10-105** 115/105mm 40 mm  
 Total length/working length



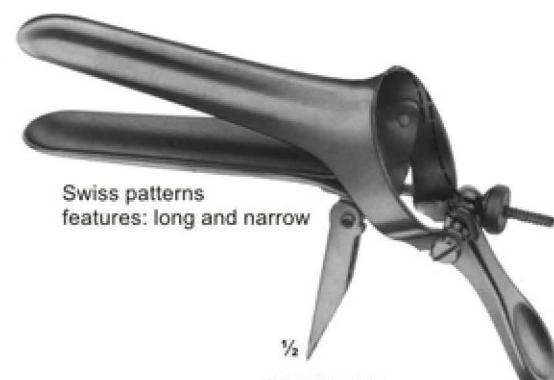
**10-106**  
**COLLIN**  
for virgins  
95/85 x 18 mm



**10-107**  
**CUSCO**  
for virgins  
75 x 17 mm



**10-108**  
**CUSCO**  
for virgins  
75 x 17 mm



**10-109 - 111**  
**CUSCO**  
**10-109** 92X23-25 mm  
**10-110** 100x25-27 mm  
**10-111** 110x27-30 mm



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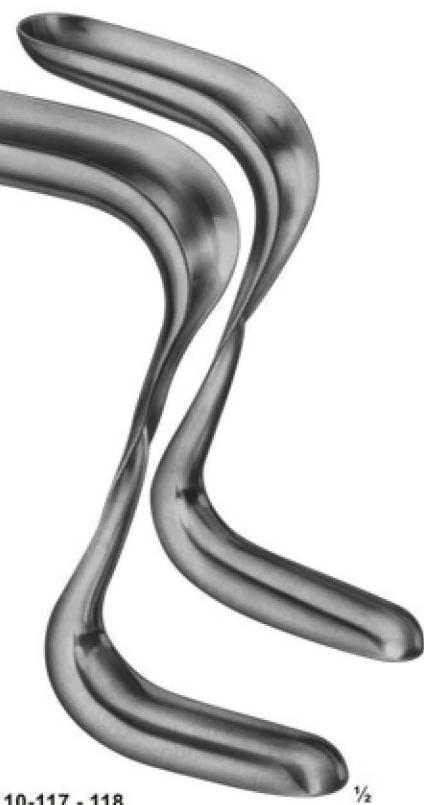
## Vaginal Specula- Sets, upper and lower blades



10-112 - 114  
GRAVE  
10-112 75X20 mm  
10-113 95X30 mm  
10-114 105X33 mm



10-115 - 116  
PEDERSON  
10-115 100X22 mm  
10-116 120X25 mm



10-117 - 118  
BRIESKY  
10-117 72X25 mm / 77X30 mm 140 mm  
10-118 75X30 mm / 92X38 mm 170 mm



10-119  
SIMS  
70 X 26 mm / 75 X 30 mm  
75 X 30 mm / 80 X 35 mm  
80 X 36 mm / 90 X 40 mm  
175 mm



10-120 - 122  
SEIDL  
10-120 80X8 mm  
10-121 80X10 mm  
10-122 90X14 mm  
For children and infants  
170 mm



10-123  
KRISTELLER  
70X15 mm, ( 170 mm )  
For children

10-124 - 10-126  
KRISTELLER  
10-124 70X27 mm  
10-125 75X30 mm  
10-126 90X36 mm  
175 mm



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## Vaginal Specula- upper and lower blades



10-127 - 131  
KRISTELLER  
10-127 110X18 mm  
10-128 110X20 mm  
10-129 110X27 mm  
10-130 110X30 mm  
10-131 110X36 mm  
220 mm

10-132 - 10-135  
KRISTELLER  
Upper blades

10-136 - 10-139  
KRISTELLER  
Lower blades



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## Vaginal Specula





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## Vaginal Retractors



10-154  
JOLL (FRIEDMAN)  
155 mm



10-155  
RICHTER  
170 mm



10-156  
GELPI  
135 mm



10-157  
GELPI  
175 mm



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## Uterine Dilators



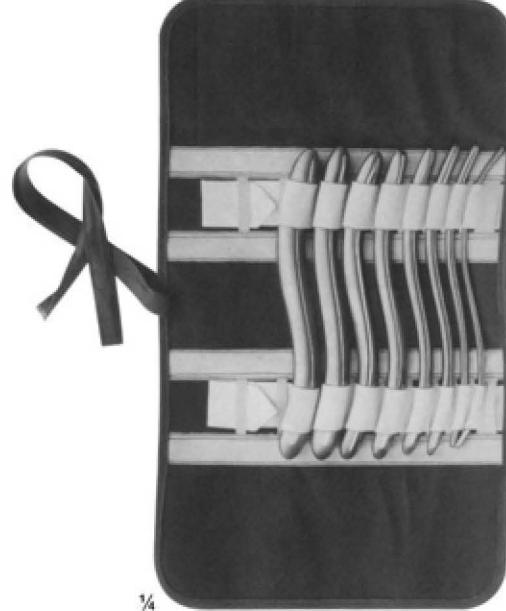
|        |    |    |        |      |    |
|--------|----|----|--------|------|----|
| 11-101 | 1  | mm | 11-123 | 23   | mm |
| 11-102 | 2  | mm | 11-124 | 24   | mm |
| 11-103 | 3  | mm | 11-125 | 25   | mm |
| 11-104 | 4  | mm | 11-126 | 26   | mm |
| 11-105 | 5  | mm | 11-127 | 1 ½  | mm |
| 11-106 | 6  | mm | 11-128 | 2 ½  | mm |
| 11-107 | 7  | mm | 11-129 | 3 ½  | mm |
| 11-108 | 8  | mm | 11-130 | 4 ½  | mm |
| 11-109 | 9  | mm | 11-131 | 5 ½  | mm |
| 11-110 | 10 | mm | 11-132 | 6 ½  | mm |
| 11-111 | 11 | mm | 11-133 | 7 ½  | mm |
| 11-112 | 12 | mm | 11-134 | 8 ½  | mm |
| 11-113 | 13 | mm | 11-135 | 9 ½  | mm |
| 11-114 | 14 | mm | 11-136 | 10 ½ | mm |
| 11-115 | 15 | mm | 11-137 | 11 ½ | mm |
| 11-116 | 16 | mm | 11-138 | 12 ½ | mm |
| 11-117 | 17 | mm | 11-139 | 13 ½ | mm |
| 11-118 | 18 | mm | 11-140 | 14 ½ | mm |
| 11-119 | 19 | mm | 11-141 | 15 ½ | mm |
| 11-120 | 20 | mm | 11-142 | 16 ½ | mm |
| 11-121 | 21 | mm | 11-143 | 17 ½ | mm |
| 11-122 | 22 | mm |        |      |    |

11-101 - 143  
HEGAR  
with very conical point  
185 mm



|        |       |    |
|--------|-------|----|
| 11-144 | 1+2   | mm |
| 11-145 | 3+4   | mm |
| 11-146 | 5+6   | mm |
| 11-147 | 7+8   | mm |
| 11-148 | 9+10  | mm |
| 11-149 | 11+12 | mm |
| 11-150 | 13+14 | mm |
| 11-151 | 15+16 | mm |
| 11-152 | 17+18 | mm |

11-144 - 152  
HEGAR  
205 mm



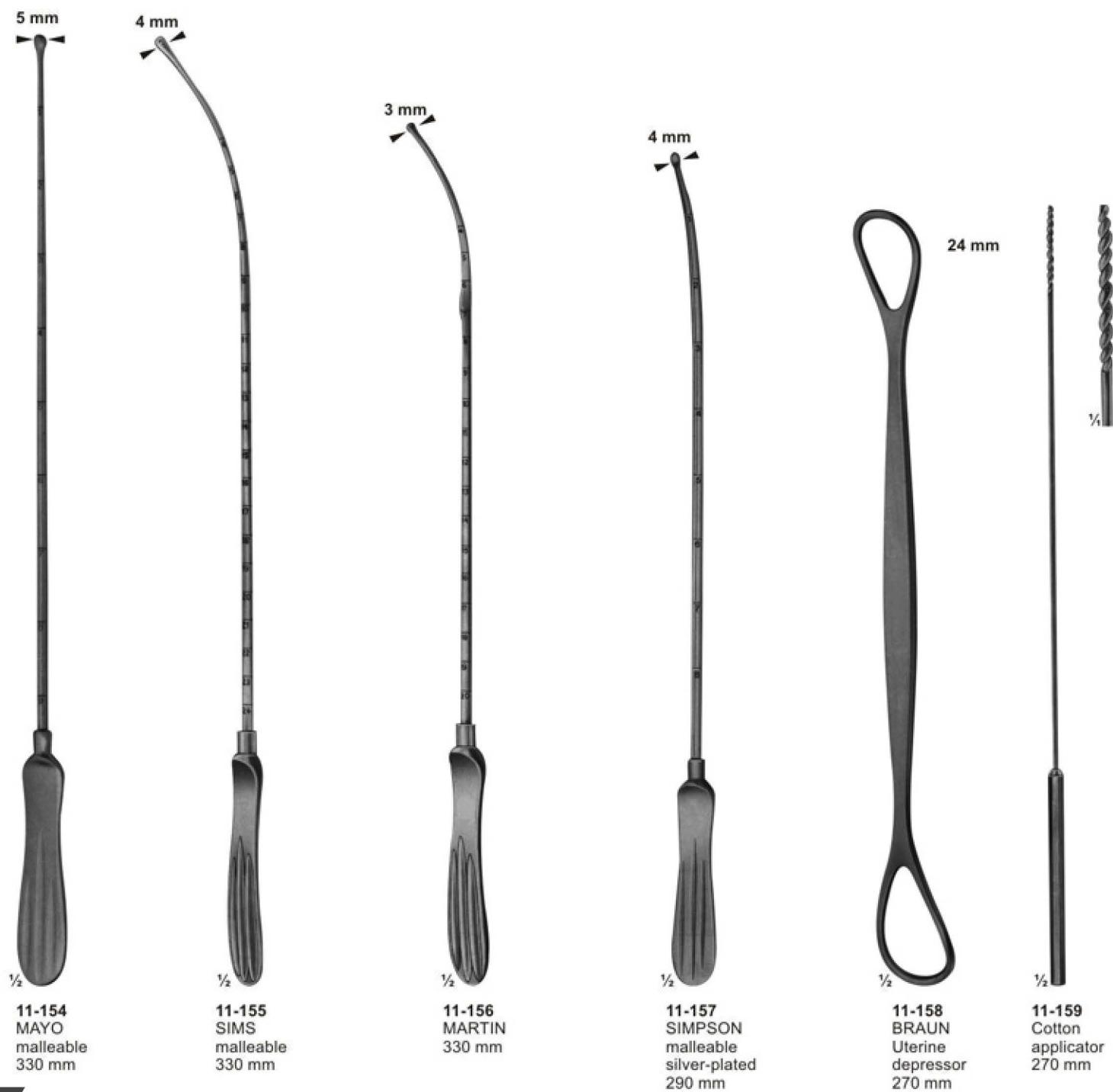
11-153  
HEGAR  
Uterine dilator set, in canvas  
roll with 8 dilators.



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## Uterine Probes





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## Uterine Dressing Forceps



11-160  
PELKMAN  
260 mm

11-161  
PELKMAN  
260 mm

11-162  
BOZEMANN  
250 mm

11-163  
BOZEMANN  
255 mm

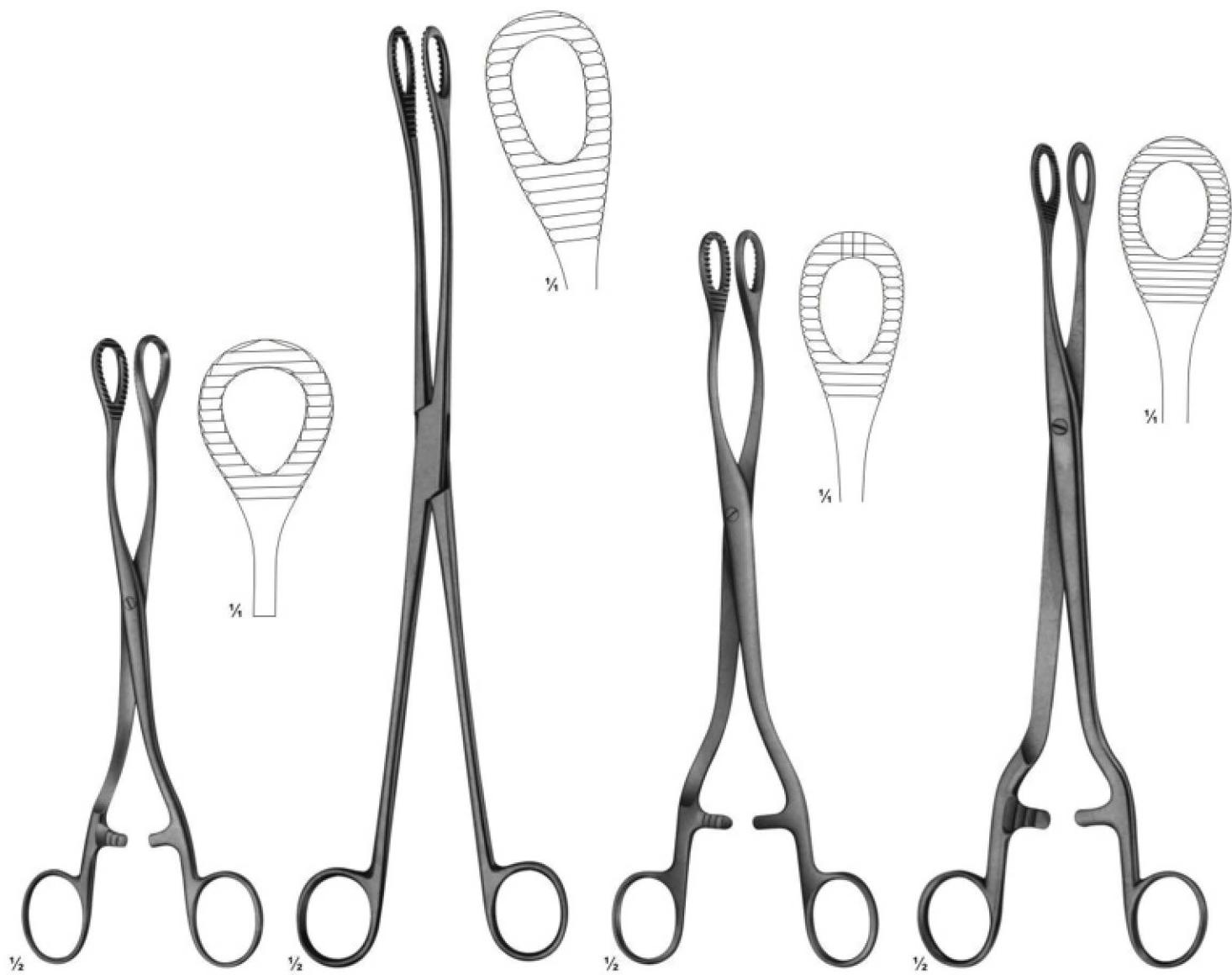
Jaws with longitudinal groove



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## Polypus-and Ovum Forceps



11-164  
HEYWOOD-SMITH  
200 mm

11-165  
KELLY  
320 mm

11-166  
HEYWOOD-SMITH  
250 mm

11-167  
NOTO  
280 mm

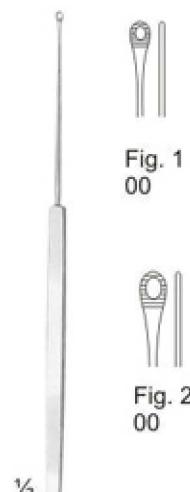


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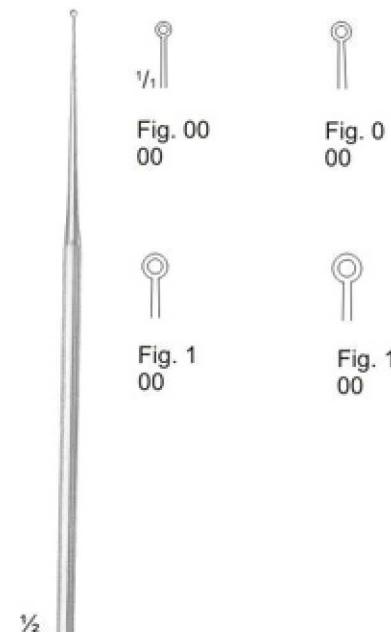
## Ear Curettes



**12-101**  
Langenbeck  
13 cm / 5 1/8"



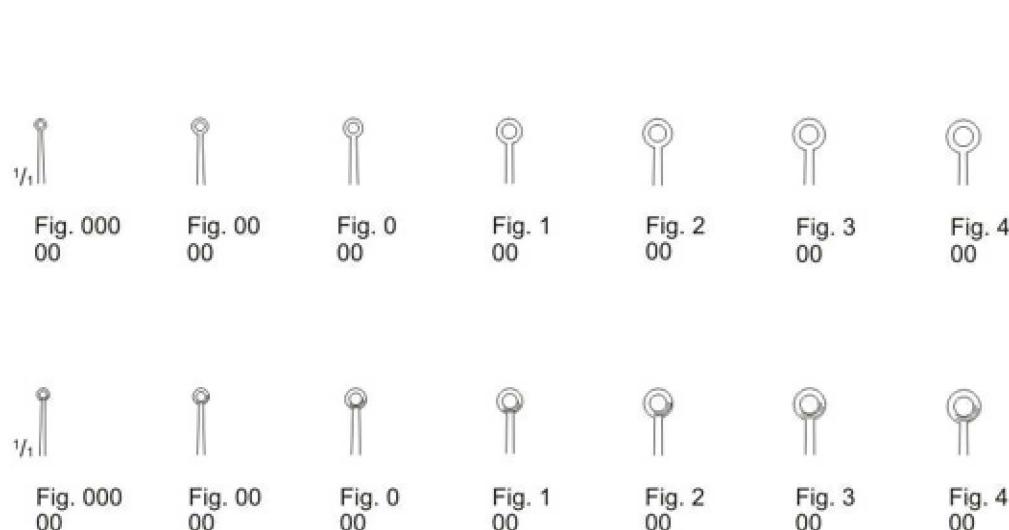
**12-102**  
Shapleigh  
15 cm / 5 1/8"



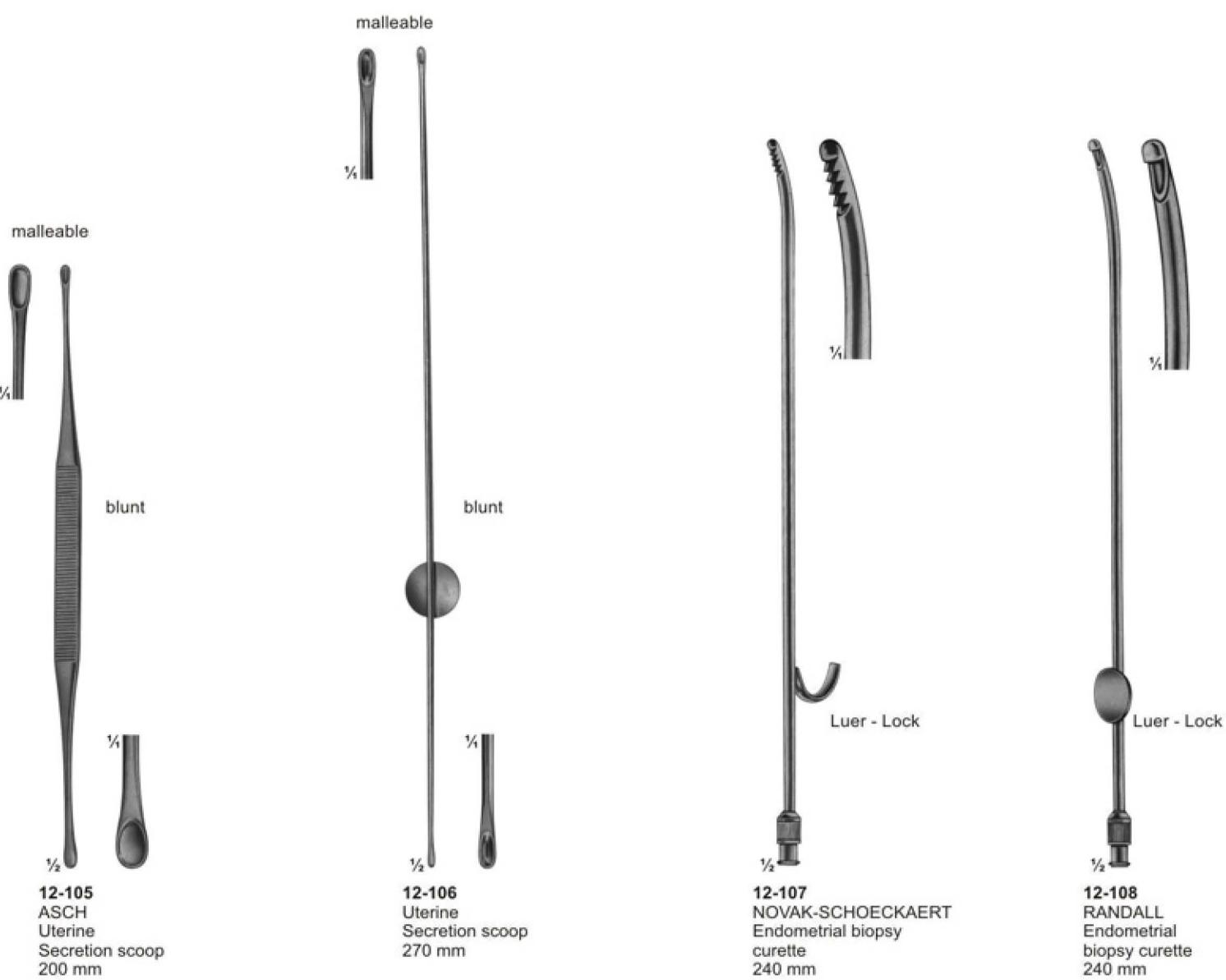
**12-103**  
Buck  
17cm / 6 6/8"



**12-104**  
Buck  
15 cm / 6 6/8"



## Biopsy Curettes





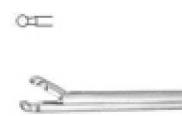
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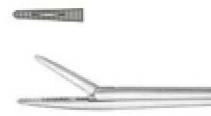
## Ear Polypus Forceps



**12-109**  
Hartmann-Wullstein  
shaft length  
85 mm



**12-110**  
Hartmann-Wullstein  
shaft length  
85 mm



**12-111**  
Hartmann  
shaft length  
85 mm



**12-112**  
Hartmann  
shaft length  
85 mm

**12-113**  
14 cm / 5 4/8"  
shaft length  
140 mm



**12-109 - 12-119**



**12-114**  
Hartmann-Herzfeilr  
2,0 mm  
shaft length  
85mm



**12-115**  
Hartmann  
3 mm  
shaft length  
85mm



**12-116**  
shaft length  
85mm



**12-117**  
Hartmann-Hoffmar  
2,0 mm  
85mm

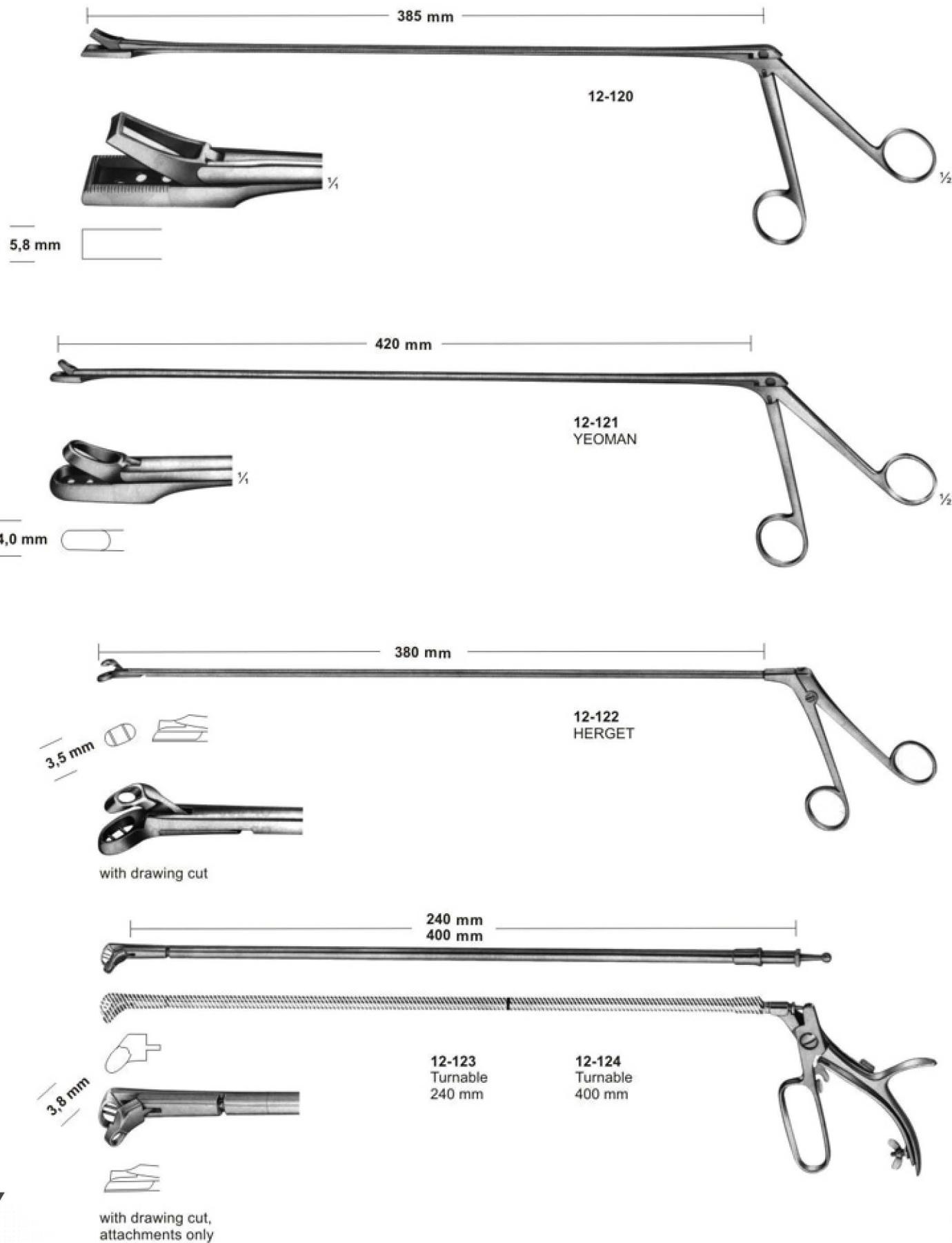
**12-118**  
2,5 mm  
85 mm

**12-119**  
3,0 mm  
85 mm



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## Biopsy forceps for rectum

