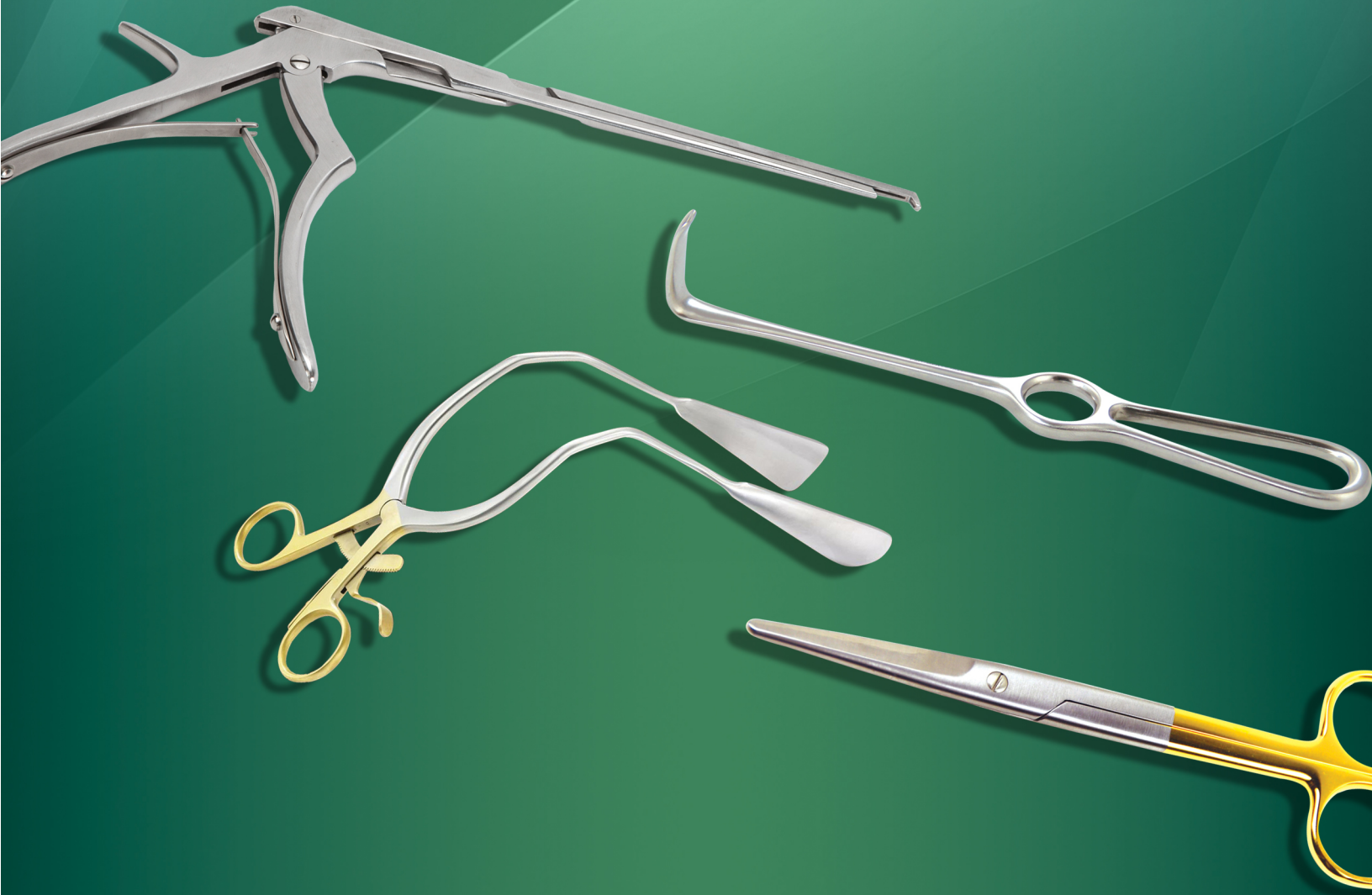




# G.A. SURGICAL (PVT) LIMITED

Manufactures & Exporters Of Quality Surgical Instruments



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Gohadpur, Sialkot 51310, Panjab, Pakistan.

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Fax: +92 52 4266758

Email: [info@gasurg.com](mailto:info@gasurg.com)

# Percussion Hammers & Aesthesiometers



**01-101**  
TROEMNER  
Size: 245 mm

1/2



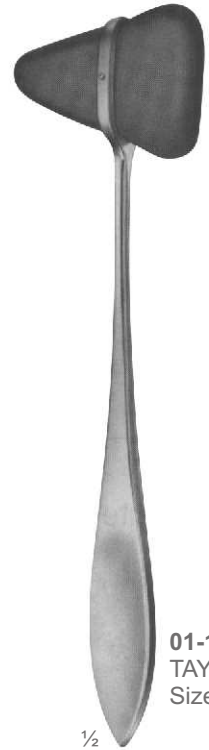
**01-102**  
DEJERINE  
Size: 200 mm

1/2



**01-103**  
DEJERINE  
With Needle  
Size: 210 mm

1/2



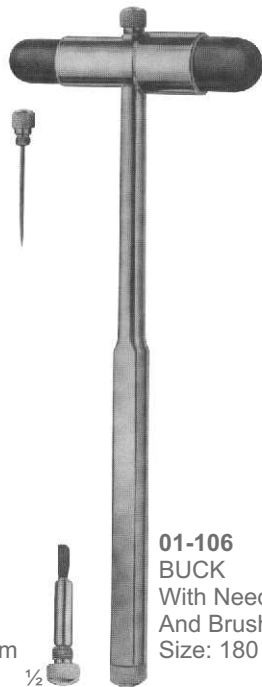
**01-104**  
TAYLOR  
Size: 195 mm

1/2



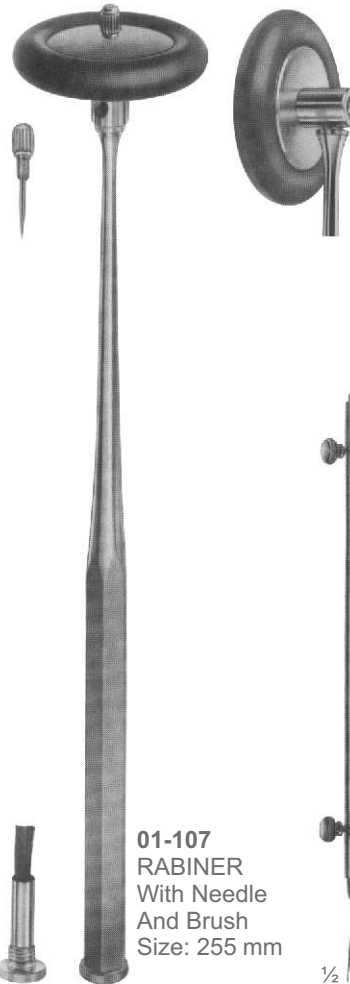
**01-105**  
BERLINER  
Size: 200 mm

1/2



**01-106**  
BUCK  
With Needle  
And Brush  
Size: 180 mm

1/2



**01-107**  
RABINER  
With Needle  
And Brush  
Size: 255 mm

1/2



**01-108**  
ALY  
Size: 190 mm

1/2



**01-109**  
WARTENBERG  
Pinwheel For  
Neurological  
Examination  
Size: 185 mm

1/2



# Stethoscopes



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

1/2



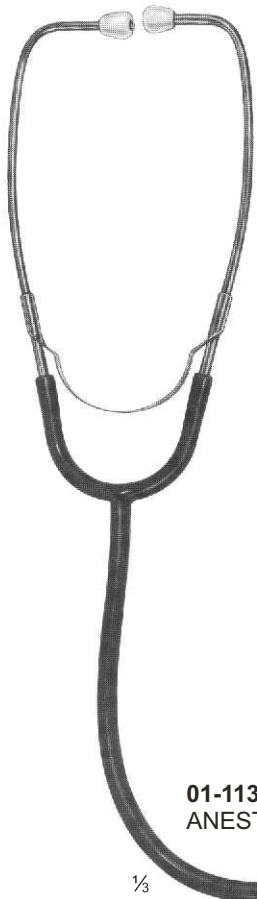
**01-111**  
aus Holz (Wooden)  
Size: 145 mm

1/2



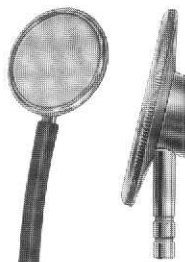
**01-112**  
BOWLES  
Stethoscope  
With Diaphragm

1/4



**01-113**  
ANESTOPHON

1/3



**01-114**  
FORD-BOWLES  
Duel Chest Piece  
With Two Outlets

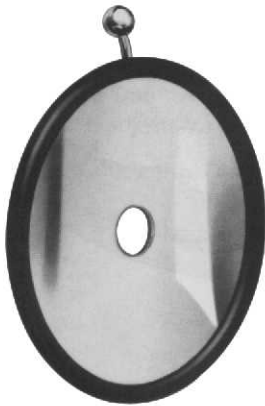
1/4



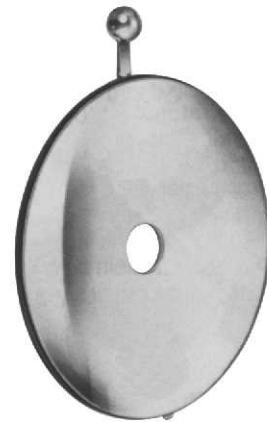
**01-115**  
BOWLES

1/4

## Head Mirrors & Head Bands



**01-116**  
ZIEGLER  $\varnothing$  mm  
Head mirror only  
with rubber coating

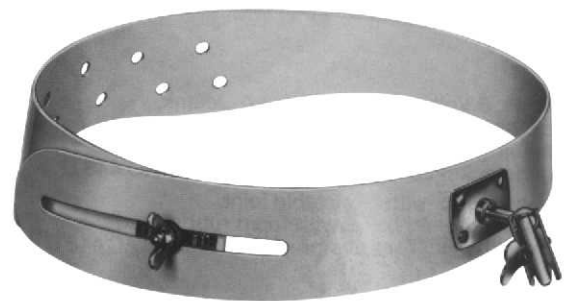


**01-117**  
ZIEGLER  $\varnothing$  mm  
Head mirror only  
with metal coating

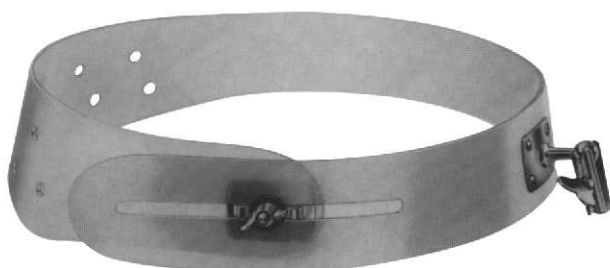


**01-118**  
ZIEGLER  
Head band of plastic black

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



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



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



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



# Head Light

## 01-123

CLAR

Head light, 6 volt, with adjustable joint,  
white celluloid head band,  
cord with plugs for transformer

## 01-124

White celluloid head band, only, for

## 01-125

Spare mirror only, for



**01-126**  
spare bulb

## 01-127

CLAR

Head light, 6 volt, with adjustable joint,  
white celluloid head band, with foam rubber pad  
and cord with plugs for transformer

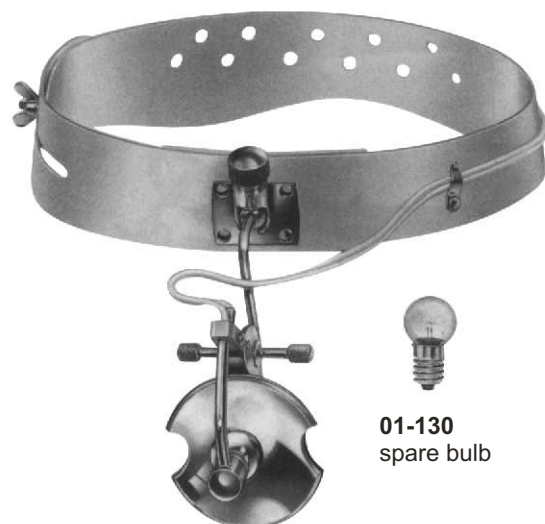
## 01-128

White celluloid head band, only, for head light

## 01-129

mirror only, for head light

spare foam rubber pad, for head band



**01-130**  
spare bulb

## 01-131

CLAR

Head light, 6 volt, with adjustable joint,  
white plastic head band,  
cord with plugs for transformer



**01-132**  
spare bulb

# Tongue Depressors



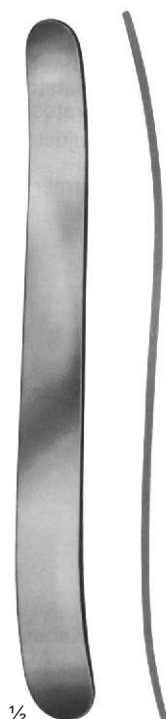
**01-133**  
Size: 150 mm



**01-134**  
Size: 145 mm



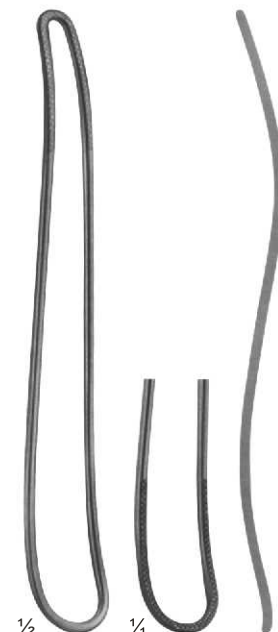
**01-135**  
Size: 140 mm



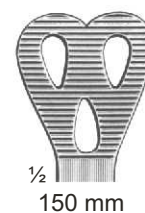
**01-136**  
BUCHWALD  
Size: 180 mm



**01-137**  
BRUENINGS  
Size: 190 mm



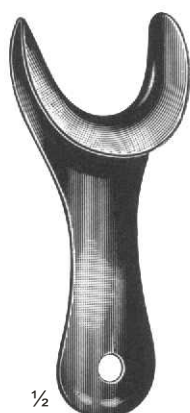
**01-138**  
FRENZEL  
Size: 165 mm



$\frac{1}{2}$   
150 mm



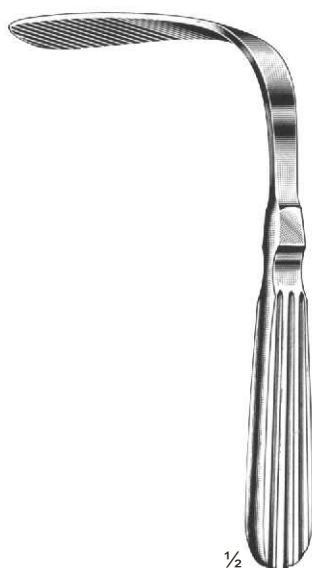
$\frac{1}{2}$   
140 mm



**01-139**  
SIMPLEX  
Size: 110 mm



**01-140**  
STEMBERG  
Size: 120 mm, 140 mm, 160 mm



**01-141**  
TOBOLD  
Size: 145 mm



**01-142**  
ANDREW  
Size: 110 mm



**01-143**  
WIEDER



# Tongue Depressors



1/2

**01-144**  
SCHIMMELBUSCH  
Ether Mask



1/2

**01-145**  
HEISTER  
Mouth Gag  
Size: 130 mm



1/2

**01-146**  
FERGUSSON-ACKLAND  
Mouth Gag  
Size: 145 mm



1/2

**01-147**  
DENHARDT  
Mouth Gag With Silicon  
Inserts, Interchangeable  
Size: 125 mm



1/2

**01-148**  
ROSIER KONIG  
Mouth Gag  
Size: 160 mm, 185 mm



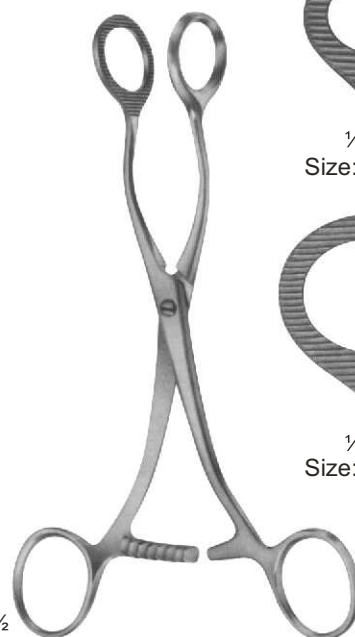
1/2

**01-149**  
YOUNG  
Size: 165 mm



1/4

1 Pair Of  
Rubber Pads



1/2

**01-150**  
COLLIN  
Size: 160 mm, 170 mm



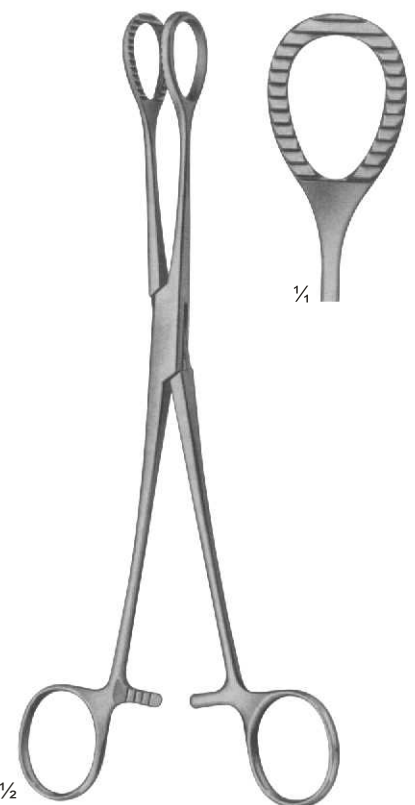
1/4

Size: 160 mm



1/4

Size: 170 mm



1/2

**01-151**  
HEYWOOD-SMITH modif.  
Size: 215 mm

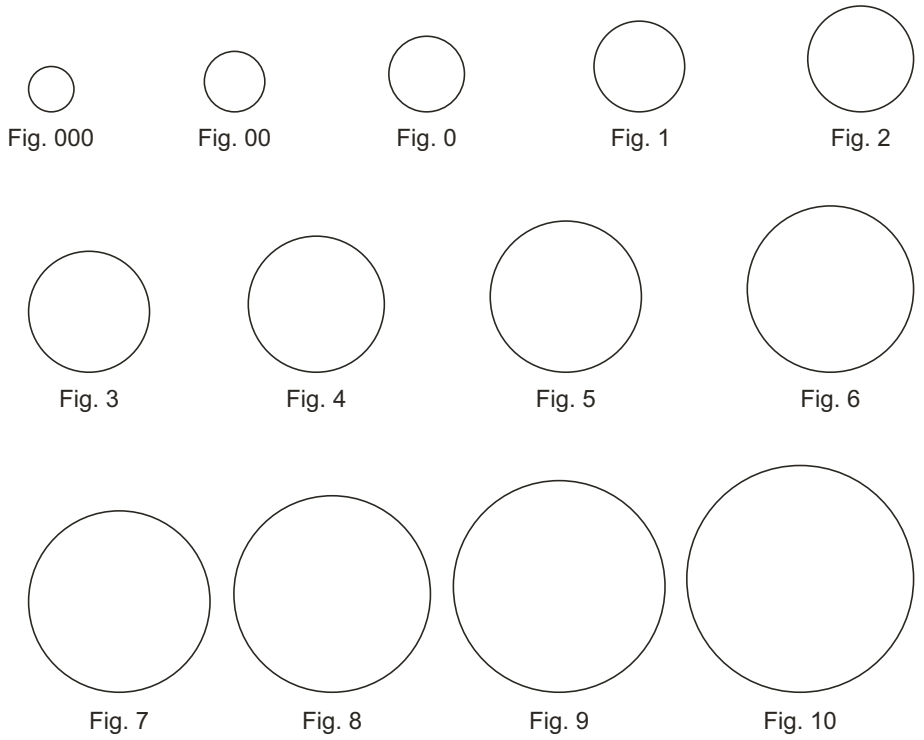
# Blood Lancets & Laryngeal Mirrors



**01-152**  
FRANCKE  
Automatic Blood Lancet



**01-153**  
KOLLE  
Microscopic Needle Holder  
With Plastic Handle  
Size: 240 mm



**01-154**  
Laryngeal Mirrors With  
Hexagonal Handle  
Size: 180 mm



**01-155**  
Mirror Handle  
Size: 110 mm



**01-156**  
Mirror Handle  
Size: 105 mm



**01-157**  
MICHEL  
Rhinoscopic Mirrors With  
Interchangeable Mirror Inserts  
Size: 250 mm



**01-158**  
Spare Mirrors Only  
Size: 12 mm



**01-159**  
Spare Mirrors Only  
Size: 14 mm



# Diagnostic Sets



**01-160 - 162**  
MAGILL



**01-160**  
Infants  
Size: 150 mm



**01-161**  
Children  
Size: 200 mm



**01-162**  
Adults  
Size: 250 mm



**01-163**  
Medium battery handle  
only, 25 mm diam.



**01-163-A**  
Spare bulb  
2.7 volt, for  
otoscopes



**01-163-B**  
Spare bulb  
2.6 volt, for  
ophthalmoscopes



**01-164**  
Otoscope Set, Consists Of  
Battery Handle Without Batteries,  
3 Ear Specula, 1 Bulb In Velvet Lined Case



**01-165**  
Diagnostic Set, Otoscope With Three Specula,  
Nasal Speculam, Lamp Holder, Two Laryngeal  
Mirrors, Tongue Blade Holder

# Diagnostic Sets



1/3

**01-166**  
**MILLER**  
 Laryngoscope Set, Consists Of Battery Handle ( Without Battery )  
 With Four Miller Laryngoscope Blades

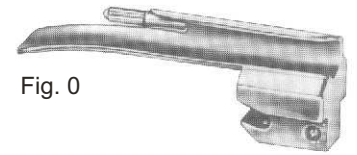


Fig. 0

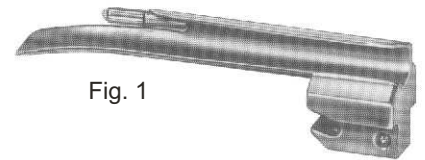


Fig. 1

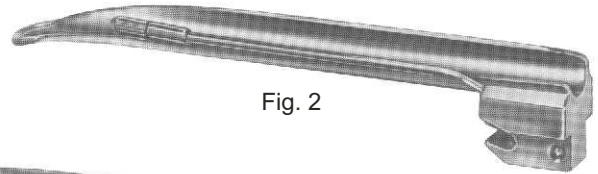


Fig. 2

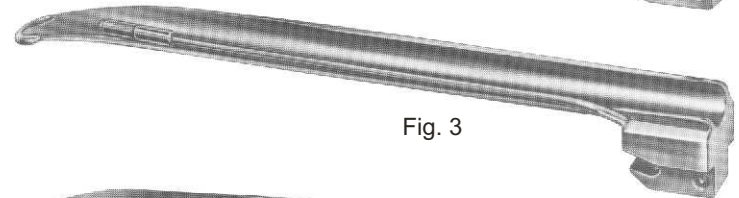


Fig. 3

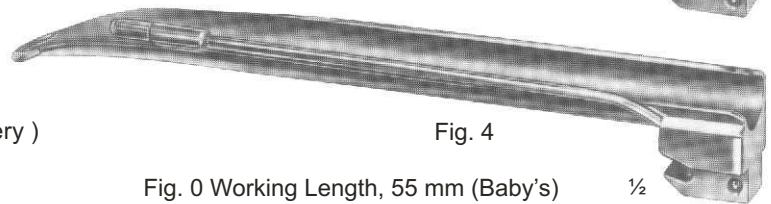


Fig. 4

Fig. 0 Working Length, 55 mm (Baby's) 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)



1/3

**01-167**  
**GUEDEL-NEGUS**  
 Laryngoscope Set, Consists Of Battery Handle ( Without Battery )  
 With Four Miller Laryngoscope Blades



Fig. 1



Fig. 2



Fig. 3



Fig. 4

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

# Diagnostic Sets



1/3

**01-168**  
 McIntosh  
 Laryngoscope Set, Consists Of Battery Handle ( Without Battery )  
 With Three McIntosh Blades, Fig. 1, Fig. 2, Fig. 3

**01-169**  
 McIntosh  
 Laryngoscope Set, Consists Of Battery Handle ( Without Battery )  
 With Five McIntosh Blades, Fig. 1, Fig. 2, Fig. 3, Fig. 4, Fig. 5

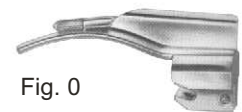


Fig. 0



Fig. 1



Fig. 2

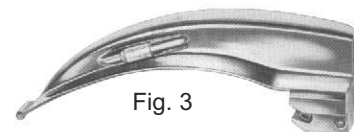


Fig. 3

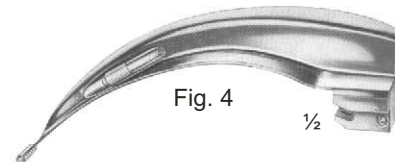
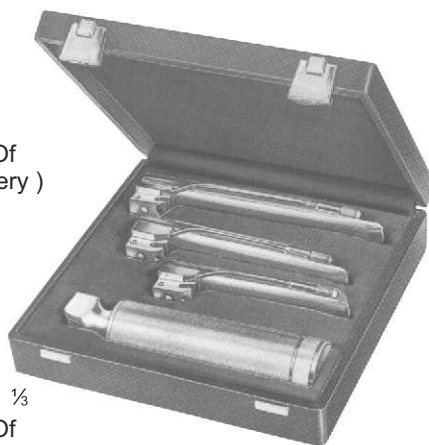


Fig. 4

1/2

Fig. 0 Working Length, 55 mm (Baby's)  
 Fig. 1 Working Length, 75 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)

**01-170**  
 FOREGGER  
 Laryngoscope Set, Consists Of  
 Battery Handle ( Without Battery )  
 With Three Foregger Blades,  
 Fig. 1, Fig. 2, Fig. 3,



1/3

**01-171**  
 FOREGGER  
 Laryngoscope Set, Consists Of  
 Battery Handle ( Without Battery )  
 With Five Foregger Blades,  
 Fig. 1, Fig. 2, Fig. 3, Fig. 4, Fig. 5



Fig. 1



Fig. 2



Fig. 3

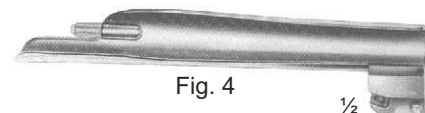


Fig. 4

1/2

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)



1/2

**01-172**  
 Fiber Optic  
 Battery Handle



1/2

**01-173**  
 Fiber Optic  
 Battery Handle



1/4

**01-174**  
 Replacement Lamp  
 ( Krypton ) 2.5 V

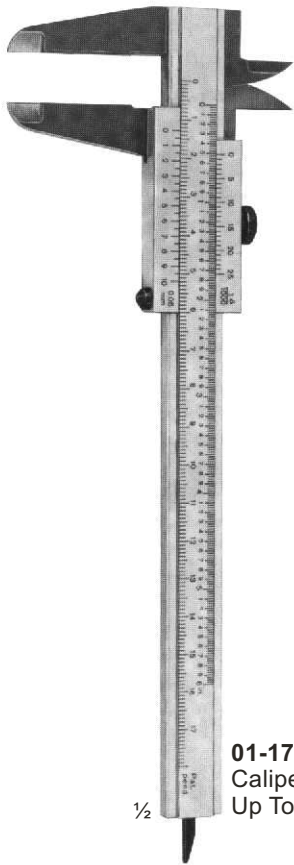


1/4

**01-175**  
 Replacement Lamp  
 ( Halogen ) 2.5 V

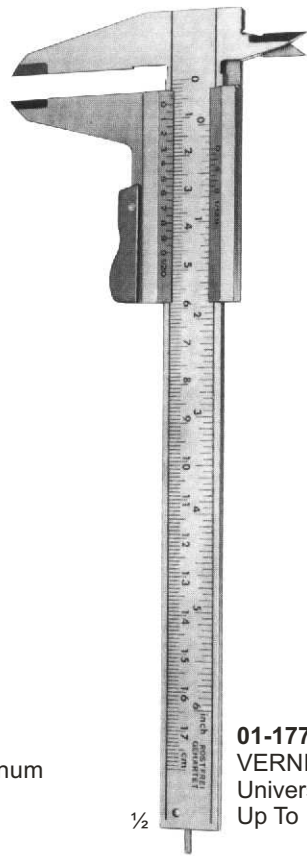


# Examination & Measuring Instruments



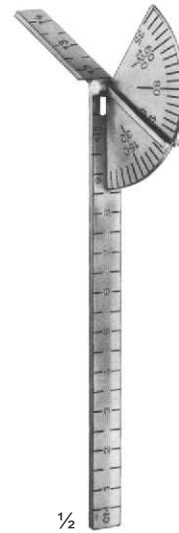
**01-176**  
Caliper Of Aluminum  
Up To 180 mm

1/2



**01-177**  
VERNIER  
Universal Caliper Of Steel  
Up To 120 mm

1/2



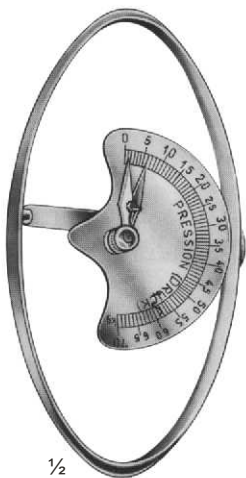
**01-178**  
CAROLL  
Size: 140 mm

1/2



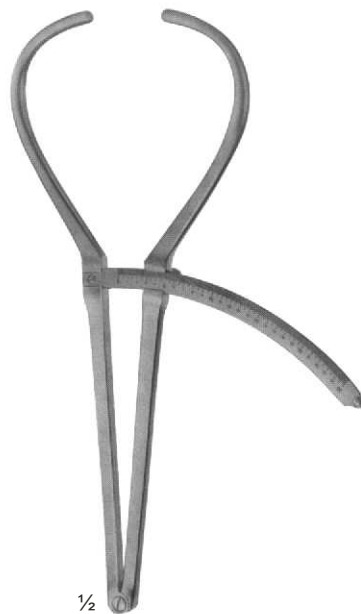
**01-179**  
TOWNLEY  
Size: 100 mm

1/2



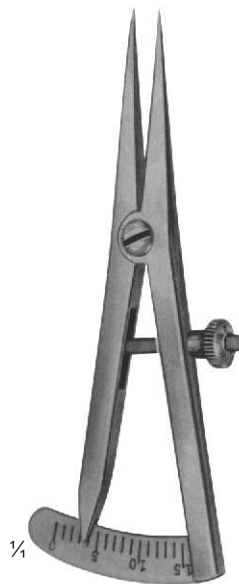
**01-180**  
COLLIN  
Druck Pressure 72 kg  
Size: 125 mm

1/2



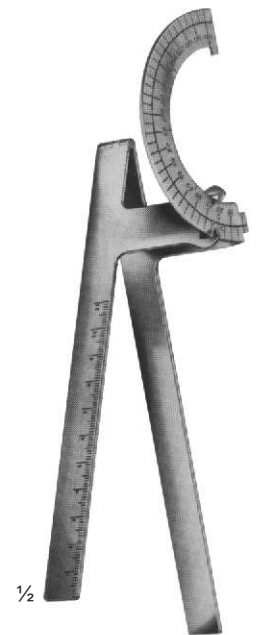
**01-181**  
BERTILLON  
Caliper For Measuring The Head  
Size: 320 mm

1/2



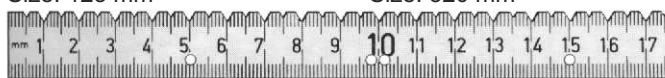
**01-182**  
CASTROVIEJO  
Caliper

1/4



**01-183**  
MOLTGEN  
Goniometer

1/2



**01-185**  
Size: 150 mm



**01-184**  
Size: 500 mm



# Dissecting Knives



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



**02-101**  
Fig. 1



**02-102**  
Fig. 2



**02-103**  
Fig. 3



**02-104**  
Fig. 4



**02-105**  
Fig. 5



**02-106**  
Fig. 6



**02-107**  
Fig. 7



**02-108**  
Fig. 8



**02-109**  
Fig. 9

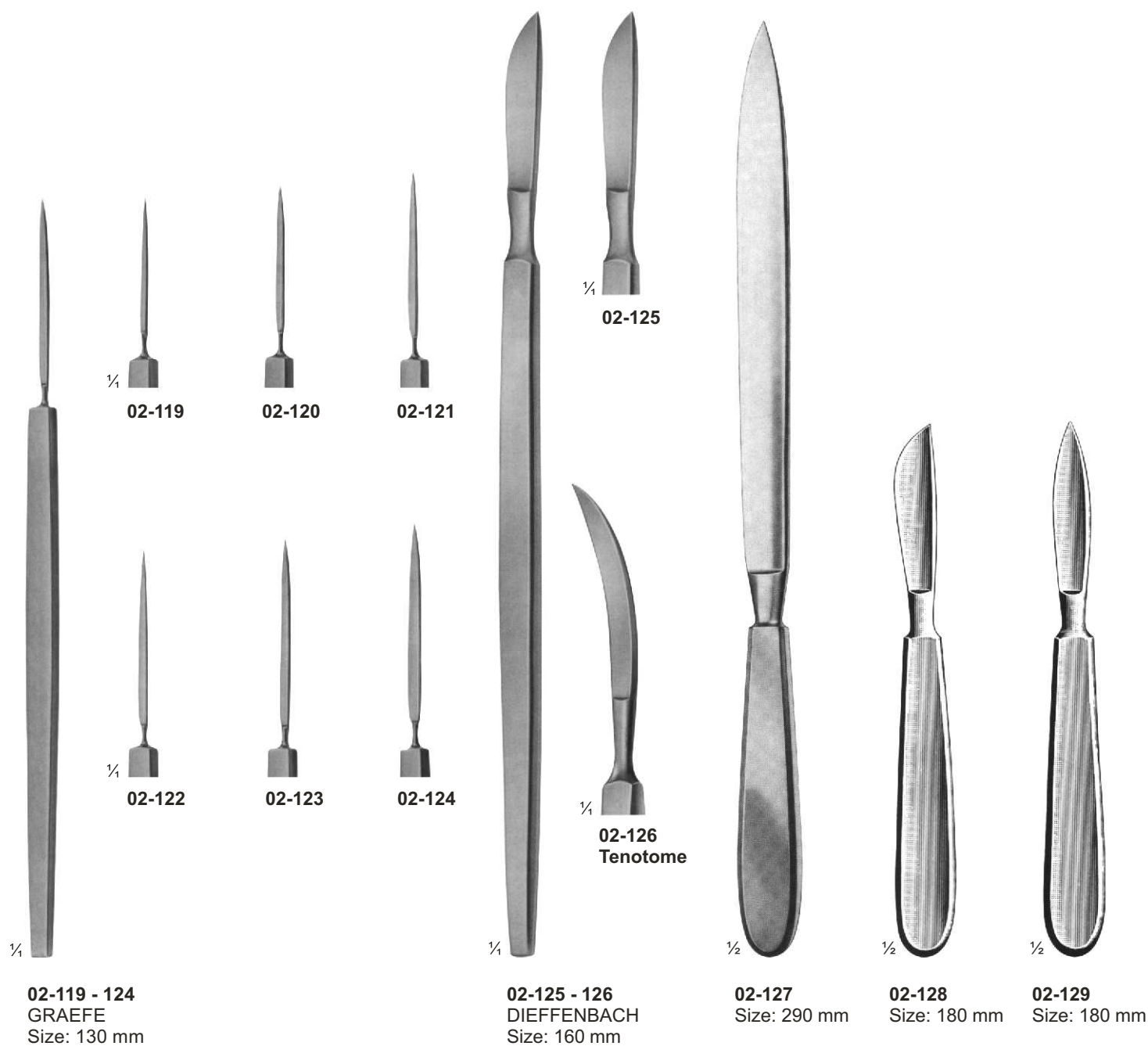


**02-110**  
Fig. 10

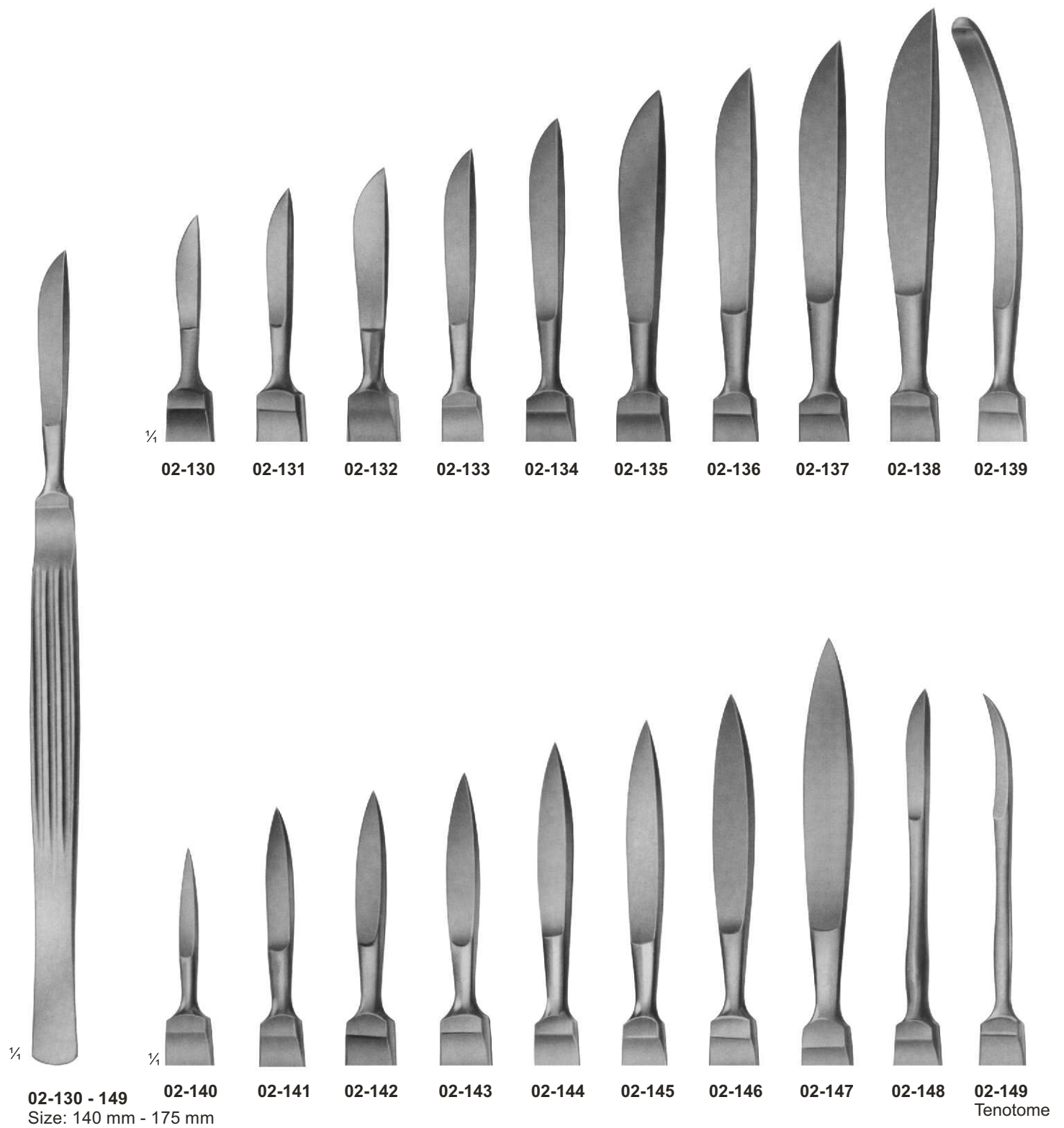
# Autopsy & Cartilage Knives



# Scalpels, Tenotomes & Resection Knives



# Scalpels, Tenotomes





# Amputating Knives, Cartilage Knives, Autopsy Knives



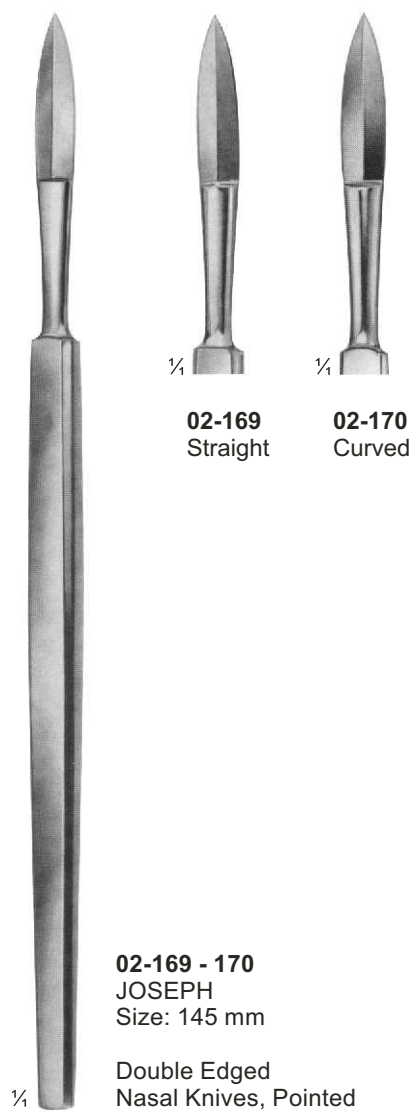
<b>02-150</b> Size: 130 mm	<b>02-154</b> CATLIN Size: 160 mm	<b>02-155</b> LANGENBECK Size: 120 mm	<b>02-156</b> Size: 110 mm	<b>02-157</b> Size: 55 mm	<b>02-158</b> Size: 70 mm	<b>02-159</b> Size: 80 mm	<b>02-160</b> Size: 195 mm
<b>02-151</b> Size: 160 mm	Blade Length	Blade Length	Blade Length	Blade Length	Blade Length	Blade Length	Blade Length
<b>02-152</b> Size: 190 mm	Amputating	Flap Knives	Interosseous	With Raspatory,	Wooden Handle	Metal Handle	Metal Handle
<b>02-153</b> Size: 200 mm	Knives		Knives	Wooden Handle			

Blade Length  
Amputating Knives

# Cone Knives, Myomatome, Trigeminal & Tonsil Knives



# Scalpels, Dura Knives & Comedone Extractors

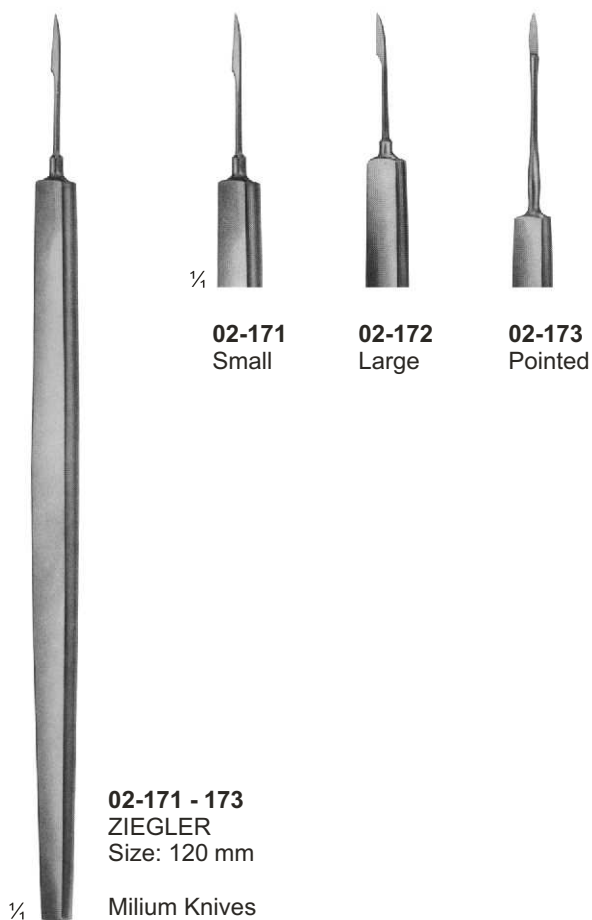


**02-169**  
Straight

**02-170**  
Curved

**02-169 - 170**  
JOSEPH  
Size: 145 mm

Double Edged  
Nasal Knives, Pointed



**02-171**  
Small

**02-172**  
Large

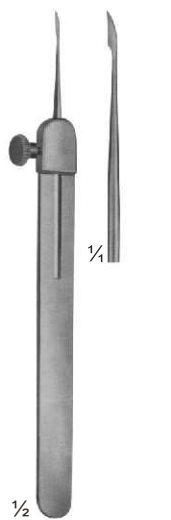
**02-173**  
Pointed

**02-171 - 173**  
ZIEGLER  
Size: 120 mm

Milium Knives



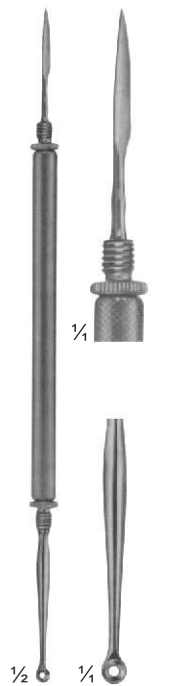
**02-174**  
VIDAL  
Lupus Scraper  
Size: 135 mm



**02-175**  
MONCORPS  
Milium Knives  
Size: 130 mm



**02-176**  
SAALFELD  
Size: 100 mm



**02-177**  
HEBRA  
Size: 180 mm

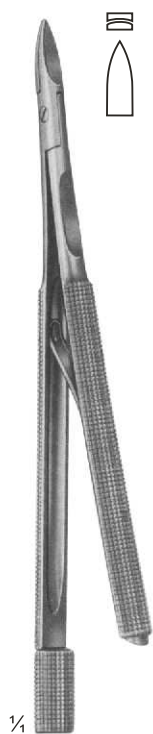


**02-178**  
Size: 145 mm



**02-179**  
UNNA  
Size: 145 mm

# Razor Blade Holders & Breakers



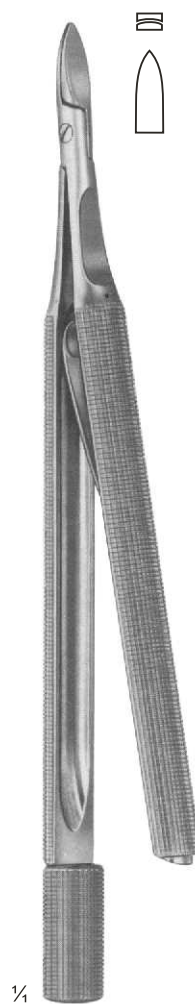
¼  
**02-180**  
 TROUTMAN-CHRIS  
 Size: 100 mm



¼  
**02-181**  
 TROUTMAN-CHRIS  
 Size: 100 mm



¼  
**02-182**  
 Size: 110 mm



¼  
**02-183**  
 CASTROVIEJO  
 Size: 130 mm



¼  
**02-184**  
 Size: 185 mm



# Scalpel Handles



**02-185**  
STANDARD  
No. 4  
Solid

**02-186**  
Double Handel  
No. 4 + No. 3  
Solid

**02-187**  
No. 4 L  
Straight  
Solid

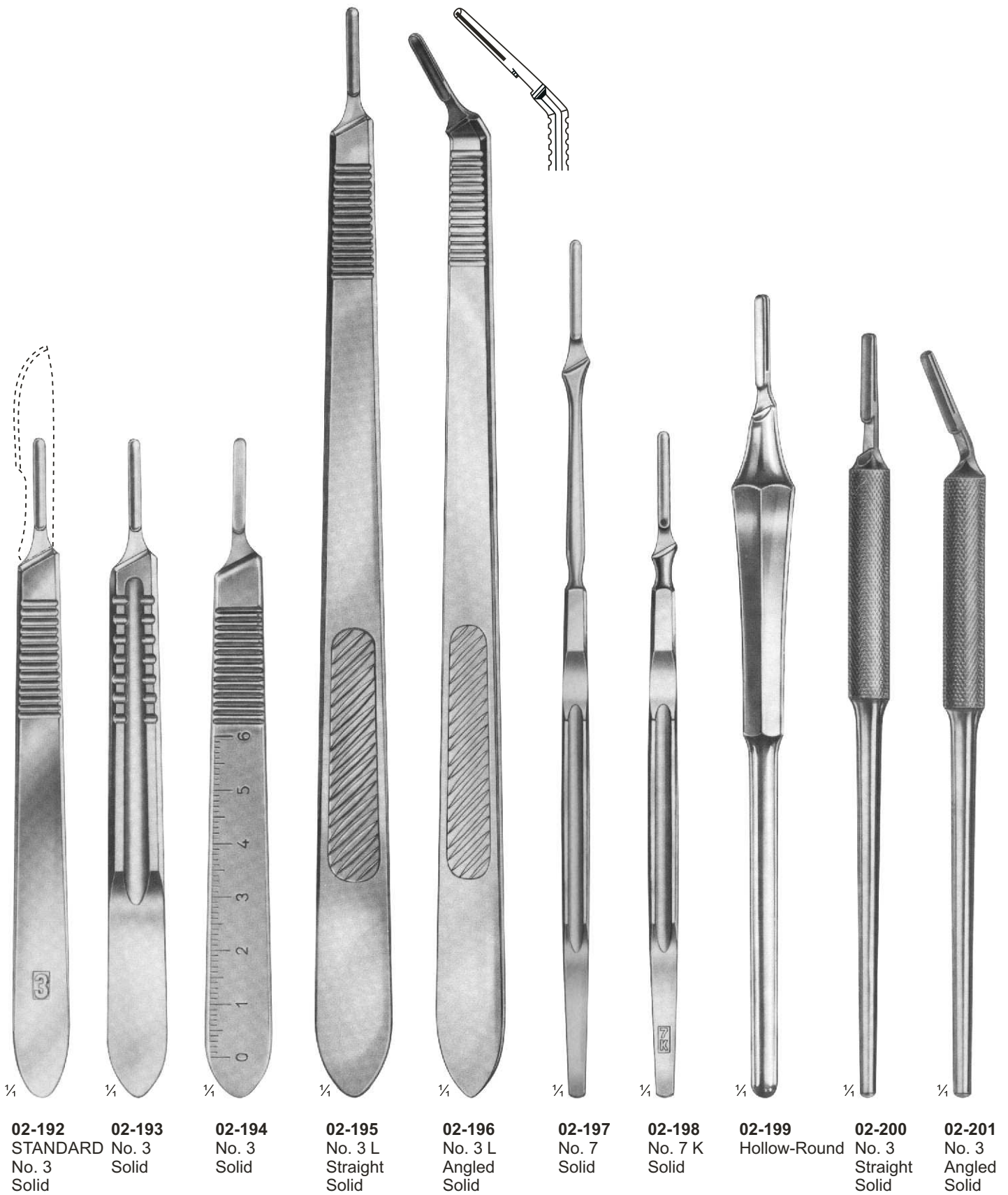
**02-188**  
No. 4 L  
Solid Angled

**02-189**  
COLLIN  
No. 8  
Hollow

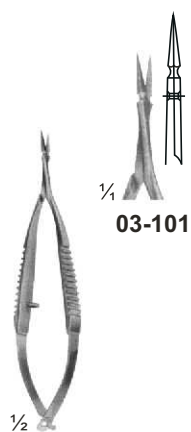
**02-190**  
COLLIN  
No. 9  
Hollow

**02-191**  
Plastic

# Scalpel Handles



# Micro Scissors, "Spring Type" Flat Handles



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



**03-102**



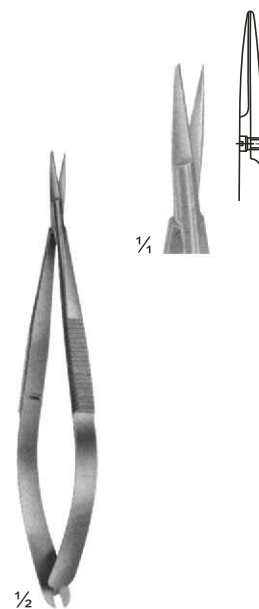
**03-103**



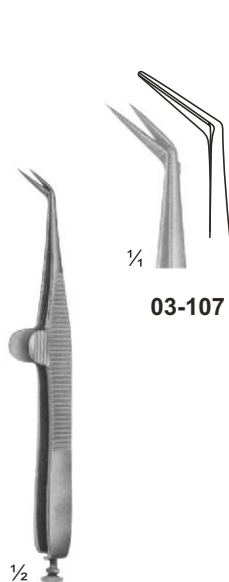
**03-104 - 105**  
CASTROVIEJO  
Size: 95 mm



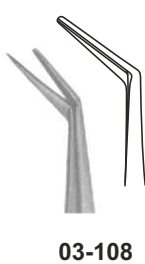
**03-105**



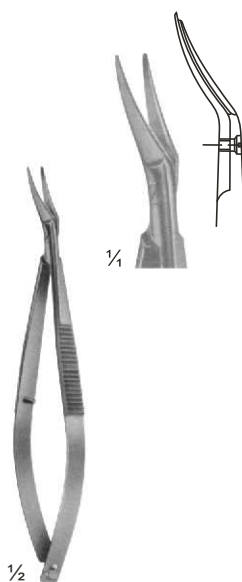
**03-106**  
NOYES  
Size: 125 mm



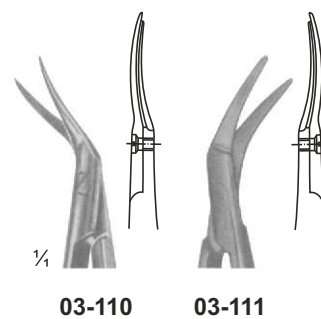
**03-107 - 108**  
WECKER  
Eye Scissor  
Size: 110 mm



**03-108**



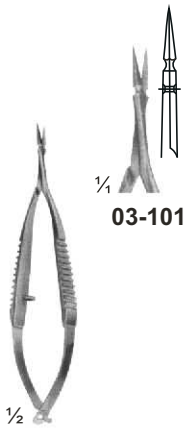
**03-109**  
CASTROVIEJO  
Eye Scissor  
Size: 115 mm



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

**03-110 03-111**

# Micro Scissors, "Spring Type" Flat Handles



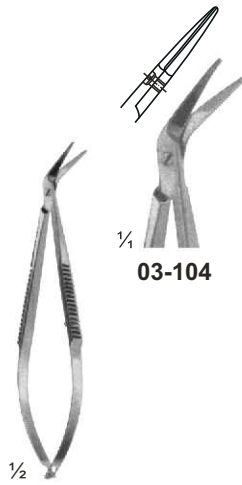
**03-101 - 103**  
VANNAS  
Size: 85 mm



**03-102**



**03-103**



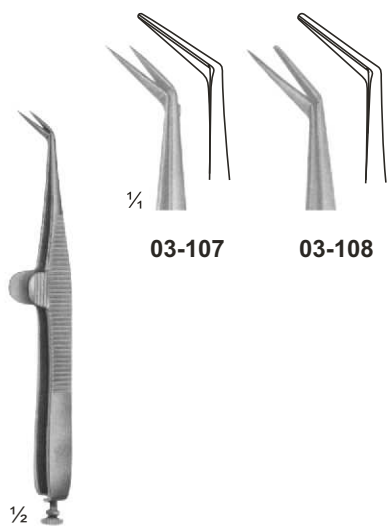
**03-104 - 105**  
CASTROVIEJO  
Size: 95 mm



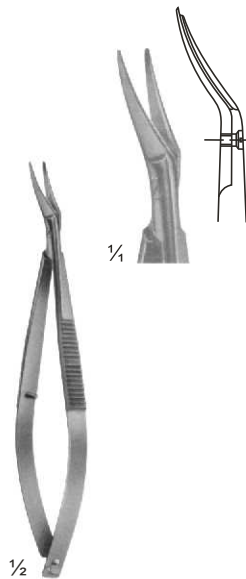
**03-105**



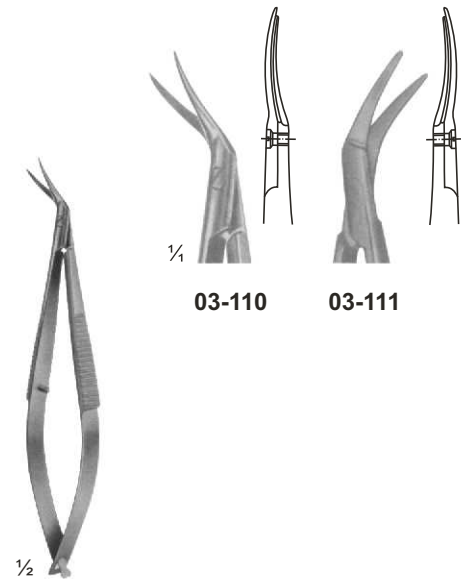
**03-106**  
NOYES  
Size: 125 mm



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



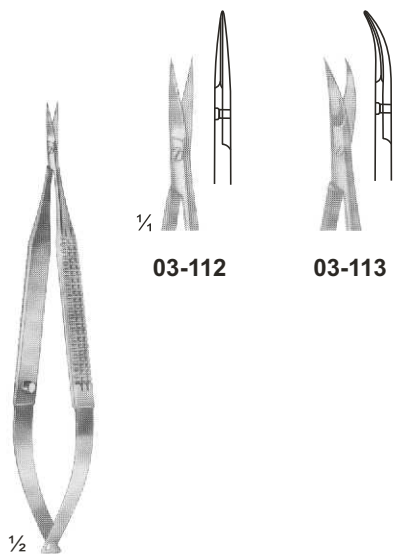
**03-109**  
CASTROVIEJO  
Eye Scissor  
Size: 115 mm



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



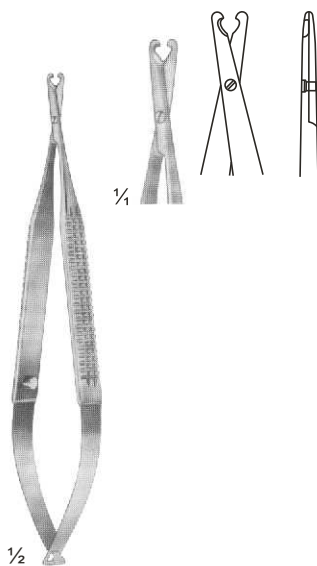
# Micro Scissors, "Spring Type" Flat Handles



**03-112**

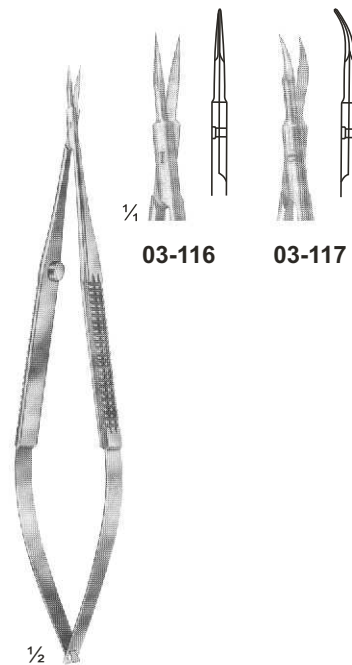
**03-113**

**03-112 - 113**  
Size: 120 mm



**03-114**  
**BIEMER**  
Vein Scissor  
Size: 130 mm

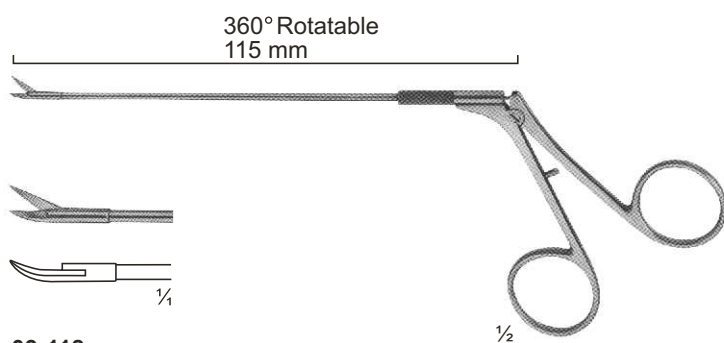
**03-115**  
Size: 160 mm



**03-116**

**03-117**

**03-116 - 117**  
**VANNAS**  
Size: 160 mm



**03-118**  
**CASPAR**  
Micro Scissor Curved  
Size: 115 mm



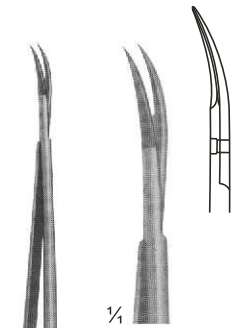
**03-119**

**03-120**

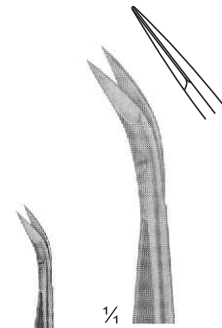
**03-121**

**03-119 - 121**  
Micro Dissecting Scissor  
Size: 145 mm

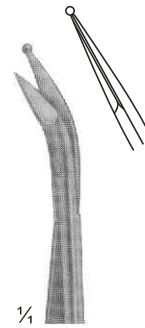
# Micro Scissors, "Spring Type" Bayonet Shape



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



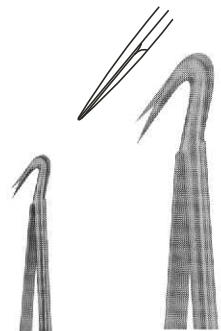
**03-123**



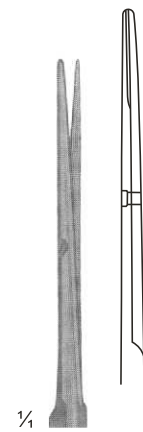
**03-124**



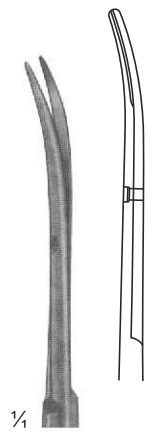
**03-123 - 124**  
Laterally Angled  
Size: 200 mm



**03-125**  
Laterally Angled  
Size: 190 mm



**03-126**

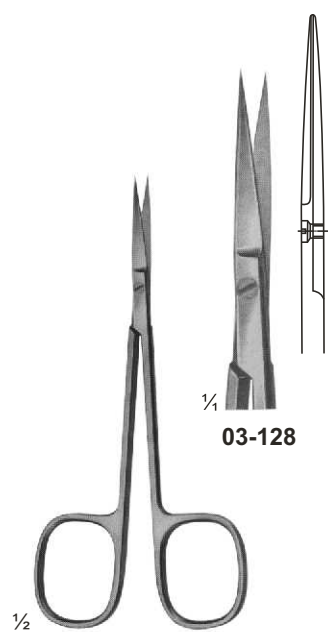


**03-127**

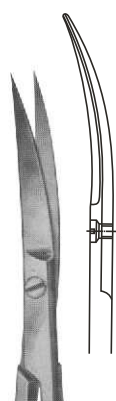


**03-126 - 127**  
YASARGIL  
Size: 225 mm

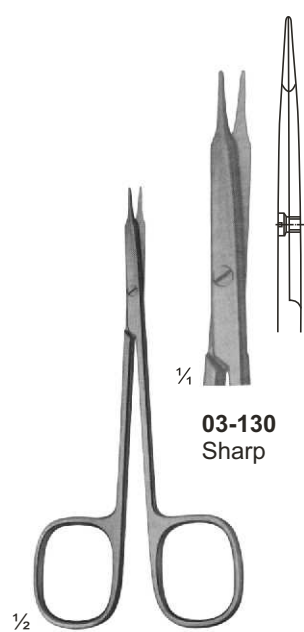
# Delicate Scissors



**03-128**

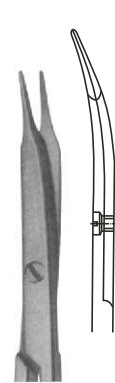


**03-129**

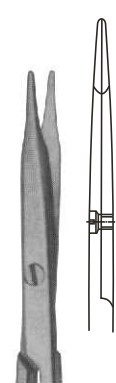


1/4

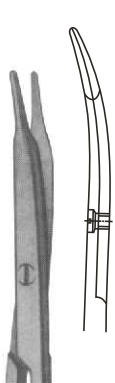
**03-130**  
Sharp



**03-131**  
Sharp



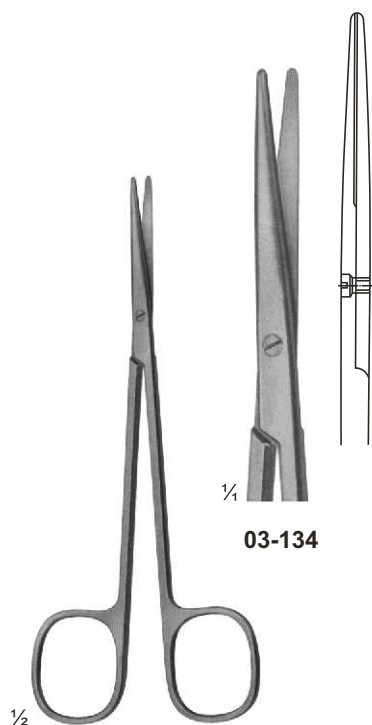
**03-132**  
Blunt



**03-133**  
Blunt

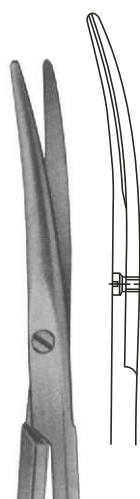
**03-128 - 129**  
Size: 120 mm

**03-130 - 133**  
**STEVENS**  
Dissecting Scissors  
Size: 115 mm

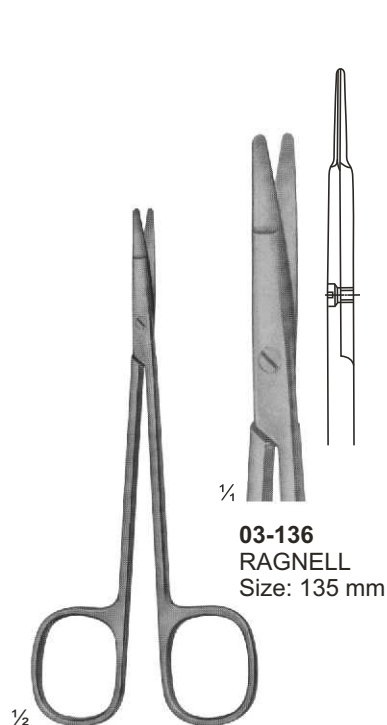


1/4

**03-134**

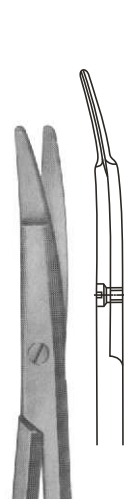


**03-135**

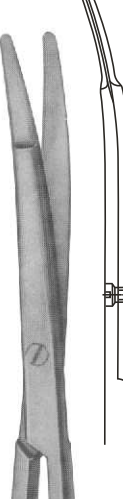


1/4

**03-136**  
**RAGNELL**  
Size: 135 mm



**03-137**  
**RAGNELL**  
Size: 135 mm

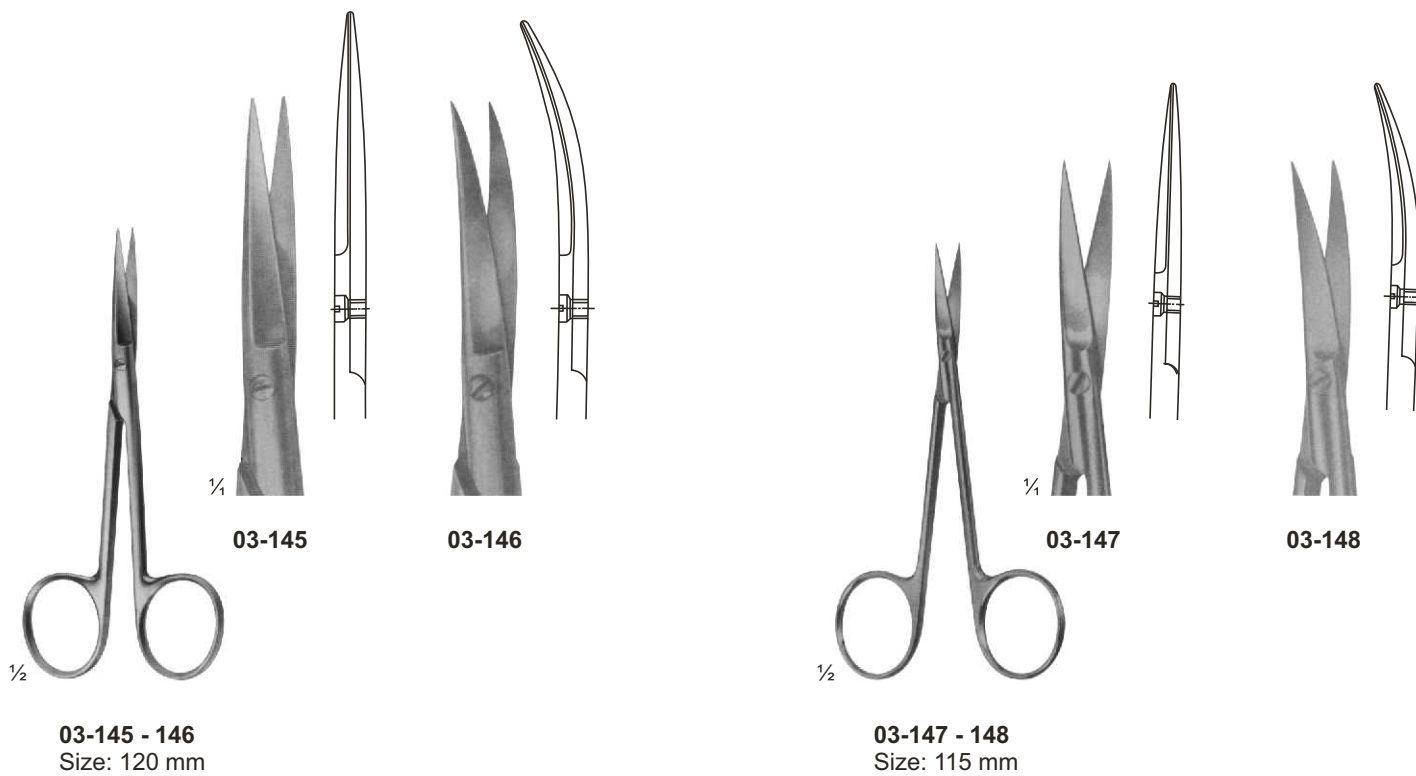
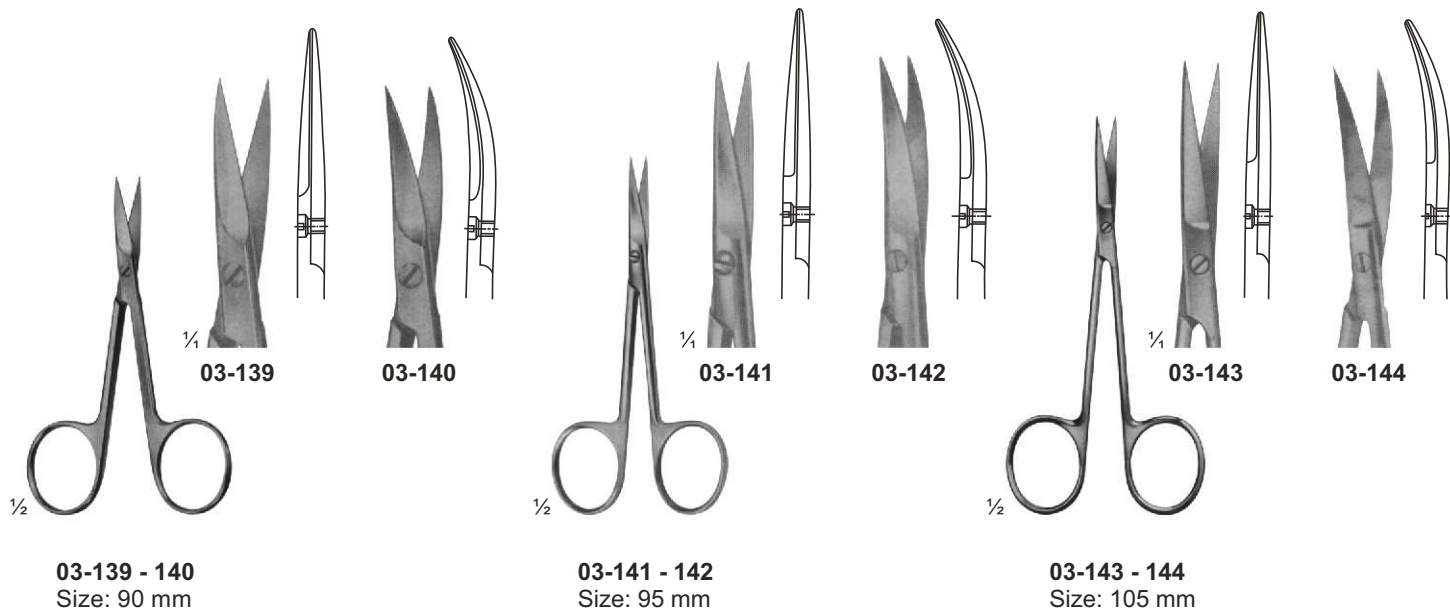


**03-138**  
Size: 150 mm

**03-134 - 135**  
**METZENBAUM**  
Dissecting Scissors  
Size: 145 mm

**03-136 - 138**  
Special flat points for  
dissecting and  
undermining the skin  
Size: 145 mm

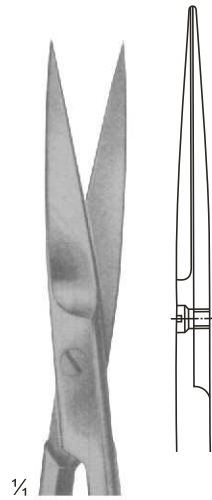
# Delicate Scissors



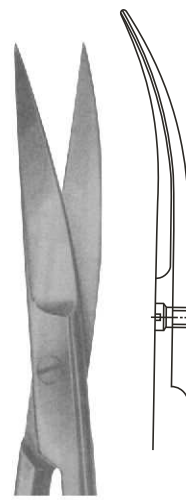
# Delicate Scissors



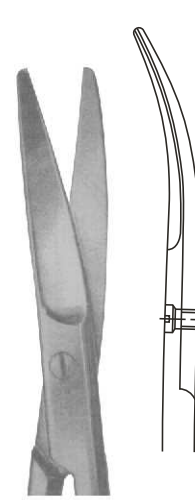
**03-149 - 151**  
Size: 120 mm



**03-149**



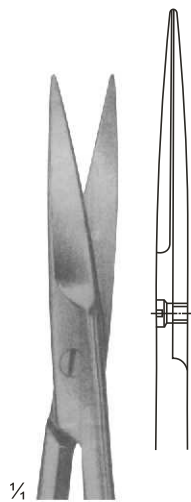
**03-150**



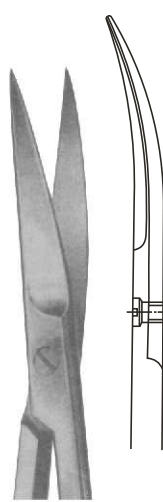
**03-151**



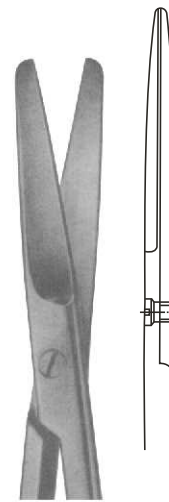
**03-152 - 155**  
Size: 130 mm



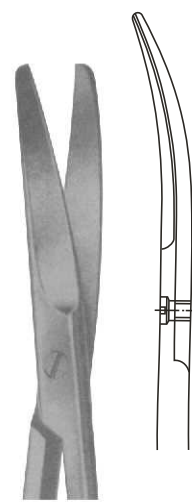
**03-152**



**03-153**



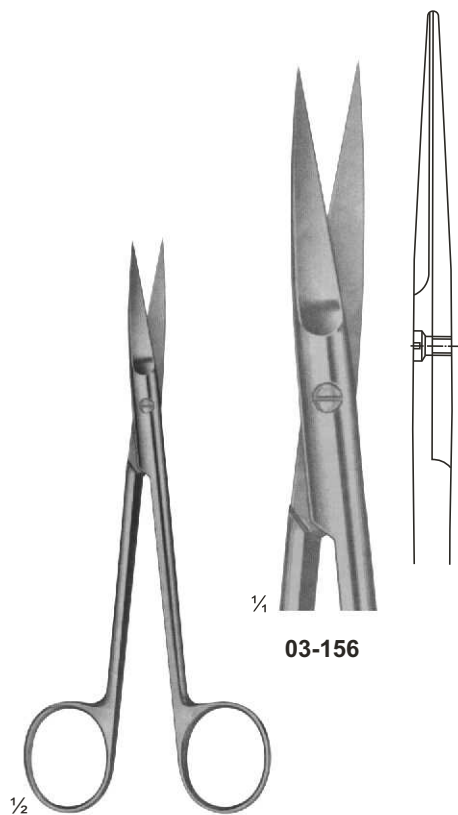
**03-154**



**03-155**



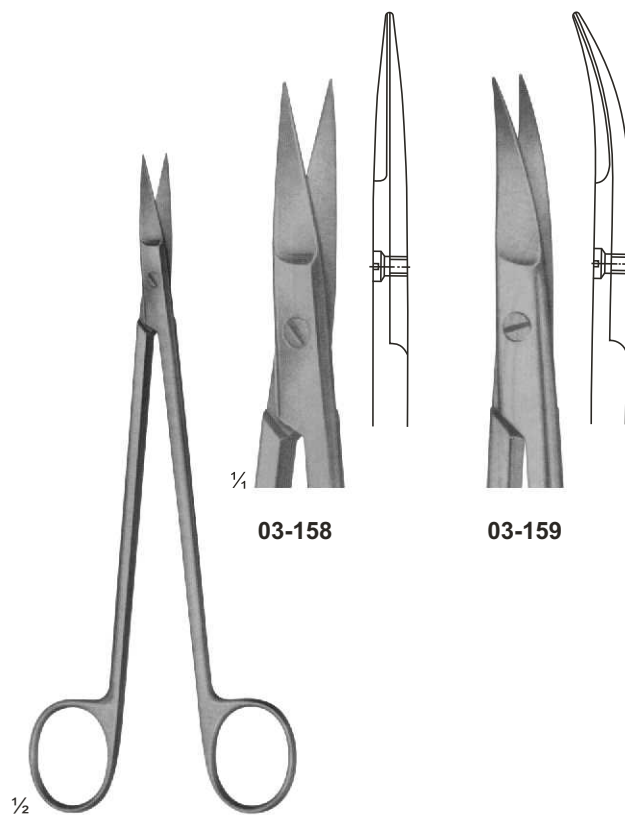
# Delicate Scissors



**03-156**

**03-157**

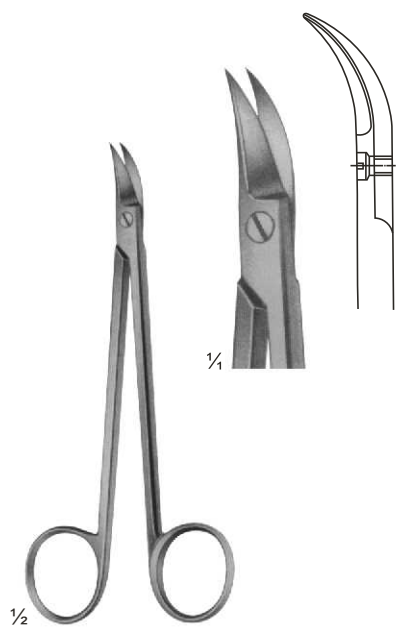
**03-156 - 157**  
JOSEPH  
Size: 150 mm



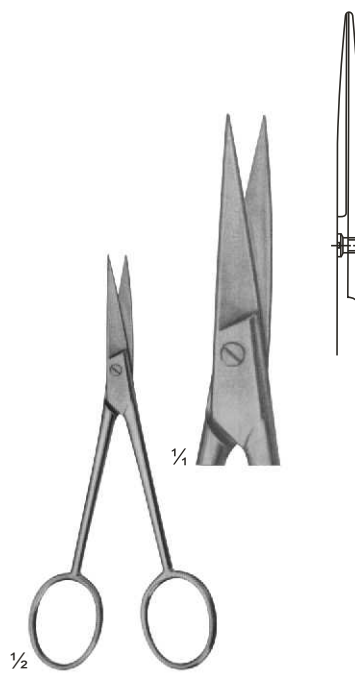
**03-158**

**03-159**

**03-158 - 159**  
KELLY  
Size: 175 mm

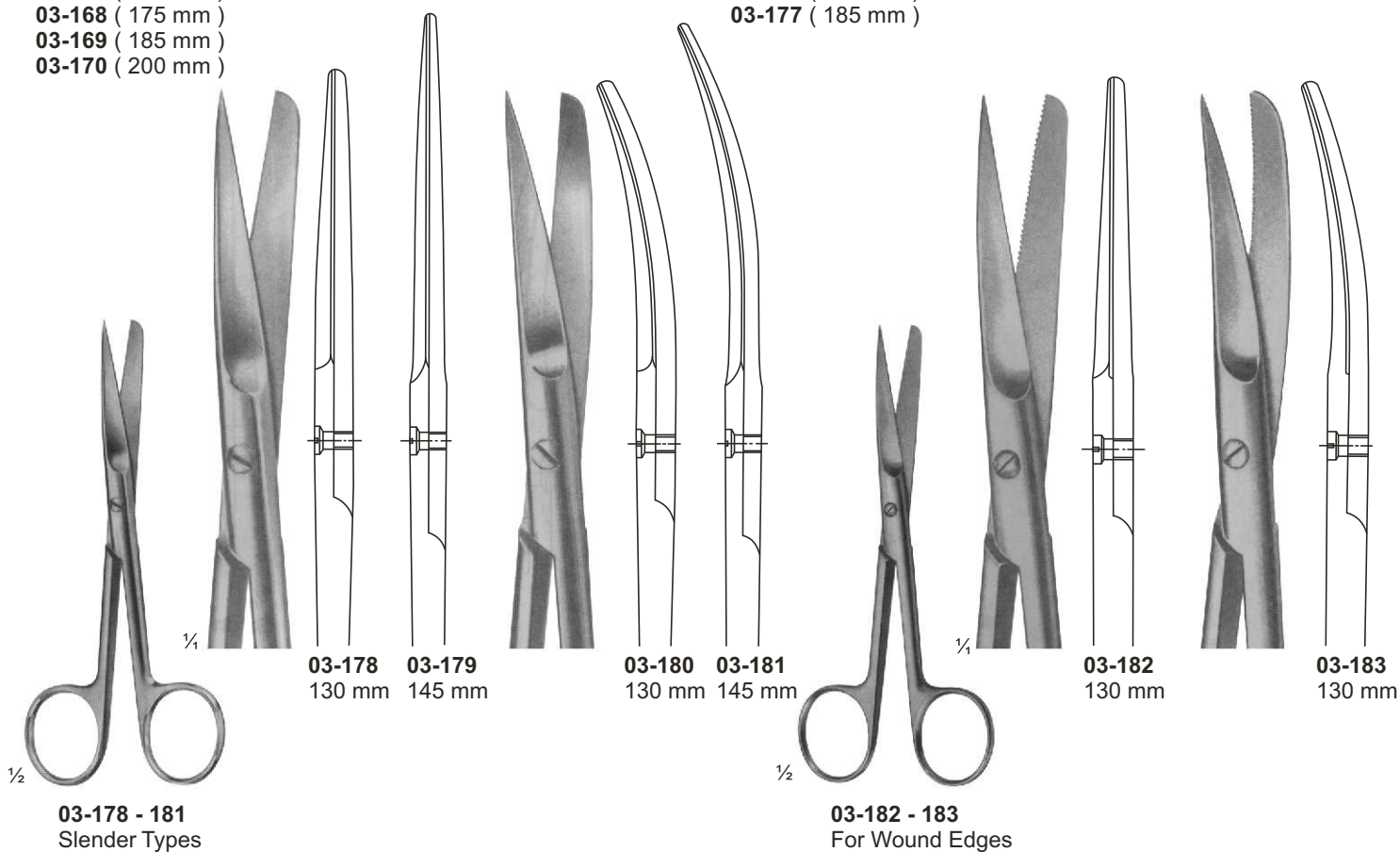
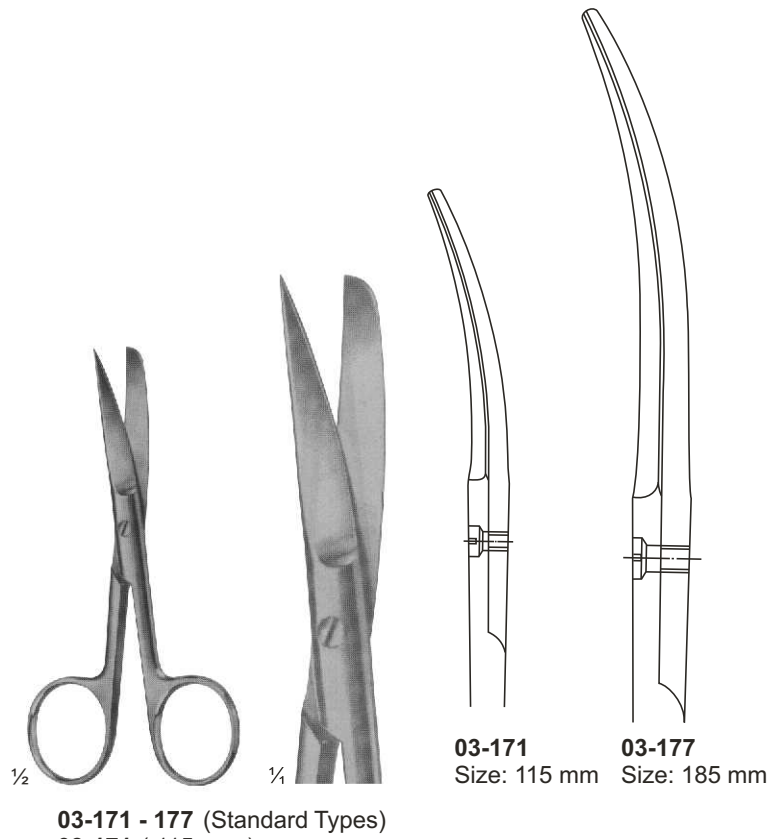
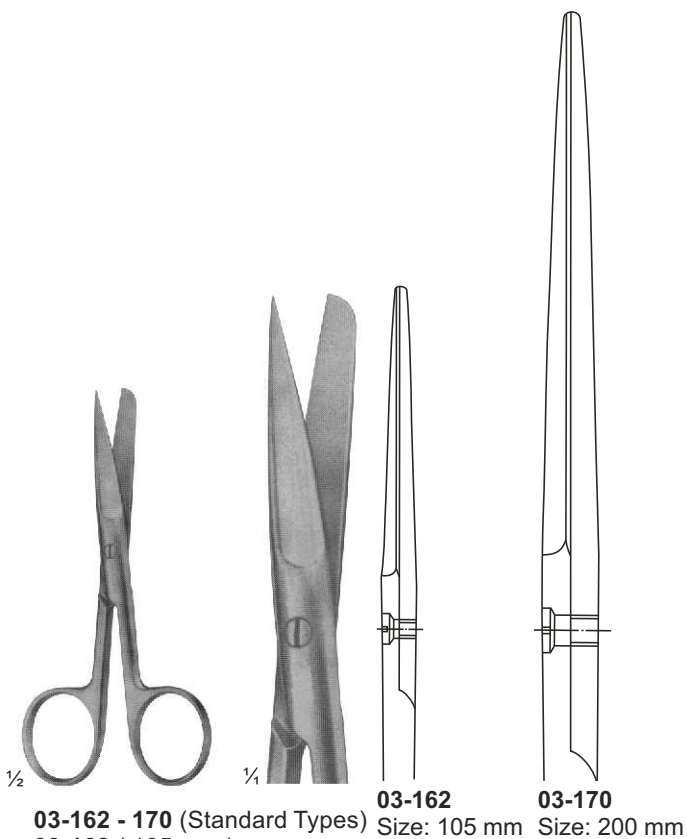


**03-160**  
QUINBY  
Size: 130 mm

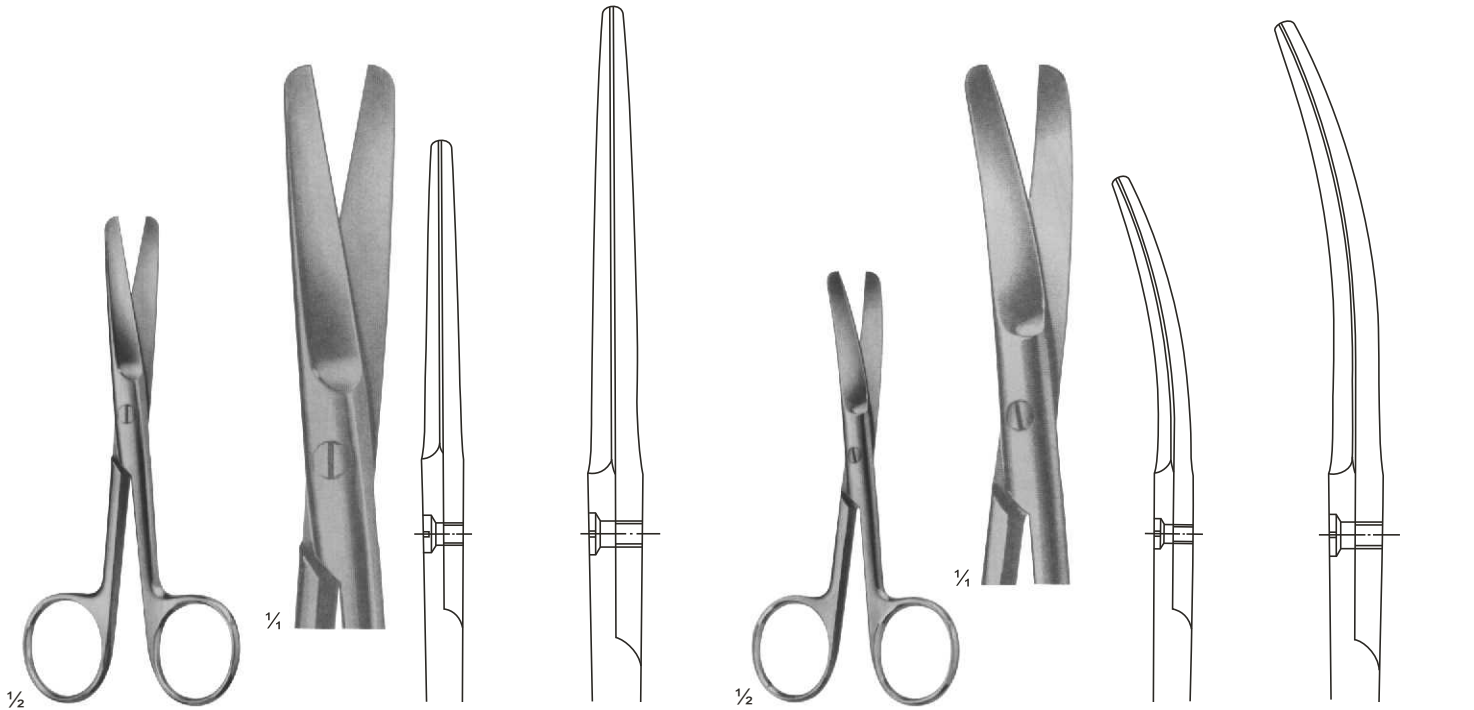


**03-161**  
Size: 110 mm

# Surgical Scissors



# Surgical Scissors

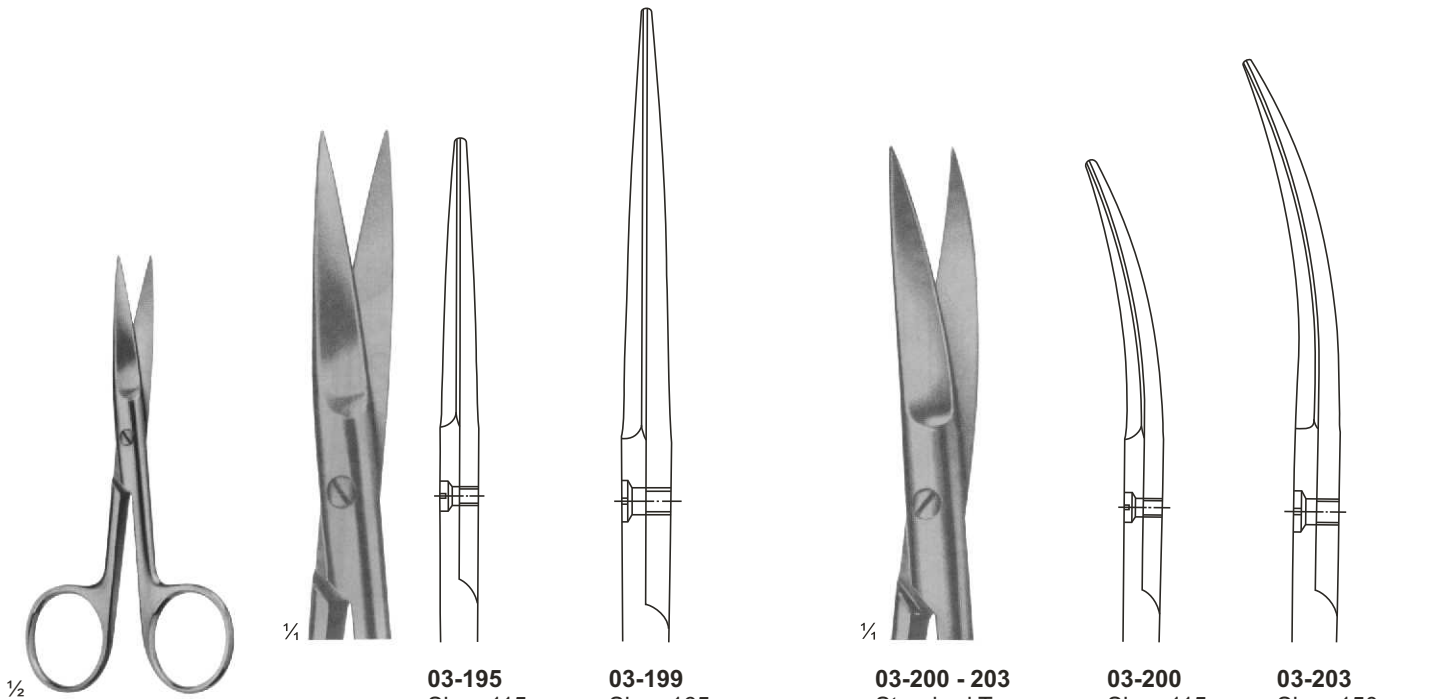


**03-184 - 188** (Standard Types)  
**03-184** ( 130 mm )  
**03-185** ( 145 mm )  
**03-186** ( 150 mm )  
**03-187** ( 165 mm )  
**03-188** ( 175 mm )

**03-184**      **03-188**  
 Size: 130 mm    Size: 175 mm

**03-189 - 194** - COOPER  
 Standard Types  
**03-189** ( 115 mm )  
**03-190** ( 130 mm )  
**03-191** ( 145 mm )  
**03-192** ( 150 mm )  
**03-193** ( 165 mm )  
**03-194** ( 175 mm )

**03-189**      **03-194**  
 Size: 115 mm    Size: 175 mm



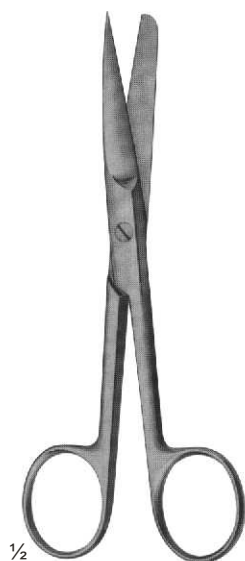
**03-195 - 199**  
 Standard Types  
**03-195** ( 115 mm )  
**03-196** ( 130 mm )  
**03-197** ( 145 mm )  
**03-198** ( 150 mm )  
**03-199** ( 165 mm )

**03-195**      **03-199**  
 Size: 115 mm    Size: 165 mm

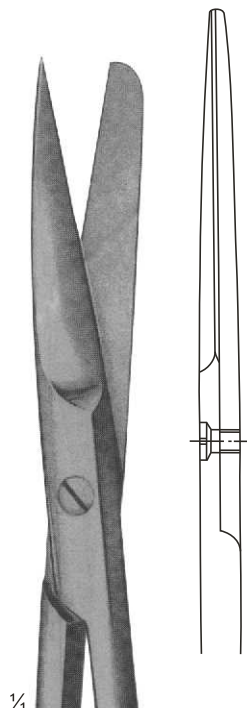
**03-200 - 203**  
 Standard Types  
**03-200** ( 115 mm )  
**03-201** ( 130 mm )  
**03-202** ( 145 mm )  
**03-203** ( 150 mm )

**03-200**      **03-203**  
 Size: 115 mm    Size: 150 mm

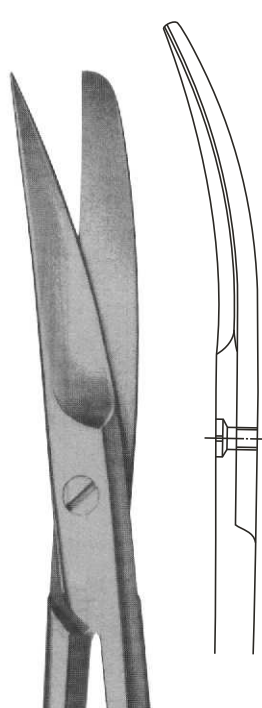
# Surgical Scissors



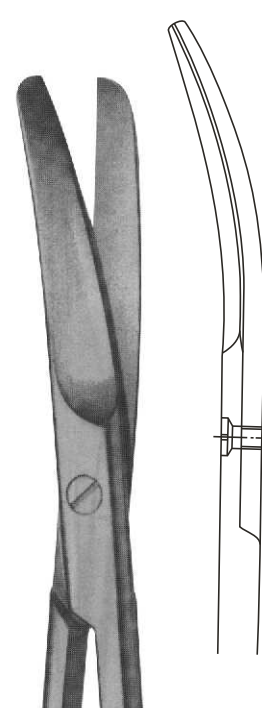
**03-204 - 206**  
DEAVER  
With flat lock



**03-204**  
Size: 145 mm



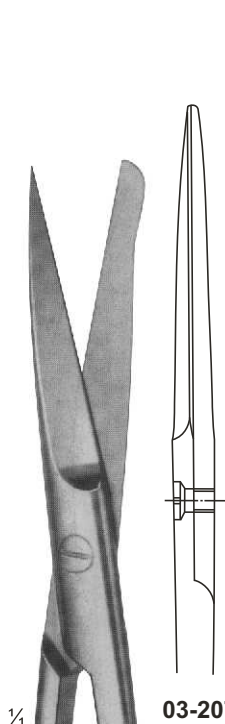
**03-205**  
Size: 145 mm



**03-206**  
Size: 145 mm



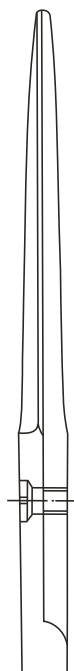
**03-207 - 209**  
Incision Scissors



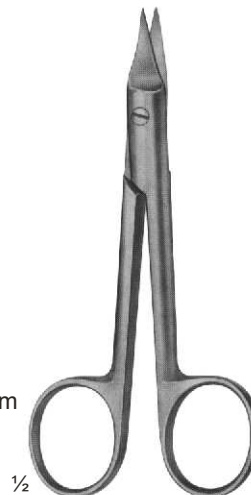
**03-207**  
Size: 130 mm



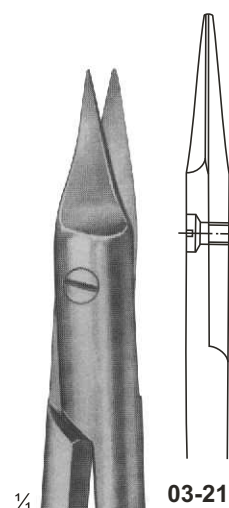
**03-208**  
Size: 145 mm



**03-209**  
Size: 165 mm

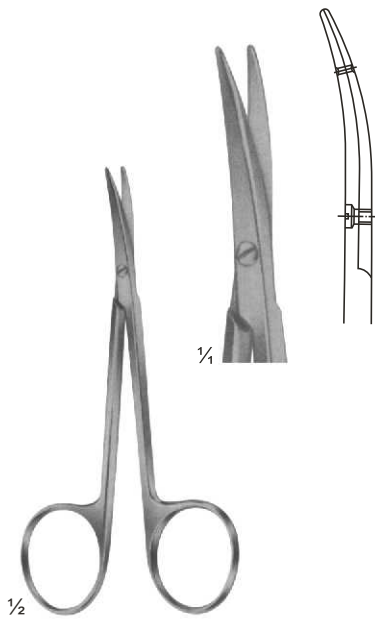


**03-210**  
SYSTRUNK  
Nail Splitting Scissors

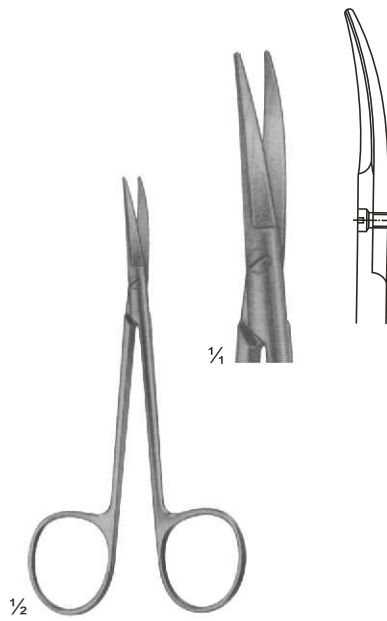


**03-210**  
Size: 130 mm

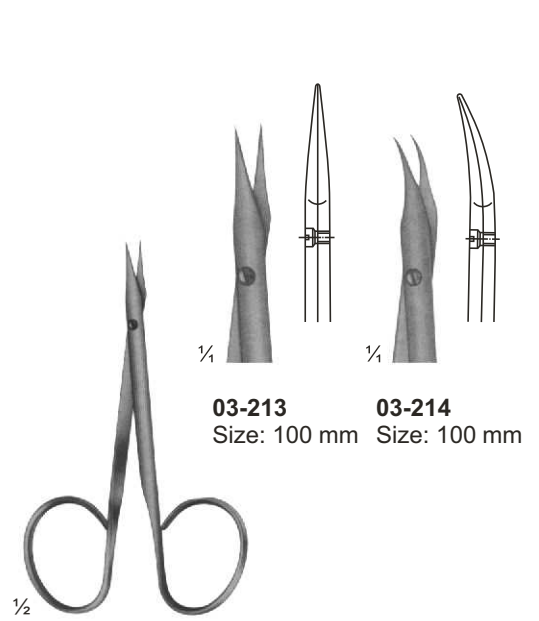
# Dissecting Scissors



**03-211**  
LITTLER  
Dissecting Scissors  
Tips with eye for suture  
Size: 115 mm

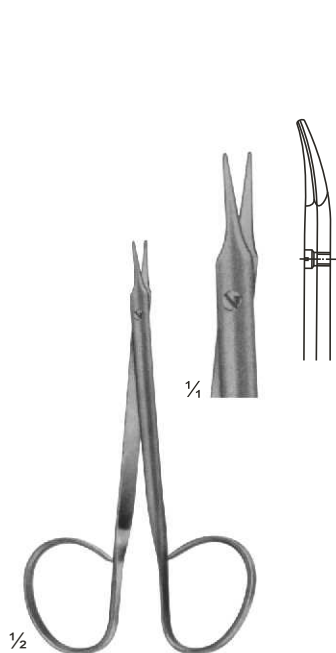


**03-212**  
COTTLE  
Bulldog Scissors  
Size: 115 mm

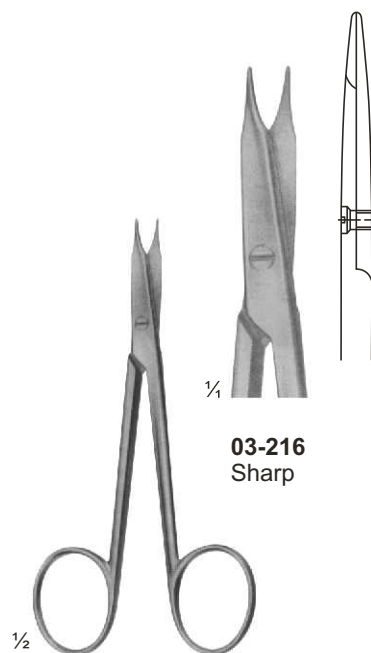


**03-213**      **03-214**  
Size: 100 mm    Size: 100 mm

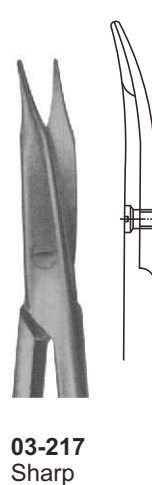
**03-213 - 214**  
STEVENS  
Vessel and tendon Scissors  
Size: 100 mm



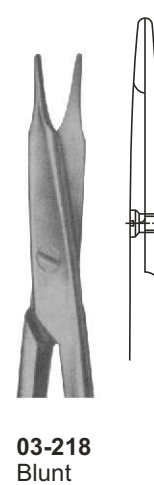
**03-215**  
STEVENS  
Fine Dissecting Scissors  
Size: 110 mm



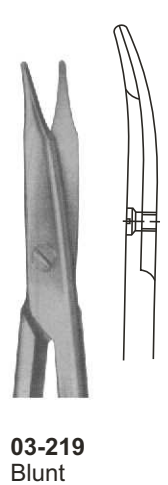
**03-216 - 219**  
STEVENS  
Vessel and tendon Scissors  
Size: 110 mm



**03-217**  
Sharp



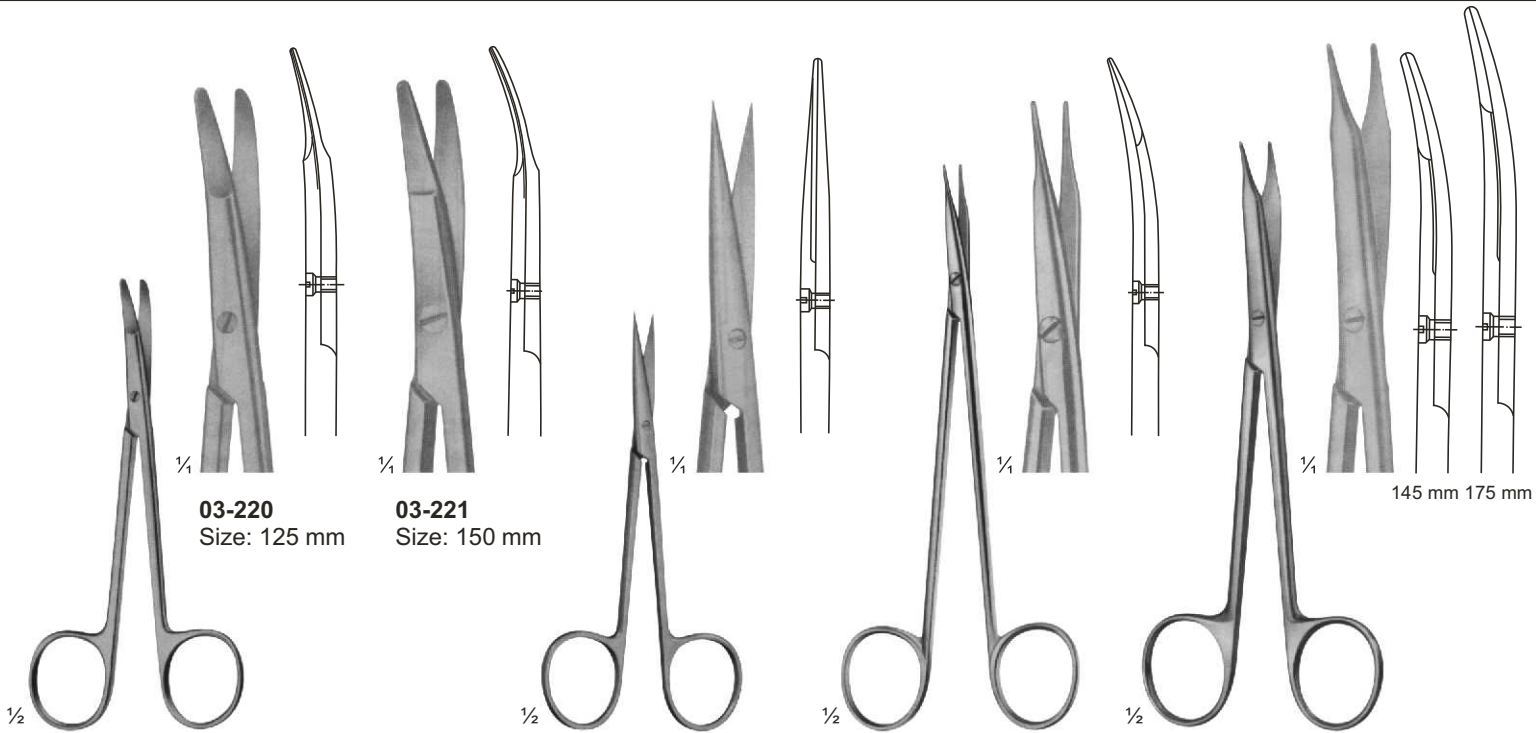
**03-218**  
Blunt



**03-219**  
Blunt



# Dissecting Scissors

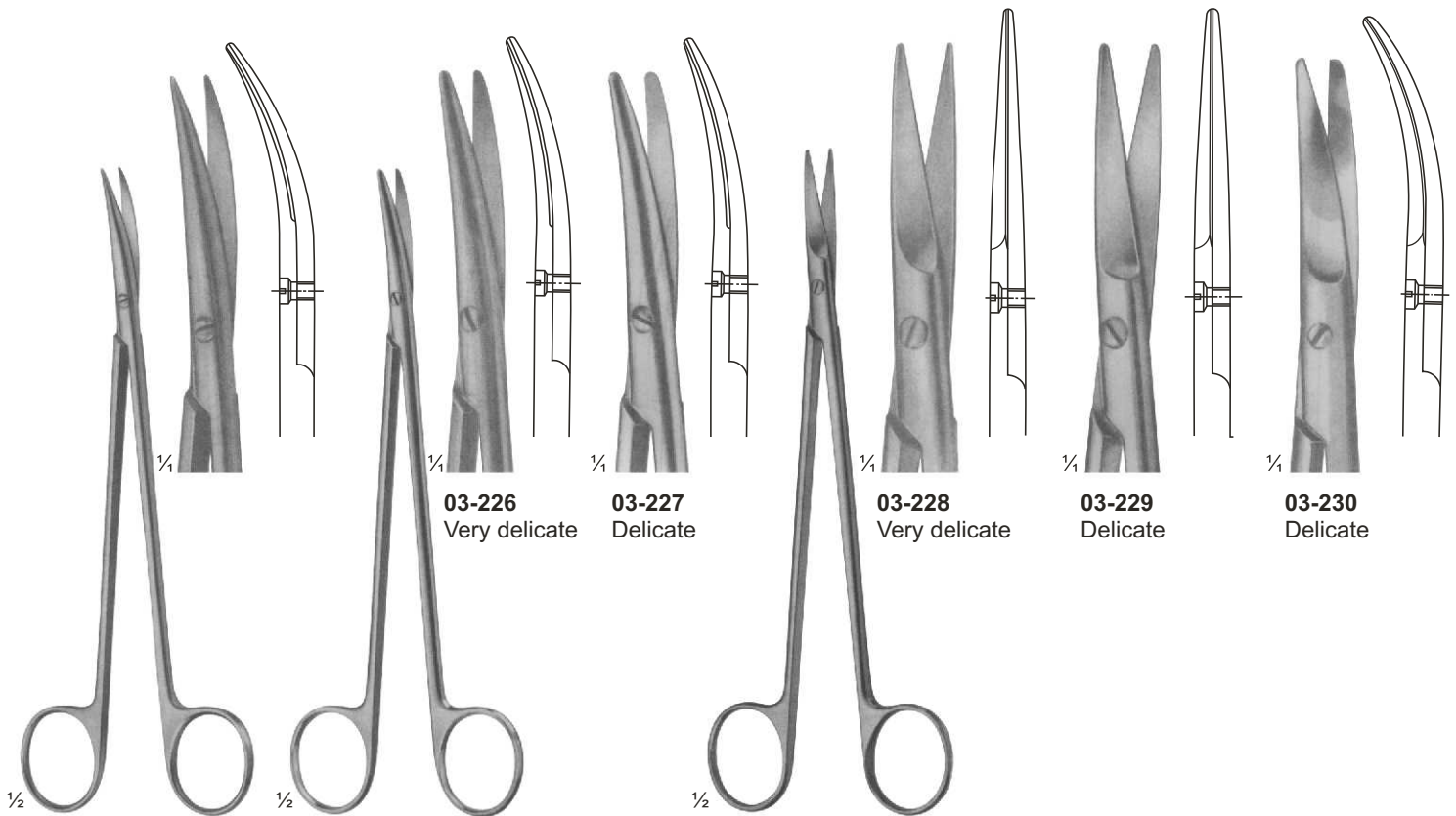


**03-220 - 221**  
KILNER  
Special flat points for dissecting and undermining the skin

**03-222**  
KILNER  
Fine dissecting scissors  
Size: 115 mm

**03-223**  
JAMESON  
Dissecting scissors  
Size: 150 mm

**03-224**  
REYNOLDS  
Dissecting scissors  
Size: 145 - 175 mm

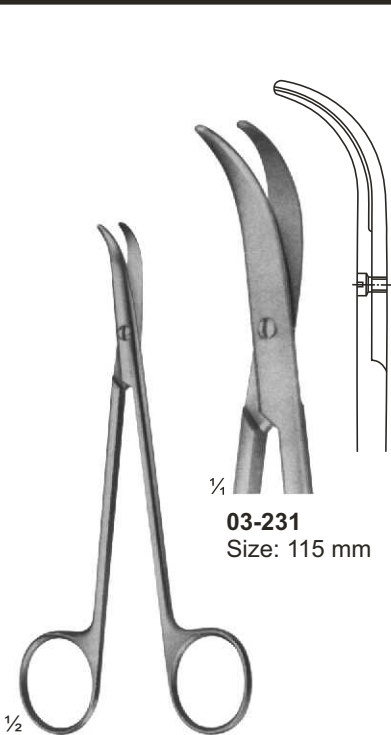


**03-225**  
DE BAKEY  
Ateriotomy scissors  
Size: 175 mm

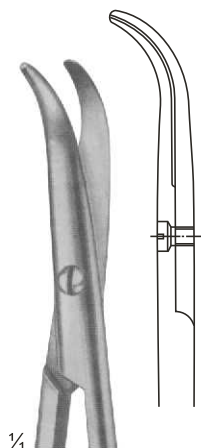
**03-226 - 227**  
TOENNISADSON  
Dissecting scissors  
Size: 175 mm

**03-228 - 230**  
TOENNIS  
Dissecting scissors  
Size: 150 mm

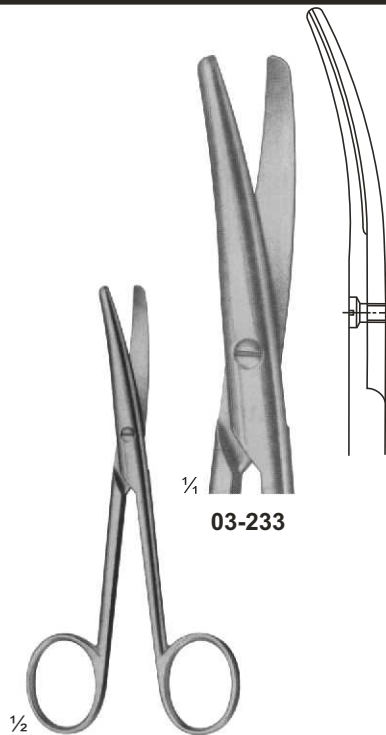
# Dissecting & Surgical Scissors



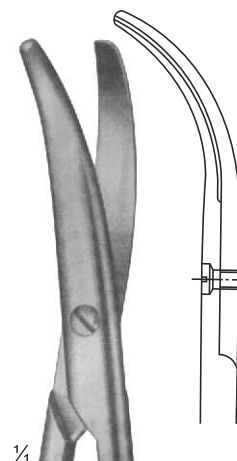
**03-231**  
Size: 115 mm



**03-232**  
Size: 135 mm



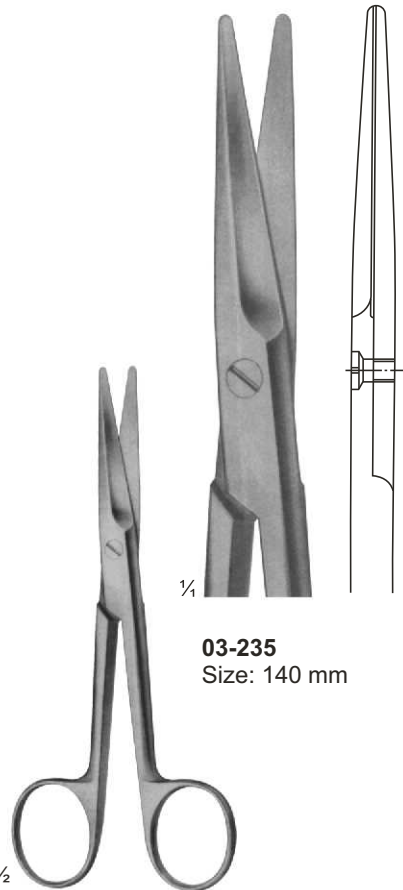
**03-233**



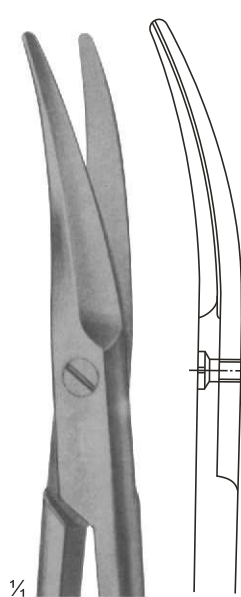
**03-234**

**03-231 - 232**  
FOMON  
Lower lateral scissors

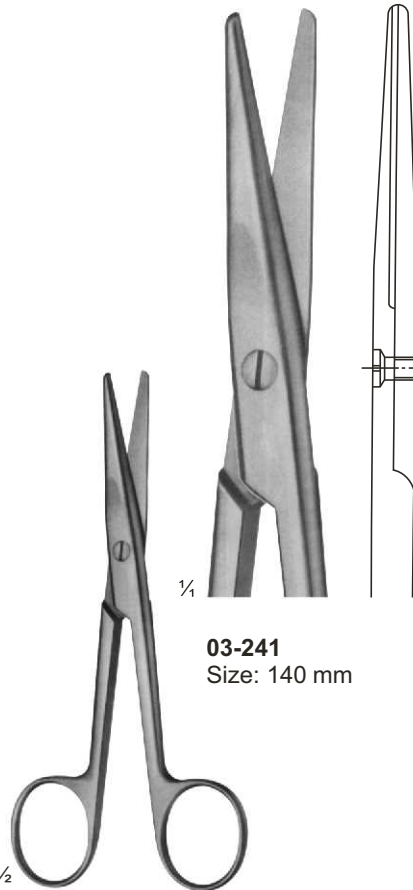
**03-233 - 234**  
LANDOLT  
Enucleation scissors  
Size: 120 mm



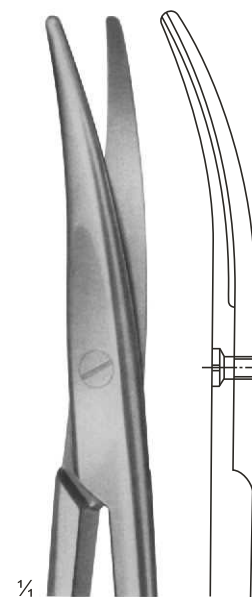
**03-235**  
Size: 140 mm



**03-238 - 240**  
MAYO  
03-238 (140 mm)  
03-239 (155 mm)  
03-240 (170 mm)



**03-241**  
Size: 140 mm

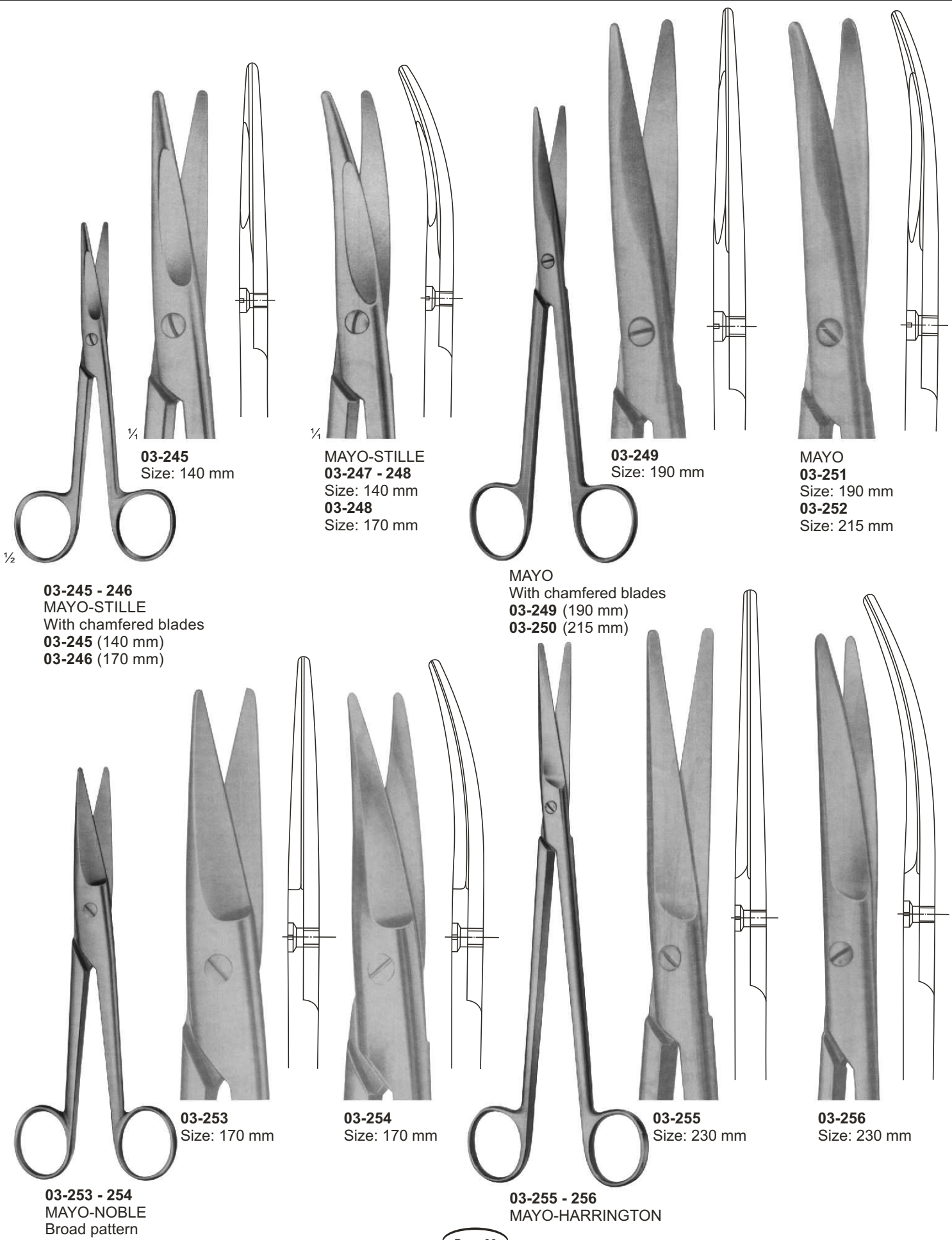


**03-243 - 244**  
MAYO-STILLE  
03-243 (140 mm)  
03-244 (170 mm)

**03-235 - 237**  
MAYO  
03-235 (140 mm)  
03-236 (155 mm)  
03-237 (170 mm)

**03-241 - 242**  
MAYO-STILLE  
03-241 (140 mm)  
03-242 (170 mm)

# Dissecting Scissors



**03-245**  
Size: 140 mm

**MAYO-STILLE**  
**03-247 - 248**  
Size: 140 mm  
**03-248**  
Size: 170 mm

**03-249**  
Size: 190 mm

**MAYO**  
**03-251**  
Size: 190 mm  
**03-252**  
Size: 215 mm

**03-245 - 246**  
**MAYO-STILLE**  
With chamfered blades  
**03-245** (140 mm)  
**03-246** (170 mm)

**MAYO**  
With chamfered blades  
**03-249** (190 mm)  
**03-250** (215 mm)

**03-253**  
Size: 170 mm

**03-254**  
Size: 170 mm

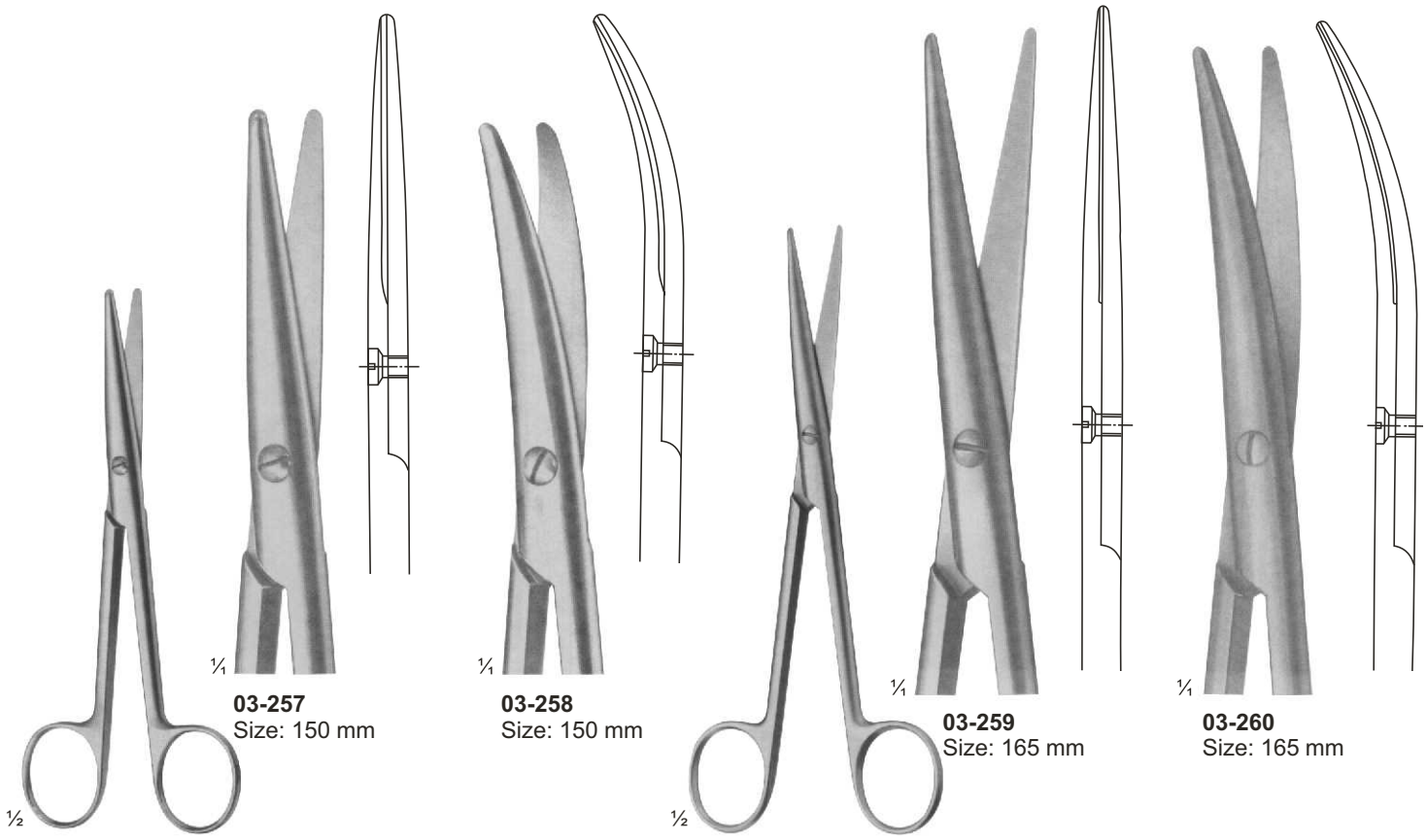
**03-255**  
Size: 230 mm

**03-256**  
Size: 230 mm

**03-253 - 254**  
**MAYO-NOBLE**  
Broad pattern

**03-255 - 256**  
**MAYO-HARRINGTON**

# Dissecting Scissors



**03-257**  
Size: 150 mm

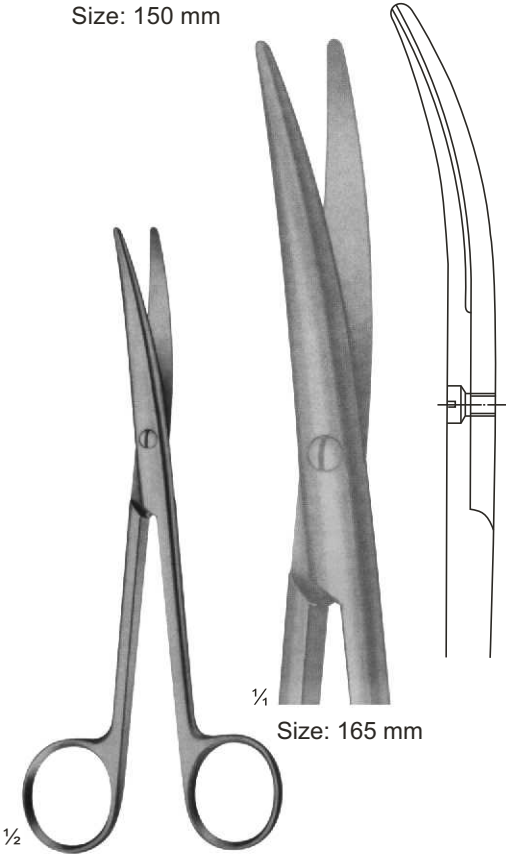
**03-258**  
Size: 150 mm

**03-259**  
Size: 165 mm

**03-260**  
Size: 165 mm

**03-257 - 258**  
STILLE  
Size: 150 mm

**03-259 - 260**  
LEXER  
Narrow  
Size: 165 mm



Size: 165 mm

**03-262**  
Size: 165 mm

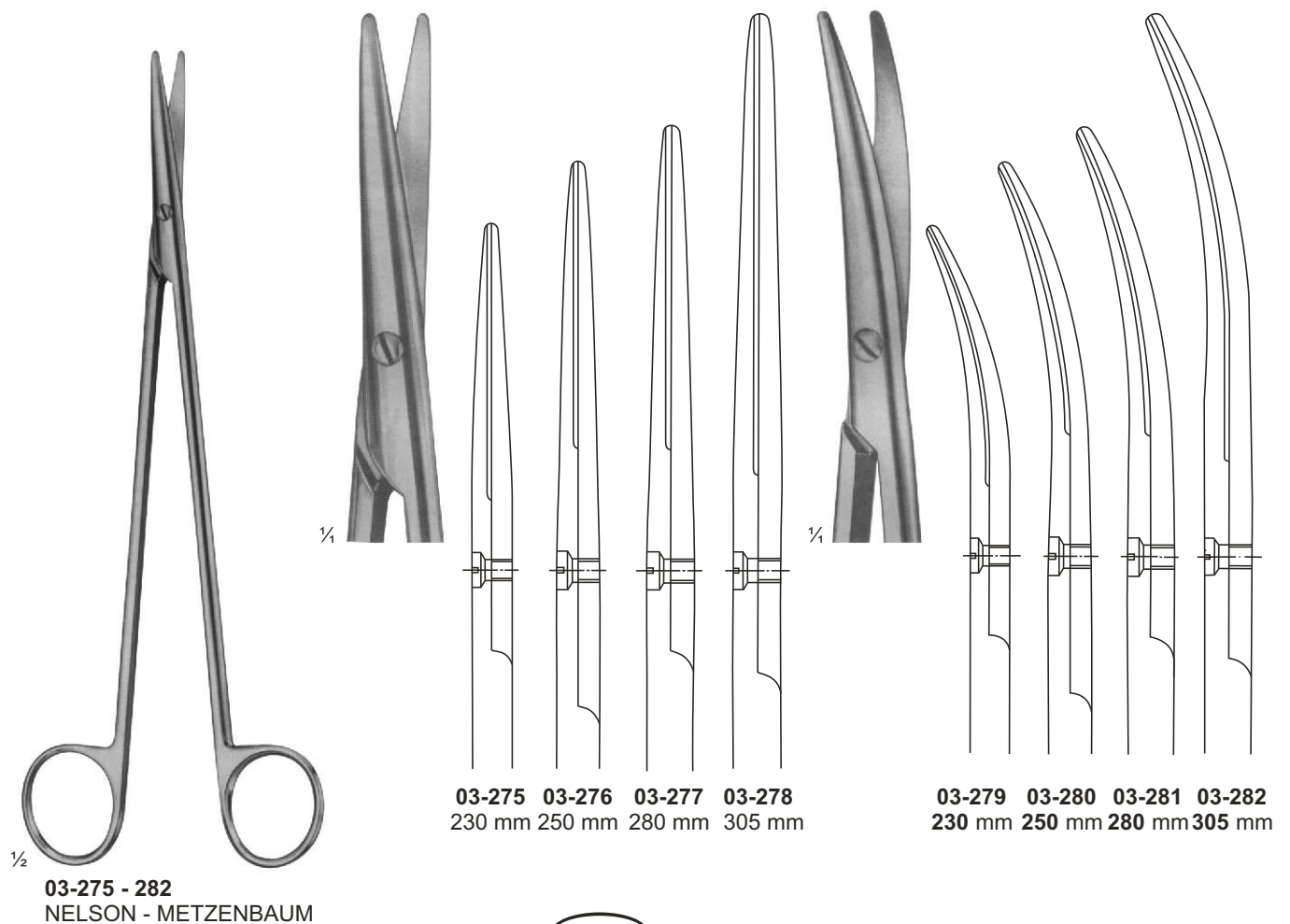
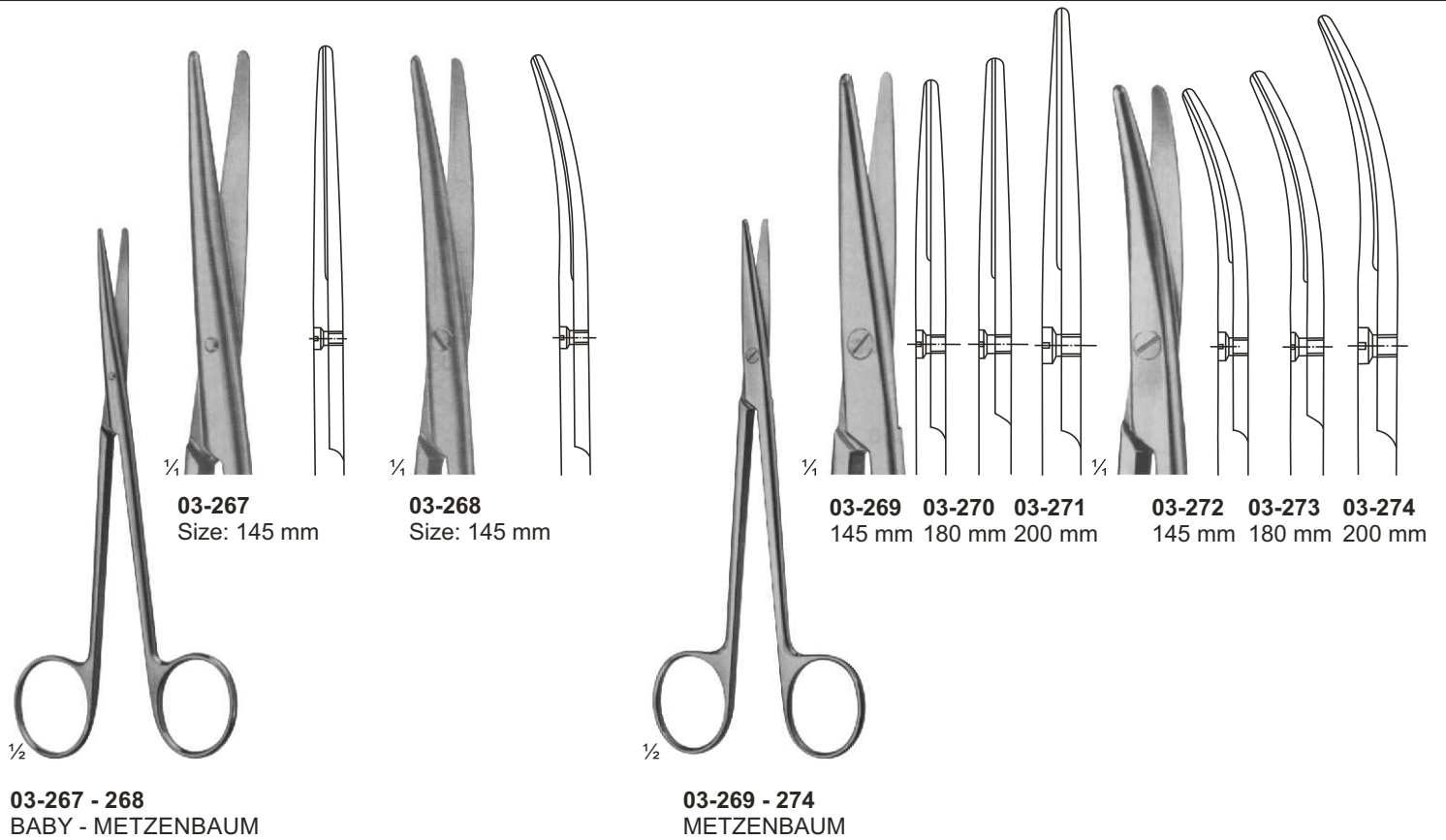
**MAYO**  
**03-264 - 266**  
Size: 165 mm

**03-261**  
MAYO-LEXER  
Standard

**03-262 - 263**  
MAYO  
**03-262** (165 mm)  
**03-263** (200 mm)

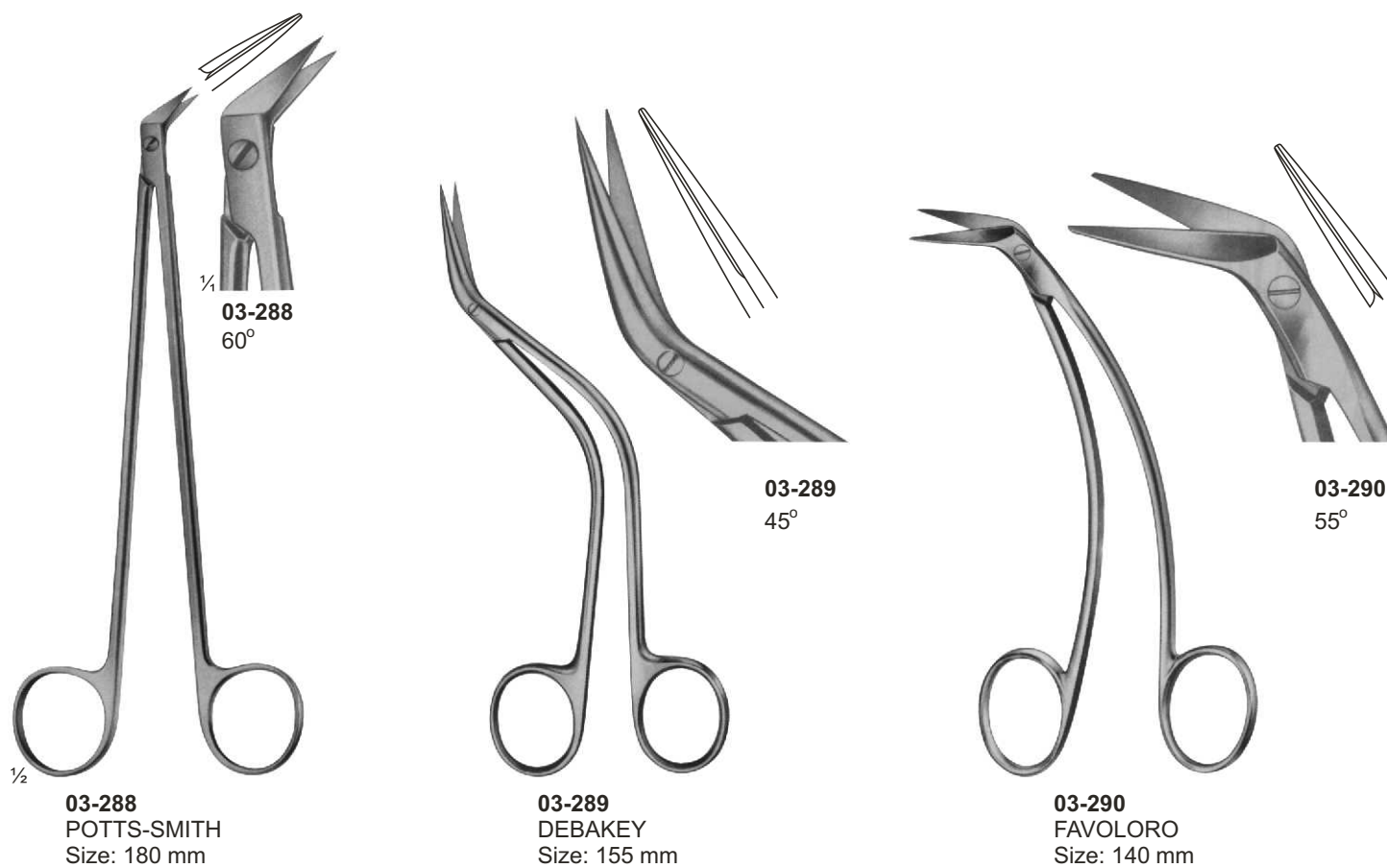
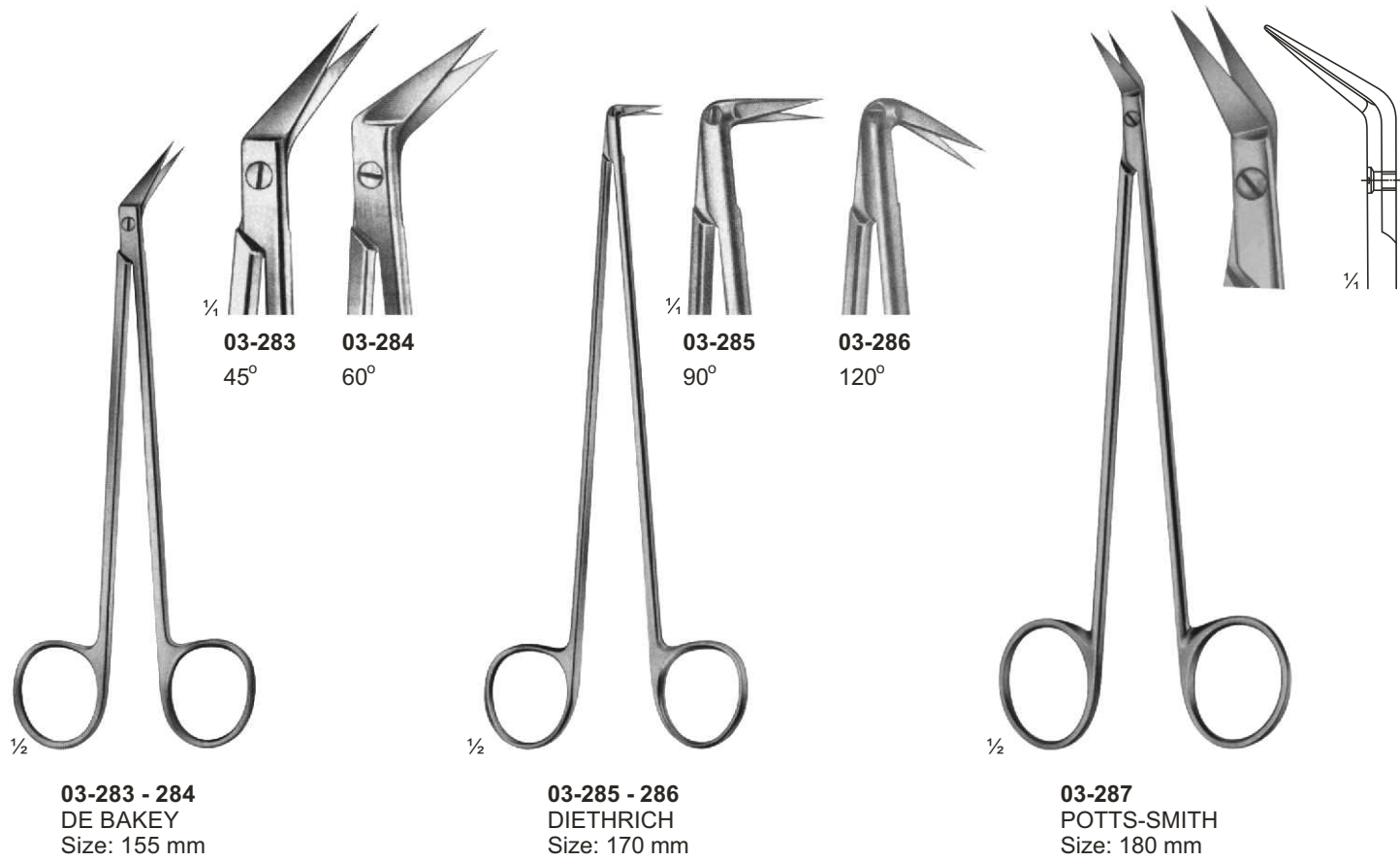
**03-265**  
Size: 200 mm  
**03-266**  
Size: 210 mm

# Dissecting Scissors





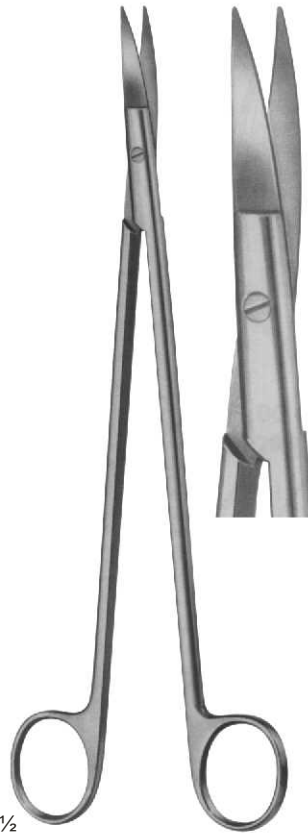
# Vessel Scissors



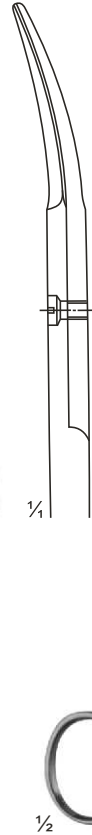
# Cardiovascular and Neuro-Surgery Scissors



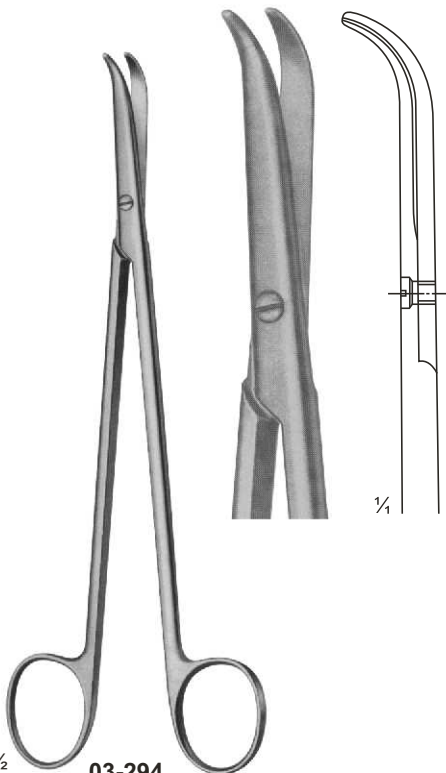
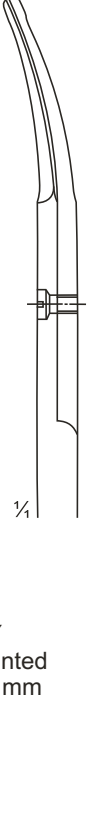
**03-291**  
OLIVECRONA  
Dura Scissors



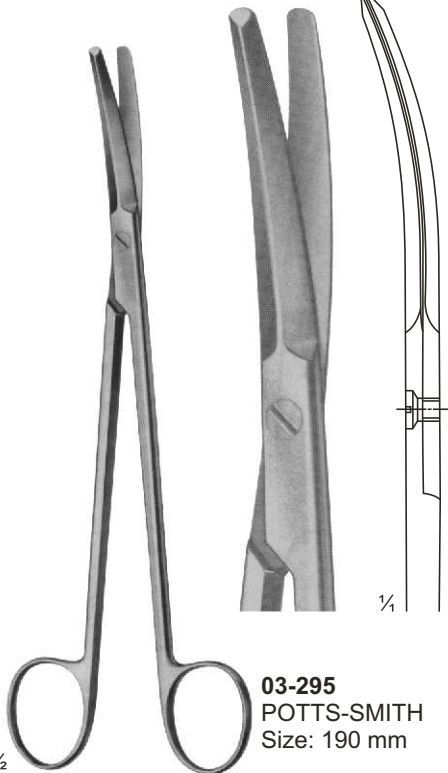
**03-292**  
STRULLY  
Pointed  
Size: 220 mm



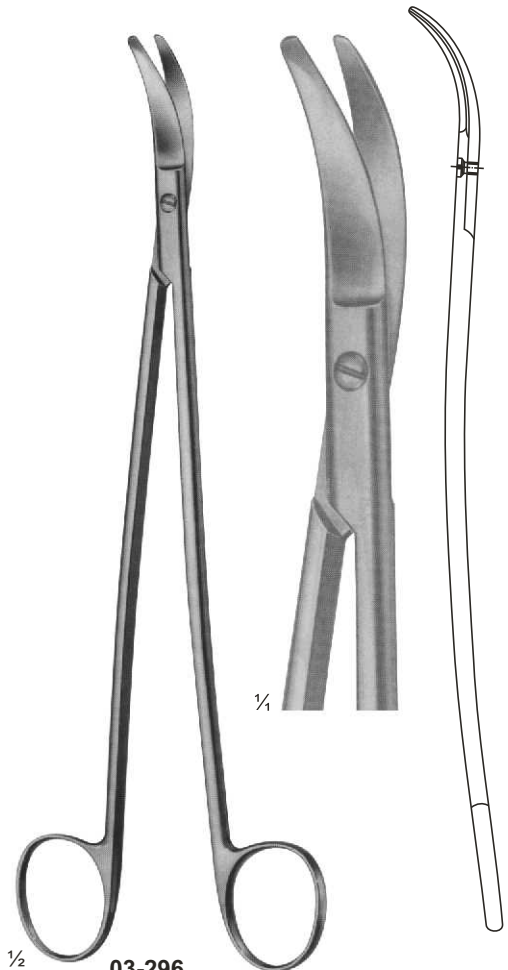
**03-293**  
STRULLY  
Probe Pointed  
Size: 220 mm



