



**ango**  
**INDUSTRIES**



**SURGICAL**  
INSTRUMENTS CATALOGUE



**ANGO Industries**

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## ***Dear Valued Customers,***

**ANGO** Industries was established in 1986 in Sialkot, the city known around the world as be heart of Surgical, Dental, Manicure, Pedicure, Veterinary Instruments industry etc.

We would like to introduce ourselves as a leading manufacturer and exporter of all kinds of Scissors and Surgical Instruments.

### **We approved CE mark, ISO 14001:2004 & cGMP**

We the management, staff and workforce at **ANGO Industries** are sincerely grateful to all our customers around the world who have supported us right from the beginning and helped us earn such a brilliant name in this industry.

We pledge that in the years to come we will make all the possible efforts not only To keep up with our current quality standards but also to further improve them to meet the modern challenges in this industry. For this purpose we will always welcome the comments and guidelines from our valued customers and patrons.

### **We always offer rock-bottom prices because we are ourselves Manufacturer.**

In case you prefer to have any clarifications please feel free to write us and we shall be happy to do according to your wishes.

Please don't hesitate to contact with us. We will welcome to your valued inquiries with our most competitive prices along with samples according to your wishes.

Sincerely Yours,

#### **ANGO Industries**

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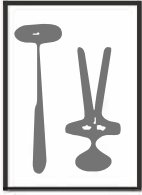
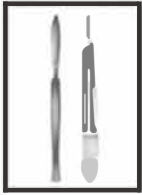
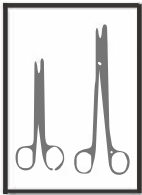

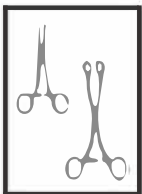
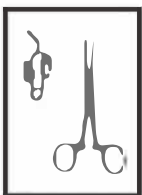
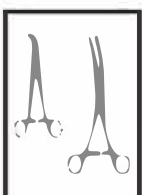
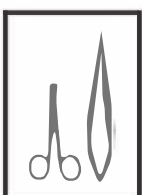
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## Percussion Hammers and Aesthesiometers



# Stethoscopes



**01-110**  
PINARD (Aluminum)  
Size: 155 mm

½



**01-111**  
wooden  
Size: 145 mm

½



**01-112**  
BOWLES  
Stethoscope  
with diaphragm

¼



**01-113**  
ANESTOPHON

½



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

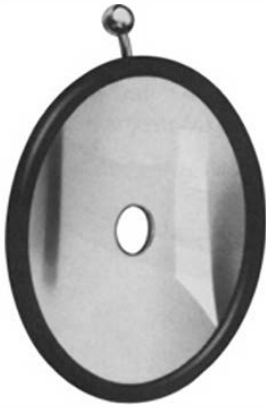
¼



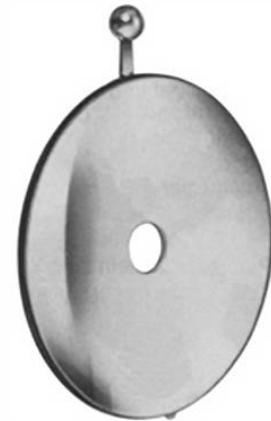
**01-115**  
BOWLES

¼

## Head Mirrors and Head Bands



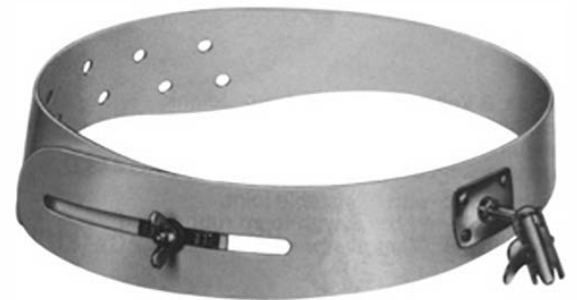
**01-116**  
ZIEGLER Ø 90mm  
head mirror only  
with rubber coating



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

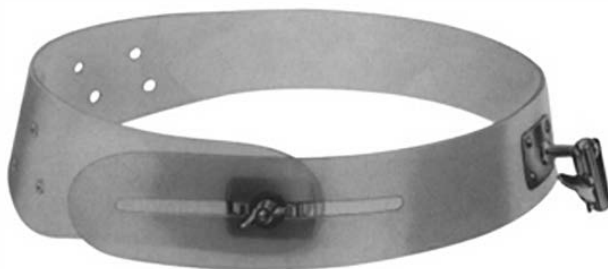


**01-118**  
ZIEGLER  
head band of plastic black



**01-120**  
MURPHY  
head band of celluloid, white

**01-119**  
ZIEGLER  
head band of plastic white

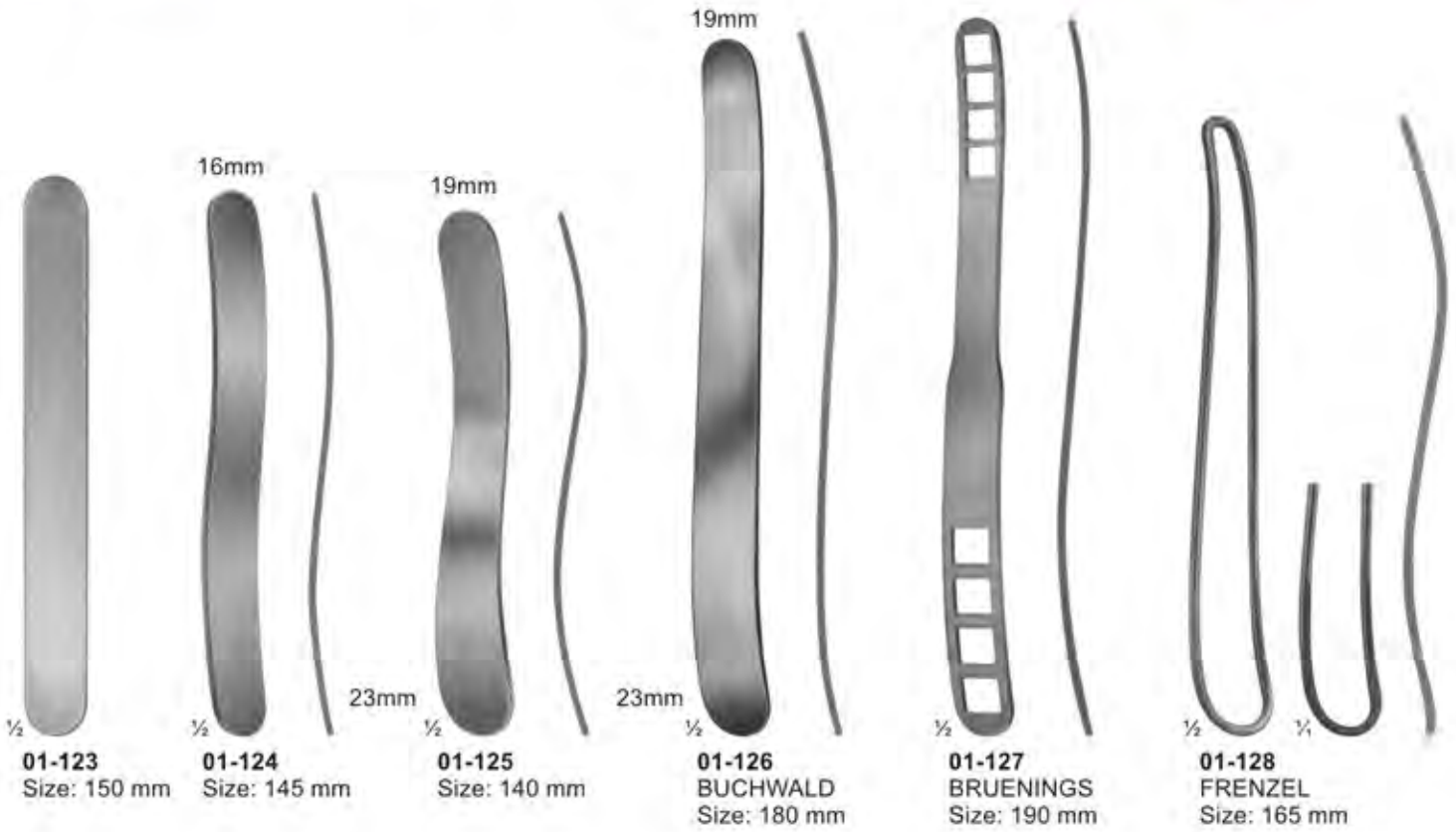


**01-121**  
head band of plastic,  
white, soft pattern



**01-122**  
head mirror with black  
plastic head band.

# Tongue Depressors





# Instruments for Anaesthesia and Tongue Forceps



1/2  
**01-134**  
**SCHIMMELBUSCH**  
Ether mask



1/2  
**01-135**  
**HEISTER**  
Mouth gag  
Size: 130 mm



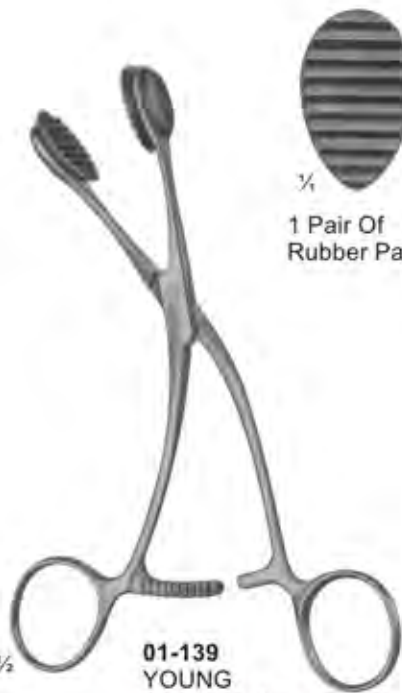
1/2  
**01-136**  
**FERGUSSON-ACKLAND**  
Mouth gag  
Size: 145 mm



1/2  
**01-137**  
**DENHARDT**  
Mouth gag with silicon  
inserts, interchangeable  
Size: 125 mm

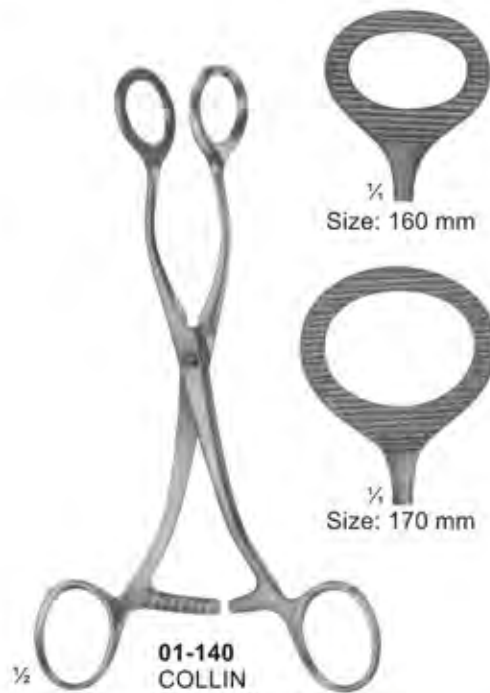


1/2  
**01-138**  
**ROSER KOENIG**  
Mouth gag  
Size: 160 mm, 185 mm



1/4  
1 Pair Of  
Rubber Pads

1/2  
**01-139**  
**YOUNG**  
Size: 165 mm



1/4  
Size: 160 mm

1/4  
Size: 170 mm

1/2  
**01-140**  
**COLLIN**  
Size: 160 mm,  
170 mm

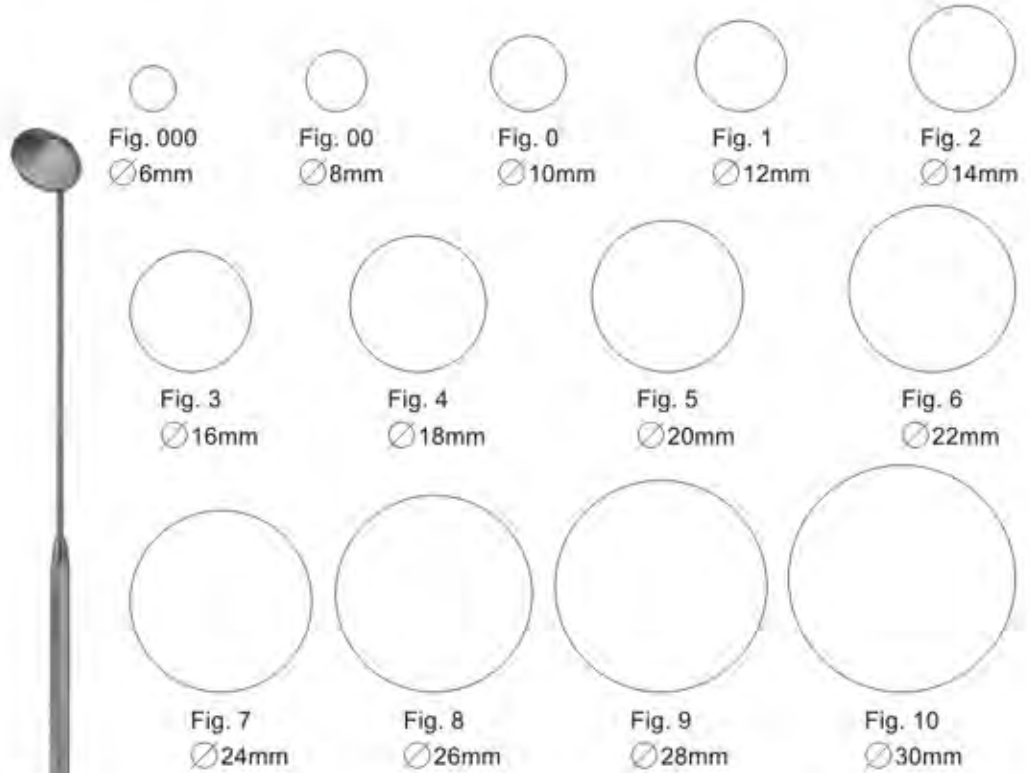


1/2  
**01-141**  
**HEYWOOD-SMITH**  
modif. Size: 215 mm

# Blood Lancets and Laryngeal Mirrors



**01-142**  
FRANCKE  
Automatic blood lancet



**01-143**  
Laryngeal mirrors with  
hexagonal handle  
Size: 180 mm



**01-148**  
Spare mirrors only  
Size: 12 mm

**01-149**  
Spare mirrors only  
Size: 14 mm



**01-144**  
KOLLE  
Microscopic Needle  
Holder with plastic  
handle.  
Size: 240 mm



**01-146**  
Mirror handle  
Size: 105 mm

## Laryngoscope and Diagnostic Sets



**01-150**  
Infants  
Size: 150 mm



**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 valvet lined case



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

# Laryngoscopes



**01-158**  
**MILLER**  
Laryngoscope set, consists of battery handle ( without battery )  
with four miller laryngoscope blades

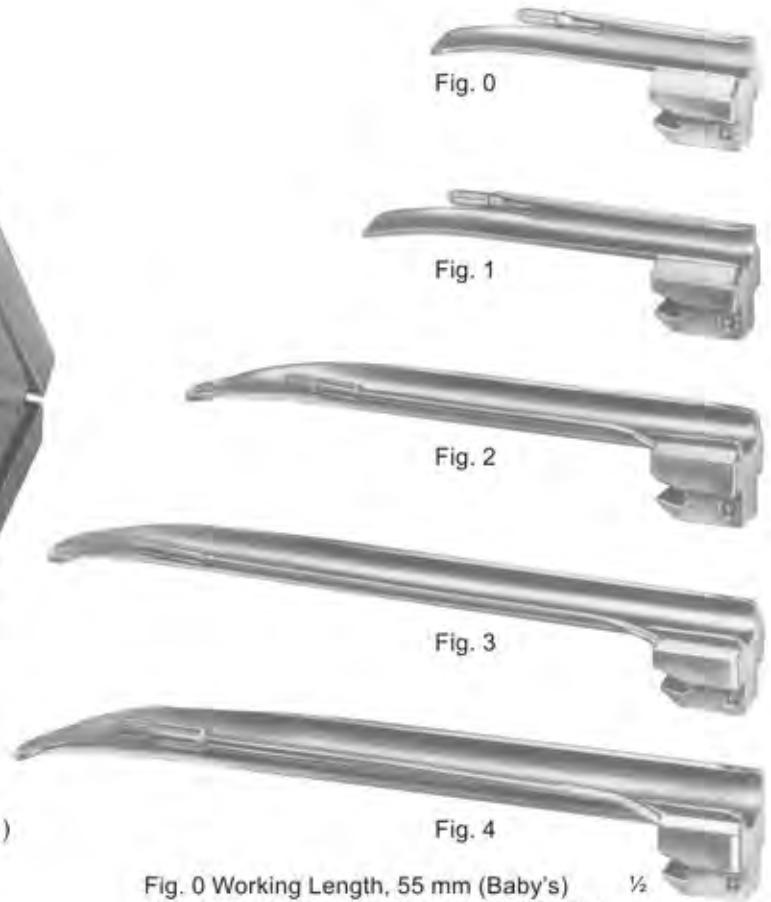


Fig. 0 Working Length, 55 mm (Baby's)  $\frac{1}{2}$   
Fig. 1 Working Length, 80 mm (Children's)  
Fig. 2 Working Length, 130 mm (Adolescent's)  
Fig. 3 Working Length, 170 mm (Women's)  
Fig. 4 Working Length, 180 mm (Men's)



**01-159**  
**GUEDEL-NEGUS**  
Laryngoscope set, consists of battery handle ( without battery )  
with four miller laryngoscope blades

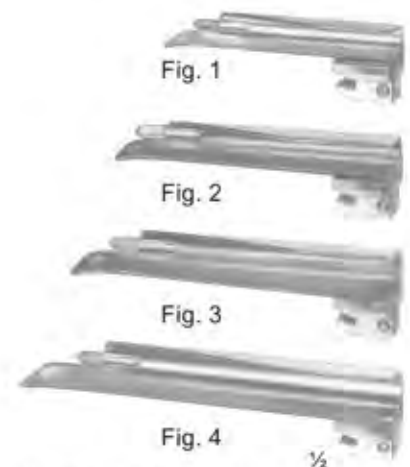


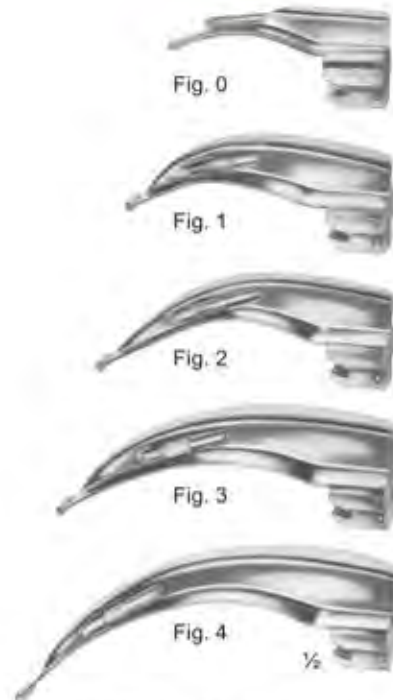
Fig. 1 Working Length, 70 mm (Children's)  
Fig. 2 Working Length, 90 mm (Adolescent's)  
Fig. 3 Working Length, 110 mm (Women's)  
Fig. 4 Working Length, 135 mm (Men's)

# 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



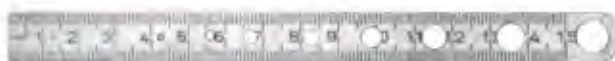
**01-175**  
MOLTGEN  
Goniometer



**01-176**  
Size: 150 mm



**01-177**  
Size: 500 mm



# Dissecting Knives



1/2  
**02-101 - 110**  
Fig. 1 - 10



1/4  
**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



1/4  
**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



**LISTON**  
**02-111**  
Size: 130 mm  
**02-112**  
Size: 160 mm  
**02-113**  
Size: 190 mm  
**02-114**  
Size: 200 mm

**02-115**  
**CATLIN**  
Size: 160 mm  
Blade length  
Amputating  
Knives

**02-116**  
**LANGENBECK**  
Size: 120 mm  
Blade length  
Flap Knives

**02-117**  
Size: 110 mm  
Blade length  
Interosseous  
Knives

**02-118**  
Size: 55 mm  
Blade length  
with raspatory,  
Wooden handle

**02-119**  
Size: 70 mm  
Blade length  
Wooden handle

**02-120**  
Size: 80 mm  
Blade length  
Metal handle

**02-121**  
Size: 195 mm  
Blade length  
Metal handle

Blade length  
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

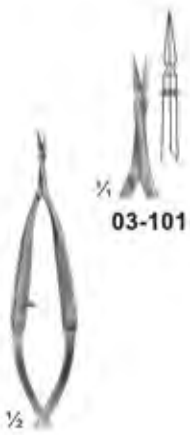
**02-129**  
BRUNINGS  
Size: 215 mm  
Tonsil Knife

# Scalpel Handles



$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
<b>02-130</b> STANDARD No. 3 Solid 12 cm	<b>02-131</b> No. 3 Solid 12 cm	<b>02-132</b> No. 3 Solid 12 cm	<b>02-133</b> No. 3 L Straight Solid 21.5 cm	<b>02-134</b> No. 3 L Angled Solid 21 cm	<b>02-135</b> No. 7 Solid 16 cm	<b>02-136</b> No. 7 K Solid 12.5 cm	<b>02-137</b> Hollow-Round 15.5 cm	<b>02-138</b> No. 3 Straight Solid, Round 14.5 cm	<b>02-139</b> No. 3 Angled Solid, Round 14 cm

# Micro Scissors (Spring Type) with Flat Handles



03-101



03-102



03-103

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



03-104



03-105

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



03-106

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



03-107



03-108

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



03-109

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



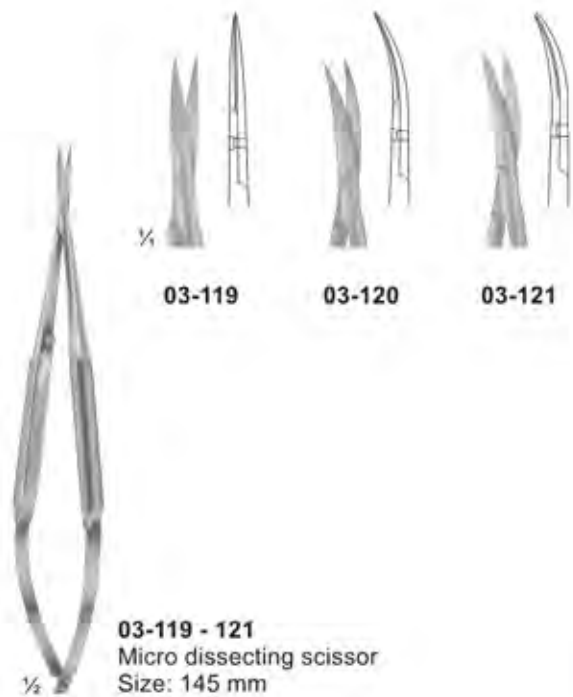
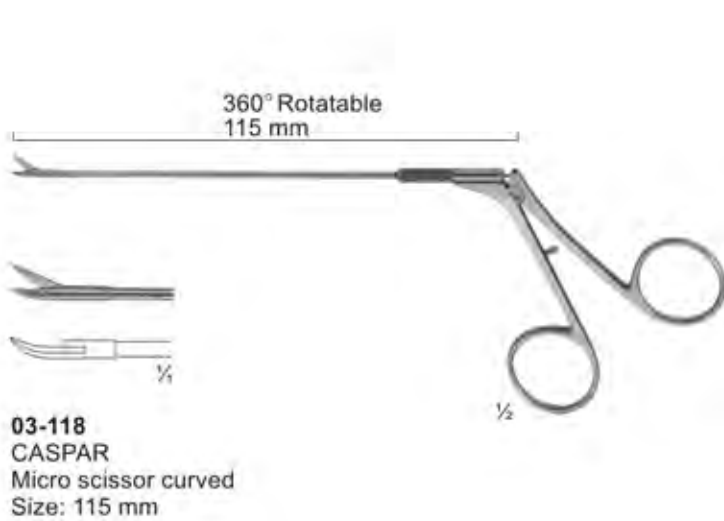
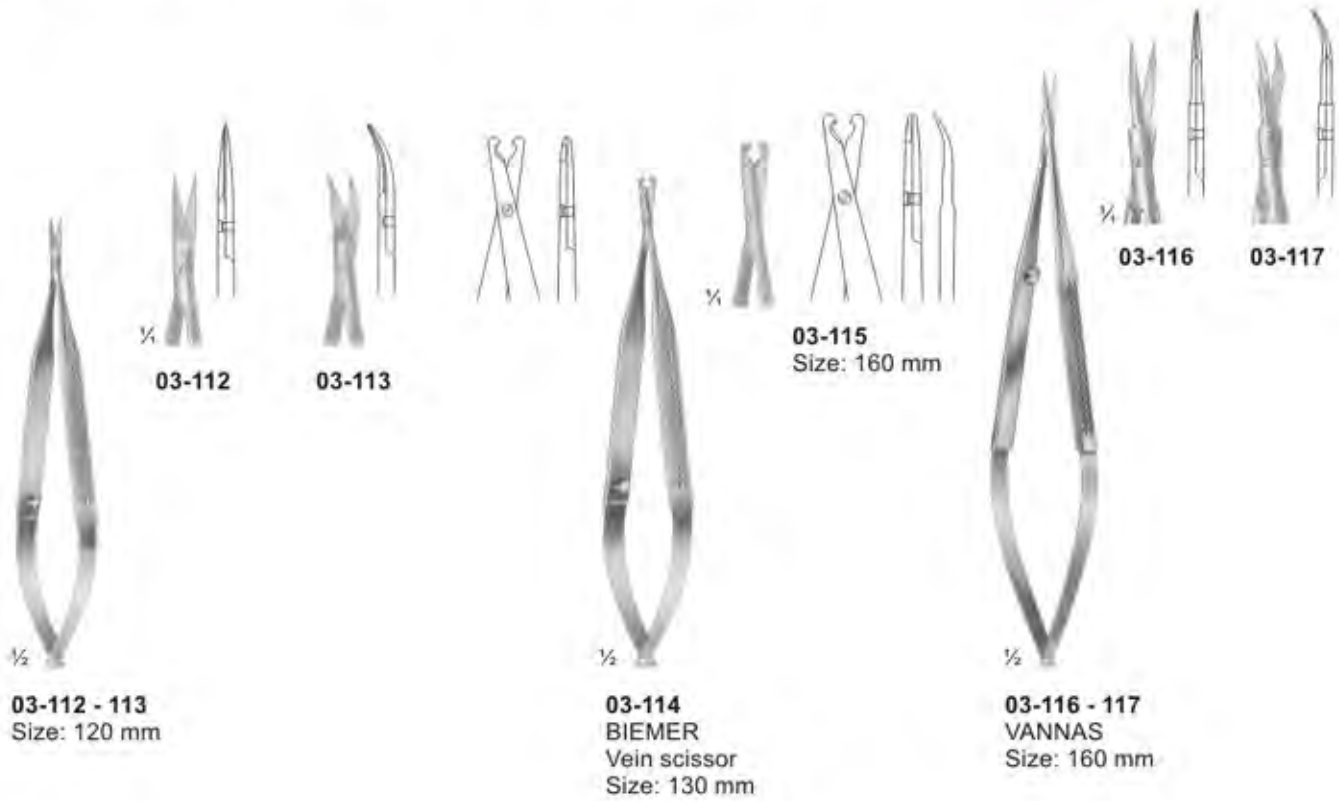
03-110



03-111

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

# Micro Scissors (Spring Type) with Flat Handles



**Micro Scissors (Spring Type) bayonet-Shaped**



**03-122**  
YASARGIL  
Size: 245 mm



**03-123**  
45°



**03-124**  
45°



**03-125**  
laterally angled  
Size: 190 mm

**03-123 - 124**  
laterally angled  
Size: 200 mm



**03-126**



**03-127**

**03-126 - 127**  
YASARGIL  
Size: 225 mm

**Delicate Scissors**



03-128

03-129

**03-128 - 129**  
Size: 90 mm



03-130

03-131

**03-130 - 131**  
Size: 95 mm



03-132

03-133

**03-132 - 133**  
Size: 105 mm



03-134

03-135

**03-134 - 135**  
Size: 120 mm



03-136

03-137

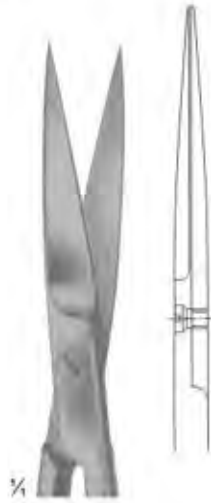
**03-136 - 137**  
Size: 115 mm

## Delicate Scissors



1/2

**03-138 - 140**  
Size: 120 mm



1/4

**03-138**



**03-139**



**03-140**



1/2

**03-141 - 144**  
Size: 130 mm

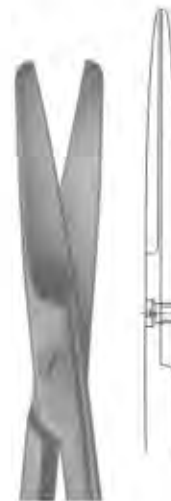


1/4

**03-141**



**03-142**

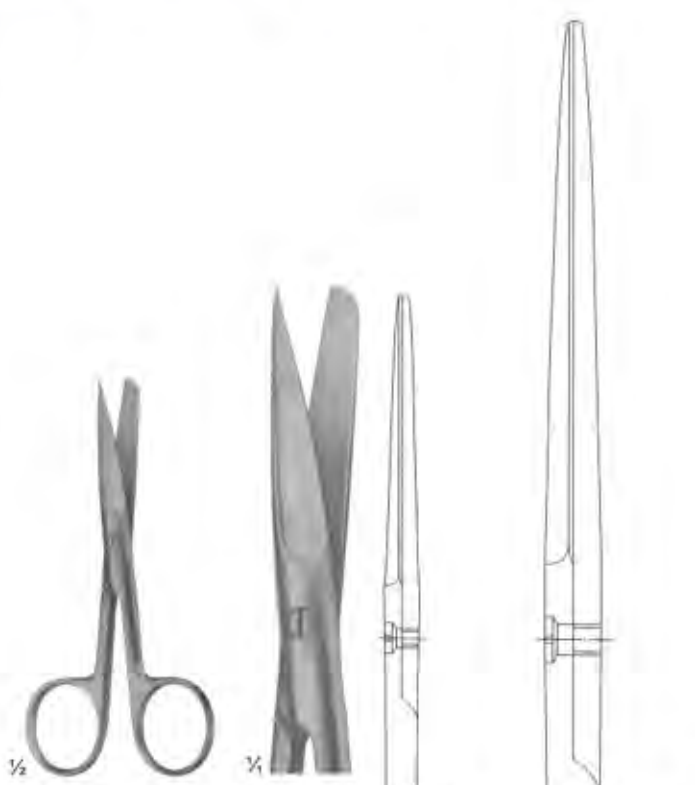


**03-143**



**03-144**

# Surgical Scissors



**03-145 - 153 (Standard types)**  
 03-145 ( 105 mm )  
 03-146 ( 115 mm )  
 03-147 ( 130 mm )  
 03-148 ( 145 mm )  
 03-149 ( 150 mm )  
 03-150 ( 165 mm )  
 03-151 ( 175 mm )  
 03-152 ( 185 mm )  
 03-153 ( 200 mm )

**03-145**  
Size: 105 mm

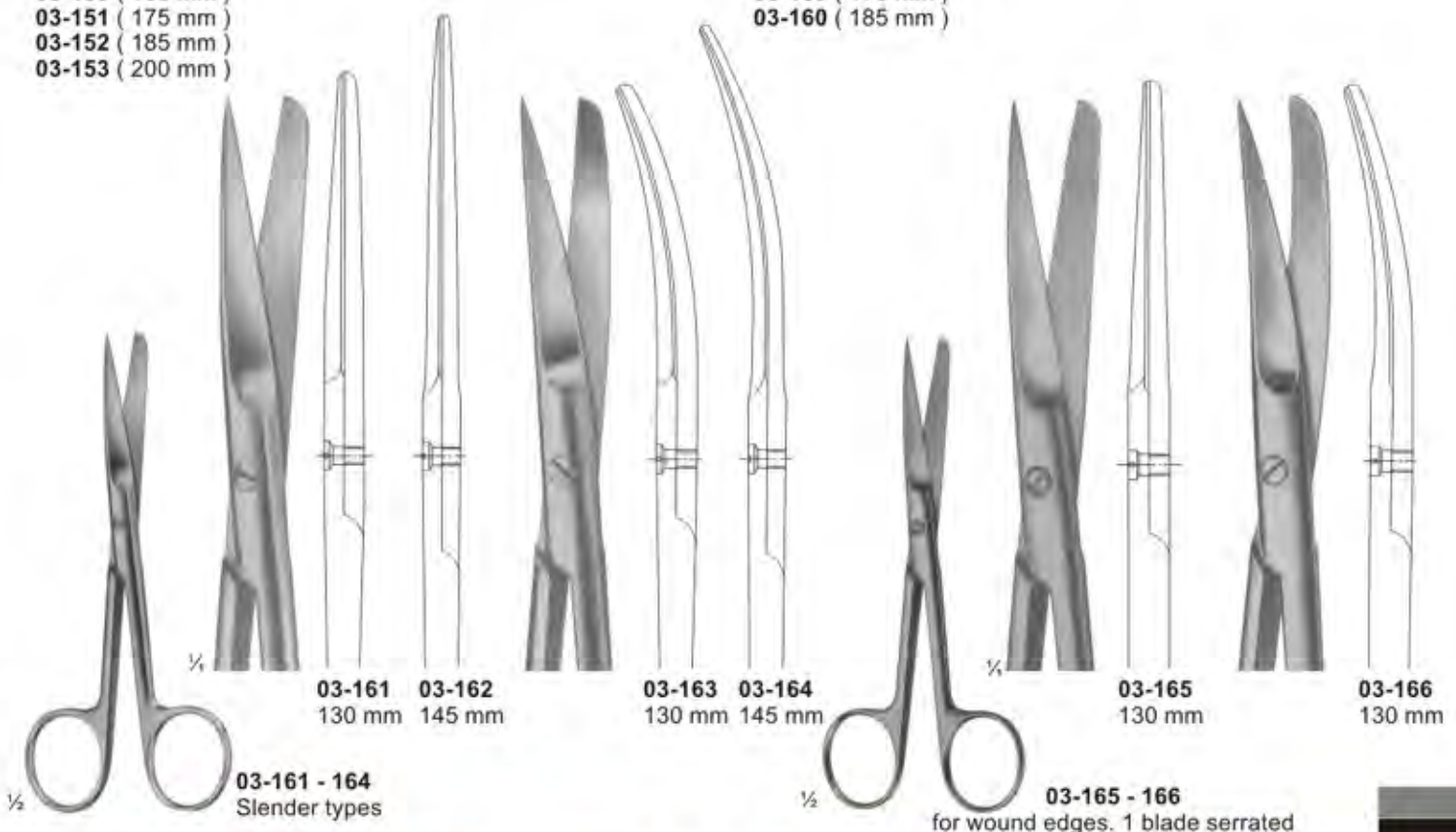
**03-153**  
Size: 200 mm



**03-154 - 160 (Standard types)**  
 03-154 ( 115 mm )  
 03-155 ( 130 mm )  
 03-156 ( 145 mm )  
 03-157 ( 150 mm )  
 03-158 ( 165 mm )  
 03-159 ( 175 mm )  
 03-160 ( 185 mm )

**03-154**  
Size: 115 mm

**03-160**  
Size: 185 mm



**03-161 - 164**  
Slender types

**03-161**  
130 mm

**03-162**  
145 mm

**03-163 - 164**  
130 mm 145 mm

**03-165 - 166**  
for wound edges. 1 blade serrated

**03-165**  
130 mm

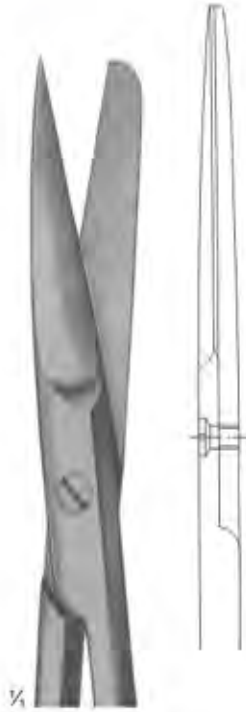
**03-166**  
130 mm



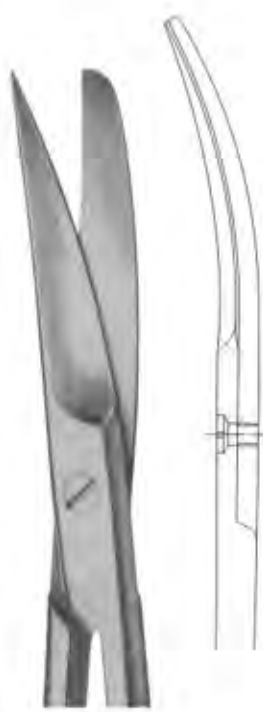
# Surgical Scissors



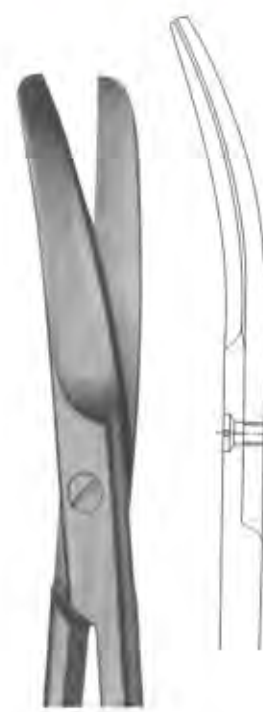
**03-167 - 169**  
DEAVER  
with flat lock



**03-167**  
Size: 145 mm



**03-168**  
Size: 145 mm



**03-169**  
Size: 145 mm



**03-170 - 172**  
Incision scissors



**03-170**  
Size: 130 mm



**03-171**  
Size: 145 mm



**03-172**  
Size: 165 mm

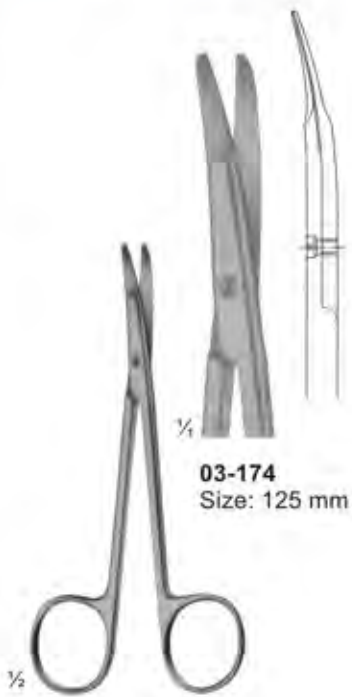


**03-173**  
SYSTRUNK  
Nail splitting scissors



**03-173**  
Size: 130 mm

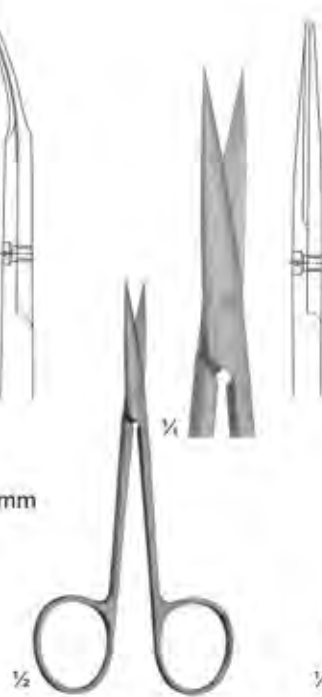
# Dissecting Scissors



**03-174**  
Size: 125 mm



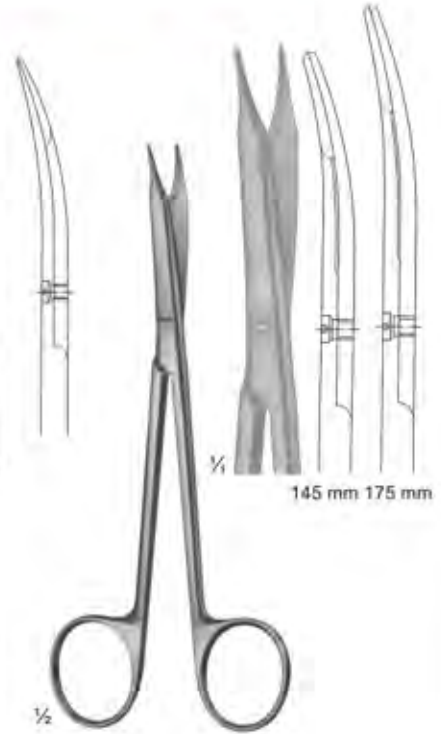
**03-175**  
Size: 150 mm



**03-176**  
KILNER  
Fine dissecting scissors  
Size: 115 mm

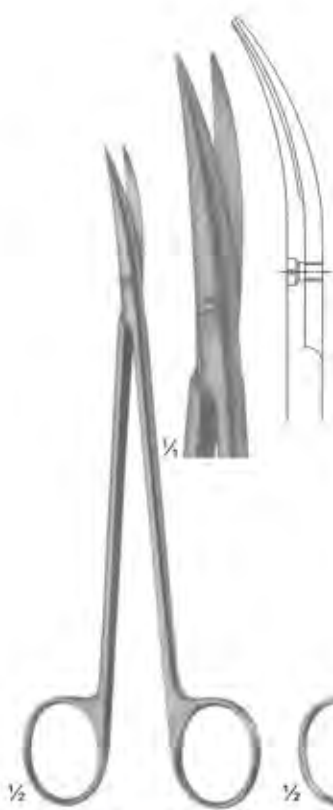


**03-177**  
JAMESON  
Dissecting scissors  
Size: 150 mm



**03-178**  
REYNOLDS  
Dissecting scissors  
Size: 145 - 175 mm

**03-174 - 175**  
KILNER  
Special flat points for dissecting and undermining the skin



**03-179**  
DE BAKEY  
Arteriotomy scissors  
Size: 175 mm



**03-180 - 181**  
TOENNIS ADSON  
Dissecting scissors  
Size: 175 mm



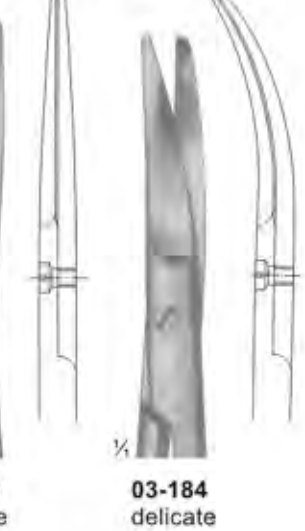
**03-181**  
delicate



**03-182 - 184**  
TOENNIS  
Dissecting scissors  
Size: 180 mm

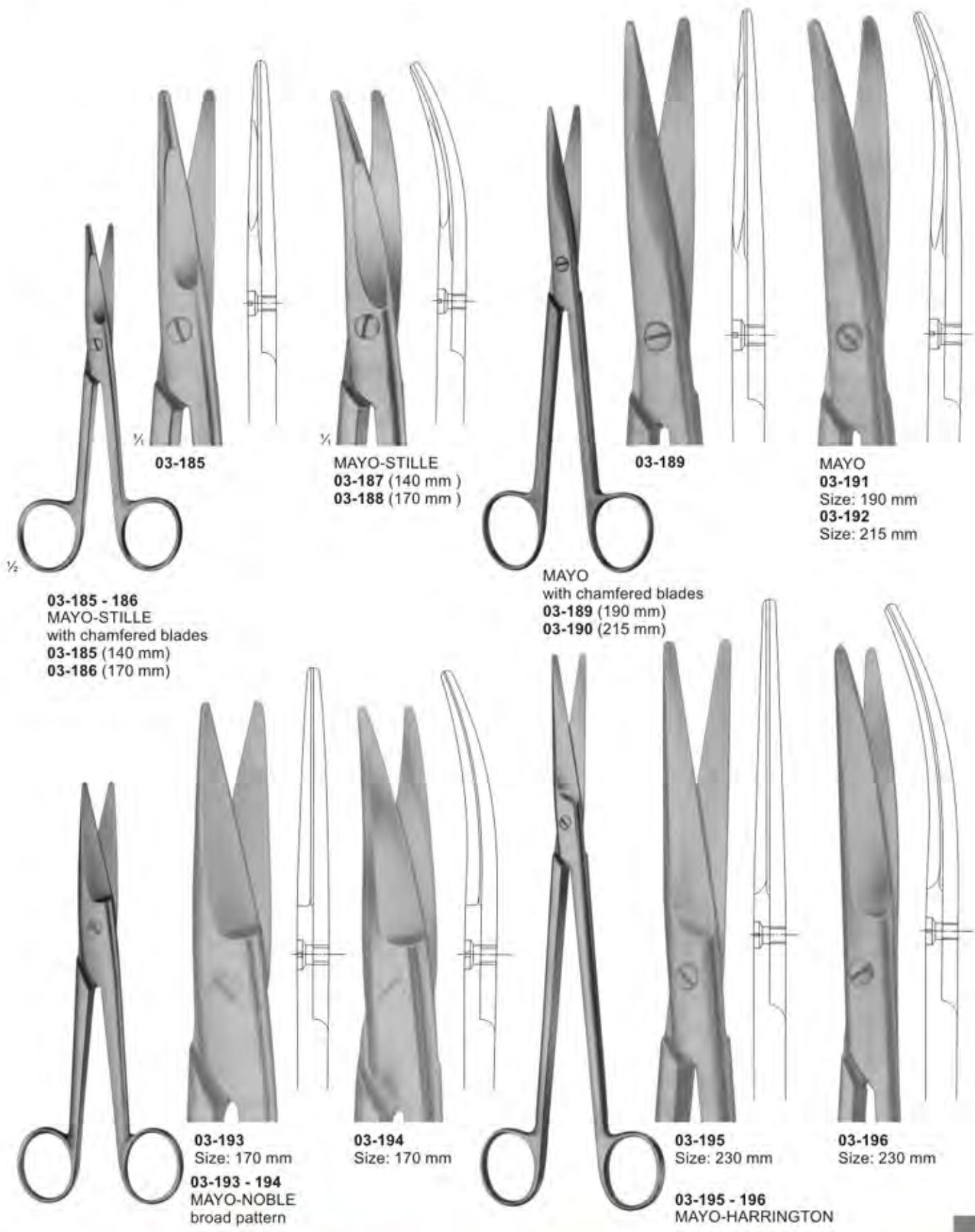


**03-183**  
delicate



**03-184**  
delicate

# Dissecting Scissors



**03-185**

**MAYO-STILLE**  
**03-187 (140 mm)**  
**03-188 (170 mm)**

**03-189**

**MAYO**  
**03-191**  
Size: 190 mm  
**03-192**  
Size: 215 mm

**03-185 - 186**  
**MAYO-STILLE**  
with chamfered blades  
**03-185 (140 mm)**  
**03-186 (170 mm)**

**MAYO**  
with chamfered blades  
**03-189 (190 mm)**  
**03-190 (215 mm)**

**03-193**  
Size: 170 mm

**03-194**  
Size: 170 mm

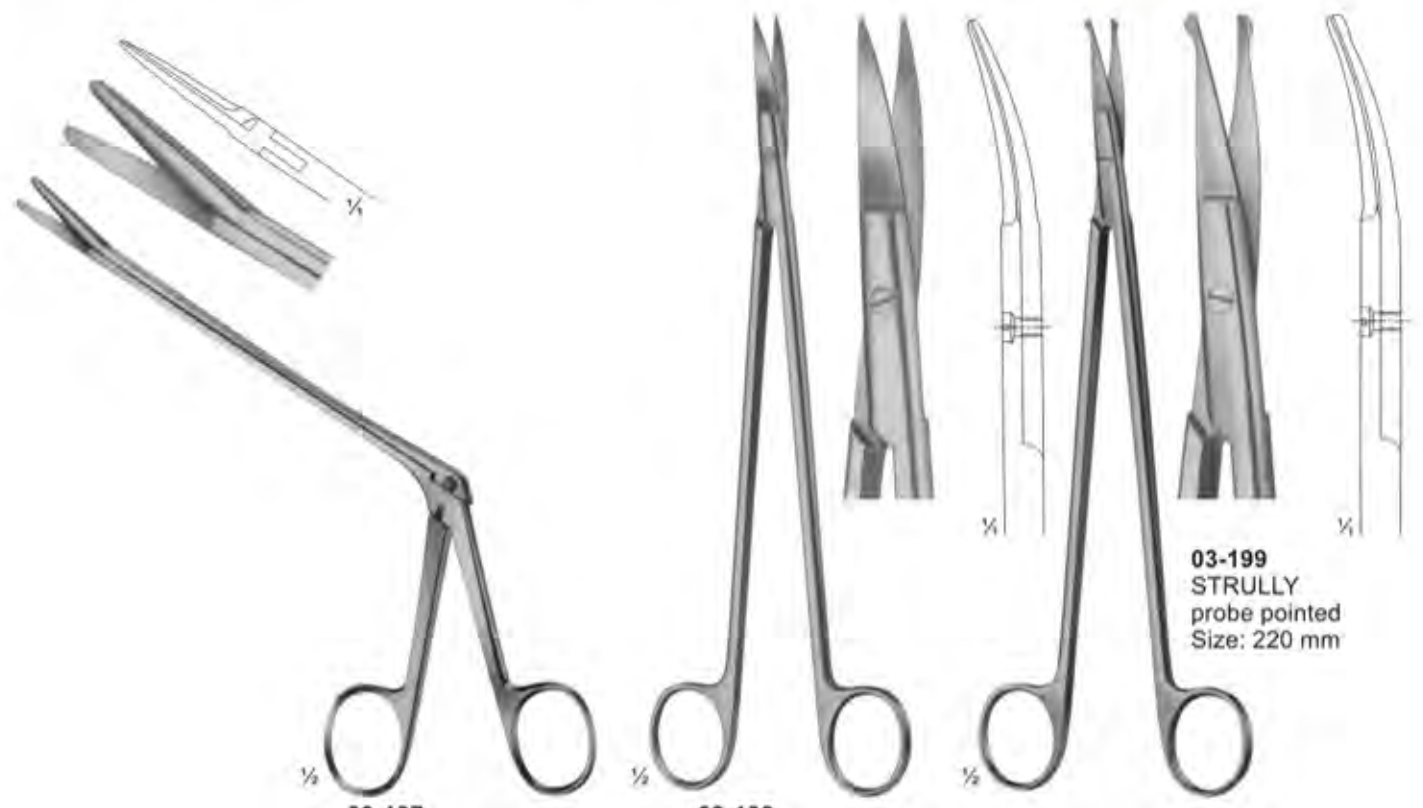
**03-195**  
Size: 230 mm

**03-196**  
Size: 230 mm

**03-193 - 194**  
**MAYO-NOBLE**  
broad pattern

**03-195 - 196**  
**MAYO-HARRINGTON**

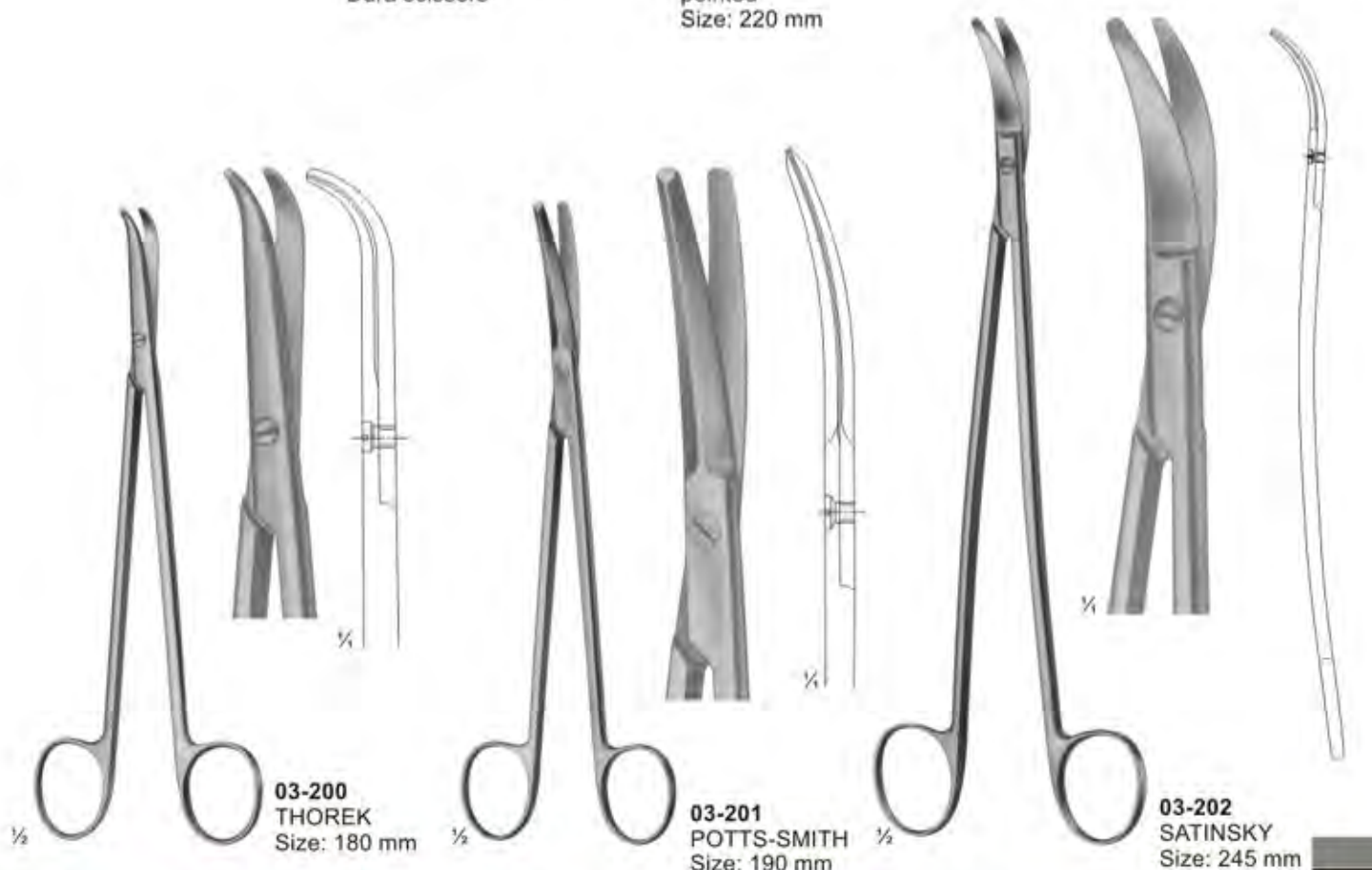
# Scissors for Cardiovascular and Neuro-Surgery