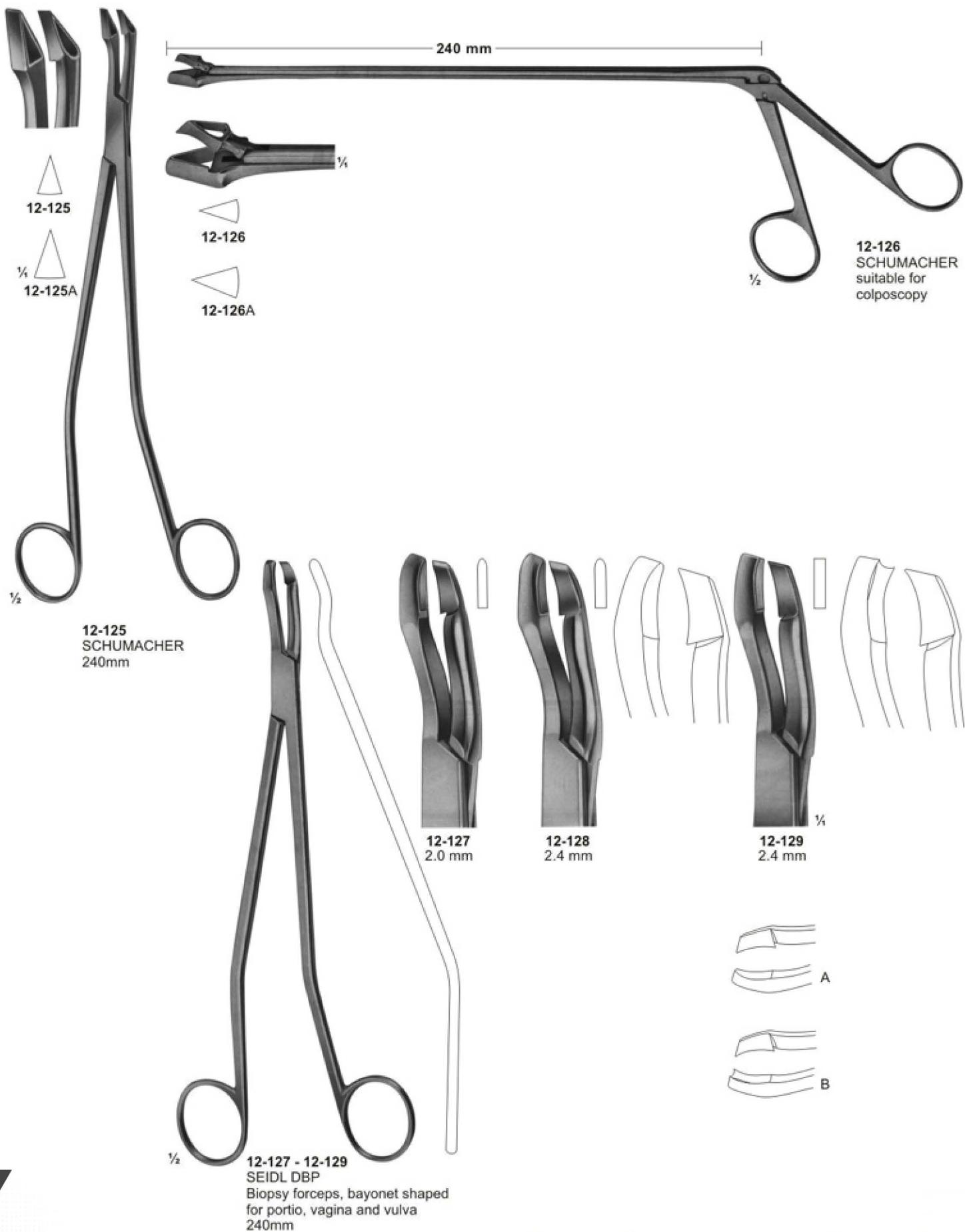




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## Biopsy Forceps

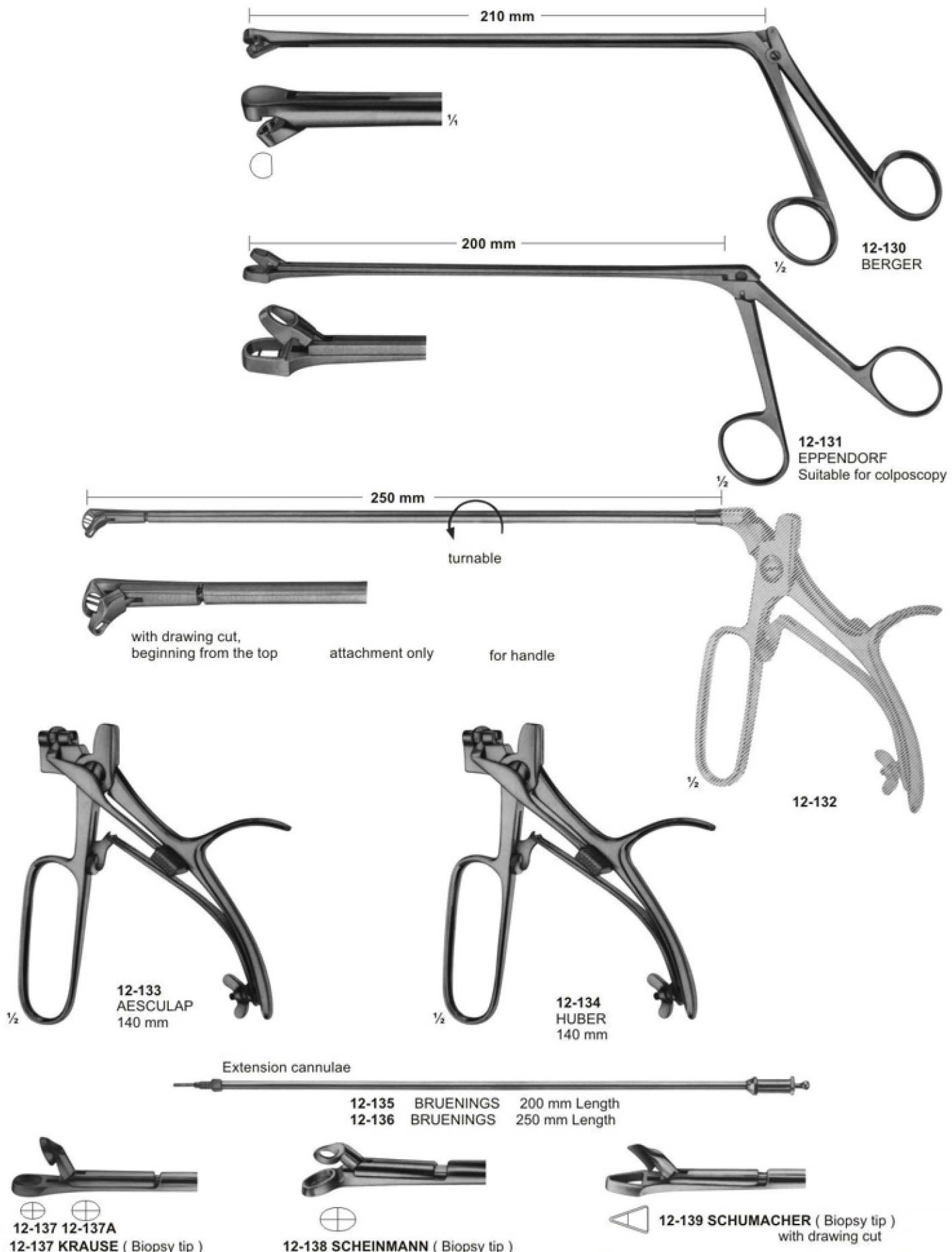




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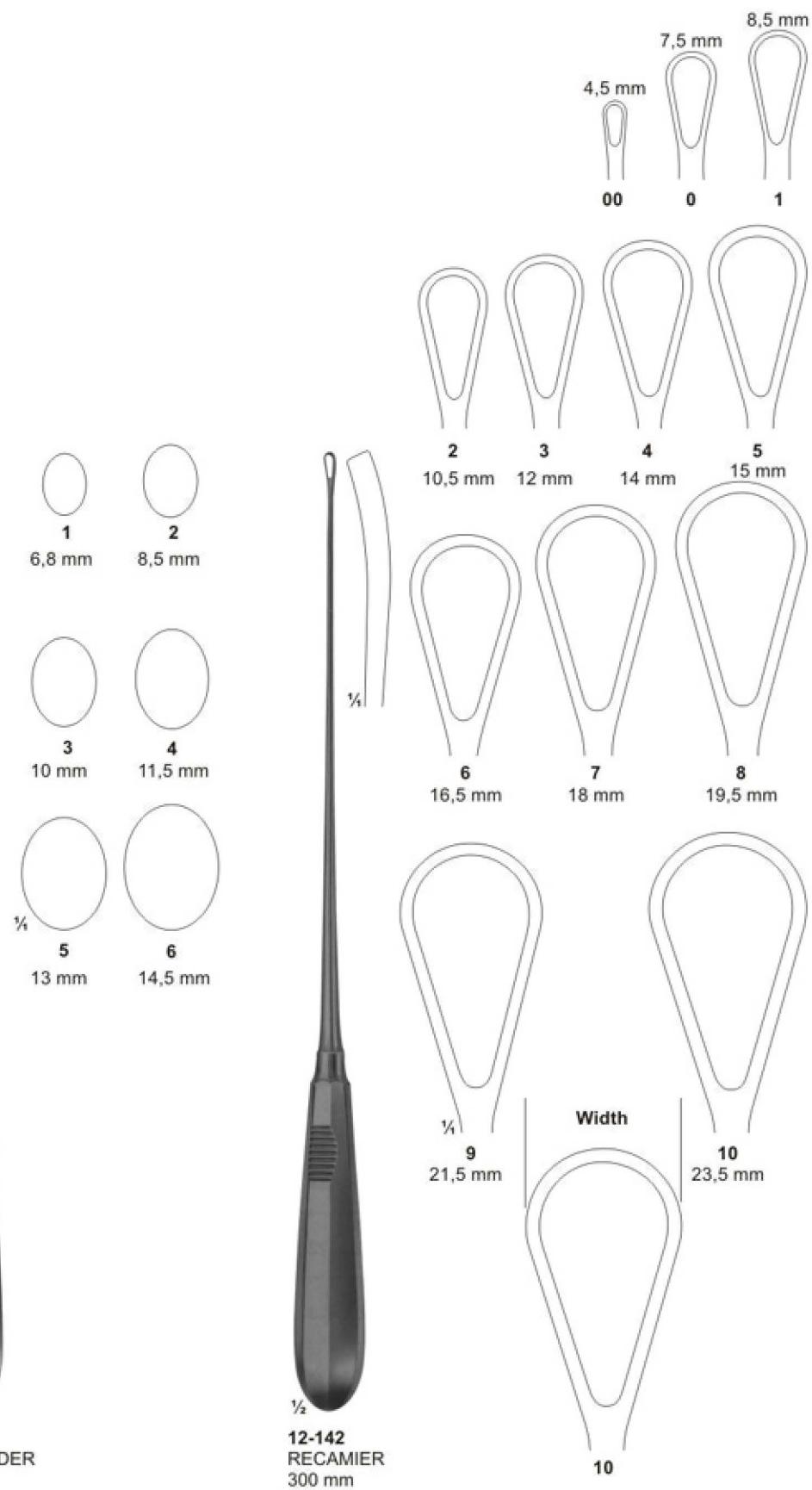
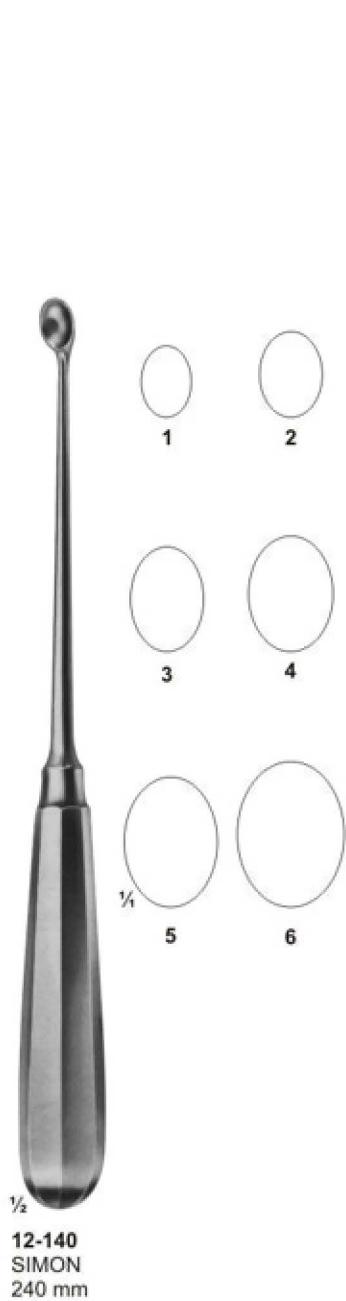
## Biopsy Forceps





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## Uterine Scoops



## Obstetrical Forceps



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13-101  
NAEGELE  
355 mm

13-102  
NAEGELE  
400 mm

13-103  
SIMPSON-BRAUN  
305mm



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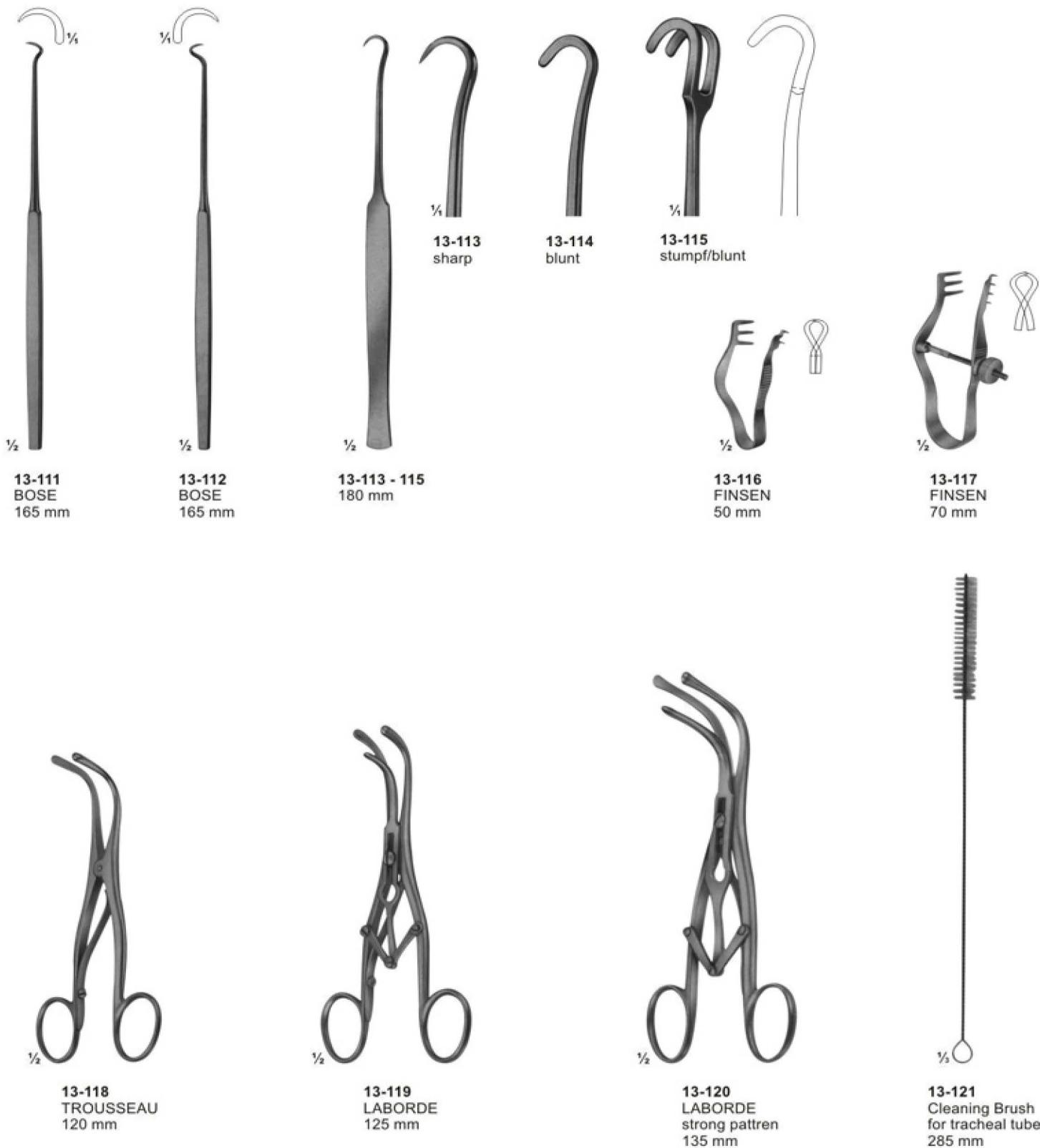
## Obstetrics- Placenta and Ovum Forceps





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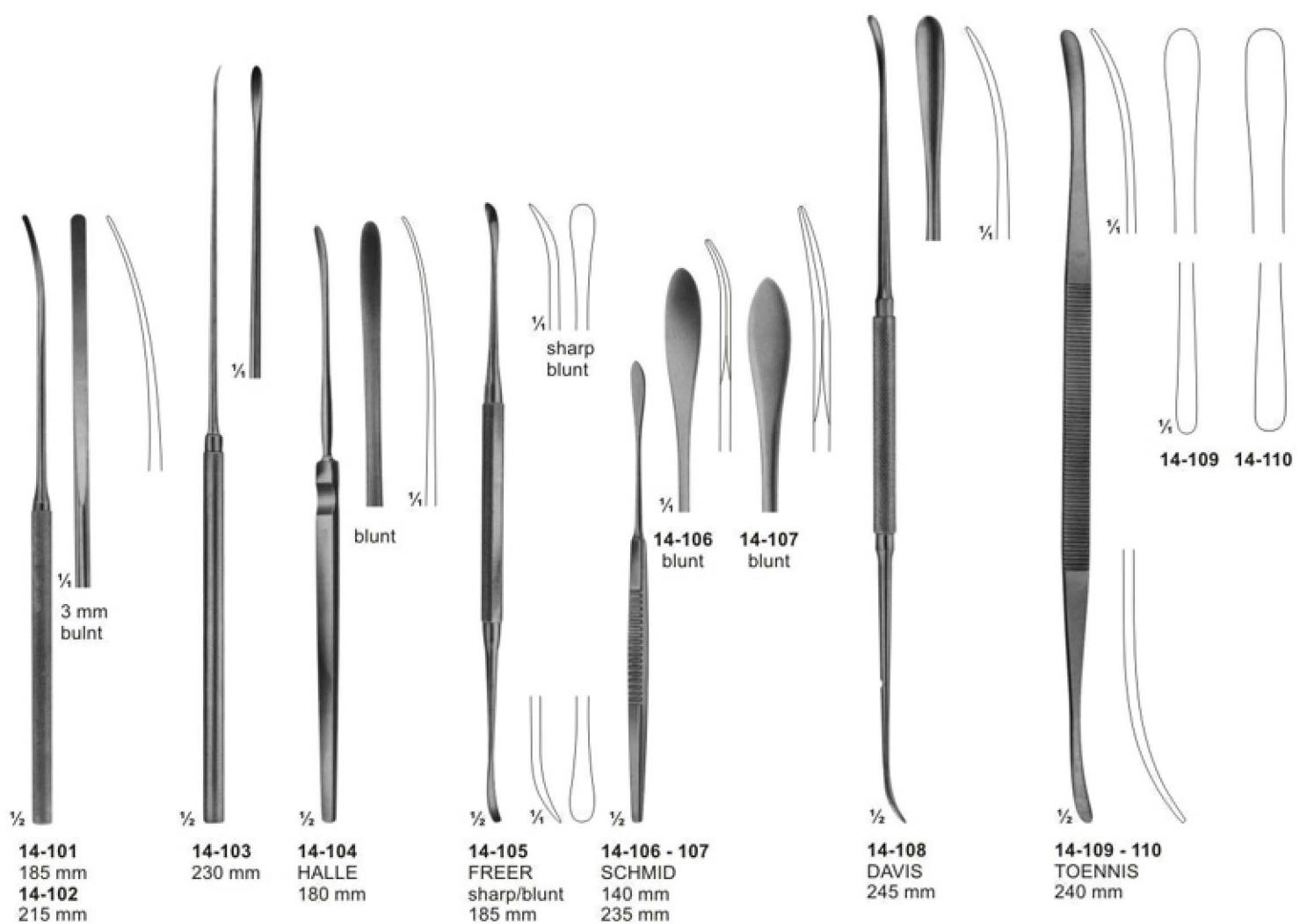
## Tound-and Tracheal Hooks and Dilators





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## Vascular Spatulas



14-101  
185 mm  
14-102  
215 mm

14-103  
230 mm

14-104  
HALLE  
180 mm

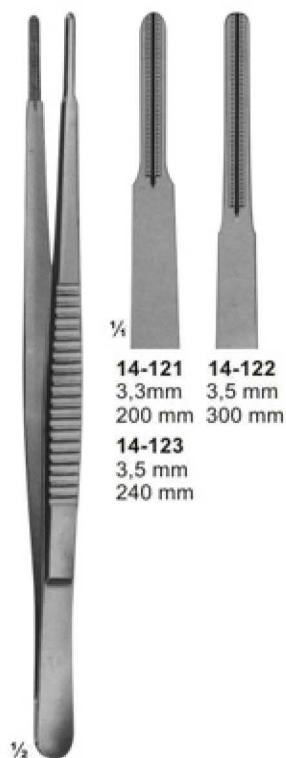
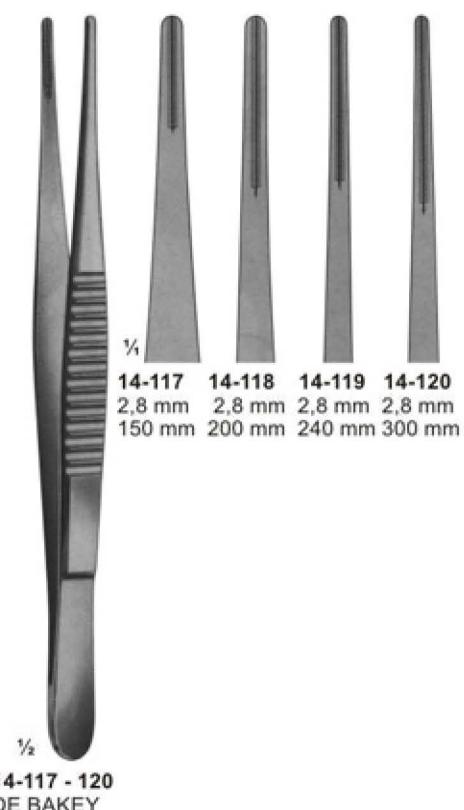
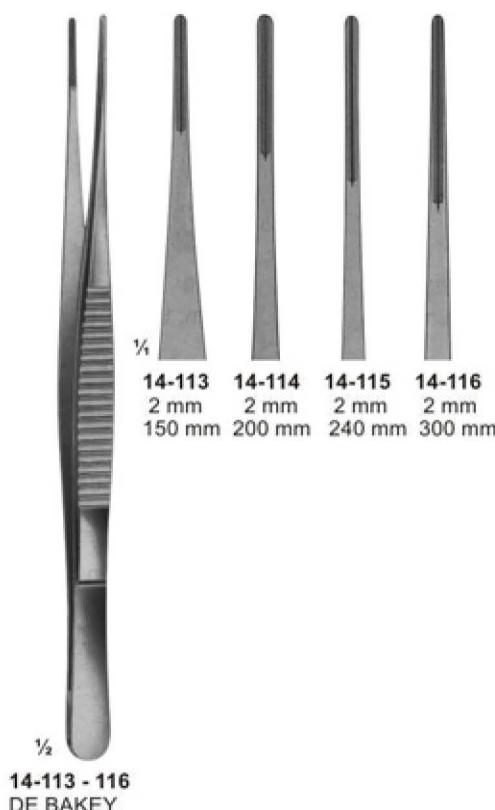
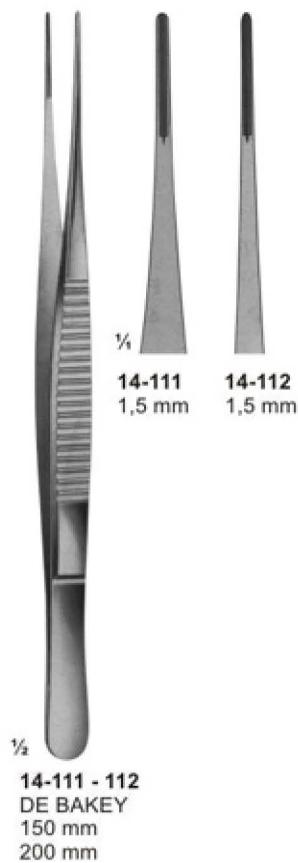
14-105  
FREEER  
sharp/blunt  
185 mm

14-106 - 107  
SCHMID  
140 mm  
235 mm

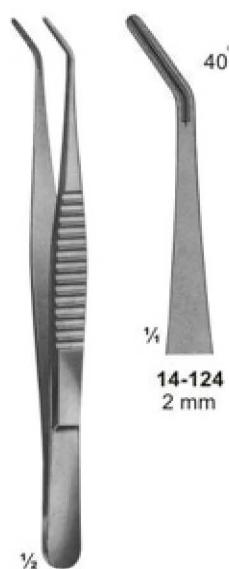
14-108  
DAVIS  
245 mm

14-109 - 110  
TOENNIS  
240 mm

## ATRAUMATA Forceps

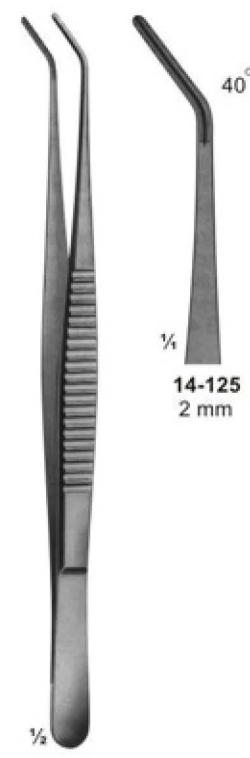


14-123  
3,5 mm  
240 mm



14-121 - 123  
DE BAKEY

14-124  
DE BAKEY  
150 mm



14-125  
DE BAKEY  
200 mm

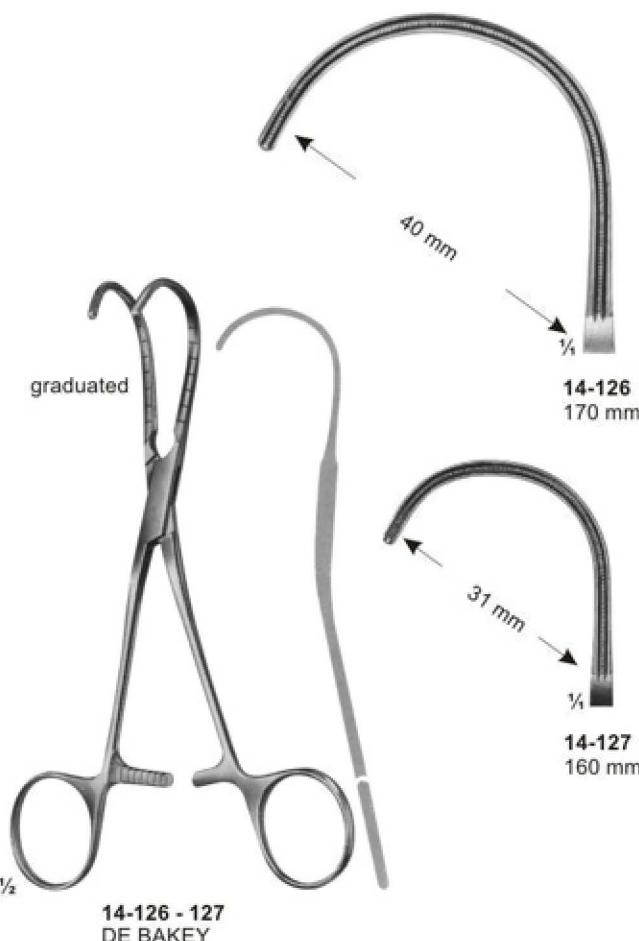


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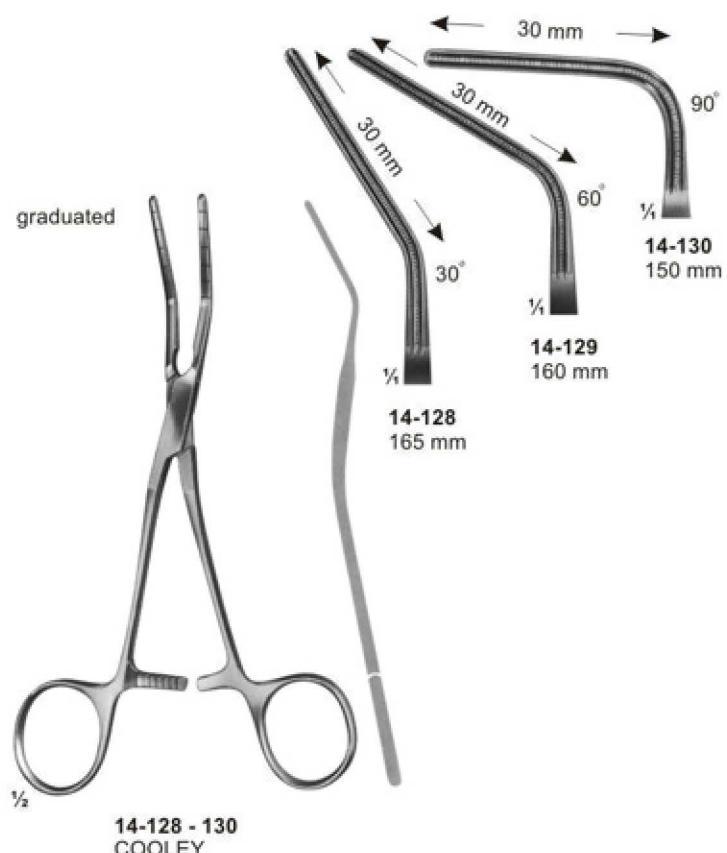
Manufacturers & Exporters of Surgical, Dental Instruments