**03-294**  
THOREK  
Size: 180 mm

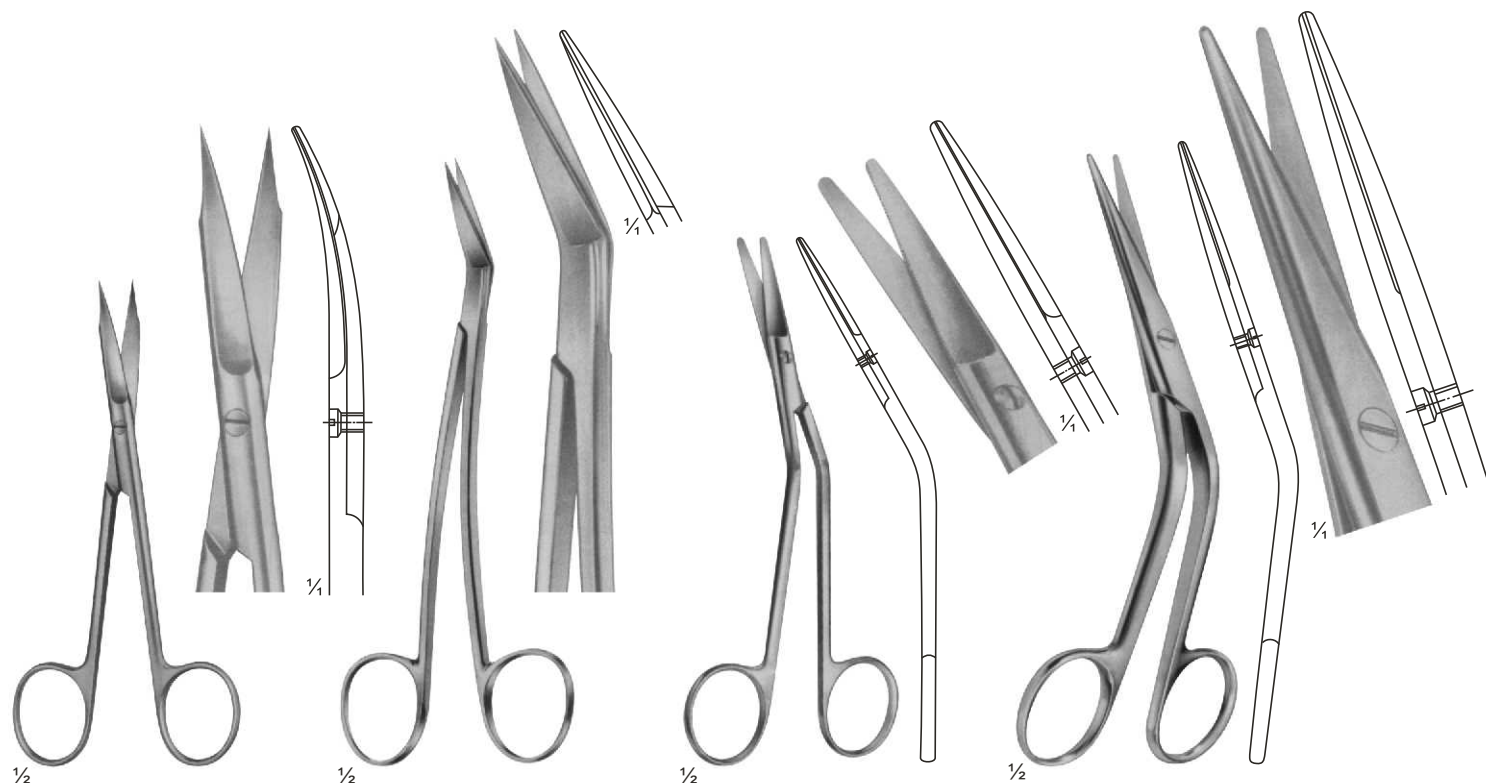


**03-295**  
POTTS-SMITH  
Size: 190 mm



**03-296**  
SATINSKY  
Size: 245 mm

# Delicate, Nasal and Tonsil Scissors

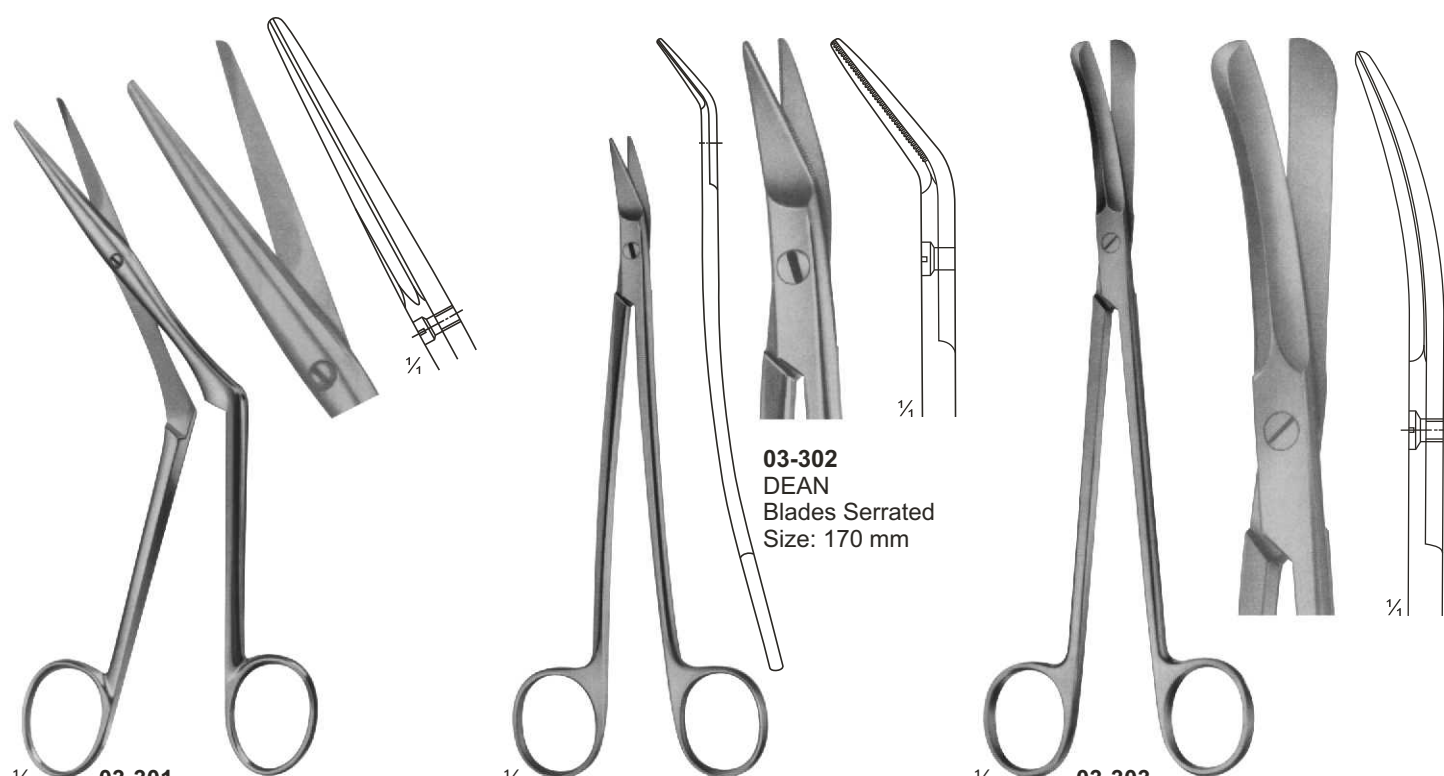


**03-297**  
1 Finely Toothed Blade  
Size: 130 mm

**03-298**  
LOCKLIN  
Curved Sideways,  
1 Toothed Blade  
Size: 155 mm

**03-299**  
FOMON  
Blades Serrated  
Size: 145 mm

**03-300**  
COTTLE  
Size: 165 mm

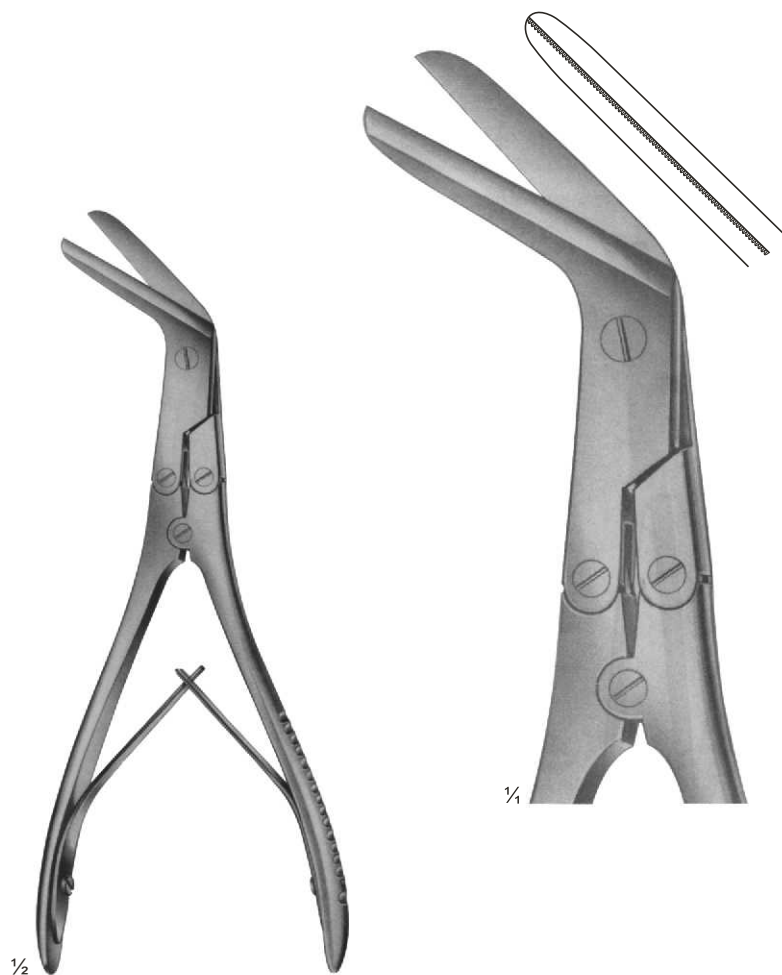


**03-301**  
HEYMAN-KNIGHT  
Size: 175 mm

**03-302**  
DEAN  
Blades Serrated  
Size: 170 mm

**03-303**  
GOOD  
Size: 195 mm

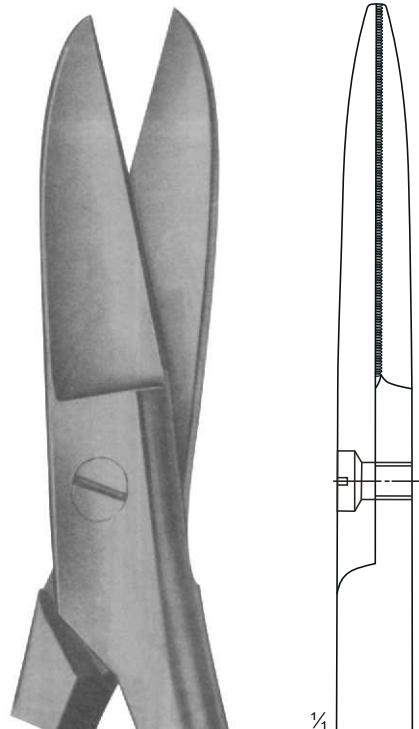
# Bone Shears



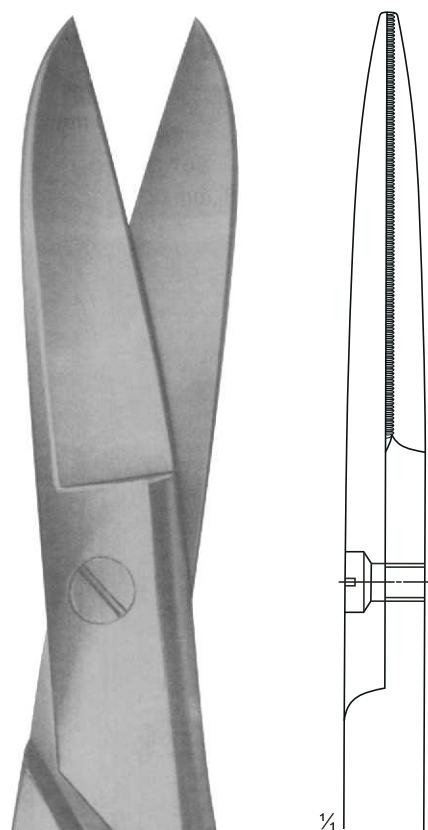
**03-304**  
KILLIAN  
Size: 200 mm



**03-305 - 306**



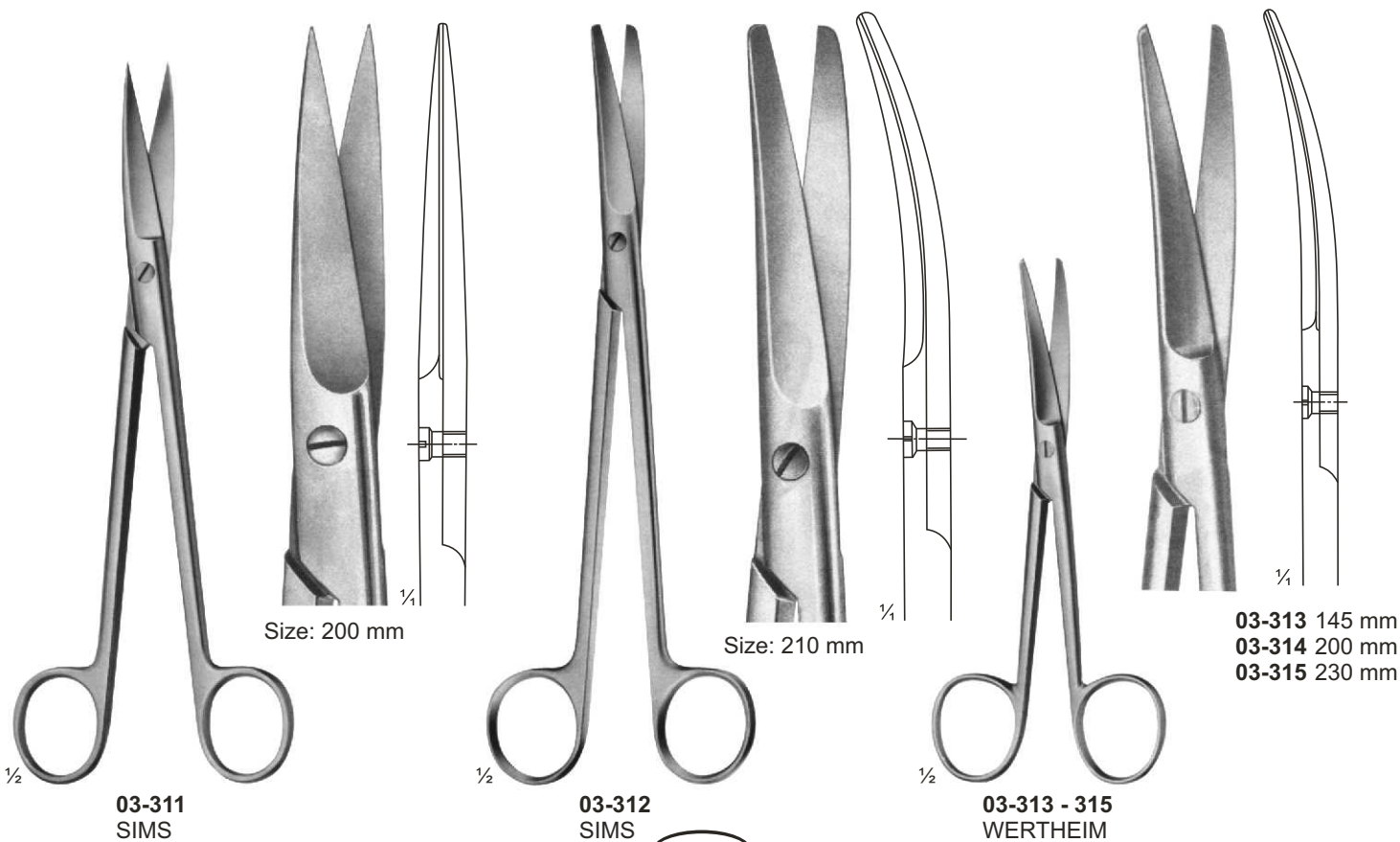
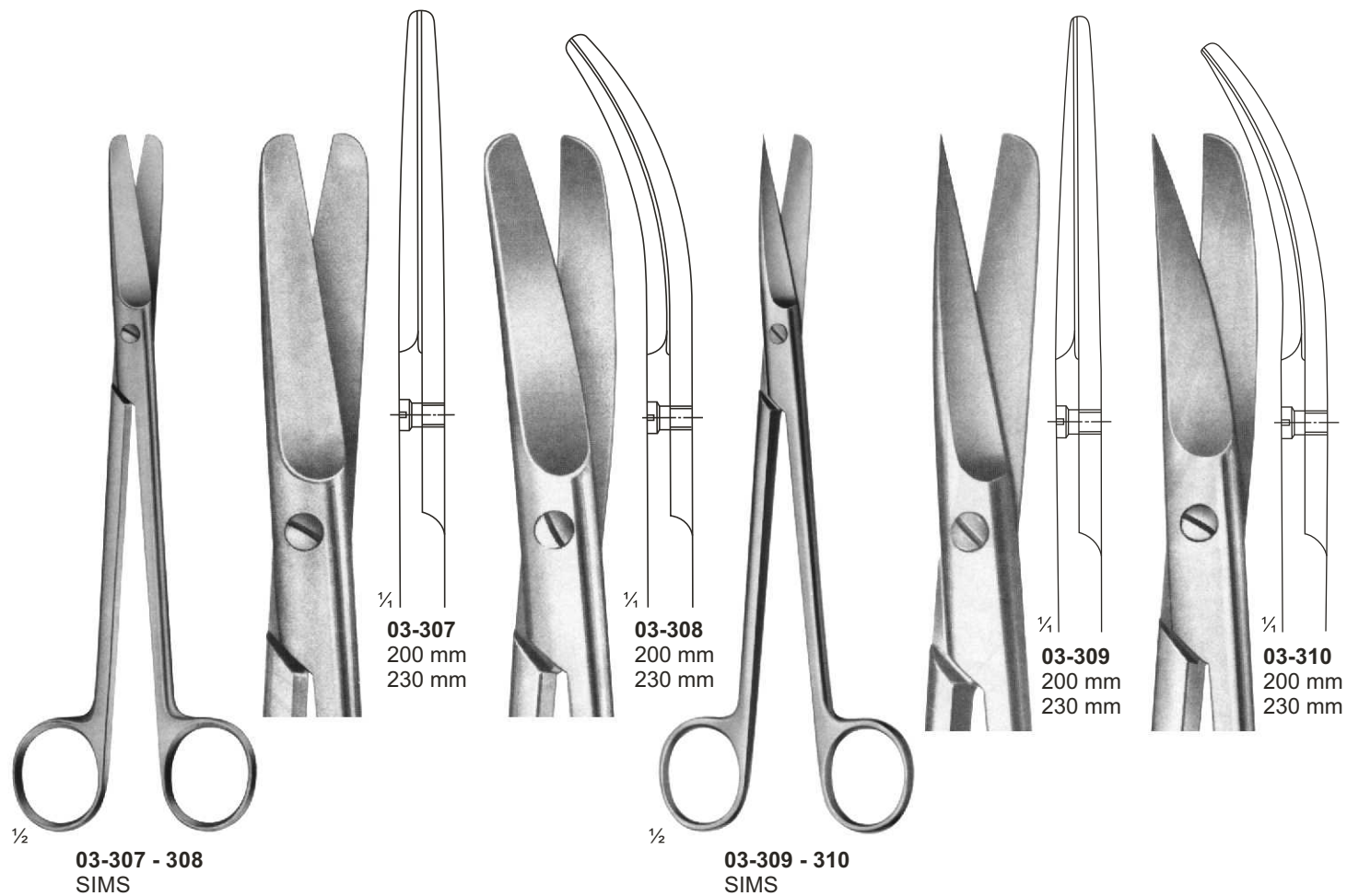
**03-305**  
195 mm



**03-306**  
225 mm

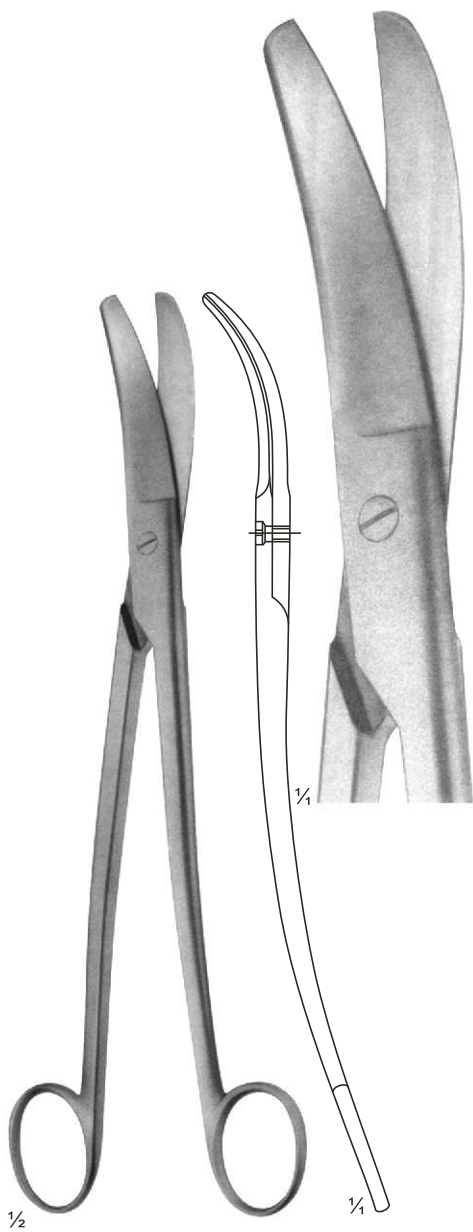


# Operating and Gynaecology Scissors

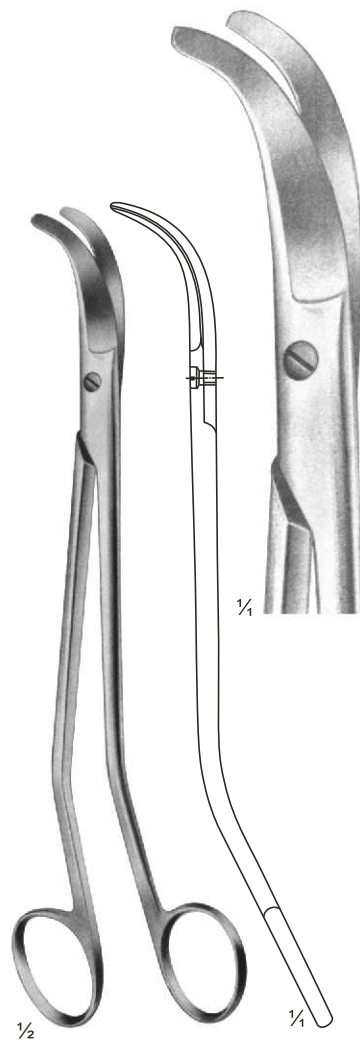




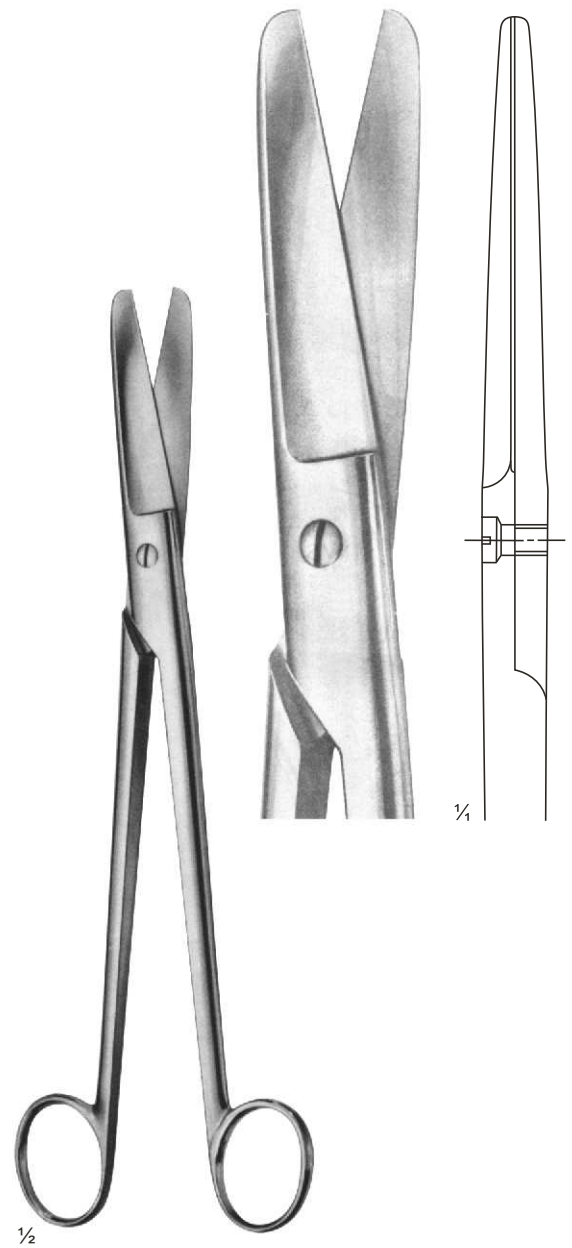
# Operating and Gynaecology Scissors



**03-316**  
**SIEBOLD**  
 Uterine Scissors  
 Size: 245 mm

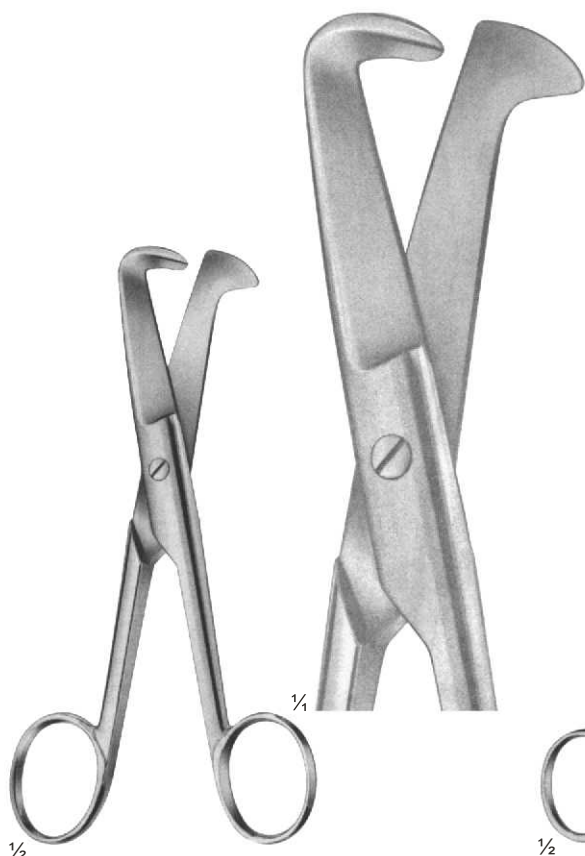


**03-317**  
**BOZEMANN**  
 Uterine Scissors  
 Size: 220 mm

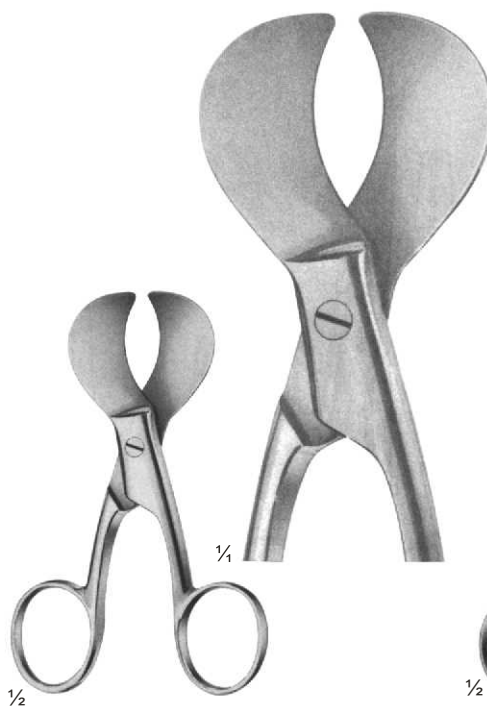


**03-318**  
**SIMS-SIEBOLD**  
 Uterine Scissors  
 Size: 250 mm

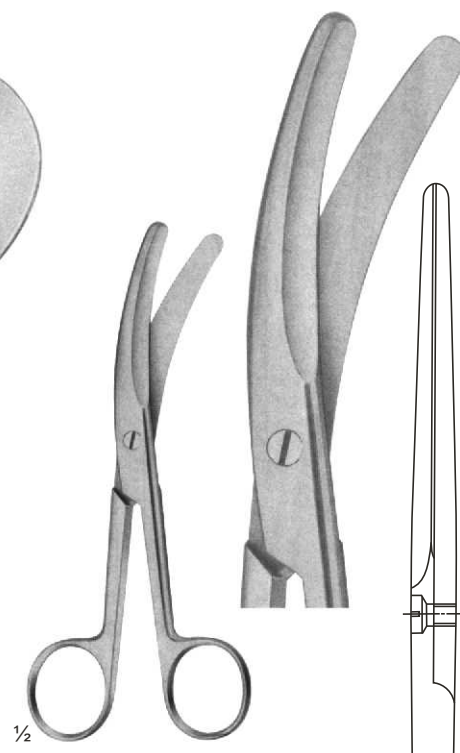
# Operating and Gynaecology Scissors



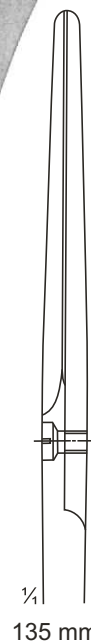
**03-319**  
**SCHUMACHER**  
 Umbilical Cord Scissors  
 Size: 155 mm



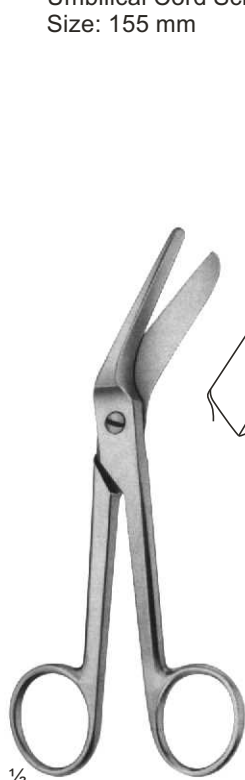
**03-320**  
 Umbilical Cord Scissors  
 Size: 105 mm



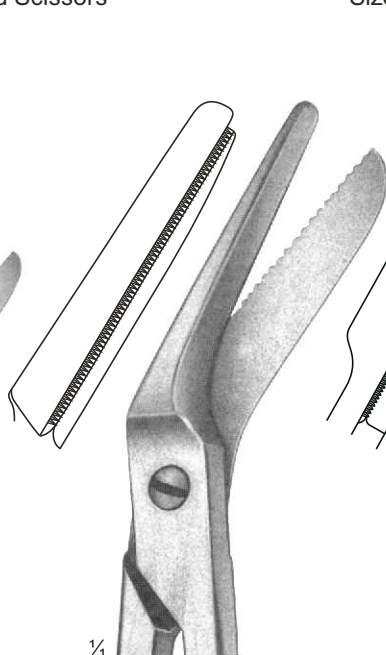
**03-321**  
 Umbilical Cord Scissors



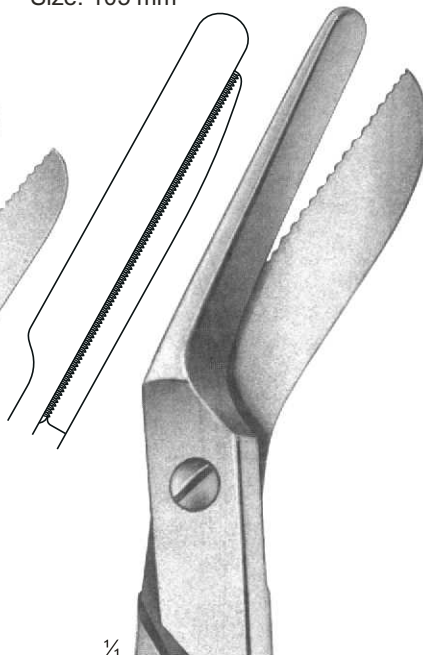
1/4  
 135 mm



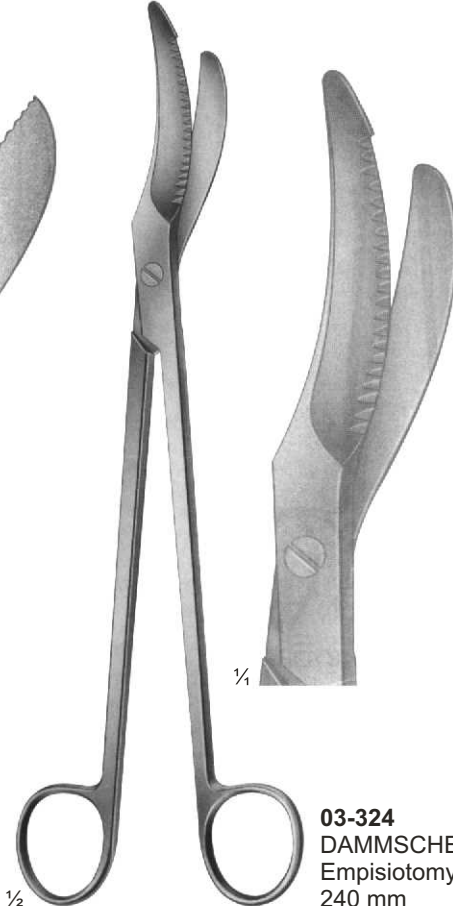
**03-322 - 323**  
**BRAUN-STADLER**  
 Empisiotomy Scissors



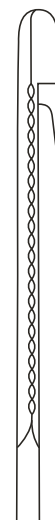
**03-322**  
 145 mm



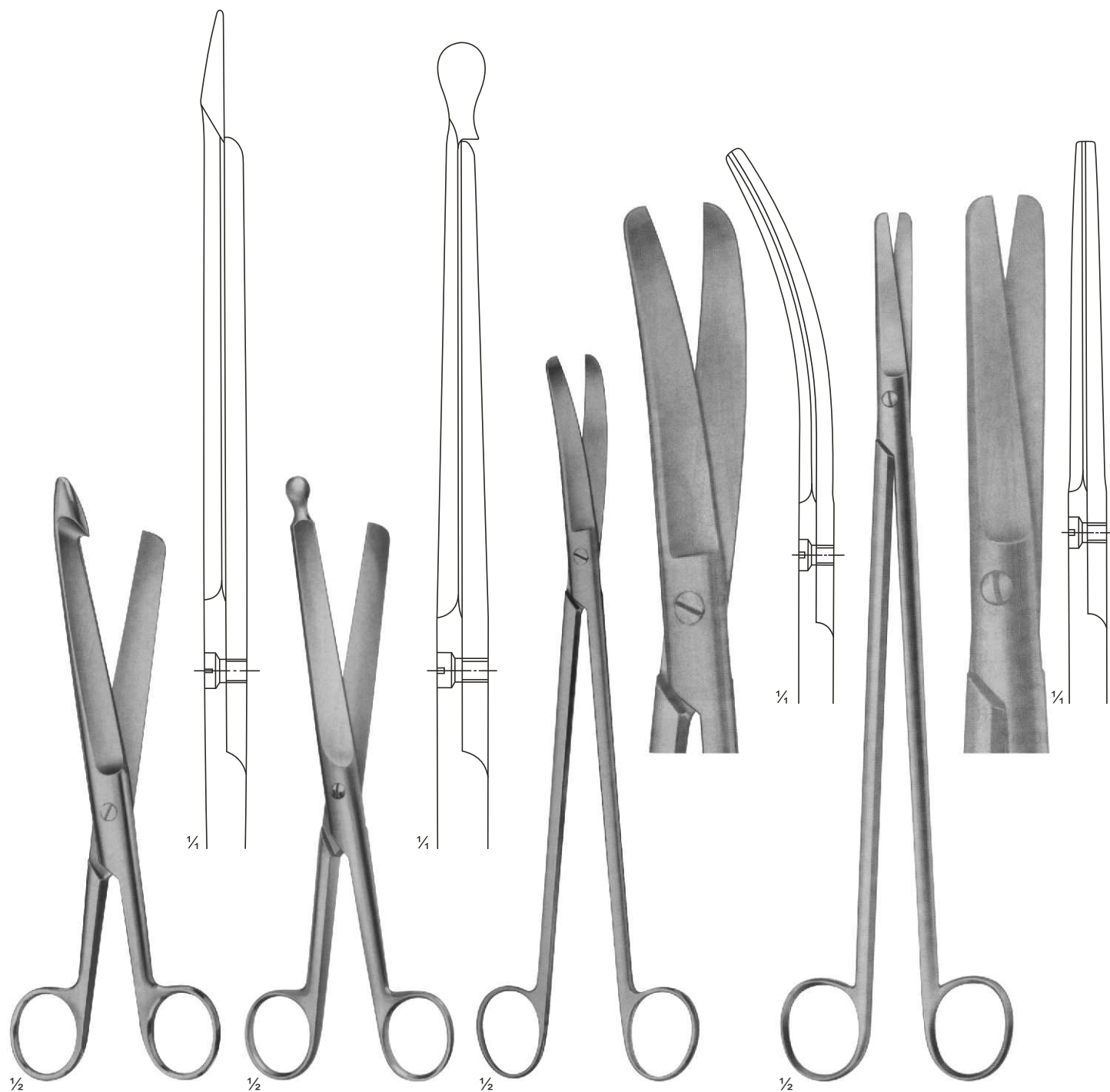
**03-323**  
 200 mm



**03-324**  
**DAMMSCHERE**  
 Empisiotomy Scissors  
 240 mm



## Bowel Scissors, Cartilage Scissors



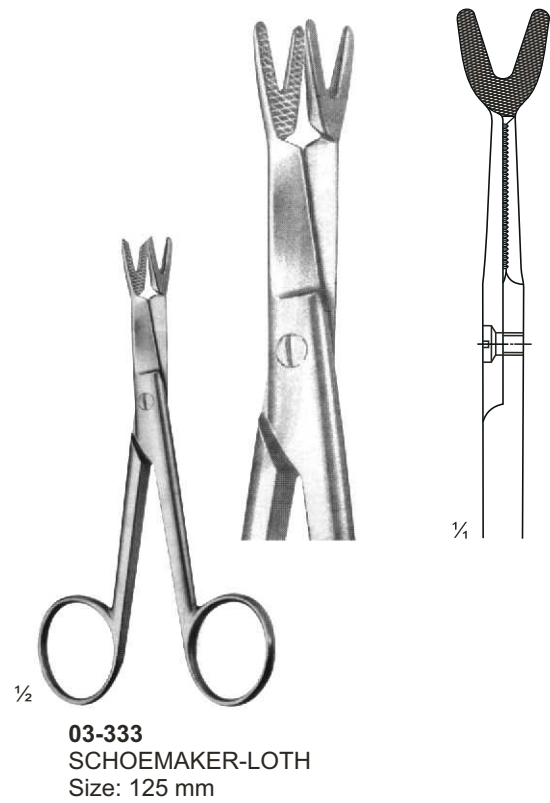
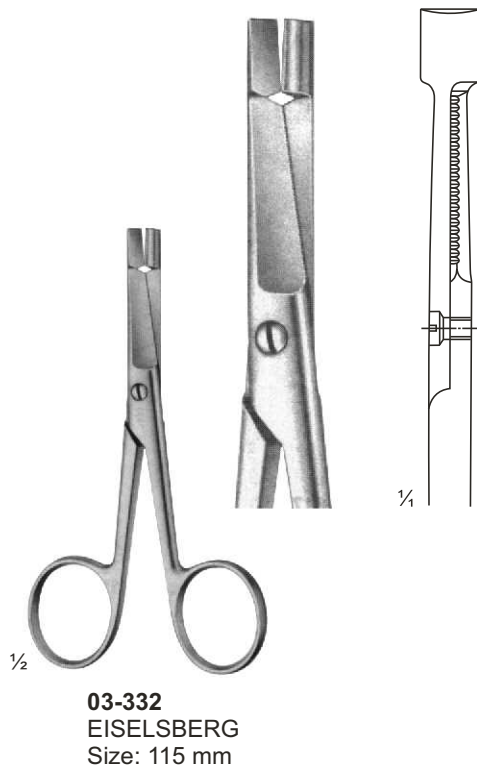
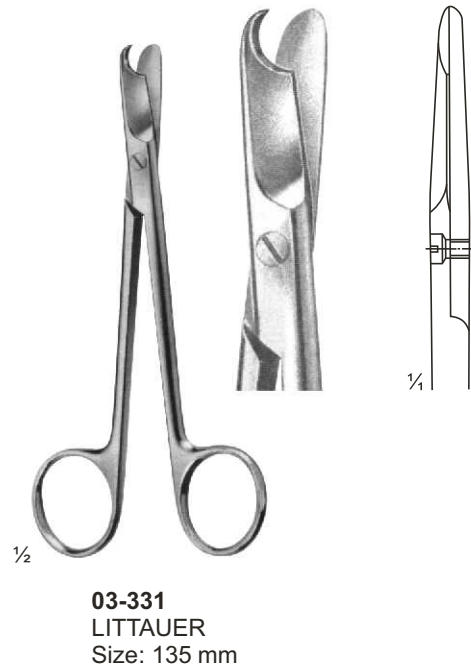
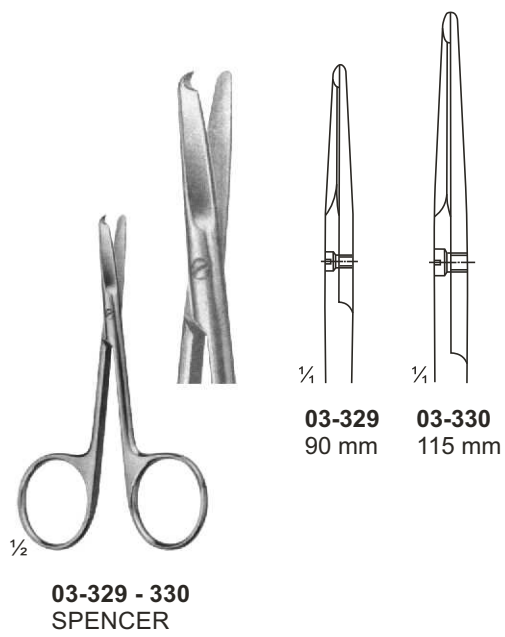
**03-325**  
DAMMSCHERE  
Bowel Scissors  
Size: 210 mm

**03-326**  
DAMMSCHERE  
Bowel Scissors  
Size: 210 mm

**03-327**  
LLOYD-DAVIES  
(GOLIGHER'S)  
Rectal Scissors  
Size: 255 mm

**03-328**  
STELZNER  
Rectal Scissors  
Size: 310 mm

# Ligature Scissors

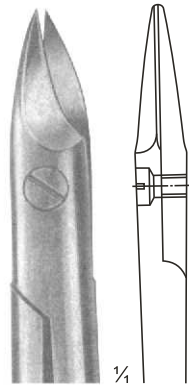


# Wire and Plate Scissors



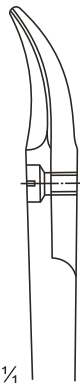
1/2

**03-334 - 338**  
BEEBE  
Size: 110 mm



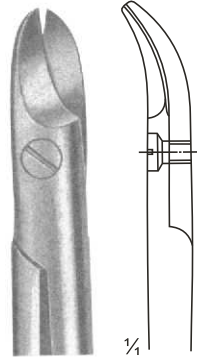
1/4

**03-334**



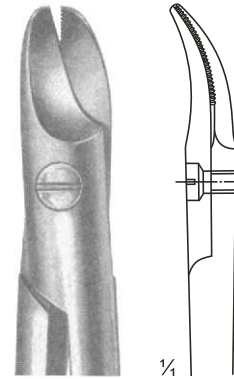
1/4

**03-335**



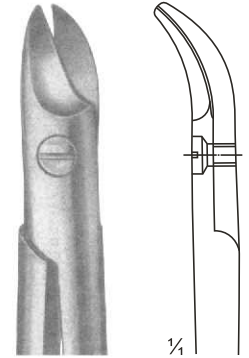
1/4

**03-336**  
Broad Blades



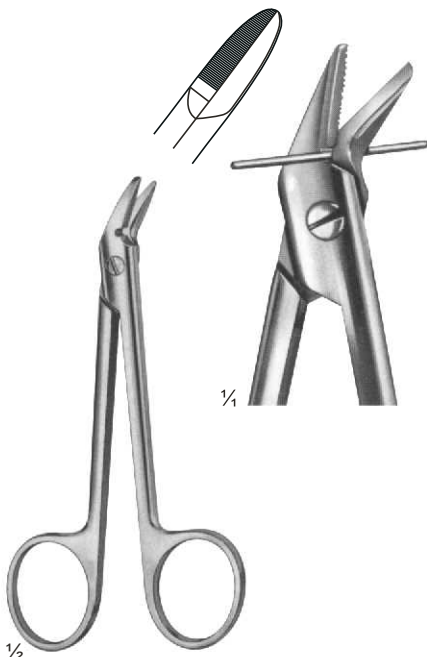
1/4

**03-337**  
1 Blade Serrated



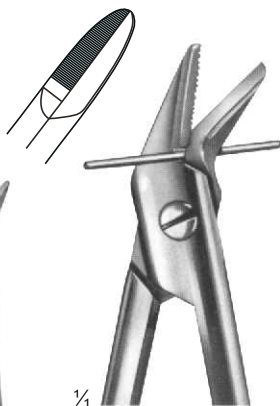
1/4

**03-338**  
NAUJOKS  
Strongly Curved



1/2

**03-339**  
1 Blade Serrated  
Size: 120 mm

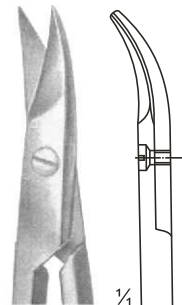


1/4

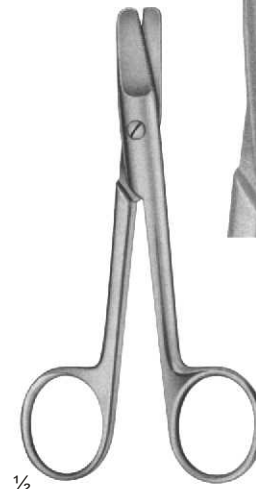


1/2

**03-340**  
STRACK  
Size: 100 mm

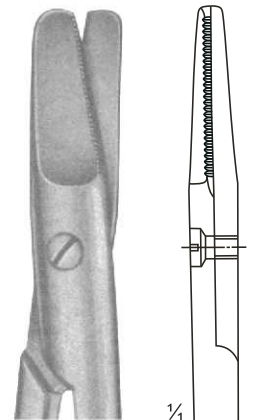


1/4



1/2

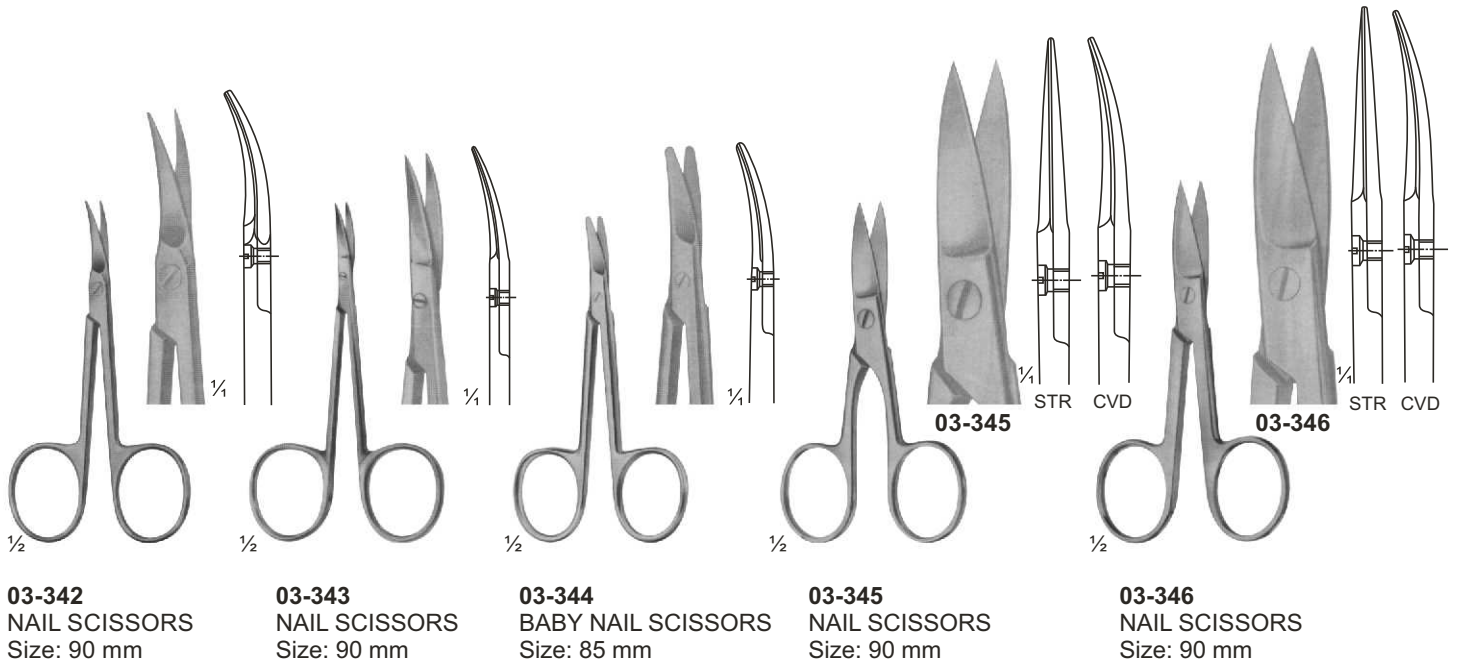
**03-341**  
HARVEY  
Size: 125 mm



1/4



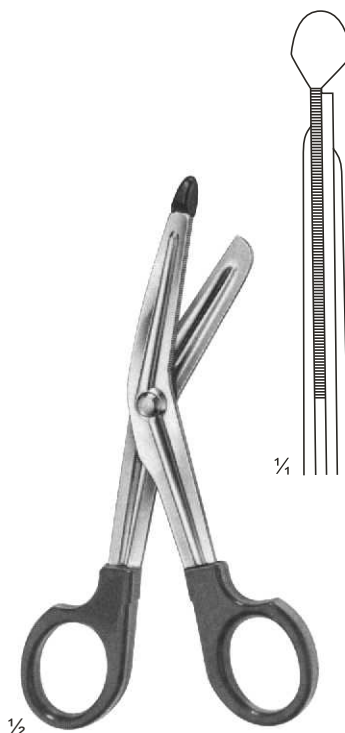
# Wire and Plate Scissors



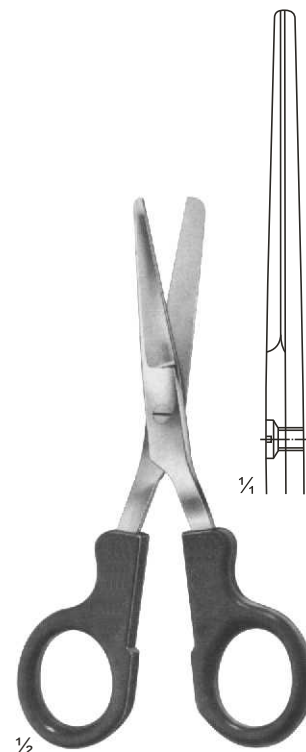
# Bandage and Cloth Scissors



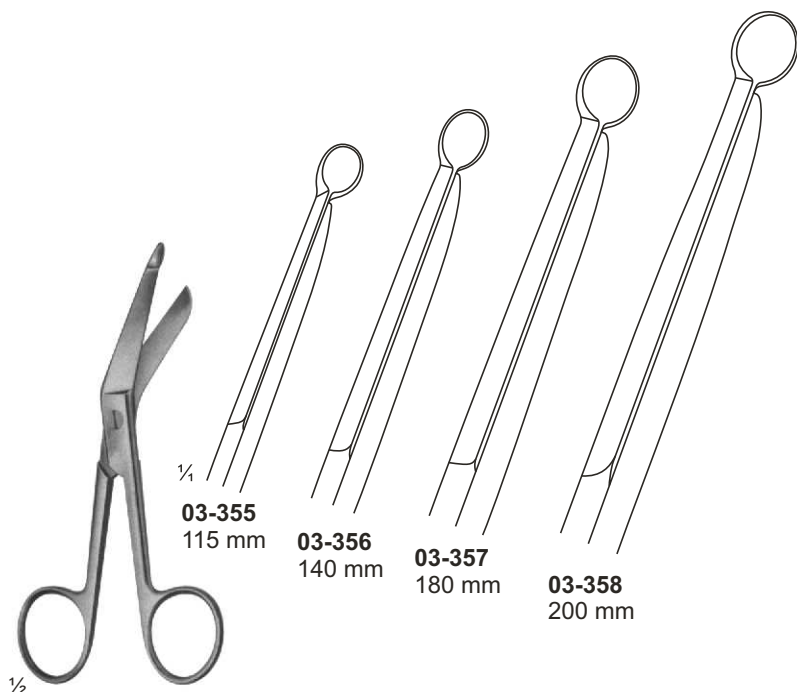
**03-352**  
UNIVERSAL AND BANDAGE SCISSORS  
180 mm



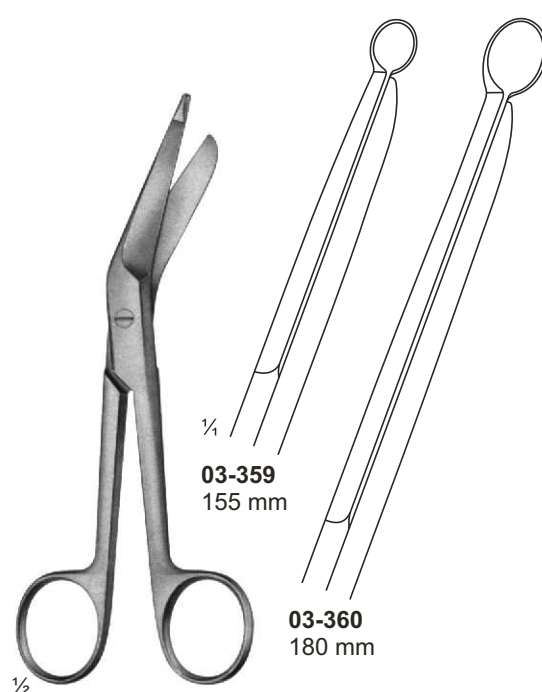
**03-353**  
LISTER  
Size: 145 mm



**03-354**  
LISTER  
Size: 145 mm

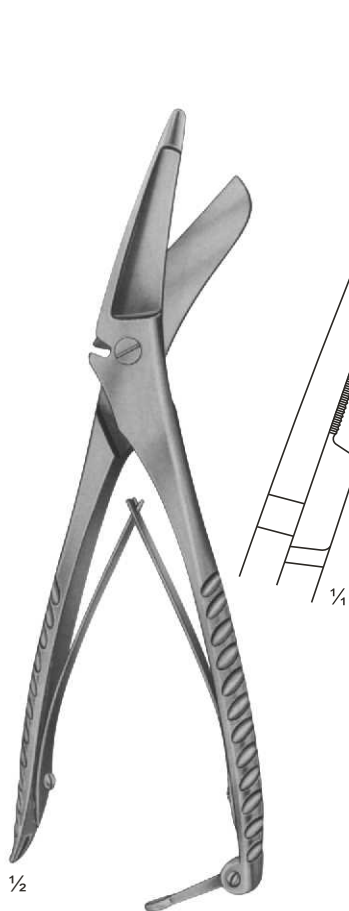


**03-355 - 358**  
LISTER

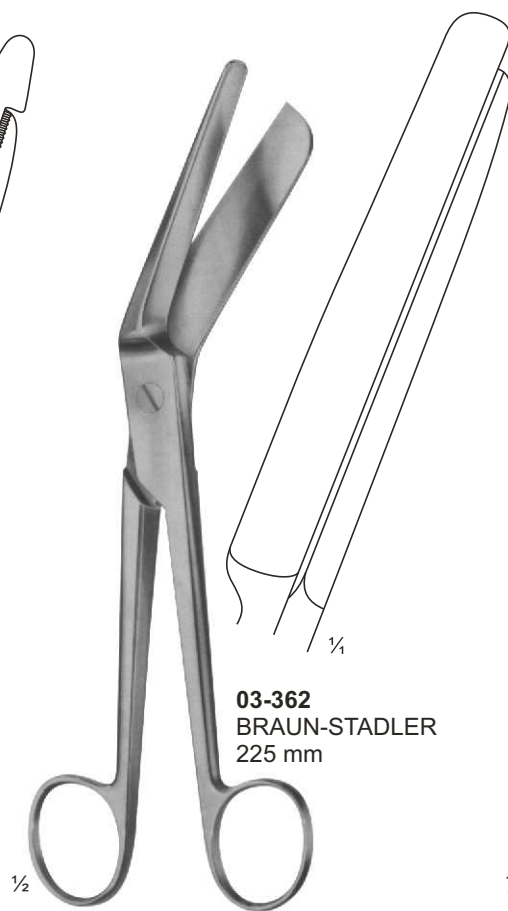


**03-359 - 360**  
LISTER

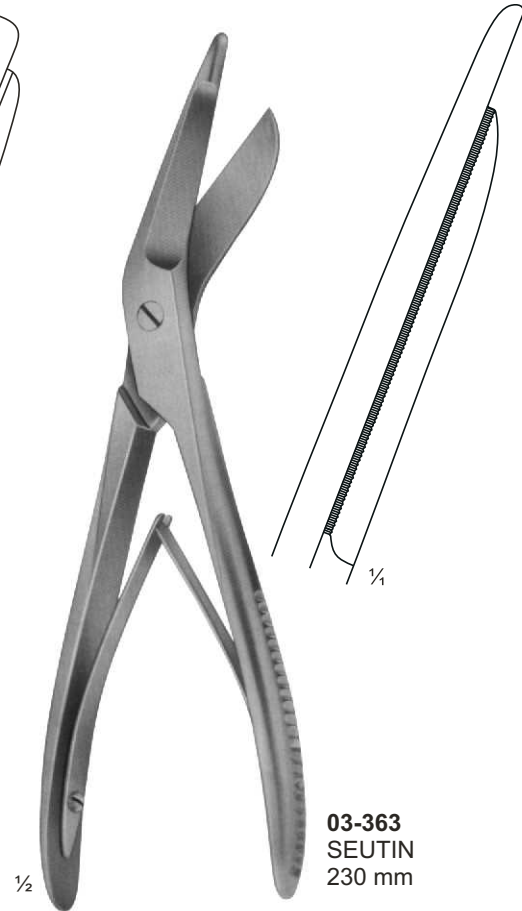
# Bandage, Cloth and Plaster Scissors



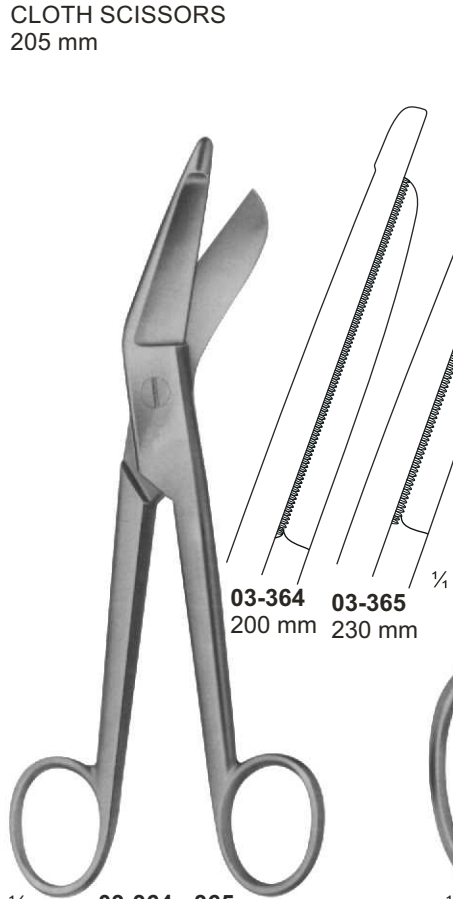
**03-361**  
CLOTH SCISSORS  
205 mm



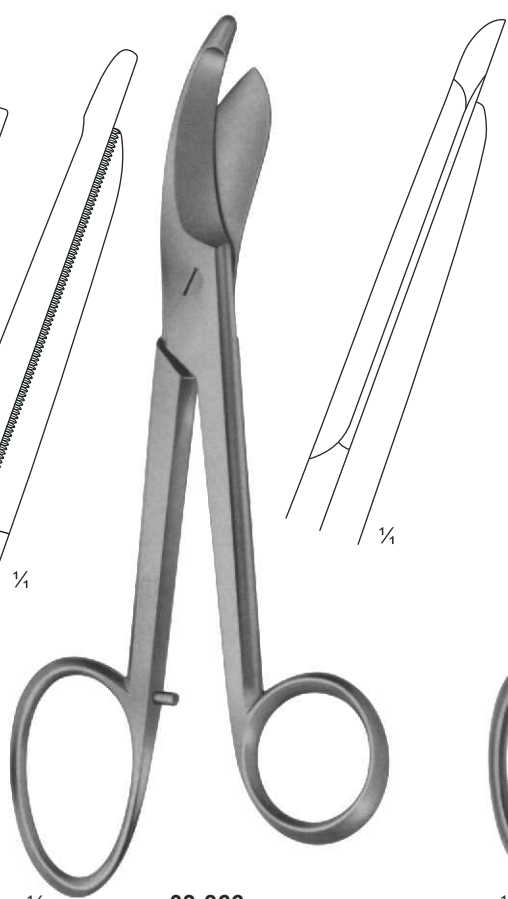
**03-362**  
BRAUN-STADLER  
225 mm



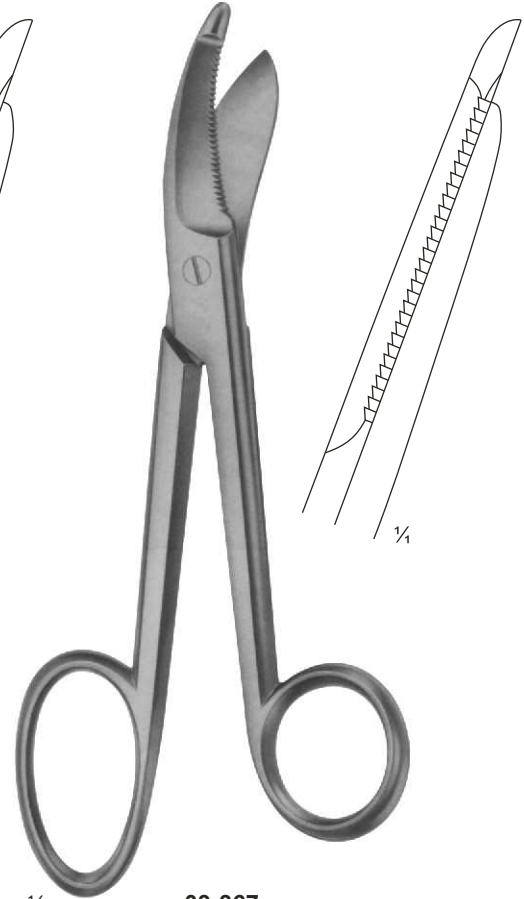
**03-363**  
SEUTIN  
230 mm



**03-364 - 365**  
ESMARCH

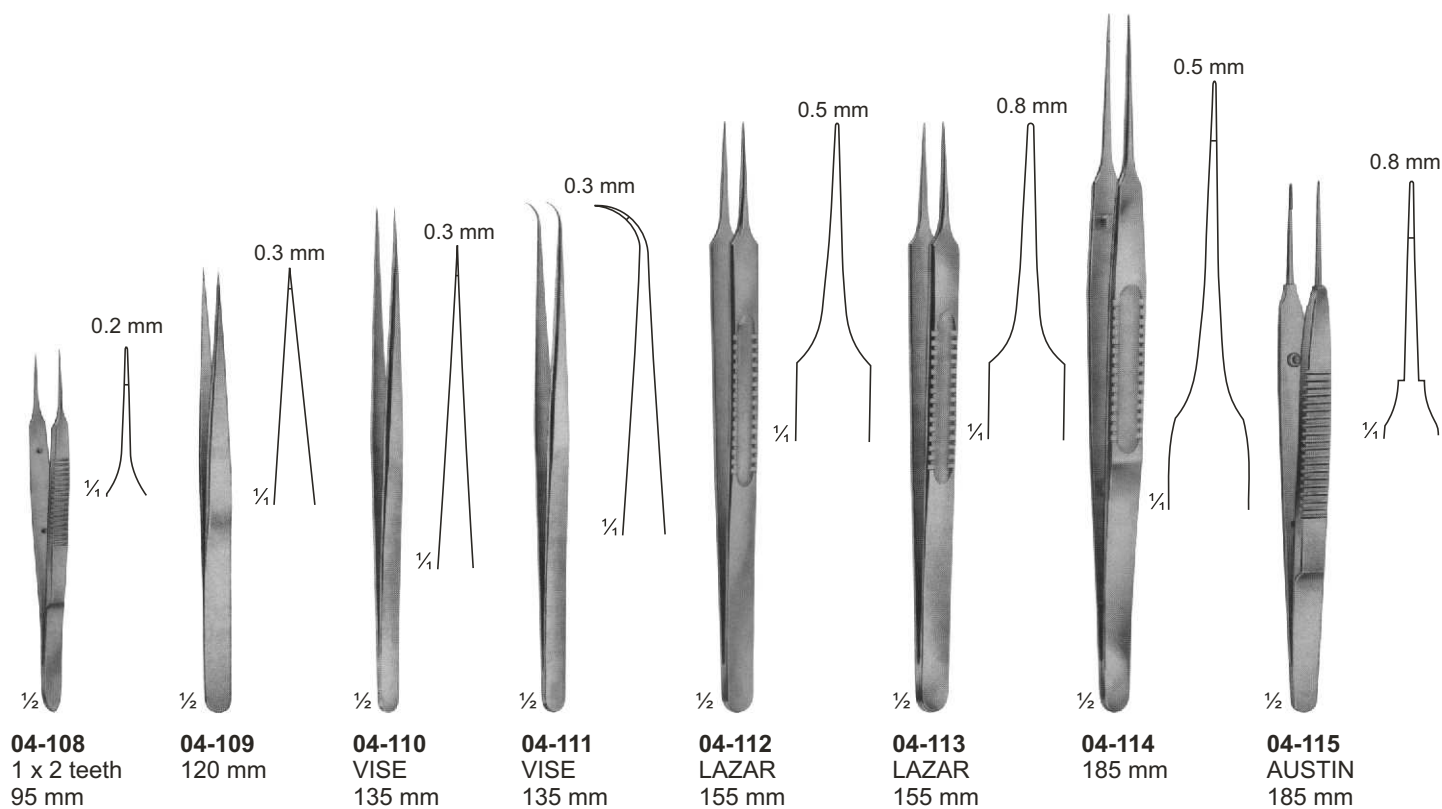
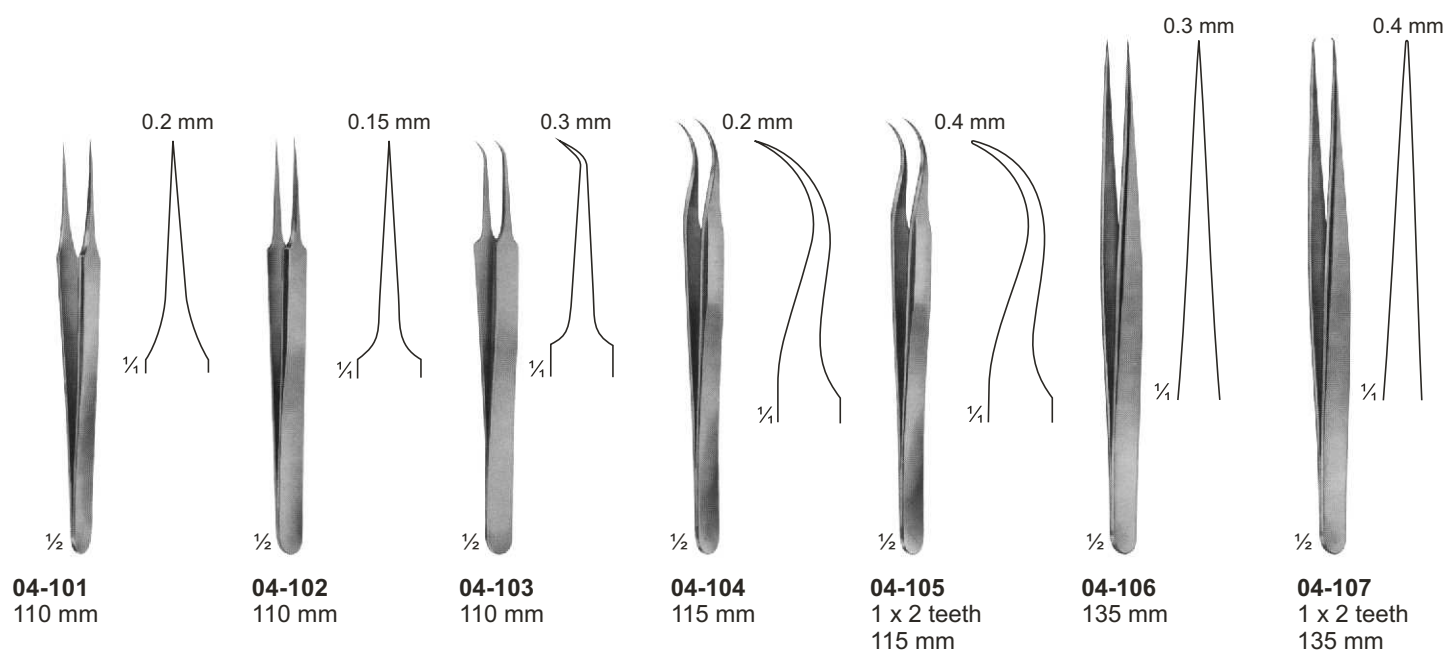


**03-366**  
BRUNS  
235 mm

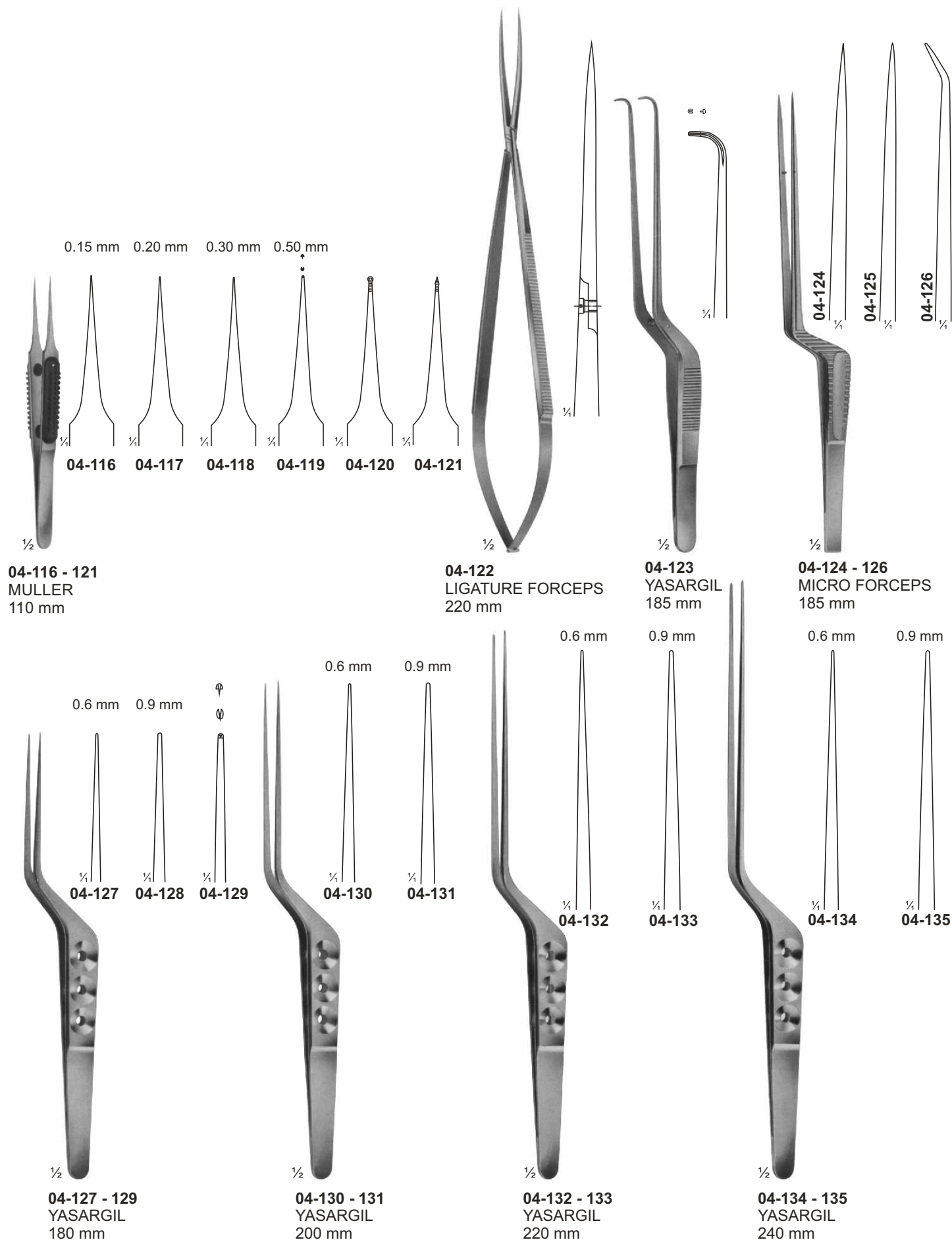


**03-367**  
BRUNS  
235 mm

# Micro Forceps, Jeweler Types

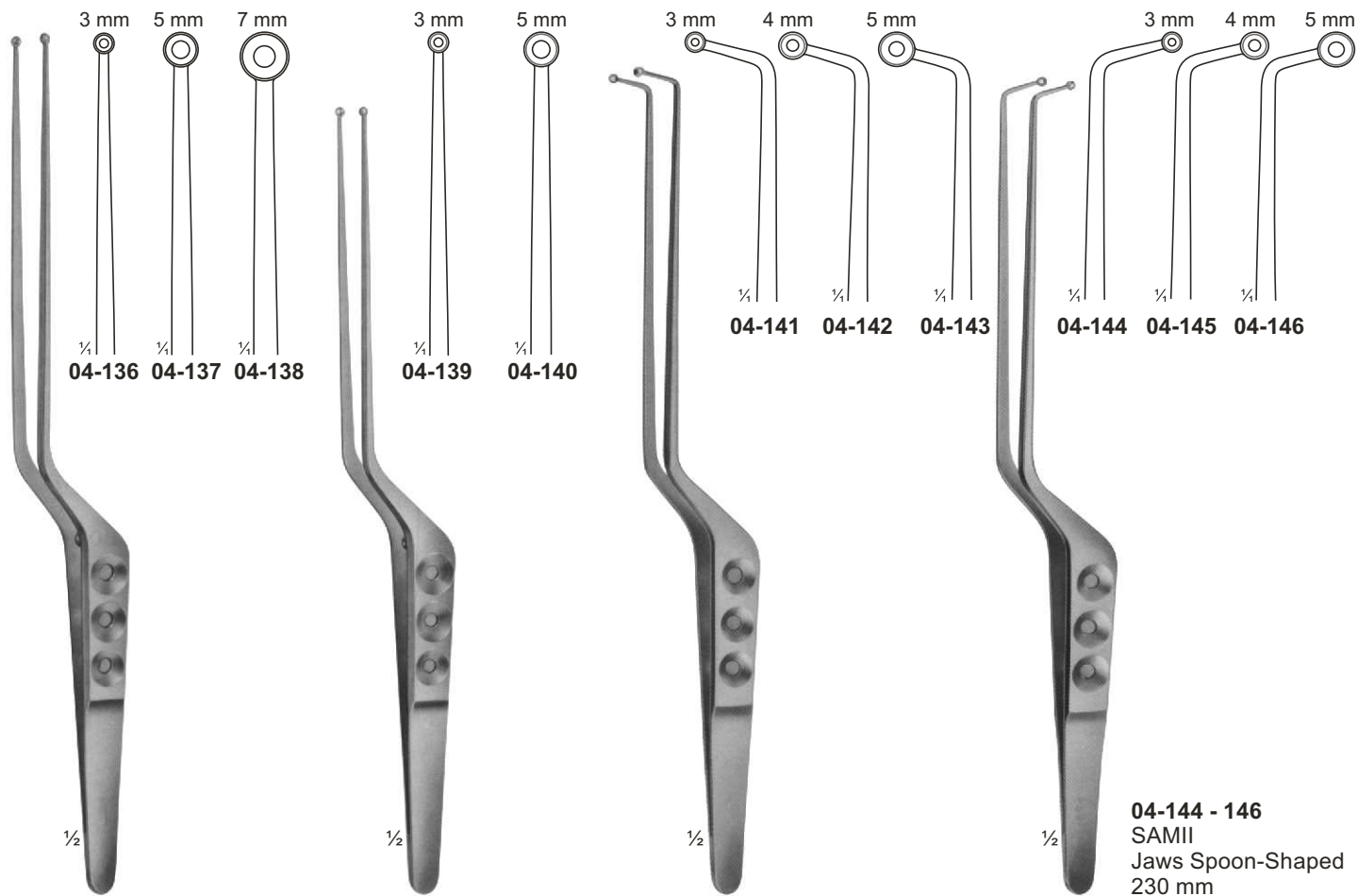


# Ligature Forceps, Micro Forceps (Light Patterns)





# Forceps for Grasping Tissue, Tumors

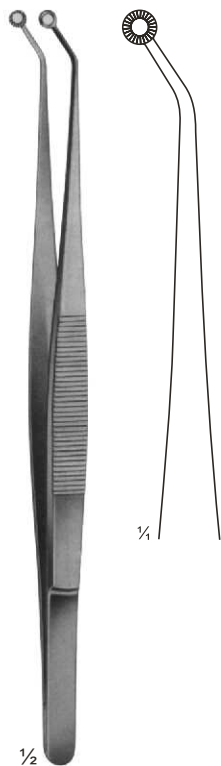


**04-136 - 138**  
YASARGIL-SAMI  
Jaws Spoon-Shaped  
240 mm

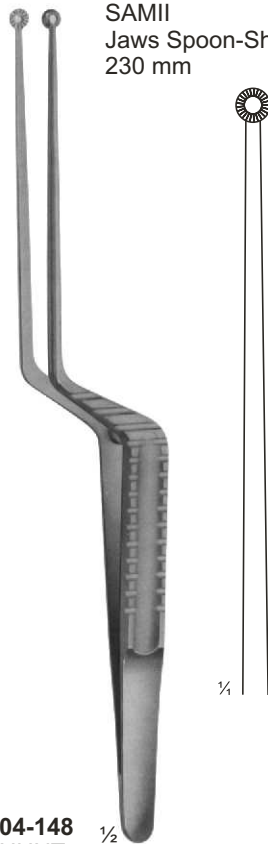
**04-139 - 140**  
YASARGIL  
Jaws Spoon-Shaped  
220 mm

**04-141 - 143**  
SAMII  
Jaws Spoon-Shaped  
230 mm

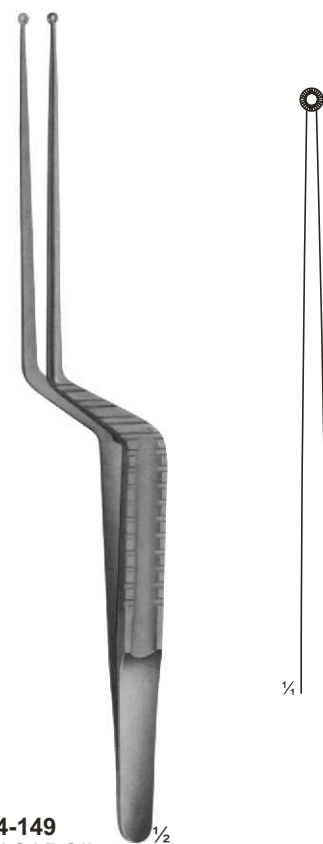
**04-144 - 146**  
SAMII  
Jaws Spoon-Shaped  
230 mm



**04-147**  
HUNT  
Tumor-and Vessel Forceps  
200 mm

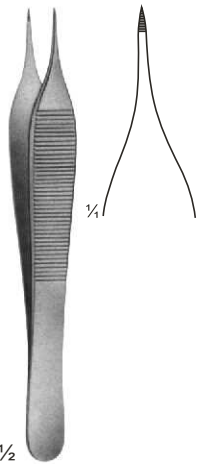


**04-148**  
HUNT  
Tumor-and Vessel Forceps  
200 mm

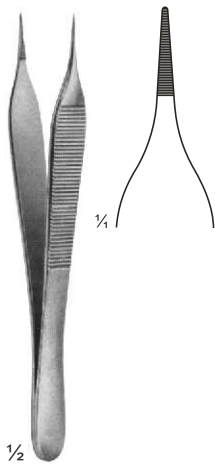


**04-149**  
YASARGIL  
Tumor-and Vessel Forceps  
200 mm

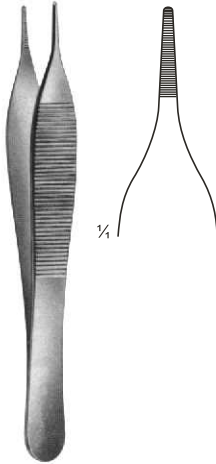
# Delicate Dissecting, Microscopic, Sterilizing Forceps



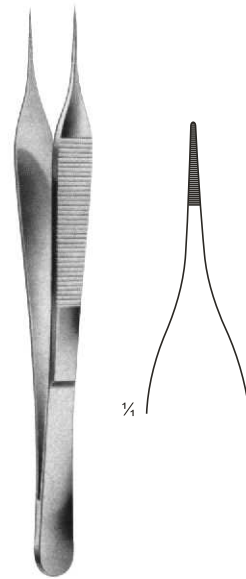
**04-150**  
**THORPE**  
 Corneal Forceps  
 120 mm



**04-151**  
**MICRO-ADSON**  
 120 mm



**04-152**  
**ADSON**  
 120 mm



**04-153**  
**MICRO-ADSON**  
 150 mm



**04-154 - 156**  
 100 mm



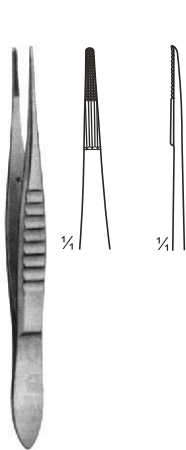
**04-154**



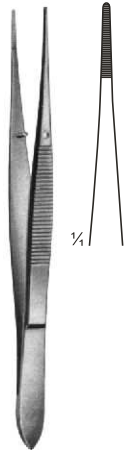
**04-155**



**04-156**



**04-157**  
 110 mm



**04-158**  
 115 mm



**04-159 - 168**



**04-159**  
 90 mm



**04-160**  
 105 mm



**04-161**  
 115 mm



**04-162**  
 130 mm



**04-163**  
 145 mm



**04-164**  
 90 mm



**04-165**  
 105 mm



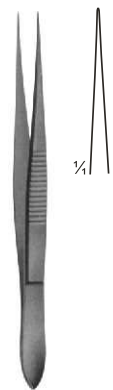
**04-166**  
 115 mm



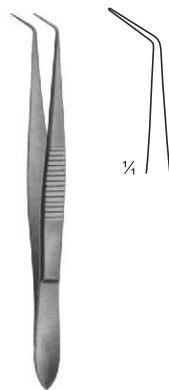
**04-167**  
 130 mm



**04-168**  
 145 mm



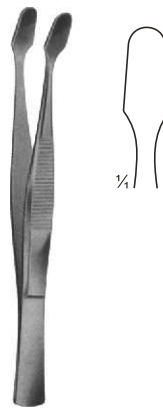
**04-169**  
 100 mm



**04-170**  
 100 mm



**04-171**  
 100 mm

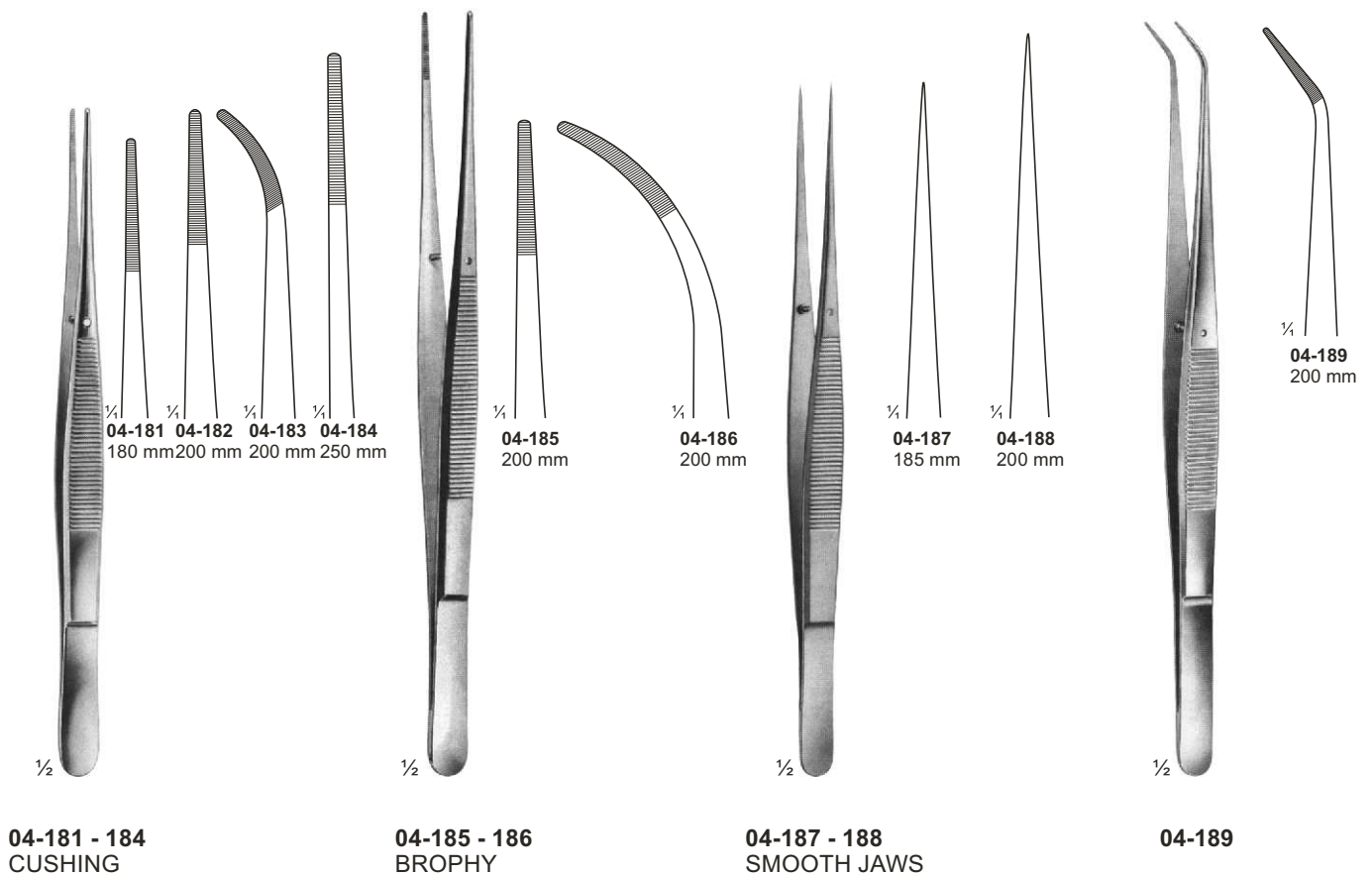
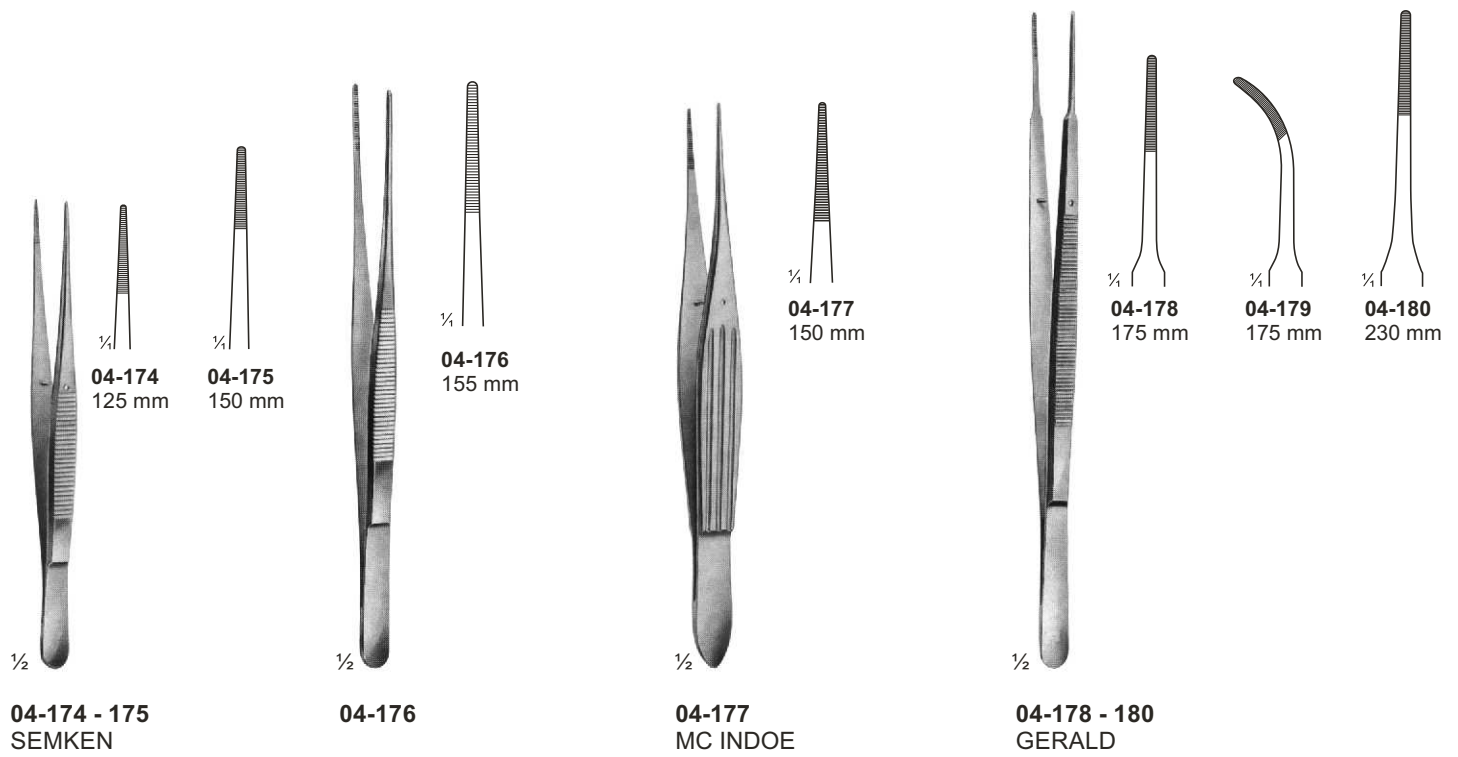


**04-172**  
**COVER GLASS FORCEPS**  
 105 mm



**04-173**  
 160 mm

# Delicate Dissecting Forceps

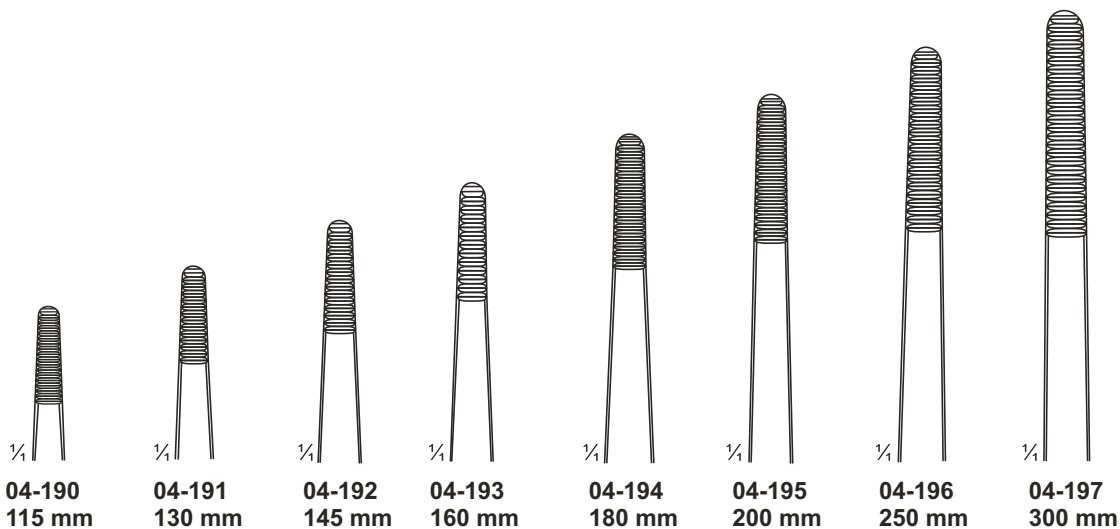


# Dissecting Forceps



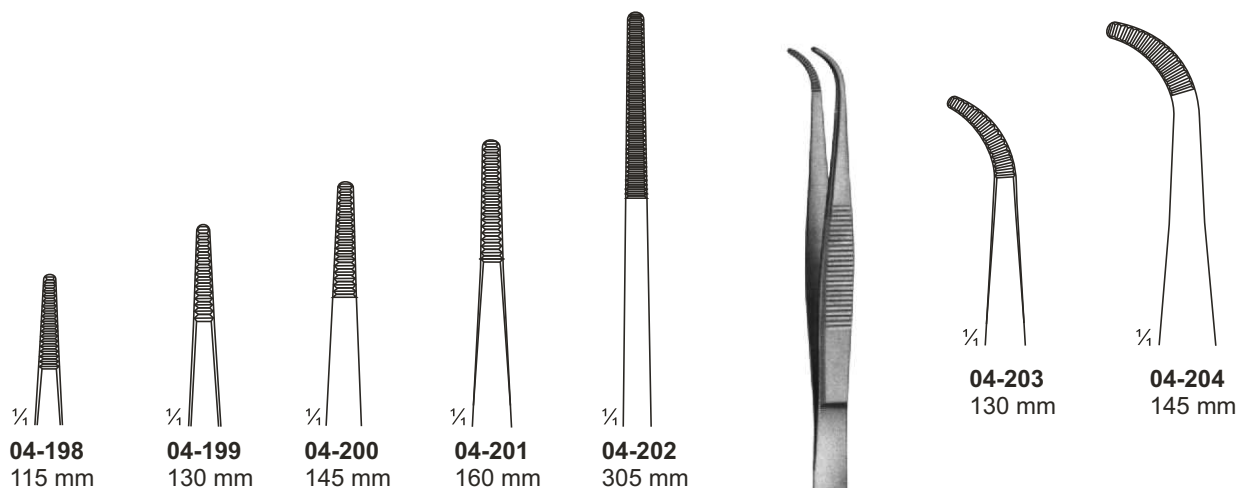
1/2

**04-190 - 197**  
STANDARD



1/2

**04-198 - 202**  
MEDIUM



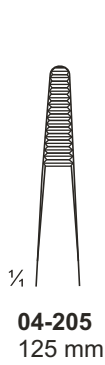
1/2

**04-203 - 204**  
MEDIUM

# Dissecting Forceps



04-205 - 206



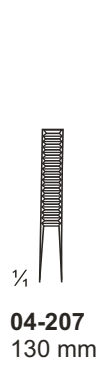
04-205  
125 mm



04-206  
155 mm



04-207 - 210



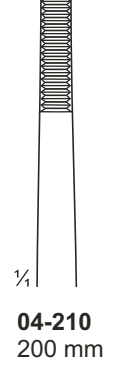
04-207  
130 mm



04-208  
150 mm



04-209  
170 mm



04-210  
200 mm



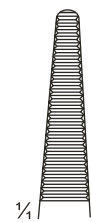
04-211  
OCHSNER



04-212  
FRICKE

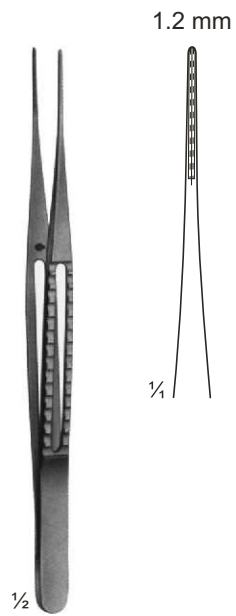


04-213  
BONNEY

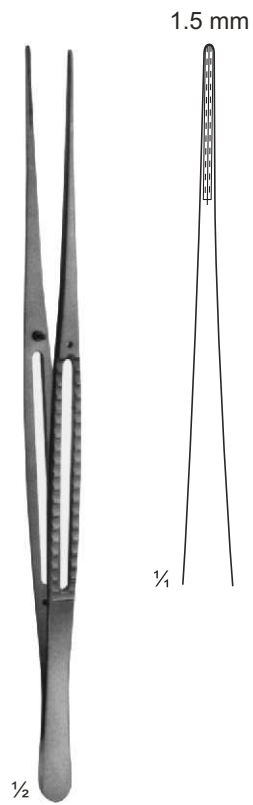




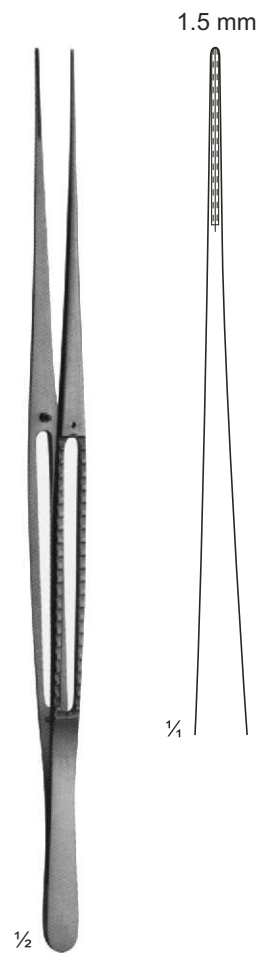
# Ultra-Light Forceps



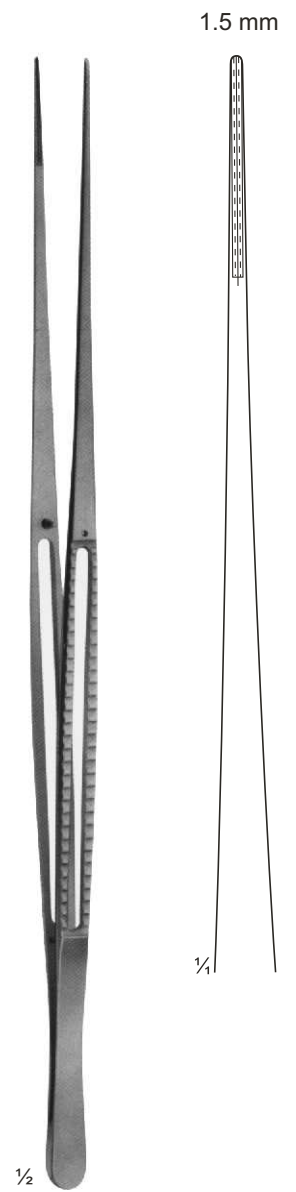
**04-214**  
150 mm



**04-215**  
200 mm

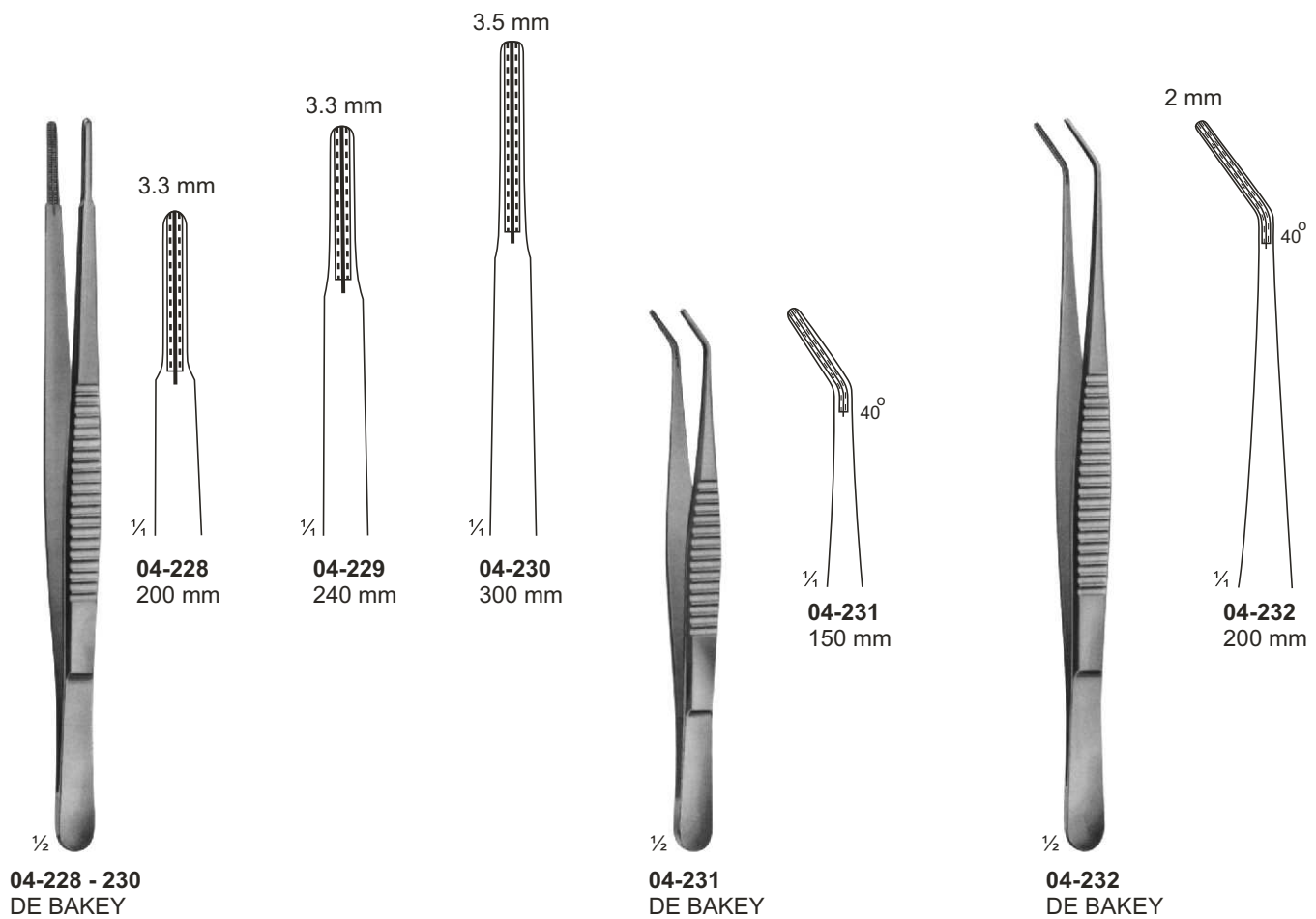
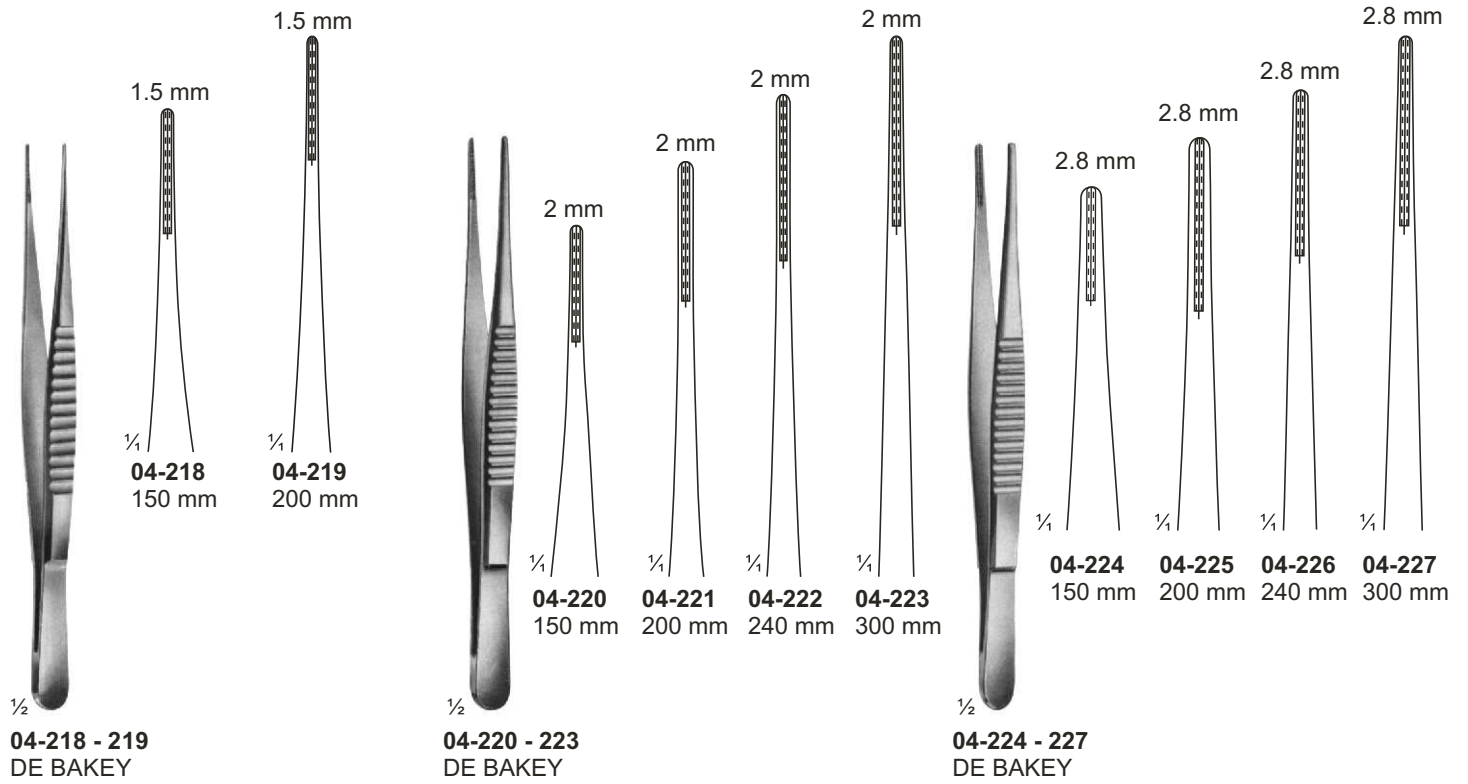


**04-216**  
240 mm

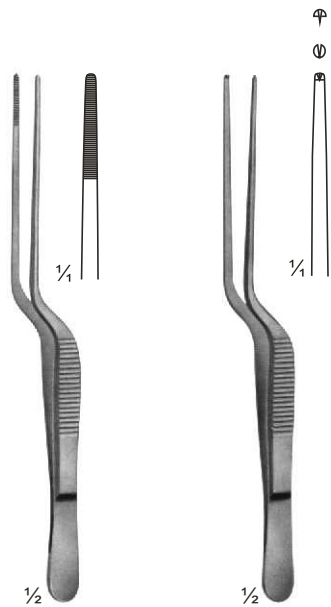


**04-217**  
300 mm

# Forceps

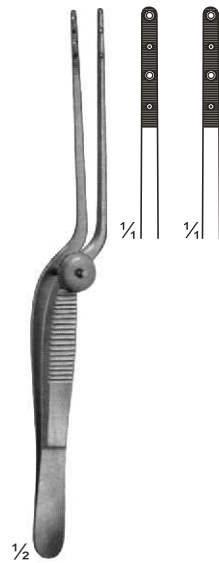


# Forceps, Bayonet - Shaped

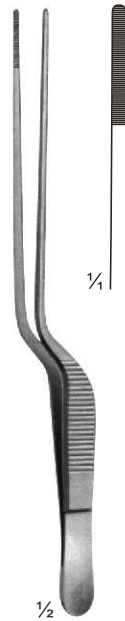


**04-233**  
LUCAE  
140 mm

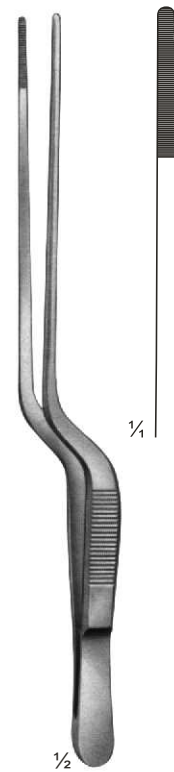
**04-234**  
LUCAE  
1x2 teeth  
140 mm



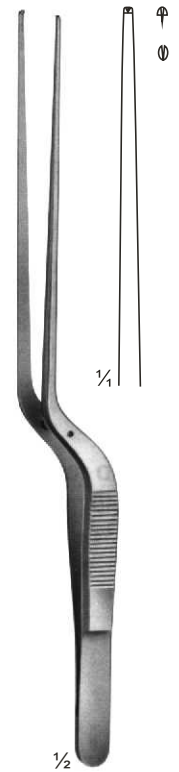
**04-235**  
COTTLE  
Forceps with  
jaws toothed  
and serrated  
140 mm



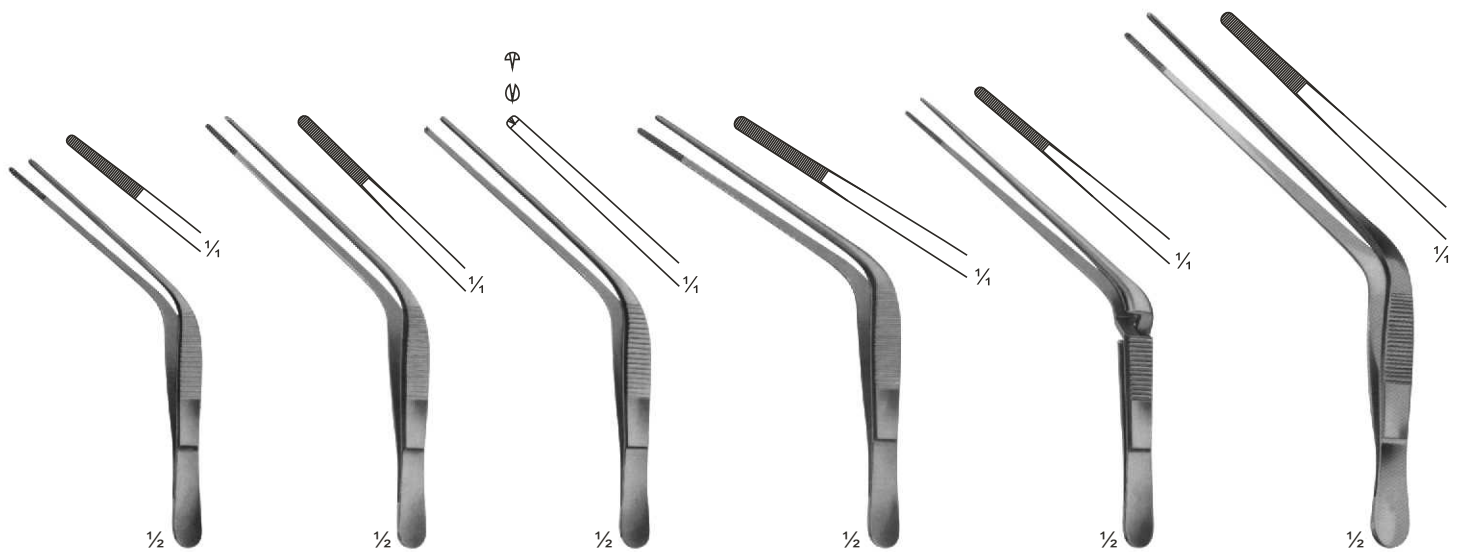
**04-236**  
JANSEN  
160 mm



**04-237**  
GRUENWALD  
200 mm



**04-238**  
1x2 teeth  
200 mm



**04-239**  
TROELTSCH  
100 mm

**04-240**  
TROELTSCH  
115 mm

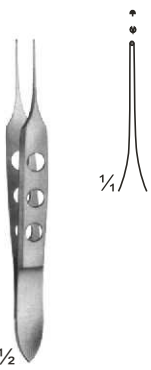
**04-241**  
TROELTSCH  
1X2 teeth  
115 mm

**04-242**  
WILDE  
115 mm

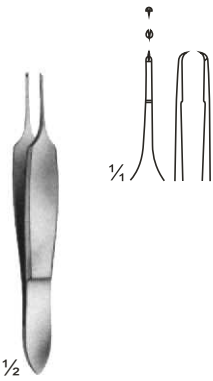
**04-243**  
TROELTSCH  
Cross action  
120 mm

**04-244**  
TROELTSCH  
140 mm

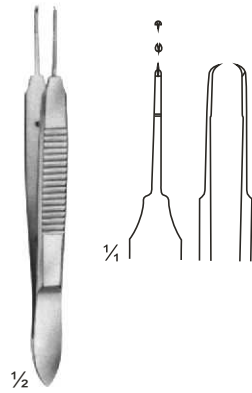
# Delicate Tissue Forceps



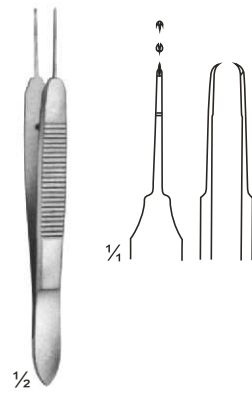
**04-245**  
BISHOP-HARMON  
85 mm



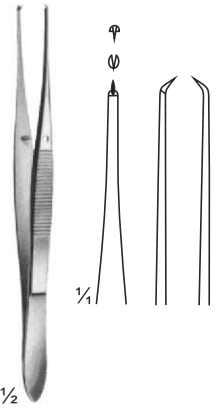
**04-246**  
ST. MARTIN  
80 mm



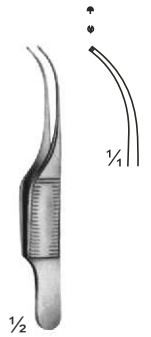
**04-247**  
CASTROVIEJO  
teeth 0.9 mm  
100 mm



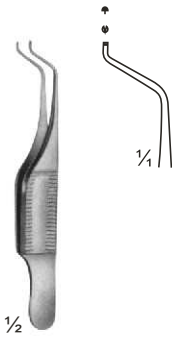
**04-248**  
CASTROVIEJO  
teeth 0.5 mm  
100 mm



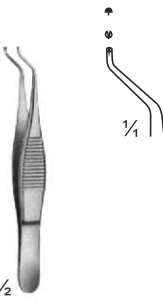
**04-249**  
ELSCHING  
110 mm



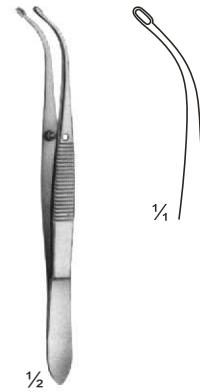
**04-250**  
GILL  
75 mm



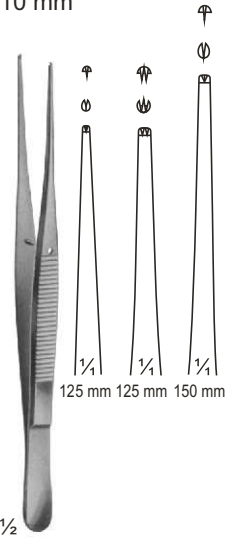
**04-251**  
GILL - HESS  
75 mm



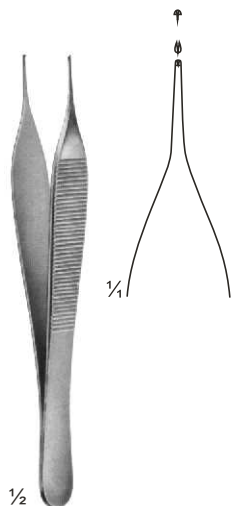
**04-252**  
HESS  
70 mm



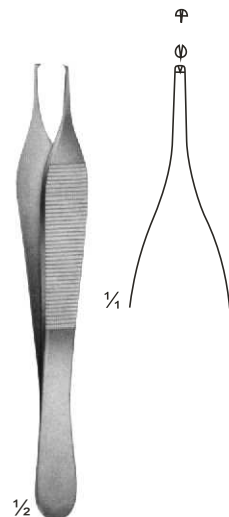
**04-253**  
ARRUGA  
100 mm



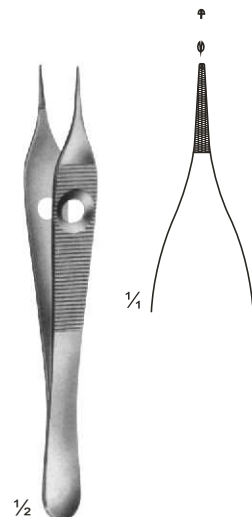
**04-254**  
SEMKEN



**04-255**  
MICRO-ADSON  
120 mm



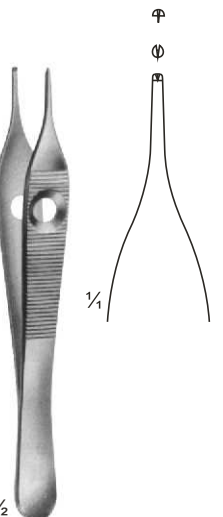
**04-256**  
ADSON  
120 mm



**04-257**  
ADSON  
120 mm

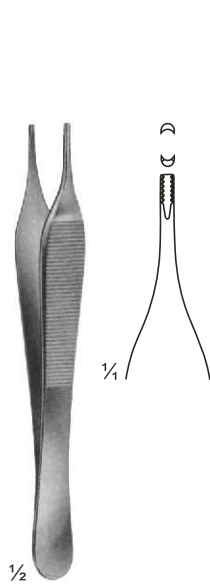


**04-258**  
ADSON  
120 mm

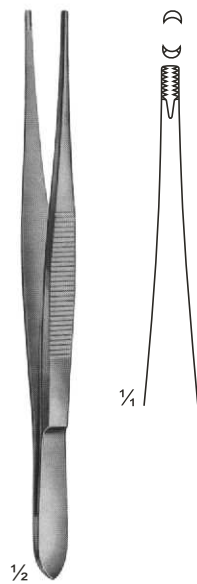


**04-259**  
ADSON  
150 mm

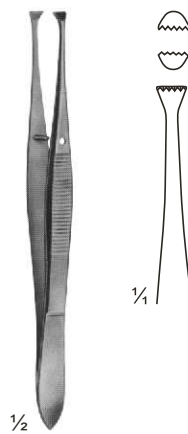
# Tissue Forceps



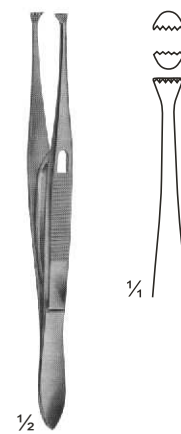
**04-260**  
**ADSON - BROWN**  
Non-traumatic  
120 mm



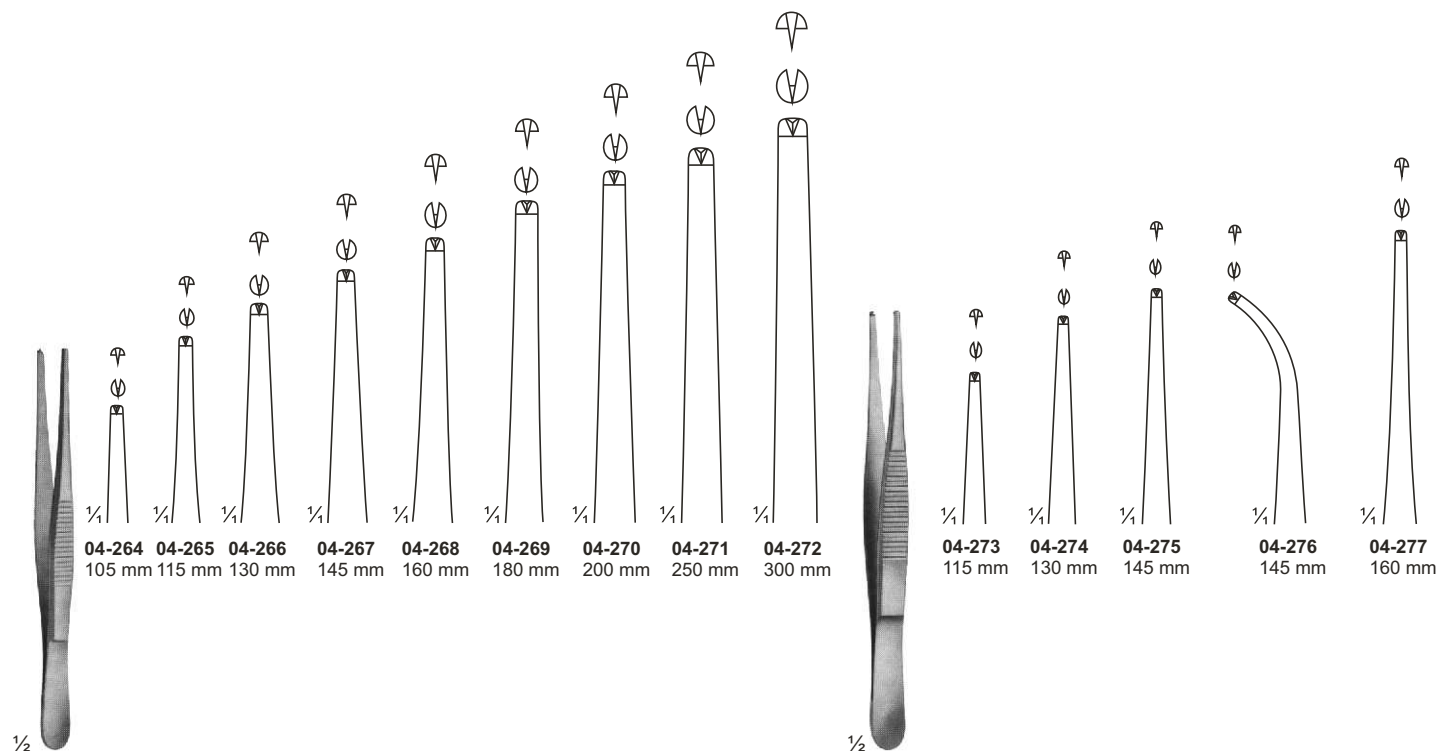
**04-261**  
**BROWN**  
120 mm



**04-262**  
**GRAEFE**  
110 mm



**04-263**  
**GRAEFE**  
With Catch  
110 mm



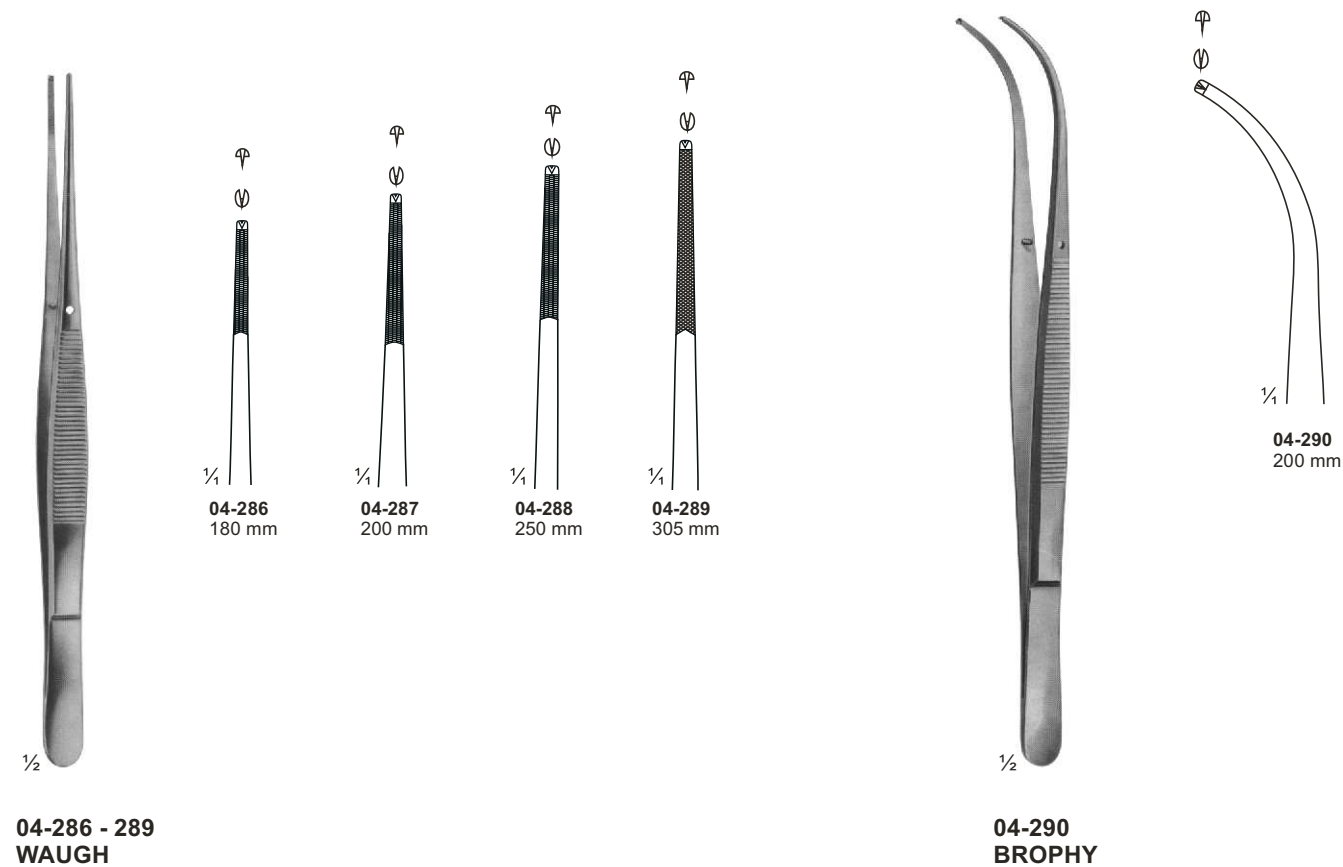
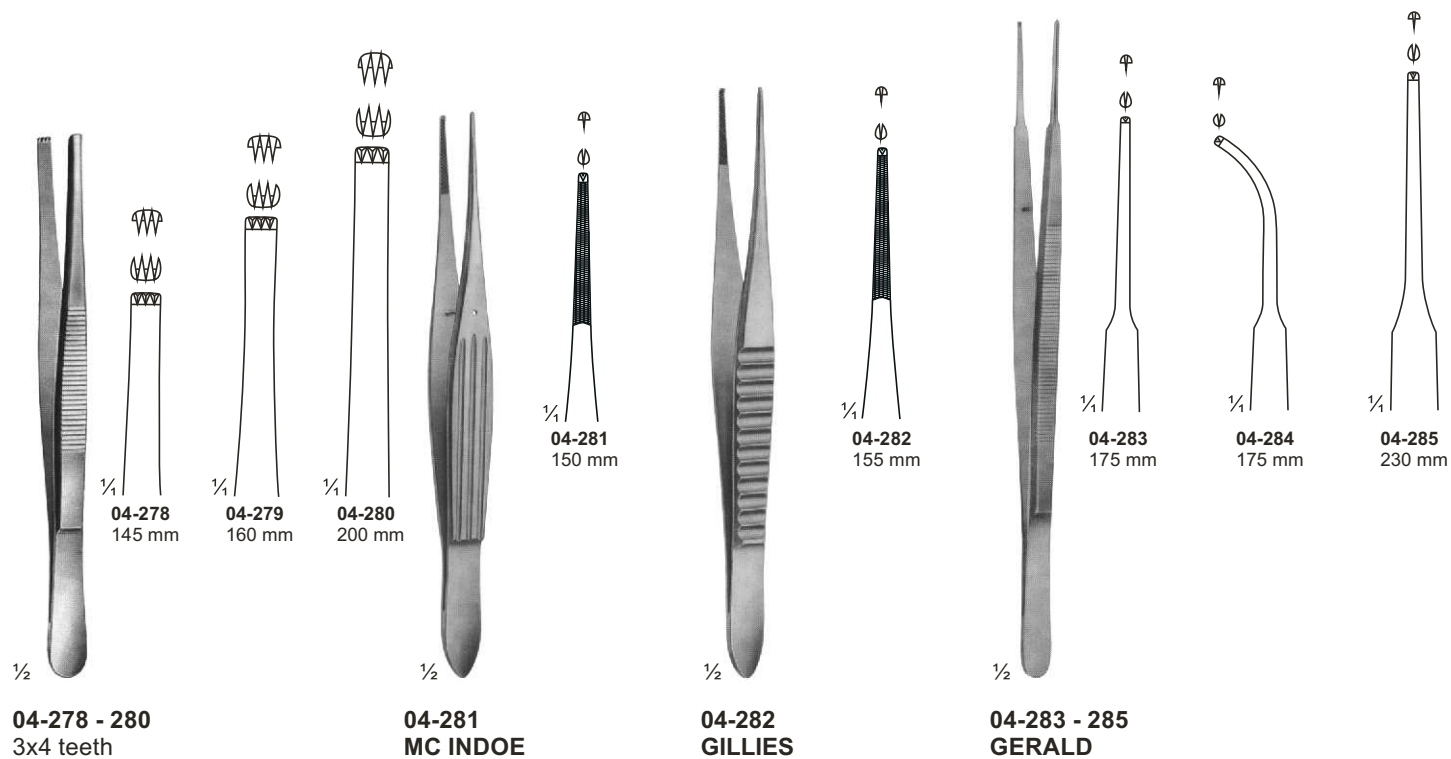
**04-264 - 272**  
**STANDARD**

**04-273 - 277**  
**GRAEFE**  
110 mm

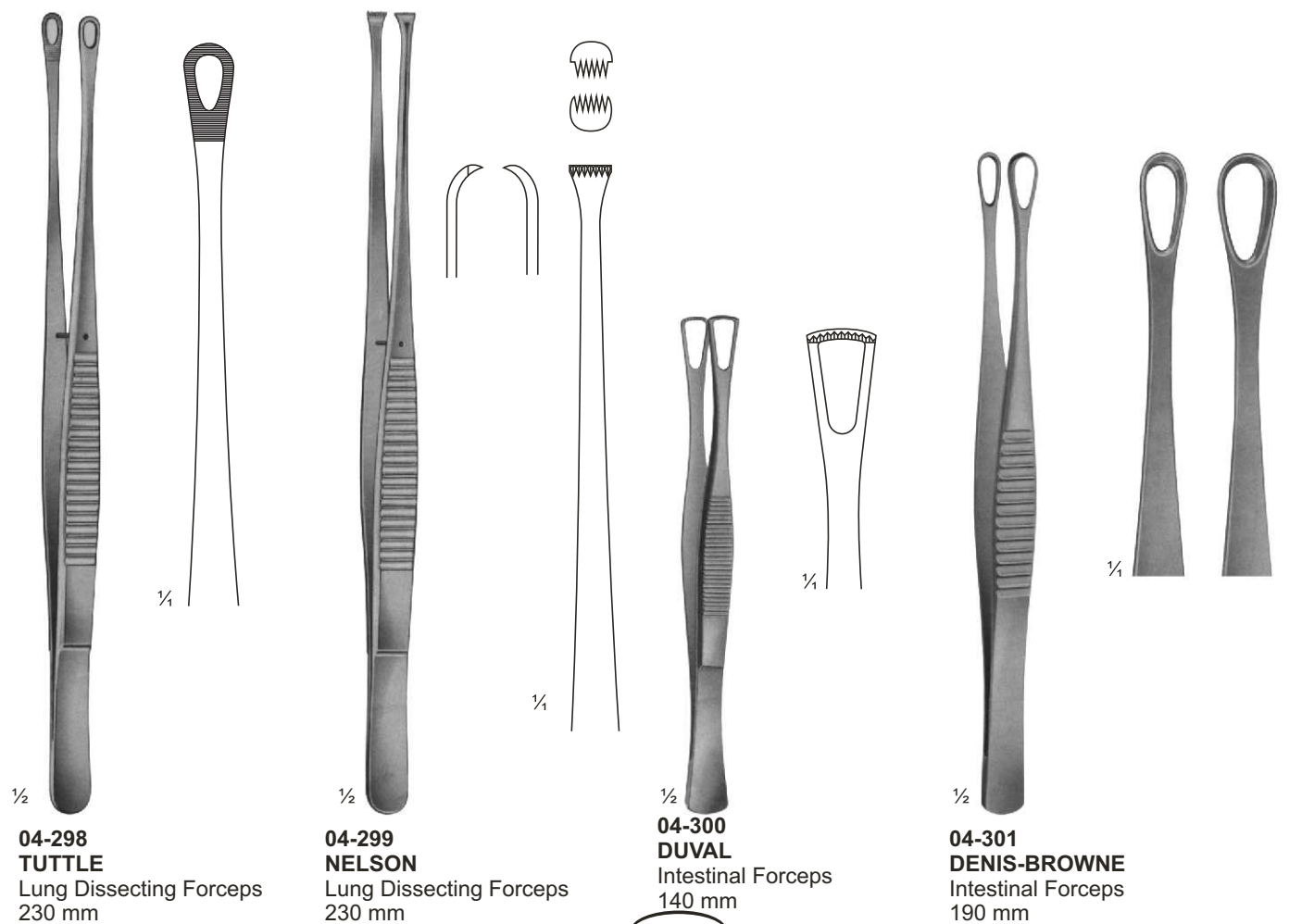
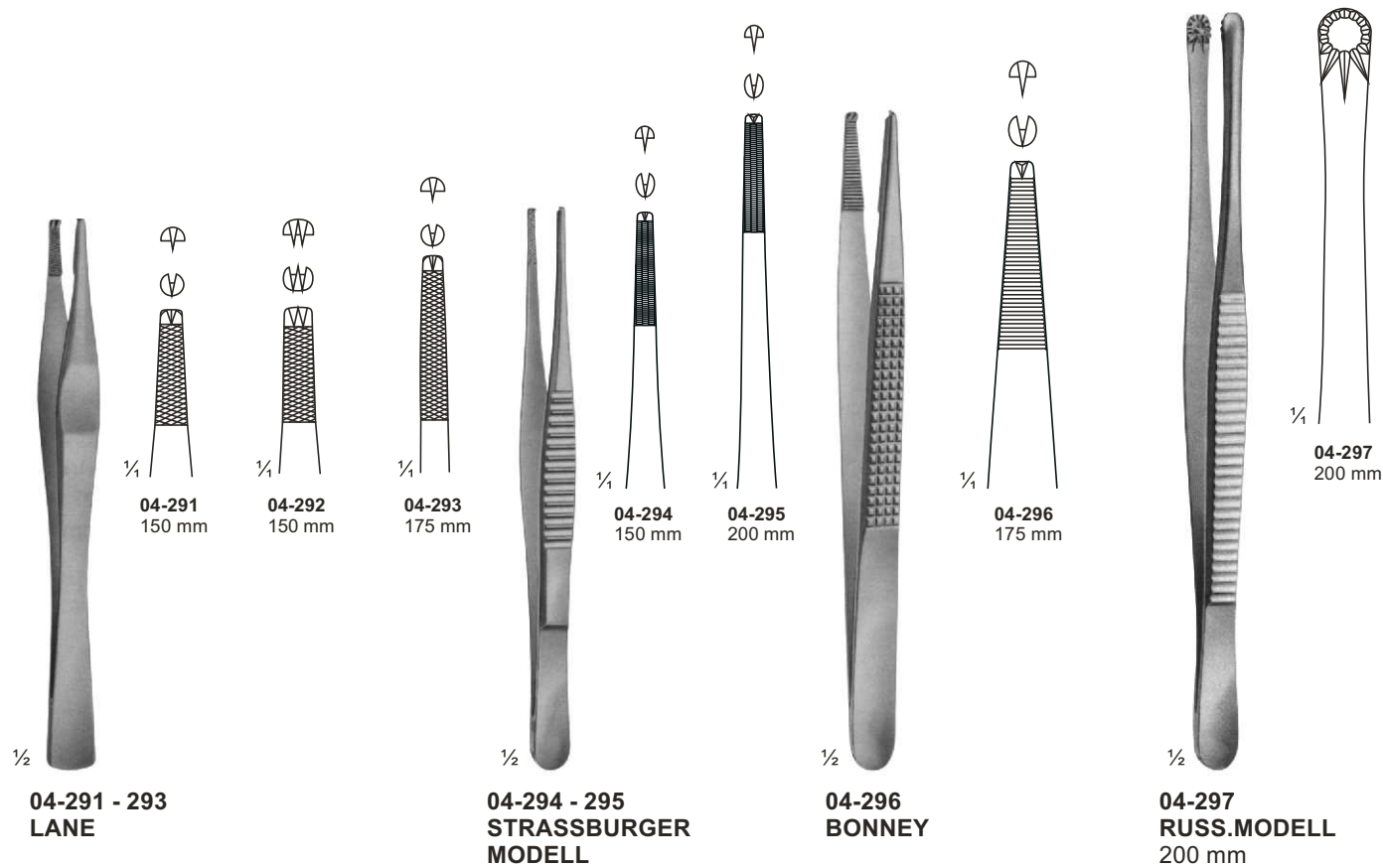
- |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>04-264</b><br>105 mm | <b>04-265</b><br>115 mm | <b>04-266</b><br>130 mm | <b>04-267</b><br>145 mm | <b>04-268</b><br>160 mm | <b>04-269</b><br>180 mm | <b>04-270</b><br>200 mm | <b>04-271</b><br>250 mm | <b>04-272</b><br>300 mm | <b>04-273</b><br>115 mm | <b>04-274</b><br>130 mm | <b>04-275</b><br>145 mm | <b>04-276</b><br>145 mm | <b>04-277</b><br>160 mm |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|



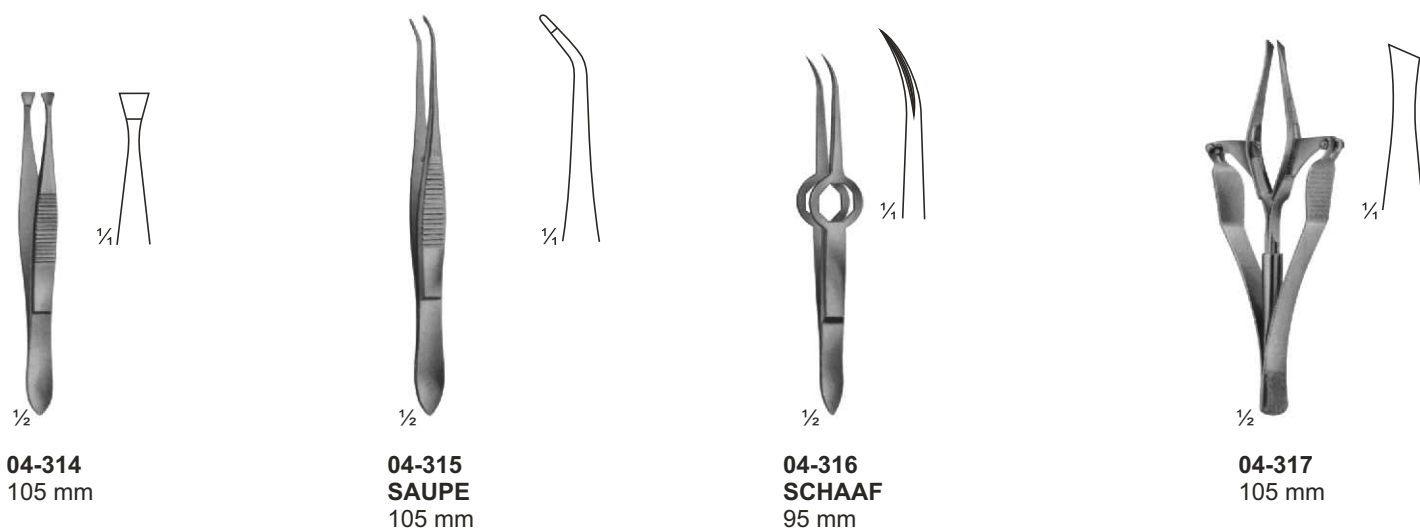
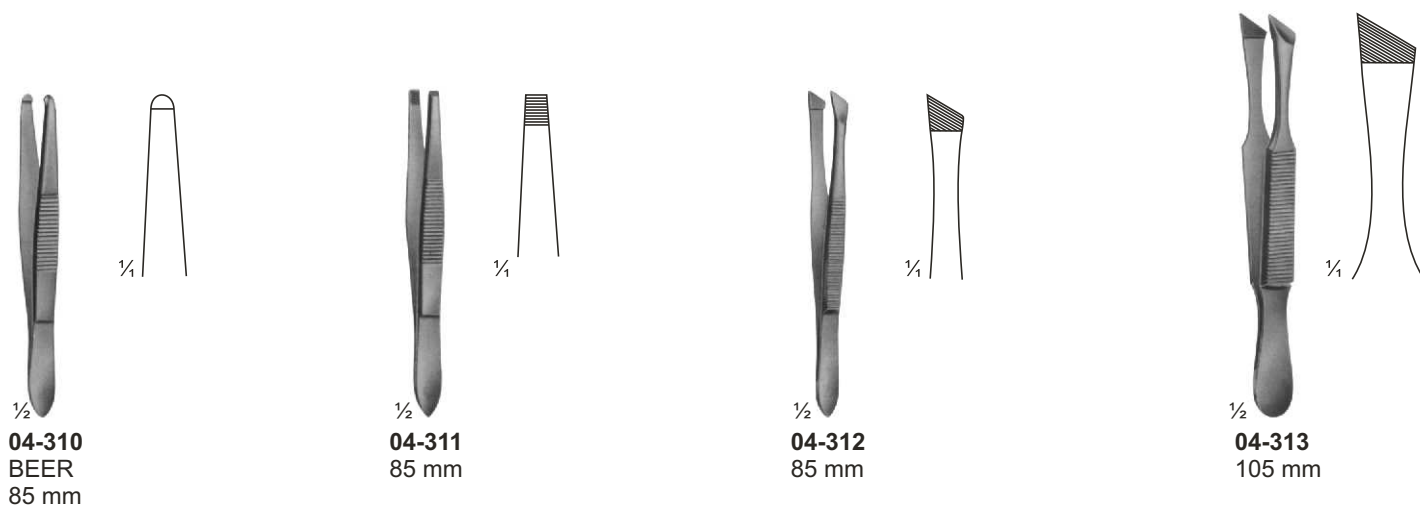
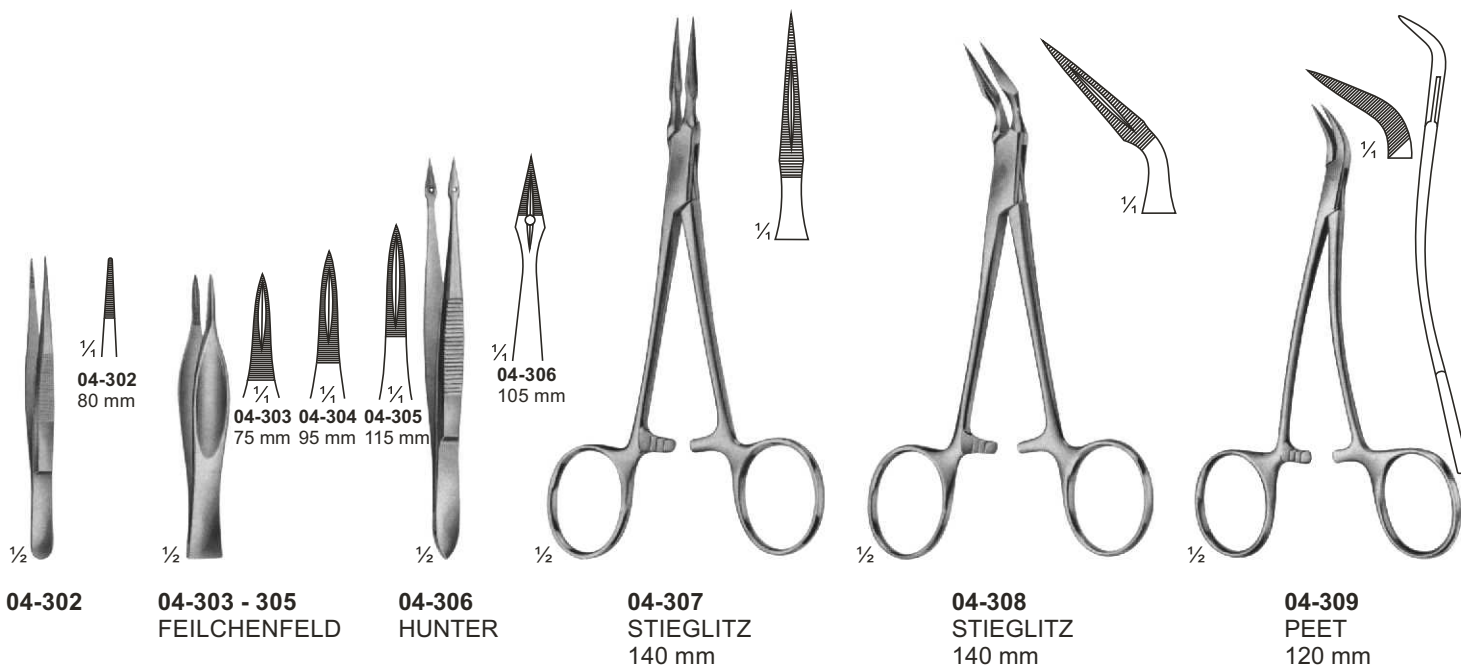
# Tissue Forceps



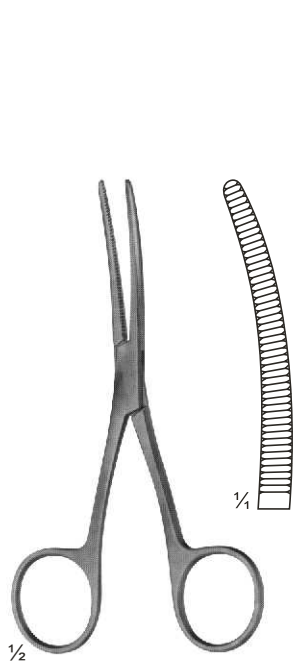
# Tissue Forceps, Lung Dissecting Forceps



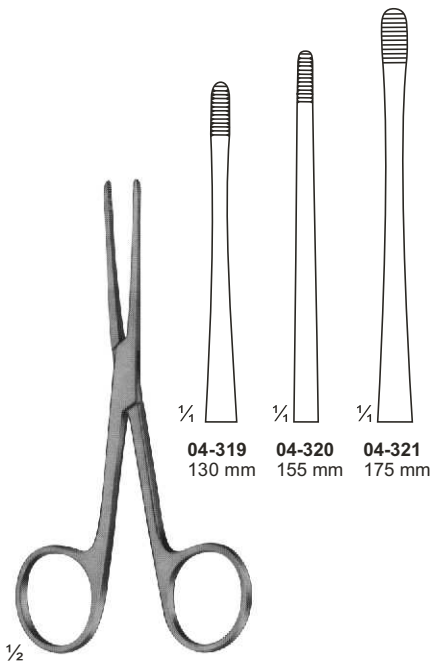
# Splinter and Cilia Forceps



# Sponge and Dressing Forceps

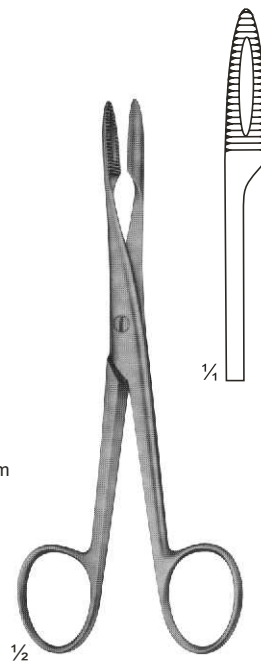


**04-318**  
BRYANT  
130 mm

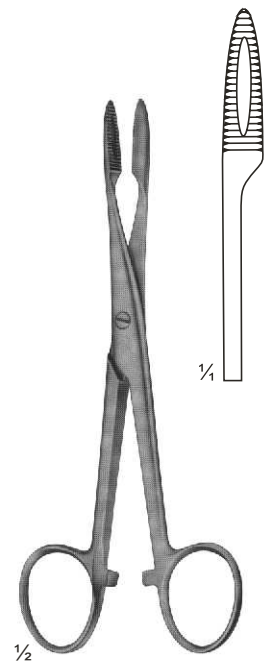


**04-319 - 321**  
LISTER  
Sinus Forceps

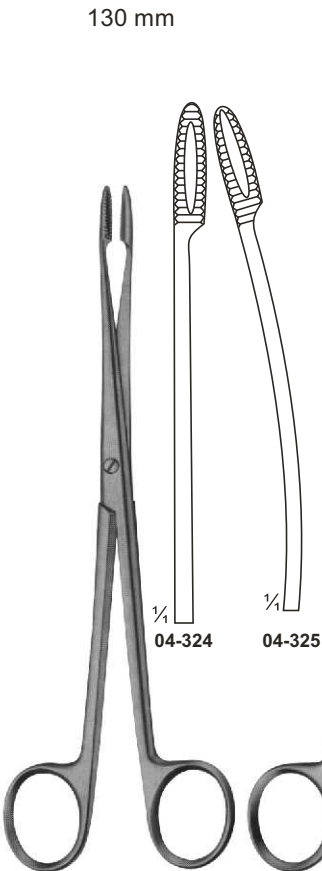
**04-319** 130 mm  
**04-320** 155 mm  
**04-321** 175 mm



**04-322**  
Without Ratchet  
145 mm

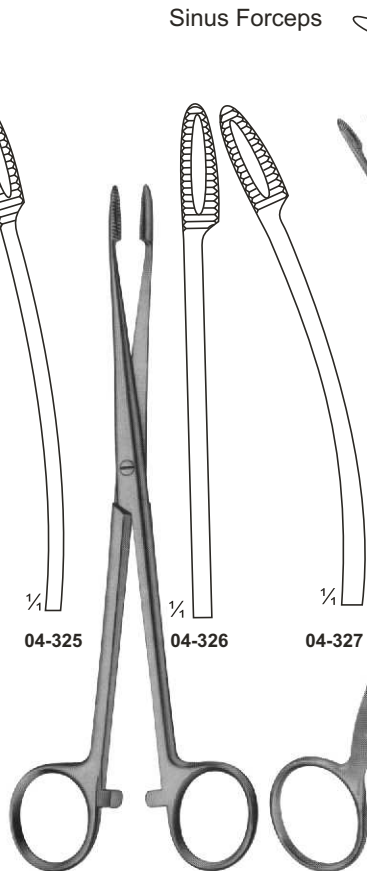


**04-323**  
With Ratchet  
145 mm



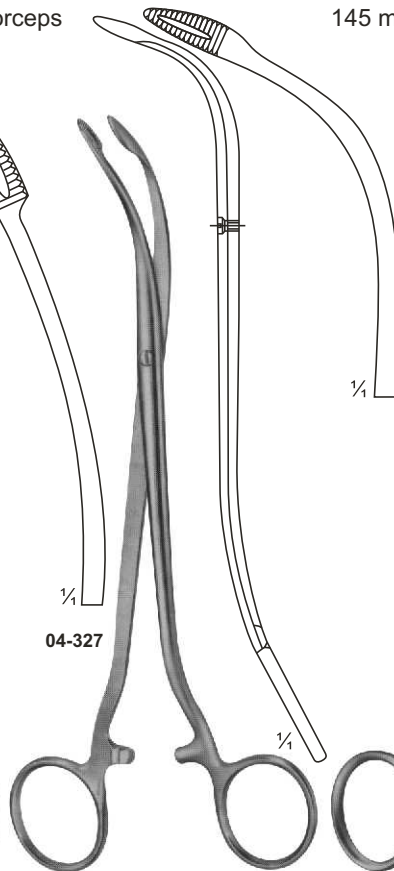
**04-324 - 325**  
GROSS  
Without Ratchet  
200 mm