**03-197**  
OLIVECRONA  
Dura scissors

**03-198**  
STRULLY  
pointed  
Size: 220 mm

**03-199**  
STRULLY  
probe pointed  
Size: 220 mm

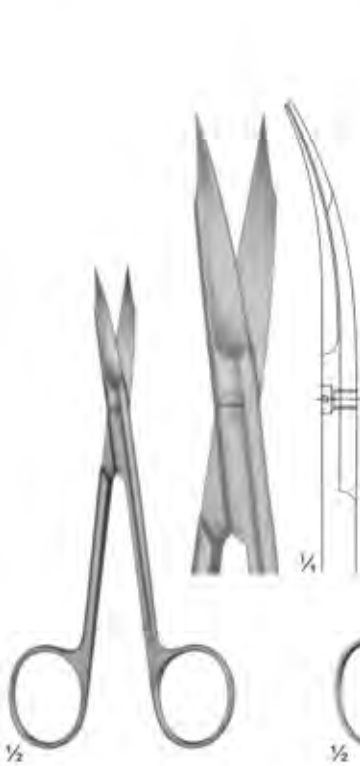


**03-200**  
THOREK  
Size: 180 mm

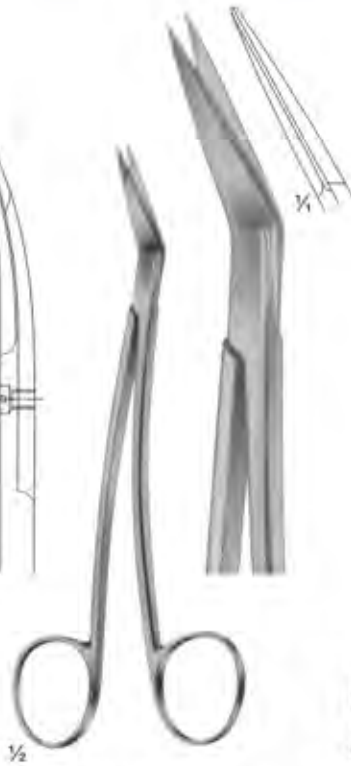
**03-201**  
POTTS-SMITH  
Size: 190 mm

**03-202**  
SATINSKY  
Size: 245 mm

## Delicate, Nasal and Tonsil Scissors



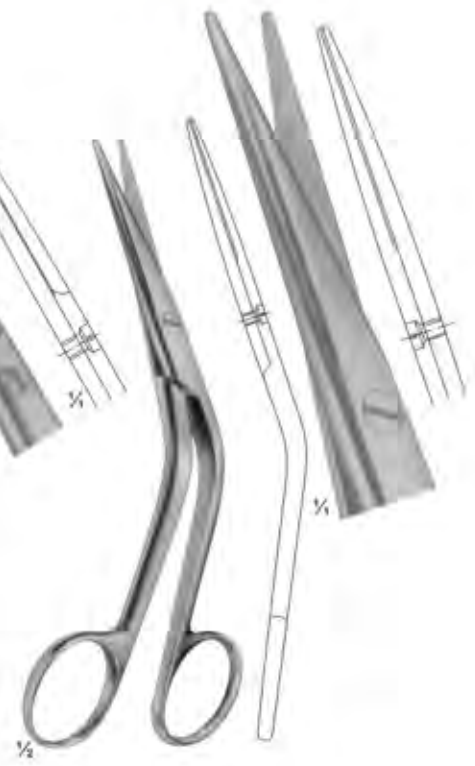
**03-203**  
1 finely toothed blade  
Size: 130 mm



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



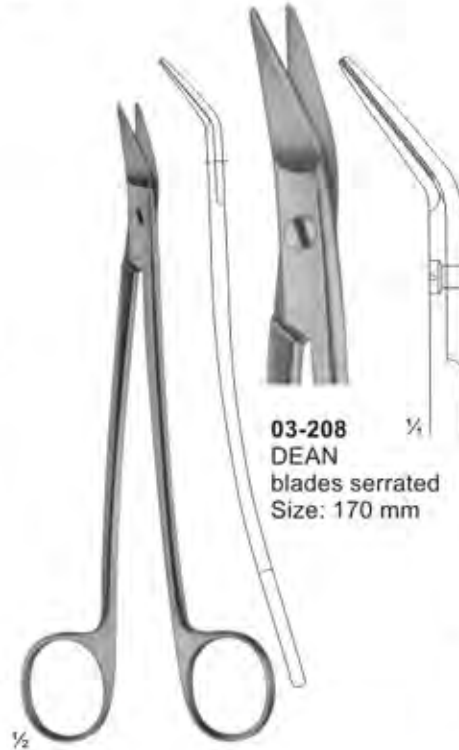
**03-205**  
**FOMON**  
blades serrated  
Size: 145 mm



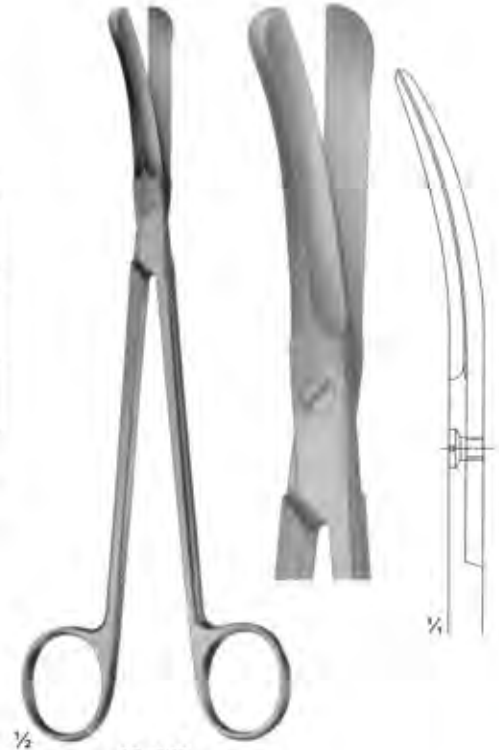
**03-206**  
**COTTLE**  
Size: 165 mm



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

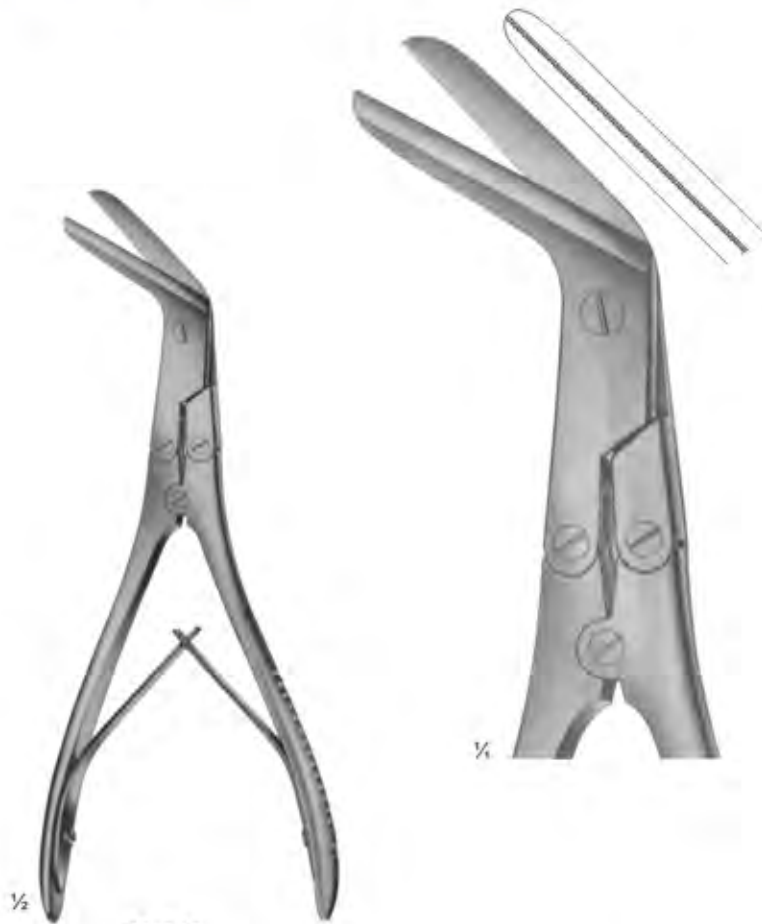


**03-208**  
**DEAN**  
blades serrated  
Size: 170 mm



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

# Bone Shears



**03-210**  
KILLIAN  
Size: 200 mm



**03-211 - 03-212**



**03-211**  
195 mm



1/4

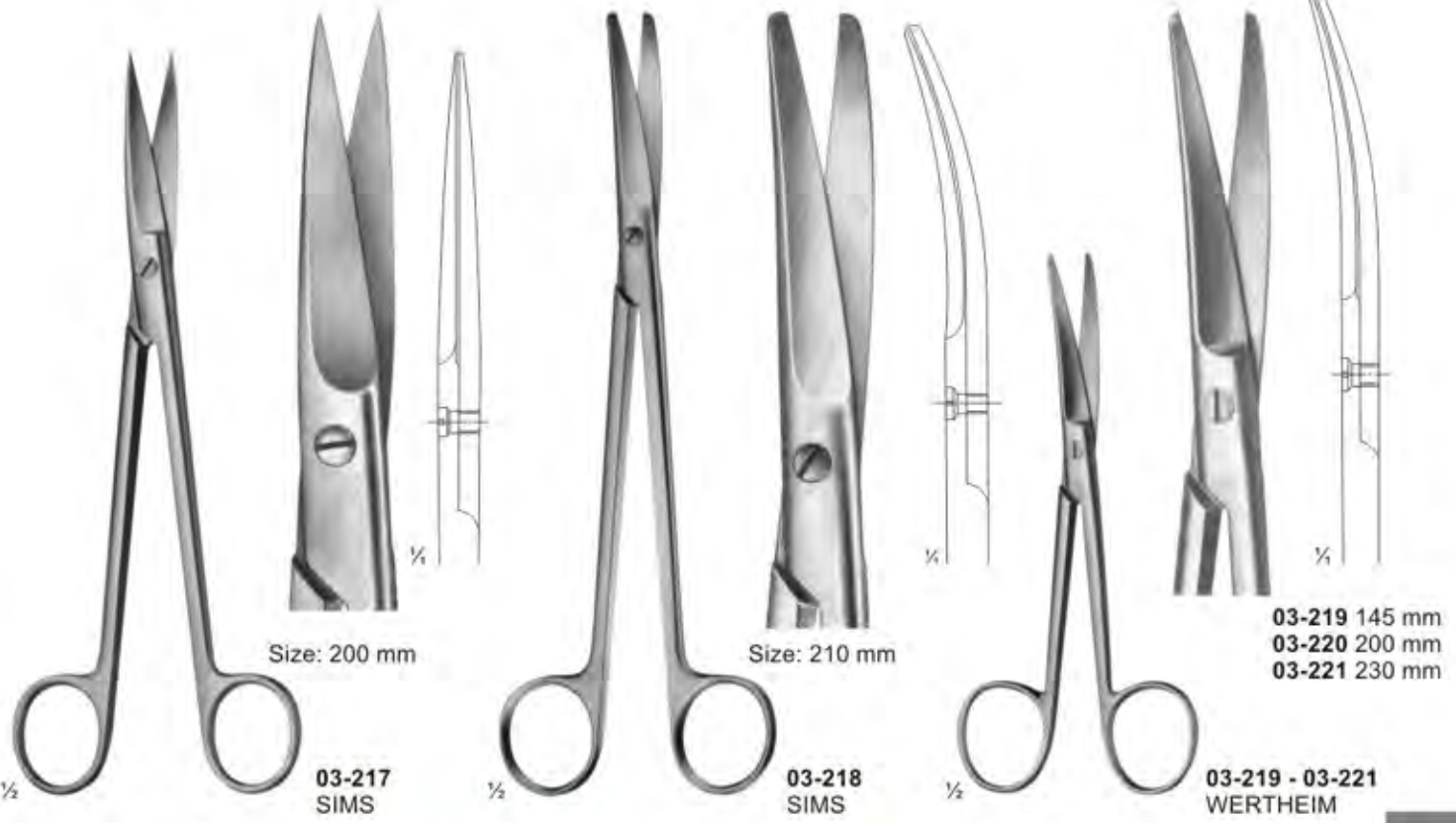
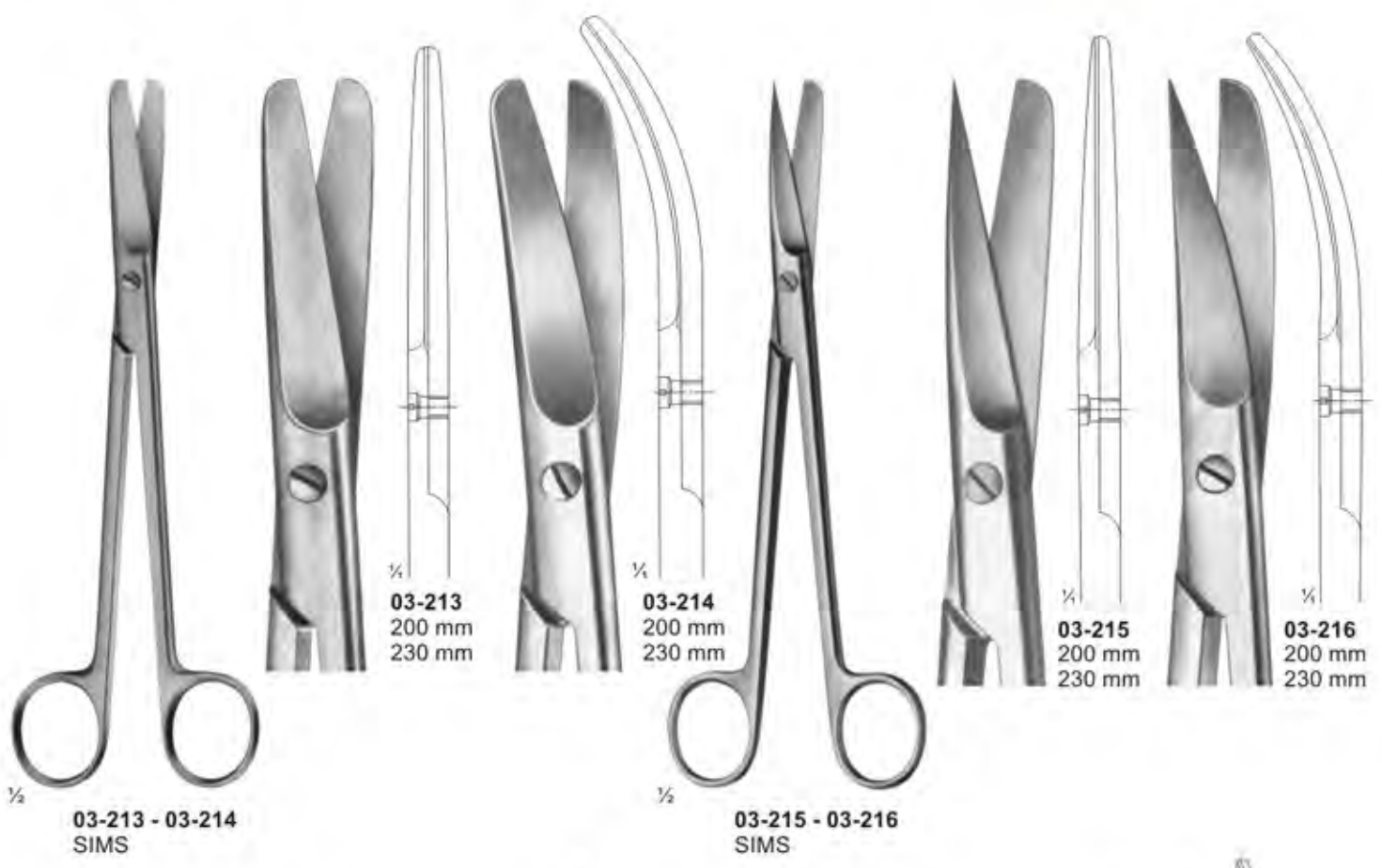


**03-212**  
225 mm



1/4

**Scissors for deep operations and  
for Gynaecology**



## Scissors for Obstetrics



**03-222**  
**SCHUMACHER**  
Umbilical cord scissors  
Size: 155 mm

**03-223**  
Umbilical cord scissors  
Size: 105 mm

**03-224**  
Umbilical cord scissors  
135 mm



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

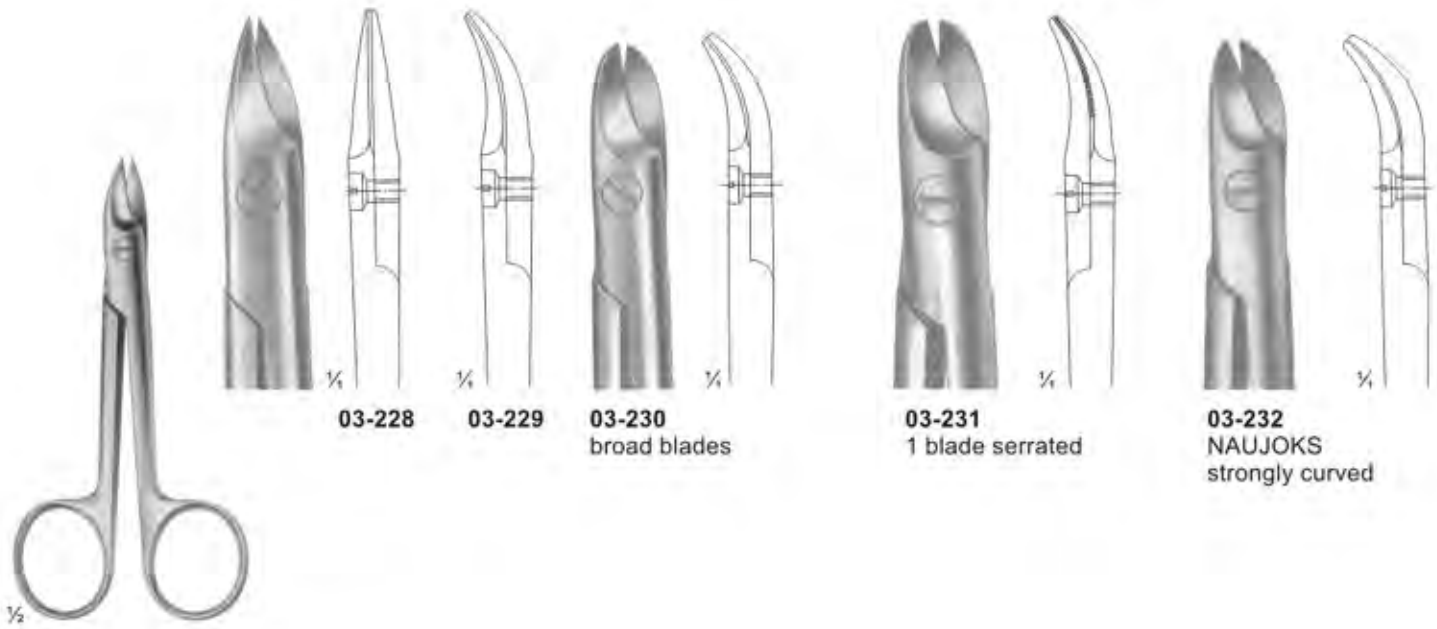
**03-225**  
145 mm

**03-226**  
200 mm

**03-227**  
Episiotomy scissors  
240 mm



## Wire and Plate Scissors



03-228

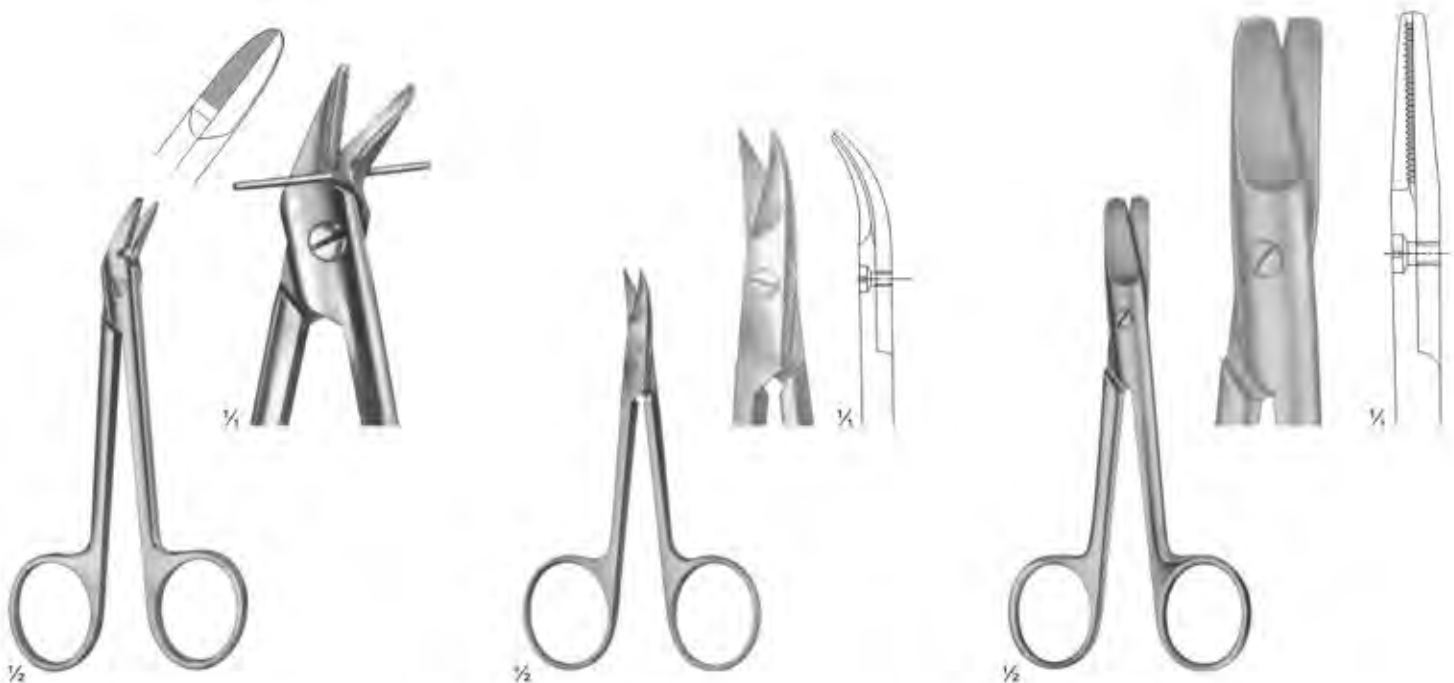
03-229

03-230  
broad blades

03-231  
1 blade serrated

03-232  
NAUJOKS  
strongly curved

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

## Bandage and Cloth Scissors



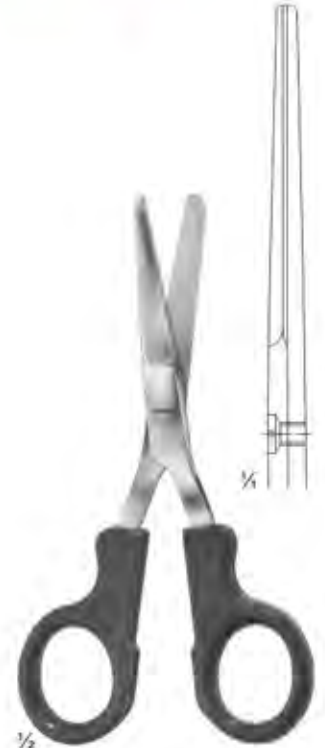
½

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



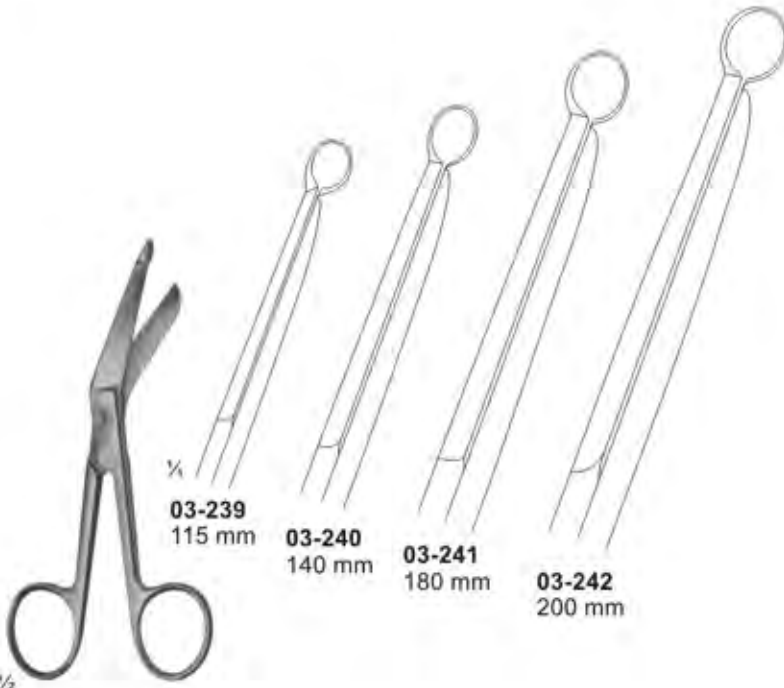
½

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



½

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



½

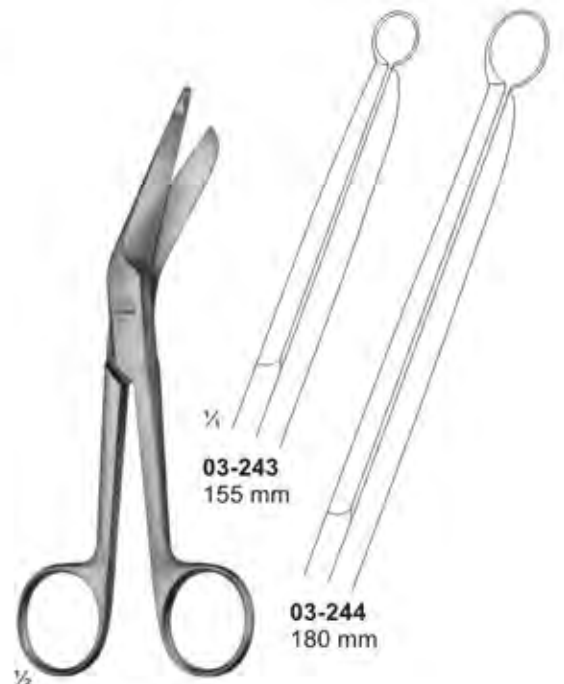
**03-239 - 03-242**  
LISTER

**03-239**  
115 mm

**03-240**  
140 mm

**03-241**  
180 mm

**03-242**  
200 mm



½

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

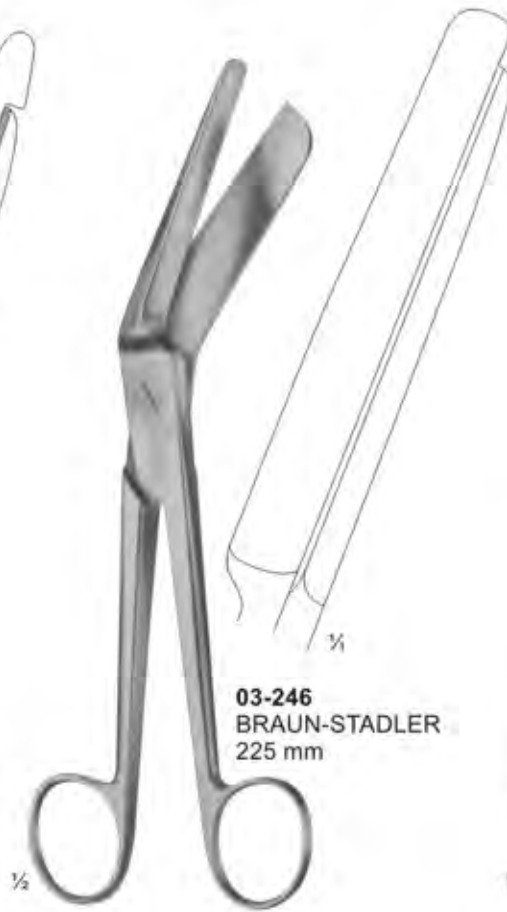
**03-243**  
155 mm

**03-244**  
180 mm

# Bandage-, Cloth-, and Plaster Scissors



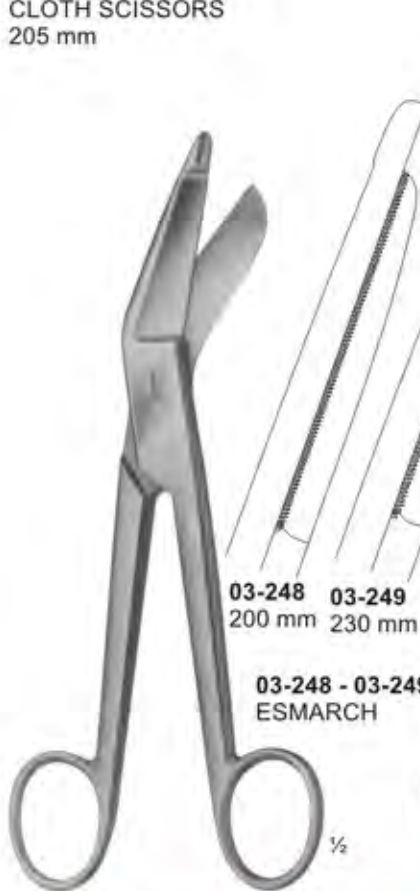
**03-245**  
CLOTH SCISSORS  
205 mm



**03-246**  
BRAUN-STADLER  
225 mm

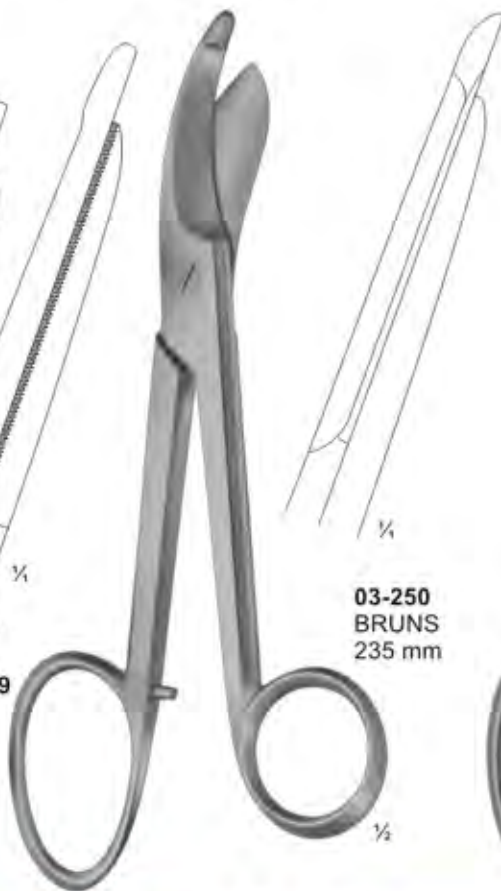


**03-247**  
SEUTIN  
230 mm

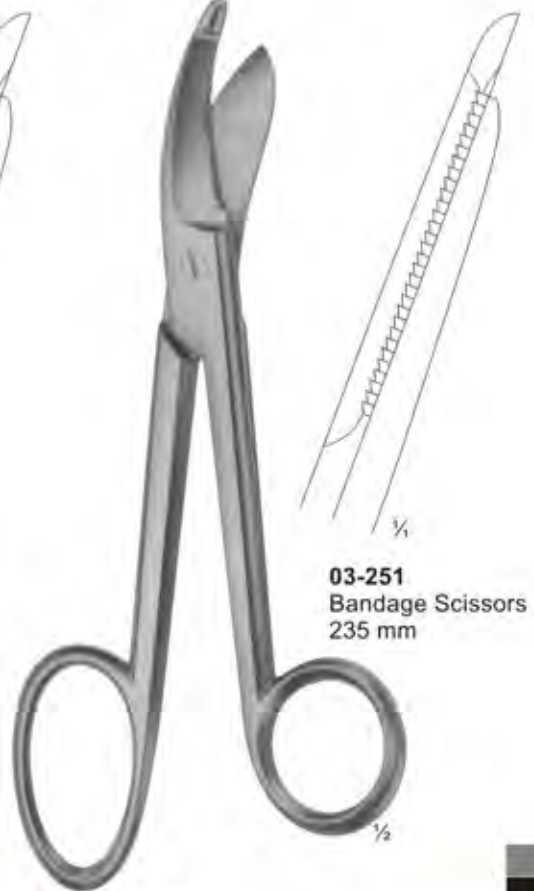


**03-248** 200 mm  
**03-249** 230 mm

**03-248 - 03-249**  
ESMARCH

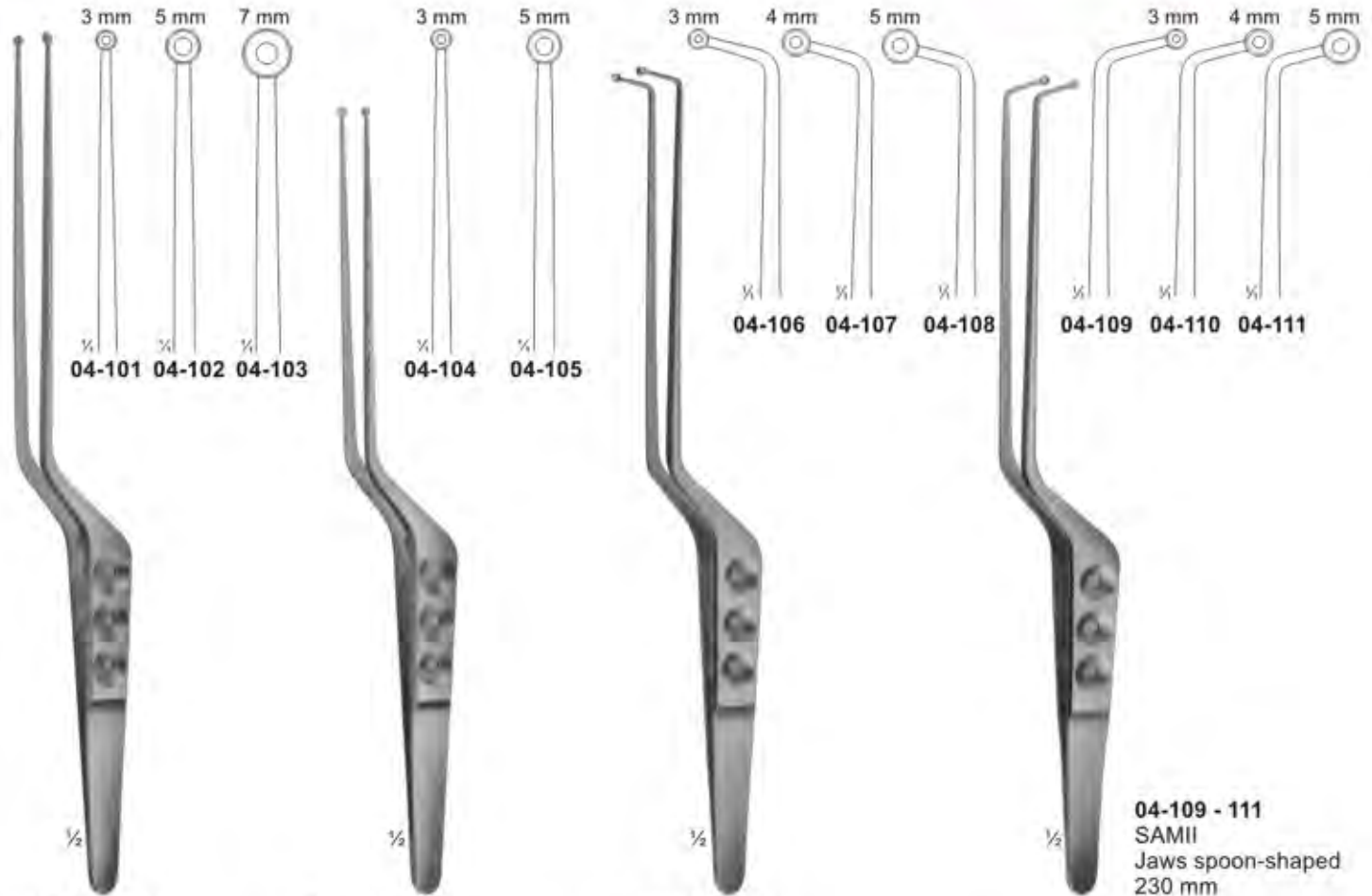


**03-250**  
BRUNS  
235 mm



**03-251**  
Bandage Scissors  
235 mm

**Forceps for grasping tissue, tumors etc.**



**04-101 - 103**  
YASARGIL-SAMII  
Jaws spoon-shaped  
240 mm

**04-104 - 105**  
YASARGIL  
Jaws spoon-shaped  
220 mm

**04-106 - 108**  
SAMII  
Jaws spoon-shaped  
230 mm

**04-109 - 111**  
SAMII  
Jaws spoon-shaped  
230 mm



**04-112**  
HUNT  
Tumor-and  
vessel forceps  
200 mm



**04-113**  
HUNT  
Tumor-and  
vessel forceps  
200 mm



**04-114**  
YASARGIL  
Tumor-and  
vessel forceps  
200 mm

**Delicate Dissecting, Microscopic,  
Sterilizing Forceps**



**04-115**  
THORPE  
Corneal forceps  
120 mm



**04-116**  
MICRO-ADSON  
120 mm



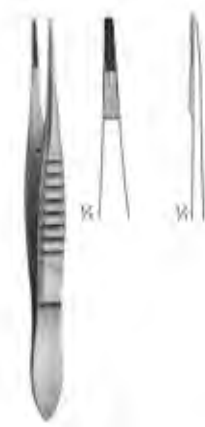
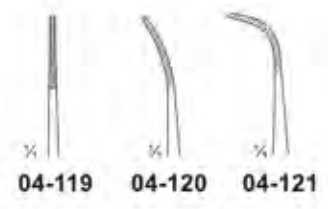
**04-117**  
ADSON  
120 mm



**04-118**  
MICRO-ADSON  
150 mm



**04-119 - 121**  
100 mm



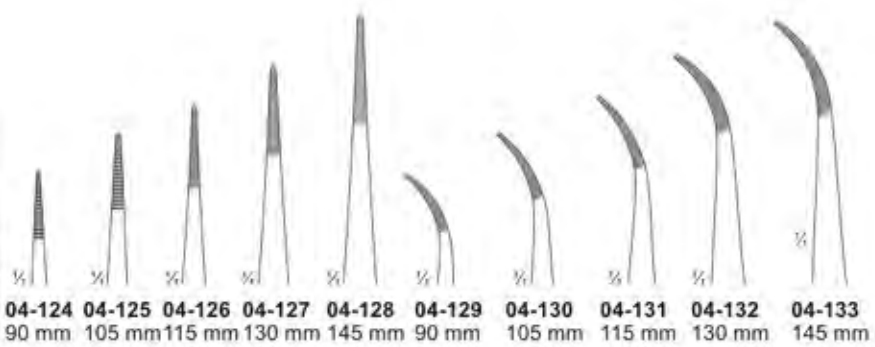
**04-122**  
BONACCOLTO  
110 mm



**04-123**  
115 mm



**04-124 - 133**



**04-124** 90 mm **04-125** 105 mm **04-126** 115 mm **04-127** 130 mm **04-128** 145 mm **04-129** 90 mm **04-130** 105 mm **04-131** 115 mm **04-132** 130 mm **04-133** 145 mm



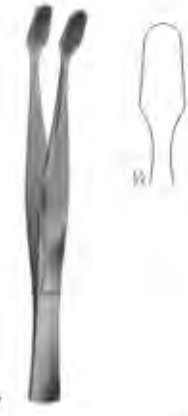
**04-134**  
100 mm



**04-135**  
100 mm



**04-136**  
100 mm

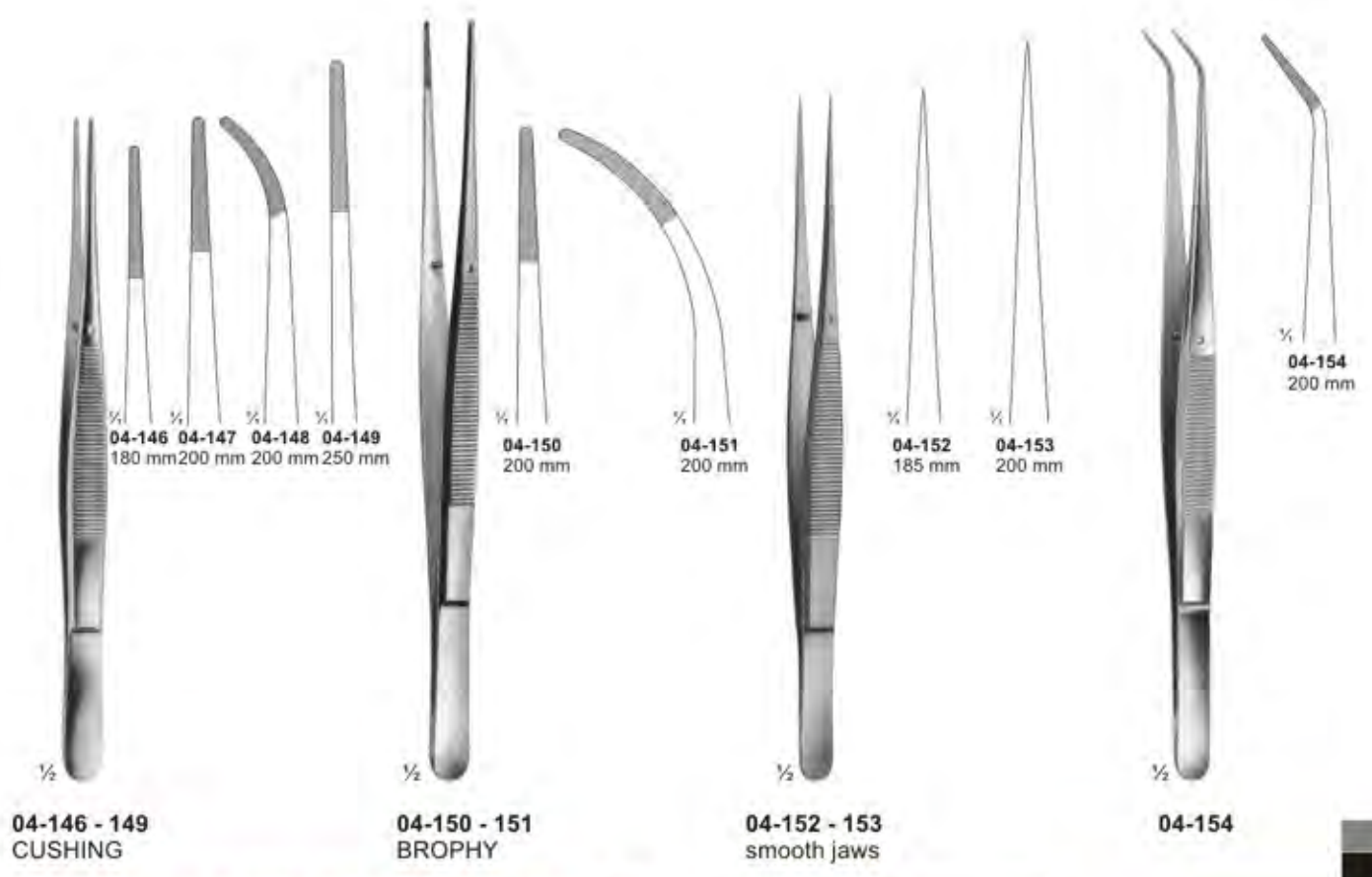
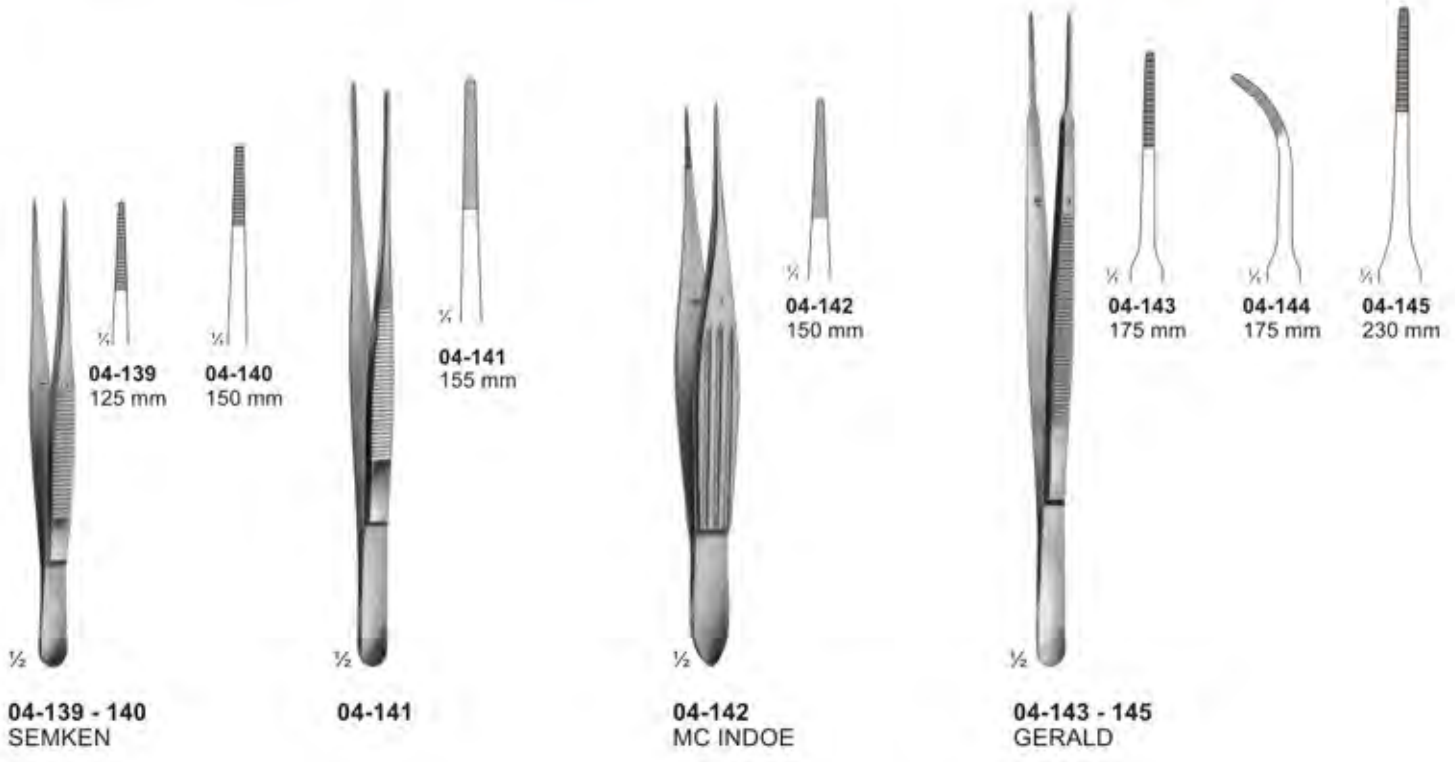


**04-137**  
KUHNE  
Cover glass forceps, 105 mm



**04-138**  
160 mm

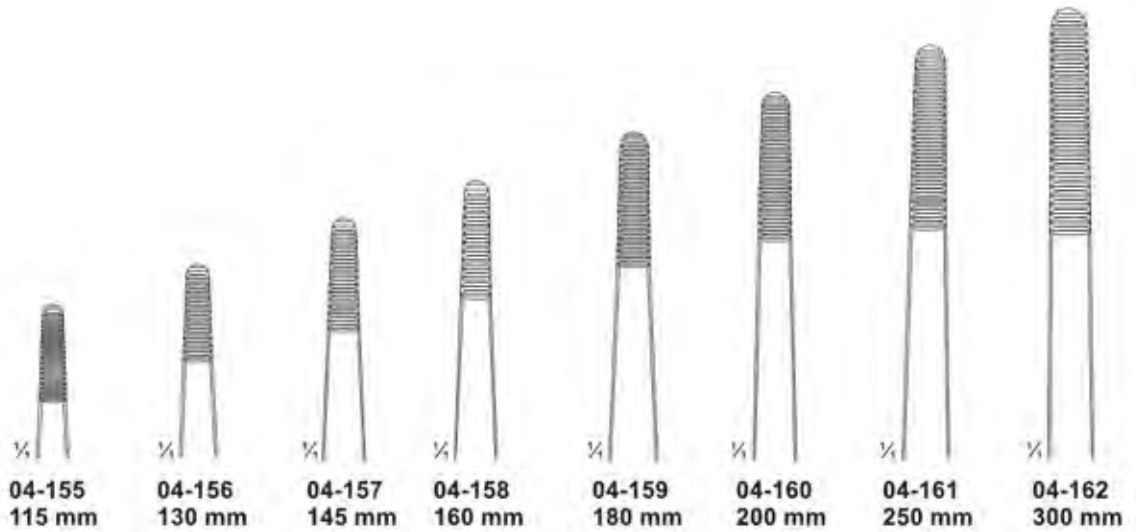
# Delicate Dissecting Forceps



# Dissecting Forceps



1/2



1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
<b>04-155</b>	<b>04-156</b>	<b>04-157</b>	<b>04-158</b>	<b>04-159</b>	<b>04-160</b>	<b>04-161</b>	<b>04-162</b>	
115 mm	130 mm	145 mm	160 mm	180 mm	200 mm	250 mm	300 mm	

**04-155 - 04-162**  
STANDARD



1/2

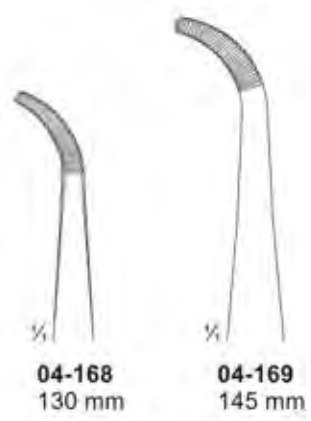


1/4	1/4	1/4	1/4	1/4	1/4
<b>04-163</b>	<b>04-164</b>	<b>04-165</b>	<b>04-166</b>	<b>04-167</b>	
115 mm	130 mm	145 mm	160 mm	305 mm	

**04-163 - 04-167**  
MEDIUM



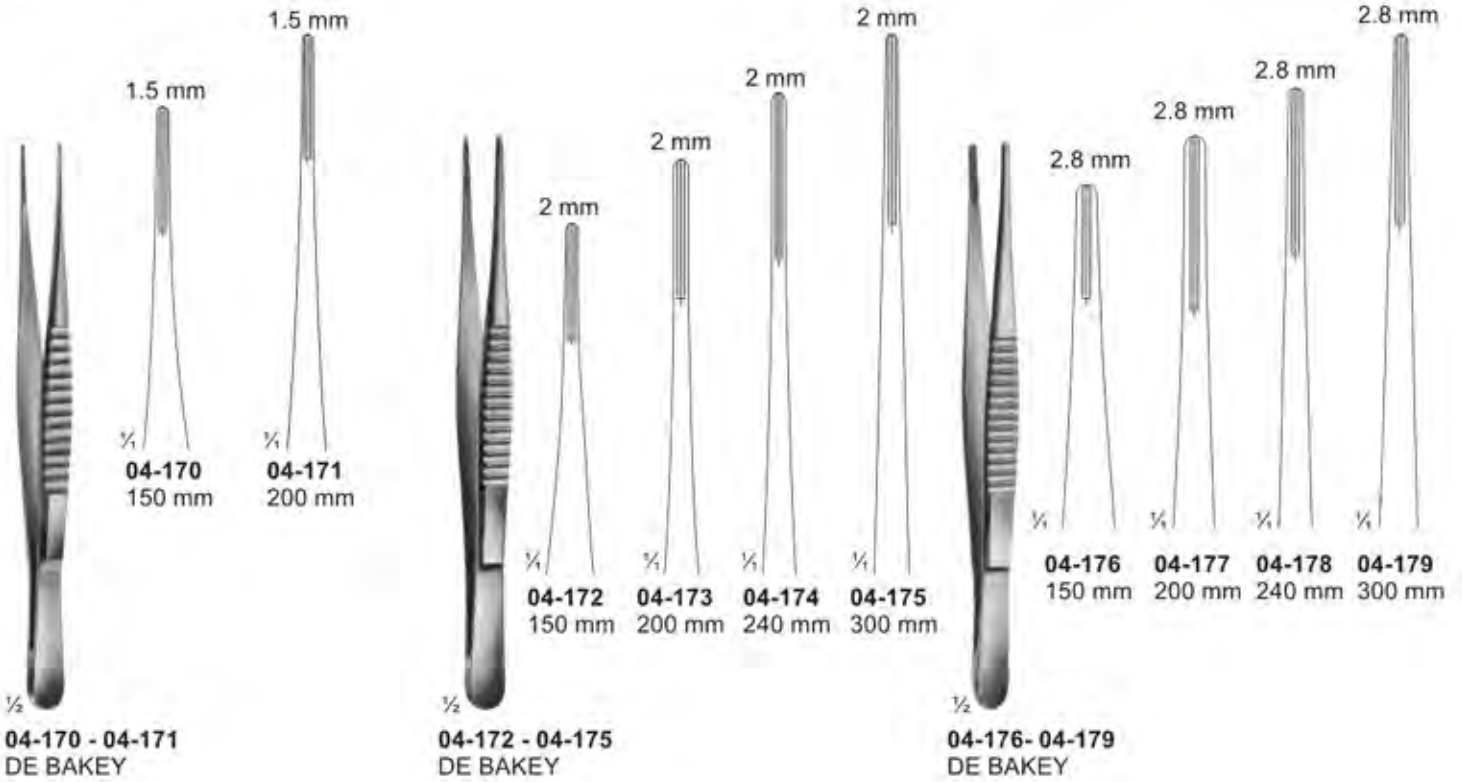
1/2



1/4	1/4
<b>04-168</b>	<b>04-169</b>
130 mm	145 mm

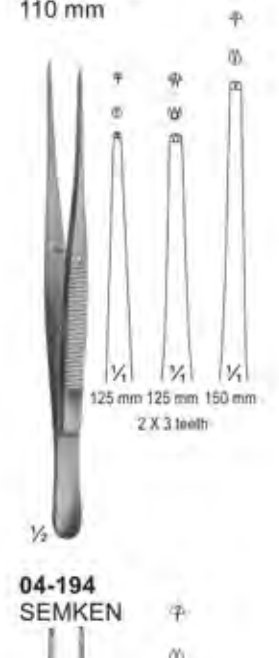
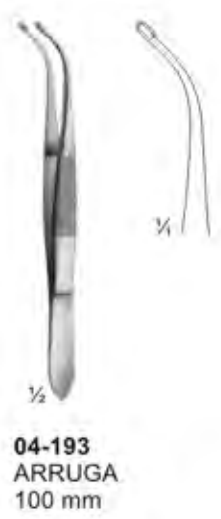
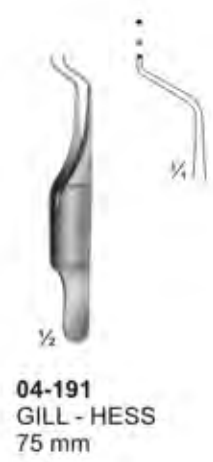
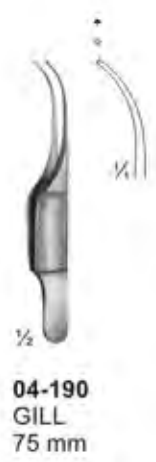
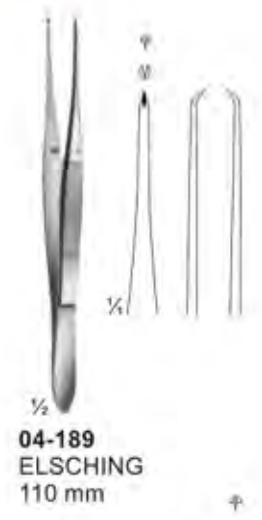
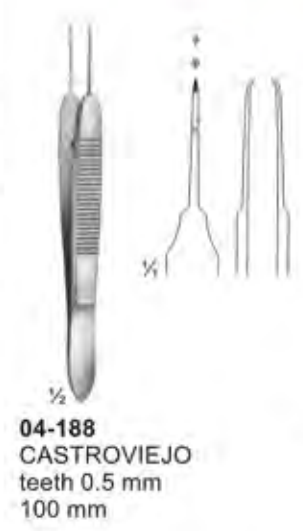
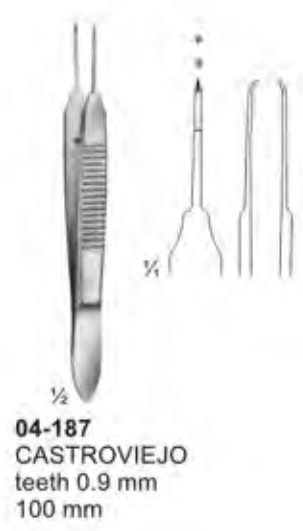
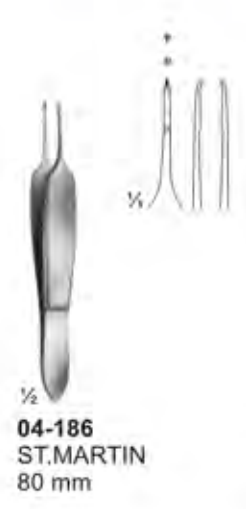
**04-168 - 04-169**  
MEDIUM