## ATRAUMATA

### Anastomosis- and Multi- Purpose- Clamps- Pediatric types



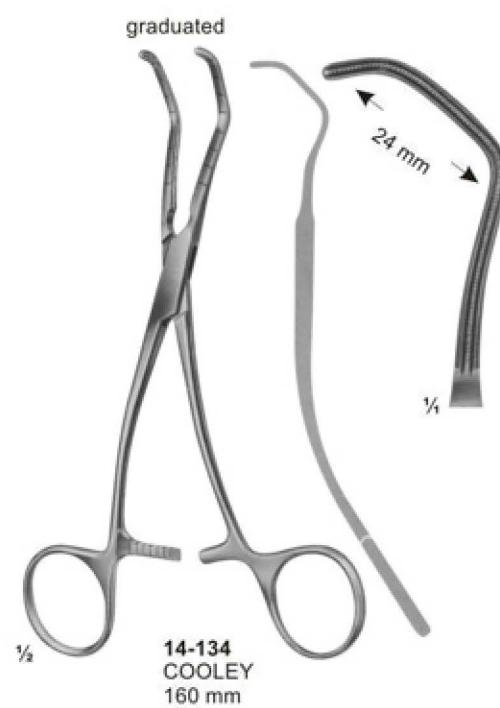
14-126 - 127  
DE BAKEY



14-128 - 130  
COOLEY



14-131 - 133  
DERRA



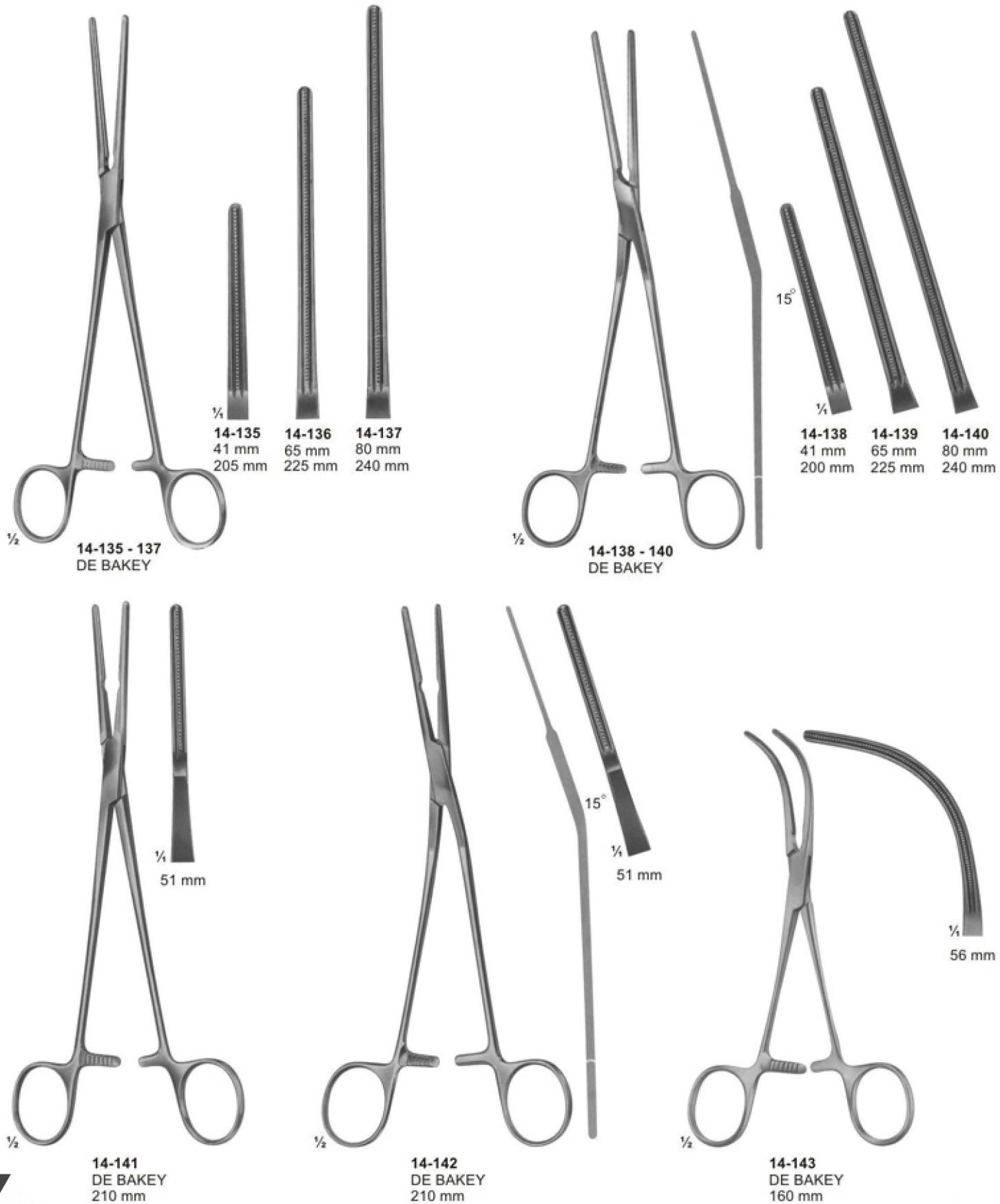


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## ATRAUMATA

### Coarctation Clamps, Patent-Ductus & Peripheral-Vascular Clamps





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## Aorta- Anastomosis Clamps



L  
14-144  
WEBER  
260 mm



R  
14-145  
WEBER  
260 mm

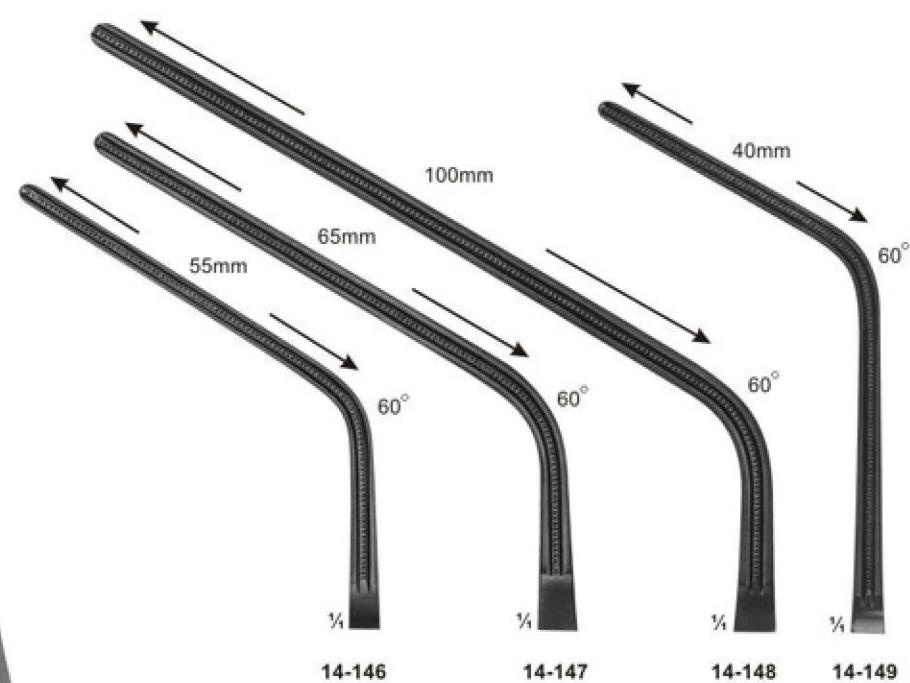


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## Multi-Purpose-Clamps



14-146 - 149  
DE BAKEY

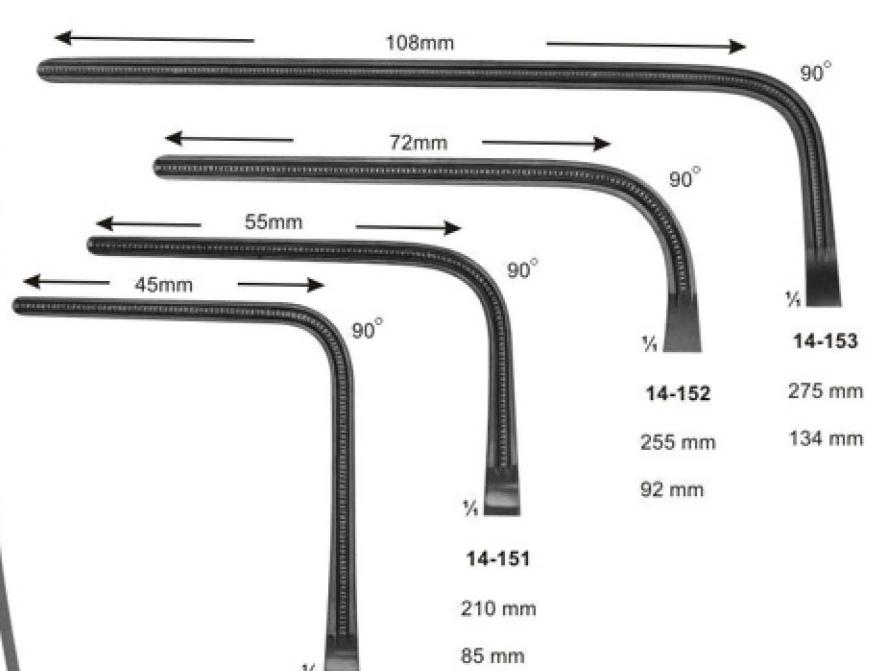


Total Length: 230 mm 280 mm 305 mm 240 mm

Length of jaws: 85 mm 100 mm 135 mm 93 mm



14-150 - 153  
DE BAKEY



Total Length: 225 mm

Length of jaws: 93 mm



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## Sternum Instruments and Rib Shears



14-154  
SCHUMACHER  
Sternum shears  
210 mm



14-155  
LEBSCHE  
Sternum chisel  
200 mm



14-157  
COLLIN  
195 mm

14-156  
230 mm



14-158  
GLUCK  
190 mm



14-159  
BETHUNE  
340 mm



14-160  
BRUNNER  
Universal pattern  
340 mm

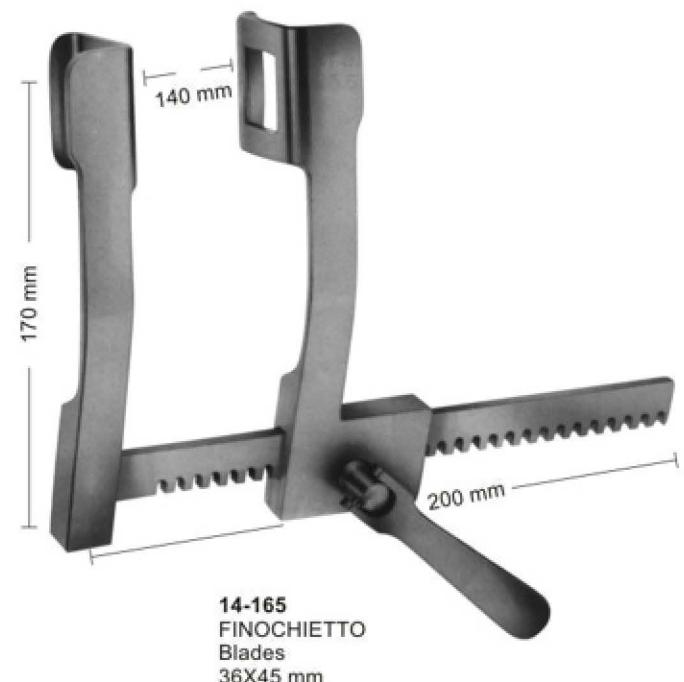
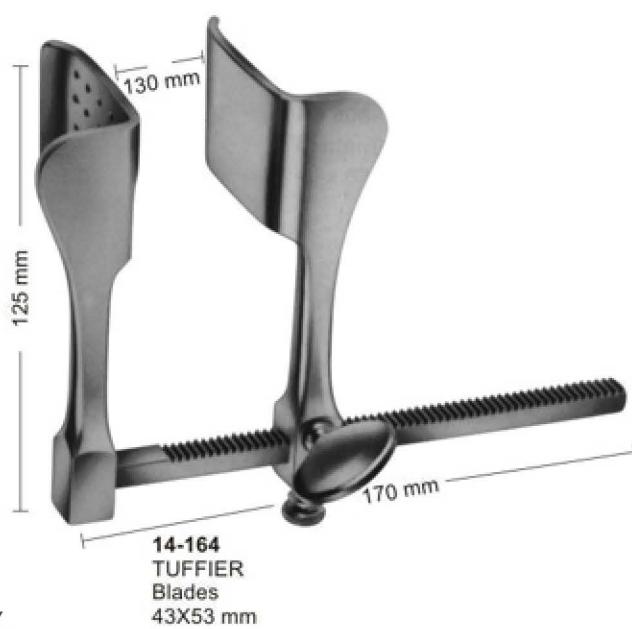
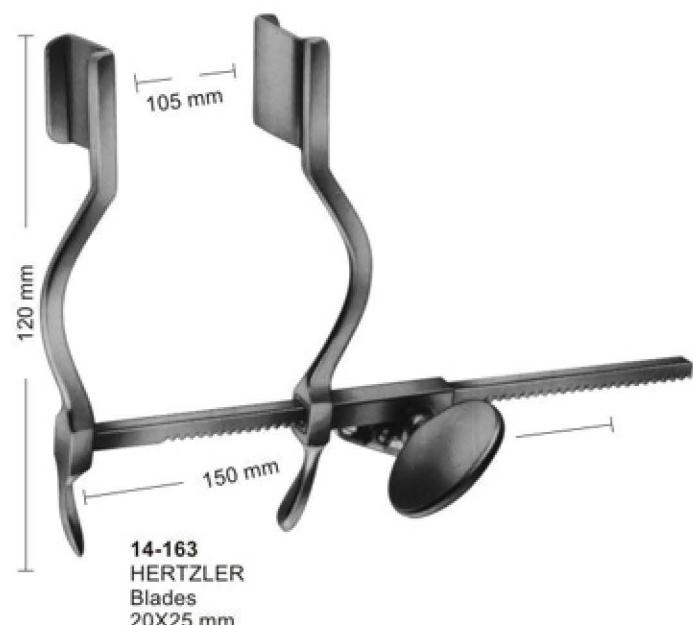
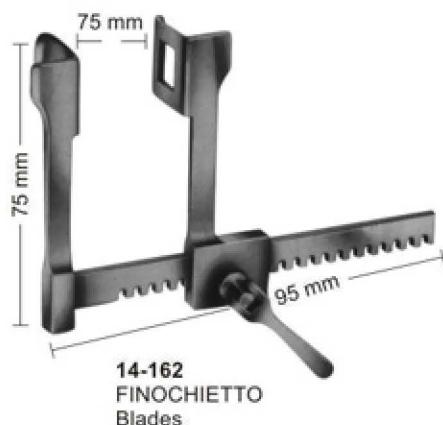


14-161  
GIERTZ-STILLE  
250 mm



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## Rib Spreaders



## Rib Spreaders-and Contractors



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14-166  
SELLORS  
Rib spreader-and contractor  
with swivel blades  
200 mm



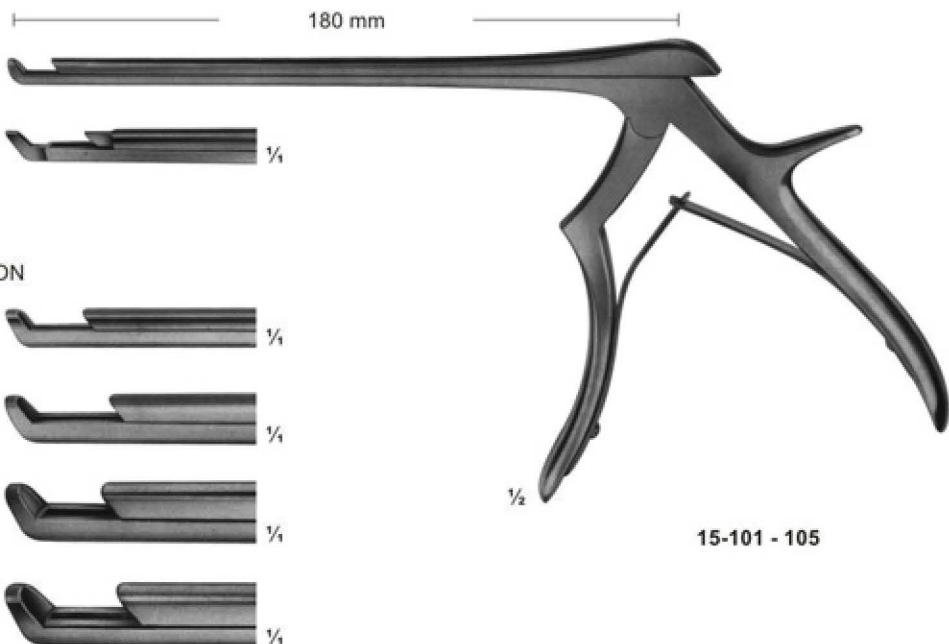
14-167  
BAILEY  
150 mm



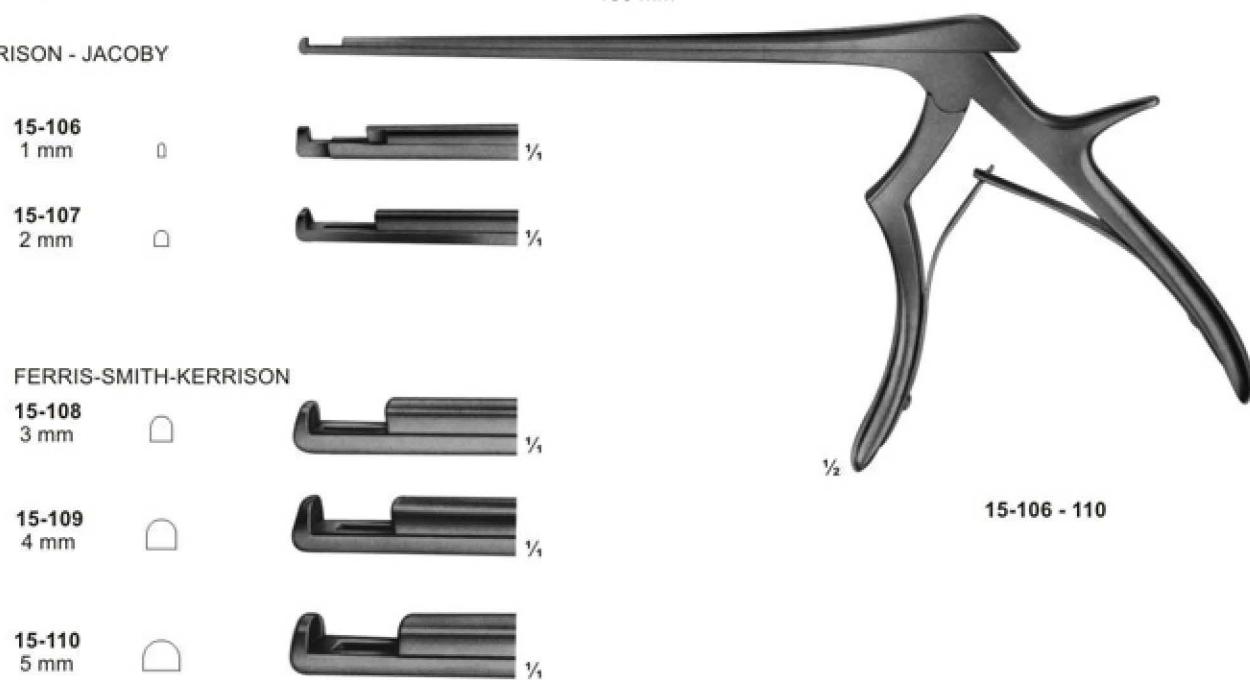
14-168  
for children      14-169  
for adults

## Punches

**130°** upwards cutting



**90°** upwards cutting





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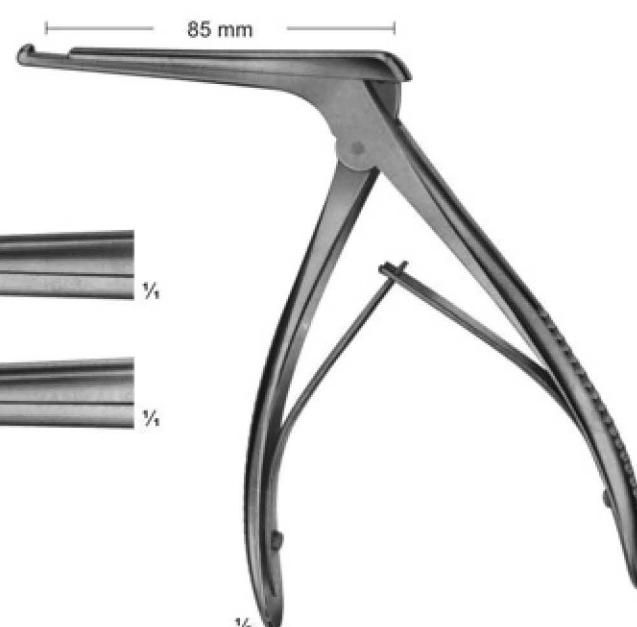
## Punches

**90°** upwards cutting

15-111  
4 mm



15-112  
5 mm



15-111 - 15-112  
KERRISON

**90°** upwards cutting

140 mm

15-113  
3.3 mm



15-114  
4.0 mm



15-113 - 15-114  
HAJEK-KOFLER



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## Rongeurs

LOVE-GRUENWALD

15-115  
2 X 10 mm

15-116  
3 X 10 mm

SPURLING  
15-117  
4 X 10 mm



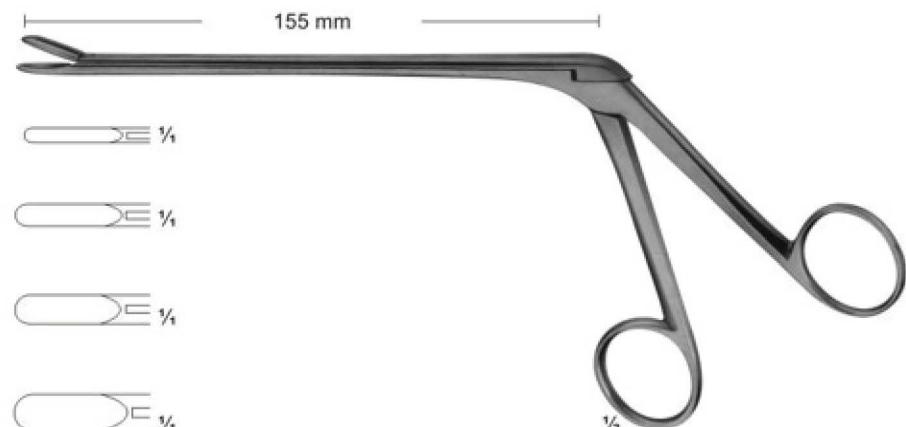
15-115 - 15-117

15-118  
2 mm

15-119  
3 mm

15-120  
4 mm

15-121  
5 mm



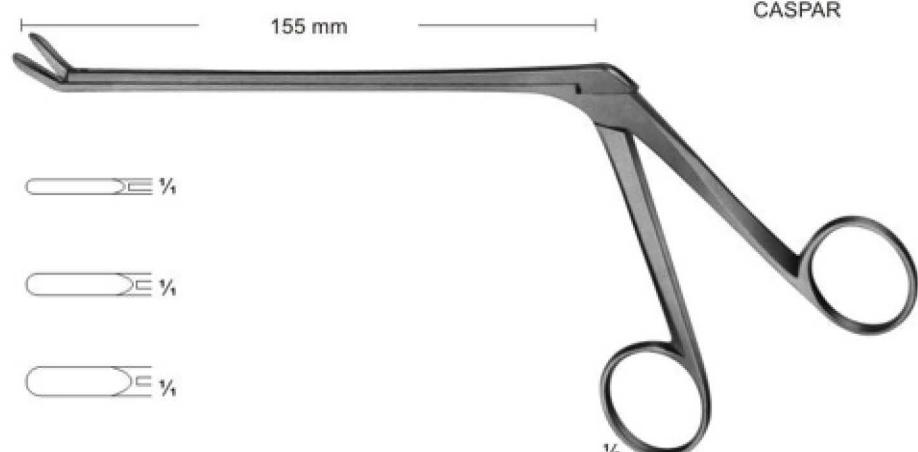
15-118 - 15-121  
CASPAR

150°

15-122  
2 mm

15-123  
3 mm

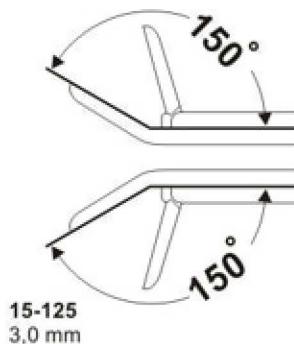
15-124  
4 mm



15-122 - 15-124  
CASPAR

## Rongeurs

Angled positions for rongeurs



15-125  
3,0 mm

15-126  
3,6 mm

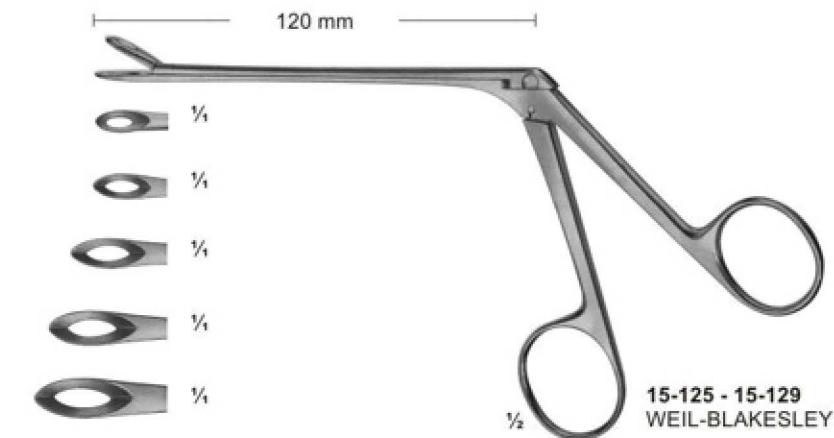
15-127  
4,2 mm

15-128  
4,8 mm

15-129  
5,8 mm



120 mm



15-125 - 15-129  
WEIL-BLAKESLEY

120 mm



120 mm



15-130  
TAKAHASHI  
3 mm

130°

15-131  
TAKAHASHI  
3 mm

## Rongeurs

**150°**

Lower part of jaws movable

15-132  
2 mm



15-133  
3 mm



15-134  
4 mm



15-132 - 15-134  
CASPAR

| Length of shaft<br>140 mm | Length of shaft<br>160 mm | Length of shaft<br>185 mm | size of jaws |
|---------------------------|---------------------------|---------------------------|--------------|
|---------------------------|---------------------------|---------------------------|--------------|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-135 | 15-140 | 15-145 | 2 X12 mm | 1/4 |
|--------|--------|--------|----------|-----|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-136 | 15-141 | 15-146 | 3 X12 mm | 1/4 |
|--------|--------|--------|----------|-----|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-137 | 15-142 | 15-147 | 4 X14 mm | 1/4 |
|--------|--------|--------|----------|-----|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-138 | 15-143 | 15-148 | 5 X14 mm | 1/2 |
|--------|--------|--------|----------|-----|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-139 | 15-144 | 15-149 | 6 X16 mm | 1/4 |
|--------|--------|--------|----------|-----|

15-135 - 15-149  
CASPAR

**150°**

| Length of shaft<br>140 mm | Length of shaft<br>160 mm | Length of shaft<br>185 mm | size of jaws |
|---------------------------|---------------------------|---------------------------|--------------|
|---------------------------|---------------------------|---------------------------|--------------|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-150 | 15-153 | 15-156 | 3 X12 mm | 1/4 |
|--------|--------|--------|----------|-----|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-151 | 15-154 | 15-157 | 4 X14 mm | 1/4 |
|--------|--------|--------|----------|-----|

|        |        |        |          |     |
|--------|--------|--------|----------|-----|
| 15-152 | 15-155 | 15-158 | 5 X14 mm | 1/2 |
|--------|--------|--------|----------|-----|



15-150 - 15-158  
CASPAR



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## Rongeurs

145 mm

15-159  
4 mm



Osteophyte Rongeur

180 mm

15-159  
CASPAR

15-160  
4 mm



Osteophyte Rongeur

200 mm

15-160  
CASPAR

15-161  
5.5 mm



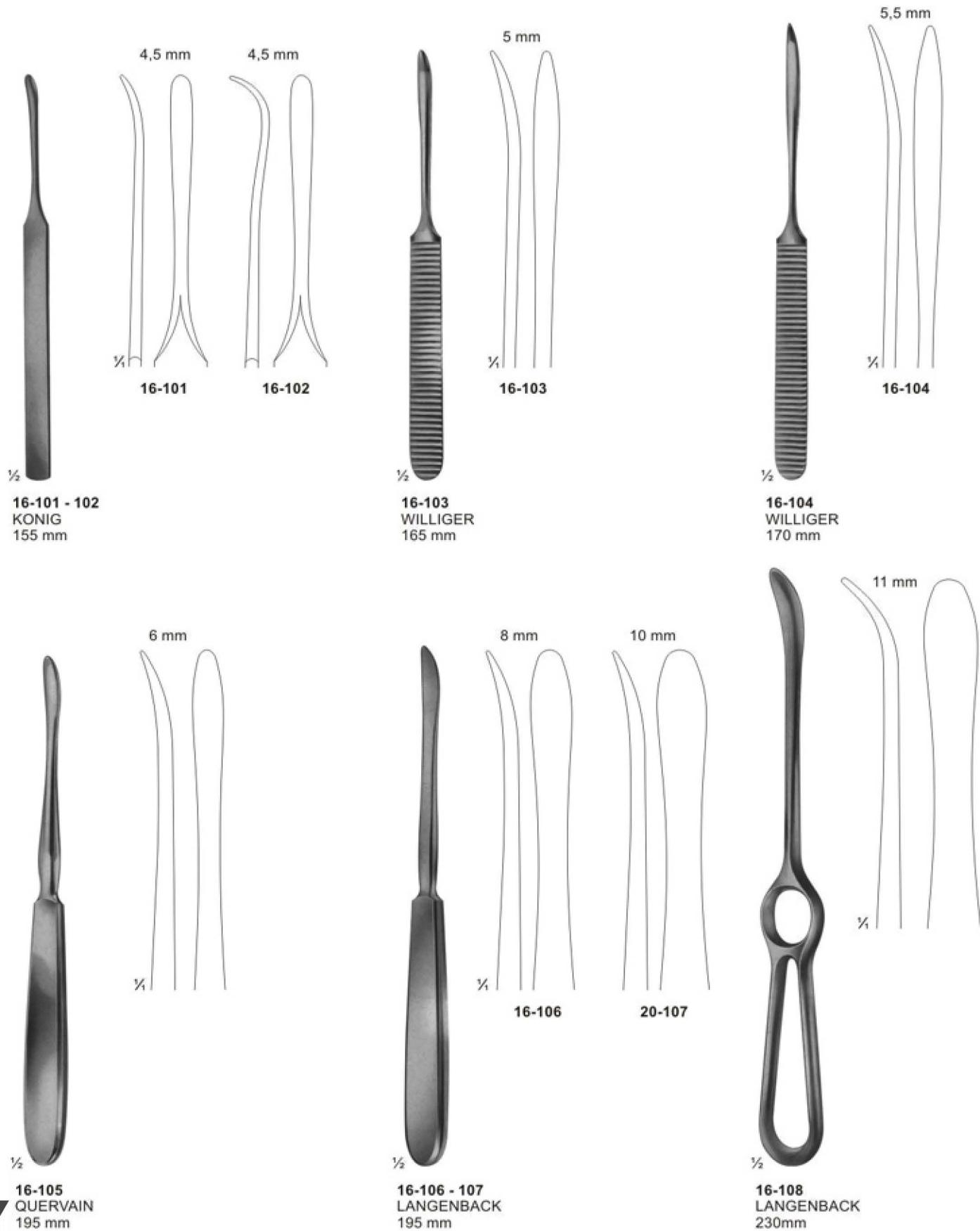
Very Heavy Pattern

15-161  
WAGNER



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## Elevators and Bone Levers