**04-324** **04-325**

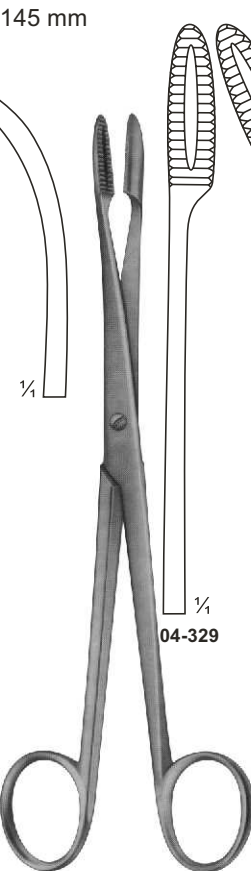


**04-326 - 327**  
GROSS  
With Ratchet  
180 mm

**04-326** **04-327**

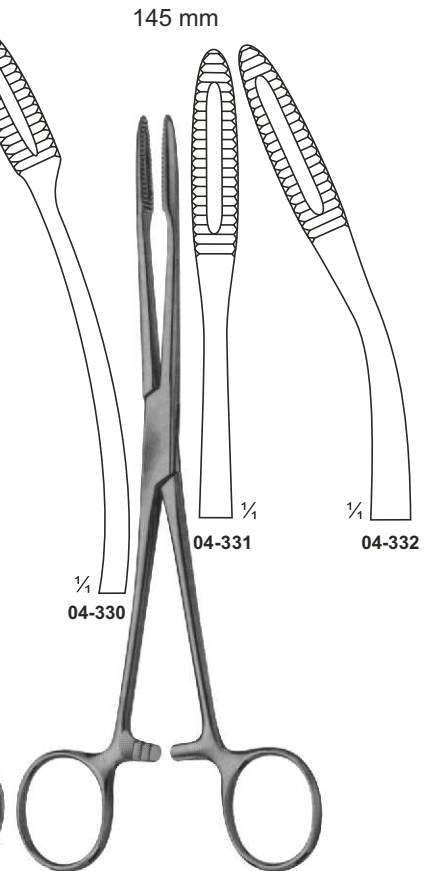


**04-328**  
DUPLAY  
190 mm



**04-329 - 330**  
GROSS  
Without Ratchet  
200 mm

**04-329** **04-330**



**04-331 - 332**  
GROSS  
With Ratchet  
200 mm

**04-331** **04-332**

# Sponge and Dressing Forceps



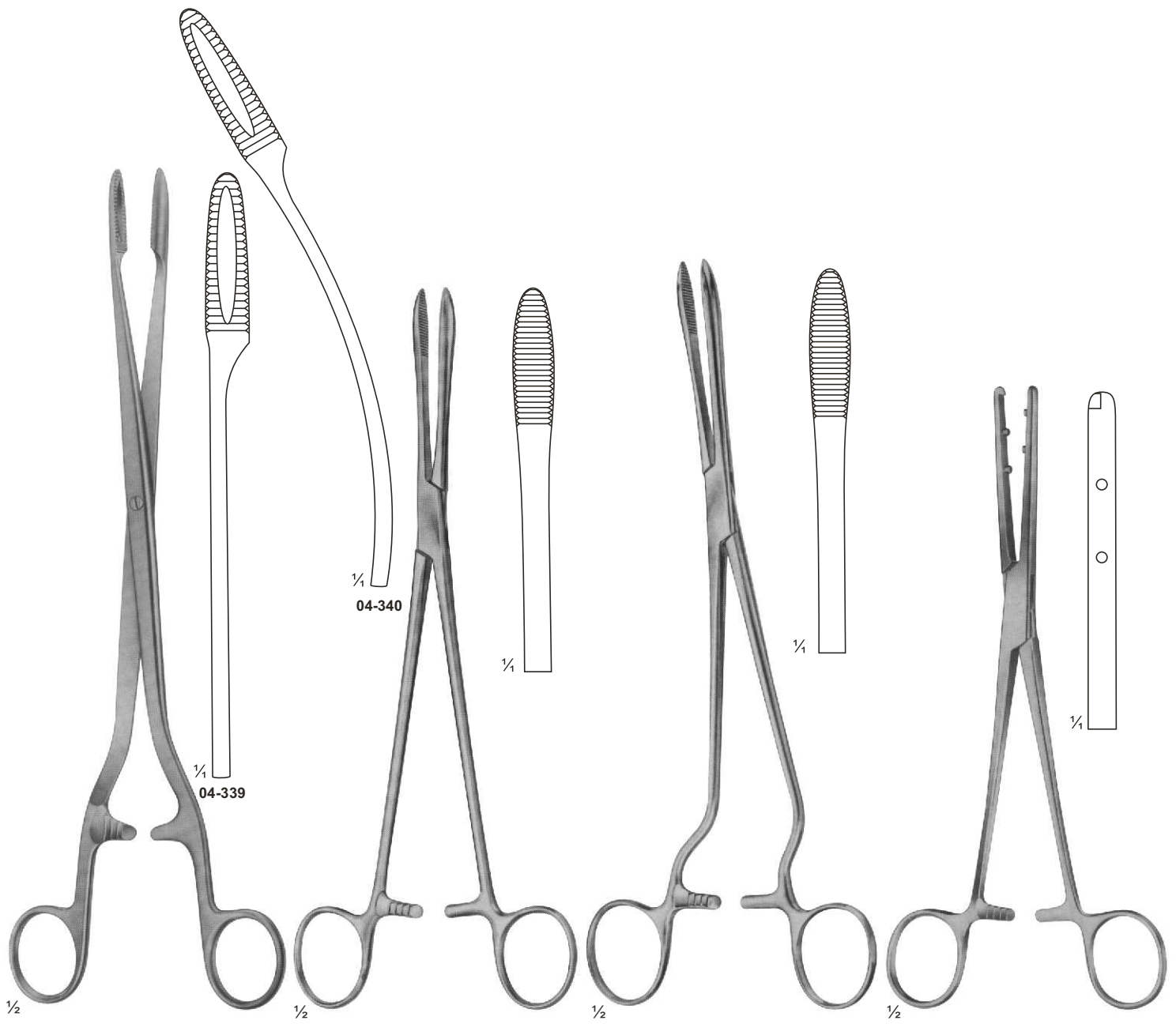
**04-333 - 334**  
AESCULAP  
220 mm

**04-335 - 336**  
MAIER  
Without Ratchet  
265 mm

**04-337 - 338**  
MAIER  
With Ratchet  
265 mm



# Sponge and Dressing Forceps



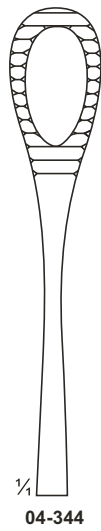
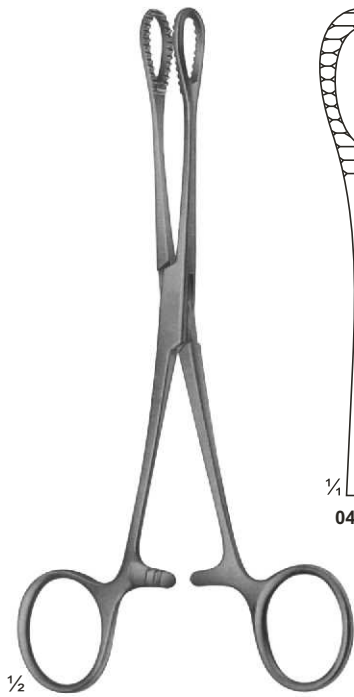
**04-339 - 340**  
SIMS-MAIER  
280 mm

**04-341**  
COLLIN  
240 mm

**04-342**  
CHERON  
Handles Laterally Angled  
240 mm

**04-343**  
EMMET  
210 mm

# Dressing, Sponge holding, Organ and Tissue Grasping Forceps



04-344



04-345

04-344 - 345  
FOERSTER-BALLENGER  
180 mm

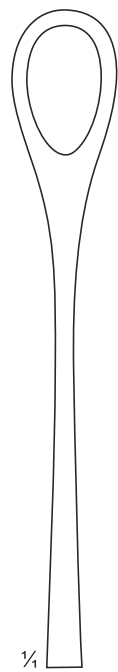


04-346  
180 mm



04-347  
250 mm

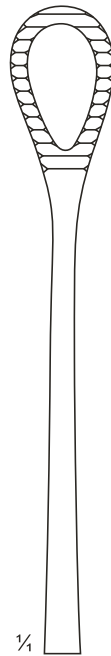
04-346 - 347  
RAMPLEY



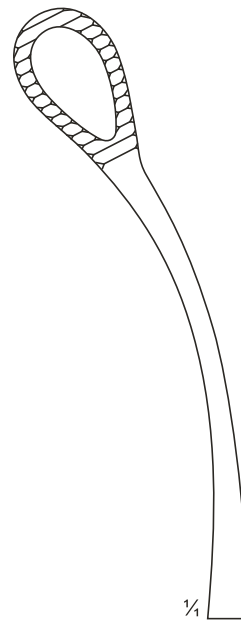
04-348  
Smooth Jaws



04-349  
Smooth Jaws

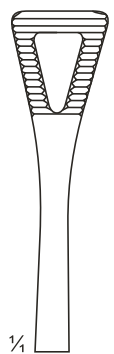
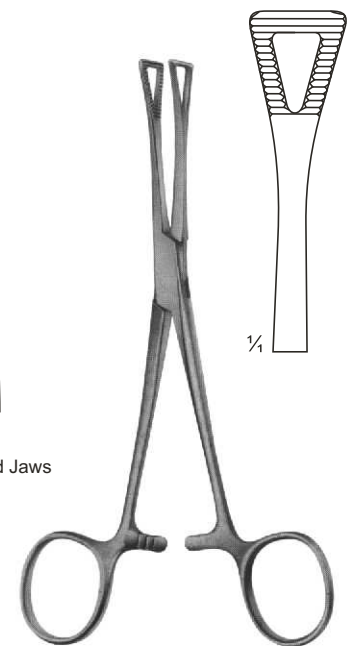


04-350  
Serrated Jaws



04-351  
Serrated Jaws

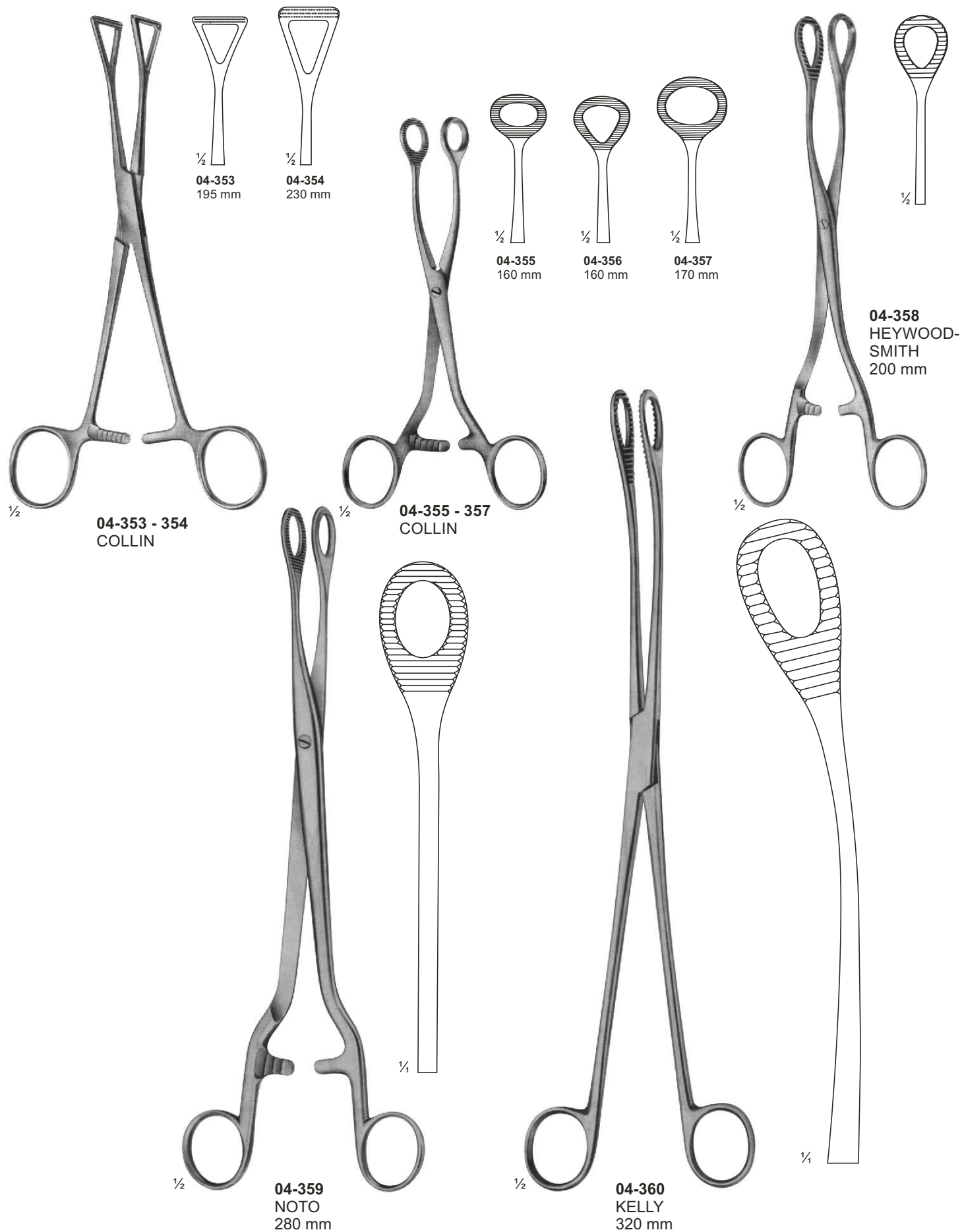
04-348 - 351  
FOERSTER-BALLENGER  
240 mm



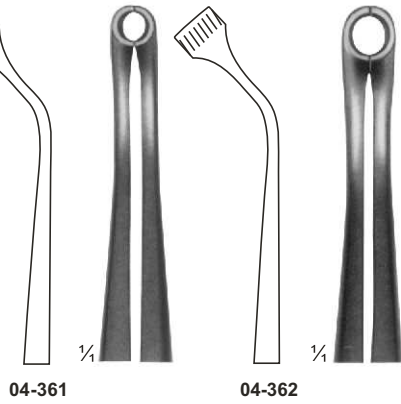
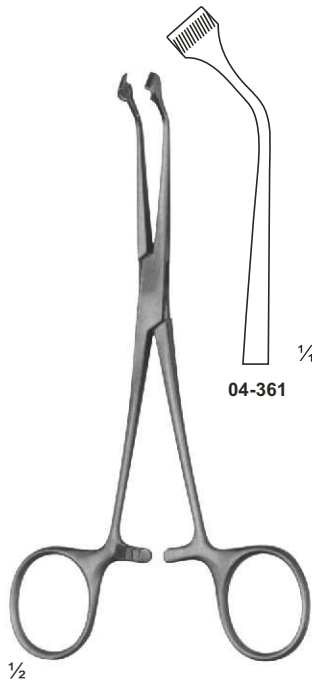
04-352

04-352  
PENNINGTON  
155 mm

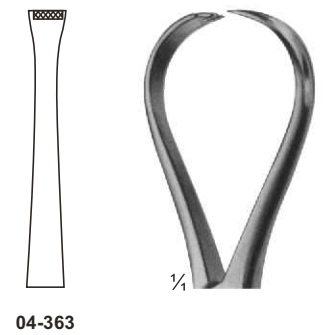
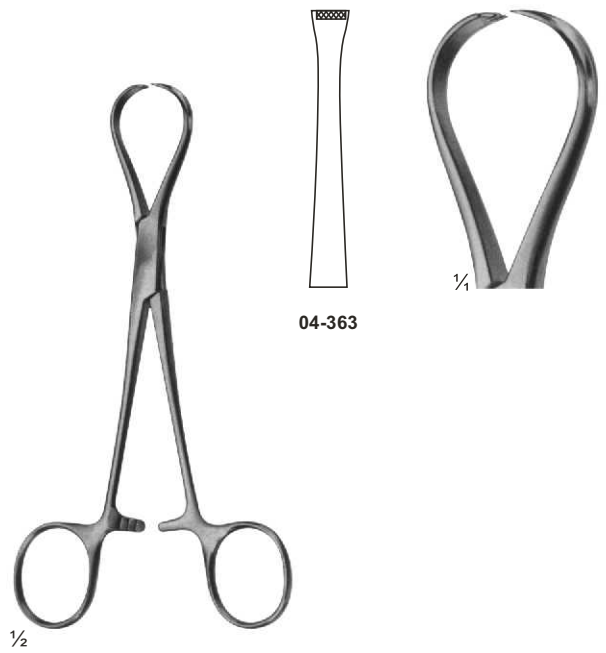
# Dressing, Sponge holding, Organ and Tissue Grasping Forceps



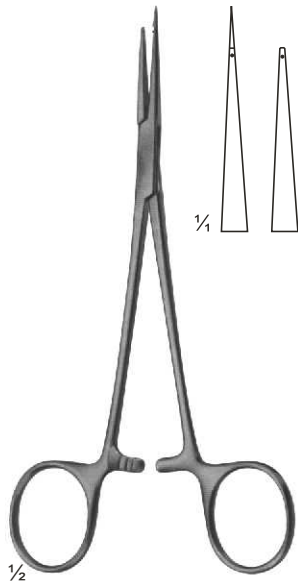
# Tendon Seizing Forceps



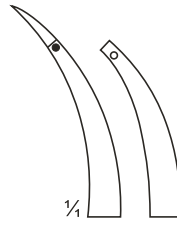
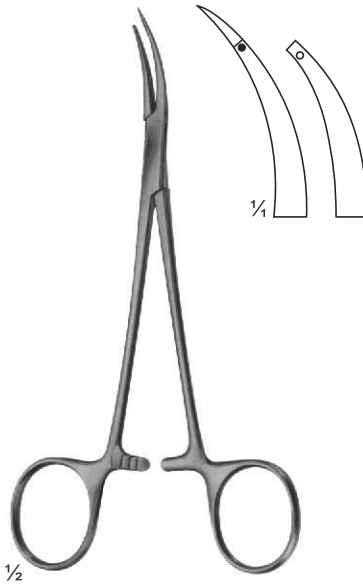
**04-361 - 362**  
HERZ  
155 mm



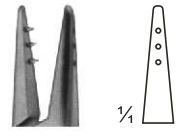
**04-363**  
JACKSON  
4 x 5 teeth  
150 mm



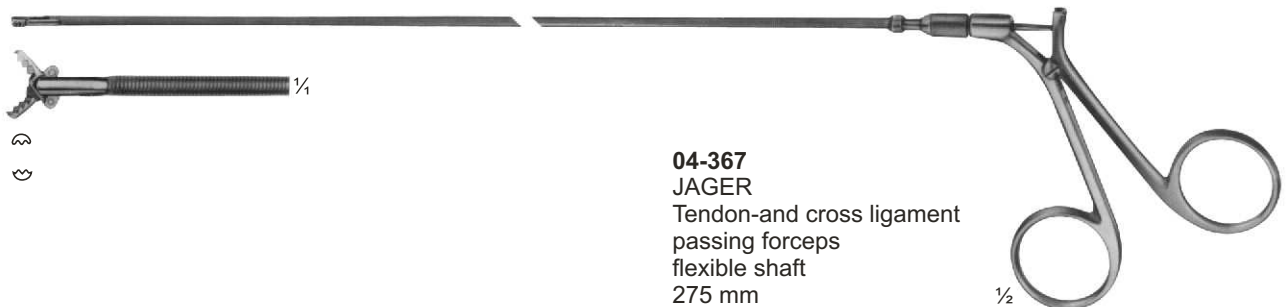
**04-364**  
150 mm



**04-365**  
150 mm

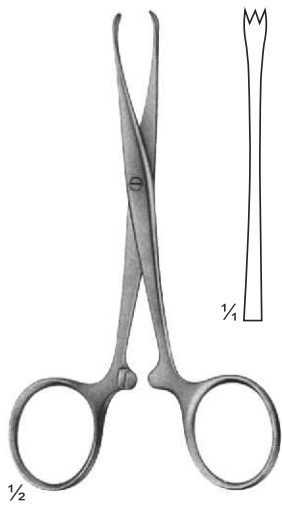


**04-366**  
120 mm

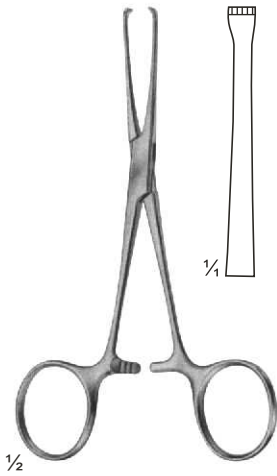


**04-367**  
JAGER  
Tendon-and cross ligament  
passing forceps  
flexible shaft  
275 mm

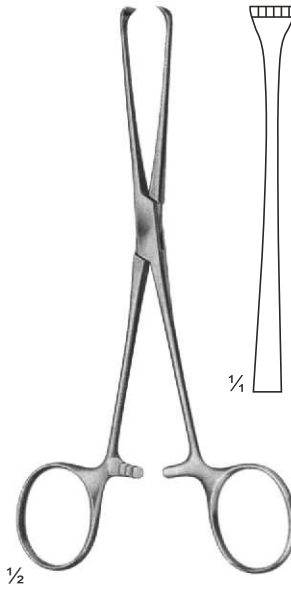
# Artery Traction - and Tissue Grasping Forceps



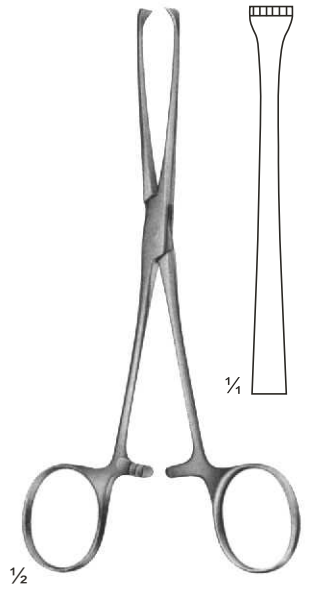
**04-368**  
**CHAPUT**  
 2 x 3 teeth  
 125 mm



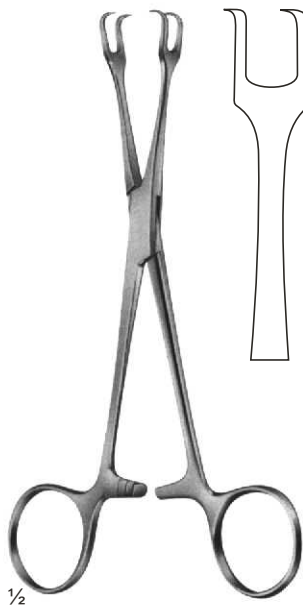
**04-369**  
**BABY-ALLIS**  
 4 x 5 teeth  
 130 mm



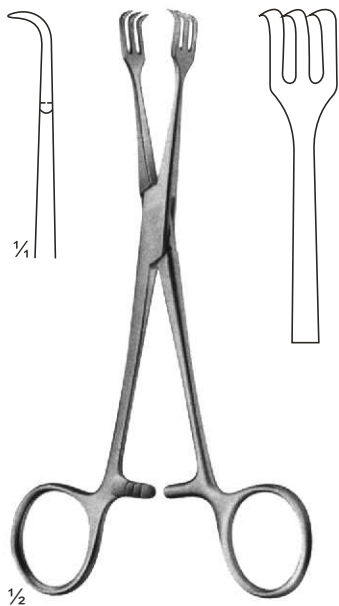
**04-370**  
**BOYS-ALLIS**  
 5 x 6 teeth  
 155 mm



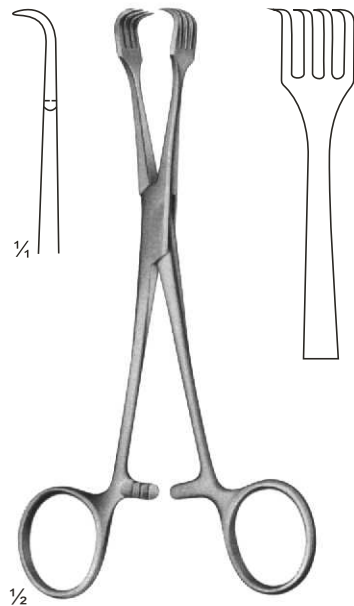
**04-371**  
**ALLIS**  
 5 x 6 teeth  
 155 mm



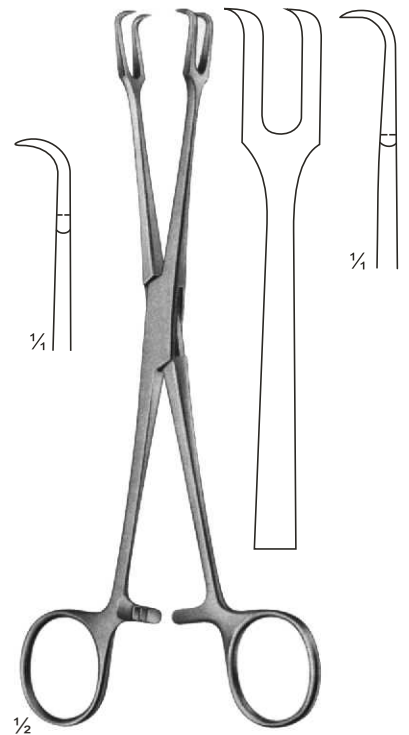
**04-372**  
**LAHEY**  
 135 mm



**04-373**  
**LAHEY**  
 135 mm



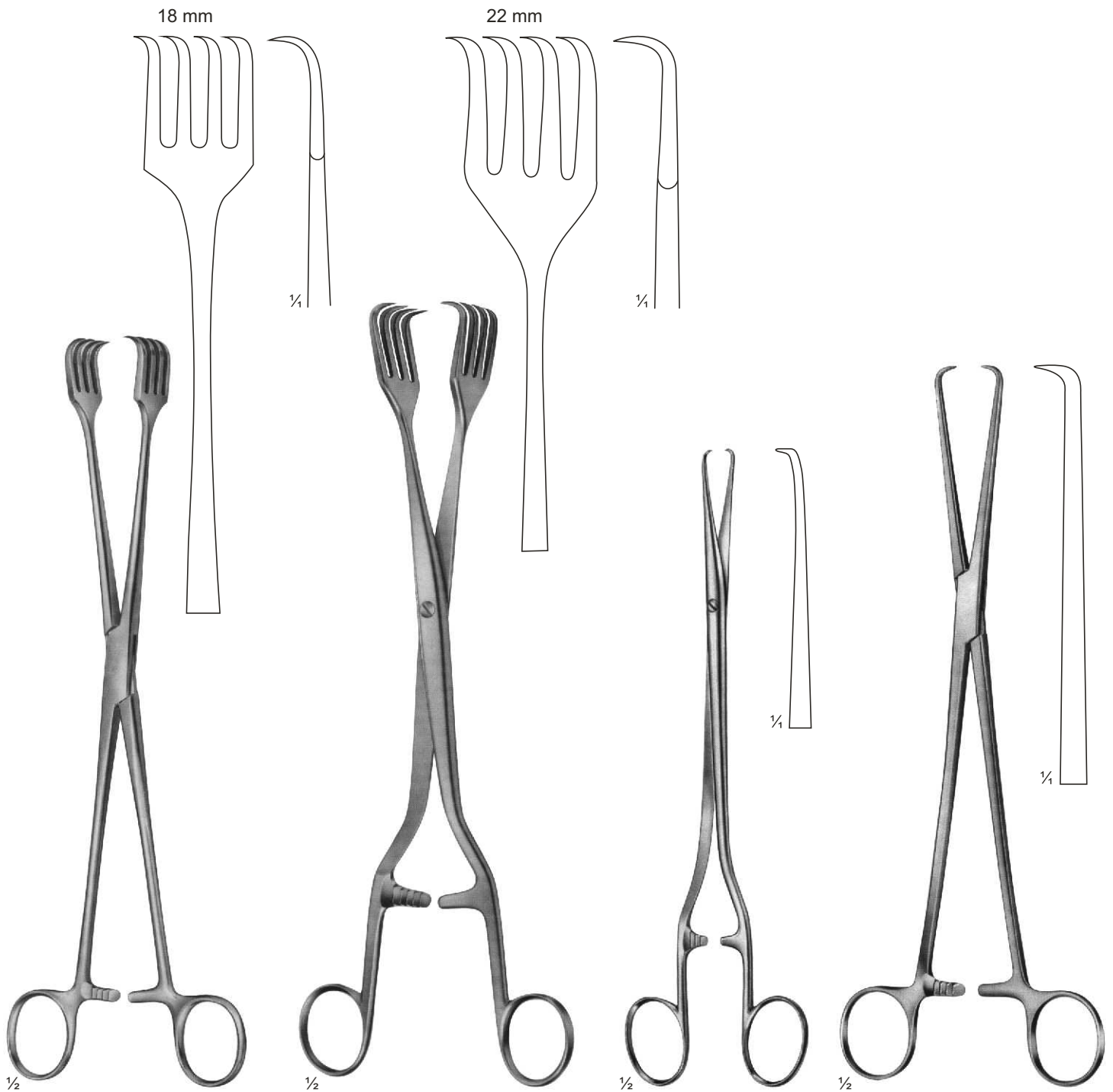
**04-374**  
**BRAUN**  
 155 mm



**04-375**  
**MUSEUX**  
 200 mm



# Organ - and Tissue Grasping Forceps



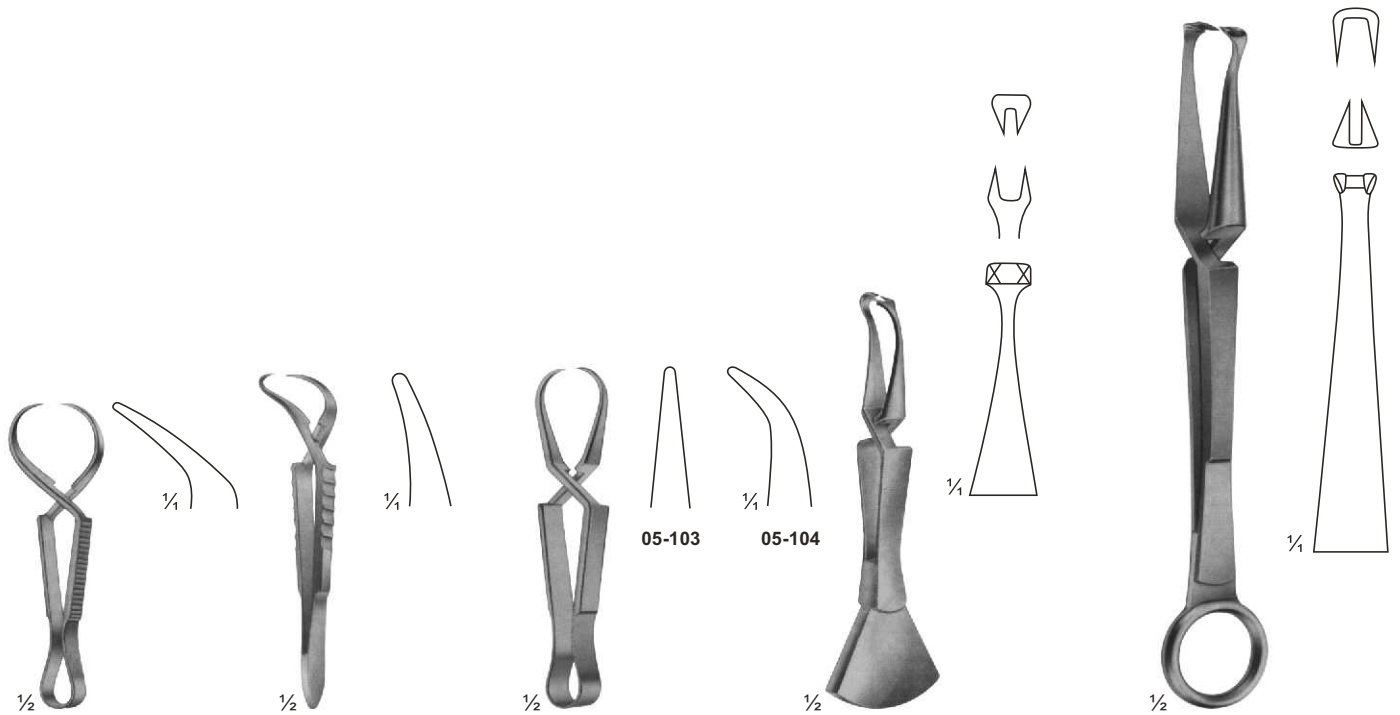
**04-376**  
AESCULAP  
260 mm

**04-377**  
PRATT  
270 mm

**04-378**  
TIEMANN  
Bullet forceps  
220 mm

**04-379**  
SCHRODER  
250 mm

# Towel Clamps



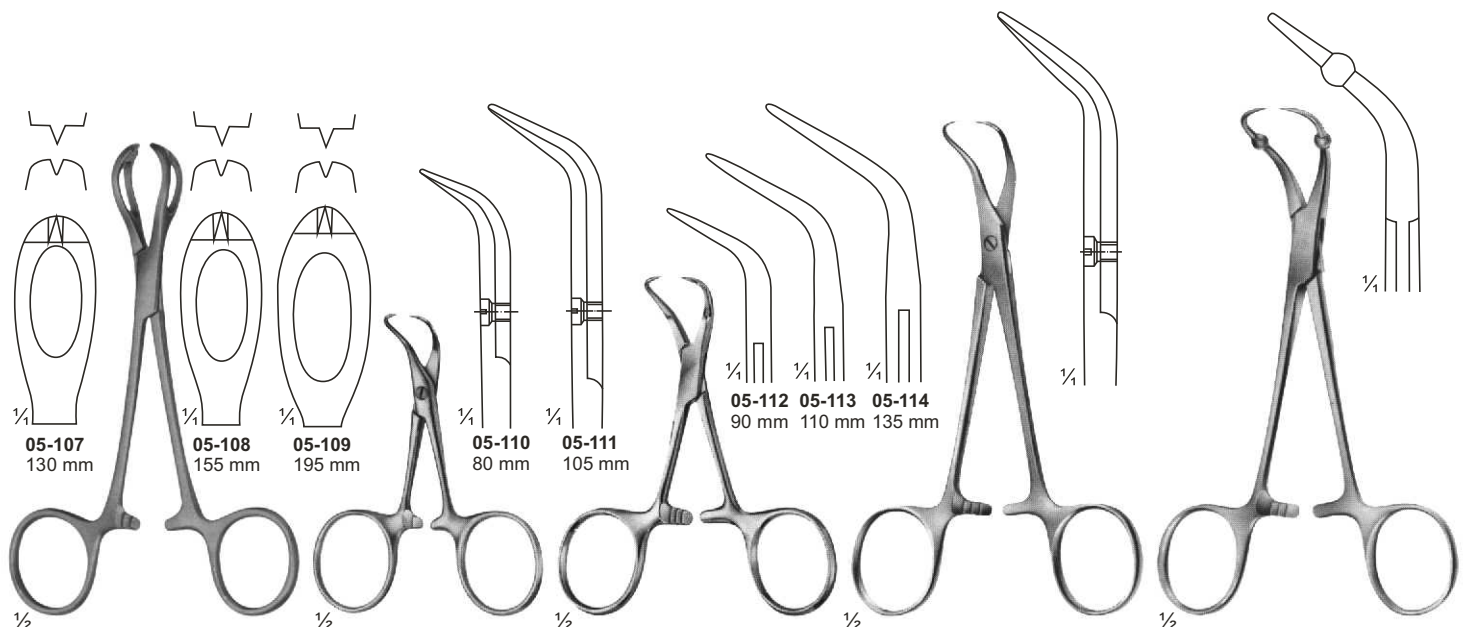
**05-101**  
JONES  
85 mm

**05-102**  
ENGL. MOD.  
85 mm

**05-103 - 104**  
SCHAEDEL  
85 mm

**05-105**  
DOYEN  
110 mm

**05-106**  
DOYEN  
180 mm



**05-107**  
130 mm

**05-108**  
155 mm

**05-109**  
195 mm

**05-110**  
80 mm

**05-111**  
105 mm

**05-112 05-113 05-114**  
90 mm 110 mm 135 mm

**05-107 - 109**  
LANE

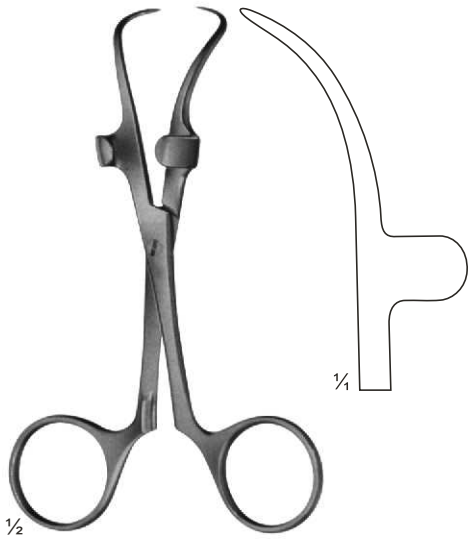
**05-110 - 111**  
BACKHAUS

**05-112 - 114**  
BACKHAUS

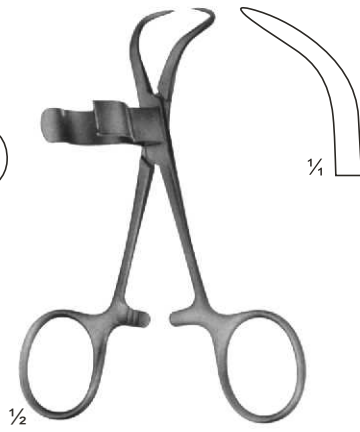
**05-115**  
BACKHAUS-KOCHER  
135 mm

**05-116**  
ROEDER  
135 mm

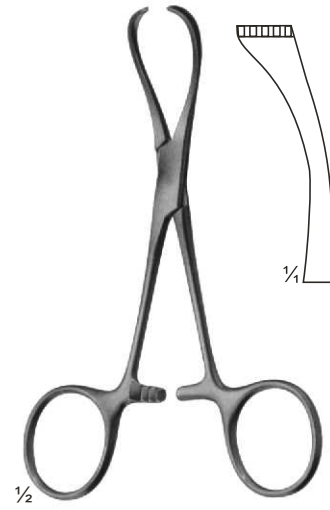
# Towel Clamps



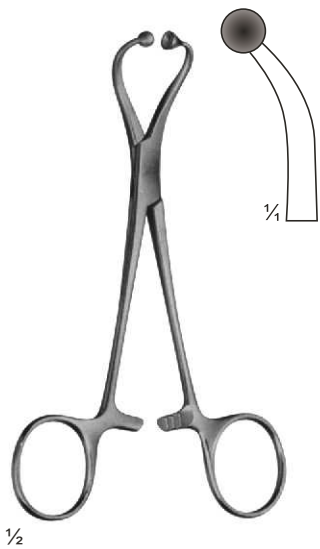
**05-117**  
**ROBIN**  
 with holders for tubing  
 up to 13 mm  
 135 mm



**05-118**  
 with clip for tubing  
 up to 15 mm  
 110 mm



**05-119**  
**LORNA**  
 non perforating  
 130 mm



**05-120**  
 for paper cloths  
 140 mm



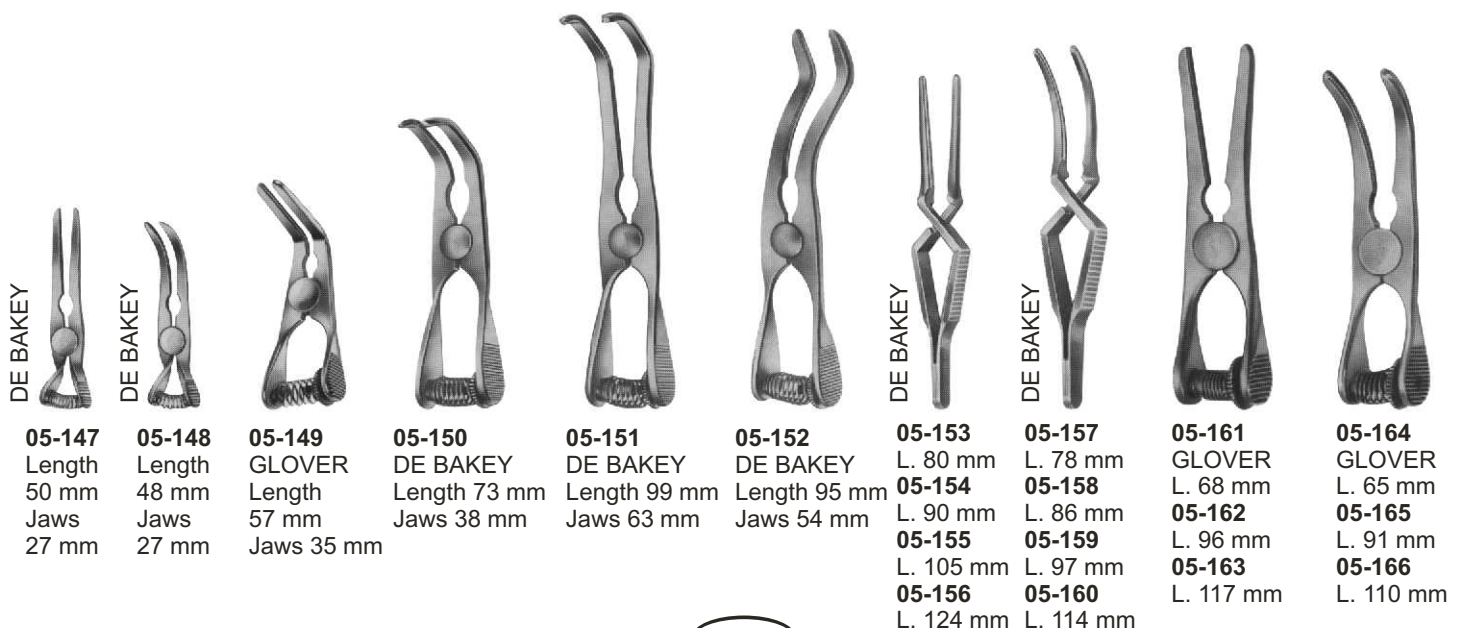
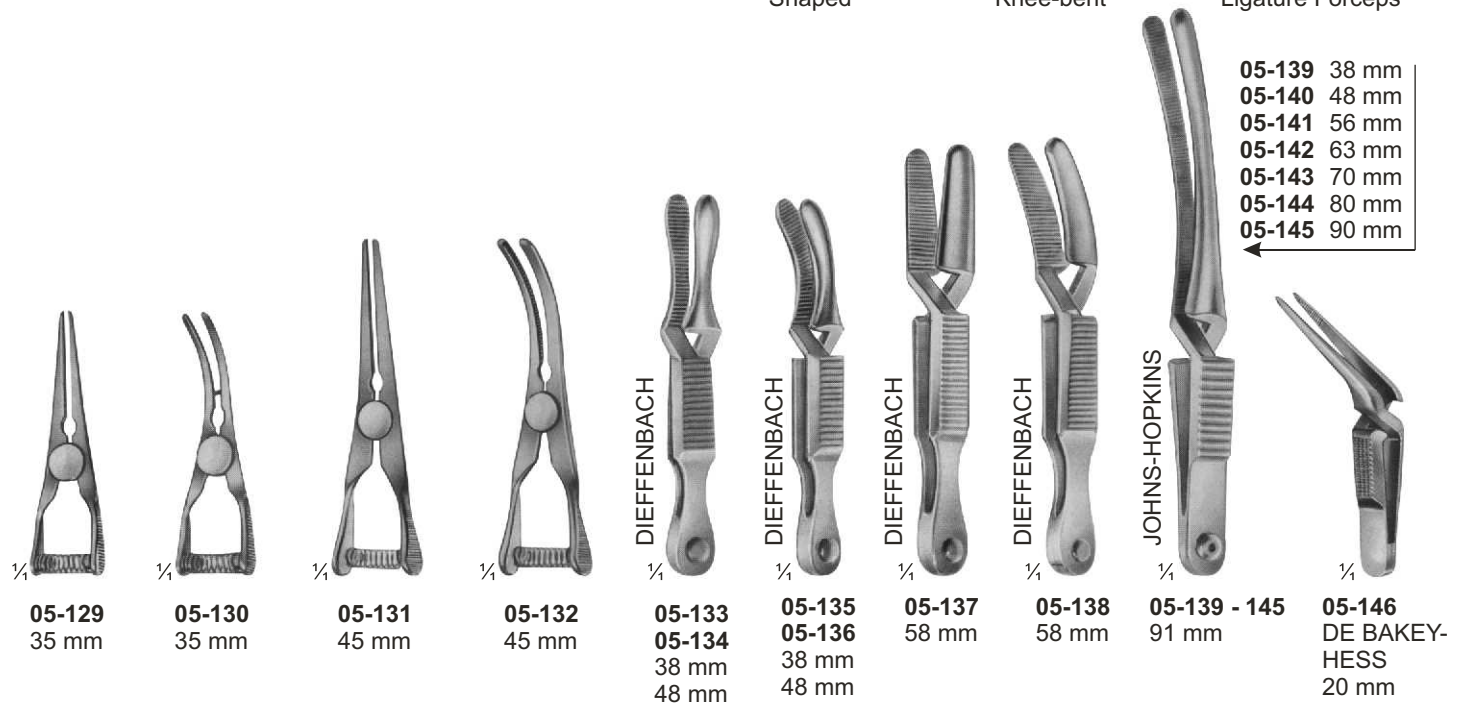
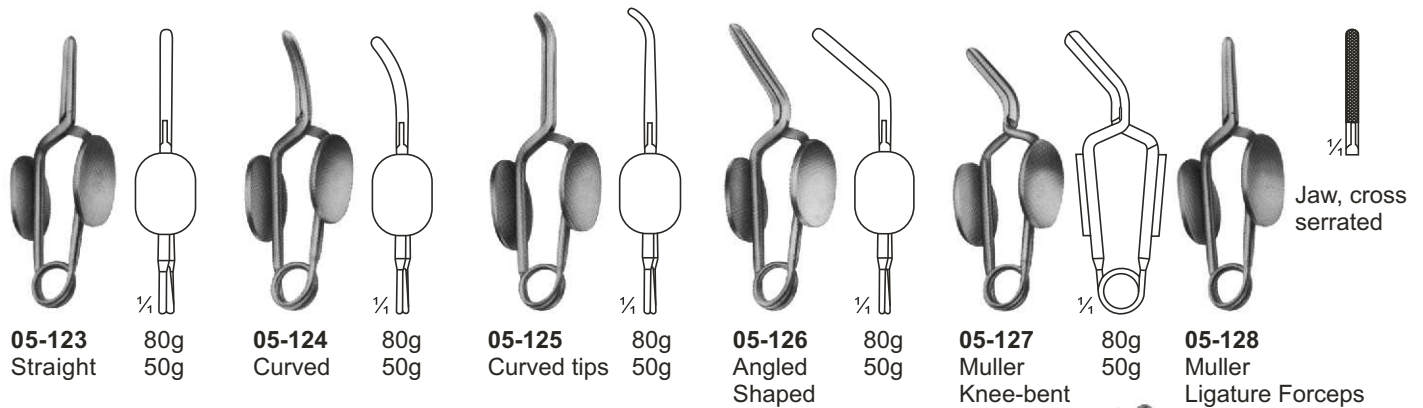
**05-121**  
**BUNT**  
 105 mm



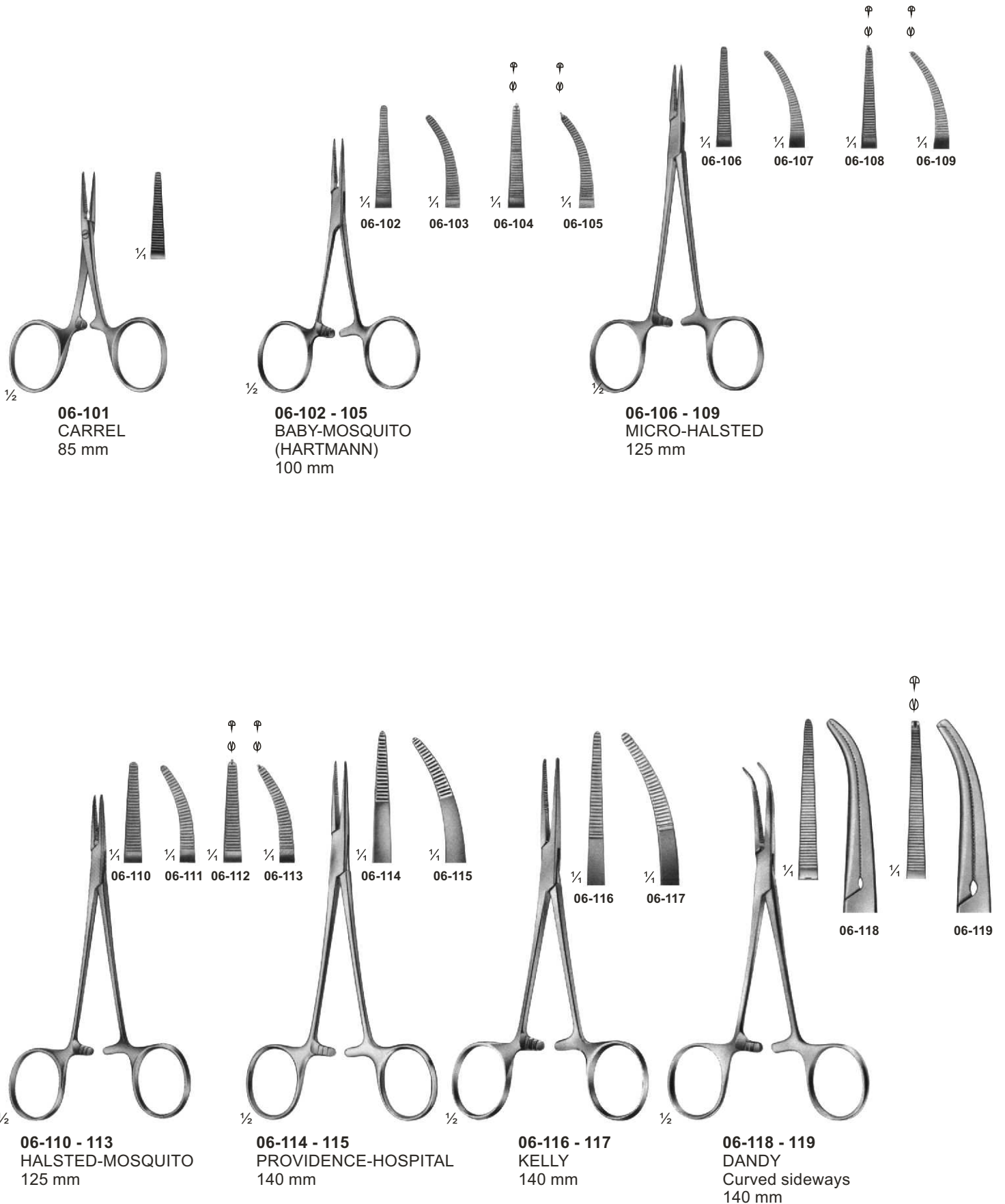
**05-122**  
**MAYO**  
 140 mm

# Muller Vessel Clips and Bulldog Clamps

## Closing force

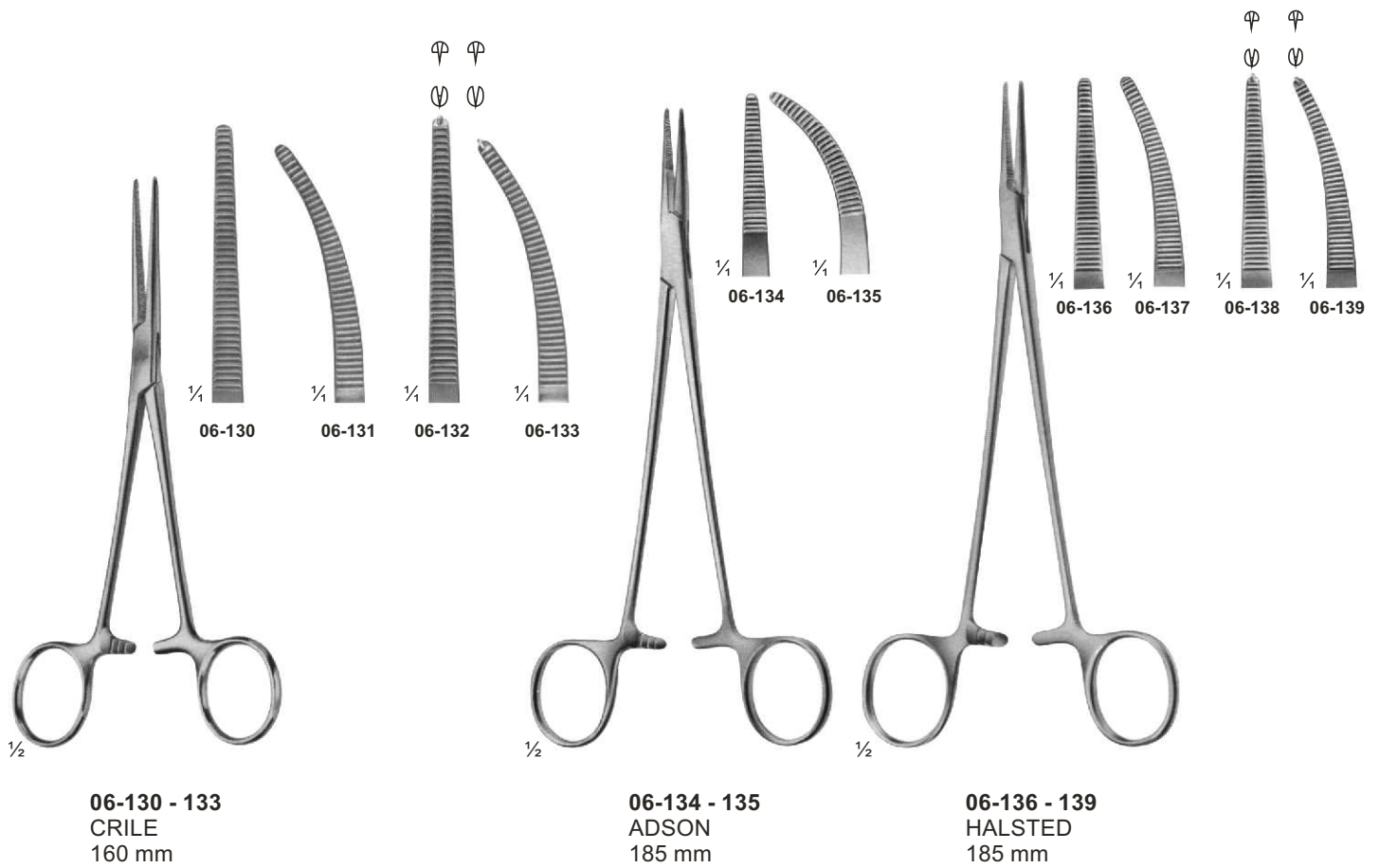
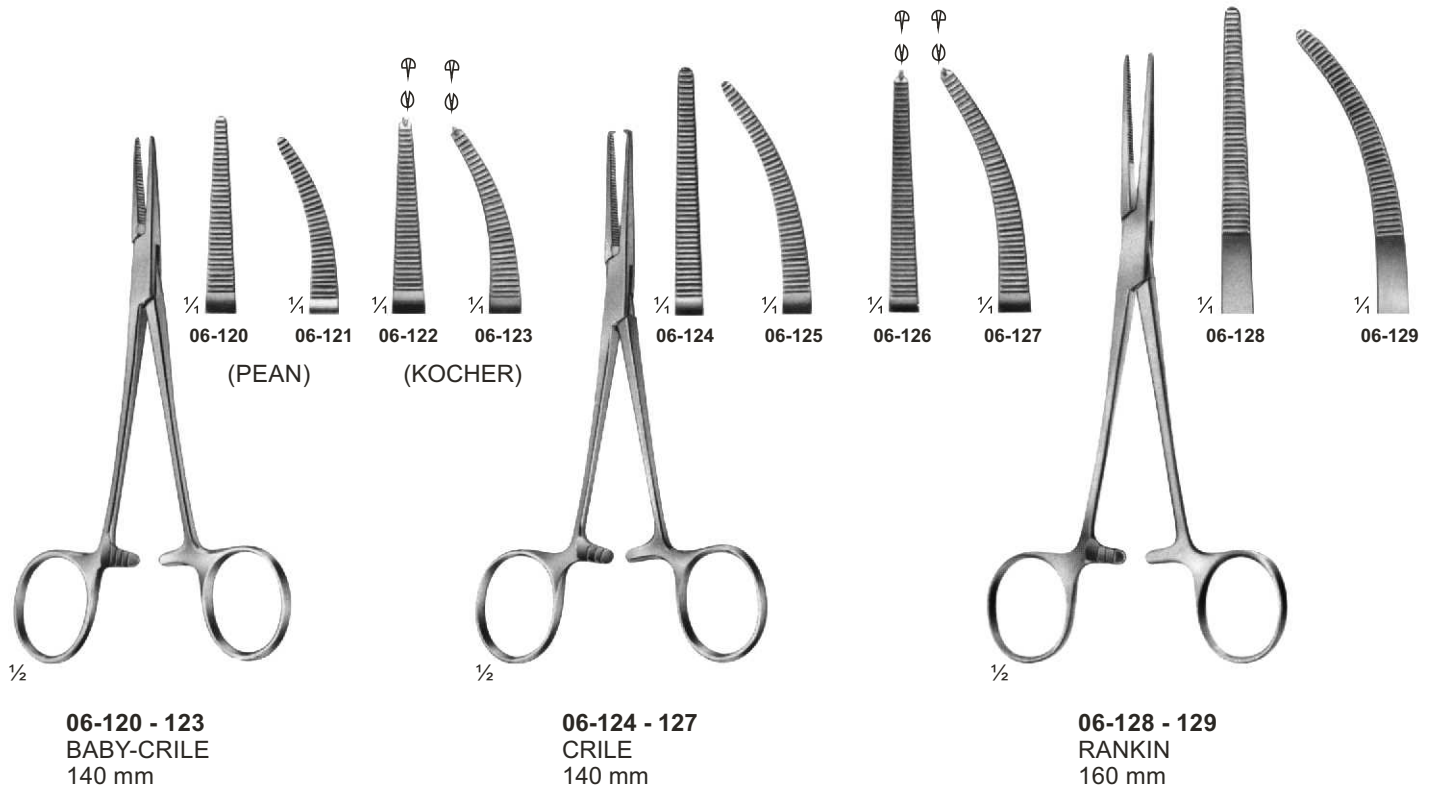


# Delicate Haemostatic Forceps

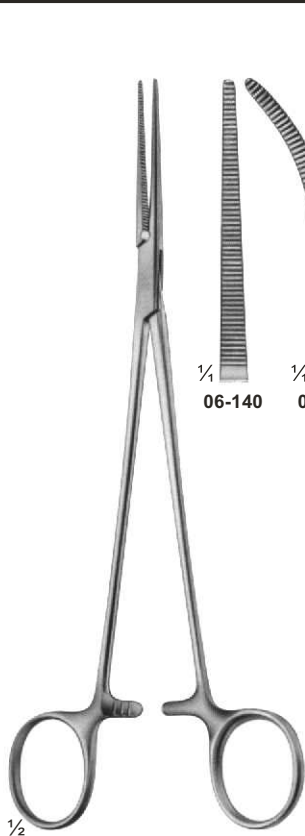




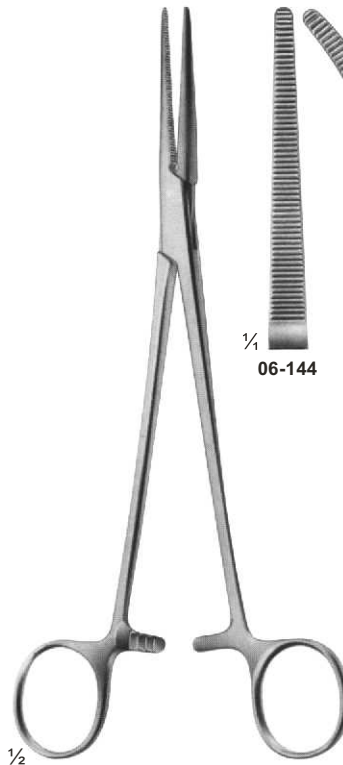
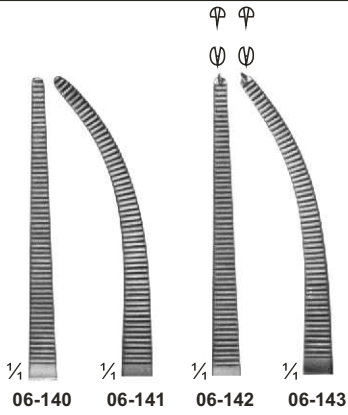
# Delicate Haemostatic Forceps



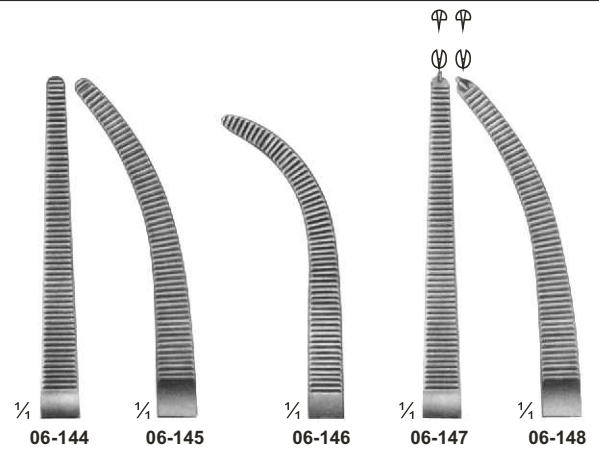
# Delicate Haemostatic Forceps



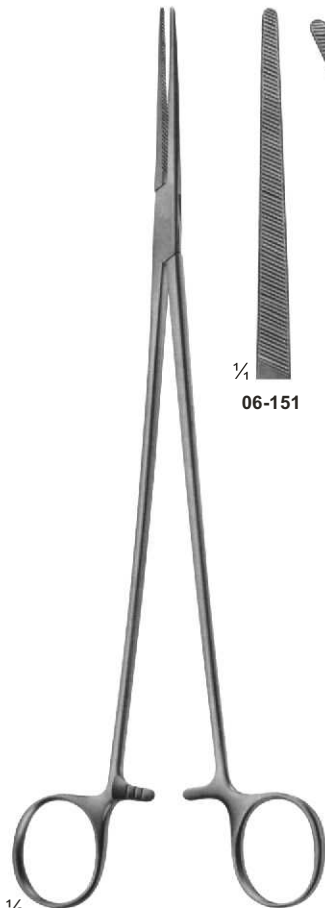
**06-140 - 143**  
HALSTED-MOSQUITO  
200 mm



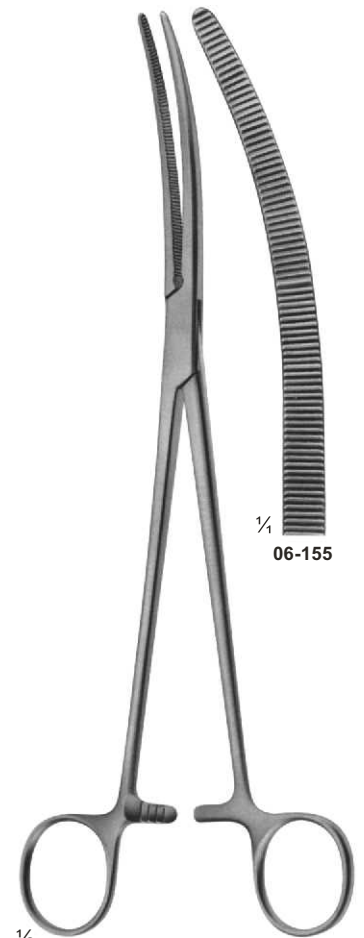
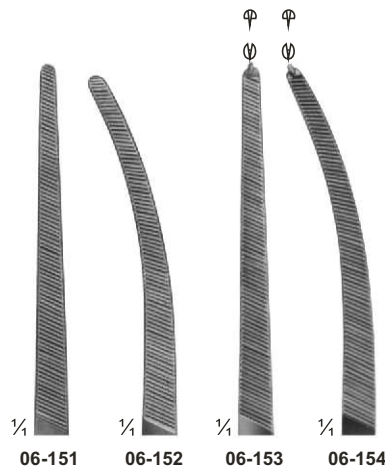
**06-144 - 148**  
HEISS  
200 mm



**06-149 - 150**  
HALSTED  
215 mm



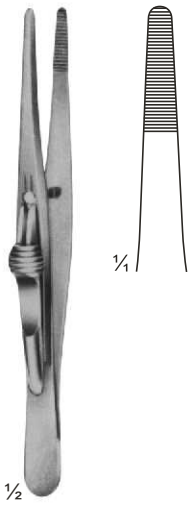
**06-151 - 154**  
BENGOLEA  
245 mm



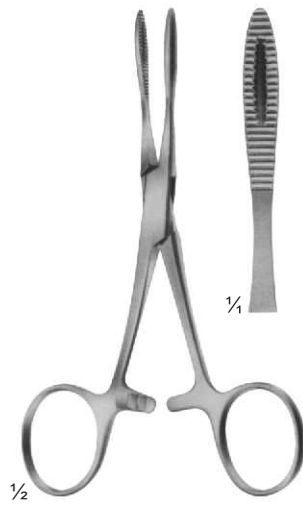
**06-155**  
CRAFOORD  
245 mm



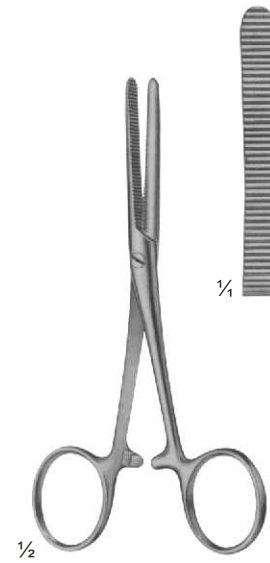
# Haemostatic Forceps



**06-156**  
FRICKE  
Artery forceps  
130 mm



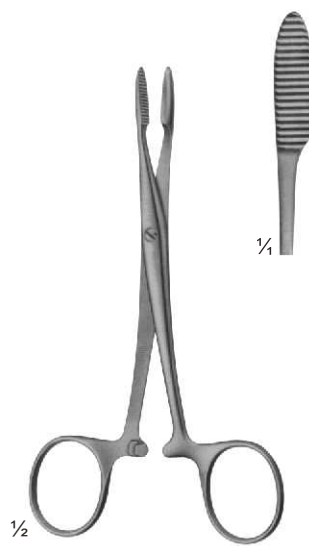
**06-157**  
KRONLEIN  
130 mm



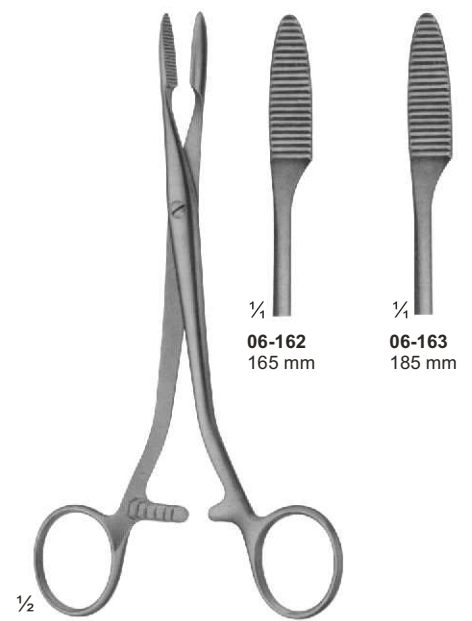
**06-158**  
PEAN  
125 mm



**06-159 - 160**  
PEAN

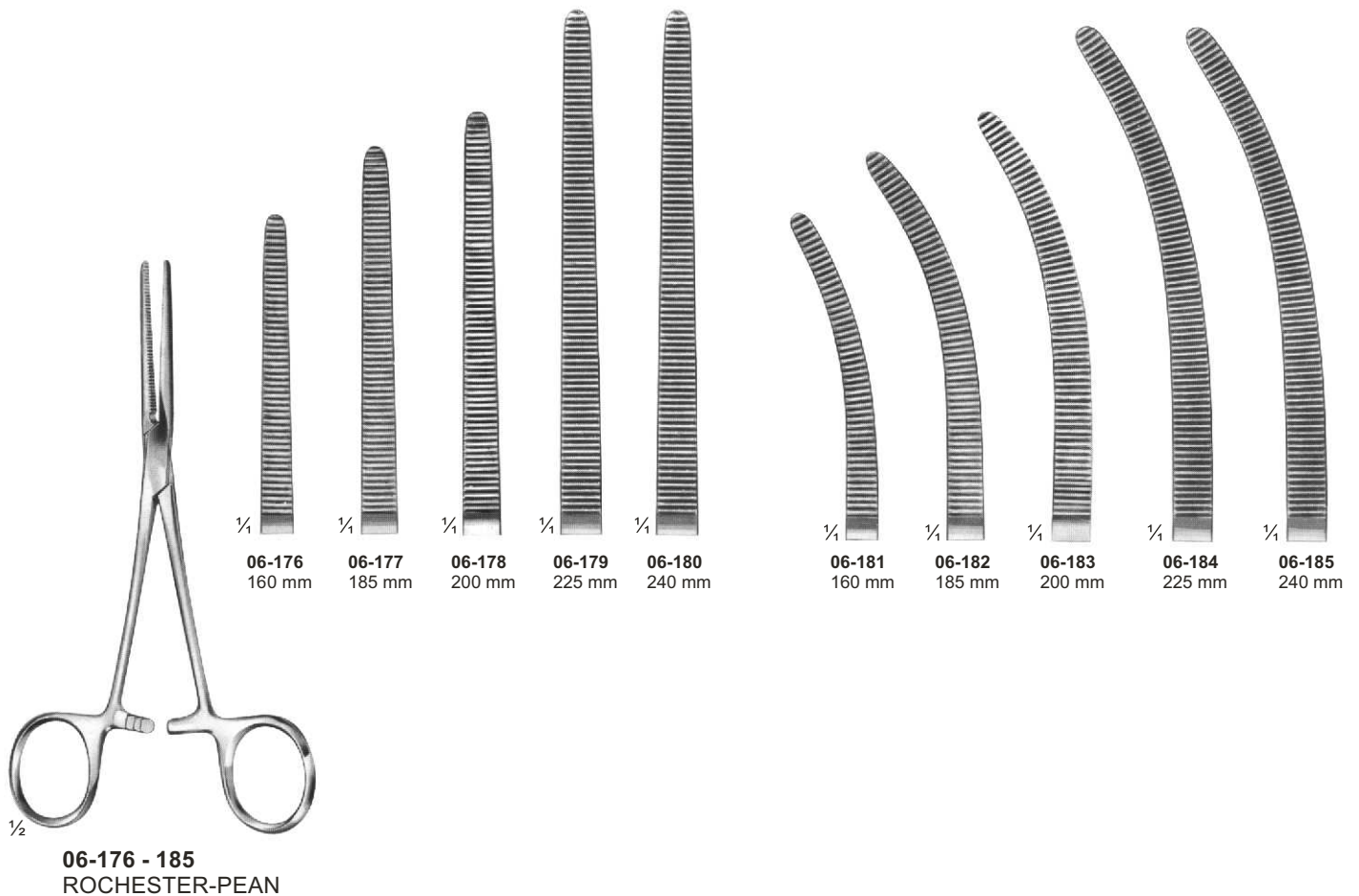
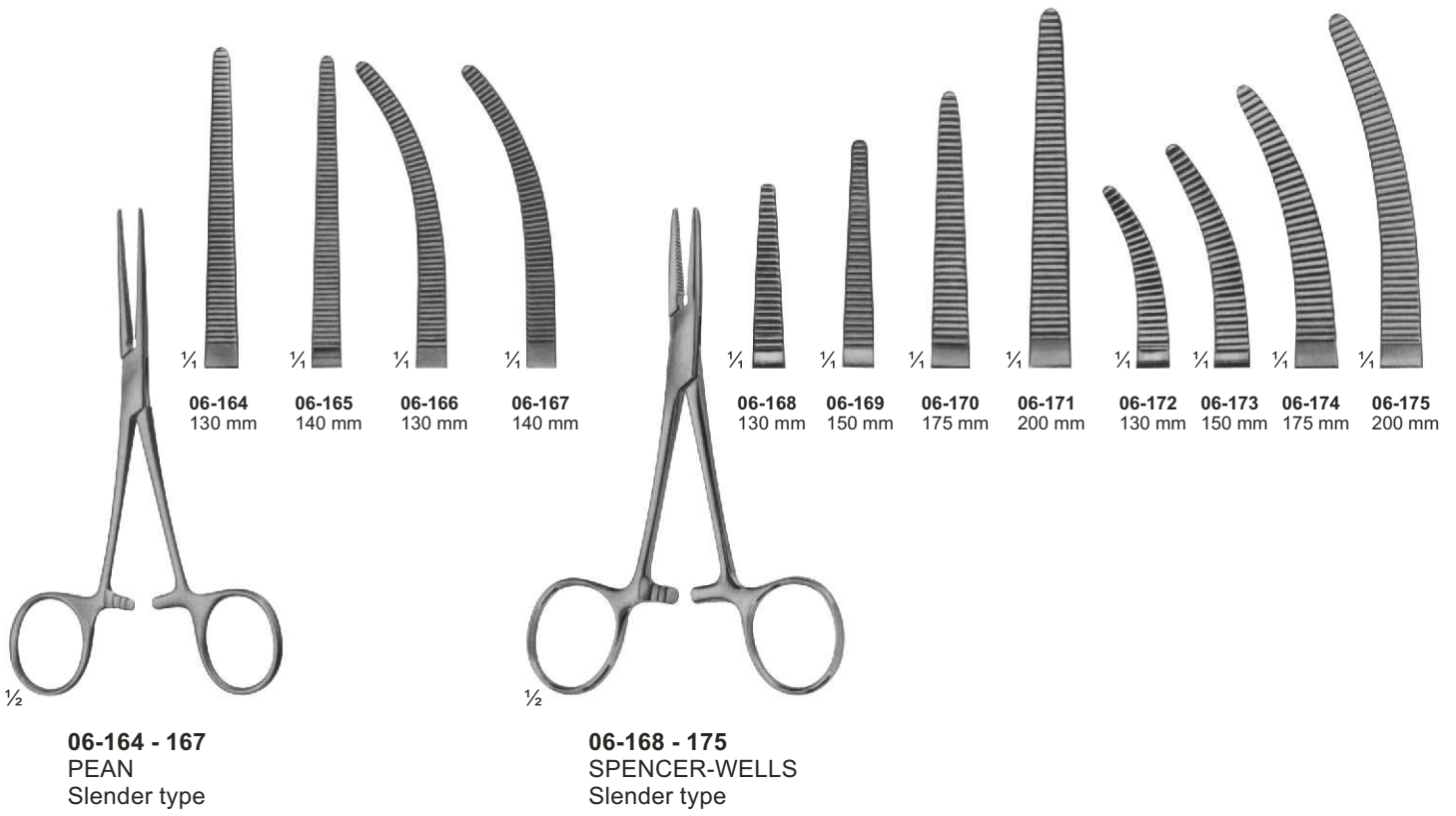


**06-161**  
PEAN

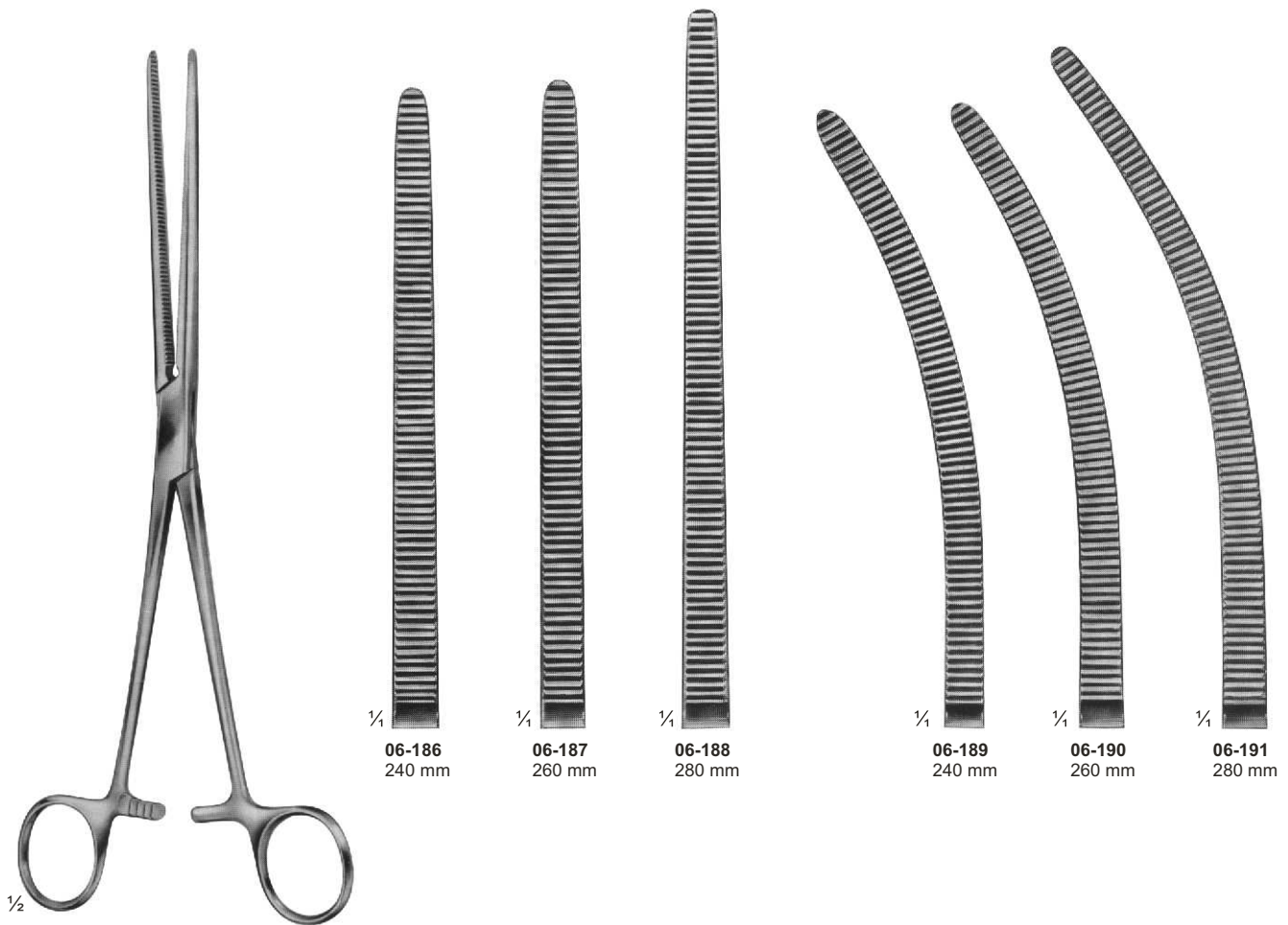


**06-162 - 163**  
PEAN

# Haemostatic Forceps



# Haemostatic Forceps



**06-186 - 191**  
PEAN

**06-186**  
240 mm

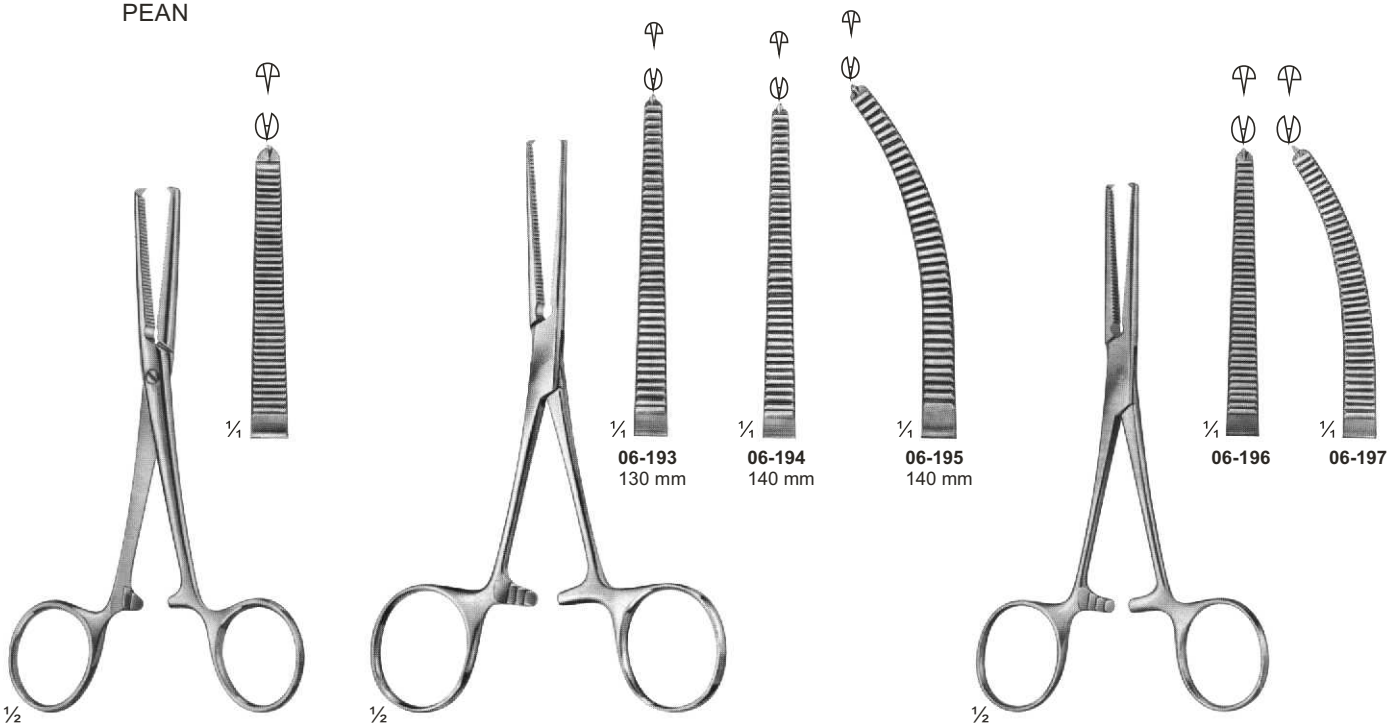
**06-187**  
260 mm

**06-188**  
280 mm

**06-189**  
240 mm

**06-190**  
260 mm

**06-191**  
280 mm



**06-192**  
KOCHER  
Strong Pattern  
145 mm

**06-193 - 195**  
KOCHER

**06-193**  
130 mm

**06-194**  
140 mm

**06-195**  
140 mm

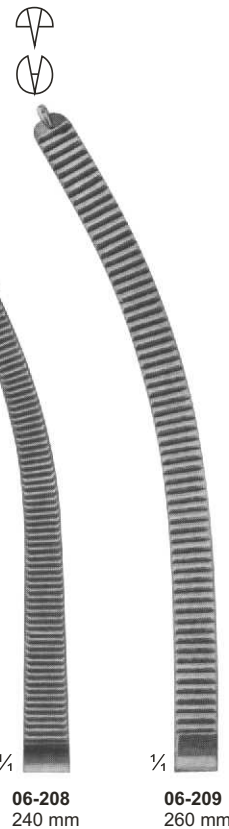
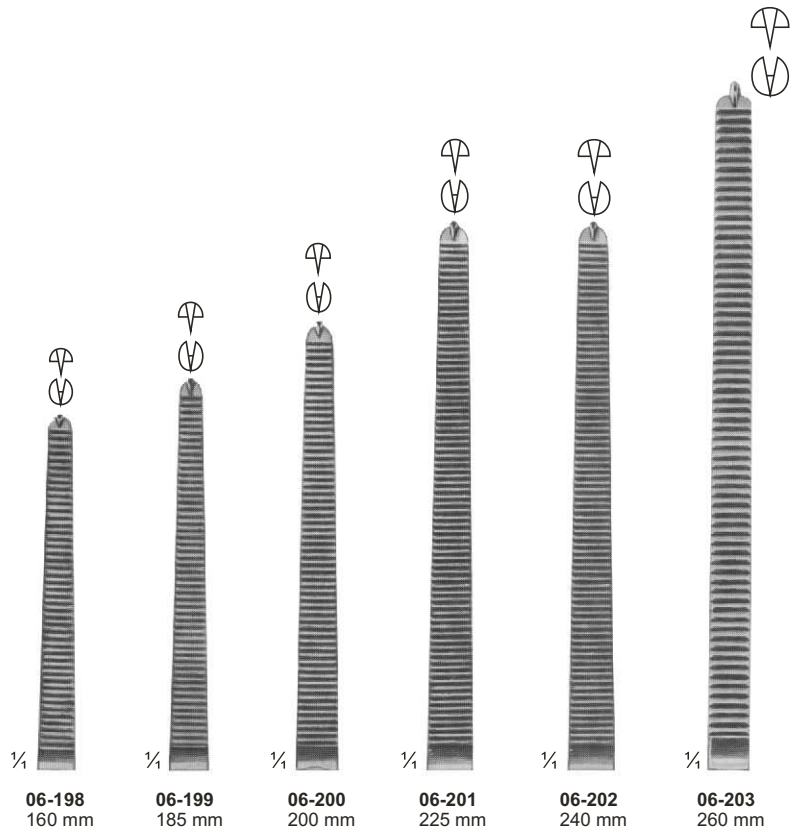
**06-196 - 197**  
ROCHESTER-OSHSNER  
140 mm

**06-196**

**06-197**

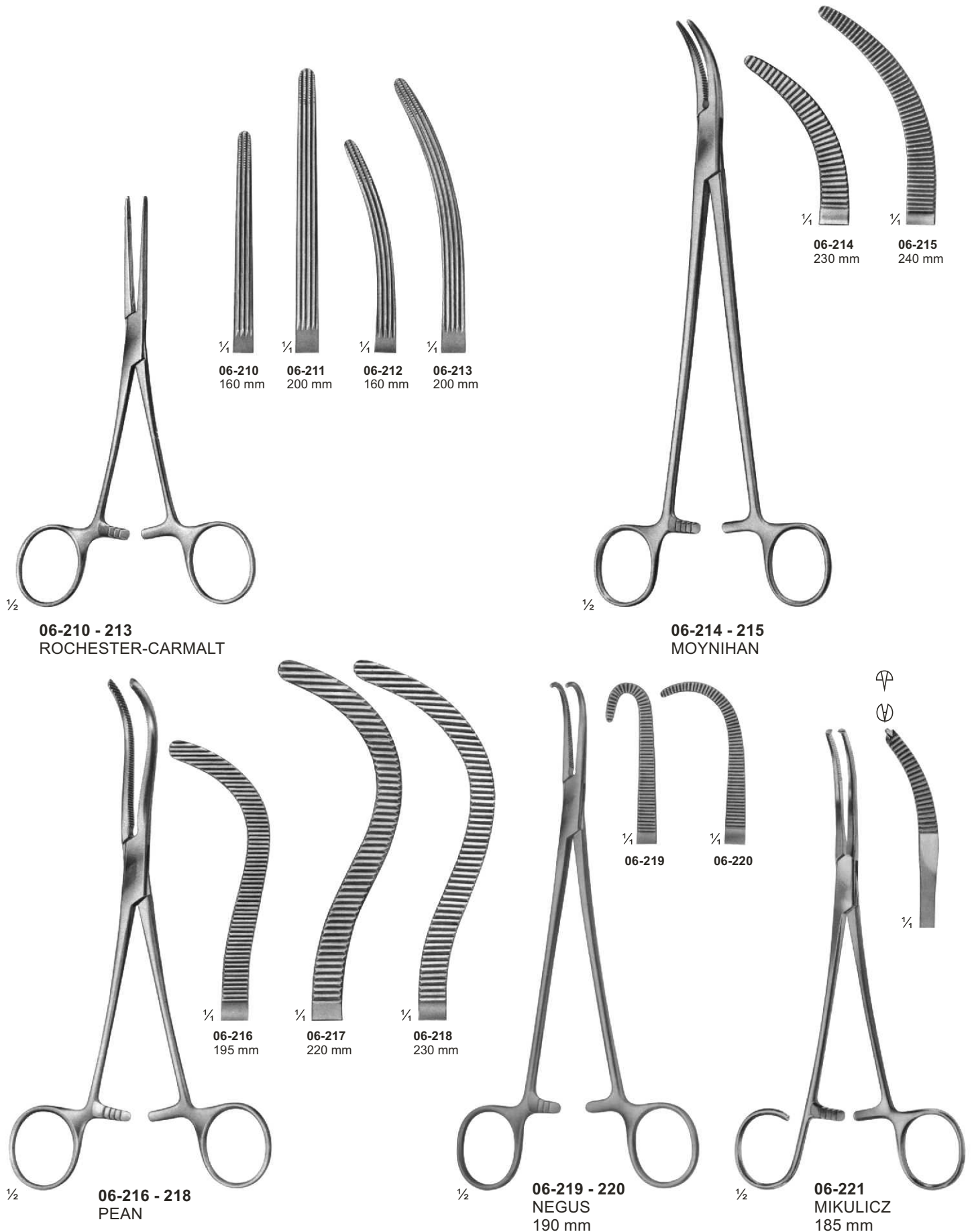


# Haemostatic Forceps

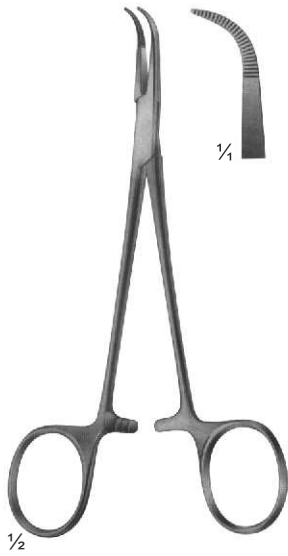


**06-198 - 209**  
KOCHER-OCHSNER

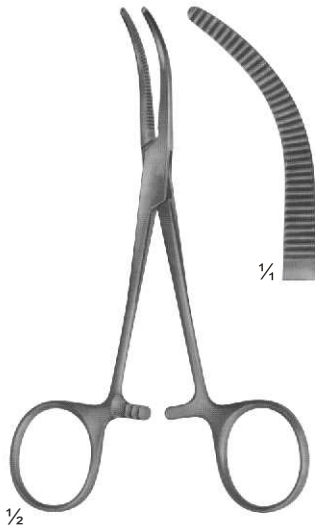
# Haemostatic Forceps, Special Pattern, Tonsil Forceps



# Dissecting- and Ligature Forceps



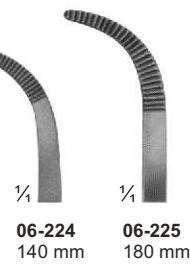
**06-222**  
MICRO-ADSON  
140 mm



**06-223**  
BABY-OVERHOLT  
135 mm



**06-224 - 225**  
BABY-MIXTER



**06-224**  
140 mm

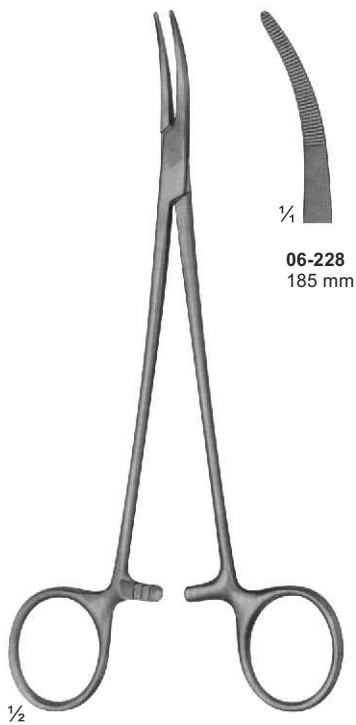
**06-225**  
180 mm



**06-226 - 227**  
BABY-ADSON

**06-226**  
140 mm

**06-227**  
180 mm



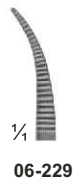
**06-228**  
NISSEN



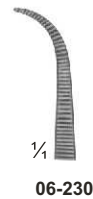
**06-228**  
185 mm



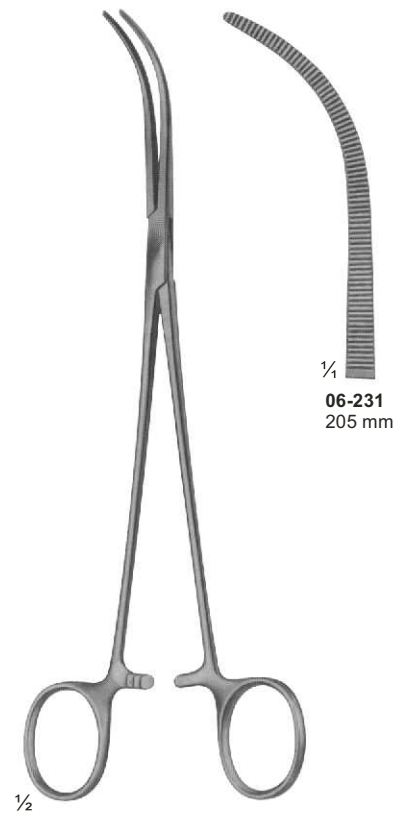
**06-229 - 230**  
YASARGIL  
195 mm



**06-229**



**06-230**

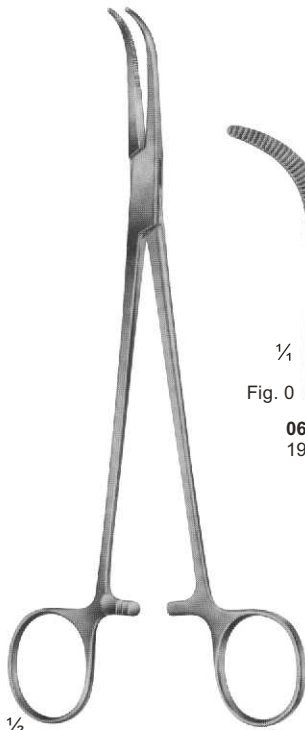


**06-231**  
OVERHOLT-MIXTER



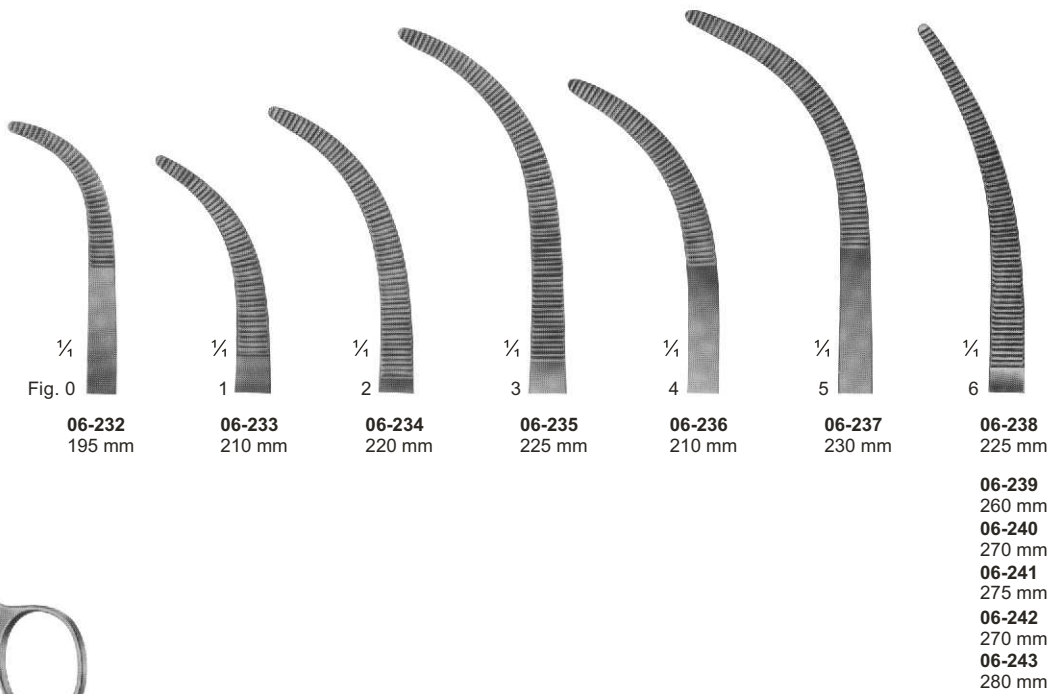
**06-231**  
205 mm

# Dissecting- and Ligature Forceps

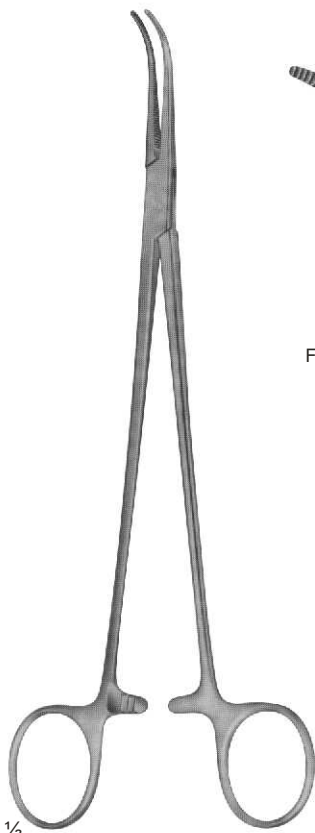


1/2

**06-232 - 243**  
OVERHOLT-GEISSENDOERFER

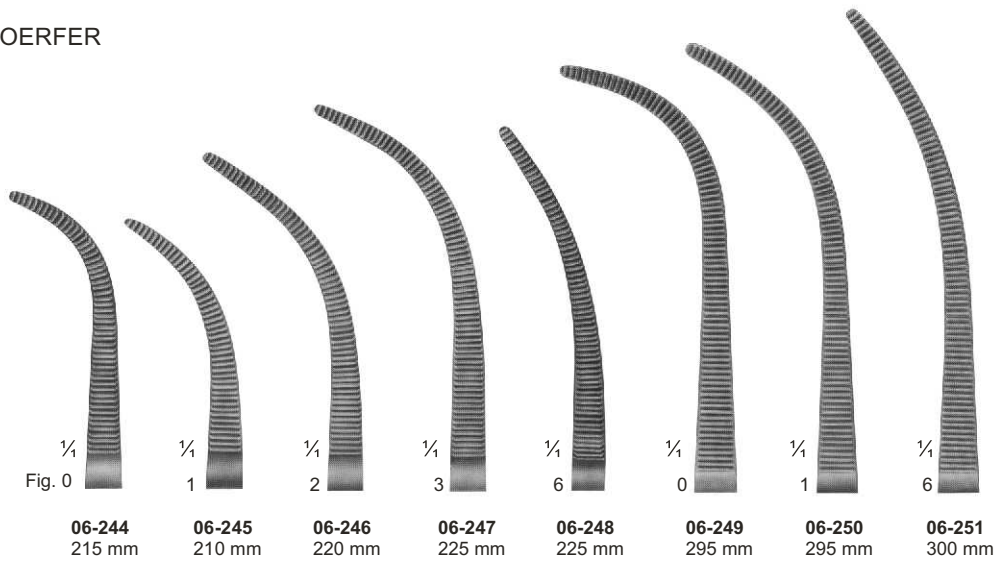


**06-239**  
260 mm  
**06-240**  
270 mm  
**06-241**  
275 mm  
**06-242**  
270 mm  
**06-243**  
280 mm

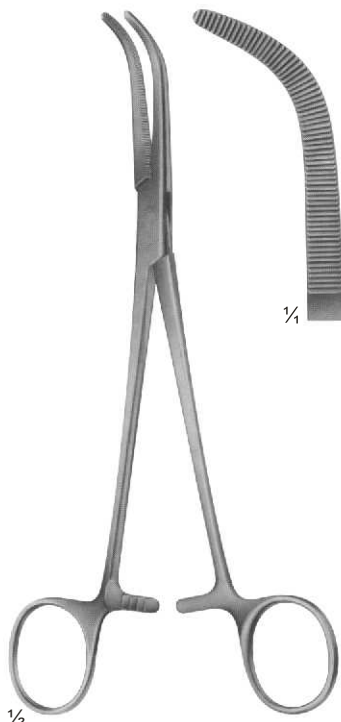


1/2

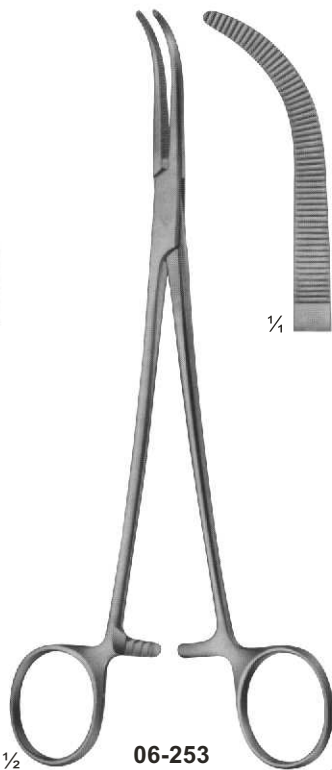
**06-244 - 251**  
OVERHOLT  
fine pattern



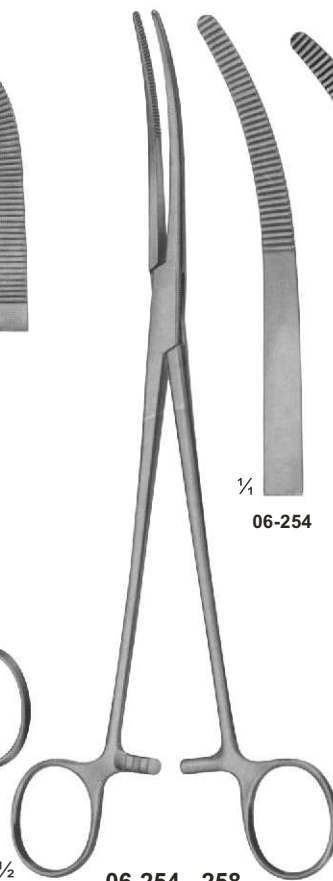
# Dissecting- and Ligature Forceps



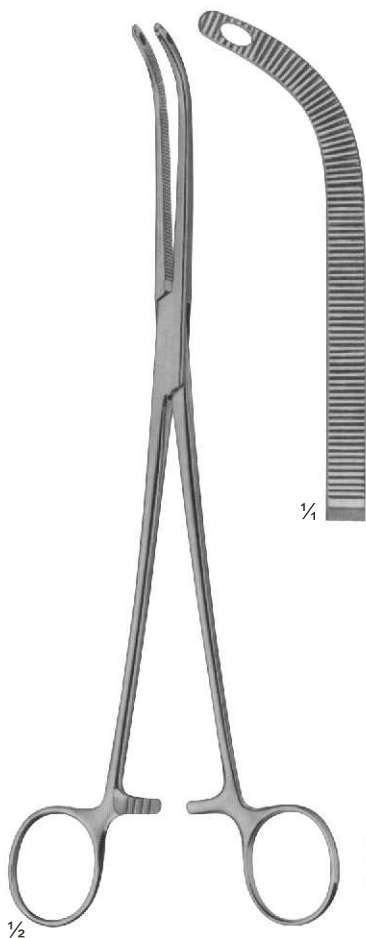
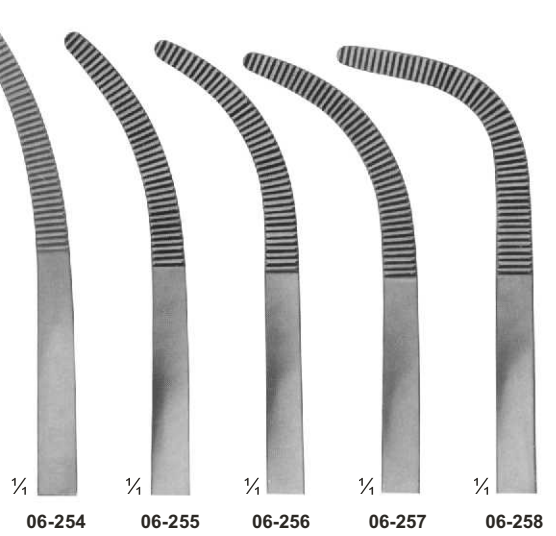
**06-252**  
MIXTER-O'SHAUGHNESSY  
190 mm



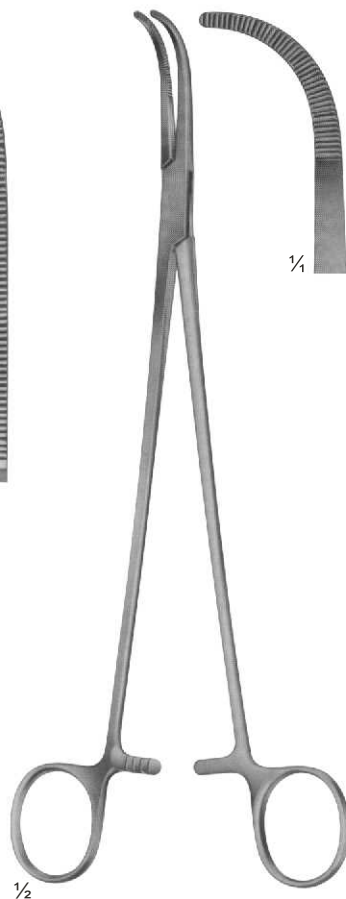
**06-253**  
HEISS  
195 mm



**06-254 - 258**  
RUMEL  
240 mm



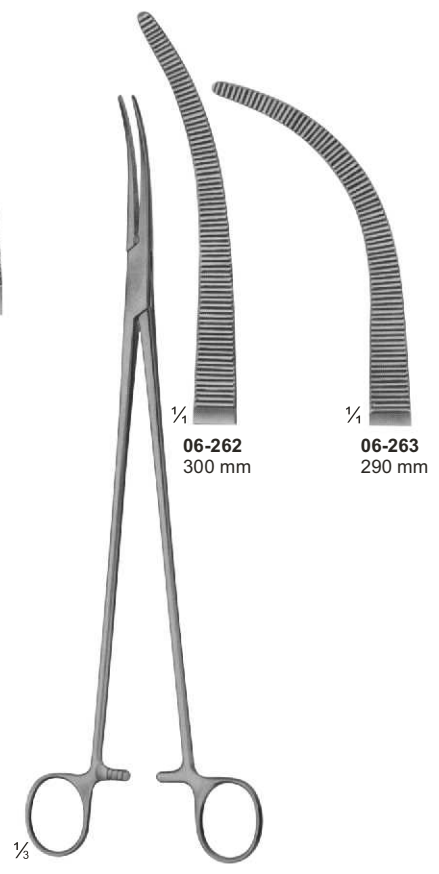
**06-259**  
FINOCHIETTO  
245 mm



**06-260**  
MIXTER  
230 mm



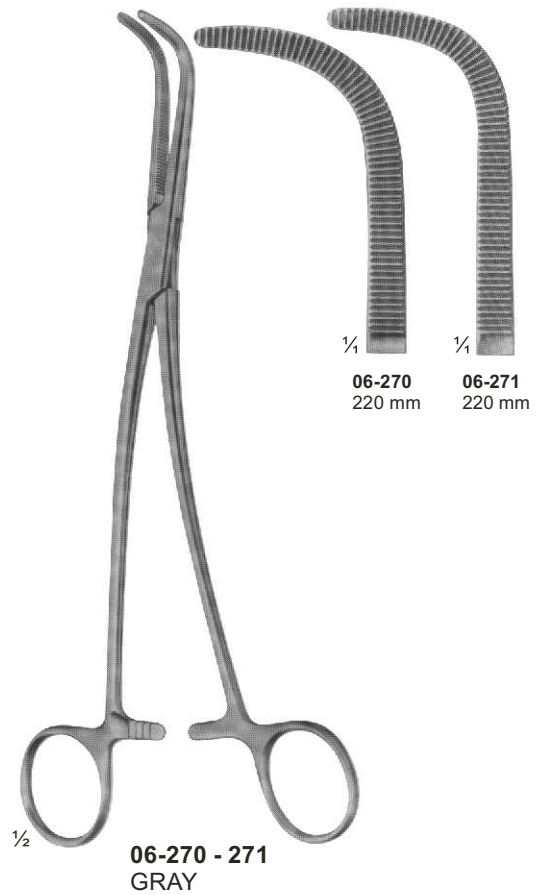
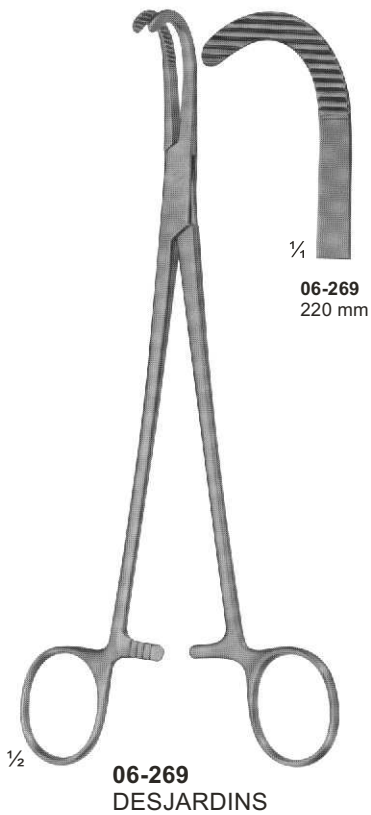
**06-261**  
LAWRENCE  
270 mm



**06-262 - 263**  
ZENKER

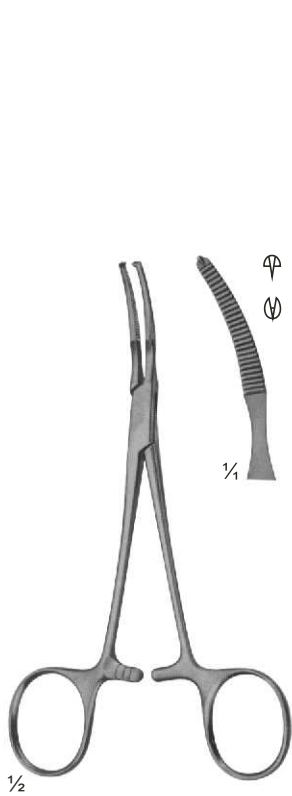


# Dissecting- and Ligature Forceps

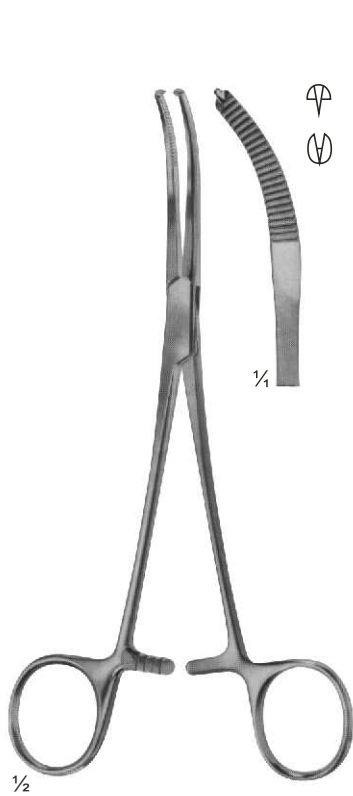




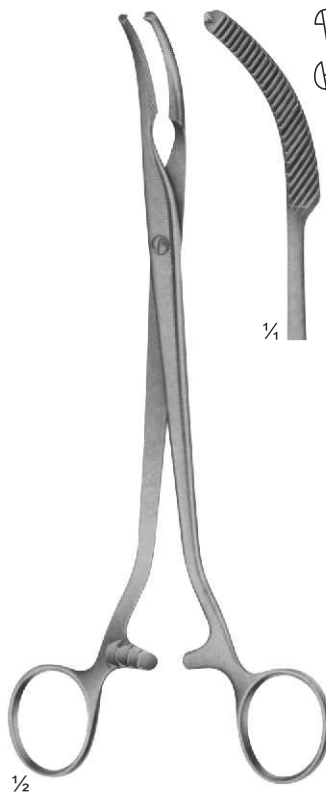
# Peritoneum Forceps



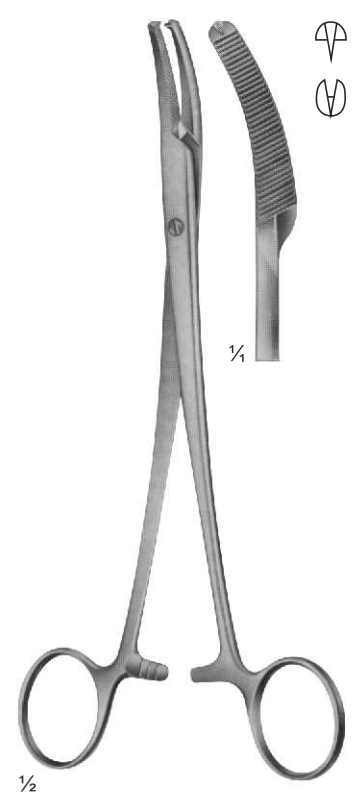
**06-272**  
BABY-MIKULICZ  
140 mm



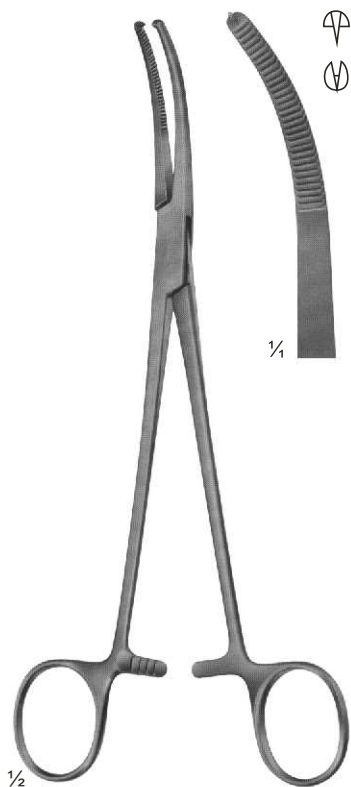
**06-273**  
MIKULICZ  
185 mm



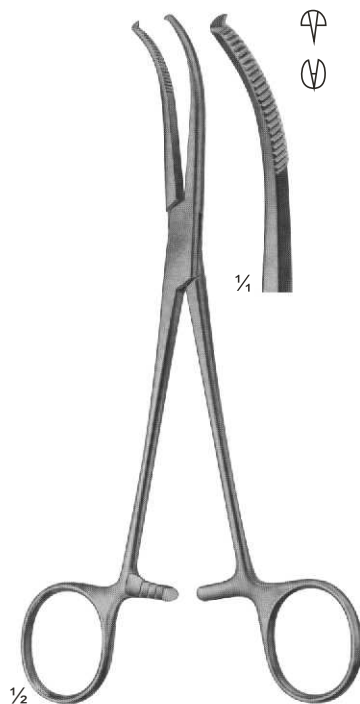
**06-274**  
MIKULICZ  
205 mm



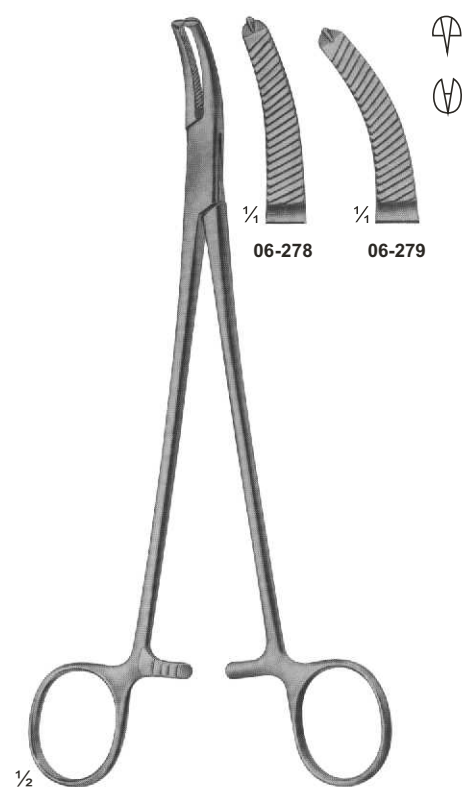
**06-275**  
MIKULICZ  
200 mm



**06-276**  
MIKULICZ  
205 mm

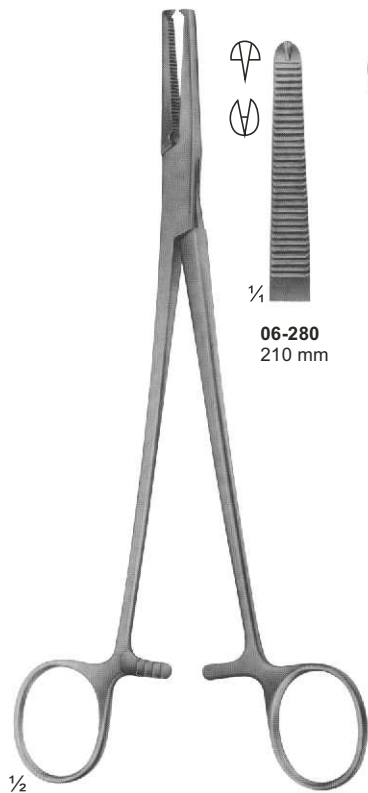


**06-277**  
MIKULICZ  
185 mm

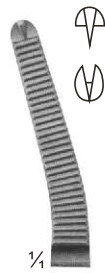


**06-278 - 279**  
FAURE  
205 mm

# Hysterectomy Forceps

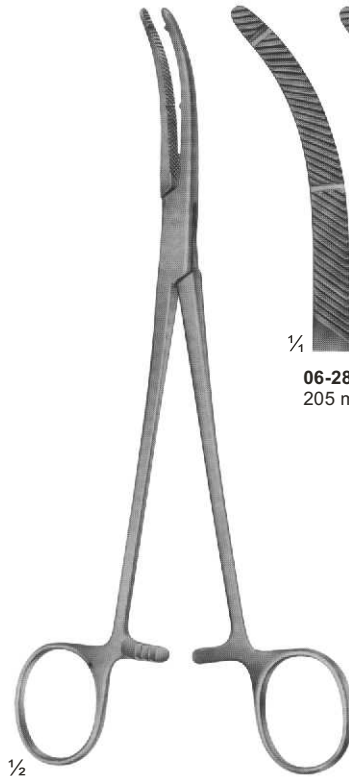


06-280  
210 mm



06-281  
205 mm

06-280 - 281  
PHANEUF

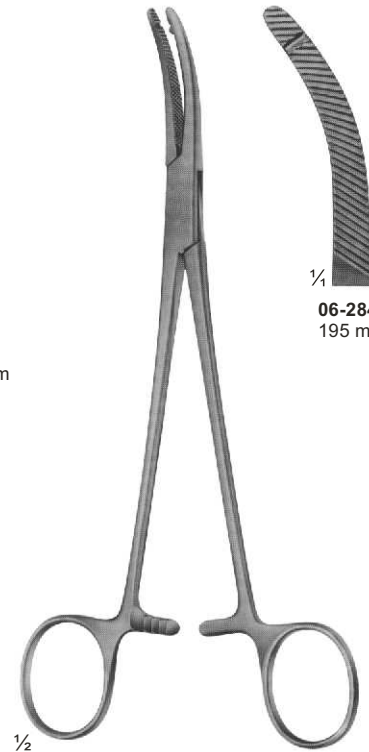


06-282  
205 mm



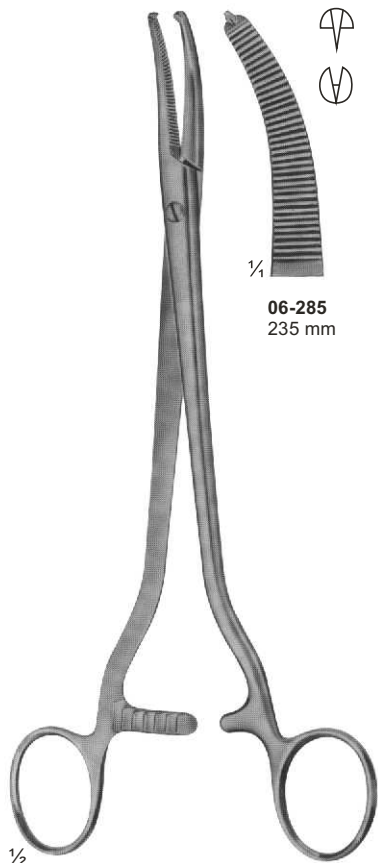
06-283  
245 mm

06-282 - 283  
HEANEY modif.



06-284  
195 mm

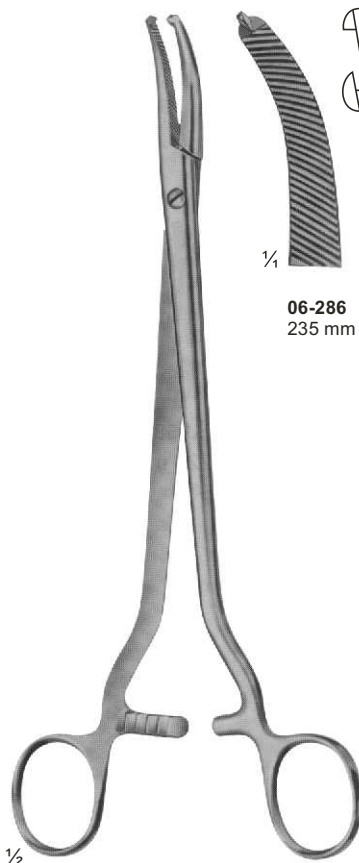
06-284  
HEANEY



06-285  
235 mm



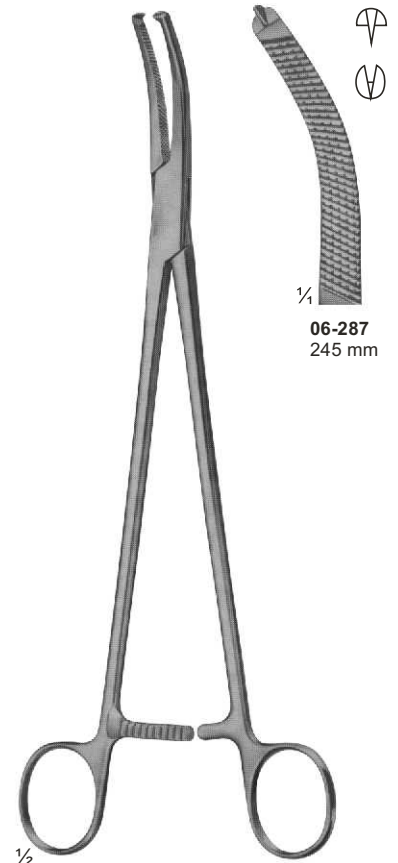
06-285  
WERTHEIM



06-286  
235 mm



06-286  
WERTHEIM



06-287  
245 mm



06-287  
WERTHEIM

# Hysterectomy Forceps and Vaginal Clamps



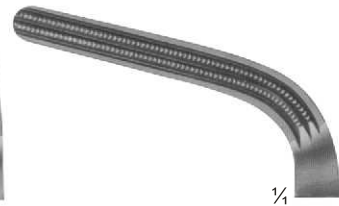
**06-288**  
225 mm



**06-289**  
220 mm



**06-290**  
215 mm



**06-291**  
205 mm



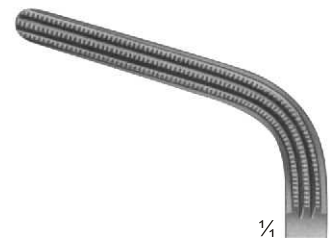
**06-292**  
250 mm



**06-293**  
245 mm

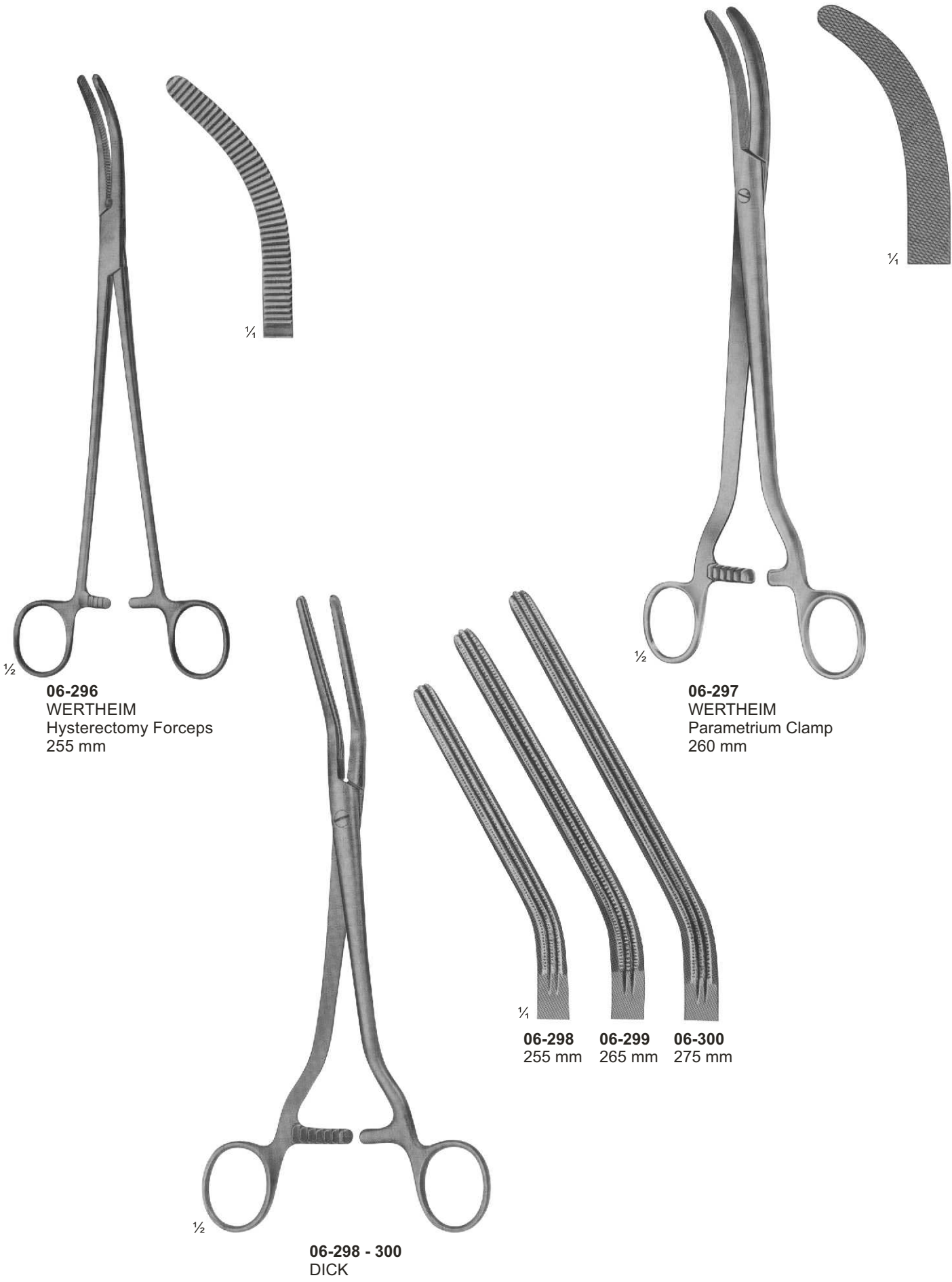


**06-294**  
240 mm



**06-295**  
220 mm

# Hysterectomy Forceps and Vaginal Clamps and Compression Forceps



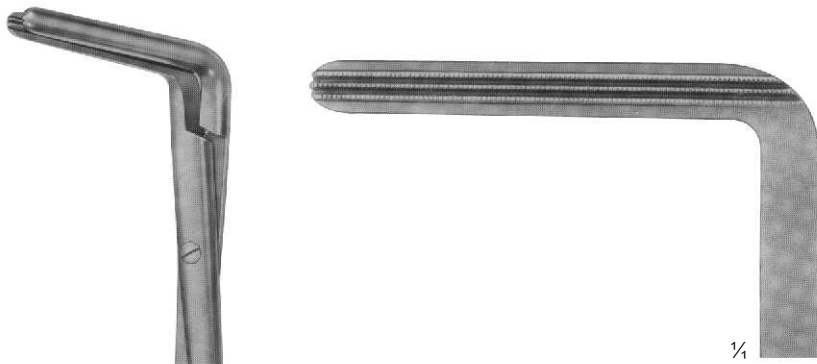
1/2  
**06-296**  
**WERTHEIM**  
 Hysterectomy Forceps  
 255 mm

1/2  
**06-297**  
**WERTHEIM**  
 Parametrium Clamp  
 260 mm

1/4  
**06-298**   **06-299**   **06-300**  
 255 mm   265 mm   275 mm

1/2  
**06-298 - 300**  
**DICK**

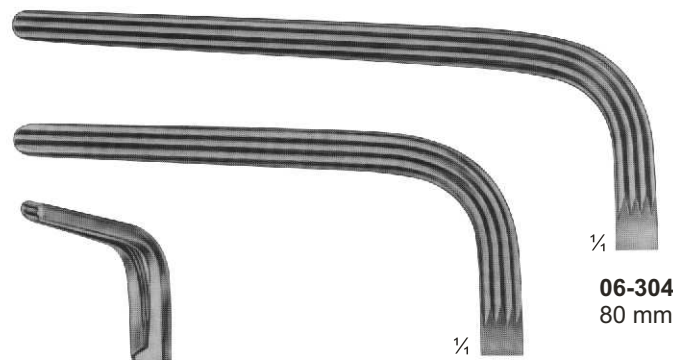
# Hysterectomy Forceps and Vaginal Clamps and Compression Forceps



**06-301**  
WERTHEIM  
250 mm

1/2

1/4



**06-304**  
80 mm

1/4

1/4

**06-303**  
60 mm



**06-303 - 304**  
230 mm

1/2



**06-302**  
WERTHEIM-CULLEN  
215 mm

1/2

1/4

# Needle Holders For Micro Surgery



**07-101**  
ROHRSCHEIDER  
With copper inserts  
100 mm



**07-102**  
KALT  
With catch  
135 mm



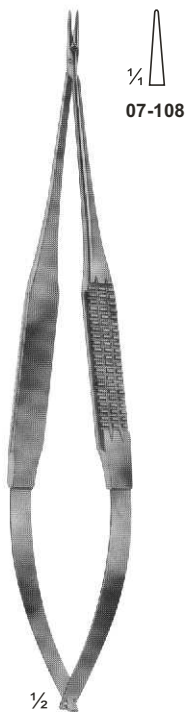
**07-103**  
ARRUGA  
With catch  
135 mm



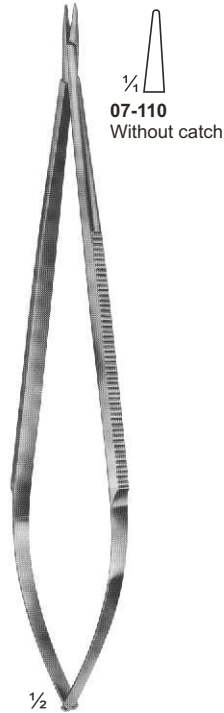
**07-104 - 105**  
CASTROVIEJO  
With catch  
145 mm



**07-106 - 107**  
CASTROVIEJO  
With Catch  
160 mm



**07-108 - 109**  
Without catch  
185 mm



**07-110 - 111**  
JACOBSON  
185 mm



**07-112**  
Without catch  
195 mm



**07-113 - 114**  
YASARGIL  
With catch  
200 mm



# Micro Needle Holders With Round Handles



**07-115 116**  
BARRAQUER  
Without catch



**07-117 - 118**  
BARRAQUER  
Without catch  
120 mm



**07-119 - 120**  
BARRAQUER  
With catch  
120 mm



**07-121 - 122**  
BARRAQUER  
With Catch  
150 mm



**07-123**  
MULLER  
With Locking  
Mechanism  
145 mm



**07-124 - 125**  
BROCK  
Without catch  
150 mm



**07-126 - 127**  
YASARGIL  
200 mm



**07-128 - 129**  
YASARGIL  
225 mm



**07-130**  
YASARGIL  
245 mm

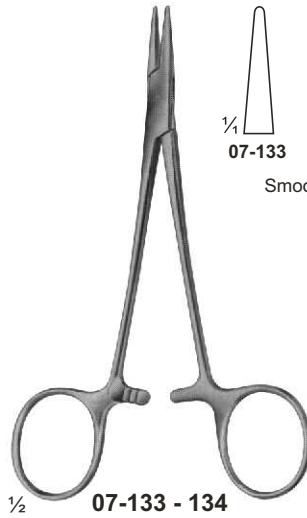
# Needle Holders



$\frac{1}{2}$  **07-131**  
CONVERSE  
125 mm



$\frac{1}{2}$  **07-132**  
WEBSTER  
125 mm



$\frac{1}{2}$  **07-133 - 134**  
HALSEY  
130 mm



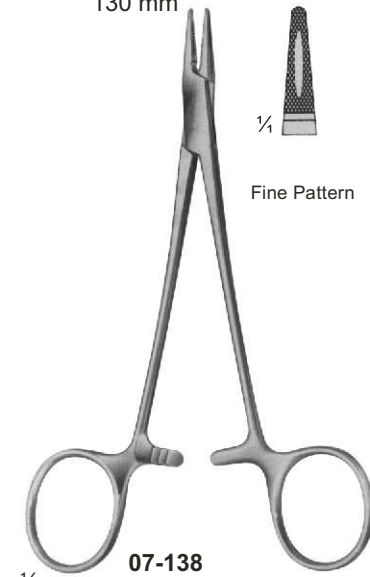
$\frac{1}{2}$  **07-135**  
DERF  
130 mm



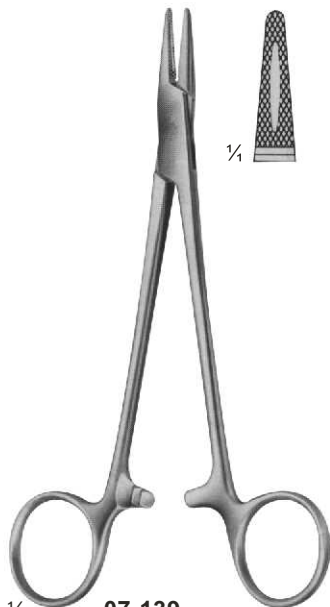
$\frac{1}{2}$  **07-136**  
DOYEN  
125 mm



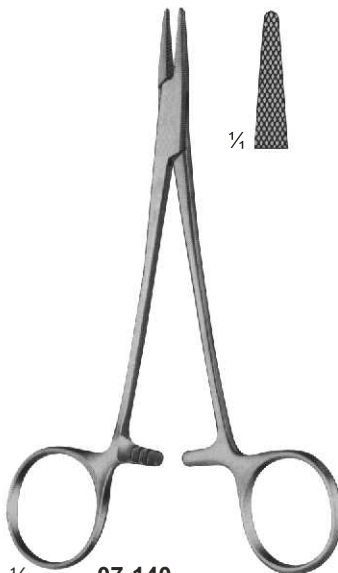
$\frac{1}{2}$  **07-137**  
BAUMGARTNER  
145 mm



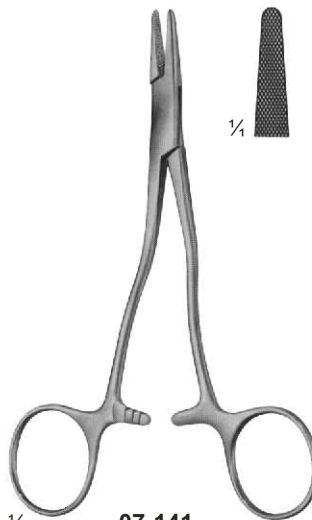
$\frac{1}{2}$  **07-138**  
CRILE-WOOD  
150 mm



$\frac{1}{2}$  **07-139**  
CRILE-WOOD  
160 mm



$\frac{1}{2}$  **07-140**  
CRILE-MURRAY  
150 mm

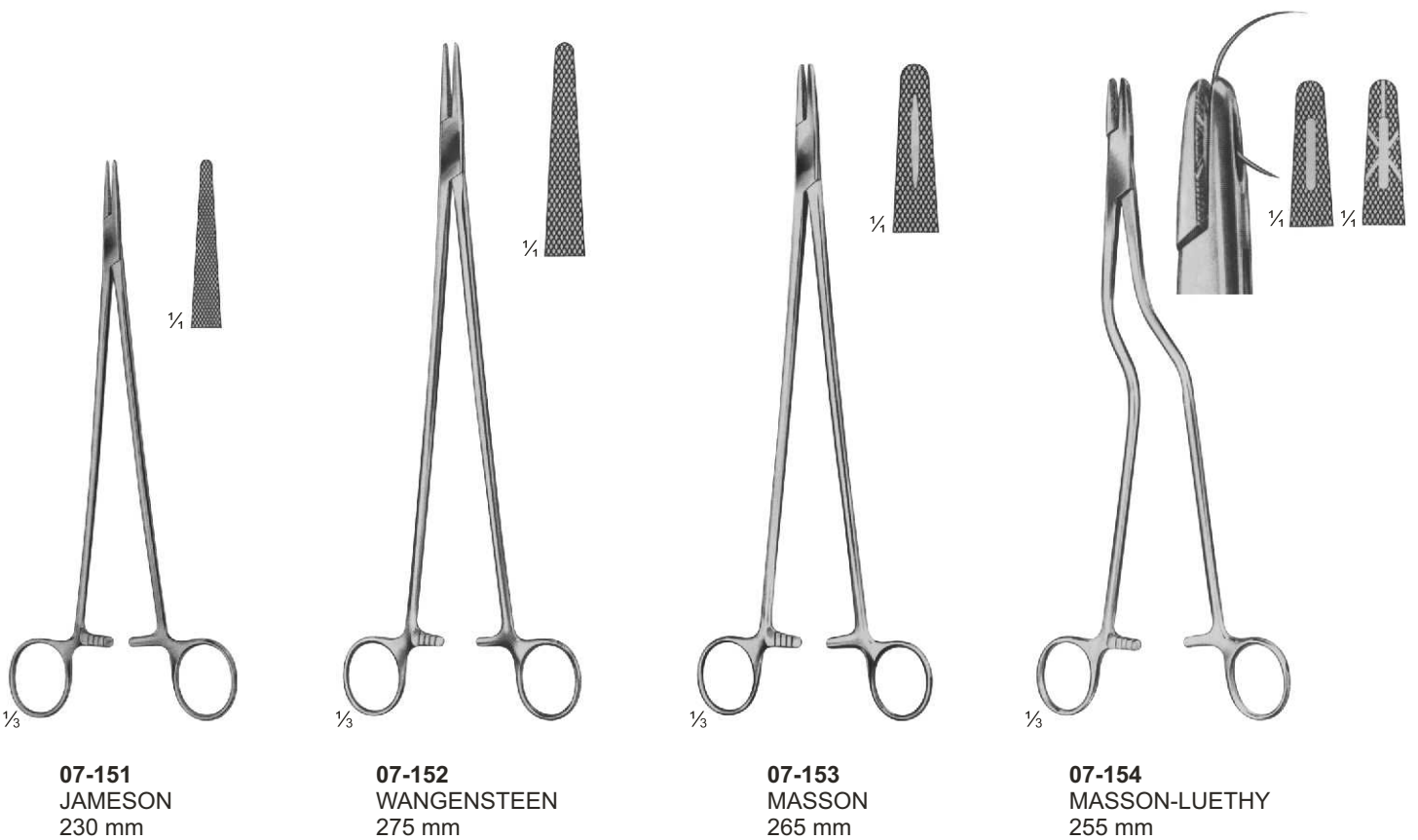


$\frac{1}{2}$  **07-141**  
KILNER  
135 mm

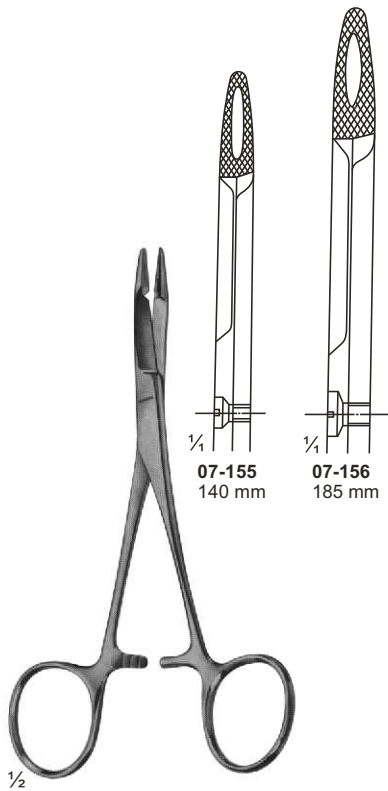


$\frac{1}{2}$  **07-142**  
ADSON  
175 mm

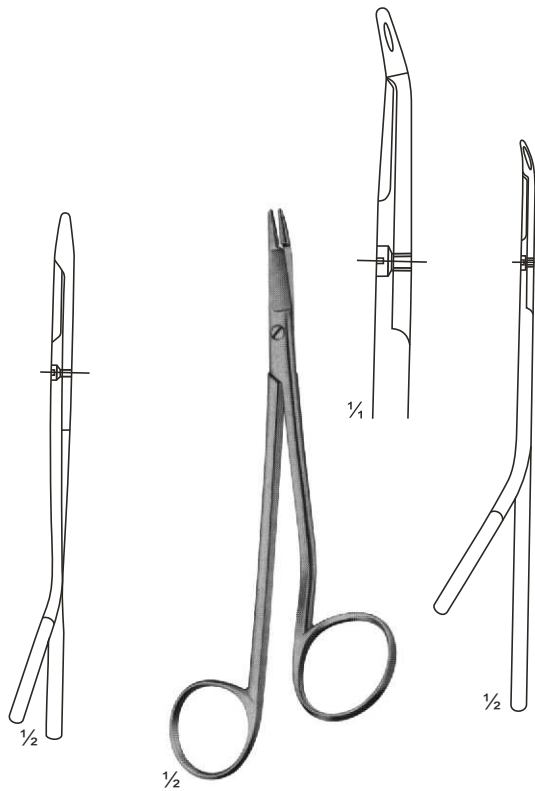
# Needle Holders



# Needle Holders

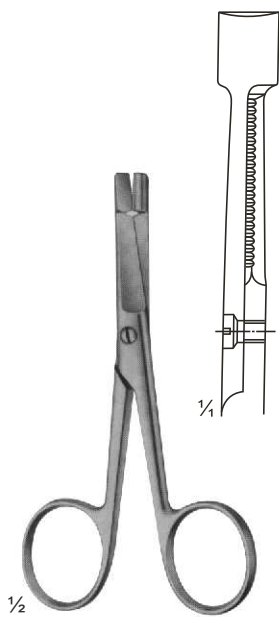


**07-155 - 156**  
HEGAR-OLSEN  
255 mm

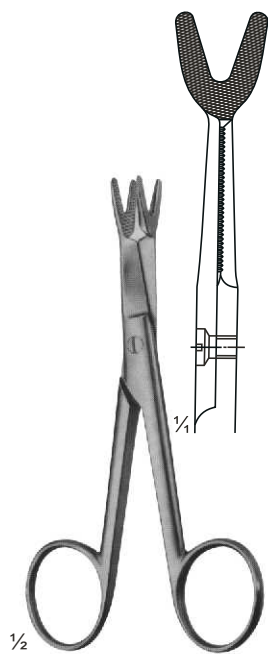


**07-157**  
GILLIES  
150 mm

**07-158**  
GILLIES  
160 mm



**07-159**  
EISELSBERG  
115 mm



**07-160**  
SCHOEMAKER-LOTH  
125 mm

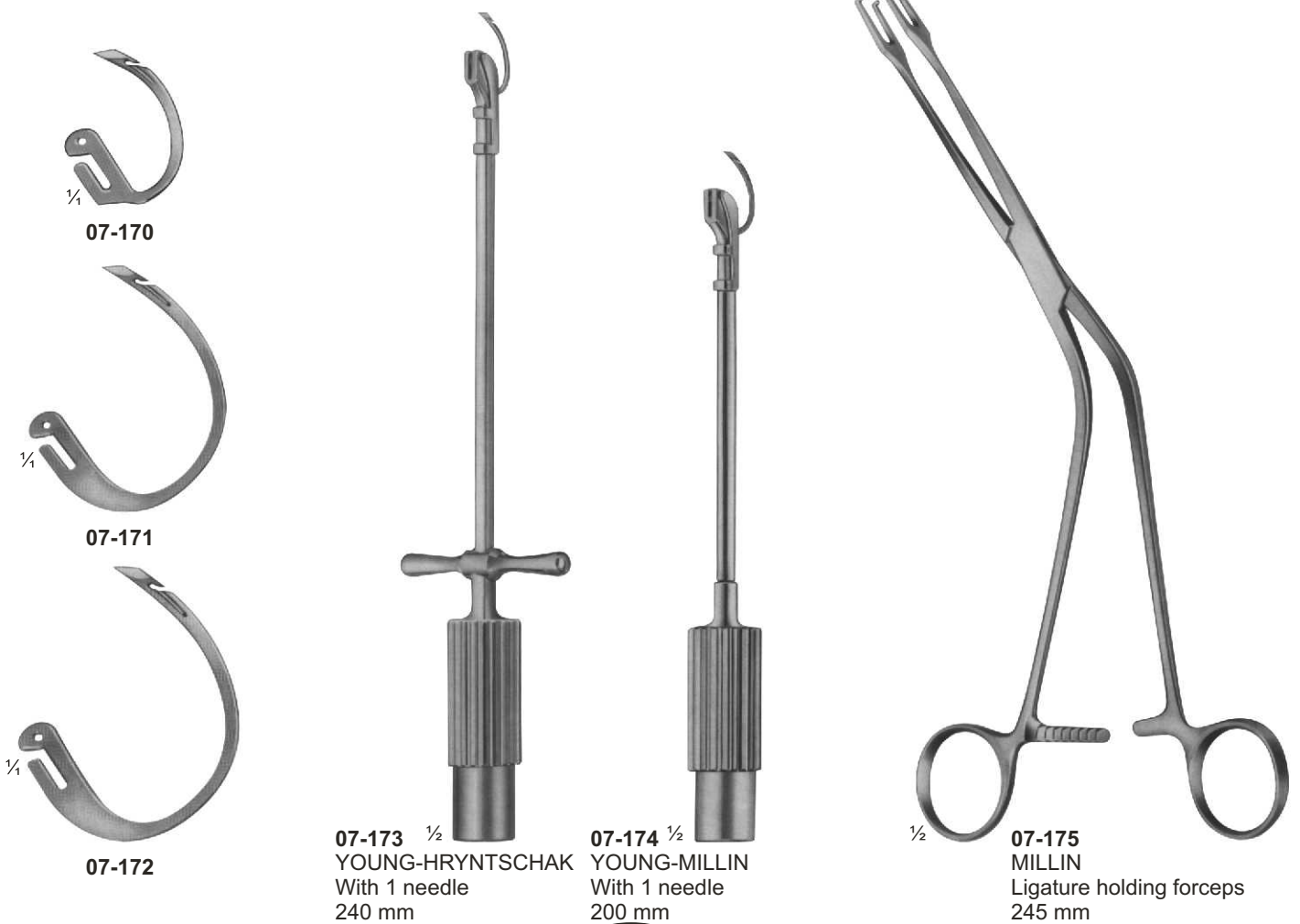
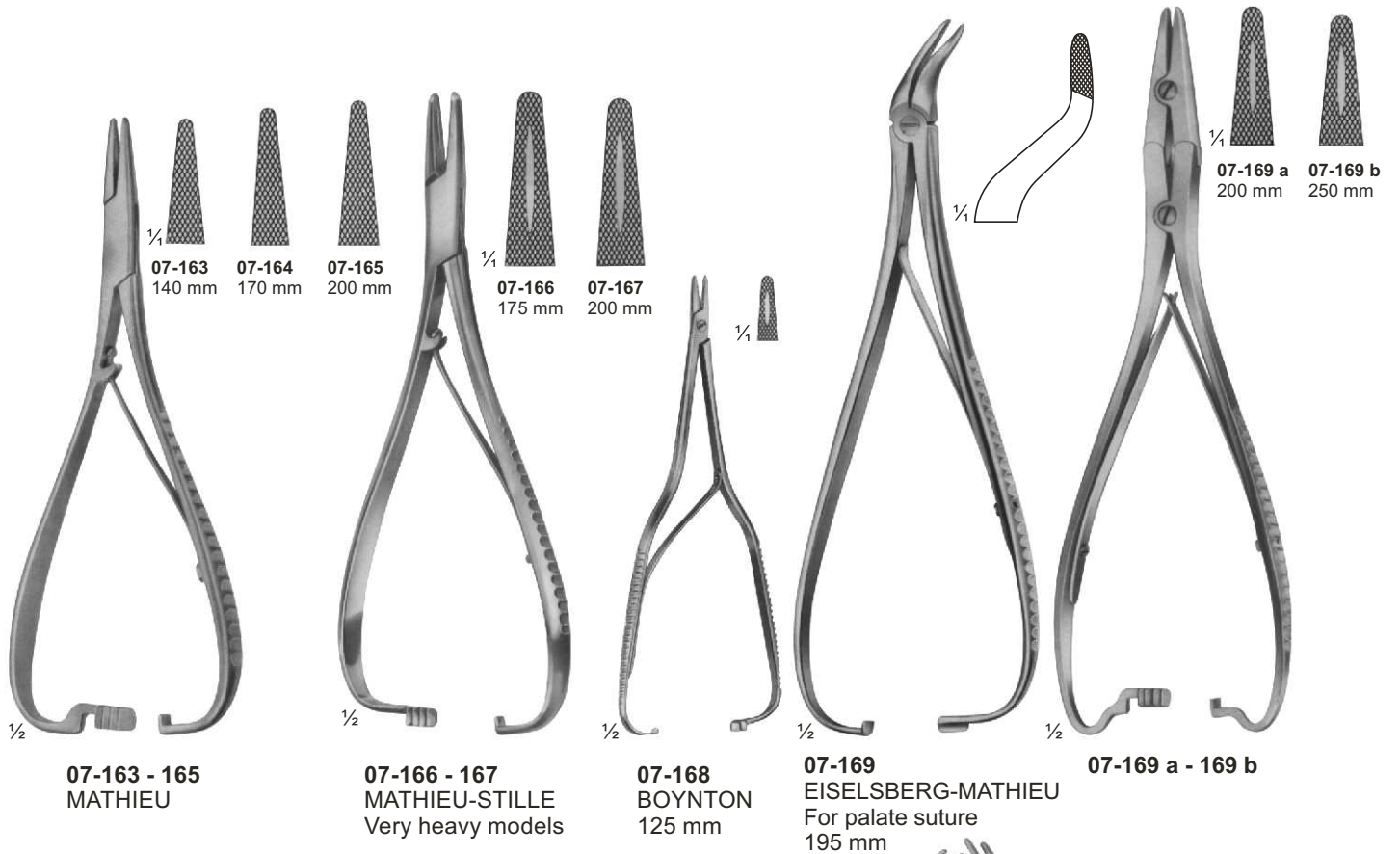