# Forceps

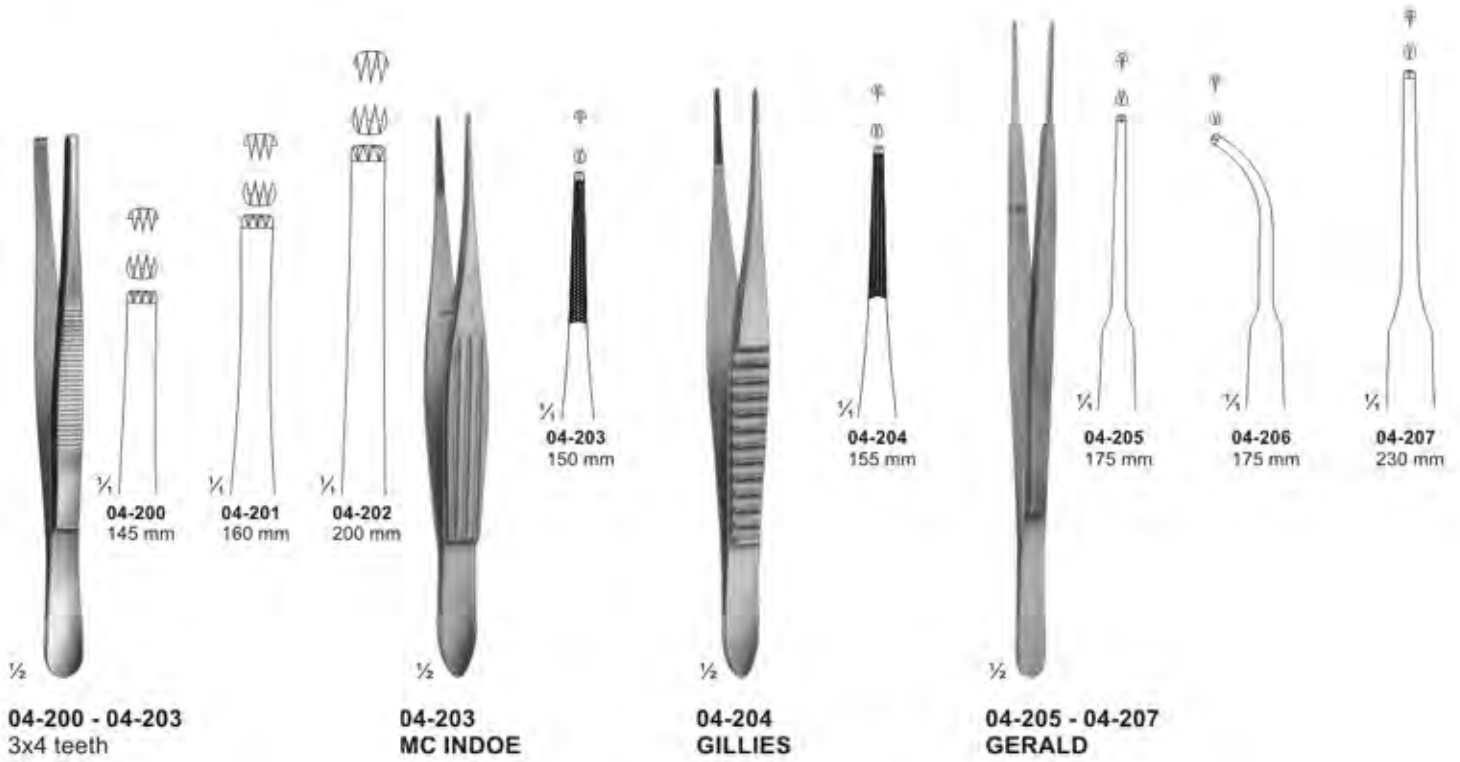




# Delicate Tissue Forceps



# Tissue Forceps



# Tissue Forceps



**04-213**  
**ADSON - BROWN**  
Non-traumatic  
120 mm



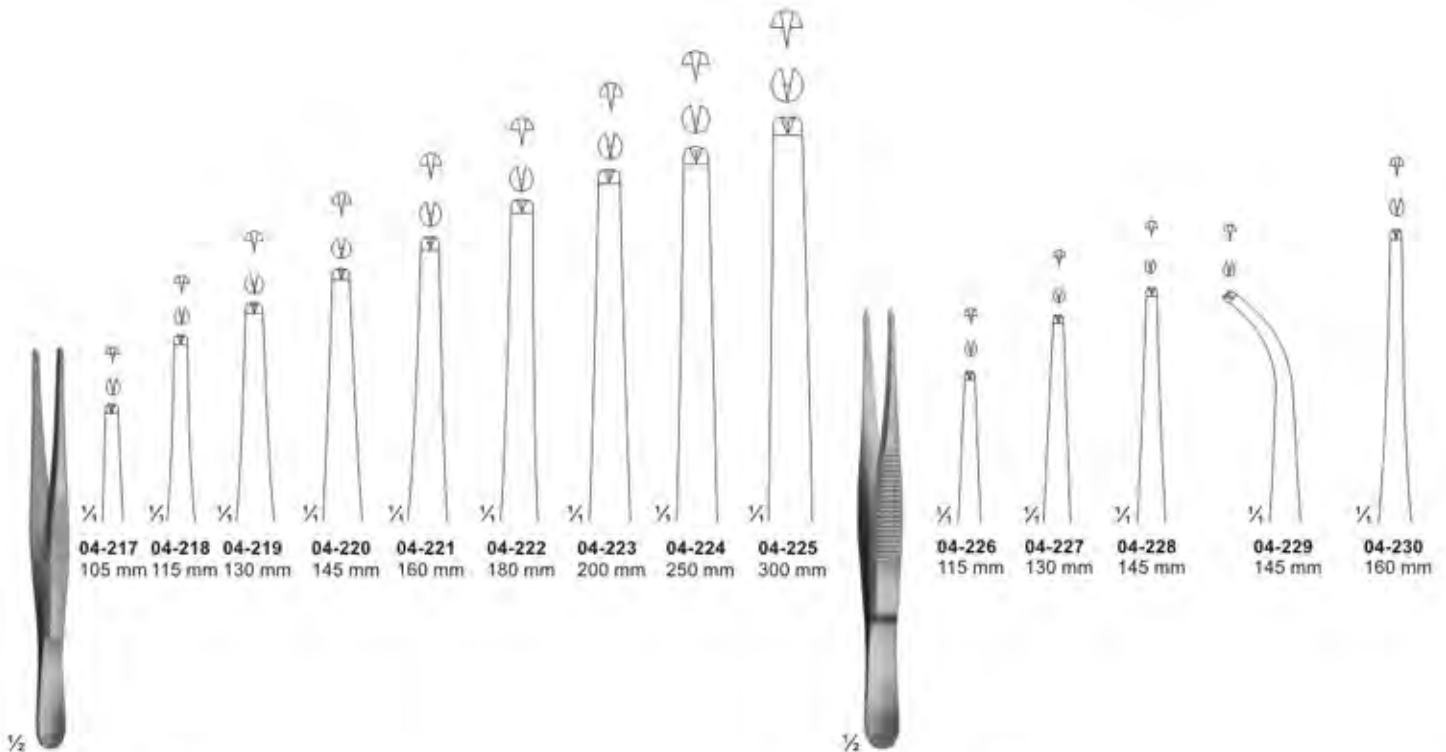
**04-214**  
**BROWN**  
120 mm



**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**  
COTTLE  
Forceps with  
jaws toothed  
and serrated  
140 mm



**04-234**  
JANSEN  
160 mm



**04-235**  
GRUENWALD  
200 mm



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



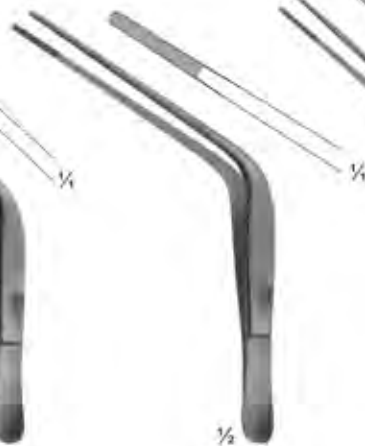
**04-237**  
TROELTSCH  
100 mm



**04-238**  
TROELTSCH  
115 mm



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



**04-240**  
WILDE  
115 mm

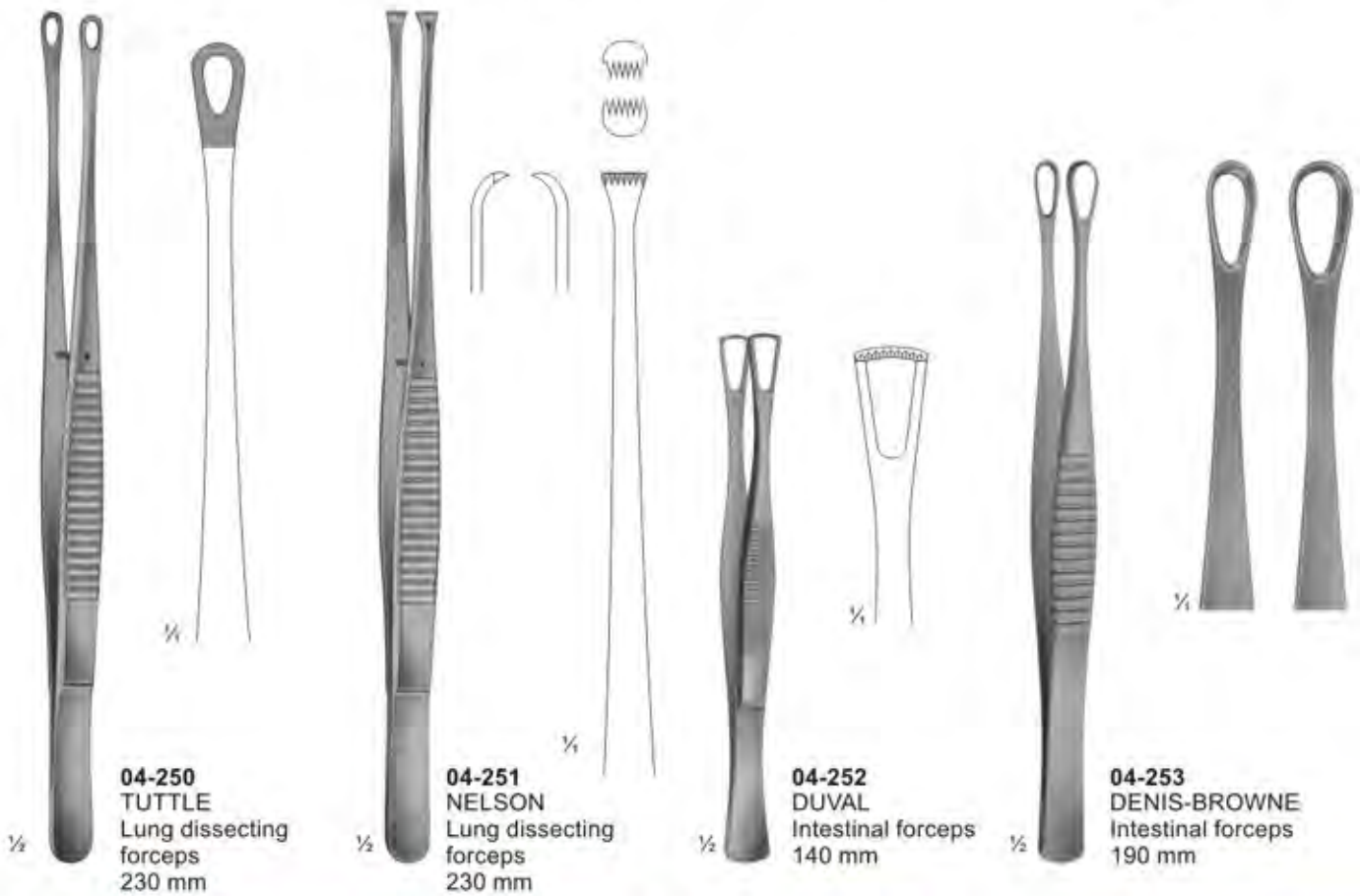
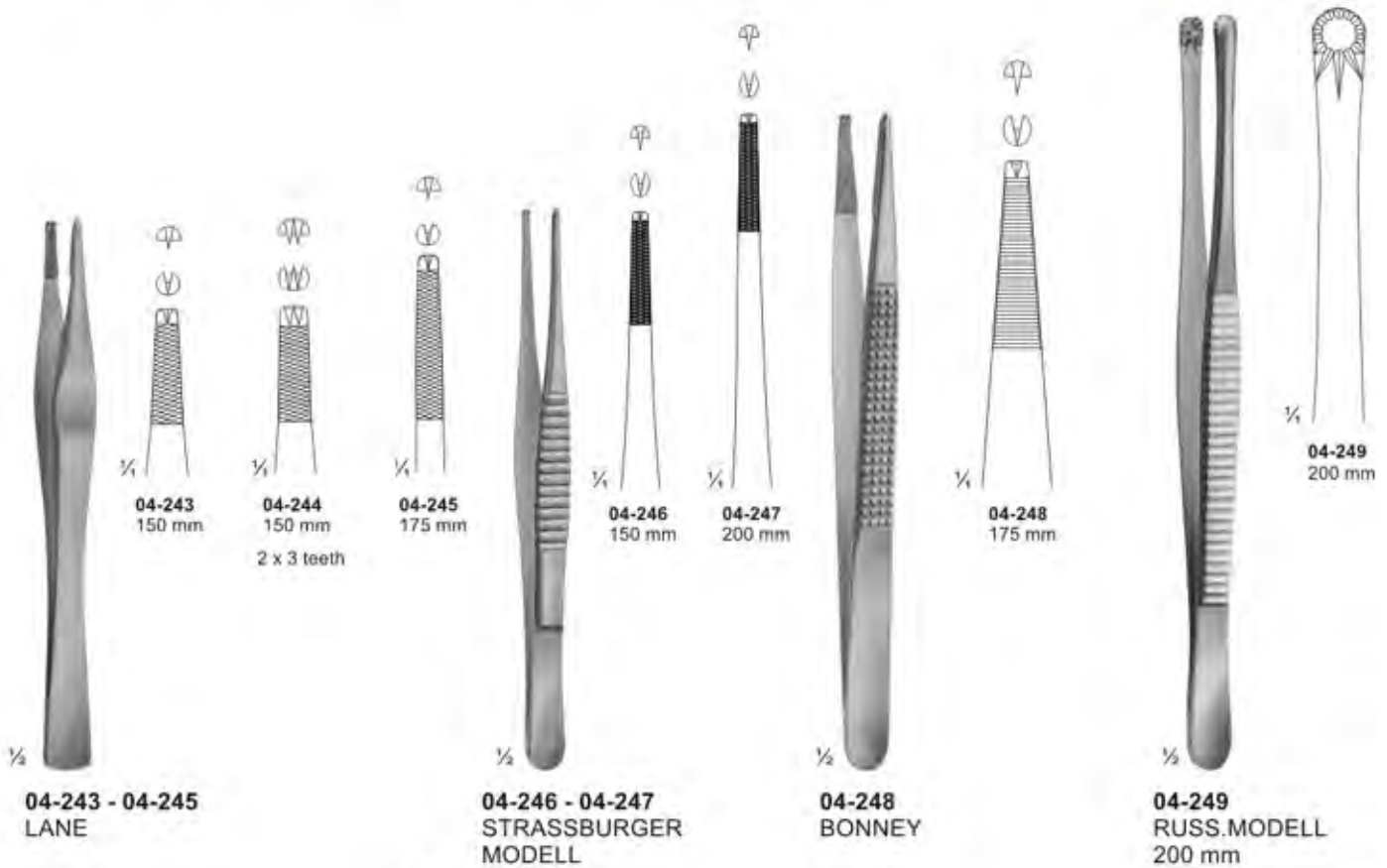


**04-241**  
TROELTSCH  
Cross action  
120 mm

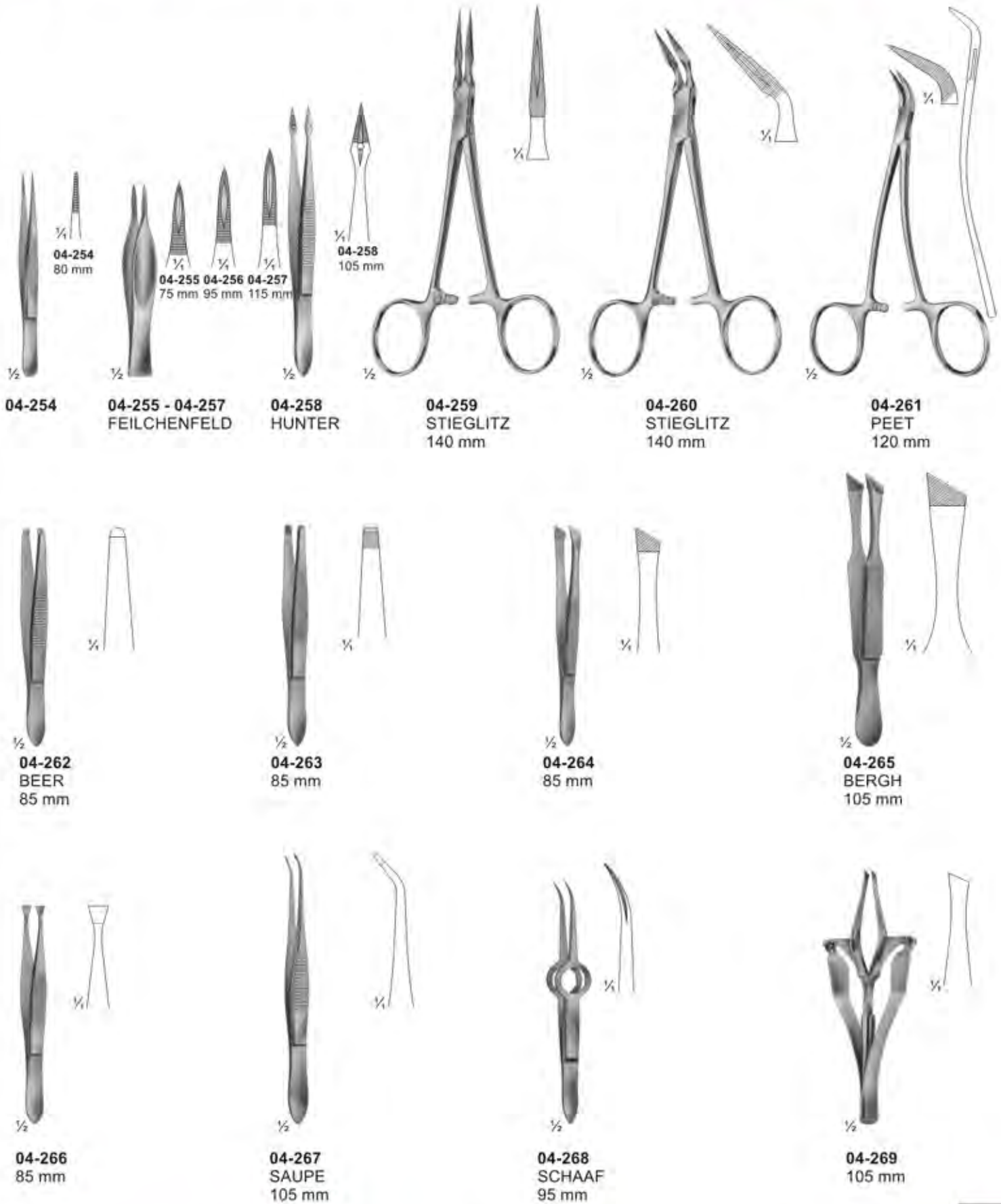


**04-242**  
TROELTSCH  
140 mm

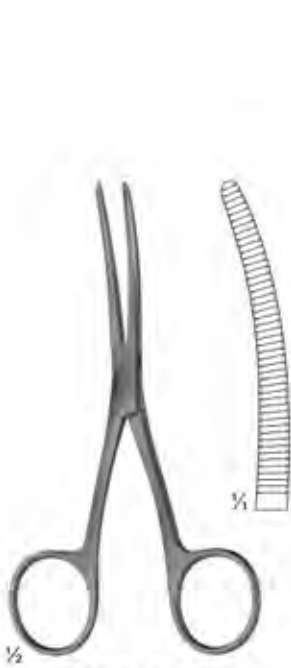
# Tissue Forceps, Lung Dissecting Forceps



# Splinter and Cilia Forceps



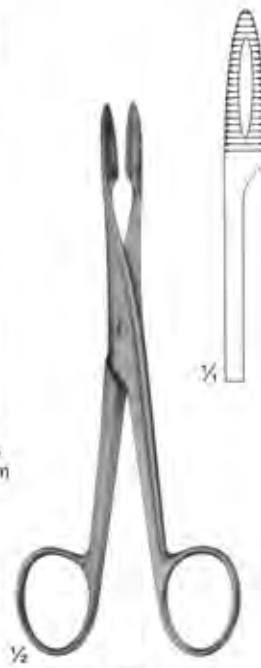
# Sponge and Dressing Forceps



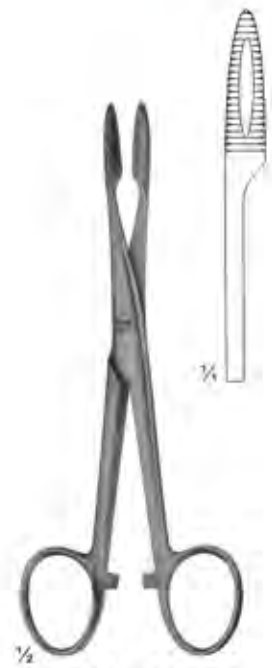
**04-270**  
BRYANT  
130 mm



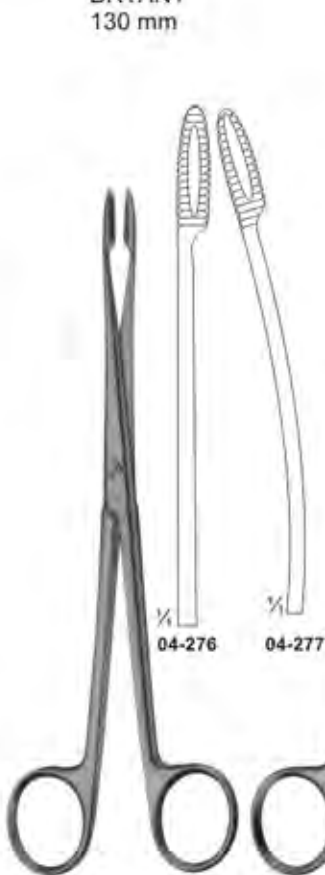
**04-271 - 04-273**  
LISTER  
Sinus forceps



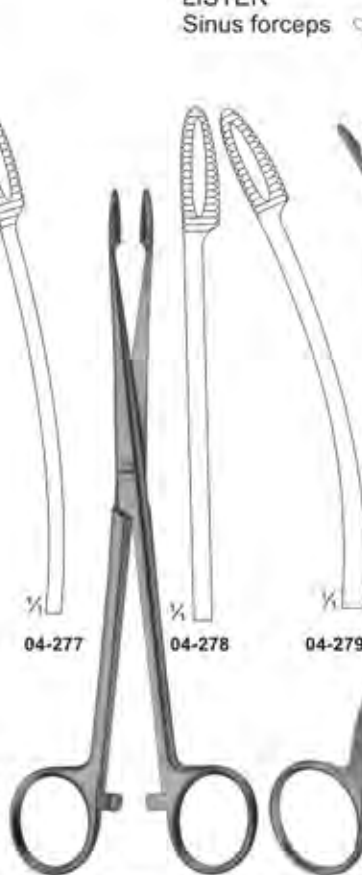
**04-274**  
without ratchet  
145 mm



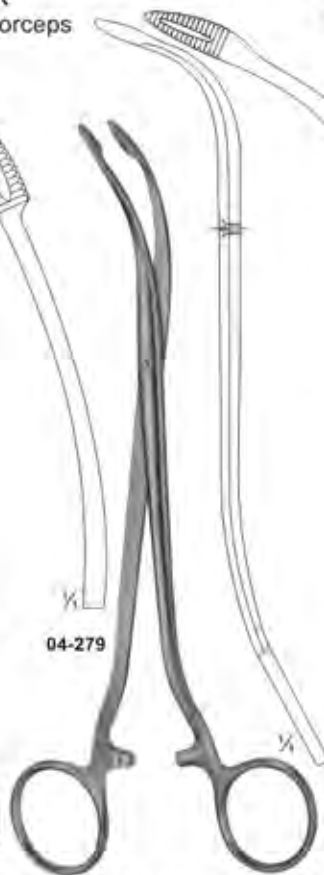
**04-275**  
with ratchet  
145 mm



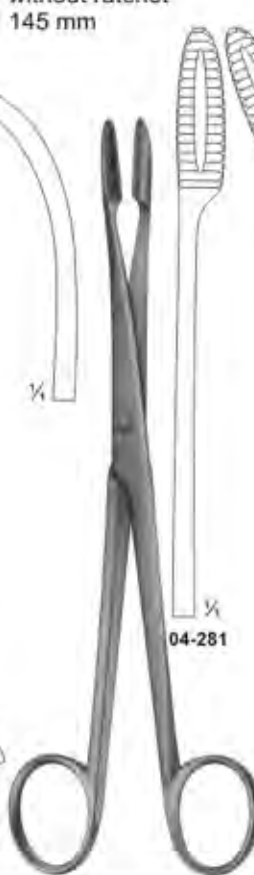
**04-276 - 04-277**  
GROSS  
without ratchet  
180 mm



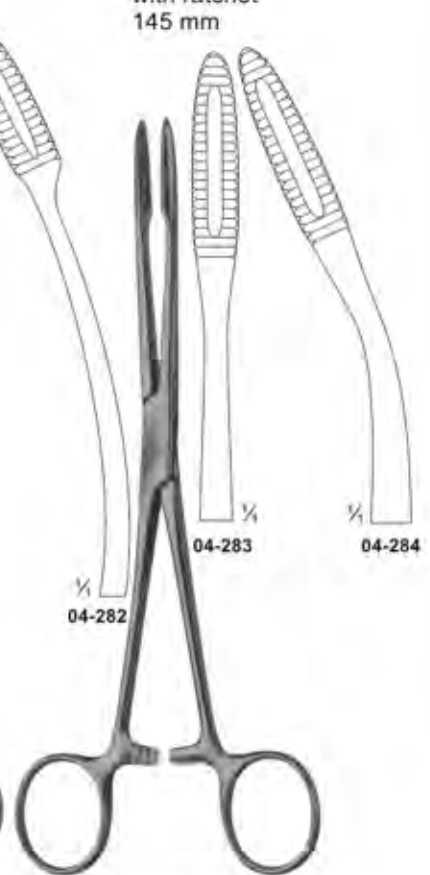
**04-278 - 04-279**  
GROSS  
with ratchet  
180 mm



**04-280**  
DUPLAY  
190 mm

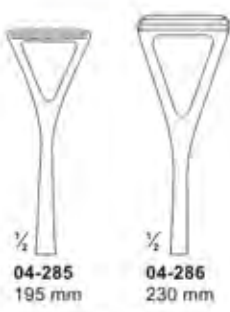
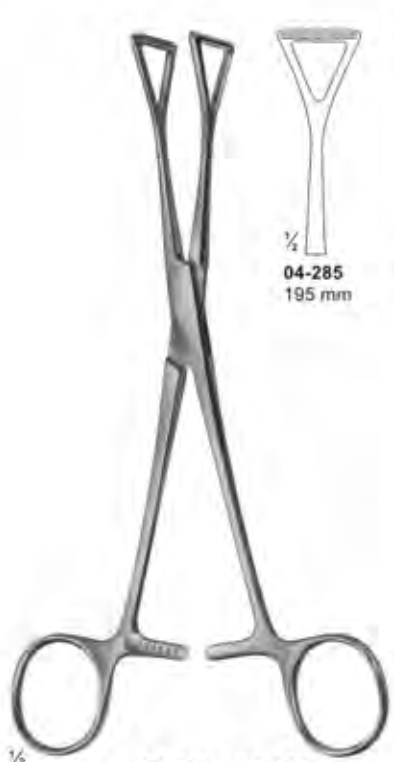


**04-281 - 04-282**  
GROSS  
without ratchet  
200 mm

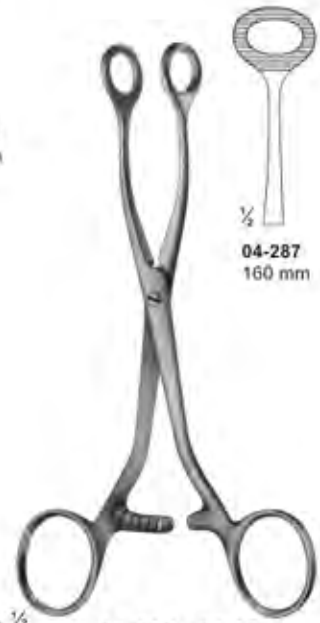


**04-283 - 04-284**  
GROSS  
200 mm

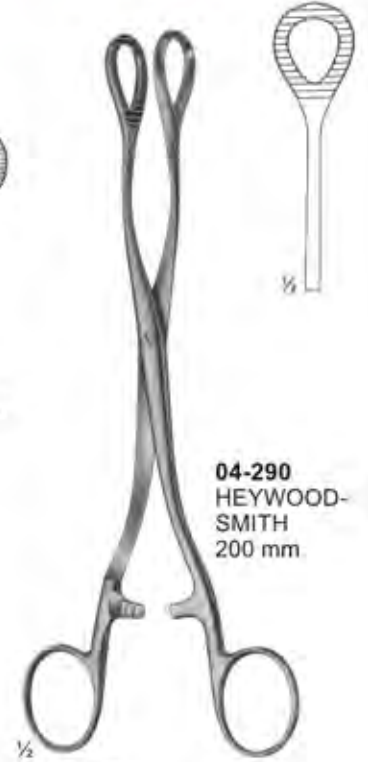
Dressing-, Sponge holding-, Organ- and Tissue Grasping Forceps



04-285 - 04-286  
COLLIN



04-287 - 04-289  
COLLIN



04-290  
HEYWOOD-SMITH  
200 mm



04-291  
NOTO  
280 mm

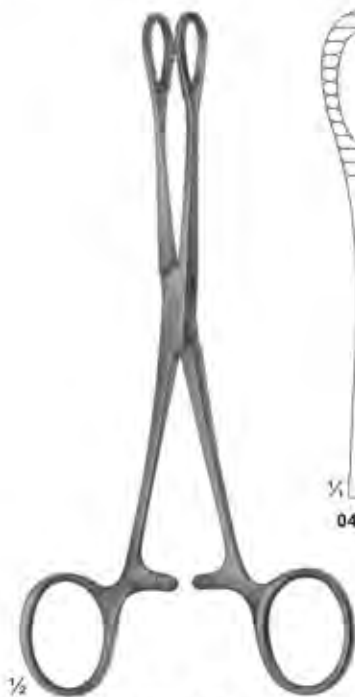


04-292  
KELLY  
320 mm





Dressing, Sponge holding, Organ  
and Tissue Grasping Forceps



04-293



04-294

1/2  
**04-293 - 04-294**  
FOERSTER-BALLENGER  
180 mm



04-295  
180 mm



04-296  
250 mm

1/2  
**04-295 - 04-296**  
RAMPLEY



04-297  
Smooth Jaws



04-298  
Smooth Jaws

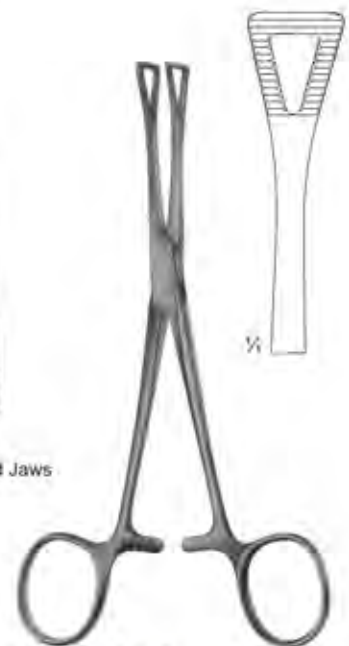


04-299  
Serrated Jaws



04-300  
Serrated Jaws

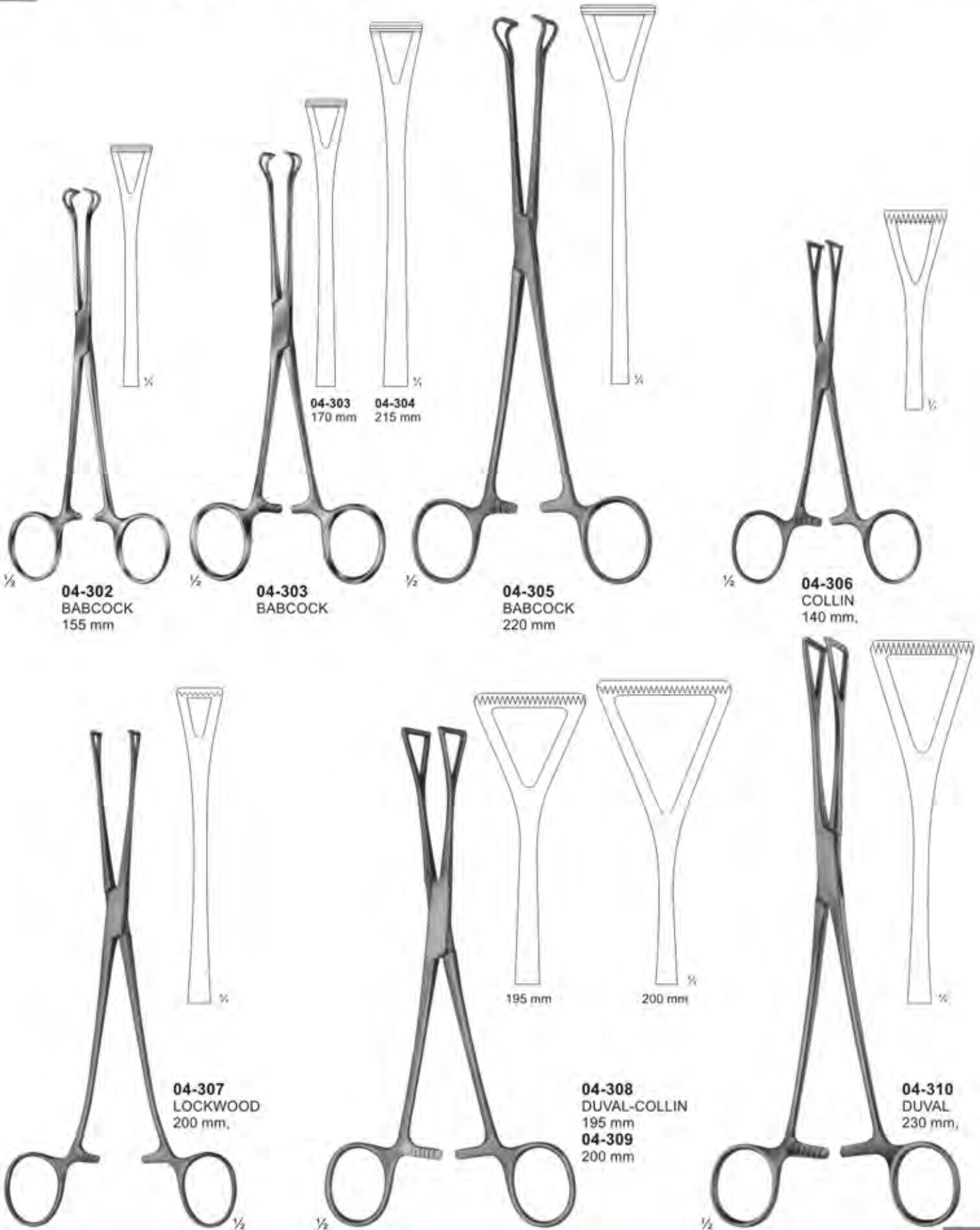
1/2  
**04-297 - 04-300**  
FOERSTER-BALLENGER  
240 mm



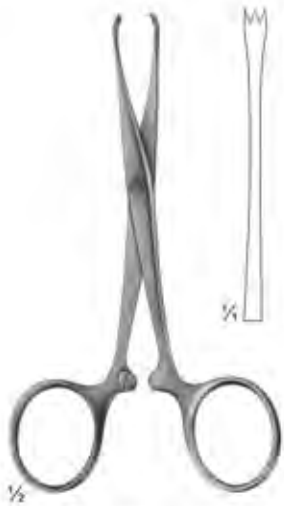
04-301

**04-301**  
PENNINGTON  
155 mm

# Intestinal Grasping Forceps



# Artery Traction - and Tissue Grasping Forceps



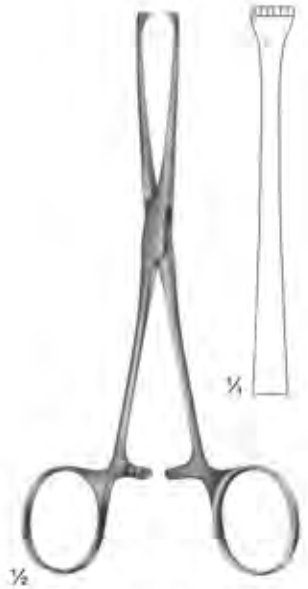
**04-311**  
**CHAPUT**  
 2 x 3 teeth  
 125 mm



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



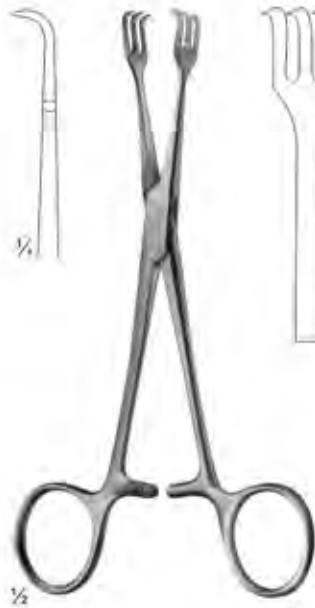
**04-313**  
**BOYS-ALLIS**  
 5 x 6 teeth sharp  
 155 mm



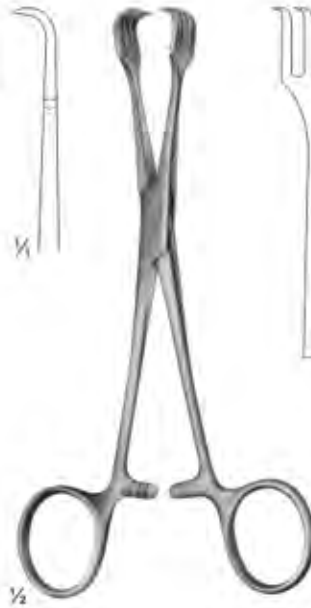
**04-314**  
**ALLIS**  
 5 x 6 teeth  
 155 mm



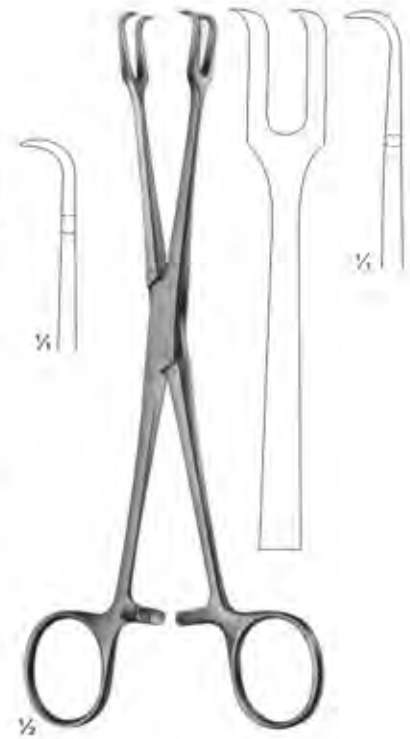
**04-315**  
**LAHEY**  
 155 mm



**04-316**  
**LAHEY**  
 155 mm

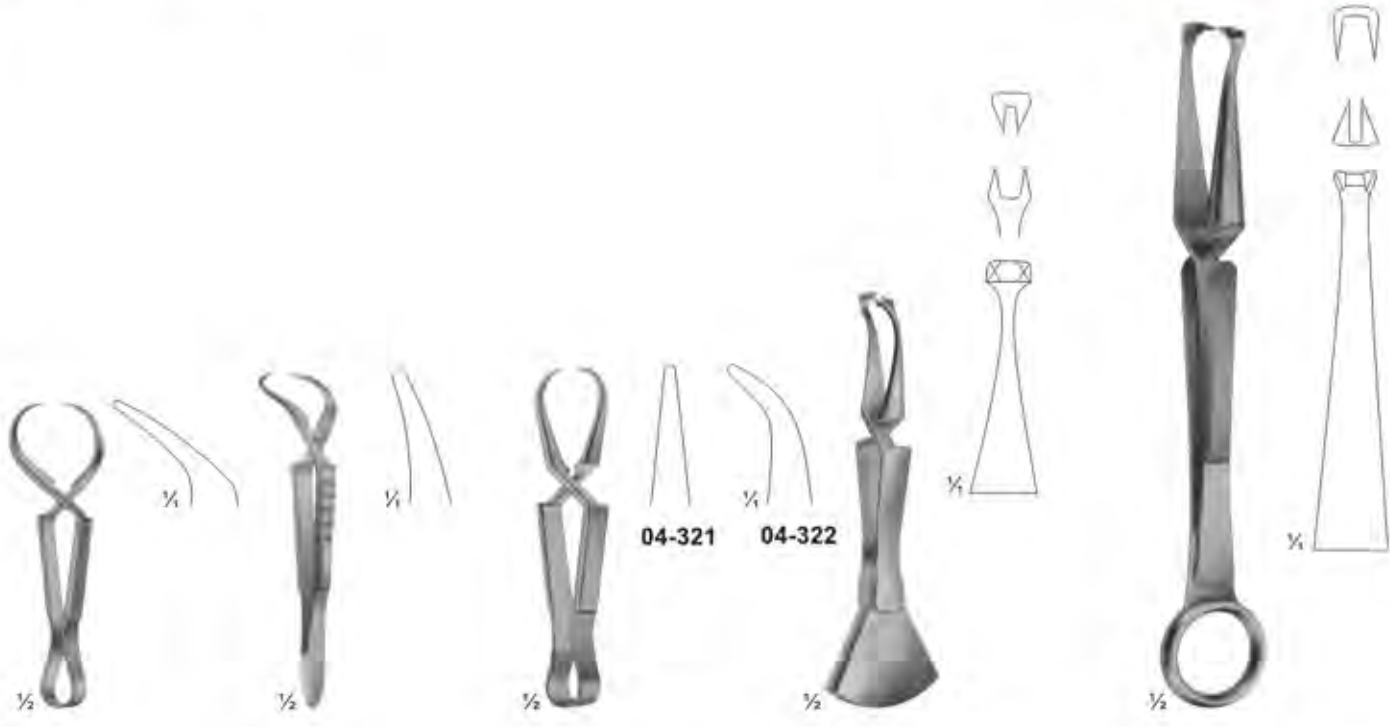


**04-317**  
**BRAUN**  
 155 mm



**04-318**  
**MUSEUX**  
 200 mm

# Towel Clamps



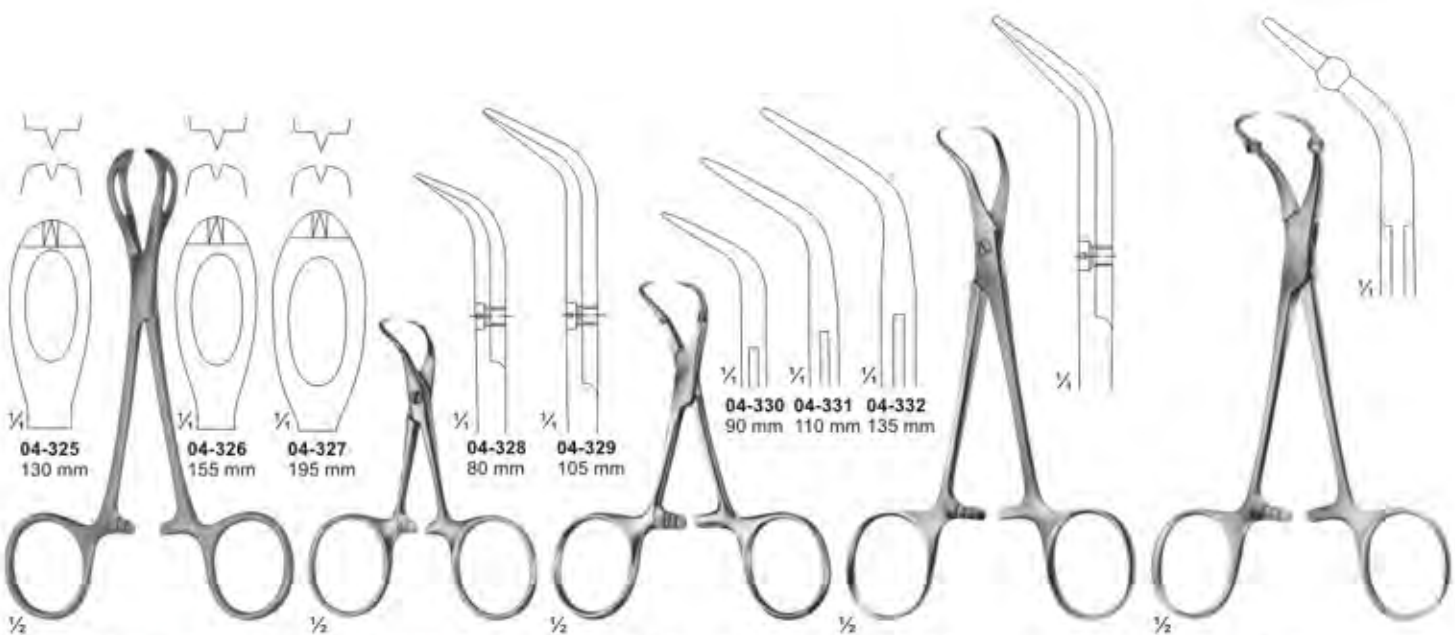
**04-319**  
JONES  
85 mm

**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**  
130 mm

**04-326**  
155 mm

**04-327**  
195 mm

**04-328**  
80 mm

**04-329**  
105 mm

**04-330 04-331 04-332**  
90 mm 110 mm 135 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

# Muller Vessel Clips and Bulldog Clamps















## Closing force

						
04-335 straight	04-336 curved	04-337 curved tips	04-338 angled shaped	04-339 MULLER knee-bent	04-340 Muller Ligature Forceps	Jaw, cross serrated
80g 50g	80g 50g	80g 50g	80g 50g	80g 50g	80g 50g	

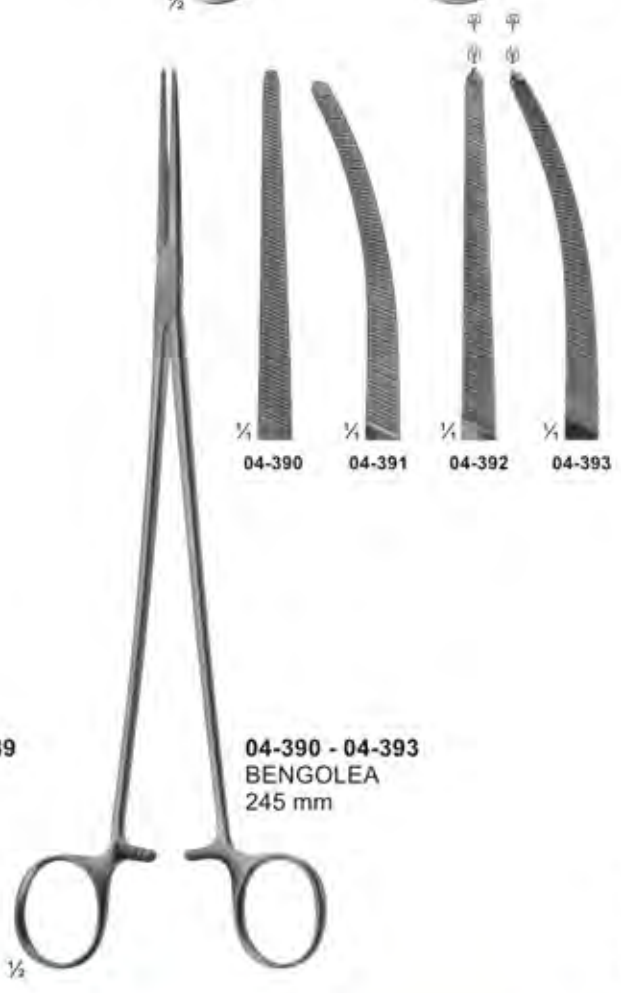
  

											
04-341 35 mm	04-342 35 mm	04-343 45 mm	04-344 45 mm	04-345 38 mm	04-346 48 mm	04-347 38 mm	04-348 48 mm	04-349 58 mm	04-350 58 mm	04-351 - 04-357 91 mm	04-358 DE BAKEY- HESS 20 mm
				DIEFFENBACH	DIEFFENBACH	DIEFFENBACH	DIEFFENBACH	DIEFFENBACH	DIEFFENBACH	JOHNS-HOPKINS	

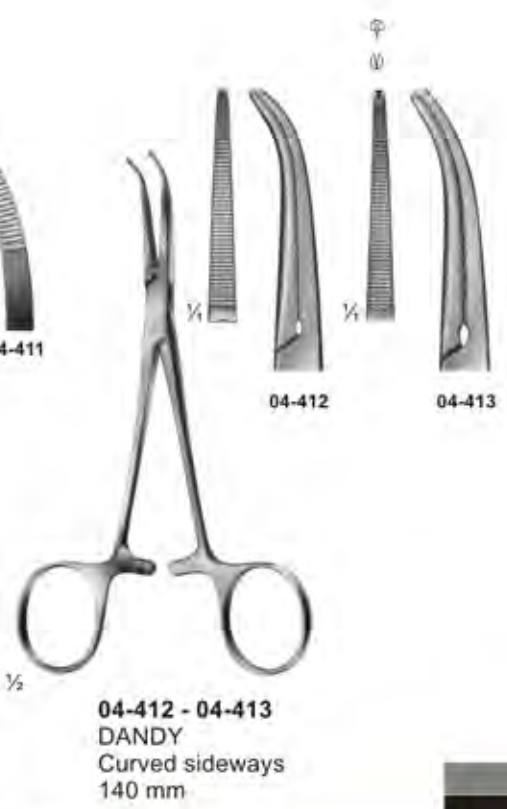
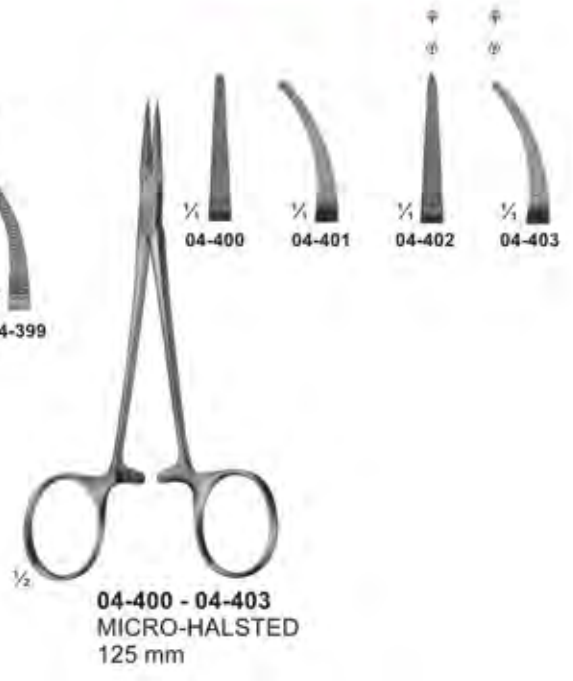
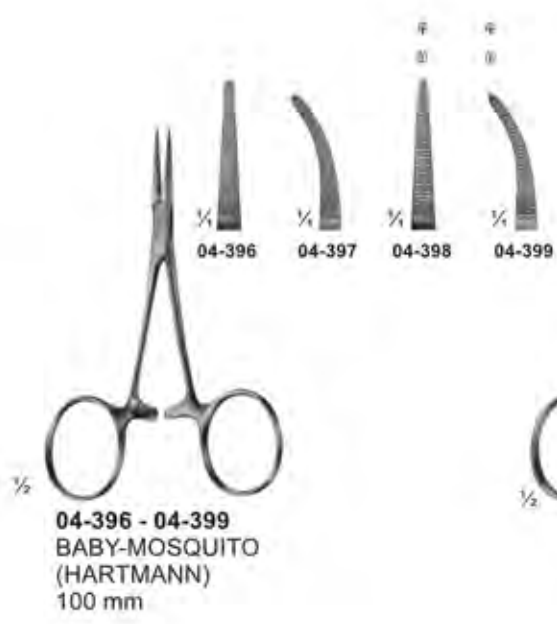
  