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## Bone Levers





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## Raspatories



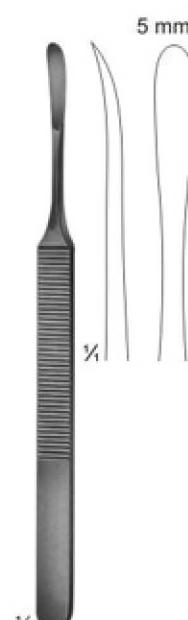
16-114  
PARTSCH  
150 mm



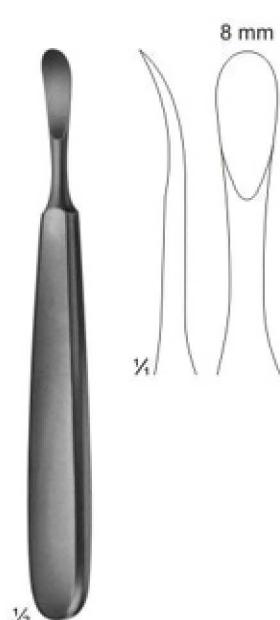
16-116  
PARTSCH mod. LANGE  
145 mm



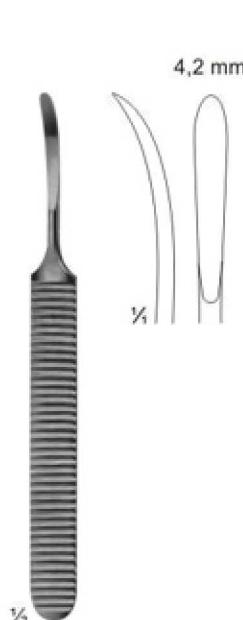
16-117  
MC KENTY  
155 mm



16-118  
KOENIG  
155 mm



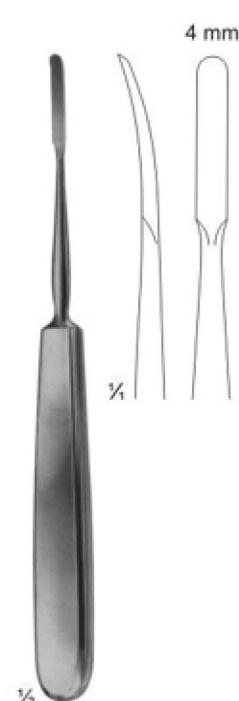
16-119  
TRELAT  
150 mm



16-120  
WILLIGER  
140 mm



16-121  
WILLIGER  
160 mm



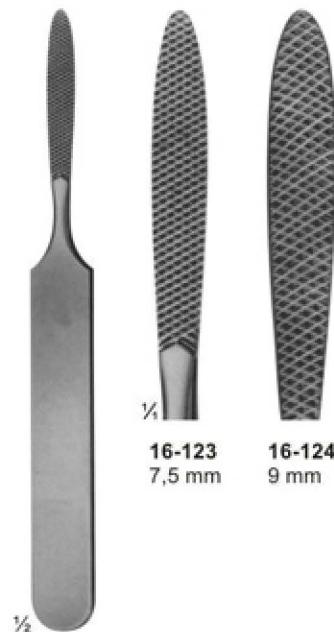
16-122  
JOSEPH  
170 mm



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## Bone File and Rasps

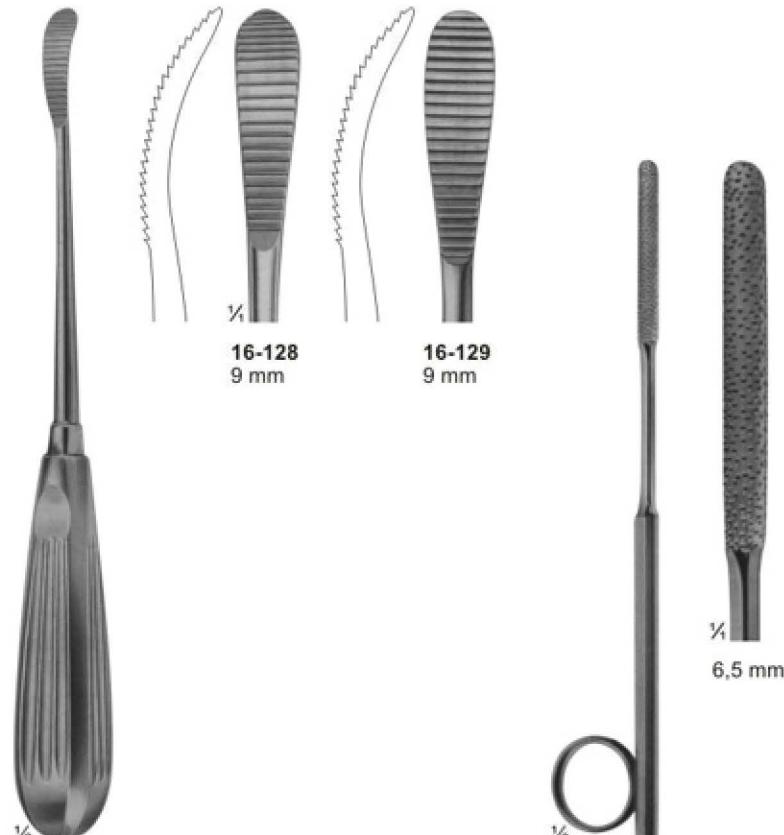


16-123  
JOSEPH  
fine, chequered

16-124  
coarse, chequered  
165 mm



16-127  
MALTZ  
down stroke  
180 mm

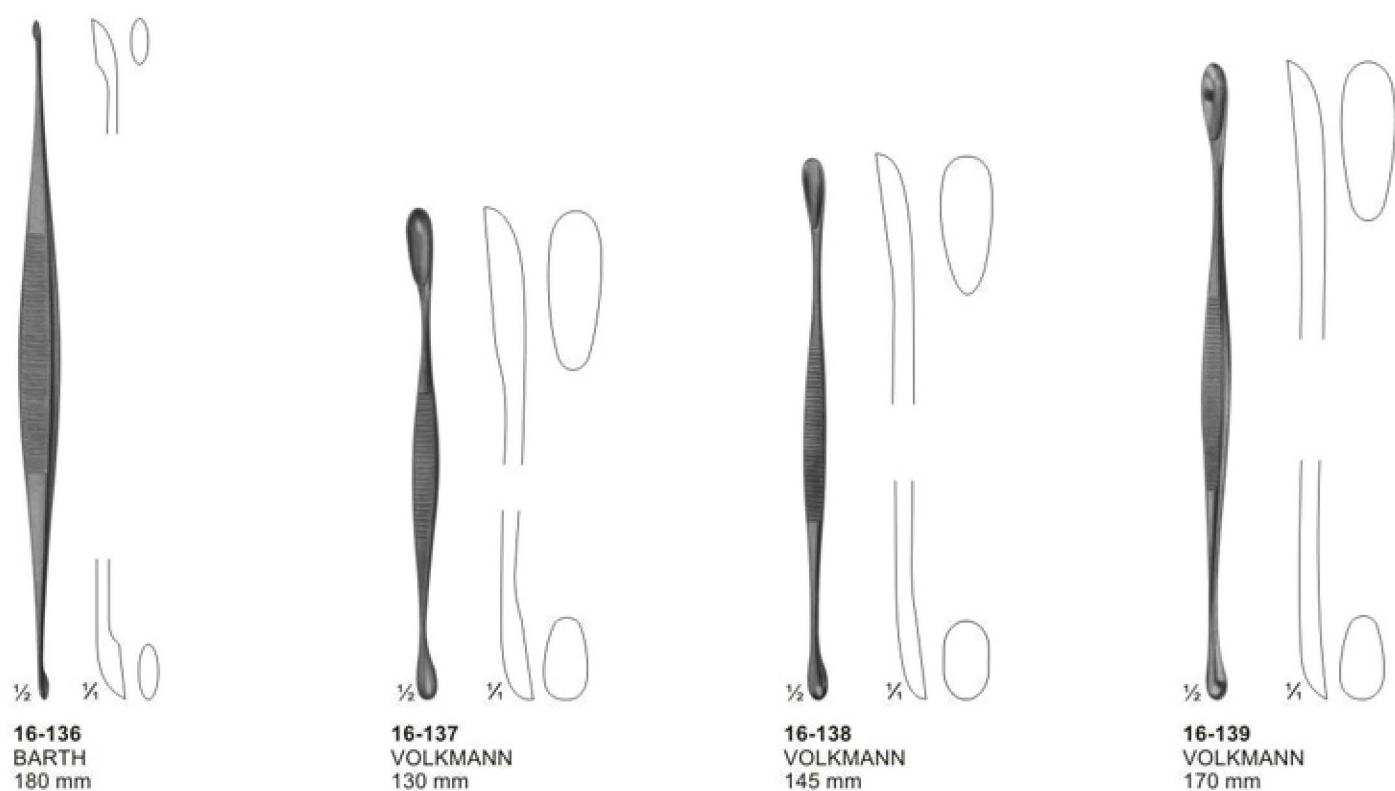
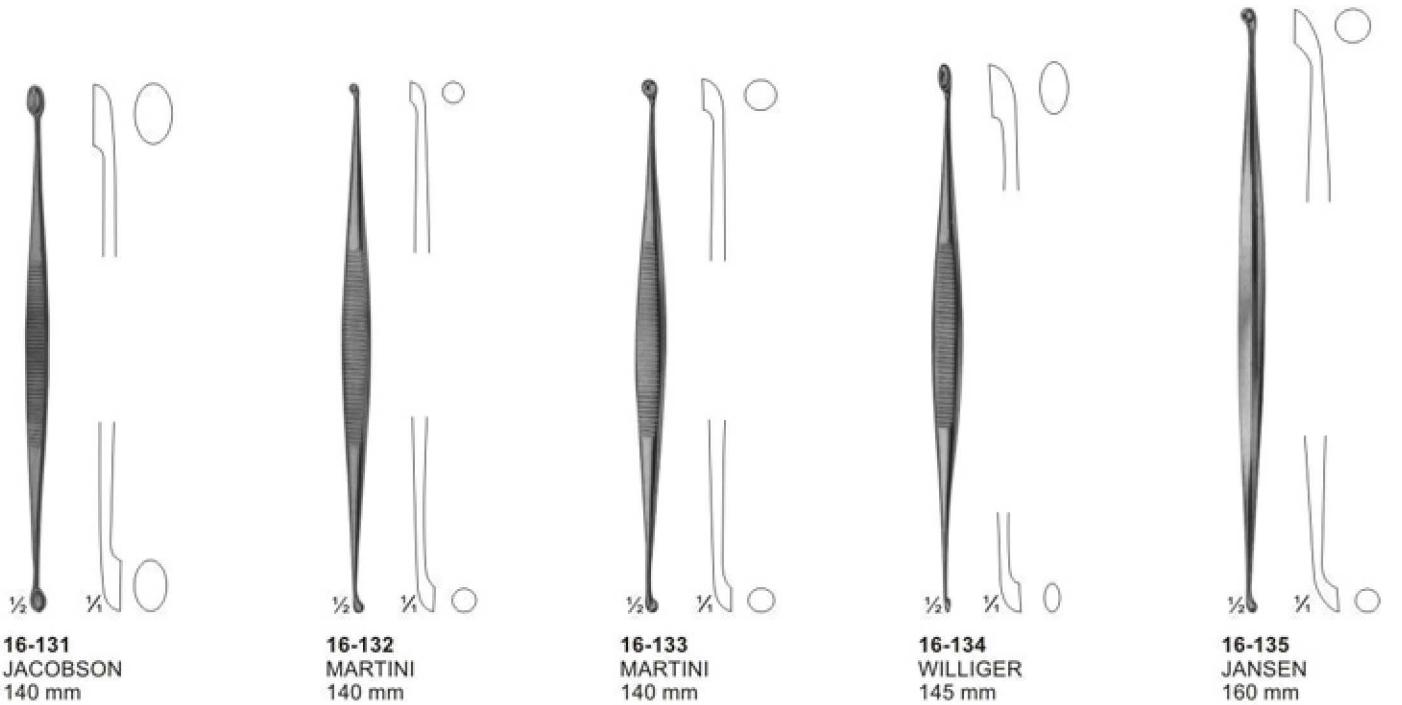


16-128 - 16-129  
AUFRICHT  
up stroke  
16-129  
down stroke  
220 mm



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## Bone Curettes



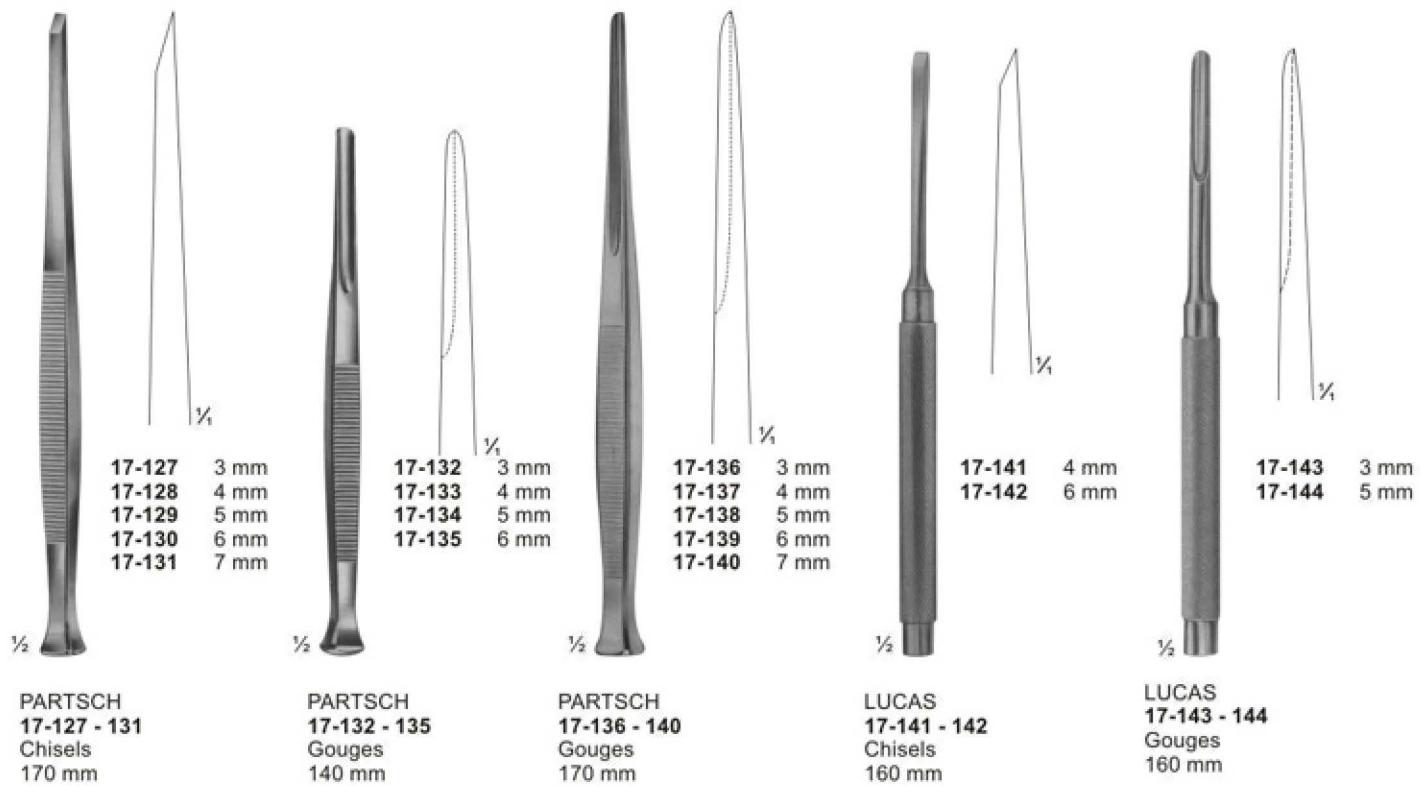
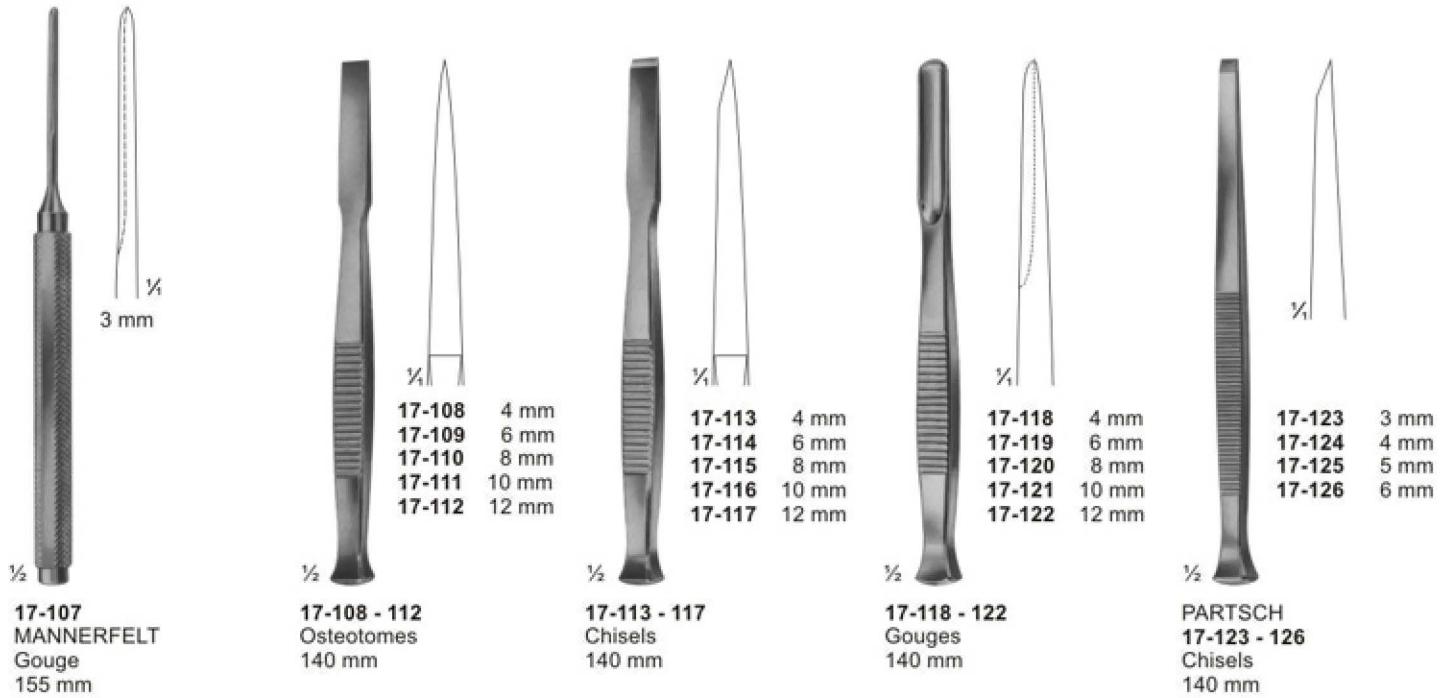
**Mallets** Weights refer to the heads of the mallets  
**Hammer** Die Gewichtsangaben beziehen sich auf  
den Kopf des jeweiligen Hammers





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## Osteotomes, Chisels and Gouges

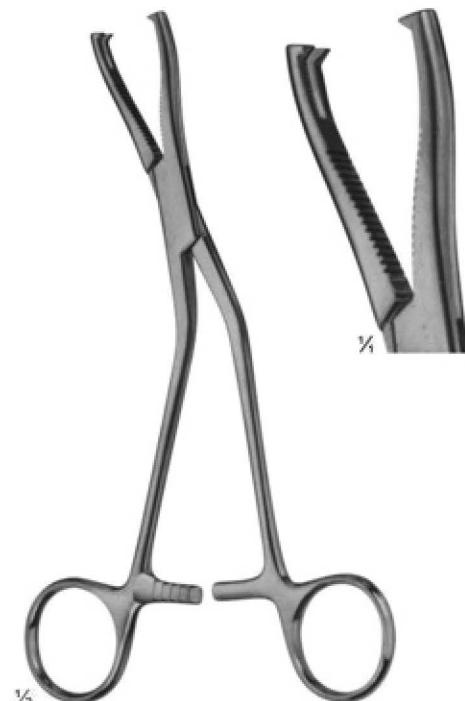




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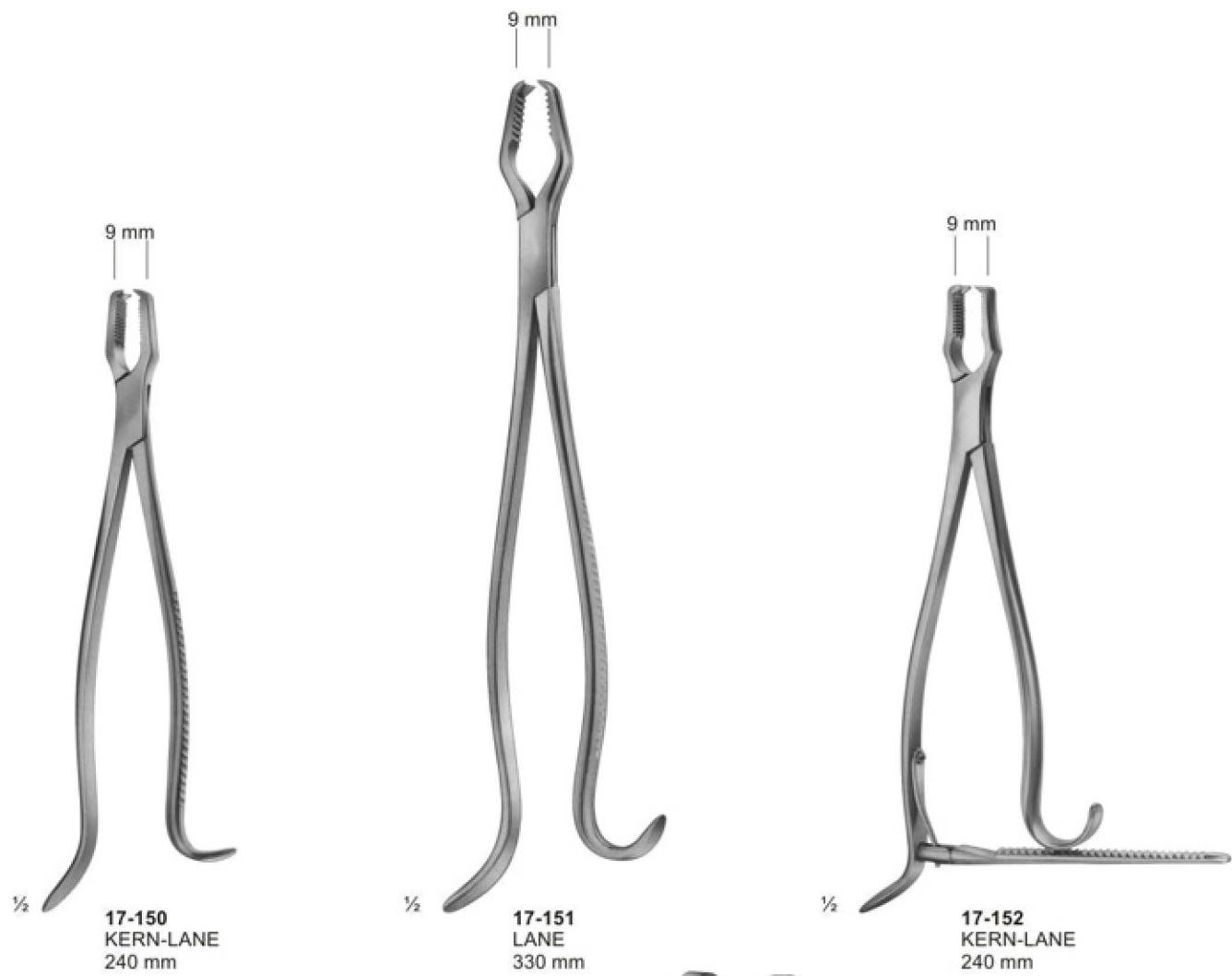
## Reposition Forceps, Bone Holding Forceps





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## Bone Holding Forceps & Bone Clamps



17-153



17-154 - 155  
LOWMAN  
17-154 170 mm  
17-155 205 mm



17-156  
LOWMAN-GERSTER  
210 mm

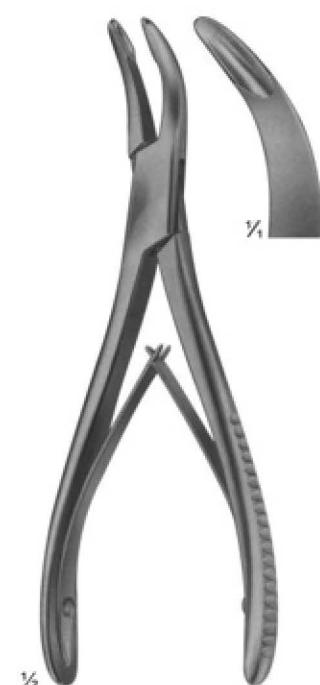
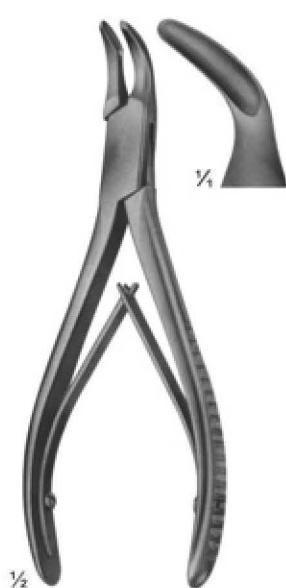
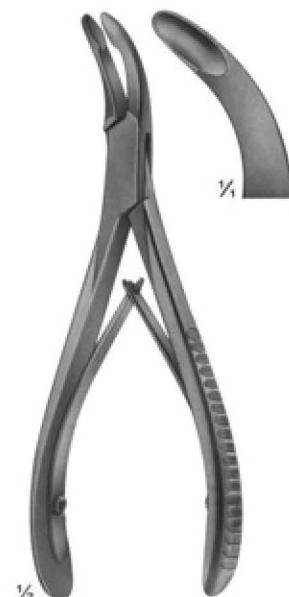