**07-161**  
CRILE  
150 mm

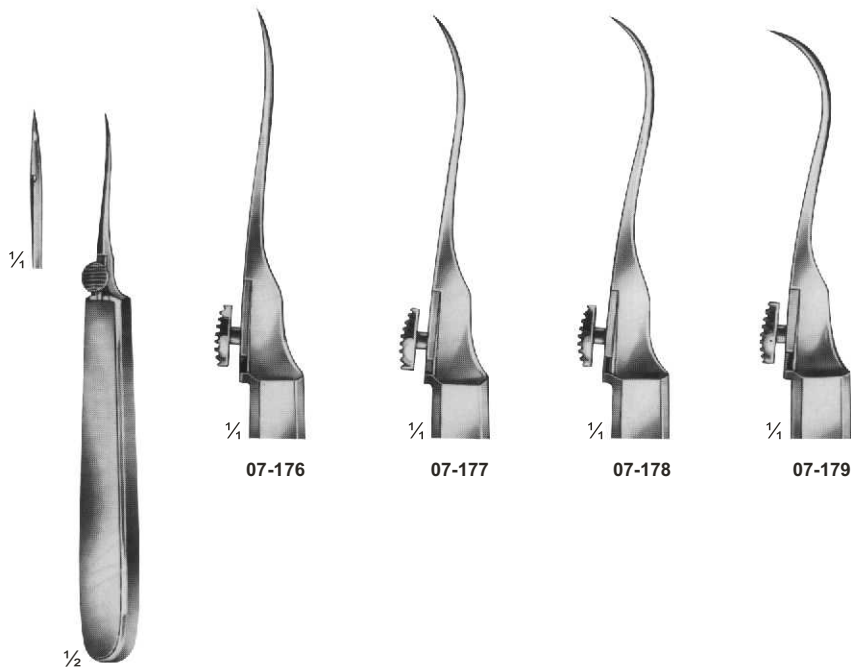


**07-162**  
TONNIS  
Elastic pattern for  
dura-or intestinal suture  
180 mm

# Needle Holders



# Suture Instruments - Reverdin Needles



07-176

07-177

07-178

07-179

07-176 - 179  
REVERDIN  
140 mm



07-180

07-181

07-182

07-183

07-184

07-185

07-186

07-187

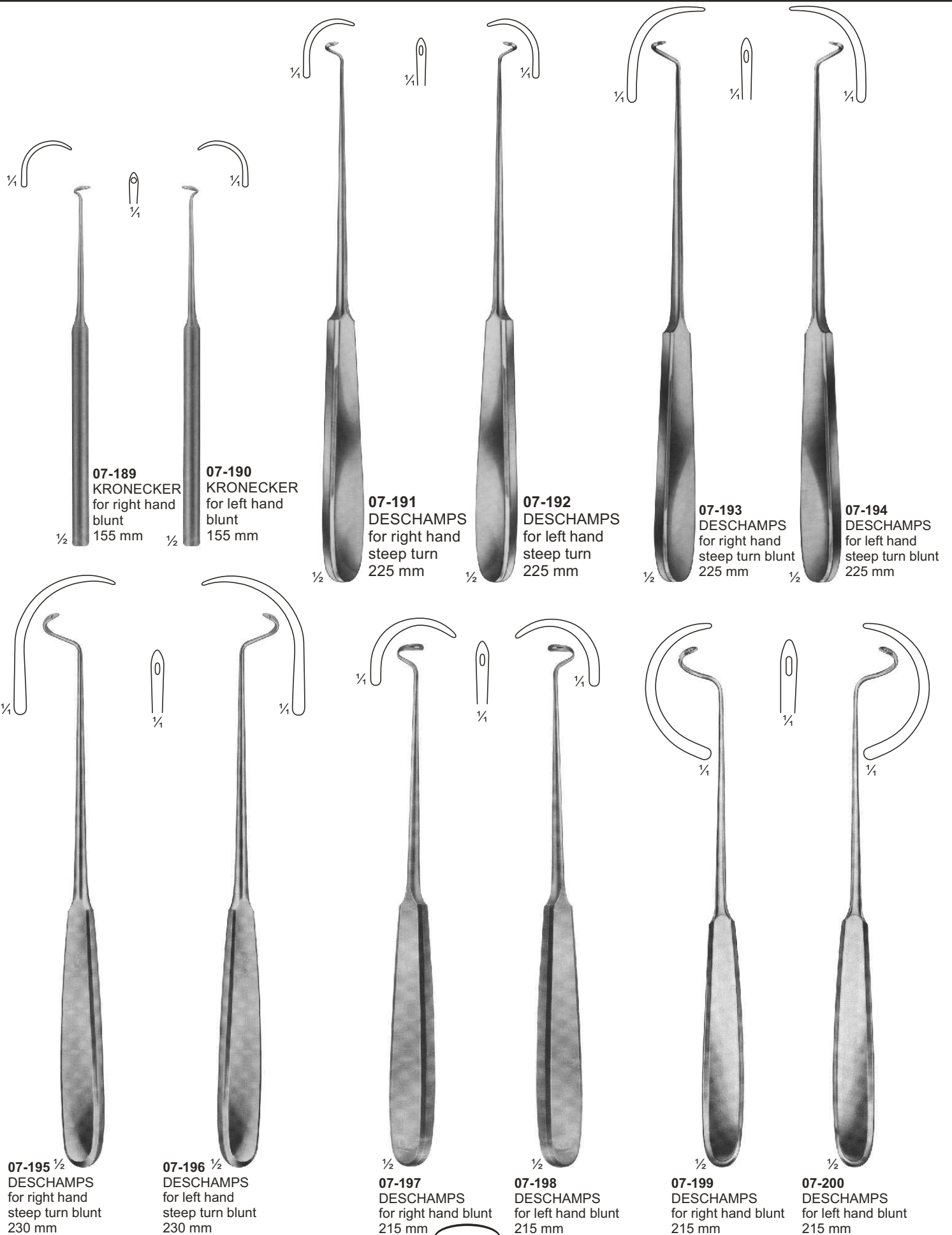
07-188

07-180 - 183  
REVERDIN  
195 mm

07-184 - 188  
REVERDIN  
220 mm



# Suture Instruments - Ligature Needles



# Suture Instruments - Ligature Needles



1/2

**07-201**  
HURD  
for right hand  
sharp  
210 mm



1/2

**07-202**  
HURD  
for left hand  
sharp  
210 mm



1/2

**07-203**  
DESCHAMPS  
for right hand  
sharp  
215 mm



1/2

**07-204**  
DESCHAMPS  
for left hand  
sharp  
215 mm



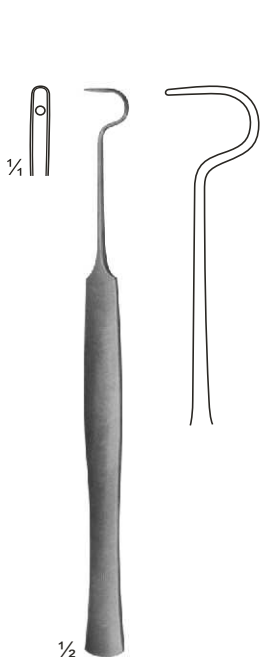
1/2

**07-205**  
JONESCO  
Needle for wire suture  
185 mm



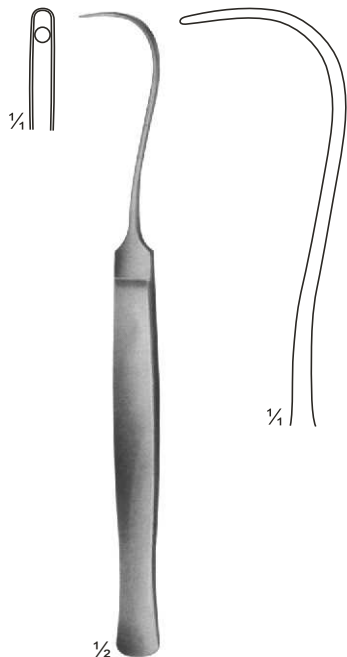
1/2

**07-206**  
CLAUS VAN EICKEN  
Needle for wire suture  
250 mm



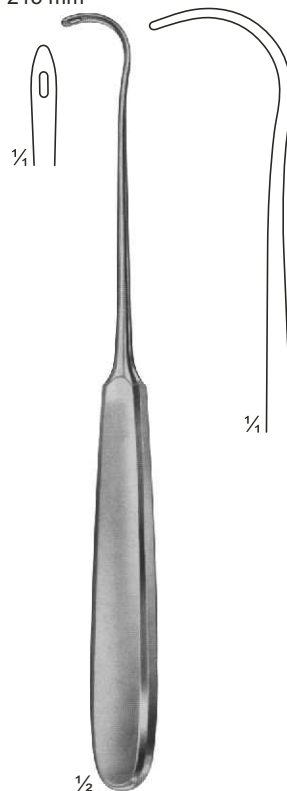
1/2

**07-207**  
150 mm



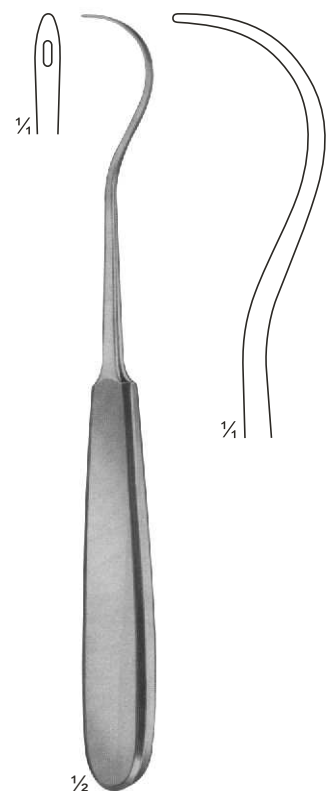
1/2

**07-208**  
SYME  
170 mm



1/2

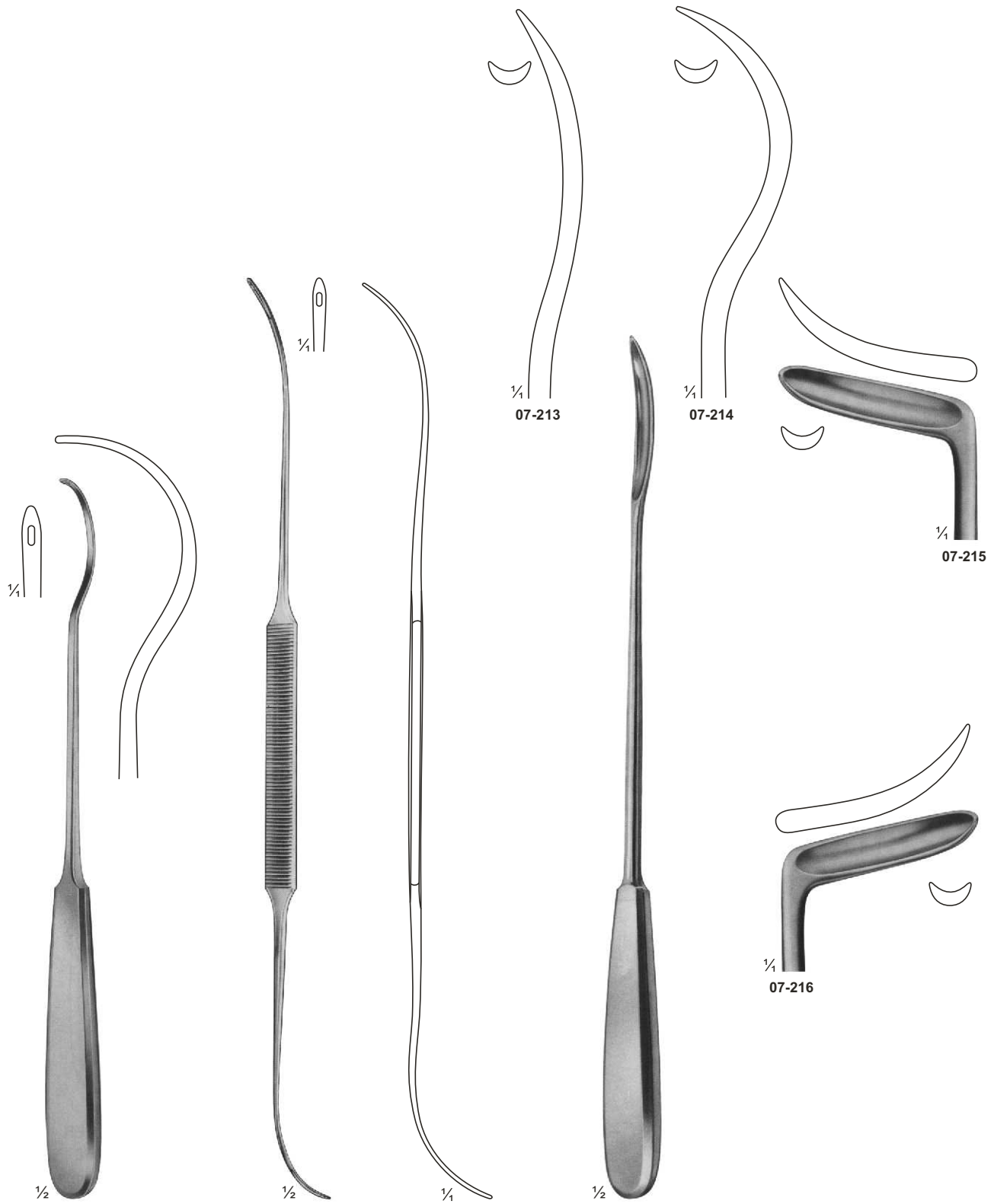
**07-209**  
COOPER  
205 mm



1/2

**07-210**  
KOCHER  
205 mm

# Ligature Needles

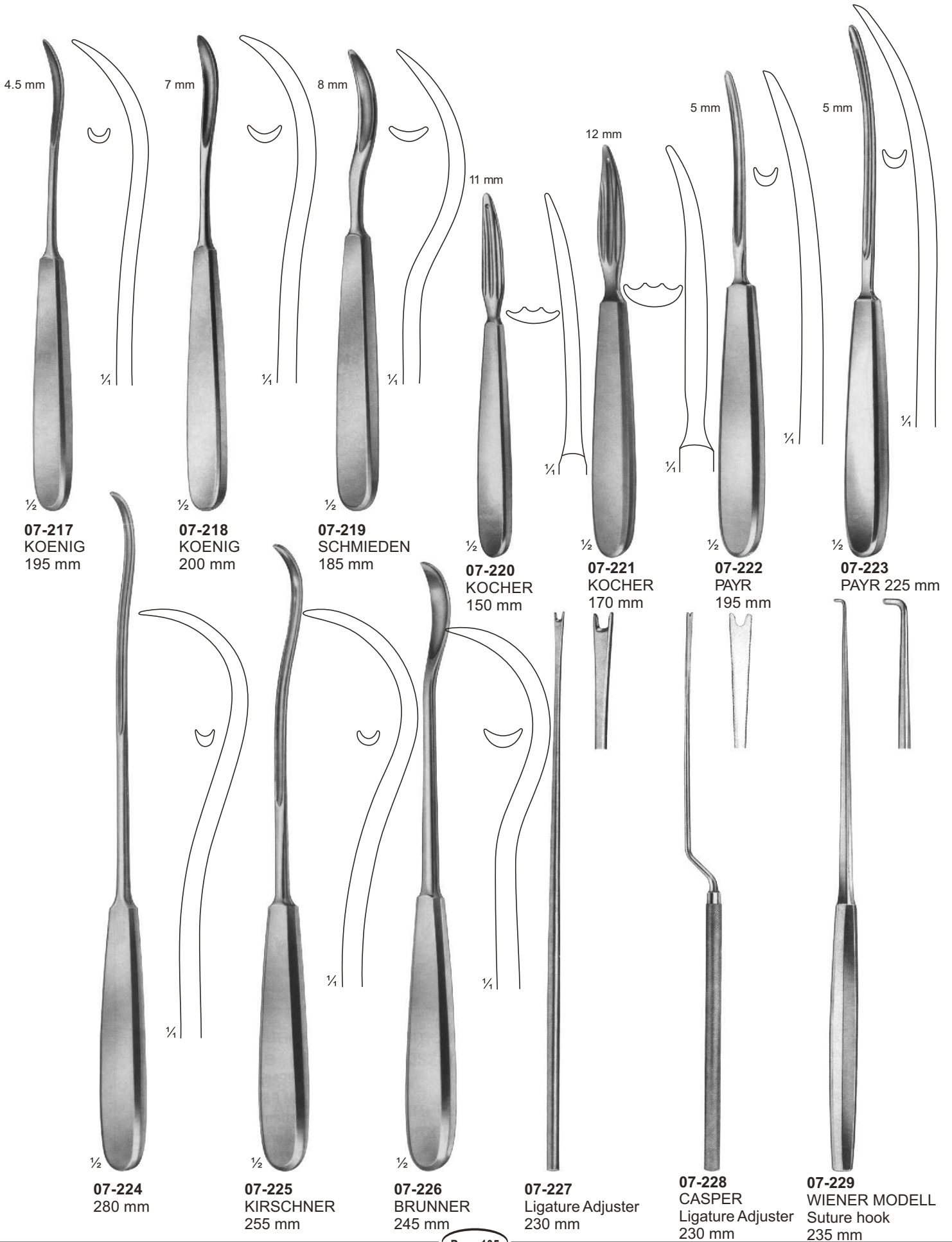


**07-211**  
BRUNNER  
240 mm

**07-212**  
SCHMIEDEN-DICK  
320 mm

**07-213 - 216**  
BRUNNER  
Guiding Probes  
300 mm

# Guiding Probes



# Probes



**07-242** 2,5 mm  
**07-243** 2,5 mm  
**07-244** 3,0 mm

**07-242** 145 mm  
**07-243** 160 mm  
**07-244** 200 mm  
 Probes with eye



**07-245**  
 Myrtle leaf probe  
 145 mm



**07-246** 130 mm  
**07-247** 145 mm  
**07-248** 160 mm  
**07-249** 180 mm  
**07-250** 200 mm



**07-251**  
 Probes



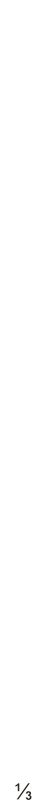
**07-252**  
 Double ended probe,  
 malleable, diam. of tips  
 3 mm with hole  
 190 mm



**07-253**  
 Double ended probes,  
 tin, malleable,  
 diam. of tips  
 3,5 mm with hole  
 250 mm, 300 mm



**07-254**  
 Double ended probes,  
 tin, malleable,  
 diam. of tips 4 mm  
 400 mm



**07-255** 1,5 mm  
**07-256** 2,0 mm  
**07-257** 2,5 mm  
 300 mm

# Probes



**07-242** 2,5 mm  
**07-243** 2,5 mm  
**07-244** 3,0 mm

1/2

**07-242** 145 mm  
**07-243** 160 mm  
**07-244** 200 mm  
 Probes with eye



1,5 mm

1/2

**07-245**  
 Myrtle leaf probe  
 145 mm



2,0 mm

1/2

**07-246** 130 mm  
**07-247** 145 mm  
**07-248** 160 mm  
**07-249** 180 mm  
**07-250** 200 mm



1/2

**07-251**  
 Probes



1/2

**07-252**  
 Double ended probe,  
 malleable, diam. of tips  
 3 mm with hole  
 190 mm



**07-253**  
 Double ended probes,  
 tin, malleable,  
 diam. of tips  
 3,5 mm with hole  
 250 mm, 300 mm



1/4

**07-254**  
 Double ended probes,  
 tin, malleable,  
 diam. of tips 4 mm  
 400 mm



1/3

**07-255** Ø tip  
**07-256** 1,5 mm  
**07-257** 2,5 mm  
 300 mm



# Probes - Spatulas - Cotton Applicators



**07-258**  
STACKE  
100 mm



**07-259**  
KILLIAN  
165 mm



**07-260**  
160 mm



**07-261**  
SEIFFERT  
180 mm



**07-262**  
BOWMAN  
130 mm

German Silver



**07-263**  
SPATULA  
145 mm



**07-264**  
SPATULA  
145 mm



**07-265**  
Modell PICCOLO  
Round Serrated  
110 mm



**07-266**  
Modell PICCOLO  
Triangular Serrated end  
110 mm



**07-267**  
FARRELL  
Round Serrated end  
110 mm



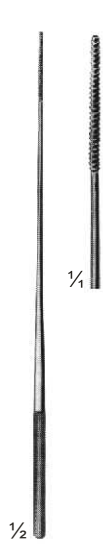
**07-268**  
LATHBURY-FARREL  
Triangular Serrated end  
110 mm



# Cotton Applicators



**07-269**  
BUCK  
Rough, spiral end  
120 mm



**07-270**  
Triangular  
serrated end  
140 mm



**07-271**  
Rough, spiral end  
140 mm



**07-272**  
Rough, spiral end  
140 mm



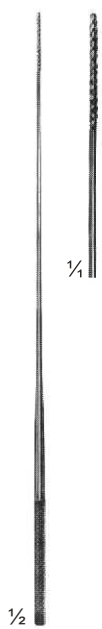
**07-273**  
Rough, spiral end  
140 mm



**07-274**  
FARRELL  
Round,  
serrated end  
140 mm



**07-275**  
LATHBURY-FARRELL  
Triangular,  
serrated end  
140 mm



**07-276**  
FARRELL  
Rough,  
spiral end  
160 mm



**07-277**  
LATHBURY-FARRELL  
Triangular,  
serrated end  
160 mm



**07-278**  
Triangular,  
serrated end  
160 mm



**07-279**  
Rough,  
spiral end  
180 mm



**07-280**  
Rough,  
spiral end  
180 mm



**07-281**  
Rough,  
spiral end  
270 mm

# Clip Applying Forceps - Suture Set



½  
**07-282**  
MICHEL  
125 mm



½  
**07-283**  
HEGENBARTH  
120 mm



½  
**07-284**  
WACHENFELDT  
120 mm



½  
**07-285**  
WACHENFELDT  
120 mm



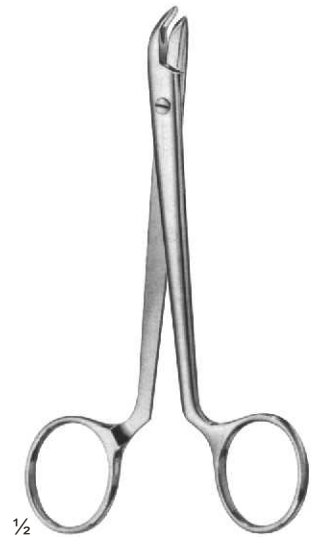
½  
**07-286**  
MICHEL  
125 mm



½  
**07-287**  
MICHEL modif.  
130 mm



½  
**07-288**  
HEATH  
135 mm



½  
**07-289**  
COLLIN  
135 mm

## Clip Applying Forceps - Suture Set



### 07-290

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



### 07-291

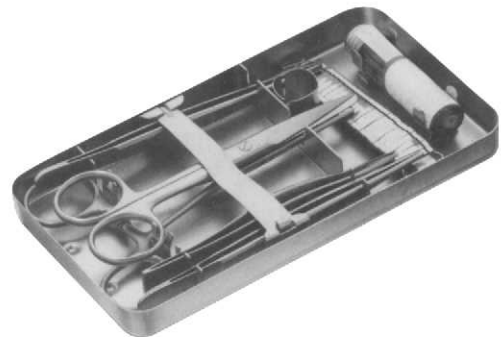
Pocket instrument set, in metal case consisting of:

#### 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 BB 520  
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

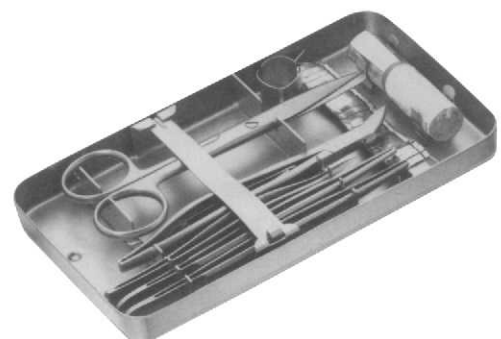


### 07-292

Pocket instrument set, in metal case consisting of:

#### Bottom tray

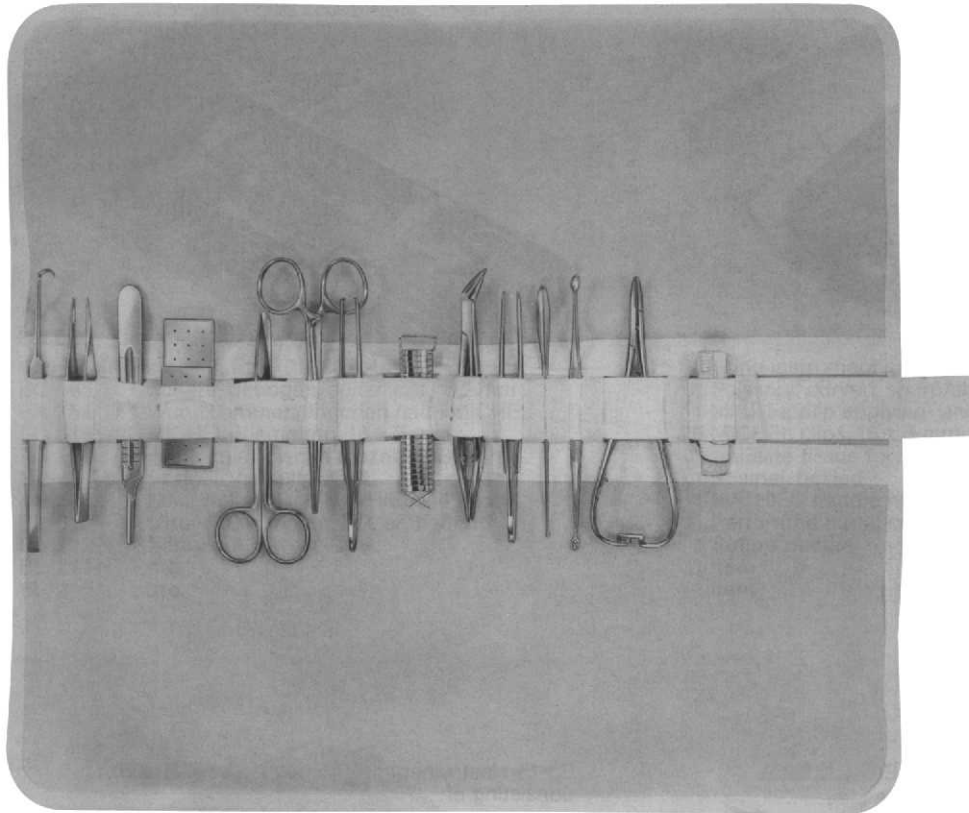
1 MAYO-HEGER needle holder, 150mm  
1 MICHEL clip forceps, combined  
1 Myrtle leaf probe, 130mm  
1 Sharp double curette  
1 Skin hook  
1 Detachable scalpel handle, no. 4  
1 Perforated metal case, consisting  
6 Scalpel blades BB 520  
1 Perforated metal case, stainless, consisting:  
1 Suture needle  
1 item, & 1 item



#### Bottom 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

## Clip Applying Forceps - Suture Set



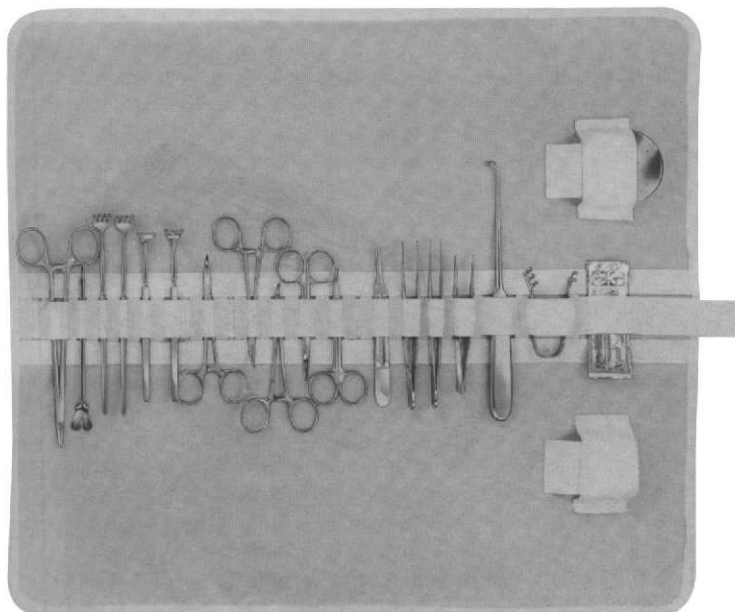
### 07-293

Pocket instrument set in metal case 170 x 90mm with sterilizable canvas roll consisting of:

- 1 Myrtle leaf probe, 130mm
- 1 Sharp double curette
- 1 FEILCHENFELD splinter forceps, 115mm
- 1 Dissecting forceps, 130mm
- 1 Tissue forceps, 130mm

- 1 Straight surgical scissors, 130mm
- 1 Scalpel handle no. 4
- 1 Perforated metal case, consisting of 6 scalpel blades BB 520
- 1 KOCHER haemostatic forceps, 130mm
- 1 Skin hook
- 1 MATHIEU needle holder, 140mm
- 1 Tube of suture skin, sterile in alcohol
- 1 MICHEL clip forceps, 120mm

- 25 MICHEL clip, 16 x 3mm
- 1 Perforated metal case, stainless, consisting of:
- 1 Suture needle
- 1 item
- 1 item



### 07-294

Venae sectio set, in sterilizable canvas roll consisting of:

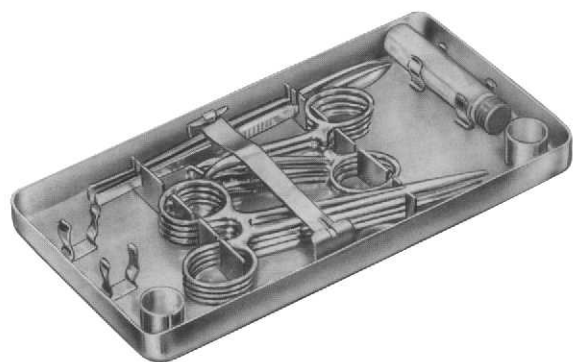
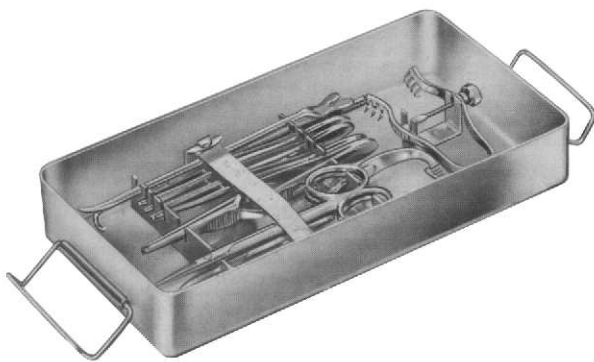
- 1 Tissue forceps, 1 x 2 teeth, 140mm
- 1 Dissecting forceps, 145mm
- 1 FEILCHENFELD straight scissors, sharp, 110mm
- 1 curved scissors, blunt, 115mm
- 1 HALSTED mosquito forceps, curved on flat, 125mm

- 1 DESCHAMPS needle, blunt, 210mm
- 1 DOYEN Director, curved, 140mm
- 2 Wound retractors, 4 blunt prongs, 160mm
- 2 DESMARRES wound retractors, 135mm
- 1 FINSEN retractors, 2 x3 blunt prongs, 80mm

- 1 Scalpel handle no. 4
- 4 Sterile scalpel blades, no 18, single peel pack
- 1 Needle box, perforated, round, diam. 65mm
- 1 HEGAR-MAYO DUROGRIP needle holder, 180mm



## Clip Applying Forceps - Suture Set



### 07-295

Venae sectio set, in metal case  
consisting of:

#### Bottom tray

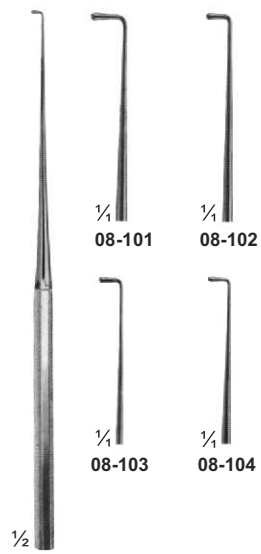
- 1 MATHIEU needle holder, fine pattern 140mm
- 1 Ligature needle, fine short pattern
- 1 DOYEN director, curved
- 1 HEGENBARTH clip forceps,
- 1 ELSCHNIG tissue forceps, 1 x 2 teeth fine, 150mm
- 1 Dressing forceps, fine 105mm
- 1 Tissue forceps, 1 x 2 teeth, 110mm
- 1 Vessel scissors, straight, with 1 ball point, 110mm
- 1 Vessel scissors, curved, pointed 105mm
- 1 FINSEN retractor
- 1 Perforated needle case

#### Top tray

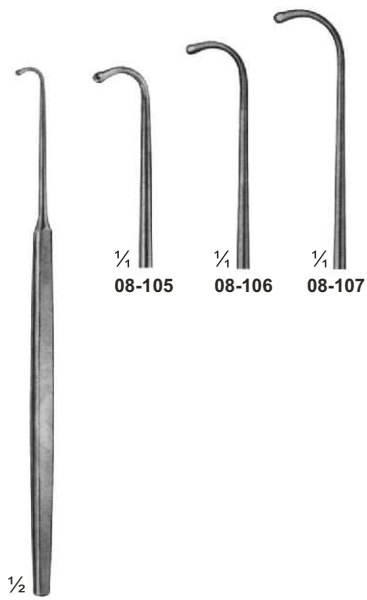
- 1 Scalpel, pointed
- 1 Scalpel, bellied
- 2 HALSTED mosquito forceps, curved, 125mm
- 2 HALSTED mosquito forceps, straight, 1x 2 teeth, 125mm
- 3 BACKHAUS towel forceps, 90mm
- 2 Flacon holder



# Nerve - and Vessel Hooks



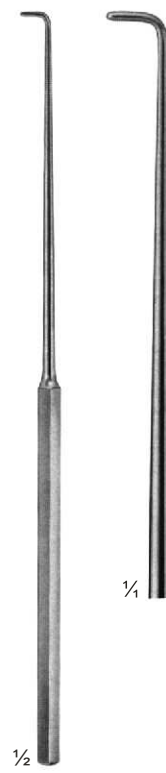
**08-101 - 104**  
WAGENER  
150 mm



**08-105 - 107**  
GRAEFE  
140 mm



**08-108**  
BROM  
Vein hook  
170 mm

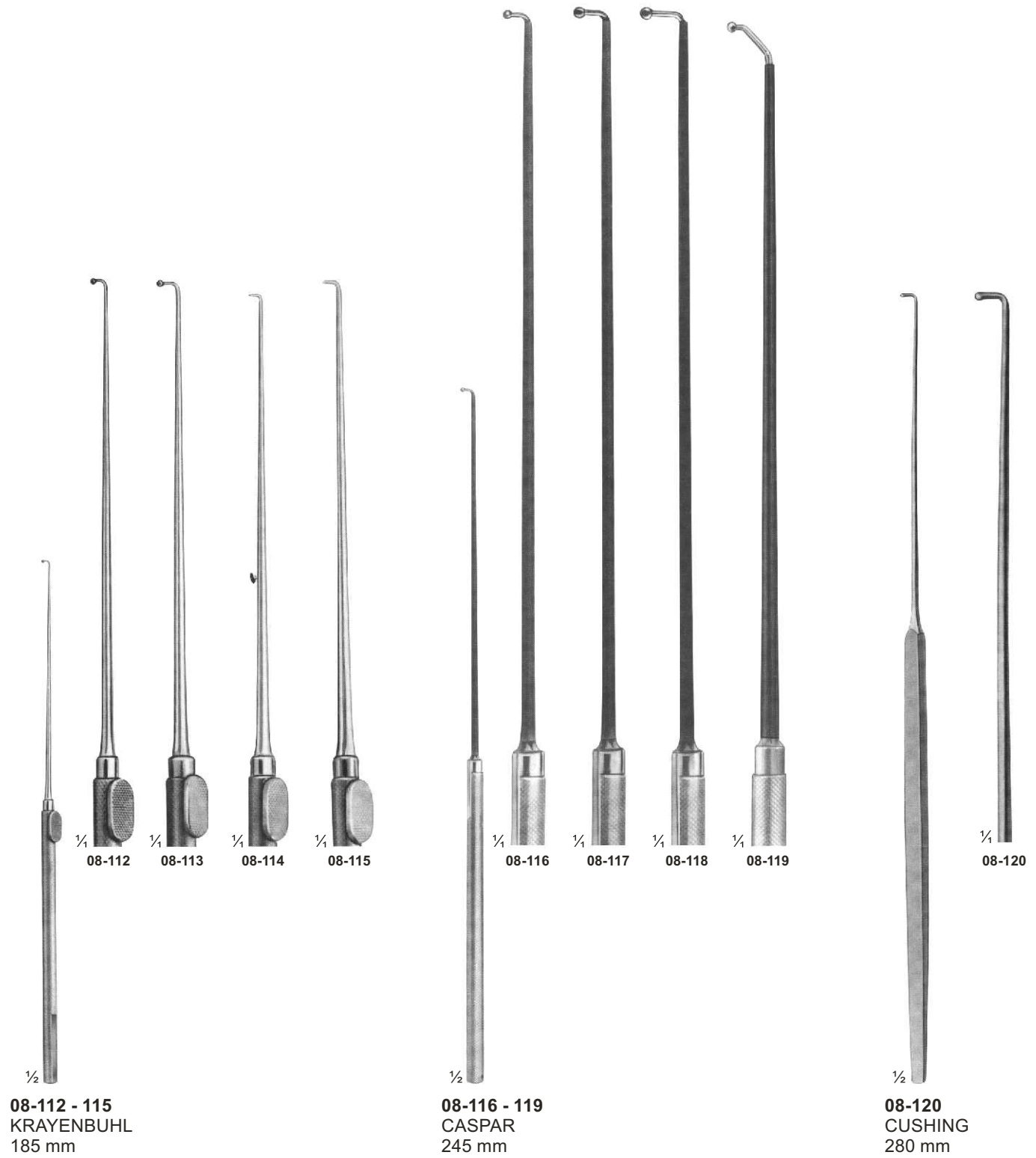


**08-109**  
CRILE  
200 mm

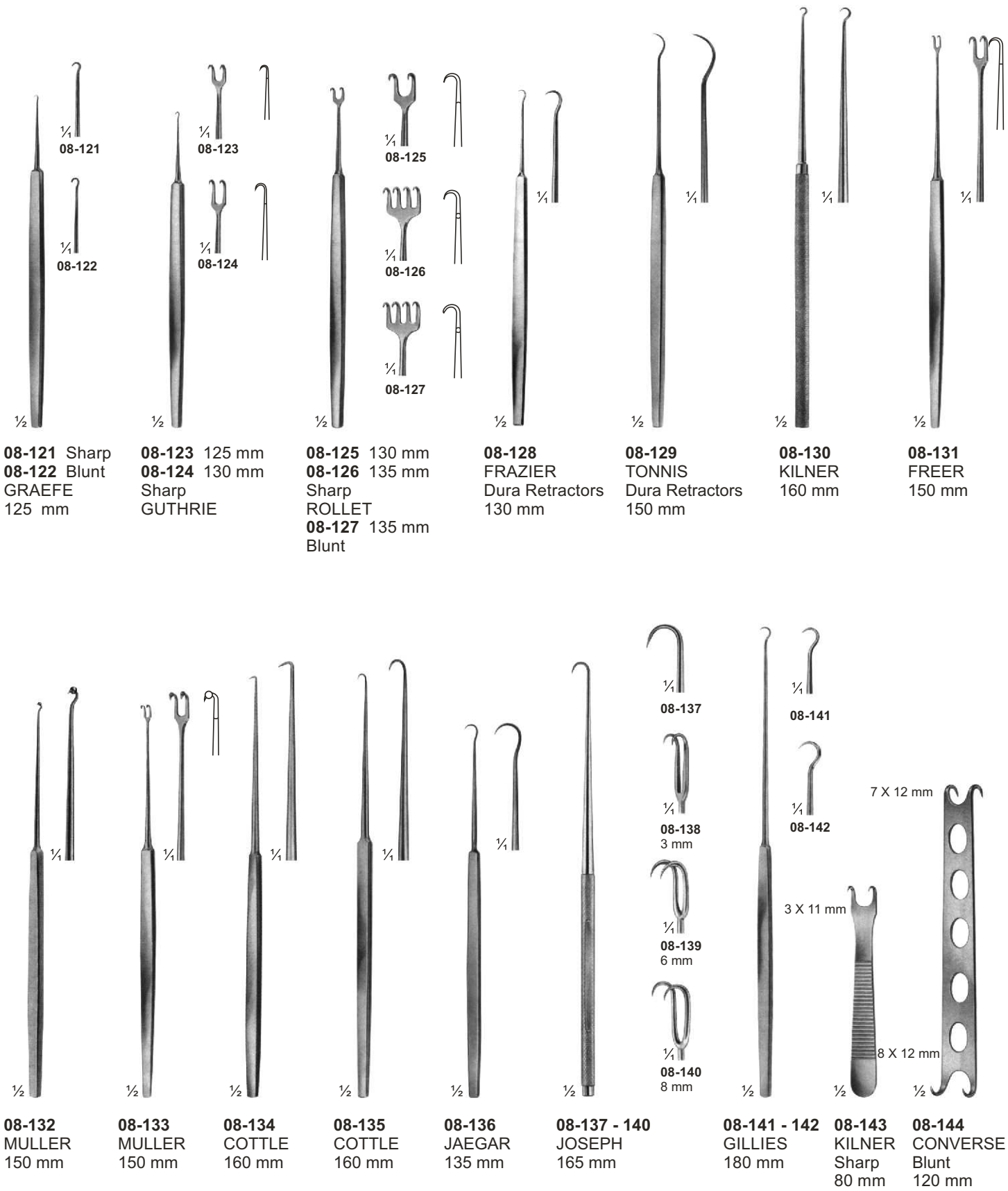


**08-110 - 111**  
CUSHING  
190 mm

# Nerve - and Vessel Hooks



# Fine Wound Retractors (Dura- and Skin Retractors)



**08-121** Sharp  
**08-122** Blunt  
GRAEFE  
125 mm

**08-123** 125 mm  
**08-124** 130 mm  
Sharp  
GUTHRIE

**08-125** 130 mm  
**08-126** 135 mm  
Sharp  
ROLLET  
**08-127** 135 mm  
Blunt

**08-128**  
FRAZIER  
Dura Retractors  
130 mm

**08-129**  
TONNIS  
Dura Retractors  
150 mm

**08-130**  
KILNER  
160 mm

**08-131**  
FREER  
150 mm

**08-132**  
MULLER  
150 mm

**08-133**  
MULLER  
150 mm

**08-134**  
COTTLE  
160 mm

**08-135**  
COTTLE  
160 mm

**08-136**  
JAEGAR  
135 mm

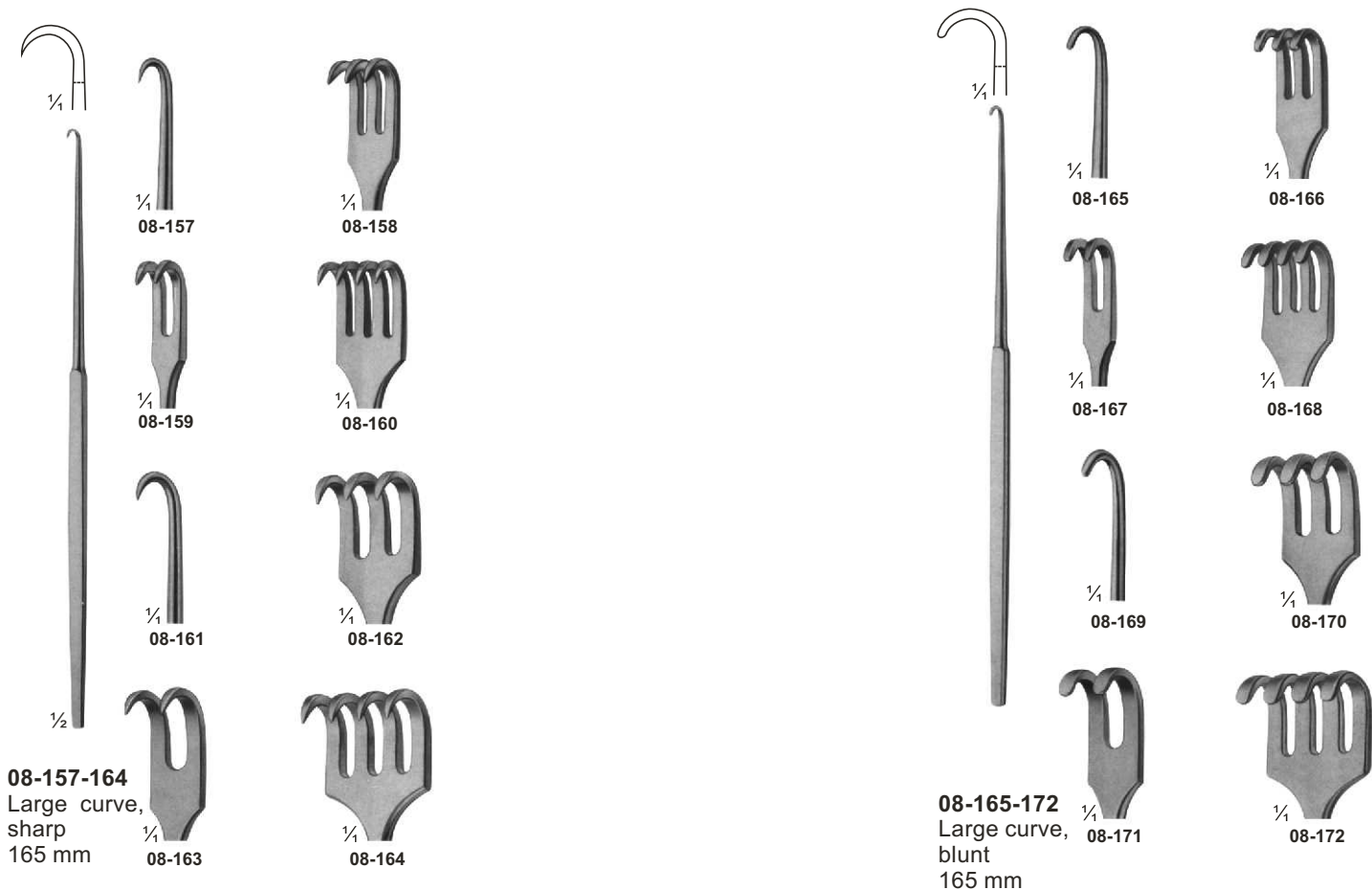
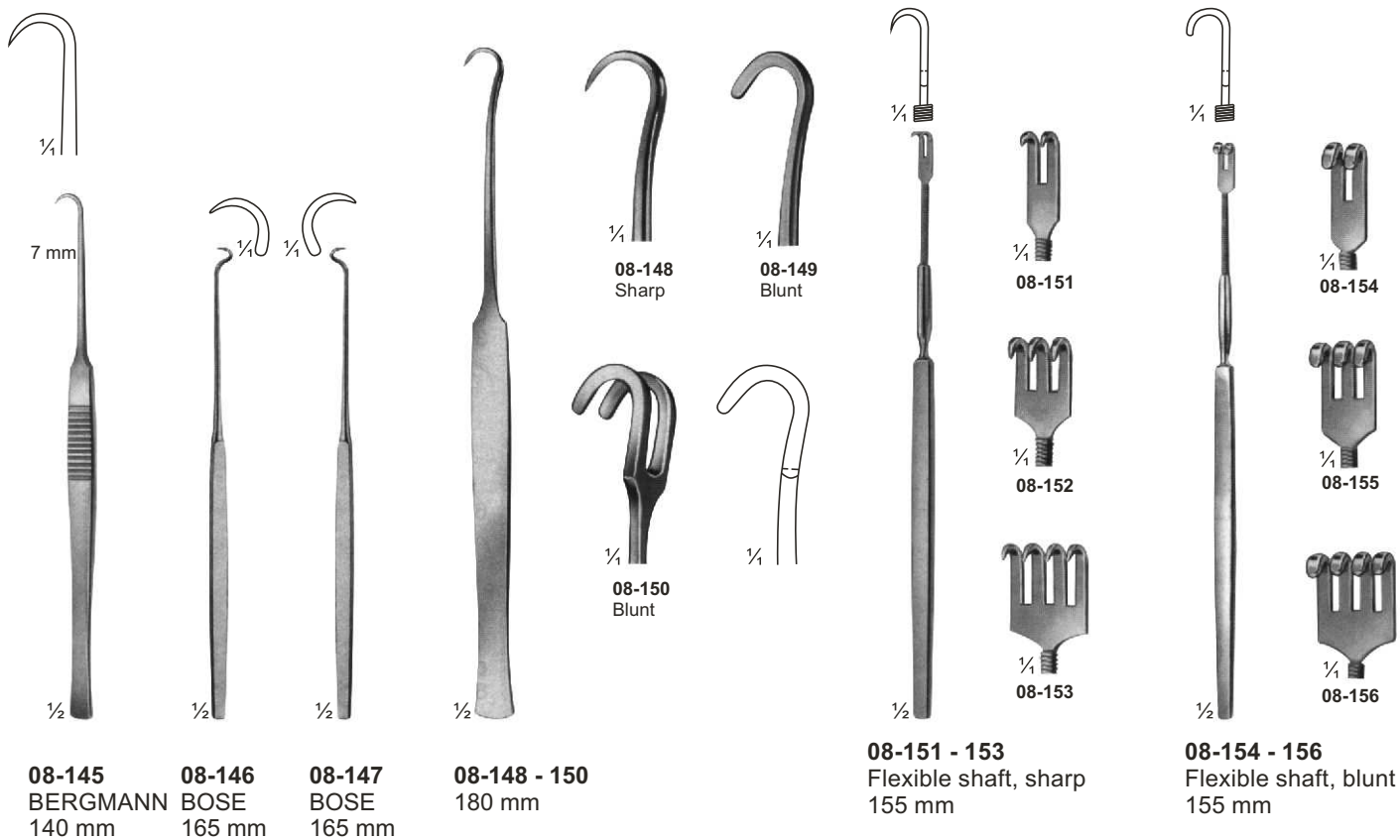
**08-137 - 140**  
JOSEPH  
165 mm

**08-141 - 142**  
GILLIES  
180 mm

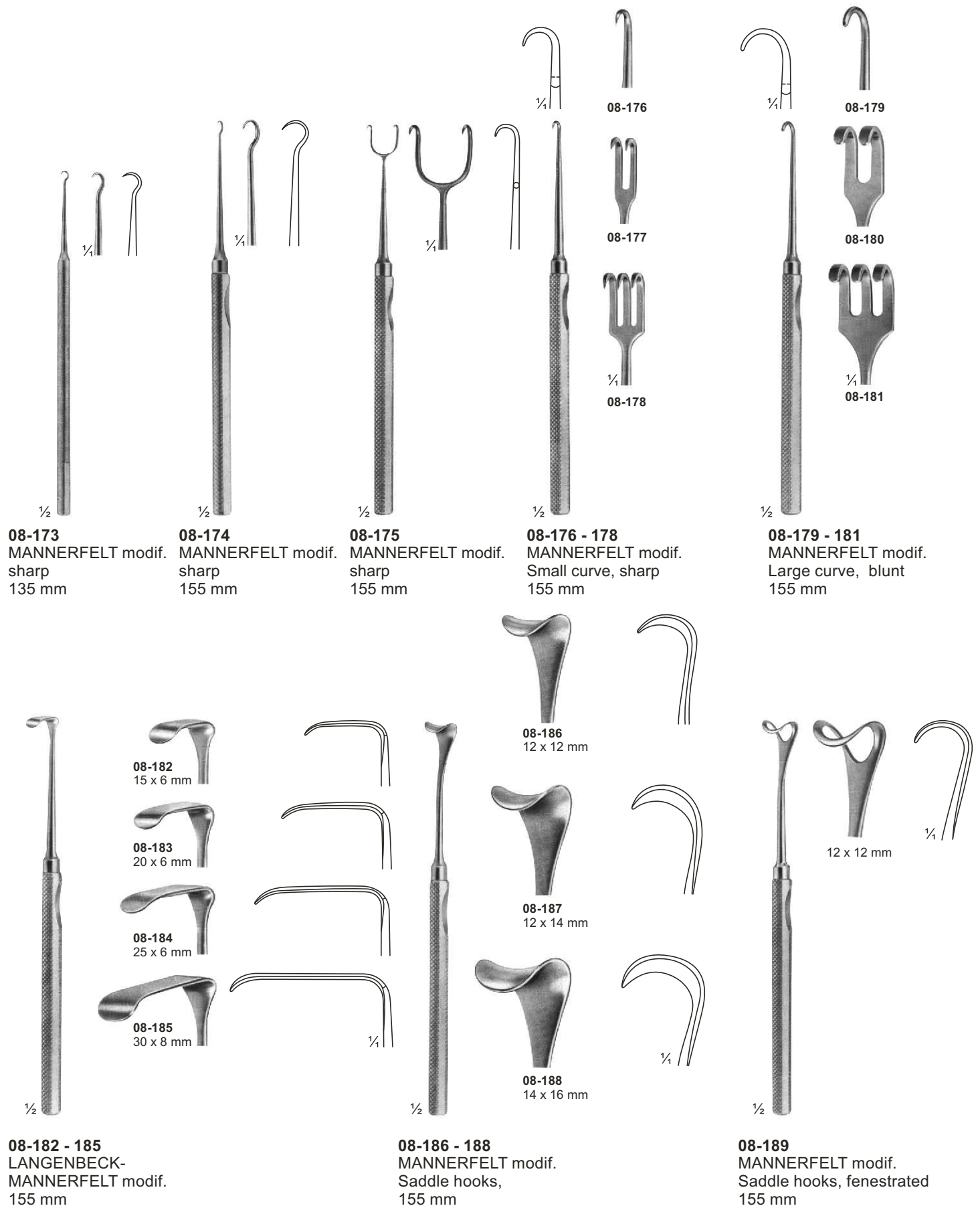
**08-143**  
KILNER  
Sharp  
80 mm

**08-144**  
CONVERSE  
Blunt  
120 mm

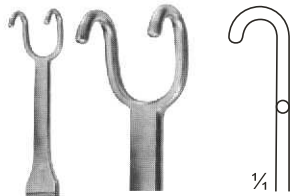
# Wound - Trachea Retractors



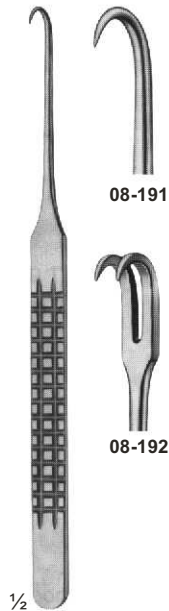
# Retractors With Treangle Handle



# Retractors



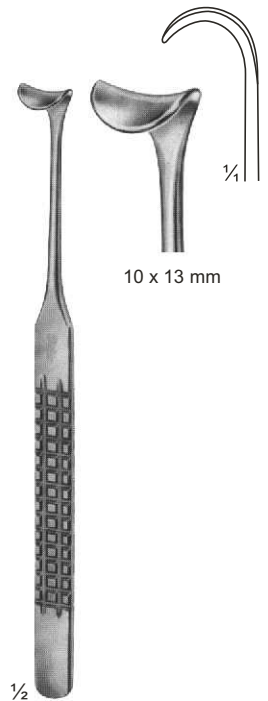
1/2  
**08-190**  
FOMON  
145 mm



1/2  
**08-191 - 192**  
160 mm



1/2  
**08-193 - 194**  
LANGENBECK-GREEN  
160 mm



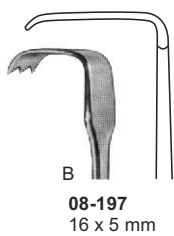
1/2  
**08-195**  
160 mm



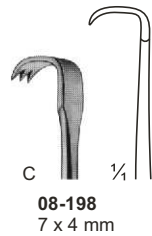
1/2  
**08-196 - 201**  
MEYERDING  
Fig. A - Fig. F  
180 mm



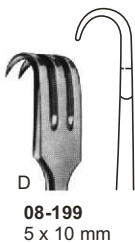
A  
**08-196**  
18 x 7 mm



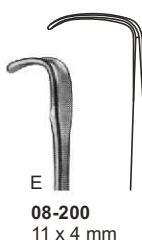
B  
**08-197**  
16 x 5 mm



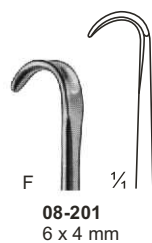
C  
**08-198**  
7 x 4 mm



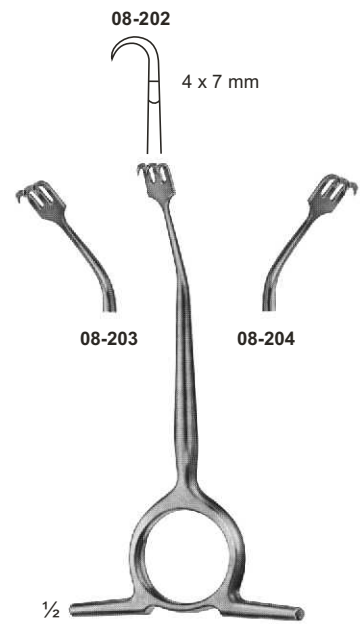
D  
**08-199**  
5 x 10 mm



E  
**08-200**  
11 x 4 mm



F  
**08-201**  
6 x 4 mm



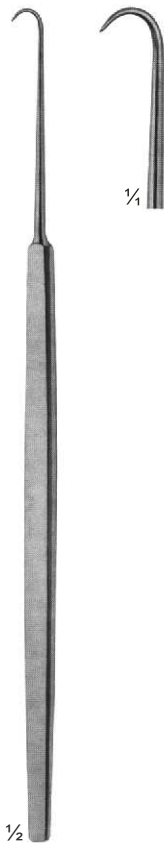
1/2  
**08-202 - 204**  
WILLIGER  
120 mm



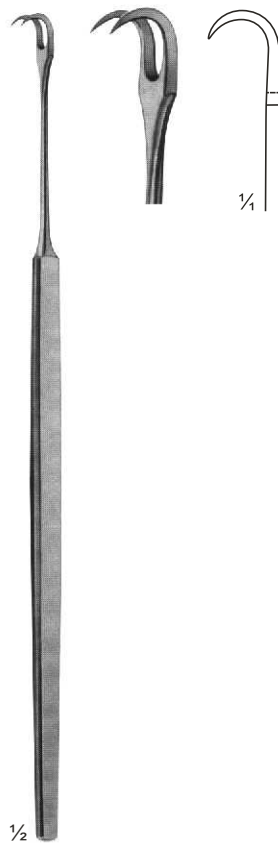
# Retractors



**08-205**  
EMMET  
Fistula hook  
220 mm



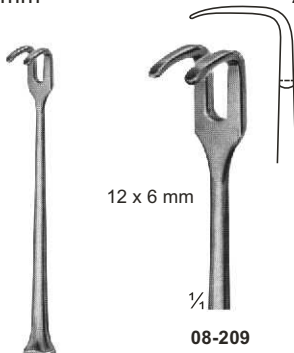
**08-206**  
SIMON  
Fistula hook  
220 mm



**08-207**  
SIMON  
Fistula hook  
220 mm

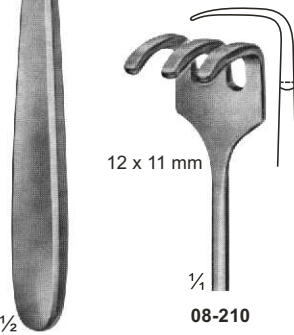


**08-208**  
LANGE  
Fistula hook  
230 mm



12 x 6 mm

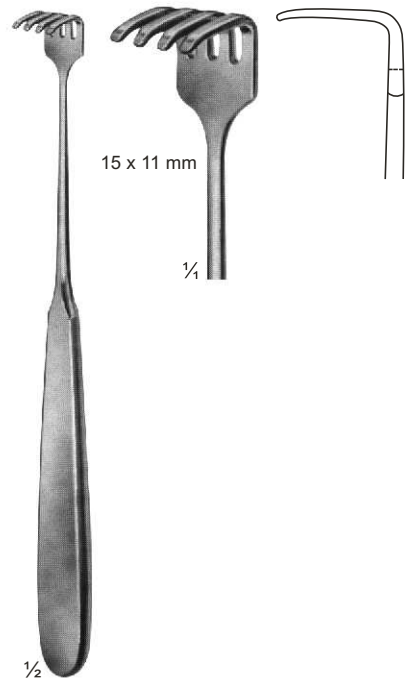
**08-209**



12 x 11 mm

**08-210**

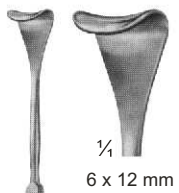
**08-209 - 210**  
Tendon hooks  
175 mm



15 x 11 mm

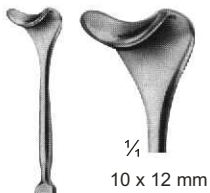
**08-211**  
KLAPP  
Tendon hooks  
175 mm

# Retractors



1/4  
6 x 12 mm

1/2  
**08-212**  
MASING  
140 mm



1/4  
10 x 12 mm

1/2  
**08-213**  
COTTLE  
140 mm



**08-214**  
9 x 9 mm



**08-215**  
9 x 12 mm

1/2  
**08-214 - 218**  
DESMARRES  
140 mm



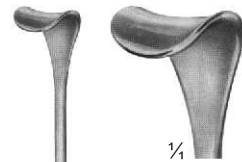
1/4  
**08-216**  
11 x 14 mm



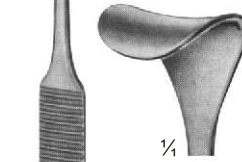
1/4  
**08-217**  
12 x 16 mm



1/4  
**08-218**  
13 x 18 mm



1/4  
**08-219**  
13 x 13 mm



1/4  
**08-220**  
12 x 16 mm

1/2  
**08-219 - 220**  
KONIG  
180 mm

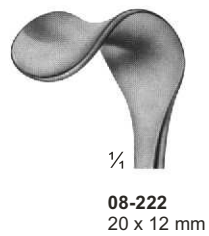


1/4  
10 x 10 mm

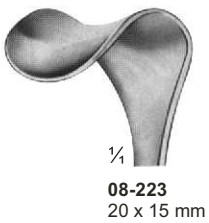
1/2  
**08-221**  
CUSHING-KOCHER  
175 mm



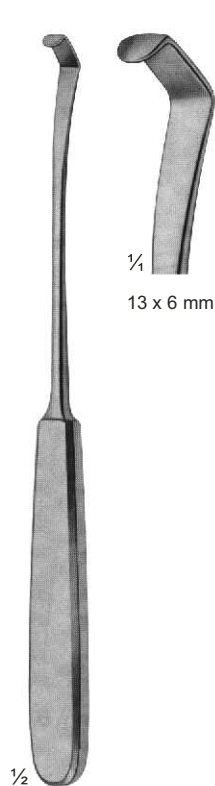
1/2  
**08-222 - 223**  
KOCHER  
205 mm



1/4  
**08-222**  
20 x 12 mm

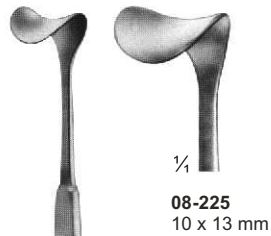


1/4  
**08-223**  
20 x 15 mm

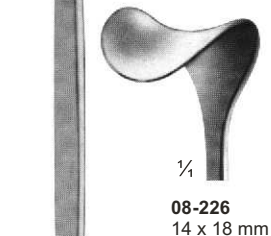


1/4  
13 x 6 mm

1/2  
**08-224**  
SCHOENBORN  
200 mm

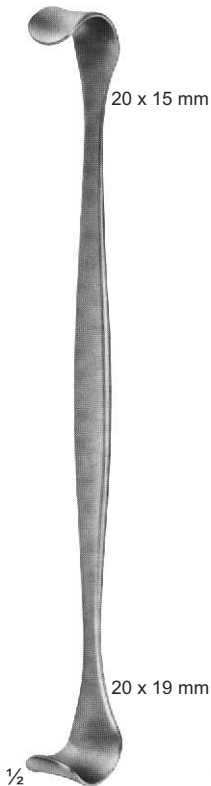


1/4  
**08-225**  
10 x 13 mm



1/4  
**08-226**  
14 x 18 mm

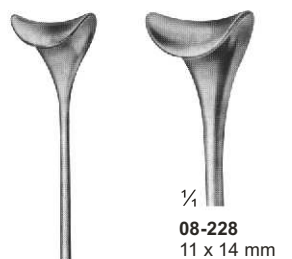
1/2  
**08-225 - 226**  
CUSHING  
205 mm



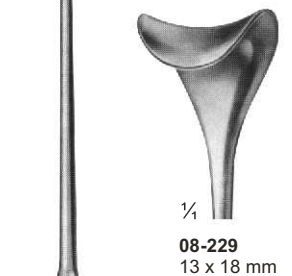
20 x 15 mm

20 x 19 mm

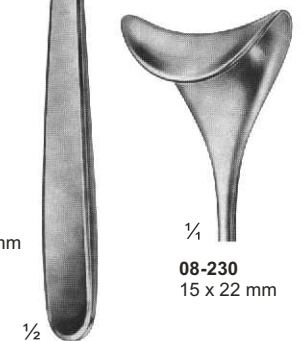
1/2  
**08-227**  
205 mm



1/4  
**08-228**  
11 x 14 mm



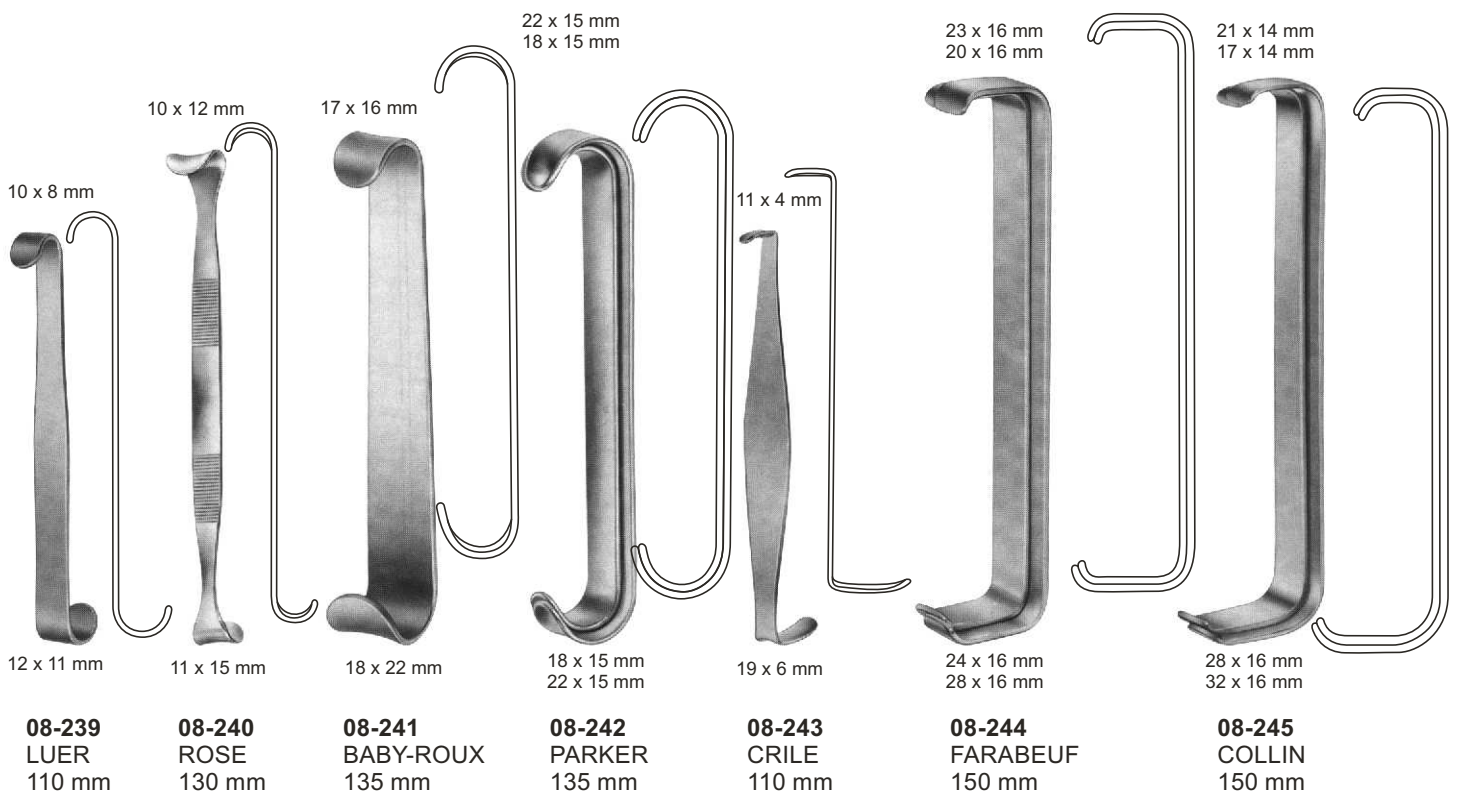
1/4  
**08-229**  
13 x 18 mm



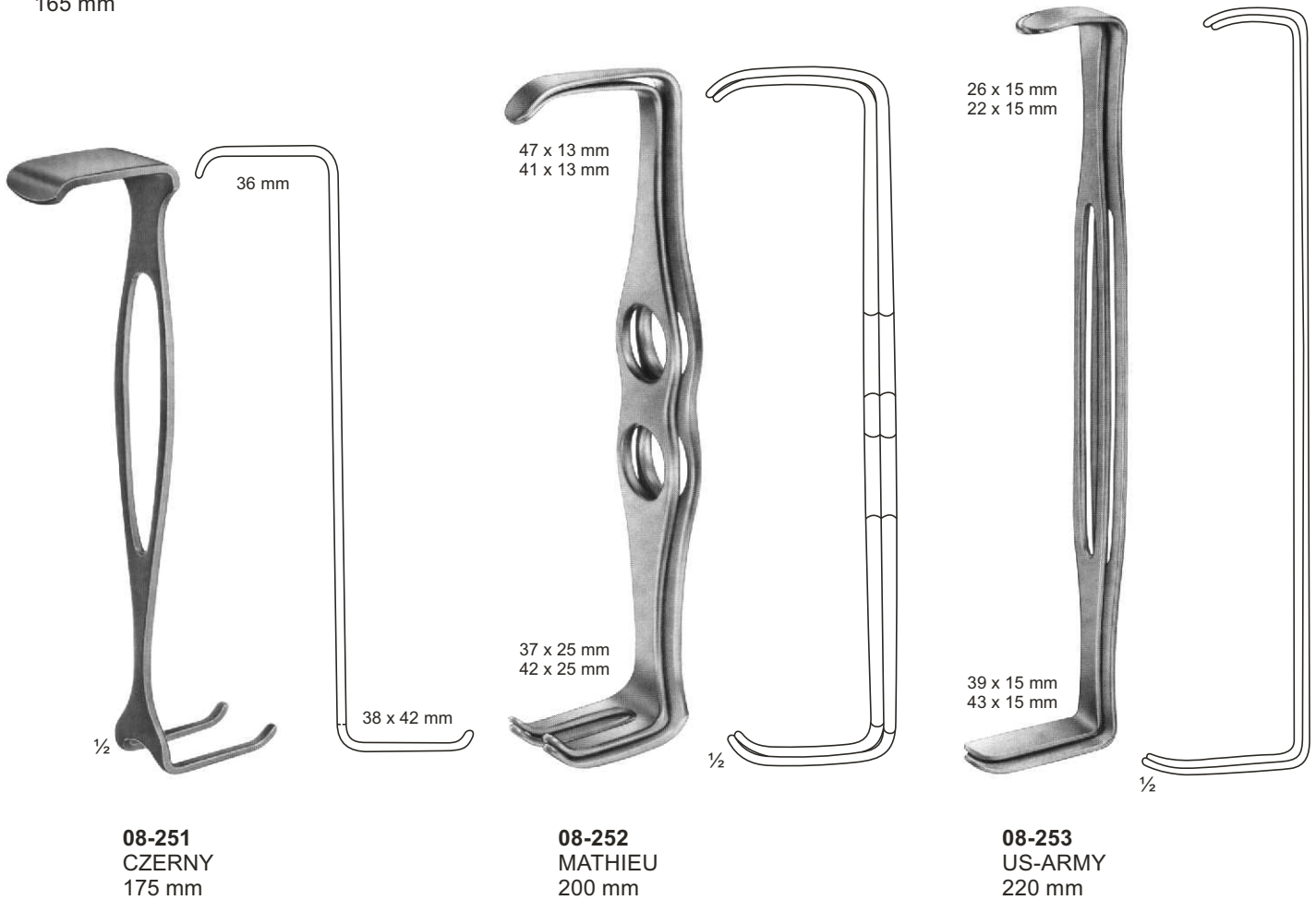
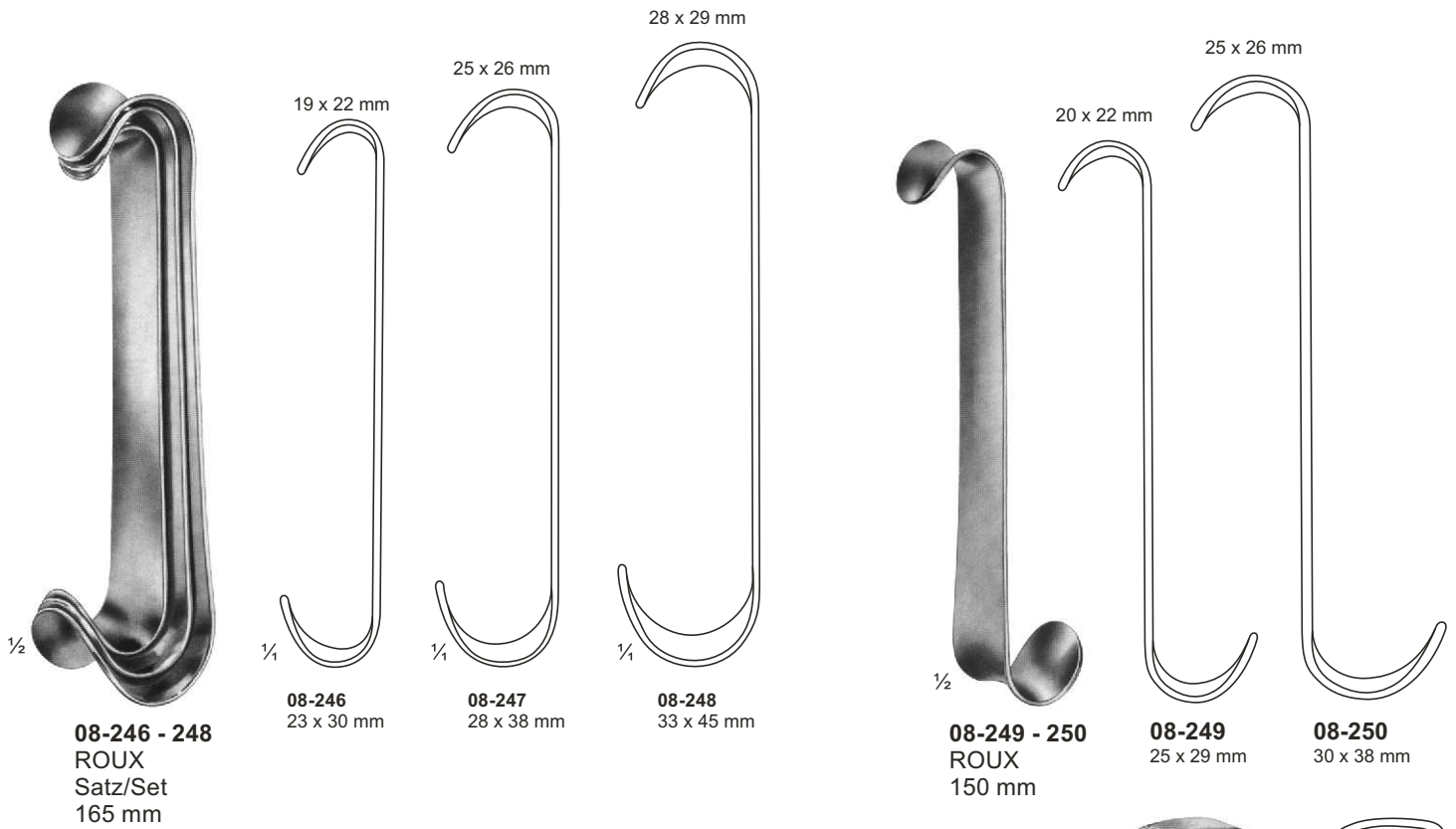
1/4  
**08-230**  
15 x 22 mm

1/2  
**08-228 - 230**  
CUSHING  
250 mm

# Retractors



# Retractors



# Bone Retractors and Retractors



**08-254**  
KOCHER  
Sharp  
205 mm



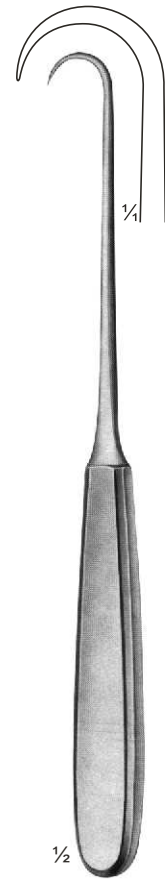
**08-255**  
KOCHER  
Sharp  
220 mm



**08-256**  
KOCHER  
Blunt  
220 mm



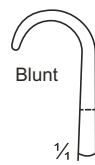
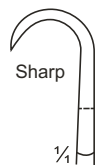
**08-257**  
VOLKMANN  
Sharp  
220 mm



**08-258**  
VOLKMANN  
Sharp  
220 mm



**08-259 - 266**  
VOLKMANN  
225 mm



**08-259**  
9 x 8 mm



**08-260**  
9 x 13 mm



**08-261**  
9 x 19 mm



**08-262**  
9 x 29 mm



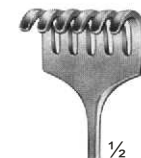
**08-263**  
8,5 x 8 mm



**08-264**  
8,5 x 13 mm

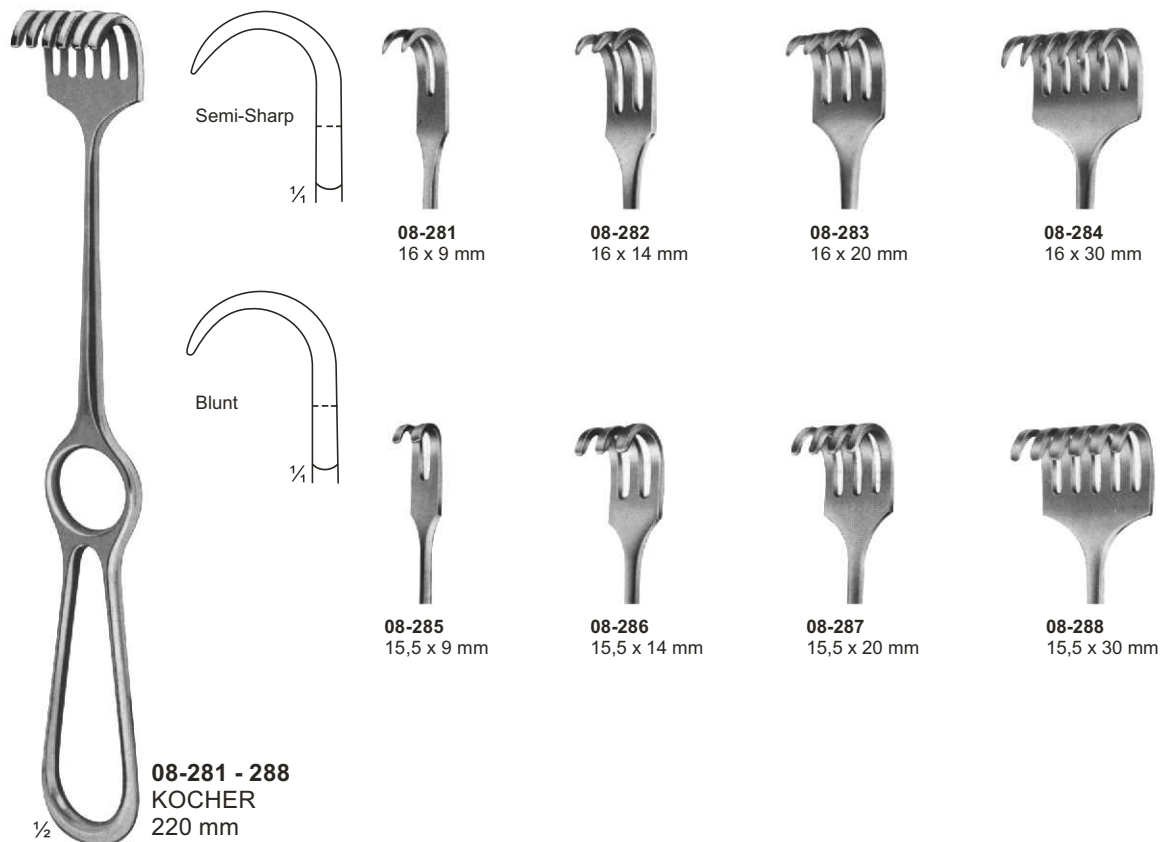
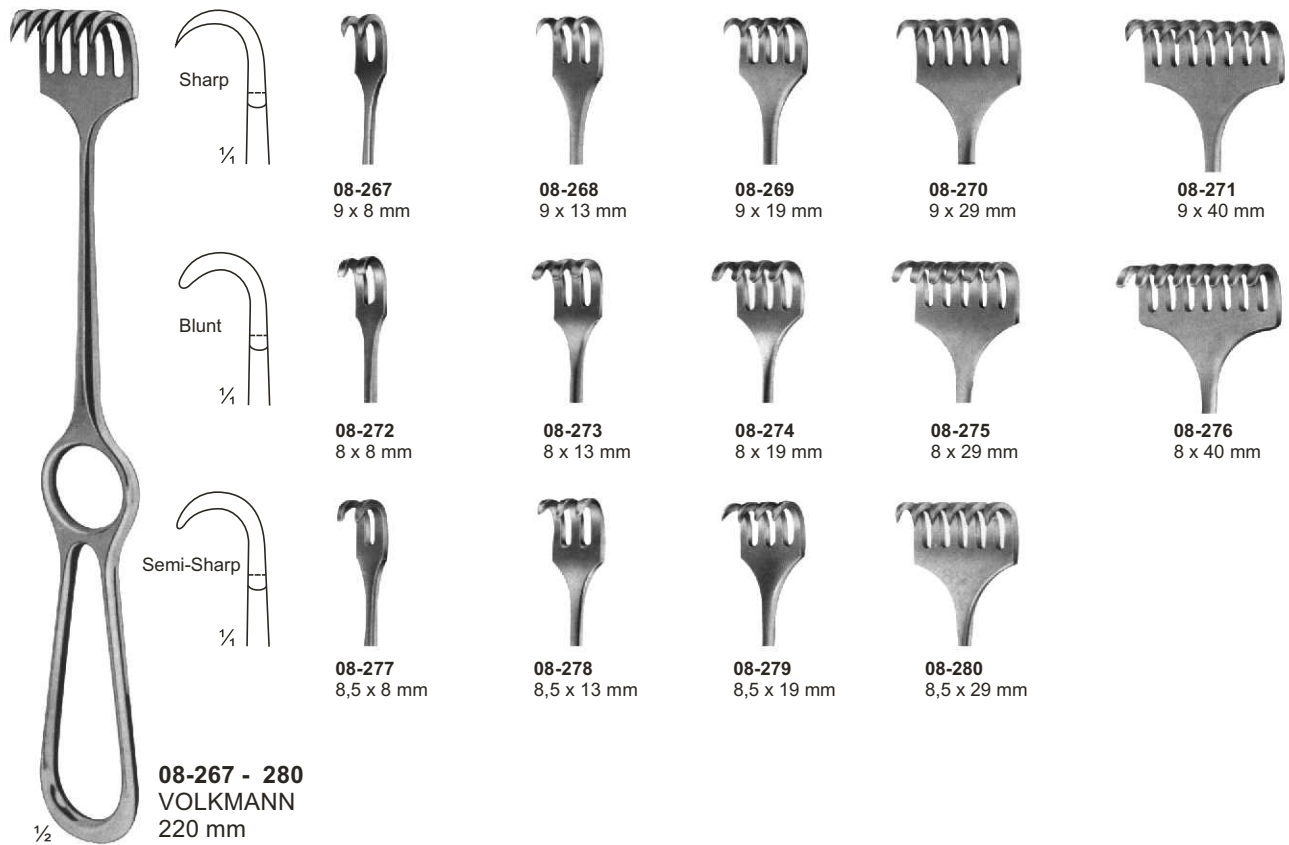


**08-265**  
8,5 x 19 mm



**08-266**  
8,5 x 29 mm

# Retractors

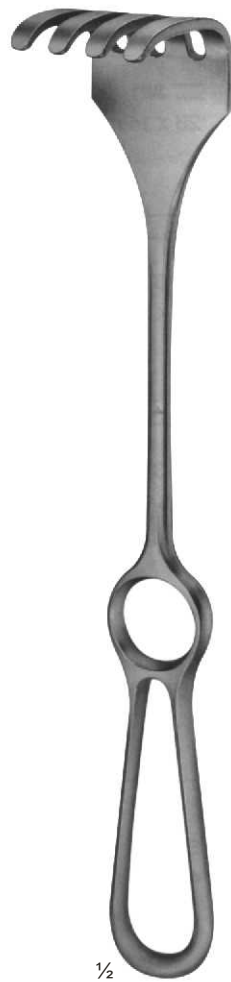




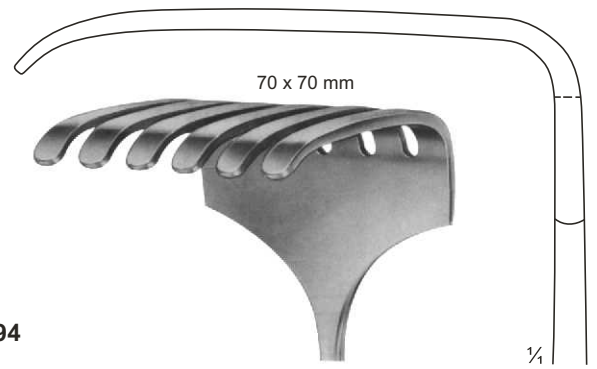
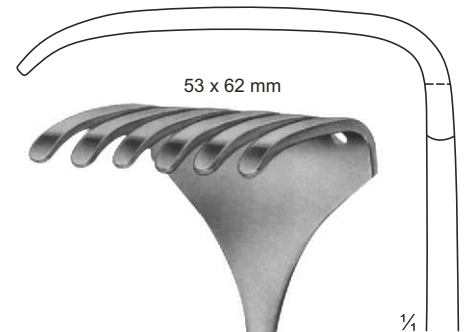
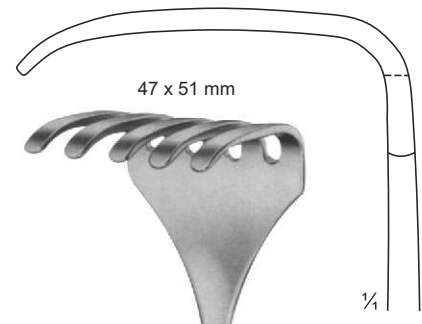
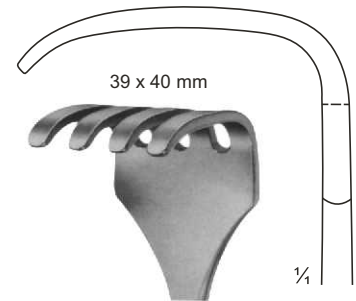
# Retractors, Deep form



**08-289 - 290**  
KORTE  
240 mm



**08-291 - 294**  
ISRAEL  
255 mm



# Retractors



08-294

1/2

**08-295 - 300**  
LANGENBECK  
210 mm

- 08-295 28 x 10 mm
- 08-296 28 x 14 mm
- 08-297 33 x 14 mm
- 08-298 28 x 16 mm
- 08-299 40 x 10 mm
- 08-300 40 x 13 mm



08-300

1/2

**08-301 - 307**  
KOCHER-LANGENBECK  
215 mm

- 08-301 25 x 6 mm
- 08-302 35 x 8 mm
- 08-303 35 x 11 mm
- 08-304 35 x 15 mm
- 08-305 41 x 11 mm
- 08-306 55 x 11 mm
- 08-307 70 x 14 mm



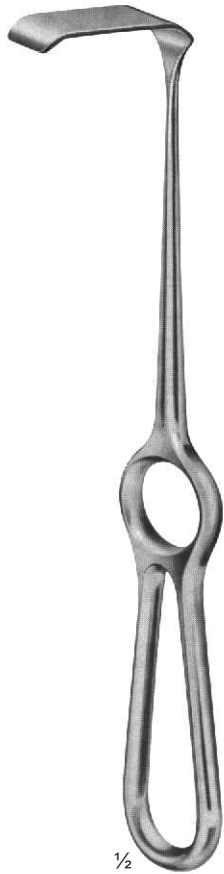
83 x 15 mm

Handle vertical to the Blade

1/2

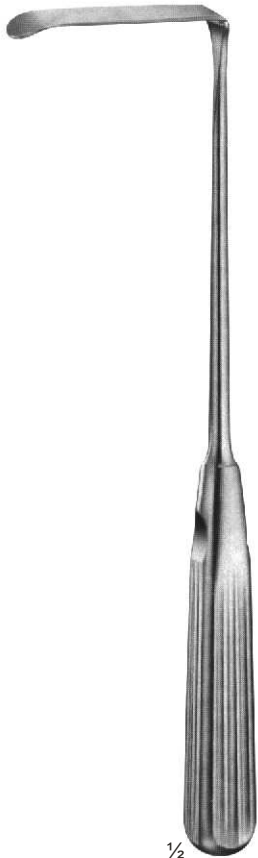
**08-308**  
LANGENBECK  
215 mm

# Retractors



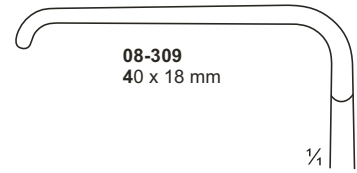
**08-309 - 313**  
**KOCHER**  
 230 mm

1/2



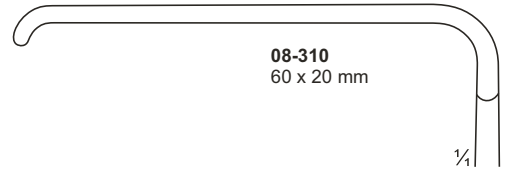
**08-314 - 316**  
**SAUERBRUCH**  
 225 mm

1/2



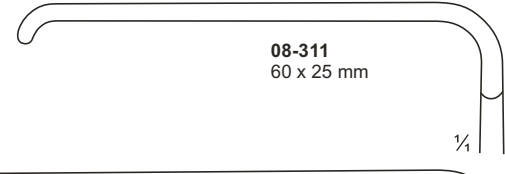
**08-309**  
 40 x 18 mm

1/4



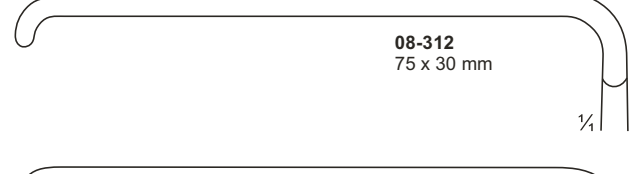
**08-310**  
 60 x 20 mm

1/4



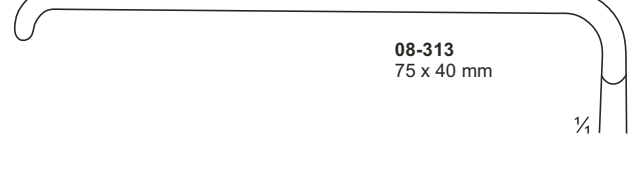
**08-311**  
 60 x 25 mm

1/4



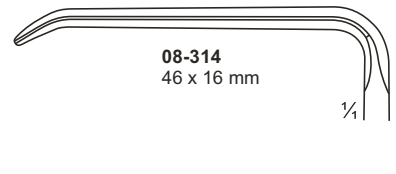
**08-312**  
 75 x 30 mm

1/4



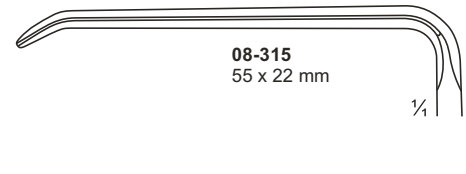
**08-313**  
 75 x 40 mm

1/4



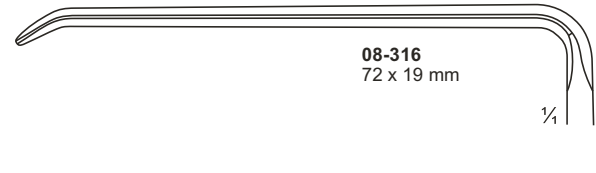
**08-314**  
 46 x 16 mm

1/4



**08-315**  
 55 x 22 mm

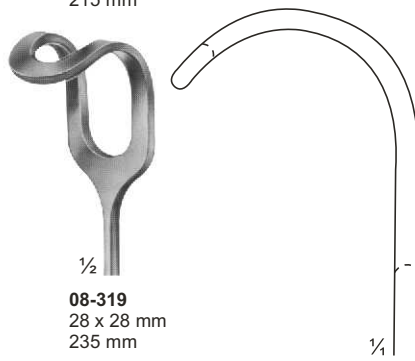
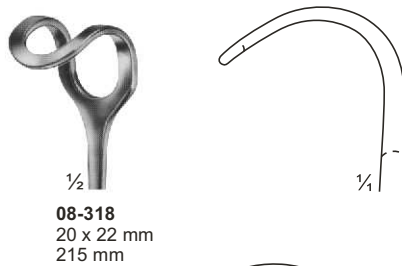
1/4



**08-316**  
 72 x 19 mm

1/4

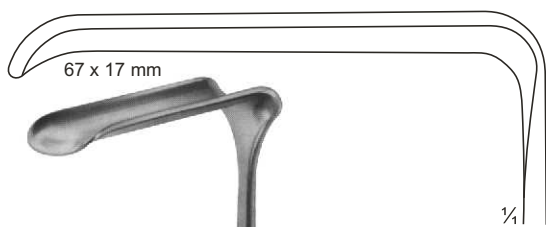
# Retractors



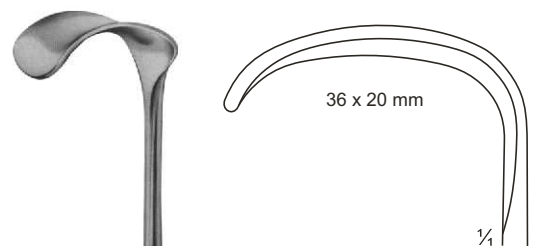
1/2  
**08-317 - 319**  
 MIDDELDORPF



1/2  
**08-320**  
 BUCHS  
 205 mm



1/2  
**08-321**  
 CASPAR  
 210 mm

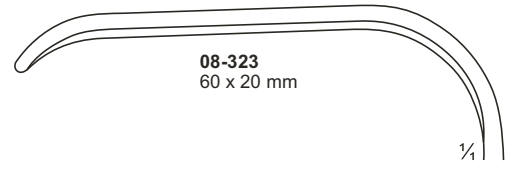


1/2  
**08-322**  
 KOCHER  
 230 mm

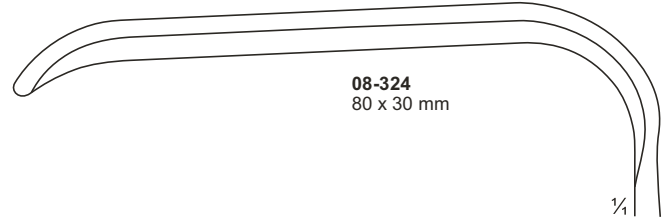
# Retractors



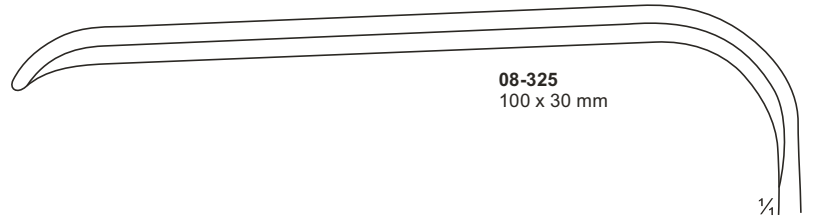
**08-323 - 328**  
HOSEL  
250 mm



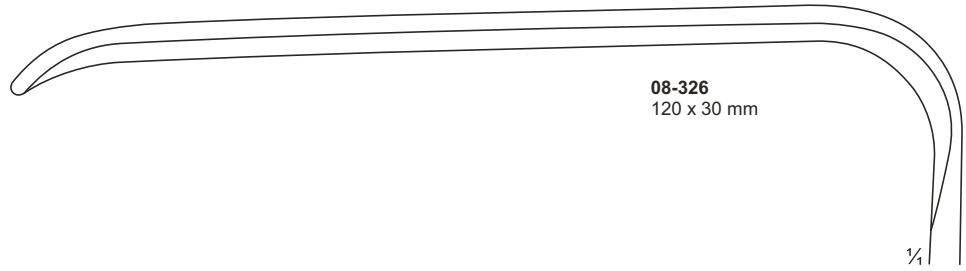
**08-323**  
60 x 20 mm



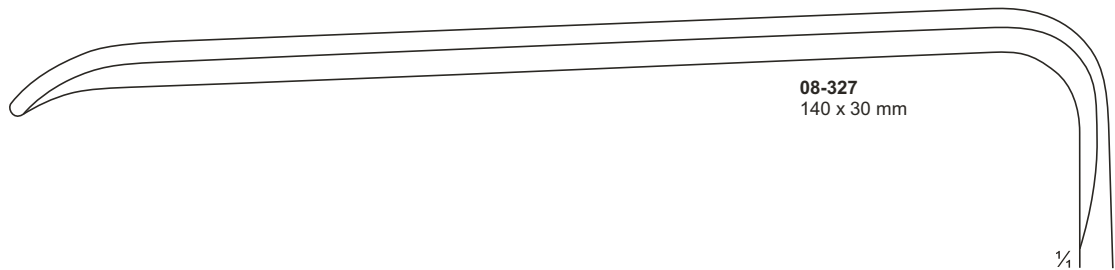
**08-324**  
80 x 30 mm



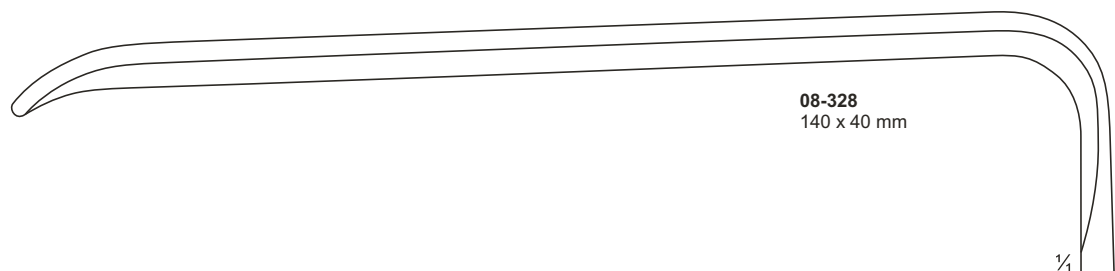
**08-325**  
100 x 30 mm



**08-326**  
120 x 30 mm

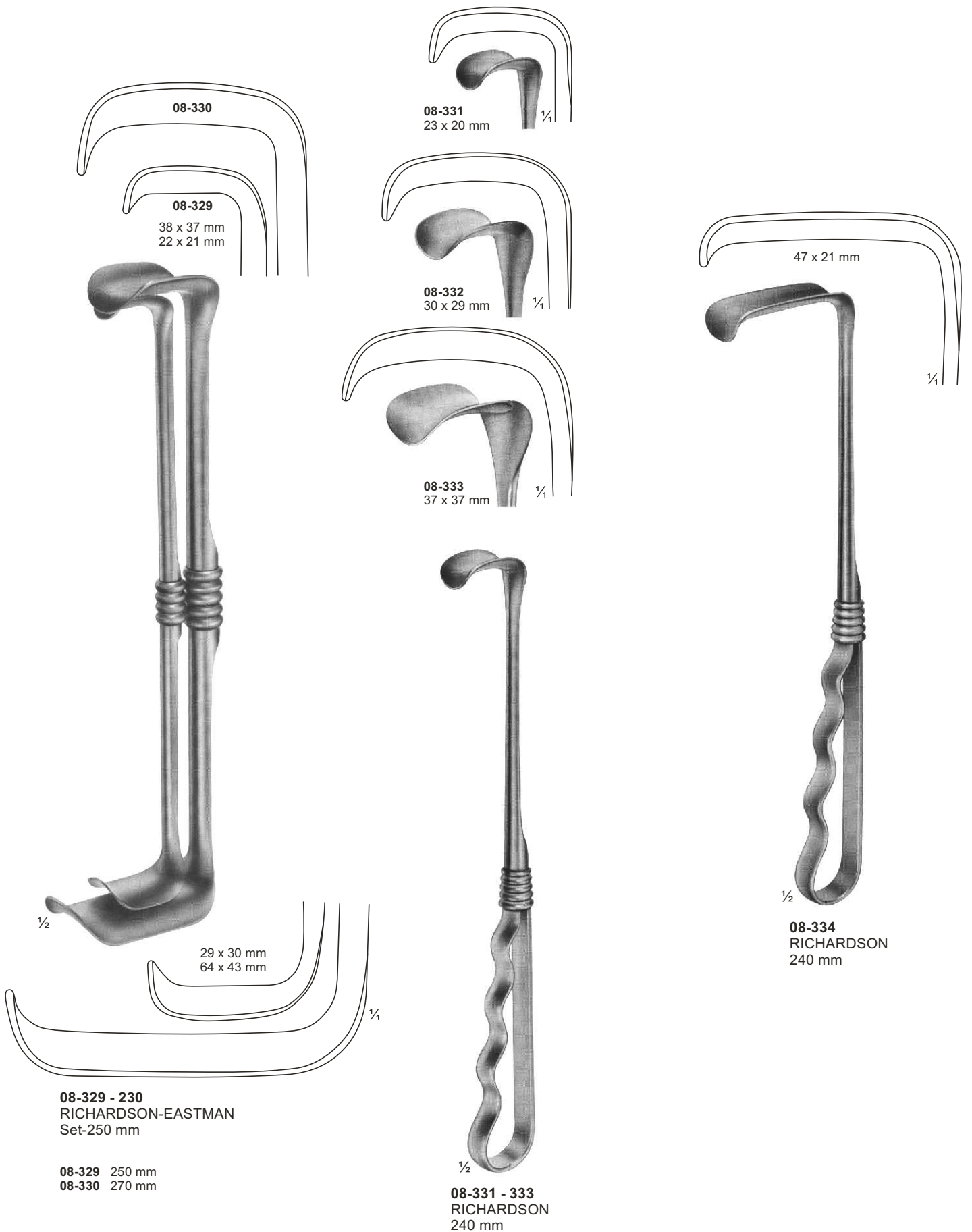


**08-327**  
140 x 30 mm



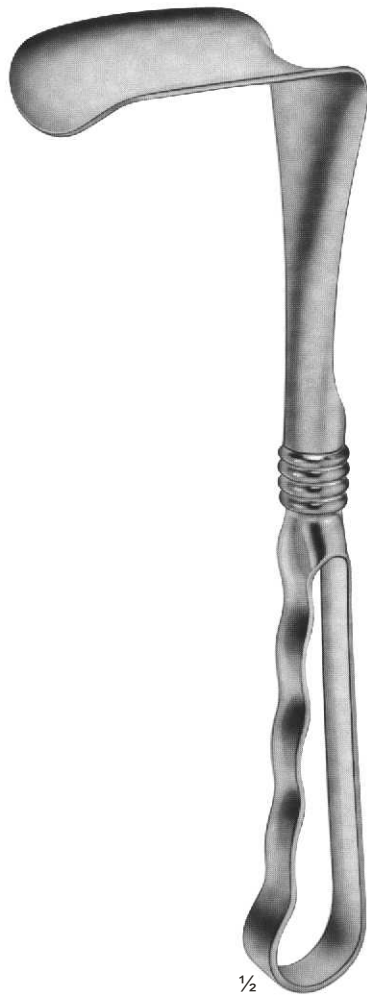
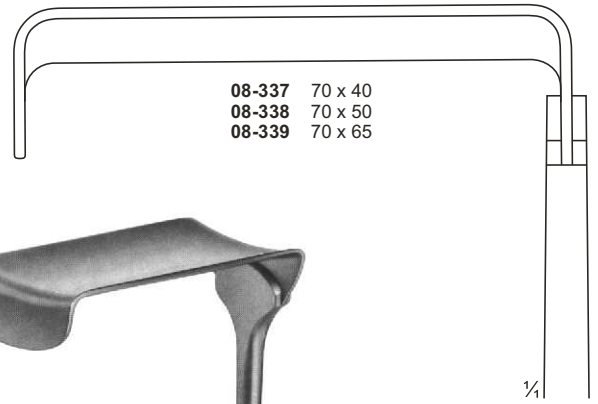
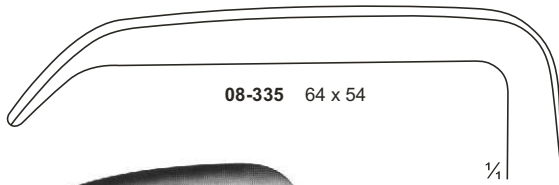
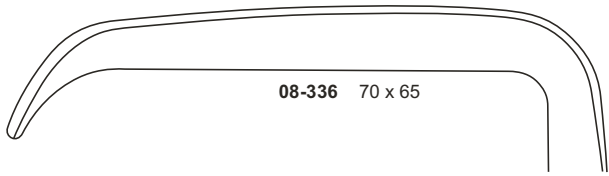
**08-328**  
140 x 40 mm

# Retractors





# Retractors



**08-335 - 336**  
KELLY  
260 mm

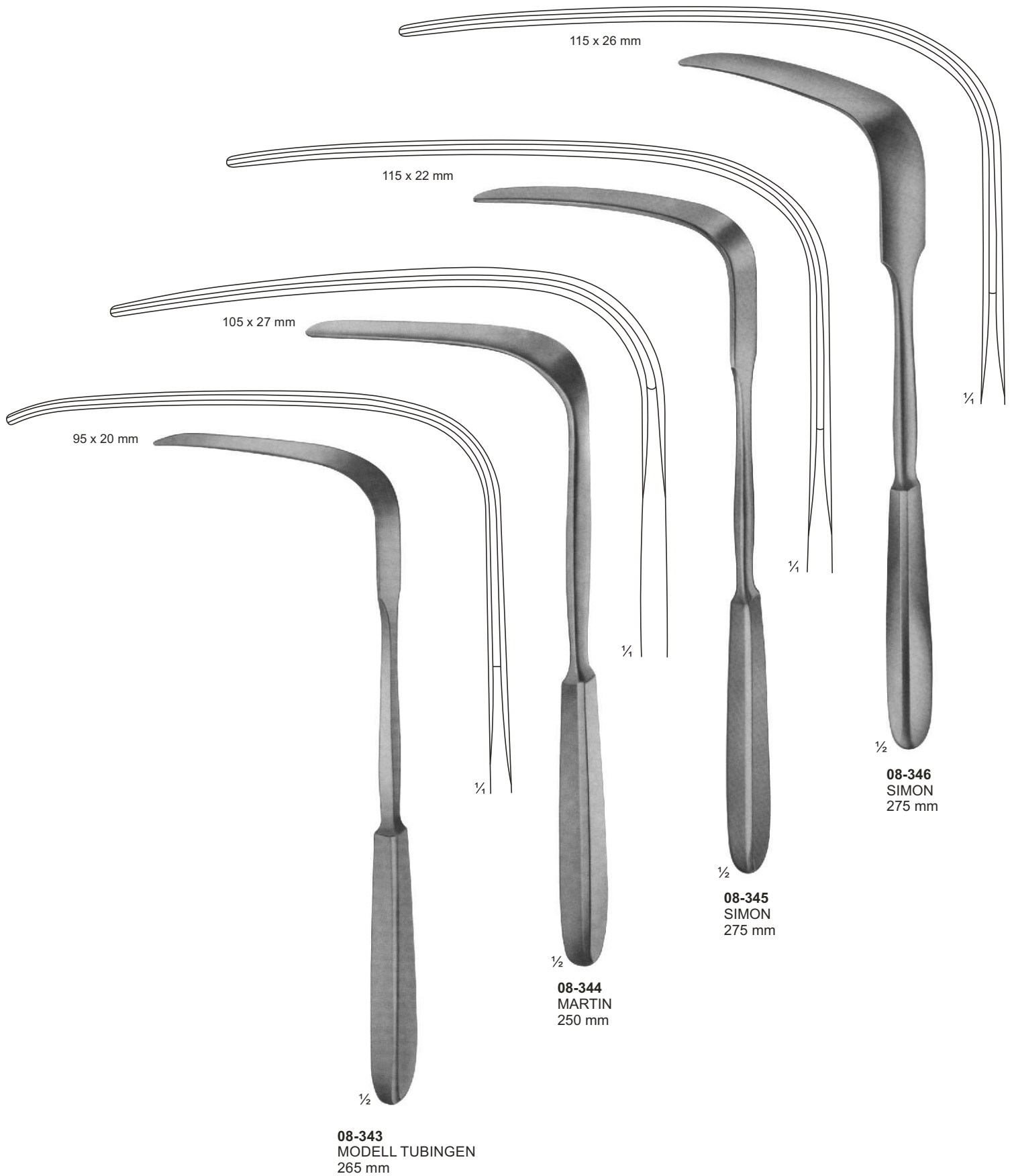


**08-337 - 339**  
MORRIS  
245 mm

# Retractors For Deep Surgery



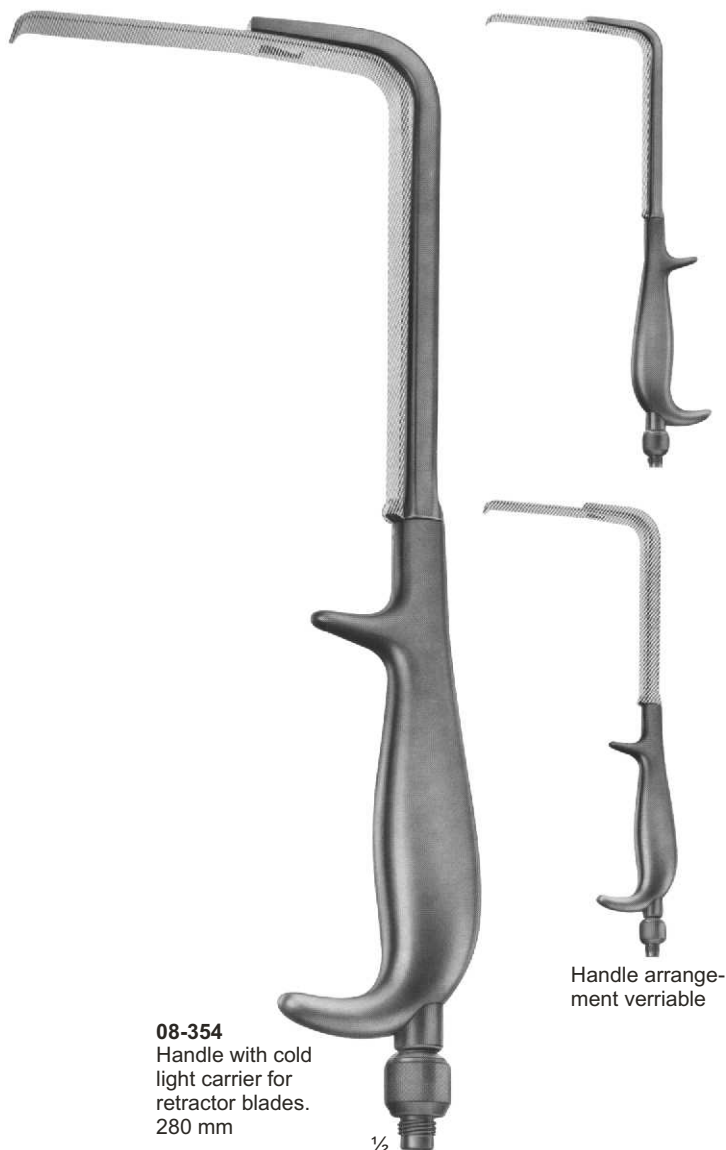
# Retractors For Deep Surgery



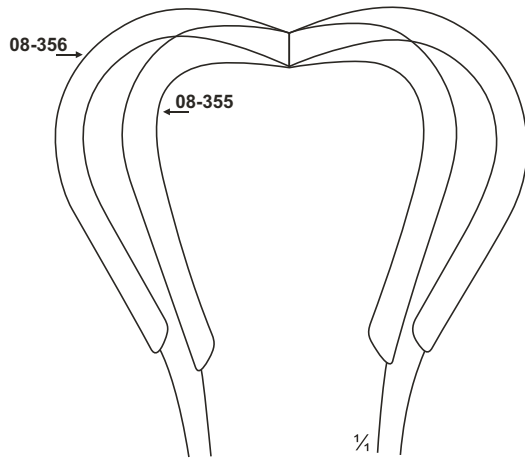
Vario Retractor System, Germ. Fed. Patent,  
Germ. Fed. Regd.Des.



- 08-347 - 353**  
BRUNNER  
275 mm
- 08-347** 80 x 20
  - 08-348** 100 x 25
  - 08-349** 120 x 25
  - 08-350** 130 x 30
  - 08-351** 140 x 30
  - 08-352** 160 x 30
  - 08-353** 180 x 30



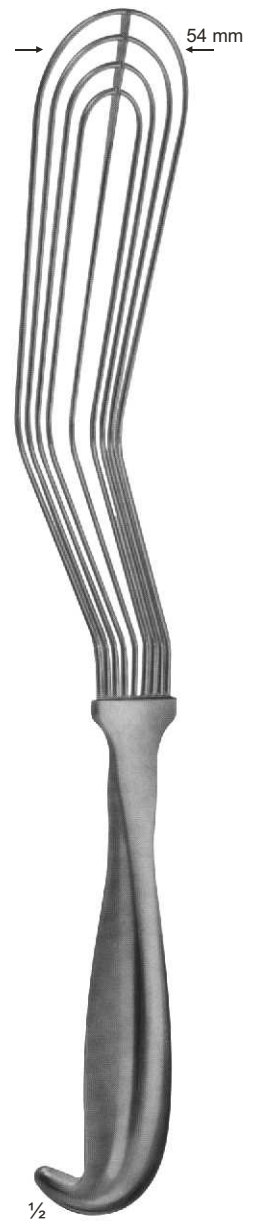
# Retractors, Lung Spatulas



**08-355 - 356**  
**HARRINGTON**  
**08-355** 123 x 45 mm  
**08-356** 123 x 64 mm  
 Flexible  
 295 mm



**08-357**  
**ALLISON**  
 255 mm



**08-358**  
**ALLISON**  
 320 mm

# Retractors, Lung Spatulas





# Retractors, Lung Spatulas



**08-364**  
DEAVER  
300 mm  
Fig. 1

**08-365**  
DEAVER  
315 mm  
Fig. 2

**08-366**  
DEAVER  
365 mm  
Fig. 2

# Retractors, Lung Spatulas

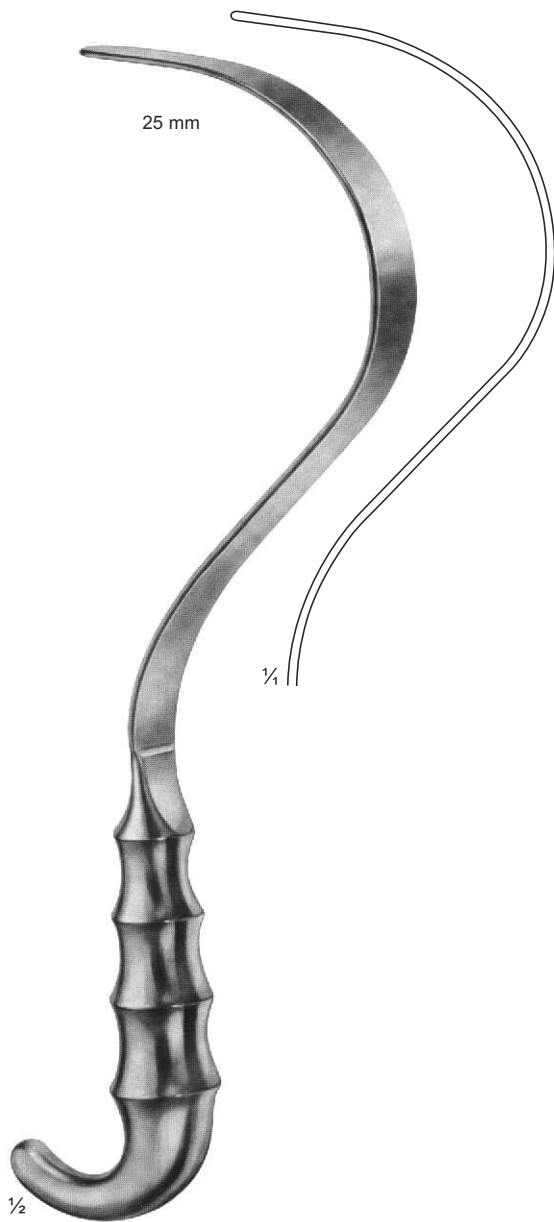


**08-367**  
DEAVER  
300 mm  
Fig. 3

**08-368**  
DEAVER  
310 mm  
Fig. 4

**08-369**  
DEAVER  
320 mm  
Fig. 5

# Retractors, Lung Spatulas



**08-370**  
DEAVER  
310 mm  
Fig. 1



**08-371**  
DEAVER  
310 mm  
Fig. 3

# Retractors, Lung Spatulas



**08-372**  
DEAVER  
305 mm  
Fig. 3

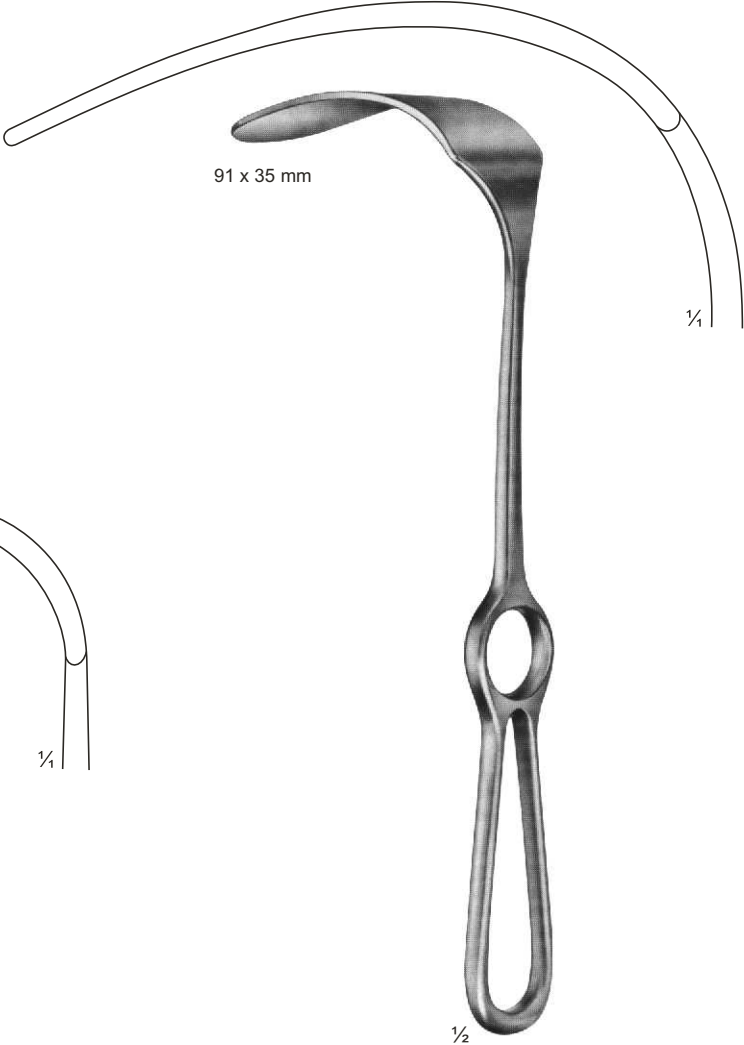


**08-373**  
DEAVER  
310 mm  
Fig. 4

# Retractors For Deep Surgery (Abdominal Retractors)

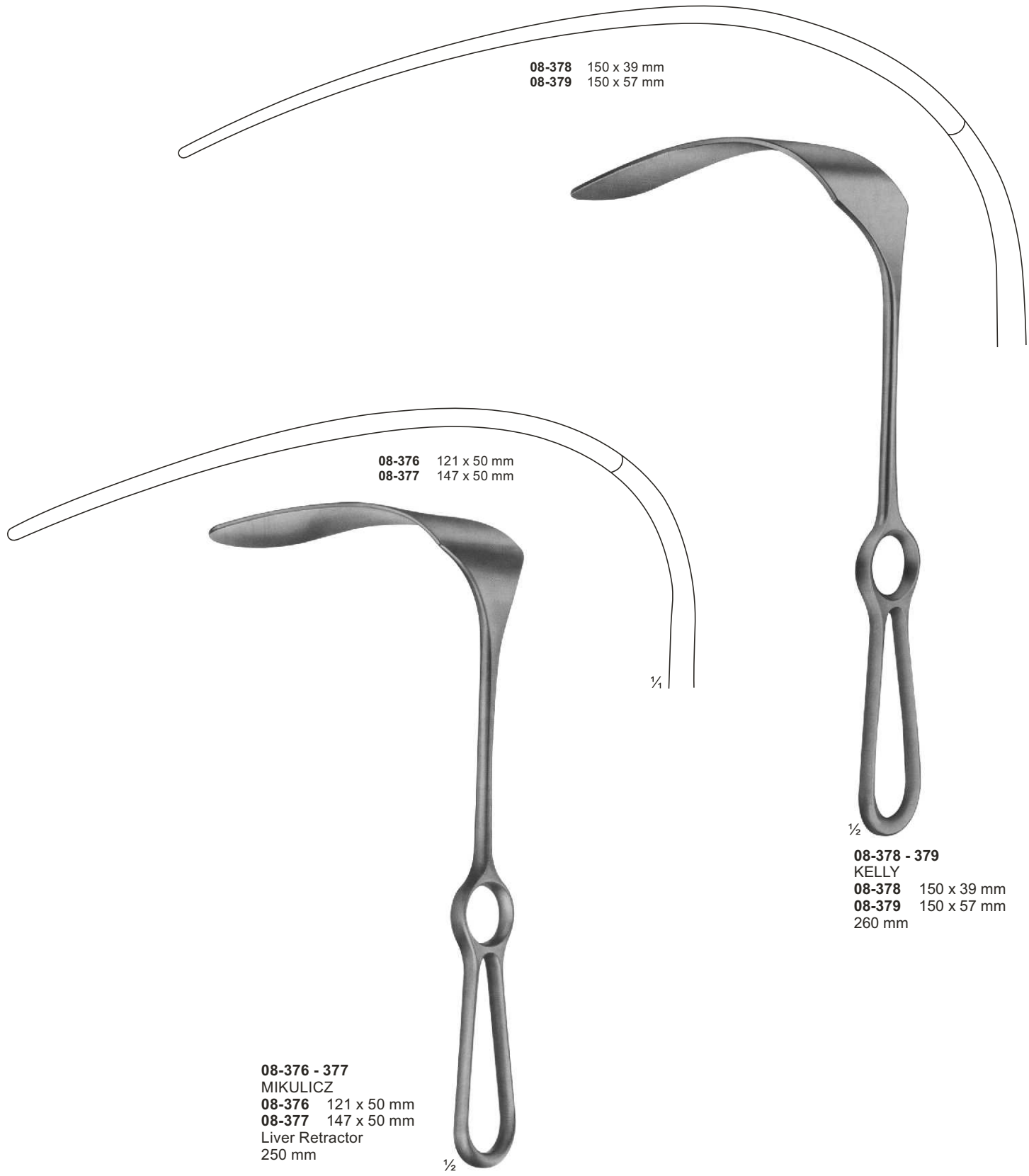


**08-374**  
MIKULICZ  
255 mm



**08-375**  
MIKULICZ  
250 mm

# Retractors For Deep Surgery (Abdominal Retractors)



08-378 150 x 39 mm  
 08-379 150 x 57 mm

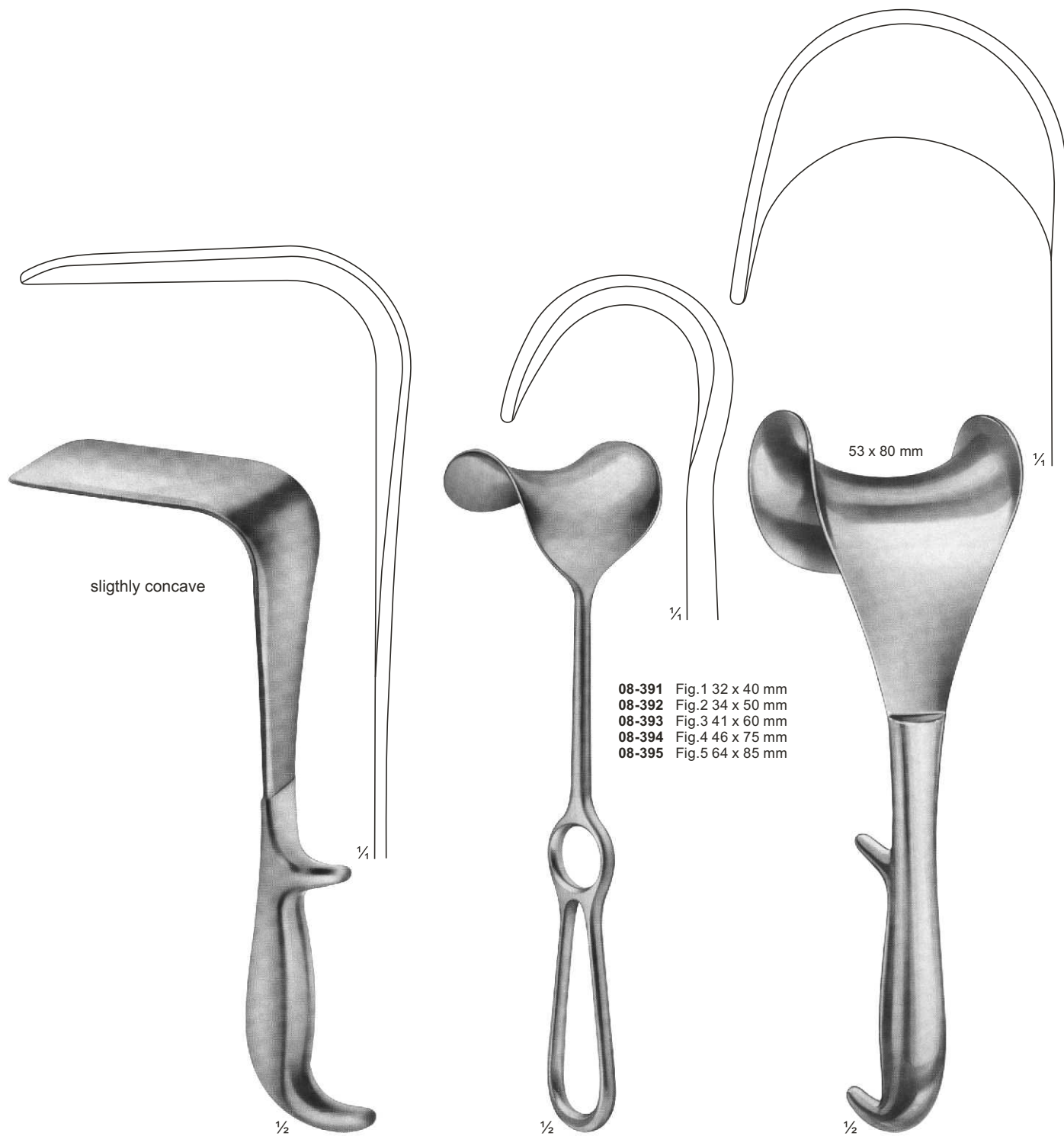
08-376 121 x 50 mm  
 08-377 147 x 50 mm

08-378 - 379  
 KELLY  
 08-378 150 x 39 mm  
 08-379 150 x 57 mm  
 260 mm

08-376 - 377  
 MIKULICZ  
 08-376 121 x 50 mm  
 08-377 147 x 50 mm  
 Liver Retractor  
 250 mm



# Retractors, Abdominal Retractors



**08-380 - 390**  
DOYEN  
240 mm

**08-391 - 395**  
FRITSCH  
240 mm

**08-396**  
DOYEN  
250 mm

- 08-391 Fig.1 32 x 40 mm
- 08-392 Fig.2 34 x 50 mm
- 08-393 Fig.3 41 x 60 mm
- 08-394 Fig.4 46 x 75 mm
- 08-395 Fig.5 64 x 85 mm

**Width of Blades**  
35 mm, 45 mm, 60 mm

**Length of Blades**  
62 mm    08-380, 08-381, 08-382  
92 mm    08-383, 08-384, 08-385  
122 mm   08-386, 08-387, 08-388  
160 mm   08-389, 08-390

# Abdominal Retractors



**08-397 - 401**  
**ROCHARD**  
 310 mm  
**08-397** 48 x 90 mm  
**08-398** 48 x 105 mm  
**08-399** 48 x 120 mm  
**08-400** 48 x 135 mm  
**08-401** 48 x 155 mm



**08-402**



**08-403 - 406**  
**DOYEN**  
 280 mm  
**08-403** 48 x 90 mm  
**08-404** 48 x 105 mm  
**08-405** 48 x 120 mm  
**08-406** 48 x 135 mm

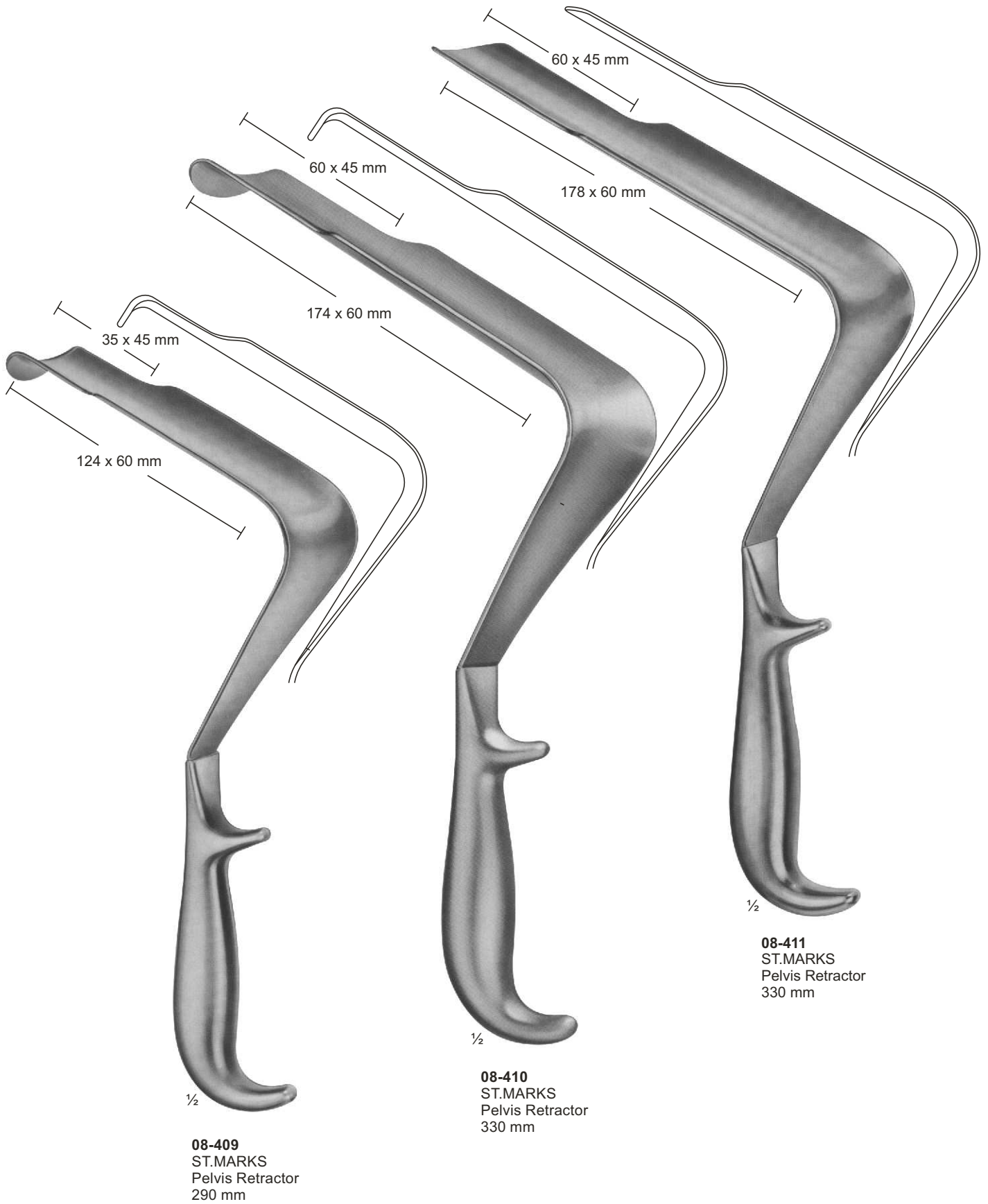


**08-407**  
**DOYEN-CHILD**  
 Fixation device  
 220 mm



**08-408**  
 Chain with  
 weight (747 / 645g)  
 790 mm

# Pelvis Retractors



# Abdominal- and Intestinal Spatulas



**08-412**  
LERICHE  
255 mm

**08-413**  
KUMMEL  
Melleable  
285 mm

**08-414**  
MIKULICZ  
29 mm  
250 mm

**08-415 - 416**  
KADER  
**08-415** 30 mm  
**08-416** 40 mm  
270 mm

# Abdominal- and Intestinal Spatulas



**08-417**  
REVERDIN  
285 mm



**08-418**  
HABERER  
Malleable  
305 mm



**08-419** 30 mm  
**08-420** 40 mm  
**08-421** 50 mm  
Malleable  
330 mm



**08-422**  
TUFFIER  
Malleable  
200 mm

# Self-Retaining Retractors



**08-423**  
BOSE  
60 mm



**08-424**  
FINSEN  
50 mm



**08-425**  
FINSEN  
70 mm



**08-426**  
FINSEN modif.  
75 mm



**08-427**  
45 mm



**08-428**  
55 mm



**08-429**  
MUELLER  
65 mm



**08-430**  
100 mm



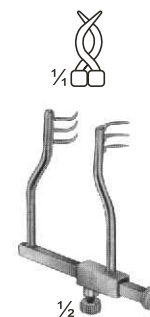
**08-431**



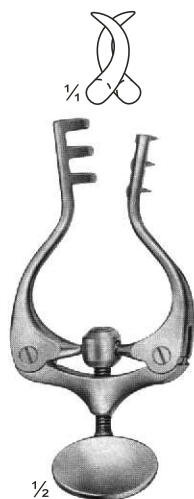
**08-432**



**08-431 - 432**  
ALM  
**08-431** 70 mm  
**08-432** 100 mm



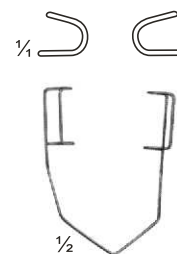
**08-433**  
LOGAN  
modif. REILL  
50 mm



**08-434**  
JANSEN  
100 mm



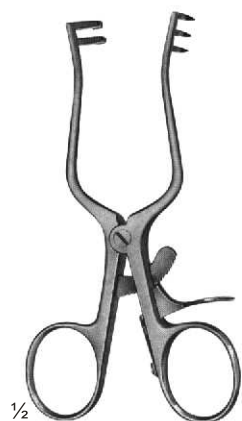
**08-435**  
JANSEN  
100 mm



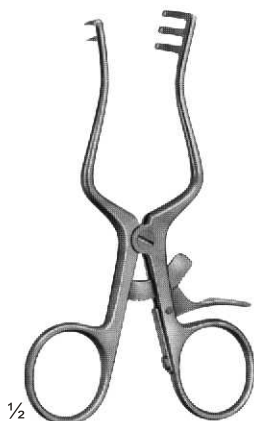
**08-436**  
BARRAQUER  
45 mm



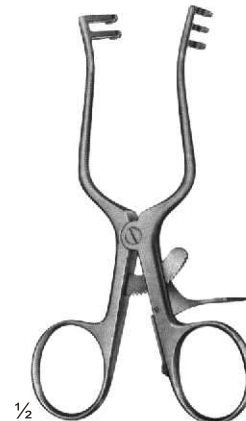
# Self-Retaining Retractors



**08-437**  
WEITLANER  
Sharp  
110 mm



**08-438**  
WEITLANER  
Semi-Sharp  
110 mm



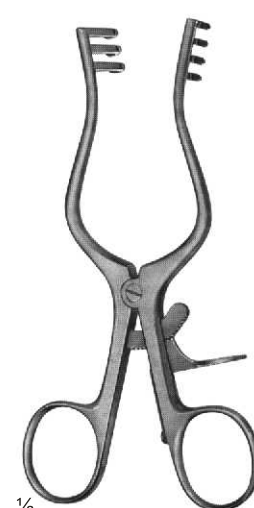
**08-439**  
WEITLANER  
Blunt  
110 mm



**08-440**  
WEITLANER  
Sharp  
130 mm

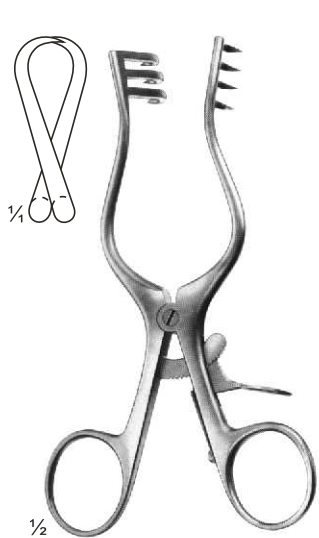


**08-441**  
WEITLANER  
Semi-Sharp  
130 mm

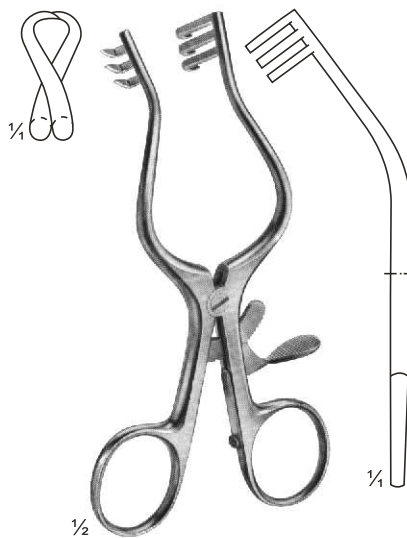


**08-442**  
WEITLANER  
Blunt  
130 mm

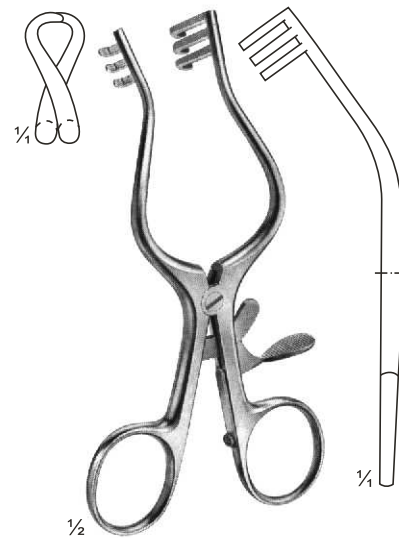
# Self-Retaining Retractors



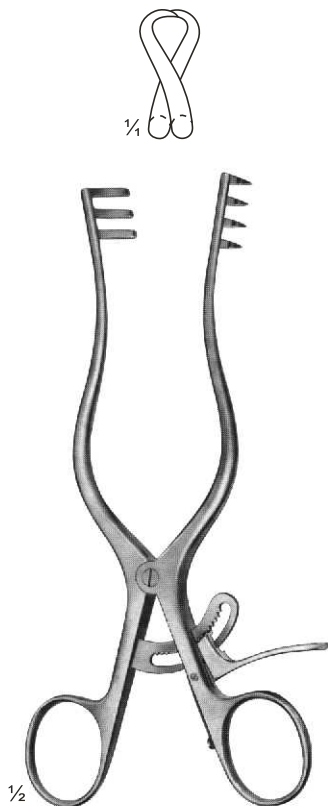
**08-443**  
WEITLANER  
Sharp  
130 mm



**08-444**  
WULLSTEIN  
Sharp  
130 mm



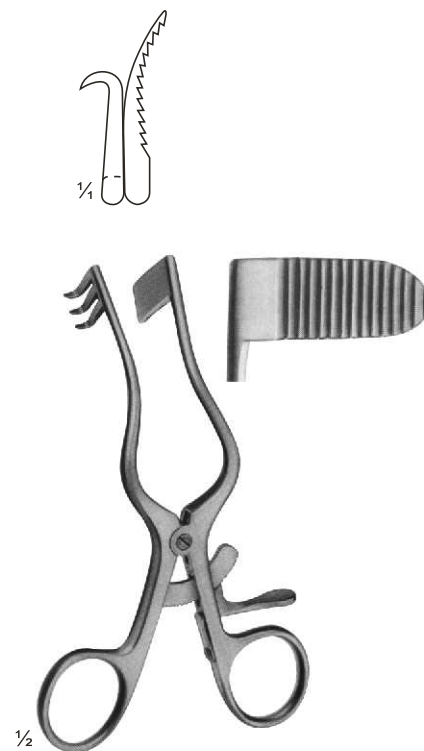
**08-445**  
WULLSTEIN  
Blunt  
130 mm



**08-446**  
WEITLANER  
Sharp  
165 mm



**08-447**  
PLESTER  
Blunt  
110 mm

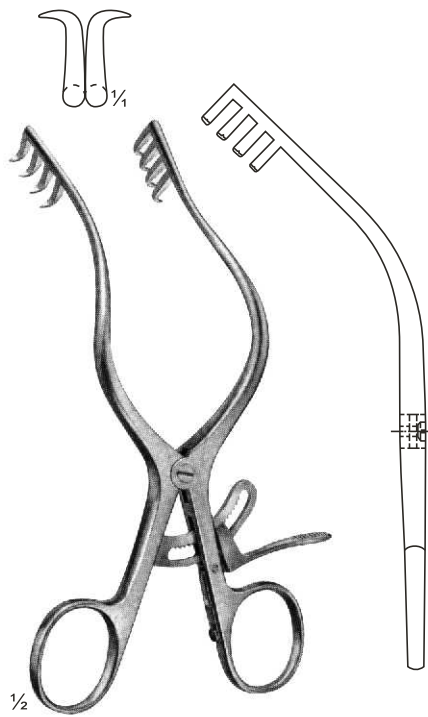


**08-448**  
PERKINS  
130 mm

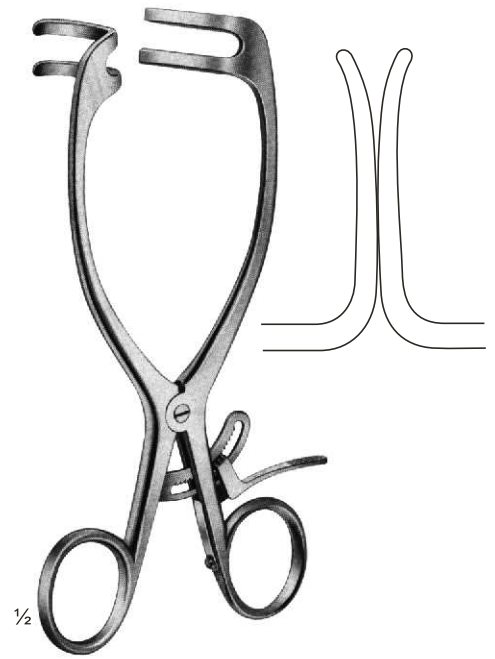
# Self-Retaining Retractors



**08-449**  
ADSON-BABY  
Blunt  
140 mm

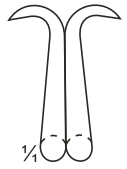


**08-450**  
MOLLISON  
Sharp  
155 mm



**08-451**  
MAYO-ADAMS  
165 mm

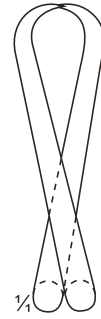
# Self-Retaining Laminectomy Retractors



**08-452**  
ANDERSON-ADSON  
Sharp  
190 mm

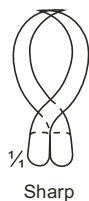


**08-453**  
NORFOLK and  
NORWICH  
Blunt  
220 mm

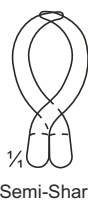


**08-454**  
ADSON  
Sharp  
265 mm

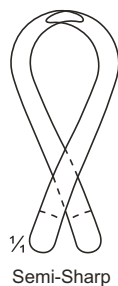
# Self-Retaining Laminectomy Retractors



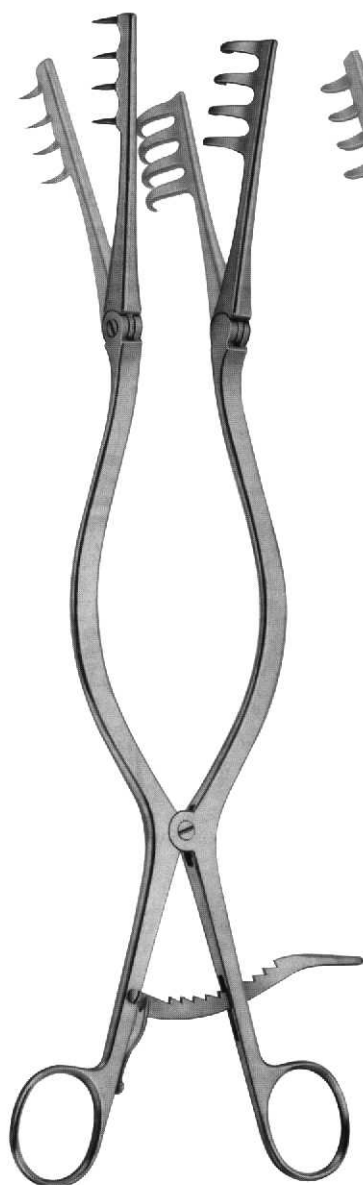
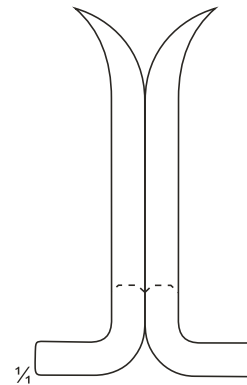
Sharp



Semi-Sharp



Semi-Sharp



**08-455 - 456**  
BECKMANN-ADSON  
Sharp  
310 mm



**08-456**  
BECKMANN-ADSON  
Semi-Sharp  
310 mm



**08-457**  
ADSON  
Semi-Sharp  
320 mm



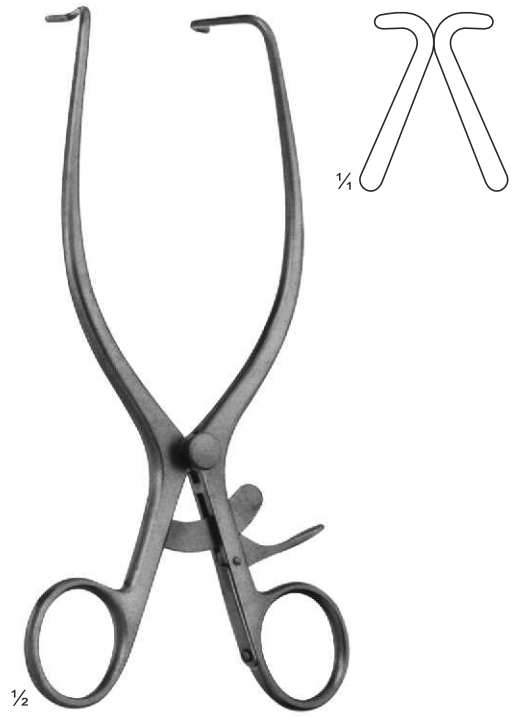
**08-458**  
BECKMANN-EATON  
Sharp  
320 mm

# Special Retractors



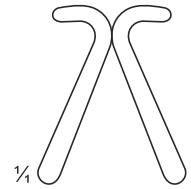
1/2

**08-459**  
JOLL ( FRIEDMAN )  
Thyroid- and Vaginal Retractor  
155 mm

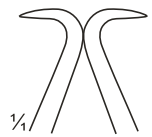


1/2

**08-460**  
JACKSON BURROWS  
Retractor, blunt  
185 mm



1/4

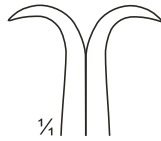


1/4



1/2

**08-461**  
GELPI  
Vaginal Retractor  
135 mm

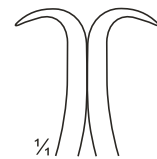


1/4



1/2

**08-462**  
GELPI  
Skin- and Vaginal Retractor  
175 mm



1/4

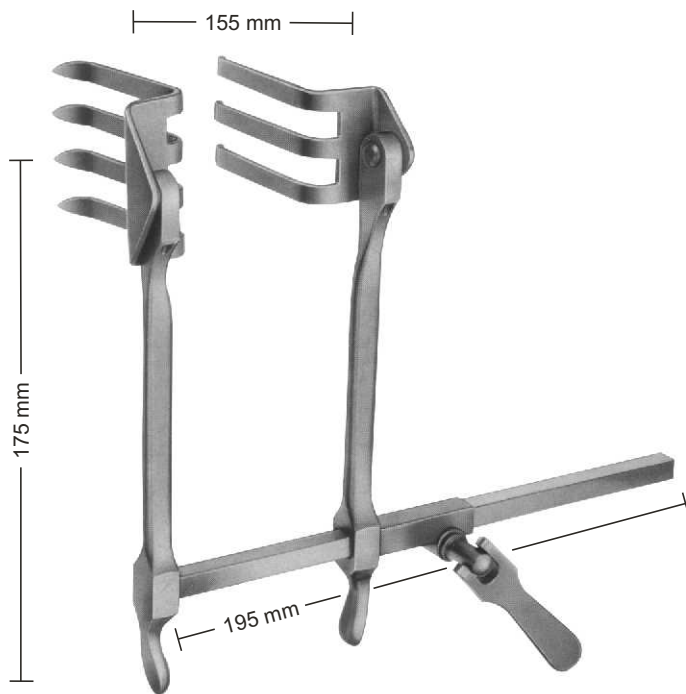


1/2

**08-463**  
DE BAKEY  
Femur Retractor  
145 mm



# Self Retaining Retractors for Laminectomy and other Operations



**08-464 - 468**  
**SCOVILLE-RICHTER**  
 Retractor with 1 pair  
 blades reversible type.  
 The Retractor bar and  
 shanks may be easily  
 rotated 180° when  
 blades are in situ.