																			
04-359 length 50 mm jaws 27 mm	04-360 length 48 mm jaws 27 mm	04-361 GLOVER length 57 mm jaws 35 mm	04-362 DE BAKEY length 73 mm jaws 38 mm	04-363 DE BAKEY length 99 mm jaws 63 mm	04-364 DE BAKEY length 95 mm jaws 54 mm	04-365 L. 80 mm	04-366 L. 90 mm	04-367 L. 105 mm	04-368 L. 124 mm	04-369 L. 78 mm	04-370 L. 86 mm	04-371 L. 97 mm	04-372 L. 114 mm	04-373 GLOVER L. 68 mm	04-374 L. 96 mm	04-375 L. 117 mm	04-376 GLOVER L. 65 mm	04-377 L. 91 mm	04-378 L. 110 mm

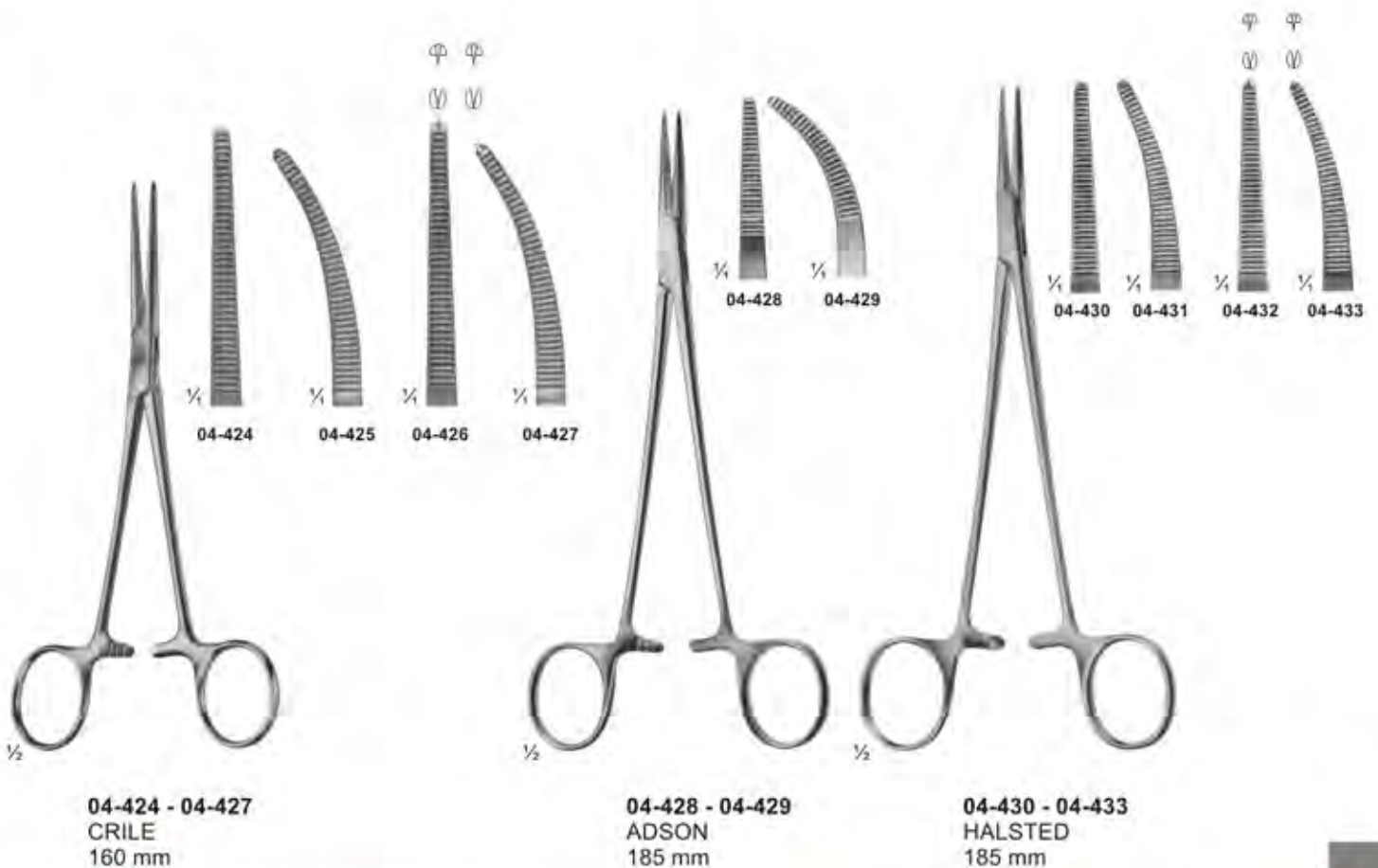
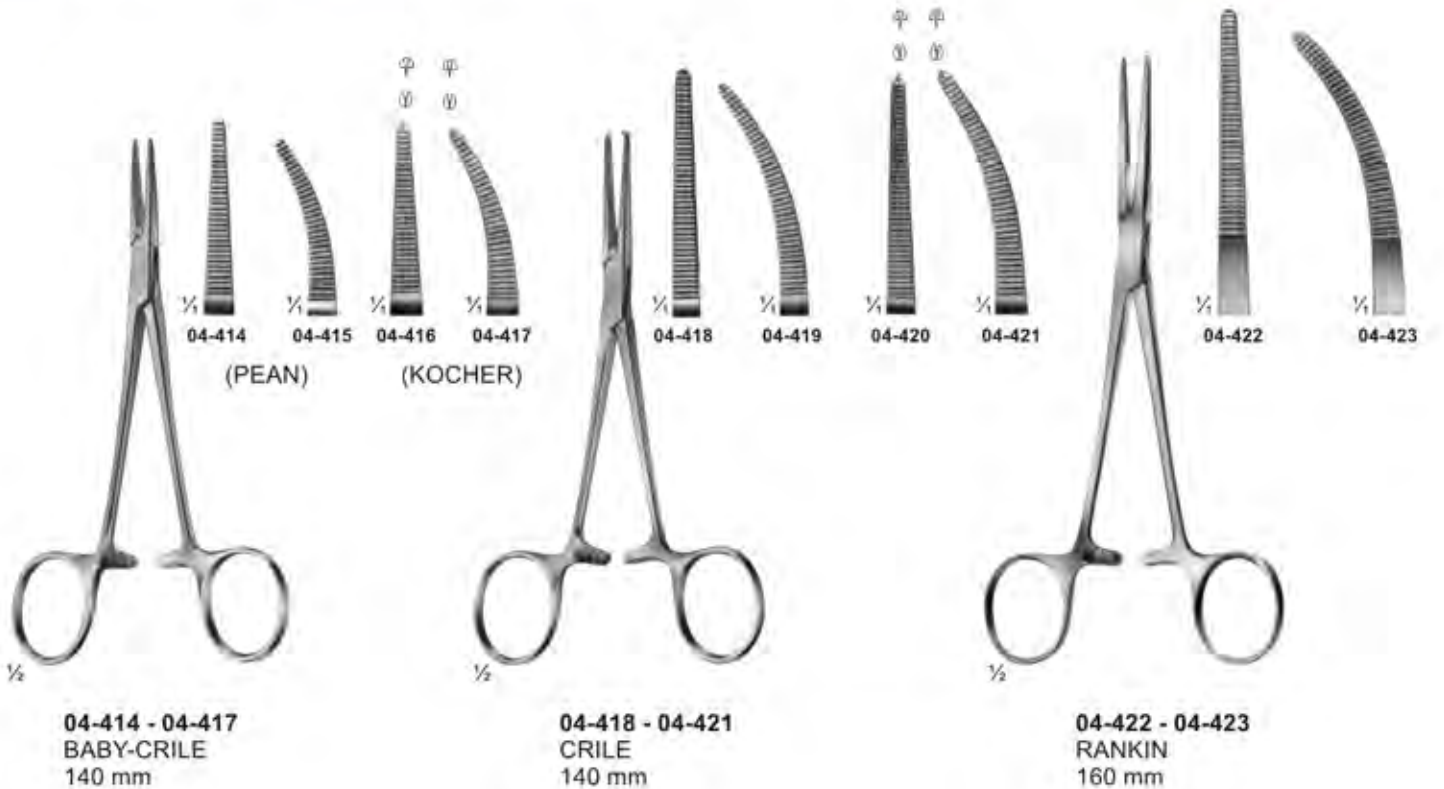
# Delicate Haemostatic Forceps



# Delicate Haemostatic Forceps

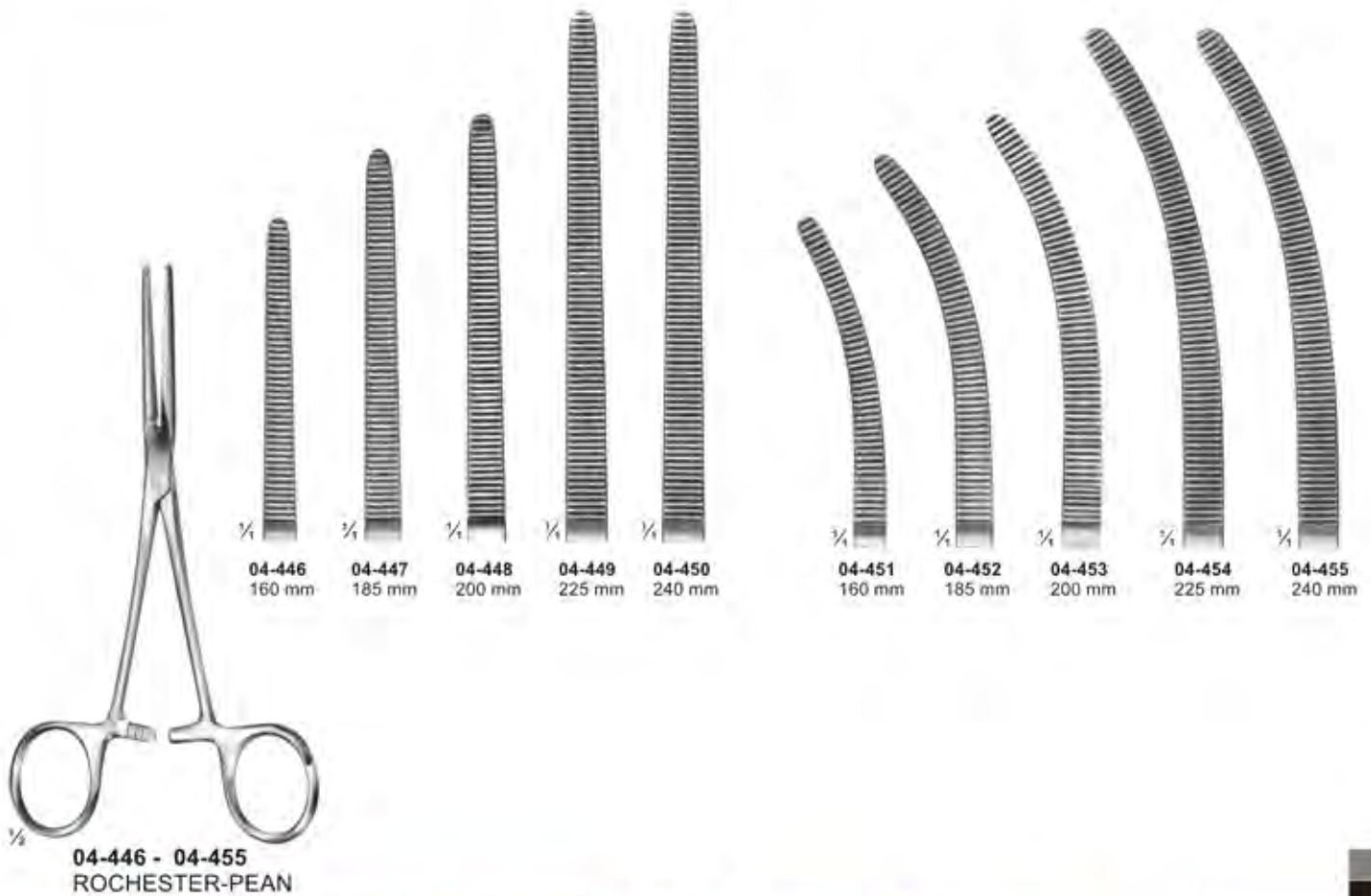


## Delicate Haemostatic Forceps





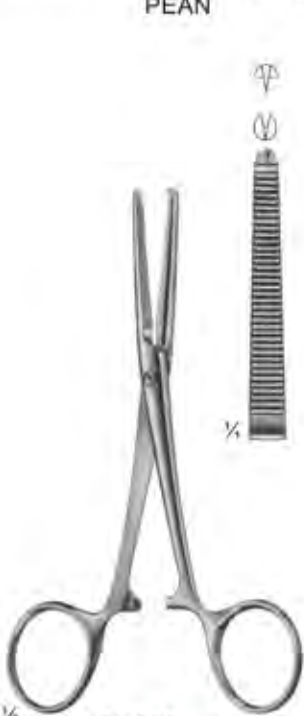
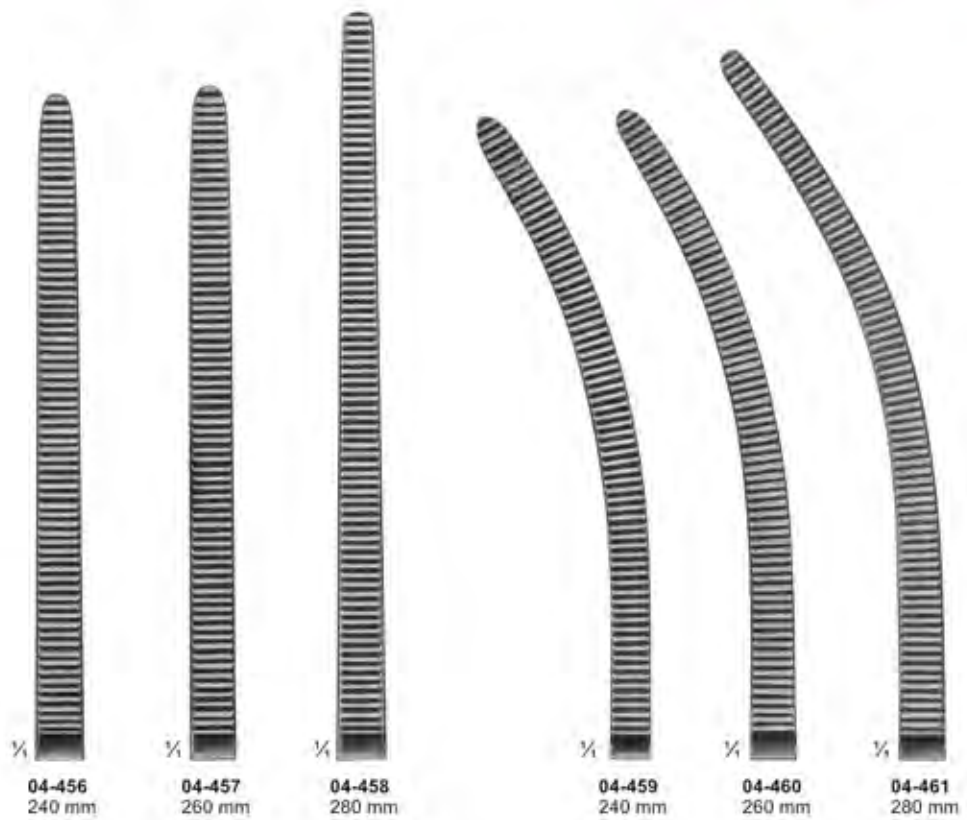
# Haemostatic Forceps



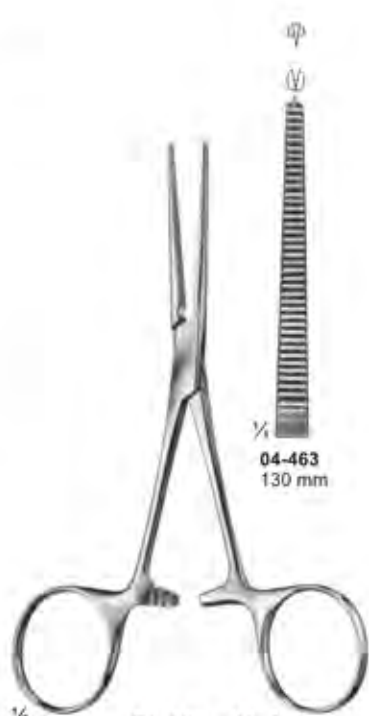
# Haemostatic Forceps



**04-456 - 04-461**  
PEAN



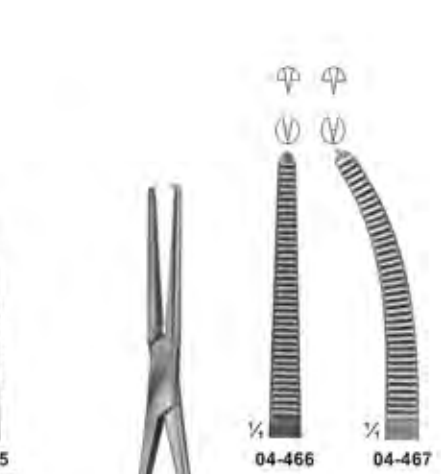
**04-462**  
KOCHER  
Strong Pattern  
145 mm



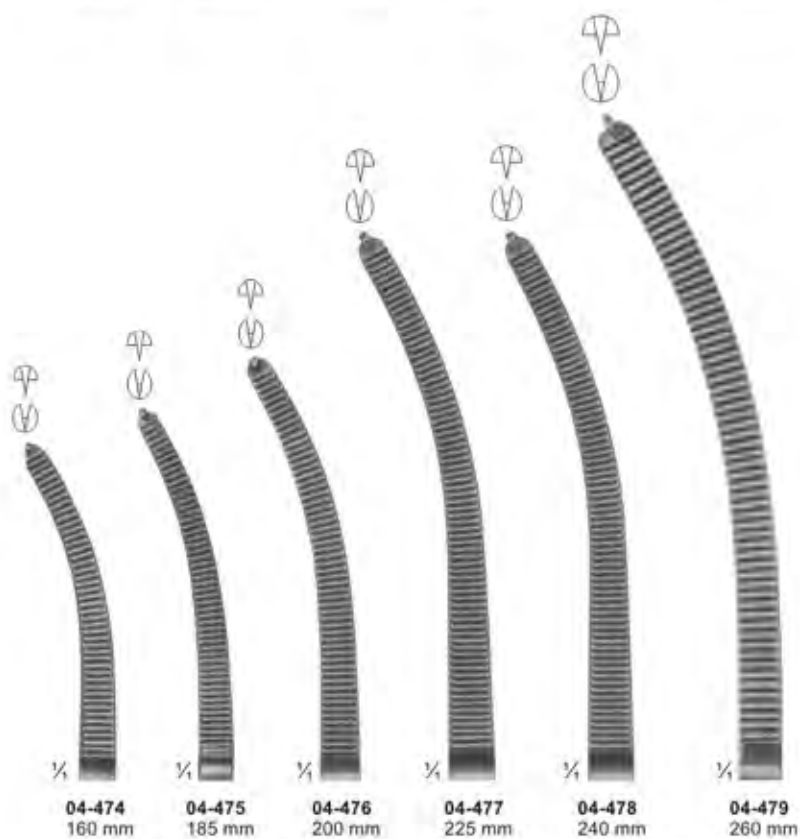
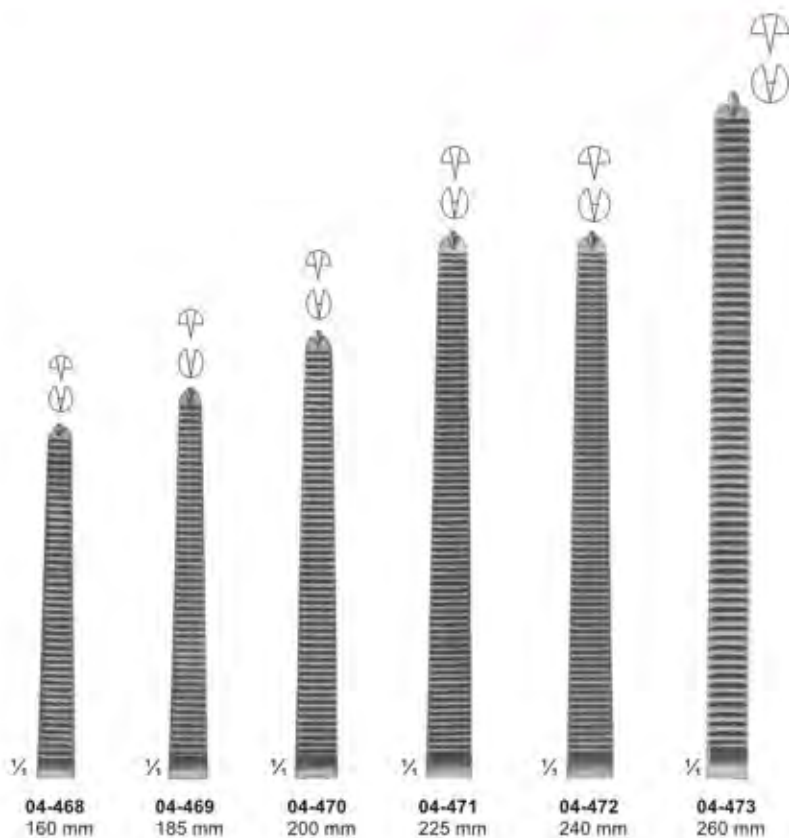
**04-463 - 04-465**  
KOCHER



**04-466 - 04-467**  
ROCHESTER-OSHSNER  
140 mm

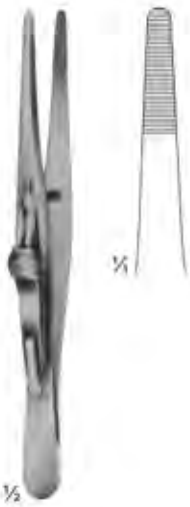


# Haemostatic Forceps



04-468 - 04-479  
KOCHER-OCHSNER

# 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

**04-483 - 04-484**  
PEAN



**04-485**  
PEAN  
125 mm

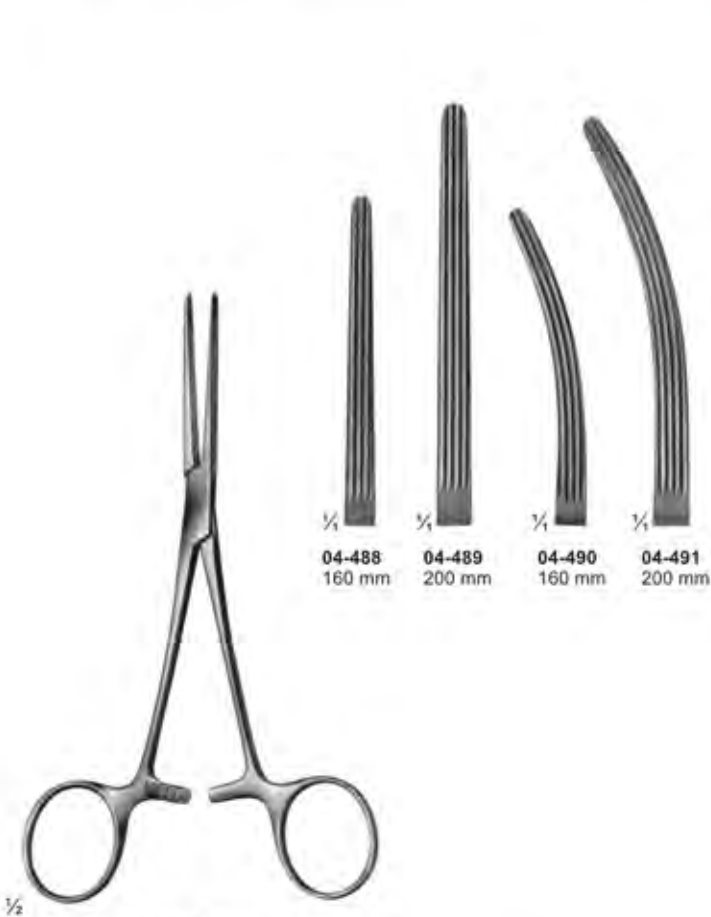


**04-486**  
165 mm

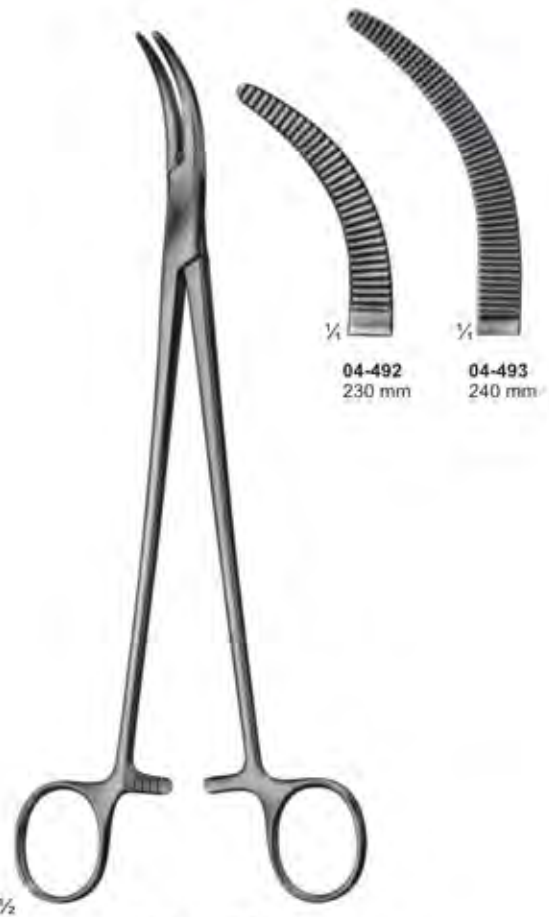


**04-487**  
185 mm

**04-486 - 04-487**  
PEAN



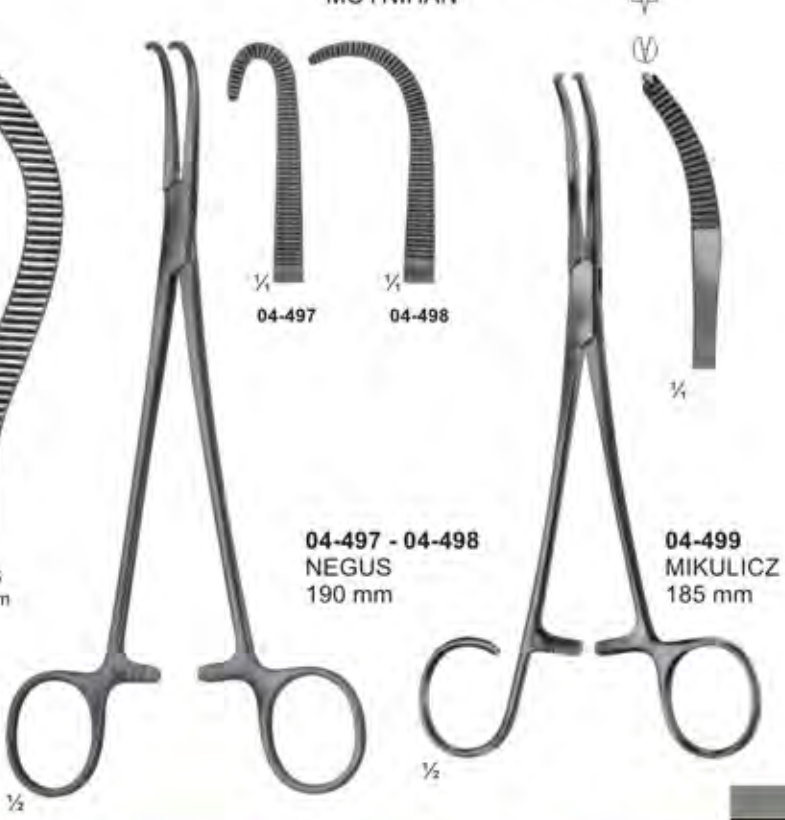
04-488 - 04-491  
ROCHESTER-CARMALT



04-492 - 04-493  
MOYNIHAN



04-494 - 04-496  
PEAN



04-497 - 04-498  
NEGUS  
190 mm

04-499  
MIKULICZ  
185 mm

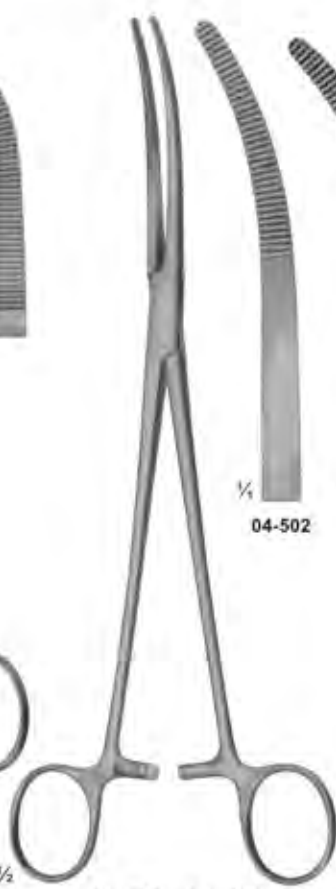
# Dissecting- and Ligature Forceps



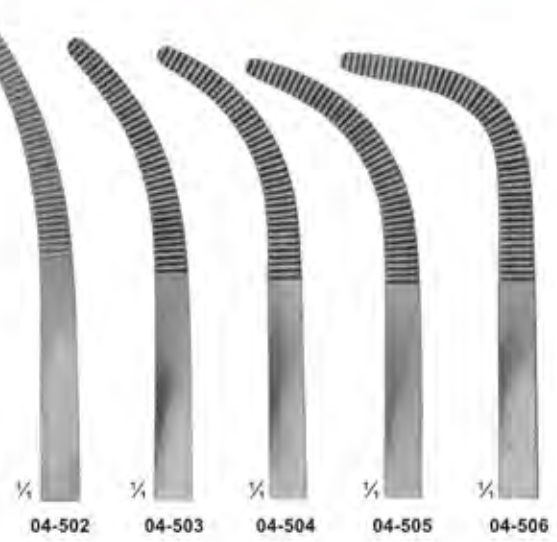
1/2  
**04-500**  
MIXTER-O'SHAUGHNESSY  
190 mm



1/2  
**04-501**  
HEISS  
195 mm



1/2  
**04-502 - 04-506**  
RUMEL  
240 mm



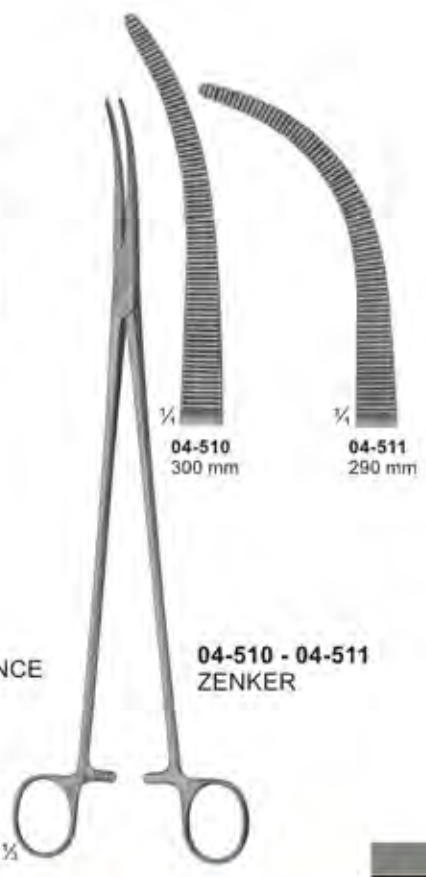
**04-507**  
FINOCHIETTO  
245 mm



**04-508**  
MIXTER  
230 mm



**04-509**  
LAWRENCE  
270 mm

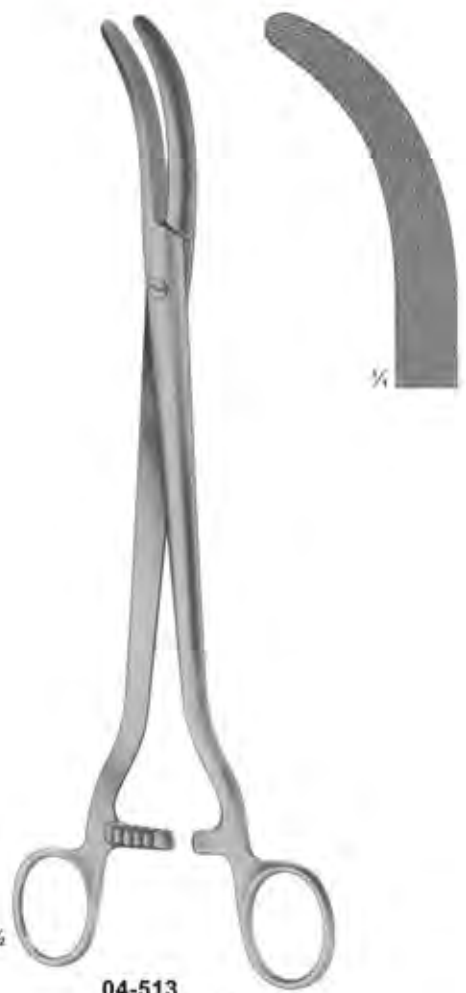


**04-510 - 04-511**  
ZENKER

Hysterectomy Forceps, Vaginal Clamps  
and Compression Forceps



**04-512**  
WERTHEIM  
Hysterectomy forceps  
255 mm



**04-513**  
WERTHEIM  
Parametrium clamp  
260 mm



**04-514 - 04-516**  
DICK

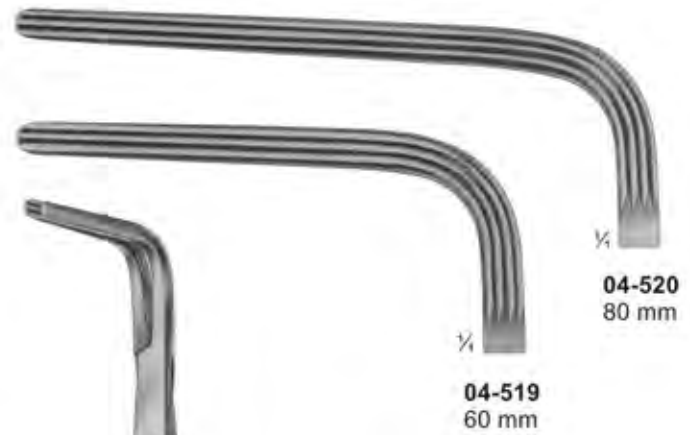


**04-514** 255 mm  
**04-515** 265 mm  
**04-516** 275 mm

Hysterectomy Forceps, Vaginal Clamps  
and Compression Forceps



04-517  
WERTHEIM  
250 mm



04-519  
60 mm

04-520  
80 mm



04-518  
WERTHEIM-CULLEN  
215 mm



04-519 - 04-520  
230 mm



# Needle Holders for micro surgery



**05-101**  
**ROHRSCHEIDER**  
with copper inserts  
100 mm



**05-102**  
**KALT**  
with catch  
135 mm



**05-103**  
**ARRUGA**  
with catch  
135 mm



**05-104 - 105**  
**CASTROVIEJO**  
with catch  
145 mm



**05-106 - 107**  
without Catch  
160 mm



**05-108 - 109**  
without catch  
185 mm



**05-110 - 111**  
**JACOBSON**  
185 mm



**05-112**  
without catch  
195 mm



**05-113 - 114**  
**YASARGIL**  
with catch  
200 mm

# Needle Holders



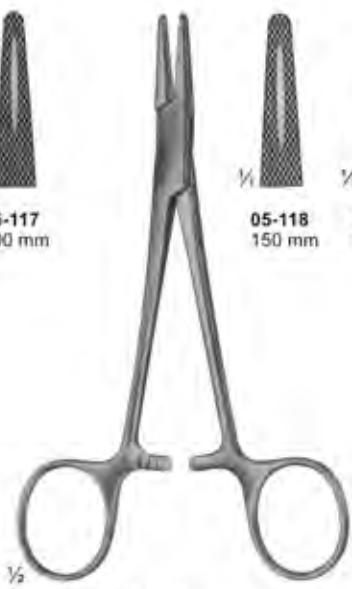
05-115  
150 mm



05-116  
180 mm



05-117  
200 mm



05-118  
150 mm



05-119  
175 mm



05-120  
205 mm



05-121  
205 mm



05-122  
HEANEY (HEGAR)  
200 mm



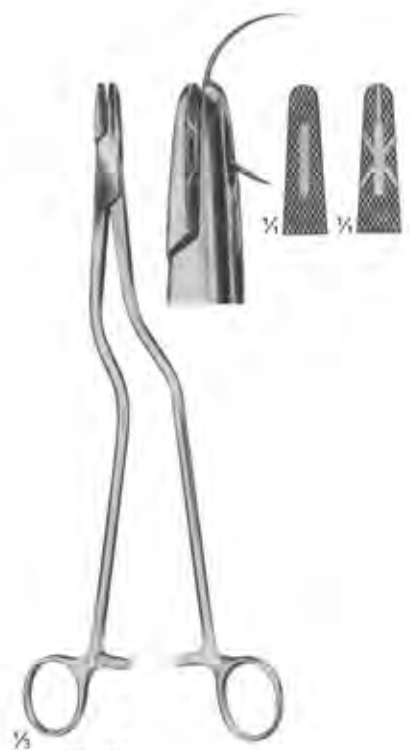
05-123  
JAMESON  
230 mm



05-124  
WANGENSTEEN  
275 mm

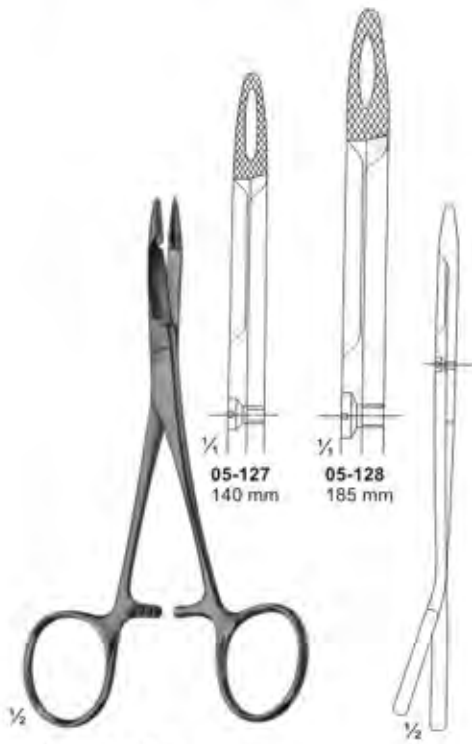


05-125  
MASSON  
265 mm

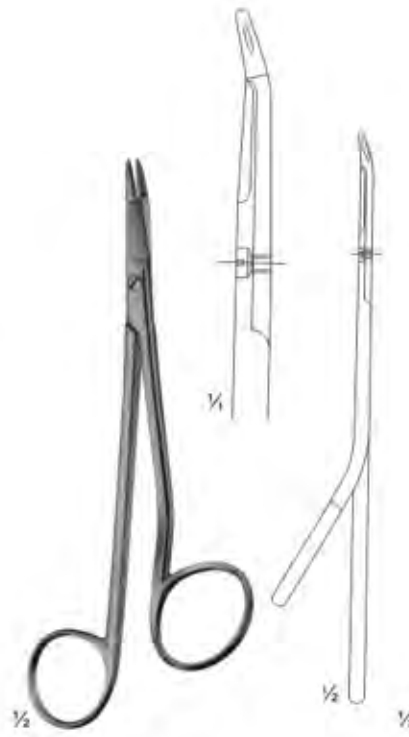


05-126  
MASSON-LUETHY  
255 mm

## Needle Holders



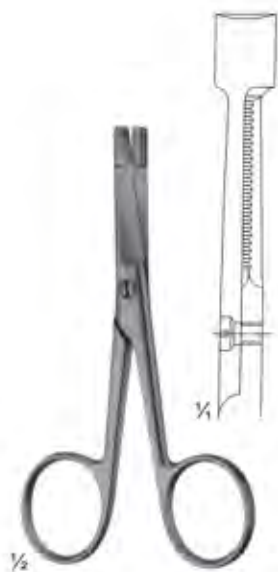
**05-127 - 128**  
**HEGAR-OLSEN**  
255 mm



**05-129**  
**GILLIES**  
150 mm



**05-130**  
**GILLIES**  
160 mm



**05-131**  
**EISELSBERG**  
115 mm



**05-132**  
**SCHOEMAKER-LOTH**  
125 mm

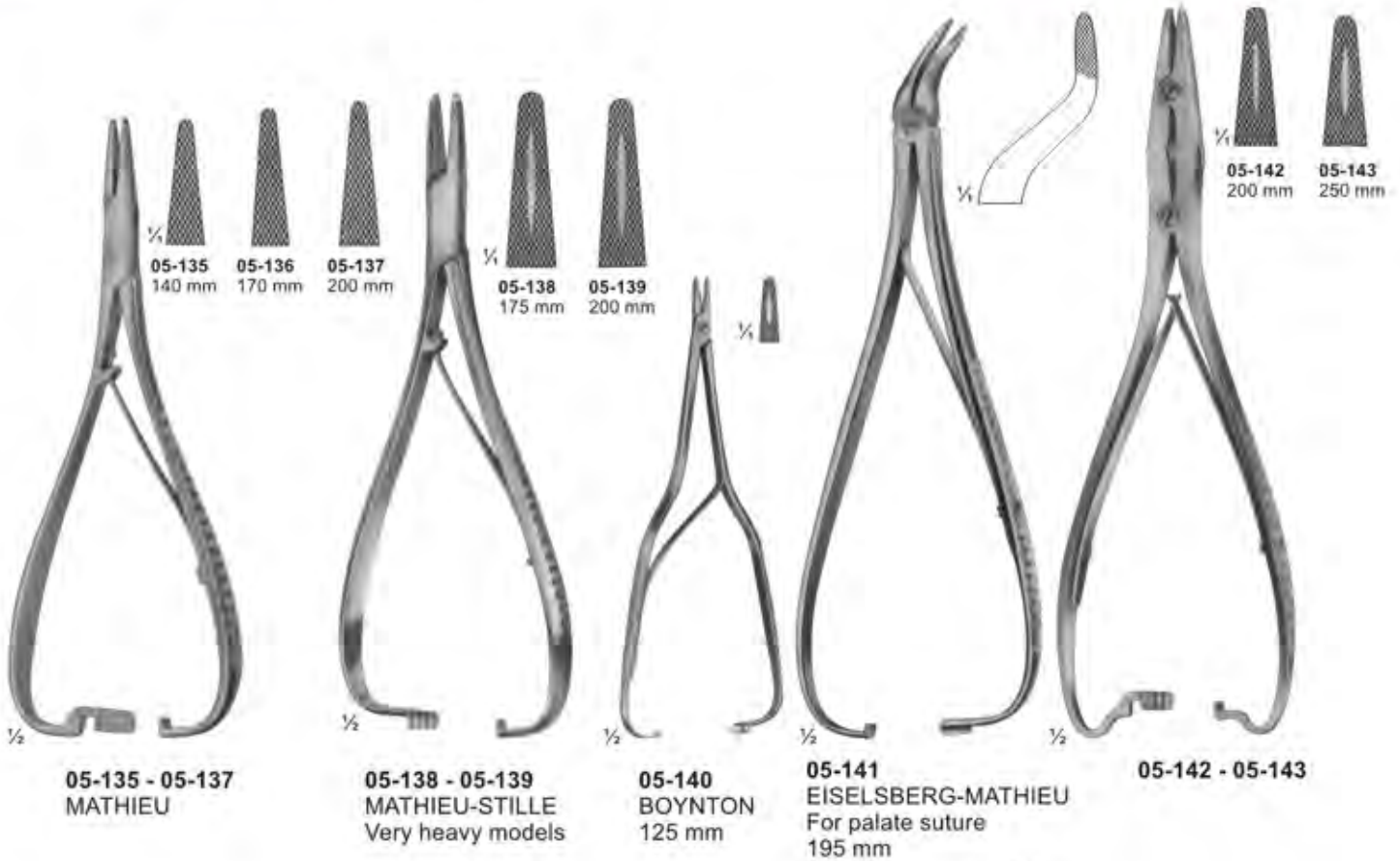


**05-133**  
**CRILE**  
150 mm

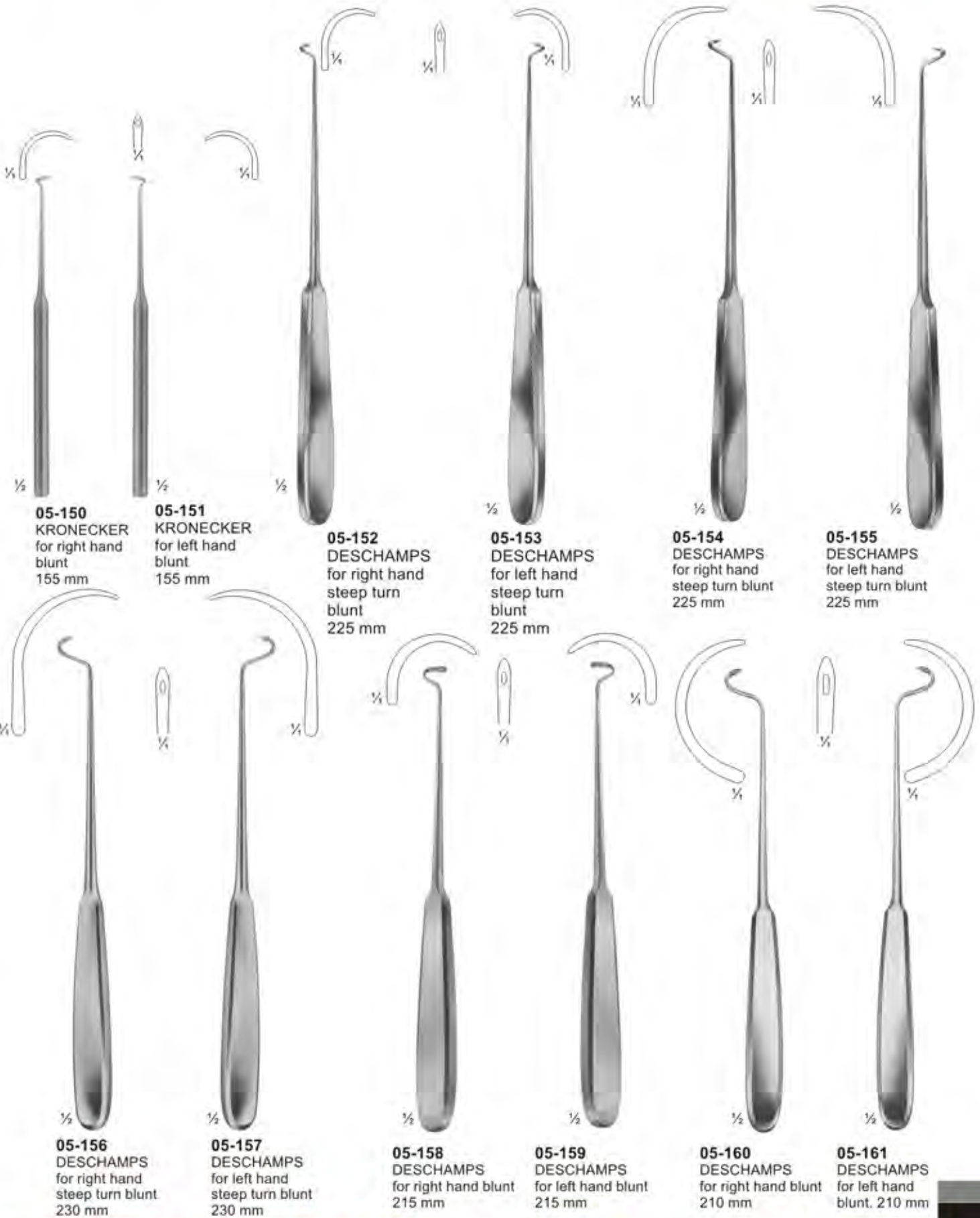


**05-134**  
**TOENNIS**  
Elastic pattern for dura-or  
intestinal suture. 180 mm

# Needle Holders



## Suture Instruments - Reverdin Needles



**Probes**



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



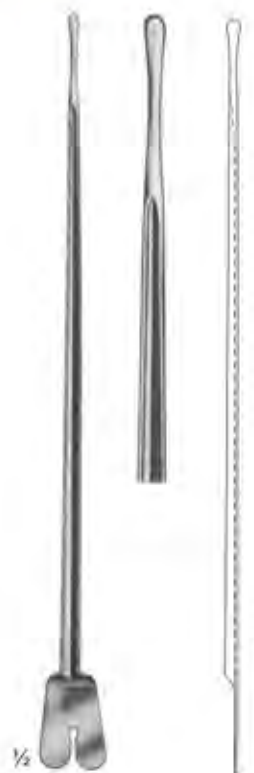
**05-165**  
**DOYEN**  
145 mm  
Directors



**05-166**  
**NELATON**  
160 mm  
Directors



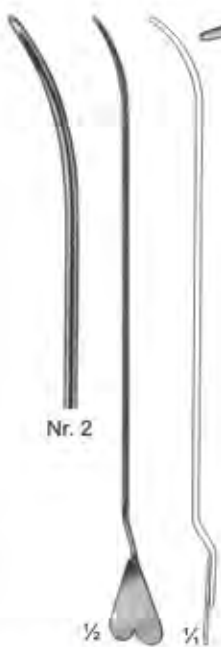
**05-167**  
Director with tip  
Diam. Of tip 3,3 mm  
140 mm



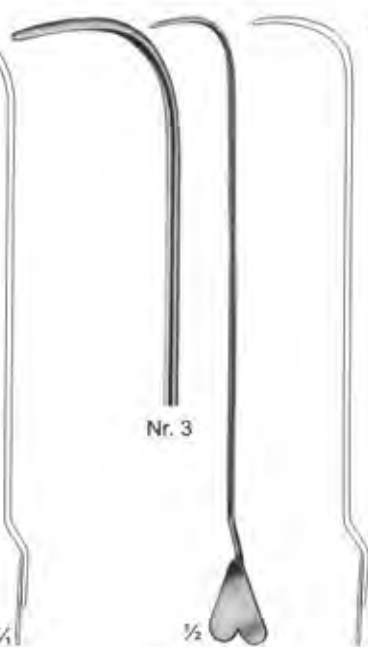
**05-168**  
**BRODIE**  
Director with tip,  
Diam. Of tip 3,5 mm  
200 mm



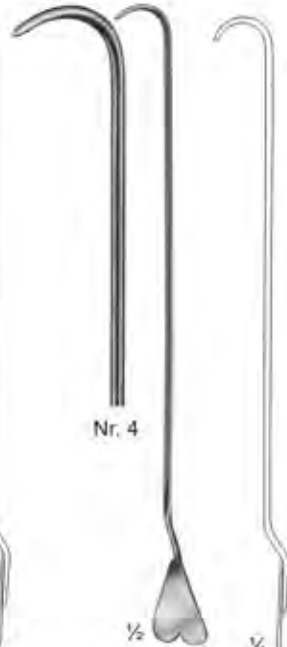
**05-169**  
**LOCKHART-MUMMERY**  
165 mm



**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

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



1,5 mm

05-177  
Myrtle leaf probe  
145 mm



2,0 mm

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



05-183  
Probes



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



$\frac{1}{2}$   $\varnothing$  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

#### Top tray

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



### 05-192

Pocket instrument set, in metal case consisting of:

#### Bottom tray

1 MAYO-HÉGER 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

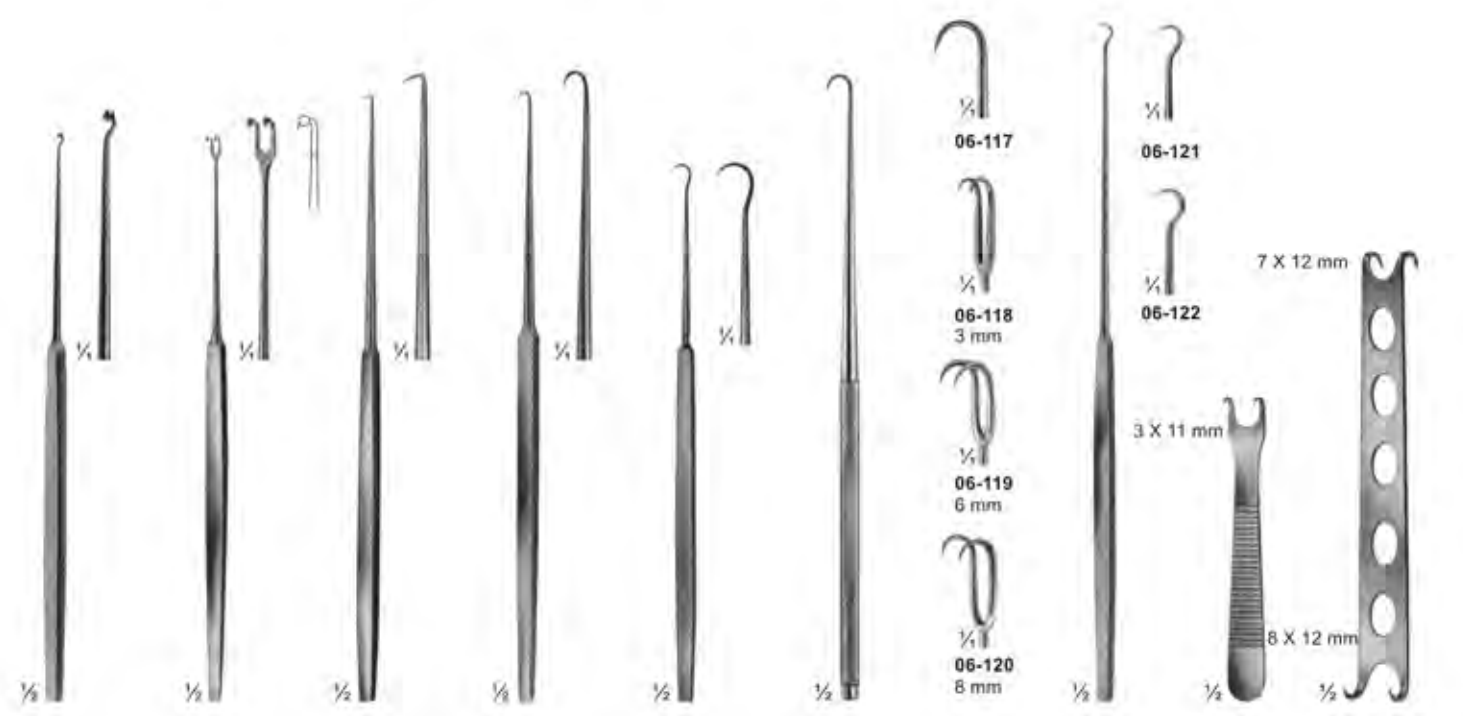




# Fine Wound Retractors (Dura- and Skin Retractors)

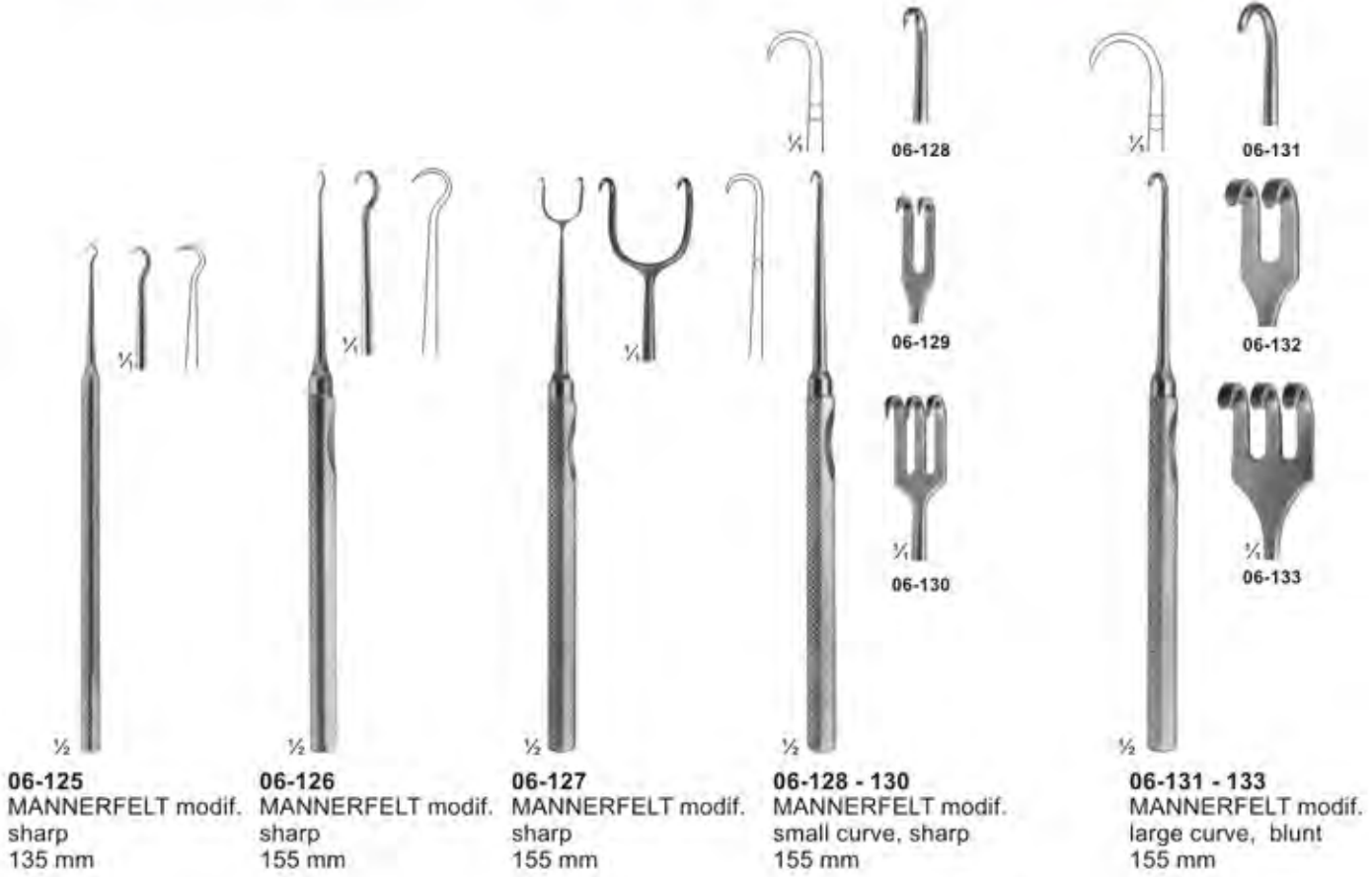


**06-101** Sharp  
**06-102** Blunt  
**GRAEFE**  
 125 mm  
**06-103** 125 mm  
**06-104** 130 mm  
 sharp  
**GUTHRIE**  
**06-105** 130 mm  
**06-106** 135 mm  
 sharp  
**ROLLET**  
**06-107** 135 mm  
 blunt  
**06-108**  
**FRAZIER**  
 Dura retractors  
 130 mm  
**06-109**  
**TONNIS**  
 Dura retractors  
 150 mm  
**06-110**  
**KILNER**  
 160 mm  
**06-111**  
**FREER**  
 150 mm



**06-112**  
**MULLER**  
 150 mm  
**06-113**  
**MULLER**  
 150 mm  
**06-114**  
**COTTLE**  
 160 mm  
**06-115**  
**COTTLE**  
 160 mm  
**06-116**  
**JAEGER**  
 135 mm  
**06-117 - 120**  
**JOSEPH**  
 165 mm  
**06-117**  
 3 mm  
**06-118**  
 3 mm  
**06-119**  
 6 mm  
**06-120**  
 8 mm  
**06-121 - 122**  
**GILLIES**  
 180 mm  
**06-121**  
 7 X 12 mm  
**06-122**  
 3 X 11 mm  
**06-123**  
**KILNER**  
 sharp  
 80 mm  
**06-124**  
**CONVERSE**  
 blunt  
 120 mm

# Retractors With treangle handle



# Retractors



¼  
6 x 12 mm

¼  
**06-142**  
MASING  
140 mm



¼  
10 x 12 mm

¼  
**06-143**  
COTTLE  
140 mm



¼  
**06-144**  
9 x 9 mm



¼  
**06-145**  
9 x 12 mm

¼  
**06-144 - 148**  
DESMARRES  
140 mm



¼  
**06-146**  
11 x 14 mm



¼  
**06-147**  
12 x 16 mm



¼  
**06-148**  
13 x 18 mm



¼  
**06-149 - 150**  
KONIG  
180 mm



¼  
**06-149**  
13 x 13 mm



¼  
**06-150**  
12 x 16 mm



¼  
**06-151**  
CUSHING-KOCHER  
175 mm



¼  
10 x 10 mm



¼  
**06-152 - 153**  
KOCHER  
205 mm



¼  
**06-152**  
20 x 12 mm



¼  
**06-153**  
20 x 15 mm



¼  
**06-154**  
SCHOENBORN  
200 mm



¼  
13 x 6 mm



¼  
**06-155 - 156**  
CUSHING  
205 mm



¼  
**06-155**  
10 x 13 mm



¼  
**06-156**  
14 x 18 mm



¼  
**06-157**  
205 mm

20 x 15 mm

20 x 19 mm



¼  
**06-158 - 160**  
CUSHING  
250 mm



¼  
**06-158**  
11 x 14 mm

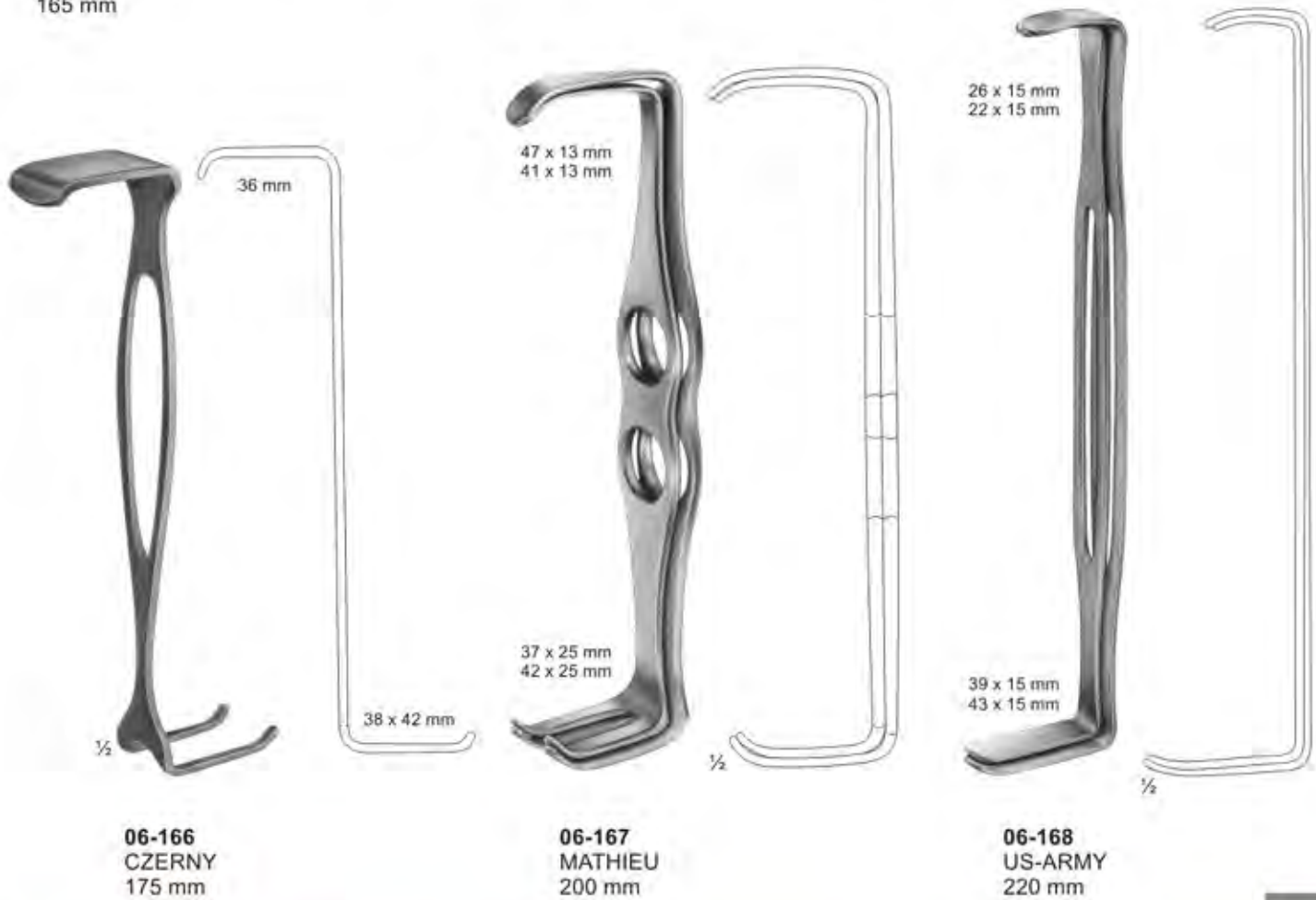
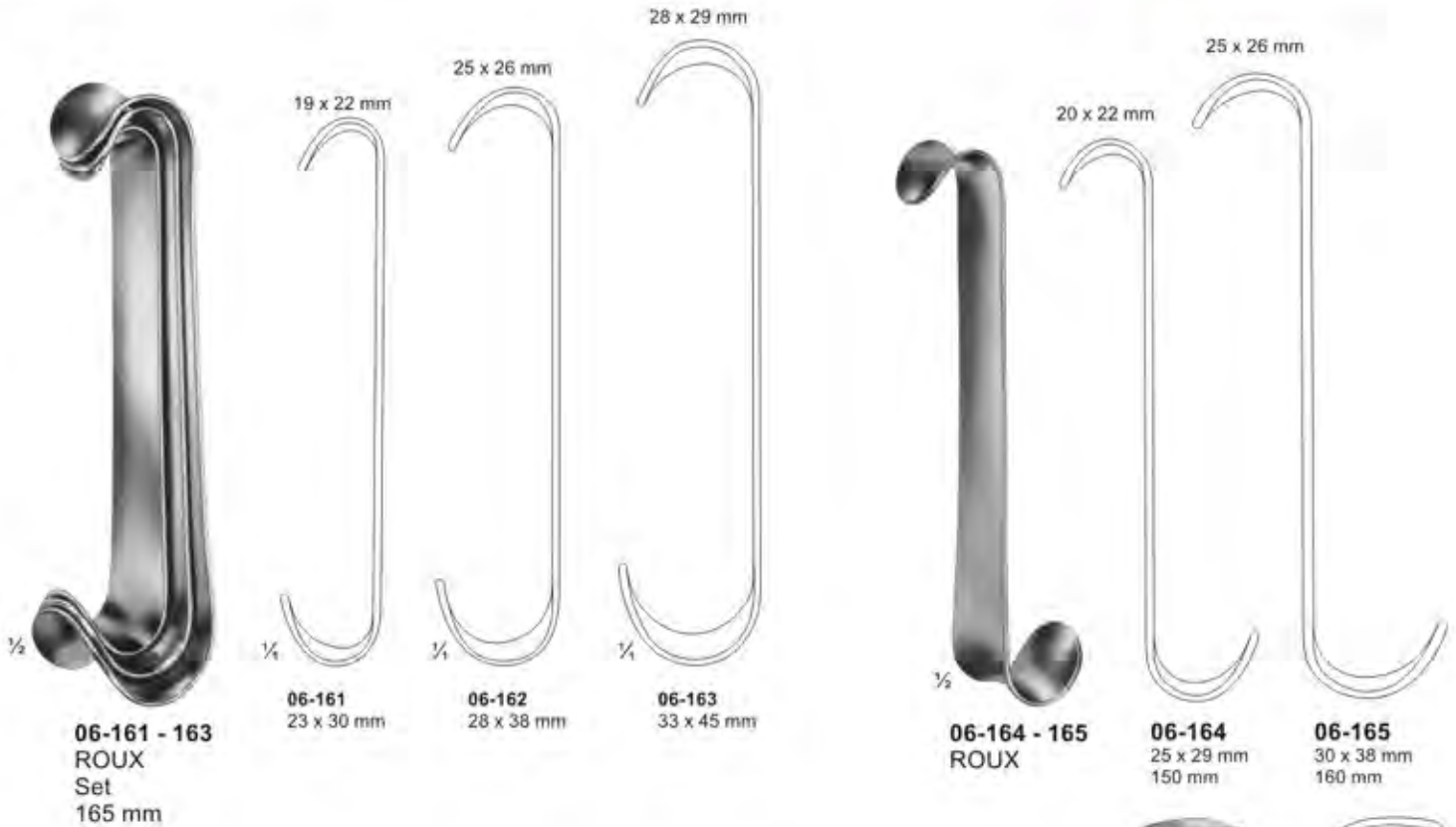


¼  
**06-159**  
13 x 18 mm



¼  
**06-160**  
15 x 22 mm

# Retractors



# Retractors



## Bone Retractors and Retractors



**06-184**  
KOCHER  
sharp  
205 mm



**06-185**  
KOCHER  
sharp  
220 mm



**06-186**  
KOCHER  
sharp  
220 mm



**06-187**  
VOLKMANN  
blunt  
220 mm



**06-188**  
VOLKMANN  
sharp  
220 mm



**06-189 - 06-196**  
VOLKMANN  
225 mm



**06-189**  
9 x 8 mm



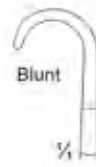
**06-190**  
9 x 13 mm



**06-191**  
9 x 19 mm



**06-192**  
9 x 29 mm



**06-193**  
8,5 x 8 mm



**06-194**  
8,5 x 13 mm

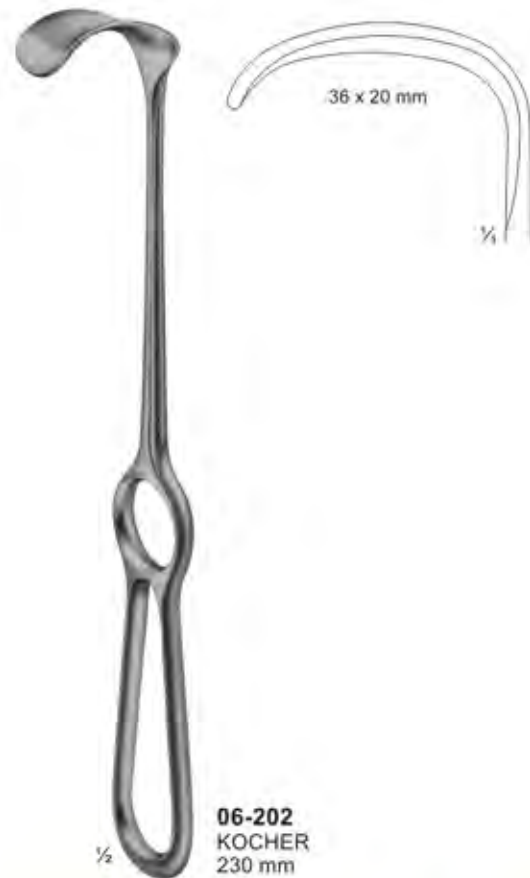
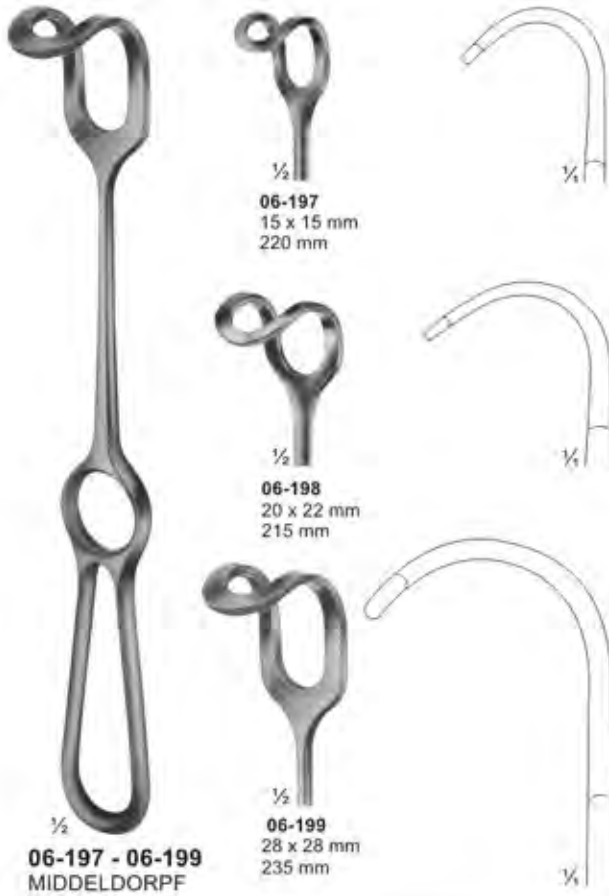


**06-195**  
8,5 x 19 mm



**06-196**  
8,5 x 29 mm

# Retractors



# Retractors, Vario Retractor System



- 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

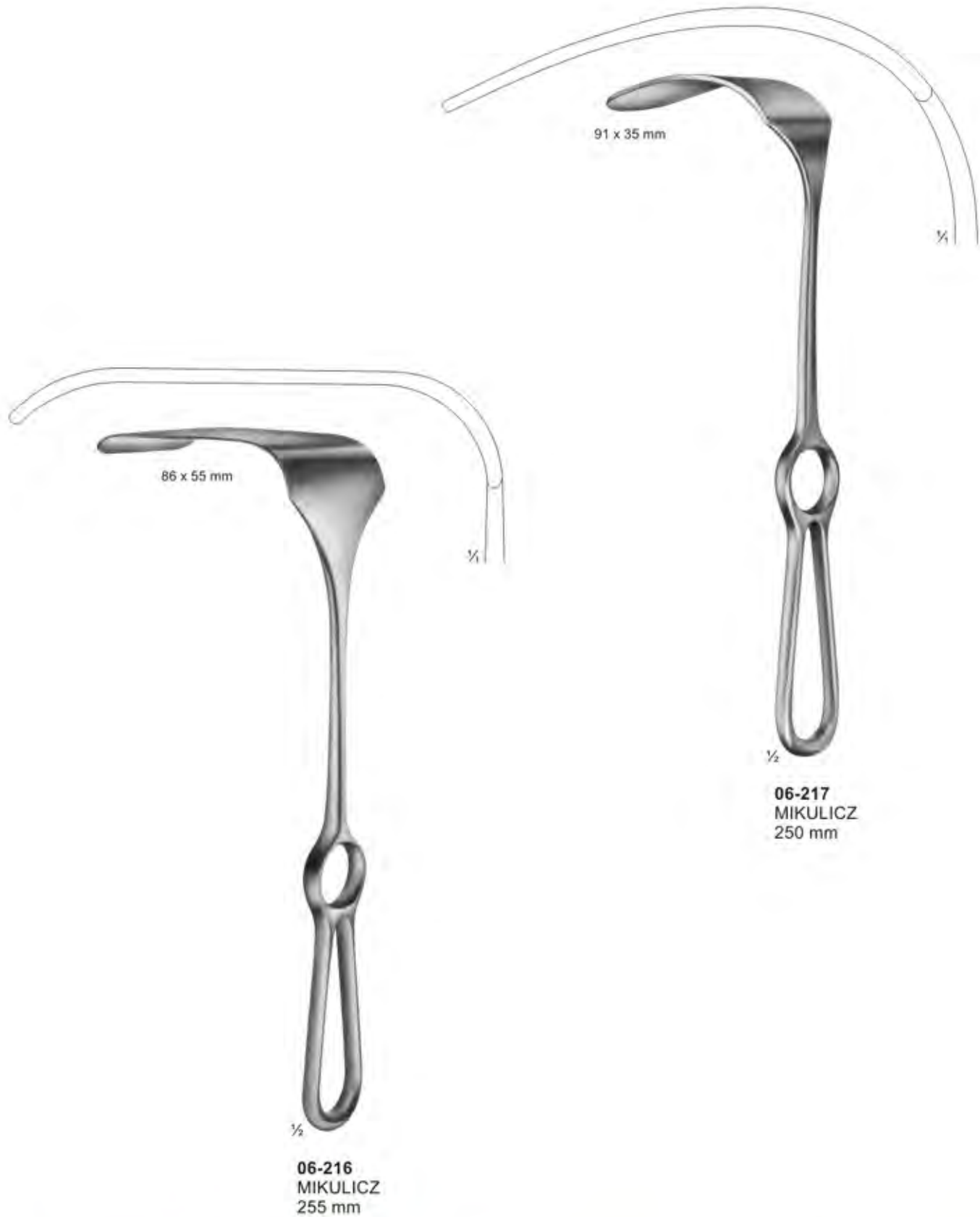




# Retractors, Lung Spatulas



Retractors for deep surgery  
(Abdominal Retractors)



# Retractors, Abdominal Retractors



- 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

**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

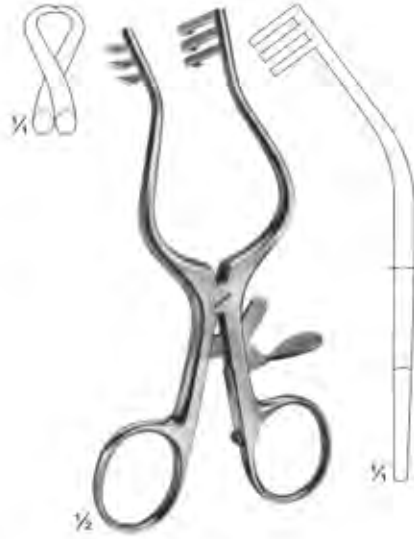
**06-237**  
**MIKULICZ**  
 29 mm  
 250 mm

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

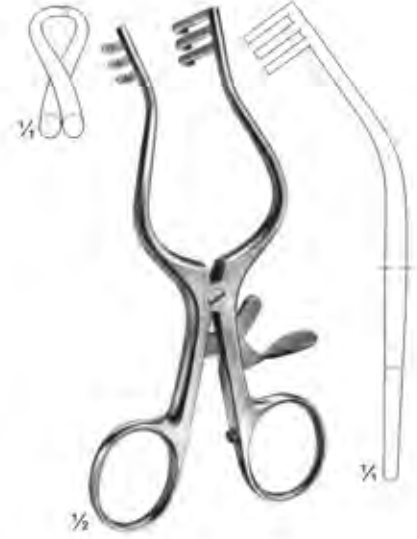
# Self-Retaining Retractors



**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

# Lamina Spreaders



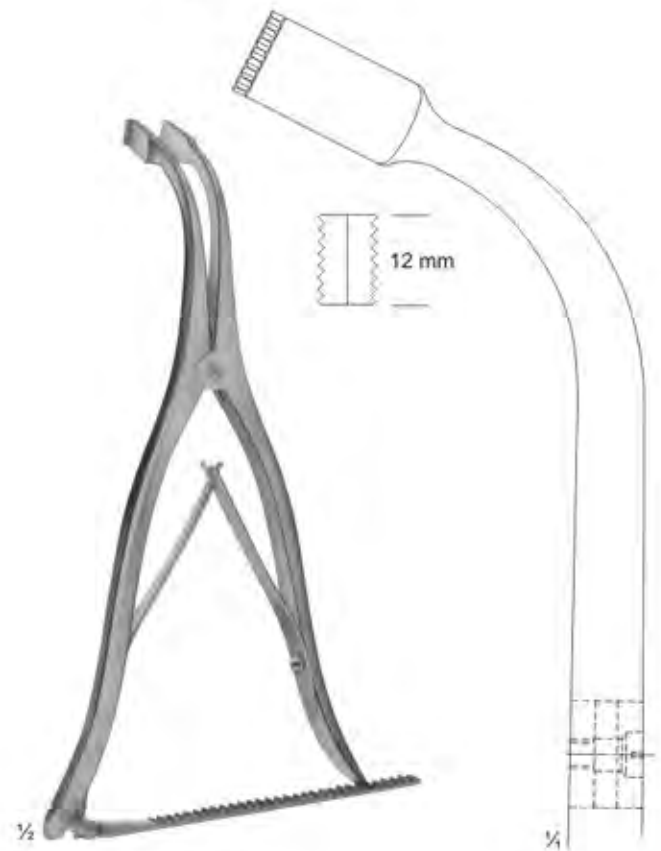
**06-251**  
CLOWARD  
155 mm



**06-252**  
CLOWARD  
135 mm



**06-253**  
INGE  
170 mm

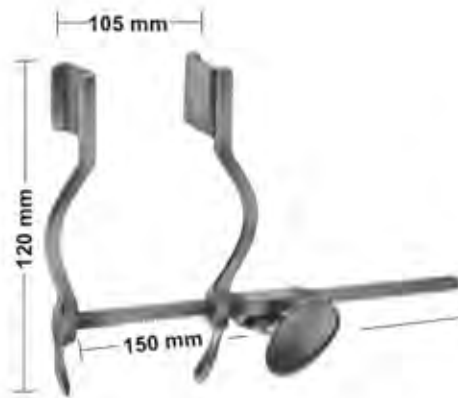


**06-254**  
INGE  
275 mm

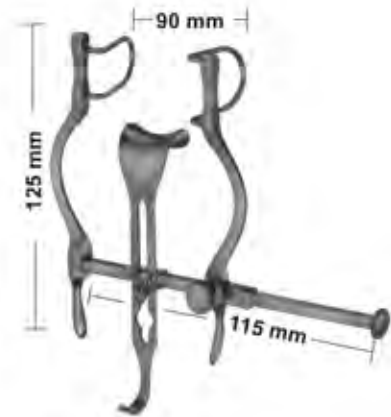
## Abdominal Retractors



**06-255**  
GOSSET  
Blades: 38 mm deep



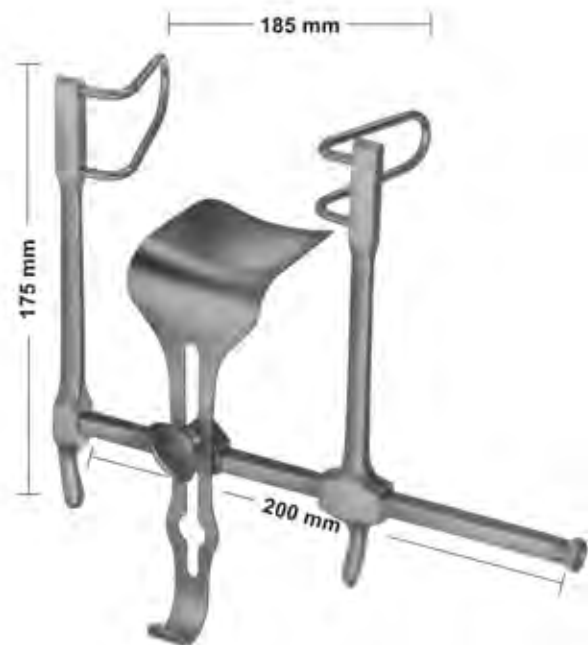
**06-256**  
HERTZLER  
Blades 20 X 25 mm



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



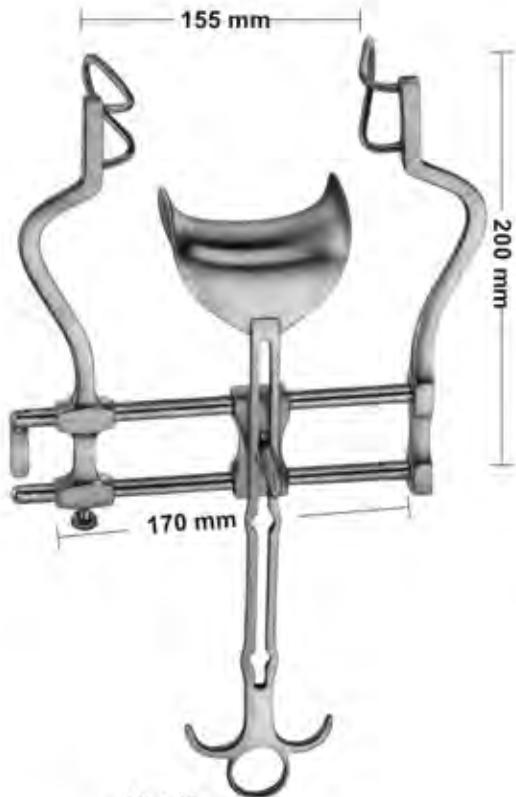
**06-258**  
GOSSET  
Blades: 55 mm deep



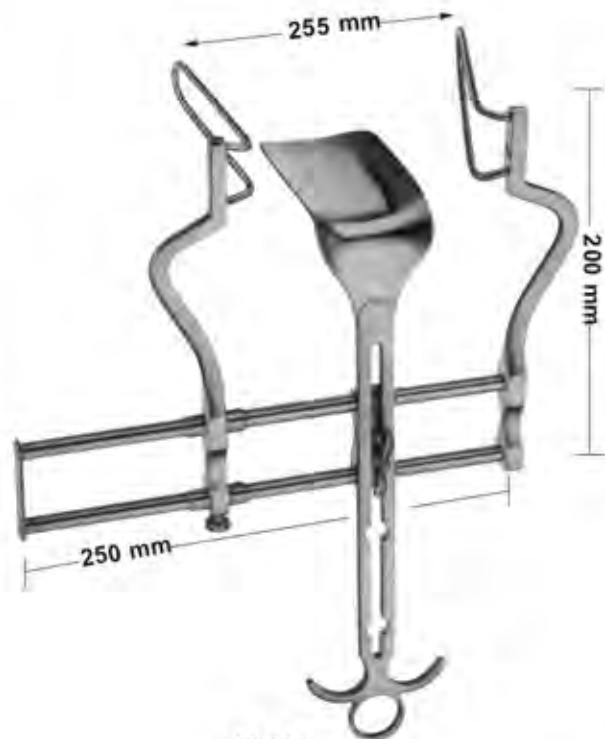
**06-259**  
GOSSET  
Lateral blades 58 mm deep  
Center blade 59 x 57 mm



# Abdominal Retractors



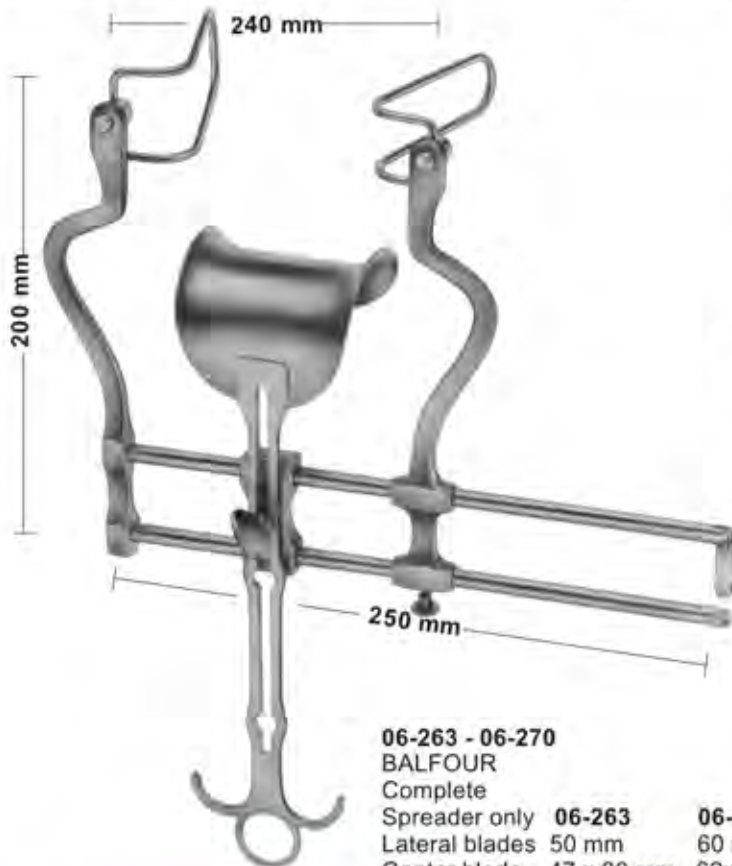
**06-260**  
BALFOUR  
Lateral blades 60 mm deep  
Center blade 47 x 80 mm



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



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



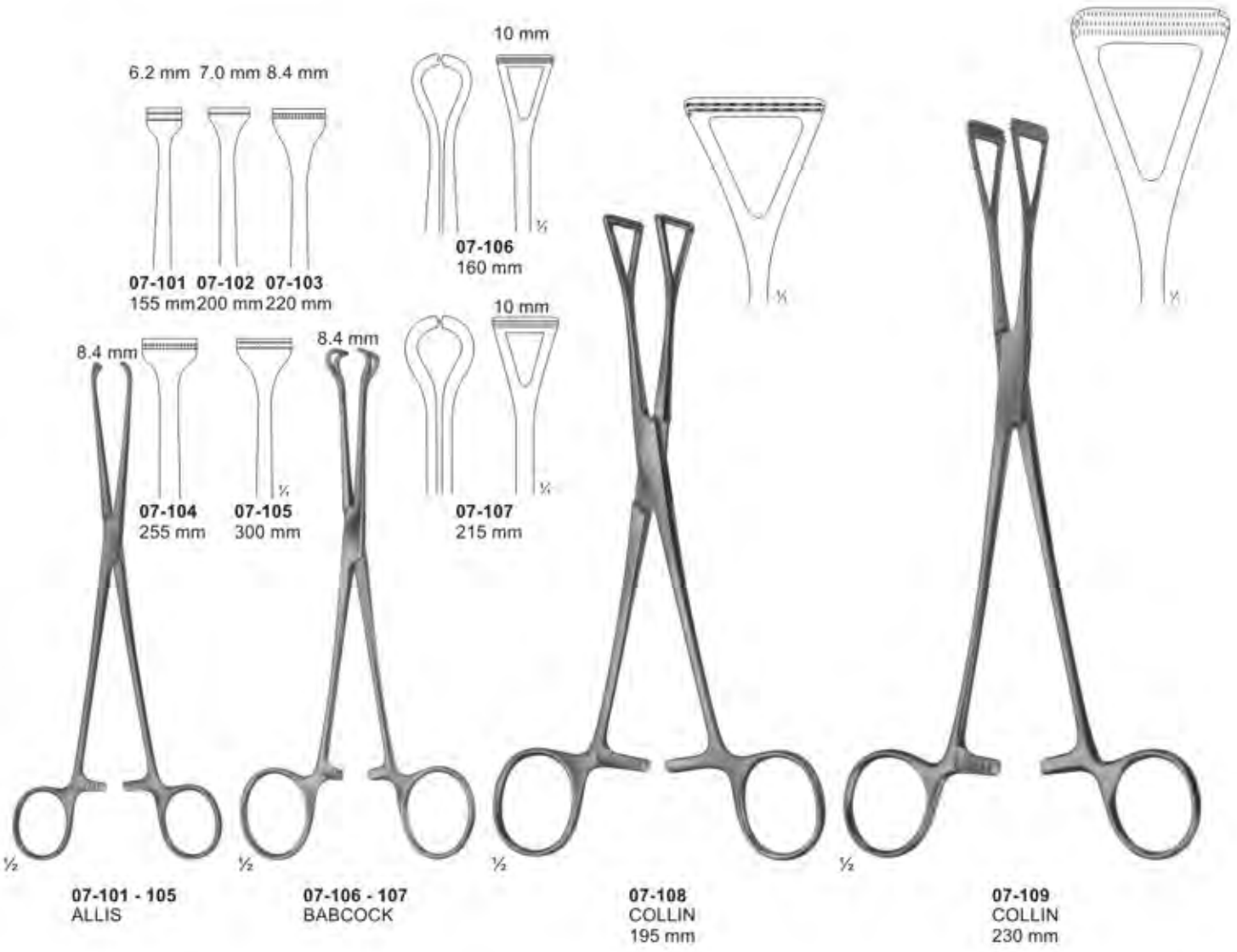
**06-263 - 06-270**  
BALFOUR  
Complete

Spreader only	<b>06-263</b>	<b>06-264</b>	<b>06-265</b>	<b>06-266</b>
Lateral blades	50 mm	60 mm	75 mm	90 mm
Center blade	47 x 80 mm	62x76 mm	80x80 mm	80x80 mm



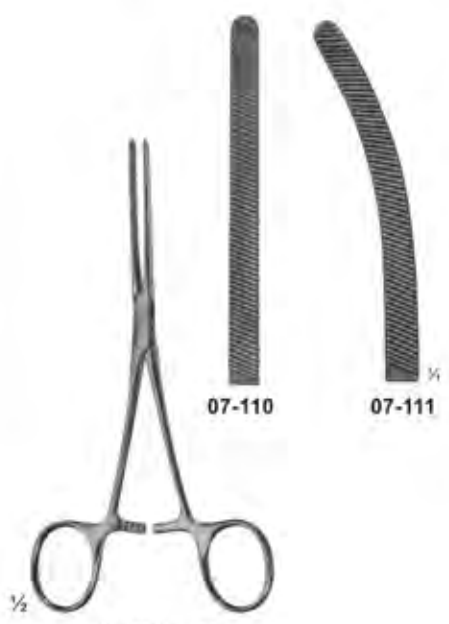
Lateral blades  
**06-267** 50 mm deep  
**06-268** 60 mm deep  
**06-269** 75 mm deep  
**06-270** 90 mm deep  
 Sales Unit of blades: PR = pair

# Organ-, Tissue and Intestinal Grasping Forceps

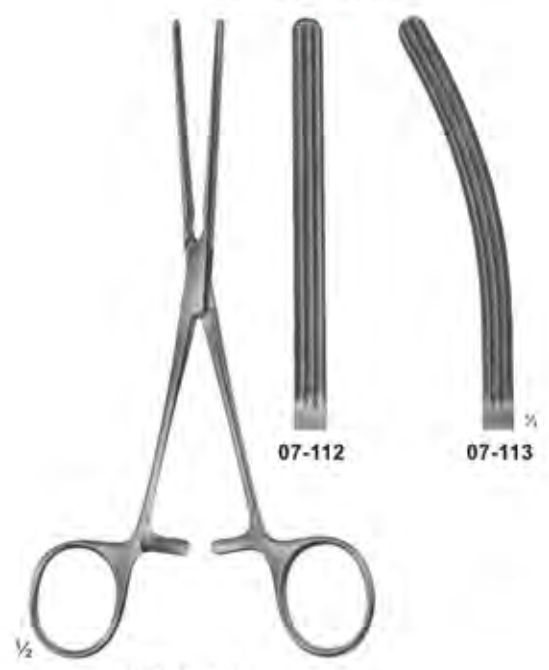


**Intestinal Clamps, soft elastic**

**ATRAUMATA**

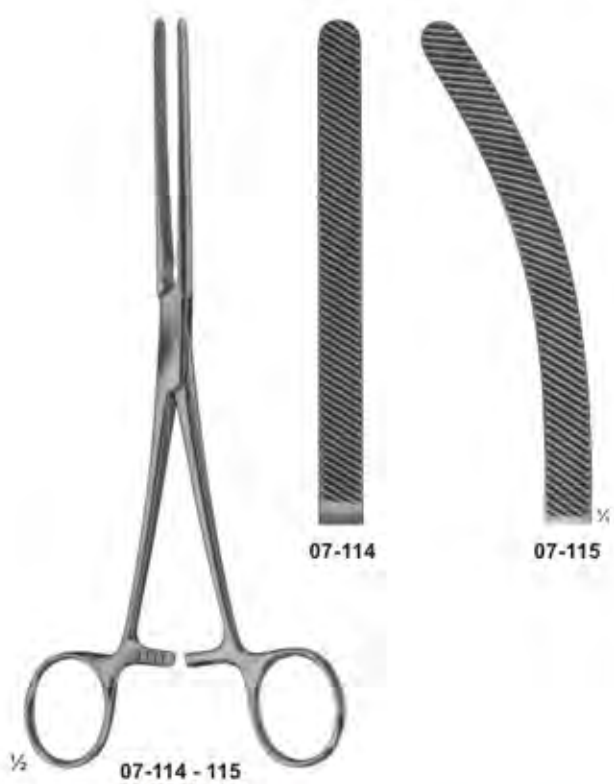


**07-110 - 111**  
DOYEN  
elastic  
165 mm

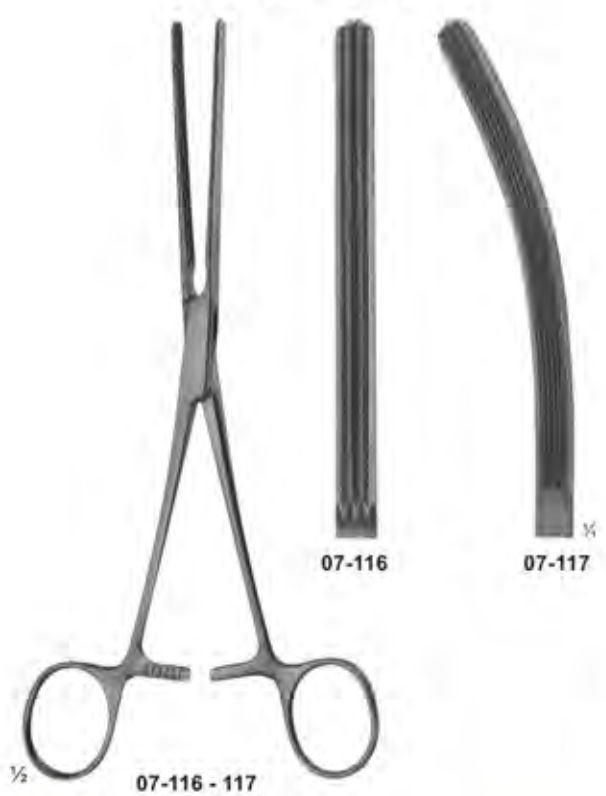


**07-112 - 113**  
DOYEN  
with elastic blades  
170 mm

**ATRAUMATA**



**07-114 - 115**  
HARTMANN  
with elastic blades  
200 mm



**07-116 - 117**  
HARTMANN  
with elastic blades  
200 mm

## Intestinal and Pylorus Clamps



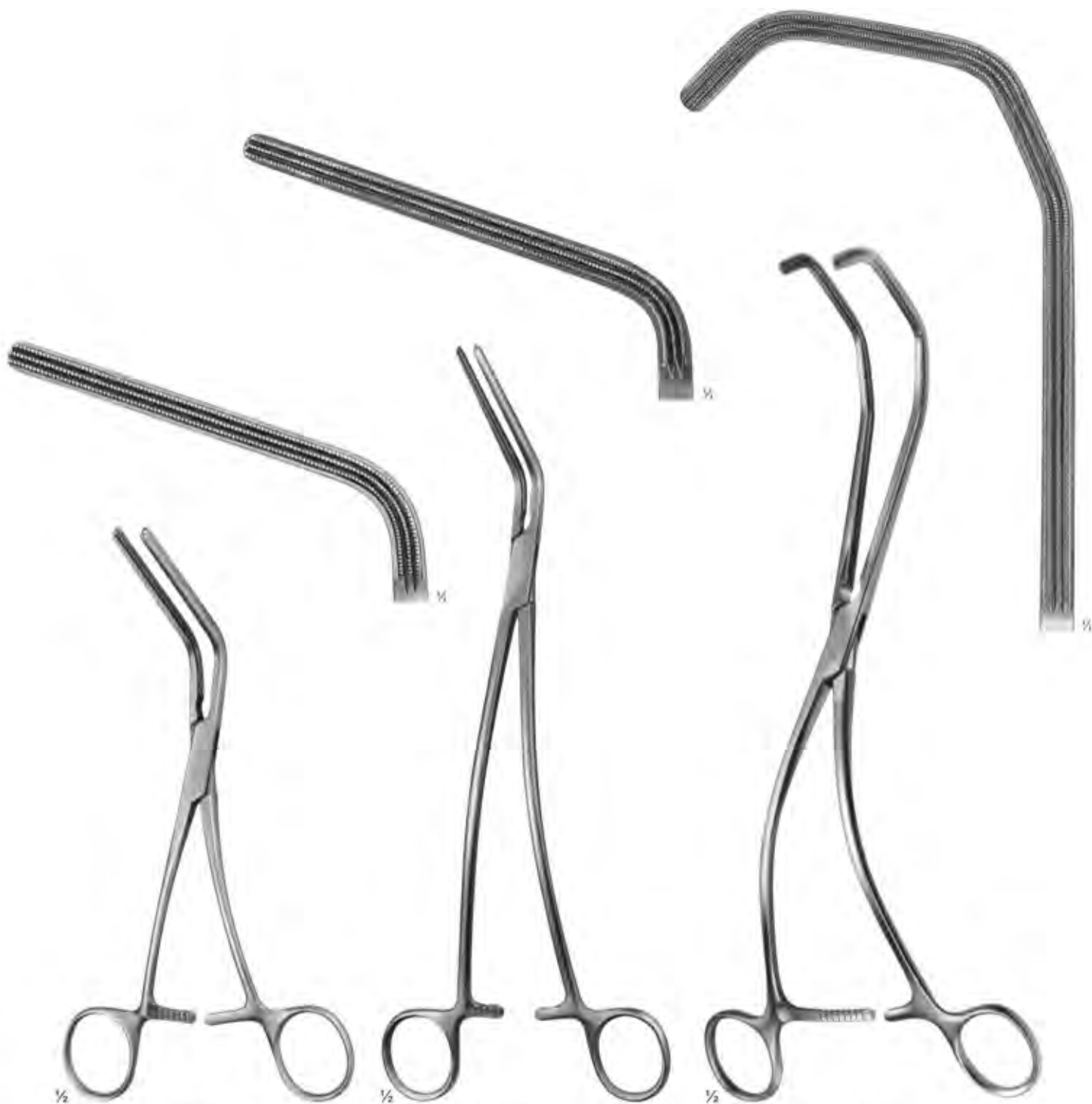
07-118  
PAYR  
Intestinal clamp  
light pattern,  
for children  
180 mm

07-119  
PAYR  
200 mm

07-120  
PAYR  
275 mm

07-121  
PAYR  
Pylorus clamp  
315 mm

**ATRAUMATA**  
**Sigmoid Anastomosis Forceps**



**07-122**  
**MORRIS**  
175 mm

**07-123**  
**DE BAKEY**  
(MORRIS modif.)  
240 mm

**07-124**  
**KERSTING**  
270 mm

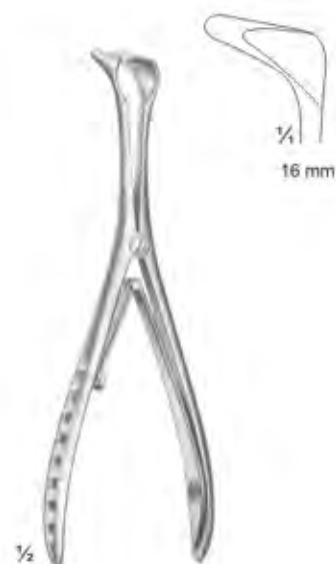
# Nasal Specula



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



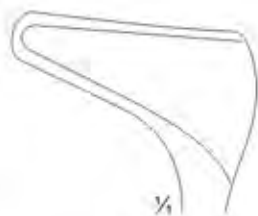
**08-102**  
SIMS  
160 mm



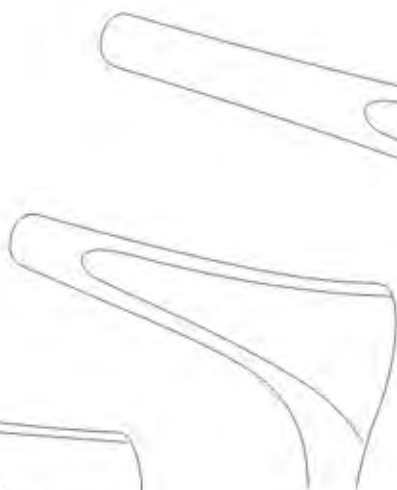
**08-103**  
Tieck-Halle  
13 cm / 5 1/8"



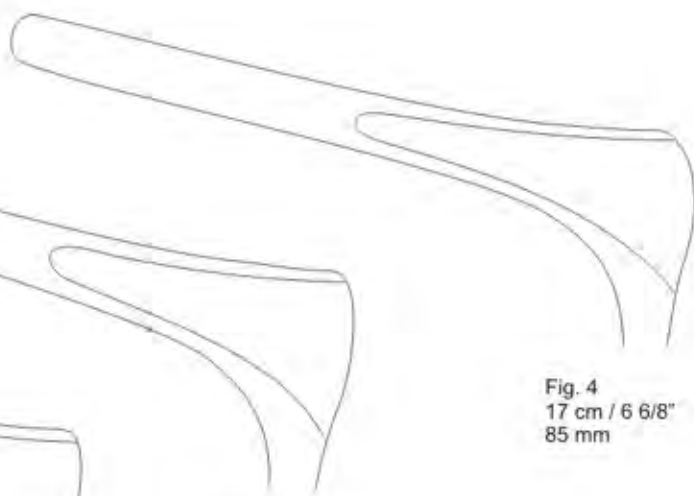
**08-104**  
Killian



**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

# Nasal Specula



**08-105**  
Cottle



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



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

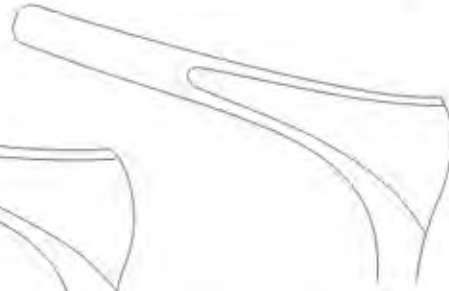


Fig. 3  
16 cm / 6 2/8"  
75 mm

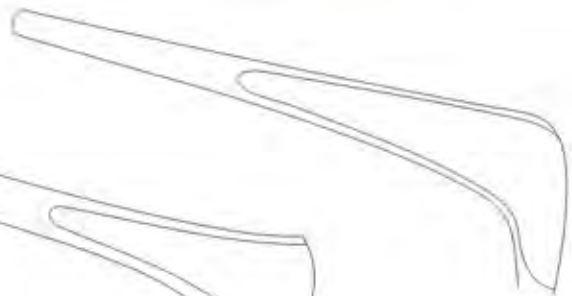


Fig. 4  
16 cm / 6 2/8"  
85 mm



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

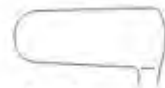


Fig. 1  
21,0 x 9,5 mm



Fig. 2  
21,0 x 10,5 mm

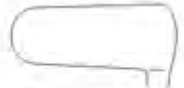


Fig. 3  
21,0 x 11,5 mm



**08-107**  
Mod. Wien 2  
13,5 cm / 5 1/8"



30 mm



**08-108**  
Hartmann-Halle  
16 cm / 6 1/8"



Fig. 1  
27 mm



Fig. 2  
31 mm



Fig. 3  
35 mm

# Anusopes-Sphincteroscopes



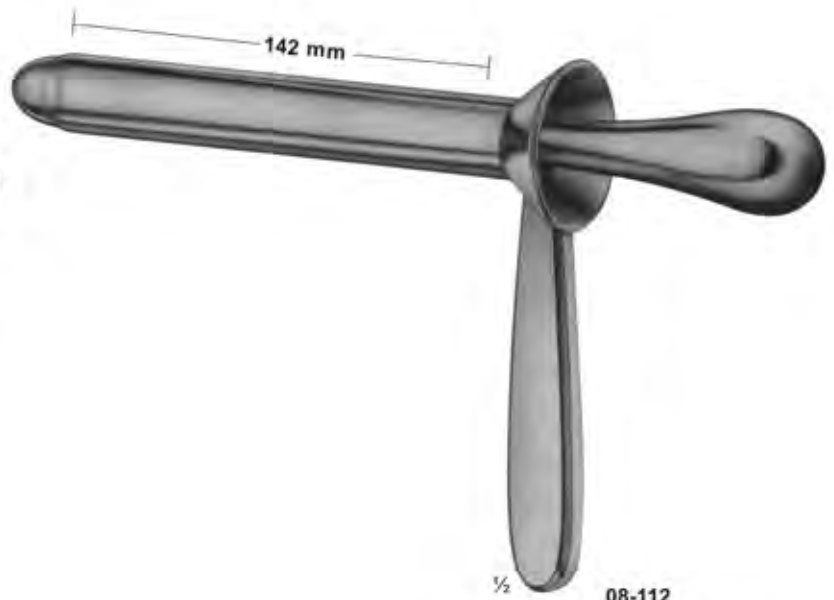
08-109  
IVES-FANSLER  
Anuscops  
145 mm  
Ø24mm