17-157  
LOWMAN-HOGLUND  
175 mm



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## Bone Rongeurs

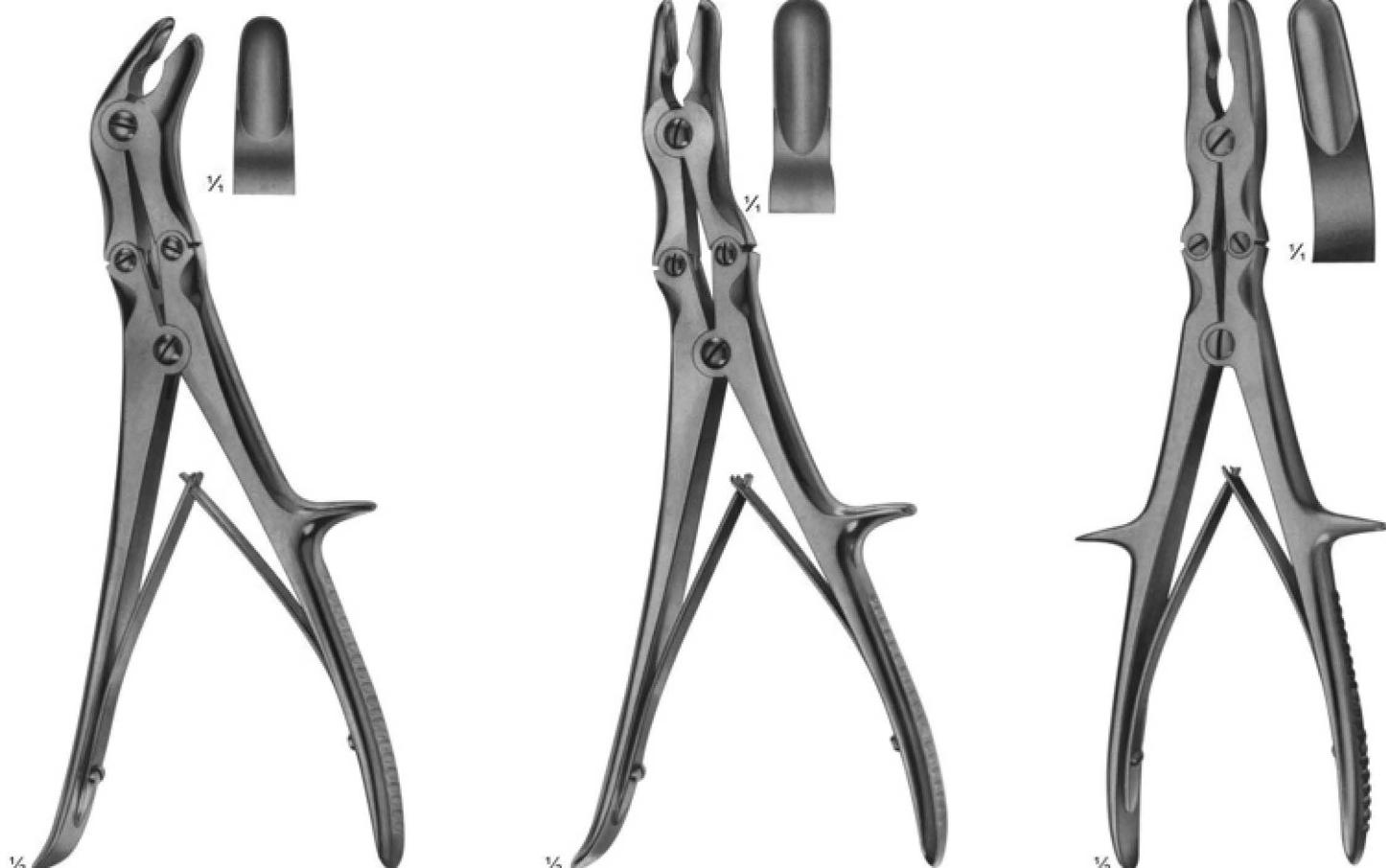




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## Bone Rongeurs



17-165  
STILLE  
235 mm

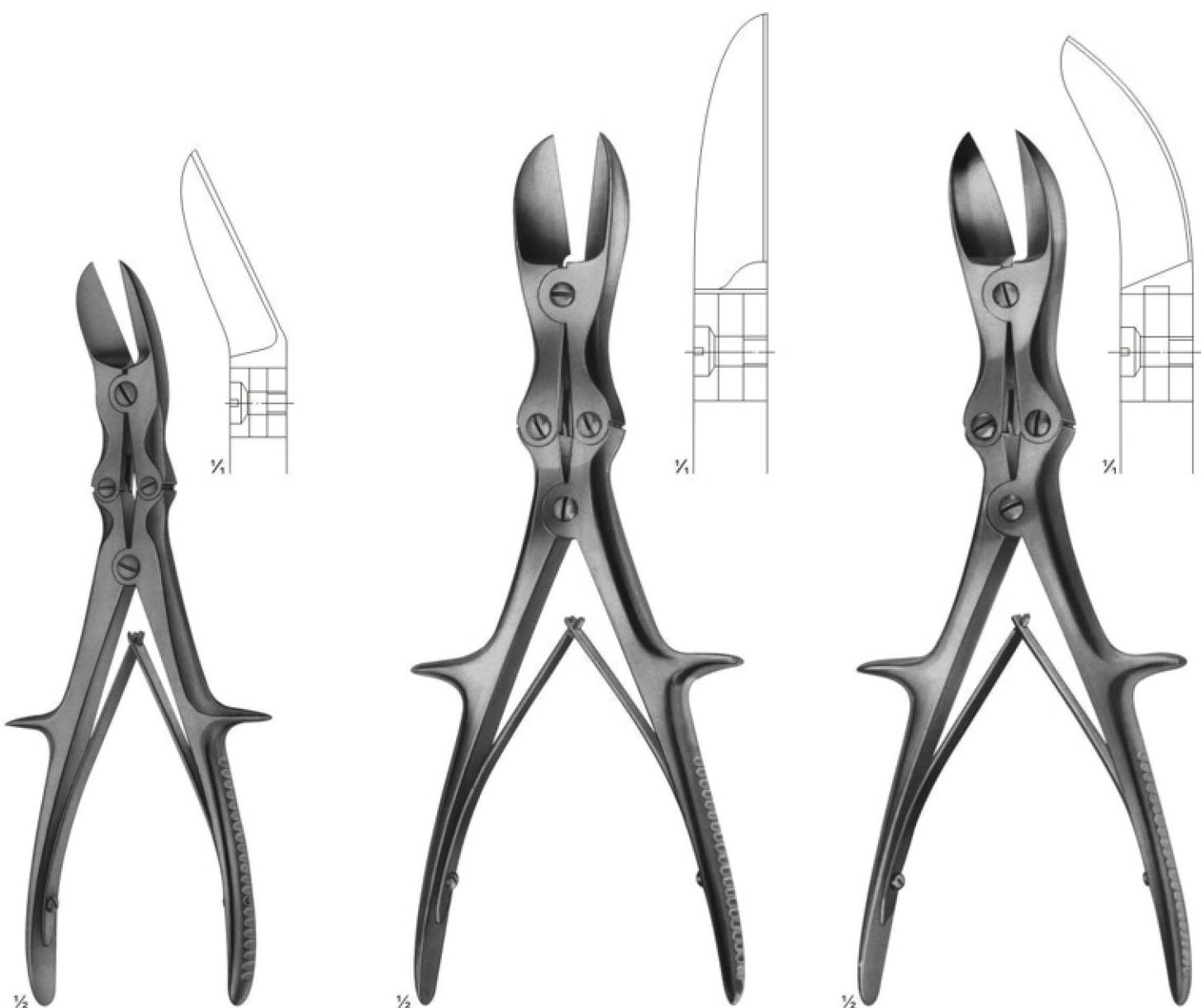
17-166  
LEKSELL-STILLE  
240mm

17-167  
STILLE-RUSKIN  
240mm



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## Bone Cutting Forceps



17-168  
LISTON  
curved on flat  
240 mm

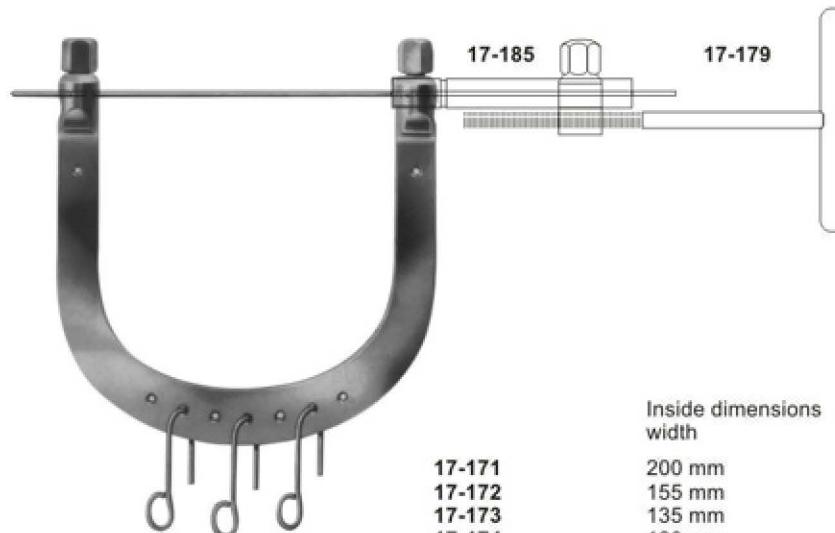
17-169  
LISTON  
straight  
280 mm

17-170  
LISTON  
curved on flat  
280 mm



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## Wire Extension



**17-171 - 17-177**  
**KIRSCHNER**  
Wire traction bows,  
to be used with  
KIRSCHNER-wires  
up to 2.5 mm diam.,  
With 3 hooks,  
stainless steel

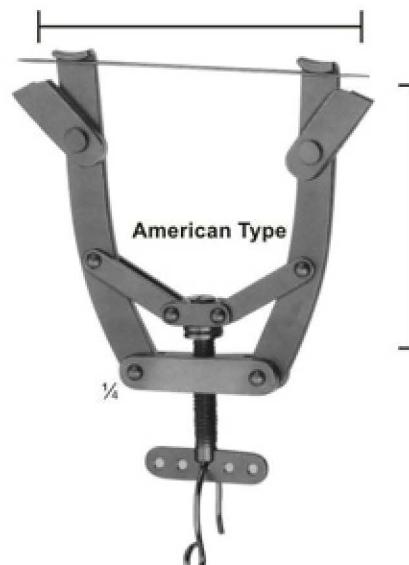
|        | Inside dimensions<br>width | depth  |                       |
|--------|----------------------------|--------|-----------------------|
| 17-171 | 200 mm                     | 155 mm | for the hip           |
| 17-172 | 155 mm                     | 155 mm | for the femur         |
| 17-173 | 135 mm                     | 130 mm | for the knee          |
| 17-174 | 120 mm                     | 120 mm | for the knee          |
| 17-175 | 105 mm                     | 100 mm | for the knee          |
| 17-176 | 95 mm                      | 110 mm | for the calcaneus     |
| 17-177 | 95 mm                      | 70 mm  | for the arm and elbow |



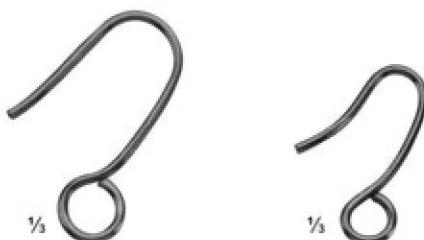
**17-178**  
Wrench, double - ended,  
for wire traction bows



**17-179**  
Wire tightener, with  
clamping jaws



|           |             |
|-----------|-------------|
| 17-182    | max. 105 mm |
| 17-183    | max. 160 mm |
| 17-184    | max. 200 mm |
| 17-182    | 80-95 mm    |
| 17-183    | 90-120 mm   |
| 17-184    | 140-170 mm  |
| diam upto |             |
| 17-182    | 1,6 mm      |
| 17-183    | 2,0 mm      |
| 17-184    | 2,5 mm      |



**17-180**  
Traction hook only,  
large size

**17-181**  
Traction hook only,  
small size

**17-182 - 17-184**  
**KIRSCHNER**  
Wire traction bows, modified,  
adjustable in width, holds wire  
securely, with 1 hook

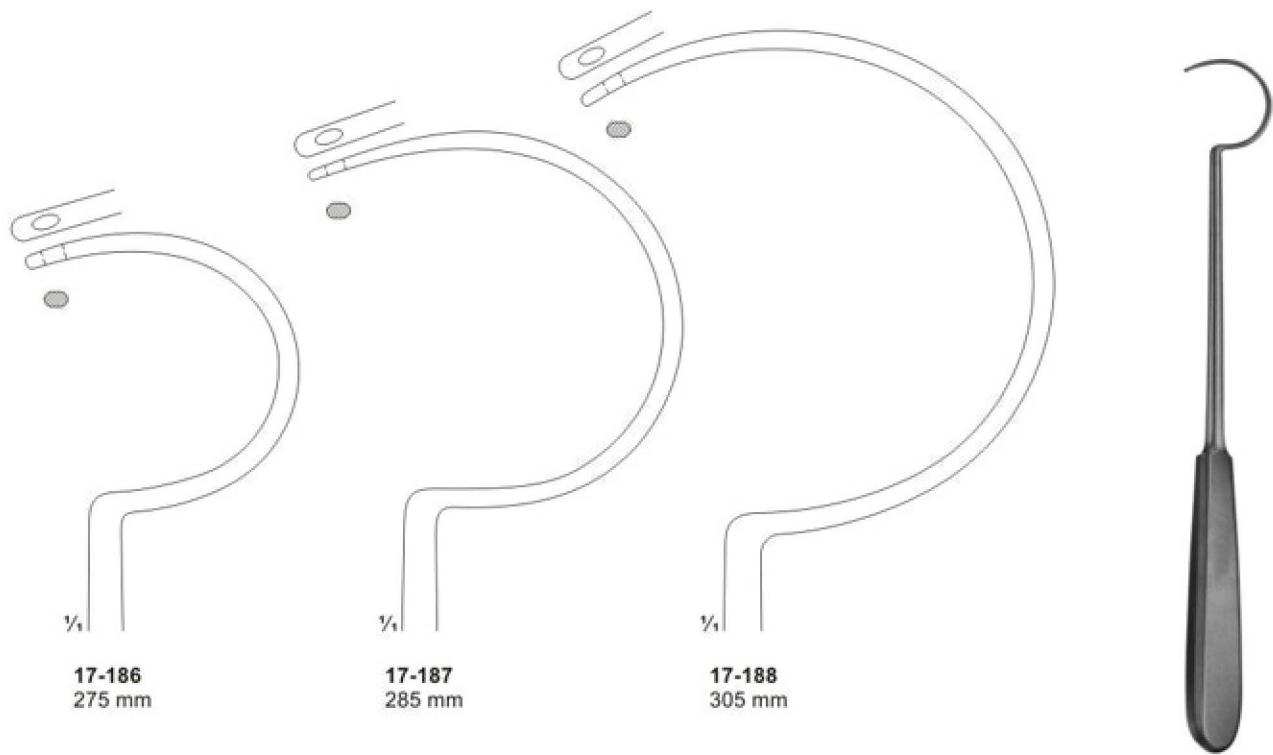


**17-185**  
Fixation clamp, to secure clamping  
jaws of **17-179** stainless steel

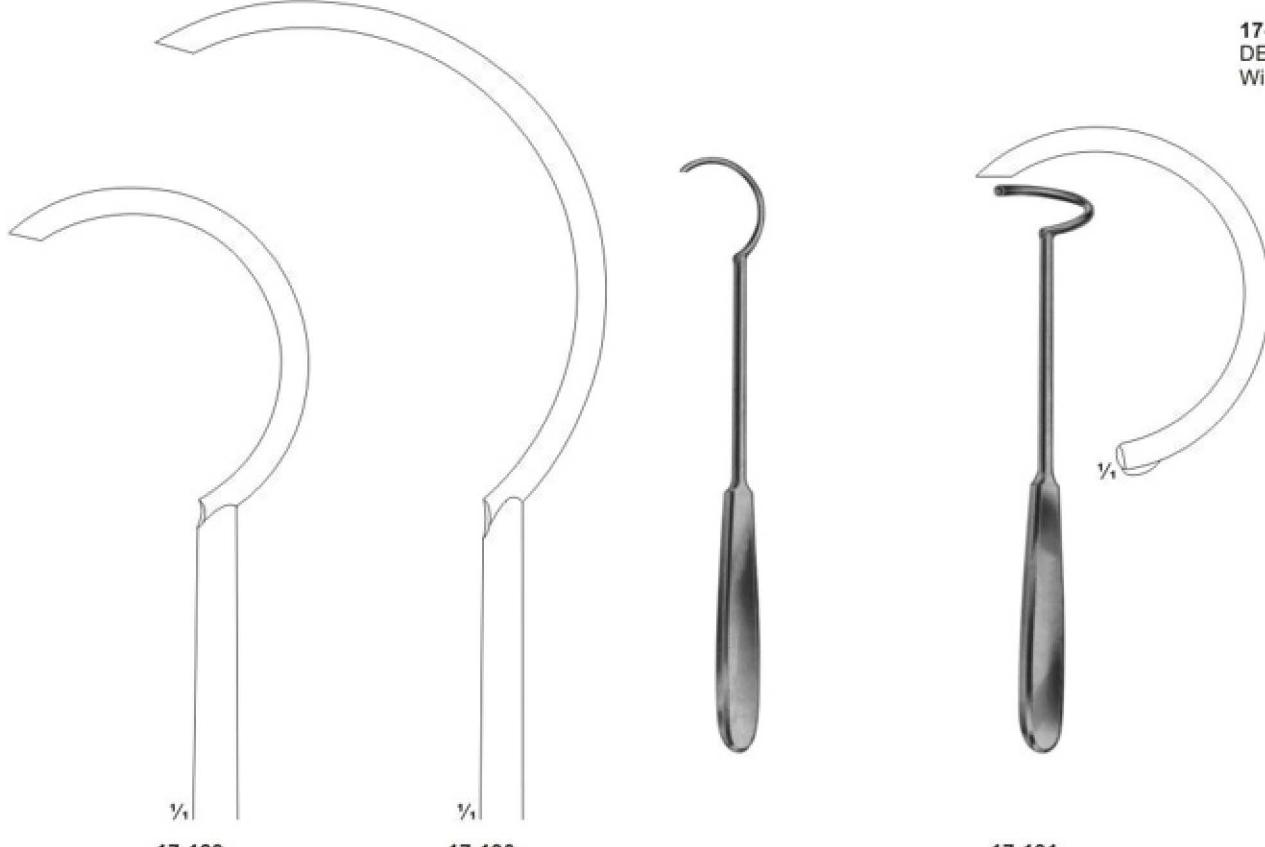


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## Cerclage Instruments



17-186 - 17-188  
DEMEL  
Wire guides



## Wire Holding forceps, Wire Tightening Pliers, Flat-nosed Pliers DUROGRIP with Hard Metal Inserts



**17-192**  
DUROGRIP  
Holding forceps for cerclage  
wire, with lateral jaws to avoid  
wire slipping off  
170 mm



**17-193**  
DUROGRIP  
Wire, tightening pliers,  
Ligature pliers  
150 mm



**17-194**  
DUROGRIP  
Wire, tightening pliers,  
Ligature pliers  
150 mm



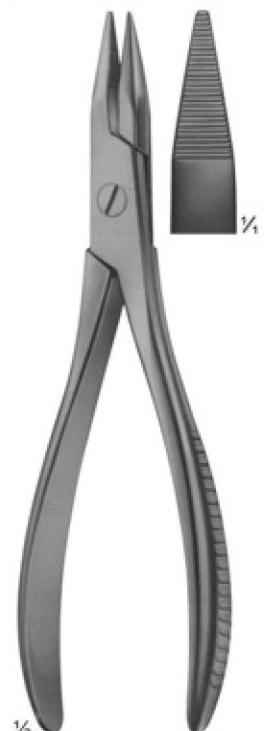
**17-195**  
with serrated jaws  
140 mm



**17-196**  
one jaw smooth,  
one jaw serrated  
140 mm



**17-197**  
with serrated jaws  
**17-198**  
with longitudinal and  
transversal grooves  
170 mm

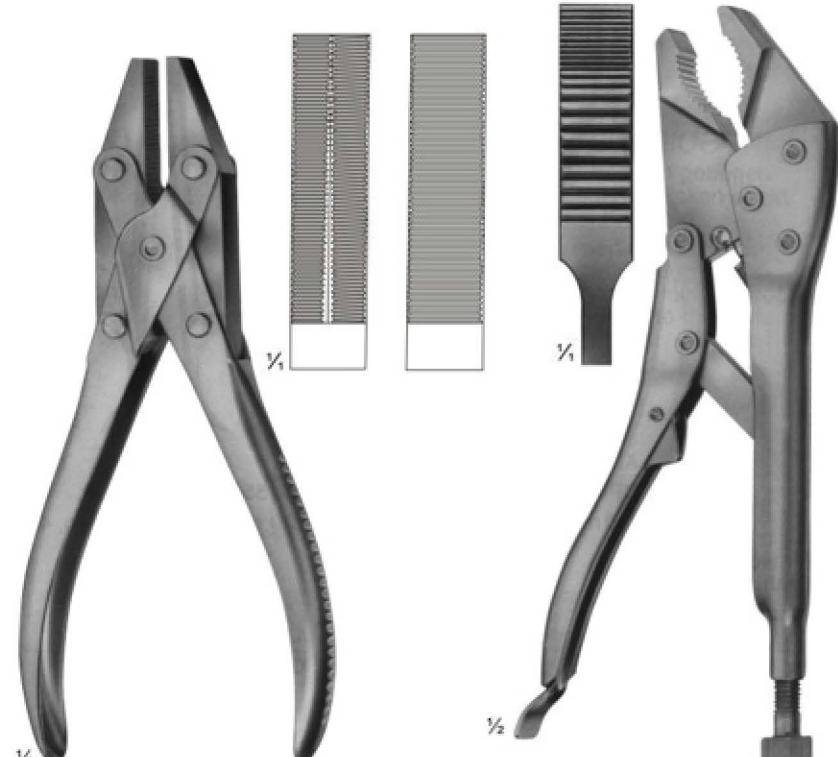


**17-199**  
190 mm

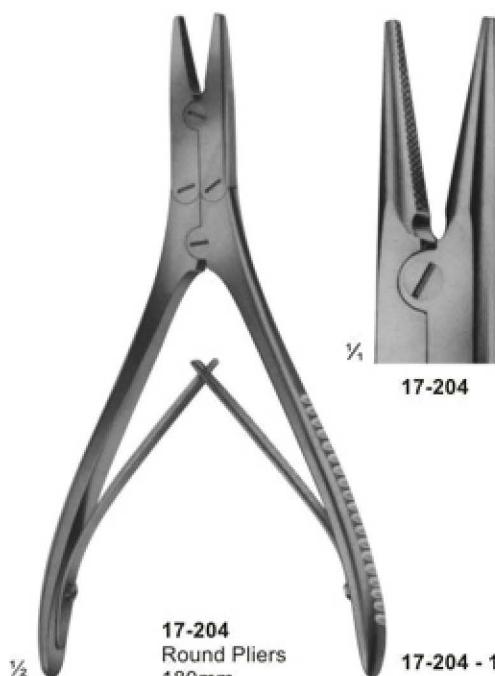
## Wire Holding forceps, Flat-nosed Pliers, Pliers for bending and cutting wires



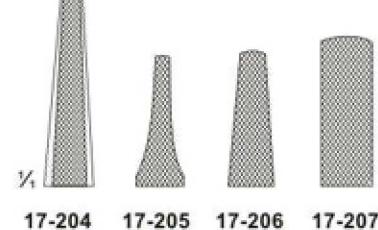
17-200 - 17-201  
Extraction pliers  
for boring wires



17-202  
Flat-nosed pliers,  
parallel  
185 mm



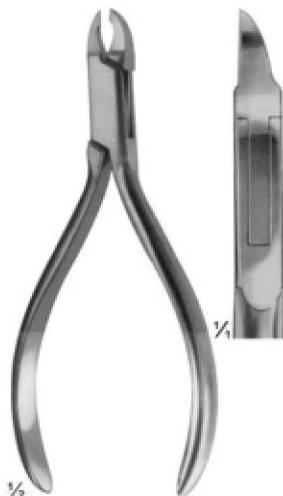
17-204 - 17-207



17-205 145 mm  
17-206 180 mm  
17-207 180 mm  
Extraction pliers for wires



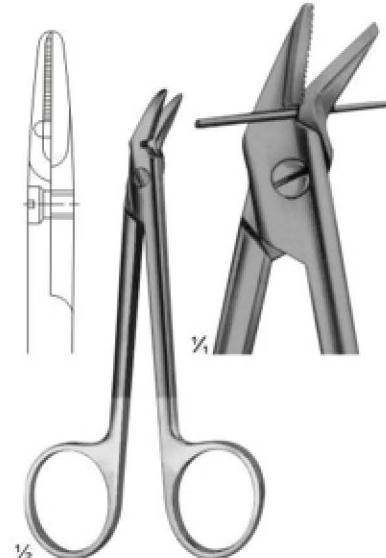
## Wire Cutters and wire Cutting Scissors DUROTIP with Carbide Cutting Edges



for soft wire  
up to diam.  
for hard wire  
up to diam.

0,5 mm  
0,3 mm

0,6 mm  
0,4 mm

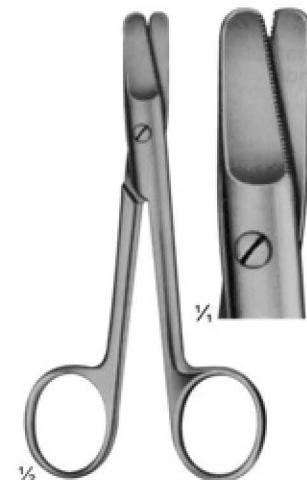


for soft wire  
up to diam.  
for hard wire  
up to diam.

1,2 mm  
0,8 mm

1,2 mm  
0,8 mm

0,4 mm  
0,3 mm



for soft wire  
up to diam.  
for hard wire  
up to diam.

1,5 mm  
1,0 mm



1,5 mm  
1,2 mm

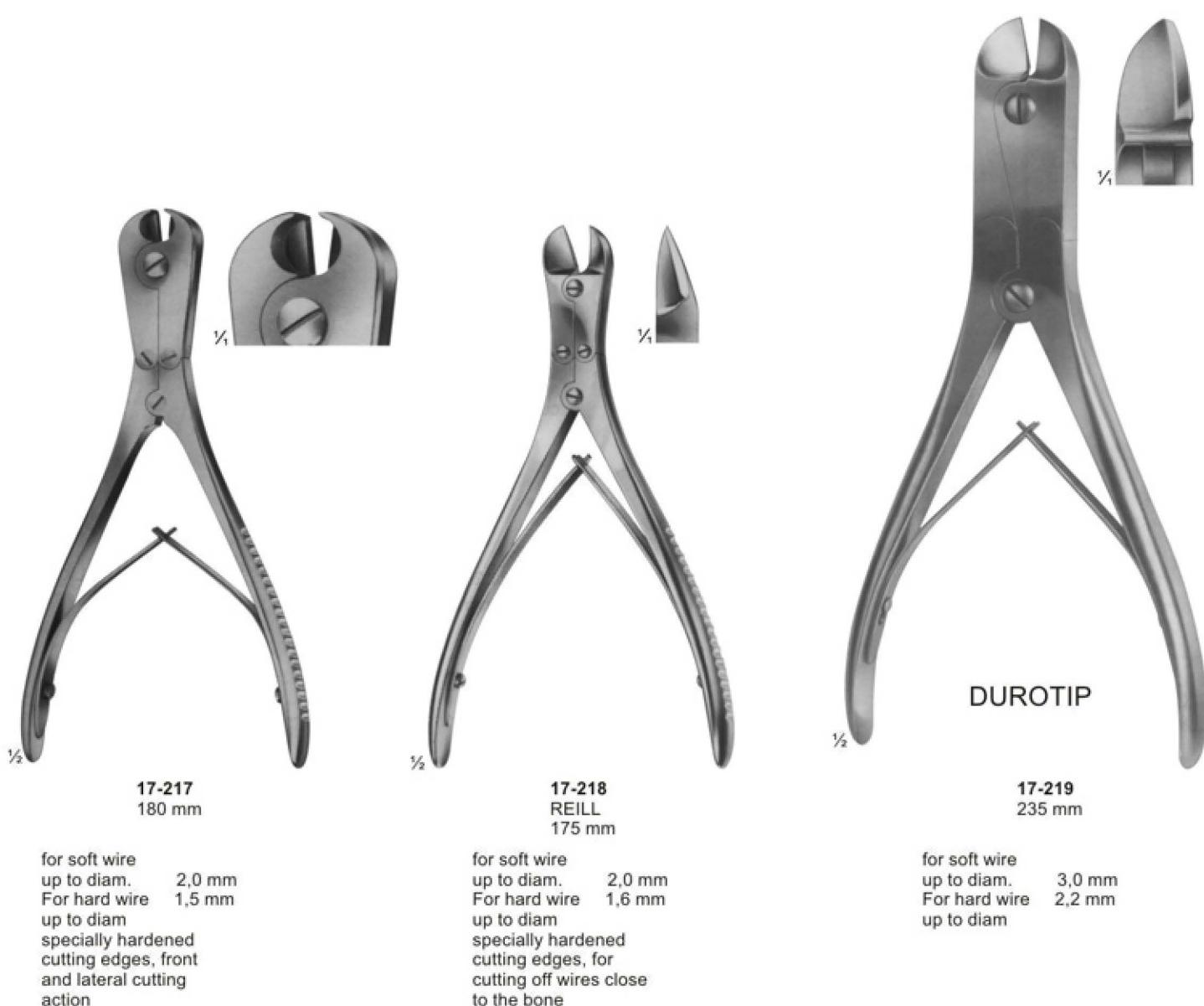


1,0 mm

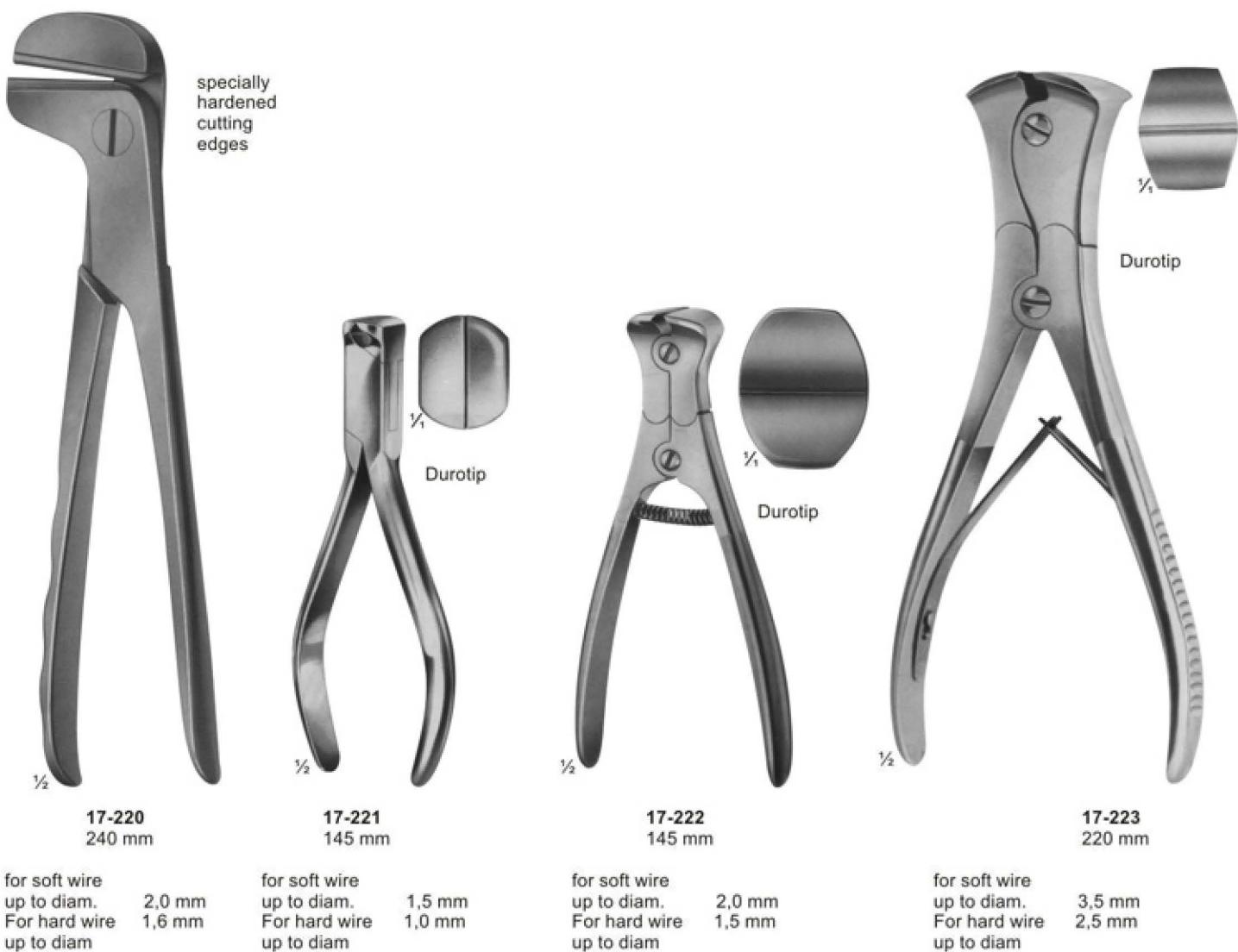


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Manufacturers & Exporters of Surgical, Dental Instruments

## Wire Cutting Pliers, Lateral Cutting Action



## Wire Cutting Pliers, Lateral and Front Cutting Action





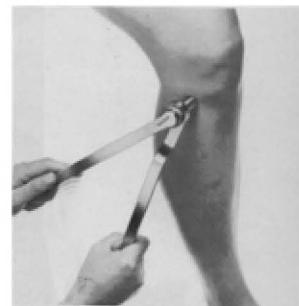
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## Wire Cutting Pliers



17-224  
320 mm

for soft wire  
up to diam.  
3.0 mm  
For hard wire  
up to diam.  
3.0 mm



Cutter for cutting off  
KIRSCHNER wires,  
Tibia head screws,  
bolts, pins, up to 3 mm diam.