**08-465**  
 62 x 52 mm    62 x 37 mm  
 PR= Pair



**08-466**  
 47 x 51 mm



**08-467**  
 30 x 40 mm



**08-468**  
 37 x 62 mm

# Retractors for Cervical Spine



**08-469**  
CLOWARD modif.  
Spreader Only



16 mm  
**08-470**



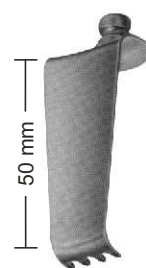
16 mm  
**08-471**



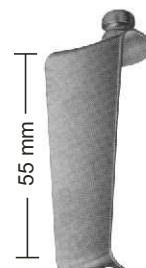
16 mm  
**08-475**



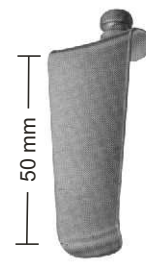
16 mm  
**08-476**



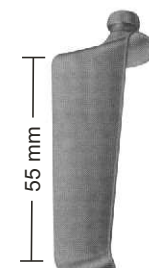
16 mm  
**08-472**



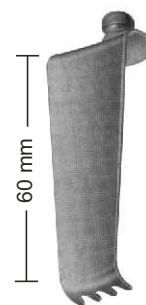
16 mm  
**08-473**



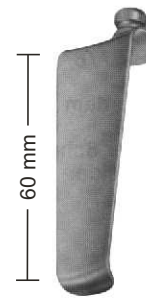
16 mm  
**08-477**



16 mm  
**08-478**



16 mm  
**08-474**

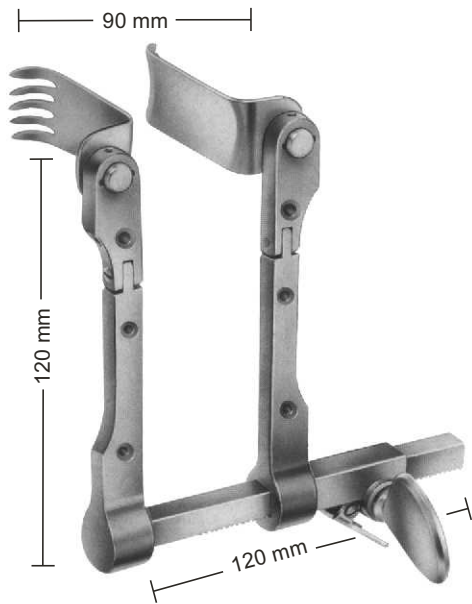


16 mm  
**08-479**

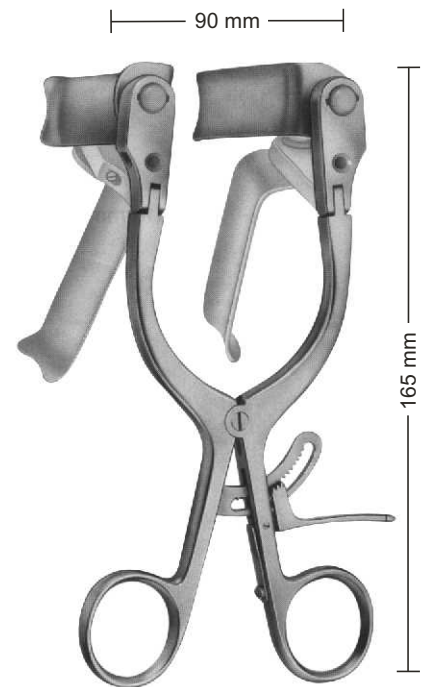
08-470 blade  
08-471 blade  
08-472 blade  
08-473 blade  
08-474 blade

08-475 blade  
08-476 blade  
08-477 blade  
08-478 blade  
08-479 blade

# Retractors for Cervical Vertebral Column



**08-480**  
CASPAR  
Retractor, adjustable,  
consisting of: 5 medial  
blades, 5 Lateral blades.



**08-480 A**  
CASPAR  
Counter retractor, adjustable,  
consisting of: 5 blades.



**08-481** 40 x 23 mm  
**08-482** 45 x 23 mm  
**08-483** 50 x 23 mm  
**08-484** 55 x 23 mm  
**08-485** 60 x 23 mm  
Medial blades



**08-486** 40 x 23 mm  
**08-487** 45 x 23 mm  
**08-488** 50 x 23 mm  
**08-489** 55 x 23 mm  
**08-490** 60 x 23 mm  
Lateral blades



**08-491** 45 x 23 mm  
**08-492** 50 x 23 mm  
**08-493** 55 x 23 mm  
**08-494** 60 x 23 mm  
**08-495** 65 x 23 mm  
Blunt blades



**08-496** 50 x 25 mm  
**08-497** 60 x 25 mm  
Blunt blades,  
for harvesting of the  
fusion graft from the  
iliac crest

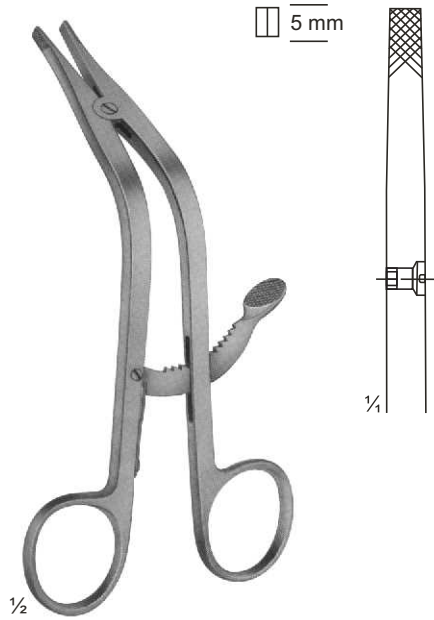


**08-498** 40 x 25 mm  
**08-499** 45 x 25 mm  
**08-500** 50 x 25 mm  
**08-501** 55 x 25 mm  
**08-502** 60 x 25 mm  
Medial Titan blades  
semi transparent to x-ray



**08-503** 40 x 25 mm  
**08-504** 45 x 25 mm  
**08-505** 50 x 25 mm  
**08-506** 55 x 25 mm  
**08-507** 60 x 25 mm  
Lateral Titan blades  
semi transparent to x-ray

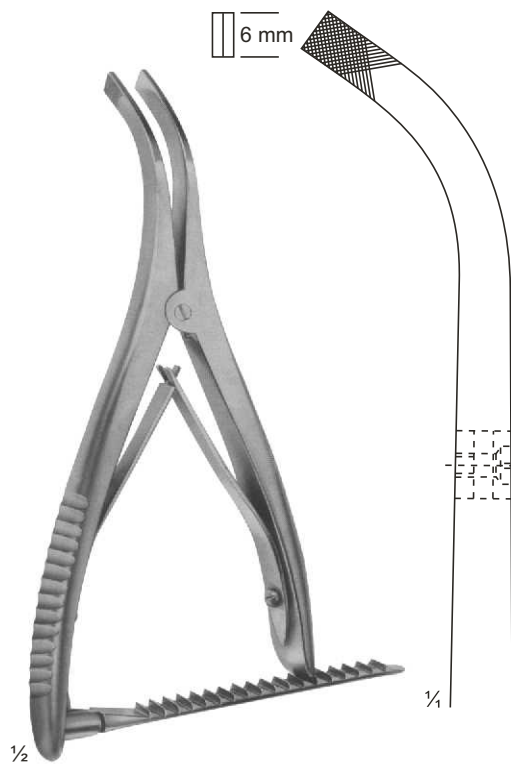
# Lamina Spreaders



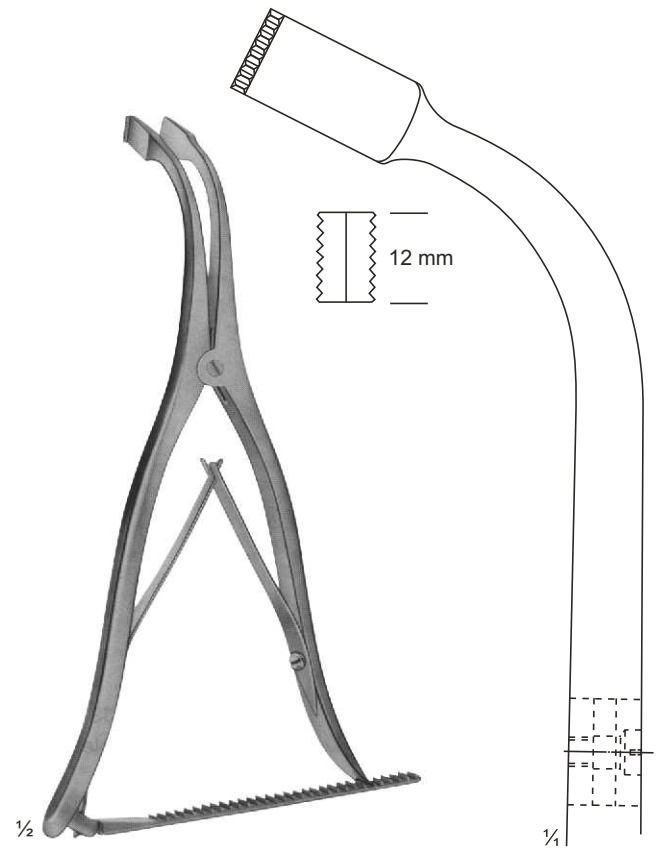
**08-508**  
CLOWARD  
155 mm



**08-509**  
CLOWARD  
135 mm

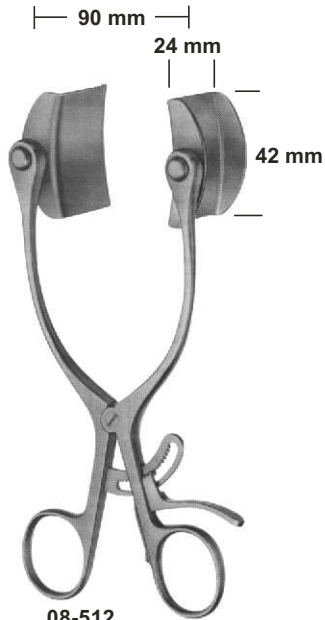


**08-510**  
INGE  
170 mm

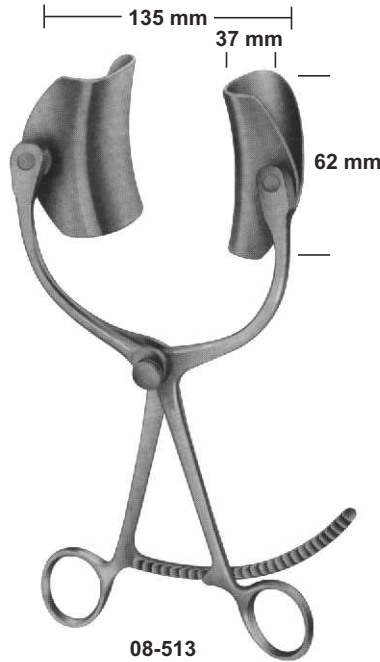


**08-511**  
INGE  
275 mm

# Abdominal Retractors

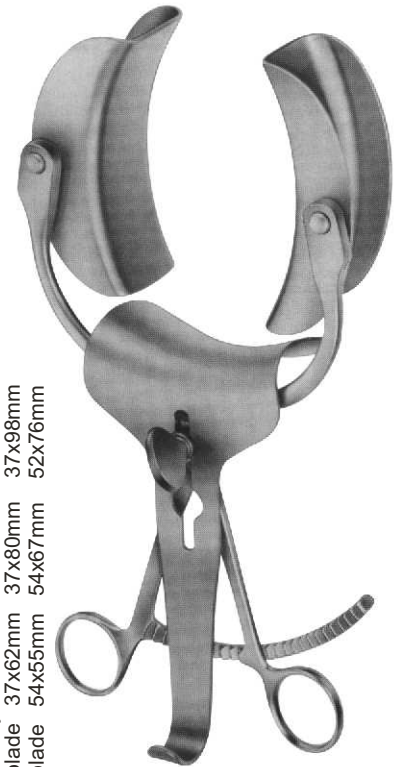


**08-512**  
BABY-COLLIN  
with 2 pair of blades



**08-513**  
COLLIN  
complete

08-817 135 mm  
08-818 160 mm



08-516 37x98mm  
08-515 37x80mm  
08-514 37x62mm  
08-518 54x67mm  
08-514 54x55mm

**08-514 - 518**  
COLLIN  
complete

210 mm



**08-519 - 520**  
RICARD  
complete

Spreader only **08-519** **08-520**  
Lateral blade 58x80mm 72x84mm  
Canter blade 54x70mm 72x90mm

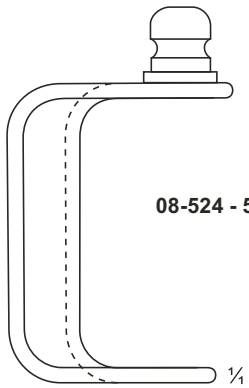
275 mm



**08-521 - 523**  
HOLZBACH  
Complete

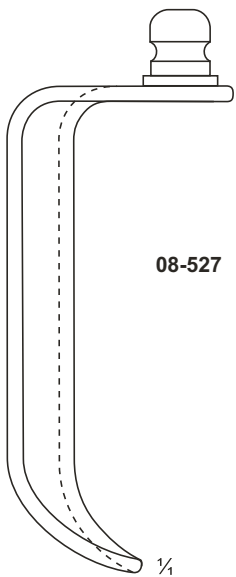
**08-521** Spreader only  
**08-522** Lateral blade 59x80mm  
**08-523** Canter blade 74x82mm

# Abdominal Baldes



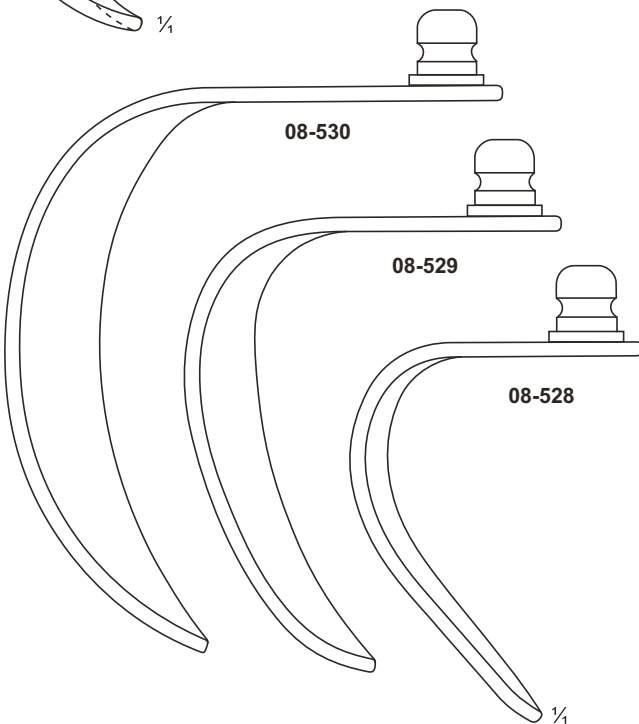
**08-524 - 526**

Lateral blades only  
**08-524** 37x62 mm  
**08-525** 37x80 mm  
**08-526** 37x98 mm



**08-527**

**08-527** 61x80 mm

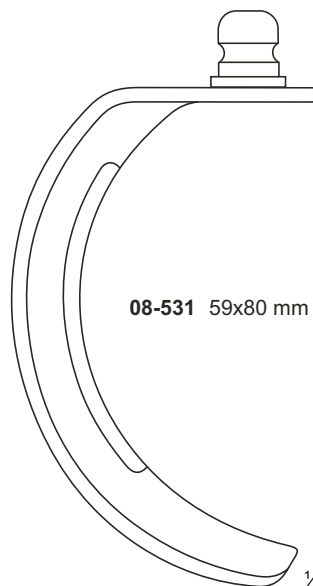


**08-530**

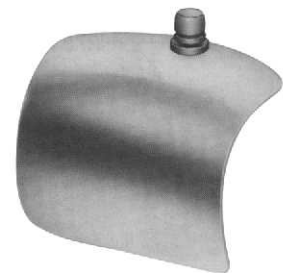
**08-529**

**08-528**

**08-528** 48x59 mm  
**08-529** 58x80 mm  
**08-530** 72x84 mm

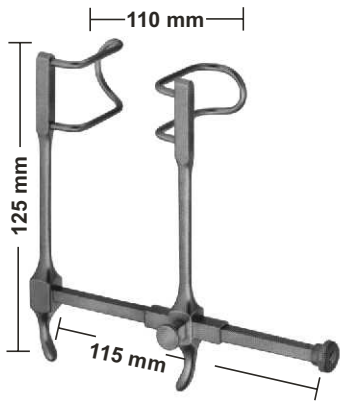


**08-531** 59x80 mm

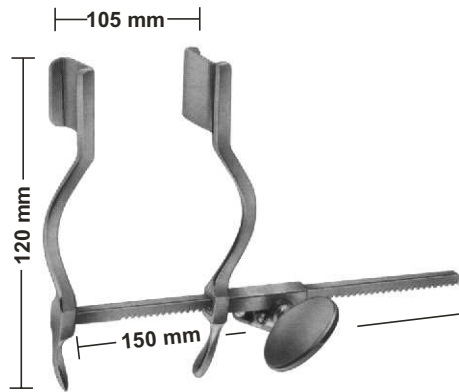




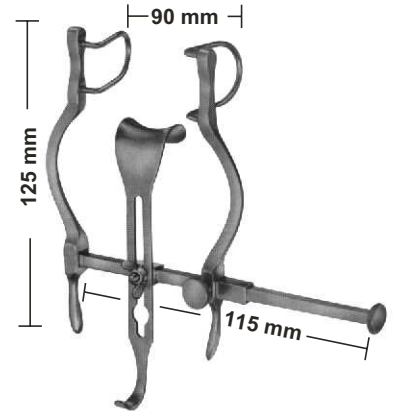
# Abdominal Retractors



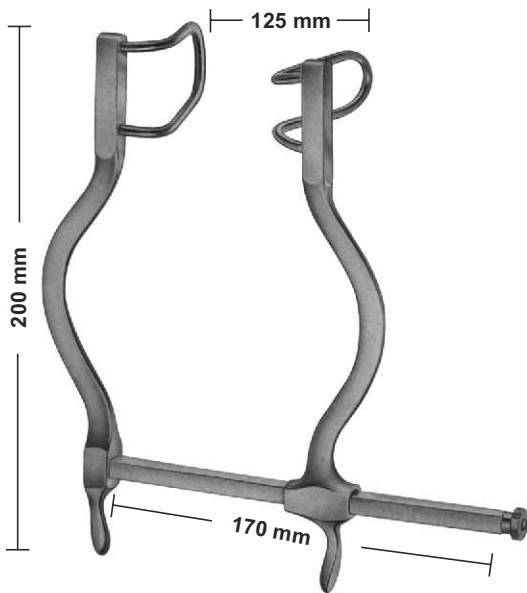
**08-532**  
GOSSET  
Blades:38 mm deep



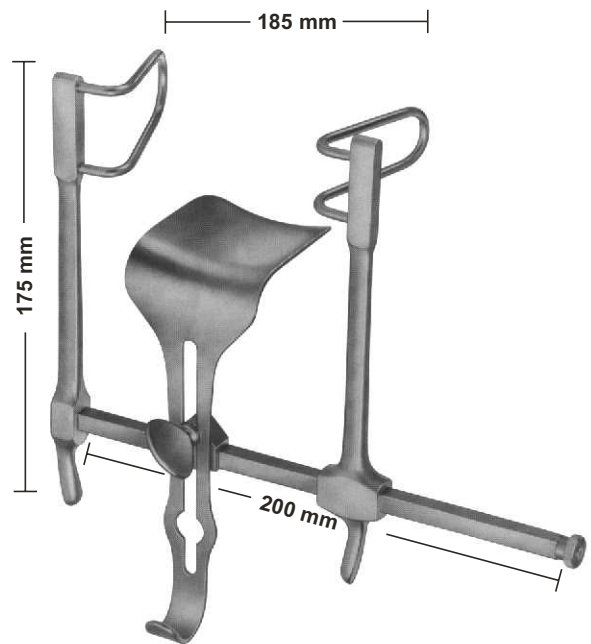
**08-533**  
HERTZLER  
Blades 20 X 25 mm



**08-534**  
BALFOUR-BABY  
Lateral blades 27 mm deep  
Center blade 21x24 mm

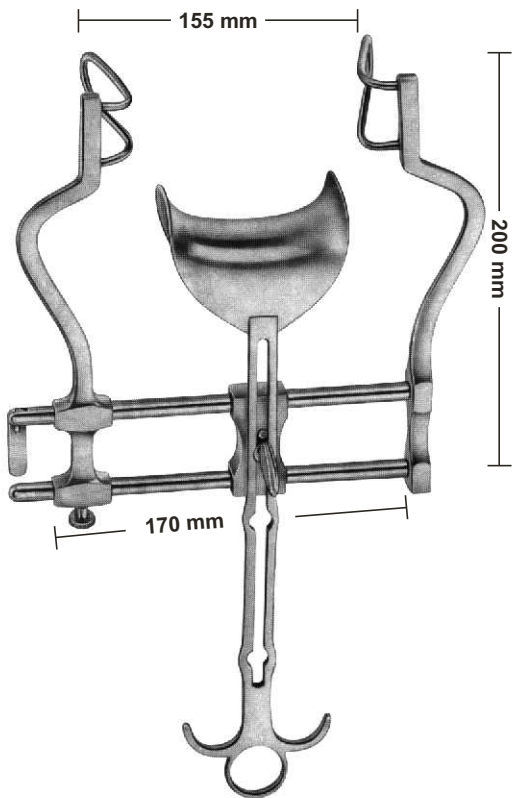


**08-535**  
GOSSET  
Blades:55mm deep

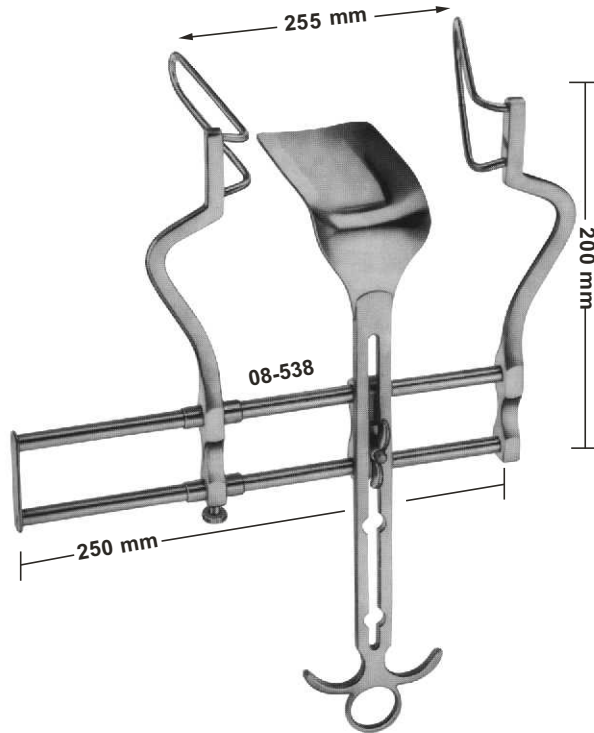


**08-536**  
GOSSET  
Lateral blades 58 mm deep  
Center blade 59 x 57 mm

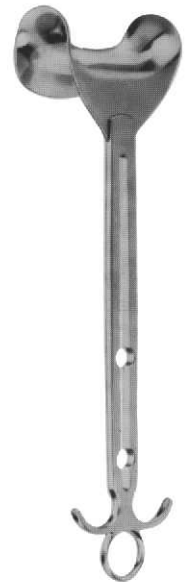
# Abdominal Retractors



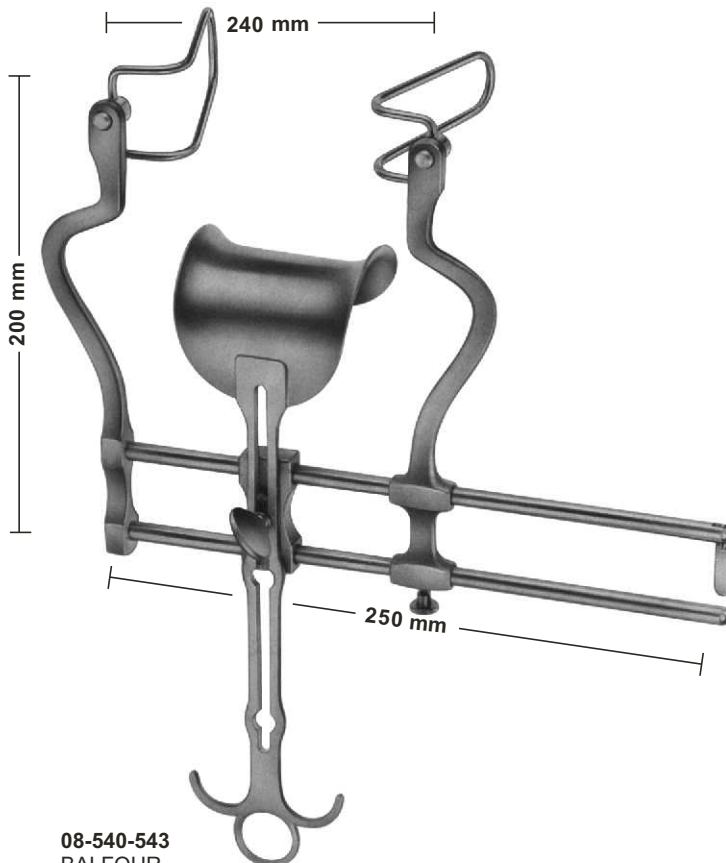
**08-537**  
BALFOUR  
Lateral blades 60 mm deep  
Center blade 47 x 80 mm



**08-538**  
BALFOUR  
Lateral blades 105 mm deep  
Center blade 107x 59 mm



**08-539**  
Center blade only  
54x80 mm

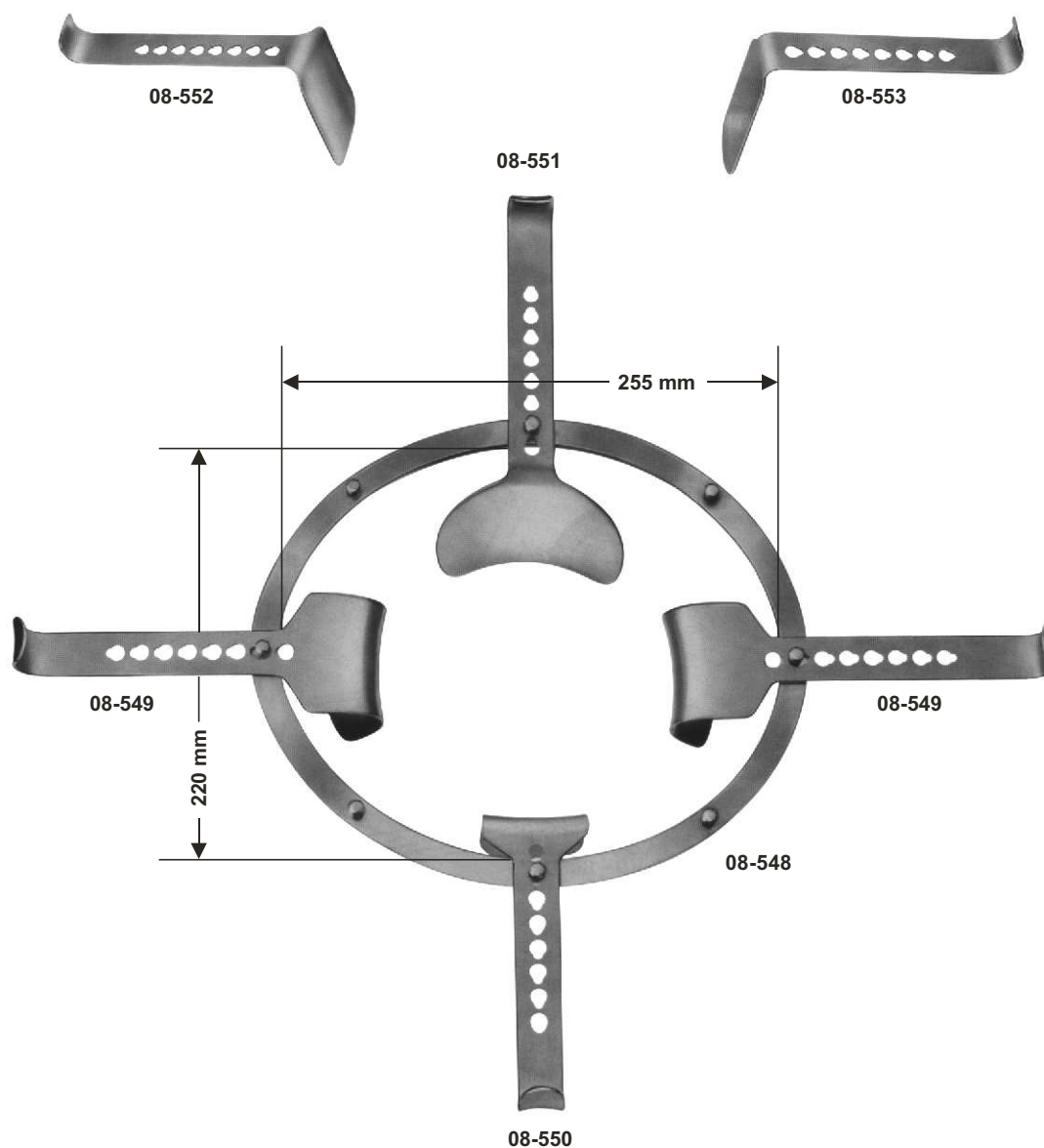


**08-540-543**  
BALFOUR  
Spreader only **08-540** **08-541** **08-542** **08-543**  
Lateral blades 50 mm 60 mm 75 mm 90 mm  
Center blade 47 x 80 mm 62x76 mm 80x80 mm 80x80 mm



Lateral blades  
**08-544** 50 mm deep  
**08-545** 60 mm deep  
**08-546** 75 mm deep  
**08-547** 90 mm deep  
Sales Unit of blades: PR = pair

# Abdominal Retractors



## 08-548 - 08-553

SEMM

consisting of:

**08-548** 1 frame 225 x 220 mm

**08-549** 2 blades 46 x 64 mm

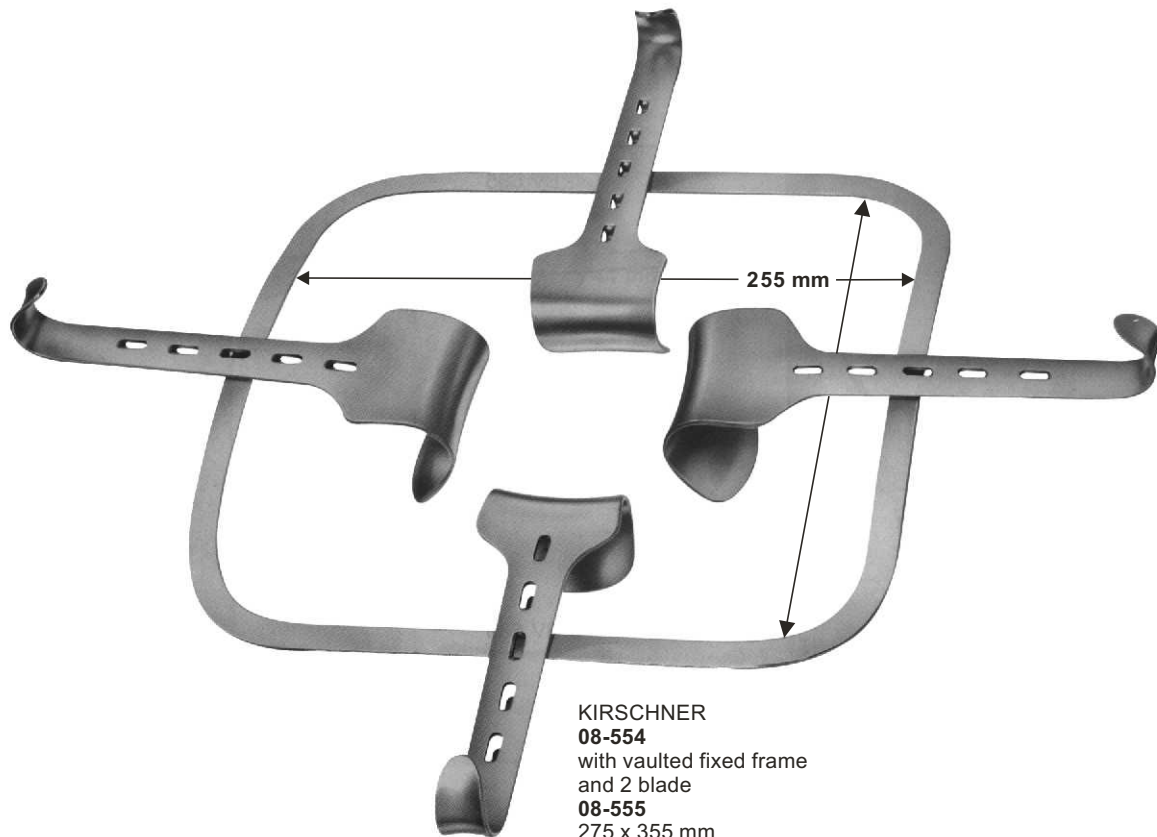
**08-550** 1 blade 53 x 54 mm  
(for bladder)

**08-551** 1 blade 82 x 97 mm  
(for intestine)

**08-552** 1 blade 98 x 51 mm  
(for intestine)

**08-553** 1 blade, narrow  
107 x 36 mm

# Abdominal Retractors



KIRSCHNER  
**08-554**  
 with vaulted fixed frame  
 and 2 blade  
**08-555**  
 275 x 355 mm  
 Frame only, over-sized  
**08-556**  
 295 x 275 mm  
 Frame only



**08-557**  
 KIRSCHNER  
 64 x 80 mm



**08-558**  
 KIRSCHNER-BALFOUR  
 80x 82 mm

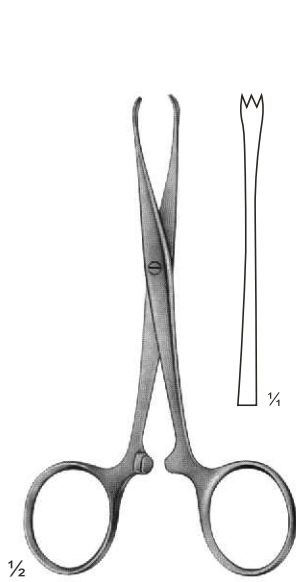


**08-559 - 561**  
 KIRSCHNER  
**08-559** 90x 69mm  
**08-560** 92x 95mm  
**08-561** 78x 58mm

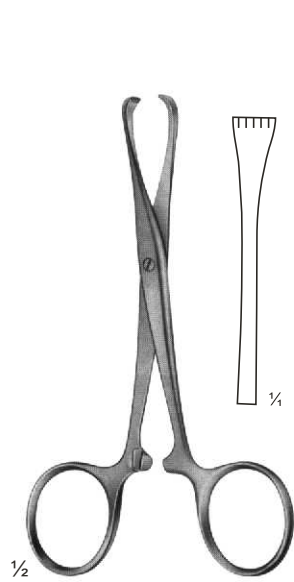


**08-562 - 564**  
 KIRSCHNER  
**08-562** 108x42mm  
**08-563** 91x 55mm  
**08-564** 121x 55mm

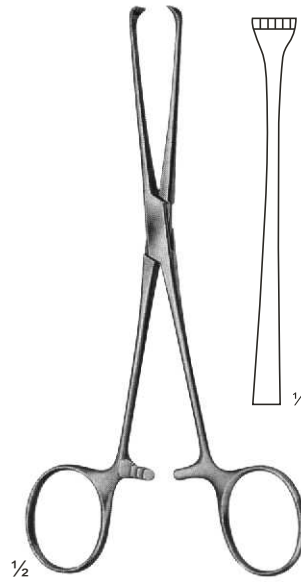
# Intestinal and Tissue Grasping Forceps



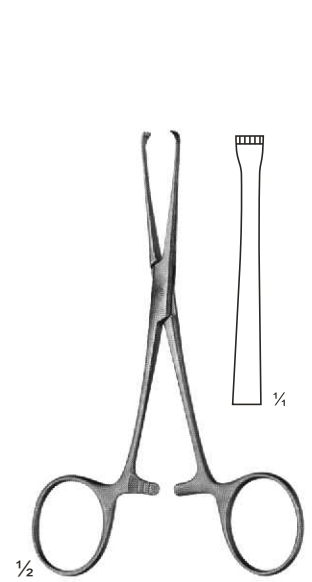
**09-101**  
**CHAPUT**  
 2 X 3 teeth, sharp  
 125 mm,



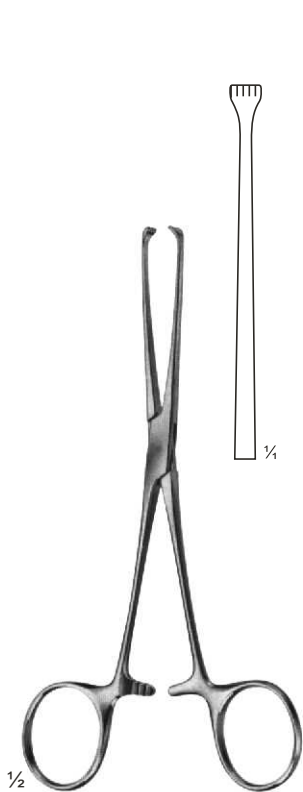
**09-102**  
**TUFFIER**  
 5 X 6 teeth, sharp  
 125 mm,



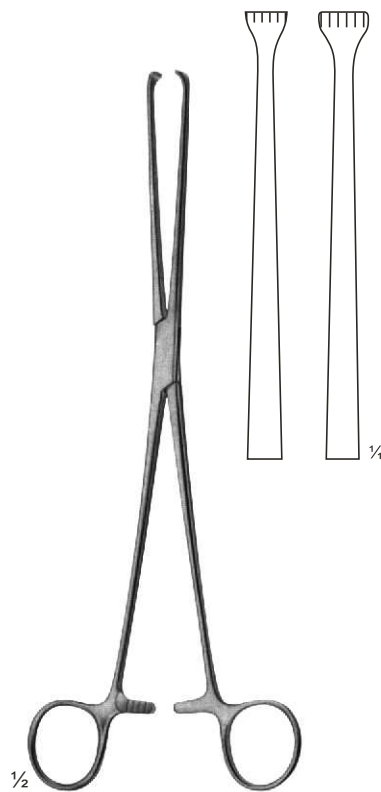
**09-103**  
**BOYS-ALLIS**  
 5 X 6 teeth, sharp  
 155 mm,



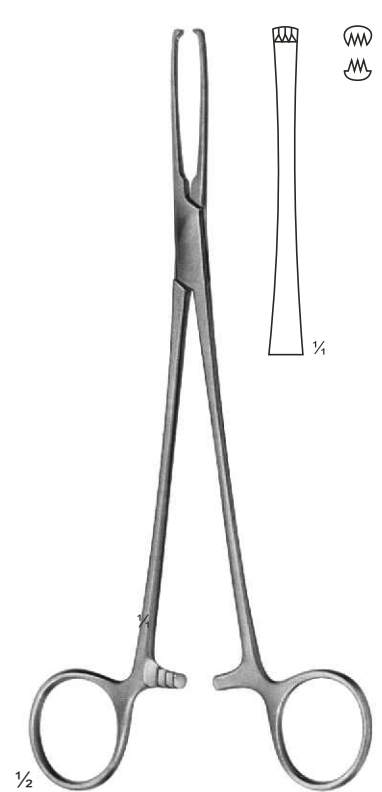
**09-104**  
**ALLIS**  
 4 X 5 teeth  
 155 mm,



**09-105**  
**ALLIS**  
 155 mm,  
 4 X 5 teeth

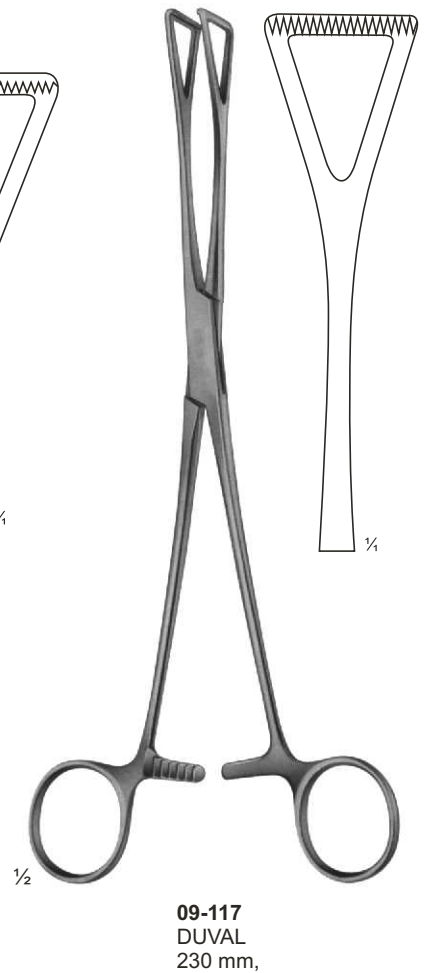
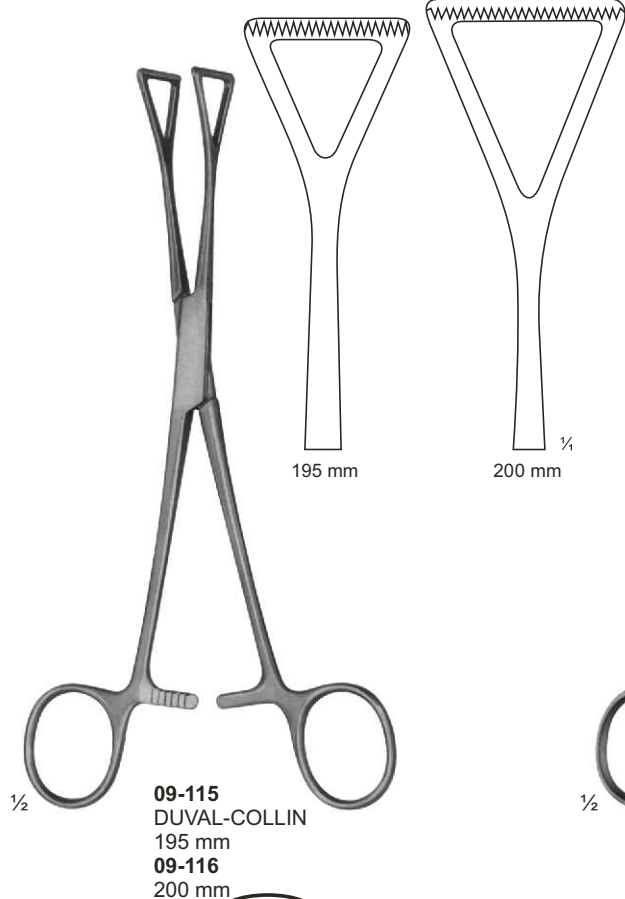
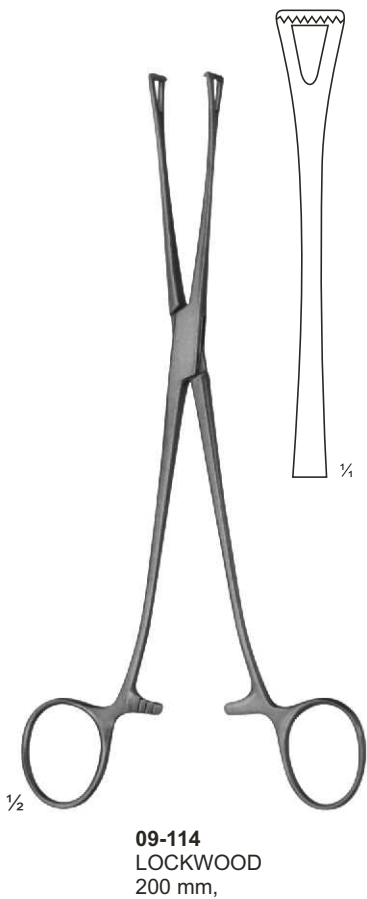
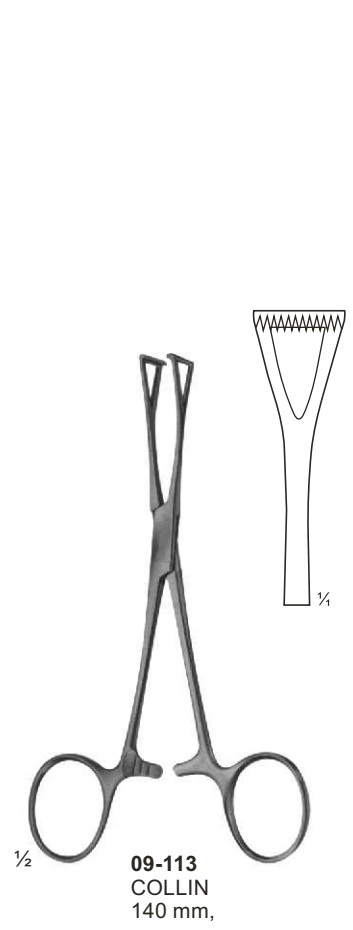
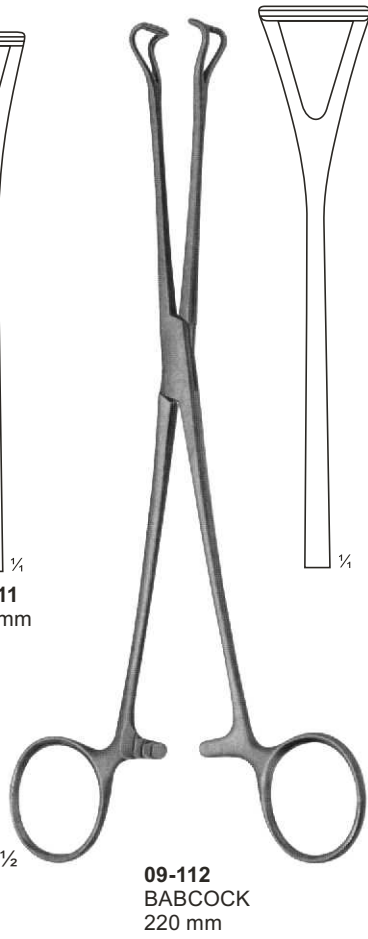
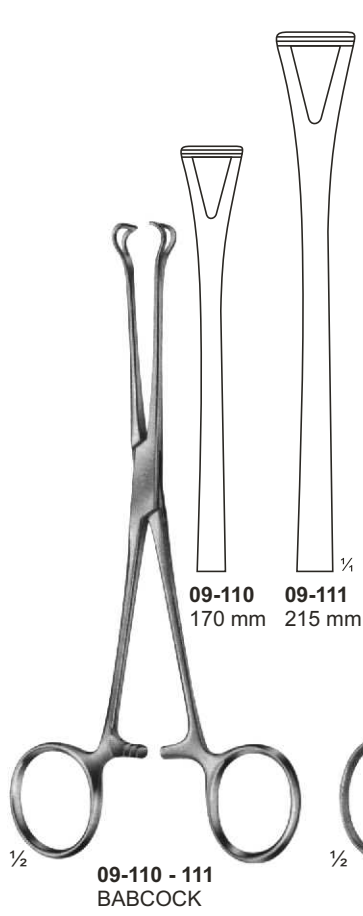
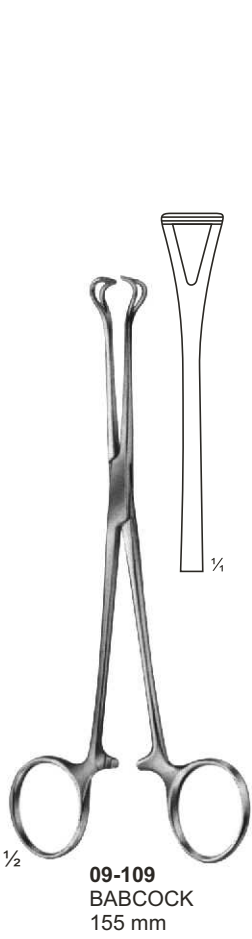


**09-106**  
**ALLIS**  
 190 mm,  
**09-107**  
 255 mm,  
 5 X 6 teeth



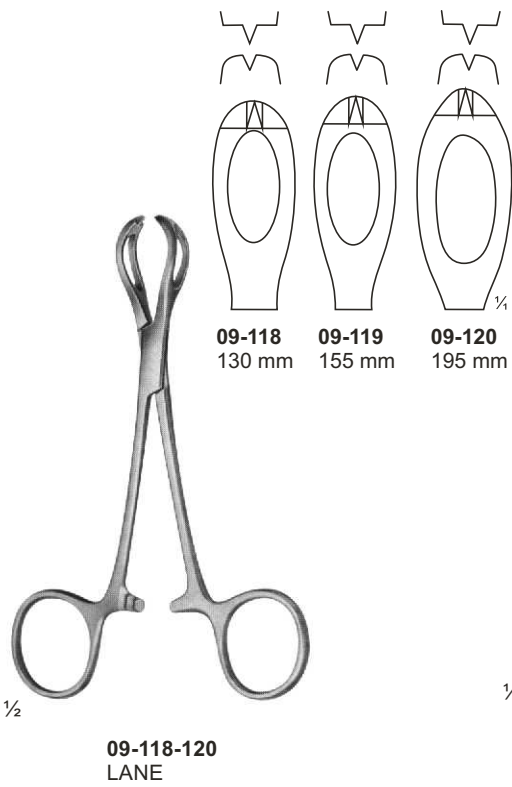
**09-108**  
**JUDD-ALLIS**  
 3 X 4 teeth  
 195 mm,

# Intestinal Grasping Forceps

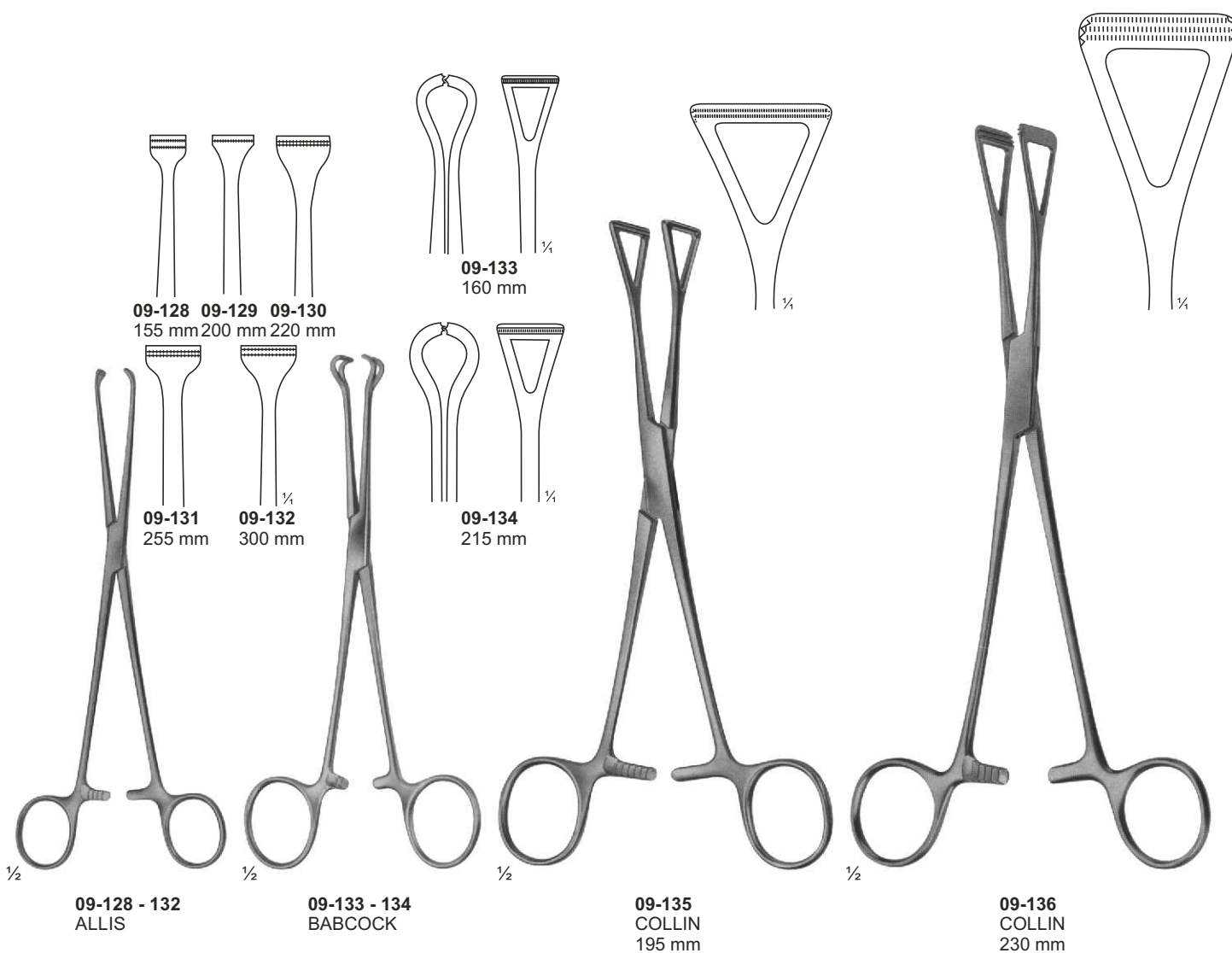




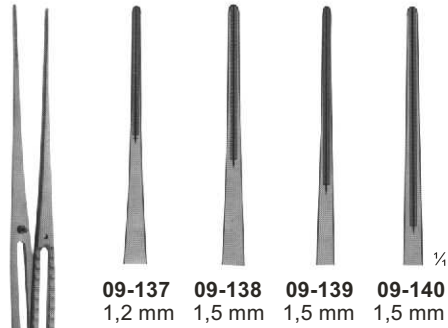
# Organ - Tissue Grasping, Dissecting & Intestinal Forceps



# Organ - Tissue Grasping, Dissecting & Intestinal Forceps

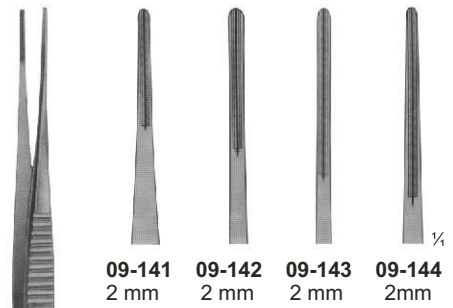


# Ultra - Light - Forceps, Dissecting Forceps



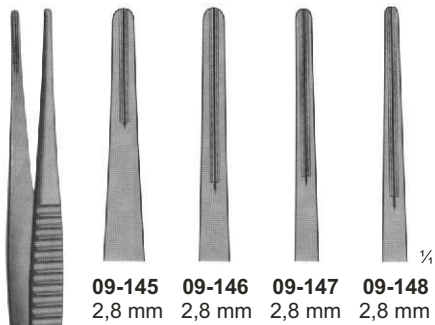
1/2

- 09-137** 150 mm
- 09-138** 200 mm
- 09-139** 240 mm
- 09-140** 300 mm



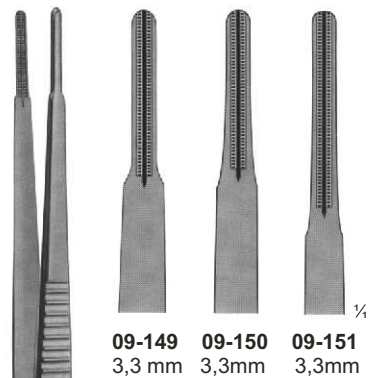
1/2

- DE BAKEY
- 09-141** 150 mm
  - 09-142** 200 mm
  - 09-143** 240 mm
  - 09-144** 300 mm



1/2

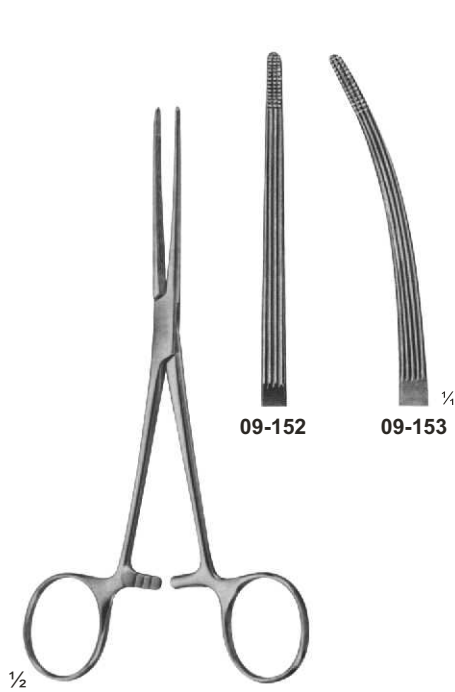
- DE BAKEY
- 09-145** 150 mm
  - 09-146** 200 mm
  - 09-147** 240 mm
  - 09-148** 300 mm



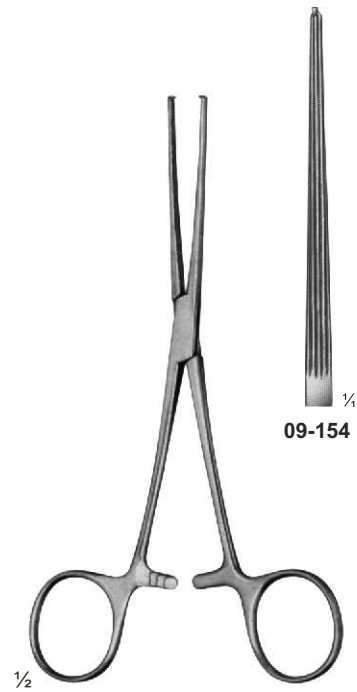
1/2

- DE BAKEY
- 09-149** 200 mm
  - 09-150** 240 mm
  - 09-151** 300 mm

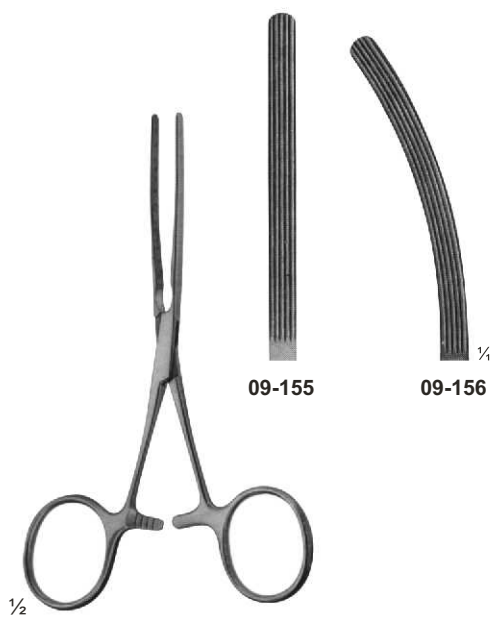
# Intestinal Clamps for Children



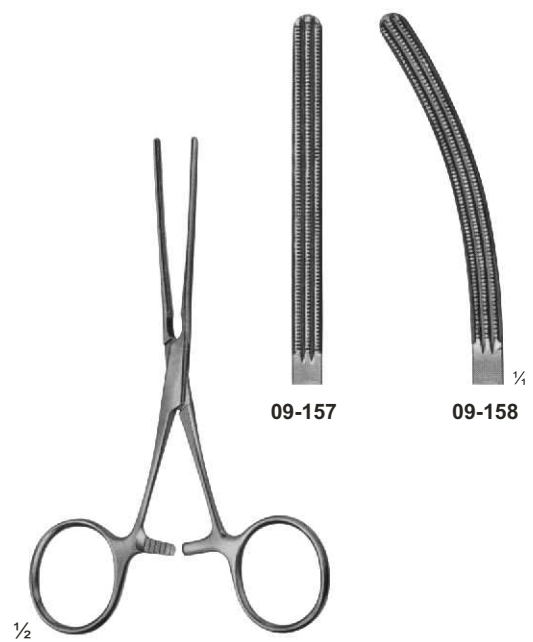
**09-152 - 153**  
BAINBRIDGE  
155 mm



**09-154**  
ALLEN  
155 mm

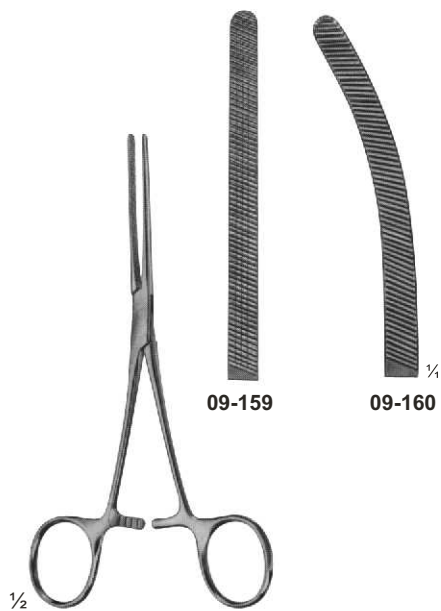


**09-155 - 156**  
BABY-KOCHER  
very elastic blades  
130 mm

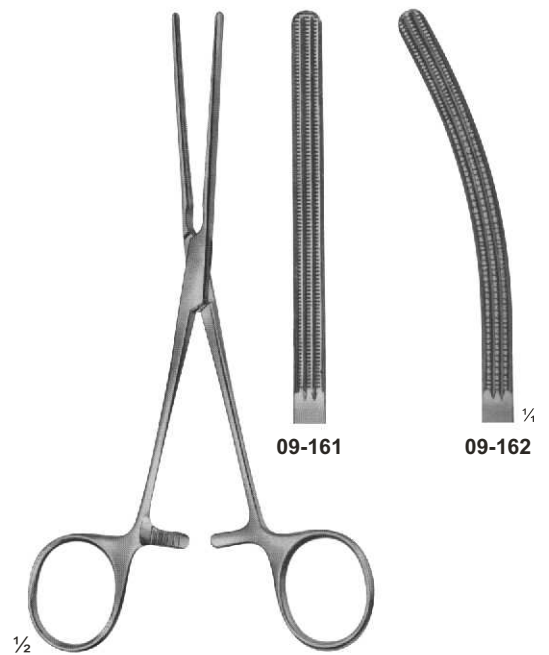


**09-157 - 158**  
BABY-KOCHER  
with elastic blades  
130 mm

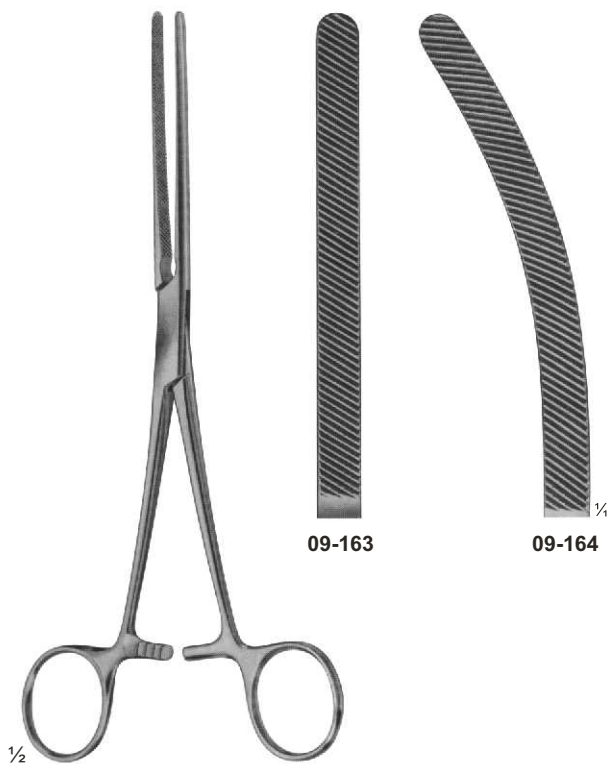
# Intestinal Clamps, Soft Elastic



**09-159 - 160**  
DOYEN  
elastic  
165 mm



**09-161 - 162**  
DOYEN  
with elastic blades  
170 mm

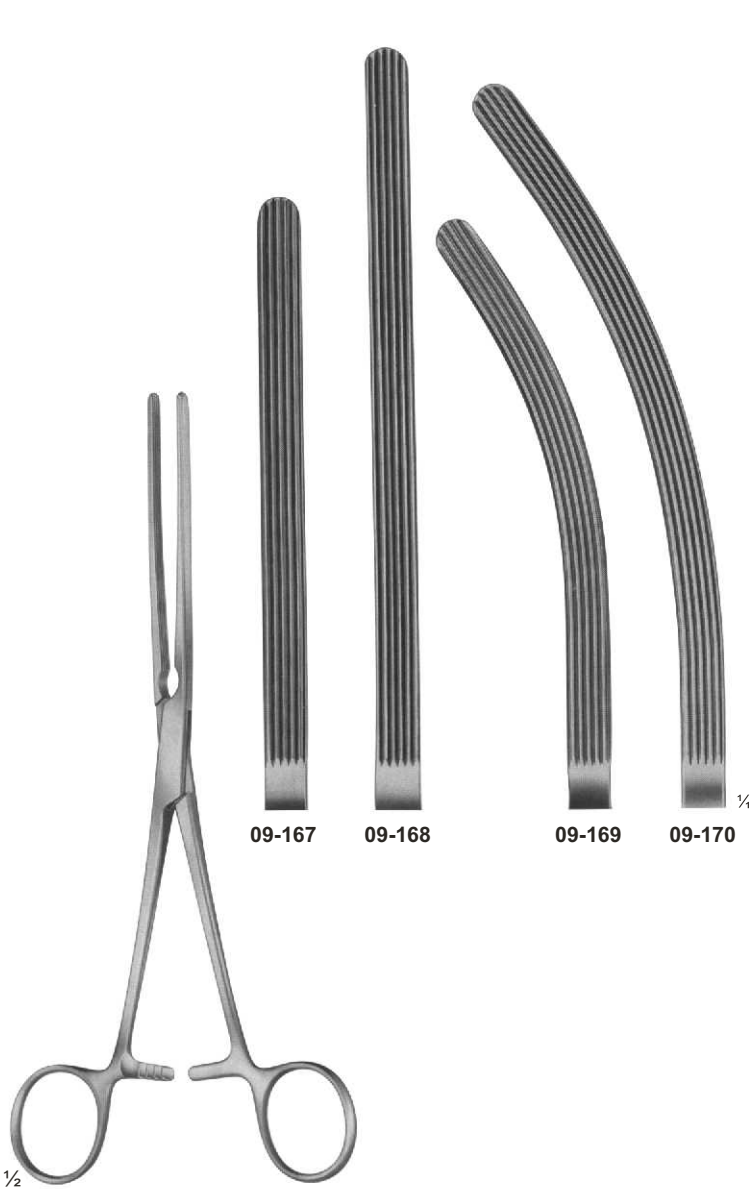


**09-163 - 164**  
HARTMANN  
with elastic blades  
200 mm

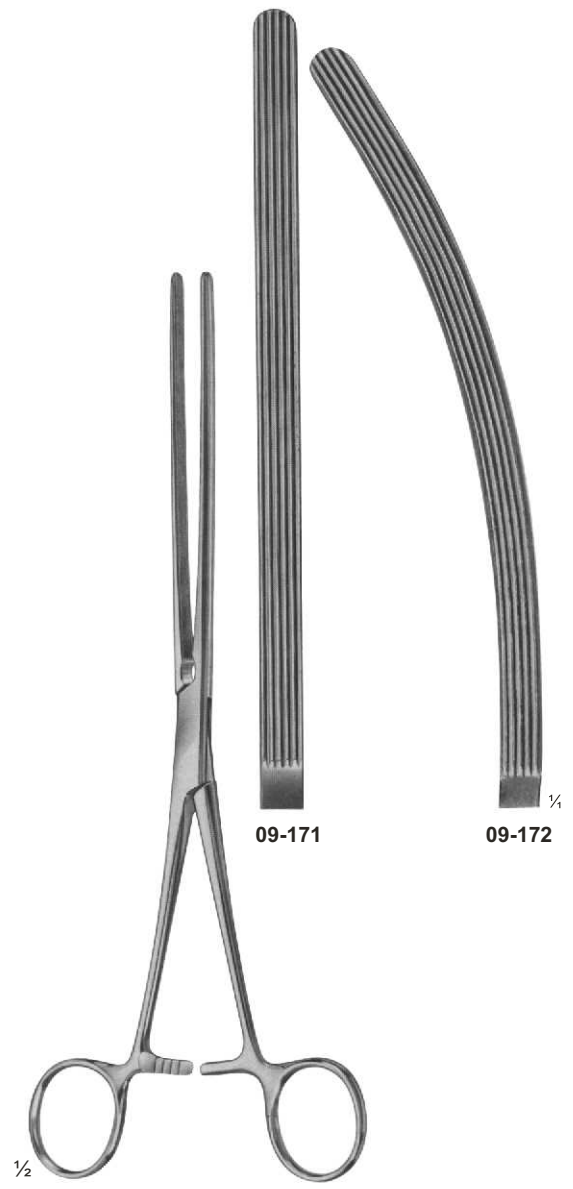


**09-165 - 166**  
HARTMANN  
with elastic blades  
200 mm

# Intestinal Clamps, Soft elastic



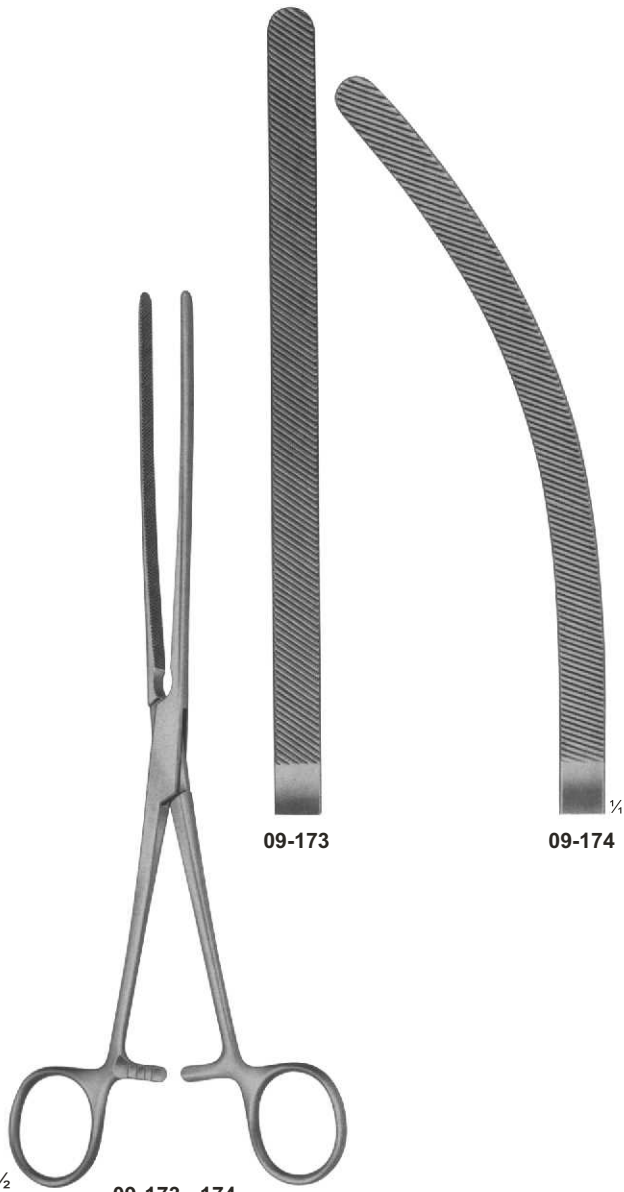
**09-167 - 170**  
KOCHER  
with elastic blades  
**09-169** 210 mm  
**09-170** 230 mm



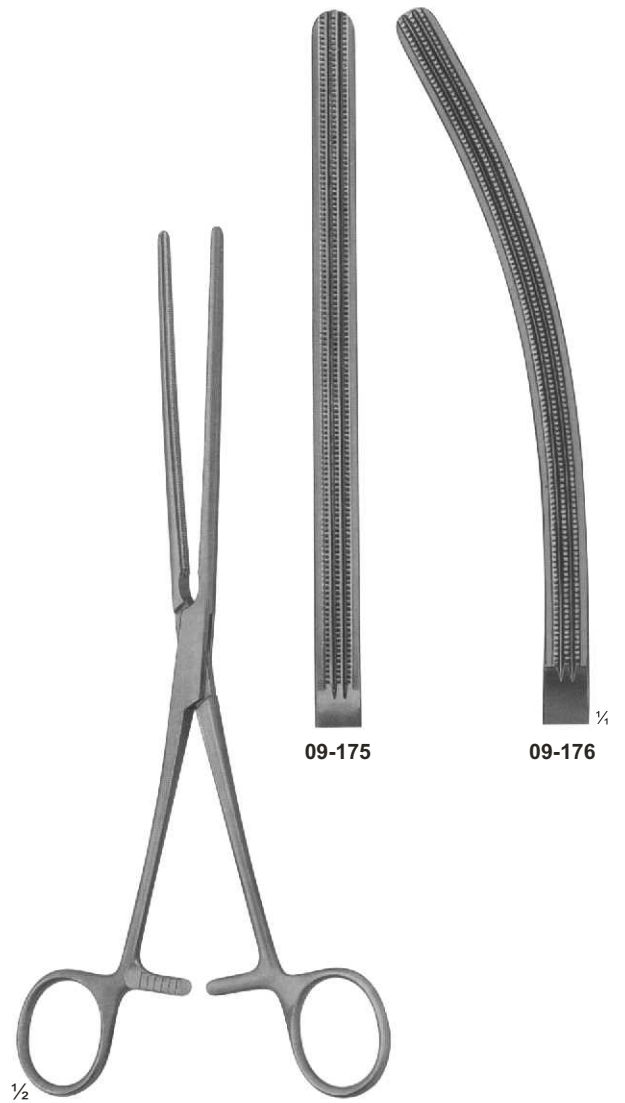
**09-171 - 172**  
DOYEN  
with elastic blades  
210 mm



# Intestinal Clamps, Soft elastic

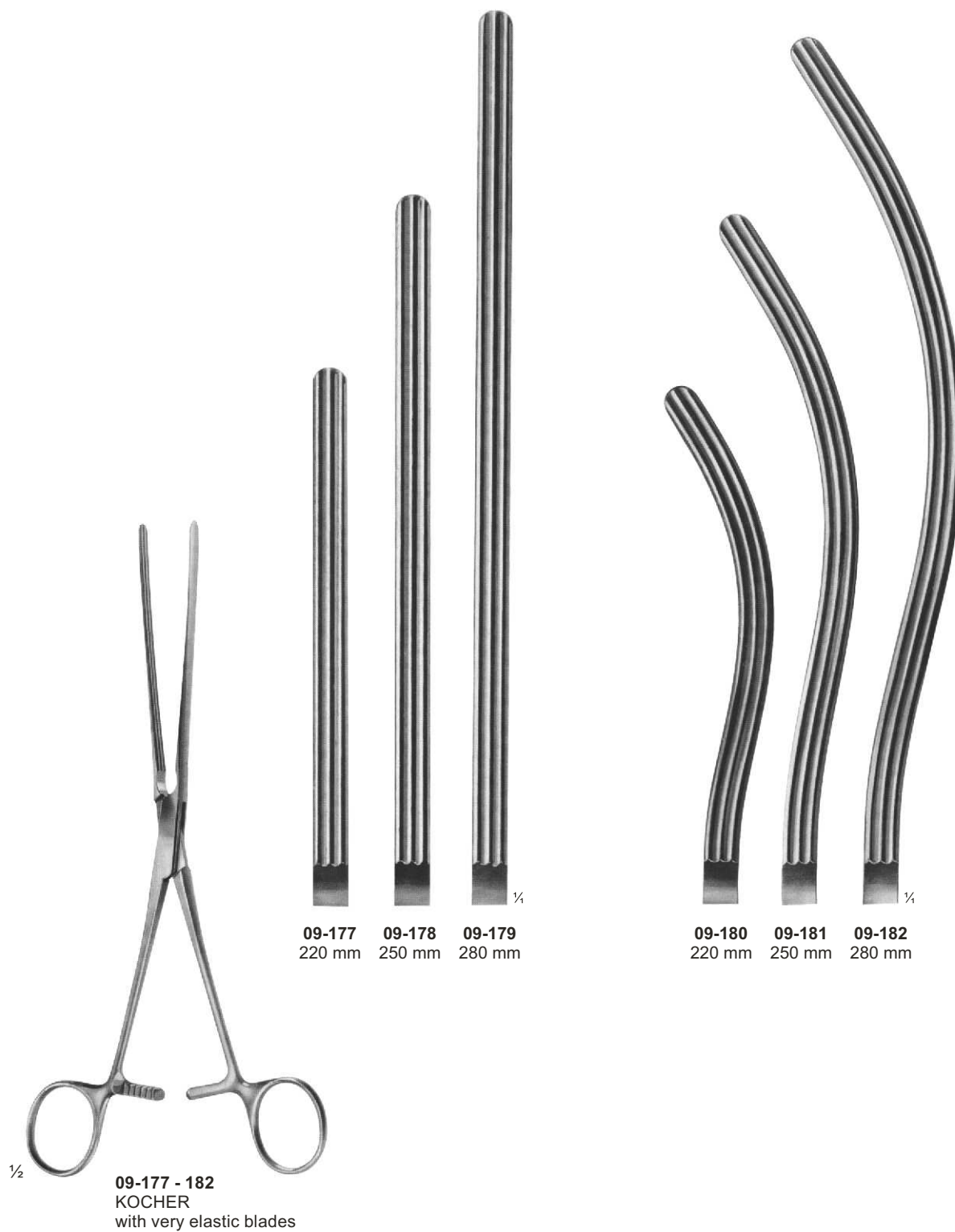


**09-173 - 174**  
DOYEN  
with elastic blades  
235 mm



**09-175 - 176**  
DOYEN  
with elastic blades  
230 mm

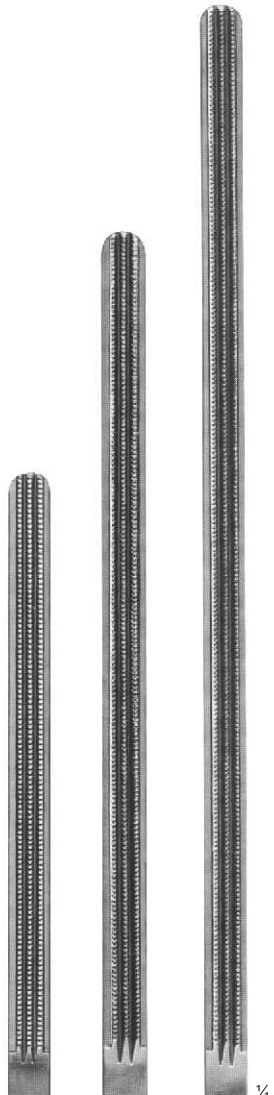
# Intestinal Clamps, Soft elastic



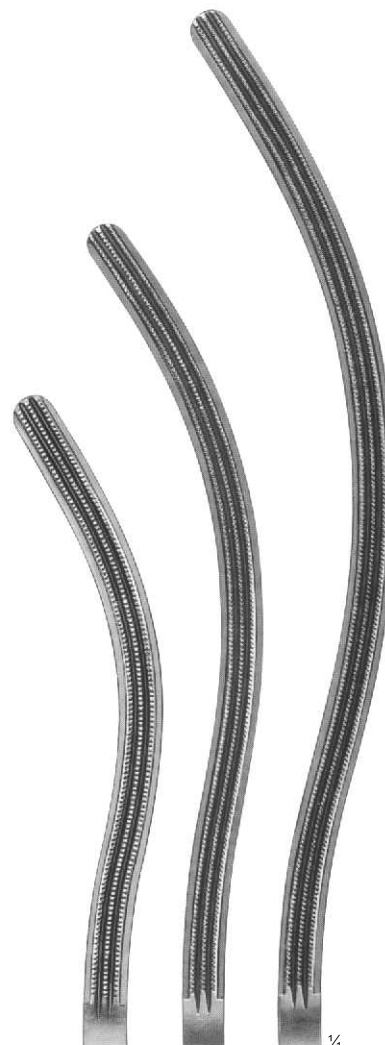
# Intestinal Clamps, Soft elastic



**09-183 - 188**  
KOCHER  
with very elastic blades

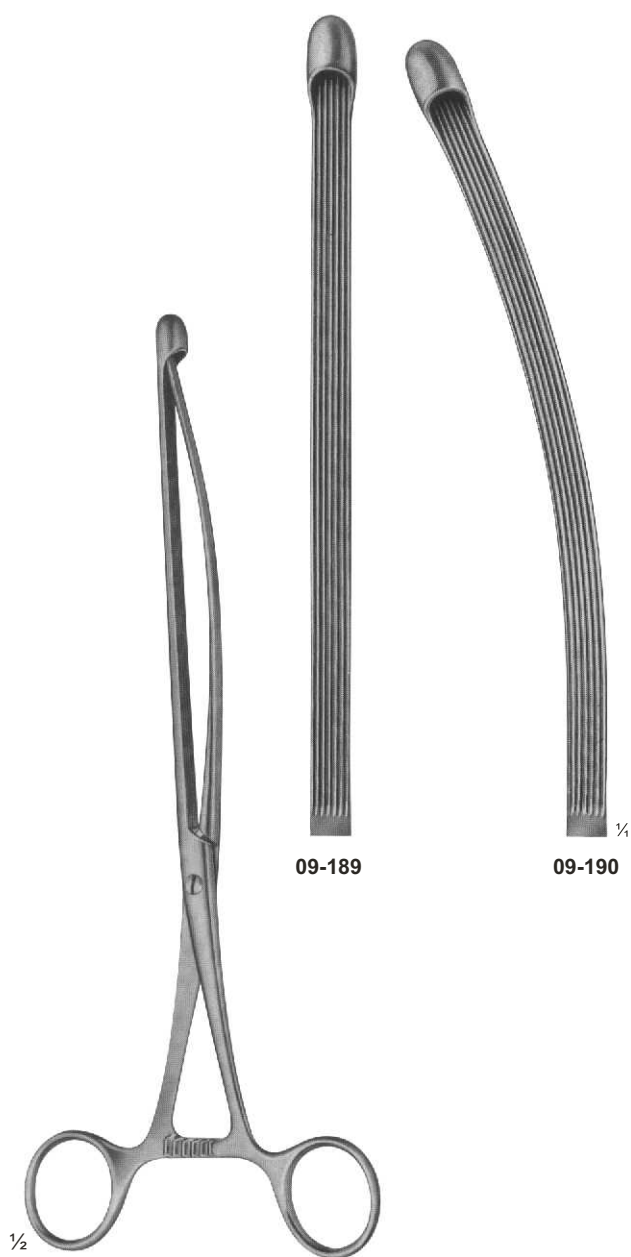


**09-183** 220 mm  
**09-184** 250 mm  
**09-185** 280 mm

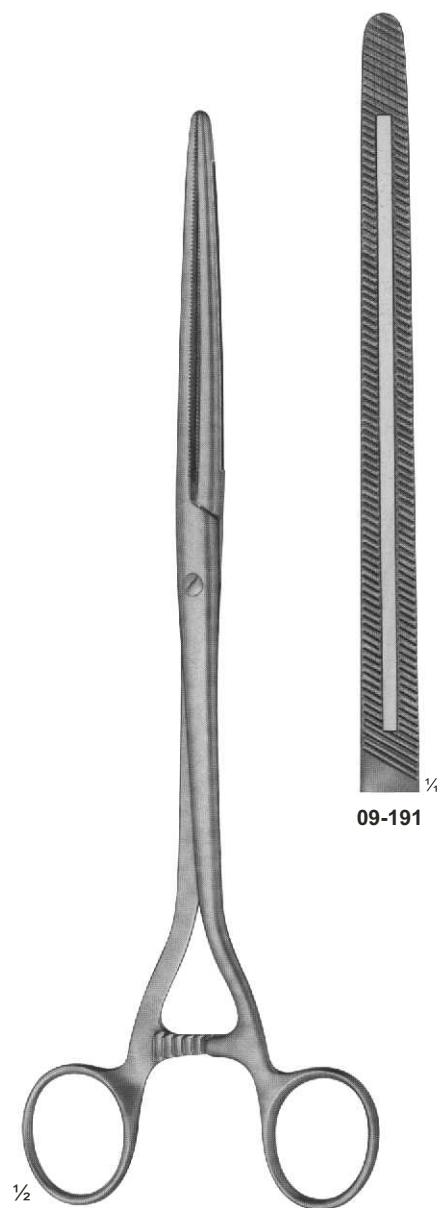


**09-186** 220 mm  
**09-187** 250 mm  
**09-188** 280 mm

# Intestinal Clamps

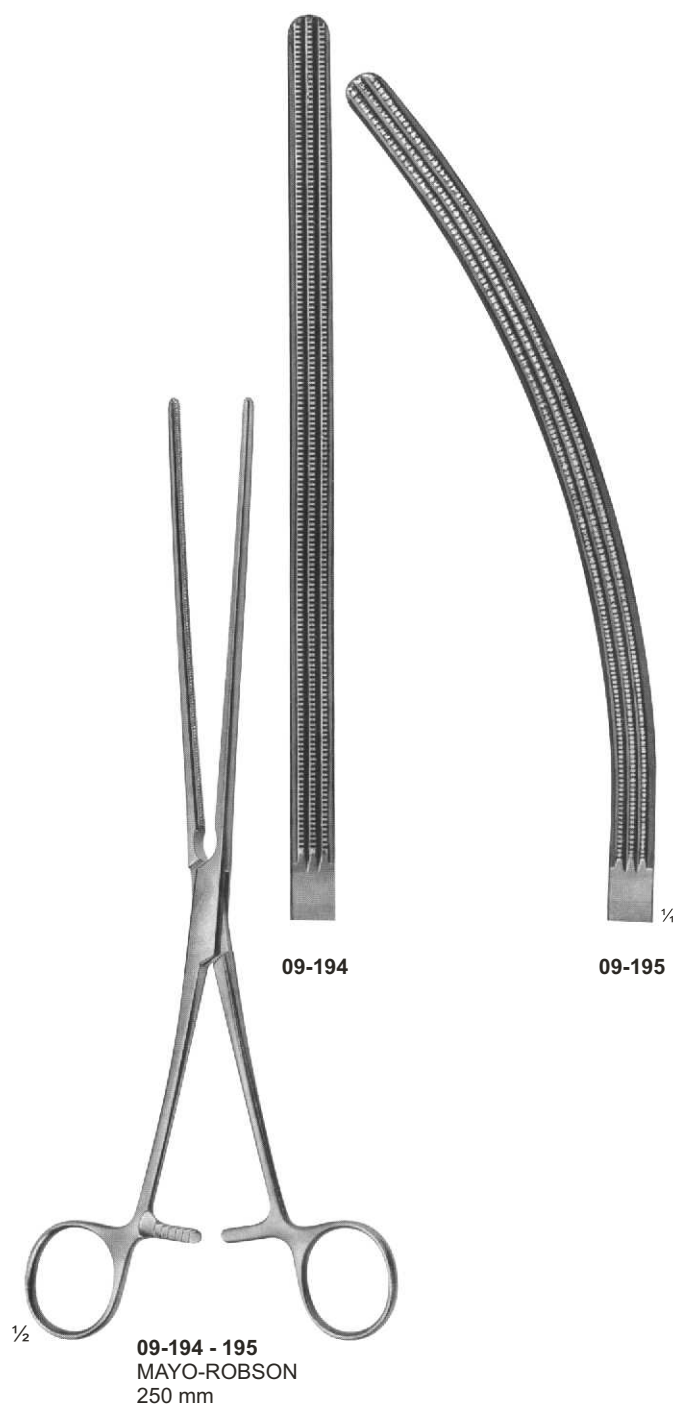
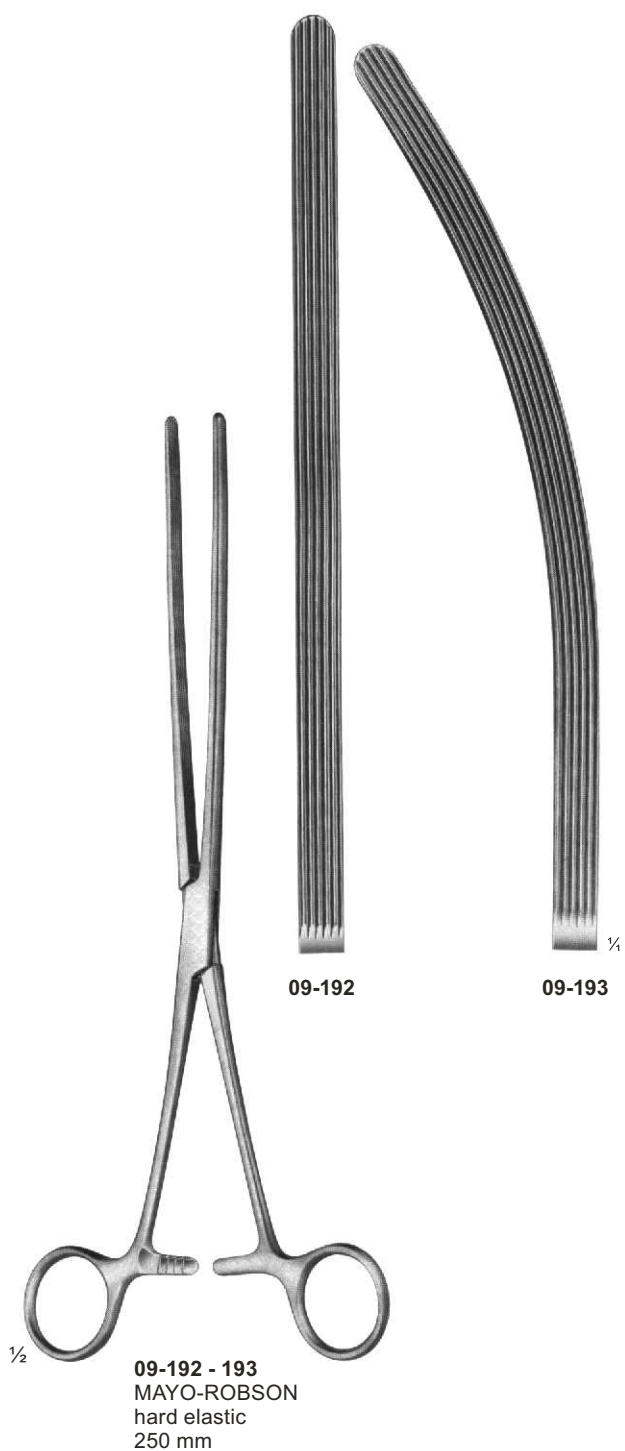


**09-189 - 190**  
NUSSBAUM  
with elastic blades  
250 mm



**09-191**  
MOYNIHAN  
280 mm

# Intestinal Clamps



# Gastro-Intestinal Forceps, twin

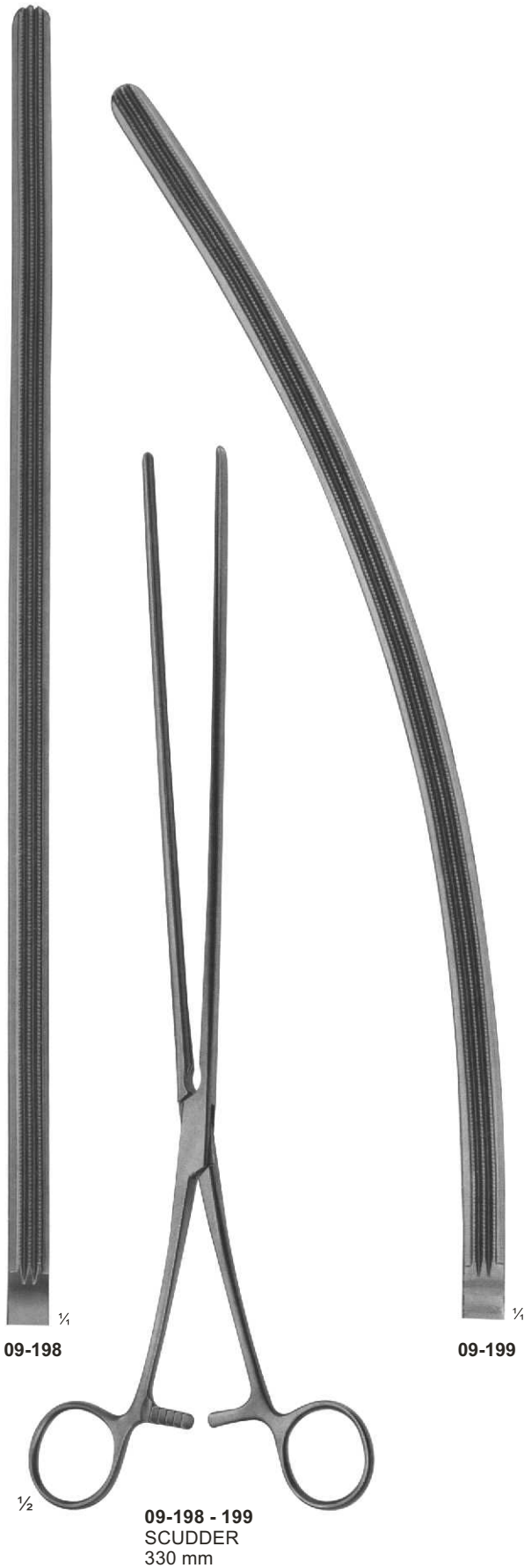


**09-196**  
LANE  
300 mm

**09-197**  
LANE  
300 mm



# Stomach Clamps



# Intestinal and Pylorus Clamps



**09-201**  
PAYR  
Intestinal clamp  
light pattern,  
for children  
180 mm

**09-202**  
PAYR  
200 mm

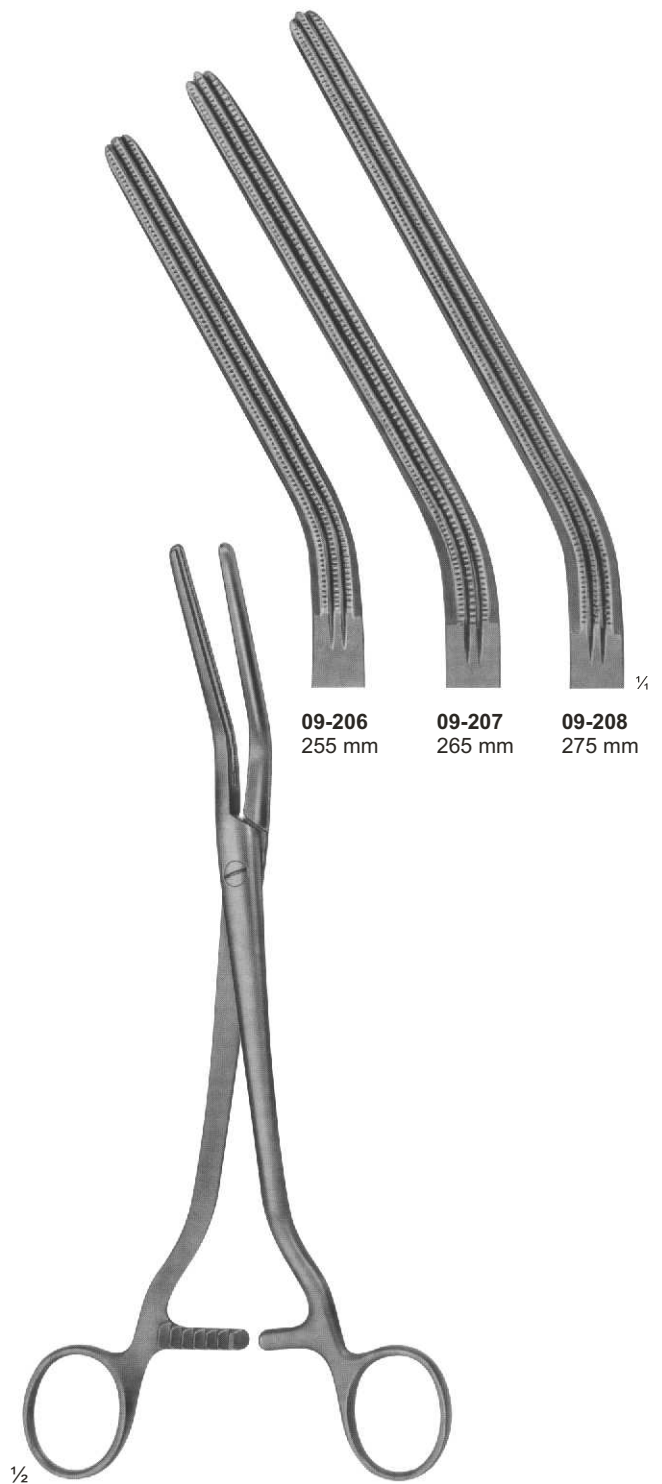
**09-203**  
PAYR  
275 mm

**09-204**  
PAYR  
Pylorus clamp  
315 mm

# Anastomosis Forceps



**09-205**  
**PARKER-KERR**  
 anastomosis forceps  
 for colon resection  
 180 mm



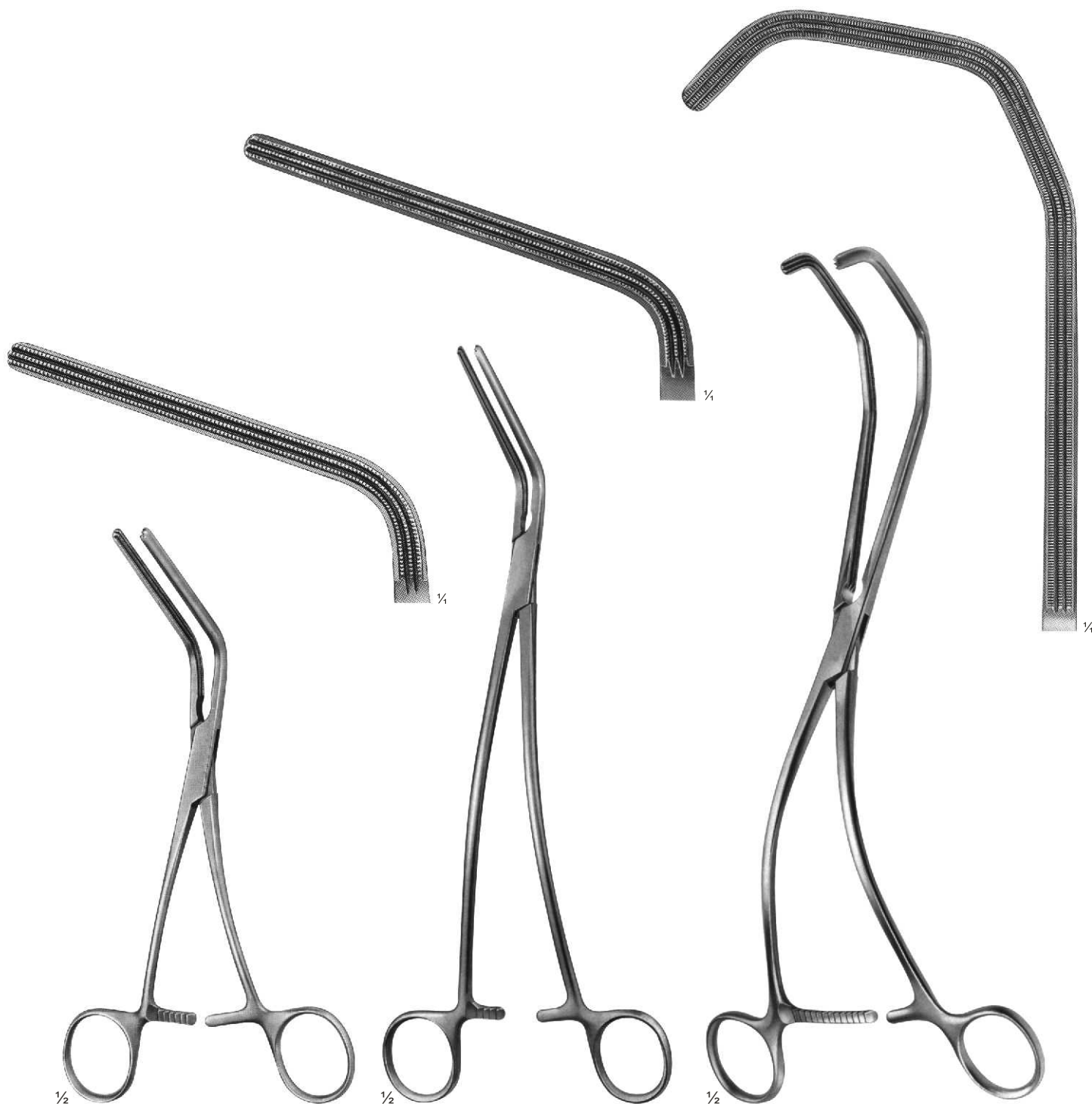
**09-206** 255 mm  
**09-207** 265 mm  
**09-208** 275 mm

**09-206 - 208**  
**DICK**  
 pressure clamps  
 180 mm

# Sigmoid Anastomosis Forceps



# Sigmoid Anastomosis Forceps

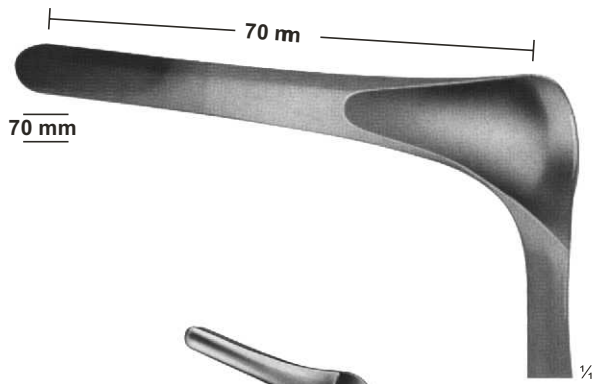


**09-212**  
MORRIS  
175 mm

**09-213**  
DE BAKEY  
(MORRIS modif.)  
240 mm

**09-214**  
KERSTING  
270 mm

# Rectal Specula



**10-101**  
KILLIAN  
for children  
145 mm



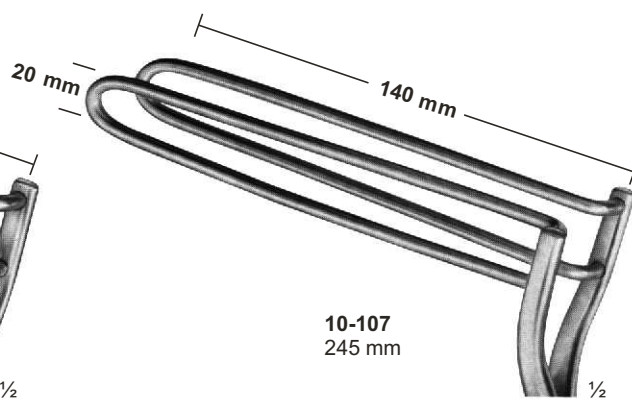
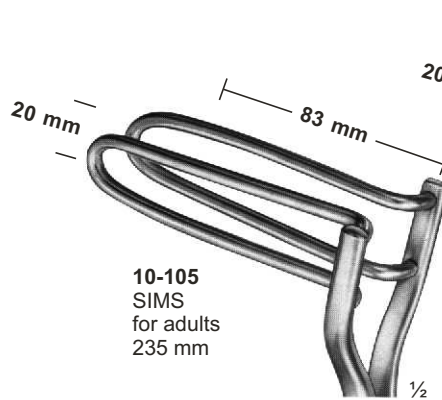
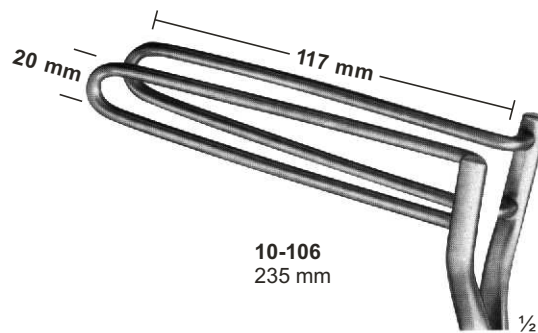
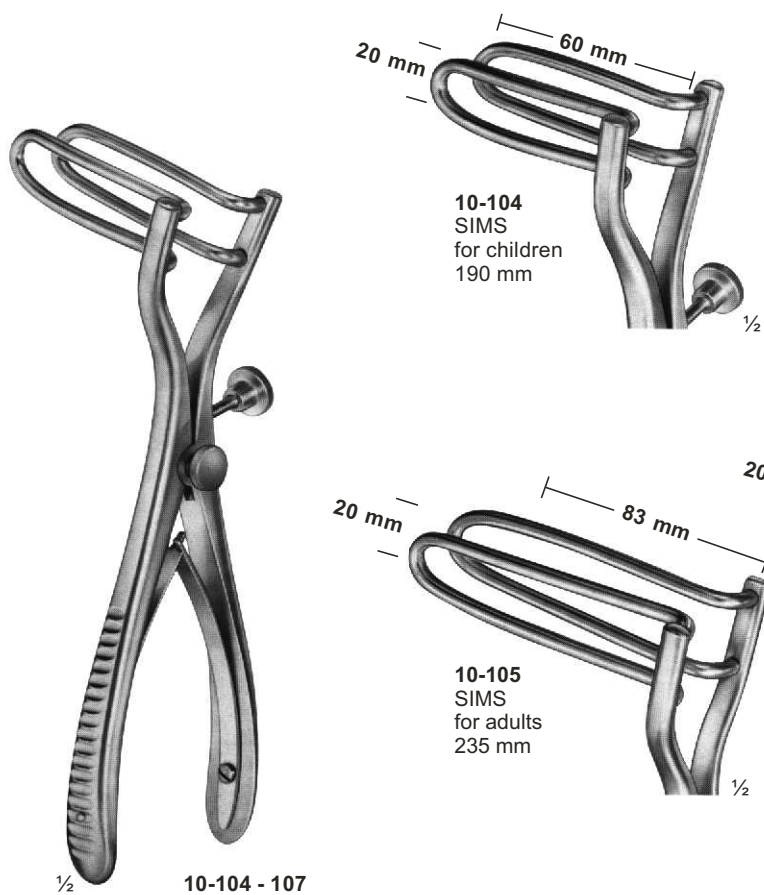
**10-102**  
SIMS  
160 mm



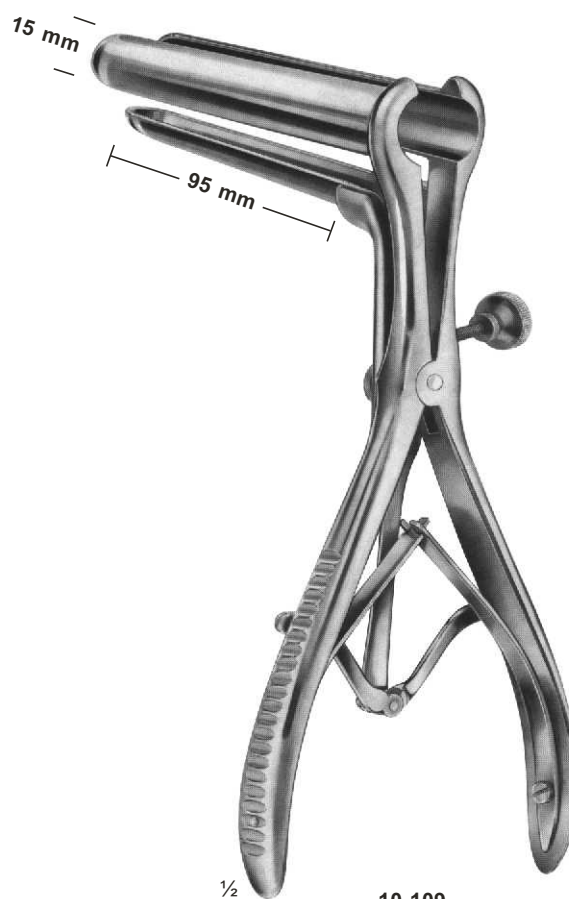
**10-103**  
SIMS  
160 mm



# Rectal Specula



1/2 **10-104 - 107**



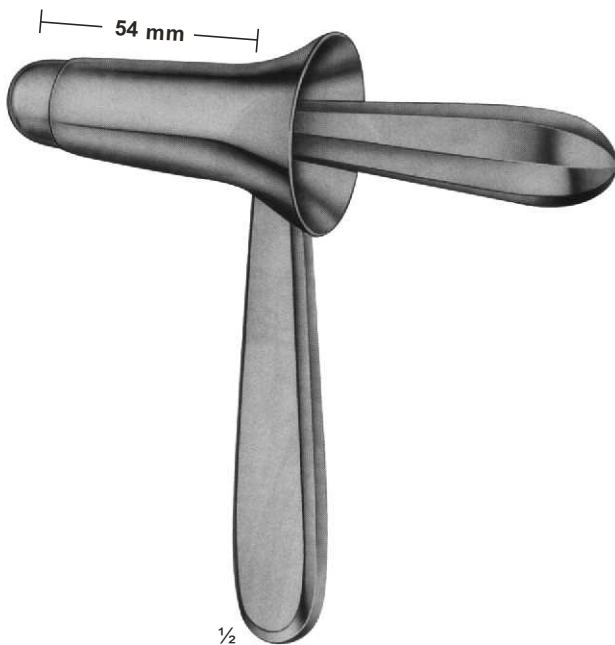
# Anusscopes-Sphincteroscopes



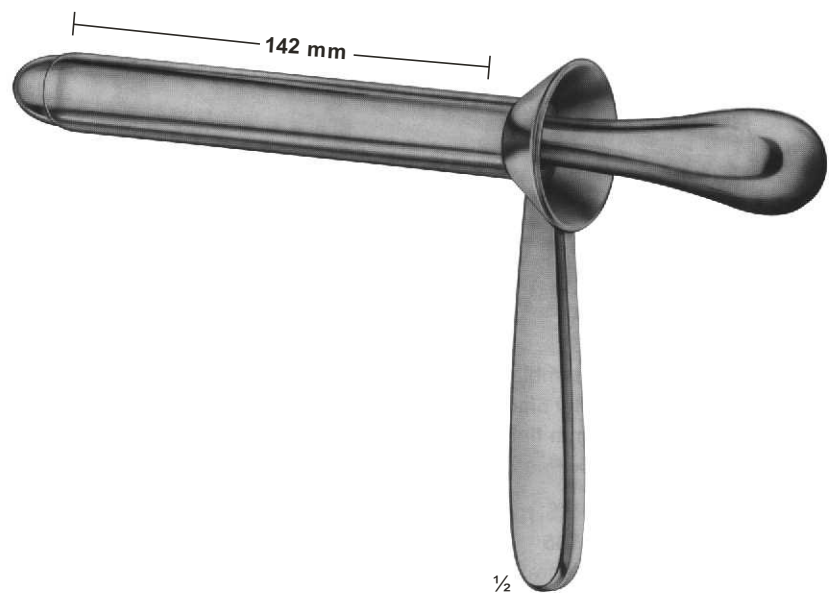
**10-110**  
IVES-FANSLER  
Anuscope  
145 mm



**10-111**  
KELLY  
Sphincteroscope  
160 mm

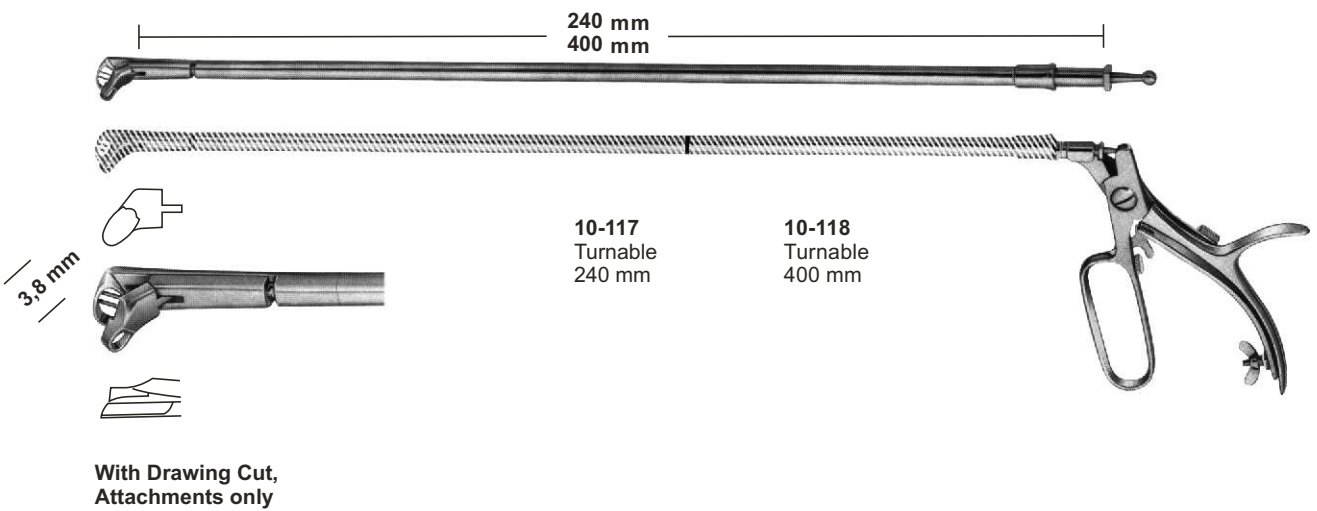
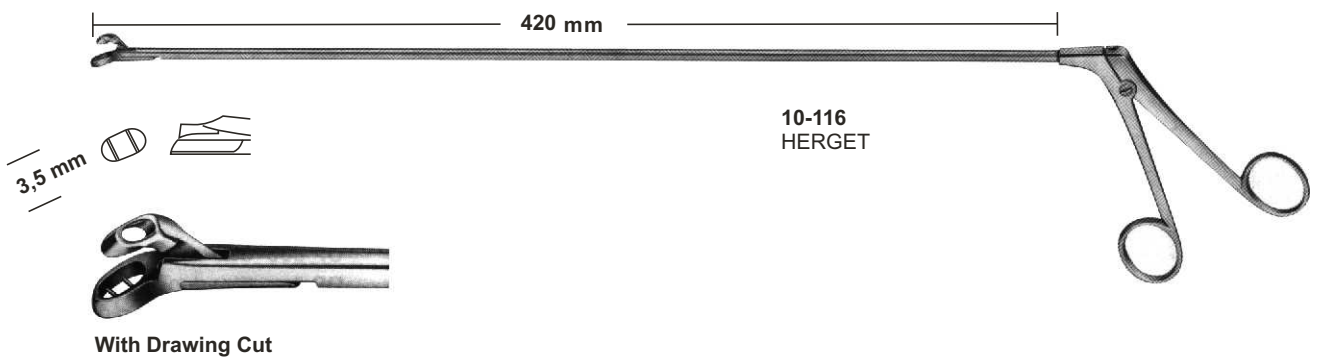
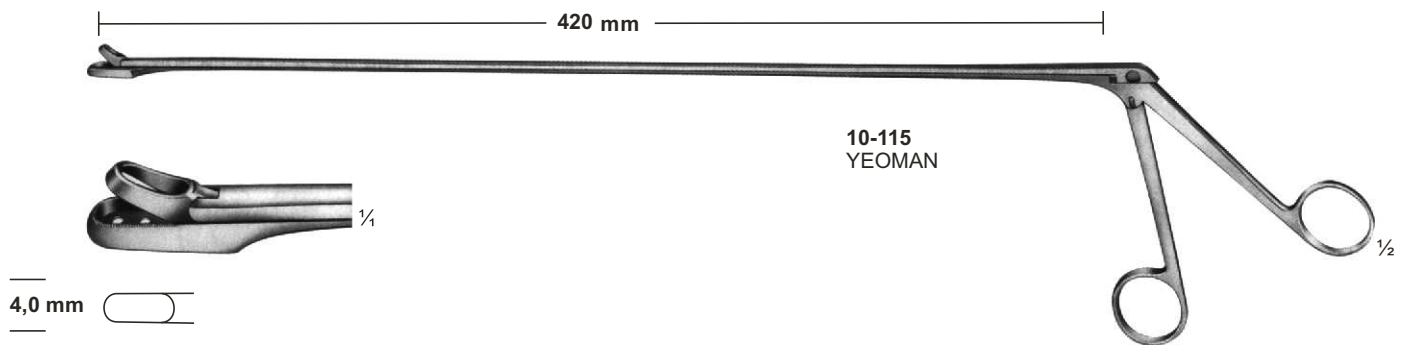
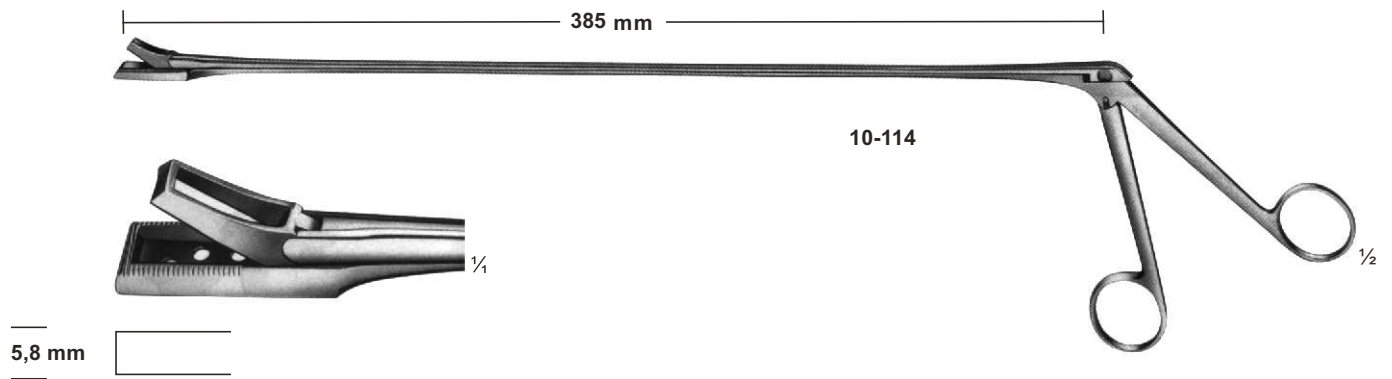


**10-112**  
KELLY  
Sphincteroscope  
160 mm

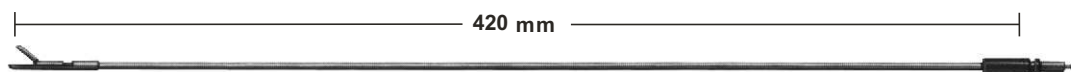


**10-113**  
KELLY  
Proctoscope  
160 mm

# Biopsy forceps for rectum



# Biopsy Forceps & Swab Holders

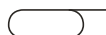


3,5 mm



10-119

3,5 mm



10-120

4,0 mm



10-121

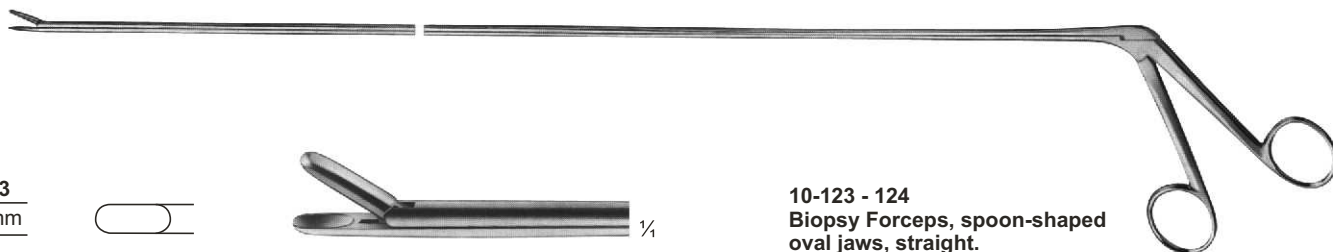
4,0 mm



10-122



10-119 - 122  
Handle for 119 - 120 - 121 - 122

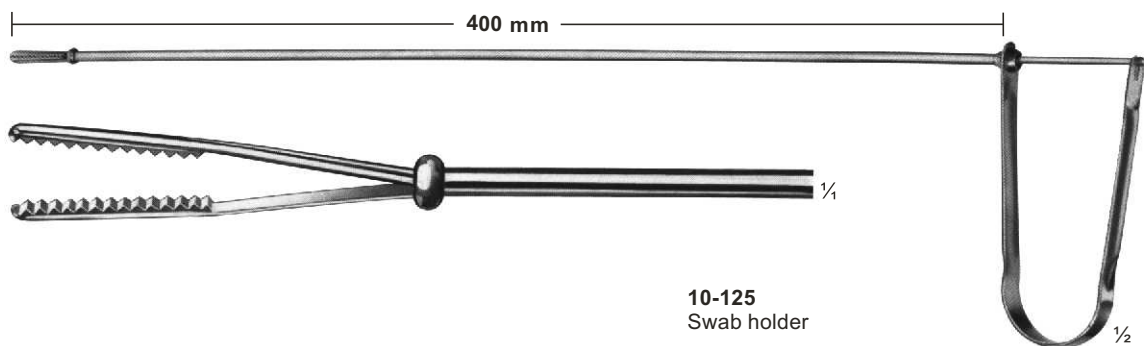


10-123  
3,5 mm



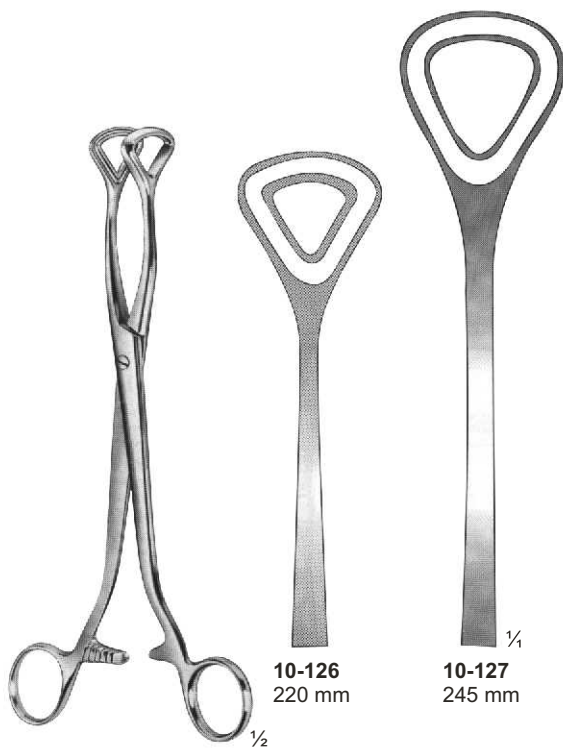
10-123 - 124  
Biopsy Forceps, spoon-shaped  
oval jaws, straight.

10-124  
4, mm



10-125  
Swab holder

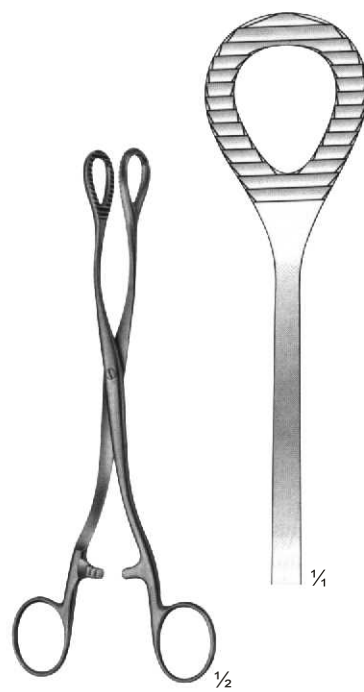
# Haemorrhoidal Forceps



**10-126 - 127**  
LUER

**10-126**  
220 mm

**10-127**  
245 mm

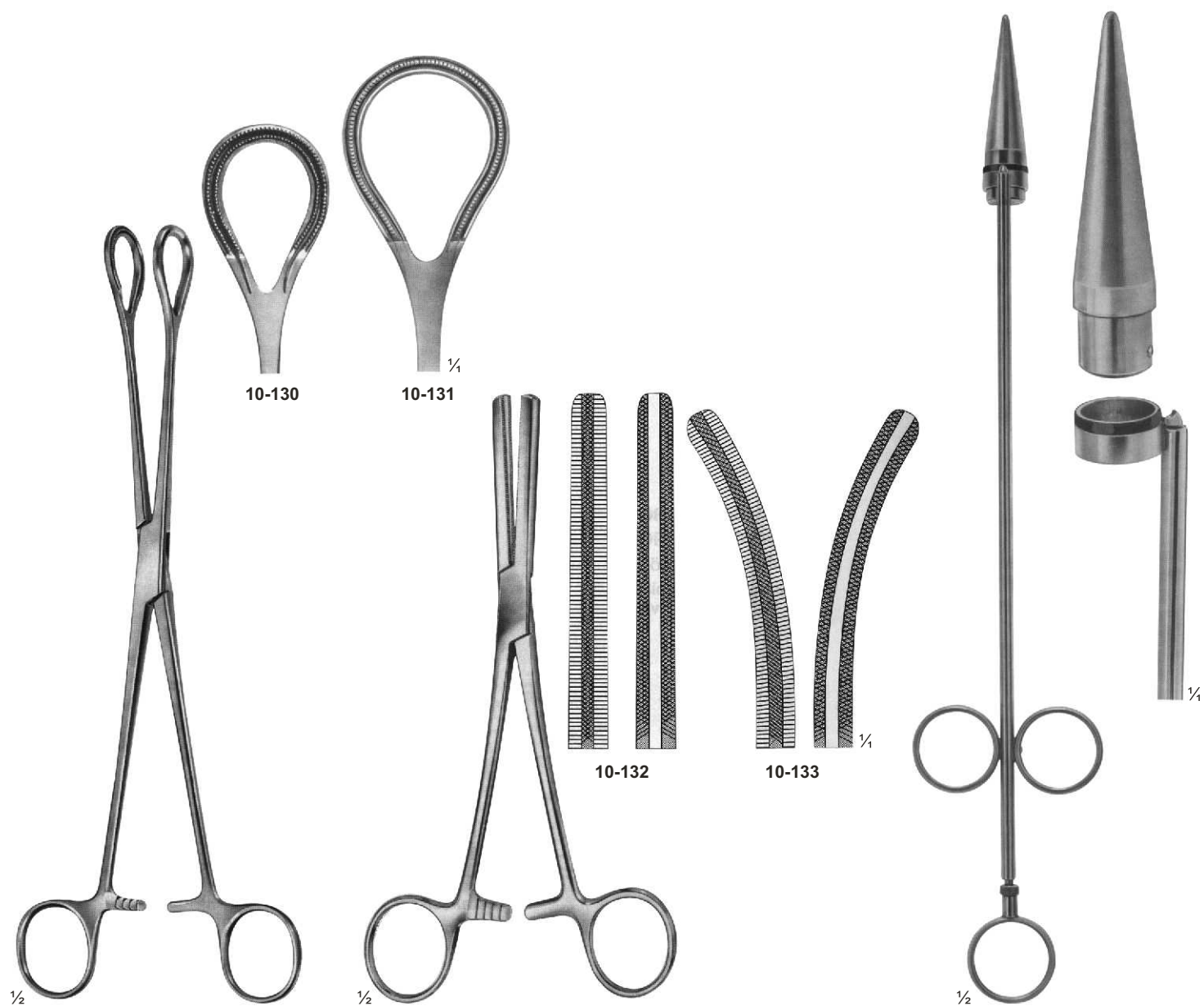


**10-128**  
HEYWOOD-SMITH  
200 mm



**10-129**  
HEYWOOD-SMITH  
modif  
200 mm

# Haemorrhoidal Forceps



**10-130 - 131**  
250 mm  
**10-131**  
270 mm

**10-132 - 133**  
**FERGUSSON**  
200 mm

**10-134**  
**RUDD**  
Haemorrhoidal ligator  
with loading  
attachment and 100  
ligature rubber rings  
315 mm



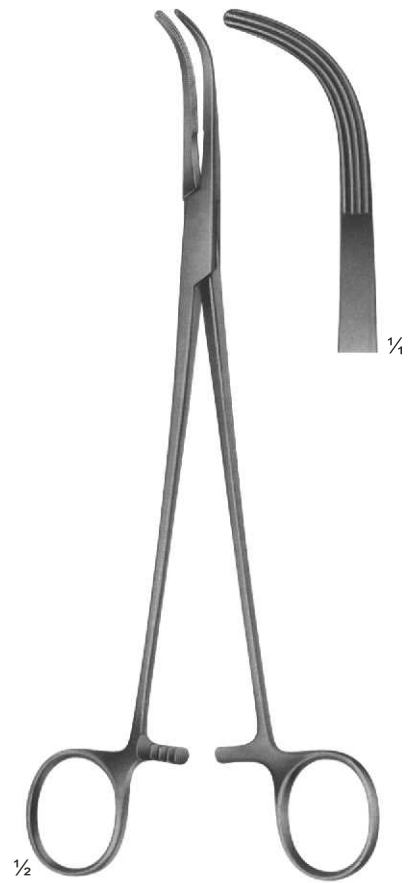
# Gall Duct Forceps



**10-135**  
LOWER  
180 mm



**10-136**  
LAHEY ( SWEET )  
190 mm



**10-137**  
LAHEY  
220 mm

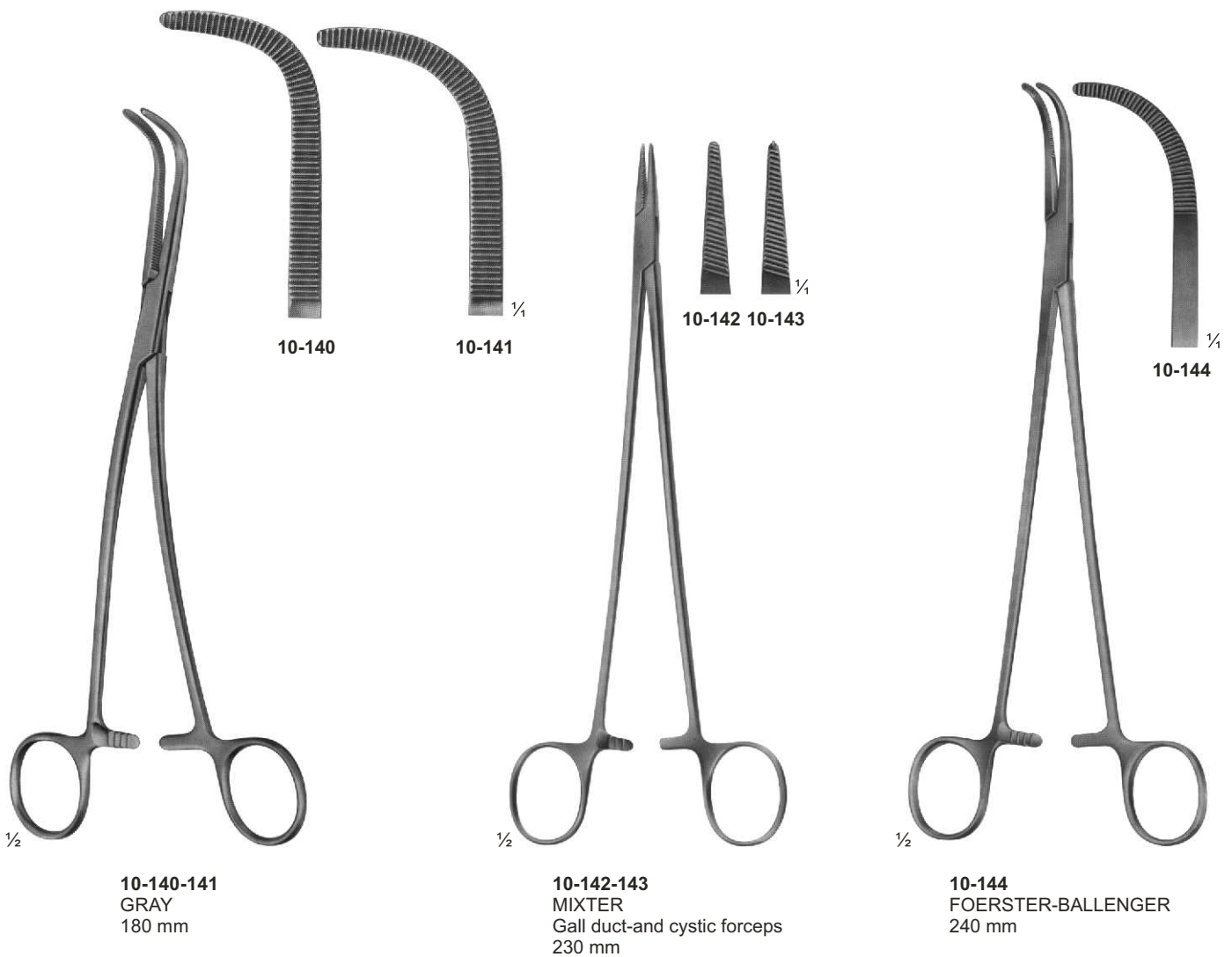


**10-138**  
DESJARDINS  
Gall duct-and cystic forceps  
210 mm

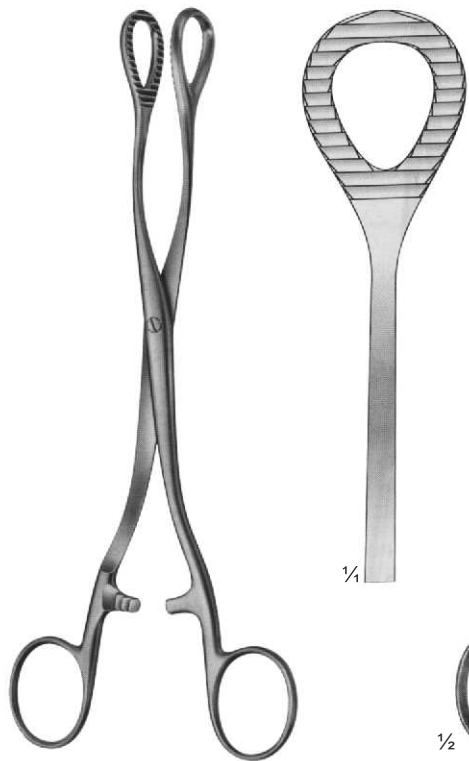
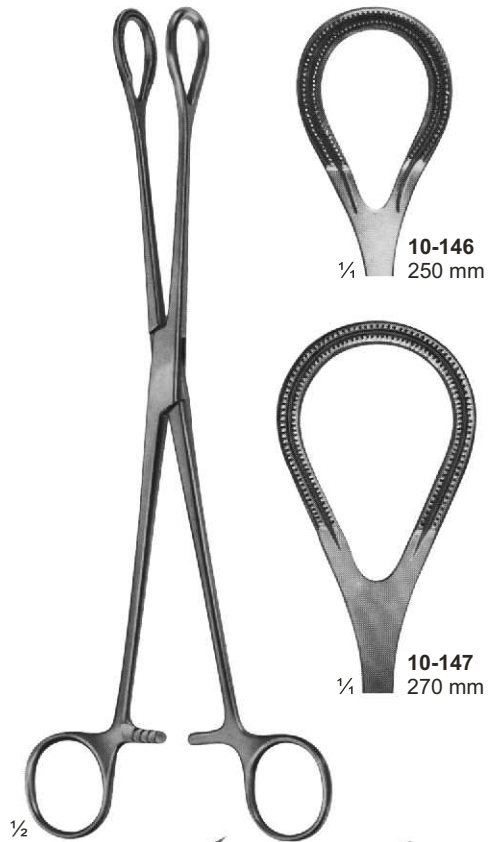
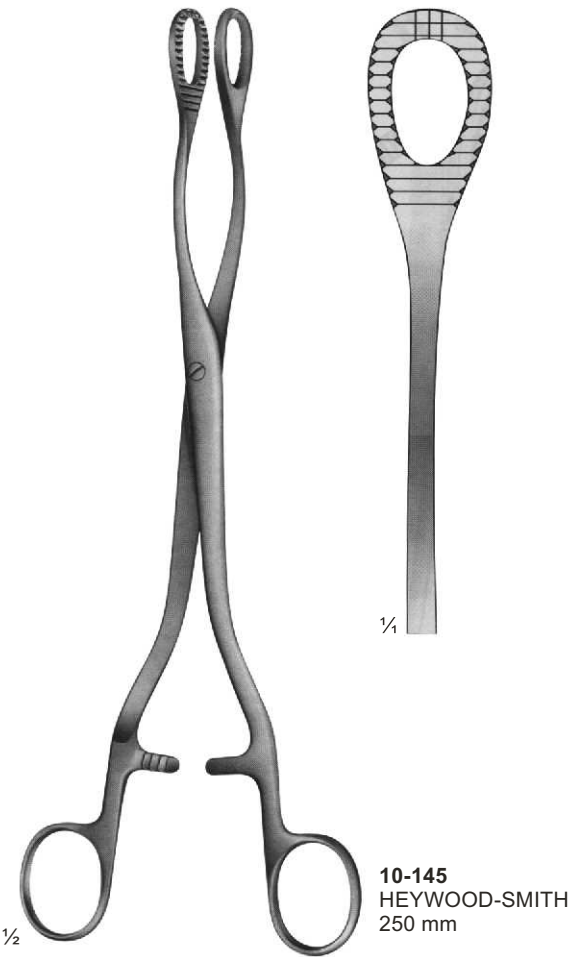


**10-139**  
NISSEN  
Gall duct-and cystic forceps  
215 mm

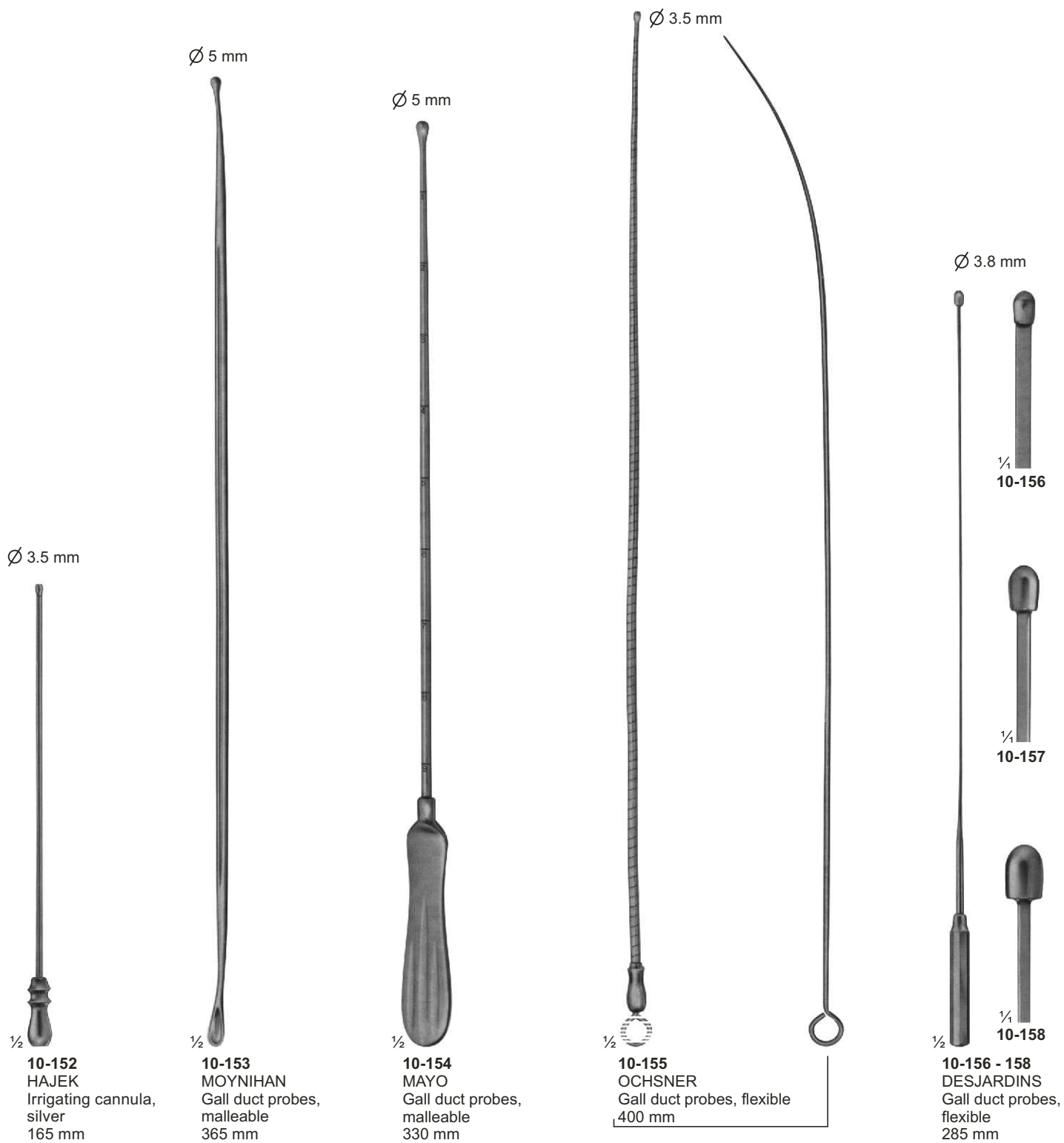
# Gall Duct Forceps and Choledochus Forceps



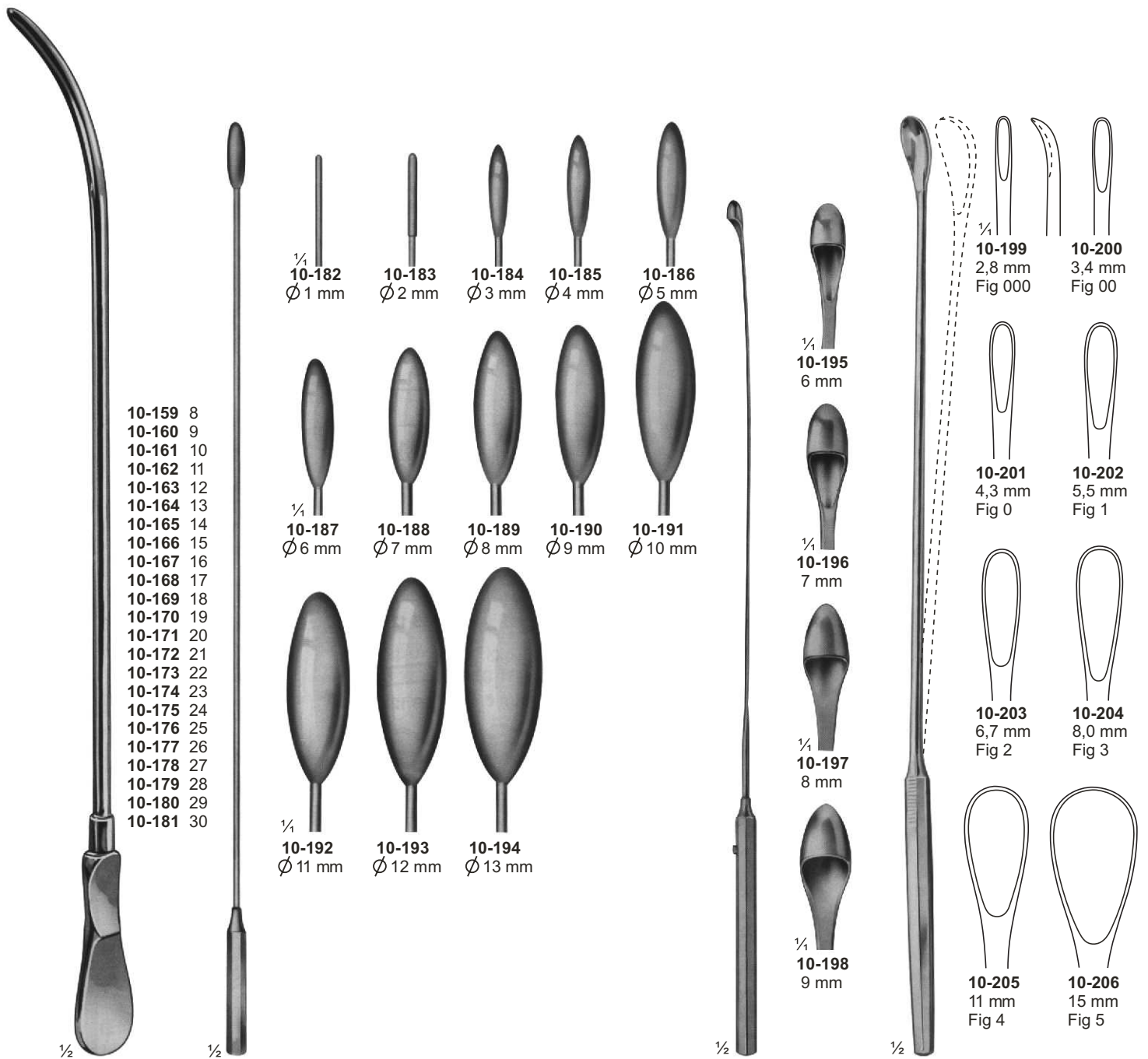
# Gall Bladder Forceps and Gall Duct Scissors



# Gall Duct Probes



# Gall Duct Dilators & Gall Stone Scoops



- 10-159 8
- 10-160 9
- 10-161 10
- 10-162 11
- 10-163 12
- 10-164 13
- 10-165 14
- 10-166 15
- 10-167 16
- 10-168 17
- 10-169 18
- 10-170 19
- 10-171 20
- 10-172 21
- 10-173 22
- 10-174 23
- 10-175 24
- 10-176 25
- 10-177 26
- 10-178 27
- 10-179 28
- 10-180 29
- 10-181 30

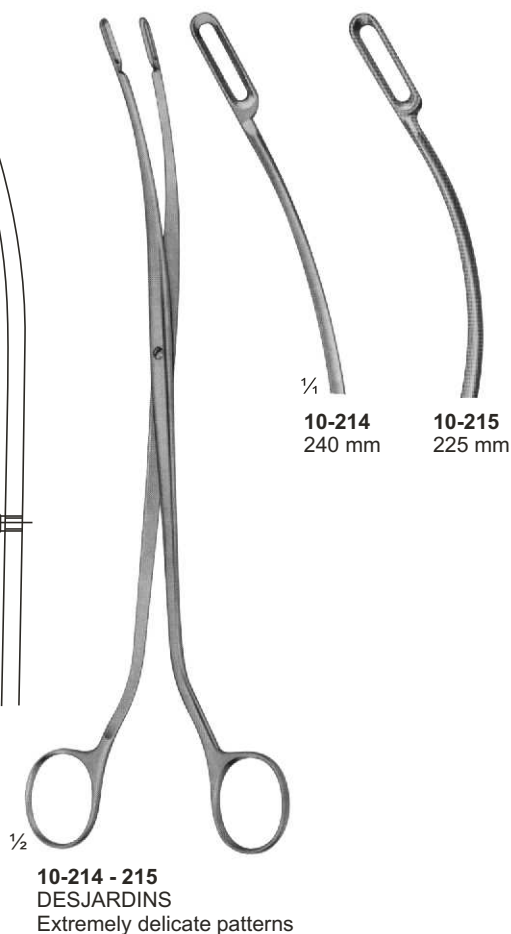
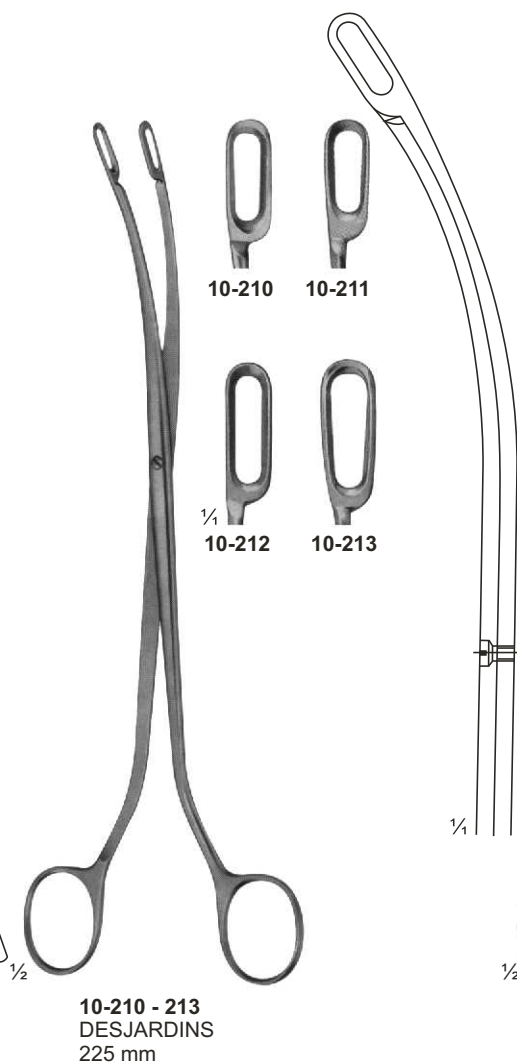
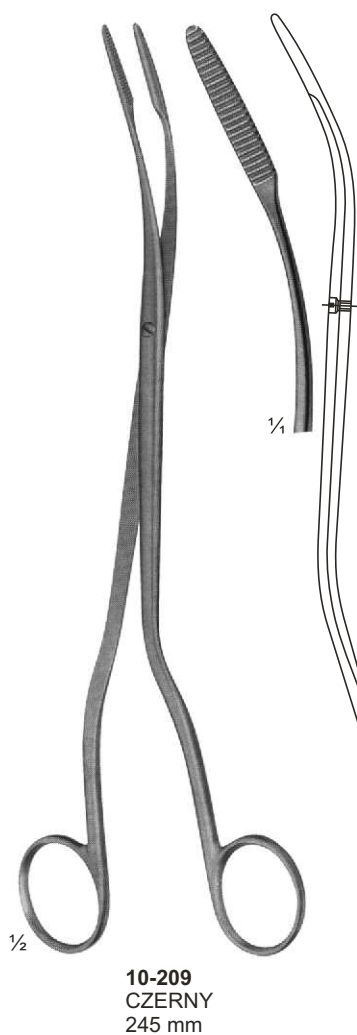
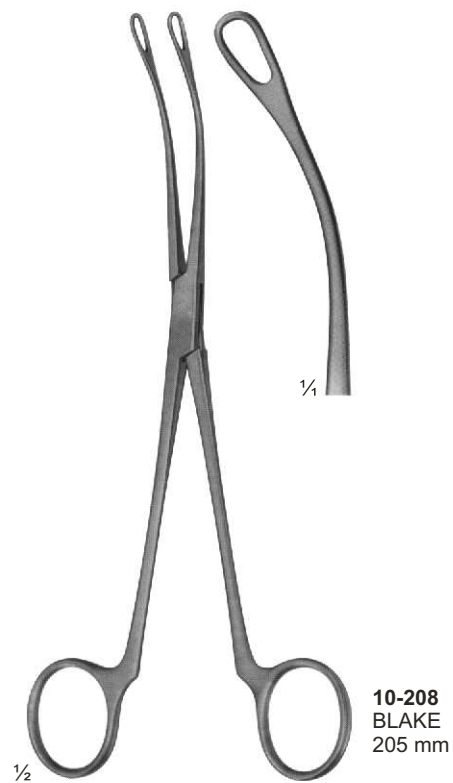
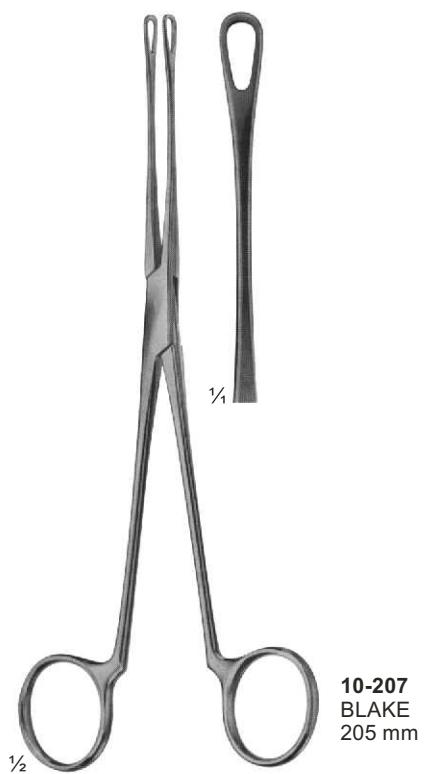
**10-159 - 181**  
DITTEL  
Metall bougies and  
dilating sounds, stiff  
345 mm

**10-182 - 194**  
BAKES  
Common bile duct  
dilators, malleable  
315 mm, 320 mm

**10-195 - 198**  
DESJARDINS  
Probes and catch  
with flexible shaft  
300 mm

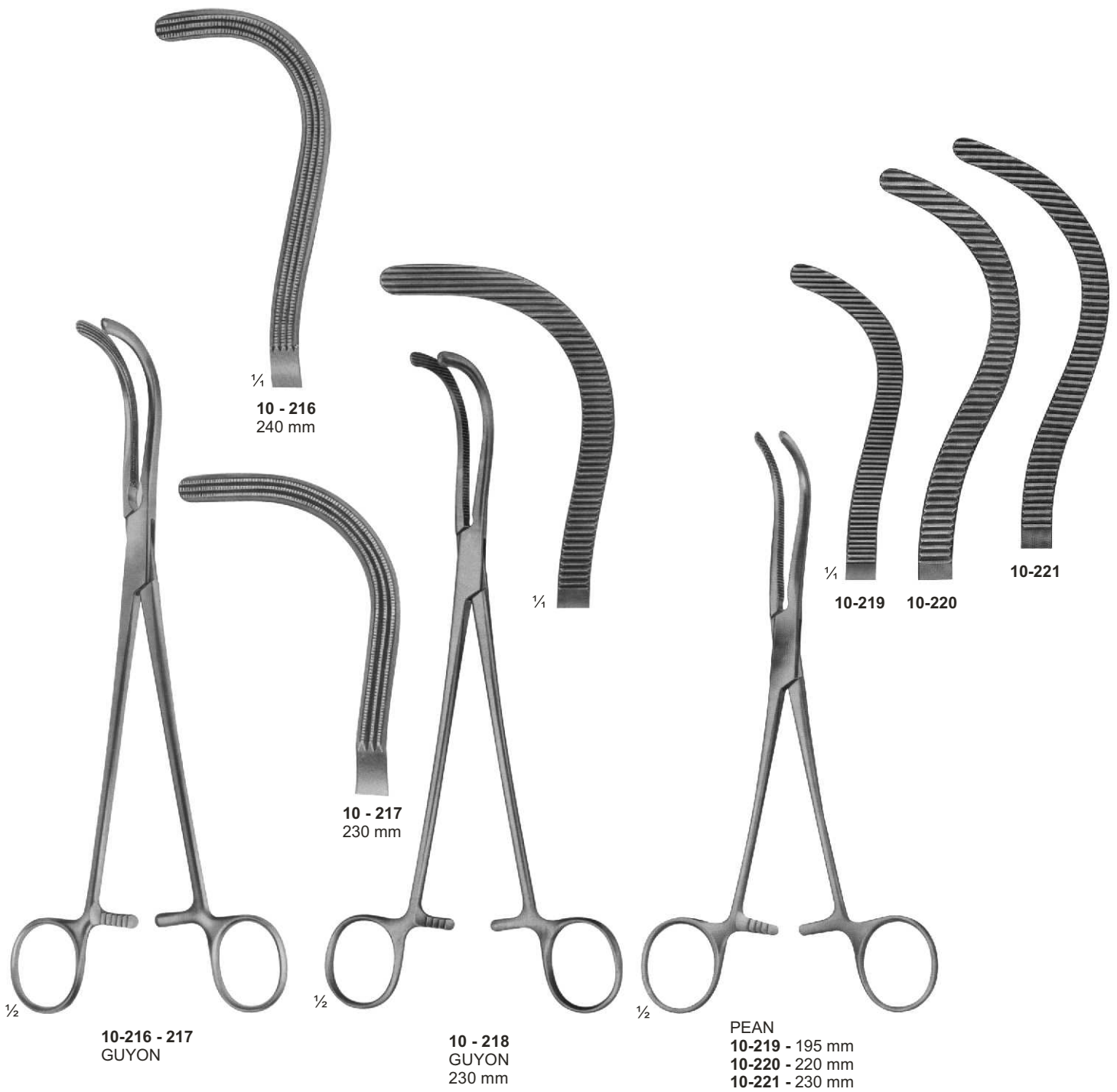
**10-199 - 206**  
LUER-KORTE modif  
with malleable shaft  
310 mm

# Gall Stone Forceps

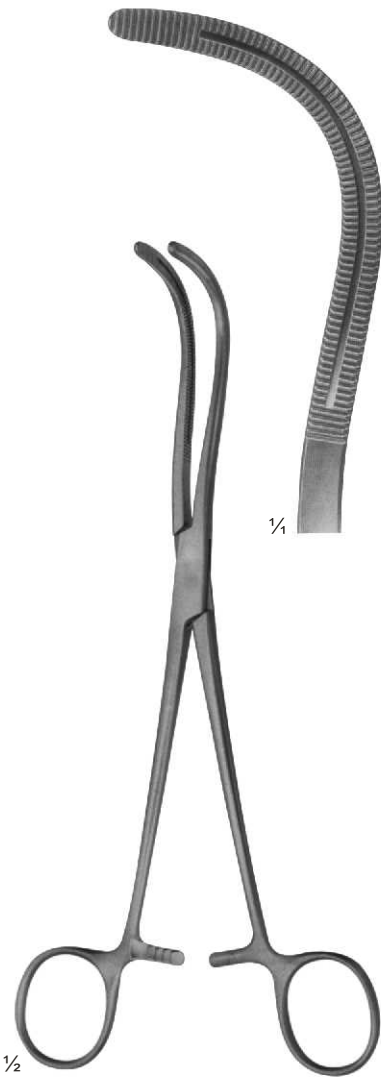




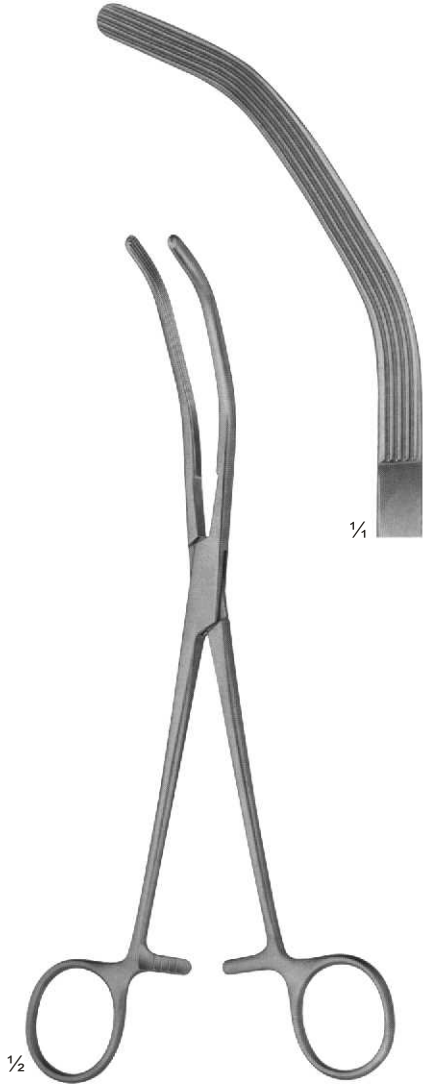
# Kidney Clamps



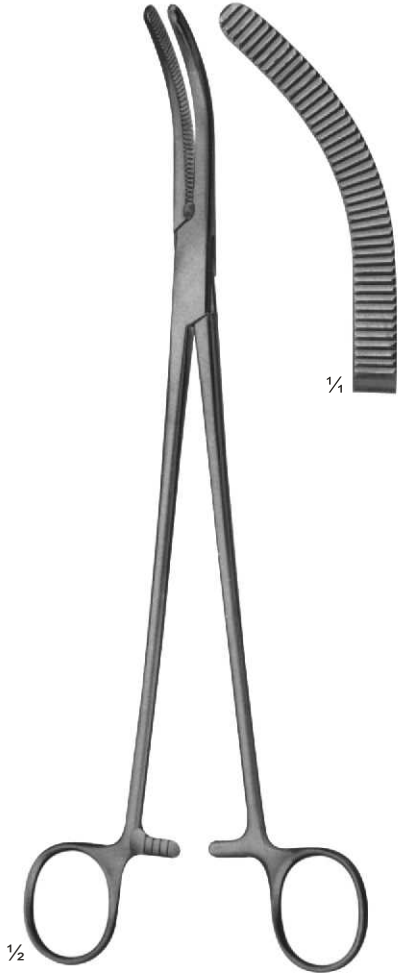
# Kidney Clamps



**10-222**  
STILLE  
220 mm



**10-223**  
HERRICK  
225 mm



**10-224**  
WERTHEIM  
225 mm

# Kidney Elevating Forceps



1/2

**10-225**  
COLLIN  
285 mm



1/2

**10-226**  
DARTIGUES  
255 mm

# Kidney Stone Forceps



10-227



10-228



10-229



$\frac{1}{4}$   
10-230



$\frac{1}{2}$

10-227 - 230  
RANDALL  
225 mm



10-231



10-232



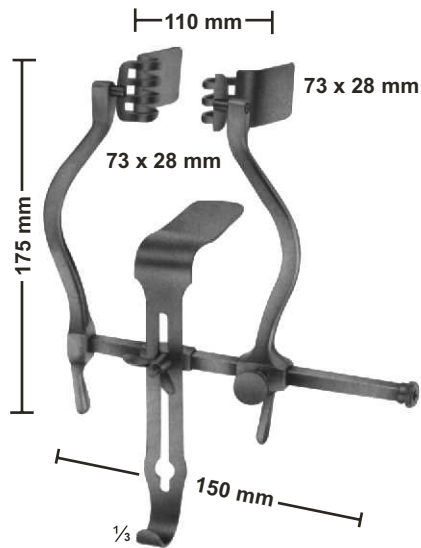
$\frac{1}{4}$   
10-233



$\frac{1}{2}$

10-231 - 233  
RANDALL  
190 mm

# Bladder Retractors



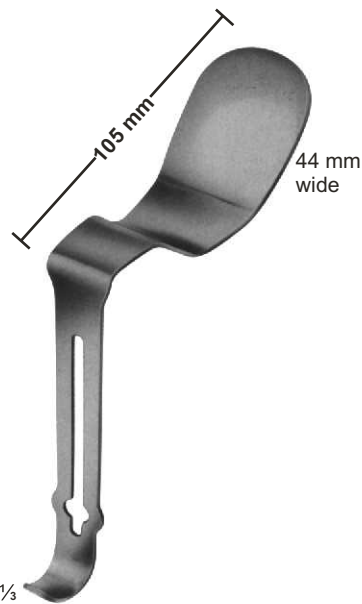
**11-101**  
**JUDD-MASSON**  
 Bladder and suprapubic  
 retractor



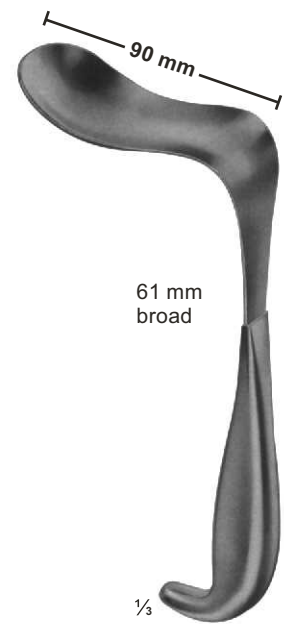
**11-102**  
**MILLIN**  
 Bladder retractor  
 105X45 mm



**11-103**  
**LEGUEU**  
 Bladder retractor  
 Center blade  
 80 x 31 mm



**11-104**  
**MILLIN**  
 Center bladder for  
 retro pubic prostatectomy

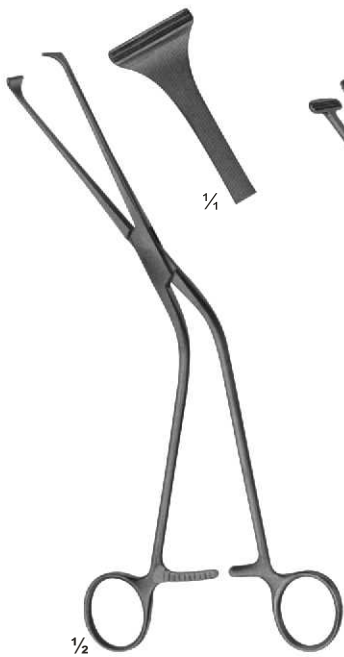


**11-105**  
**KOCHER**  
 Bladder spatula  
 235 mm

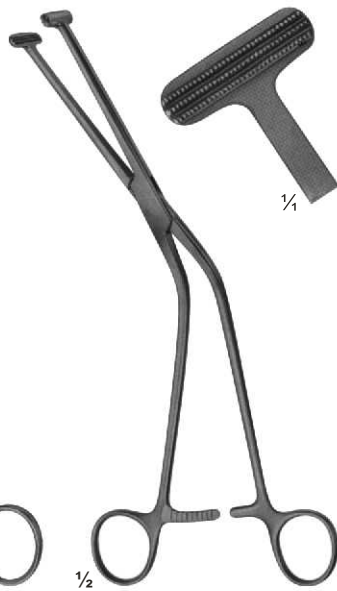
# Genito-Urinary Instruments-Prostatectomy



**11-106**  
MATHIEU  
Foreign body forceps  
Length of shaft  
190 mm



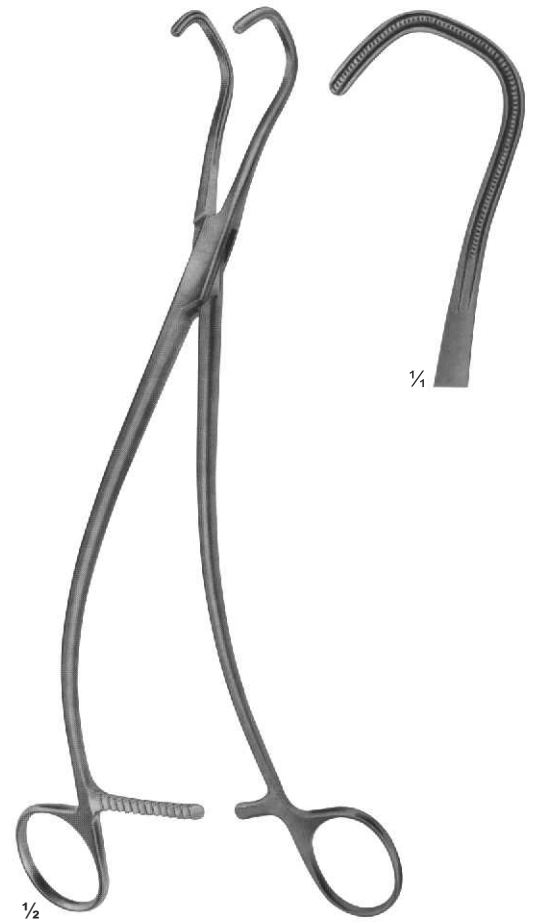
**11-107**  
MILLIN  
Lobe grasping  
forceps  
245 mm



**11-108**  
MILLIN  
Lobe grasping  
forceps  
235 mm



**11-109**  
MILLIN  
Bladder neck spreader  
285 mm



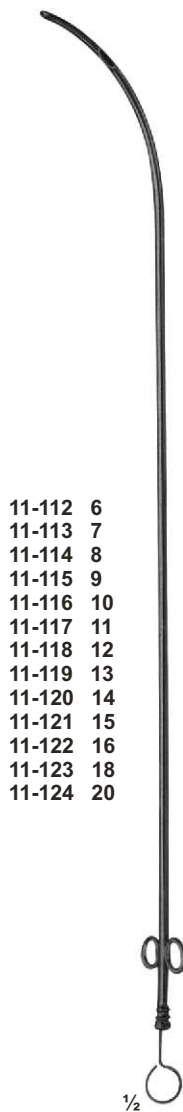
**11-110**  
Ureter forceps  
240 mm



# Genito-Urinary Instruments



**11-111**  
GUYON  
Catheter guide  
(introducer)  
365 mm



- 11-112 6
- 11-113 7
- 11-114 8
- 11-115 9
- 11-116 10
- 11-117 11
- 11-118 12
- 11-119 13
- 11-120 14
- 11-121 15
- 11-122 16
- 11-123 18
- 11-124 20

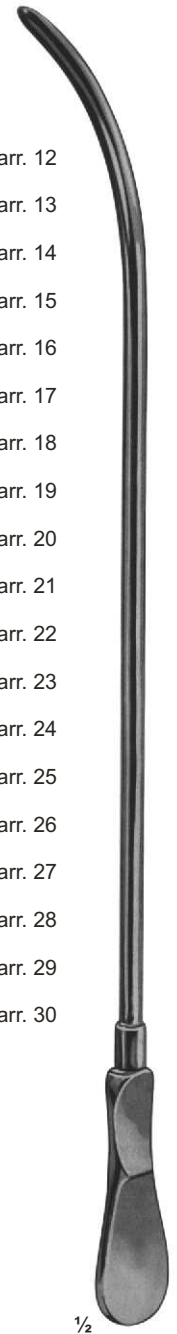
**11-112 - 124**  
Female catheters,  
metal  
160 mm



- 11-125 8
- 11-126 9
- 11-127 10
- 11-128 11
- 11-129 12
- 11-130 13
- 11-131 14
- 11-132 15
- 11-133 16
- 11-134 17
- 11-135 18
- 11-136 19
- 11-137 20
- 11-138 21
- 11-139 22
- 11-140 23
- 11-141 24
- 11-142 25
- 11-143 26
- 11-144 27
- 11-145 28
- 11-146 29
- 11-147 30

**11-125 - 147**  
Urethral bougies  
and dilating sounds  
345 mm

- 11-148 Ben. 24/Charr. 12
- 11-149 Ben. 25
- 11-150 Ben. 26/Charr. 13
- 11-151 Ben. 27
- 11-152 Ben. 28/Charr. 14
- 11-153 Ben. 29
- 11-154 Ben. 30/Charr. 15
- 11-155 Ben. 31
- 11-156 Ben. 32/Charr. 16
- 11-157 Ben. 33
- 11-158 Ben. 34/Charr. 17
- 11-159 Ben. 35
- 11-160 Ben. 36/Charr. 18
- 11-161 Ben. 37
- 11-162 Ben. 38/Charr. 19
- 11-163 Ben. 39
- 11-164 Ben. 40/Charr. 20
- 11-165 Ben. 41
- 11-166 Ben. 42/Charr. 21
- 11-167 Ben. 43
- 11-168 Ben. 44/Charr. 22
- 11-169 Ben. 45
- 11-170 Ben. 46/Charr. 23
- 11-171 Ben. 47
- 11-172 Ben. 48/Charr. 24
- 11-173 Ben. 49
- 11-174 Ben. 50/Charr. 25
- 11-175 Ben. 51
- 11-176 Ben. 52/Charr. 26
- 11-177 Ben. 53
- 11-178 Ben. 54/Charr. 27
- 11-179 Ben. 55
- 11-180 Ben. 56/Charr. 28
- 11-181 Ben. 57
- 11-182 Ben. 58/Charr. 29
- 11-183 Ben. 59
- 11-184 Ben. 60/Charr. 30

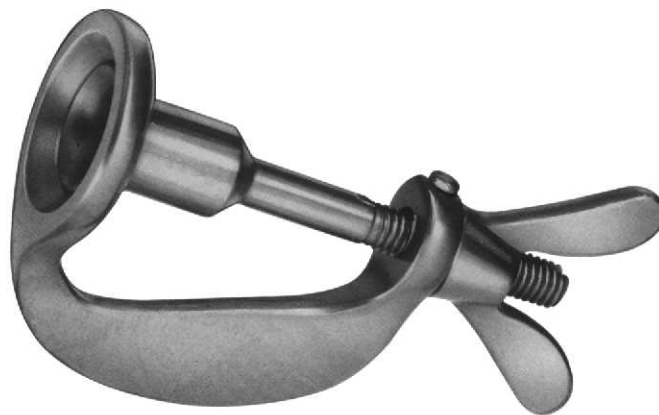


**11-148 - 184**  
Urethral bougies  
and dilating sounds  
255 mm

## Genito-Urinary Instruments & Circumcision Clamps



**11-185**  
GUYON  
Set of urethral bougies and dilating sounds,  
in metal case, with lift out rack and bottom  
rack, containing 21 urethral and dilating sounds.