08-110  
KELLY  
Sphincteroscope  
160 mm  
Ø21mm



08-111  
KELLY  
Sphincteroscope  
160 mm  
Ø27mm

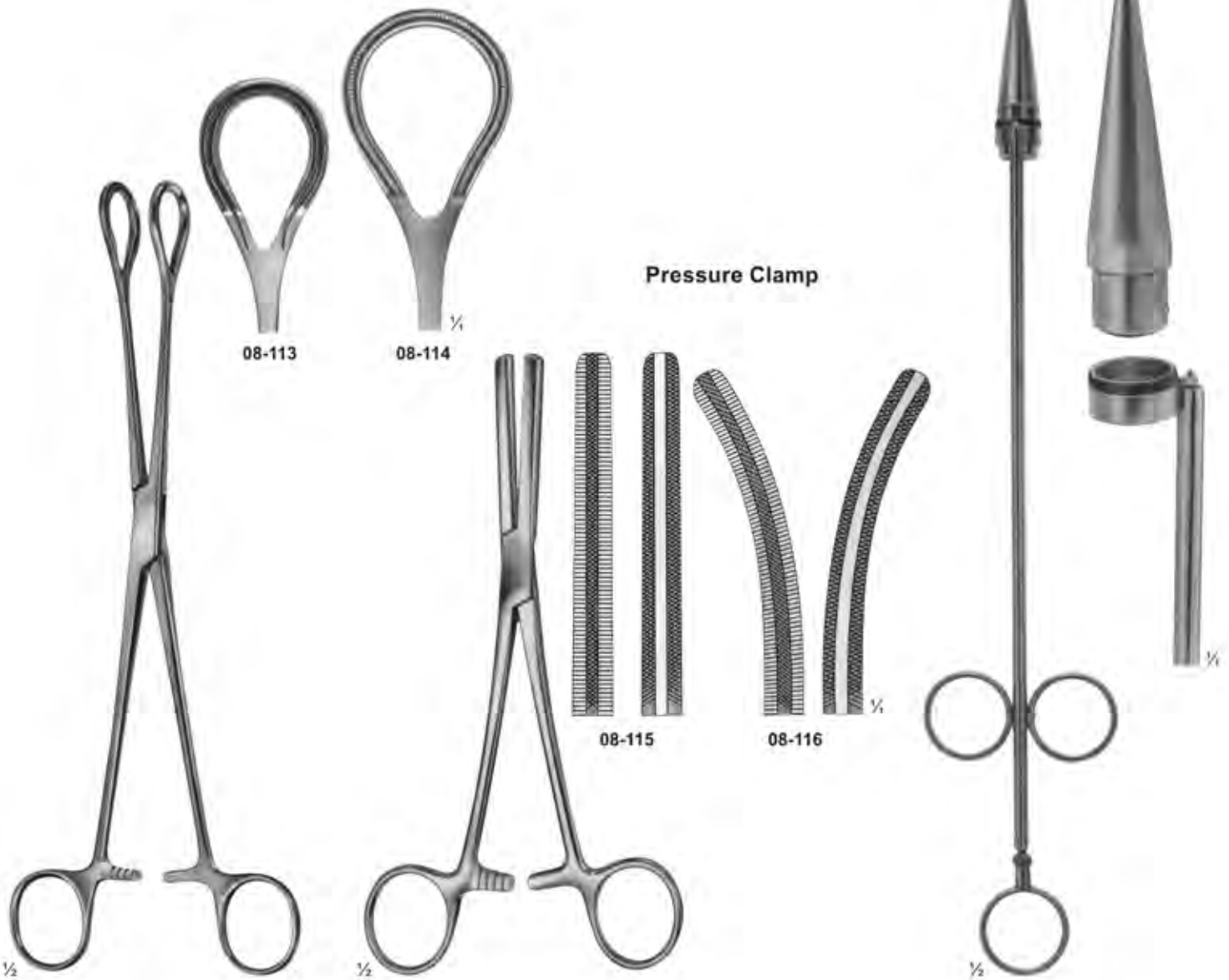


08-112  
KELLY  
Proctoscope  
140 mm  
Ø22mm



ATRAUMATA

Pressure Clamp



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

## 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

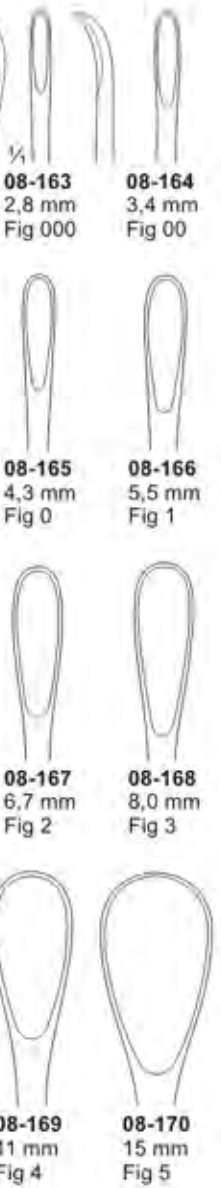
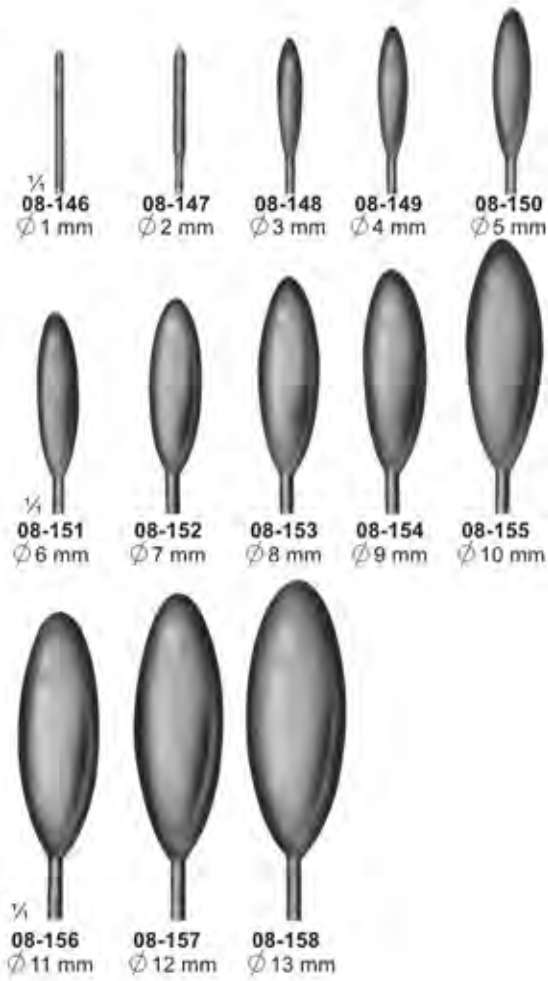


**08-122**  
NISSEN  
Gall duct-and cystic forceps  
215 mm

# Gall Duct Dilators and Gall Stone Scoops



**Charr.  
(French)**  
08-123 8  
08-124 9  
08-125 10  
08-126 11  
08-127 12  
08-128 13  
08-129 14  
08-130 15  
08-131 16  
08-132 17  
08-133 18  
08-134 19  
08-135 20  
08-136 21  
08-137 22  
08-138 23  
08-139 24  
08-140 25  
08-141 26  
08-142 27  
08-143 28  
08-144 29  
08-145 30



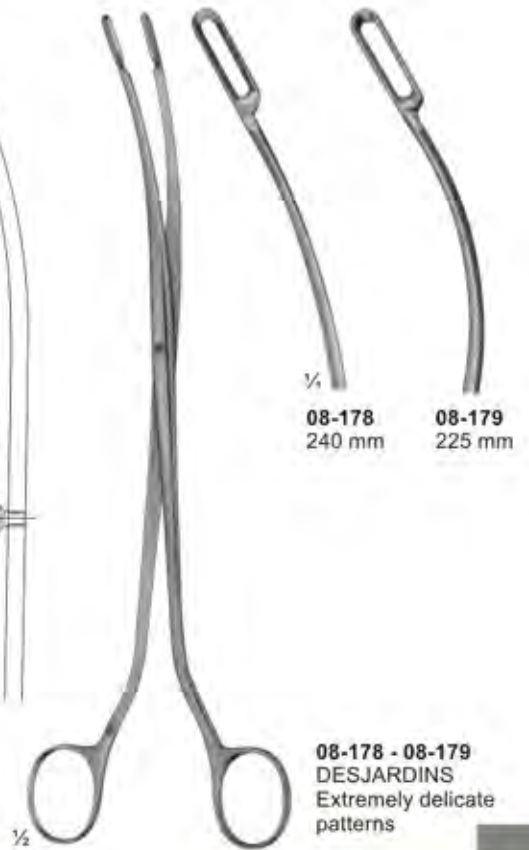
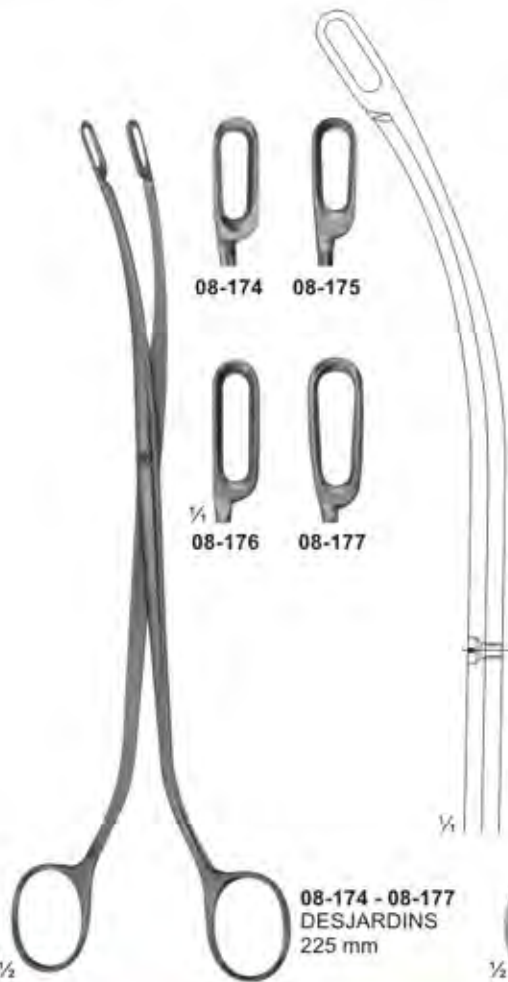
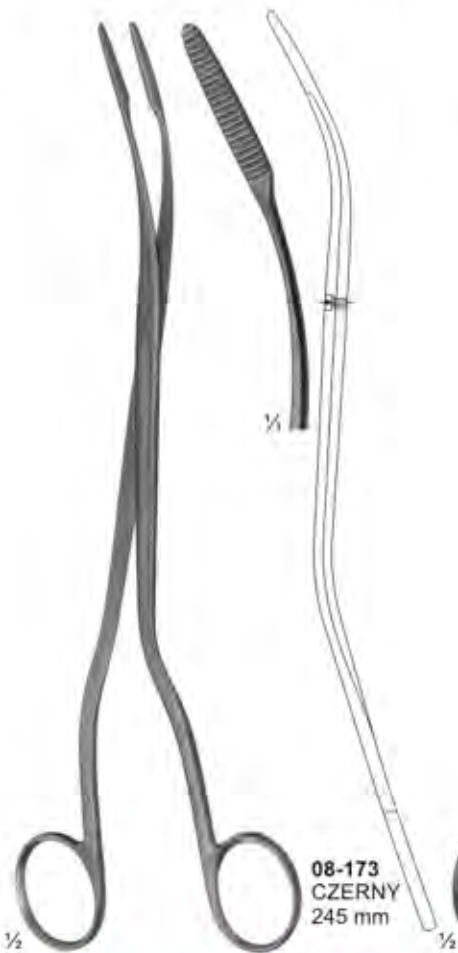
**08-123 - 08-145**  
DITTEL  
Metall bougies and  
dilating sounds, stiff  
345 mm

**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 shaft  
300 mm

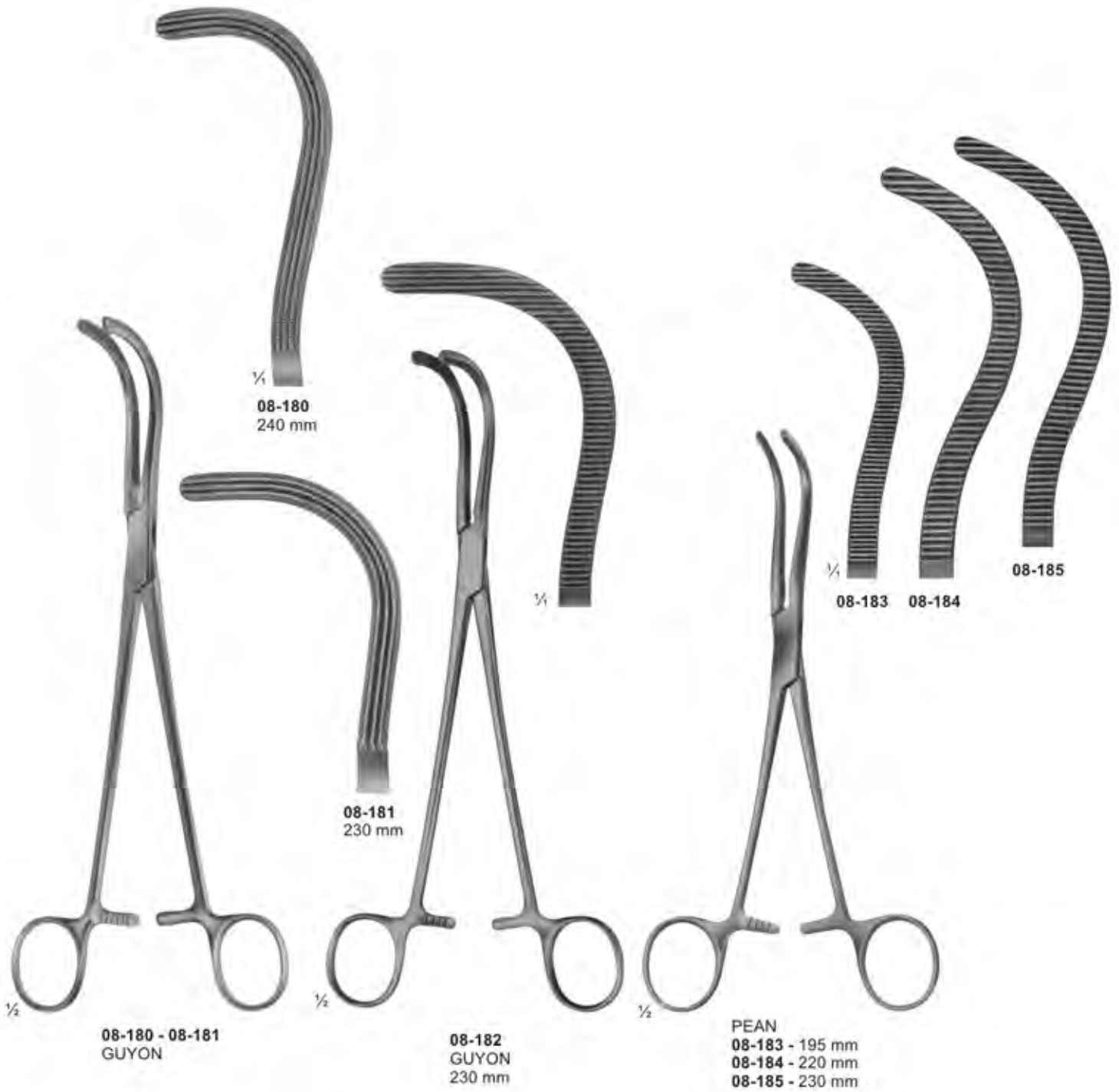
**08-163 - 08-170**  
LUER-KOERTE modif  
with malleable shaft  
310 mm

**Gall Stone Forceps**



# Kidney Clamps

## ATRAUMATA



# Kidney Stone Forceps



08-186



08-187



08-188



08-189



08-190



08-191



08-192

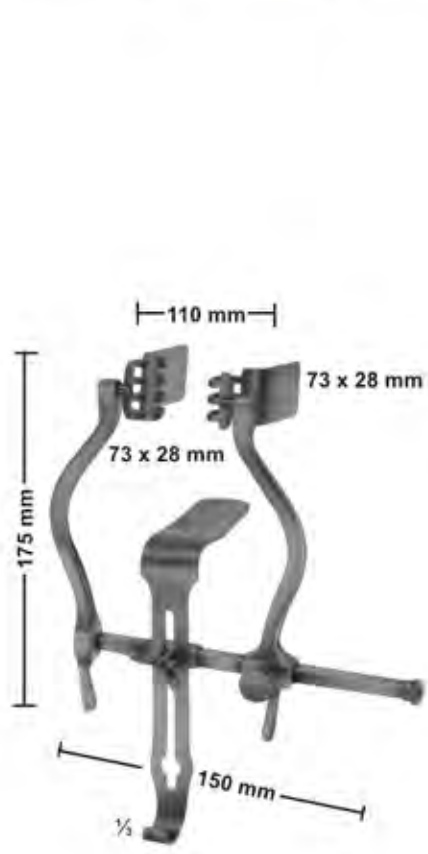


08-186 - 08-189  
RANDALL  
225 mm



08-190 - 08-192  
RANDALL  
190 mm

# 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**  
KOCHER  
Bladder spatula  
235 mm

# Trocars



**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

**09-108 - 112**  
Inside diam. Outside diam  
**09-108** 2,2 mm 3,0 mm  
**09-109** 3,0 mm 4,0 mm  
**09-110** 4,0 mm 5,0 mm  
**09-111** 5,0 mm 6,0 mm  
**09-112** 5,5 mm 6,5 mm  
for hydrocele and abdominal  
puncture



**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  
Ø 4,0 mm



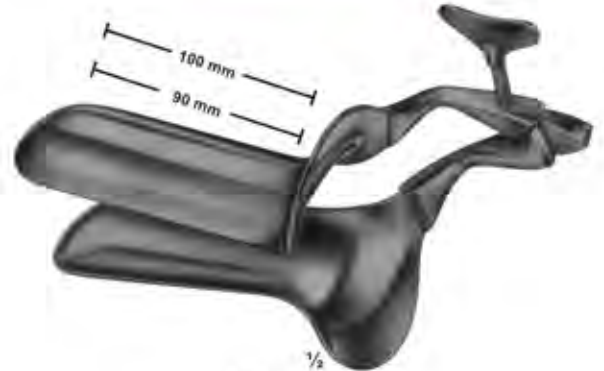
**09-124**  
COAKLEY  
Antrum trocar  
3,0 mm



# 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 width



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

Vaginal Specula- Sets, upper and lower blades



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

1/2



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

1/2



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

1/2



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

1/2



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

1/2



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

1/2



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

1/2

## Vaginal Specula- upper and lower blades



**10-132** 75X10 mm  
175 mm

**10-136** 70X15 mm  
175 mm

**10-133** 75X23 mm  
180 mm

**10-137** 70X27 mm  
180 mm

**10-134** 80X25 mm  
180 mm

**10-138** 75X30 mm  
180 mm

**10-135** 100X32 mm  
185 mm

**10-139** 90X36 mm  
185 mm

**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

# Vaginal Specula



10-140 - 143  
DOYEN  
235 mm

10-140  
60 X 45 mm

10-141  
90 X 45 mm

10-142  
112 X 45 mm

length of blades  
60 mm  
90 mm  
120 mm  
160 mm

width of blades  
35 mm    45 mm    60 mm

width of blades	35 mm	45 mm	60 mm
	10-143	10-146	10-150
	10-144	10-147	10-151
	10-145	10-148	10-152
		10-149	10-153

10-143 - 10-153  
DOYEN  
240 mm

# Vaginal Retractors



1/2  
**10-154**  
JOLL (FRIEDMAN)  
155 mm



1/2  
**10-155**  
RICHTER  
170 mm



1/2  
**10-156**  
GELPI  
135 mm



1/2  
**10-157**  
GELPI  
175 mm

## Uterine Dilators



½

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

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	½mm
11-106	6	mm	11-128	2	½mm
11-107	7	mm	11-129	3	½mm
11-108	8	mm	11-130	4	½mm
11-109	9	mm	11-131	5	½mm
11-110	10	mm	11-132	6	½mm
11-111	11	mm	11-133	7	½mm
11-112	12	mm	11-134	8	½mm
11-113	13	mm	11-135	9	½mm
11-114	14	mm	11-136	10	½mm
11-115	15	mm	11-137	11	½mm
11-116	16	mm	11-138	12	½mm
11-117	17	mm	11-139	13	½mm
11-118	18	mm	11-140	14	½mm
11-119	19	mm	11-141	15	½mm
11-120	20	mm	11-142	16	½mm
11-121	21	mm	11-143	17	½mm
11-122	22	mm			



½

**11-144 - 152**  
HEGAR  
205 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



¼

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

# Uterine Probes



**11-154**  
MAYO  
malleable  
330 mm



**11-155**  
SIMS  
malleable  
330 mm



**11-156**  
MARTIN  
330 mm



**11-157**  
SIMPSON  
malleable  
silver-plated  
290 mm



**11-158**  
BRAUN  
Uterine  
depressor  
270 mm



**11-159**  
Cotton  
applicator  
270 mm

## Uterine Dressing Forceps



11-160  
PELKMANN  
260 mm



11-161  
PELKMANN  
260 mm



11-162  
BOZEMANN  
250 mm



11-163  
BOZEMANN  
255 mm

Jaws with longitudinal groove



# Polypus-and Ovum Forceps



11-164  
HEYWOOD-SMITH  
200 mm

11-165  
KELLY  
320 mm

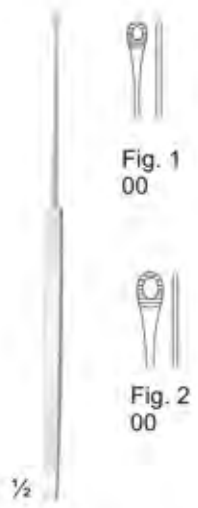
11-166  
HEYWOOD-SMITH  
250 mm

11-167  
NOTO  
280 mm

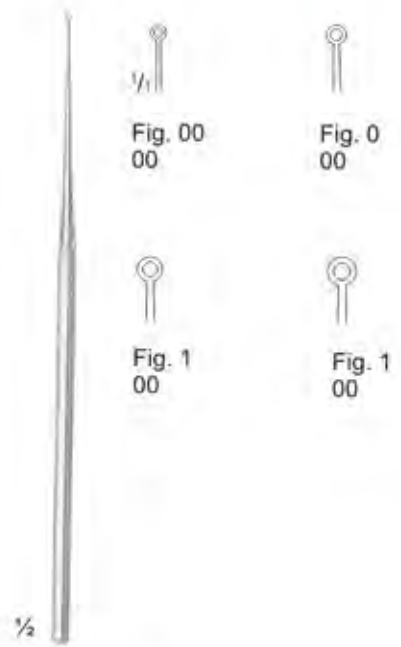
# Ear Currettes



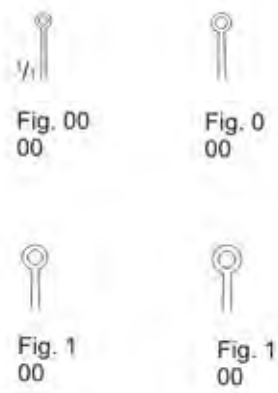
**12-101**  
Langenbeck  
13 cm / 5 1/8"



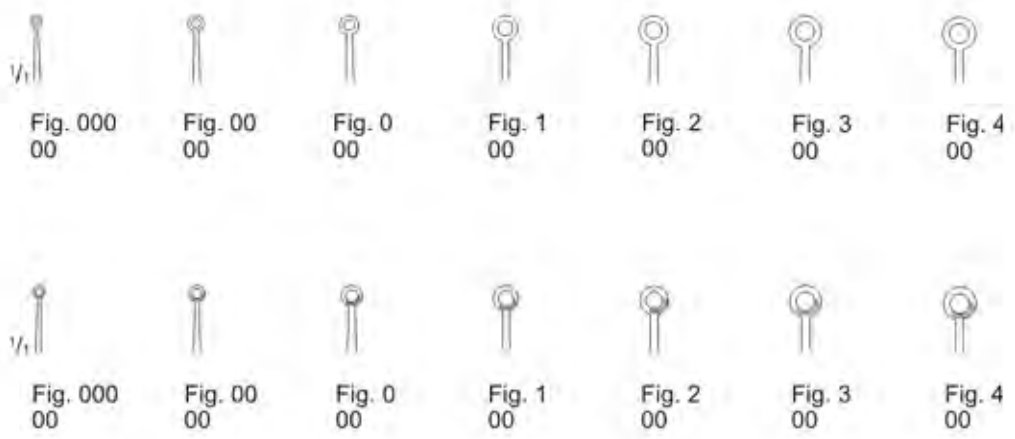
**12-102**  
Shapleigh  
15 cm / 5 1/8"



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



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



# Biopsy Curettes



# 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



$\frac{1}{2}$   
**12-109 - 12-119**

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



$\frac{1}{4}$   
**12-114**  
Hartmann-Herzfeil  
2,0 mm  
shaft length  
85mm



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



**12-116**  
shaft length  
85mm

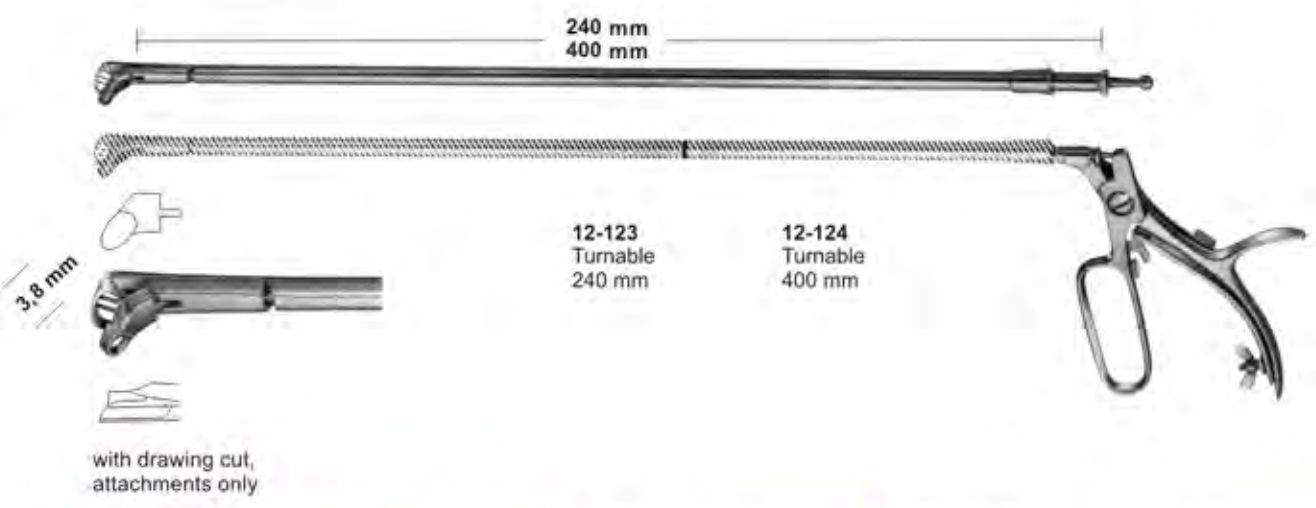
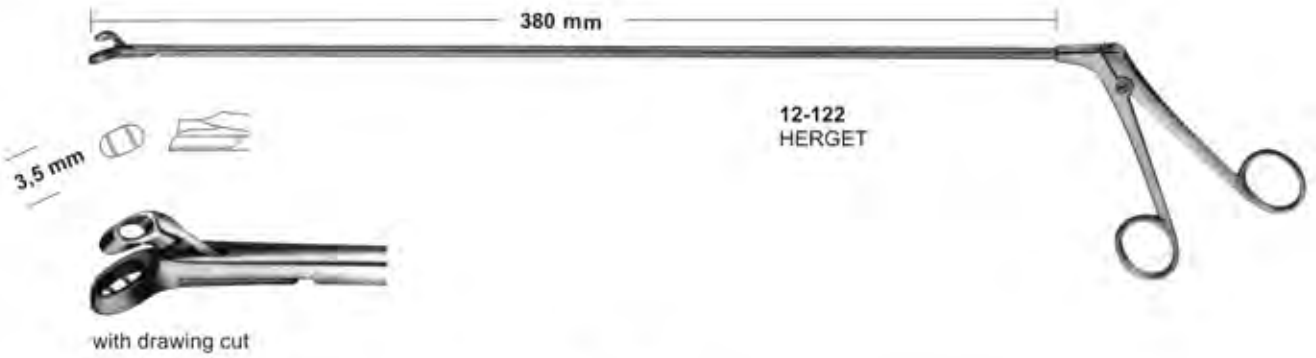
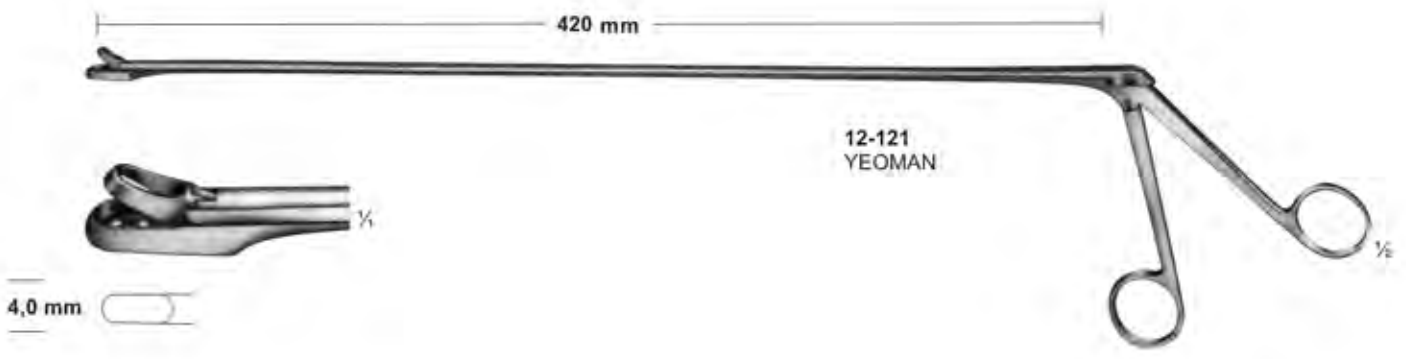
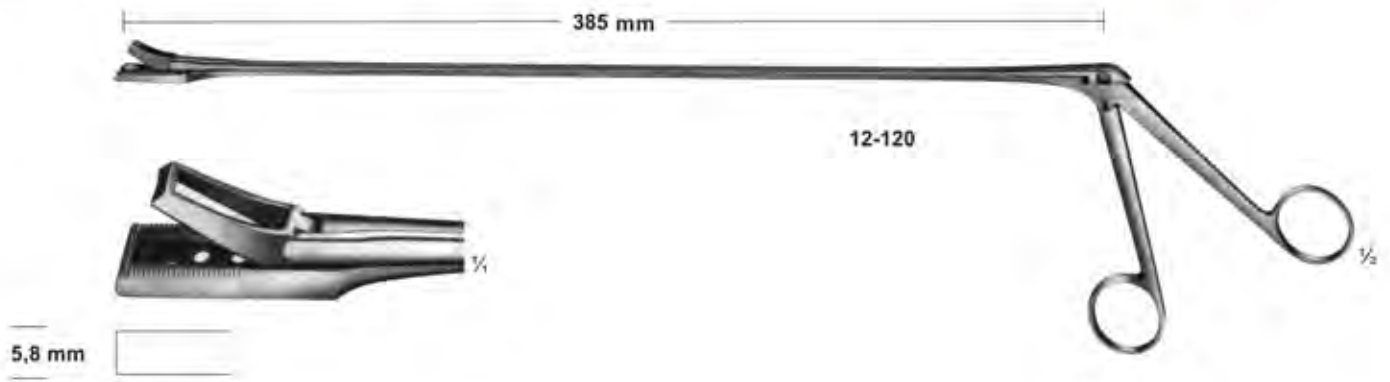


**12-117**  
Hartmann-Hoffmar  
2,0 mm  
85mm

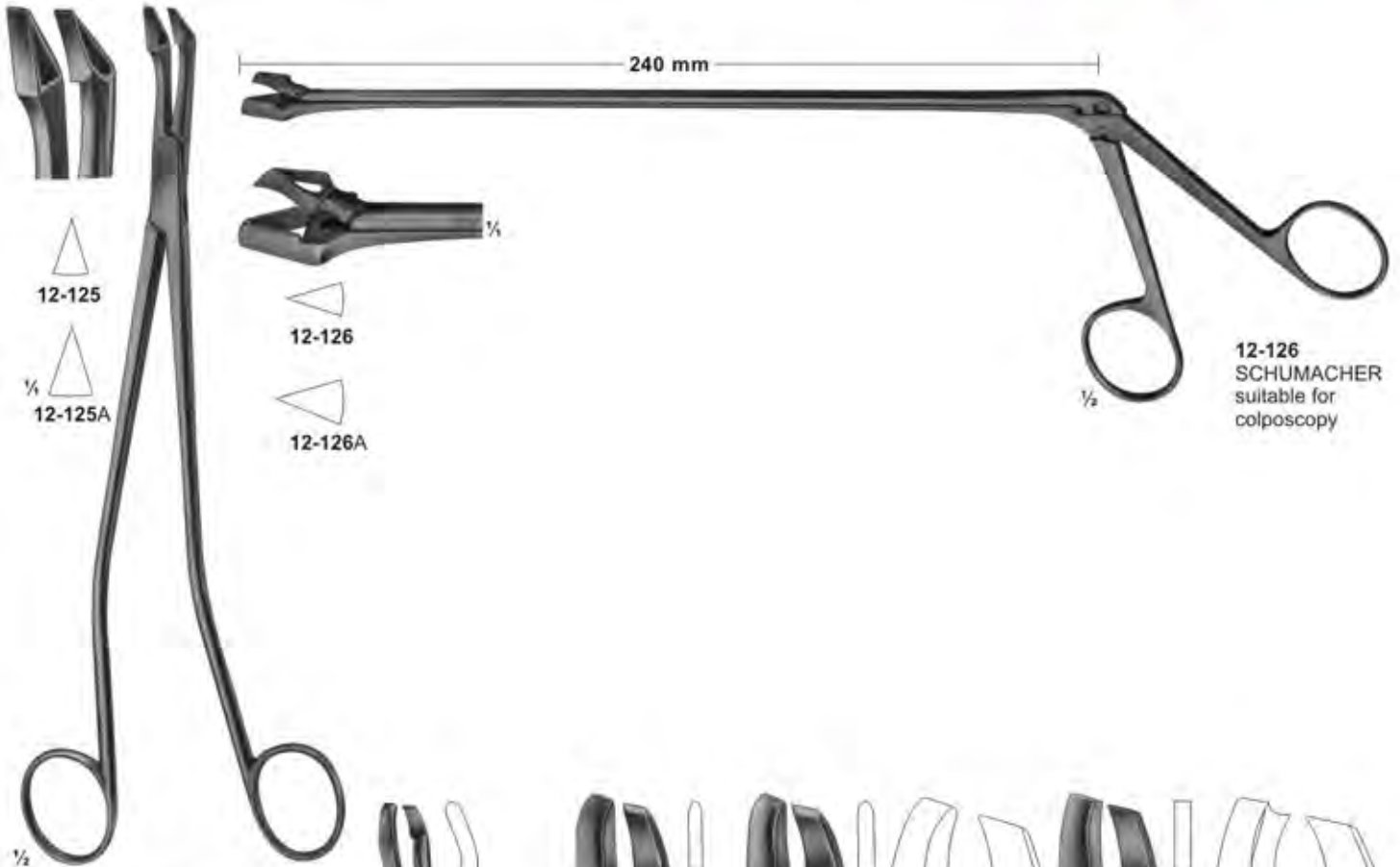
**12-118**  
2,5 mm  
85 mm

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

# Biopsy forceps for rectum



# Biopsy Forceps



12-125

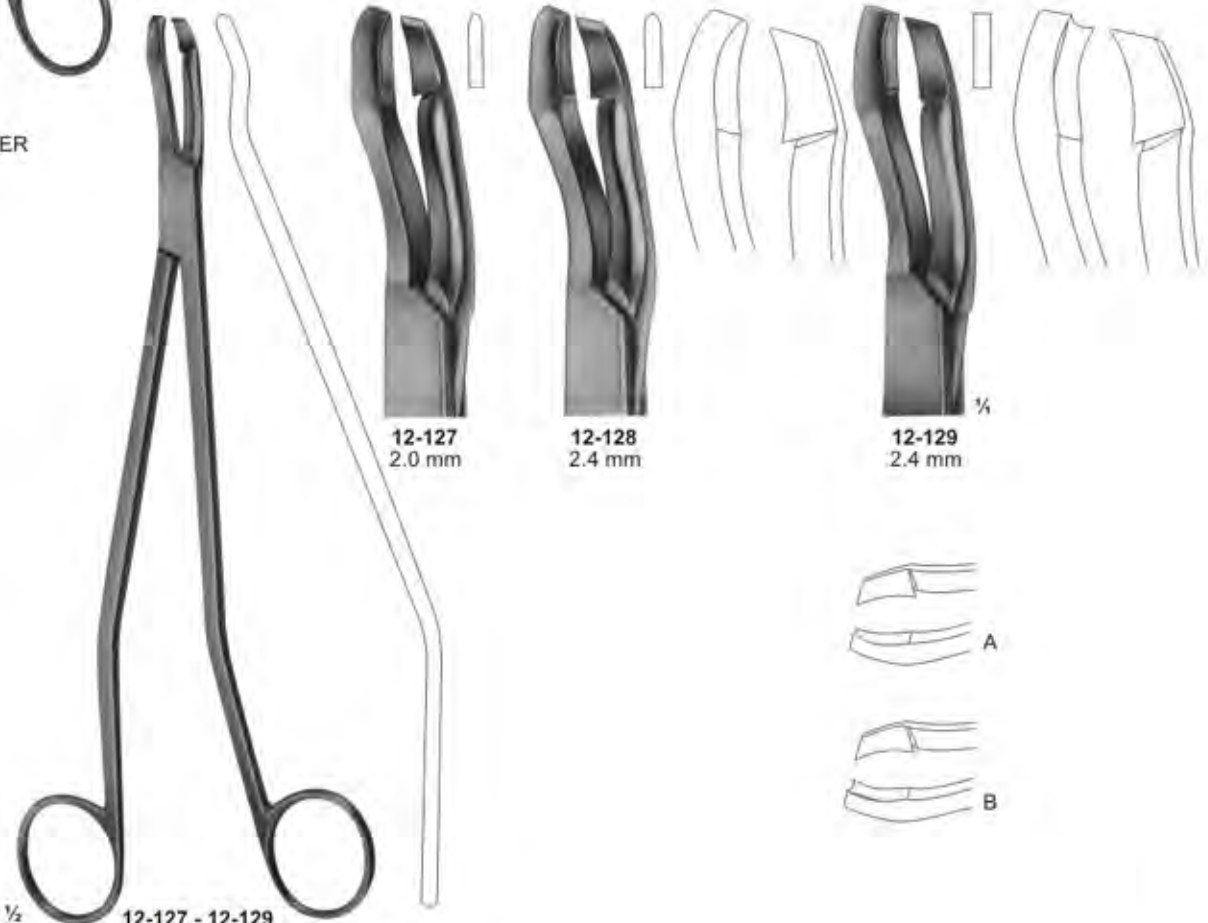
12-125A

12-126

12-126A

12-126  
SCHUMACHER  
suitable for  
colposcopy

12-125  
SCHUMACHER  
240mm



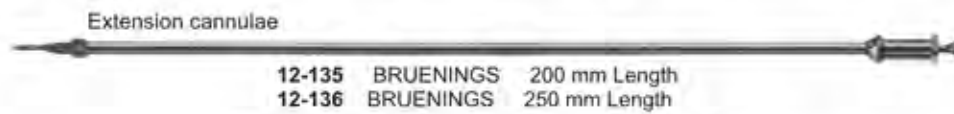
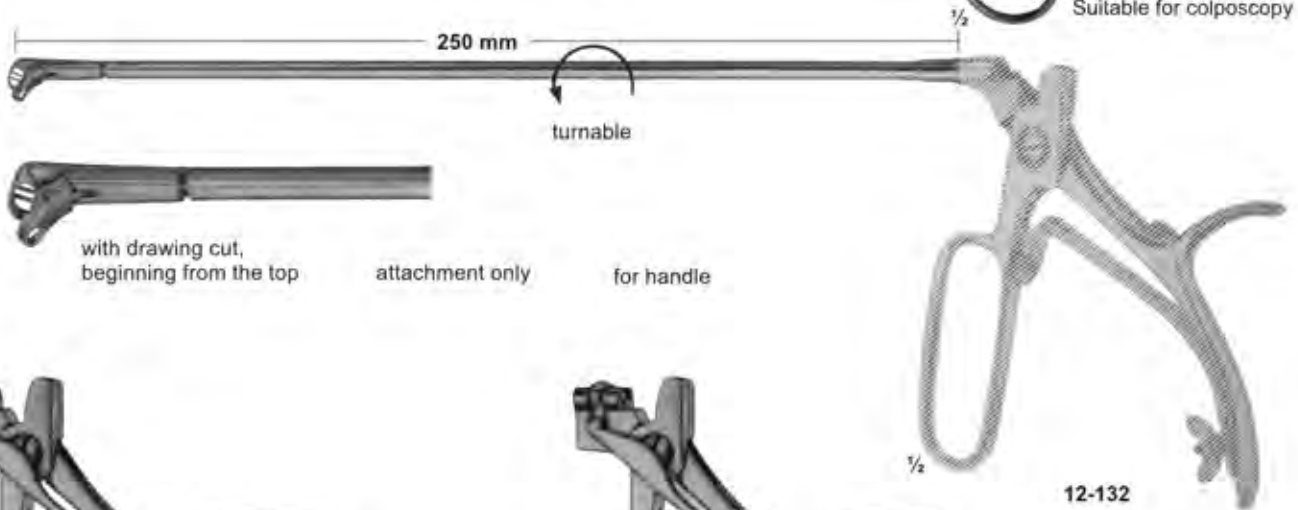
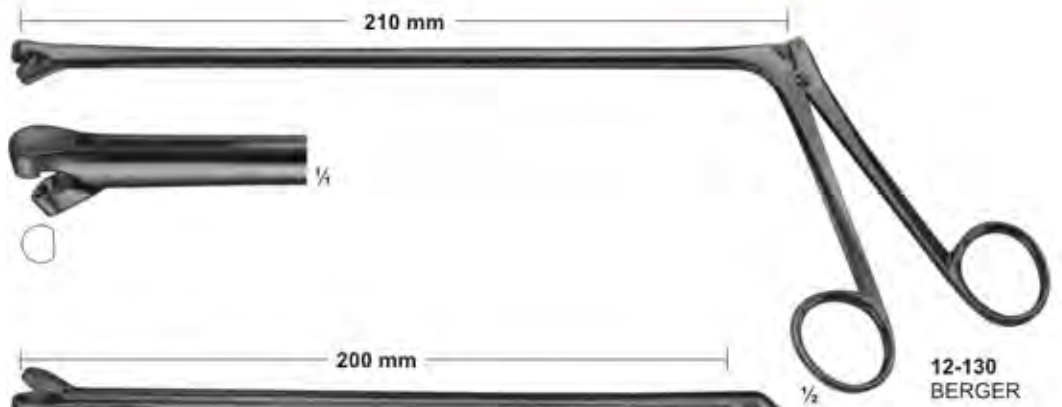
12-127  
2.0 mm

12-128  
2.4 mm

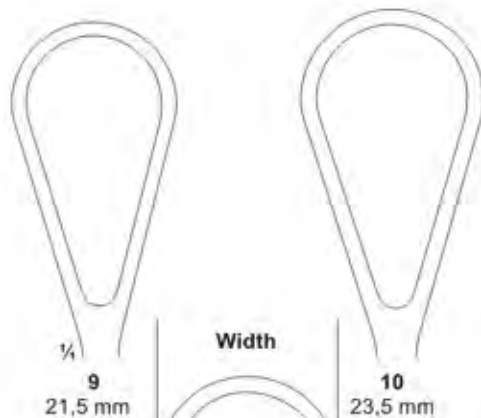
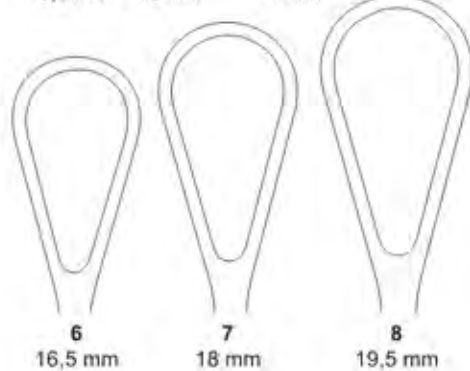
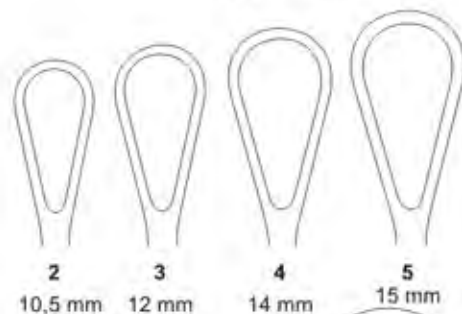
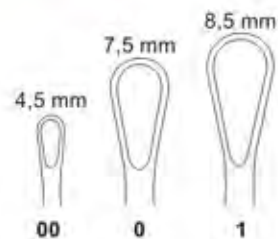
12-129  
2.4 mm

12-127 - 12-129  
SEIDL DBP  
Biopsy forceps, bayonet shaped  
for portio, vagina and vulva  
240mm

# Biopsy Forceps



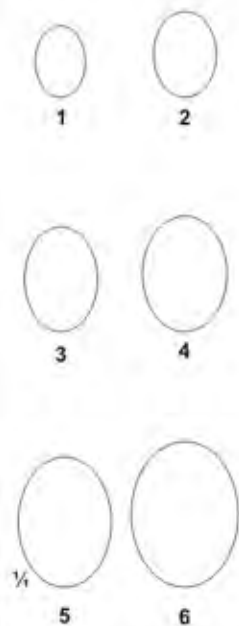
# Uterine Scoops



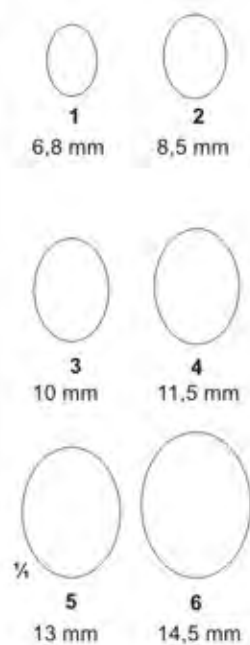
Width



12-140  
SIMON  
240 mm



12-141  
SCHROEDER  
310 mm



12-142  
RECAMIER  
300 mm



# Obstetrical Forceps



13-101  
NAEGELE  
355 mm

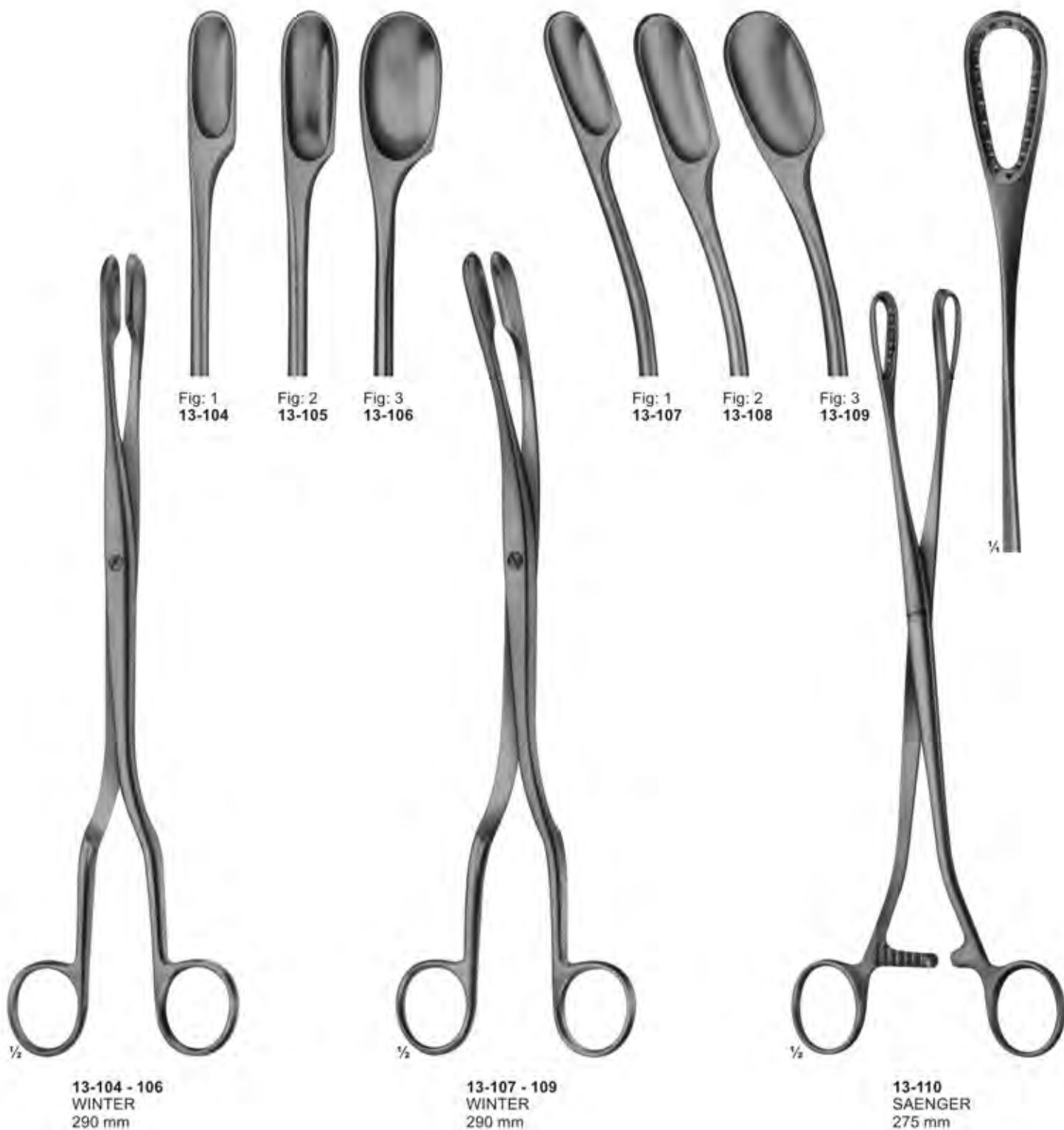


13-102  
NAEGELE  
400 mm



13-103  
SIMPSON-BRAUN  
305mm

# Obstetrics- Placenta and Ovum Forceps



## Tound-and Tracheal Hooks and Dilators



13-111  
BOSE  
165 mm



13-112  
BOSE  
165 mm



13-113 - 115  
180 mm

13-113  
sharp



13-114  
blunt



13-115  
stumpf/blunt



13-116  
FINSEN  
50 mm



13-117  
FINSEN  
70 mm



13-118  
TROUSSEAU  
120 mm



13-119  
LABORDE  
125 mm

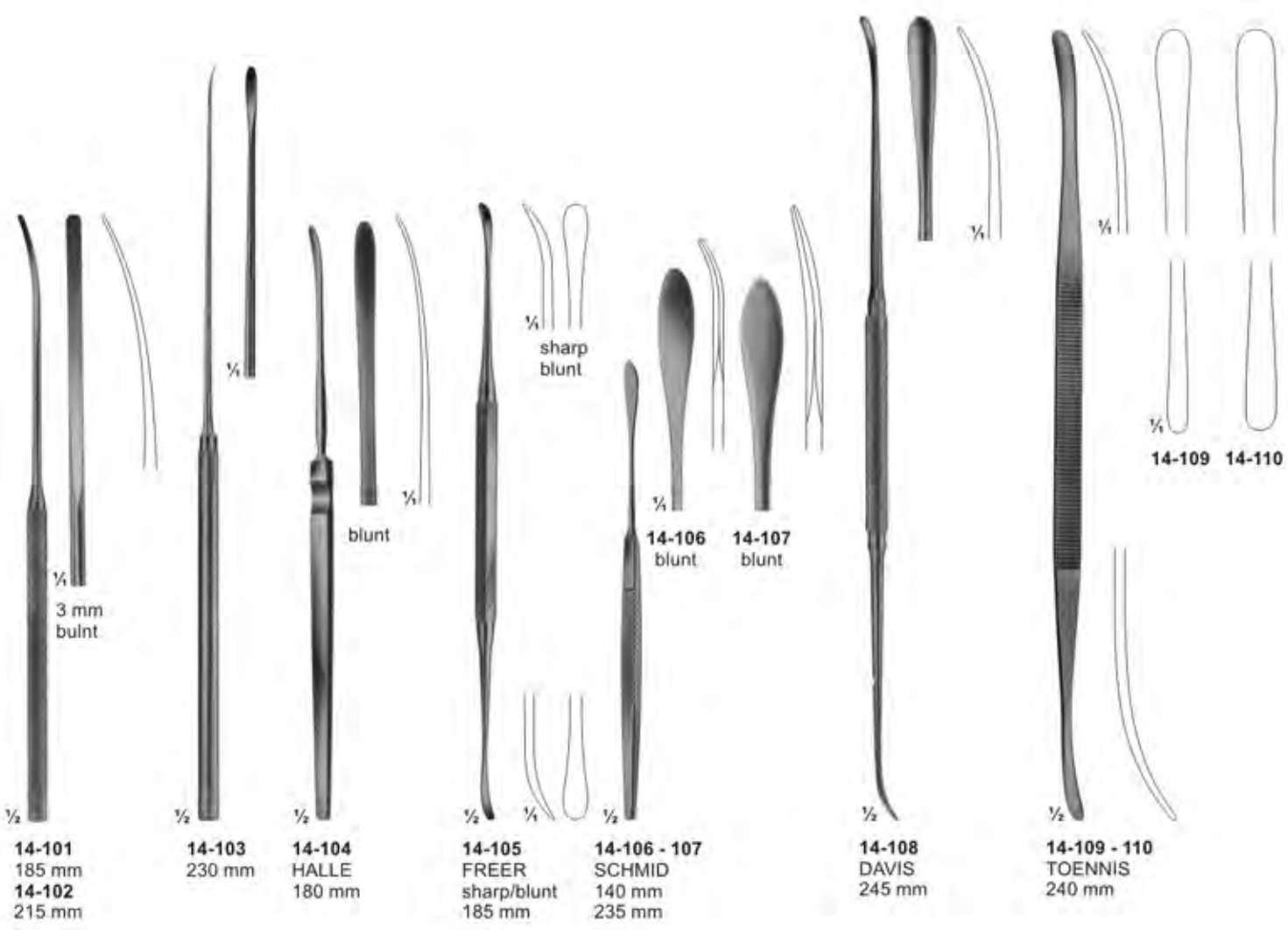


13-120  
LABORDE  
strong pattern  
135 mm



13-121  
Cleaning Brush  
for tracheal tubes  
285 mm

# Vascular Spatulas



14-101  
185 mm  
14-102  
215 mm

14-103  
230 mm

14-104  
HALLE  
180 mm

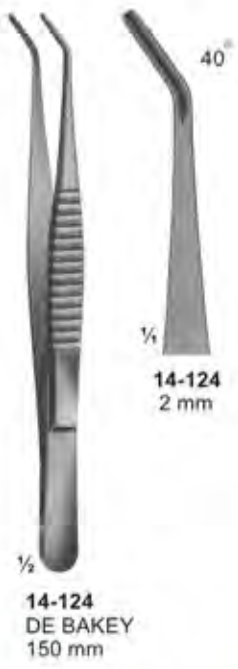
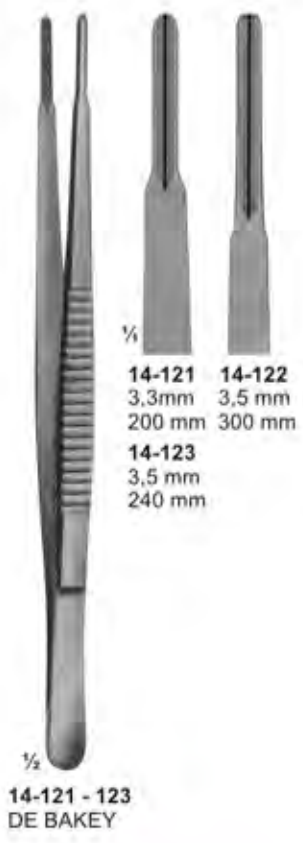
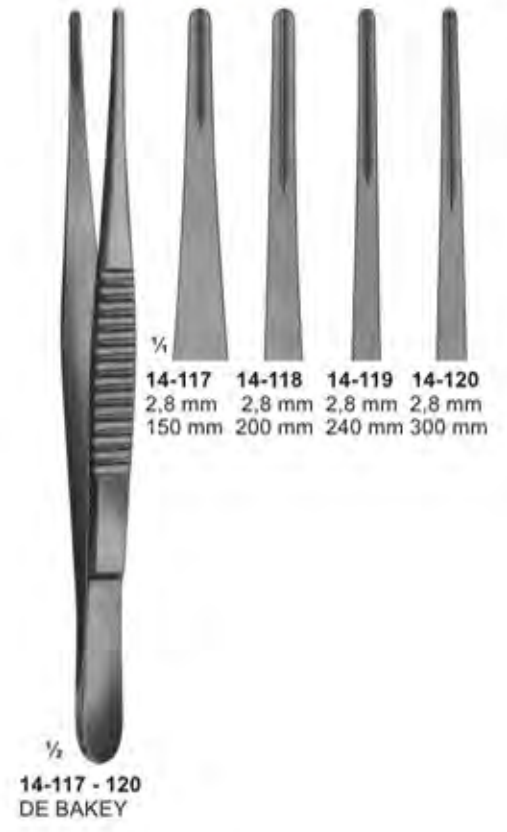
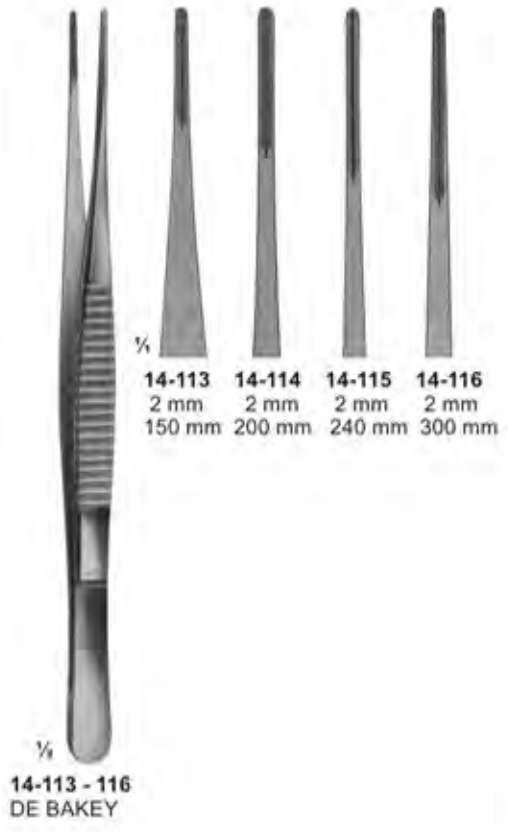
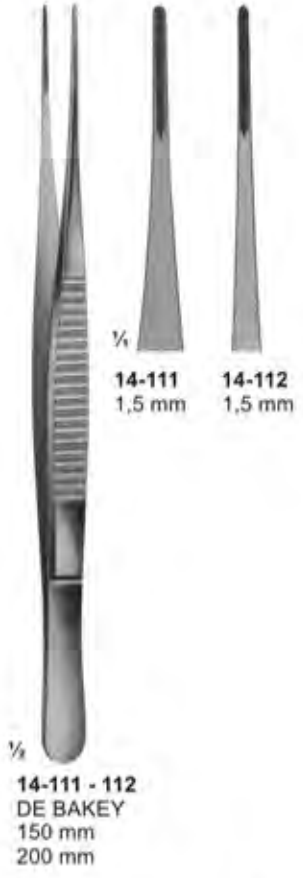
14-105  
FREER  
sharp/blunt  
185 mm