DUROTIP

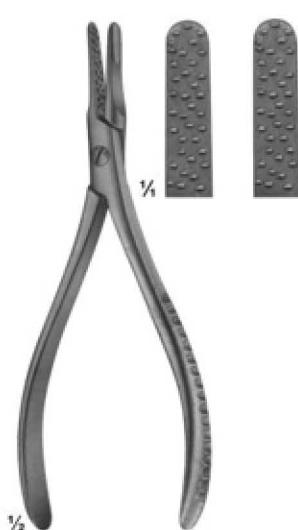
17-225  
Cutter for cutting off  
KIRSCHNER wires,  
Tibia head screws,  
bolts, pins, up to 6 mm diam.  
470 mm



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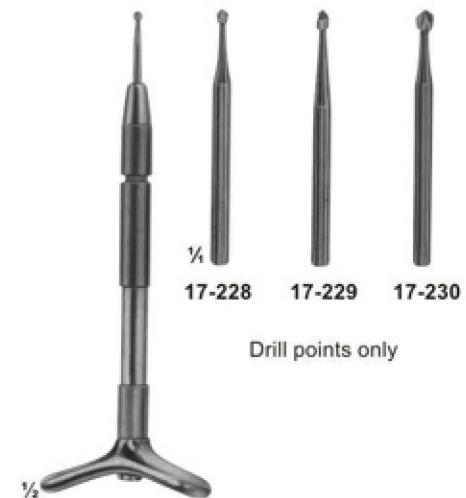
## Finger Nail Instruments



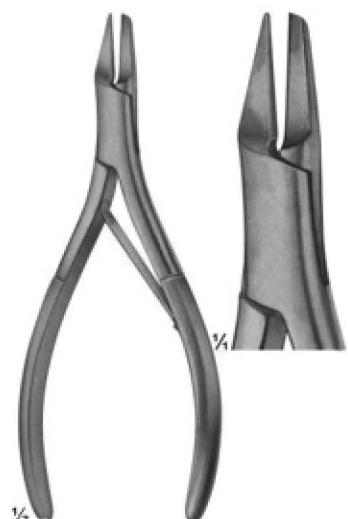
**17-226**  
Nail extracting  
forceps  
135 mm



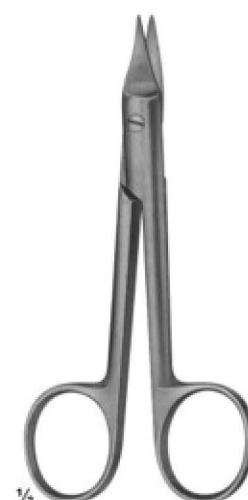
**17-227**  
Nail extracting  
forceps  
145 mm



Drill points only



**17-231**  
Nail splitting  
forceps  
135 mm



**17-232**  
SYSTRUNK  
Scissors, for splitting  
finger nails  
130 mm



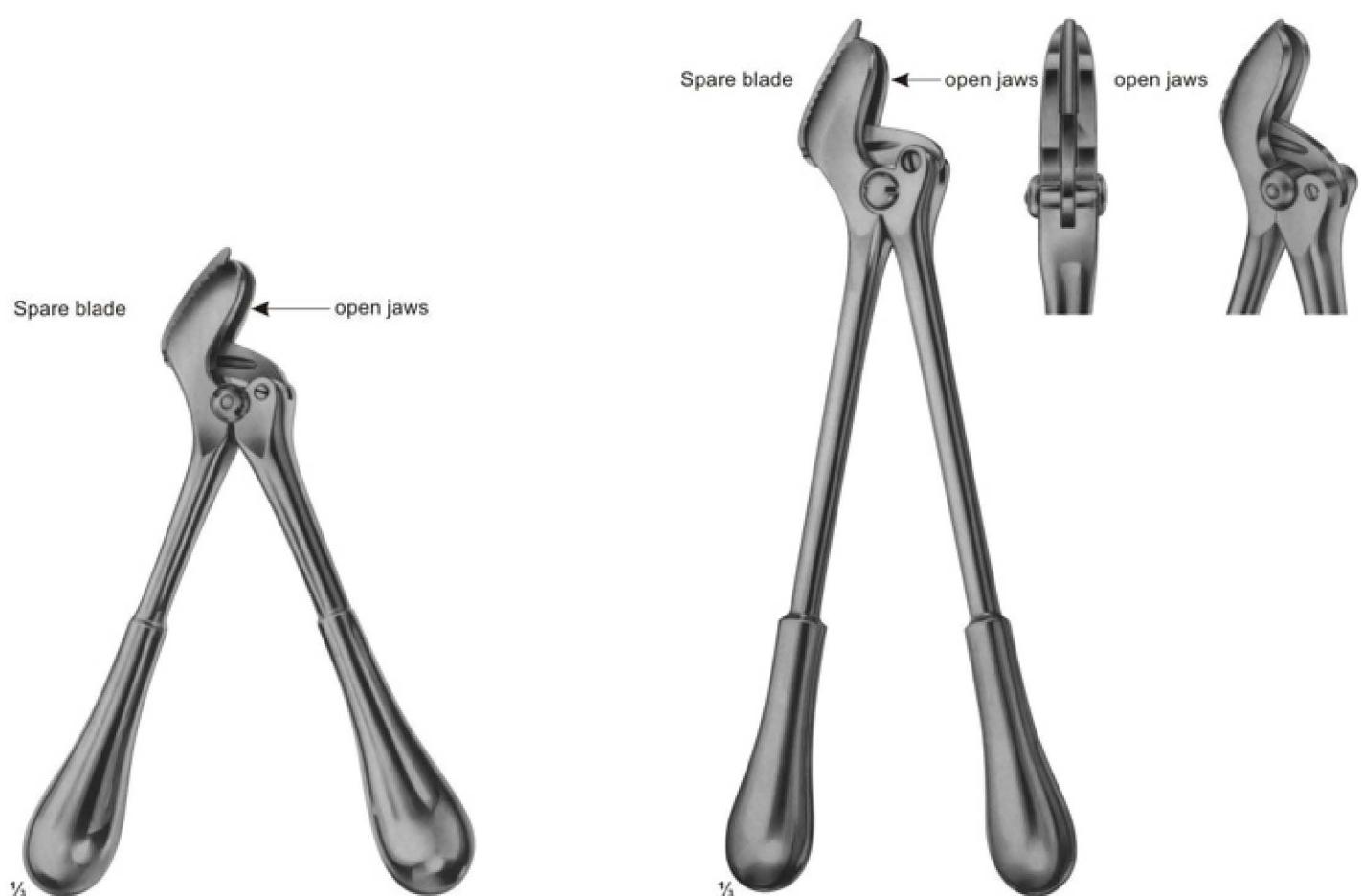
Spare blade  
**17-234**



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## Plaster Shears



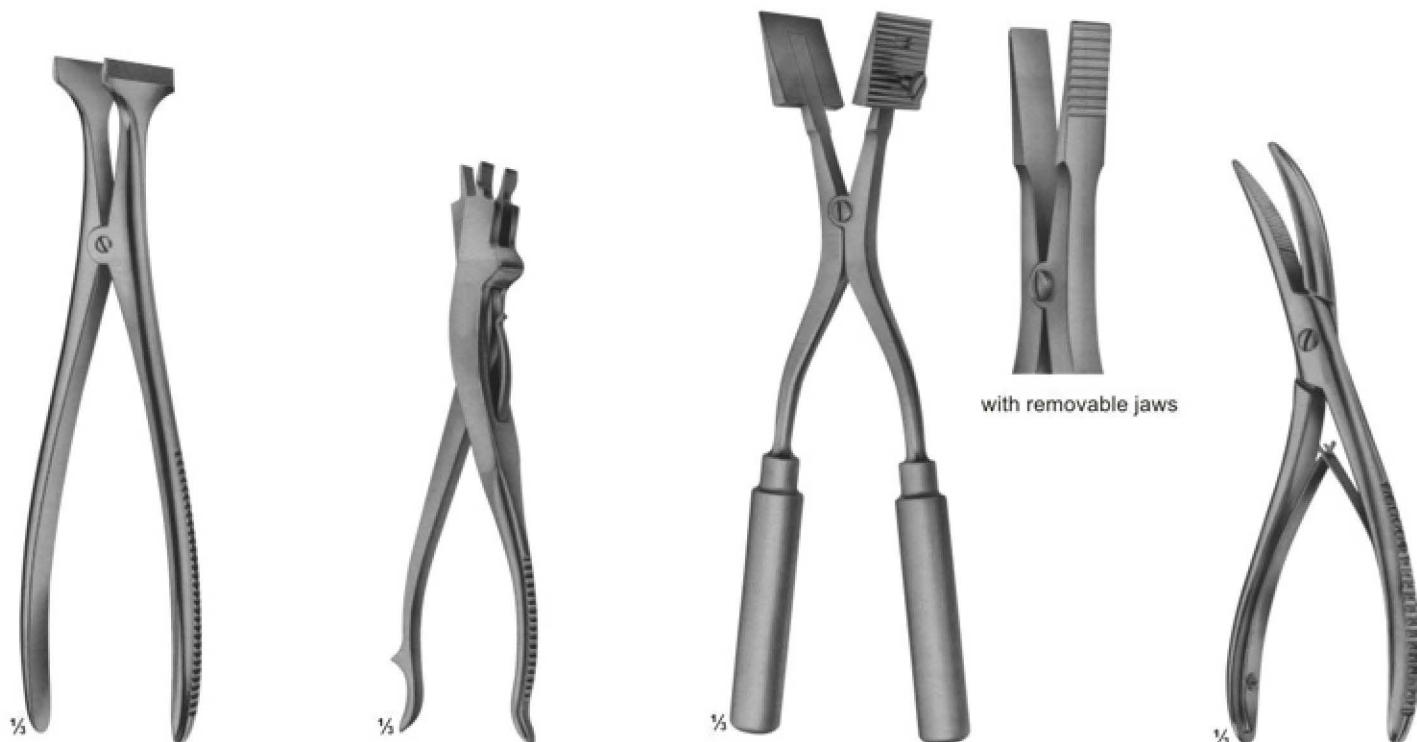
17-235  
STILLE-AESCULAP  
260 mm

17-236  
STILLE-AESCULAP  
360 mm



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## Plaster Spreader, Plaster Breakers



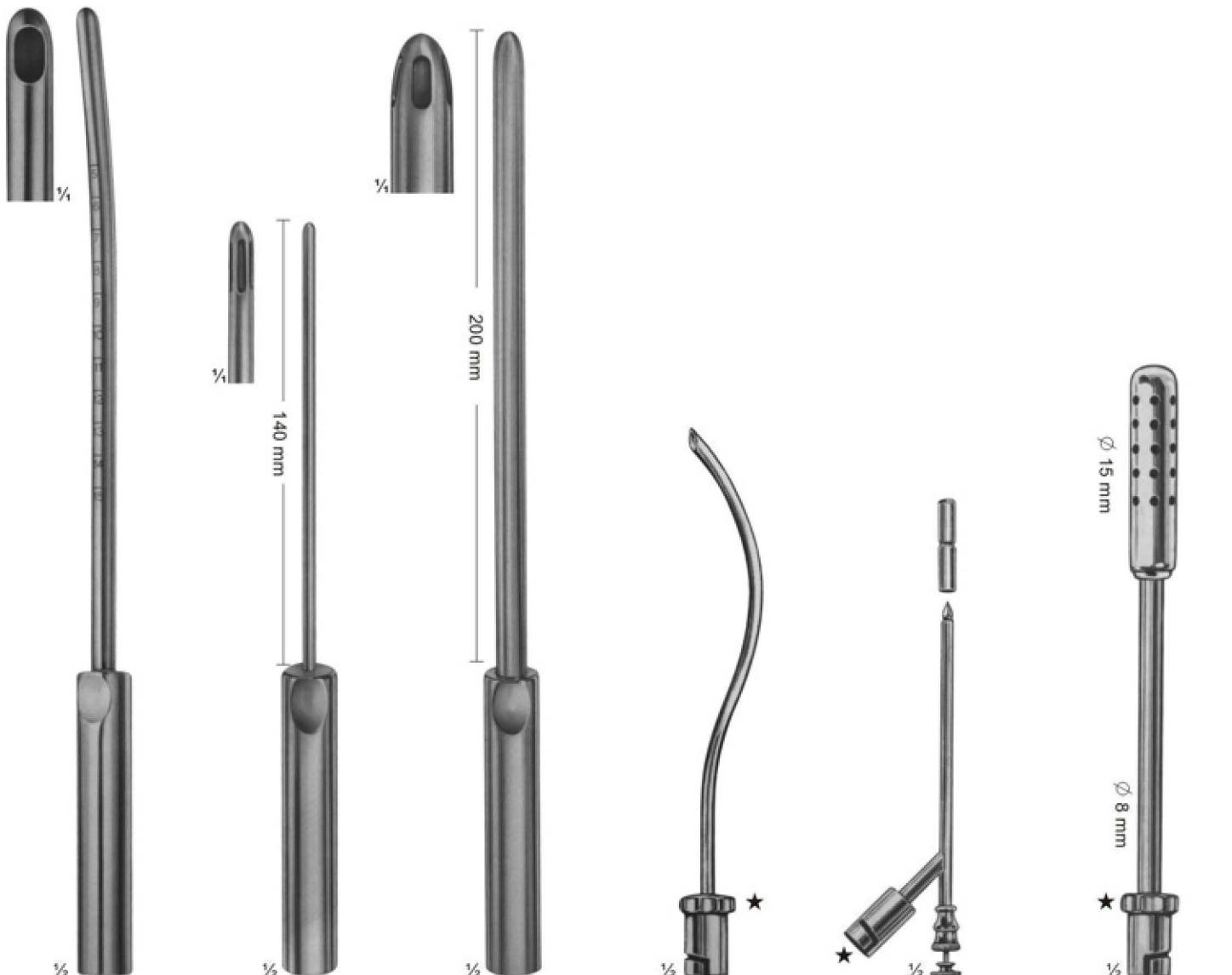
17-237  
HENING  
270 mm

17-238  
MOD.USA  
230 mm

17-239  
290 mm

17-240 - 17-241  
WOLFF  
17-240 180 mm  
17-241 240 mm  
plaster breakers

## Vacuum Curettes for Aspiration Lipectomy, Suction Instruments



**18-101 - 18-106**  
BIEMER  
18-101 ø 4 mm  
18-102 ø 6 mm  
18-103 ø 8 mm  
18-104 ø 10 mm  
18-105 ø 12 mm  
18-106 ø 14 mm  
Curettes for aspiration lipectomy, graduated, slightly curved

**18-107 - 18-108**  
BIEMER  
18-107 ø 4 mm  
18-108 ø 6 mm  
Curettes for aspiration lipectomy, with three apertures, slightly curved malleable

**18-109 - 18-111**  
BIEMER  
18-109 ø 8 mm  
18-110 ø 10 mm  
18-111 ø 12 mm  
Curettes for aspiration lipectomy, with three apertures, slightly curved malleable

**18-112**  
For aspirating fluid from the excretory ducts of large glands and for keeping the operating area clear  
170 mm

**18-113**  
Trocar  
For puncturing  
150 mm

**18-114**  
For clearing large quantities of fluid  
190 mm



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## Suction Instruments

**18-115 150mm**

Suction handle, with vacuum regulator and finger cut-off, brass, mirror-finish chromium-plated



olive  
 $\varnothing 9\text{ mm}$

**18-116 170mm**

Suction handle, with hand regulation valve and quick-shutter, brass, mirror-finish chromium-plated



Both suction handles have bayonet fitting Olive  
and can be used for the suction cannulae.  $\varnothing 9\text{ mm}$



**18-117**  
Trocar  
For puncturing  
170 mm



**18-118**  
Hollow needle,  
sharp  
150 mm



**18-119**  
double curved  
For general  
surgery  
230 mm



**18-120**  
For tonsillectomy,  
oral and laryngeal  
operations  
190 mm

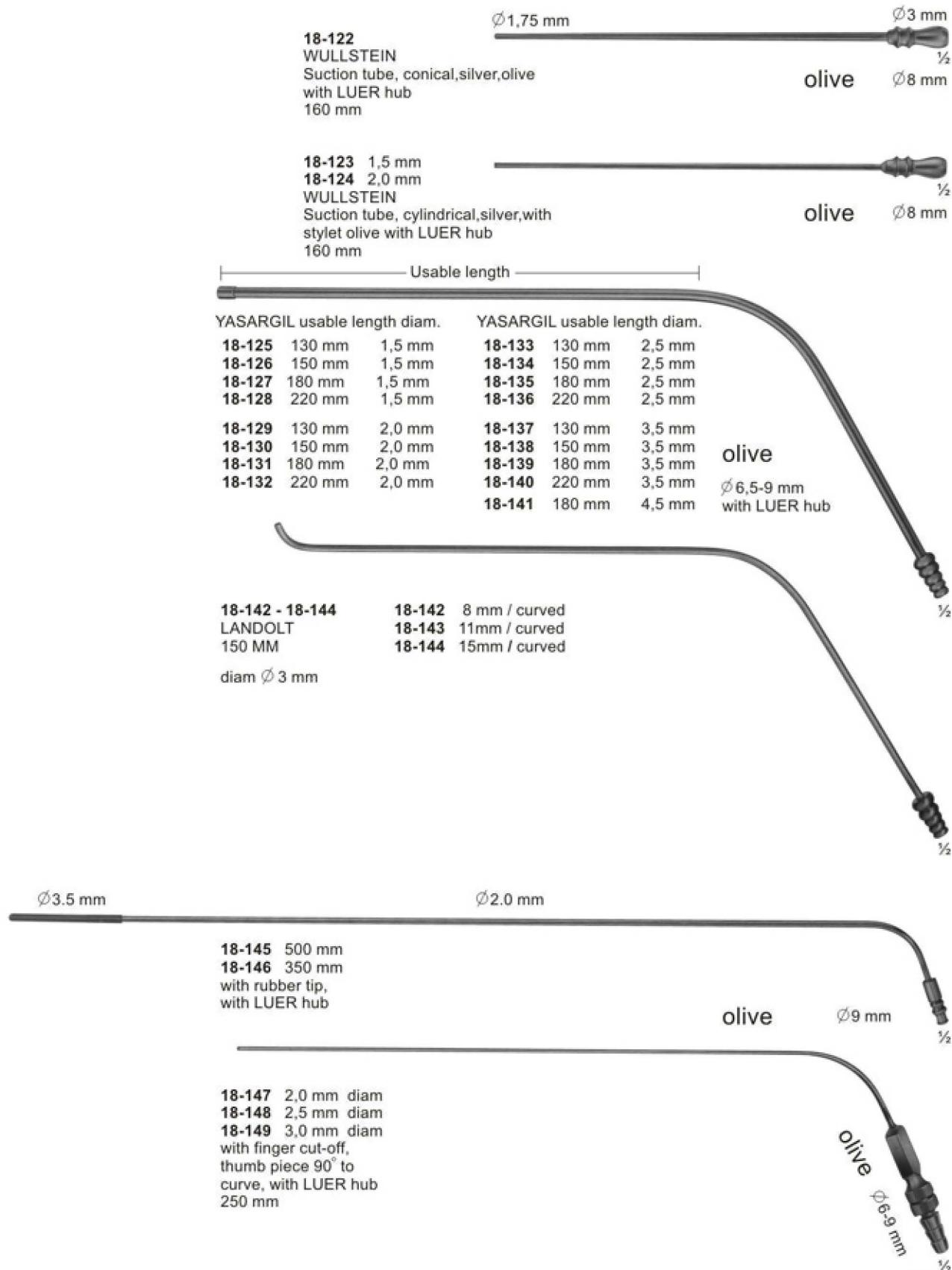
**18-121**  
For tonsillectomy,  
oral and laryngeal  
operations  
220 mm

★ With bayonet fitting to be used with  
suction handles (18-115 - 18-116)



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## Suction Instruments

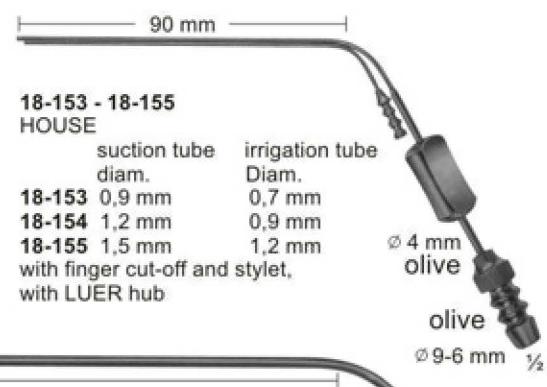
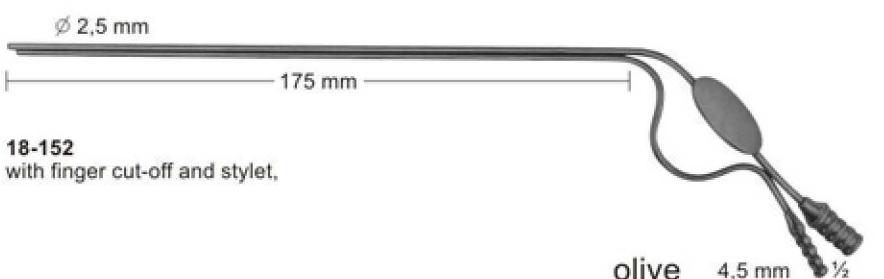
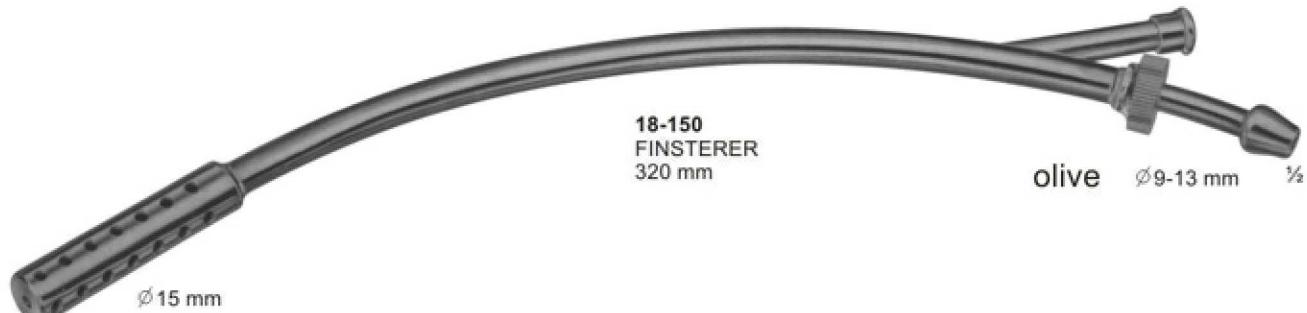




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## Combined Suction and Irrigation Cannulae, Coagulation Suction Cannulae