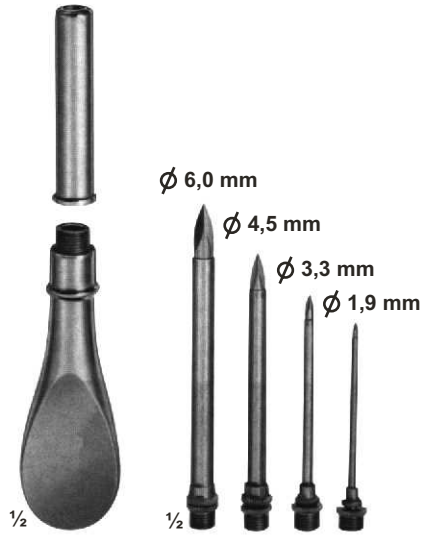


**11-186**  
WINKELMANN  
**Circumcision Clamps**  
12 mm / 16 mm / 20 mm

# Trocars



**11-187**  
KLIMA ROSEGGER  
35 X 1,8 mm  
Sternal puncture needle



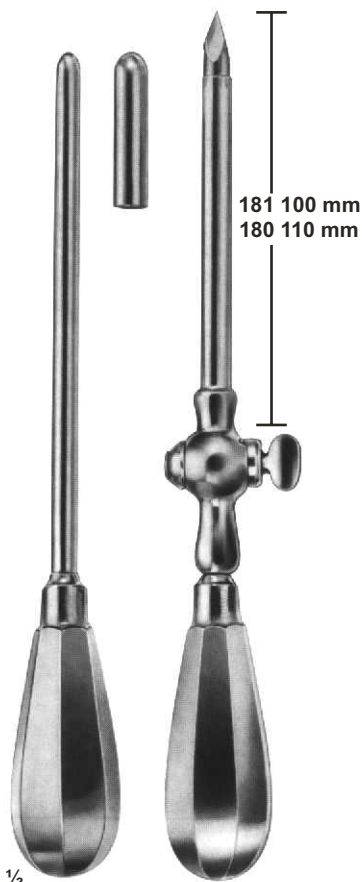
**11-188**  
Universal trocar  
with 4 tips



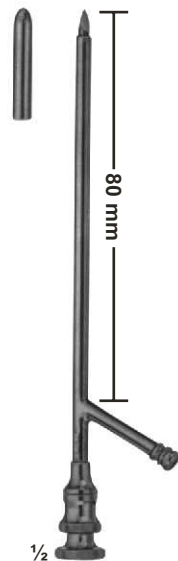
**11-189 - 193**  
Inside dime. Outside dime  
**11-189** 2,2 mm 3,0 mm  
**11-190** 3,0 mm 4,0 mm  
**11-191** 4,0 mm 5,0 mm  
**11-192** 5,0 mm 6,0 mm  
**11-193** 5,5 mm 6,5 mm  
for hydrocele and abdominal  
puncture



**11-194 - 197**  
Inside dime. Outside dime  
**11-194** 2,2 mm 3,0 mm  
**11-195** 3,0 mm 4,0 mm  
**11-196** 4,0 mm 5,0 mm  
**11-197** 5,0 mm 6,0 mm  
for abdominal puncture,  
with stop-cock and lateral  
drain



**11-198 - 199**  
Inside dime. Outside dime  
**11-198** 6,5 mm 8,0 mm  
**11-199** 9,0 mm 10,0 mm  
Empyema trocar



**11-200 - 203**  
Inside dime. Outside dime  
**11-200** 3,0 mm 4,0 mm  
**11-201** 3,6 mm 4,6 mm  
**11-202** 4,3 mm 5,3 mm  
**11-203** 5,0 mm 6,0 mm  
Gall bladder trocars



**11-204**  
PIERCE  
Antrum trocar  
4,0 mm

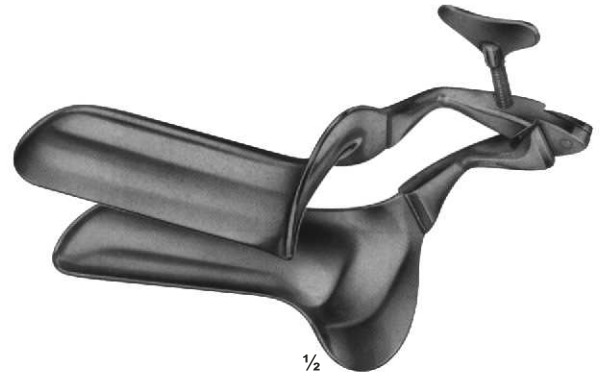


**11-205**  
COAKLEY  
Antrum trocar  
3,0 mm

# Vaginal specula

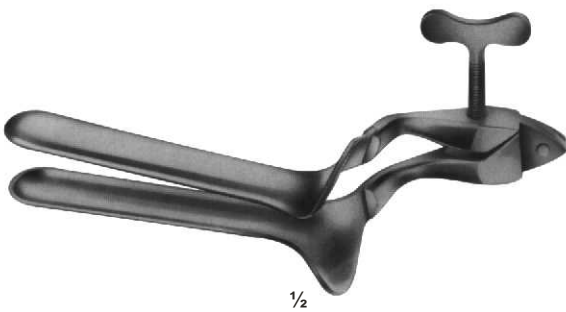


**12-101**  
COLLIN  
for children  
53 x 10 mm



**12-102 - 105**  
COLLIN

<b>12-102</b>	100/90mm	28 mm
<b>12-103</b>	100/90mm	32 mm
<b>12-104</b>	105/95mm	35 mm
<b>12-105</b>	115/105mm	40 mm
Total length/working length		width



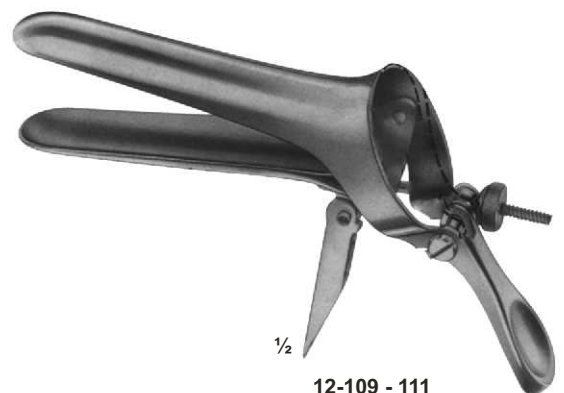
**12-106**  
COLLIN  
for virgins  
95/85 x 18 mm



**12-107**  
CUSCO  
for virgins  
75 x 17 mm



**12-108**  
CUSCO  
for virgins  
75 x 17 mm



**12-109 - 111**  
CUSCO

<b>12-109</b>	92X23-25 mm
<b>12-110</b>	100x25-27 mm
<b>12-111</b>	110x27-30 mm

# Vaginal Specula



**12-112 - 115**  
**CUSCO**  
**STANDARD**  
**12-112** 80X24 mm  
**12-113** 80X32 mm  
**12-114** 90X36 mm  
**12-115** 110X37 mm



**12-116 - 119**  
**CUSCO**  
**12-116** 80X24 mm  
**12-117** 80X32 mm  
**12-118** 90X36 mm  
**12-119** 110X37 mm



**12-120 - 122**  
**CUSCO**  
**12-120** 80X24 mm  
**12-121** 80X32 mm  
**12-122** 115X36 mm



**12-123 - 124**  
**SEYFFERT**  
**12-123** 100X24 mm  
**12-124** 110X32 mm  
 230 mm



**12-125**  
**SEMM**  
 for children  
 and virgins  
 180 mm



# Vaginal Specula, Sets, Upper & Lower Blades



**12-126 - 128**  
GRAVE  
12-126 75X20 mm  
12-127 95X30 mm  
12-128 105X33 mm

1/2



**12-129 - 130**  
PEDERSON  
12-129 100X22 mm  
12-130 120X25 mm

1/2



**12-131 - 132**  
BRIESKY  
12-131 72X25 mm / 77X30 mm  
12-132 75X30 mm / 92X38 mm  
170 mm

1/2



1/2

**12-133 - 134**  
BRIESKY  
12-133 100X22 mm  
77 X30 mm  
140 mm  
12-134 120X25 mm  
92 X38 mm  
170 mm



1/2

**12-135 - 137**  
SEIDL  
12-135 80X8 mm  
12-136 80X10 mm  
12-137 90X14 mm  
For children and infants  
170 mm



1/2

**12-138**  
KRISTELLER  
70X15 mm, ( 170 mm )  
For children



1/2

**12-139 - 141**  
SIMS  
12-139 70X26 mm  
75 X30 mm 125 mm  
12-140 75X30 mm  
80 X85 mm 150 mm  
11-141 80X36 mm  
90 X40 mm 175 mm



# Vaginal Specula-Sets, upper and lower blades

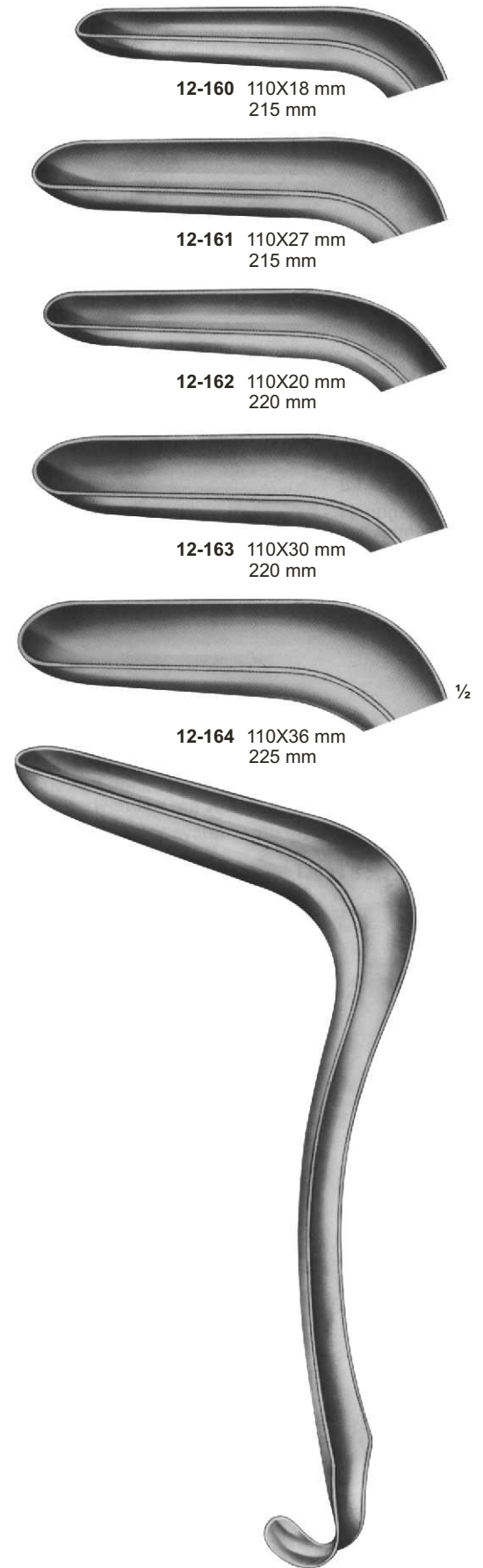
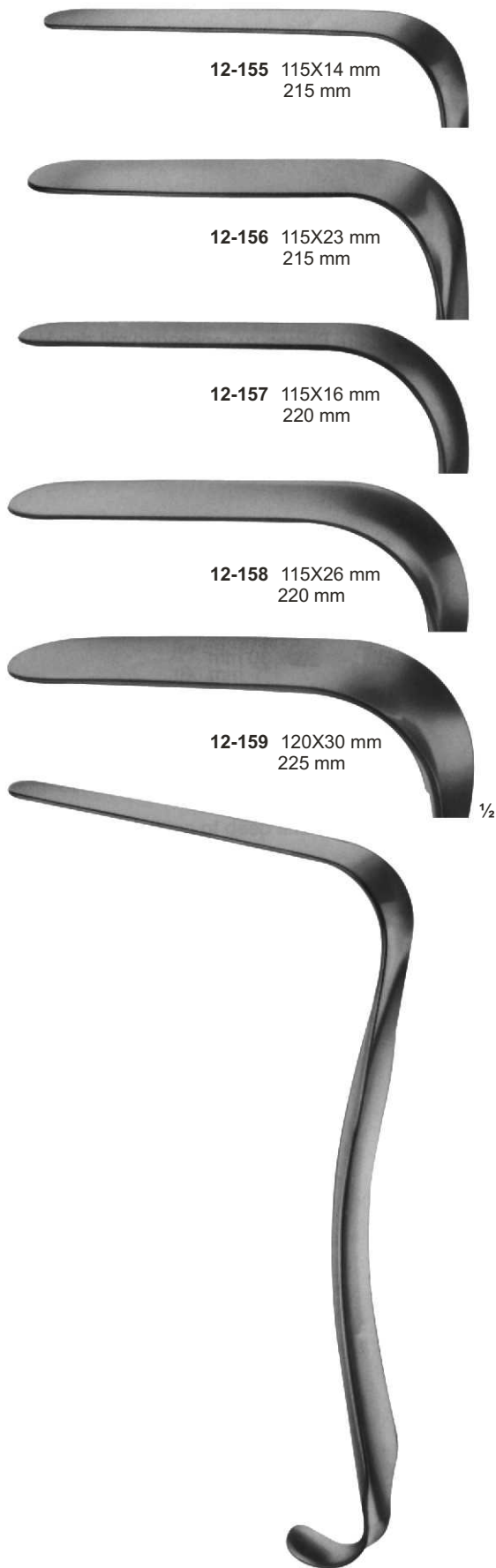


**12-142 - 146**  
KRISTELLER  
12-142 110X18 mm  
12-143 110X20 mm  
12-144 110X27 mm  
12-145 110X30 mm  
12-146 110X36 mm  
220 mm

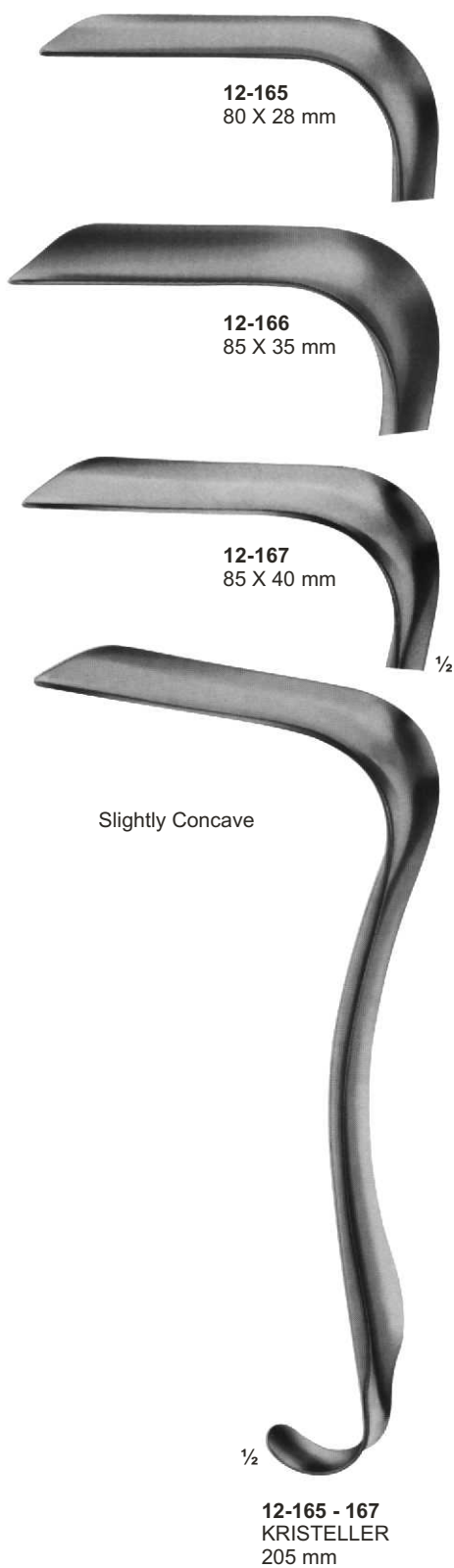
**12-147 - 150**  
KRISTELLER  
Upper blades

**12-151 - 154**  
KRISTELLER  
Lower blades

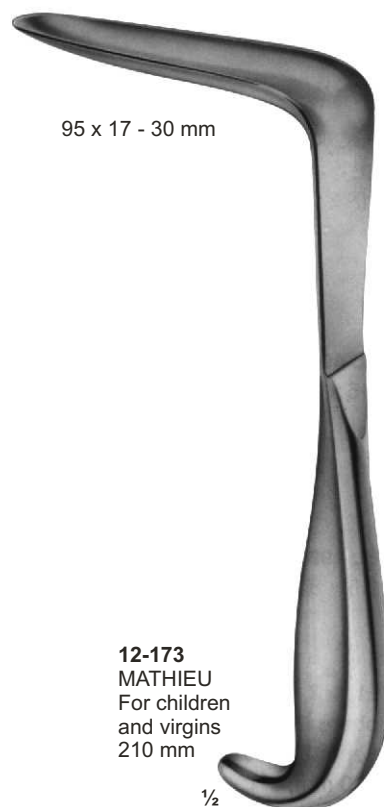
# Vaginal Specula-upper and lower blades



# Vaginal Specula



# Vaginal Specula-for children & virgins / Vario Retractor



# Vaginal Specula-for children and virgins



# Vaginal Specula / Retractors



1/2

**12-190 - 194**  
BREISKY  
WIENER MODELL/  
VIENNA PATTERN  
**12-190** 100 X 20 mm  
**12-191** 100 X 25 mm  
**12-192** 100 X 30 mm  
**12-193** 100 X 35 mm  
**12-194** 100 X 40 mm  
300 mm



1/2

**12-195 - 199**  
BREISKY  
WIENER MODELL/  
VIENNA PATTERN  
**12-195** 130 X 20 mm  
**12-196** 130 X 25 mm  
**12-197** 130 X 30 mm  
**12-198** 130 X 35 mm  
**12-199** 130 X 40 mm  
320 mm



1/2

**12-200 - 201**  
WEISSBARTH  
**12-200** 80 X 28 mm  
**12-201** 85 X 42 mm  
210 mm



1/2

**12-202**  
DOYEN  
lateral speculum  
80 x 30 mm  
250 mm



# Vaginal & Wound Retractor / Vaginal Specula



**12-203**  
SIMON  
115 X 22 mm  
275 mm



**12-204**  
AUVARD  
65 X 38 mm - 28 mm  
1,530 kg  
with fixed weight  
230 mm

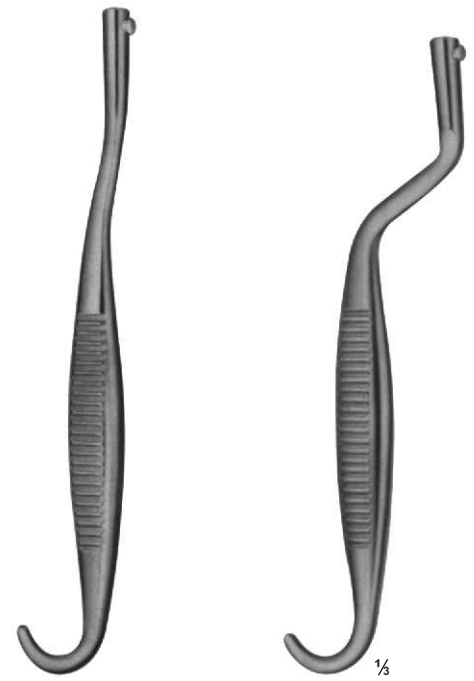
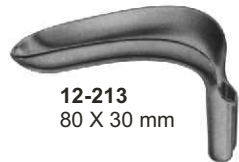
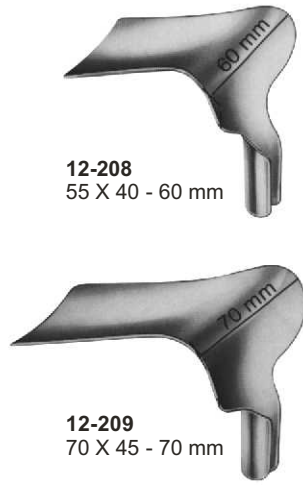


**12-205 - 206**  
AUVARD  
**12-205** 75 X 42 mm  
( 40 mm )  
**12-206** 105 X 43 mm  
( 40 mm )  
with detachable wight  
230 mm



**12-207**  
MARTIN  
with hook shaped  
handle for hanging  
in weights  
270 mm

# Vaginal Speculas



# Vaginal Retractors



1/2  
**12-221**  
JOLL (FRIEDMAN)  
155 mm



1/4  
1/2  
**12-222**  
RICHTER  
170 mm



1/4  
1/2  
**12-223**  
GELPI  
135 mm



1/4  
1/2  
**12-224**  
GELPI  
175 mm

# Uterine Dilators



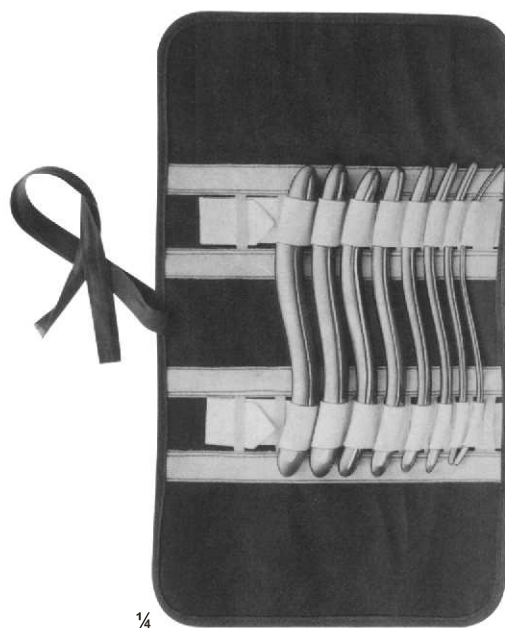
**13-101 - 143**  
HEGAR  
with very conical point  
185 mm

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



**13-144 - 152**  
HEGAR  
205 mm

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

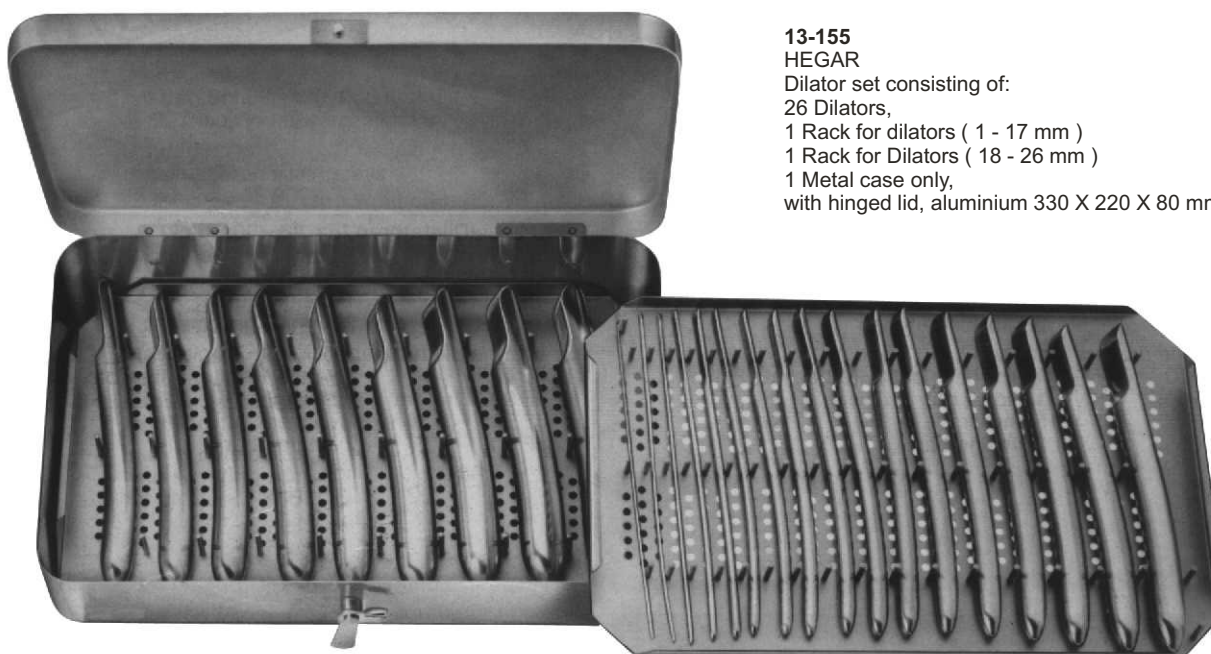


**13-153**  
HEGAR  
Uterine dilator set, in canvas  
roll with 8 dilators.

## Uterine Dilators - Complete Sets

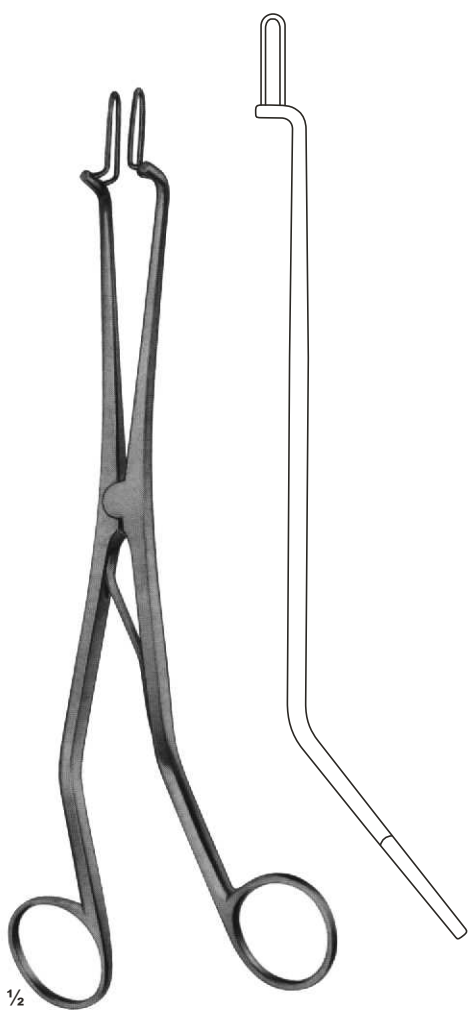


**13-154**  
HEGAR  
Dilator set consisting of:  
14 Dilators,  
1 Rack for dilators ( 4 - 12 mm )  
1 Rack for Dilators ( 13 - 17 mm )  
1 Metal case only,  
with hinged lid, stainless 200 X 100 X 35 mm

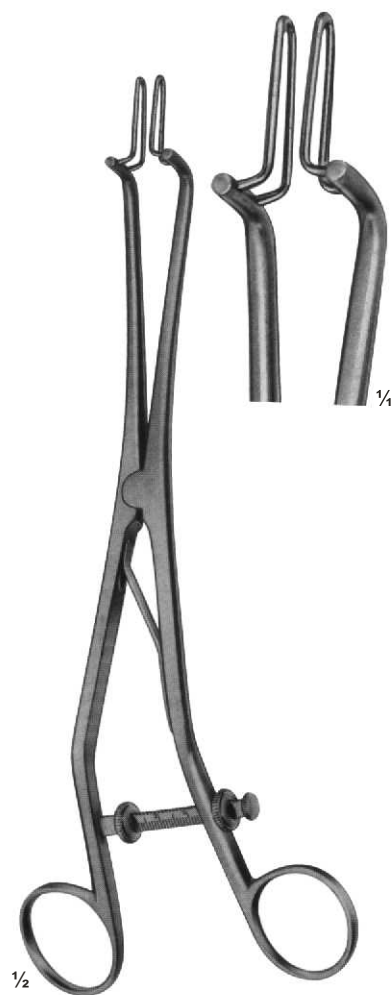


**13-155**  
HEGAR  
Dilator set consisting of:  
26 Dilators,  
1 Rack for dilators ( 1 - 17 mm )  
1 Rack for Dilators ( 18 - 26 mm )  
1 Metal case only,  
with hinged lid, aluminium 330 X 220 X 80 mm

# Endospecula For Cervix



**13-156**  
KOGAN  
Endospecula for cervix  
and urethra, without ratchet  
240 mm



**13-157**  
KOGAN  
Endospecula for cervix  
and urethra, with  
scale-ratchet and fixing screws  
240 mm



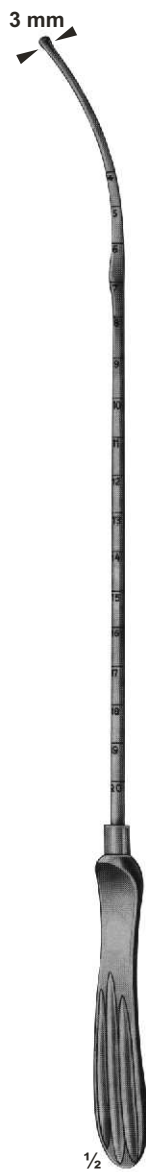
# Uterine Probes



**14-101**  
MAYO  
biegsam malleable  
330 mm



**14-102**  
SIMS  
biegsam malleable  
330 mm



**14-103**  
MARTIN  
330 mm



**14-104**  
SIMPSON  
malleable  
silver-plated  
290 mm



**14-105**  
BRAUN  
Uterine  
depressor  
270 mm



**14-106**  
Cotton  
applicator  
270 mm

# Uterine Dressing Forceps



14-107  
PELKMANN  
260 mm

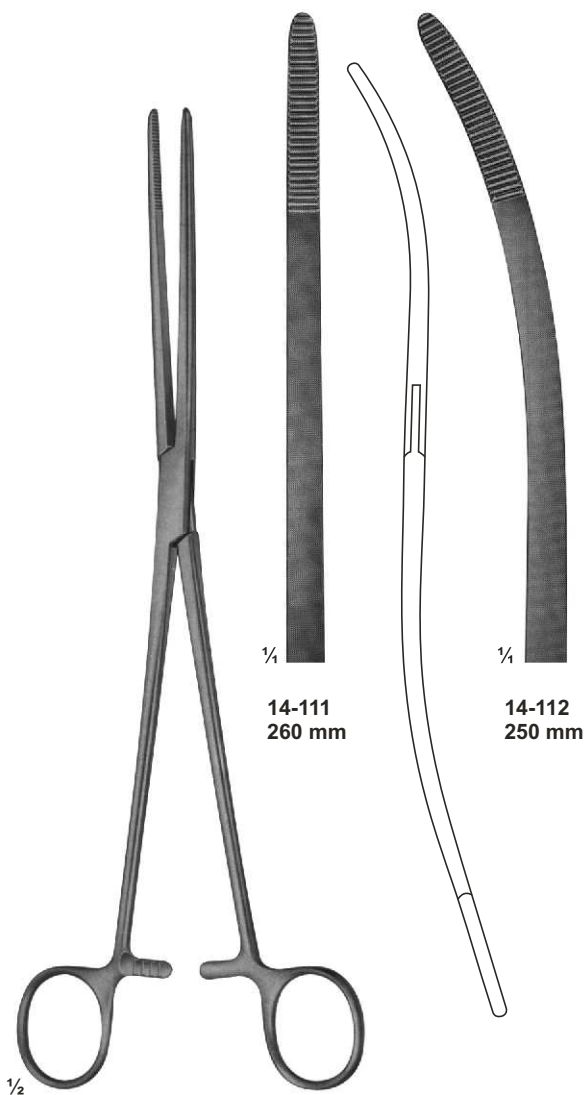
14-108  
PELKMANN  
260 mm

14-109  
BOZEMANN  
250 mm

14-110  
BOZEMANN  
255 mm

Jaws with longitudinal groove

# Uterine Dressing Forceps



14-111  
260 mm

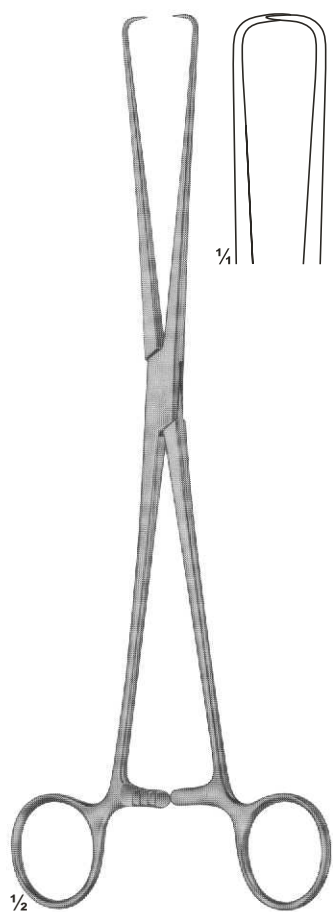
14-112  
250 mm

14-111 - 112  
BOZEMANN



14-113  
BOZEMANN-DOUGLAS  
260 mm

# Uterine Tenaculum Forceps



**14-114**  
BRAUN  
slender type  
250 mm

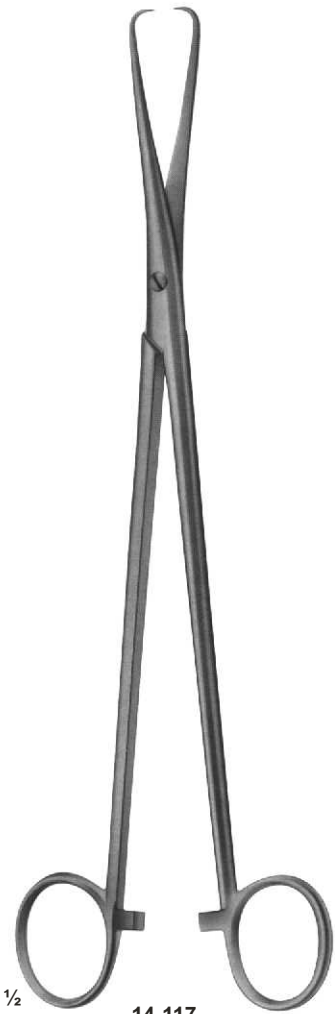


**14-115**  
SCHRODER  
250 mm

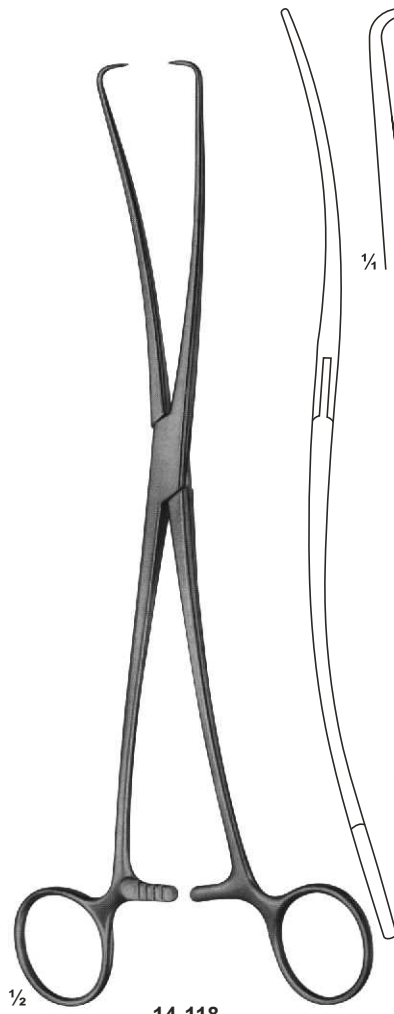


**14-116**  
POZZI  
heavy type  
255 mm

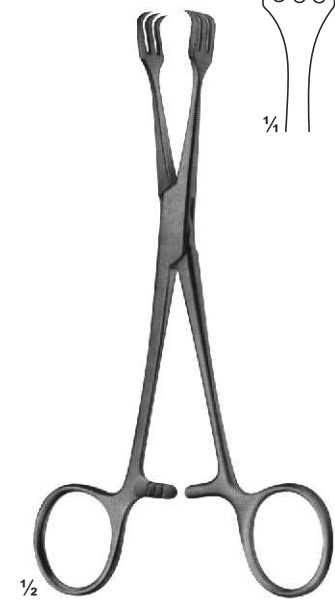
# Uterine Tenaculum Forceps



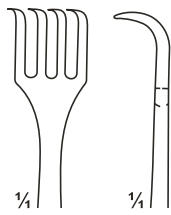
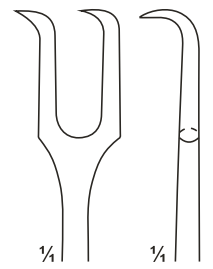
**14-117**  
265 mm



**14-118**  
DUPLAY  
250 mm



**14-119**  
LAHEY  
155 mm



**14-120**  
straight



**14-121**  
curved  
on flat

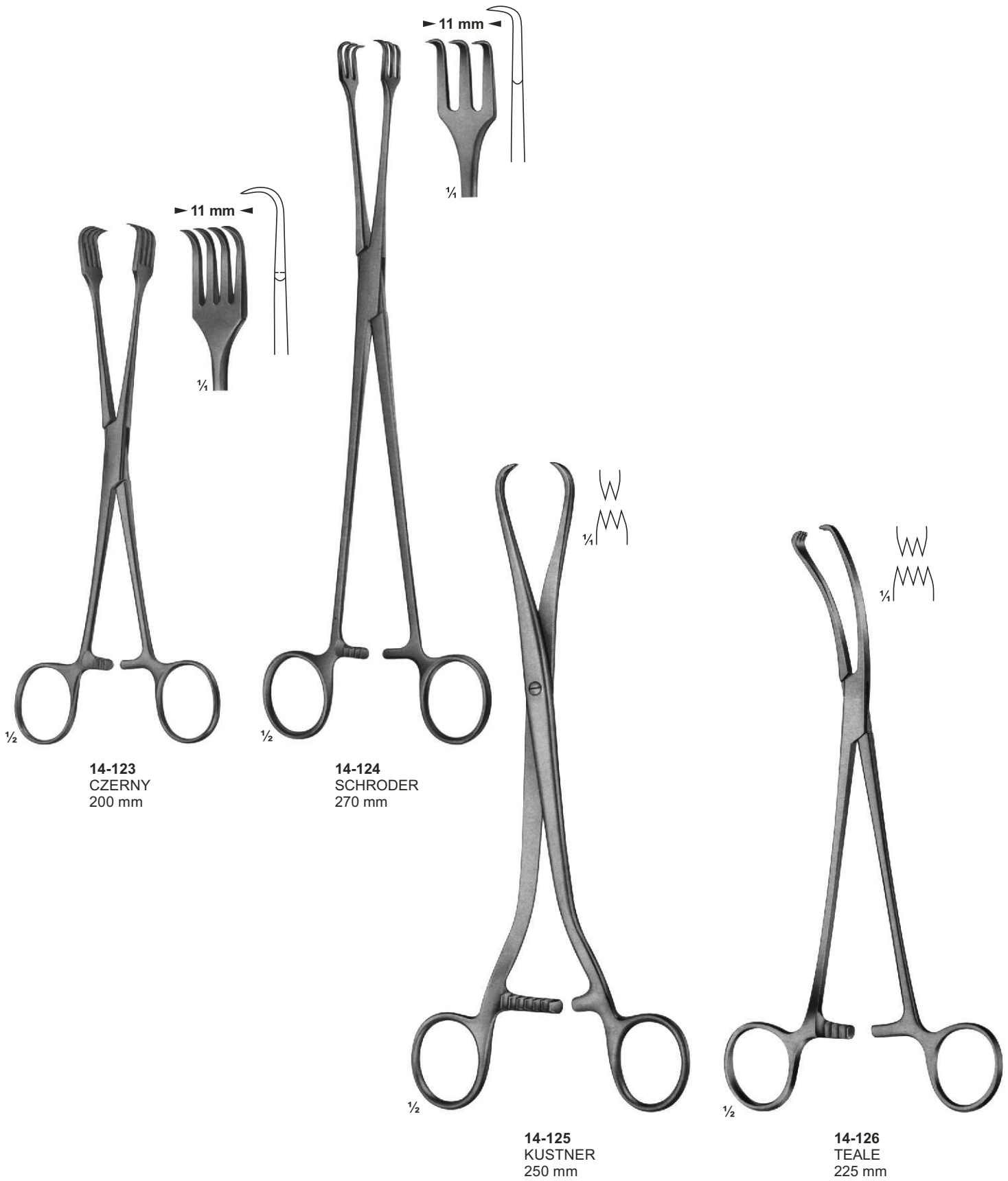


**14-122**  
curved  
sideways



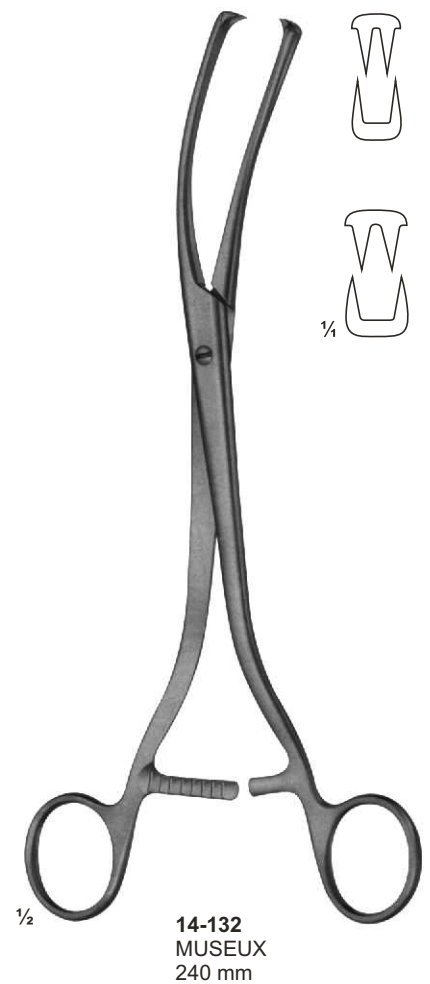
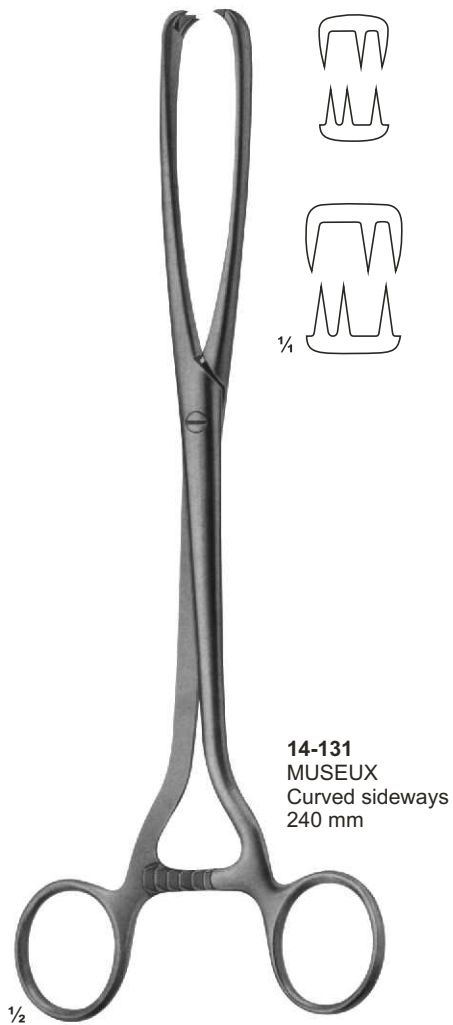
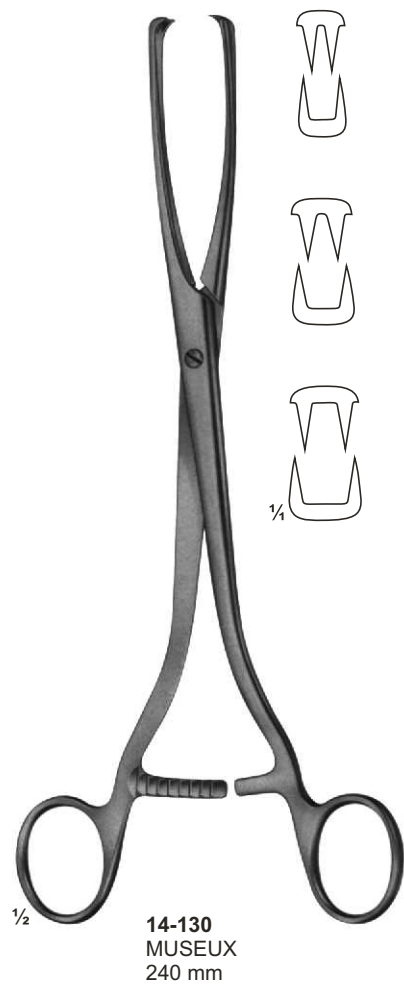
**14-120 - 122**  
SCHRODER  
250 mm

# Uterine Tenaculum Forceps

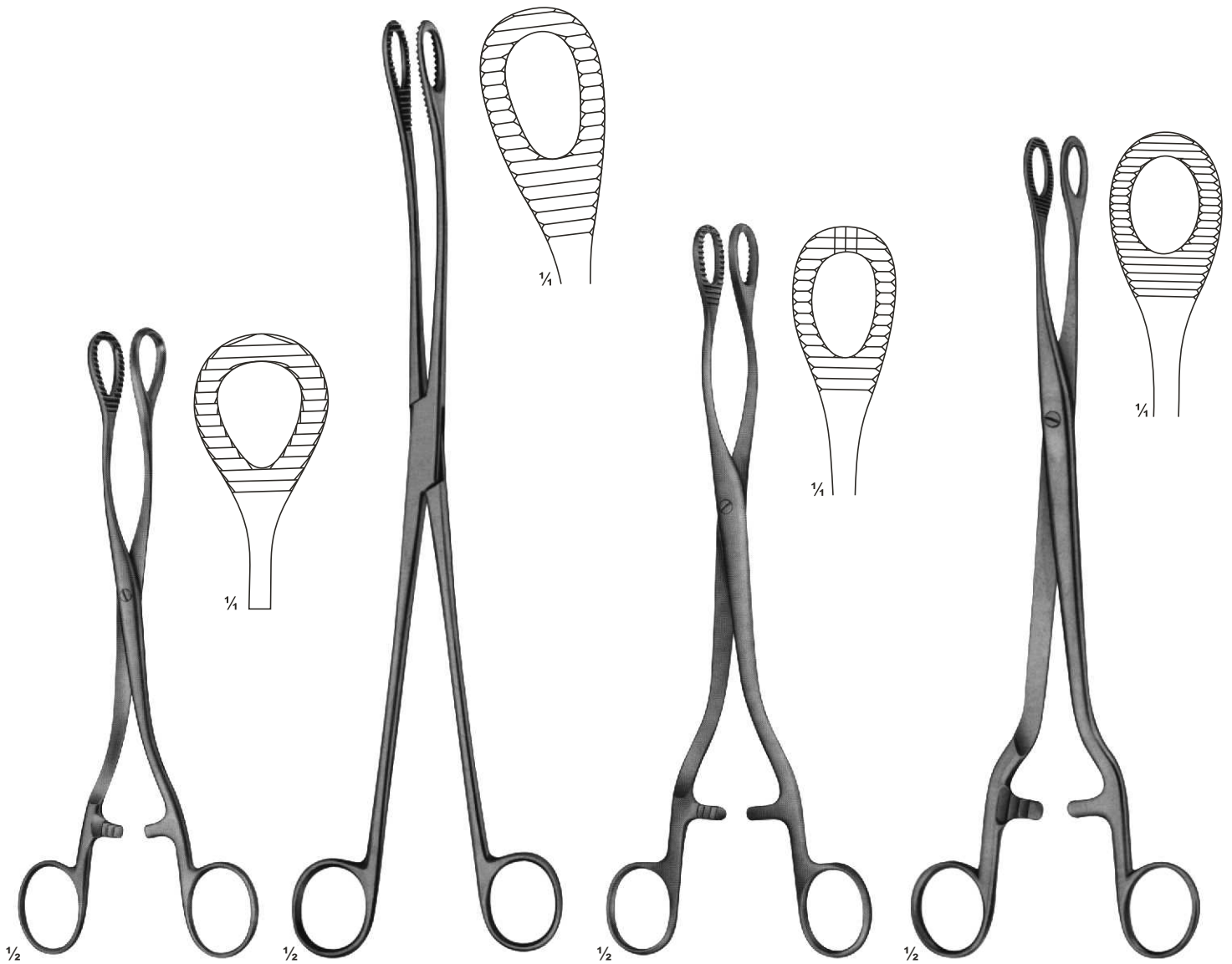




# Uterine Tenaculum Forceps



# Polypus-and Ovum Forceps



14-133  
HEYWOOD-SMITH  
200 mm

14-134  
KELLY  
320 mm

14-135  
HEYWOOD-SMITH  
250 mm

14-136  
NOTO  
280 mm

# Polypus and Ovum Forceps

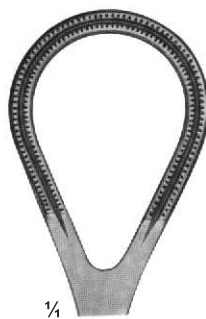


¼



¼

14-138



¼

14-139



¼



½

14-137  
DOYEN  
185 mm



½

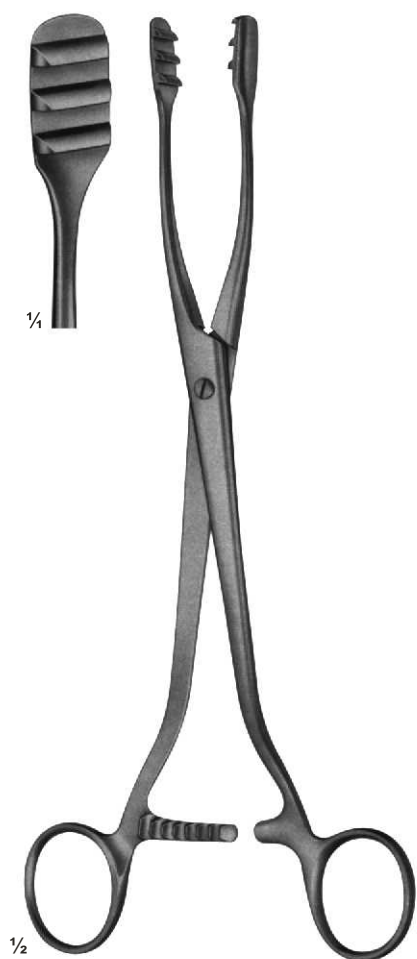
14-138 - 139  
250 mm 270 mm



½

14-140  
BUMM  
280 mm

## Uterine Elevating Forceps



**14-141**  
COLLIN  
250 mm



**14-142**  
COLLIN  
285 mm



**14-143**  
DARTIGUES  
255 mm

## Uterine Elevating Forceps



**14-144**  
**SOMMER**  
235 mm



**14-145**  
**STRASSMANN**  
260 mm

# Uterine Elevating Forceps

With movable jaws



1/2

14-146  
COLLIN  
265 mm

With movable jaws



1/2

14-147  
260 mm



# Myoma Instruments



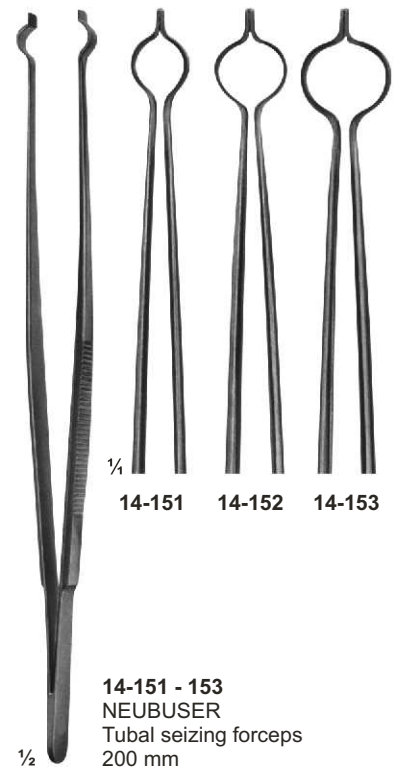
**14-148**  
SEGOND  
Myomatome  
270 mm



**14-149**  
DOYEN  
Myoma screw  
150 mm

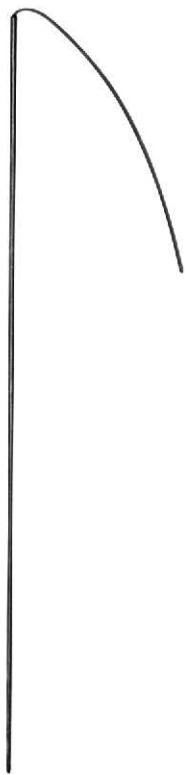


**14-150**  
DOYEN  
Myoma screw  
190 mm



**14-151**   **14-152**   **14-153**

**14-151 - 153**  
NEUBUSER  
Tubal seizing forceps  
200 mm



**14-154**  
Splint guide  
with thread



**14-155**  
Splint guide with  
round handle  
180 mm

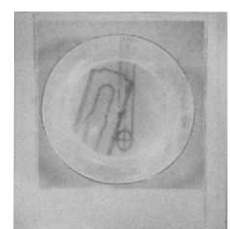


**14-156**  
Angled glass rods  
Set . 3 pieces

145 X 100 X 1.5 mm

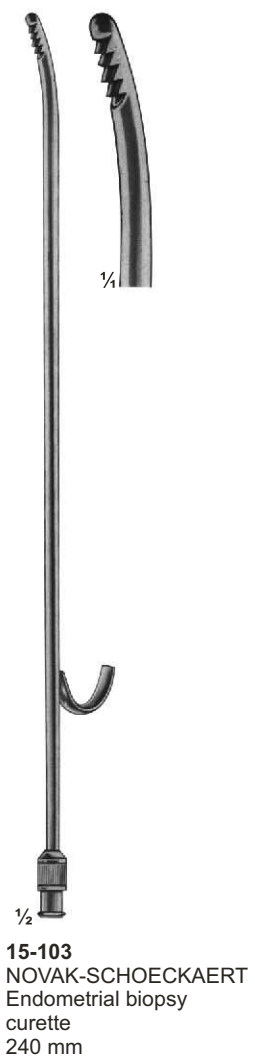
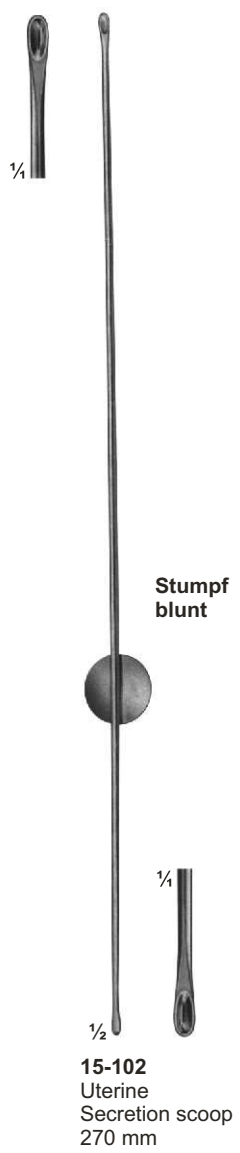
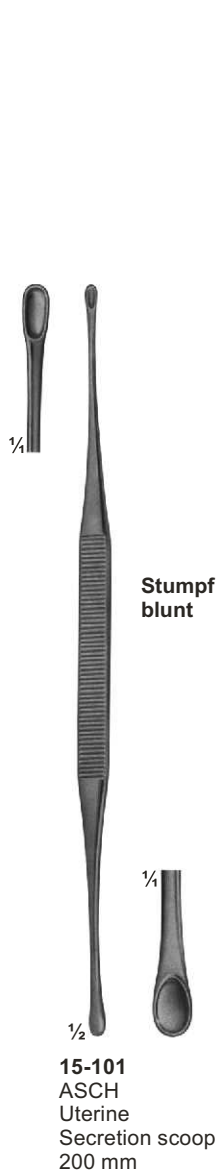


**14-157**  
Silicon operating pad  
pre-cut

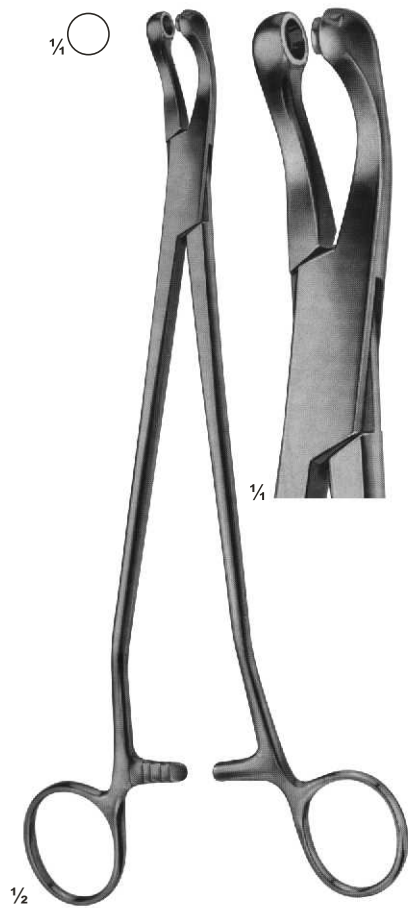


**14-158**  
Polyethylene splint material  
soft-sterile  
0.45 mm

# Biopsy Curettes



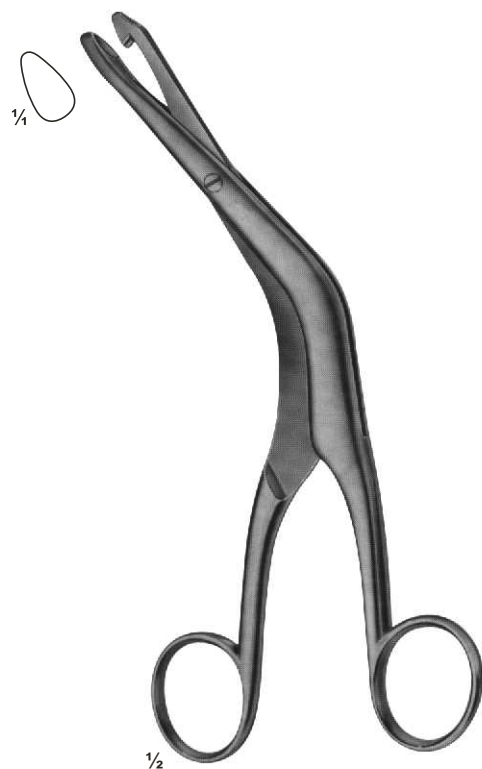
# Biopsy Forceps



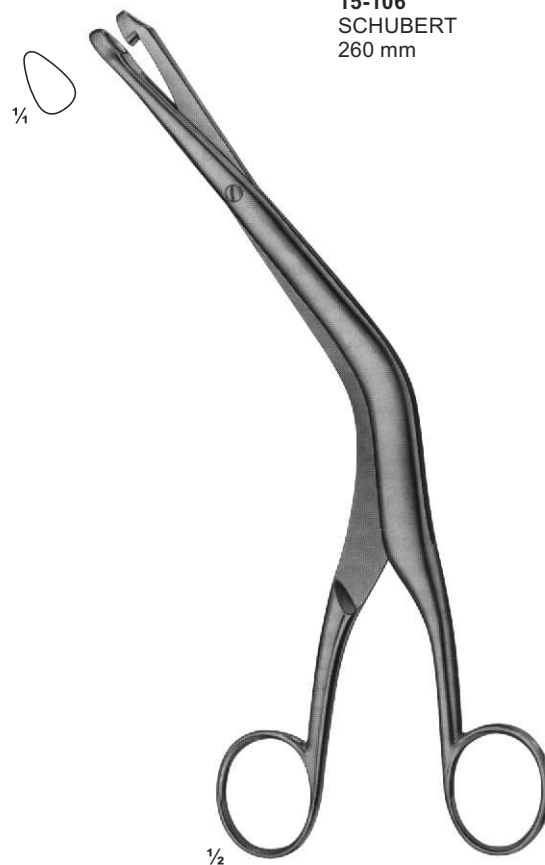
**15-105**  
THOMS-GAYLOR  
240 mm



**15-106**  
SCHUBERT  
260 mm



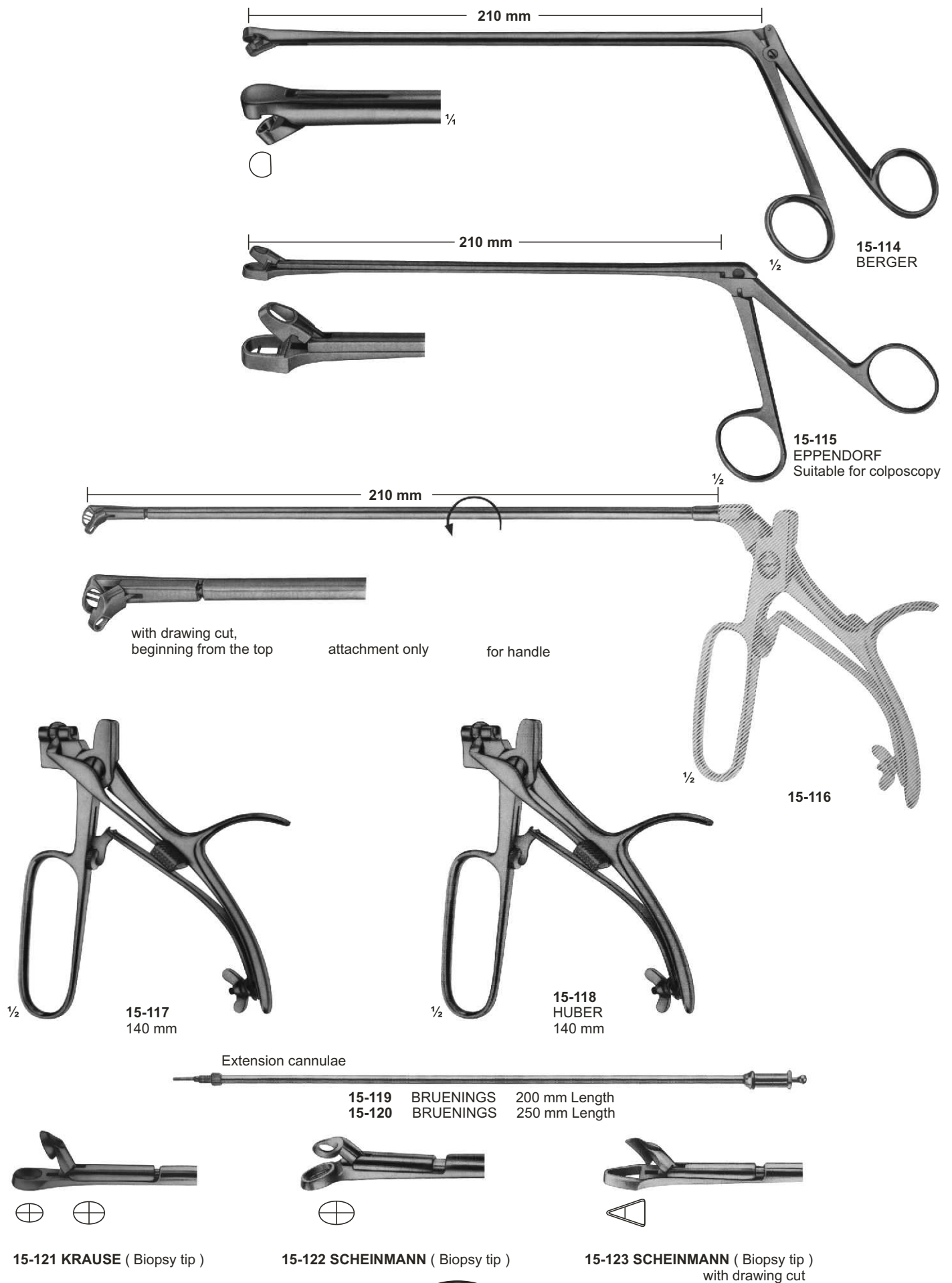
**15-107**  
FAURE  
210 mm



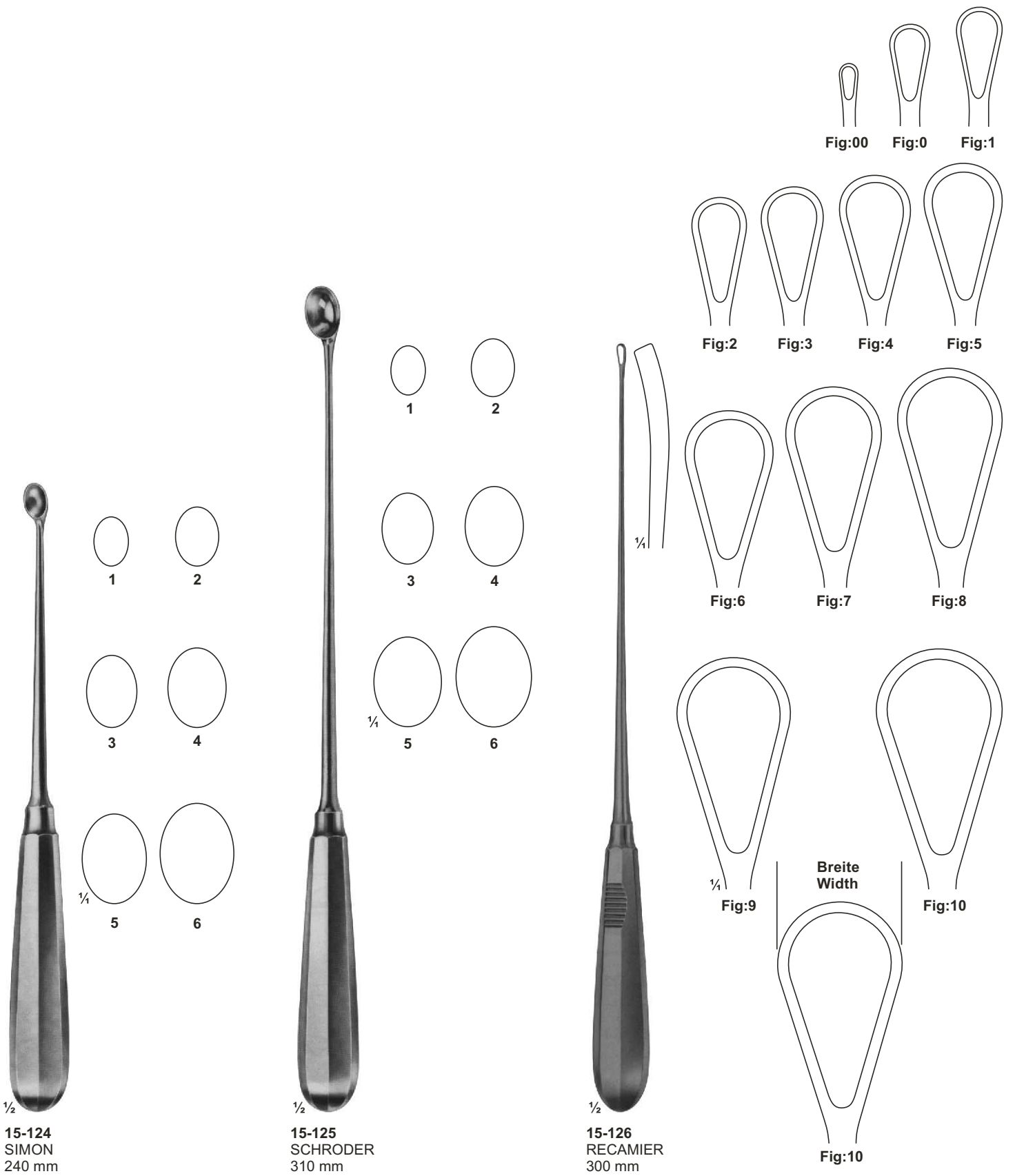
**15-108**  
FAURE  
240 mm



# Biopsy Forceps



# Uterine Scoops



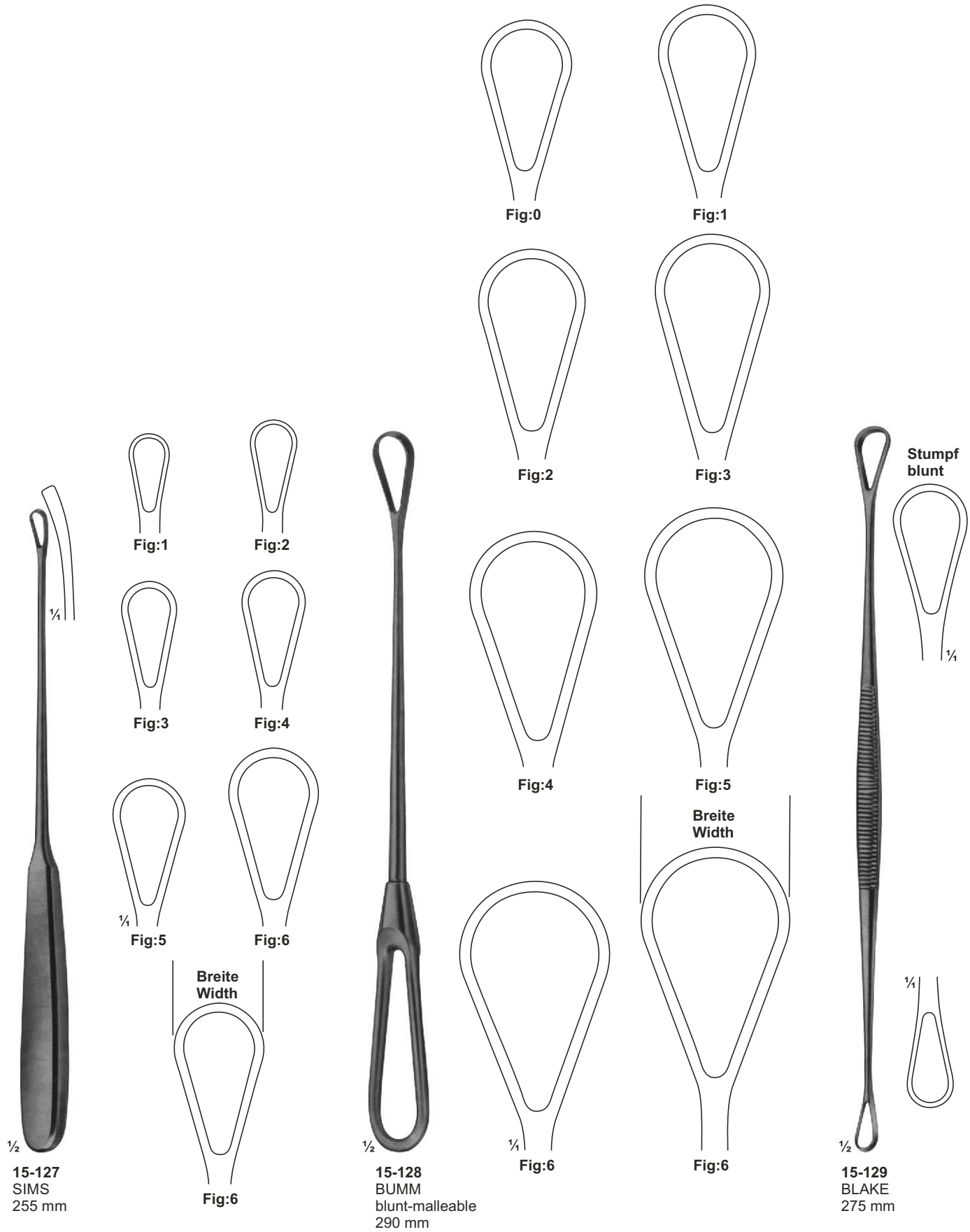
1/2  
15-124  
SIMON  
240 mm

1/2  
15-125  
SCHRODER  
310 mm

1/2  
15-126  
RECAMIER  
300 mm



# Uterine Curettes



# Placenta-and Ovum Curettes



**15-130**  
COLLIN  
300 mm



**15-131**  
RECAMIER  
blunt-rigid  
360 mm

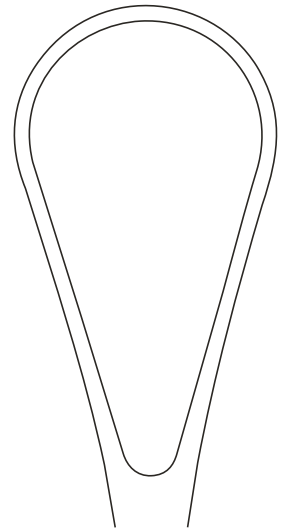
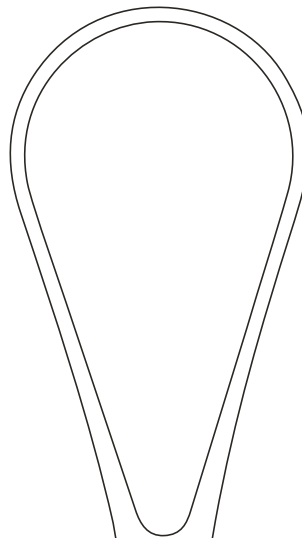


Fig:1



1/4

Fig:2



**15-132**  
BUMM  
310 mm

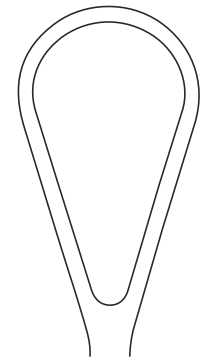


Fig:1

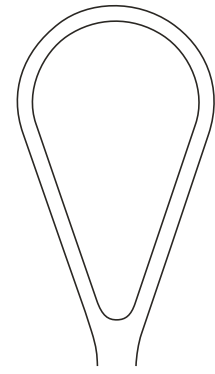
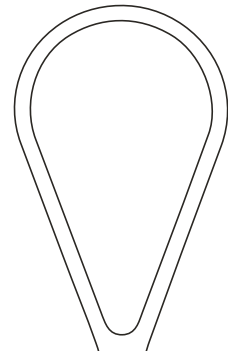


Fig:2



1/4

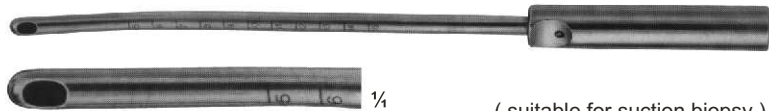
Fig:3

# Vacuum Currettes

## 15-133 - 138

Suction currettes, stainless steel, fitting hose connection.

Working tips are smoothly rounded of, therefore no danger of perforation.



( suitable for suction biopsy )

15-133: diam 4 mm

15-134: diam 6 mm

15-135: diam 8 mm

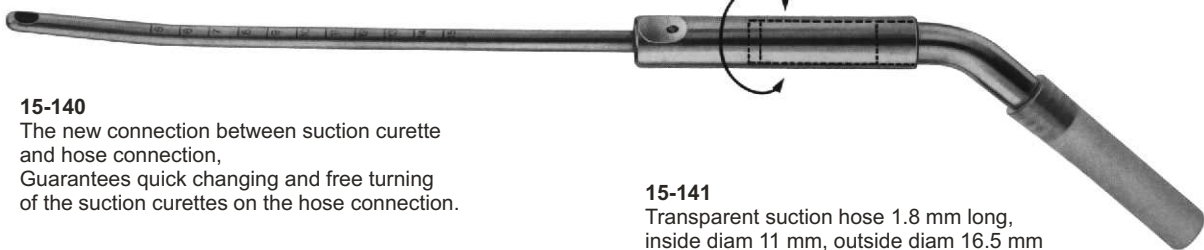
15-136: diam 10 mm

15-137: diam 12 mm

15-138: diam 14 mm

## 15-139

Hose connection inside diam. 11 mm curved stainless steel.



## 15-140

The new connection between suction curette and hose connection, Guarantees quick changing and free turning of the suction currettes on the hose connection.

## 15-141

Transparent suction hose 1.8 m long, inside diam 11 mm, outside diam 16.5 mm can be sterilized in an autoclave at 1 bar overpressure ( 120 C )



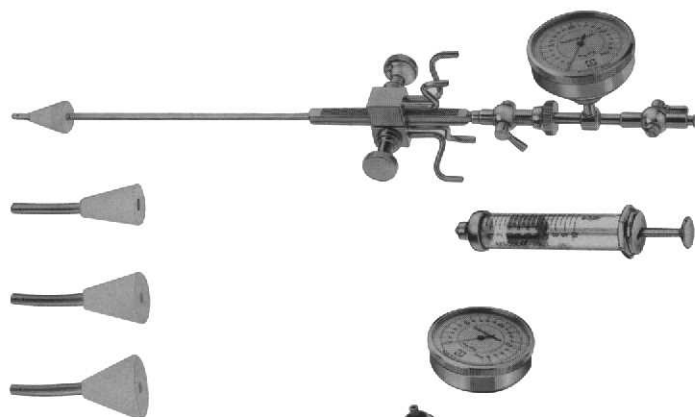
## 15-142

Strainer for tissues, plastic, for single use only, to be used for histopathological examination.

# Gynaecological Instruments



15-143 diam 8 mm  
15-144 diam 10 mm  
BOZEMANN-FRITSCH  
Uterine Flushing Tube  
350 mm



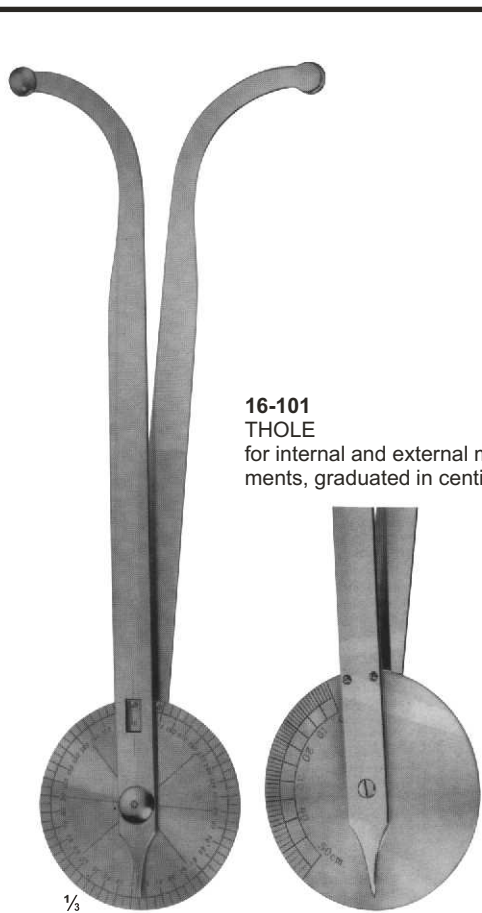
15-145  
SCHULZE  
Salpingograph, for utero-salpingography  
in wooden case, consisting of:  
Manometer, Connection, Uterine canulla  
with tap, Cone S.M.L.,  
Record Syringe 10 cc, Luer lock mount.



15-146  
SCHULZE  
Salpingograph, equipment  
without manometer.



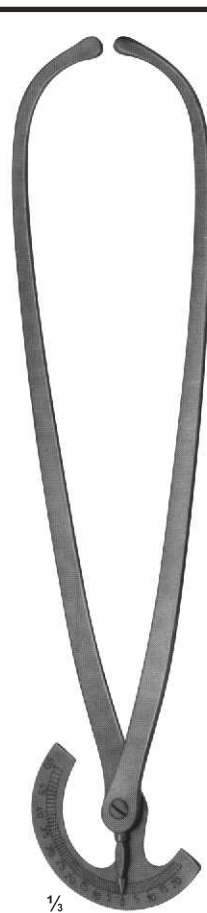
# Obstetrics-Pelvimeters



**16-101**  
**THOLE**  
for internal and external measurements, graduated in centimeters



**16-102**  
**DE LEE**  
graduated in centimeters and inches



**16-103**  
**COLLIN**  
graduated in centimeters



**16-104**  
**MARTIN**  
graduated in centimeters



1/3



for internal measurements between symphysis and promontory

**16-105**  
**COLLIN**  
graduated in centimeters

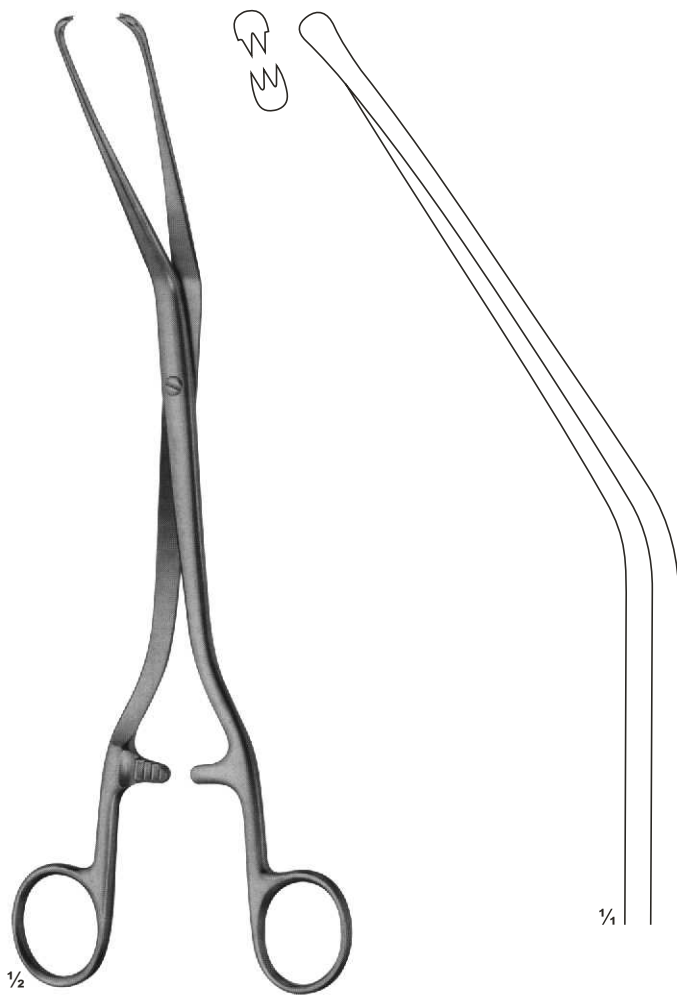
The additional straight arm can be replaced. The pelvimeter with straight arm is used for localisation of the portio vaginalis uteri and of vaginal metastasis.



1/3

**16-106**  
**BREISKY**  
graduated in centimeters

# Obstetrics-Pelvimeters



**16-107**  
HERFF  
puncturing forceps  
225 mm



**16-108**  
IOWA  
puncturing forceps  
260 mm



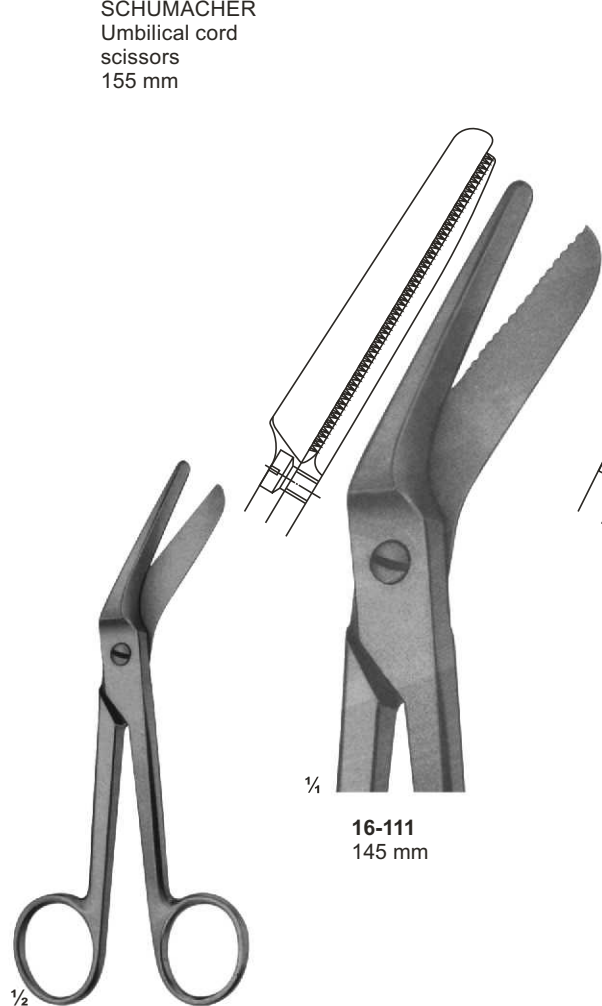
# Scissors of Obstetrics, Umbilical cord clamp



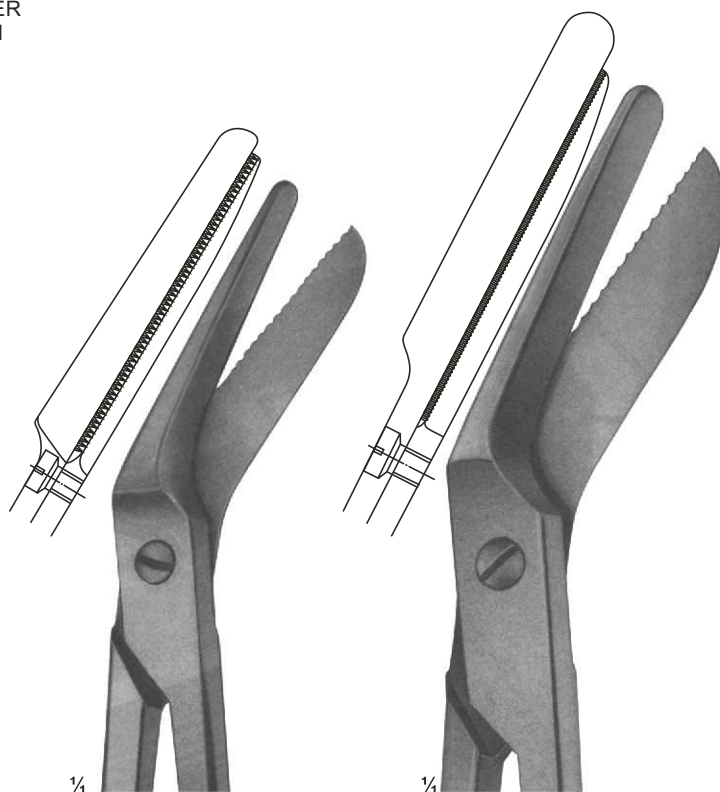
**16-109**  
SCHUMACHER  
Umbilical cord  
scissors  
155 mm



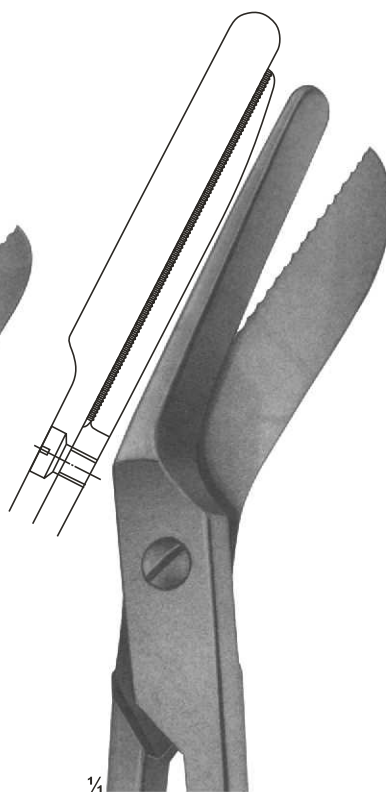
**16-110**  
Umbilical cord  
scissors  
105 mm



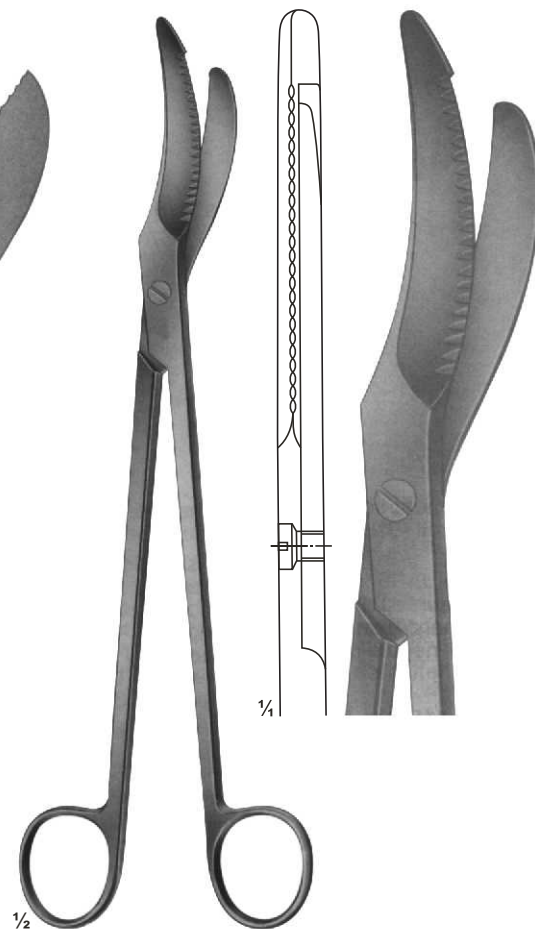
**16-111 - 112**  
BRAUN-STADLER  
Episiotomy Scissors



**16-111**  
145 mm



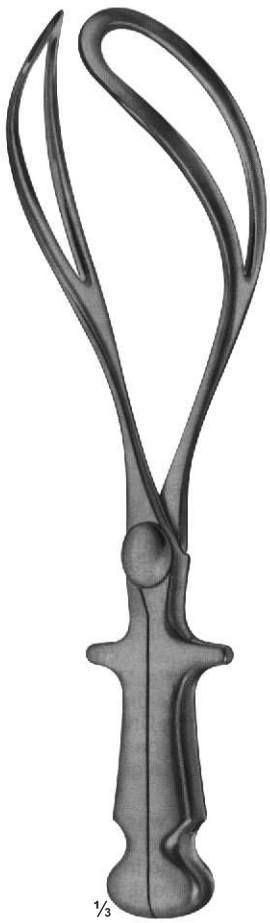
**16-112**  
200 mm



**16-113**  
Episiotomy Scissors  
240 mm

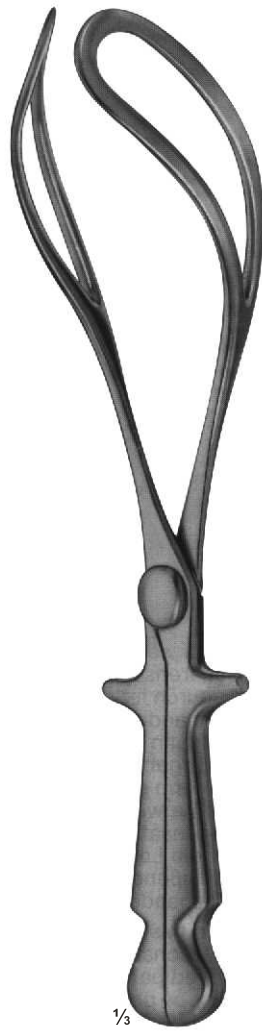
# Obstetrics Forceps

---



1/3

**16-114**  
355 mm



1/3

**16-115**  
400 mm



1/3

**16-116**  
SIMPSON-BRAUN  
305mm

# Obstetrics Forceps

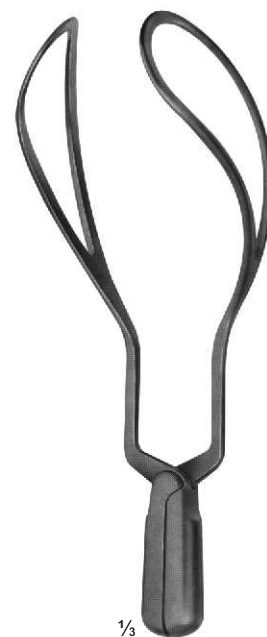
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**16-117**  
SIMPSON-BRAUN  
305mm

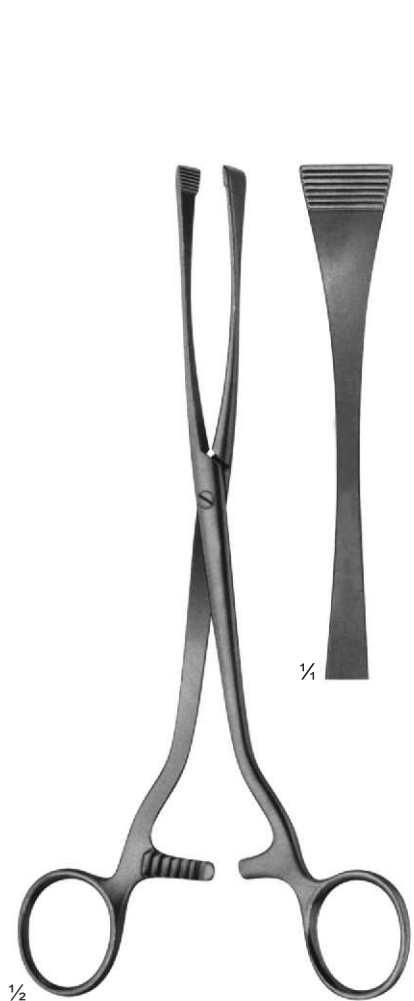


**16-118**  
SIMPSON  
235mm



**16-119**  
WRIGLEY  
250 mm

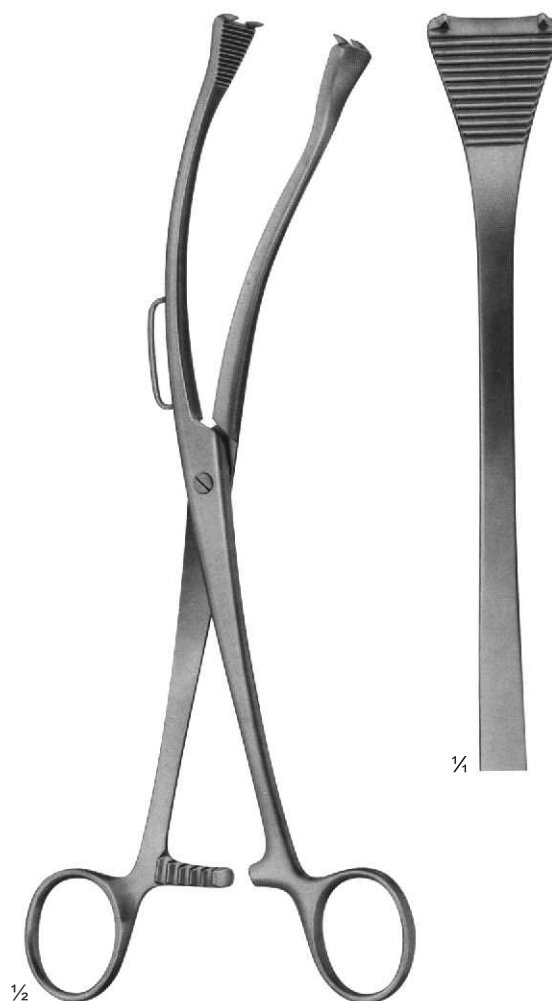
# Obstetrics Forceps



**16-120**  
**GREEN-ARMYTAGE**  
 Caesarean section haemostatic  
 forceps, for edges of the transverse  
 incision in the lower segment  
 220 mm

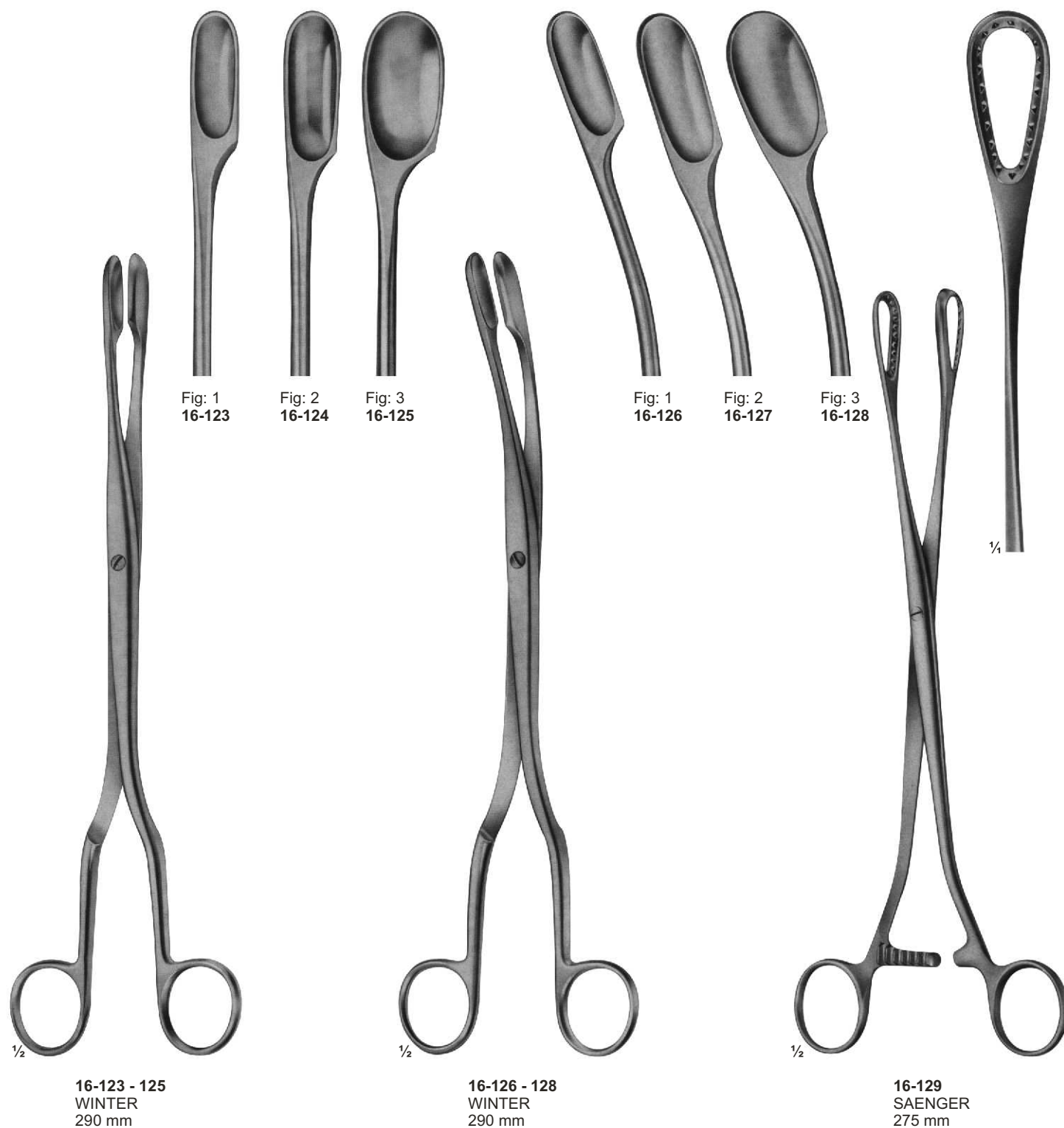


**16-121**  
**WILLETT**  
 Scalpel Flap forceps  
 185 mm

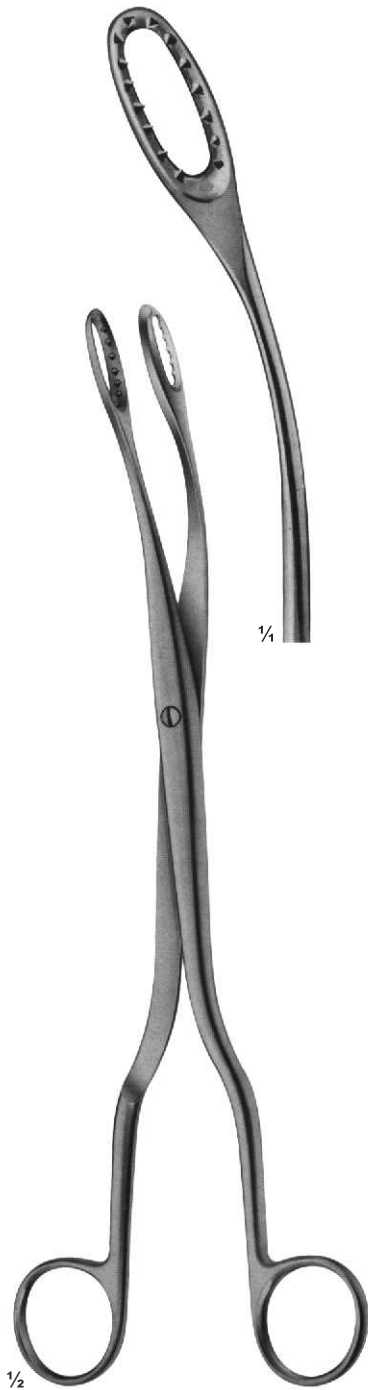


**16-122**  
**GAUSS**  
 Scalpel Flap forceps  
 260 mm

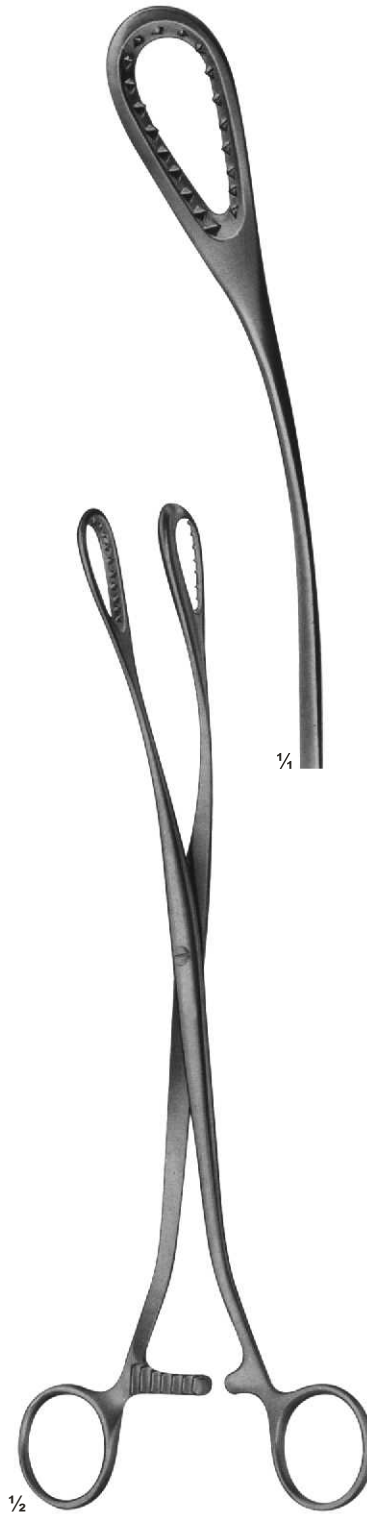
# Obstetrics-Placenta and Ovum Forceps



# Obstetrics-Placenta and Ovum Forceps



**16-130**  
SAENGER  
285 mm

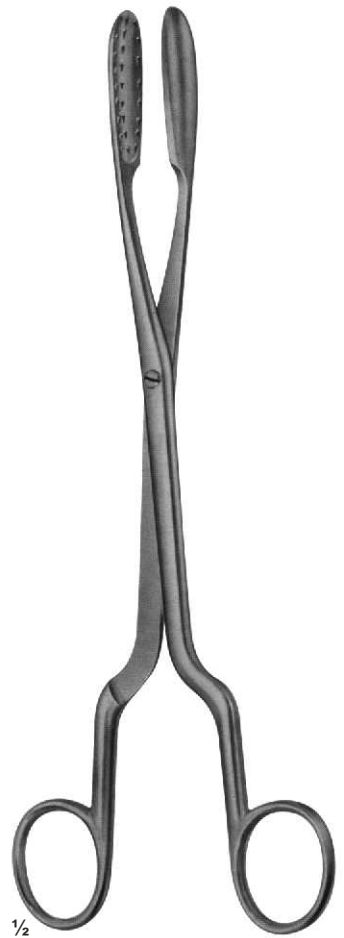


**16-131**  
SAENGER  
285 mm



**16-132**

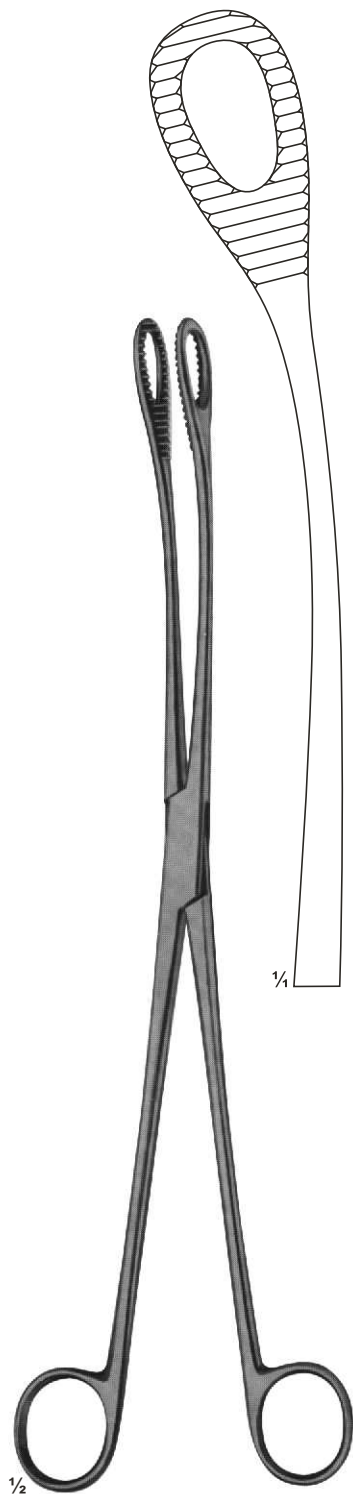
**16-133**



**16-132 - 133**  
LEWKOWIZ  
245 mm



# Obstetrics-Placenta, Ovum and Cranioclast, Basiotribe Forceps



**16-134**  
KELLY  
320mm



**16-135**  
SMELLIE  
Perforator  
270mm



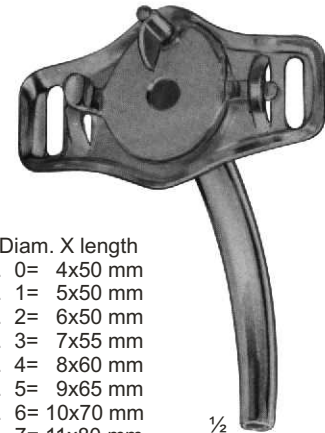
**16-136**  
BRAUN  
Cranioclast  
420mm

# Tracheal Tubes with inner tubes



½

**16-137**  
**UECKERMANN-DENKER**  
 Cryothyrotomy trocar  
 with silver cannula  
 130mm



½

- Diam. X length
- 16-138** Fig. 0= 4x50 mm
  - 16-139** Fig. 1= 5x50 mm
  - 16-140** Fig. 2= 6x50 mm
  - 16-141** Fig. 3= 7x55 mm
  - 16-142** Fig. 4= 8x60 mm
  - 16-143** Fig. 5= 9x65 mm
  - 16-144** Fig. 6= 10x70 mm
  - 16-145** Fig. 7= 11x80 mm
  - 16-146** Fig. 8= 12x85 mm
  - 16-147** Fig. 9= 13x90 mm
  - 16-148** Fig. 10=14x90 mm

**16-138 - 148**  
**LUER**  
 German silver



½

**16-149 - 158**  
**JACKSON**  
 German Silver

- Diam. X length
- 16-149** Fig. 0= 4x50 mm
  - 16-150** Fig. 1= 5x58 mm
  - 16-151** Fig. 2= 6x58 mm
  - 16-152** Fig. 3= 7x70 mm
  - 16-153** Fig. 4= 8x78 mm
  - 16-154** Fig. 5= 9x84 mm
  - 16-155** Fig. 6= 10x84 mm
  - 16-156** Fig. 7= 11x86 mm
  - 16-157** Fig. 8= 12x88 mm
  - 16-158** Fig. 9= 13x90 mm



½

- Diam. X length
- 16-159** Fig. 1= 5x48 mm
  - 16-160** Fig. 2= 6x58 mm
  - 16-161** Fig. 3= 7x70 mm
  - 16-162** Fig. 4= 8x78 mm
  - 16-163** Fig. 5= 9x84 mm
  - 16-164** Fig. 6= 10x84 mm
  - 16-165** Fig. 7= 11x86 mm
  - 16-166** Fig. 8= 12x88 mm
  - 16-167** Fig. 9= 13x90 mm
  - 16-168** Fig.10= 14x90 mm

**16-159 - 168**  
**JACKSON**  
 German Silver

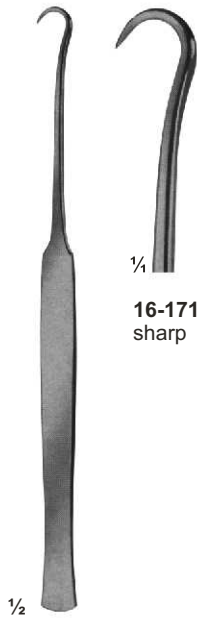
# Tound-and Tracheal Hooks and Dilators



**16-169**  
BOSE  
165 mm



**16-170**  
BOSE  
165 mm

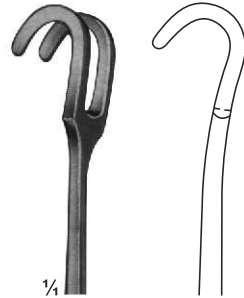


**16-171 - 173**  
180 mm

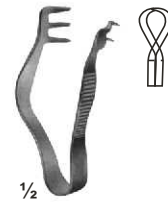
**16-171**  
sharp



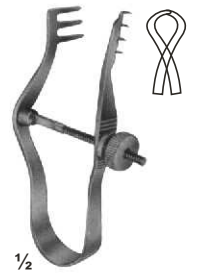
**16-172**  
blunt



**16-173**  
stumpf/blunt



**16-174**  
FINSEN  
50 mm



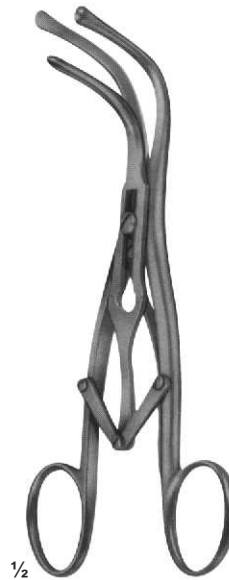
**16-175**  
FINSEN  
70 mm



**16-176**  
TROUSSEAU  
120 mm



**16-177**  
LABORDE  
125 mm

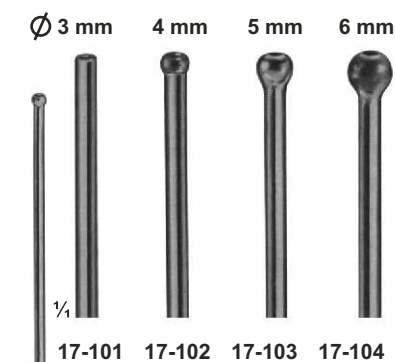


**16-178**  
LABORDE  
strong pattern  
135 mm

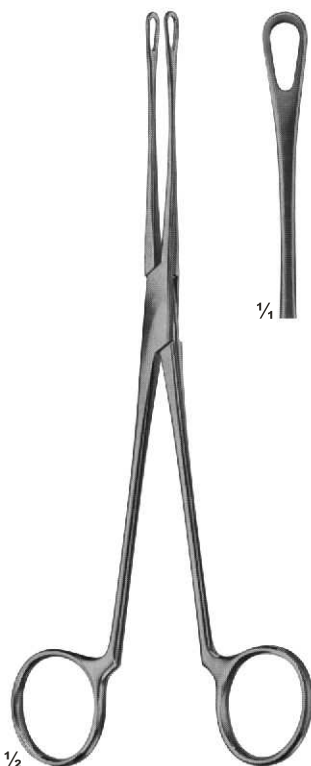


**16-179**  
Cleaning Brush  
for tracheal tubes  
285 mm

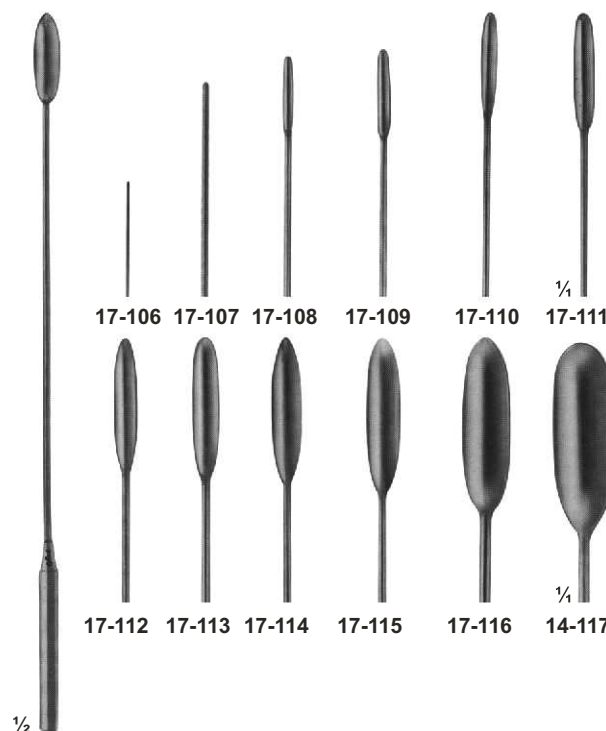
# Irrigating Cannulae, Embolus Grasping Forceps, Dilators



**17-101 - 104**  
**SCHMID**  
 Vessel irrigating cannulae,  
 malleable, silver plated  
 150 mm



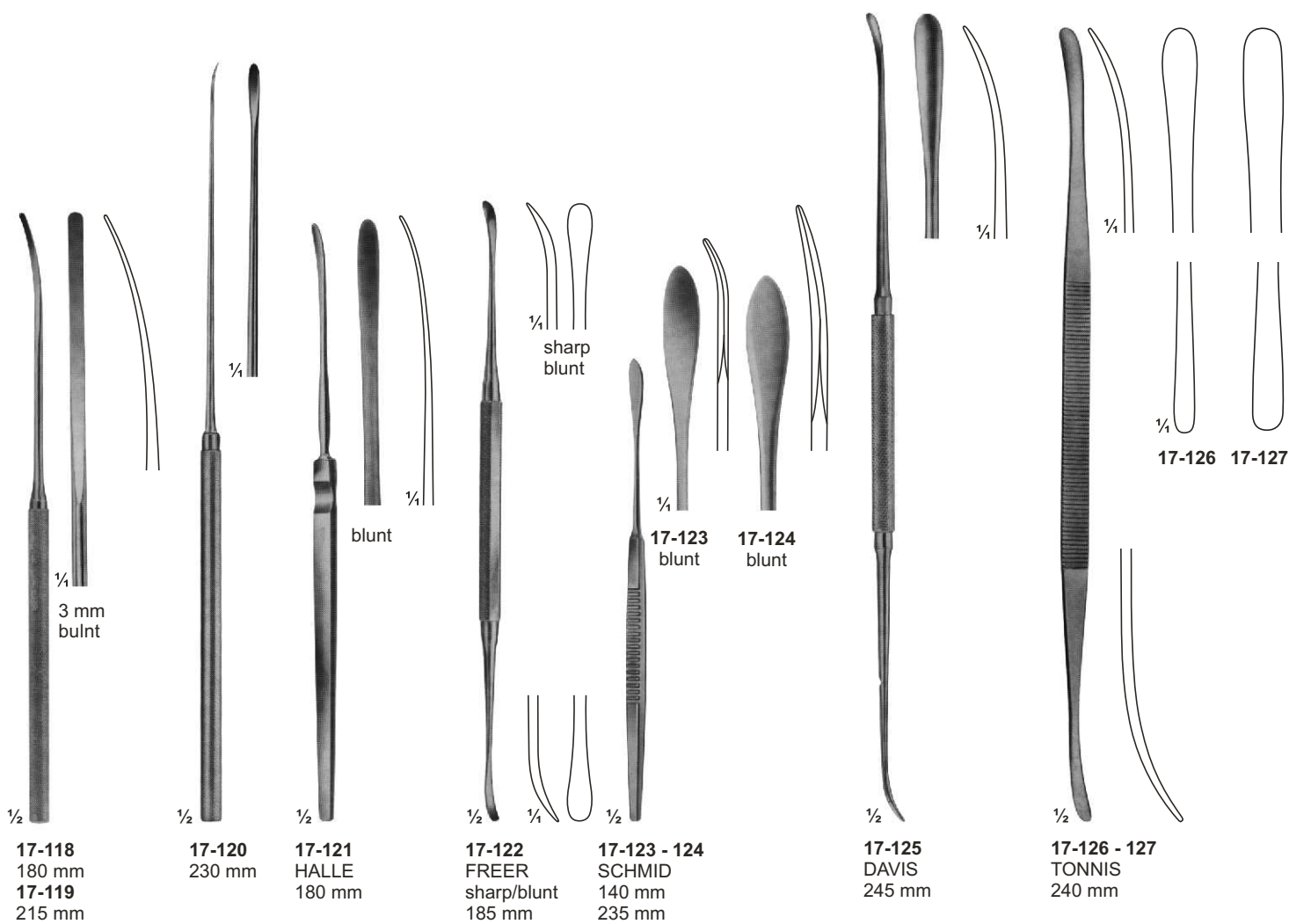
**17-105**  
**BLAKE**  
 Embolus grasping  
 forceps  
 205 mm



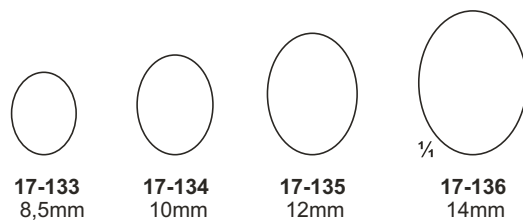
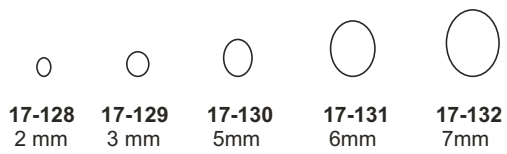
**17-106 - 117**  
**DE BAKEY**  
 Vascular dilators,  
 malleable  
 190 mm

<b>17-106</b> 0,5 mm Ø	<b>17-112</b> 3,5 mm Ø
<b>17-107</b> 1,0 mm Ø	<b>17-113</b> 4,0 mm Ø
<b>17-108</b> 1,5 mm Ø	<b>17-114</b> 4,5 mm Ø
<b>17-109</b> 2,0 mm Ø	<b>17-115</b> 5,0 mm Ø
<b>17-110</b> 2,5 mm Ø	<b>17-116</b> 7,0 mm Ø
<b>17-111</b> 3,0 mm Ø	<b>17-117</b> 9,0 mm Ø

# Irrigating Cannulae, Embolus Grasping Forceps, Dilators



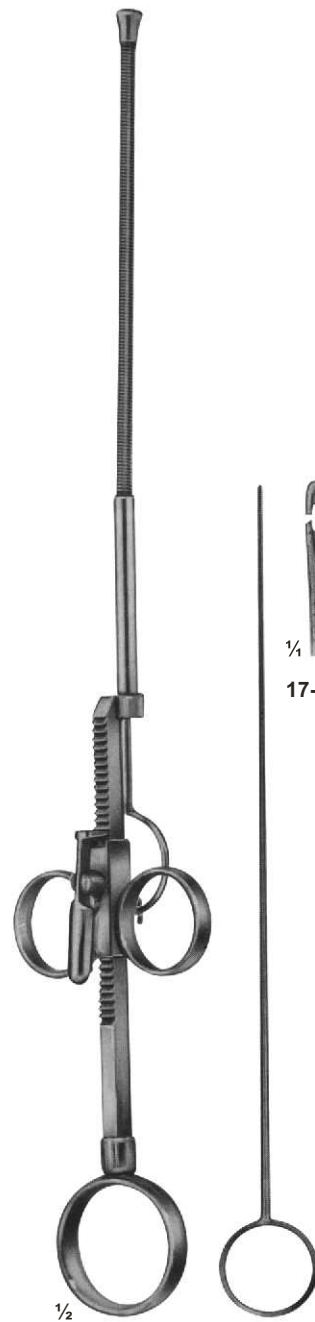
# Irrigating Cannulae, Embolus Grasping Forceps, Dilators



**17-128 - 136**  
Endarterectomy strippers  
550 mm



**17-137**  
Handle for  
110 mm



**17-138 - 139**  
RUMEL-BELBONT  
325 mm  
17-138 - 4,0 mm Ø  
17-139 - 6,4 mm Ø



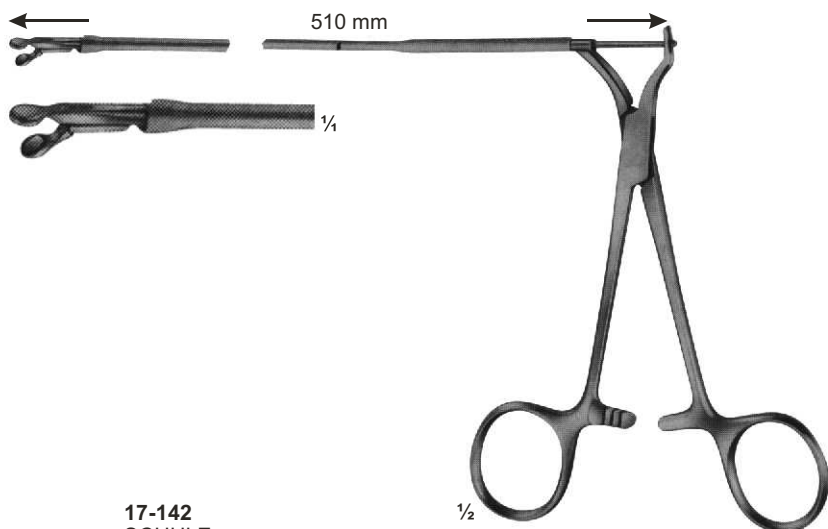
**17-140 17-141**



**17-140 - 141**  
Guide only

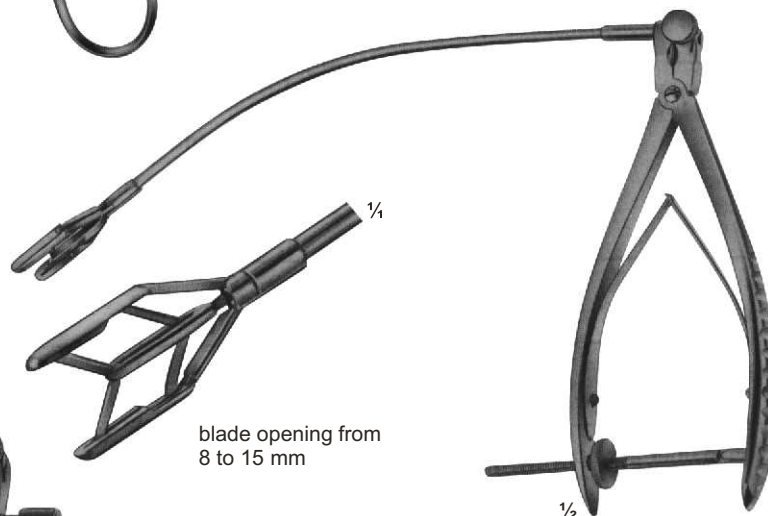


# Biopotome and Aortic Dilators

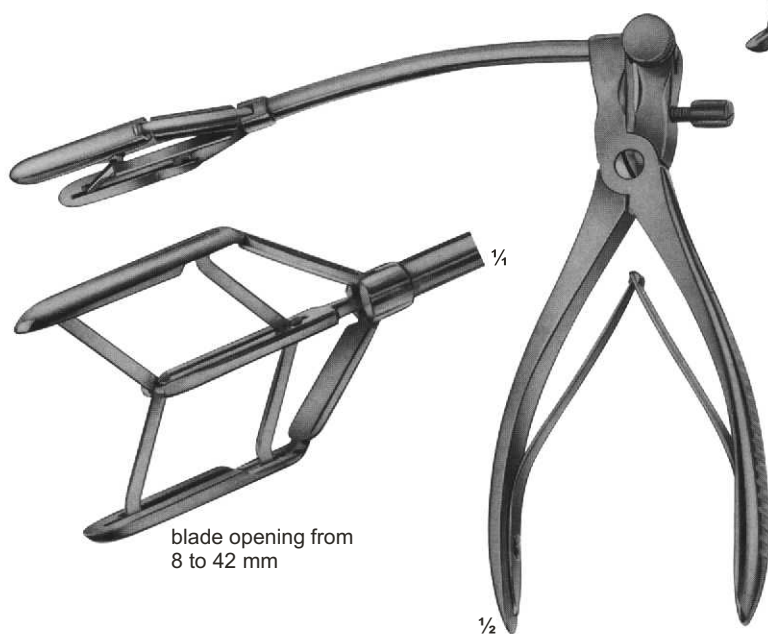


**17-142**  
**SCHULZ**  
 Biopotome, mit flexiblem Schaft, 510 mm lang,  
 with round jaws 3 mm diam.

Biopsy forceps, for biopsy from the right atrium  
 through cava juglaris, prior to heart implantations.