14-106 - 107  
SCHMID  
140 mm  
235 mm

14-108  
DAVIS  
245 mm

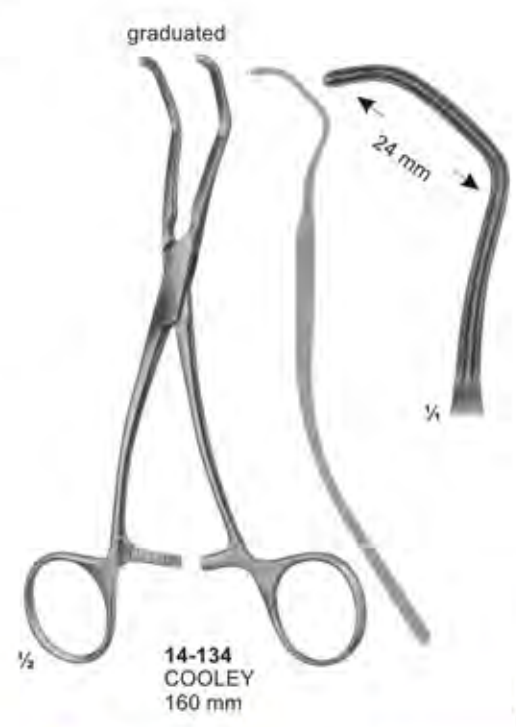
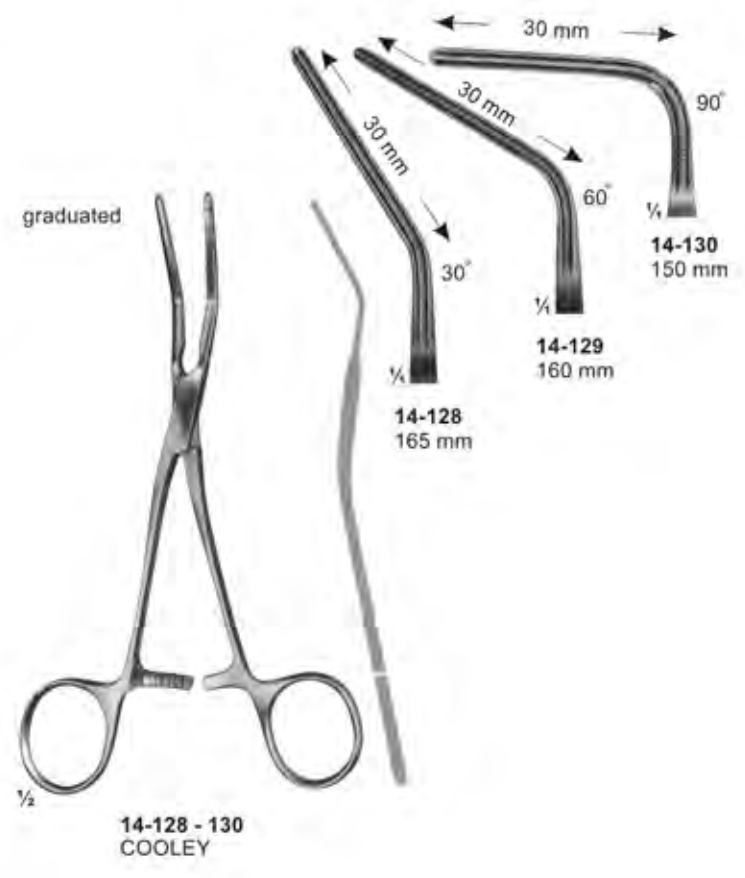
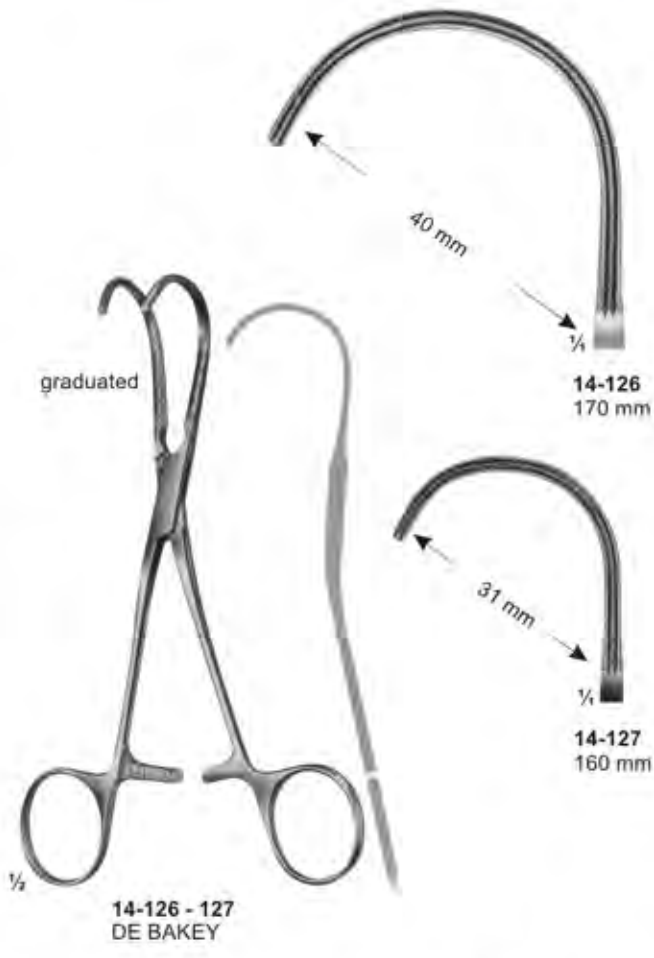
14-109 - 110  
TOENNIS  
240 mm

**ATRAUMATA  
Forceps**



**ATRAUMATA**

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



**ATRAUMATA**  
Coarctation Clamps, Patent-Ductus & Peripheral-Vascular Clamps



$\frac{1}{2}$  14-135 - 137  
DE BAKEY



$\frac{1}{4}$  14-135  
41 mm  
205 mm



14-136  
65 mm  
225 mm



14-137  
80 mm  
240 mm



$\frac{1}{2}$  14-138 - 140  
DE BAKEY



15°  
 $\frac{1}{4}$  14-138  
41 mm  
200 mm



14-139  
65 mm  
225 mm



14-140  
80 mm  
240 mm



$\frac{1}{4}$  14-141  
DE BAKEY  
210 mm

$\frac{1}{4}$  51 mm



$\frac{1}{2}$  14-142  
DE BAKEY  
210 mm

15°  
 $\frac{1}{4}$  51 mm



$\frac{1}{4}$  14-143  
DE BAKEY  
160 mm

$\frac{1}{4}$  56 mm

# Aorta- Anastomosis Clamps



L  
14-144  
WEBER  
260 mm



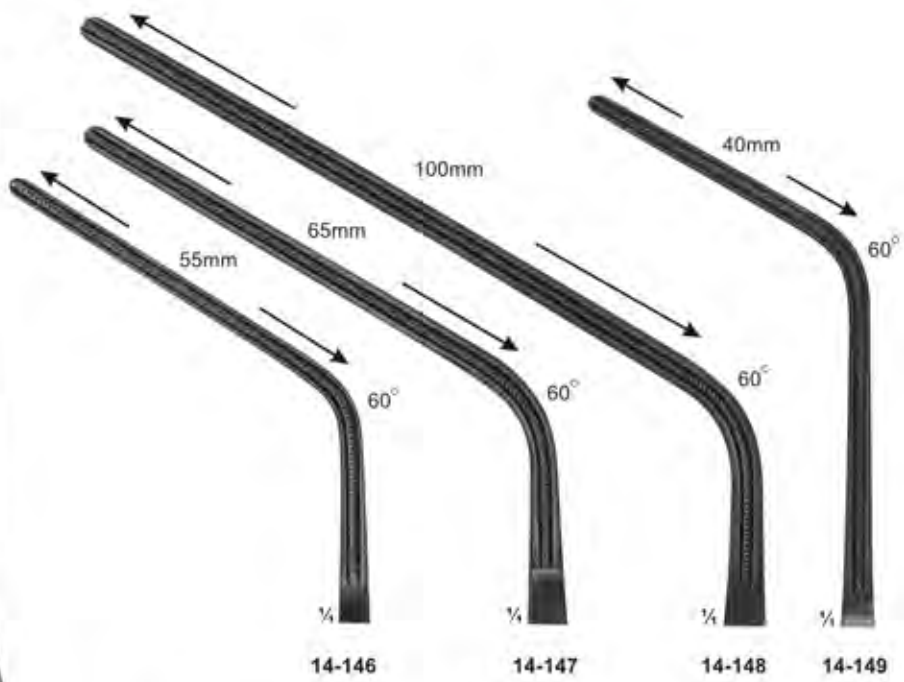
R  
14-145  
WEBER  
260 mm



# Multi- Purpose-Clamps



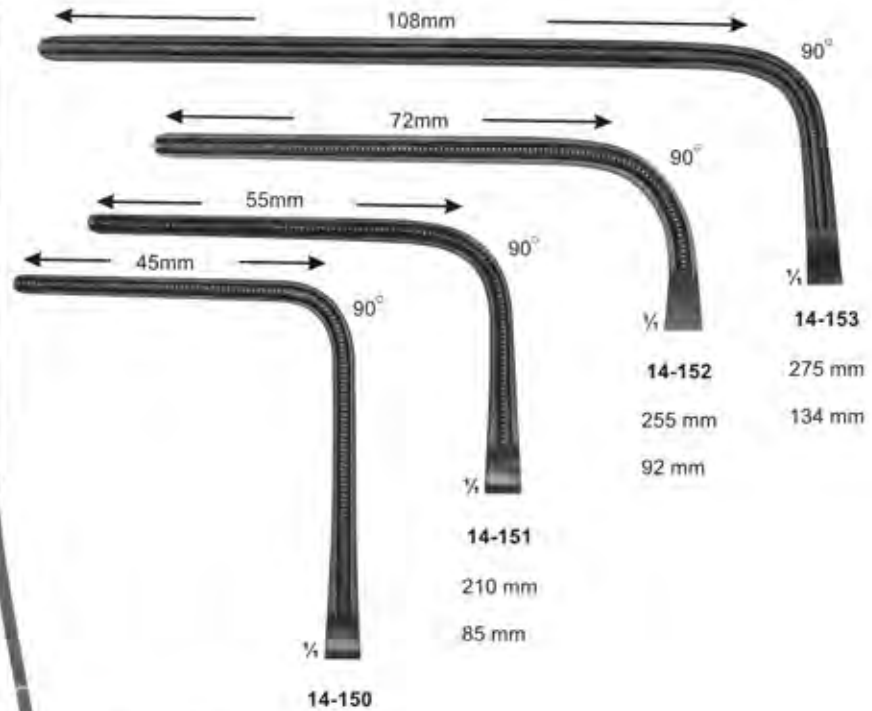
14-146 - 149  
DE BAKEY



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

## Sternum Instruments and Rib Shears



**14-154**  
SCHUMACHER  
Sternum shears  
210 mm



**14-155**  
LEBSCHKE  
Sternum chisel  
200 mm



**14-156**  
230 mm



**14-157**  
COLLIN  
195 mm



**14-158**  
GLUCK  
190 mm



**14-159**  
BETHUNE  
340 mm



**14-160**  
BRUNNER  
Universal pattern  
340 mm

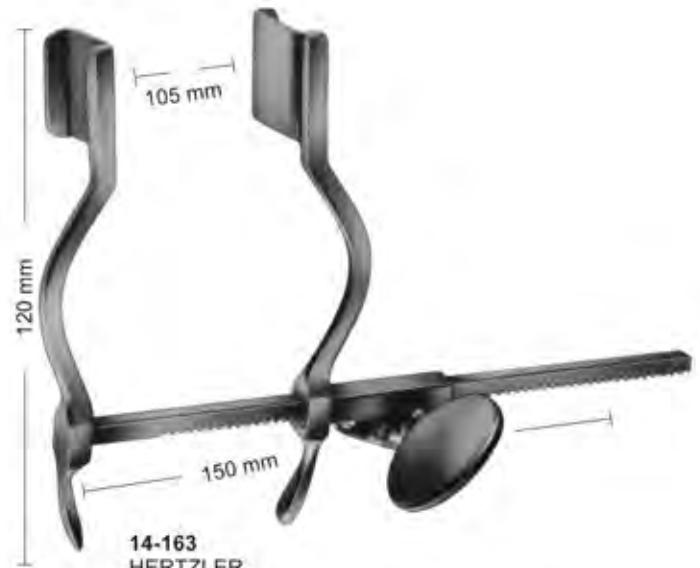


**14-161**  
GIERTZ-STILLE  
250 mm

## Rib Spreaders



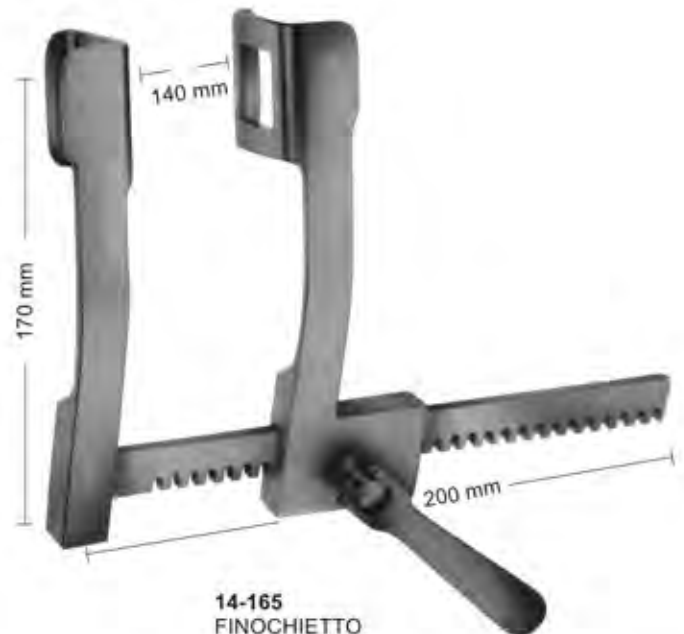
**14-162**  
FINOCHIETTO  
Blades  
18X21 mm



**14-163**  
HERTZLER  
Blades  
20X25 mm



**14-164**  
TUFFIER  
Blades  
43X53 mm



**14-165**  
FINOCHIETTO  
Blades  
36X45 mm



**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

**14-168 - 169**  
**BAILEY**  
200 mm

# Punches

**130°** upwards cutting

**15-101**  
1 mm



KERRISON - JACOBY

FERRIS-SMITH-KERRISON

**15-102**  
2 mm



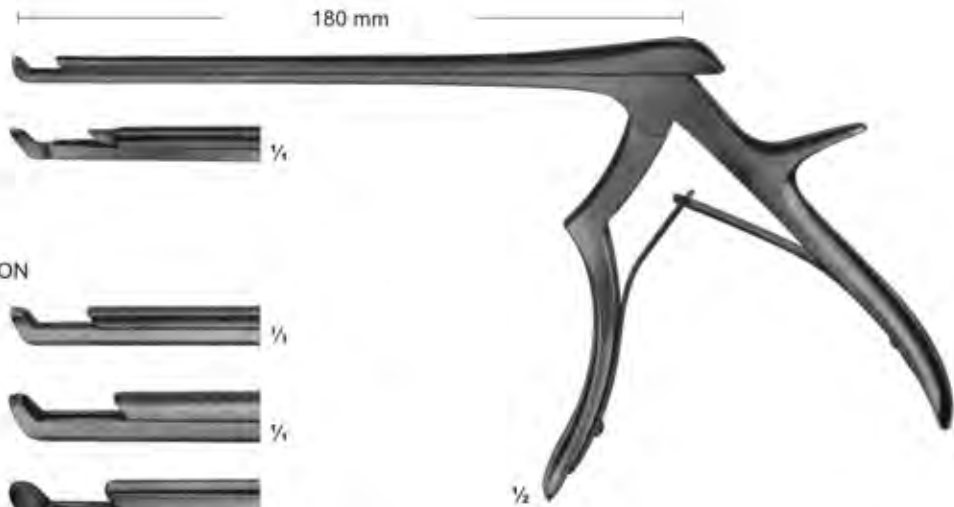
**15-103**  
3 mm



**15-104**  
4 mm



**15-105**  
5 mm



15-101 - 105

**90°** upwards cutting

KERRISON - JACOBY

**15-106**  
1 mm



**15-107**  
2 mm



FERRIS-SMITH-KERRISON

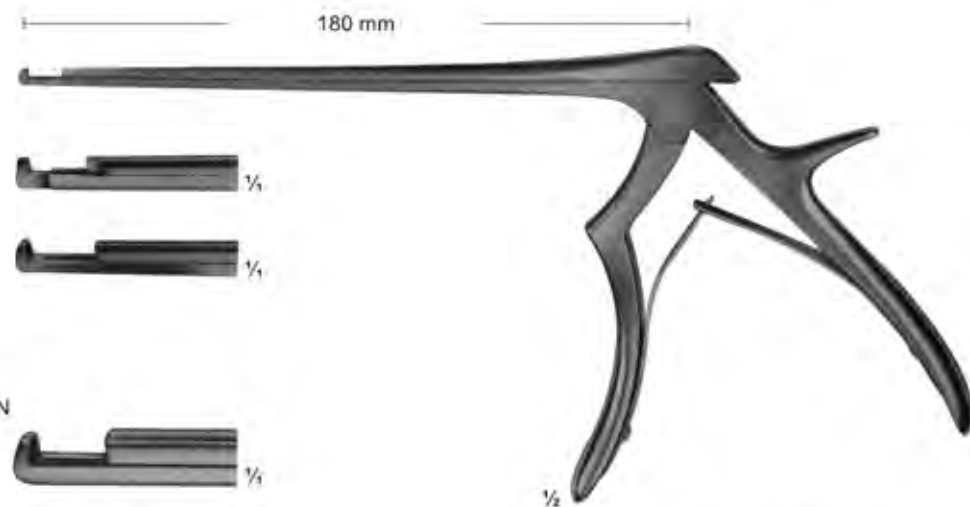
**15-108**  
3 mm



**15-109**  
4 mm



**15-110**  
5 mm



15-106 - 110

# Punches

90° upwards cutting



15-111  
4 mm

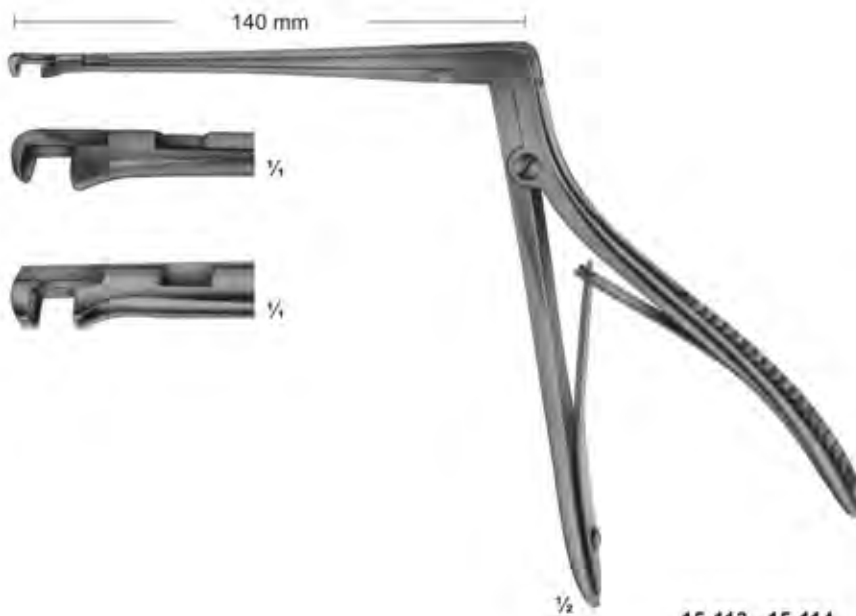


15-112  
5 mm



15-111 - 15-112  
KERRISON

90° upwards cutting



15-113  
3,3 mm



15-114  
4,0 mm



15-113 - 15-114  
HAJEK-KOFLER

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

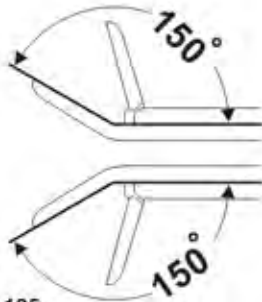
15-124  
4 mm



15-122 - 15-124  
CASPAR

# Rongeurs

Angled positions for rongeurs



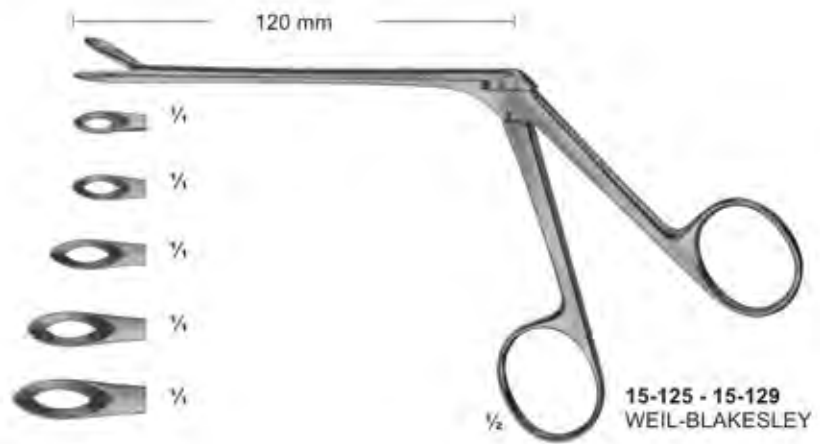
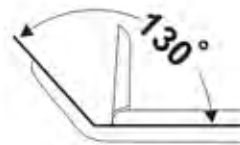
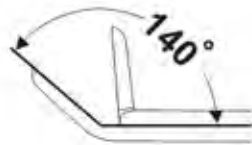
15-125  
3,0 mm

15-126  
3,6 mm

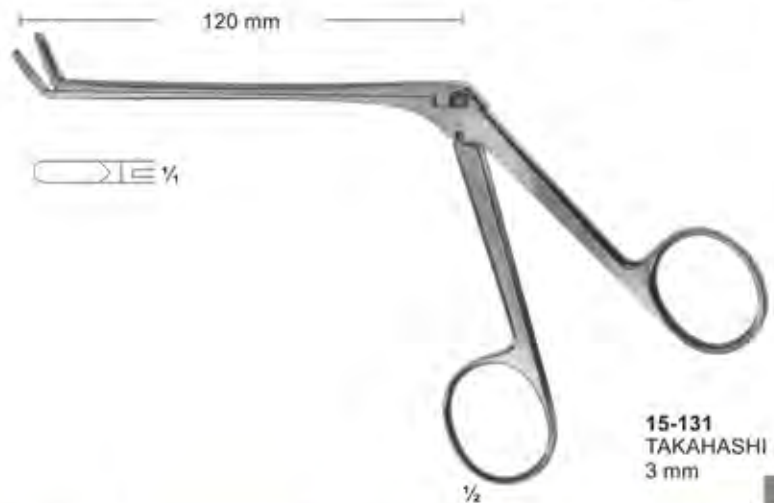
15-127  
4,2 mm

15-128  
4,8 mm

15-129  
5,8 mm



130°





# Rongeurs

**150°**

Lower part of jaws movable

**15-132**  
2 mm

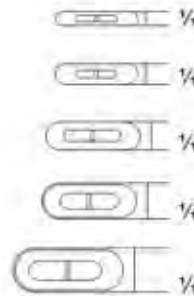
**15-133**  
3 mm

**15-134**  
4 mm



**15-132 - 15-134**  
CASPAR

Length of shaft 140 mm	Length of shaft 160 mm	Length of shaft 185 mm	size of jaws
<b>15-135</b>	<b>15-140</b>	<b>15-145</b>	2 X 12 mm
<b>15-136</b>	<b>15-141</b>	<b>15-146</b>	3 X 12 mm
<b>15-137</b>	<b>15-142</b>	<b>15-147</b>	4 X 14 mm
<b>15-138</b>	<b>15-143</b>	<b>15-148</b>	5 X 14 mm
<b>15-139</b>	<b>15-144</b>	<b>15-149</b>	6 X 16 mm



**15-135 - 15-149**  
CASPAR

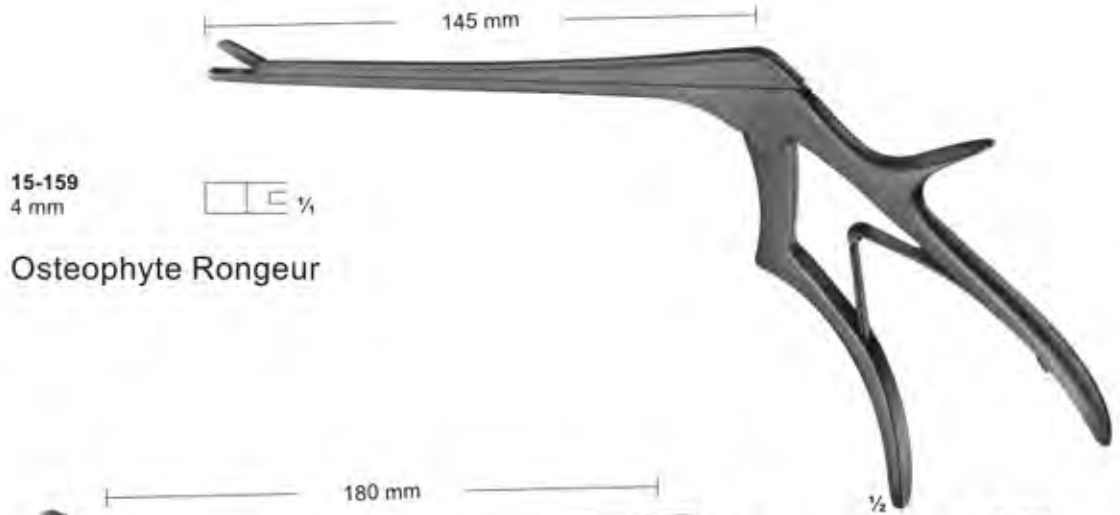
**150°**

Length of shaft 140 mm	Length of shaft 160 mm	Length of shaft 185 mm	size of jaws
<b>15-150</b>	<b>15-153</b>	<b>15-156</b>	3 X 12 mm
<b>15-151</b>	<b>15-154</b>	<b>15-157</b>	4 X 14 mm
<b>15-152</b>	<b>15-155</b>	<b>15-158</b>	5 X 14 mm

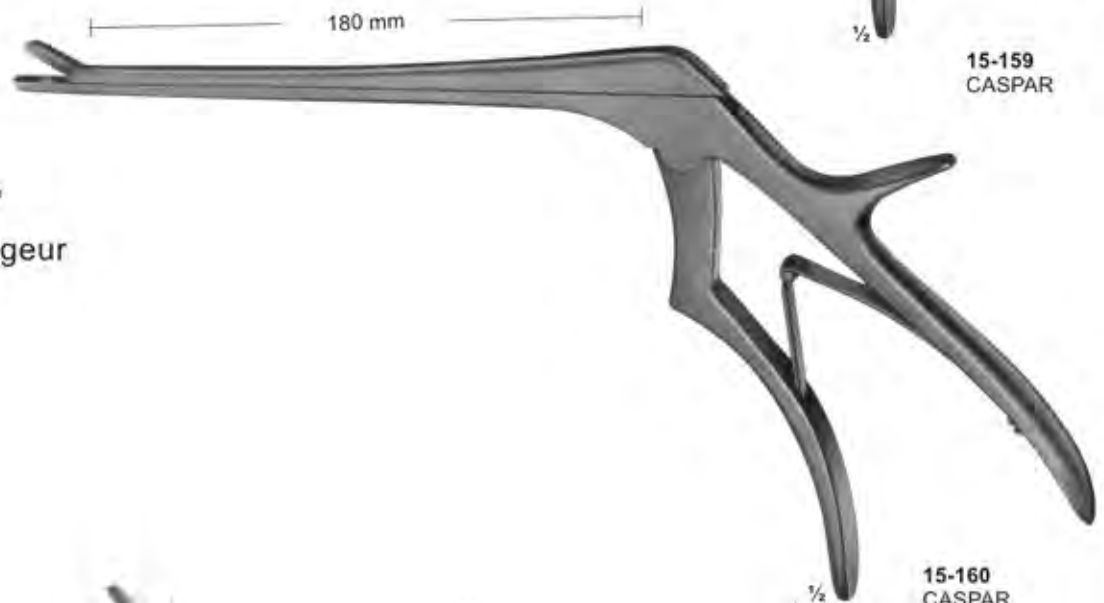


**15-150 - 15-158**  
CASPAR

**Rongeurs**

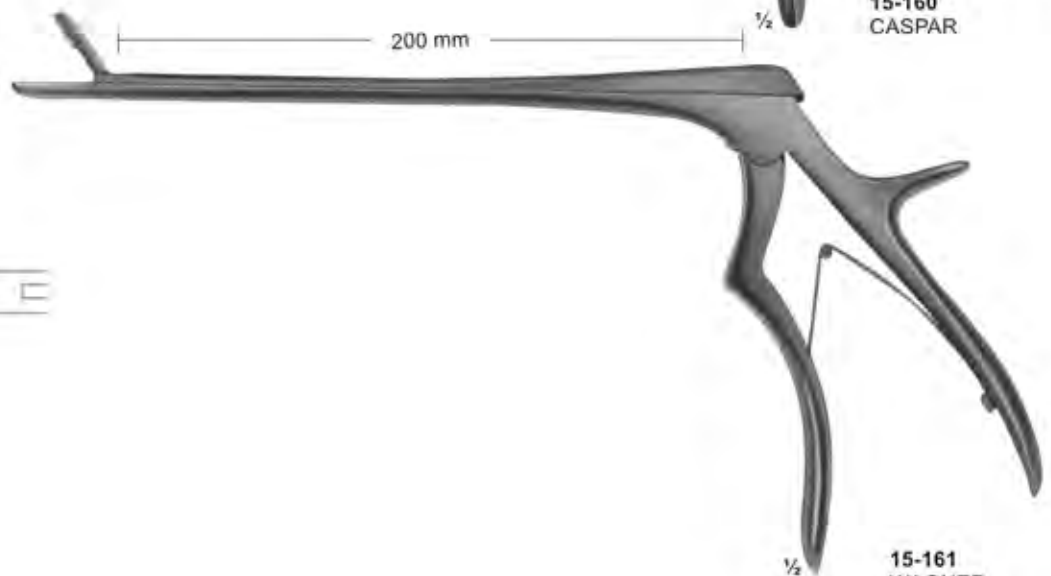


15-159  
4 mm  
Osteophyte Rongeur



15-160  
4 mm  
Osteophyte Rongeur

15-159  
CASPAR

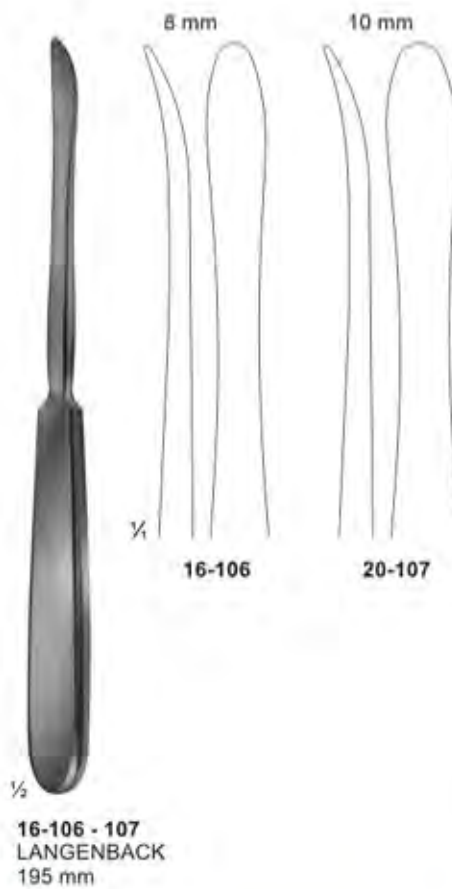
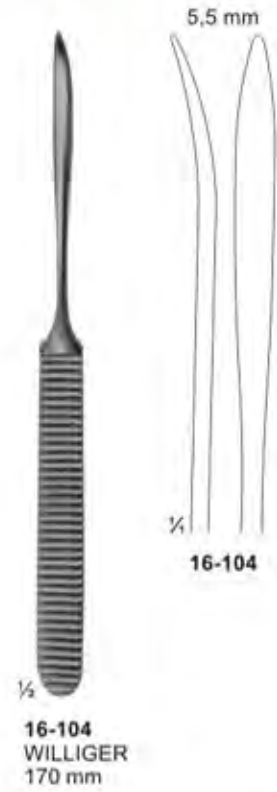
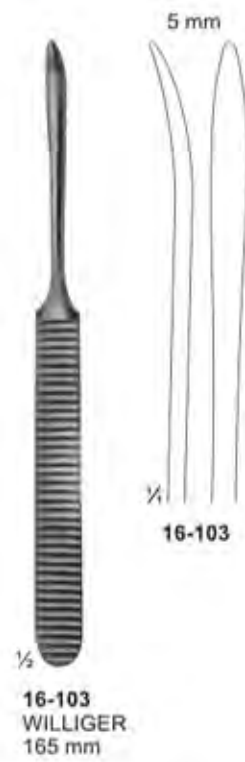
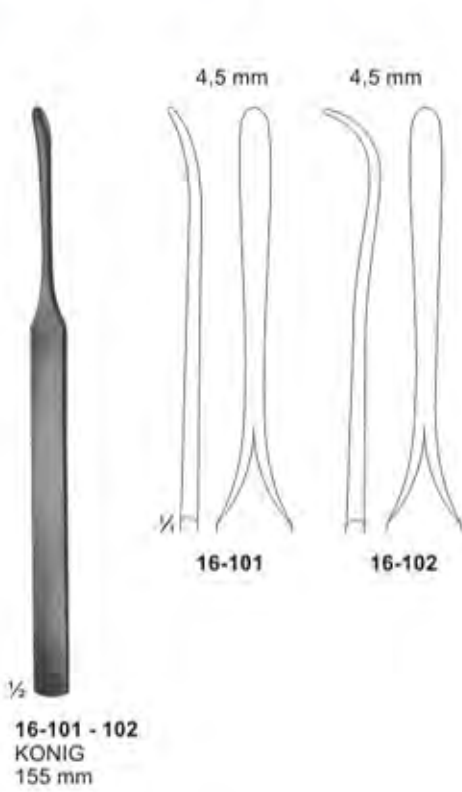


15-161  
5.5 mm  
Very Heavy Pattern

15-160  
CASPAR

15-161  
WAGNER

## Elevators and Bone Levers



**Bone Levers**



1/2  
**16-109**  
LANE TRETHOWAN  
215mm

1/2  
**16-110**  
LANE  
255mm

1/2  
**16-111**  
LANGE-HOHMANN  
250mm

1/2  
**16-112 - 113**  
LANGE-HOHMANN modif.  
**16-112** 265mm  
**16-113** 280mm

# Raspatories



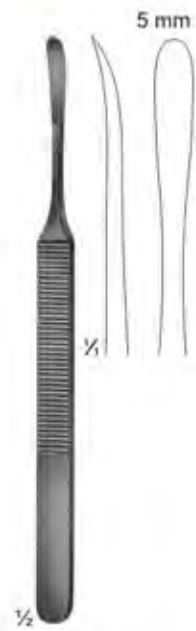
**16-114**  
PARTSCH  
150 mm



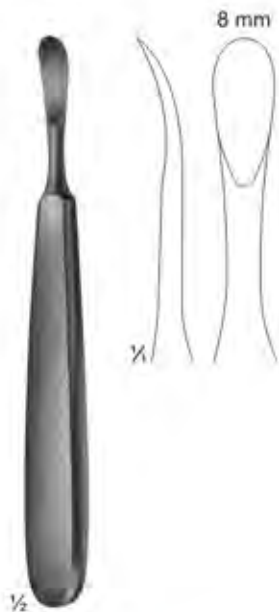
**16-116**  
PARTSCH mod. LANGE  
145 mm



**16-117**  
MC KENTY  
155 mm



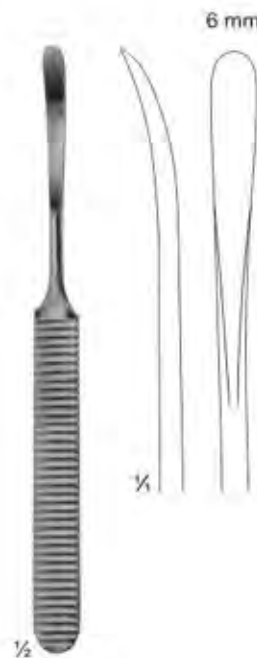
**16-118**  
KOENIG  
155 mm



**16-119**  
TRELAT  
150 mm



**16-120**  
WILLIGER  
140 mm

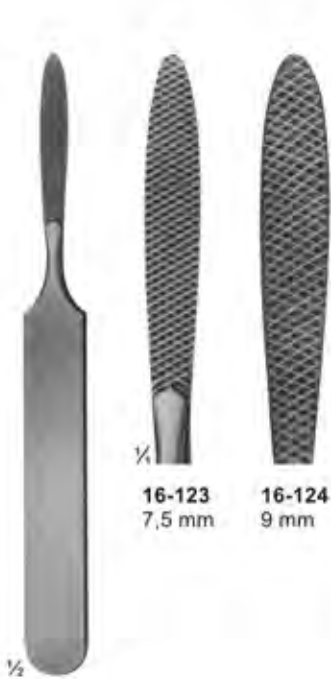


**16-121**  
WILLIGER  
160 mm



**16-122**  
JOSEPH  
170 mm

# Bone File and Rasps

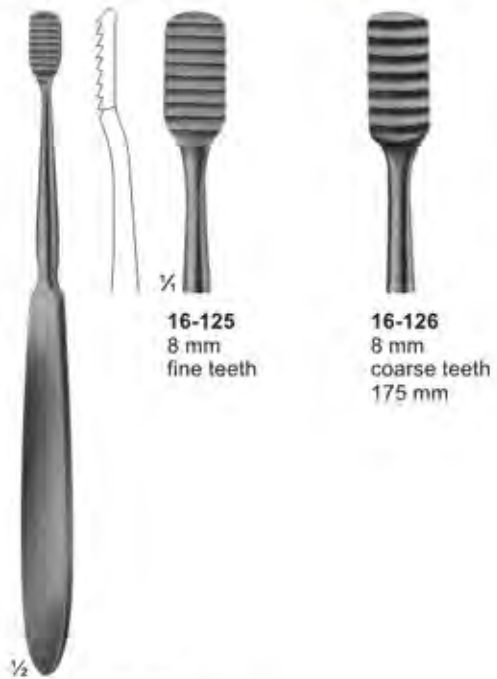


16-123  
7,5 mm

16-124  
9 mm

16-123  
JOSEPH  
fine, chequered

16-124  
coarse, chequered  
165 mm



16-125  
8 mm  
fine teeth

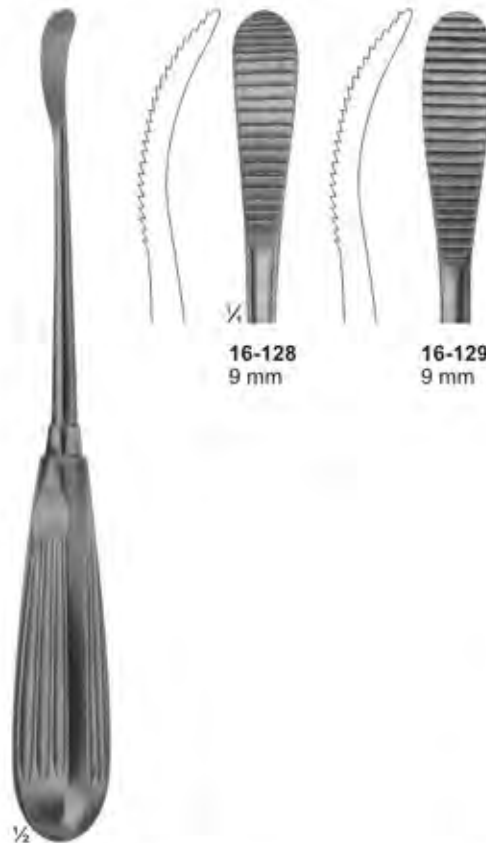
16-126  
8 mm  
coarse teeth  
175 mm

16-125 - 16-126  
LEWIS



16-127  
9 mm

16-127  
MALTZ  
down stroke  
180 mm



16-128  
9 mm

16-129  
9 mm

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



16-130  
GALLAHER  
190 mm

# Bone Currettes



**16-131**  
JACOBSON  
140 mm



**16-132**  
MARTINI  
140 mm



**16-133**  
MARTINI  
140 mm



**16-134**  
WILLIGER  
145 mm



**16-135**  
JANSEN  
160 mm



**16-136**  
BARTH  
180 mm



**16-137**  
VOLKMANN  
130 mm



**16-138**  
VOLKMANN  
145 mm



**16-139**  
VOLKMANN  
170 mm

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



∅ 20 mm

½

**17-101**  
MEAD  
185 g  
with interchangeable  
plastic disks  
190 mm  
**17-102**  
pair of spare disks



∅ 25 mm

½

**17-103**  
140 g  
with interchangeable  
plastic disks  
185 mm  
**17-104**  
pair of spare disks



∅ 30 mm

½

**17-105**  
COTTLE  
140 g  
1 Side Flat  
1 Side convex  
185 mm



∅ 22 mm

½

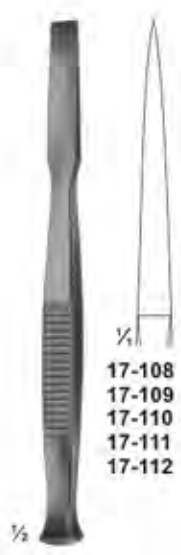
**17-106**  
165 g  
lead filled head  
190 mm



# Osteotomes, Chisels and Gouges



17-107  
MANNERFELT  
Gouge  
155 mm



17-108 - 112  
Osteotomes  
140 mm



17-113 - 117  
Chisels  
140 mm



17-118 - 122  
Gouges  
140 mm



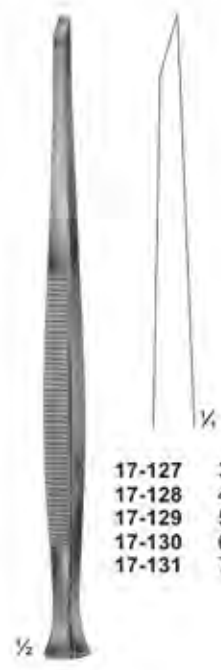
17-123 - 126  
Chisels  
140 mm

- 17-108 4 mm
- 17-109 6 mm
- 17-110 8 mm
- 17-111 10 mm
- 17-112 12 mm

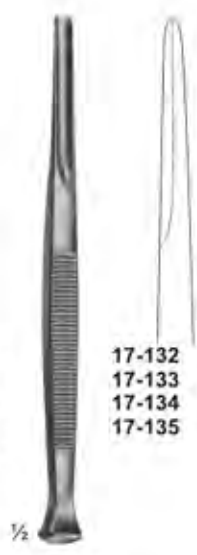
- 17-113 4 mm
- 17-114 6 mm
- 17-115 8 mm
- 17-116 10 mm
- 17-117 12 mm

- 17-118 4 mm
- 17-119 6 mm
- 17-120 8 mm
- 17-121 10 mm
- 17-122 12 mm

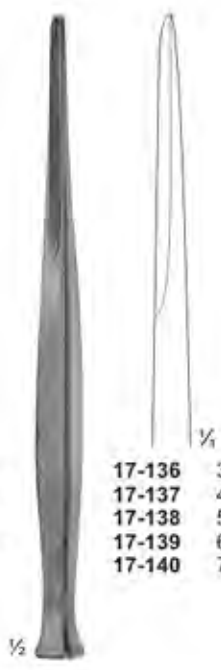
- 17-123 3 mm
- 17-124 4 mm
- 17-125 5 mm
- 17-126 6 mm



17-127 - 131  
Chisels  
170 mm



17-132 - 135  
Gouges  
140 mm



17-136 - 140  
Gouges  
170 mm



17-141 - 142  
Chisels  
160 mm



17-143 - 144  
Gouges  
160 mm

- 17-127 3 mm
- 17-128 4 mm
- 17-129 5 mm
- 17-130 6 mm
- 17-131 7 mm

- 17-132 3 mm
- 17-133 4 mm
- 17-134 5 mm
- 17-135 6 mm

- 17-136 3 mm
- 17-137 4 mm
- 17-138 5 mm
- 17-139 6 mm
- 17-140 7 mm

- 17-141 4 mm
- 17-142 6 mm

- 17-143 3 mm
- 17-144 5 mm

# Reposition Forceps, Bone Holding Forceps



**17-145**  
Patella forceps  
185 mm



**17-146**  
Forceps with  
ratchet fixation  
140 mm



**17-147**  
Forceps with  
thread fixation  
170 mm



**17-148**  
Forceps with  
thread fixation  
235 mm



**17-149**  
DINGMANN  
185 mm

## Bone Holding Forceps & Bone Clamps



# Bone Rongeurs



**17-158**  
LUER  
150 mm



**17-159**  
LUER  
155 mm



**17-160**  
BLUMENTHAL  
155 mm



**17-161**  
BLUMENTHAL  
150 mm



**17-162 - 163**  
JANSEN  
175 mm



**17-164**  
BANE-HARTMANN  
175 mm

# Bone Rongeurs



17-165  
STILLE  
235 mm



17-166  
LEKSELL-STILLE  
240mm



17-167  
STILLE-RUSKIN  
240mm

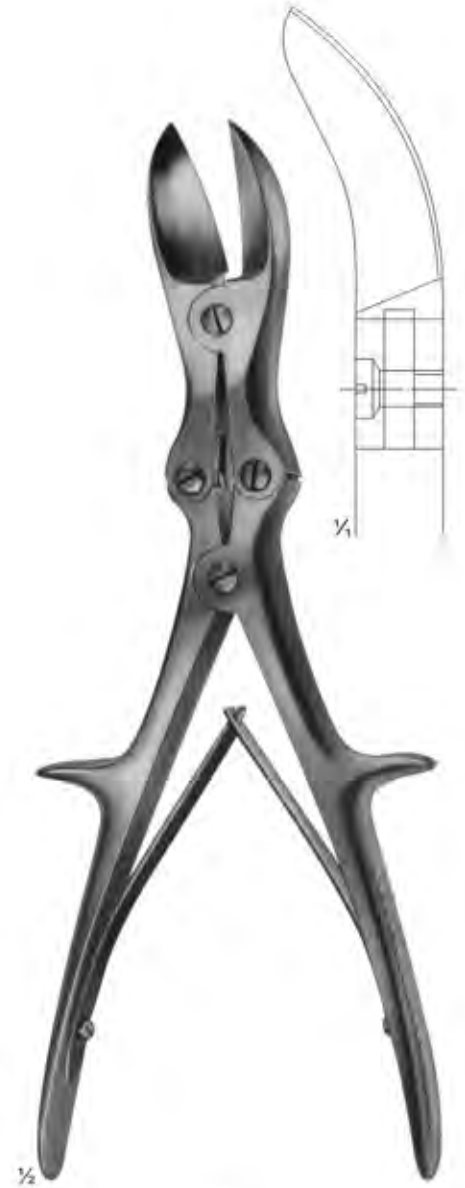
# Bone Cutting Forceps



**17-168**  
LISTON  
curved on flat  
240 mm

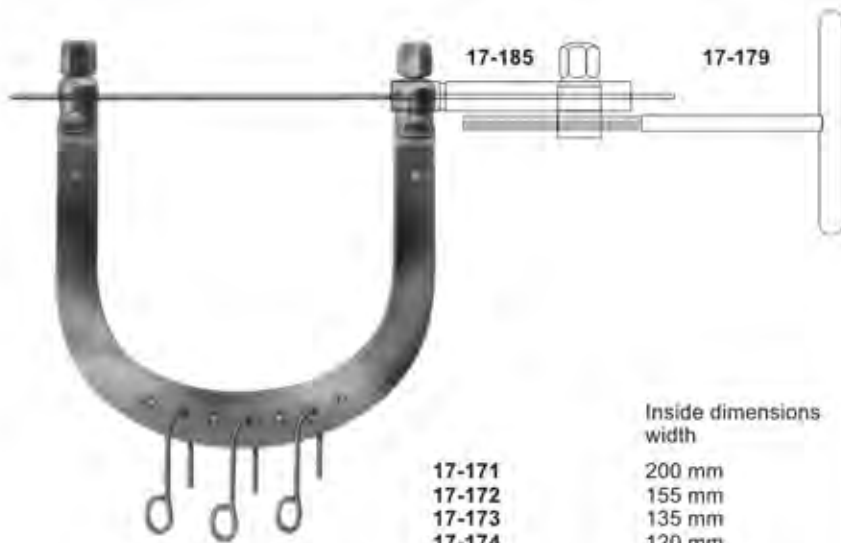


**17-169**  
LISTON  
straight  
280 mm



**17-170**  
LISTON  
curved on flat  
280 mm

## 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 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

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



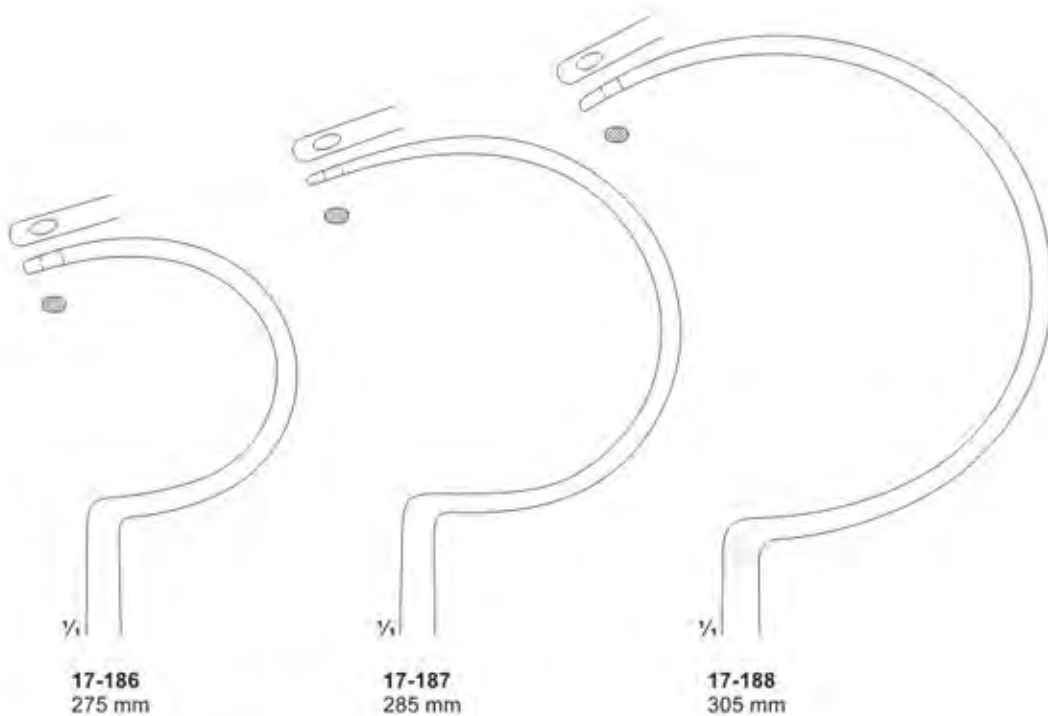
**17-180**  
Traction hook only,  
large size