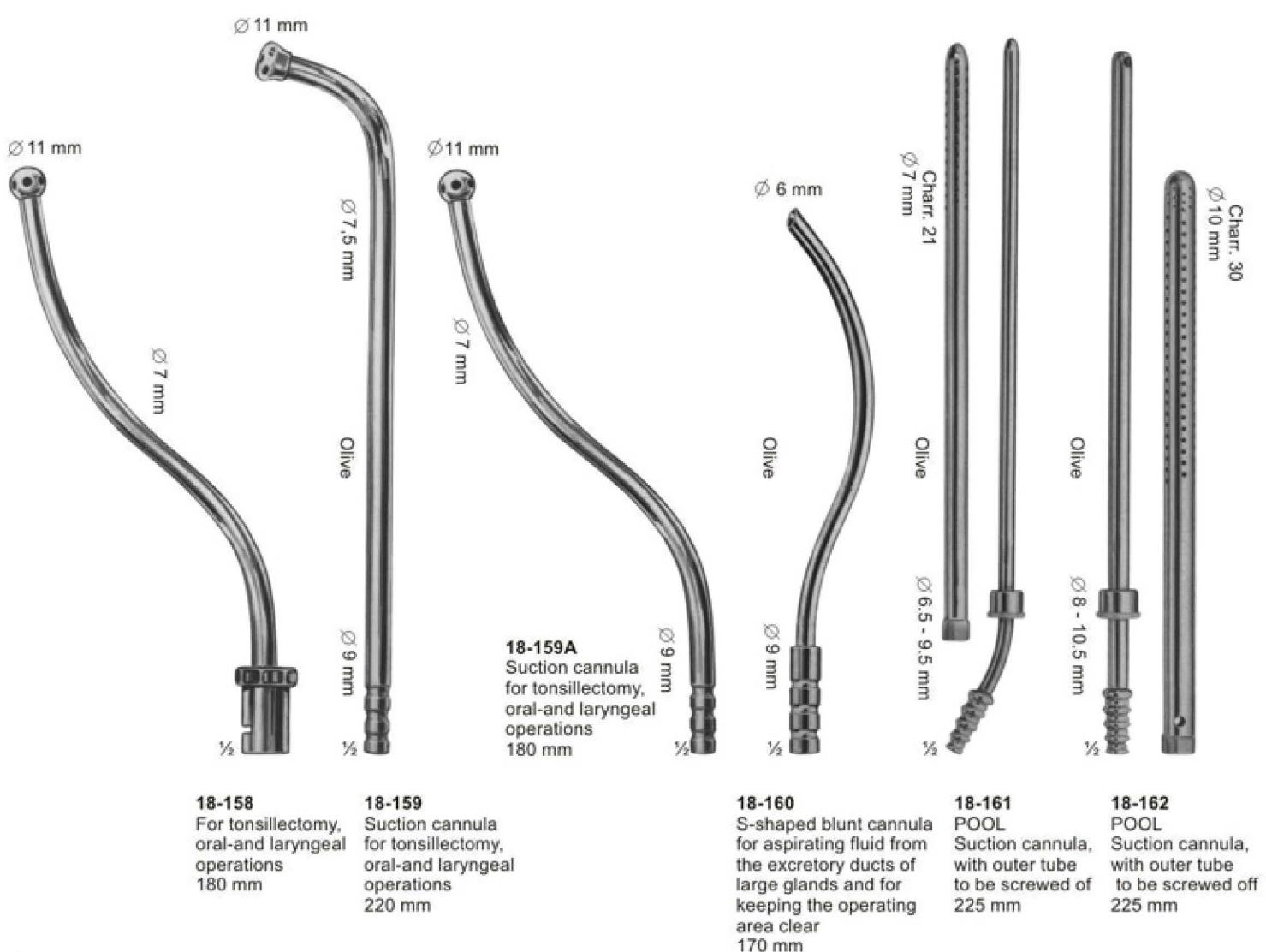


18-156 3,5 mm  
with LUER-LOCK cone

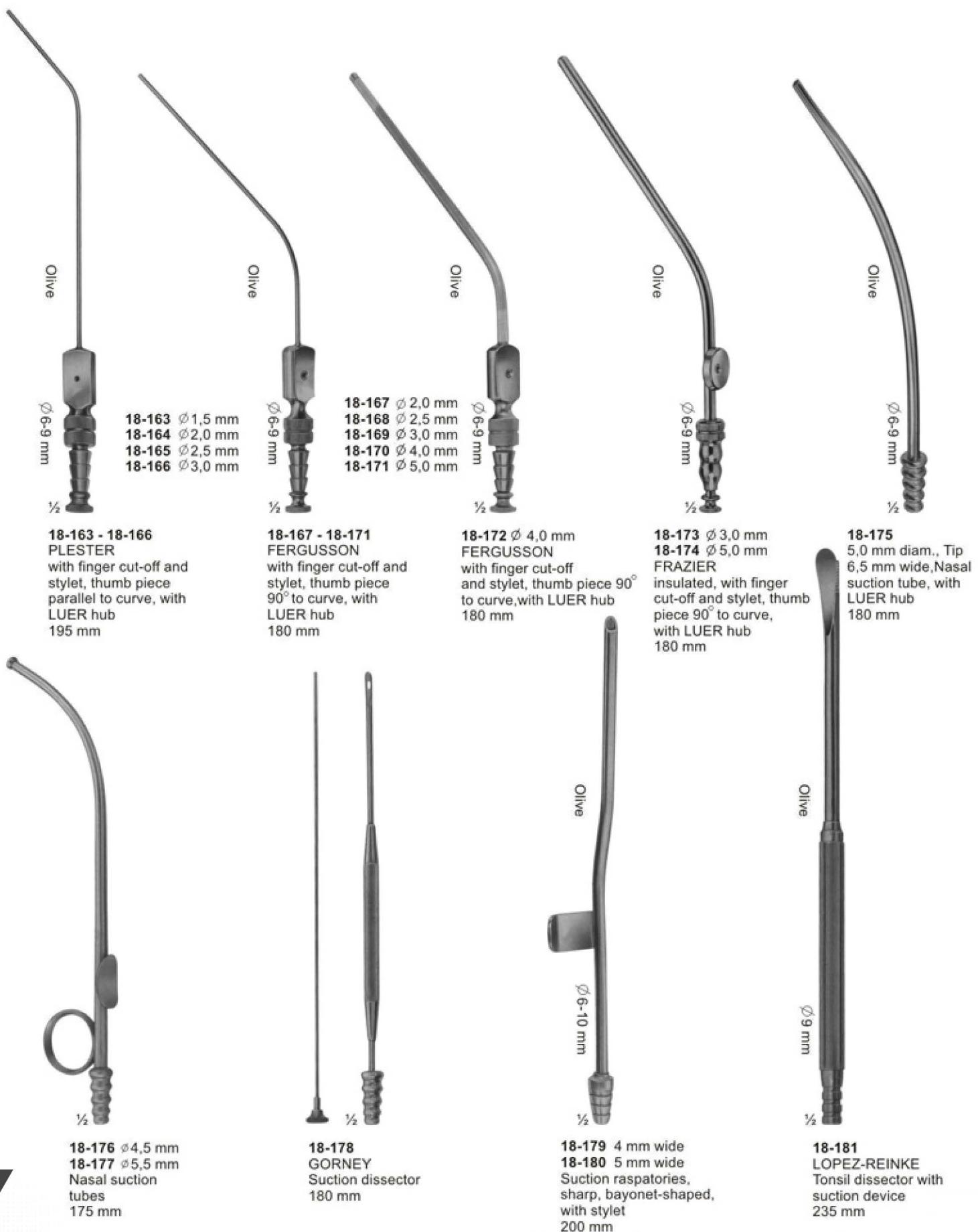


4 mm diam., Untarnished  
contact to be touched by  
HF-electrodes

## Suction Instruments



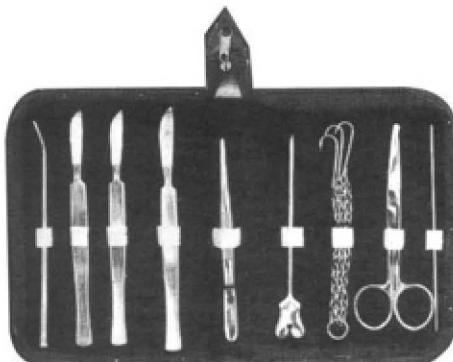
## Suction Instruments





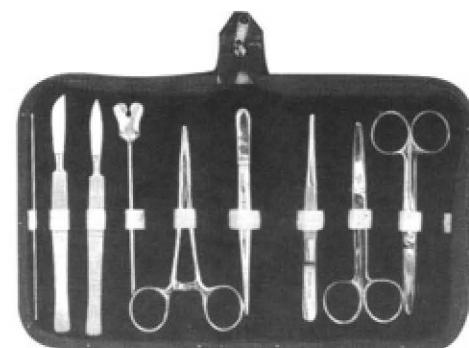
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## Dissection Instruments



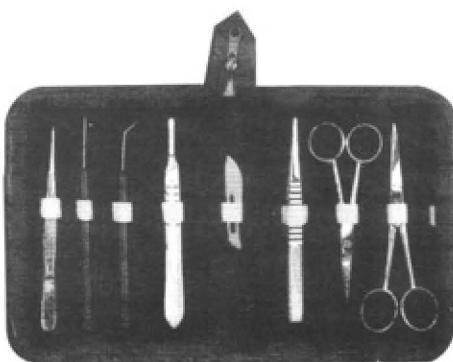
18-182

- 1- Blow pipe .
- 2- 3 PCS .scalpel.
- 3- Dissecting forcep 13 cm.
- 4- Grooved director with tongue tie 13 cm.
- 5- Triple chain hook.
- 6- Dressing scissors probe pointed 13 cm.
- 7- Probe double 13 cm.
- 8- Zipper case inside red velvet.



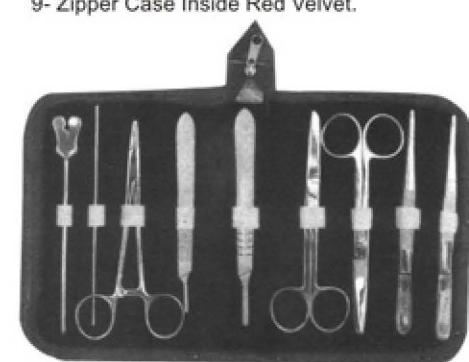
18-183

- 1- Probe Double 13 cm
- 2- 2 PCS. Scalpel S.S
- 3- Grooved Director With tongue Tie 13 cm
- 4- Mayo Hegar Needle Holder 13cm
- 5- Dissecting Forcep 13 cm 1x2 Teeth
- 6- Dressing Forcep 13 CMS Serrated.
- 7- Dressing Scissor 13 cm S/B STR.
- 8- Dressing Scissor 13 cm S/B CVD.
- 9- Zipper Case Inside Red Velvet.



18-184

- 1- Dissecting Forcep 11.5 cm Sharp Point.
- 2- Iris Scissor
- 3- B.P Handle No. 4
- 4- Teasing Needle Sharp angular.
- 5- Blade No. 22
- 6- Thumb Forceps T.O.E 13 cm
- 7- Dissecting Scissor STR 11.5 cm
- 8- Dissecting Scissor STR 13 cm
- 9- Zipper case Inside Red Velvet



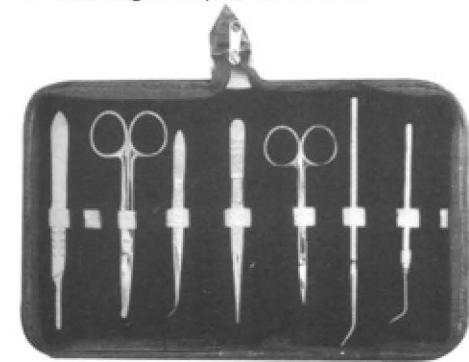
18-185

- 1- Grooved Director with Tongue Tie 14 cm
- 2- Probe Double 14cm
- 3- Mayo Hegar Needle Holder 14 cm
- 4- BP. Handle no.3
- 5- BP. Handle no.4
- 6- Dressing Scissor 14 cm S/B STR
- 7- Dressing Scissor 14 cm S/B CVD.
- 8- Dressing Forcep 1x2 Teeth 14 cm
- 9- Dressing Forcep Serrated 14 cm



18-186

- 1- Probe double 12.5 cm
- 2- Scalpel
- 3- B.P Handle No. 4
- 4- 6 PCS Blade 2 each no. 21, 22, 23
- 5- Dissecting Forcep 12.5 cm
- 6- Dissecting Forcep 11.5 cm sharp Point
- 7- Dissecting Scissor S/B STR 13 cm
- 8- Dissecting Scissor S/S STR 13 cm



18-187

- 1- Teasing Needle with Chuck CVD.
- 2- Huber Probe
- 3- Iris Scissor
- 4- Dissecting Forcep Fine 14 cm.
- 5- Dissecting Forcep Fine CVD. 12 cm
- 6- Operating Scissor with Probe 14 cm.
- 7- B.P. Handle no. 4



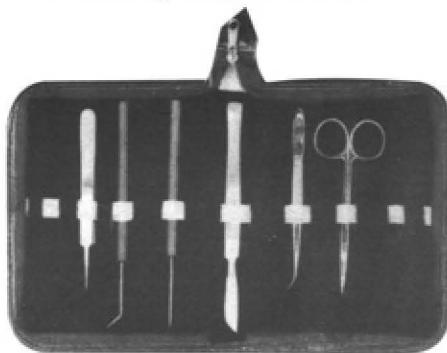
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## Dissection Instruments



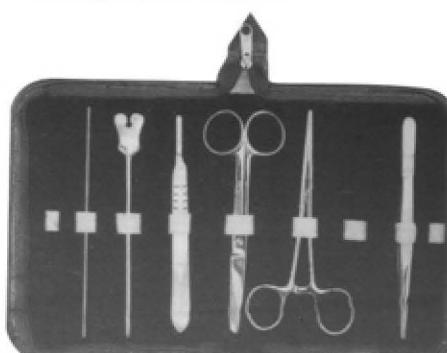
18-188

- 1- Probe with eye
- 2- Dissecting Forcep cvd fine 12 cm.
- 3- Iris Scissor
- 4- Operating Scissor S/B str 14 cm
- 5- Grooved Director and Tongue tie
- 6- Huber Probe
- 7- Triple Chain Hook
- 8- B.P Handle No. 4
- 9- B.P Handle No. 3
- 10- Teasing Needle with Chuck cvd.
- 11- Teasing Needle with Chuck str.
- 12- Dissecting Forceps Fine 14 cm.



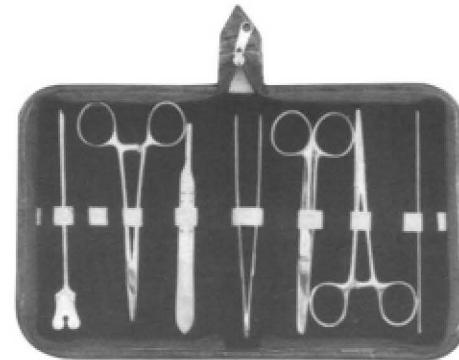
18-190

- 1- Iris Scissor STR
- 2- Dissecting Forceps CVD 12 cm.
- 3- Scalpel
- 4- Teasing Needle STR wooden handle.
- 5- Teasing Needle CVD wooden handle.
- 6- Watchmaker fine point.



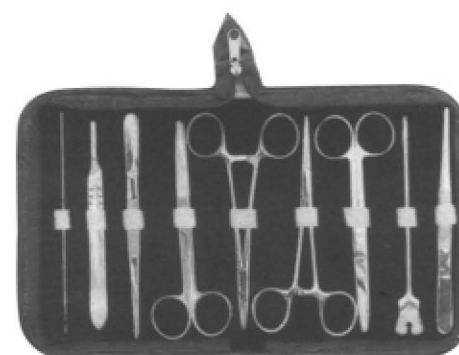
18-192

- 1- Probe double end.
- 2- Grooved director and tongue tie.
- 3- B.P handle no.4
- 4- Operating scissor STR S/b14cm.
- 5- Kelly forceps STR 14cm.
- 6- Dissecting forceps thumb 13cm.



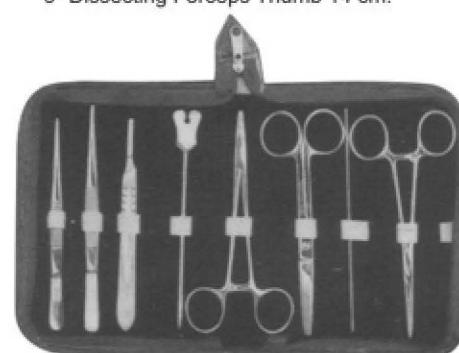
18-189

- 1- Grooved Director and Tongue tie
- 2- Mayo Hearn Needle Holder 14 cm
- 3- B.P Handle No. 4
- 4- Dissecting Forceps Thump 14 cm.
- 5- Operating Scissor S/B str 14 cm
- 6- Kelly Forcep STR 14 cm.
- 7- Probe Double end



18-191

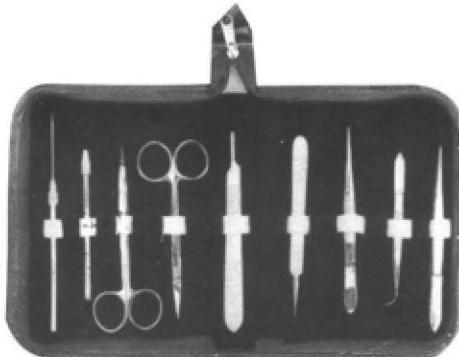
- 1- Probe Double end
- 2- B.P Handle No. 4
- 3- Dissecting Forcep 1x2 Teeth 14 cm.
- 4- Operating Scissor S/B str 14 cm
- 5- Mayo Hearn Needle Holder 14 cm
- 6- Kelly Forcep STR 14 cm.
- 7- Operating Scissor S/B CVD 14 cm
- 8- Grooved Director and Tongue tie
- 9- Dissecting Forceps Thumb 14 cm.



18-193

- 1- Dissecting Forceps Thumb 14 cm
- 2- Dissecting Forcep 1x2 Teeth 14 cm.
- 3- B.P Handle No. 3
- 4- Grooved Director and Tongue tie
- 5- Mayo Hearn Needle Holder 14 cm
- 6- Operating Scissor S/B str 14 cm
- 7- Probe Double end
- 8- Kelly Forcep STR 14 cm.

## Dissection Instruments



**18-194**

- 1- Dissecting Forcep Fine 14cm.
- 2- Dissecting Forcep Fine CVD 12cm
- 3- Dissecting Forcep with Pin 14cm.
- 4- Watchmaker Fine point
- 5- Iris scissor STR
- 6- Iris scissor CVD.
- 7- Teasing Needle holder
- 8- Teasing Needle STR.
- 9- B.P. Handle no. 3



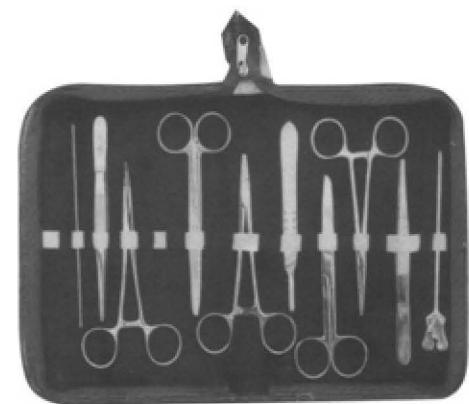
**18-195**

- 1- Teasing Needle STR.
- 2- Grooved Director and Tongue Tie.
- 3- Teasing Needle CVD.
- 4- Dissecting Forcep with Pin 12 cm Fine
- 5- Operating Scissor S/B STR 14 cm
- 6- Triple Chain Hook
- 7- Probe with eye
- 8- Probe Double end
- 9- Probe and Hook
- 10- Dissecting Forcep Fine 14 cm
- 11- Iris Scissor
- 12- Huber Probe
- 13- B.P. Handle no.3
- 14- B.P. Handle no.4



**18-196**

- 1- Dissecting forcep fine STR with pin 12cm.
- 2- Iris scissor STR.
- 3- Probe with eye.
- 4- Probe and hook.
- 5- Operating scissor S/B STR 14cm
- 6- Triple chain hook.
- 7- B.P. handle no.4
- 8- Huber probe.
- 9- B.P.handle no.3
- 10- Teasing needle STR plastic handle.
- 11- Teasing needle CVD plastic handle.
- 12- Grooved director and tongue tie.
- 13- Probe double end.



**18-197**

- 1- Dissecting Forceps Thumb 14 cm.
- 2- Dissecting Forcep 1x2 Teeth 14 cm.
- 3- B.P Handle No. 3
- 4- Grooved Director and Tongue tie
- 5- Mayo Hearn Needle Holder 14 cm
- 6- Operating Scissor S/B str 14 cm
- 7- Probe Double end
- 7- Kelly Forcep STR 14 cm.

# Hospital Wares



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**19-101 - 115**  
Schimmelbusch

Ø x H  
sizes in mm

|        |           |
|--------|-----------|
| 19-101 | 80 x 80   |
| 19-102 | 105 x 120 |
| 19-103 | 140 x 140 |
| 19-104 | 160 x 120 |
| 19-105 | 160 x 150 |
| 19-106 | 190 x 150 |
| 19-107 | 190 x 190 |
| 19-108 | 240 x 160 |
| 19-109 | 240 x 240 |
| 19-110 | 290 x 160 |
| 19-111 | 290 x 240 |
| 19-112 | 340 x 160 |
| 19-113 | 340 x 340 |
| 19-114 | 390 x 190 |
| 19-115 | 390 x 290 |



**19-116**  
Box  
120 x 65 x 13mm  
(without Bulldog clamps,  
without silicone tape)



**19-117**  
Box with support  
120 x 65 x 13 mm  
(ohne Bulldogklemmen)



**19-118**  
Box with support for  
needle electrodes,  
without instruments



**19-119 - 121**  
50 x 25 x 4,5 mm  
**19-120**  
65 x 42 x 8 mm  
**19-121**  
75 x 25 x 4,5 mm



**19-122**  
Ø 65mm x 15mm



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## Hospital Wares



19-123 - 131

|        | Ø x H        |
|--------|--------------|
| 19-123 | 30 x 90 mm   |
| 19-124 | 50 x 100 mm  |
| 19-125 | 50 x 130 mm  |
| 19-126 | 50 x 175 mm  |
| 19-127 | 75 x 100 mm  |
| 19-128 | 75 x 130 mm  |
| 19-129 | 75 x 175 mm  |
| 19-130 | 100 x 175 mm |
| 19-131 | 100 x 200 mm |



19-141 - 142

|        |   |
|--------|---|
| 19-141 | Martin Sterilizing Forceps<br>consisting of:<br>1 Sterilizing Forceps, curved, 25 cm,<br>without ratchet, with lid for jar<br>1 jar with bottom plate (anti-tilt) |
| 19-142 | ditto, with 32 cm long Sterilizing Forceps  |



19-132 - 139

|        |                   |
|--------|-------------------|
| 19-132 | 165 x 85 x 35 mm  |
| 19-133 | 200 x 100 x 35 mm |
| 19-134 | 200 x 100 x 50 mm |
| 19-135 | 230 x 130 x 50 mm |
| 19-136 | 260 x 150 x 50 mm |
| 19-137 | 270 x 235 x 50 mm |
| 19-138 | 300 x 200 x 50 mm |
| 19-139 | 325 x 275 x 50 mm |



19-140  
205 x 105 x 35 mm



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## Round Metal Boxes and Medicine Cups



19-143 - 148

Ø x H

|         |           |    |
|---------|-----------|----|
| 19-143  | 75 x 60   | mm |
| 19-144  | 75 x 75   | mm |
| 19-145  | 100 x 60  | mm |
| 19-146  | 100 x 100 | mm |
| 19-146A | 125 x 80  | mm |
| 19-147  | 125 x 125 | mm |
| 19-148  | 150 x 150 | mm |

19-149  
25 cc

19-150  
50 cc



19-151  
20 cc  
Medicine Spoon



19-152  
Ø 75 x 12 mm  
Tablet Tray



19-153  
Ø 90 x 90 mm  
Metal Cup



19-154  
Ø 75 x 80 mm  
Sputum Cup



Kidney Dish



19-155 - 157

|        |                |    |
|--------|----------------|----|
| 19-155 | 170 x 100 x 35 | mm |
| 19-156 | 250 x 140 x 40 | mm |
| 19-157 | 275 x 150 x 45 | mm |

## Hospital Wares



**19-158 - 165**

|        | $\varnothing \times H$ |
|--------|------------------------|
| 19-158 | 40 x 19 mm 0.05L       |
| 19-159 | 61 x 30 mm 0.07L       |
| 19-160 | 80 x 40 mm 0.14L       |
| 19-161 | 116 x 50 mm 0.35L      |
| 19-162 | 128 x 55 mm 0.45L      |
| 19-163 | 147 x 65 mm 0.70L      |
| 19-164 | 167 x 75 mm 1.10L      |
| 19-165 | 187 x 85 mm 1.60L      |



**19-166 - 170**

|        |                   |
|--------|-------------------|
| 19-166 | 116 x 35 mm 0.30L |
| 19-167 | 128 x 38 mm 0.40L |
| 19-168 | 147 x 40 mm 0.50L |
| 19-169 | 157 x 45 mm 0.75L |
| 19-170 | 187 x 45 mm 1.00L |



**19-173 - 176**

|        |       |
|--------|-------|
| 19-173 | 0.25L |
| 19-174 | 0.50L |
| 19-175 | 1.00L |
| 19-176 | 2.00L |



**19-171**  
 $\varnothing$  110 x 28 mm 0.15L



**19-172**  
100 cc 0.1L



**19-177**  
235 x 190 x 40 mm



**19-178**  
 $\varnothing$  220 x 70 mm

## Hospital Wares



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19-179  
 $\phi$  50 x 100 mm  
Powder Pot



19-180  
 $\phi$  50 x 75 mm  
Methot With Lid



19-181  
 $\phi$  50 x 75 mm  
Methot Without Lid



19-182



19-183



19-184



19-185 - 186

19-185  $\phi$  235 mm  
19-186  $\phi$  310 mm



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## Needle Cases



**19-187**  
Sauerbruch  
210 x 125 x 17 mm



**19-188**  
Sauerbruch  
210 x 125 x 17 mm



**19-189**  
150 x 95 x 13 mm



**19-190**  
150 x 95 x 13 mm



**19-191**  
150 x 95 x 13 mm



**19-192**  
150 x 95 x 13 mm



**19-193**  
150 x 95 x 13 mm



**19-194**  
150 x 95 x 13 mm



**19-195**  
150 x 95 x 11 mm



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## Storing Cases



|        |                   |
|--------|-------------------|
| 19-199 | 230 x 130 x 50 mm |
| 19-200 | 260 x 150 x 50 mm |
| 19-201 | 275 x 235 x 50 mm |
| 19-202 | 300 x 200 x 50 mm |
| 19-203 | 325 x 275 x 50 mm |
| 19-204 | 420 x 175 x 50 mm |
| 19-205 | 230 x 130 x 75 mm |
| 19-206 | 260 x 150 x 75 mm |
| 19-207 | 300 x 200 x 75 mm |
| 19-208 | 325 x 275 x 75 mm |
| 19-209 | 420 x 175 x 75 mm |



19-196  
Deponette  
245 x 135 x 35mm



19-197  
Deponette  
245 x 135 x 50mm



19-198  
Deponette  
245 x 135 x 60mm



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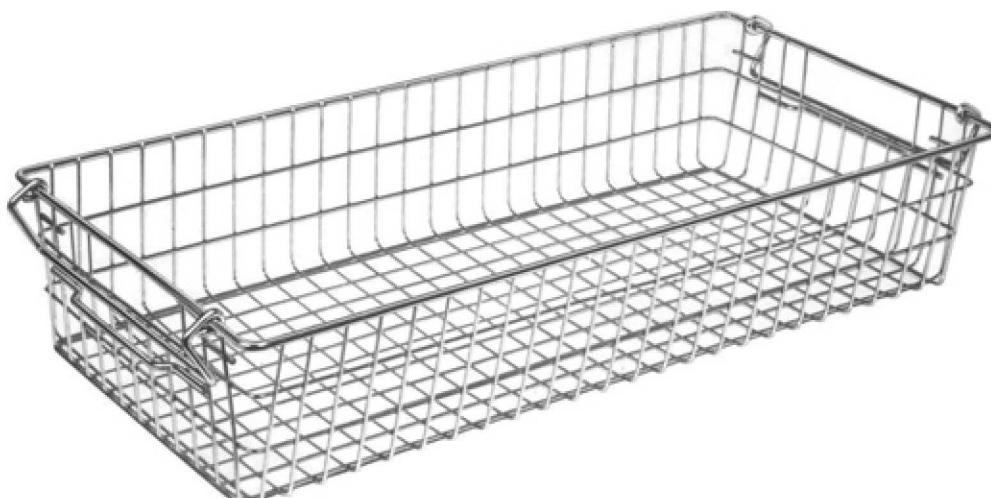
Manufacturers & Exporters of Surgical, Dental Instruments

## Sterilizing Baskets / Trays



19-210 - 212

|        |                 |    |
|--------|-----------------|----|
| 19-210 | 480 x 250 x 50  | mm |
| 19-211 | 520 x 250 x 75  | mm |
| 19-212 | 520 x 250 x 100 | mm |



19-219  
(60 x 30 x 15 cm)  
Nominal dimensions



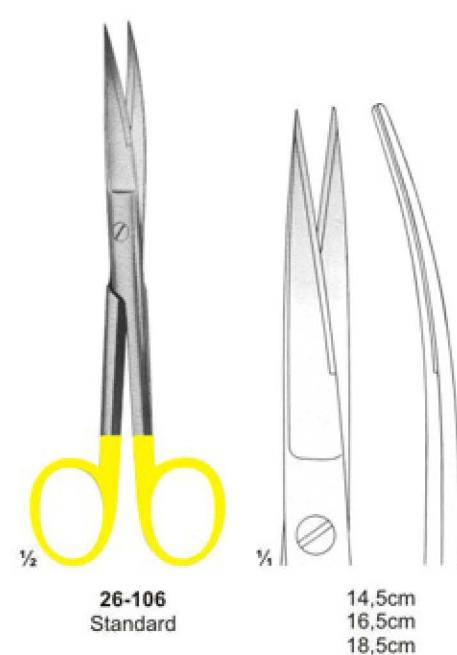
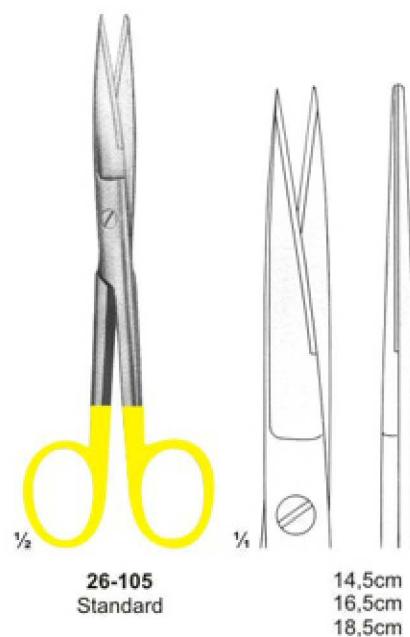
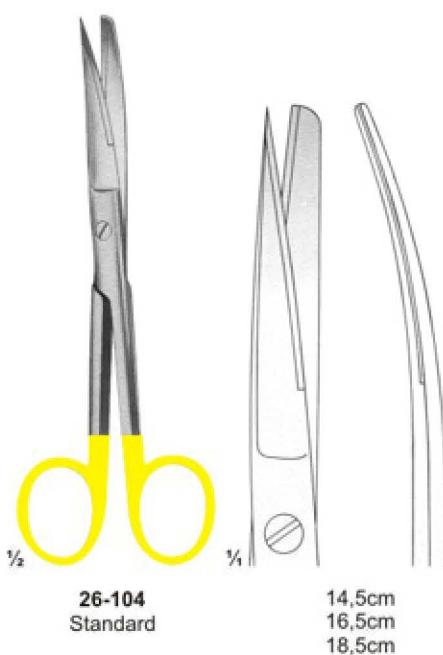
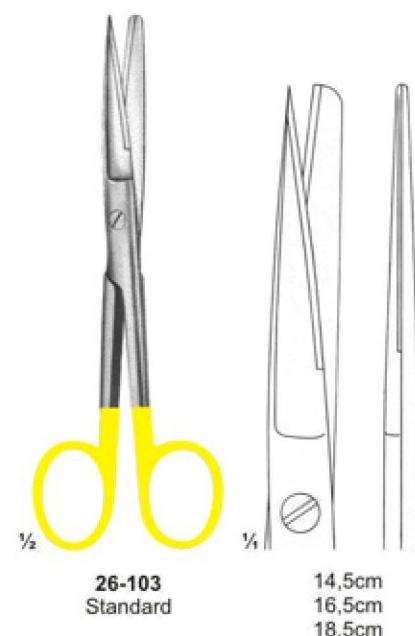
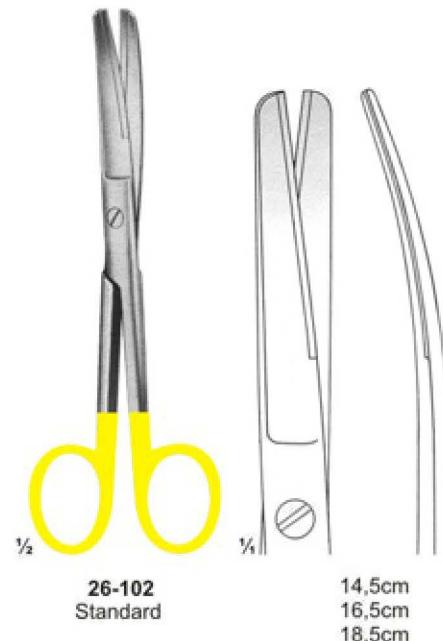
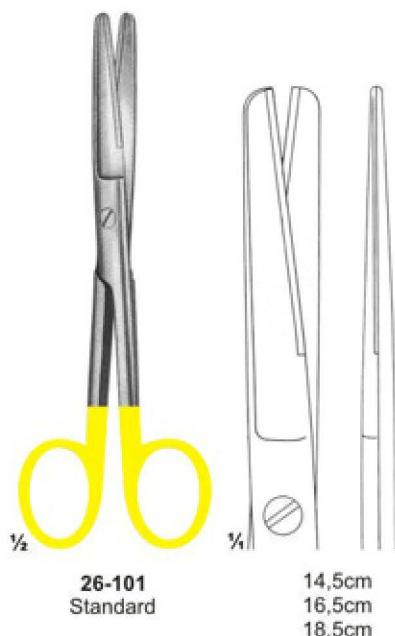
19-213 - 218

|        |                 |    |
|--------|-----------------|----|
| 19-213 | 240 x 240 x 50  | mm |
| 19-214 | 240 x 240 x 80  | mm |
| 19-215 | 240 x 240 x 100 | mm |
| 19-216 | 480 x 260 x 50  | mm |
| 19-217 | 520 x 260 x 80  | mm |
| 19-218 | 520 x 260 x 100 | mm |