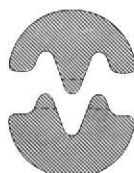
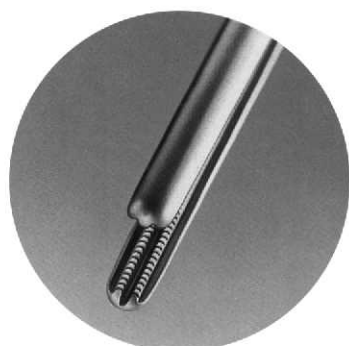
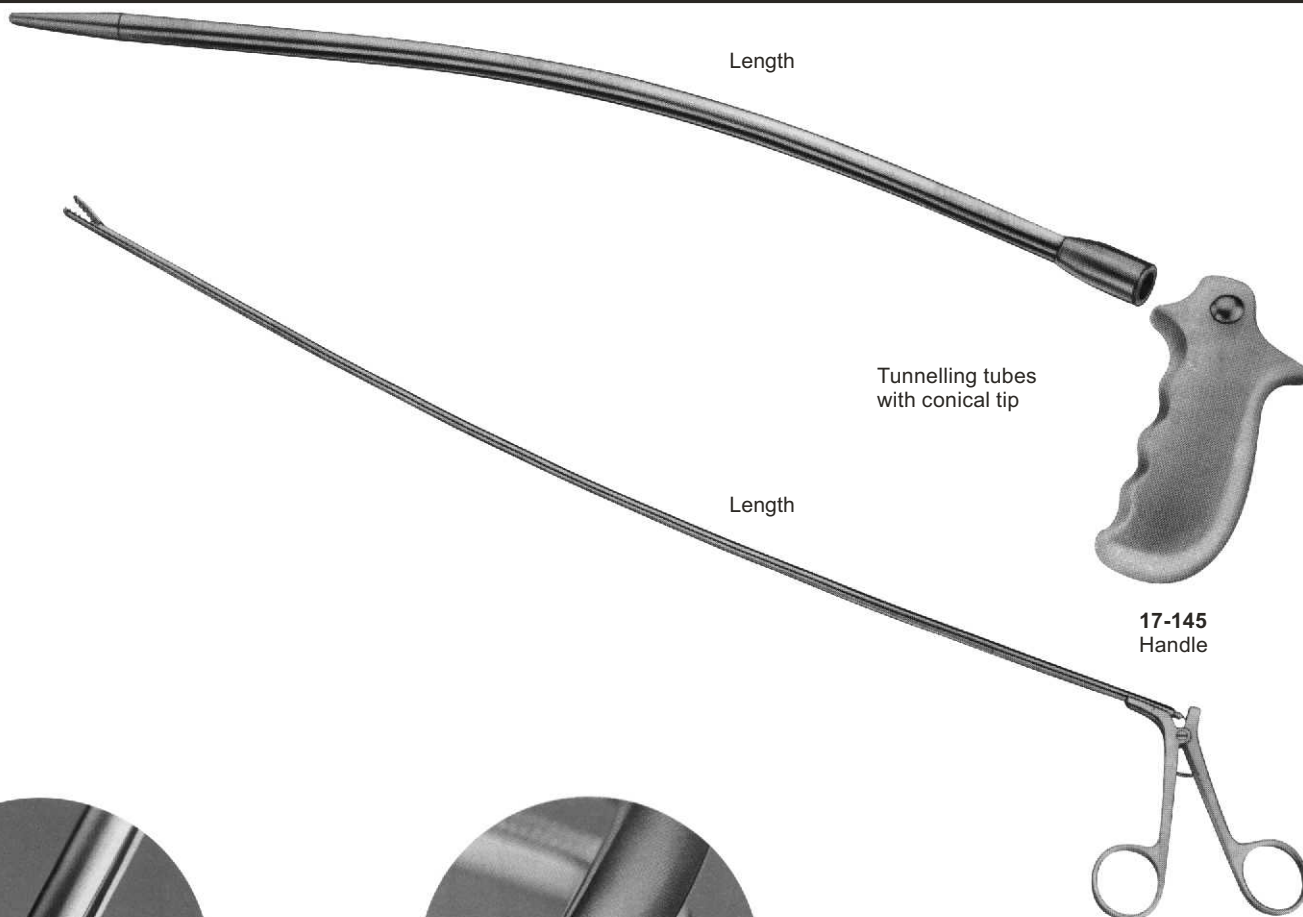


**17-144**  
**COOLEY**  
 Dilator for  
 mitral valve  
 for children



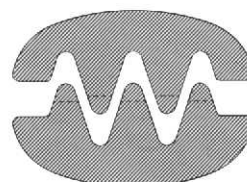
**17-143**  
**TUBBS**  
 Dilator for  
 mitral valve

# Biopotome and Aortic Dilators



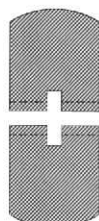
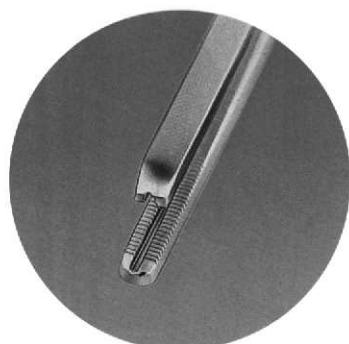
## DE BAKEY

17-147  
1 : 2 rows of teeth



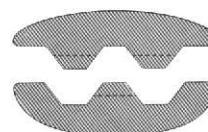
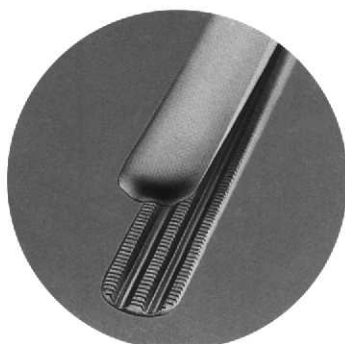
## DE BAKEY

17-148  
2 : 3 rows of teeth



## COOLEY

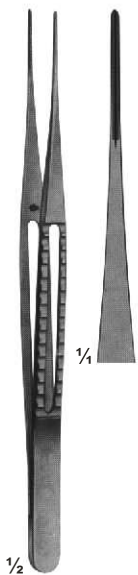
17-149  
2 : 2 rows of teeth



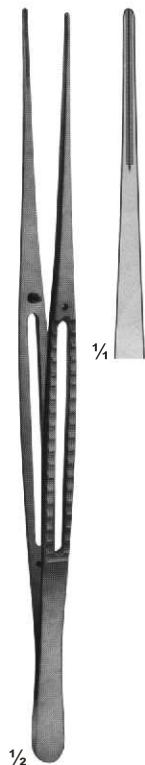
## DARDIK

17-150  
2 : 3 rows of teeth

# Ultra-Light-Forceps



**17-151**  
Width of jaws  
1,5 mm  
Length  
150mm



**17-152**  
1,5 mm  
200 mm

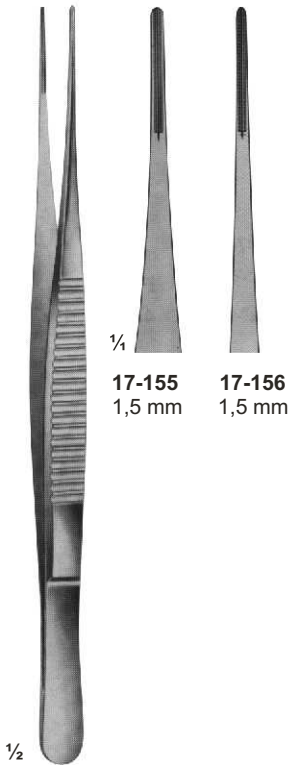


**17-153**  
1,5 mm  
240 mm



**17-154**  
1,5 mm  
300 mm

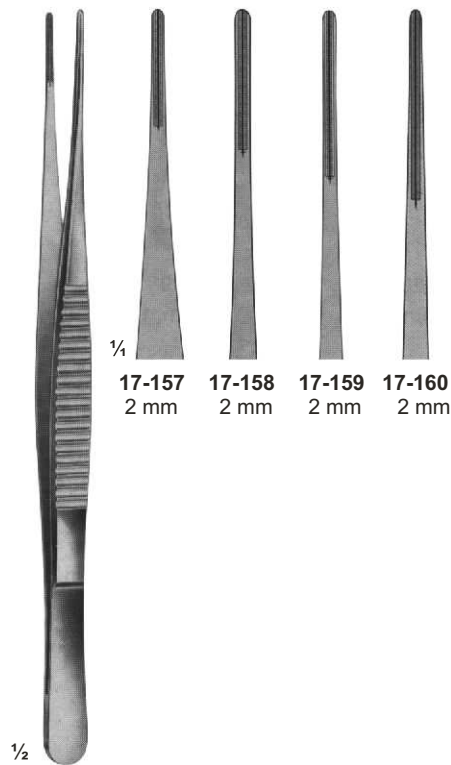
# Ultra-Light-Forceps



**17-155**  
1,5 mm

**17-156**  
1,5 mm

**17-155 - 156**  
DE BAKEY  
150 mm  
300 mm



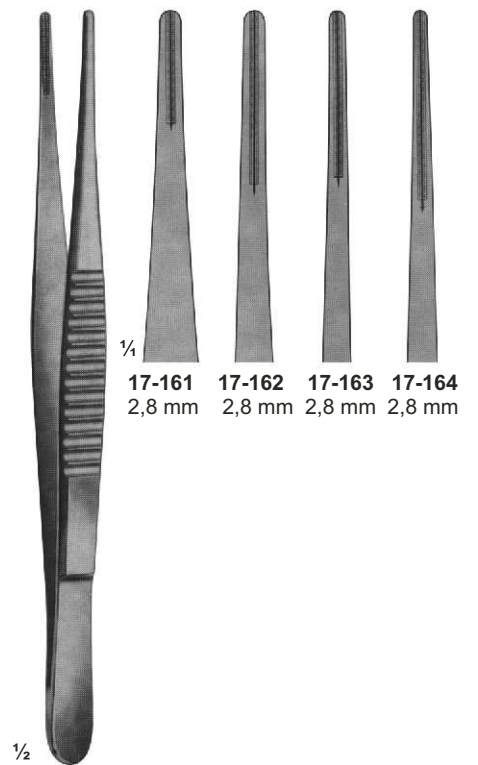
**17-157**  
2 mm

**17-158**  
2 mm

**17-159**  
2 mm

**17-160**  
2 mm

**17-157 - 160**  
DE BAKEY  
150 mm 200 mm  
300 mm 240 mm



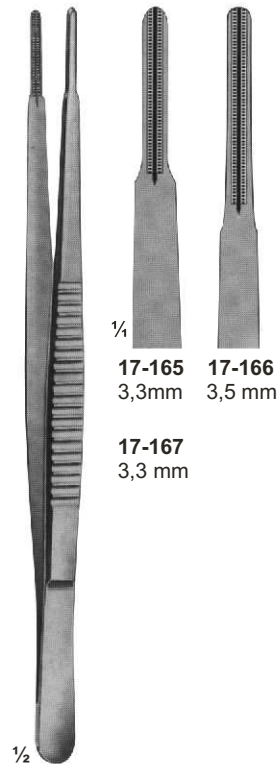
**17-161**  
2,8 mm

**17-162**  
2,8 mm

**17-163**  
2,8 mm

**17-164**  
2,8 mm

**17-161 - 164**  
DE BAKEY  
150 mm 200 mm  
300 mm 240 mm

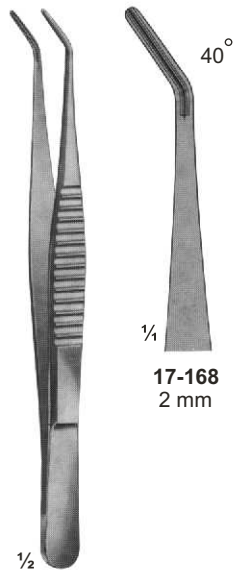


**17-165**  
3,3mm

**17-166**  
3,5 mm

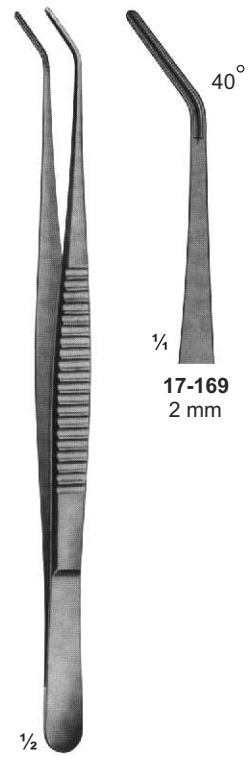
**17-167**  
3,3 mm

**17-165 - 167**  
DE BAKEY  
200 mm  
300 mm 240 mm



**17-168**  
2 mm

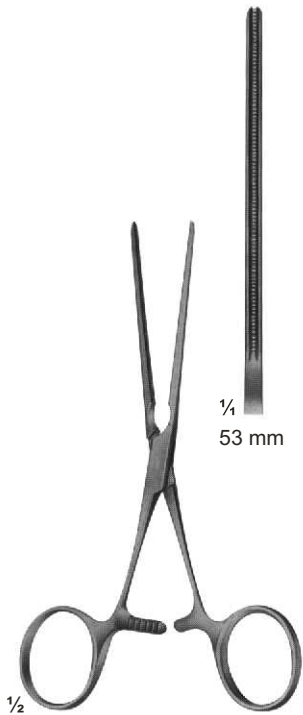
**17-168**  
DE BAKEY  
150 mm



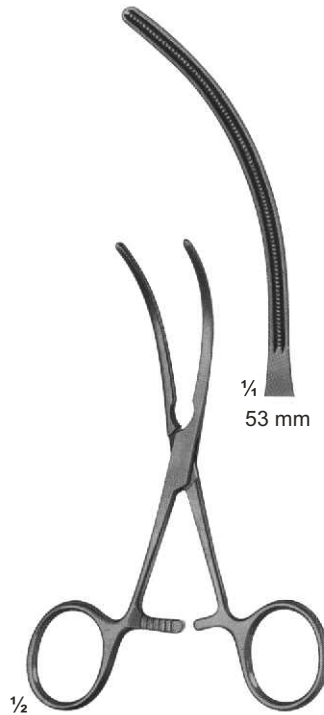
**17-169**  
2 mm

**17-169**  
DE BAKEY  
200 mm

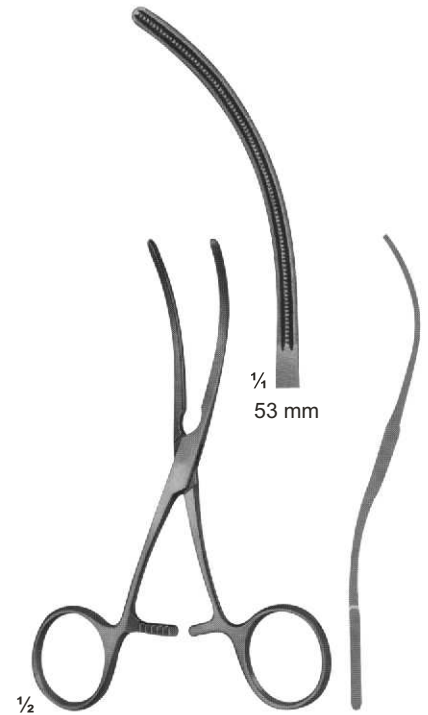
# Ring Handle Bulldog Clamps



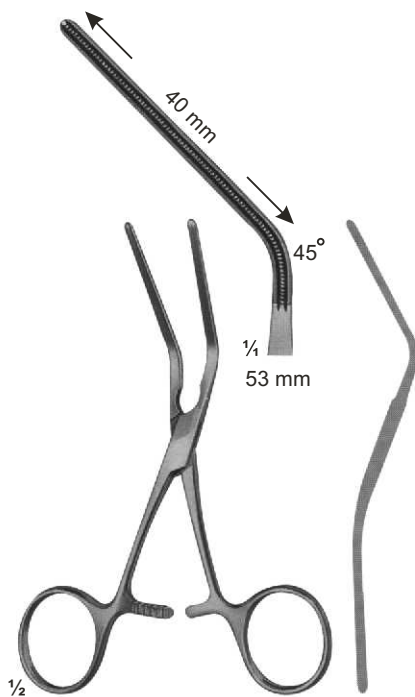
**17-170**  
DE-BAKEY  
gerade straight  
130 mm



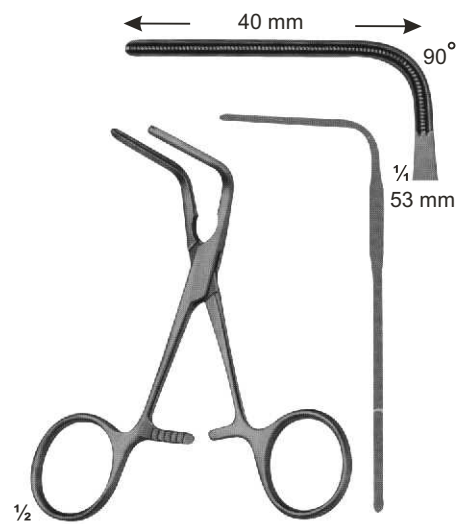
**17-171**  
DE-BAKEY  
Maul gebogen  
curved jaws  
125 mm



**17-172**  
DE-BAKEY  
S-shaped curved  
125 mm



**17-173**  
DE-BAKEY  
45° winklig gebogen  
angled 45°  
125 mm



**17-174**  
DE-BAKEY  
90° winklig gebogen  
angled 90°  
105 mm

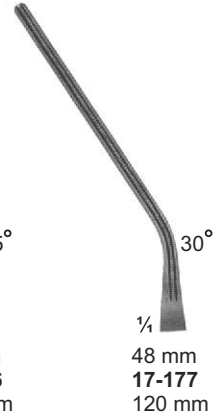
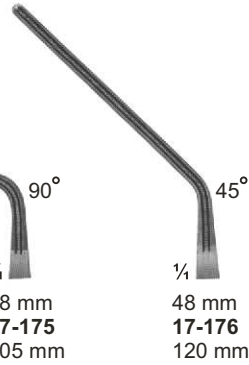
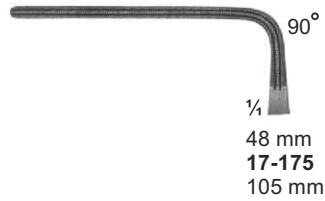
# Anastomosis-and Multi-Purpose-Clamps for Neonatales

graduated



1/2

**17-175 - 178**  
CASTANESA

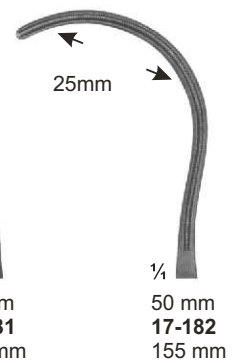
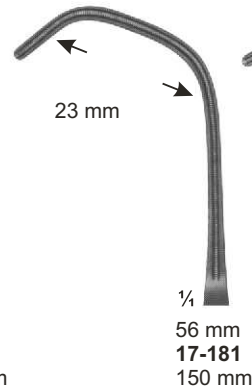
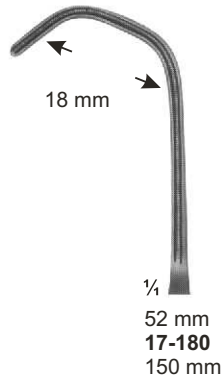
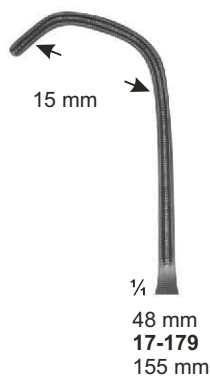


graduated



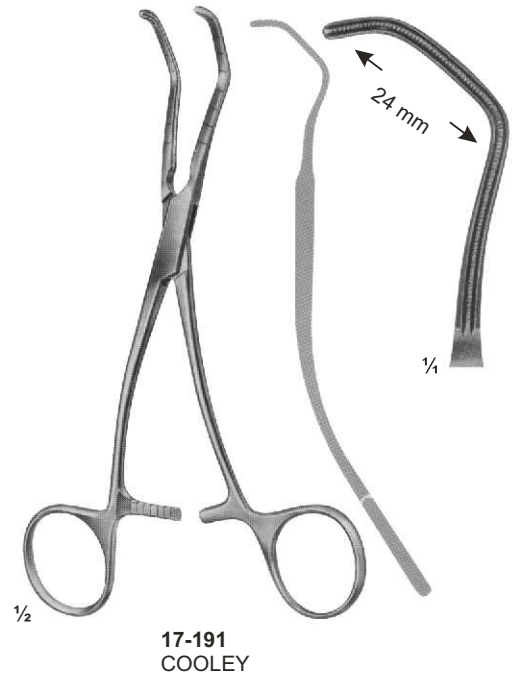
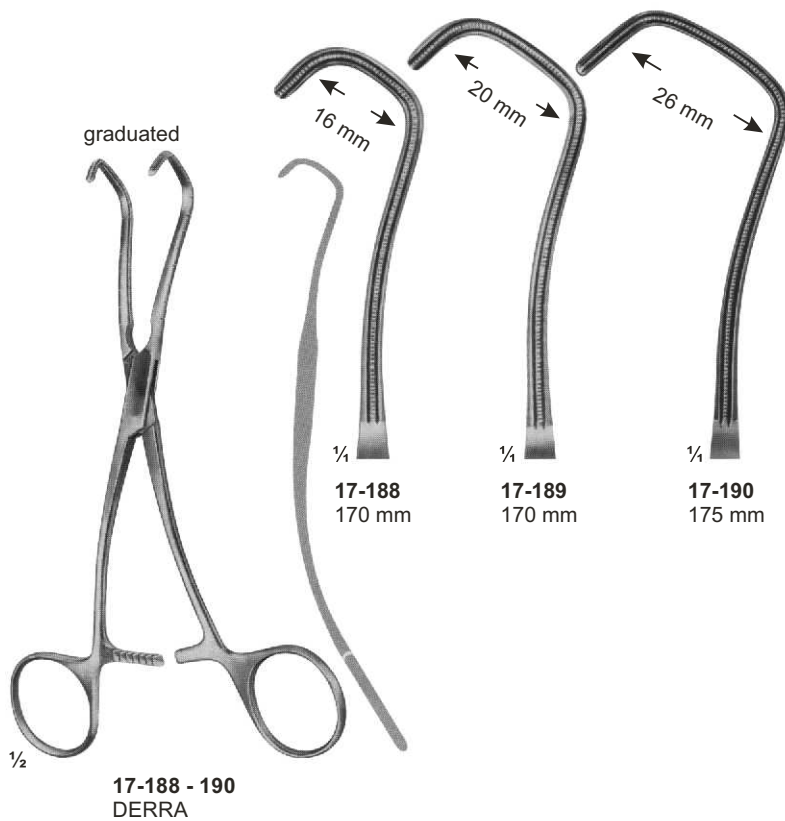
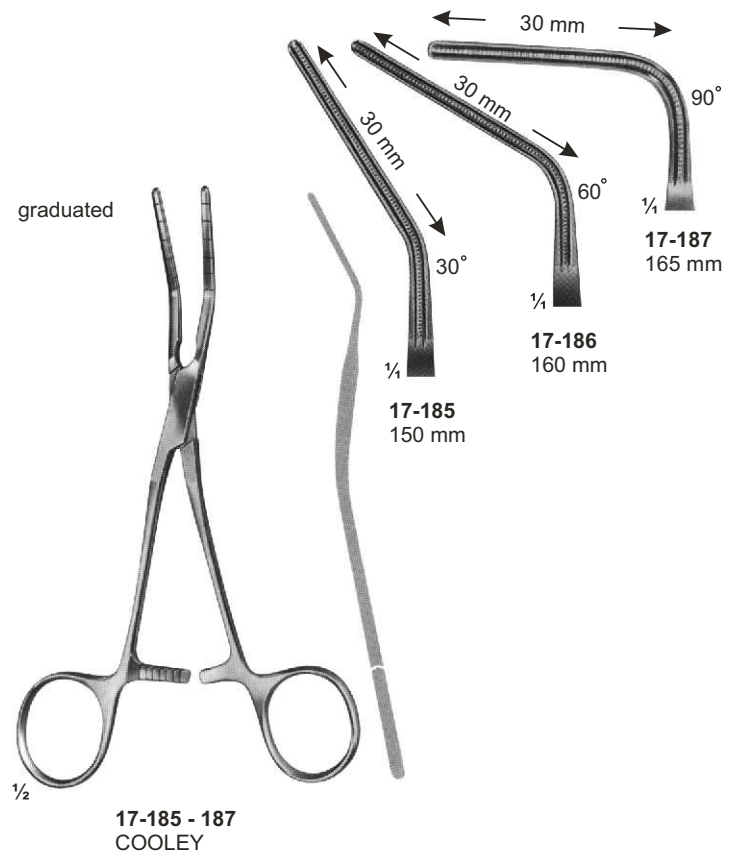
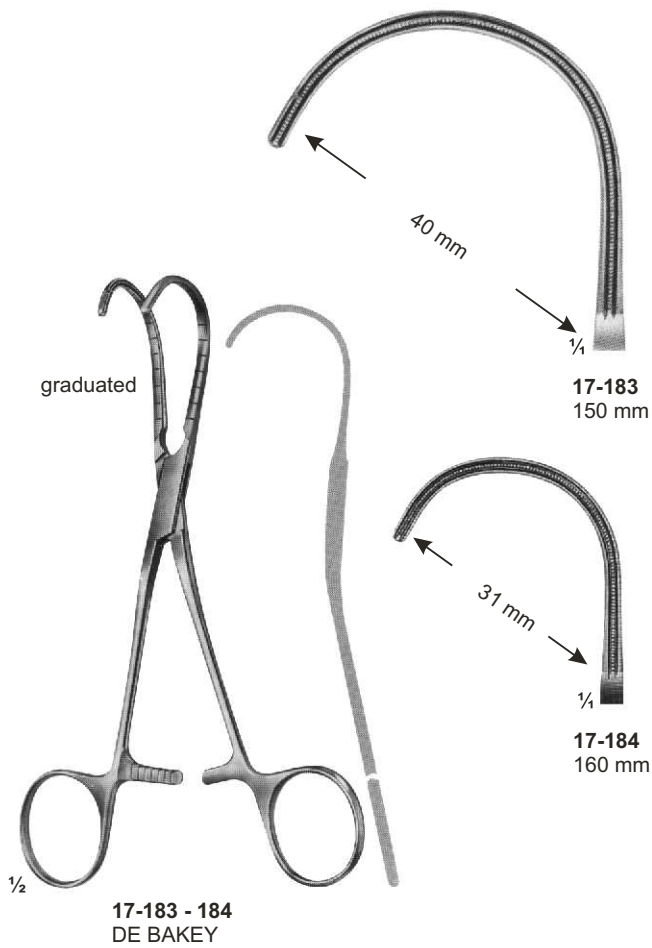
1/2

**17-179 - 182**  
CASTANESA

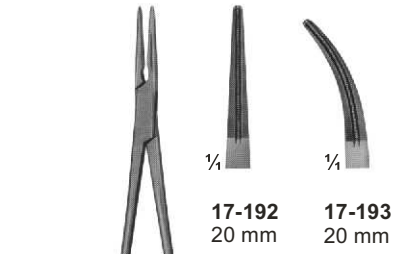




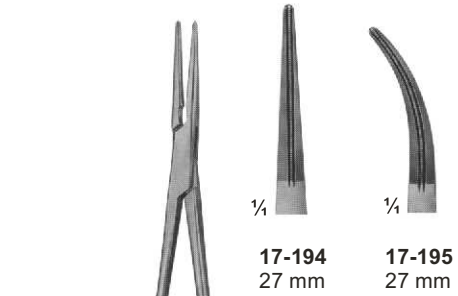
# Anastomosis-and Multi-Purpose-Clamps-Pediatric types



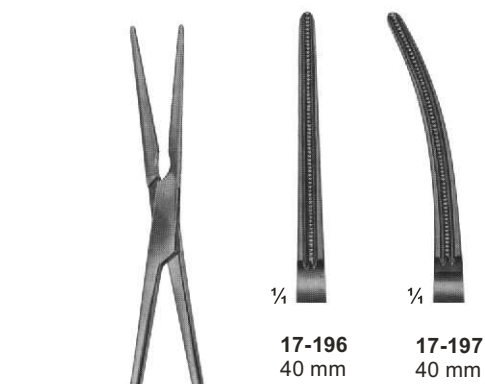
# Non-traumatic Haemostatic Forceps



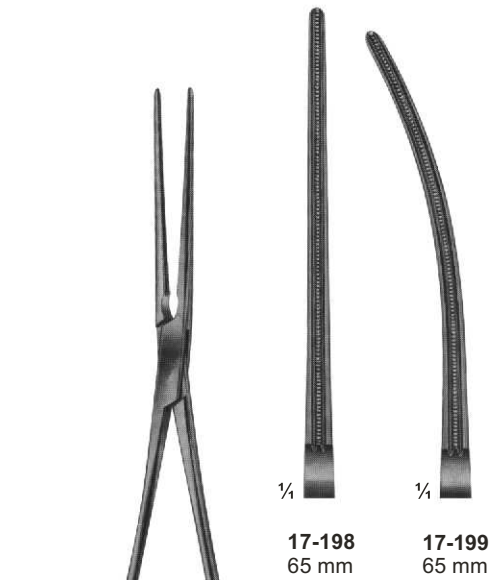
1/2  
**17-192 - 193**  
 125 mm



1/2  
**17-194 - 195**  
 165 mm

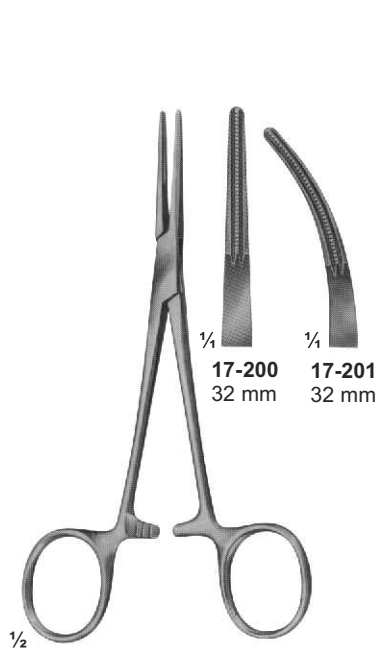


1/2  
**17-196 - 197**  
 DE BAKEY-BAINRIDGE  
 155 mm

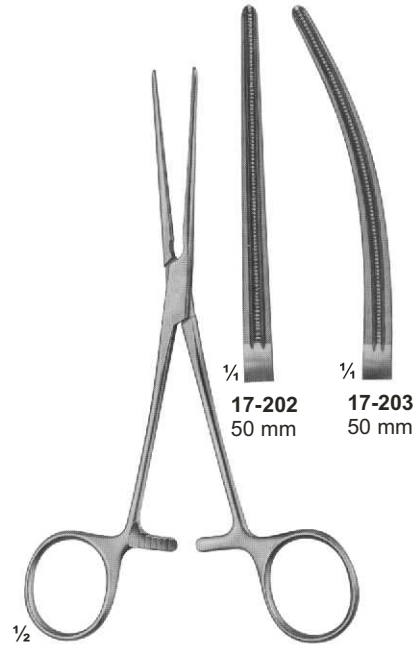


1/2  
**17-198 - 199**  
 DE BAKEY-BAINRIDGE  
 180 mm

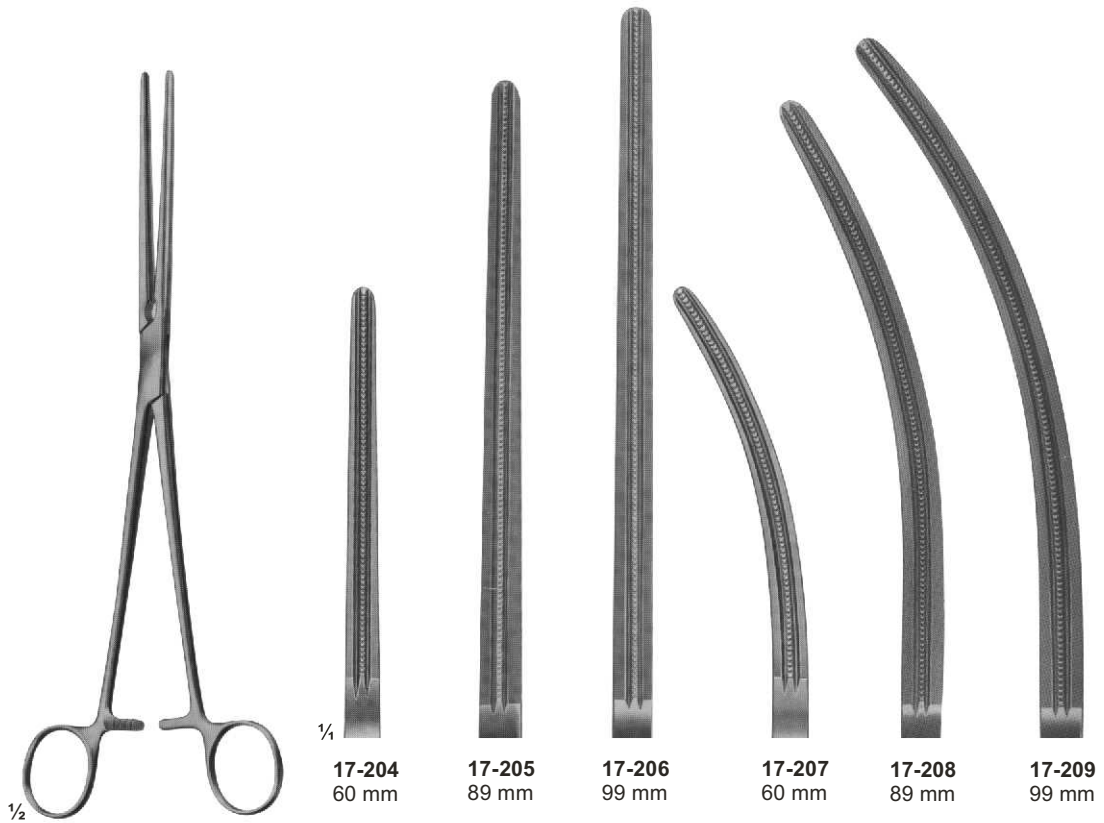
# Non-traumatic Haemostatic Forceps



**17-200 - 201**  
DE-BAKEY-KELLY  
140 mm

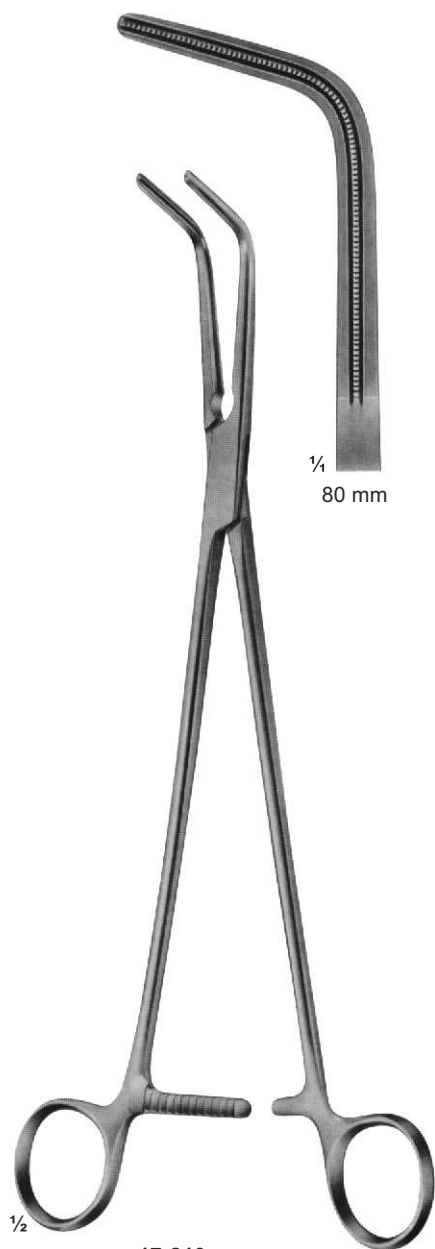


**17-202 - 203**  
PEAN  
155 mm

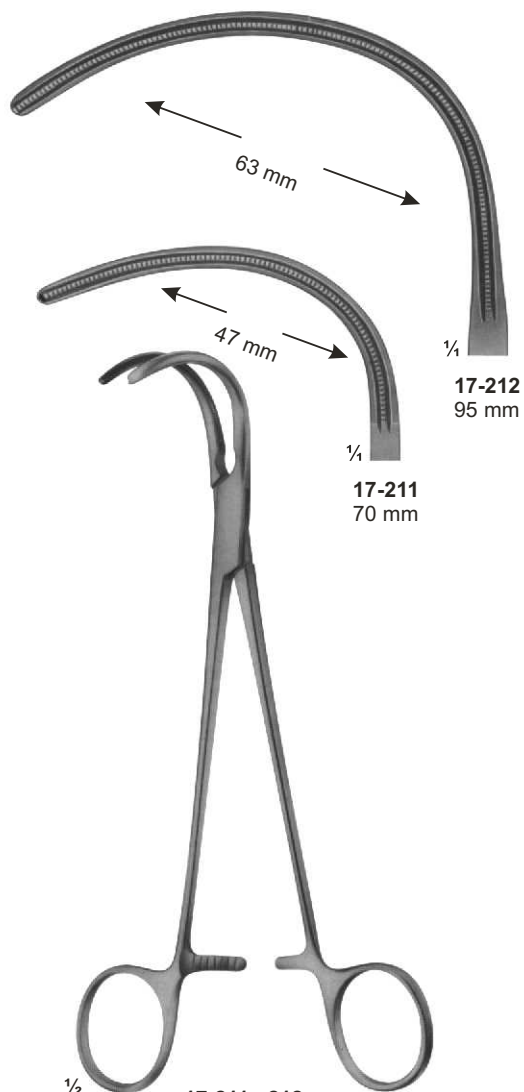


**17-204 - 209**  
DE-BAKEY-PEAN DE-BAKEY-PEAN  
**17-204** 200 mm **17-207** 200 mm  
**17-205** 265 mm **17-208** 260 mm  
**17-206** 280 mm **17-209** 275 mm

# Anastomosis Clamps



**17-210**  
DE-BAKEY-MIXTER  
285 mm

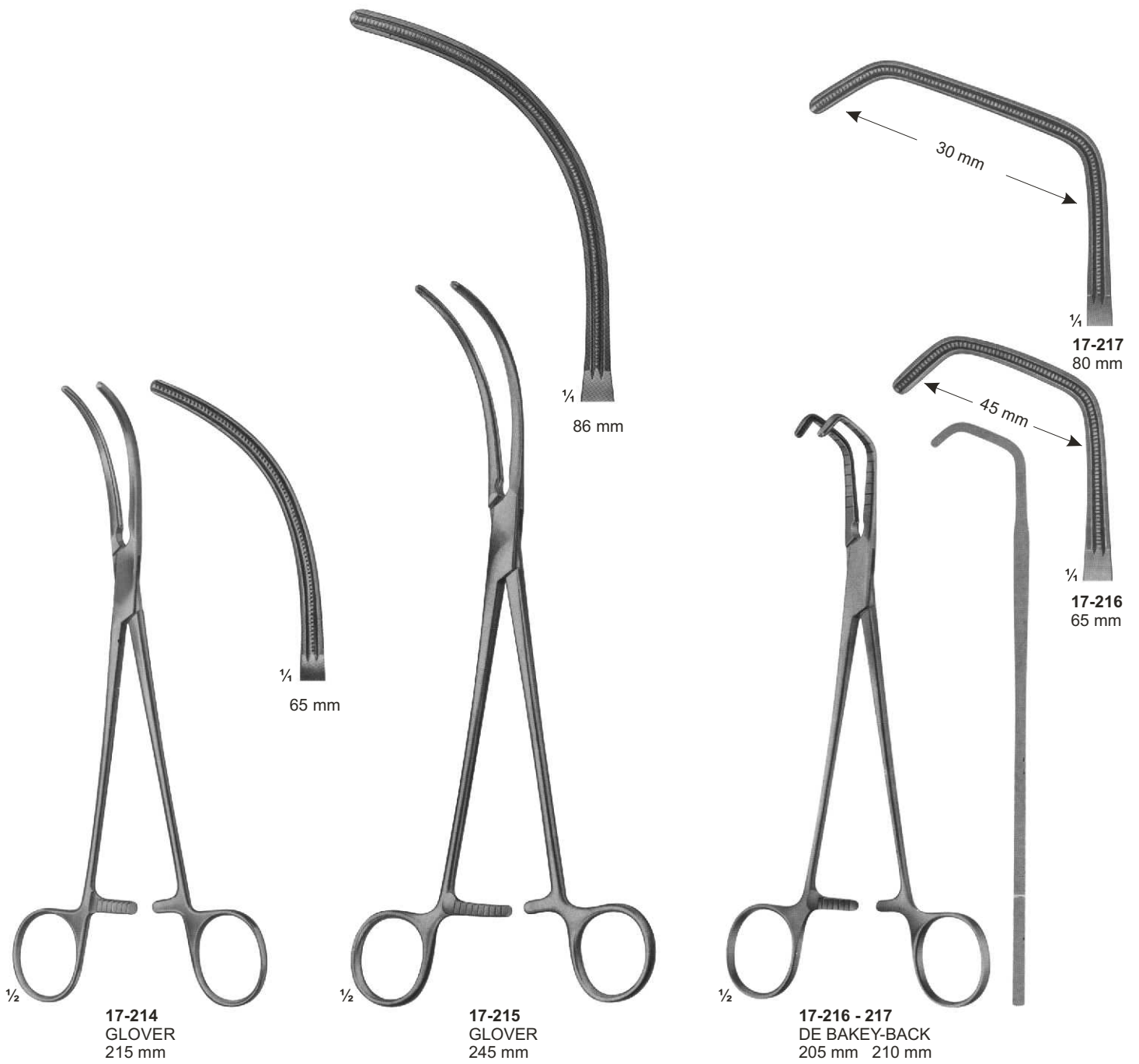


**17-211 - 212**  
GLOVER  
245 mm



**17-213**  
GLOVER  
220 mm

# Vena-Cava Clamps



# Vena-Cava Clamps



1/2



1/4  
**17-218**  
86 mm



1/4  
**17-219**  
86 mm



1/4  
**17-220**  
86 mm



1/4  
**17-221**  
86 mm

**17-218 - 221**  
DE BAKEY-HARKEN  
17-218 - 255 mm  
17-219 - 245 mm  
17-220 - 245 mm  
17-221 - 245 mm



1/2

**17-222 - 226**  
DE BAKEY

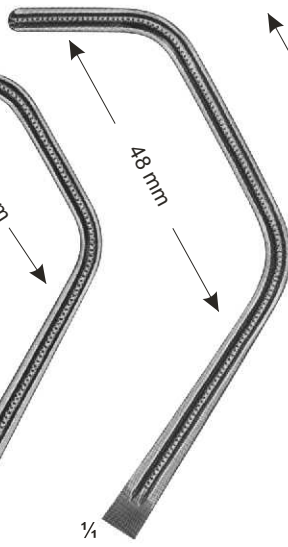
Total Length: 220 mm  
Length of jaws: 85 mm



1/4  
**17-222**

36 mm

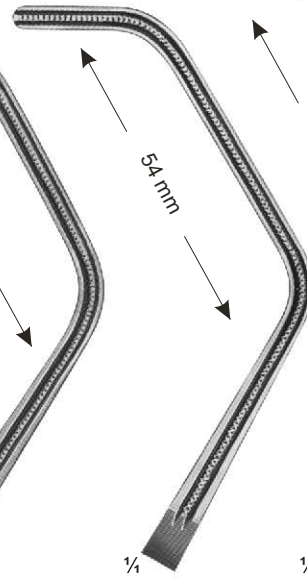
Total Length: 256 mm  
Length of jaws: 95 mm



1/4  
**17-223**

48 mm

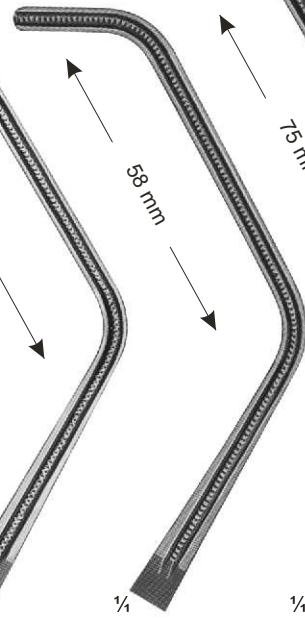
Total Length: 270 mm  
Length of jaws: 99 mm



1/4  
**17-224**

54 mm

Total Length: 270 mm  
Length of jaws: 103 mm



1/4  
**17-225**

58 mm

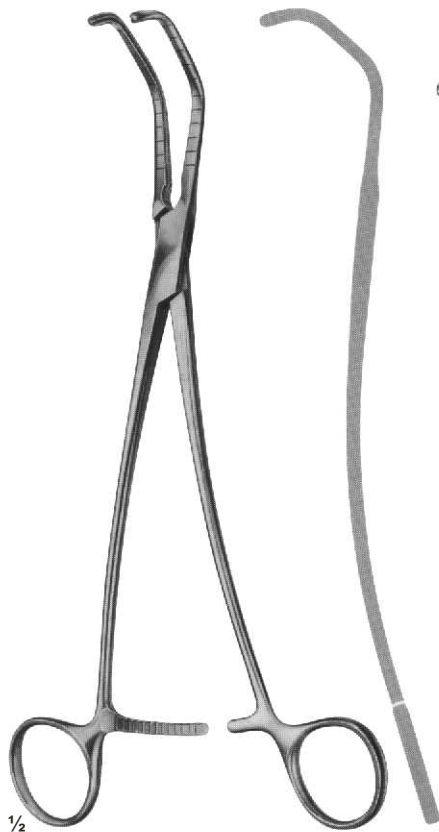
Total Length: 280 mm  
Length of jaws: 119 mm

75 mm

1/4  
**17-226**

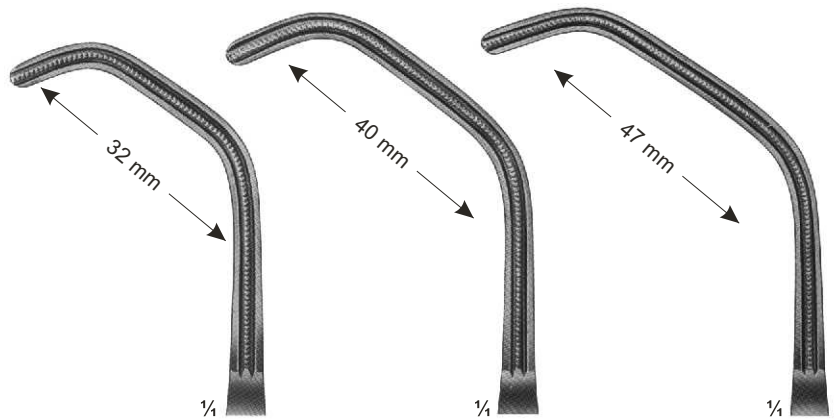


# Vena-Cava Clamps



1/2

**17-227 - 229**  
DE BAKEY-SATINSKY  
235 mm, 240 mm, 245 mm



1/4

**17-227**  
68 mm

1/4

**17-228**  
76 mm

1/4

**17-229**  
84 mm



1/2

**17-230 - 231**  
DE BAKEY  
170 mm, 165 mm

1/4

**17-230**  
50 mm

1/4

**17-231**  
50 mm



1/2

**17-232**  
DE BAKEY  
165 mm

1/4

50 mm

# Vena-Cava Clamps



**17-233 - 235**  
DE BAKEY  
205 mm, 225 mm, 240 mm



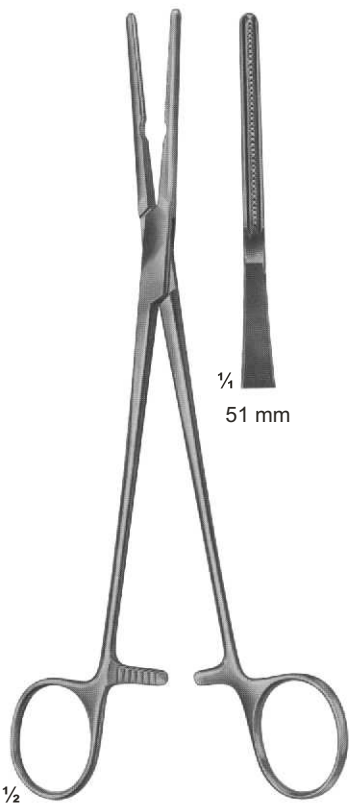
**17-233** 41 mm  
**17-234** 65 mm  
**17-235** 80 mm



**17-236 - 238**  
DE BAKEY  
200 mm, 225 mm, 240 mm



**17-236** 41 mm  
**17-237** 65 mm  
**17-238** 80 mm



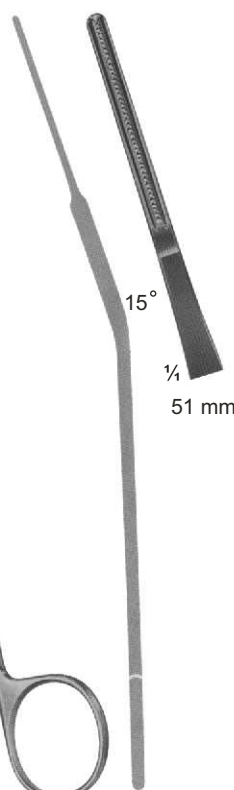
**17-239**  
DE BAKEY  
210 mm



**1/4**  
51 mm



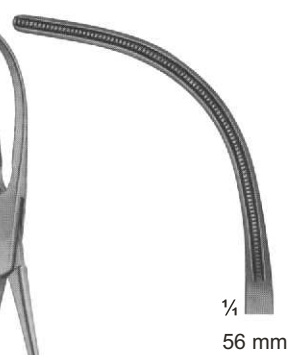
**17-240**  
DE BAKEY  
210 mm



15°  
**1/4**  
51 mm

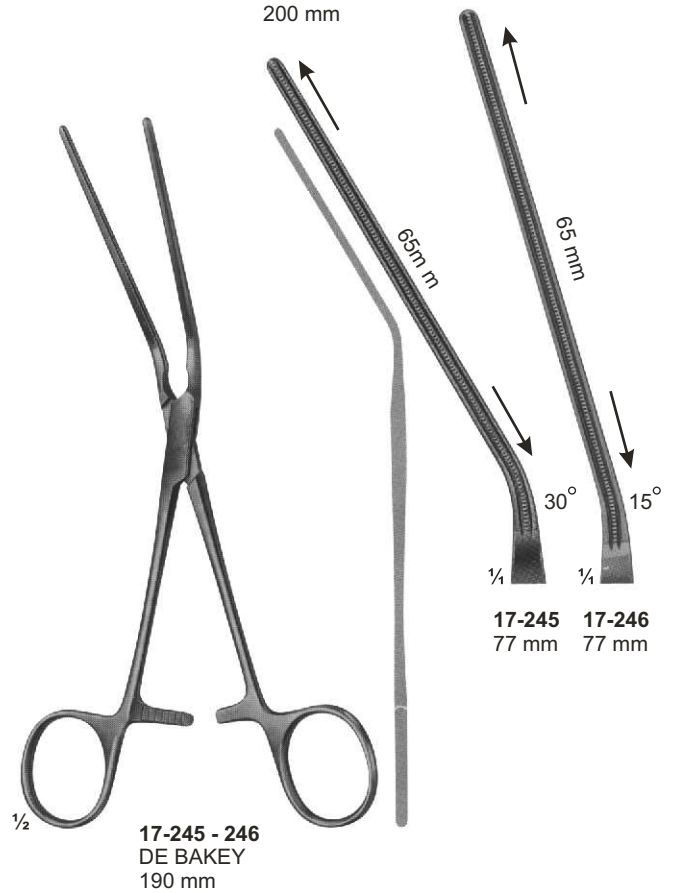
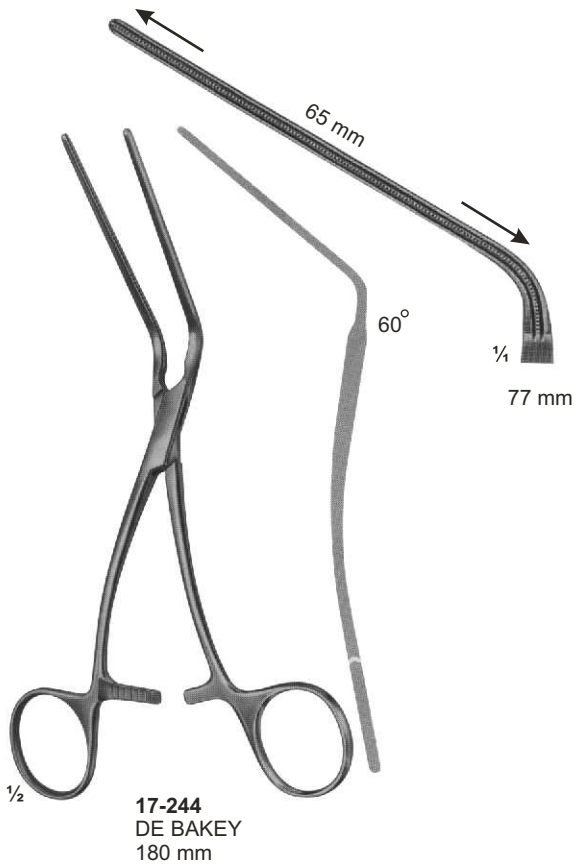
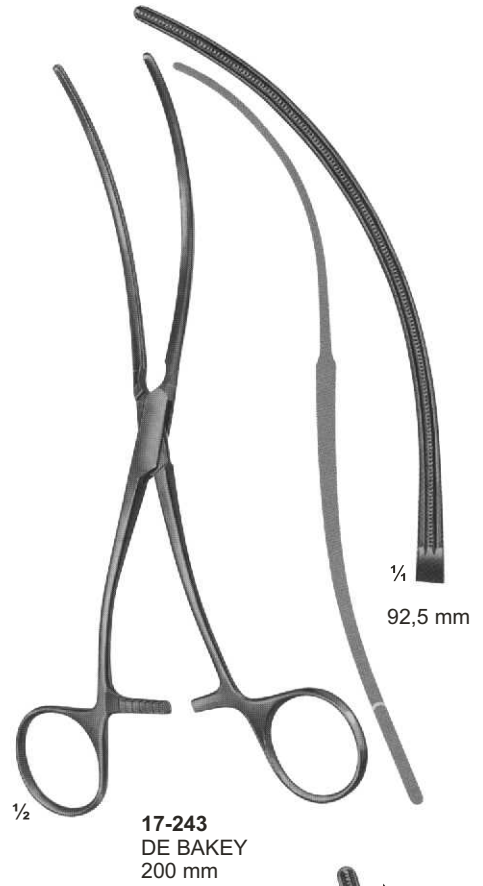


**17-241**  
DE BAKEY  
160 mm



**1/4**  
56 mm

# Vena-Cava Clamps



# Vena-Cava Clamps



**17-247**  
LELAND-JONES  
195 mm



**17-248**  
DE BAKEY  
200 mm

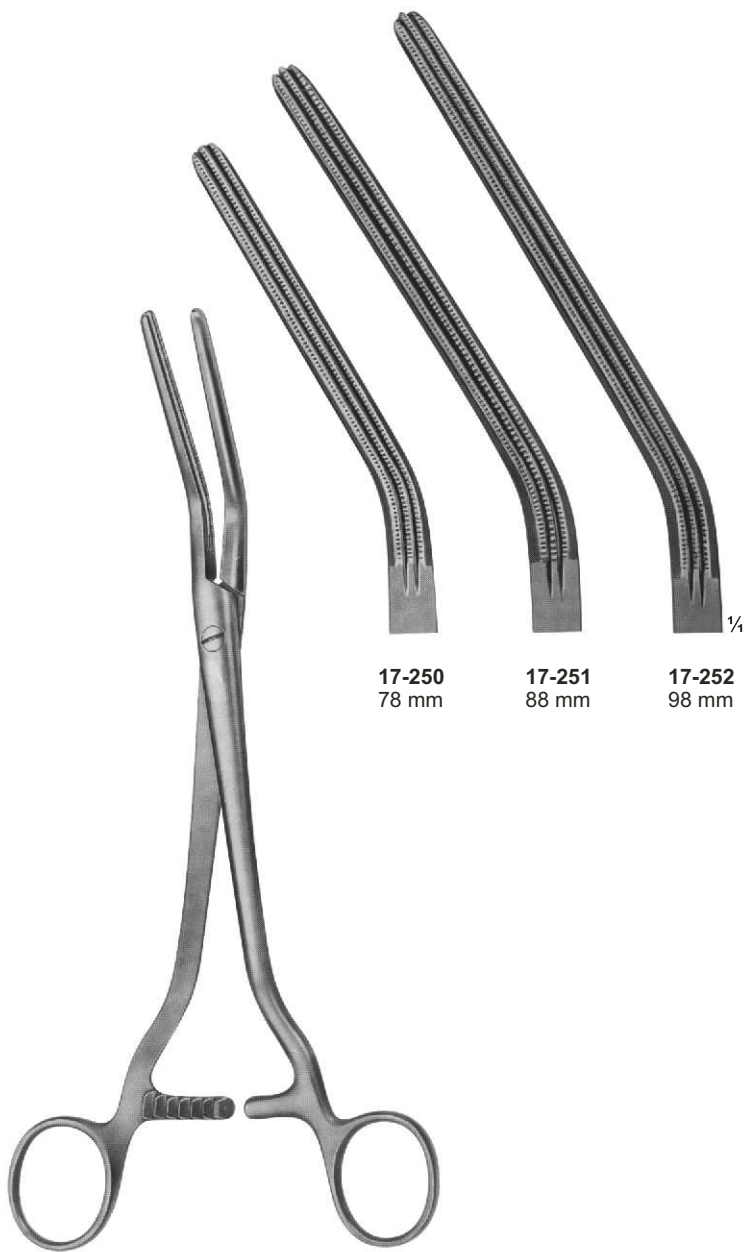


Iliac clamp



**17-249**  
WERTHEIM  
250 mm

# Vena-Cava Clamps

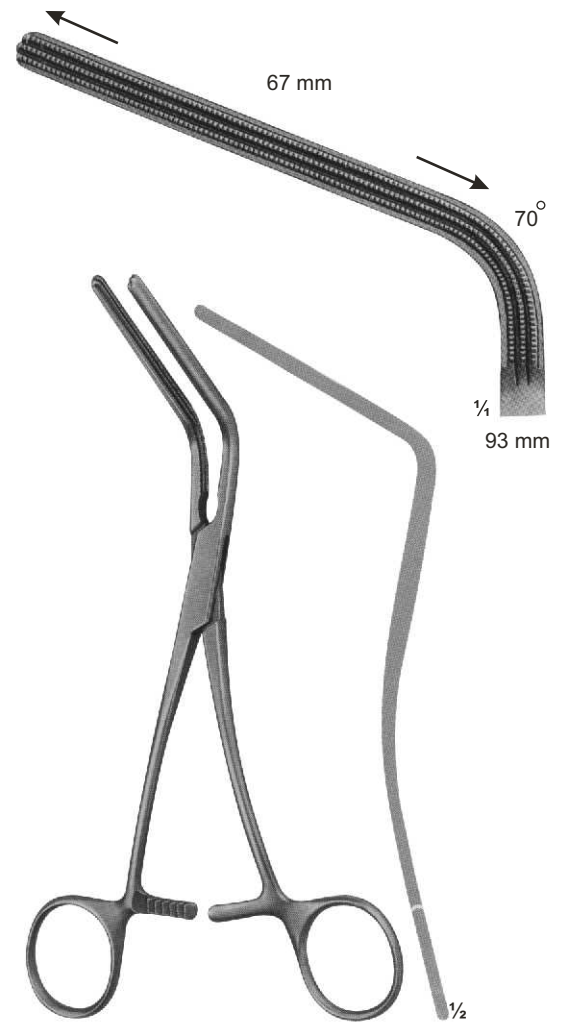


**17-250**  
78 mm

**17-251**  
88 mm

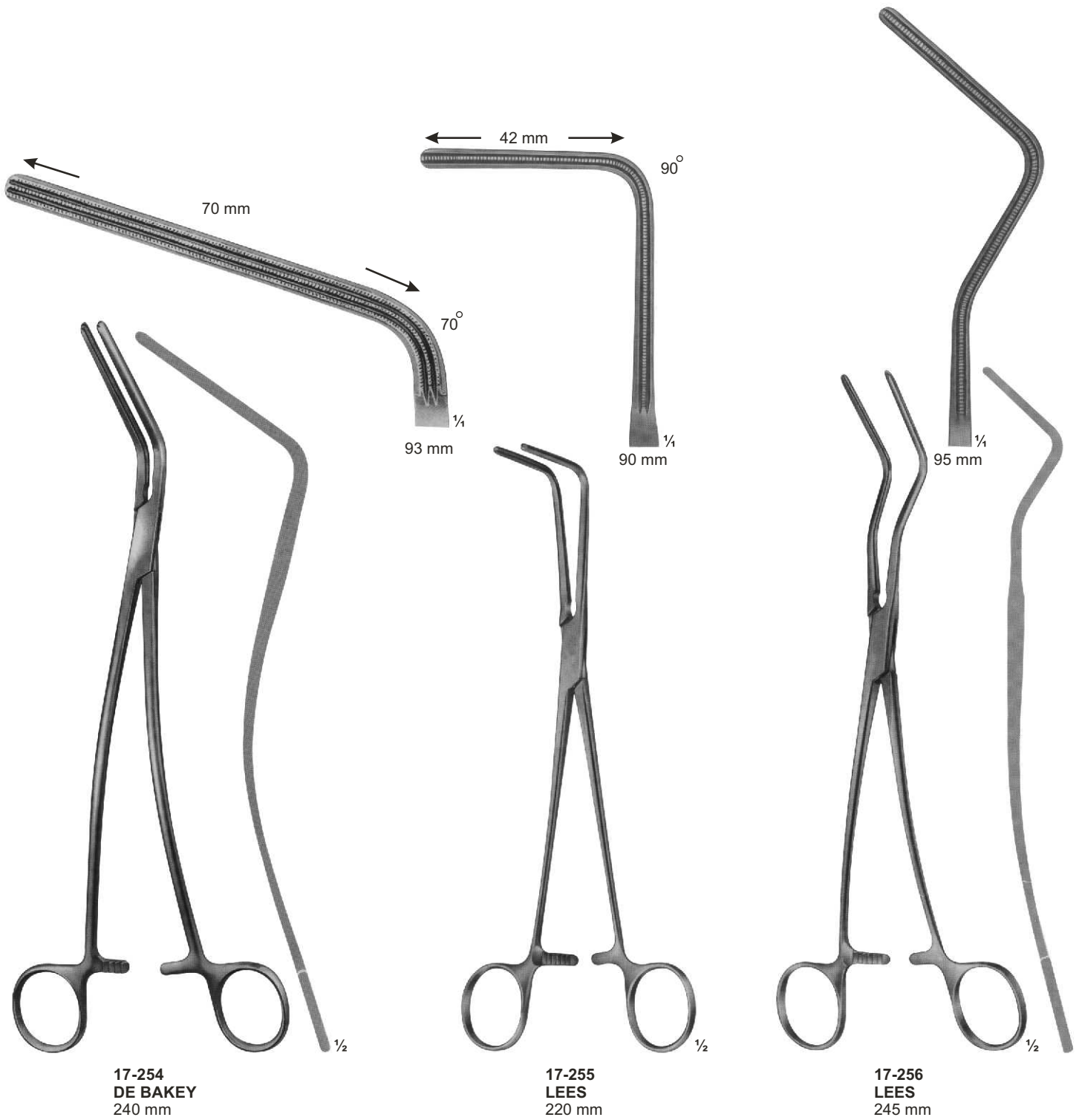
**17-252**  
98 mm

**17-250 - 252**  
DICK  
255 mm, 265 mm, 275 mm



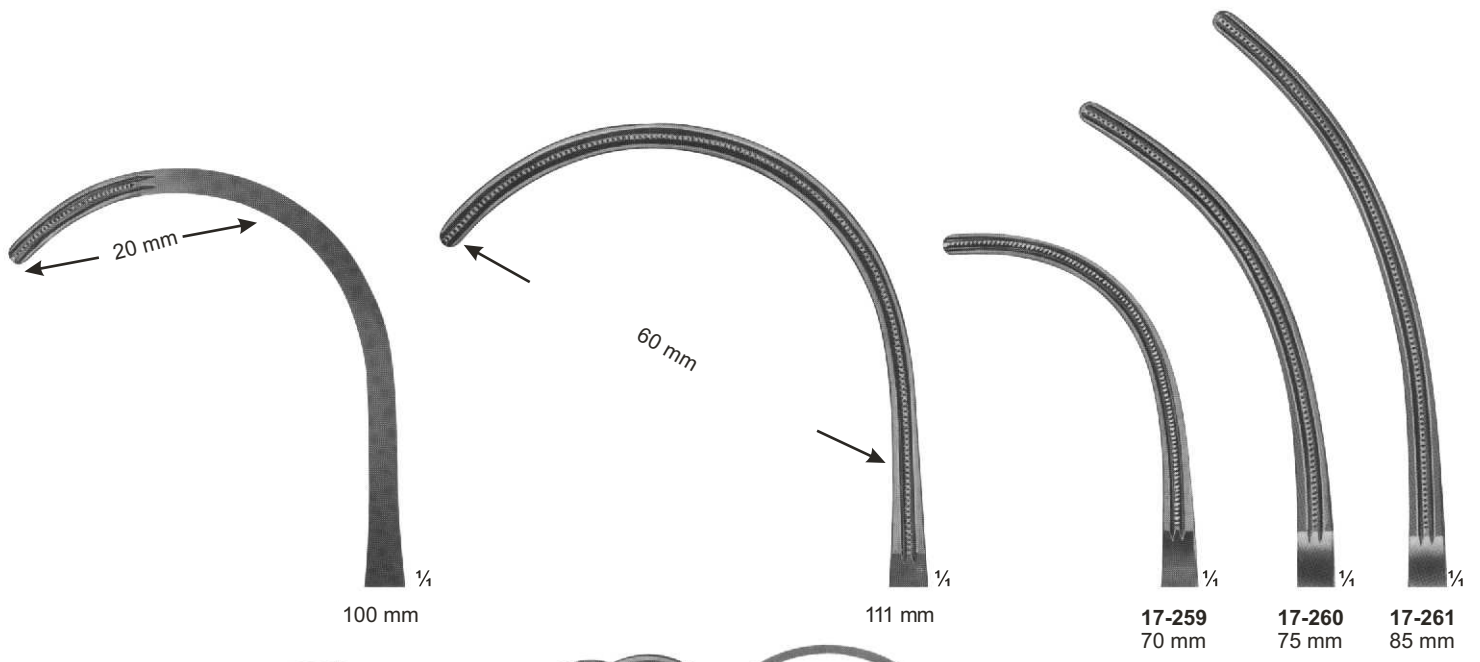
**17-253**  
MORRIS  
175 mm

# Vena-Cava Clamps





# Vena-Cava Clamps

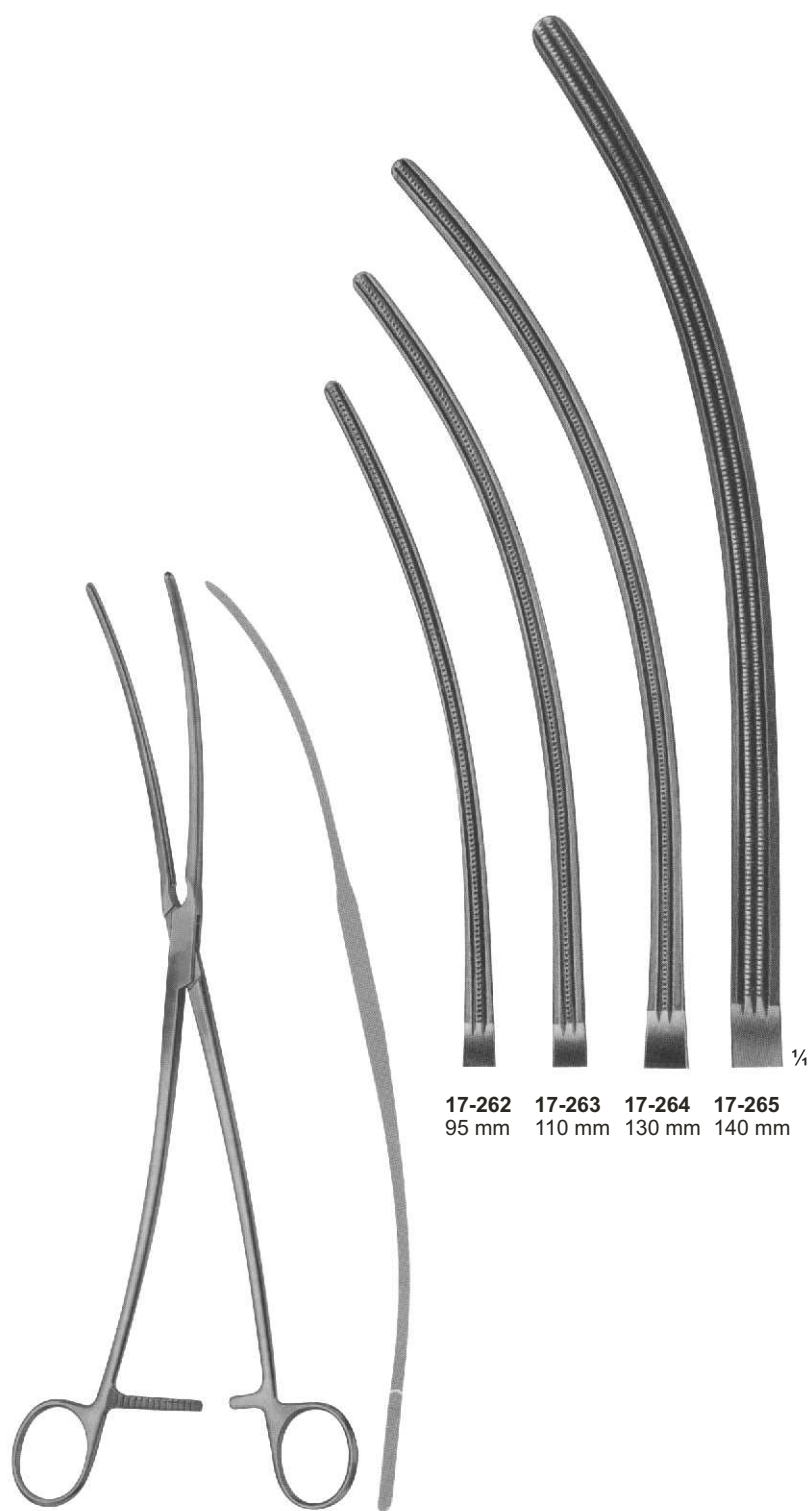


**17-257  
DE BAKEY**  
265 mm

**17-258  
DE BAKEY**  
270 mm

**17-259 - 261  
DE BAKEY**  
255 mm, 265 mm, 280 mm

# Vena-Cava Clamps



17-262 95 mm  
 17-263 110 mm  
 17-264 130 mm  
 17-265 140 mm

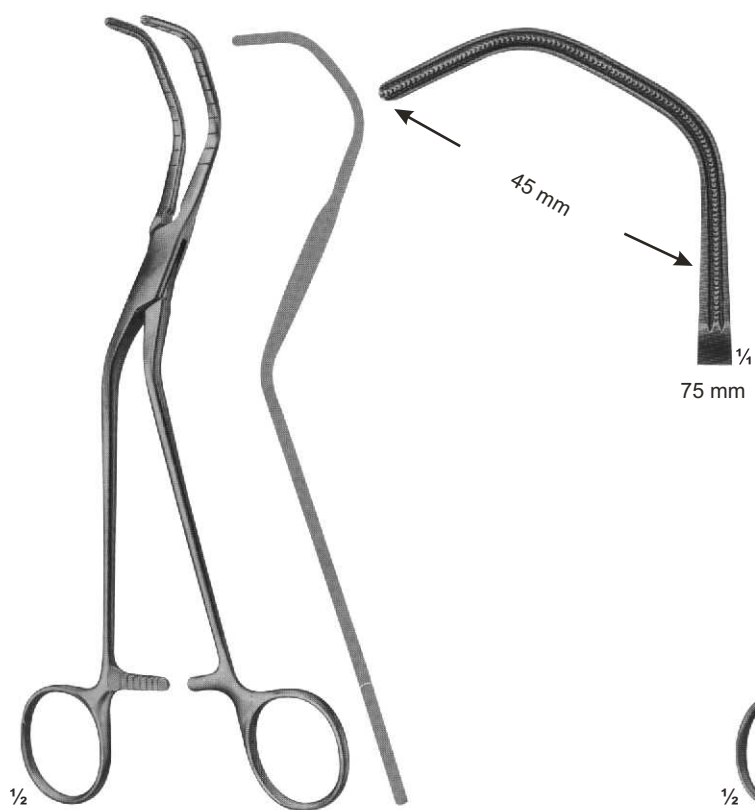
**17-262 - 265**  
 DE BAKEY  
 250 mm, 300 mm,  
 315 mm, 330 mm



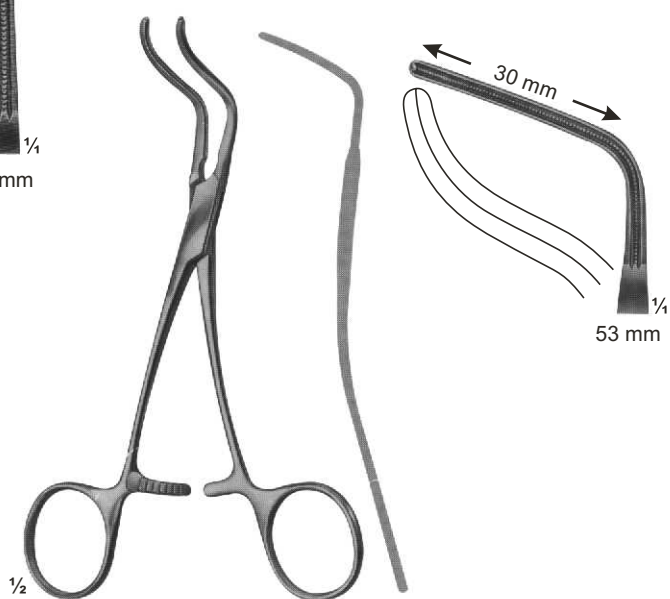
1/4  
 115 mm

**17-266**  
 DE BAKEY  
 300 mm

# Vena-Cava Clamps

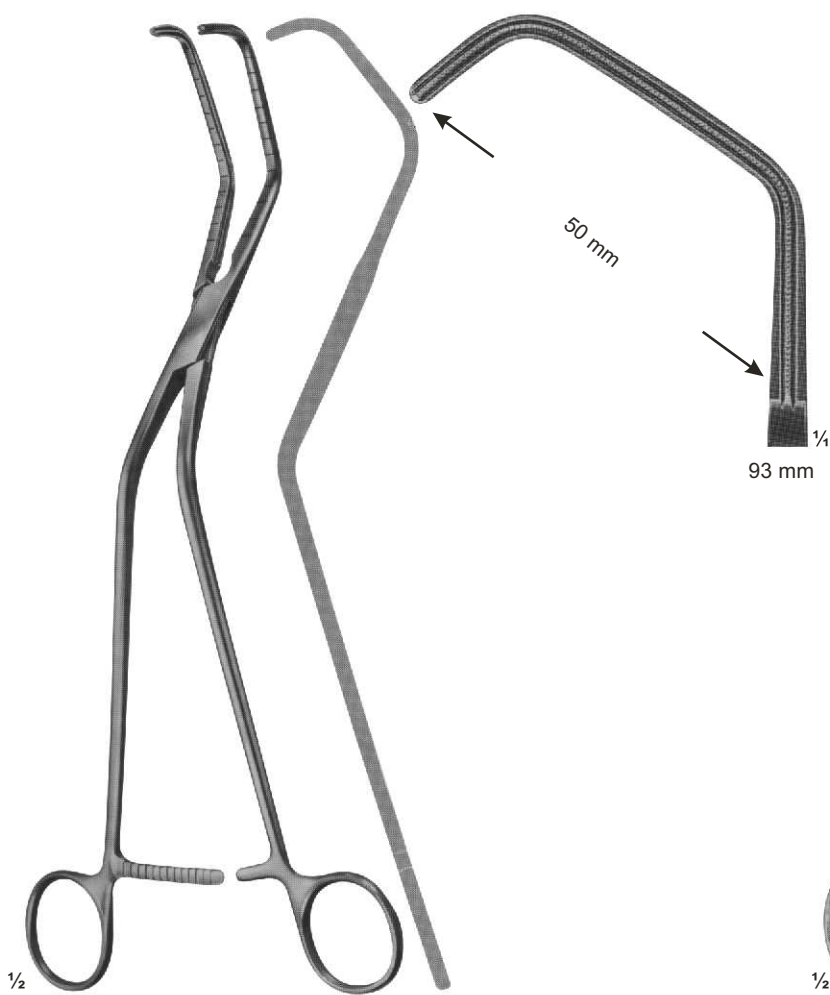


**17-267  
DIETRICH**  
210 mm

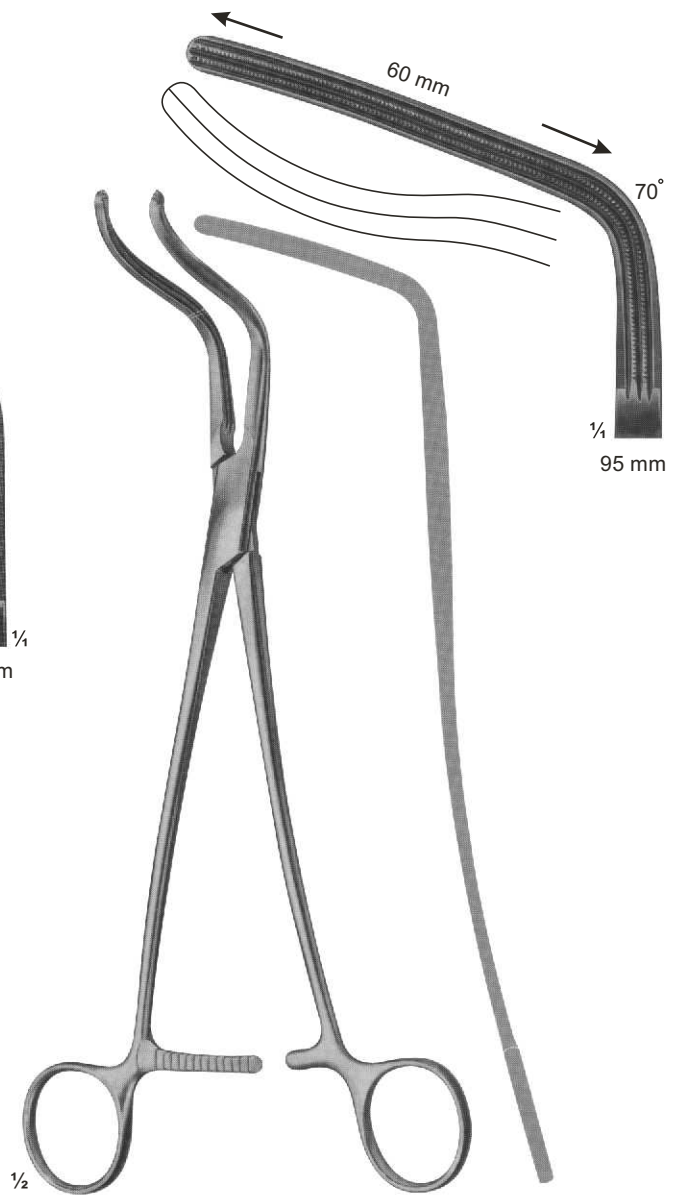


**17-268  
SUBRAMANIAN**  
155 mm

# Vena-Cava Clamps



**17-269**  
**OCHSNER**  
260 mm

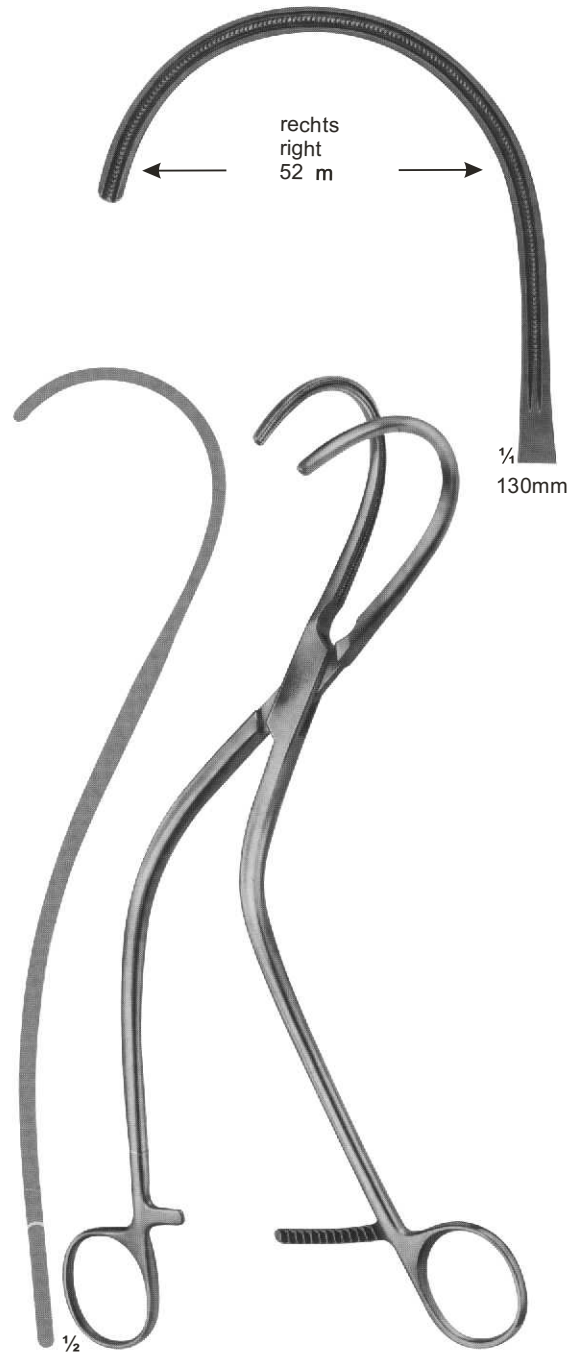


**17-270**  
**DE BAKEY**  
265 mm

# Aorta-Anastomosis Clamps



**L**  
17-271  
WEBER  
265 mm

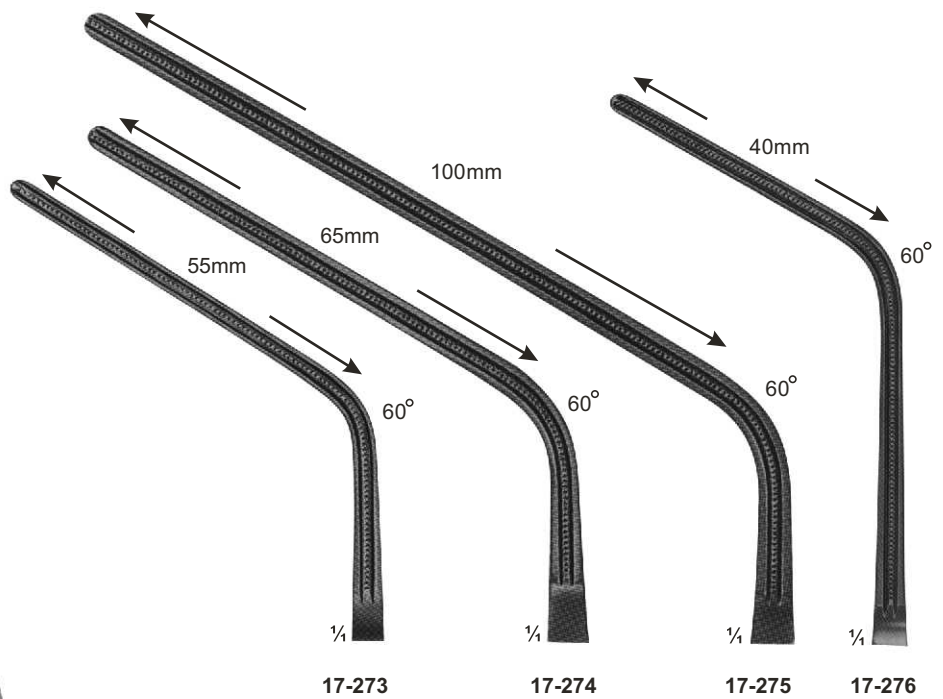


**R**  
17-272  
WEBER  
265 mm

# Aorta-Anastomosis Clamps



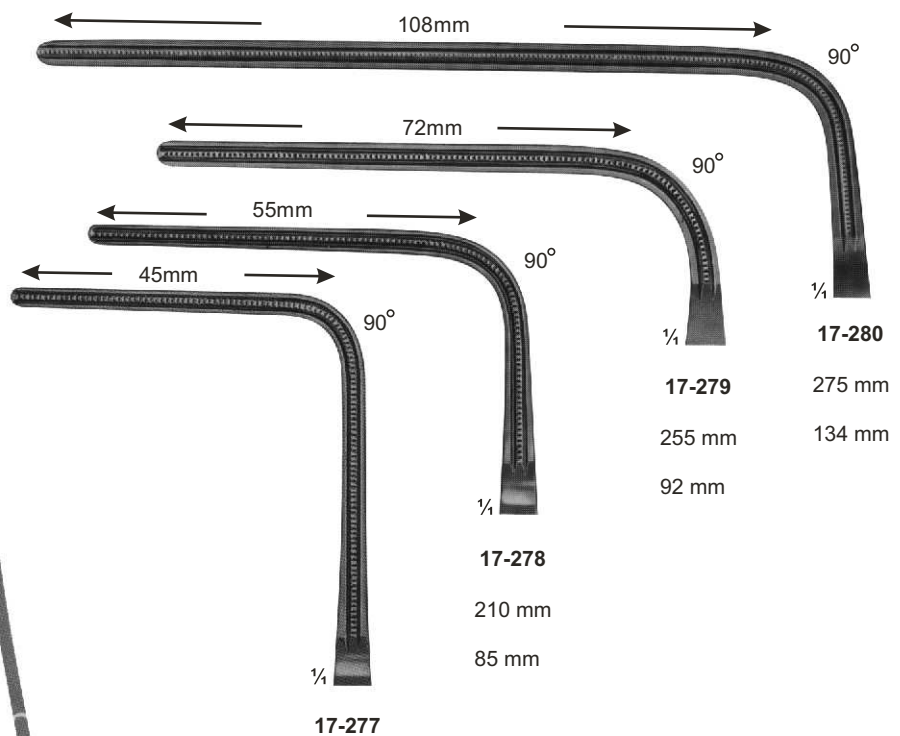
1/2  
17-273 - 276  
DE BAKEY



Total Length:	230 mm	280 mm	305 mm	240 mm
Length of jaws:	85 mm	100 mm	135 mm	93 mm



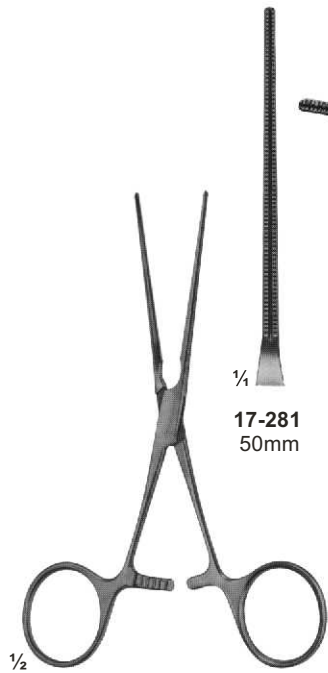
1/2  
17-277 - 280  
DE BAKEY



Total Length:	225 mm
Length of jaws:	93 mm



# Aorta-Anastomosis Clamps



**17-281**  
50mm

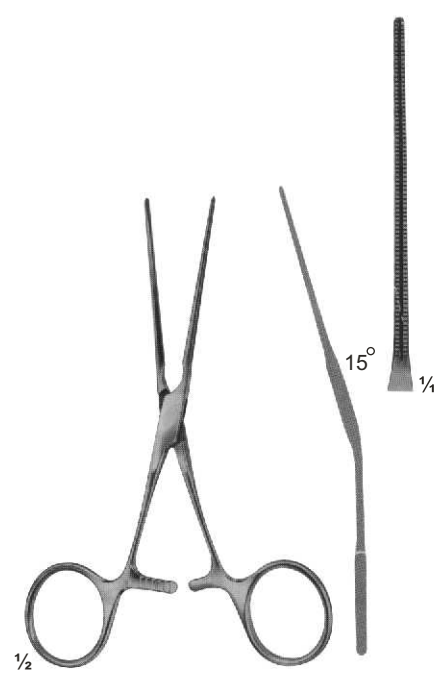


**17-282**  
50mm

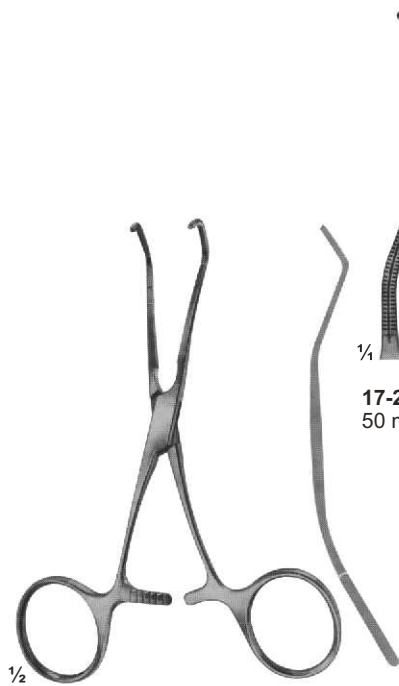
**17-281 - 282**  
COOLEY  
125 mm, 115 mm



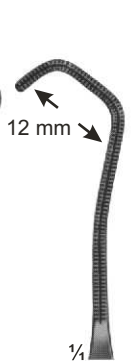
**17-283**  
COOLEY  
100 mm



**17-284**  
COOLEY  
125 mm

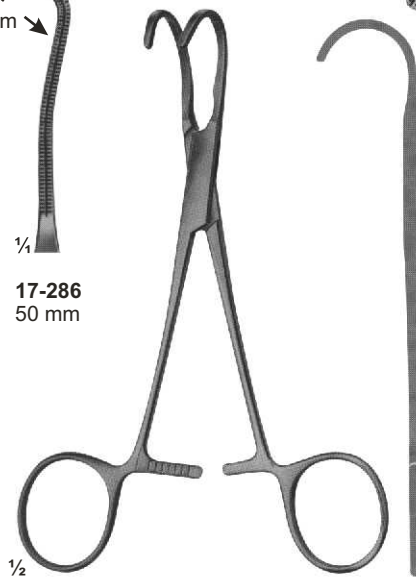


**17-285**  
50 mm

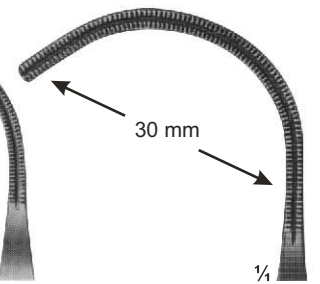


**17-286**  
50 mm

**17-285 - 286**  
COOLEY  
120 mm, 115 mm



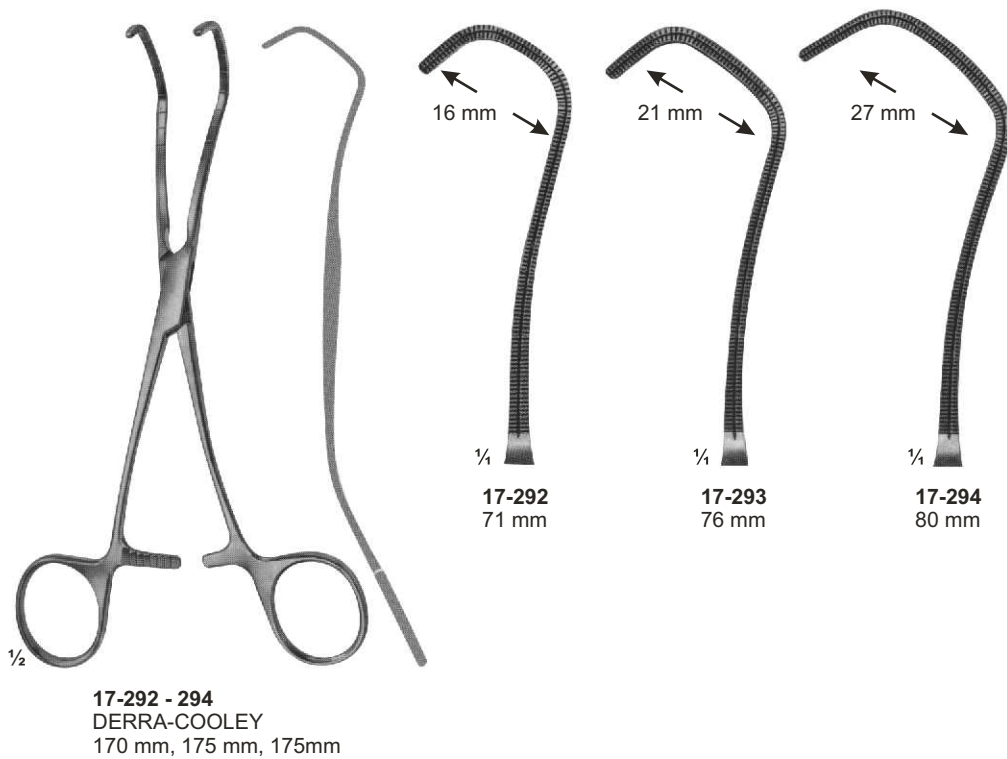
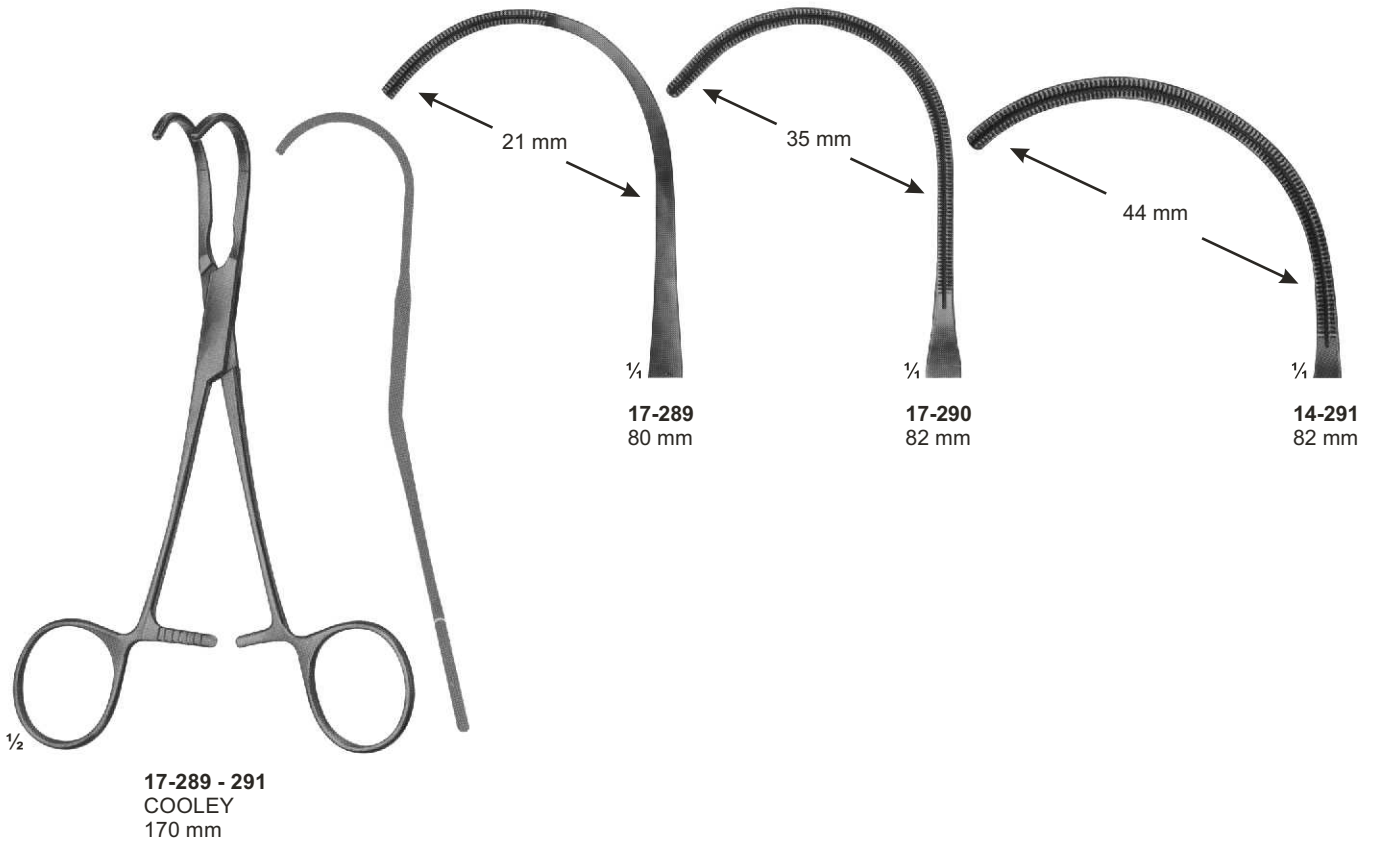
**17-287**  
56 mm



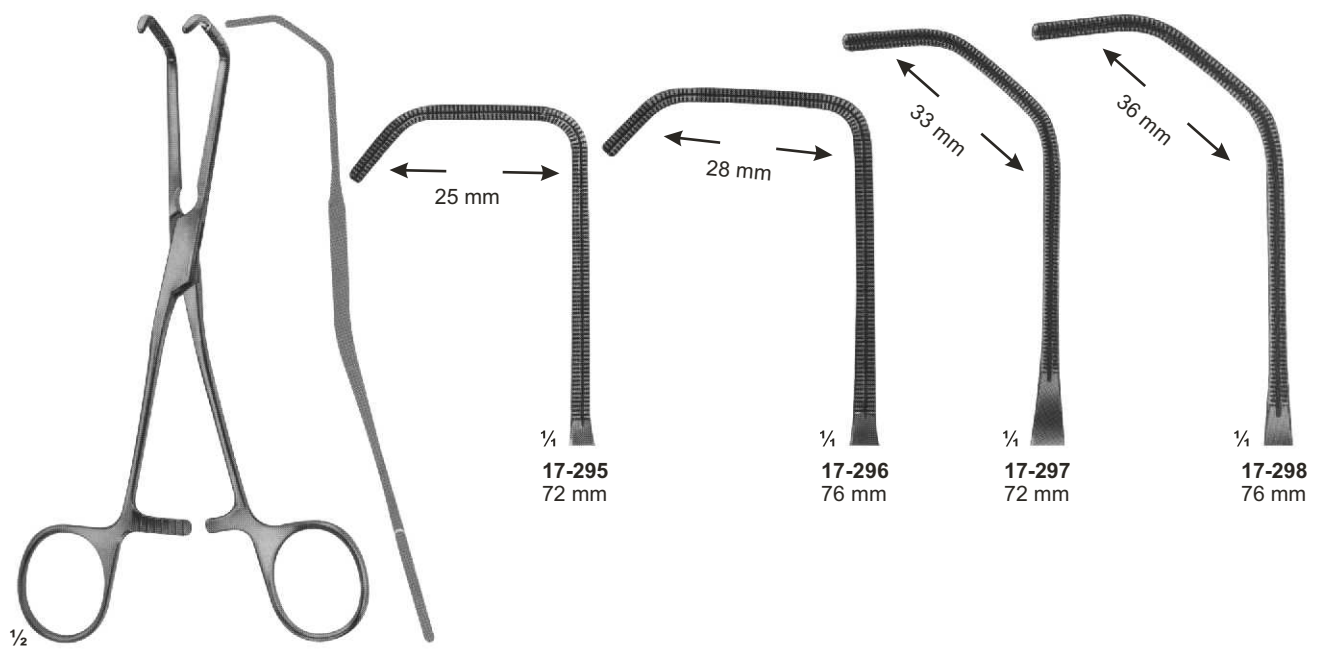
**17-288**  
63 mm

**17-287 - 288**  
COOLEY-BACK  
150 mm, 115 mm

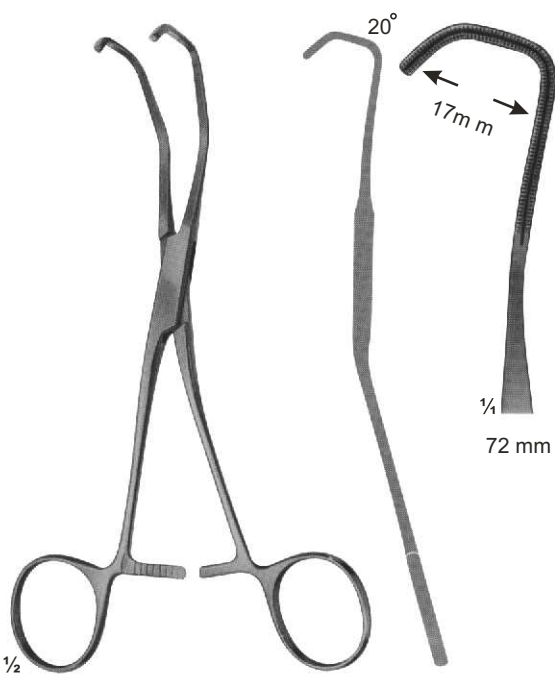
# Aorta-Anastomosis Clamps



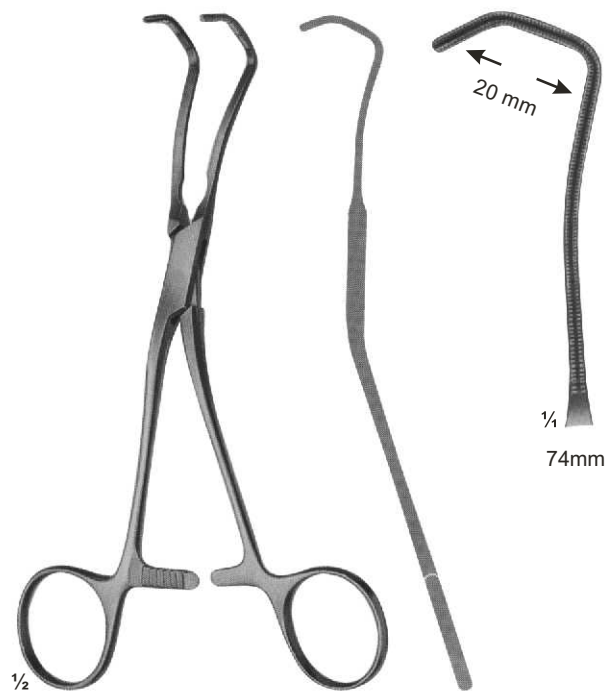
# Aorta-Anastomosis Clamps



**17-295 - 298**  
**COOLEY**  
 165 mm, 165 mm  
 175 mm, 180 mm

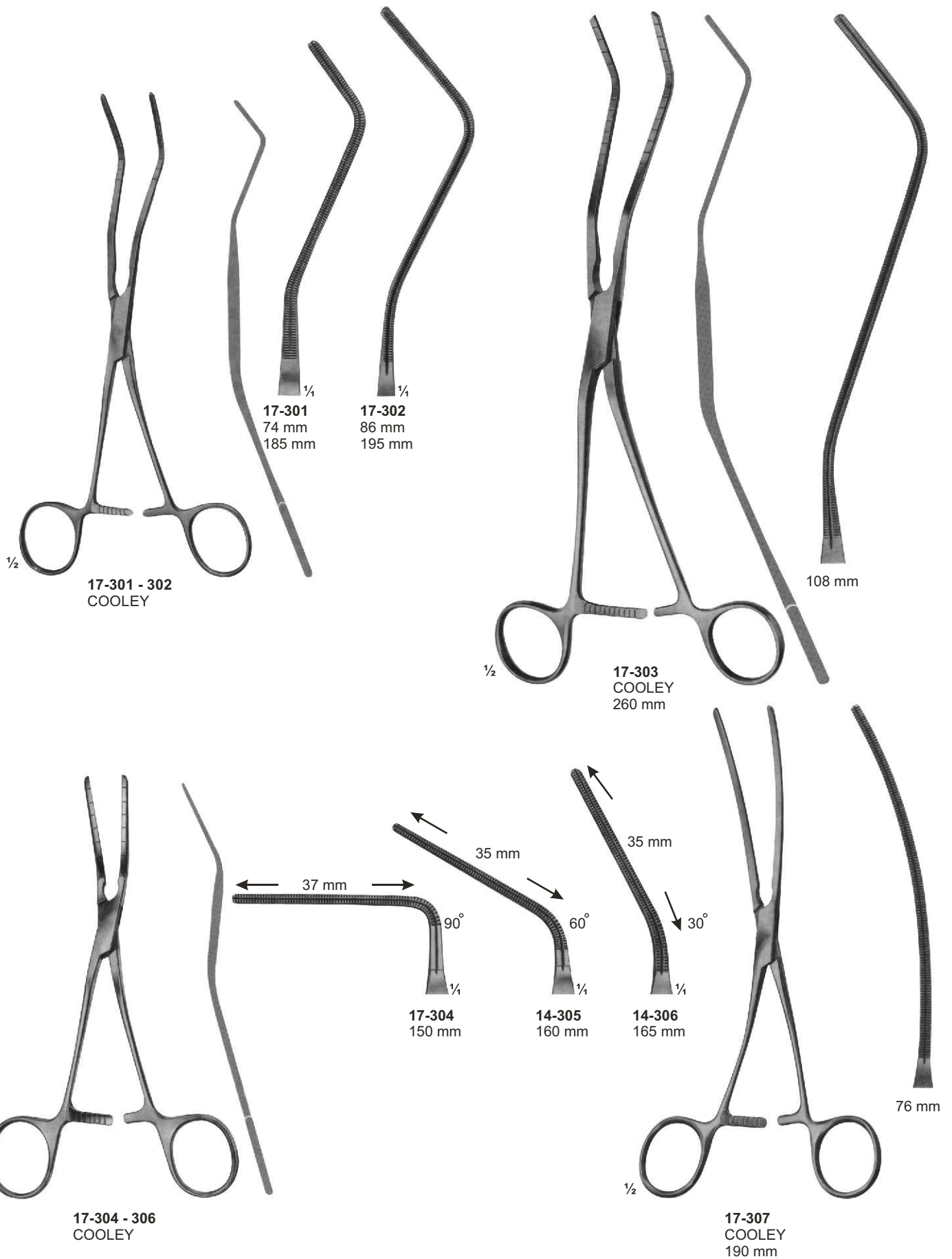


**17-299**  
**COOLEY**  
 170 mm

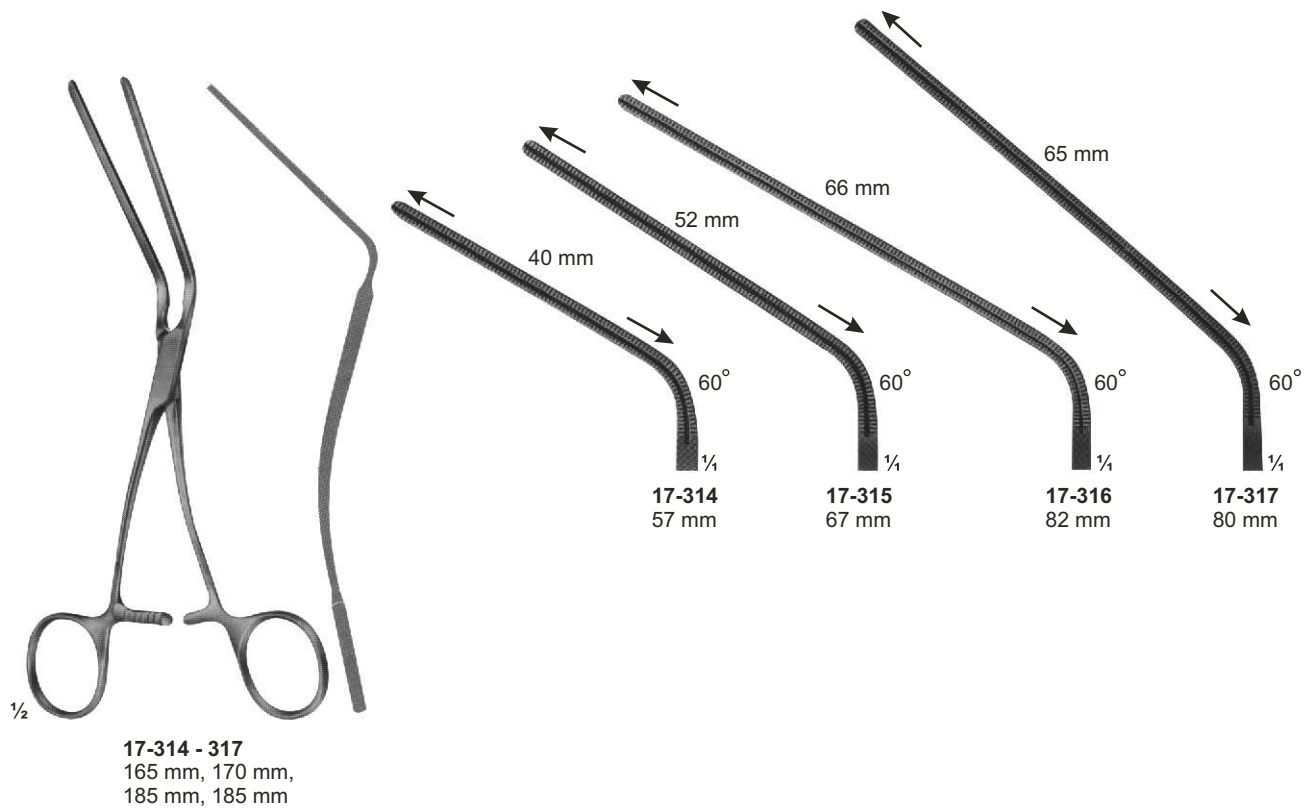
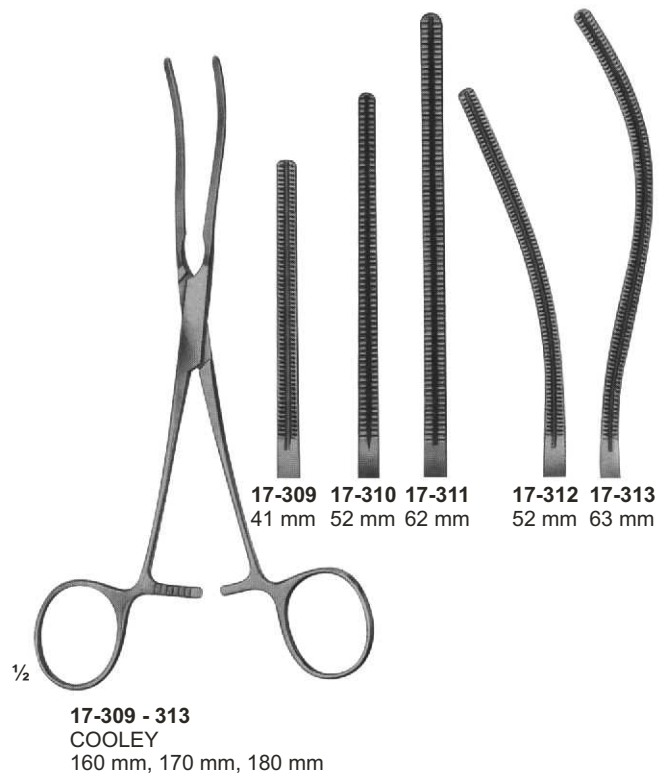
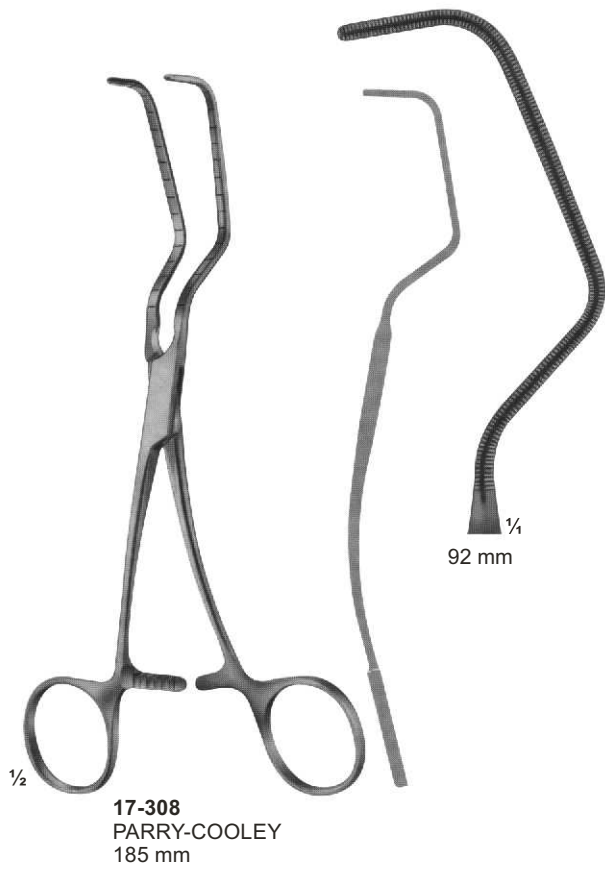


**17-300**  
**COOLEY**  
 175 mm

# Aorta-Anastomosis Clamps



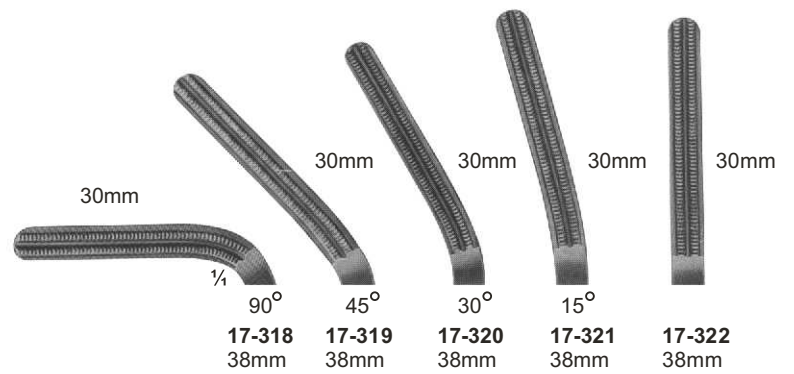
# Aorta-Anastomosis Clamps



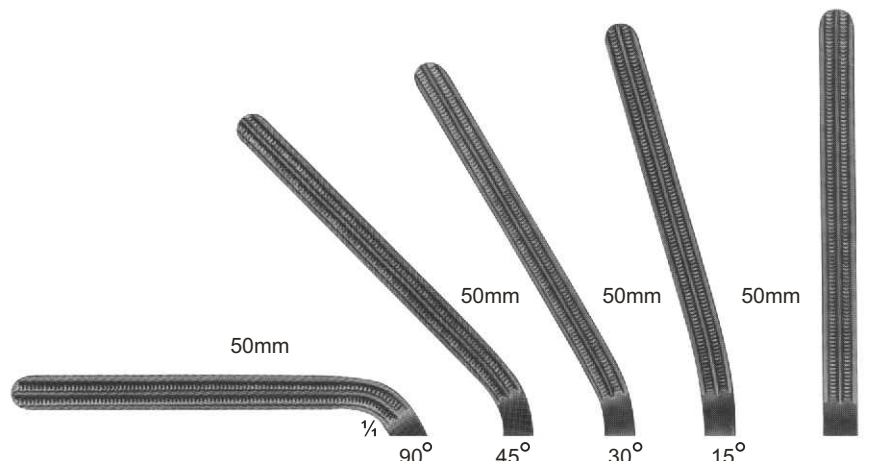
# Multi-Purpose Clamps



DARDIK			
17-318	150 mm	17-323	170 mm
17-319	150 mm	17-324	170 mm
17-320	150 mm	17-325	170 mm
17-321	145 mm	17-326	160 mm
17-322	130 mm	17-327	135 mm



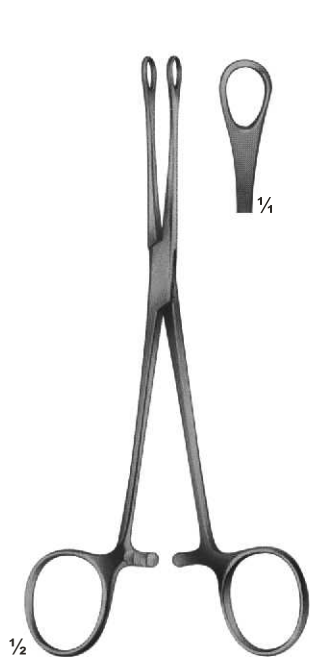
17-318	17-319	17-320	17-321	17-322
38mm	38mm	38mm	38mm	38mm



17-323	17-324	17-325	17-326	17-327
58mm	58mm	58mm	58mm	58mm



# Multi-Purpose Clamps



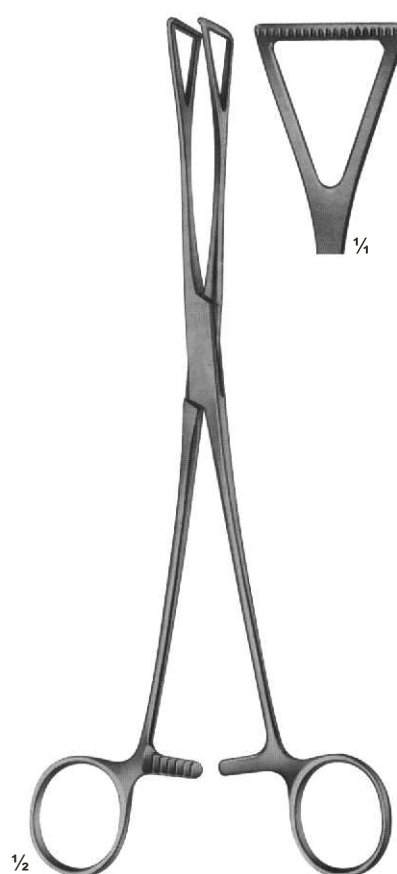
**17-328**  
WILLIAMS  
160 mm



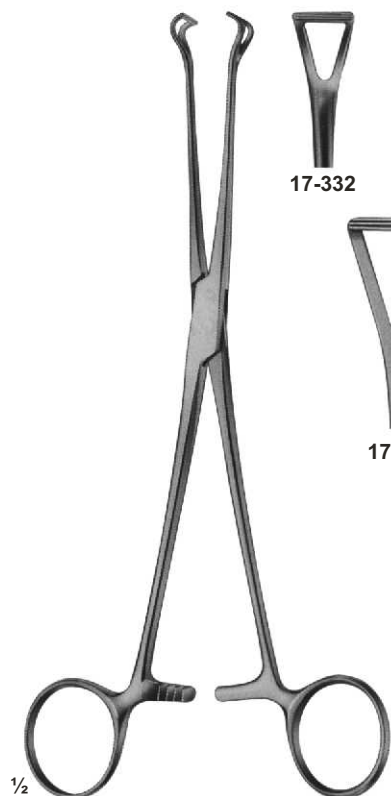
**17-329**  
TUTTLE  
230 mm



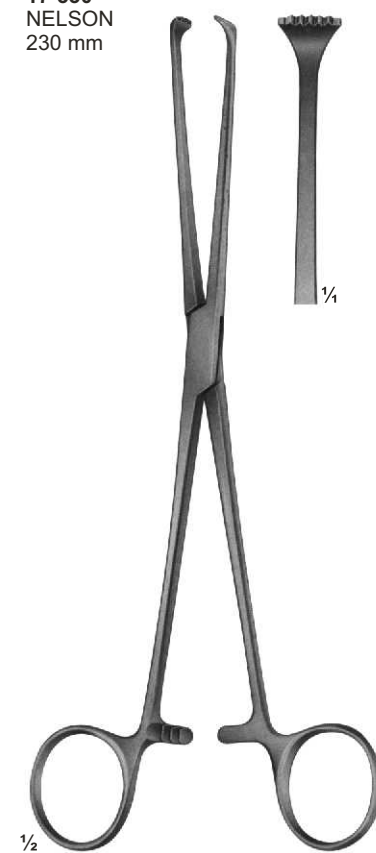
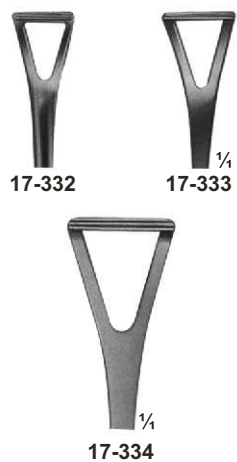
**17-330**  
NELSON  
230 mm



**17-331**  
DUVAL  
230 mm

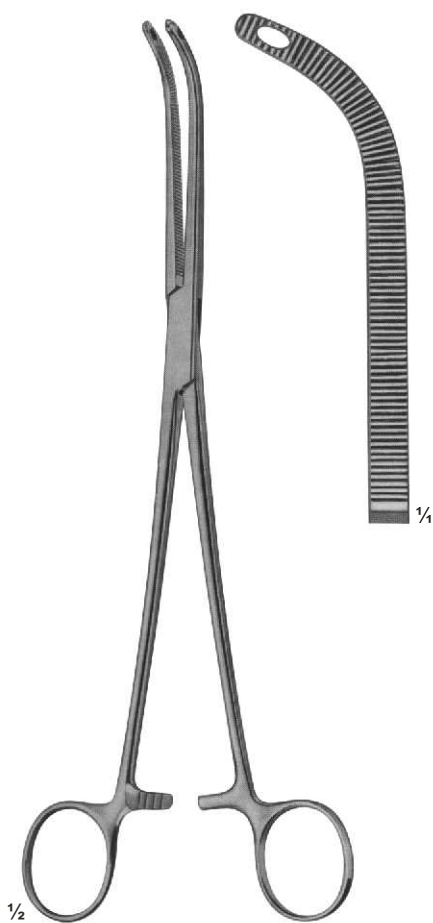


**BABCOCK**  
**17-332** 170 mm  
**17-333** 215 mm  
**17-334** 220 mm

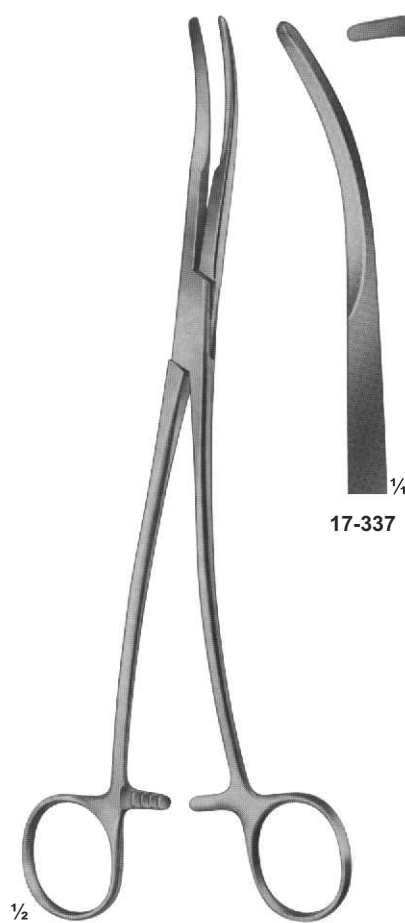


**17-335**  
ALLIS  
220 mm

# Multi-Purpose Clamps

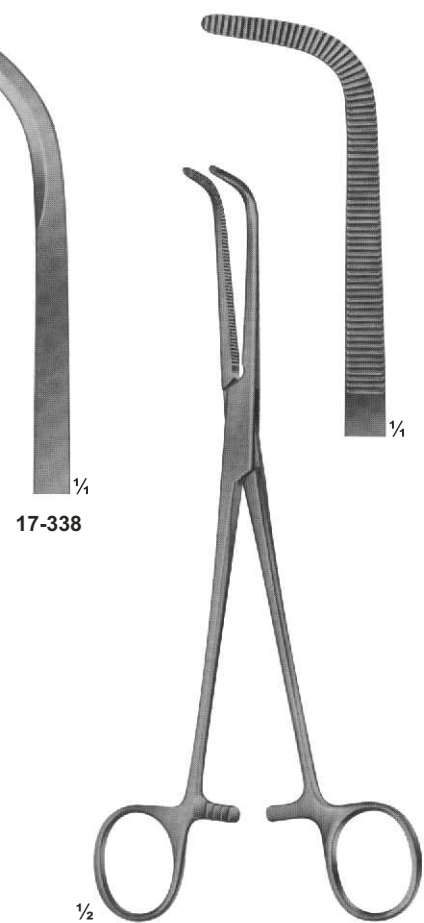


**17-336**  
FINOCHIETTO  
245 mm



**17-337**

**17-337 - 338**  
SEMB  
244 mm



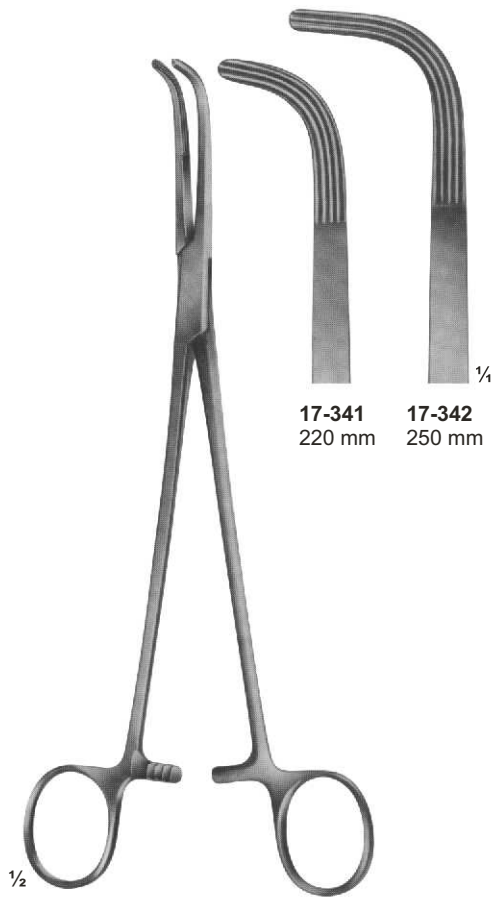
**17-338**

**17-339**  
WIKSTROEM  
205 mm

# Multi-Purpose Clamps

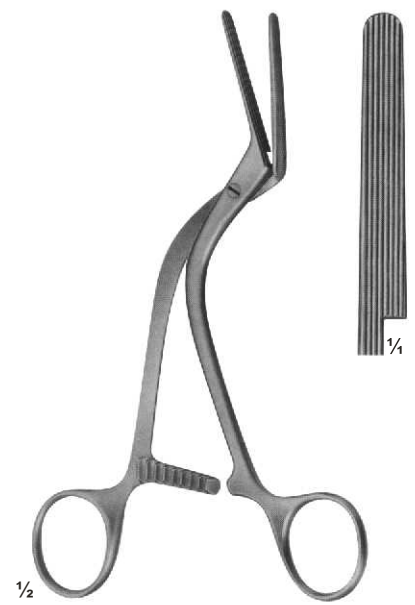


**17-340**  
MIXTER  
230 mm



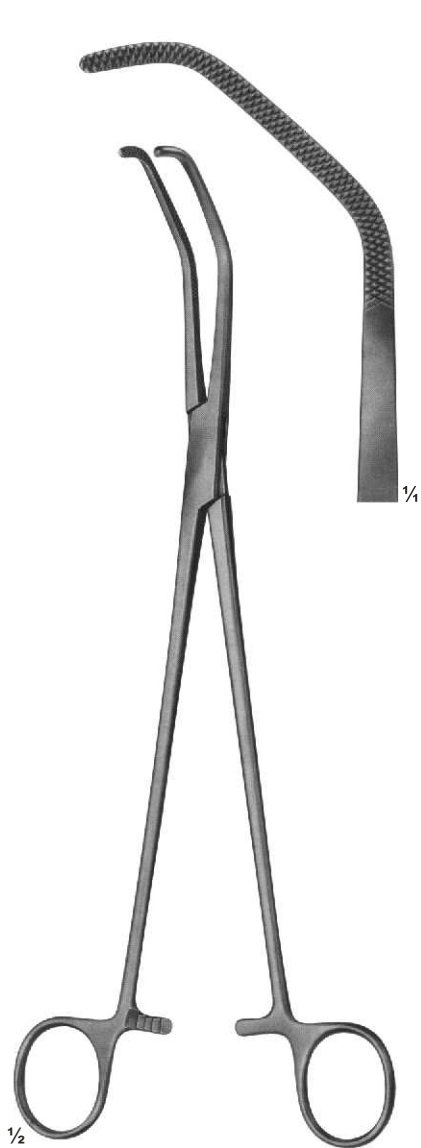
**17-341** 220 mm  
**17-342** 250 mm

**17-341 - 342**  
MIXTER



**17-343**  
HOPFNER  
160 mm

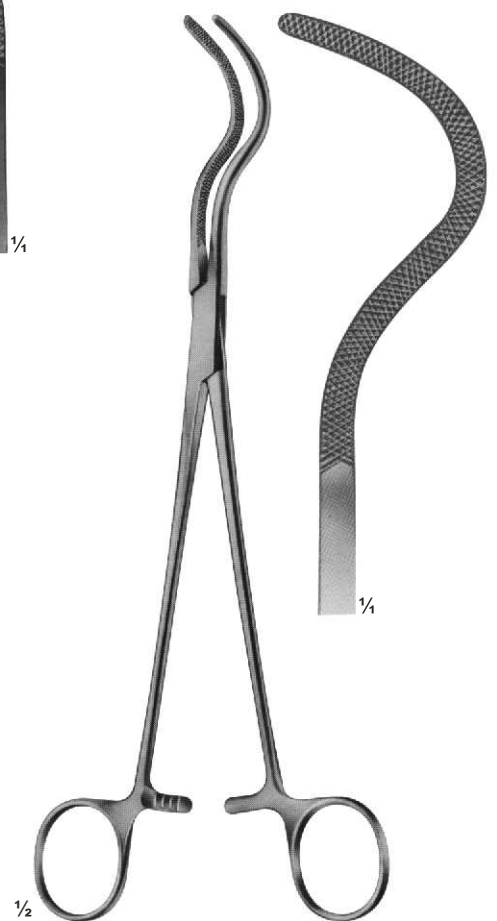
# Multi-Purpose Clamps



**17-344**  
SATINSKY  
265 mm



**17-345**  
SATINSKY  
265 mm

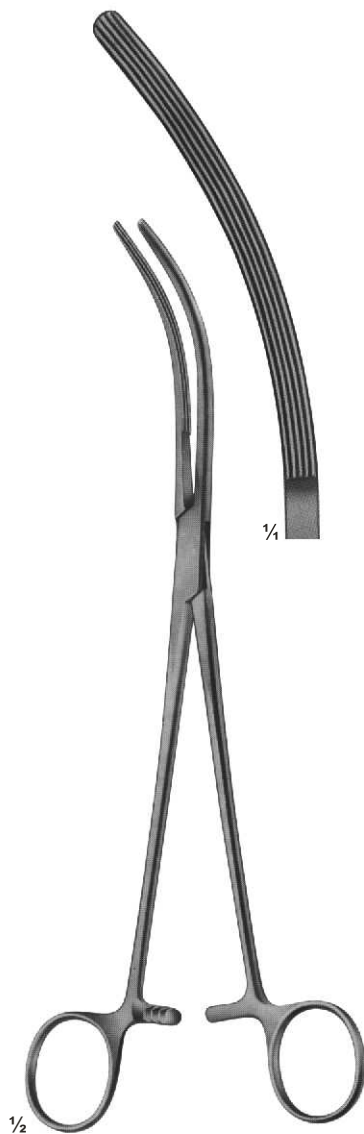


**17-346**  
HARKEN  
240 mm

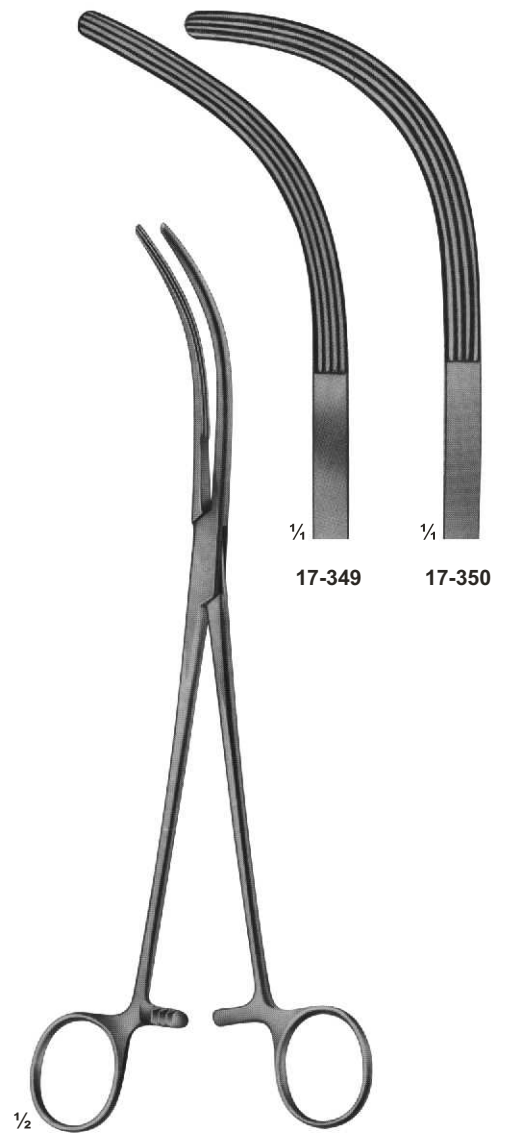
# Multi-Purpose Clamps



**17-347**  
PERTUISET  
Carotid Clamp  
90 mm



**17-348**  
CRAFOORD-SELLORS  
240 mm



**17-349 - 350**  
CRAFOORD  
240 mm

# Multi-Purpose Clamps



**17-351**  
PRICE THOMAS  
225 mm



**17-352**  
jaws with pins

**17-353**  
jaws with pins

**17-352 - 353**  
PRICE THOMAS  
225 mm



# Rib Shears



**17-354**  
SCHUMACHER  
Sternum shears  
210 mm



**17-355**  
LEBSCHKE  
Sternum chisel  
200 mm



**17-356**  
230 mm



**17-357**  
COLLIN  
195 mm



**17-358**  
GLUCK  
190 mm



**17-359**  
GLUCK  
190 mm

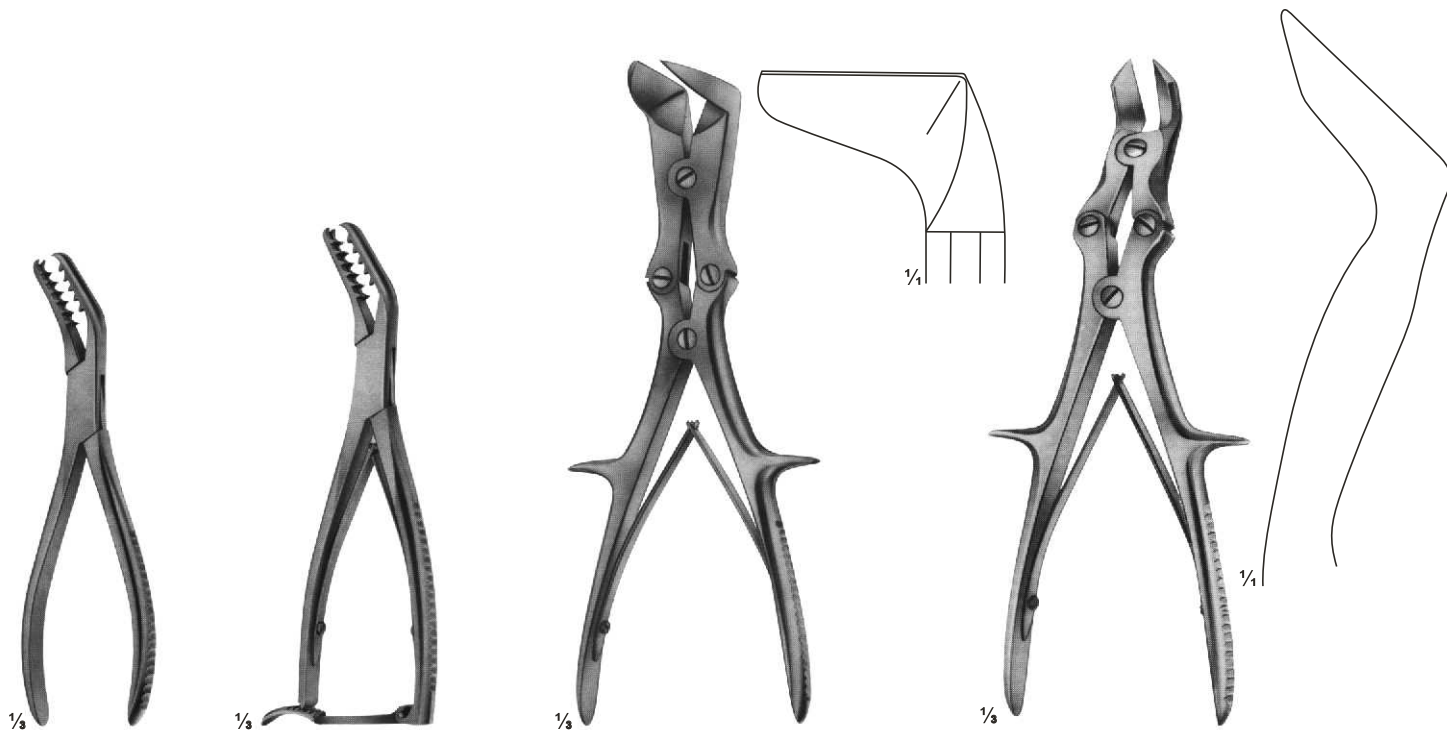


**17-360**  
BRUNNER  
Universal Pattern  
340 mm



**17-361**  
GIERTZ-STILLE  
250 mm

# Rib Holding Forceps, Bone Cutting Forceps

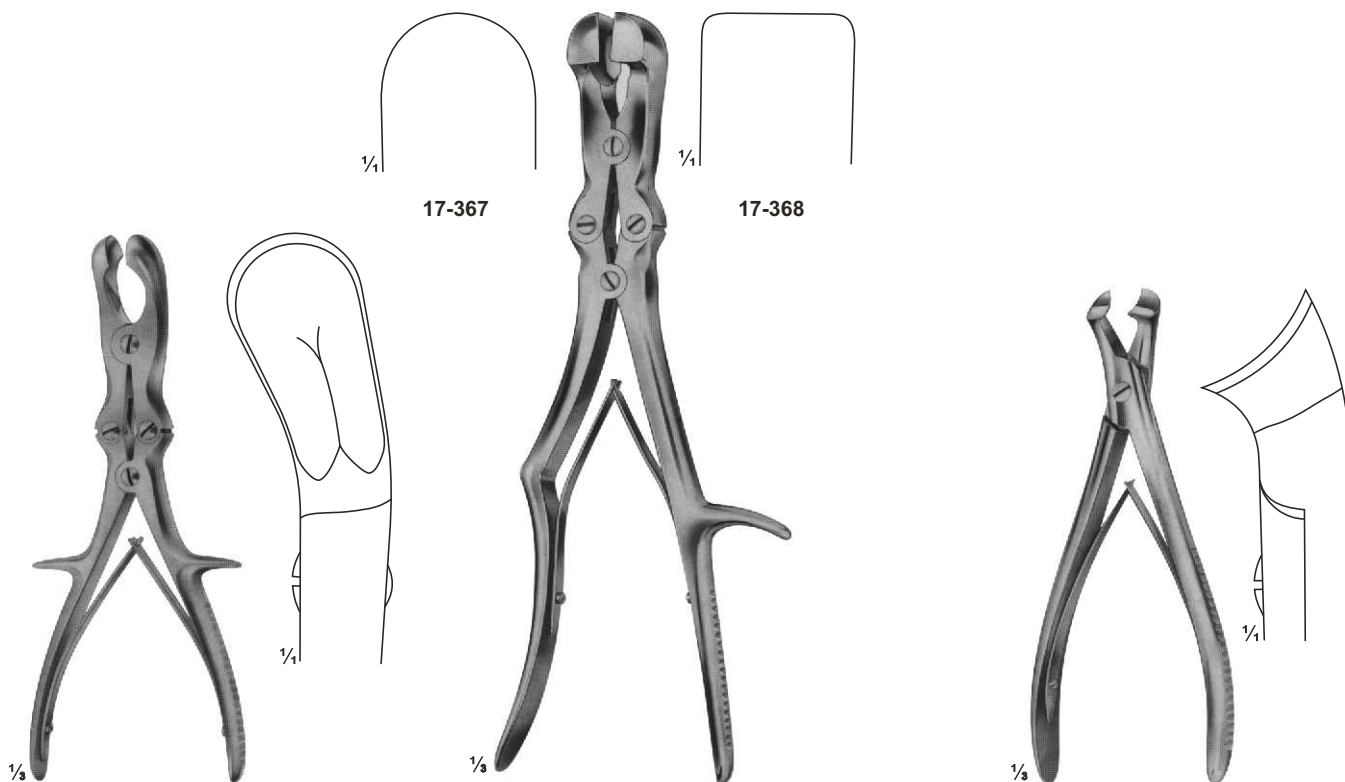


**17-362**  
SEMB  
Rib-and Bone  
Holding forceps  
190 mm

**17-363**  
SEMB  
Rib-and Bone  
Holding forceps  
190 mm

**17-364**  
LISTON-STILLE  
265 mm

**17-365**  
LISTON-KEY-HORSLEY  
255 mm

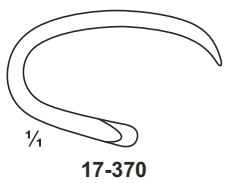


**17-366**  
SEME  
Rib Rongeur to shorten  
the rib stumps  
240 mm

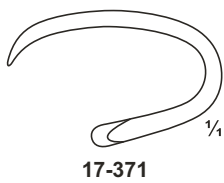
**17-367-368**  
SAUERDRUCH-CORYLLOS  
Rib rongeurs to shortn  
the rib stumbe  
310 mm

**17-369**  
MARKWALDER  
Rib Rongeur to Round  
the rib stumps  
190 mm

# Rib Raspatories



17-370



17-371



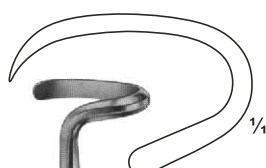
1/2



**17-370 - 371**  
DOYEN  
for children  
175 mm



17-372



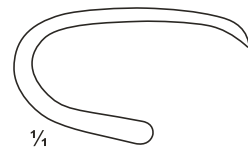
17-373



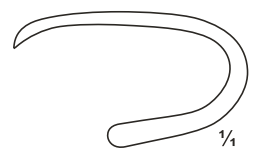
1/2



**17-372 - 373**  
DOYEN  
for adults  
175 mm



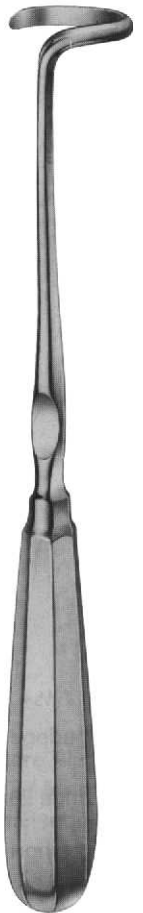
17-374



17-375

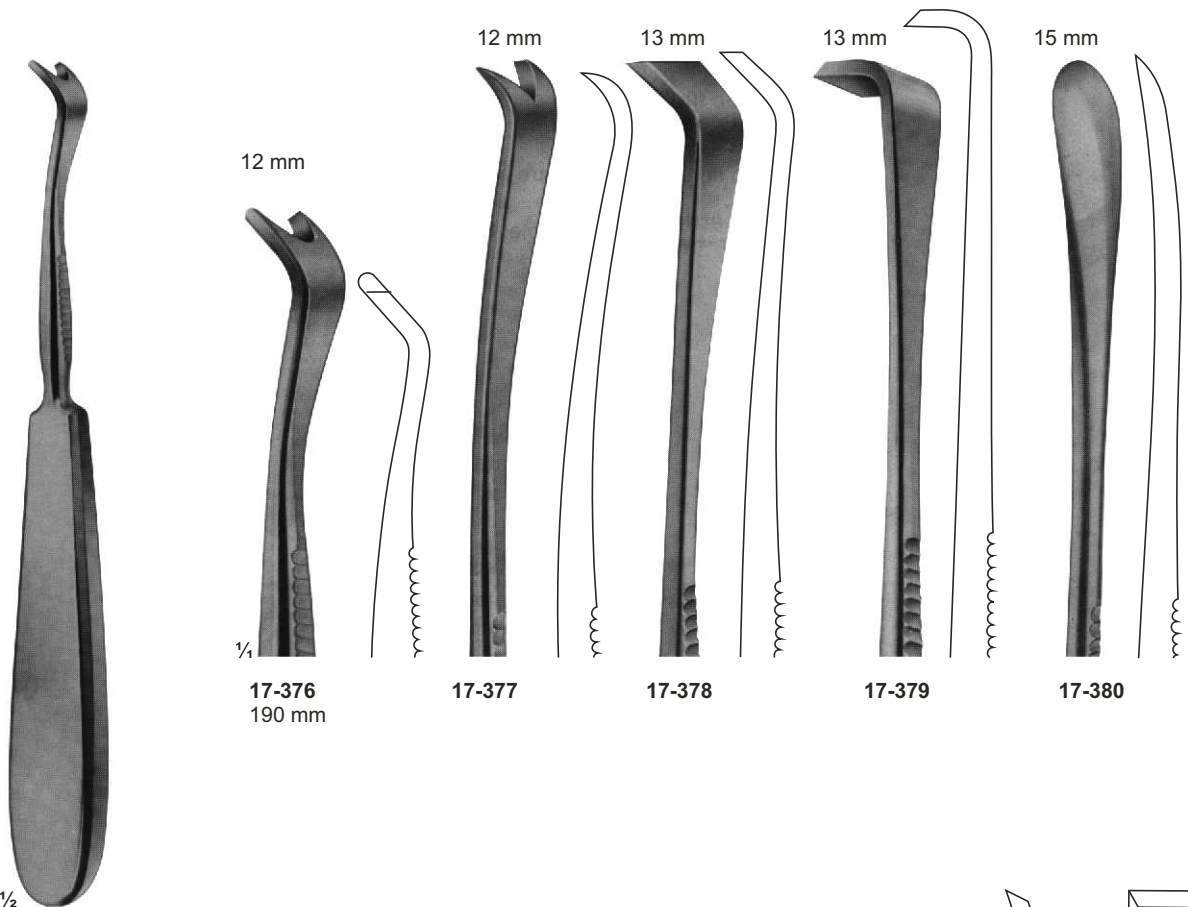


1/2

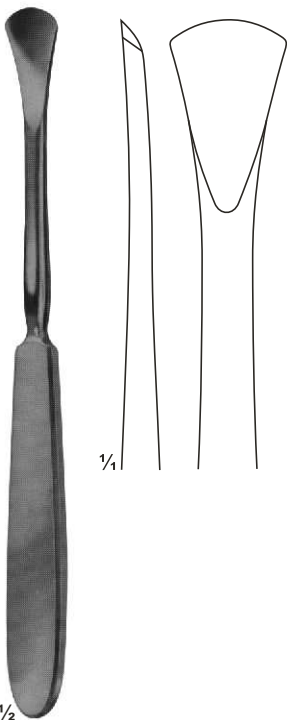


**17-374 - 375**  
DOYEN  
240 mm

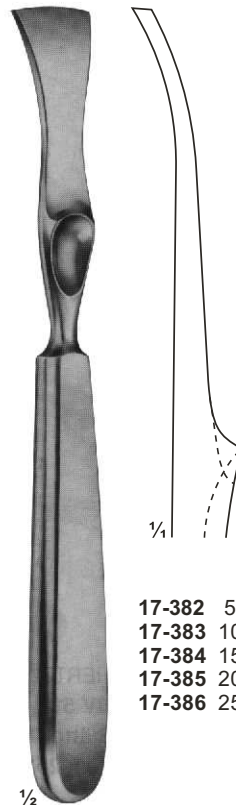
# Rib Raspatories



1/2  
17-376 - 380  
SEMB  
230 mm

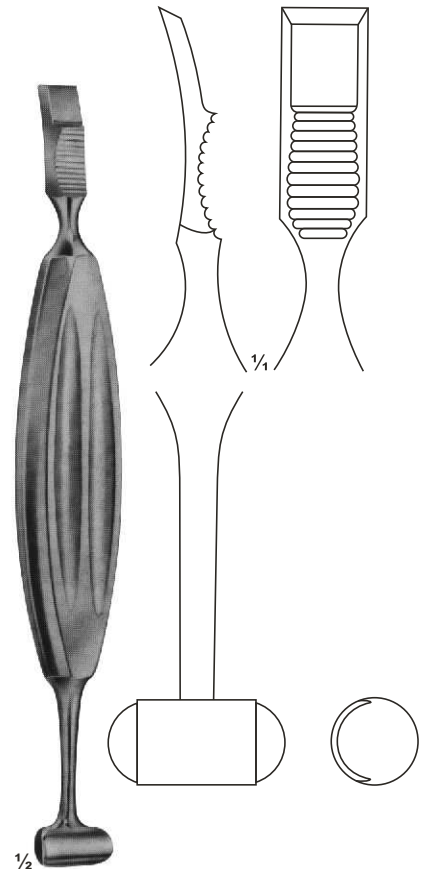


17-381  
LANGENBECK  
190 mm



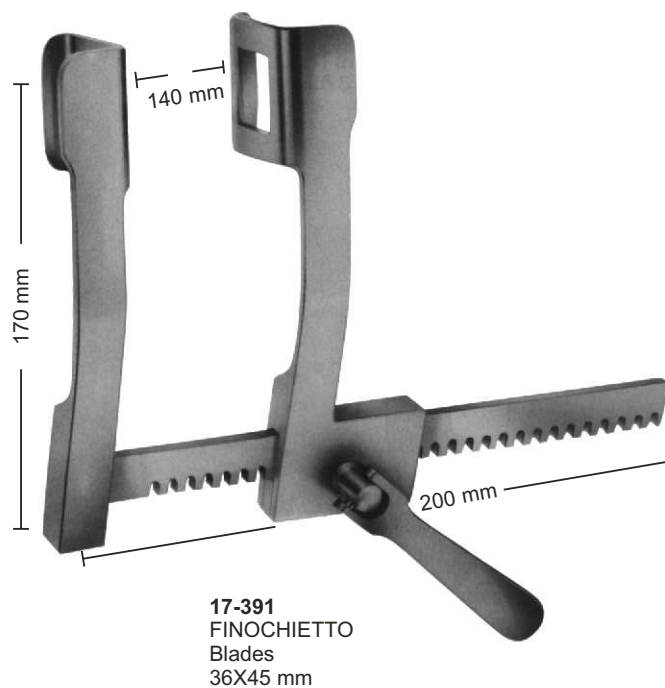
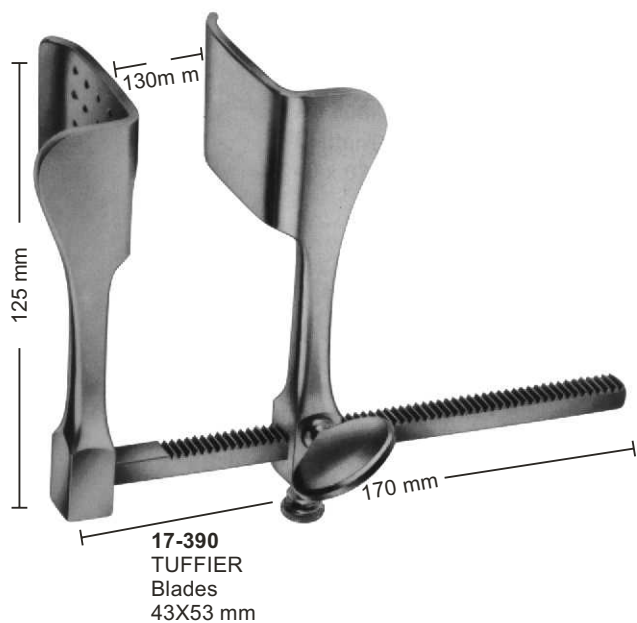
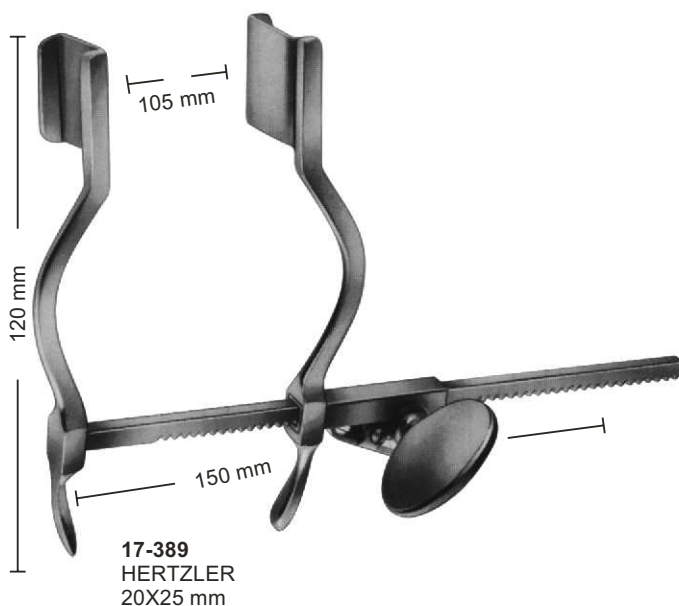
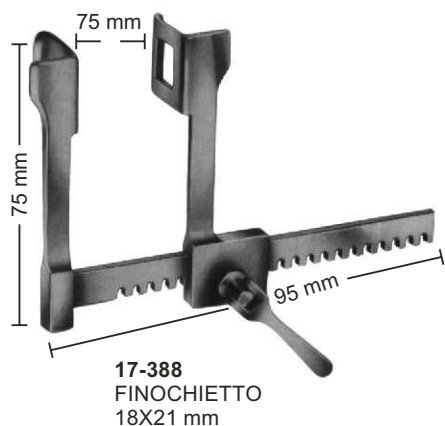
17-382 5 mm  
17-383 10 mm  
17-384 15 mm  
17-385 20 mm  
17-386 25 mm

17-382 - 386  
LAMBOTTE  
215 mm

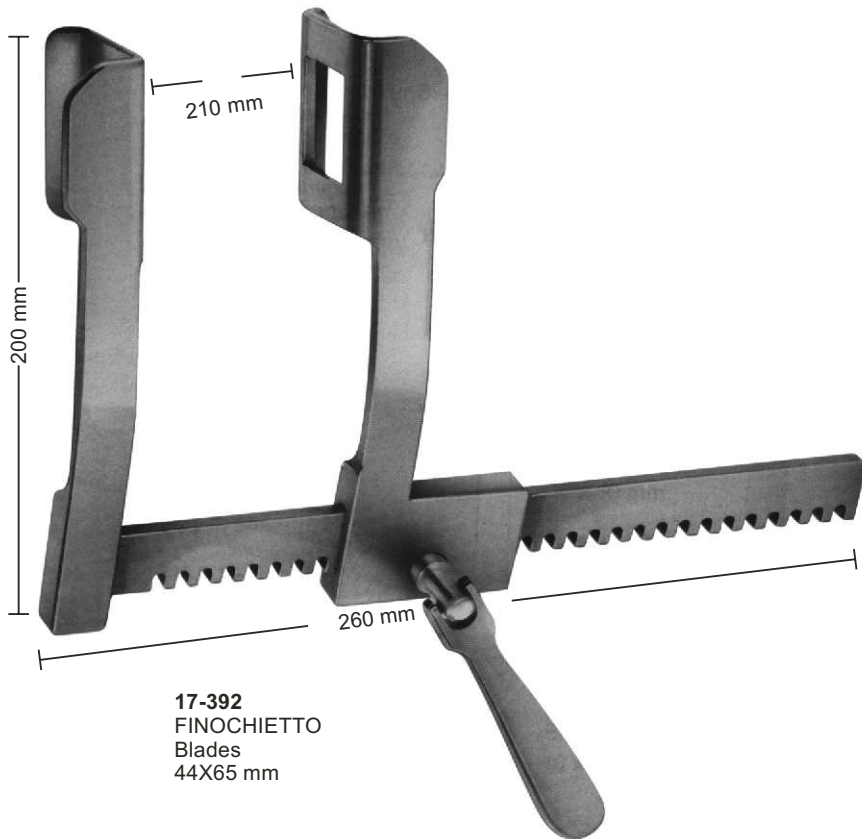


17-387  
ALEXANDER  
210 mm

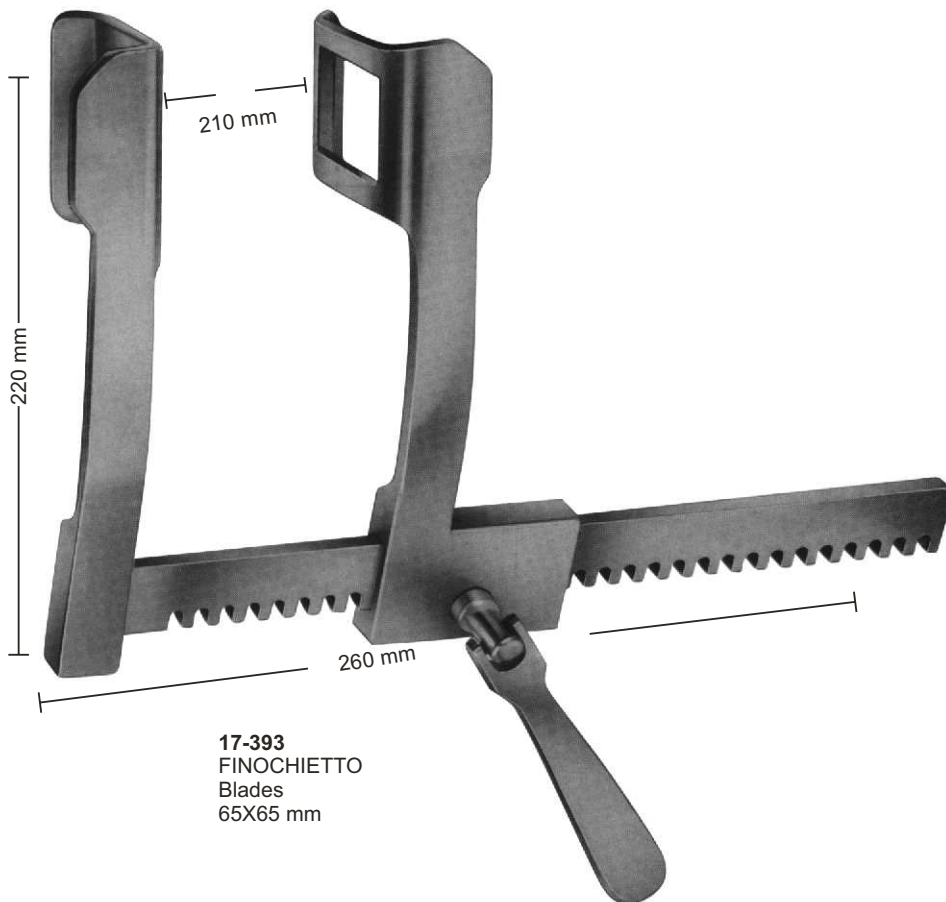
# Rib Spreaders



# Rib Spreaders



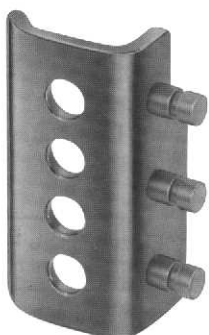
**17-392**  
FINOCHIETTO  
Blades  
44X65 mm



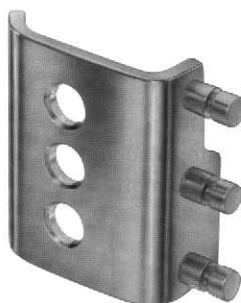
**17-393**  
FINOCHIETTO  
Blades  
65X65 mm



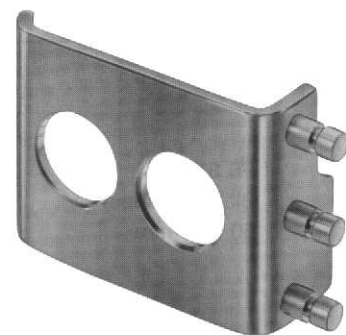
# Rib Spreaders



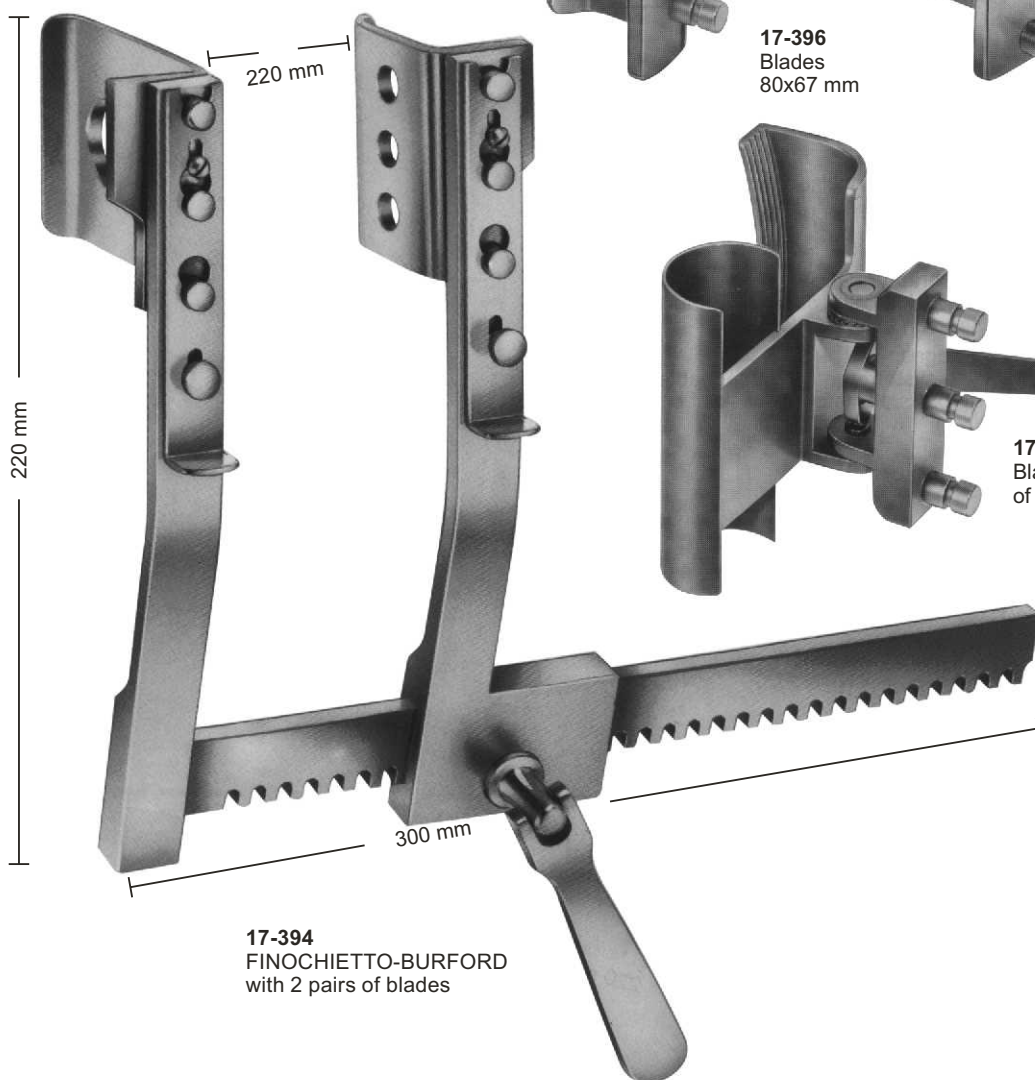
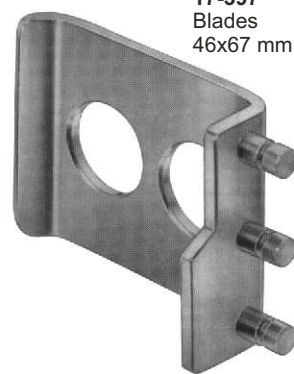
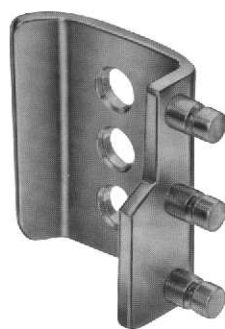
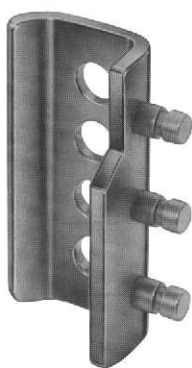
**17-395**  
Blades  
46x67 mm