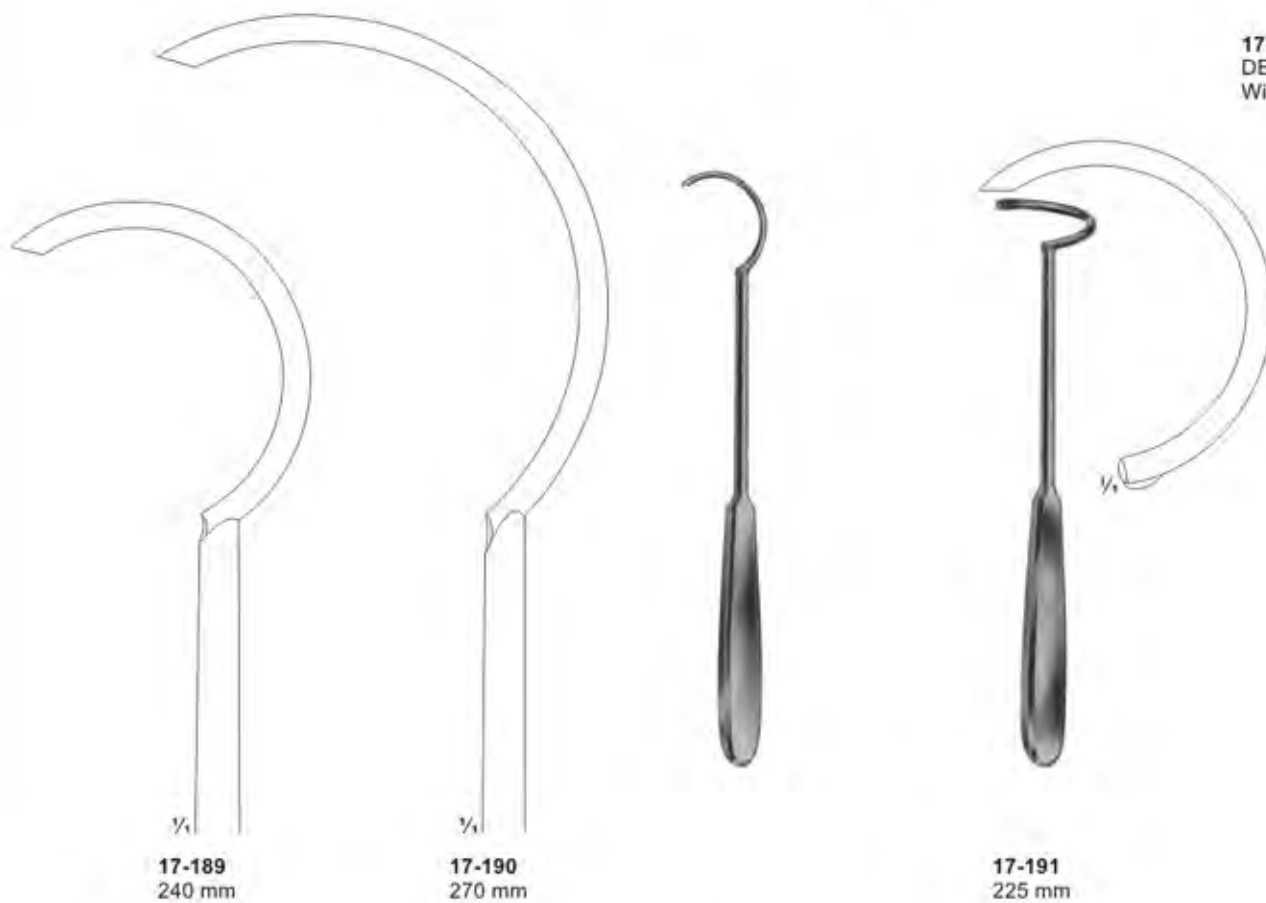
**17-181**  
Traction hook only,  
small size



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



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

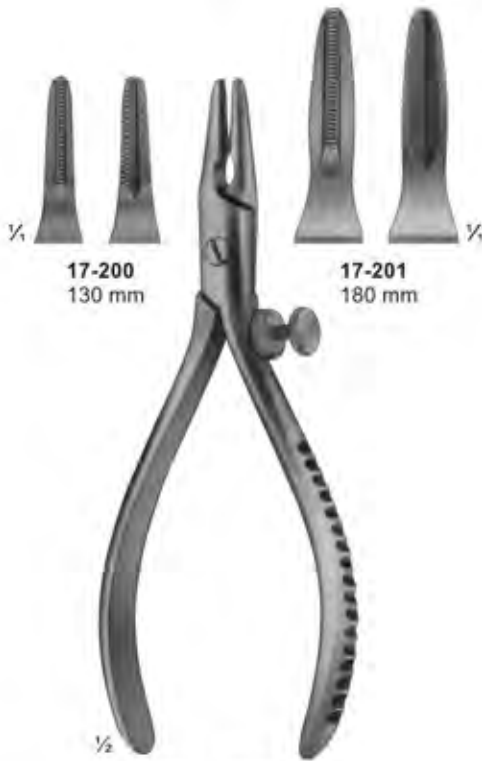


**17-197**  
with serrated jaws  
**17-198**  
with longitudinal and transversal grooves  
170 mm



**17-199**  
190 mm

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



**17-200**  
130 mm

**17-201**  
180 mm

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



**17-202**  
Flat-nosed pliers,  
parallel  
185 mm



**17-203**  
Vise grip  
200 mm



**17-204**  
Round Pliers  
180mm

**17-204 - 17-207**

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



**17-208**  
Bending pliers  
for wires up to  
1.8 mm diam.

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



**17-209**  
ANGLE  
130 mm

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

0,5 mm  
0,3 mm



**17-210**  
DUROTIP  
ANGLE  
130 mm

0,6 mm  
0,4 mm



**17-211**  
120 mm

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

1,2 mm  
0,8 mm

**17-212**  
DUROTIP  
120 mm

1,2 mm  
0,8 mm



**17-213**  
HARVEY  
125 mm

0,4 mm  
0,3 mm



**17-214**  
150 mm

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

1,5 mm  
1,0 mm



**17-215**  
160 mm

1,5 mm  
1,2 mm



**17-216**  
140 mm  
DUROTIP  
1,5 mm

1,0 mm



# Wire Cutting Pliers, Lateral Cutting Action



**17-217**  
180 mm

for soft wire  
up to diam. 2,0 mm  
For hard wire 1,5 mm  
up to diam  
specially hardened  
cutting edges, front  
and lateral cutting  
action



**17-218**  
REILL  
175 mm

for soft wire  
up to diam. 2,0 mm  
For hard wire 1,6 mm  
up to diam  
specially hardened  
cutting edges, for  
cutting off wires close  
to the bone



**DUROTIP**

**17-219**  
235 mm

for soft wire  
up to diam. 3,0 mm  
For hard wire 2,2 mm  
up to diam

## Wire Cutting Pliers, Lateral and Front Cutting Action



**17-220**  
240 mm

for soft wire up to diam. 2,0 mm  
For hard wire up to diam. 1,6 mm



**17-221**  
145 mm

for soft wire up to diam. 1,5 mm  
For hard wire up to diam. 1,0 mm



**17-222**  
145 mm

for soft wire up to diam. 2,0 mm  
For hard wire up to diam. 1,5 mm



**17-223**  
220 mm

for soft wire up to diam. 3,5 mm  
For hard wire up to diam. 2,5 mm

## 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



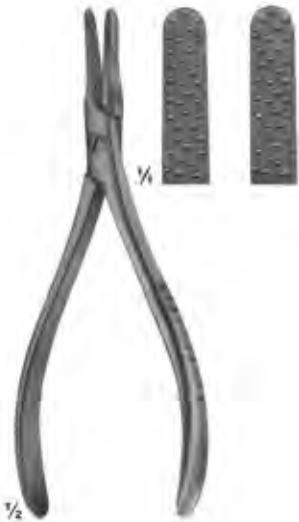
Cutter for cutting off  
KIRSCHNER wires,  
Tibia head screws,  
bolts, pins, up to 3 mm diam.



**DUROTIP**

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

## Finger Nail Instruments



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

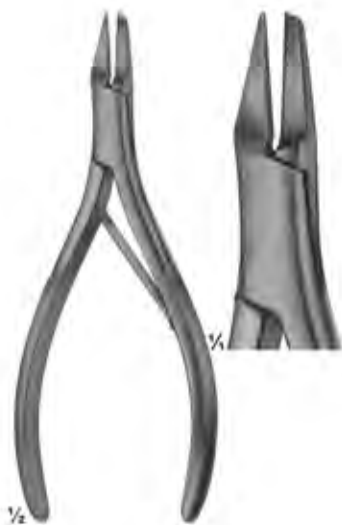


**17-227**  
Nail extracting  
forceps  
145 mm



**17-228**  
Finger nail drill  
with 3 drill points

Drill points only



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



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



**17-233**  
Finger ring saw  
150 mm

Spare blade  
17-234

# Plaster Shears



17-235  
STILLE-AESCULAP  
260 mm



17-236  
STILLE-AESCULAP  
360 mm



**Plaster Spreader, Plaster Breakers**



17-237  
HENING  
270 mm



17-238  
MOD.USA  
230 mm



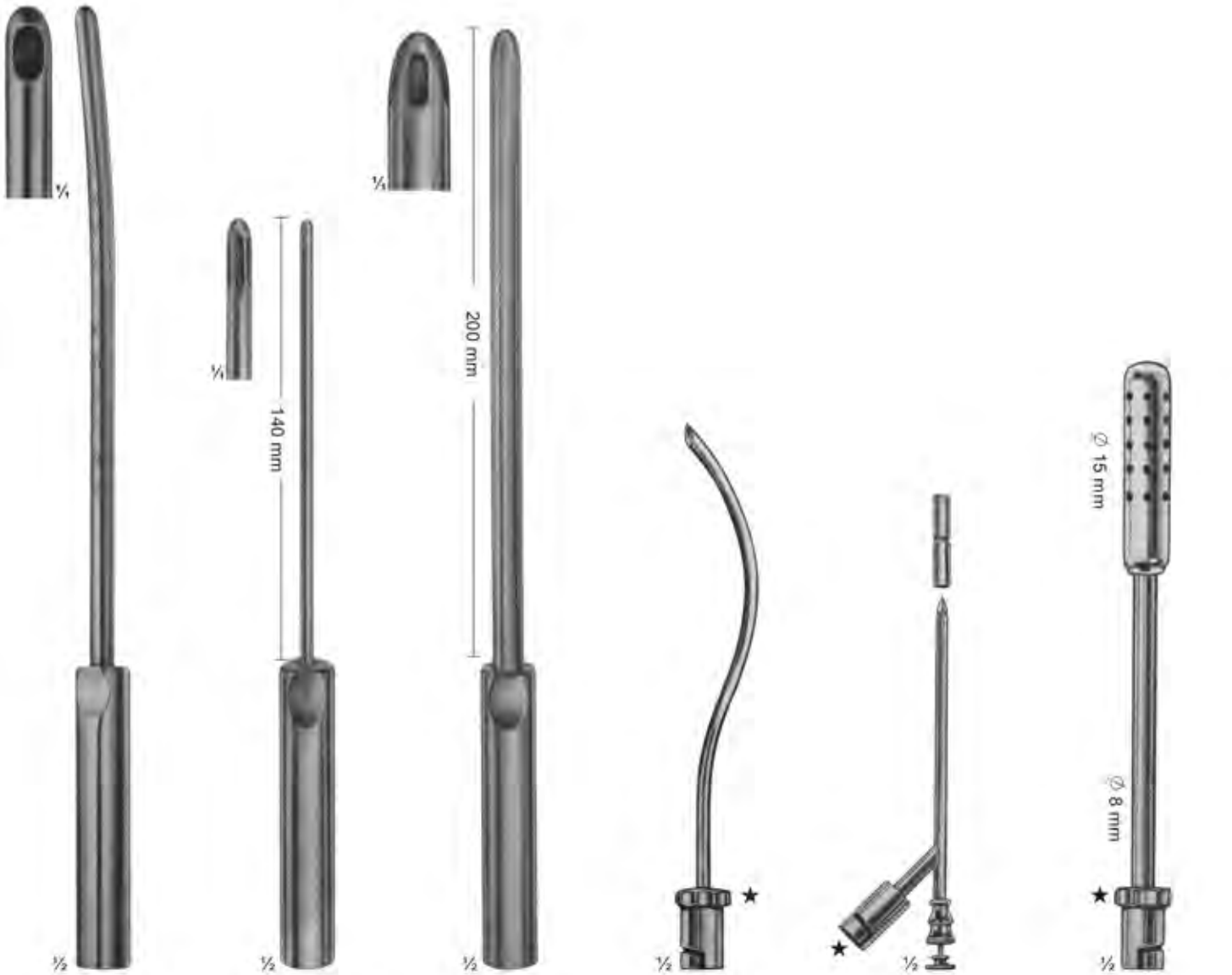
17-239  
290 mm

with removable jaws



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  $\varnothing$  4 mm  
18-102  $\varnothing$  6 mm  
18-103  $\varnothing$  8 mm  
18-104  $\varnothing$  10 mm  
18-105  $\varnothing$  12 mm  
18-106  $\varnothing$  14 mm  
Curettes for aspiration lipectomy, graduated, slightly curved

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

**18-109 - 18-111**  
BIEMER  
18-109  $\varnothing$  8 mm  
18-110  $\varnothing$  10 mm  
18-111  $\varnothing$  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

## Suction Instruments

**18-115 150mm**  
Suction handle, with vacuum regulator and finger cut-off, brass, mirror-finish chromium-plated



olive  
∅ 9 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. ∅ 9 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)

# Suction Instruments

**18-122**  
WULLSTEIN  
Suction tube, conical, silver, olive  
with LUER hub  
160 mm

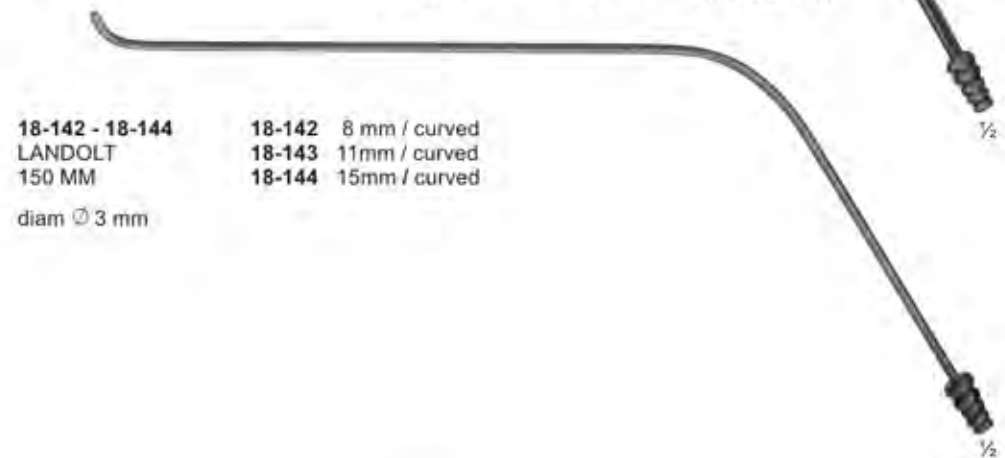


**18-123** 1.5 mm  
**18-124** 2.0 mm  
WULLSTEIN  
Suction tube, cylindrical, silver, with  
stylet olive with LUER hub  
160 mm



Usable length

YASARGIL usable length diam.		YASARGIL usable length diam.	
<b>18-125</b>	130 mm 1,5 mm	<b>18-133</b>	130 mm 2,5 mm
<b>18-126</b>	150 mm 1,5 mm	<b>18-134</b>	150 mm 2,5 mm
<b>18-127</b>	180 mm 1,5 mm	<b>18-135</b>	180 mm 2,5 mm
<b>18-128</b>	220 mm 1,5 mm	<b>18-136</b>	220 mm 2,5 mm
<b>18-129</b>	130 mm 2,0 mm	<b>18-137</b>	130 mm 3,5 mm
<b>18-130</b>	150 mm 2,0 mm	<b>18-138</b>	150 mm 3,5 mm
<b>18-131</b>	180 mm 2,0 mm	<b>18-139</b>	180 mm 3,5 mm
<b>18-132</b>	220 mm 2,0 mm	<b>18-140</b>	220 mm 3,5 mm
		<b>18-141</b>	180 mm 4,5 mm



**18-142 - 18-144**  
LANDOLT  
150 MM  
diam  $\varnothing$  3 mm

**18-142** 8 mm / curved  
**18-143** 11mm / curved  
**18-144** 15mm / curved



**18-145** 500 mm  
**18-146** 350 mm  
with rubber tip,  
with LUER hub

**18-147** 2,0 mm diam  
**18-148** 2,5 mm diam  
**18-149** 3,0 mm diam  
with finger cut-off,  
thumb piece 90° to  
curve, with LUER hub  
250 mm



**Combined Suction and Irrigation Cannulae,  
Coagulation Suction Cannulae**



**18-150**  
FINSTERER  
320 mm

olive  $\varnothing$  9-13 mm 1/2

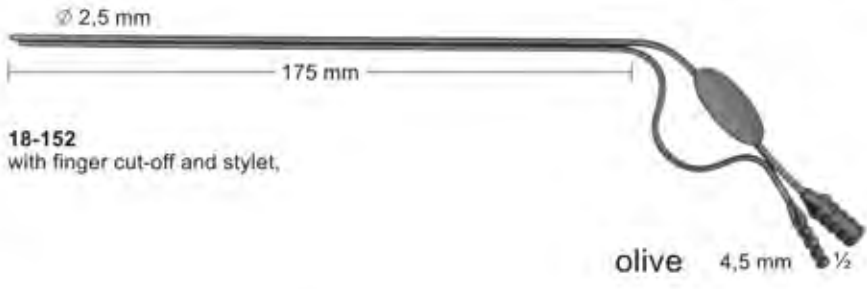
$\varnothing$  15 mm



$\varnothing$  2 mm

$\varnothing$  4,5 mm

**18-151**  
YASARGIL  
LUER-LOCK cone  
200 mm



$\varnothing$  2,5 mm

175 mm

**18-152**  
with finger cut-off and stylet,

olive 4,5 mm 1/2



90 mm

**18-153 - 18-155**  
HOUSE

	suction tube diam.	irrigation tube Diam.
<b>18-153</b>	0,9 mm	0,7 mm
<b>18-154</b>	1,2 mm	0,9 mm
<b>18-155</b>	1,5 mm	1,2 mm

with finger cut-off and stylet,  
with LUER hub

$\varnothing$  4 mm  
olive

olive  
 $\varnothing$  9-6 mm 1/2



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

250 mm

olive  $\varnothing$  9 mm 1/2

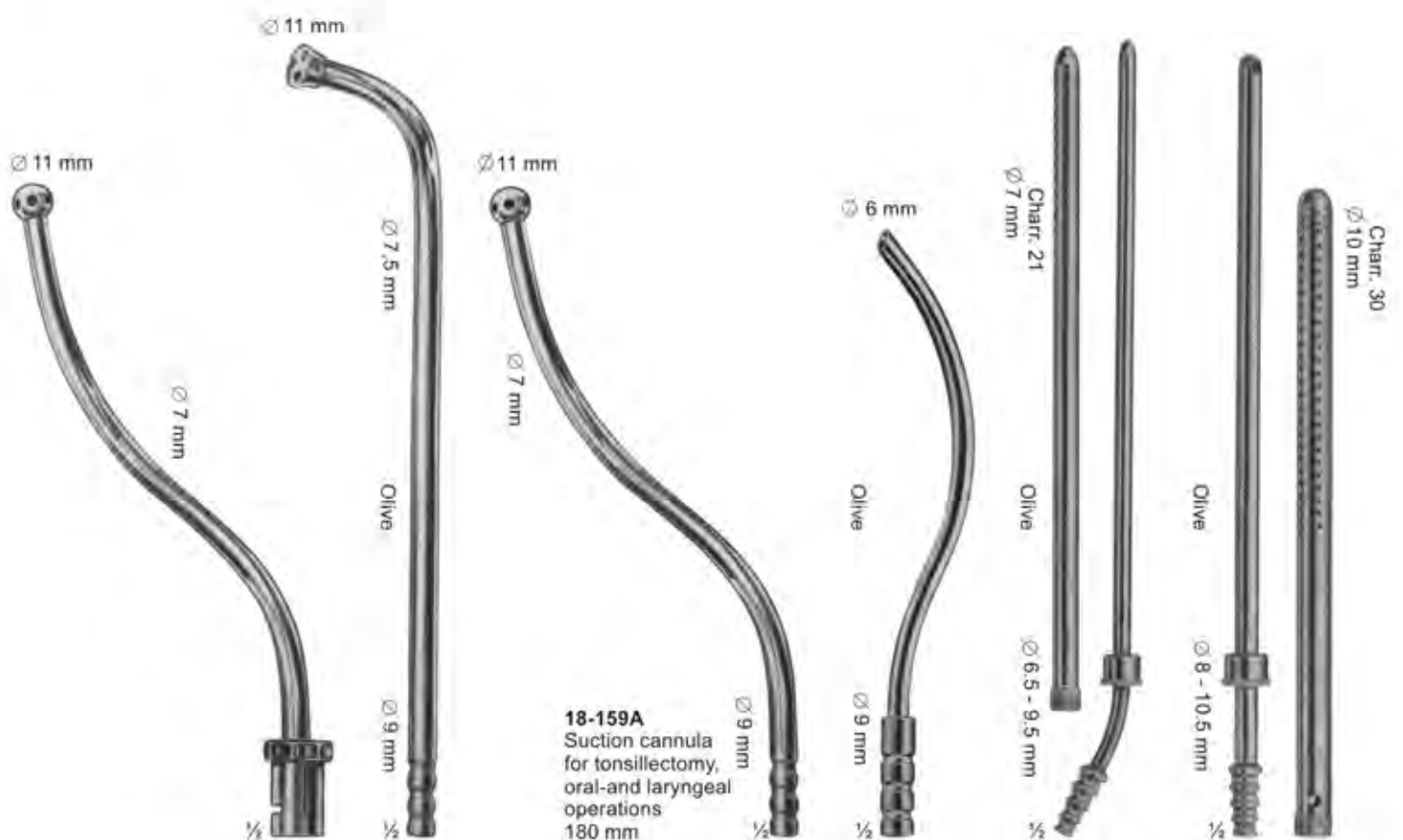


**18-157**  $\varnothing$  5,0 mm  
LANDOLT  
with finger cut-off and  
stylet, can be sterilized  
in an autoclave up to 3 bar (143 °C)

Connection for  
suction hose

$\varnothing$  7,5-12 mm  
olive

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



**18-159A**  
Suction cannula  
for tonsillectomy,  
oral-and laryngeal  
operations  
180 mm

**18-158**  
For tonsillectomy,  
oral-and laryngeal  
operations  
180 mm

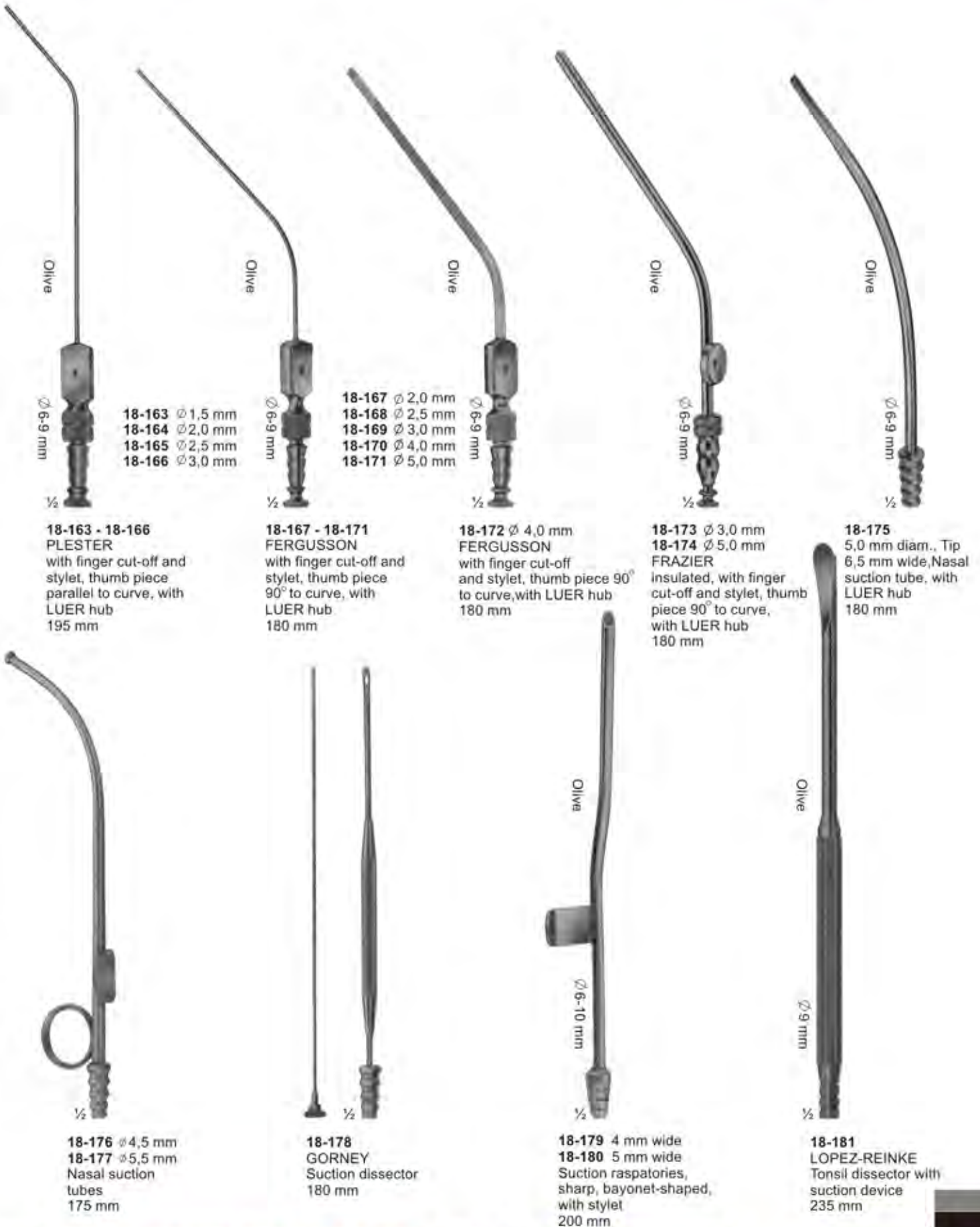
**18-159**  
Suction cannula  
for tonsillectomy,  
oral-and laryngeal  
operations  
220 mm

**18-160**  
S-shaped blunt cannula  
for aspirating fluid from  
the excretory ducts of  
large glands and for  
keeping the operating  
area clear  
170 mm

**18-161**  
POOL  
Suction cannula,  
with outer tube  
to be screwed off  
225 mm

**18-162**  
POOL  
Suction cannula,  
with outer tube  
to be screwed off  
225 mm

# Suction Instruments



## Dissection Instruments



### 18-182

- 1- Blow pipe .
- 2- 3 PCS .scalpel.
- 3- Dissecting forcep 13 cm.
- 4- Grooved director with tounge 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 cm 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



## 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 Hearg 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 Hearg 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 Hearg 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- Humber 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.



**19-101 - 115**  
Schimmelbusch

	∅ x H sizes in mm
<b>19-101</b>	80 x 80
<b>19-102</b>	105 x 120
<b>19-103</b>	140 x 140
<b>19-104</b>	160 x 120
<b>19-105</b>	160 x 150
<b>19-106</b>	190 x 150
<b>19-107</b>	190 x 190
<b>19-108</b>	240 x 160
<b>19-109</b>	240 x 240
<b>19-110</b>	290 x 160
<b>19-111</b>	290 x 240
<b>19-112</b>	340 x 160
<b>19-113</b>	340 x 340
<b>19-114</b>	390 x 190
<b>19-115</b>	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**  
∅ 65mm x 15mm



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 consisting of:  
1 Sterilizing Forceps, curved, 25 cm, without ratchet, with lid for jar  
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

## Round Metal Boxes and Medicine Cups



19-143 - 148

∅ 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  
∅ 75 x 12 mm  
Tablet Tray



19-153  
∅ 90 x 90 mm  
Metal Cup



19-154  
∅ 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



**19-158 - 165**



**19-166 - 170**

	Ø x H	
<b>19-158</b>	40 x 19 mm	0.05L
<b>19-159</b>	61 x 30 mm	0.07L
<b>19-160</b>	80 x 40 mm	0.14L
<b>19-161</b>	116 x 50 mm	0.35L
<b>19-162</b>	128 x 55 mm	0.45L
<b>19-163</b>	147 x 65 mm	0.70L
<b>19-164</b>	167 x 75 mm	1.10L
<b>19-165</b>	187 x 85 mm	1.60L

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



**19-171**  
Ø 110 x 28 mm 0.15L



**19-172**  
100 cc 0.1L



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



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



**19-178**  
Ø 220 x 70 mm



19-179  
∅ 50 x 100 mm  
Powder Pot



19-180  
∅ 50 x 75 mm  
Methot With Lid



19-181  
∅ 50 x 75 mm  
Methot Without Lid



19-182



19-183



19-184



19-185 - 186

19-185 ∅ 235 mm  
19-186 ∅ 310 mm

## 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





19-199 - 209

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

# 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

## Scissors with Tungsten Carbide Inserts



**26-101**  
Standard

14,5cm  
16,5cm  
18,5cm



**26-102**  
Standard

14,5cm  
16,5cm  
18,5cm



**26-103**  
Standard

14,5cm  
16,5cm  
18,5cm



**26-104**  
Standard

14,5cm  
16,5cm  
18,5cm



**26-105**  
Standard

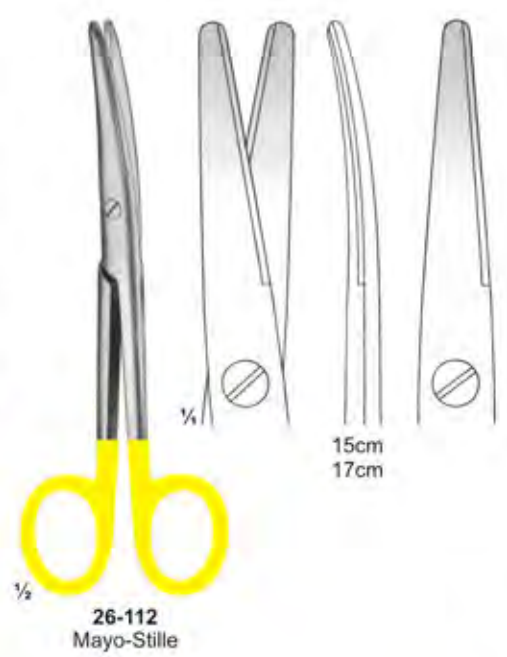
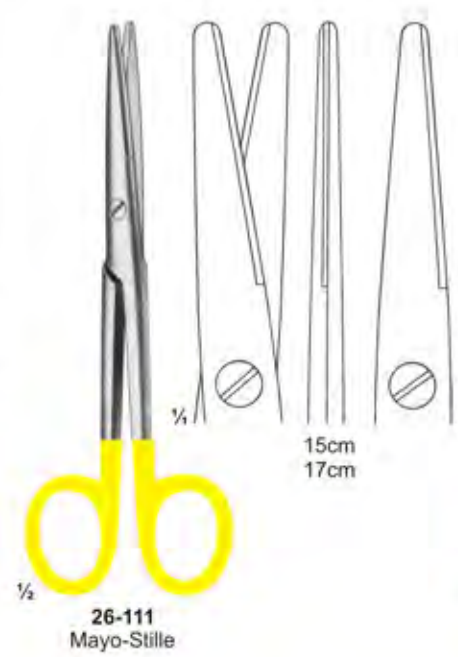
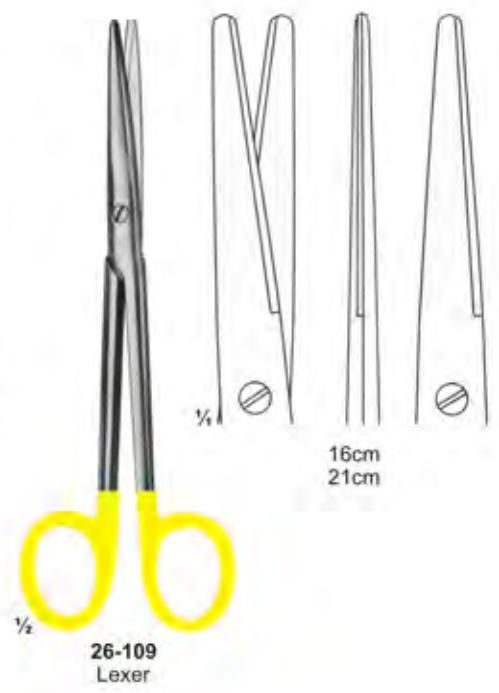
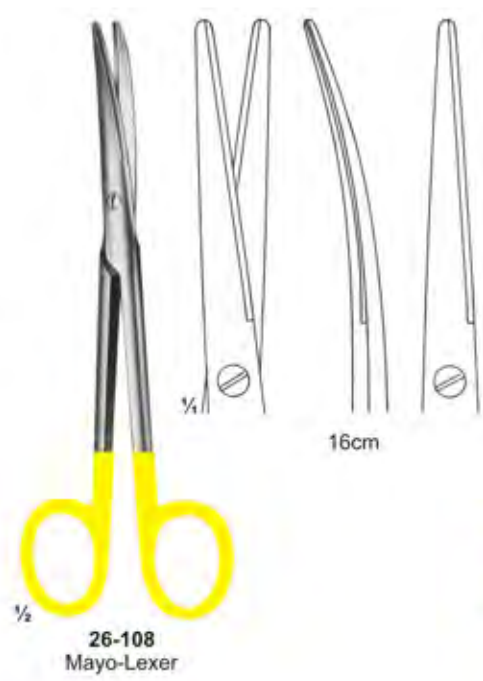
14,5cm  
16,5cm  
18,5cm



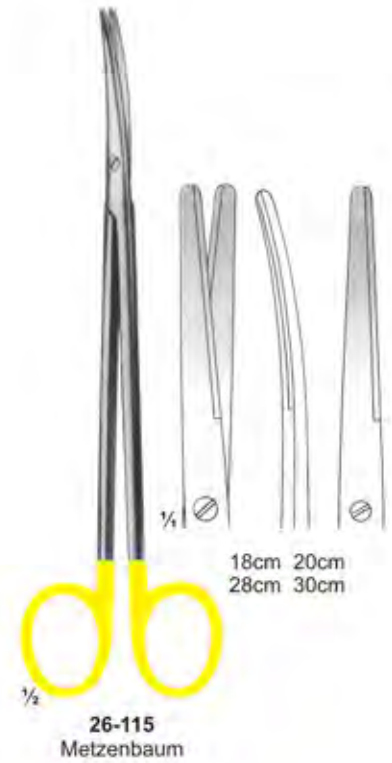
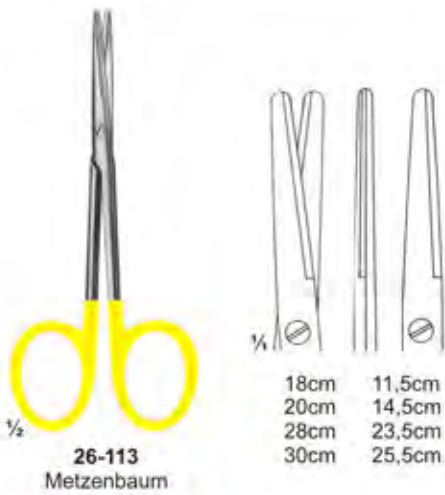
**26-106**  
Standard

14,5cm  
16,5cm  
18,5cm

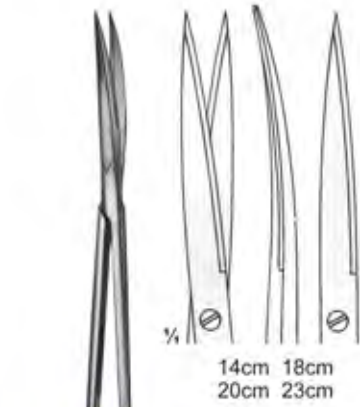
## Scissors with Tungsten Carbide Inserts



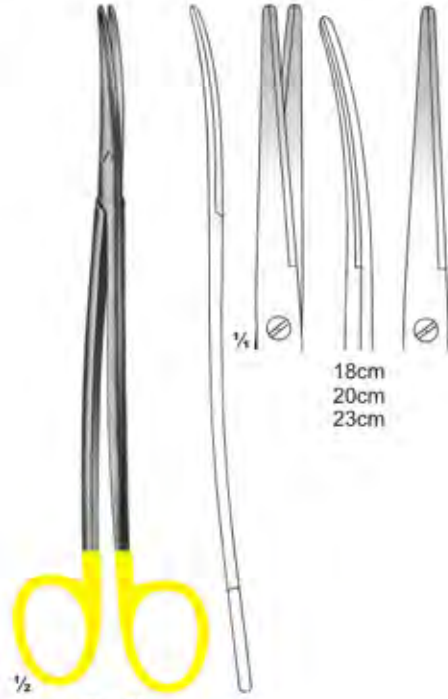
## Scissors with Tungsten Carbide Inserts



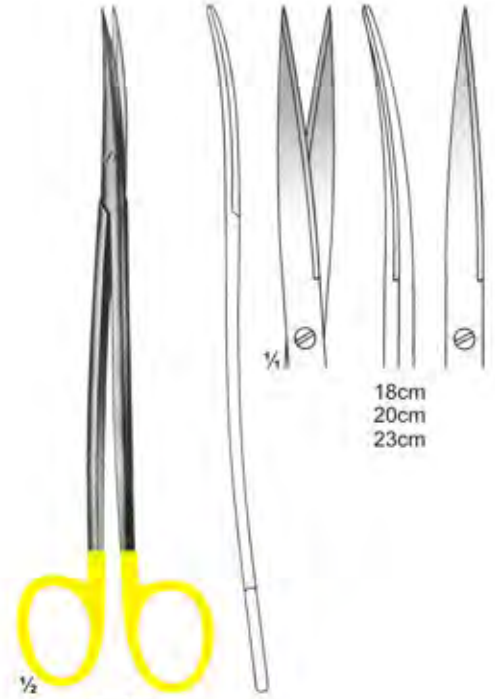
## Scissors with Tungsten Carbide Inserts



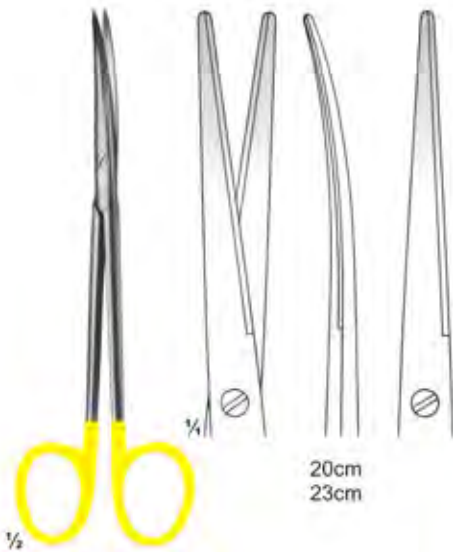
**26-119**  
Metzenbaum-Fino



**26-120**  
Metzenbaum-Fino



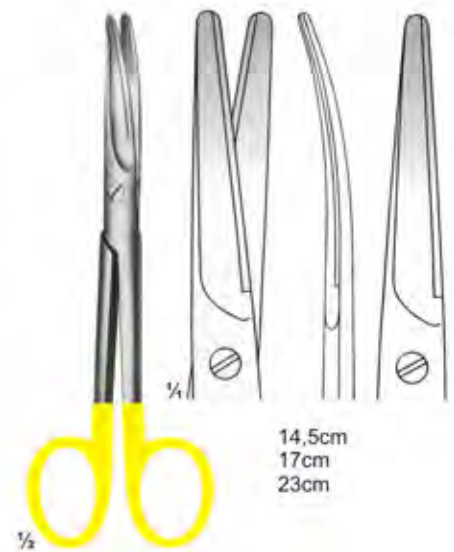
**26-121**  
Metzenbaum-Fino



**26-122**  
Metzenbaum

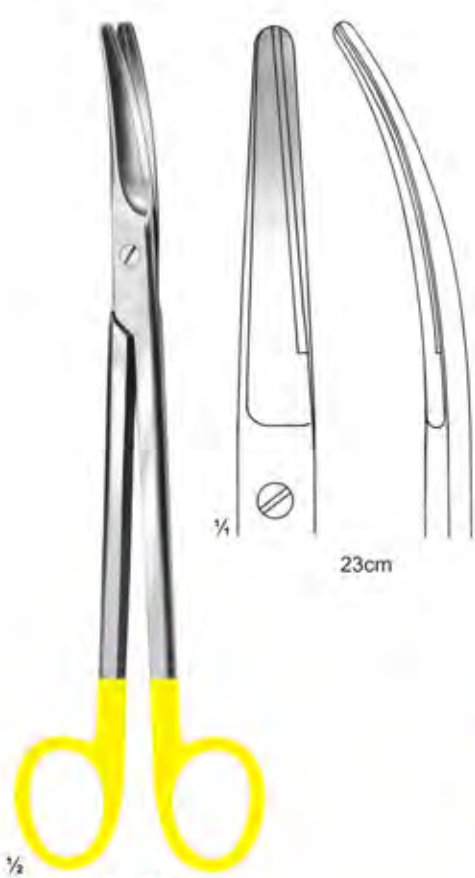


**26-123**  
Mayo

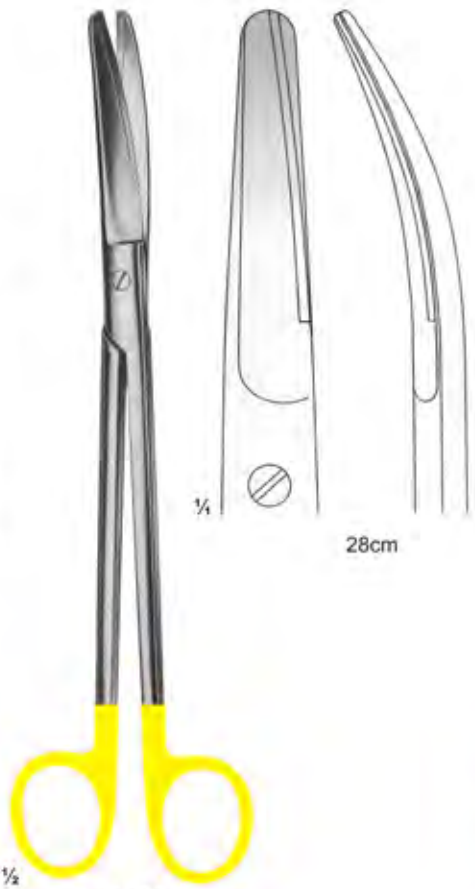


**26-124**  
Mayo

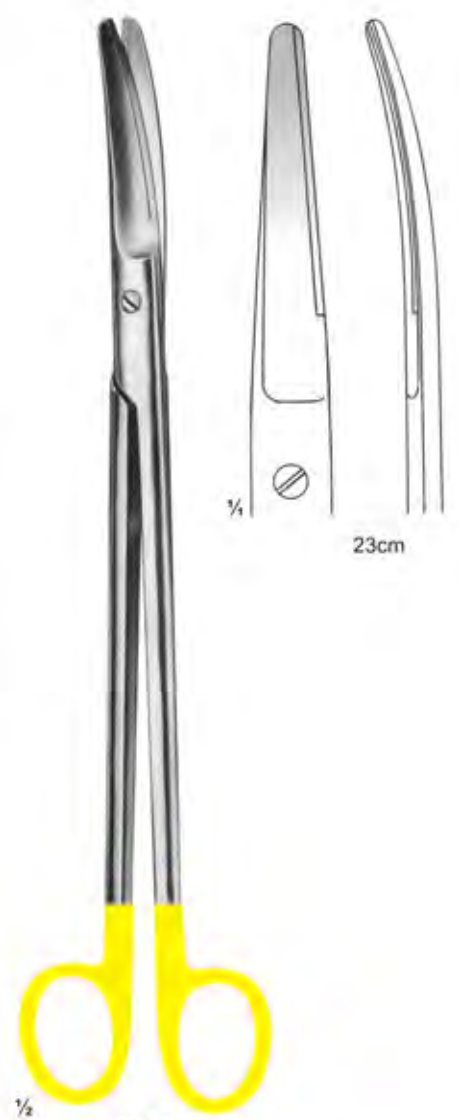
# Scissors with Tungsten Carbide Inserts



26-125  
Parametrium



26-126  
Mayo-Harrington



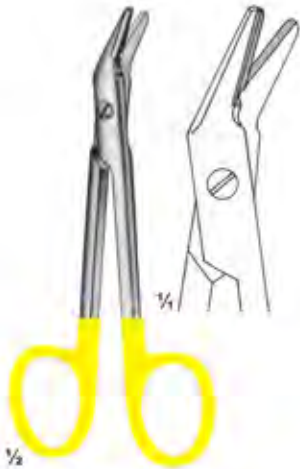
26-127  
Sims

# 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

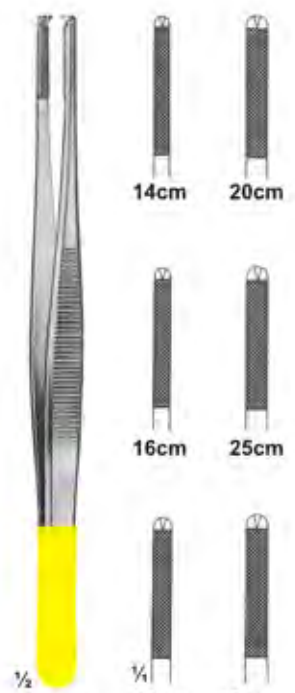
# Dissecting Forceps and Needle holders with



26-144  
Wangensteen



26-145  
Potts-Smith



26-146  
Oehler



26-147  
Potts-Smith  
22cm



26-148  
Hepp-Scheidle  
18cm



26-149  
Castroviejo  
14cm



26-150  
Castroviejo  
14cm



26-151  
Arruga  
16cm

# Needle holders with Tungsten Carbide Inserts



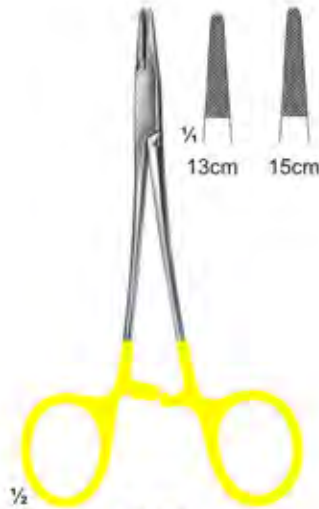
**26-152**  
Arruga  
16cm



**26-153**  
Castroviejo  
13cm



**26-154**  
Hegar  
20cm 24cm



**26-155**  
Halsey  
13cm 15cm



**26-156**  
Mayo-Hegar  
16cm 18cm 20cm  
24cm 26cm 30cm



**26-157**  
De-Bakey  
18cm 20cm 23cm  
26cm 31cm 37cm



**26-158**  
Hegar-Vascular  
14cm 18cm  
20cm 23cm

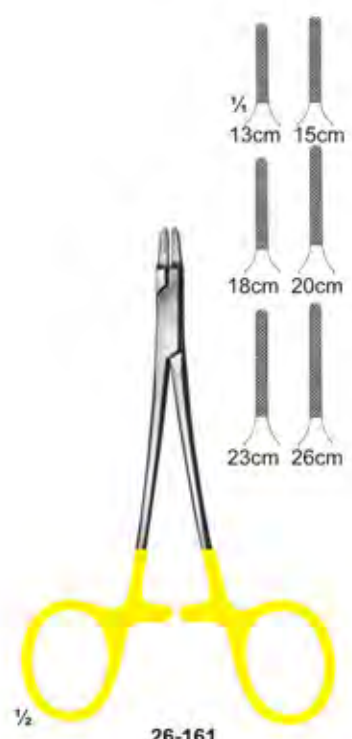
# Needle holders with Tungsten Carbide Inserts



$\frac{1}{2}$   
**26-159**  
Bozemann-Wertheim  
20cm 24cm 26cm



$\frac{1}{2}$   
**26-160**  
Stratte  
22cm 23cm



$\frac{1}{2}$   
**26-161**  
Ryder  
13cm 15cm 18cm  
20cm 23cm 26cm



$\frac{1}{2}$   
**26-162**  
Ryder-Vascular  
13cm 15cm 18cm  
20cm 23cm 26cm



$\frac{1}{2}$   
**26-163**  
Martin  
15cm 17cm 20cm



$\frac{1}{2}$   
**26-164**  
Sarot  
18cm 20cm 26cm

# Needle holders with Tungsten Carbide Inserts



## Needle holders with Tungsten Carbide Inserts



1/2  
**26-172**  
Mathieu-Ryder  
17cm  
20cm 24cm



1/2  
**26-173**  
Lichtenberg  
20cm



1/2  
**26-174**  
Langhals  
20cm 25cm



1/2  
**26-175**  
Lichtenberg  
20cm 25cm



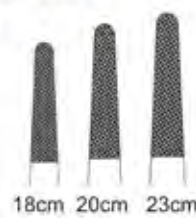
1/2  
**26-176**  
Luehty-Beck  
20cm 25cm



1/2  
**26-177**  
Luehty-Beck  
20cm 25cm



1/2  
**26-178**  
Langebeck  
18cm  
20cm 23cm



1/2  
**26-179**  
Langebeck-beck  
18cm  
20cm 23cm

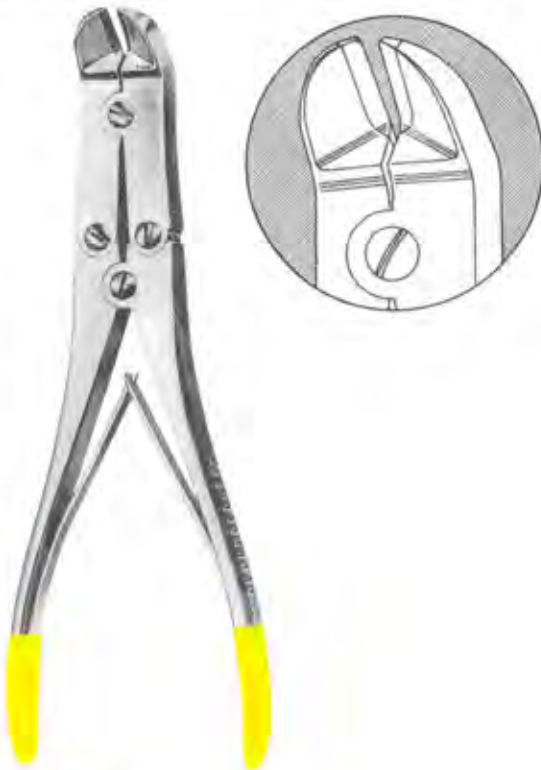
**Wire Cutting Plier With T.C. Inserts**



**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

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