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## Scissors with Tungsten Carbide Inserts



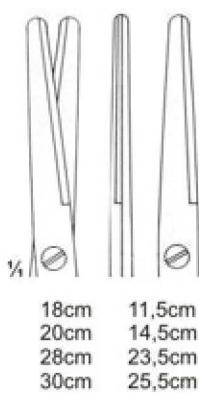


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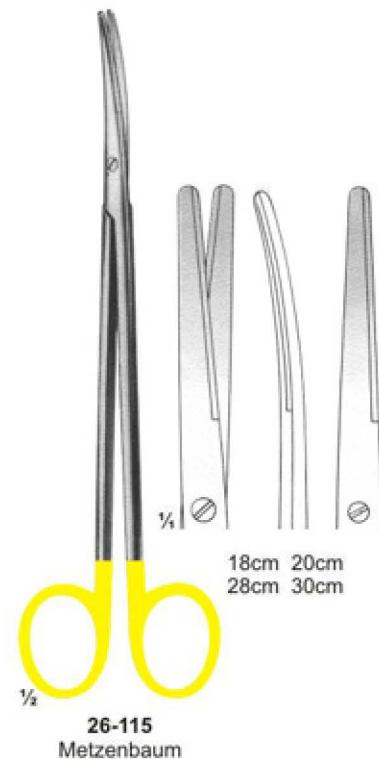
## Scissors with Tungsten Carbide Inserts



## Scissors with Tungsten Carbide Inserts



11,5cm  
 23cm  
 14,5cm  
 25cm



18cm  
 20cm  
 28cm  
 30cm



14cm  
 18cm  
 20cm  
 23cm  
 25cm  
 28cm



14cm  
 18cm  
 20cm  
 23cm  
 25cm  
 28cm

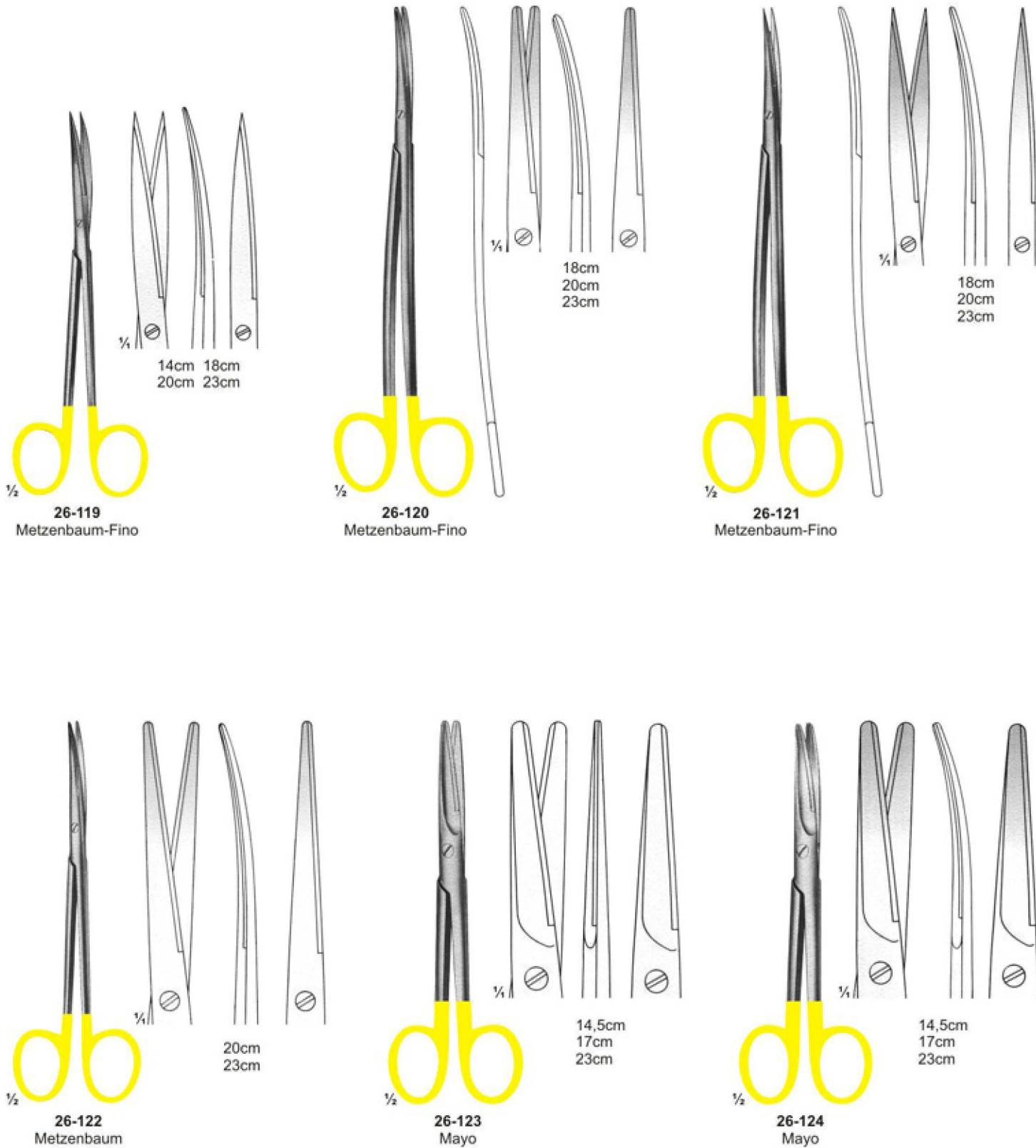


14cm  
 18cm  
 20cm  
 23cm



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## Scissors with Tungsten Carbide Inserts





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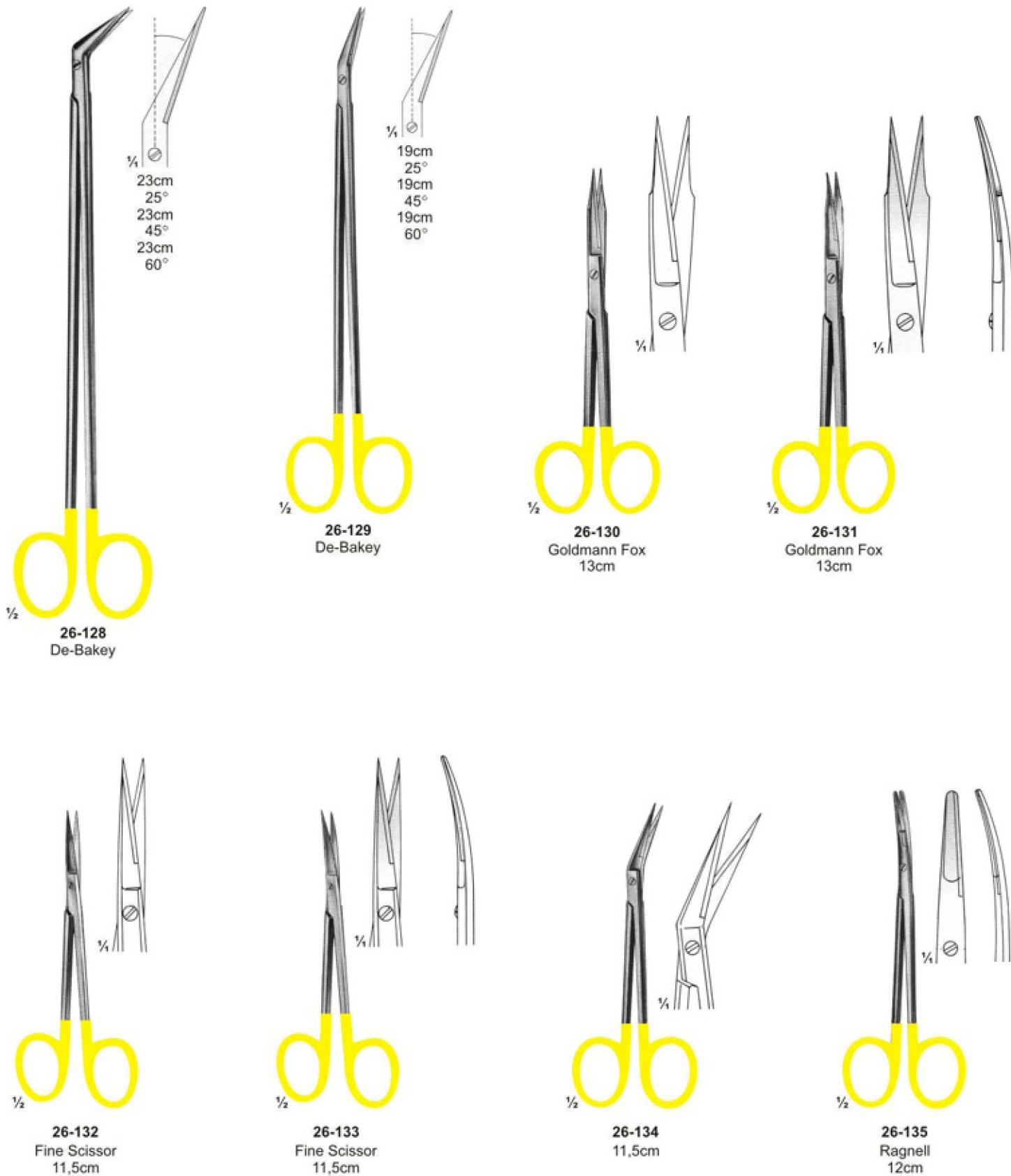
## Scissors with Tungsten Carbide Inserts



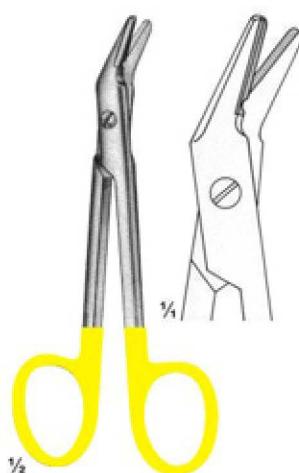


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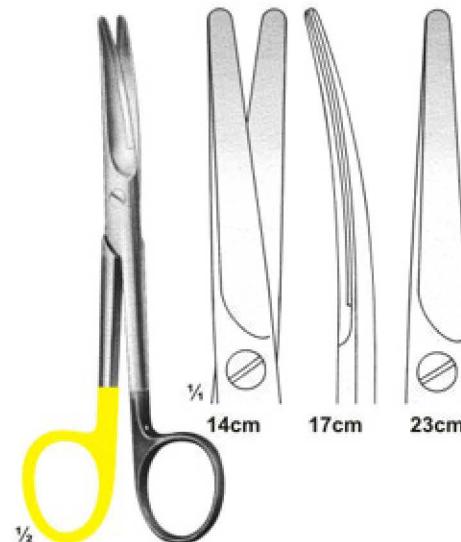
## Scissors with Tungsten Carbide Inserts



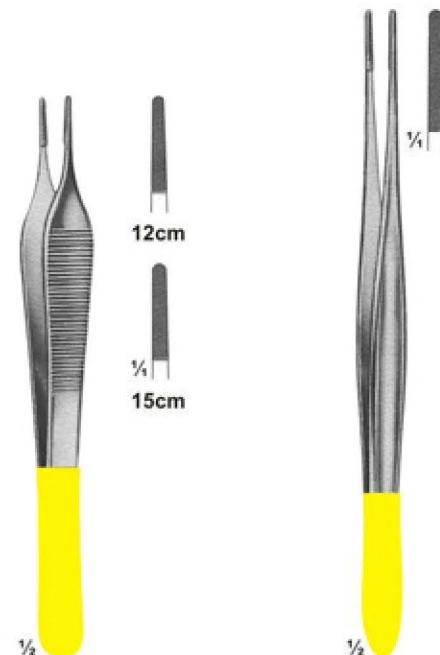
## Scissors & Dissecting Forceps with Tungsten Carbide Inserts



**26-136**  
Universal  
12cm



**26-137**  
Ligature Scissors  
1 Black & 1 Goldplated ring



**26-138**  
Adson



**26-139**  
Cushing  
17,5cm



**26-140**  
Cushing  
18cm



**26-141**  
Cushing-Taylor  
18cm



**26-142**  
Dissecting Forceps  
15cm



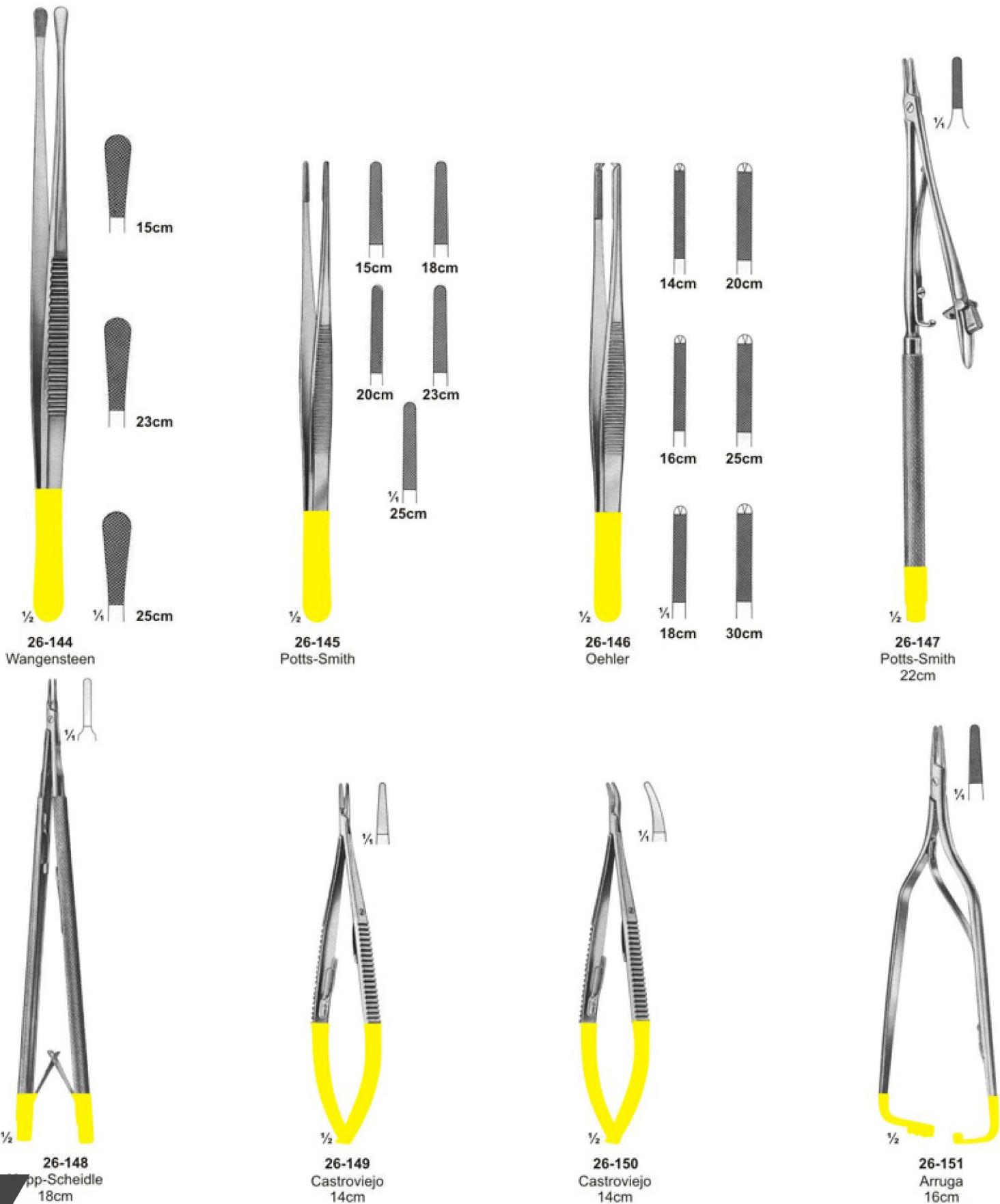
**26-143**  
Semken  
15cm



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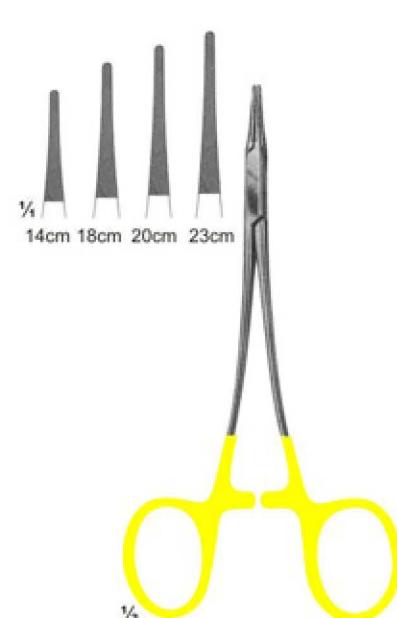
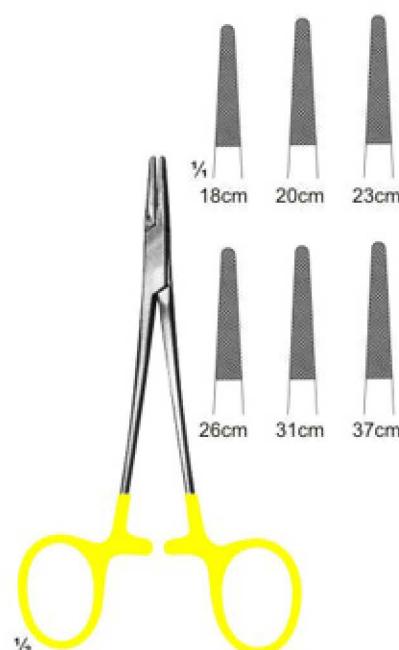
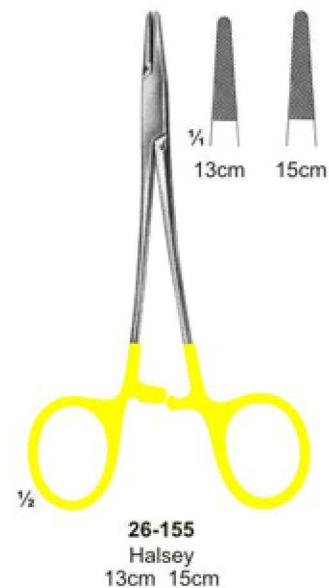
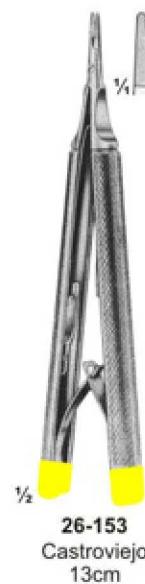
## Dissecting Forceps and Needle holders with





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## Needle holders with Tungsten Carbide Inserts





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## Needle holders with Tungsten Carbide Inserts



26-159  
Bozemann-Wertheim  
20cm 24cm 26cm



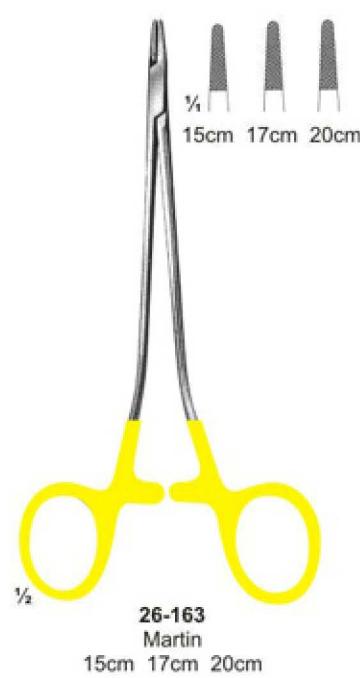
26-160  
Stratte  
22cm 23cm



26-161  
Ryder  
13cm 15cm 18cm  
20cm 23cm 26cm



26-162  
Ryder-Vascular  
13cm 15cm 18cm  
20cm 23cm 26cm



26-163  
Martin  
15cm 17cm 20cm



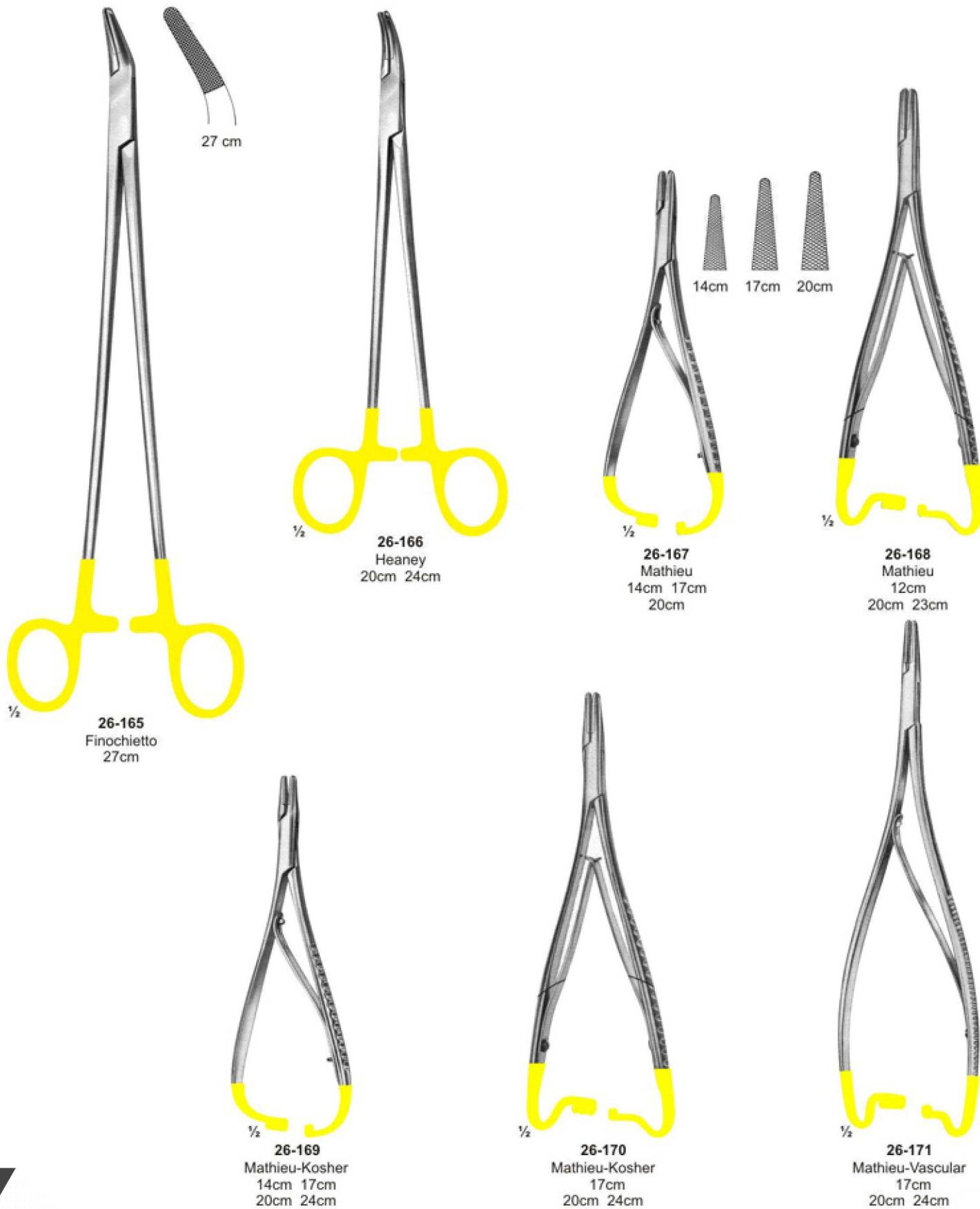
26-164  
Sarot  
18cm 20cm 26cm



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## Needle holders with Tungsten Carbide Inserts





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## Needle holders with Tungsten Carbide Inserts



26-172  
Mathieu-Ryder  
17cm  
20cm 24cm



26-173  
Lichtenberg  
20cm



26-174  
Langhals  
20cm 25cm



26-175  
Lichtenberg  
20cm 25cm



26-176  
Luehty-Beck  
20cm 25cm



26-177  
Luehty-Beck  
20cm 25cm



26-178  
Langebeck  
18cm  
20cm 23cm



26-179  
Langebeck-beck  
18cm  
20cm 23cm



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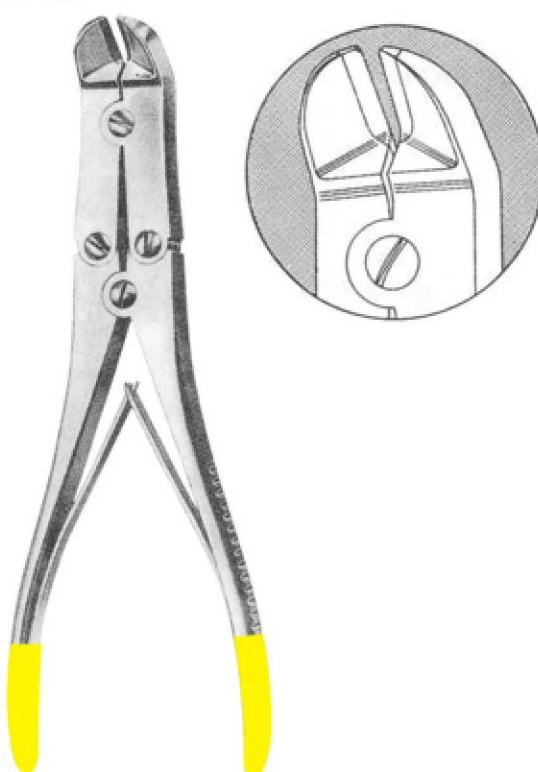
## Wire Cutting Plier With T.C. Inserts



26-180  
TOENNIS  
Elastic pattern for  
dura-or intestinal suture  
180 mm



26-181  
Cutting Plier  
12 cm



26-182  
MULLAR CLAUS  
22 cm



26-183  
Plier  
17.5 cm



## OUR STORY

TREAL SURGICAL is located at Sialkot-Pakistan is Specialized in Manufacturing wide range of Surgical, Dental ,and beauty care Instruments with 42 years of well experienced history .

Scissor Town is Well Organized, skilful & efficient group of people at Scissortown are controlling the production with latest techniques and machinery to achieve Excellent quality.

We welcome you to check our quality and compare with your present suppliers. We are sure you will find our quality and service best. Our Aim Scissortown has earned the credit to get entire satisfaction of World Wide customers by providing, Quality products, Competitive Prices, In time Deliveries, Standard packaging. Customer is always right!

[www.trealsurgical.com](http://www.trealsurgical.com)

**HEAD OFFICE :**  
**TREAL SURGICAL**  
Barath S.P.O Bharath Gondal Road,  
Sialkot 51310 Pakistan  
**Tel : +92-524-266575**  
**Fax : +92-524-271272**  
**Cell : +1 (416) 270-1818**  
**Email: info@trealsurgical.com**