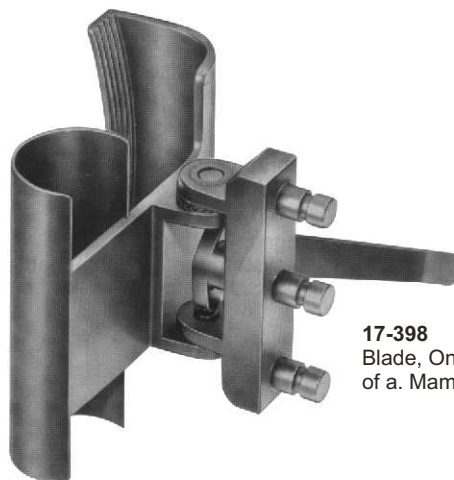
**17-396**  
Blades  
80x67 mm



**17-397**  
Blades  
46x67 mm

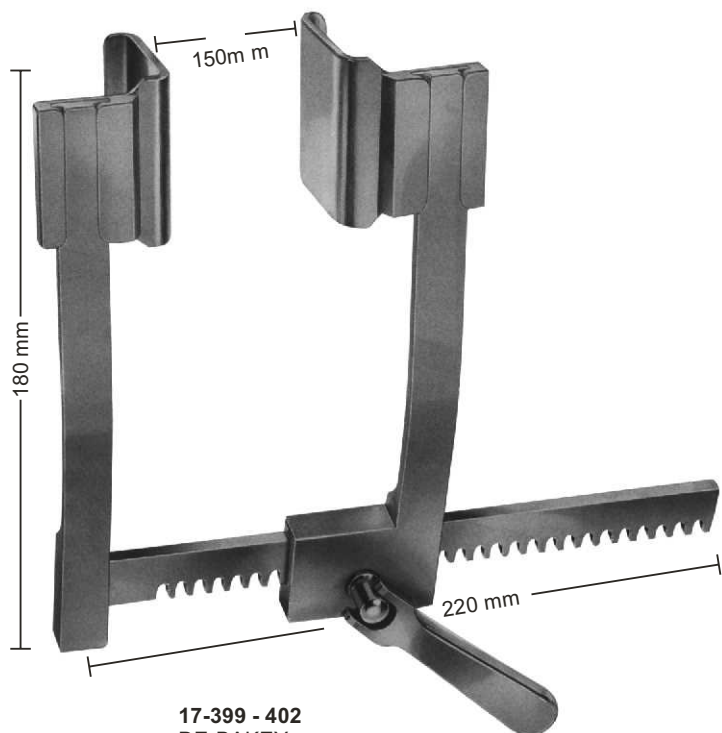


**17-394**  
FINOCHIETTO-BURFORD  
with 2 pairs of blades

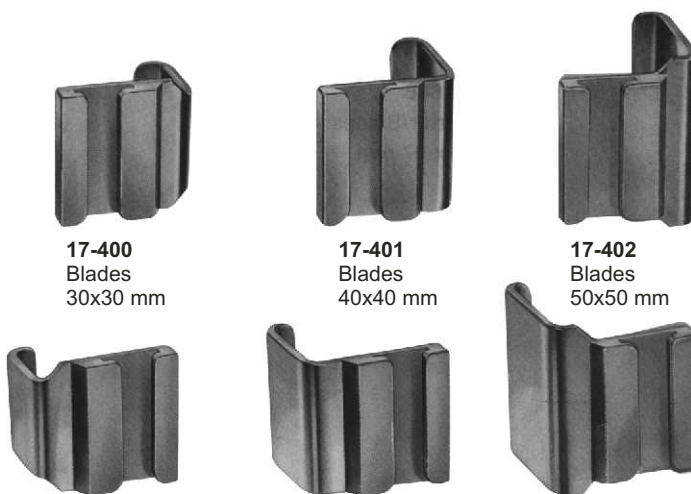


**17-398**  
Blade, Only, for preparation  
of a. Mammaria, 25.5x80mm

# Rib Spreaders



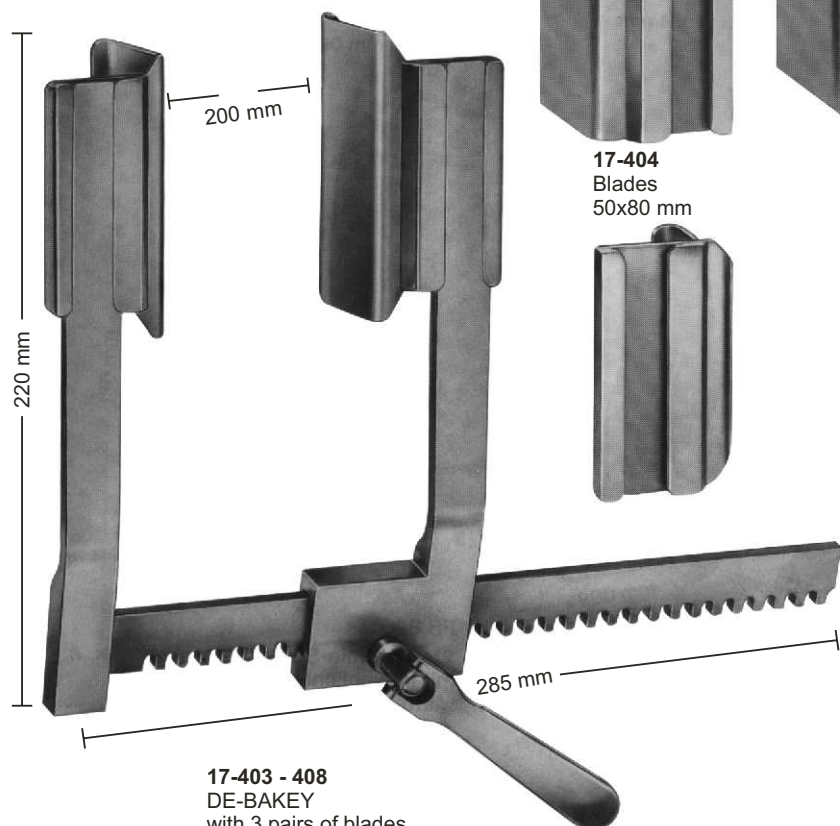
**17-399 - 402**  
DE-BAKEY  
with 3 pairs of blades



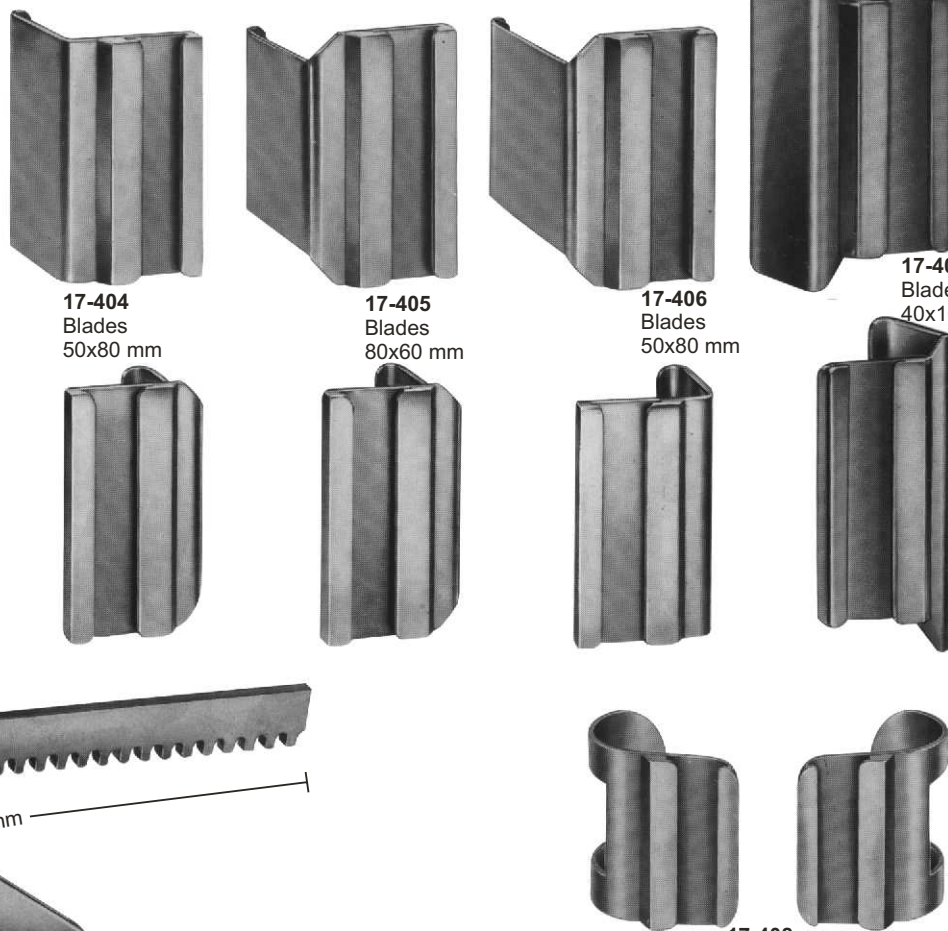
**17-400**  
Blades  
30x30 mm

**17-401**  
Blades  
40x40 mm

**17-402**  
Blades  
50x50 mm



**17-403 - 408**  
DE-BAKEY  
with 3 pairs of blades



**17-404**  
Blades  
50x80 mm

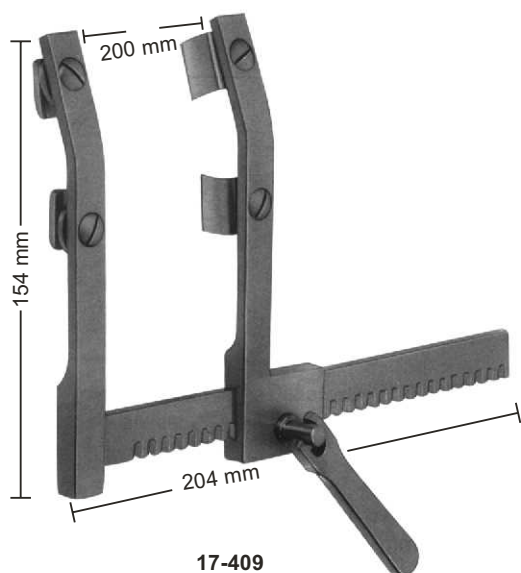
**17-405**  
Blades  
80x60 mm

**17-406**  
Blades  
50x80 mm

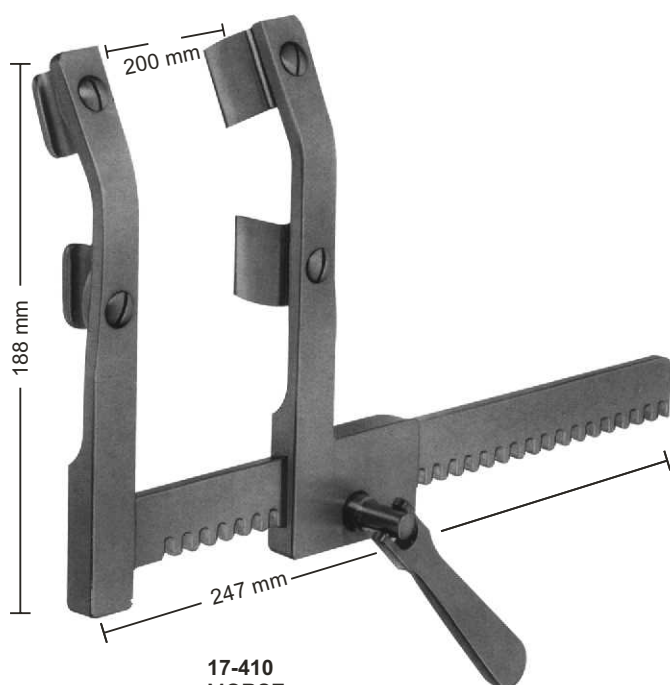
**17-407**  
Blades  
40x100 mm

**17-408**  
Sternotomy Blades  
50x660 mm

# Sternotomy Spreaders

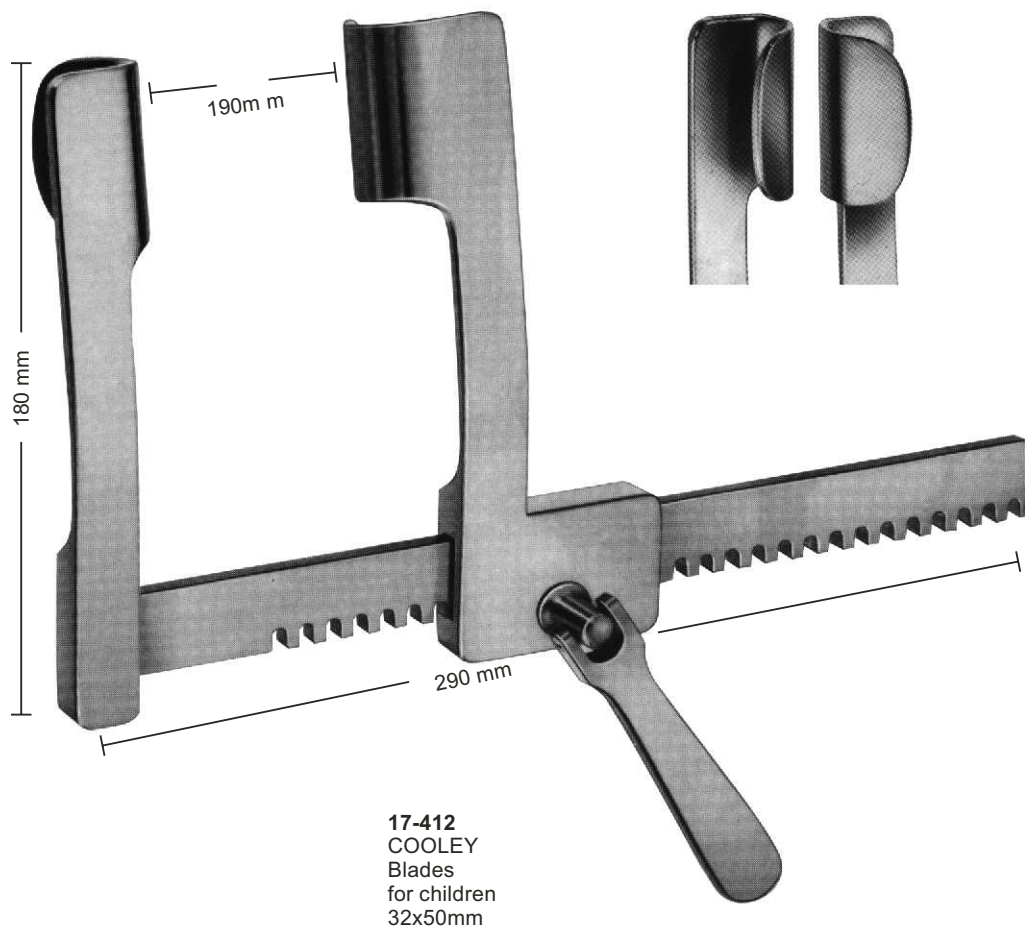
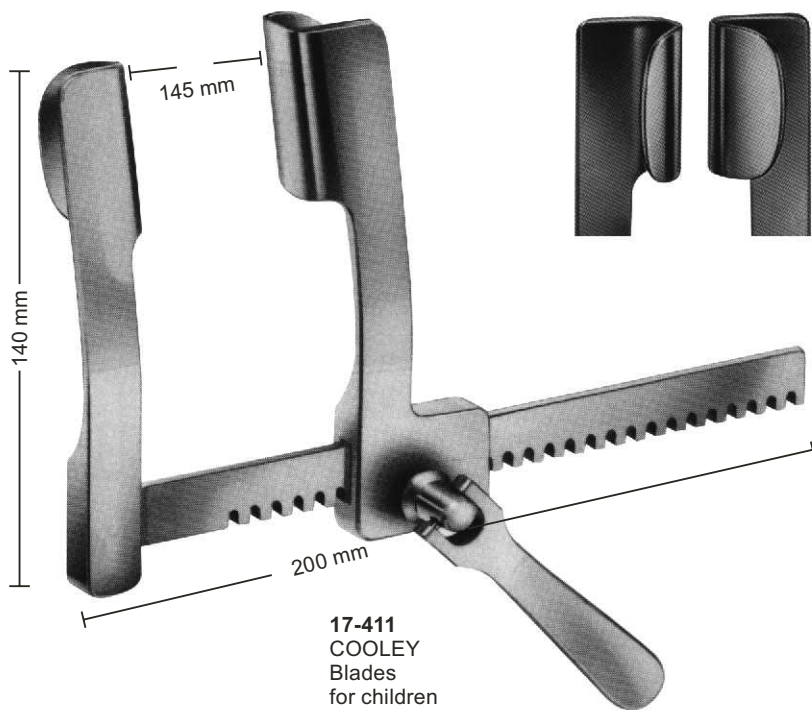


**17-409**  
MORSE  
Sternotomy spreader  
for children, with moveable  
double, each blade  
12x20 mm



**17-410**  
MORSE  
Sternotomy spreader  
for adults, with moveable  
double, each blade  
19x19 mm

# Sternotomy- Spreaders

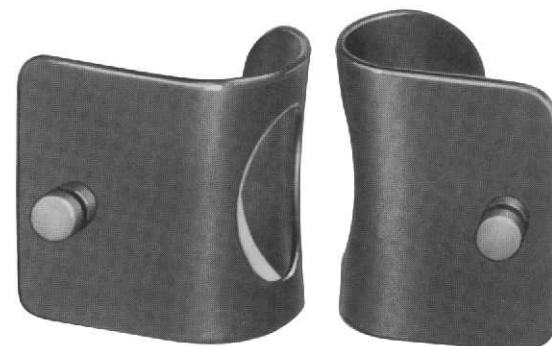




# Thoracic Retractors



**17-414**  
Blades  
75x75 mm



**17-415**  
Blades  
42x65 mm

Blades with Ball Snap System  
Delivery: in Pairs

- 17-413 - 415**  
Thoraxsperrer (Mercedes-Sperrer)  
complete consisting of:  
**17-413** Retractor only  
**17-414** 1 Pair of blades 42x65 mm  
**17-415** 1 Pair of blades 75x75 mm

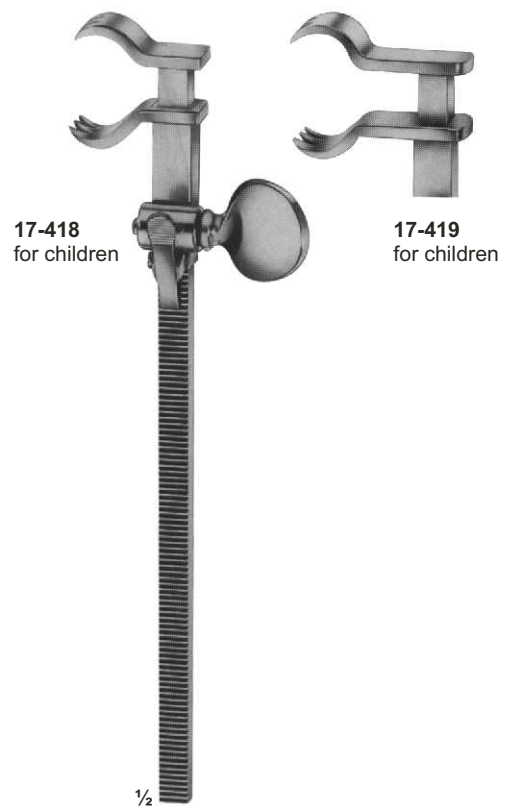
# Rib Spreaders-and Contractors



**17-416**  
SELLORS  
Rib spreader-and contractor  
with swivel blades  
200 mm



**17-417**  
BAILEY  
150 mm



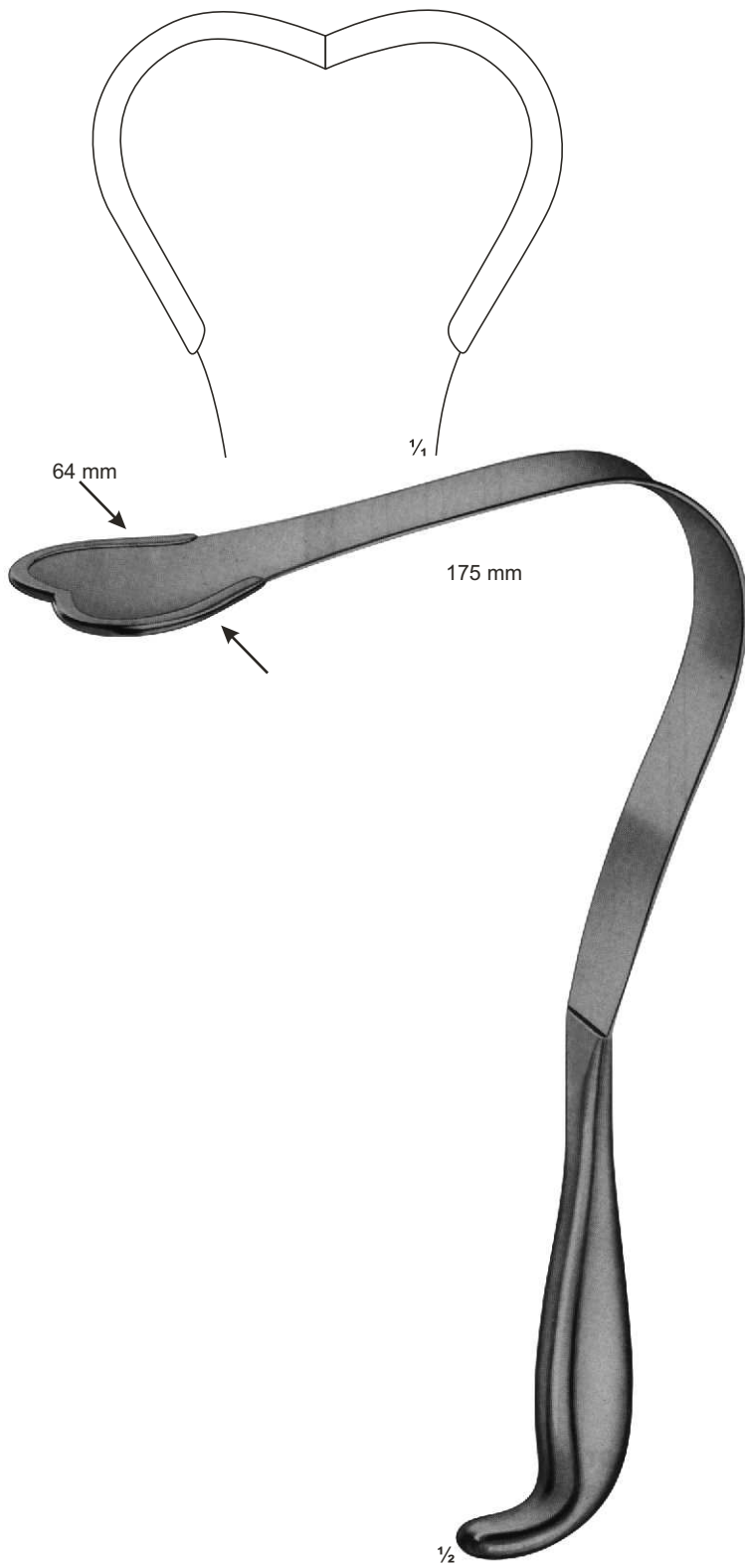
**17-418**  
for children

**17-419**  
for children

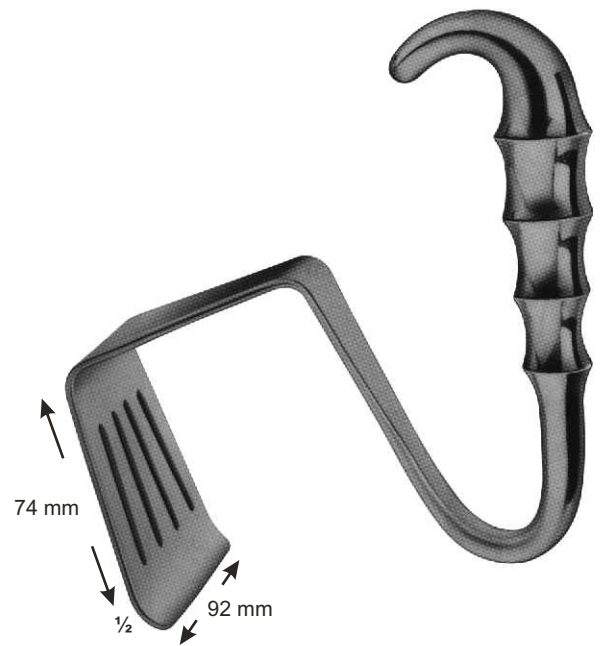
**17-418 - 419**  
BAILEY  
200 mm



# Rib Spreaders-and Contractors



**17-420**  
HARRINGTON-PEMBERTON  
federnd/flexible  
295 mm



**17-421**  
DAVIDSON  
Scalpel haken

# Rib Spreaders-and Contractors



**17-422**  
ALLISON  
255 mm



**17-423**  
ALLISON  
320 mm



$\phi$  6-10 mm  
 $\frac{1}{2}$

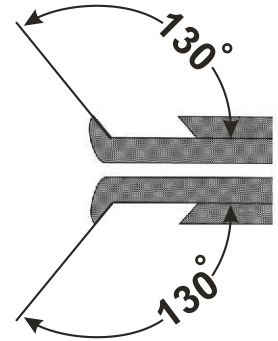
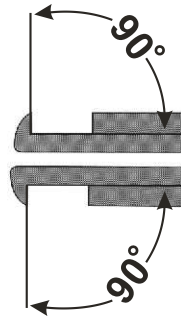
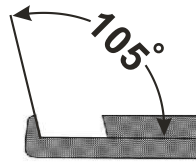
**17-424**  
DE BAKEY  
With central bore,  
3.0mm diam.  
with lateral slots  
275 mm



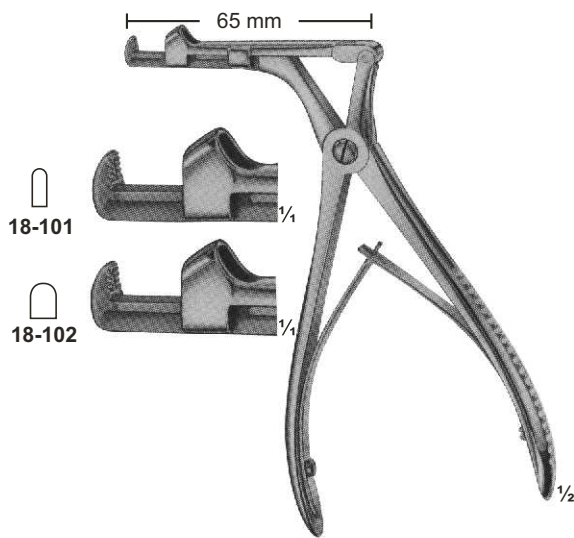
$\phi$  10 mm  
 $\frac{1}{2}$

**17-425**  
YANKAUER  
With central bore,  
2.0mm diam.  
285 mm

# Punches

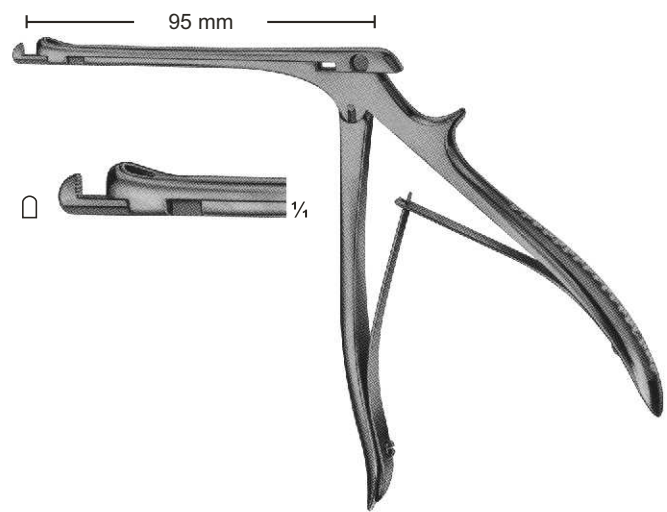


**90°** upwards cutting



**18-101 - 102**  
CITELLI  
2 mm, 3,5 mm

**90°** upwards cutting



**18-103**  
CITELLI- BEYER  
1,8 mm

# Punches

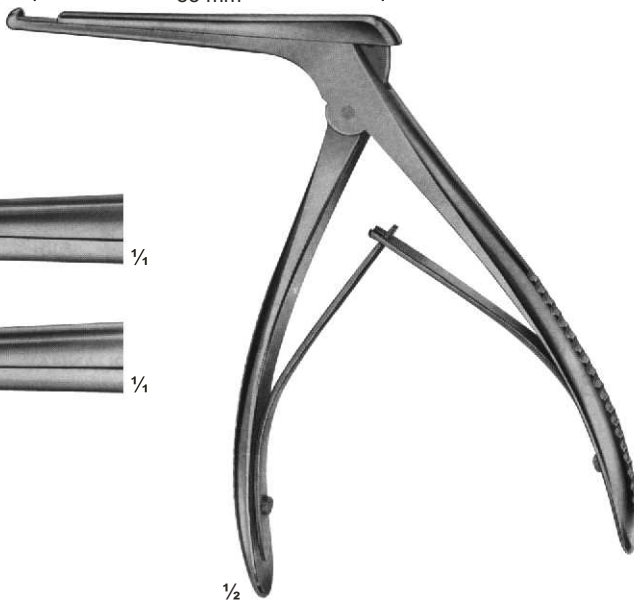
**90°** upwards cutting

85 mm

**18-104**  
4 mm



**18-105**  
5 mm



**18-104 - 105**  
KERRISON

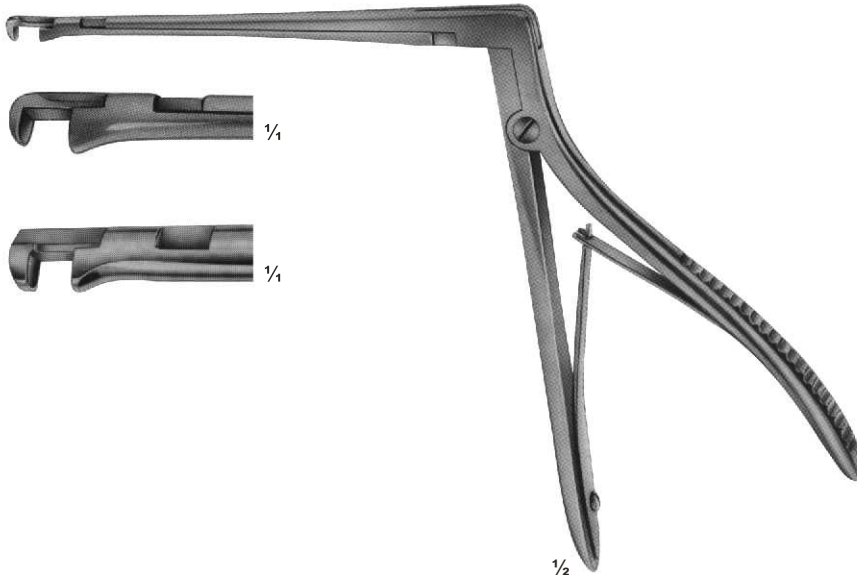
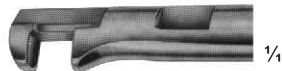
**90°** upwards cutting

140 mm

**18-106**  
3,3 mm



**18-107**  
4,0 mm



**18-106 - 107**  
HAJEK-KOFLER

# Punches

**130°** upwards cutting

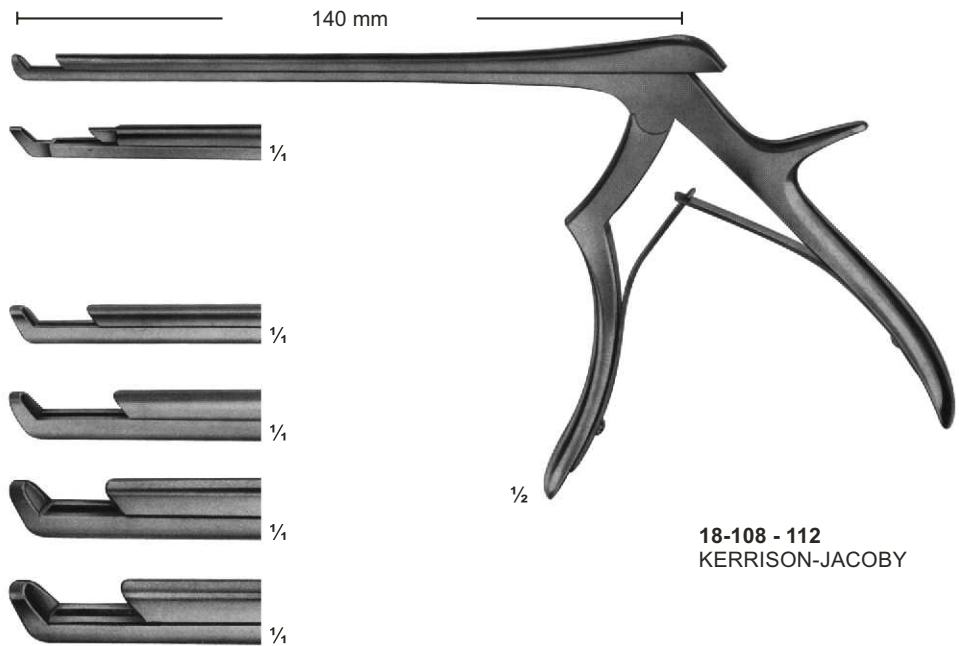
**18-108**  
1 mm □

**18-109**  
2 mm □

**18-110**  
3 mm □

**18-111**  
4 mm □

**18-112**  
5 mm □



**90°** upwards cutting

**18-113**  
1 mm □

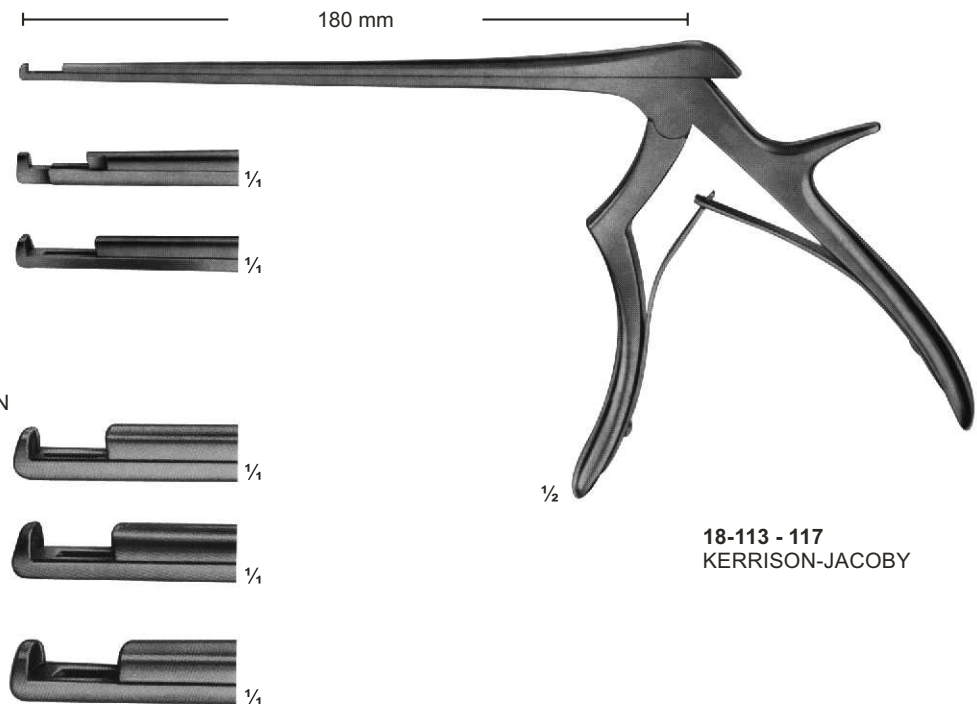
**18-114**  
2 mm □

FERRIS-SMITH-KERRISON

**18-115**  
3 mm □

**18-116**  
4 mm □

**18-117**  
5 mm □



# Rongeurs

Angled positions for rongeurs

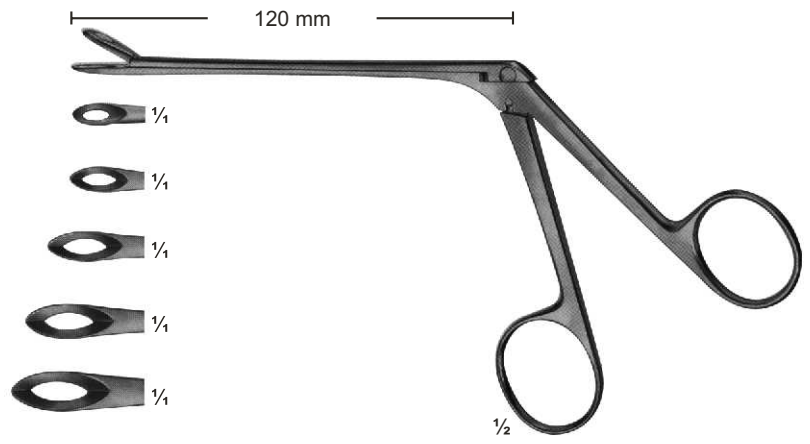
**18-118**  
3,0 mm

**18-119**  
3,6 mm

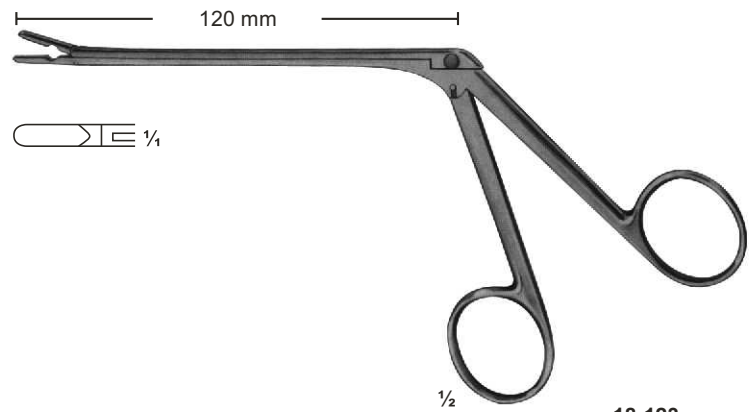
**18-120**  
4,2 mm

**18-121**  
4,8 mm

**18-122**  
5,8 mm

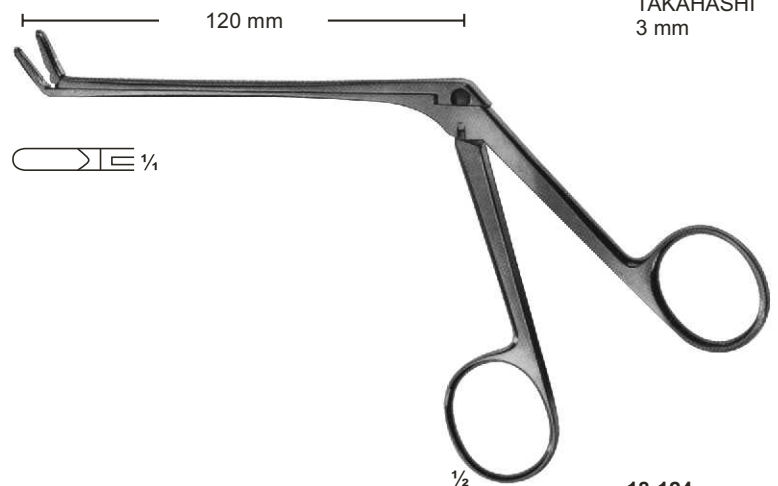


**18-118 - 122**  
WEIL-BLAKESLEY



**18-123**  
TAKAHASHI  
3 mm

**130°**



**18-124**  
TAKAHASHI  
3 mm

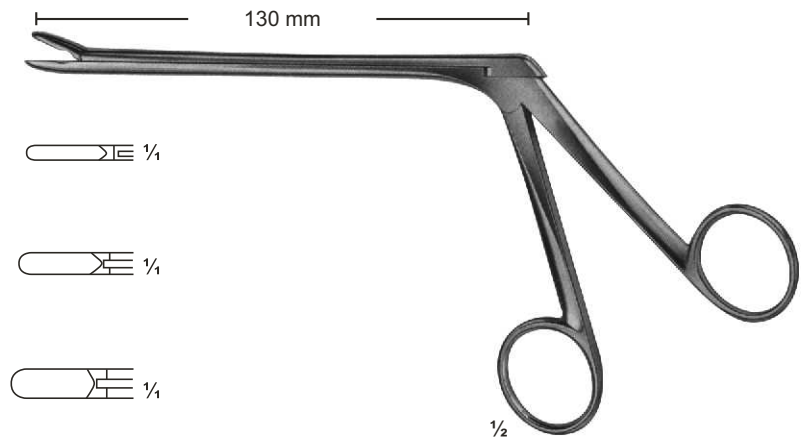


# Rongeurs

**18-125**  
2 X 10 mm

**18-126**  
3 X 10 mm

**18-127**  
4 X 10 mm



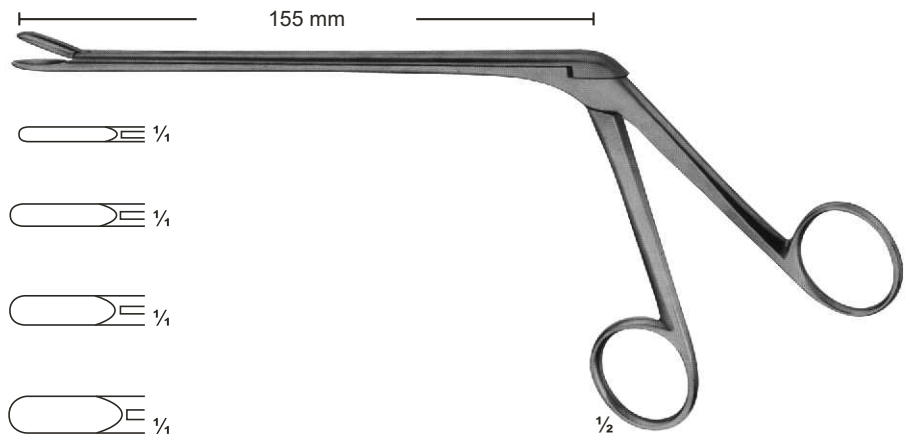
**18-125 - 127**  
LOVE-GRUENWALD

**18-128**  
2 mm

**18-129**  
3 mm

**18-130**  
4 mm

**18-131**  
5 mm

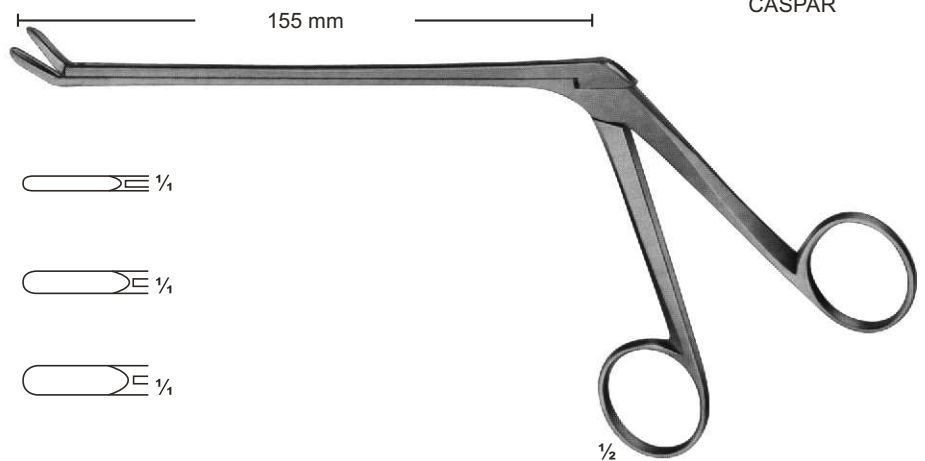


**18-128 - 131**  
CASPAR

**18-132**  
2 mm

**18-133**  
3 mm

**18-134**  
4 mm



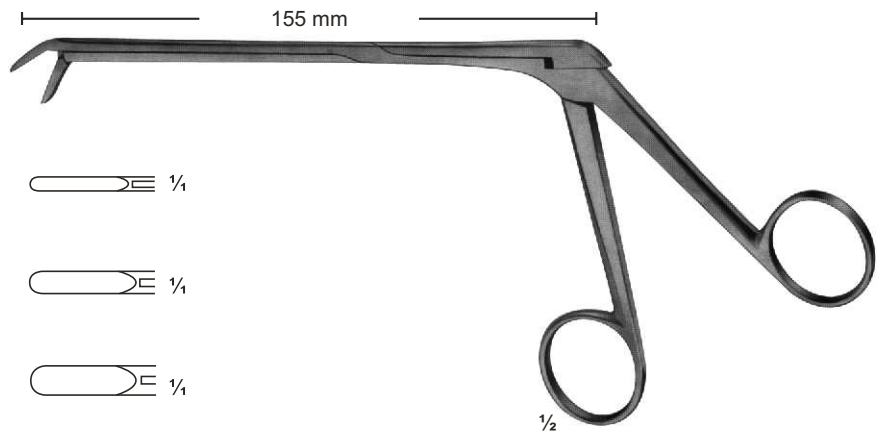
**18-132 - 134**  
CASPAR

# Rongeurs

**18-135**  
2 mm

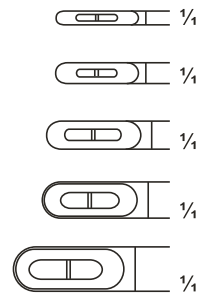
**18-136**  
3 mm

**18-137**  
4 mm



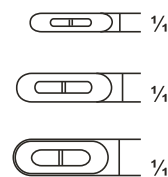
**18-135 - 137**  
CASPAR

Length of shaft 140 mm	Length of shaft 160 mm	Length of shaft 185 mm	size of jaws
<b>18-138</b>	<b>18-143</b>	<b>18-148</b>	2 X12 mm
<b>18-139</b>	<b>18-144</b>	<b>18-149</b>	3 X12 mm
<b>18-140</b>	<b>18-145</b>	<b>18-150</b>	4 X14 mm
<b>18-141</b>	<b>18-146</b>	<b>18-151</b>	5 X14 mm
<b>18-142</b>	<b>18-147</b>	<b>18-152</b>	6 X16 mm



**18-138 - 152**  
CASPAR

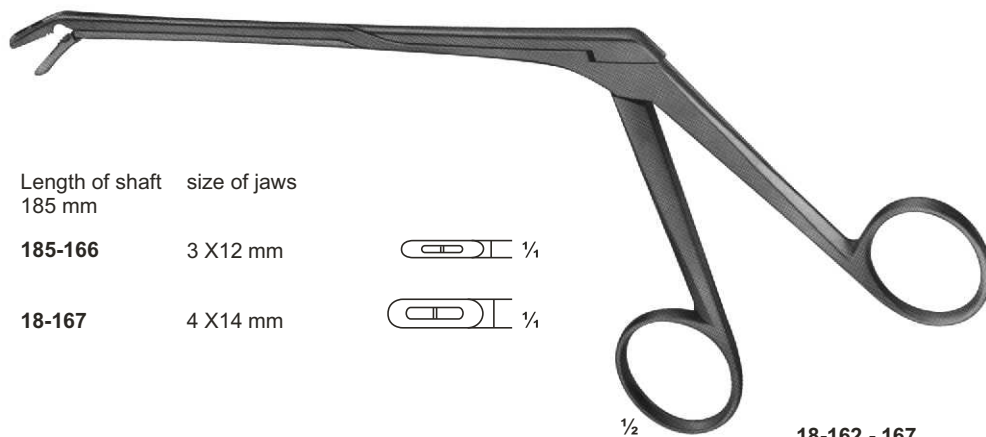
Length of shaft 140 mm	Length of shaft 160 mm	Length of shaft 185 mm	size of jaws
<b>18-153</b>	<b>18-156</b>	<b>18-159</b>	3 X12 mm
<b>18-154</b>	<b>18-157</b>	<b>18-160</b>	4 X14 mm
<b>18-155</b>	<b>18-158</b>	<b>18-161</b>	5 X14 mm



**18-153 - 161**  
CASPAR

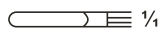
# Rongeurs

Length of shaft 140 mm	Length of shaft 160 mm	Length of shaft 185 mm	size of jaws
<b>18-162</b>	<b>18-164</b>	<b>185-166</b>	3 X12 mm
<b>18-163</b>	<b>18-165</b>	<b>18-167</b>	4 X14 mm

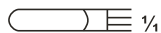


**18-162 - 167**  
GUSHING

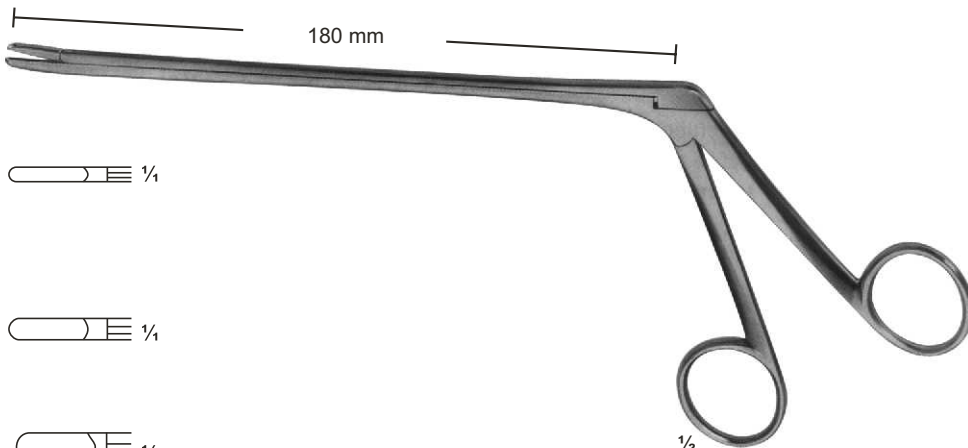
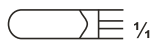
**18-168**  
2 X 10 mm  
GUSHING



**18-169**  
3 X 10 mm  
LOVE-GRUENWALD



**18-170**  
4 X 10 mm  
SPURLING

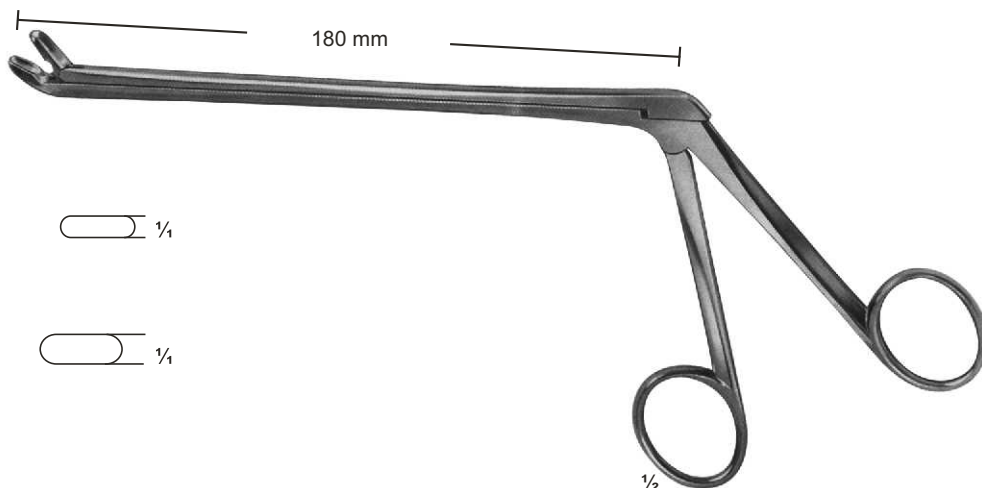


**18-168 - 170**  
LOVE-GRUENWALD

**18-171**  
3 X 10 mm  
LOVE-GRUENWALD



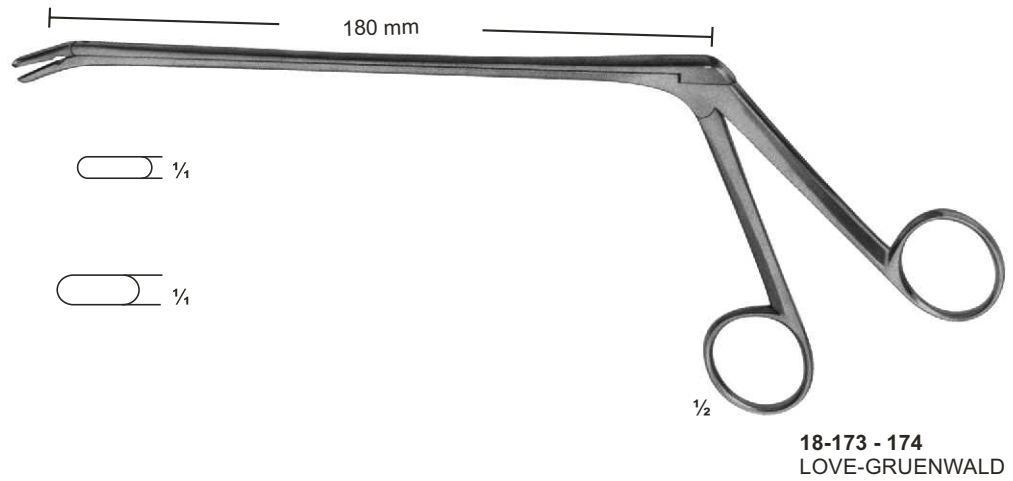
**18-172**  
4 X 10 mm  
SPURLING



**18-171 - 172**  
LOVE-GRUENWALD

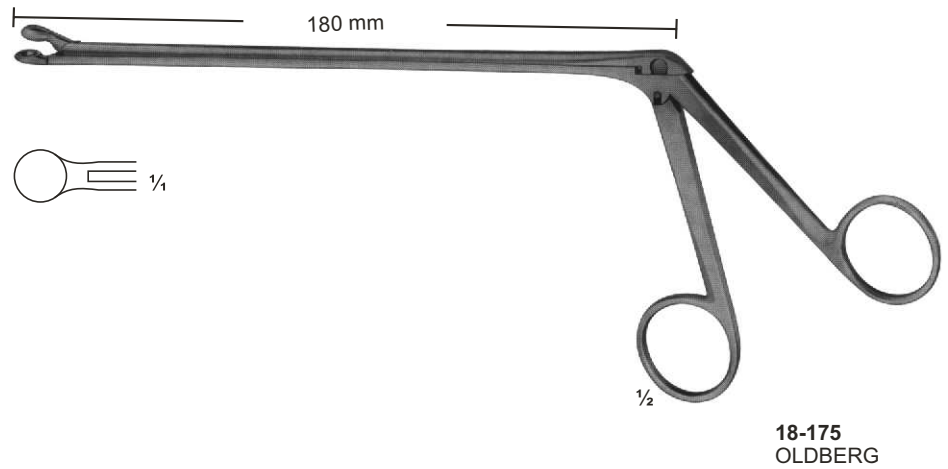
# Rongeurs

**18-173**  
3 X 10 mm  
LOVE-GRUENWALD

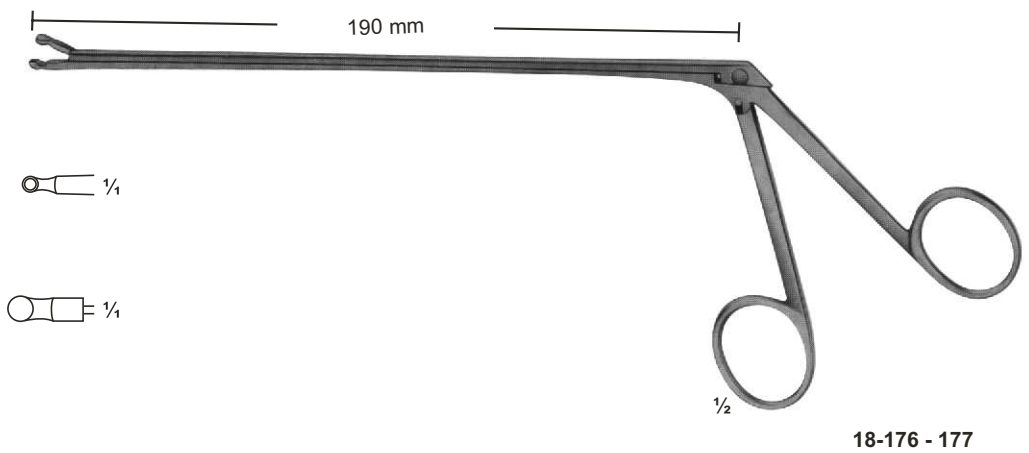


**18-174**  
4 X 10 mm  
SPURLING

**18-175**  
7 mm

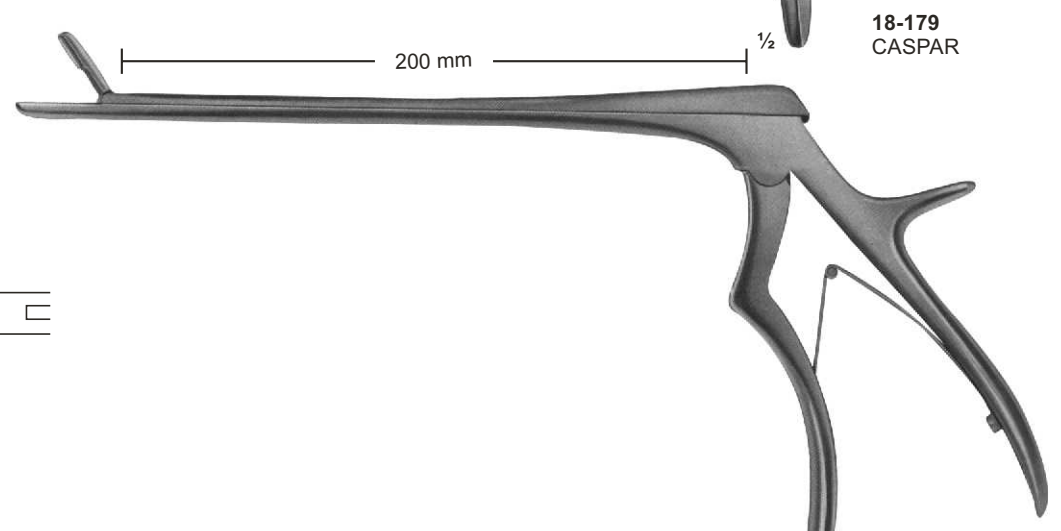
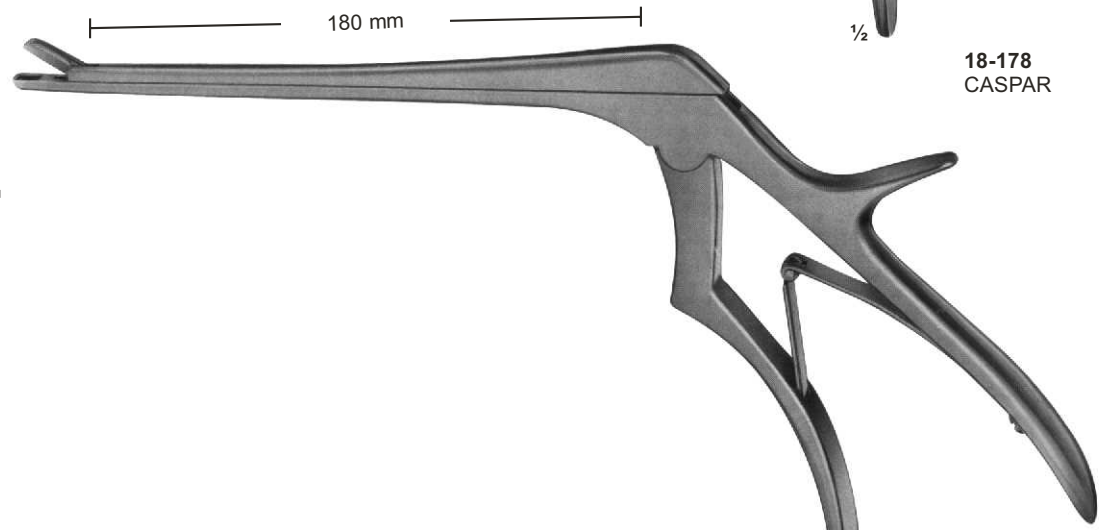
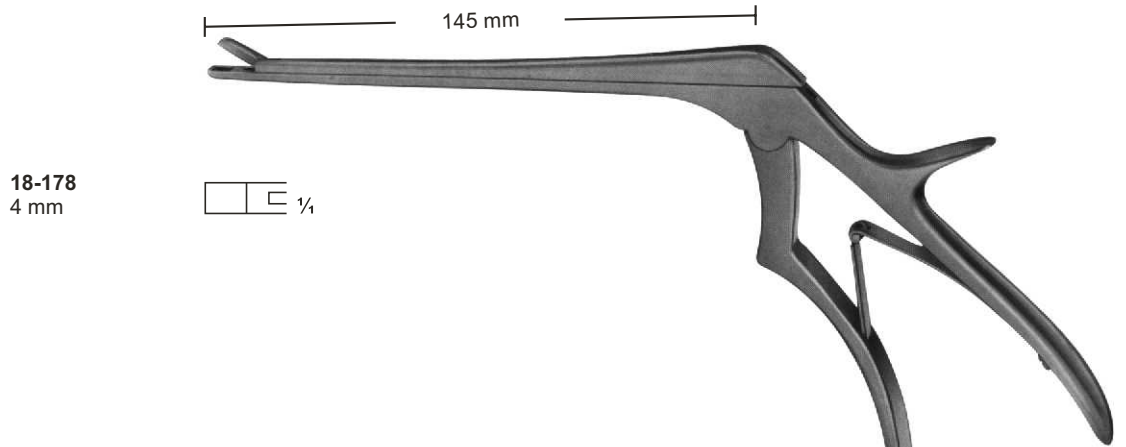


**18-176**  
YASARGIL  
2,2 mm



**18-177**  
YASARGIL  
3,5 mm

# Rongeurs

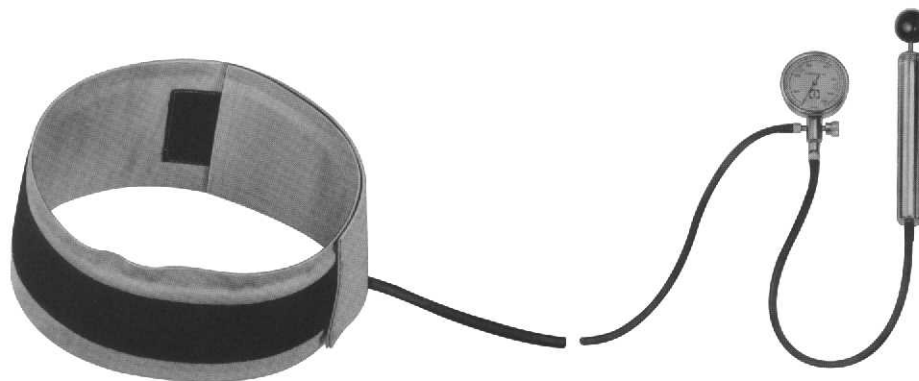


18-178  
CASPAR

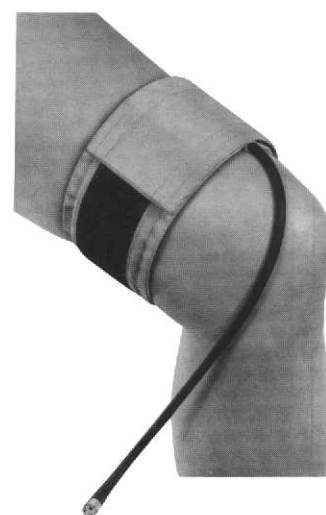
18-179  
CASPAR

18-180  
WAGNER

# Amputation



**19-101**  
Comprimeter. Compression apparatus for producing exsanguination in the extremities. Manometer registers up to 600 mm Hg. Complete, consisting of:  
**19-101** 2 Pump with manometer  
**19-102** 3 Cuff for the leg  
**19-103** 14 Cuff for the upper arm



**19-104** 3 Cuff for the leg  
**19-105** 4 Cuff for the lower arm  
**19-106** 5 Cuff for children  
**19-107** 14 Cuff for the upper arm



**19-108**  
ESMARCH  
Staubinde  
Compression bandage  
5 m lang/long  
6 cm breit/wide



**19-109**  
ESMARCH  
Stauschlauch  
Compression tube  
1 m lang/long



# Amputation and Resection Knives



**19-110**  
Length of blades  
Phalangeal knife  
105 mm



**19-111**  
Length of blades  
Interosseous knife  
110 mm



**19-112**  
Length of blades  
Periosteum knife  
with raspatory  
65 mm



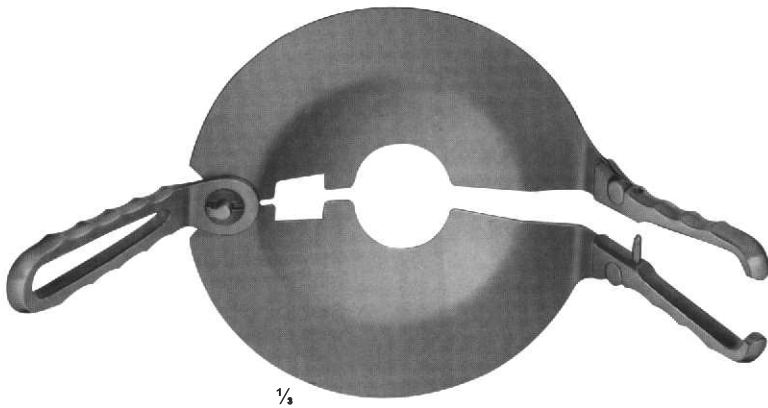
**19-113 - 114**  
LANGENBECK  
Length of blades  
Resection knives  
55 mm



**19-113**

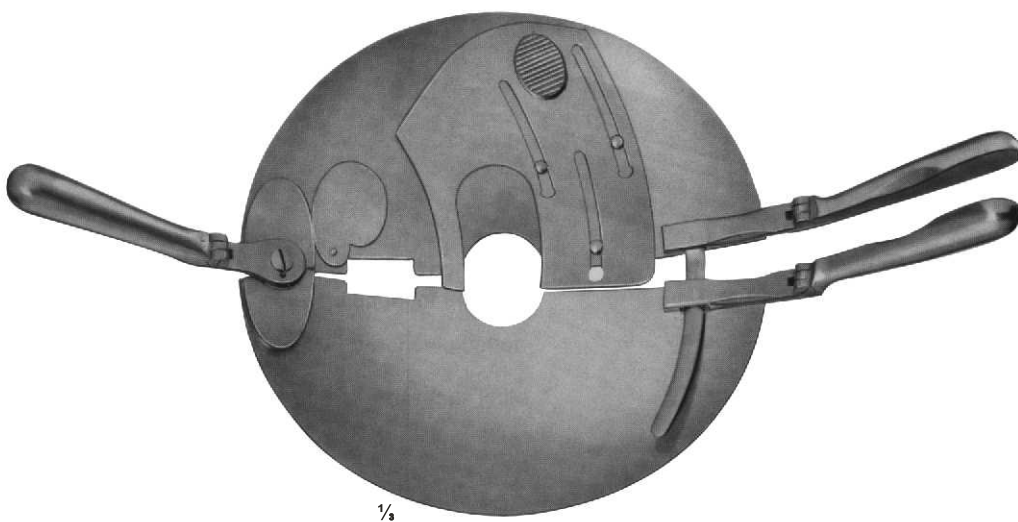
**19-114**

# Amputation Retractors



1/3

**19-115**  
PERCY  
removeable handles



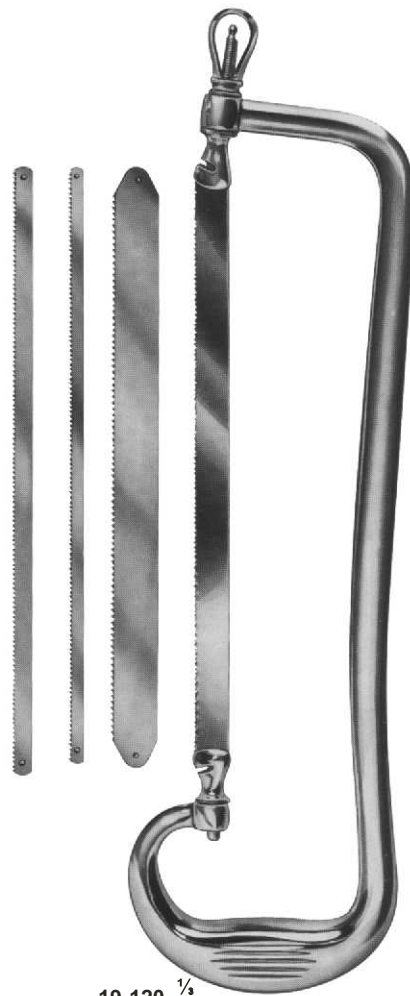
1/3

**19-116**  
PERCY  
reversible handles

# Amputation Saws

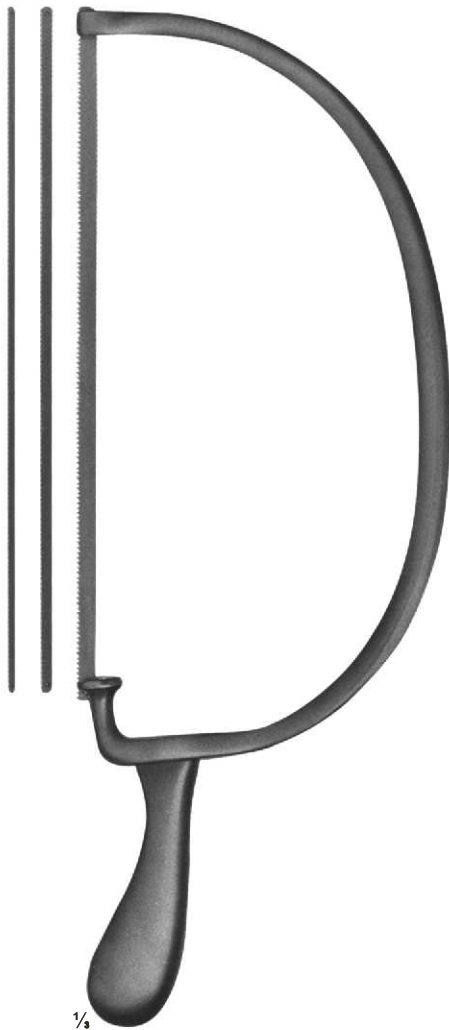


$\frac{1}{4}$   
**19-117**  
 CHARRIEER  
 Length of blade  
 215 mm  
 complete with one saw  
 blade each  
 350 mm  
 Spare saw blades, carbon steel  
**19-118** 12 mm  
**19-119** 20 mm



$\frac{1}{4}$   
**19-120**  
 RUST  
 Length of blade  
 235 mm  
 complete with one saw  
 blade each  
 390 mm  
**19-121** Bow only  
 Spare saw blades, carbon steel  
**19-122** 6 mm  
**19-123** 8 mm  
**19-124** 12 mm  
**19-125** 20 mm

# Amputation Saws



1/3

**19-126**  
**BIER**  
 Length of blade  
 270 mm  
 complete with one saw  
 blade each  
 420 mm  
 Spare saw blades, carbon steel  
**19-127** 4 mm  
**19-128** 6 mm  
**19-129** 8 mm



1/3

**19-130**  
**CHARRIERE**  
 Length of blade  
 180 mm  
 Spare saw blades,  
 carbon steel  
 270 mm

**19-131**  
**CHARRIERE**  
 Length of blade  
 240 mm  
 Spare saw blades,  
 carbon steel  
 340 mm



1/3

**19-132**  
**SATTERLEE**  
 Length of blade  
 200 mm  
 Spare saw blades,  
 carbon steel  
 290 mm



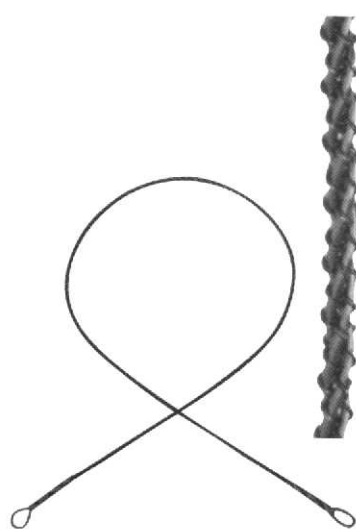
1/3

**19-133**  
**LANGENBACK**  
 Length of blade  
 115 mm  
 Metacarpal saw  
 235 mm

## Wire Saws and Conductor



**OLIVECRONA**  
**19-134** 300 mm  
**19-135** 400 mm  
**19-136** 500 mm  
**19-137** 700 mm



**GIGLI**  
**19-138** 300 mm  
**19-139** 400 mm  
**19-140** 500 mm  
fine, 6 wires twisted  
**19-141**  
coarses, 4 wires twisted

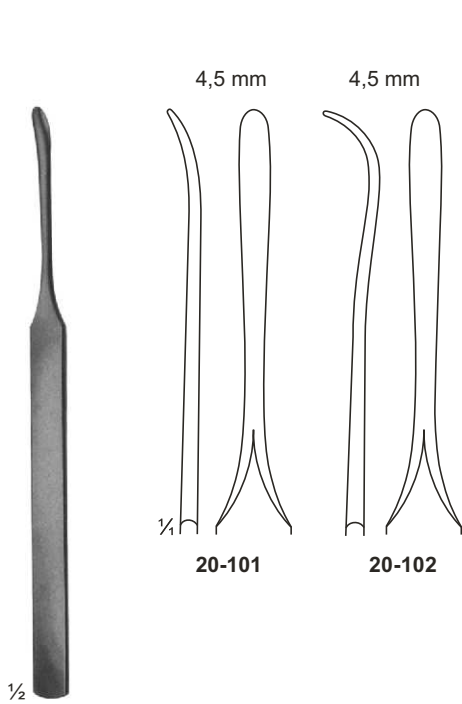


**19-142**  
**GIGLI**  
Handle

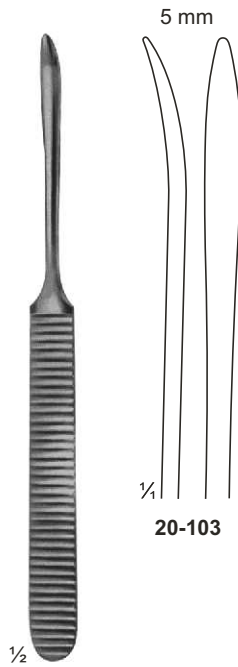


**19-143**  
**LEBSCHKE**  
Conductor for  
wire saws, malleable  
250 mm

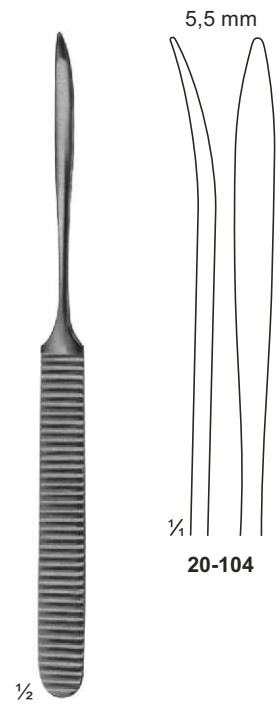
# Elevators and Bone Levers



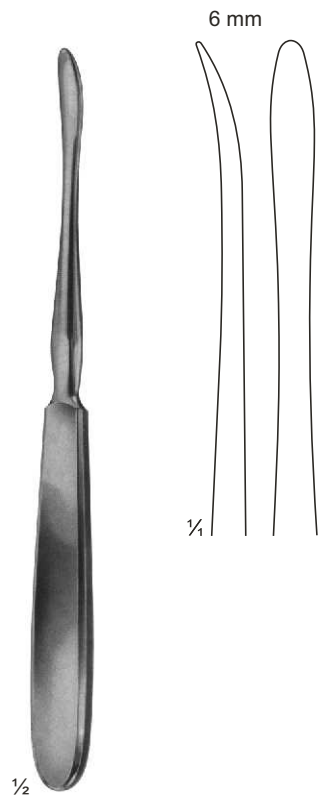
**20-101 - 102**  
KONIG  
155 mm



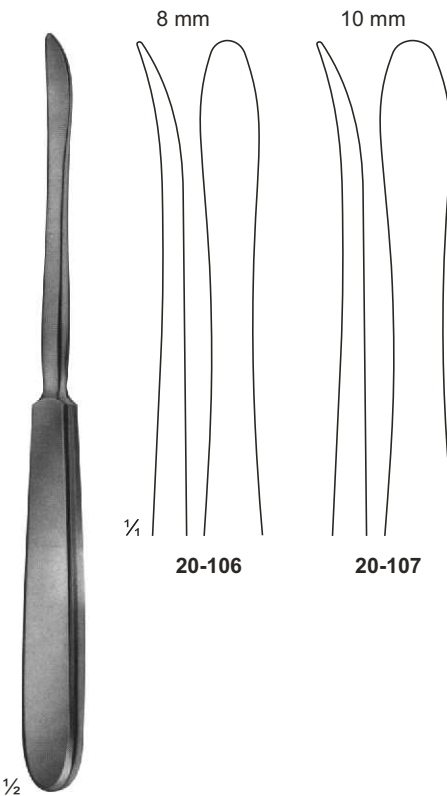
**20-103**  
WILLIGER  
165 mm



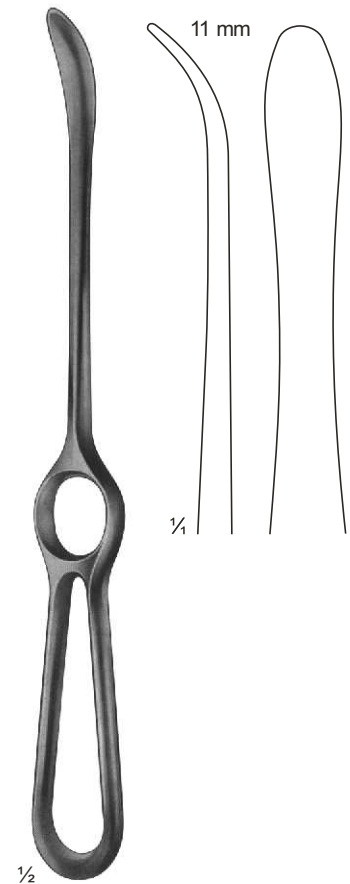
**20-104**  
WILLIGER  
170 mm



**20-105**  
QUERVAIN  
195 mm



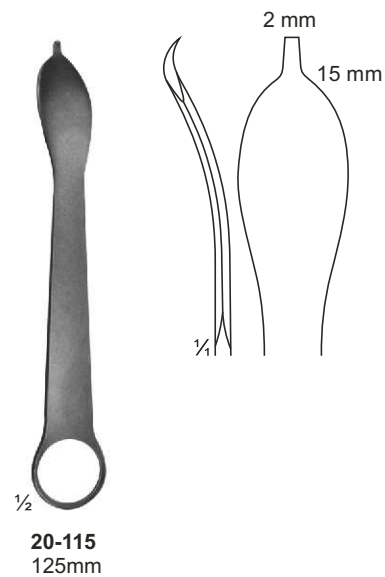
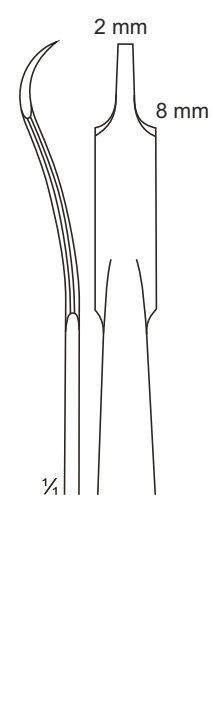
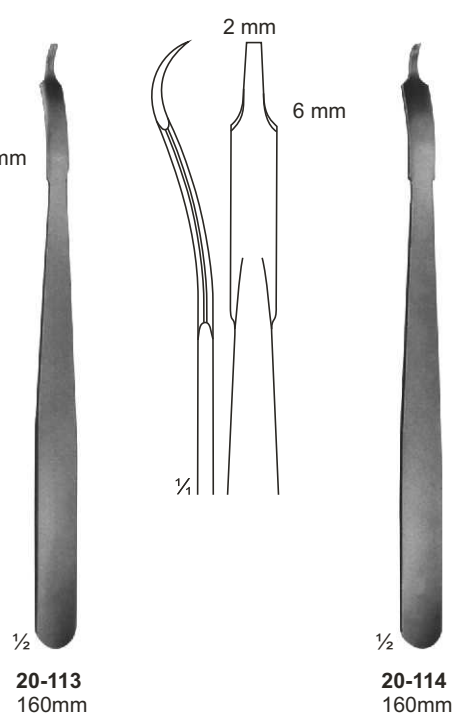
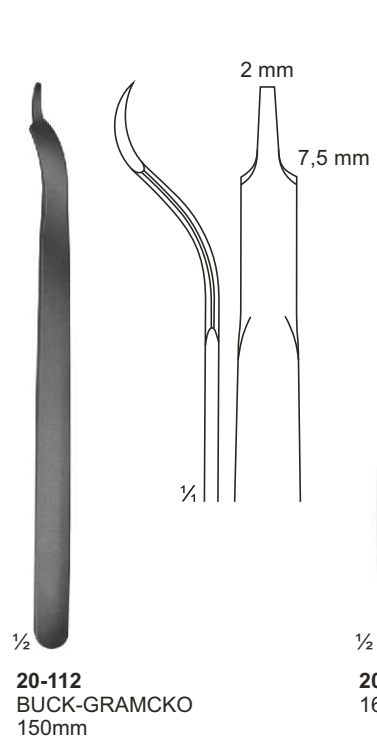
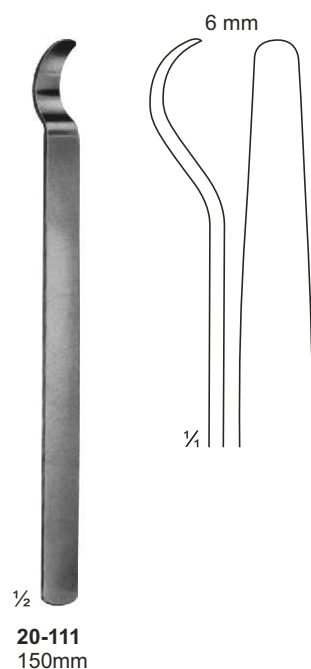
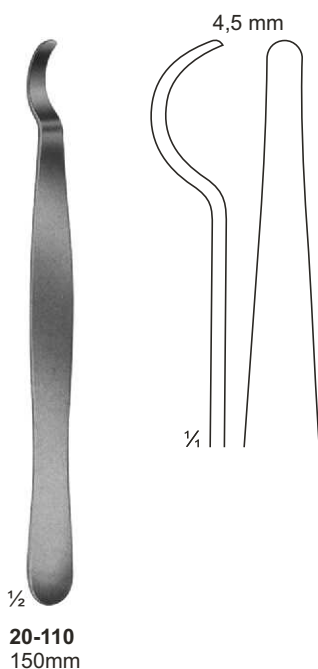
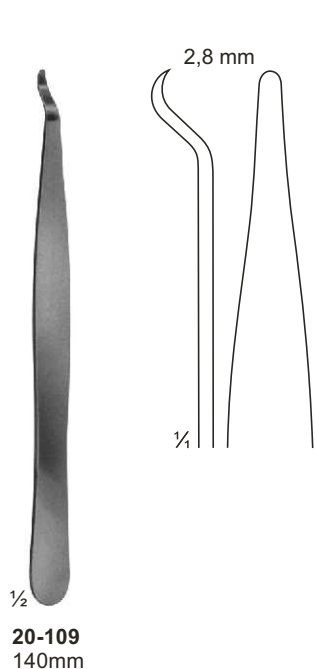
**20-106 - 107**  
LANGENBACK  
195 mm



**20-108**  
LANGENBACK  
230mm



# Bone Levers



# Bone Levers



**20-116**  
LANE TRETHOWAN  
215mm

**20-117**  
LANE  
255mm

**20-118**  
LANGE-HOHMANN  
250mm

**20-119 - 120**  
LANGE-HOHMANN  
**20-119** 265mm  
**20-120** 280mm

# Bone Levers



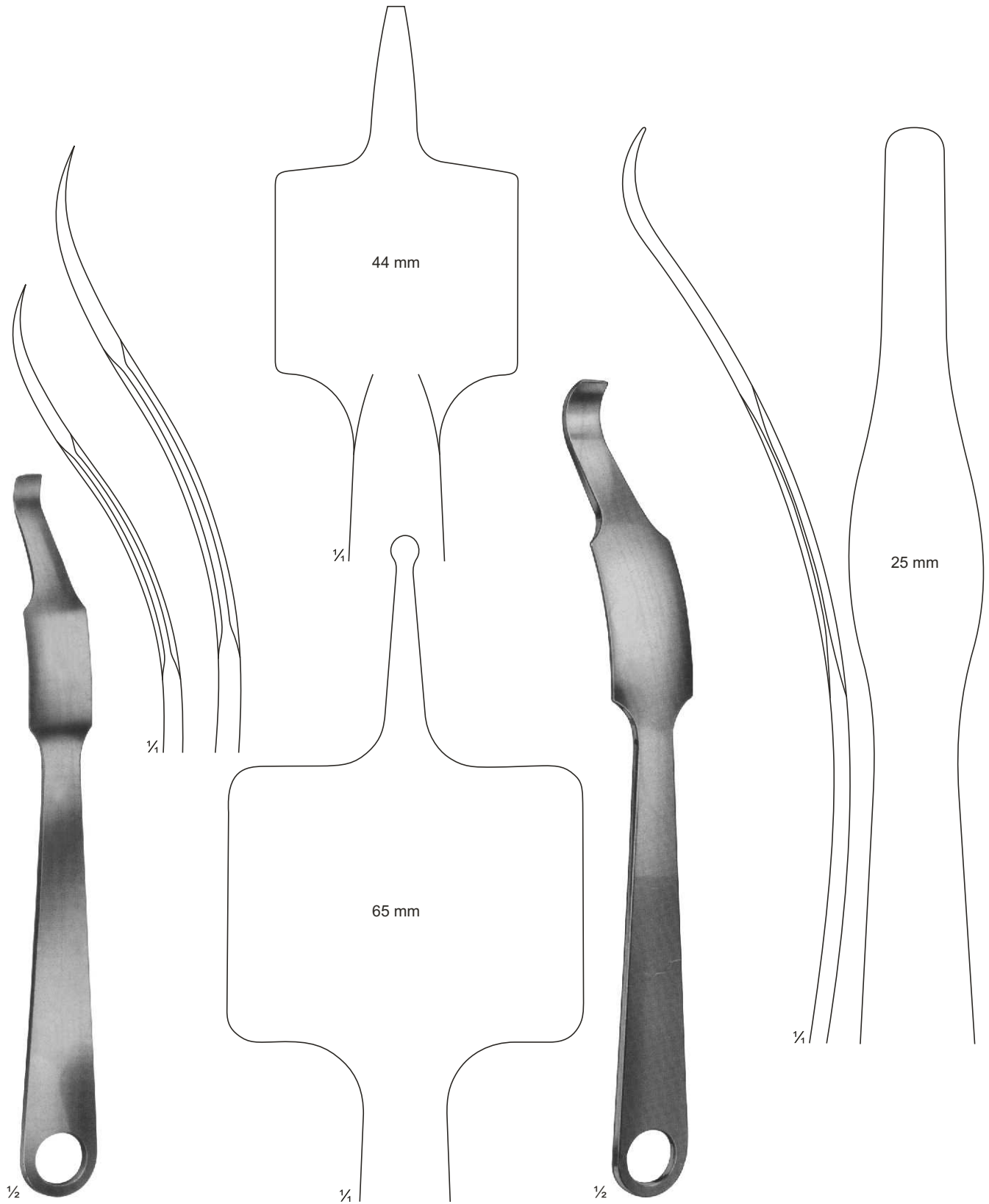
**20-121**  
WAGNER  
220 mm

**20-122**  
220 mm

**20-123**  
240 mm

**20-124**  
240 mm

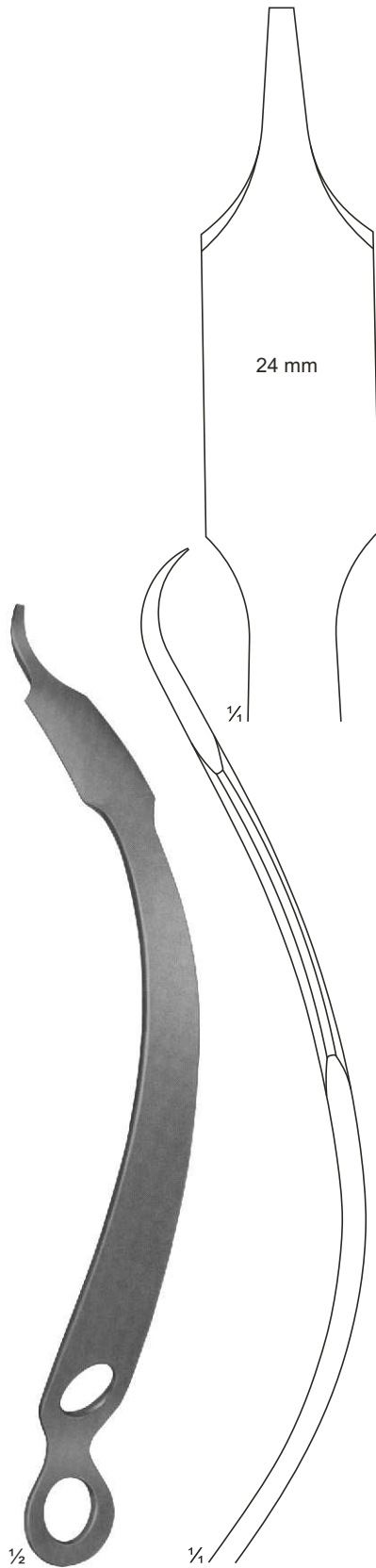
# Bone Levers



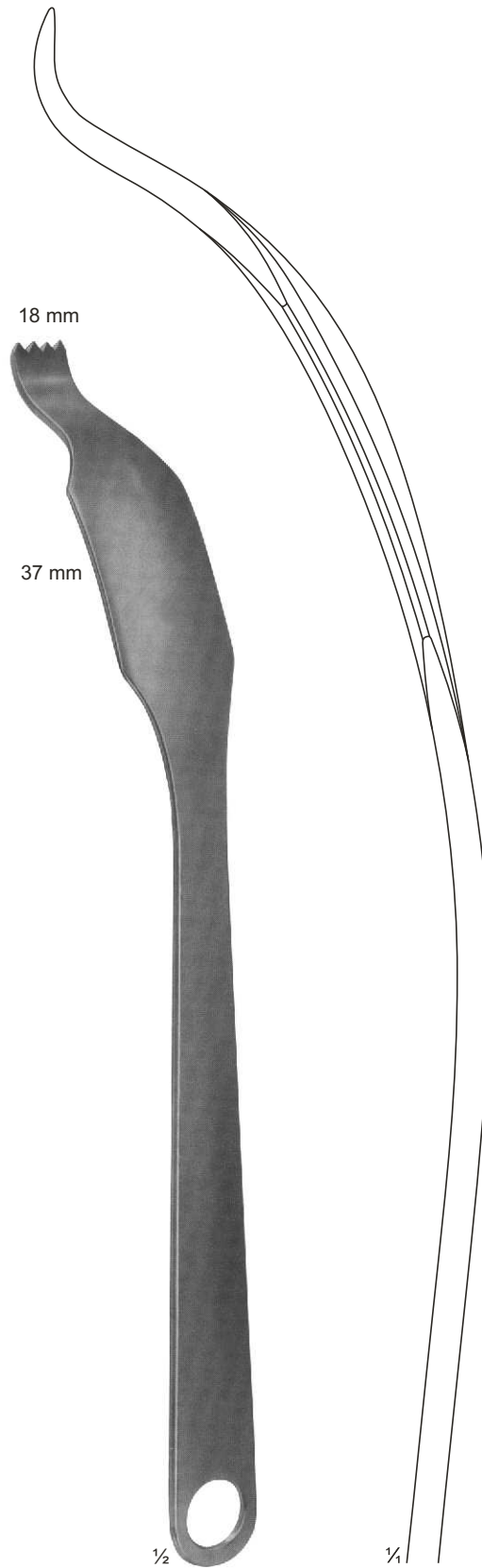
**20-125 - 126**  
**VERBRUGGE-MULLER**  
**20-125 240 mm**  
**20-126 255 mm**

**20-127**  
**260 mm**

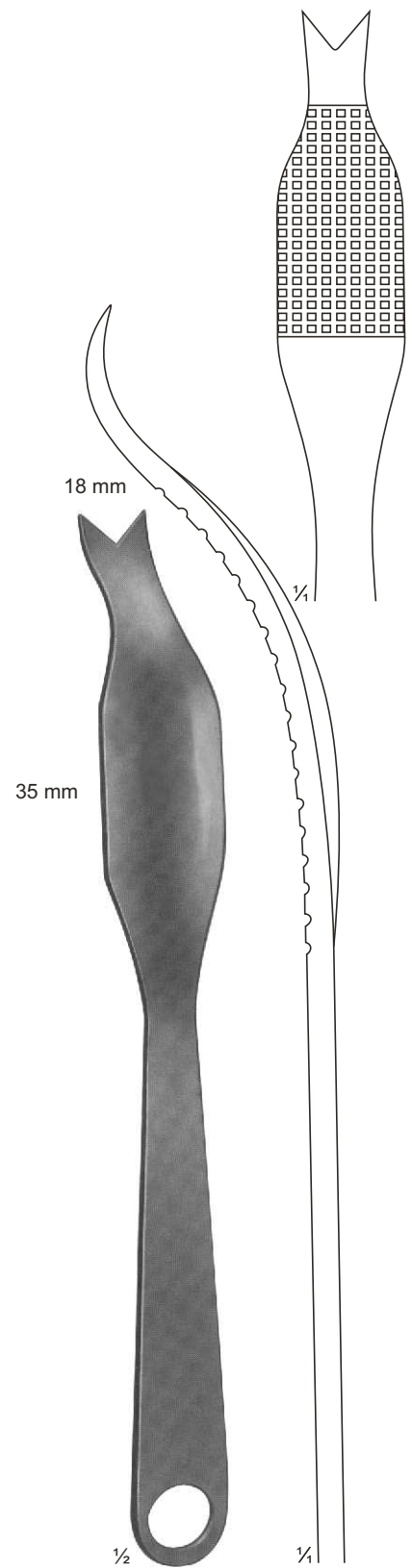
# Bone Levers



**20-128**  
HOHMANN-ALDINGER  
270 mm

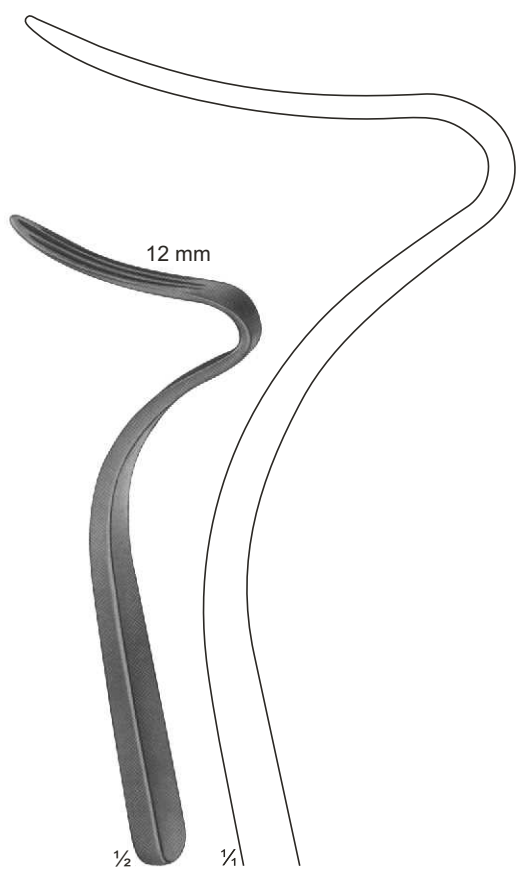


**20-129**  
SCHUMACHER mod. WAGNER  
345 mm

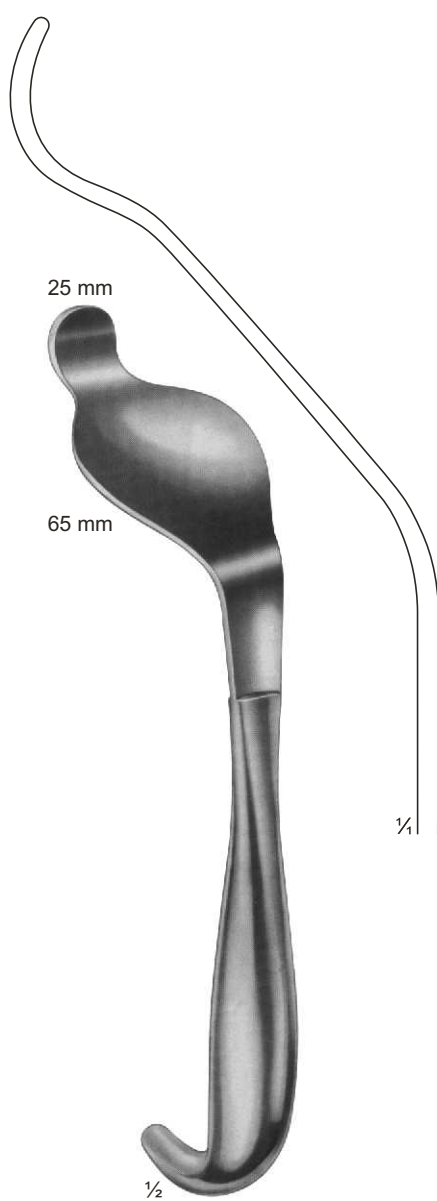


**20-130**  
SCHUMACHER  
290 mm

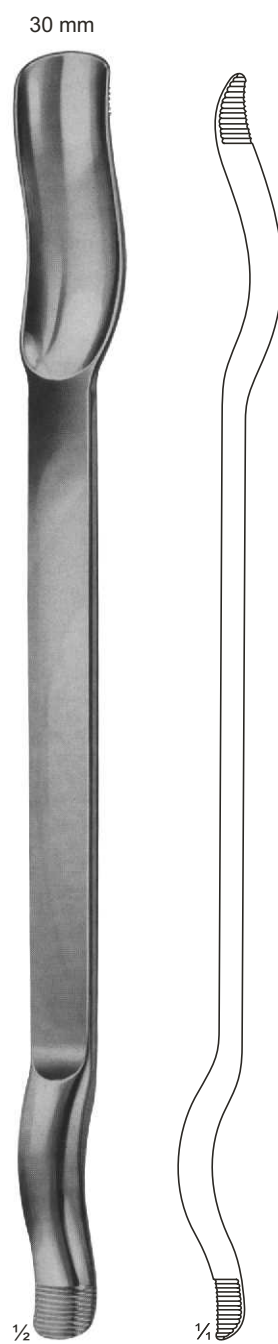
# Special Bone Levers



**20-131**  
**TAGER**  
 Bone lever for  
 angle joint operations  
 175 mm

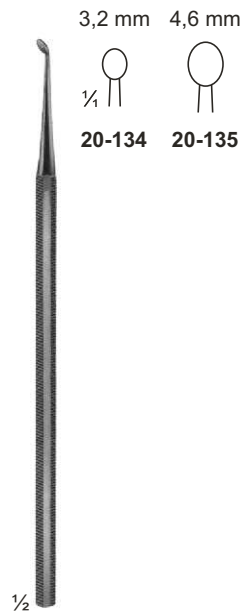


**20-132**  
**BENNETT**  
 235 mm

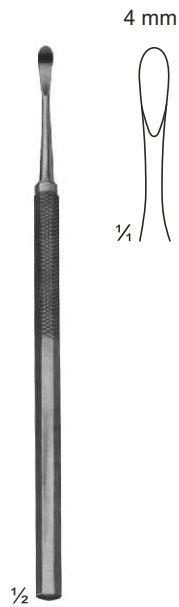


**20-133**  
**MURPHY-LANE**  
 Luxation lever  
 340 mm

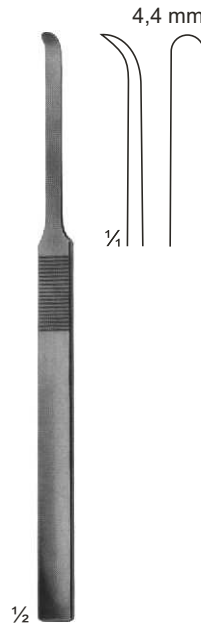
# Raspatories



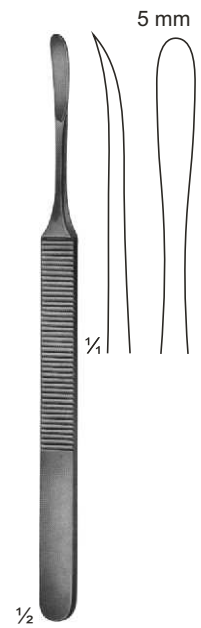
**20-134 - 135**  
PARTSCH  
150 mm



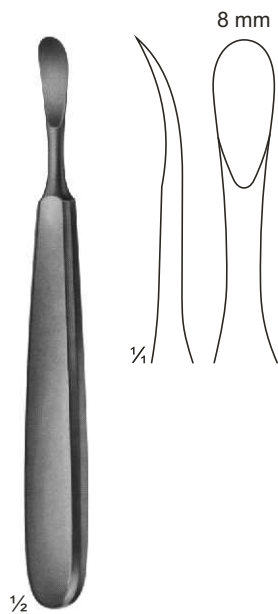
**20-136**  
PARTSCH mod. LANGE  
145 mm



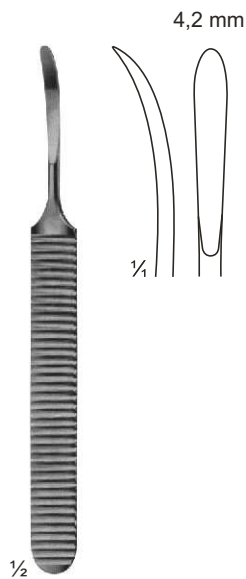
**20-137**  
MC KENTY  
155 mm



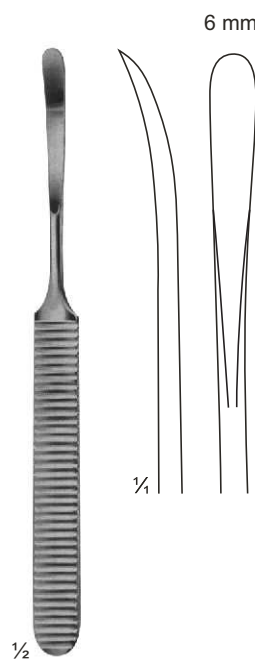
**20-138**  
KONIG  
155 mm



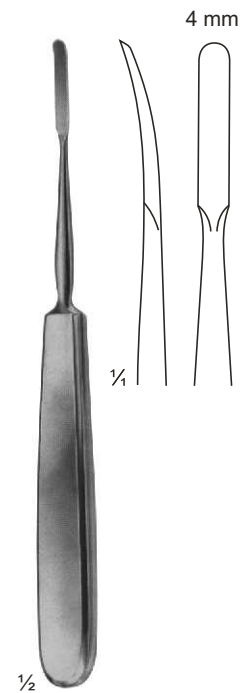
**20-139**  
TRELAT  
150 mm



**20-140**  
WILLIGER  
140 mm



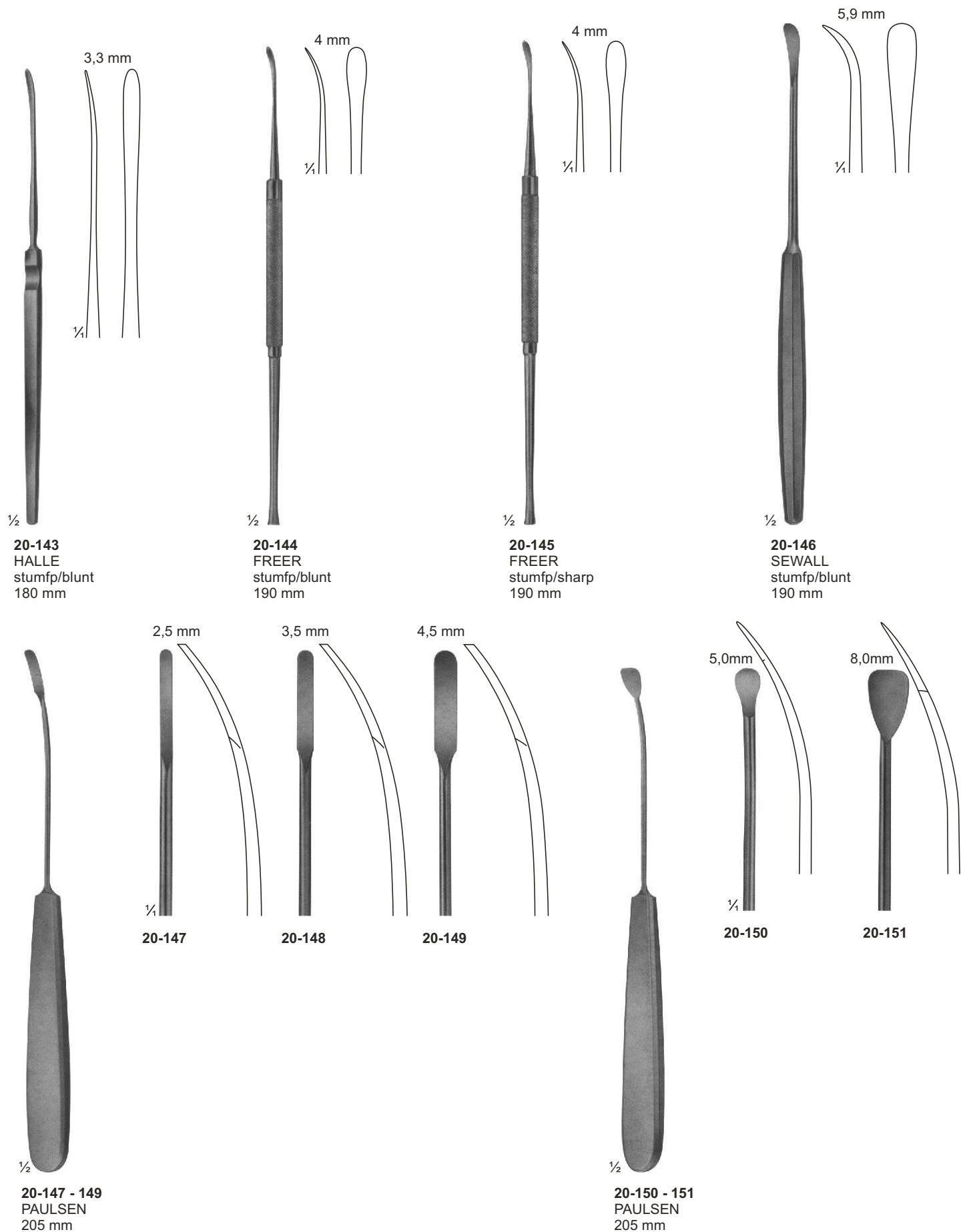
**20-141**  
WILLIGER  
160 mm



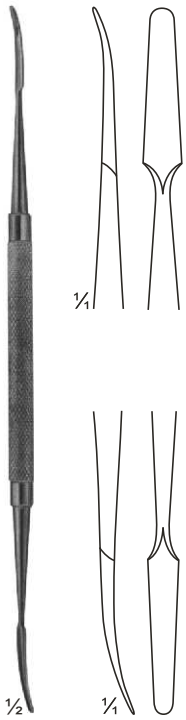
**20-142**  
JOSEPH  
170 mm



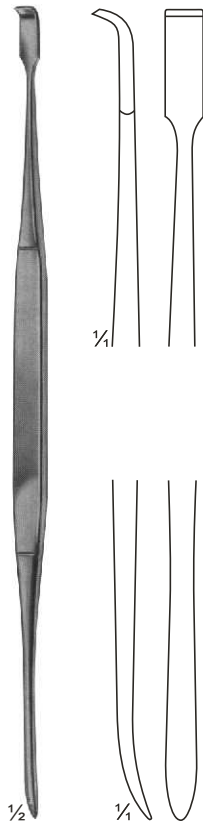
# Raspatories



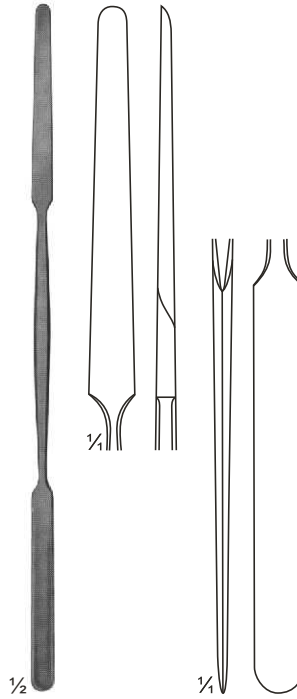
# Raspatories



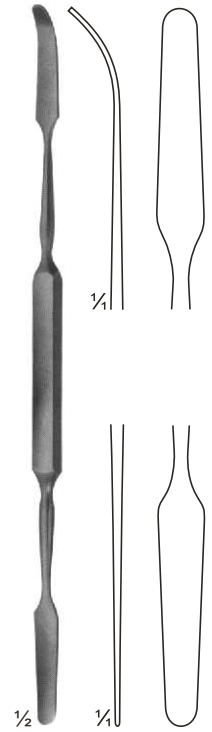
**20-152**  
KILLIAN  
sharp/blunt  
185 mm



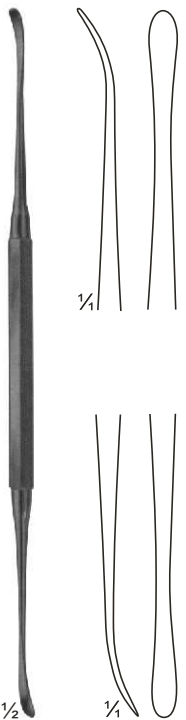
**20-153**  
HOWARTH  
sharp/blunt  
215 mm



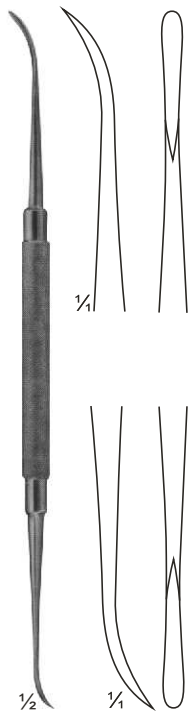
**20-154**  
KILLIAN  
sharp/blunt  
185 mm



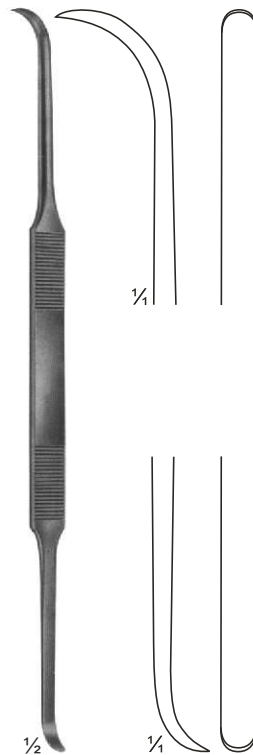
**20-155**  
MAC DONALD  
blunt/blunt  
185 mm



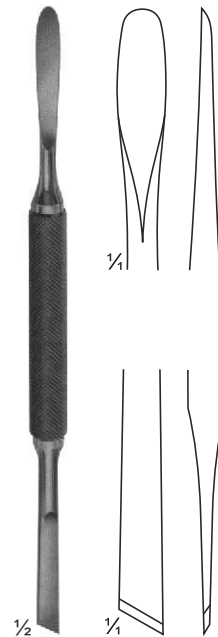
**20-156**  
FREER  
sharp/blunt  
185 mm



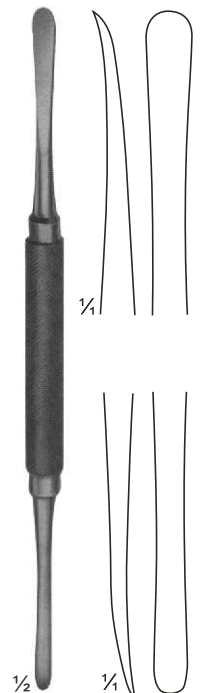
**20-157**  
FREER-YASARGIL  
sharp/sharp  
185 mm



**20-158**  
COTTLE  
sharp/sharp  
200 mm

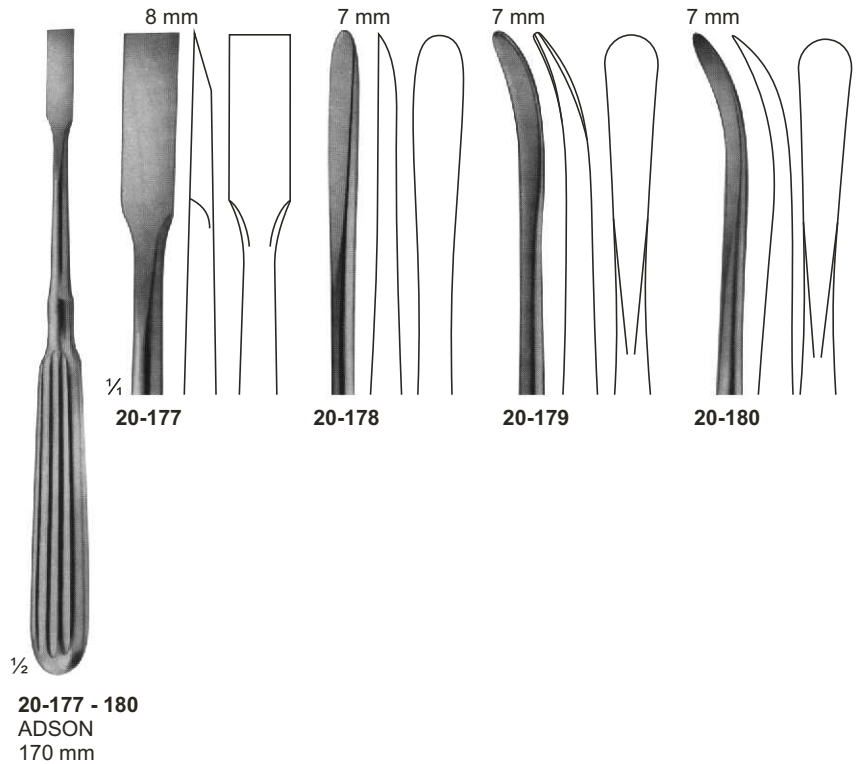
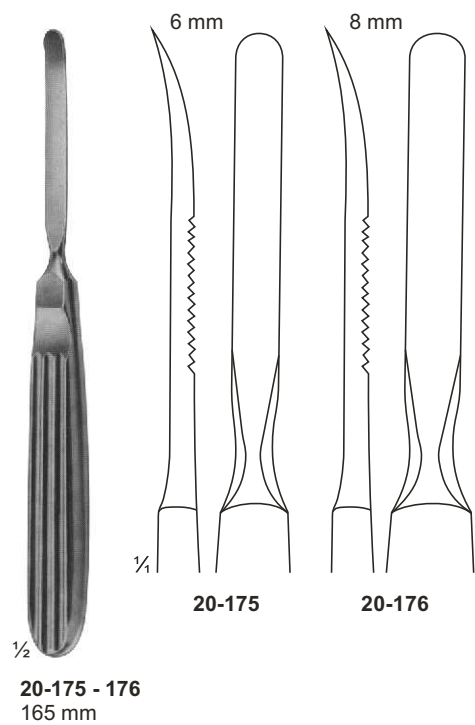
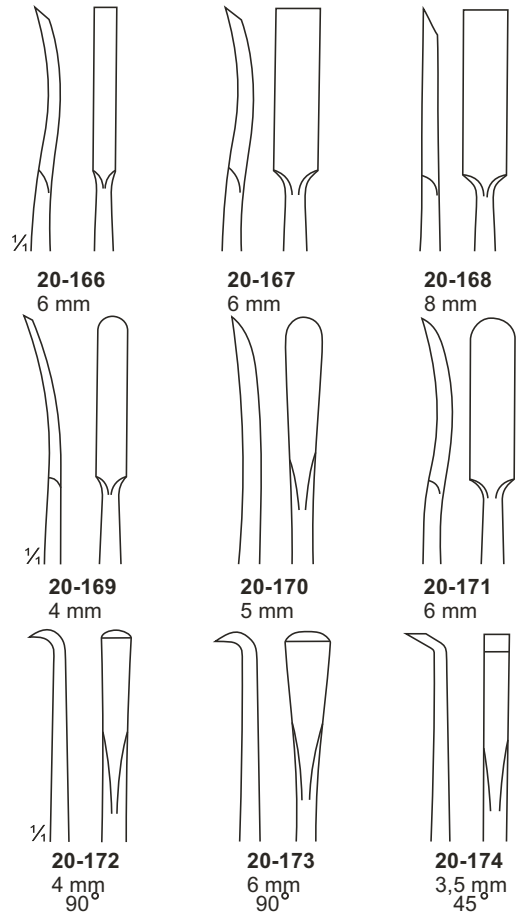
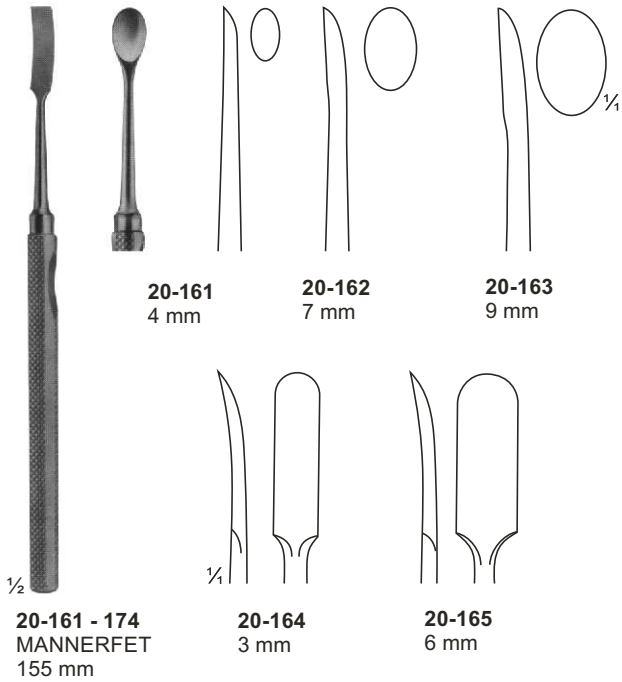


**20-159**  
MEAD  
sharp/sharp  
165 mm

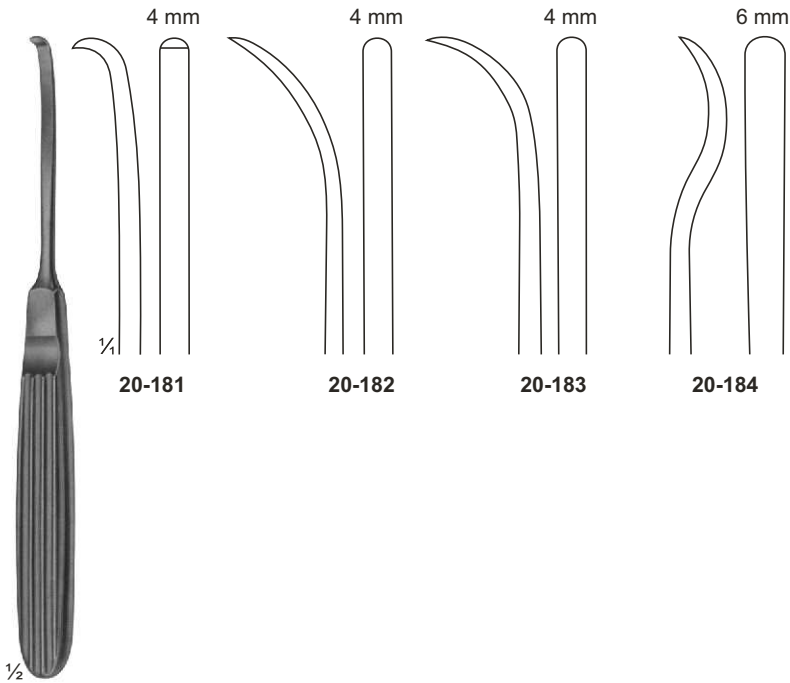


**20-160**  
MOLT  
sharp/sharp  
180 mm

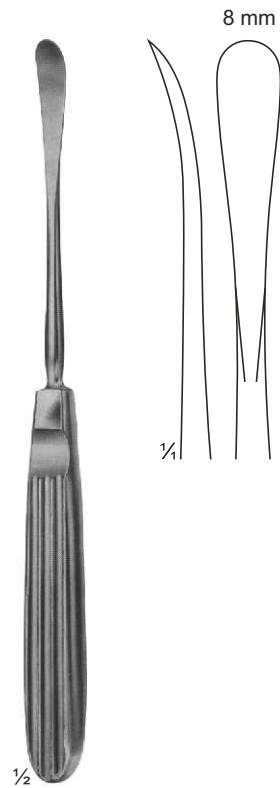
# Raspatories



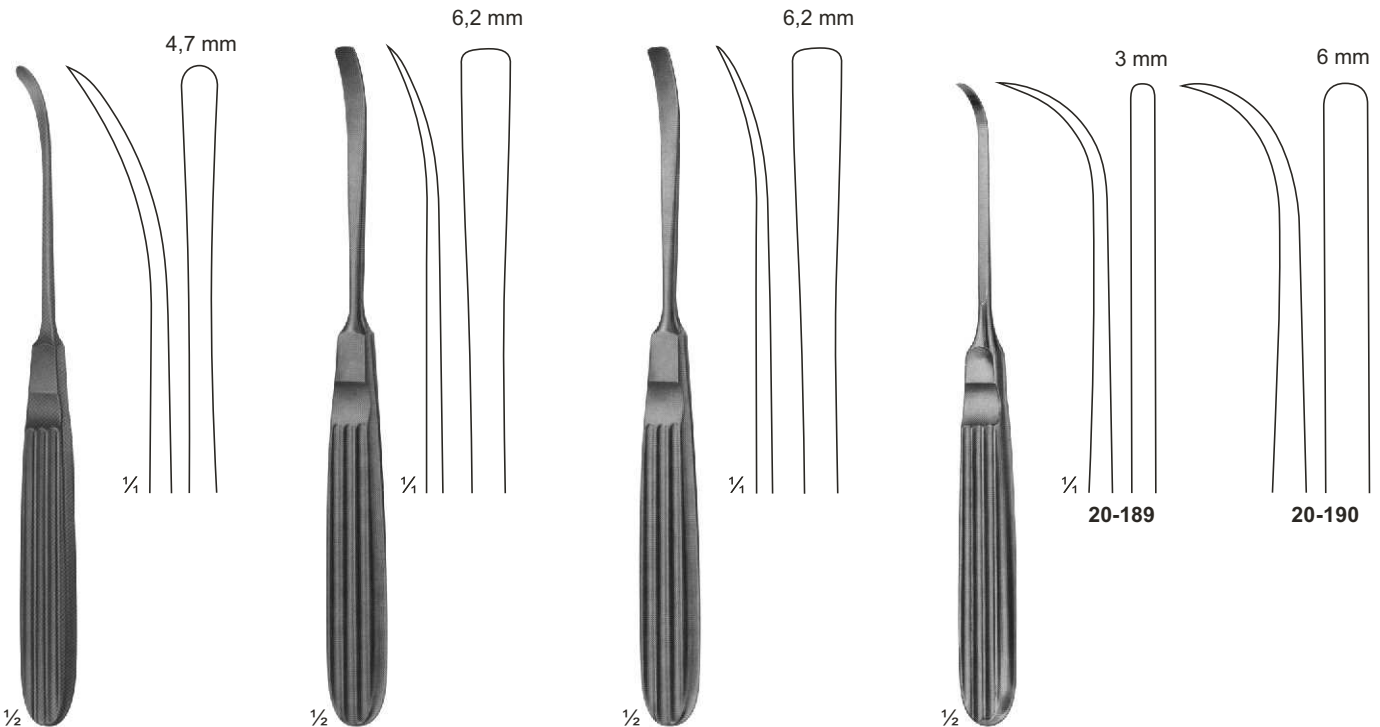
# Raspatories



**20-181 - 184**  
**MUHLING**  
 170 mm



**20-185**  
**COTTLE**  
 175 mm



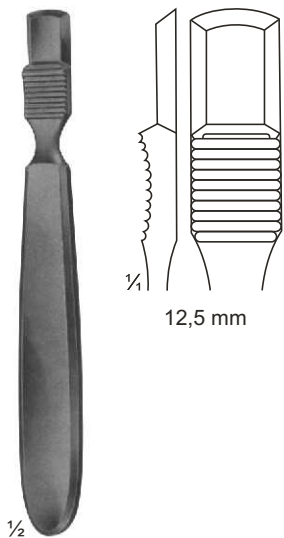
**20-186**  
**LANDOT**  
 175 mm

**20-187**  
**CASPER**  
 180 mm

**20-188**  
**CASPER**  
 180 mm

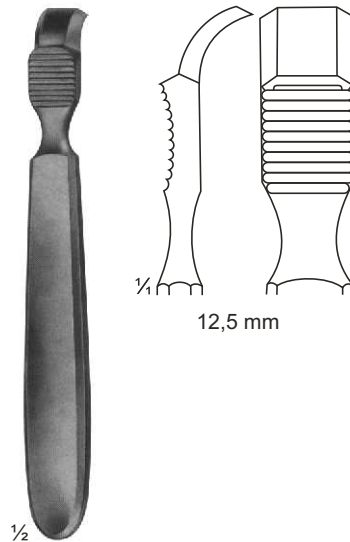
**20-189 - 190**  
 170 mm

# Raspatories



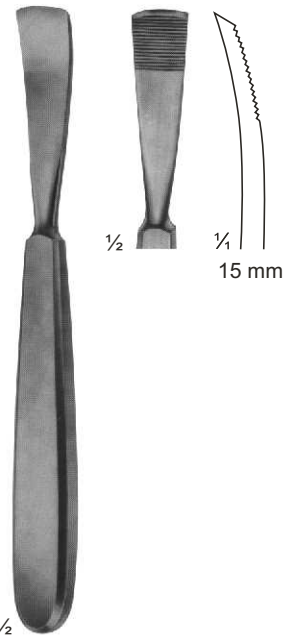
12,5 mm

1/2  
**20-191**  
FARABEUF  
140 mm



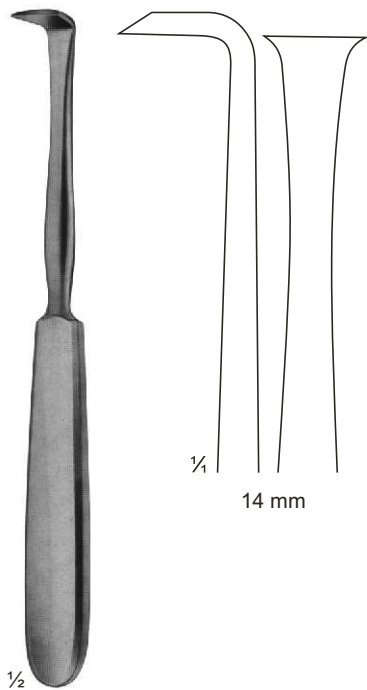
12,5 mm

1/2  
**20-192**  
FARABEUF  
140 mm



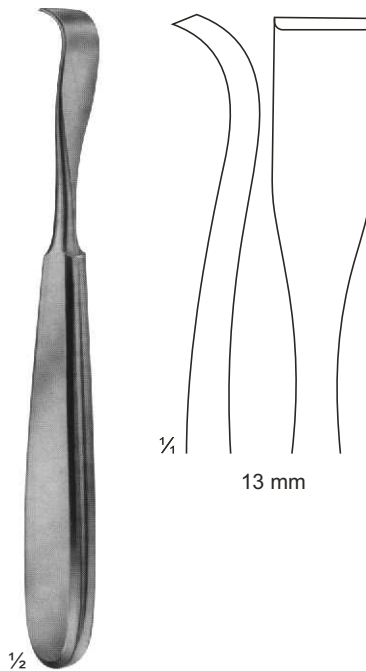
15 mm

1/2  
**20-193**  
JANSEN  
165 mm



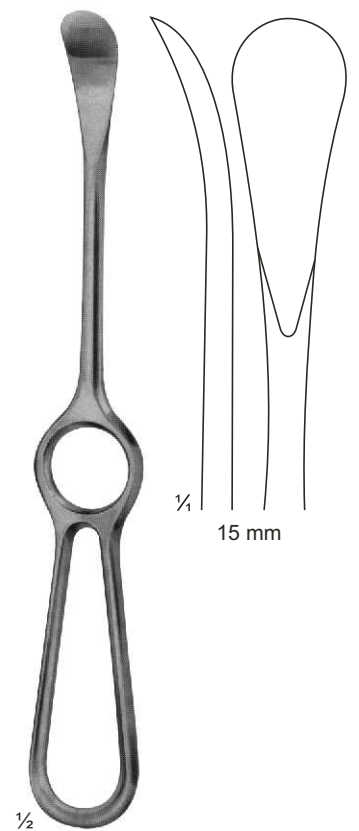
14 mm

1/2  
**20-194**  
LANGENBACK  
180 mm



13 mm

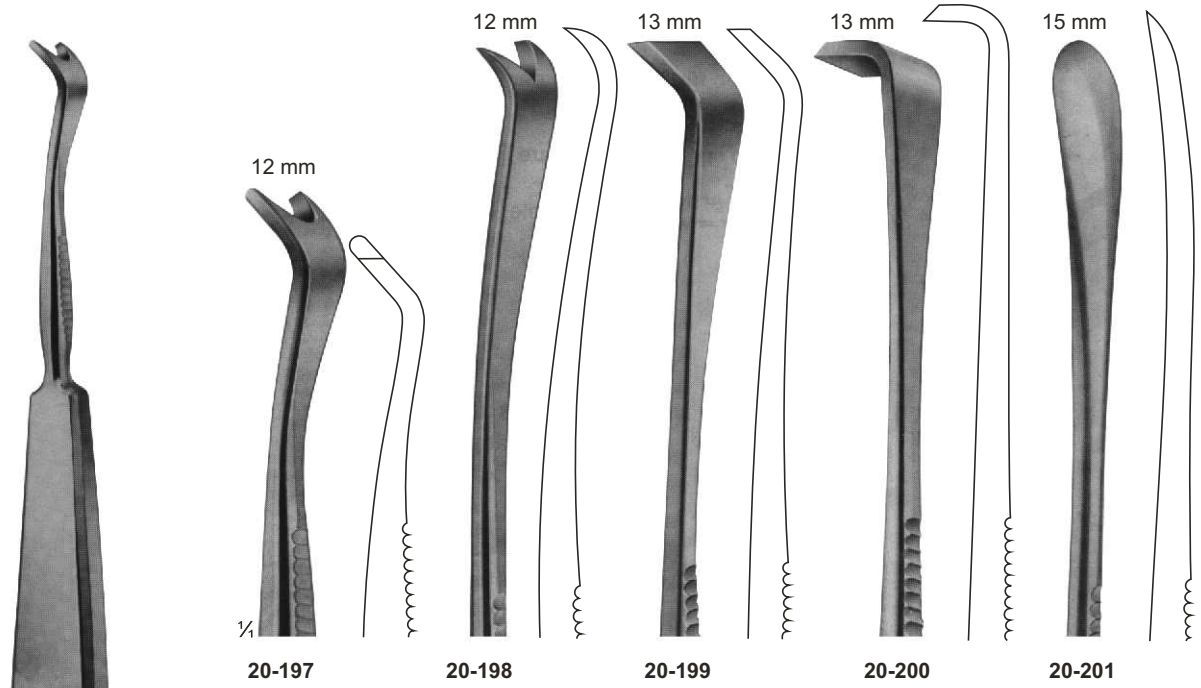
1/2  
**20-195**  
SCHNEIDER  
175 mm



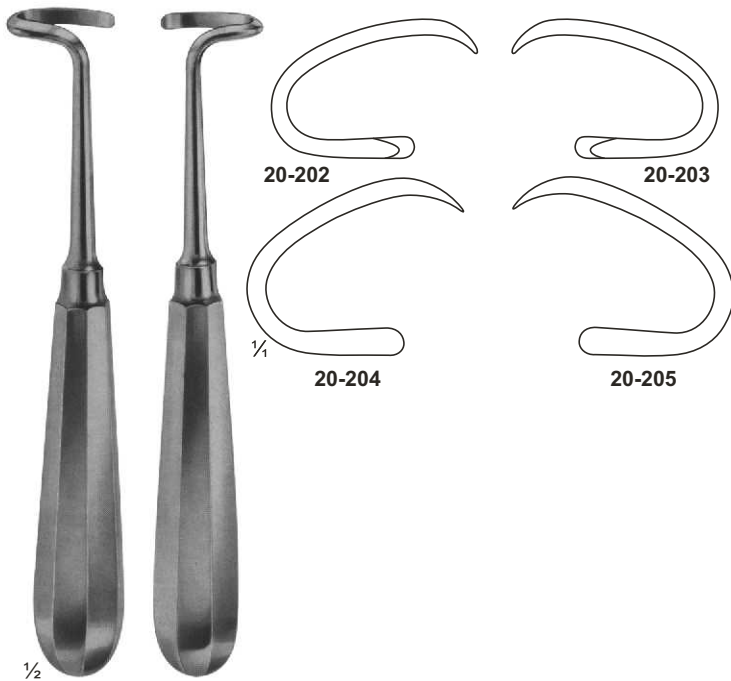
15 mm

1/2  
**20-196**  
SEDILLOT  
215 mm

# Raspatories



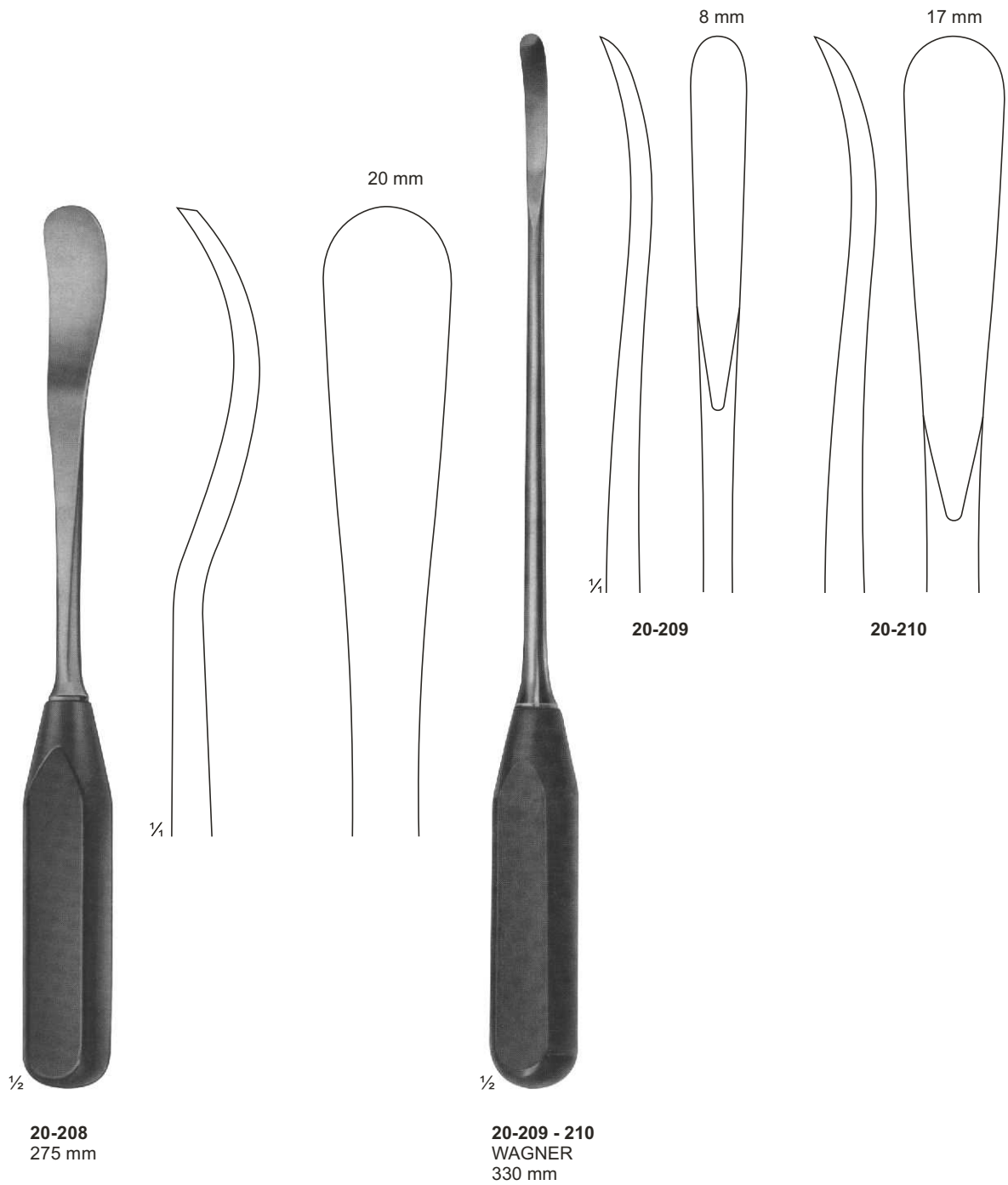
$\frac{1}{2}$   
20-197 - 201  
SEMB  
230 mm



$\frac{1}{2}$   
20-202 - 203  
DOYEN  
for children  
20-204 - 205  
for adults  
175 mm

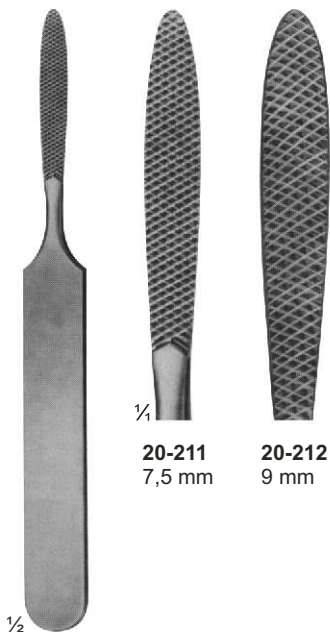
$\frac{1}{2}$   
20-206 - 207  
DOYEN  
240 mm

# Raspatories with HARTPRESS-handle





# Bone File and Rasps

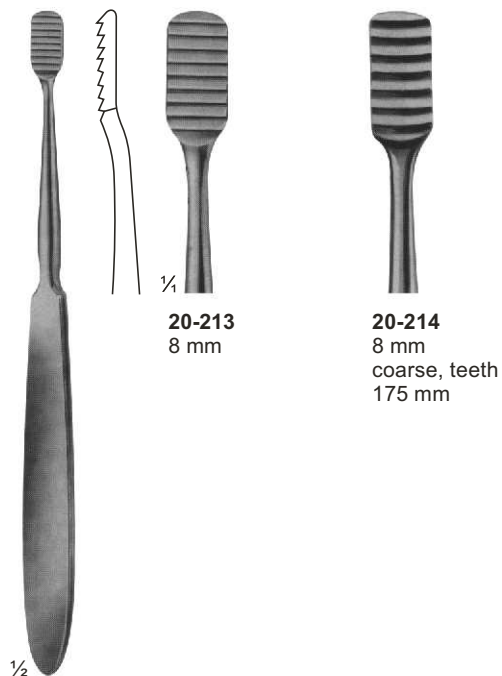


**20-211**  
7,5 mm

**20-212**  
9 mm

**20-211**  
JOSEPH  
fine, chequered

**20-212**  
coarse, chequered  
165 mm



**20-213**  
8 mm

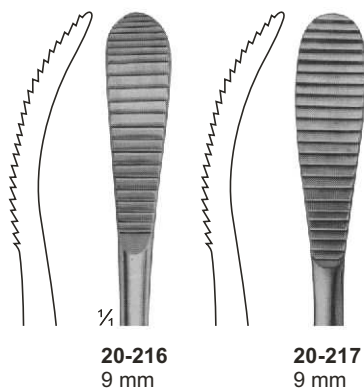
**20-214**  
8 mm  
coarse, teeth  
175 mm

**20-213**  
LEWIS  
fine, teeth



**20-215**  
9 mm

**20-215**  
MALTZ  
down stroke  
180 mm



**20-216**  
9 mm

**20-217**  
9 mm



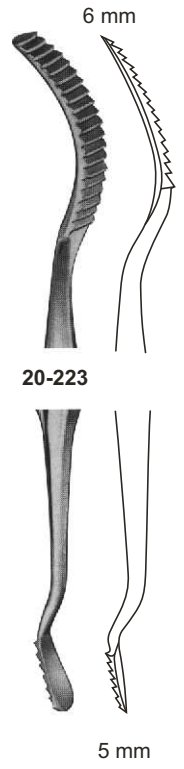
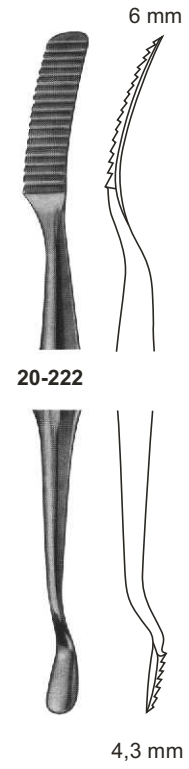
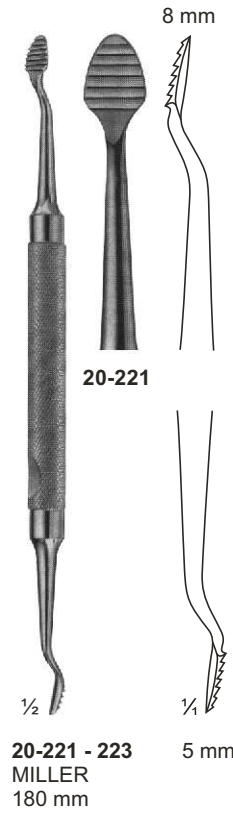
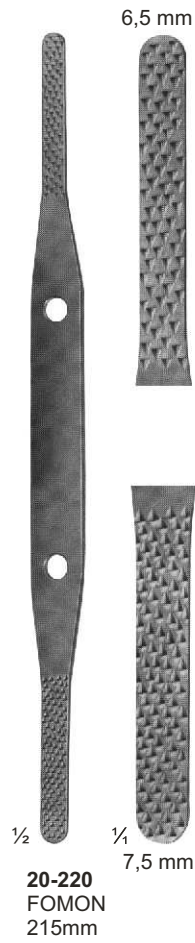
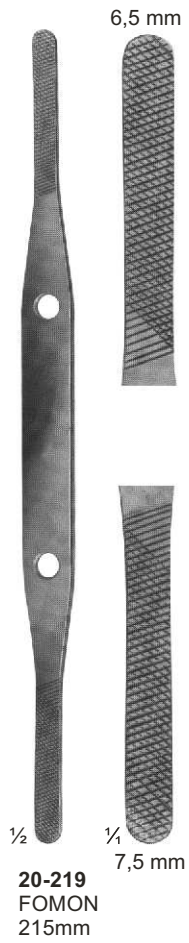
**20-216**  
AUFRICHT  
up stroke  
**20-217**  
down stroke  
220 mm



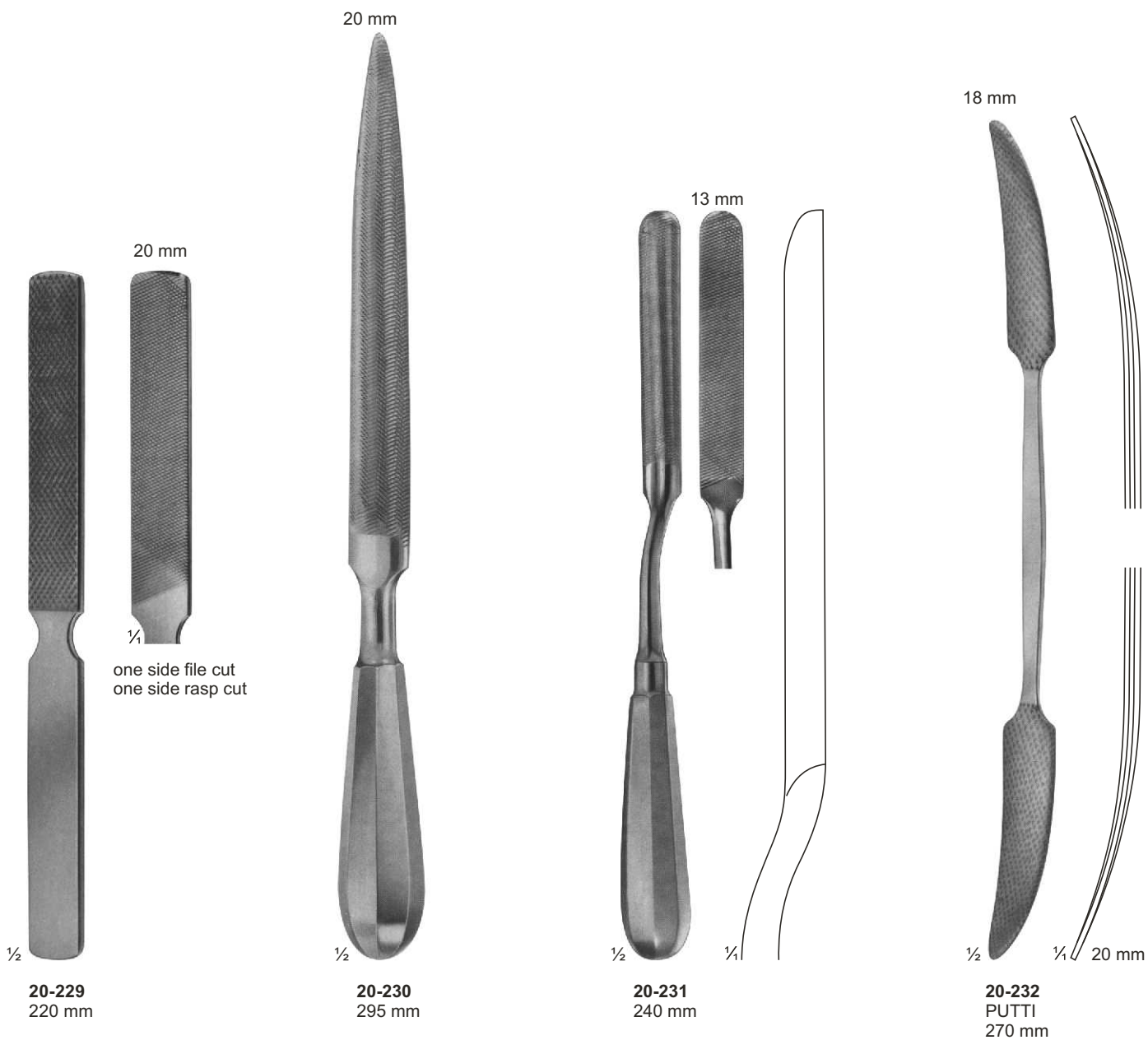
**20-218**  
6,5 mm

**20-218**  
GALLAHER  
190 mm

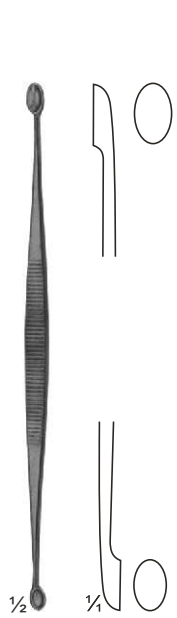
# Bone File and Rasps



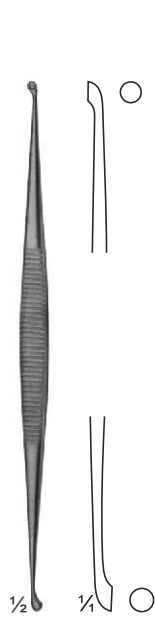
# Bone File and Rasps



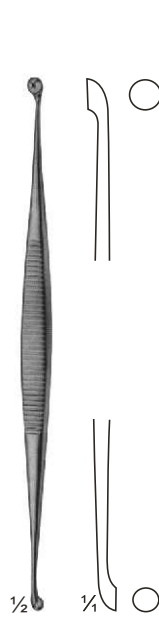
# Bone Curettes



**20-233**  
JACOBSON  
140 mm



**20-234**  
MARTINI  
140 mm



**20-235**  
MARTINI  
140 mm



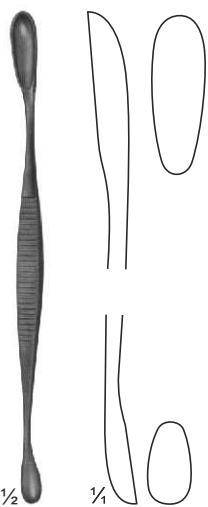
**20-236**  
WILLIGER  
145 mm



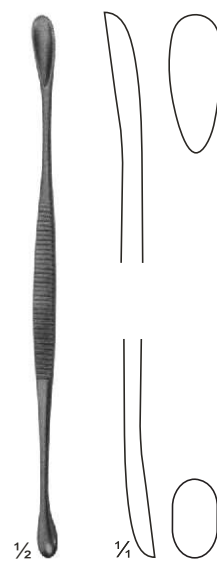
**20-237**  
JANSEN  
160 mm



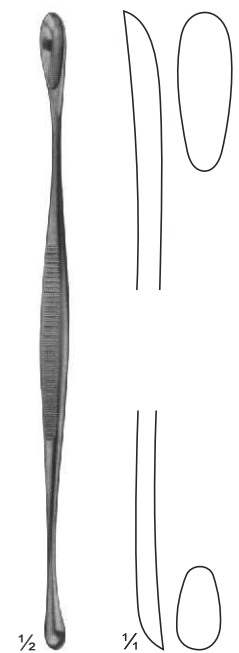
**20-238**  
BARTH  
180 mm



**20-239**  
VOLKMANN  
130 mm



**20-240**  
VOLKMANN  
145 mm

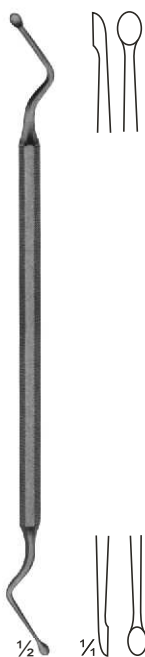


**20-241**  
VOLKMANN  
170 mm

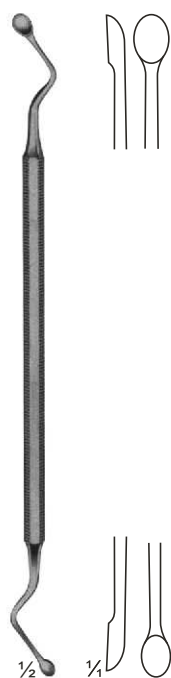
# Bone Curettes



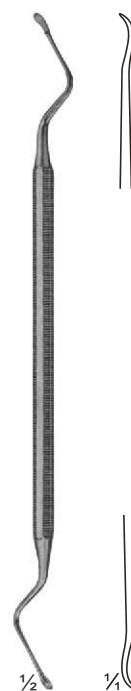
**20-242**  
JANSEN  
160 mm



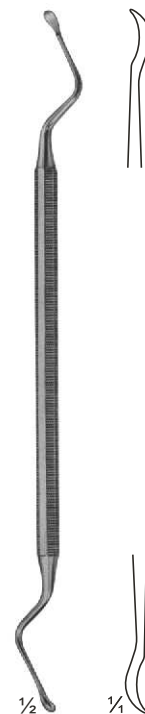
**20-243**  
HEMINGWAY  
170 mm



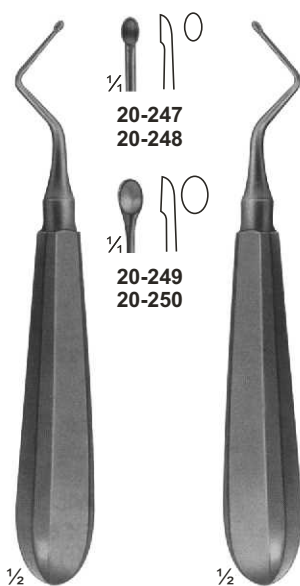
**20-244**  
HEMINGWAY  
175 mm



**20-245**  
LUCAS  
180 mm



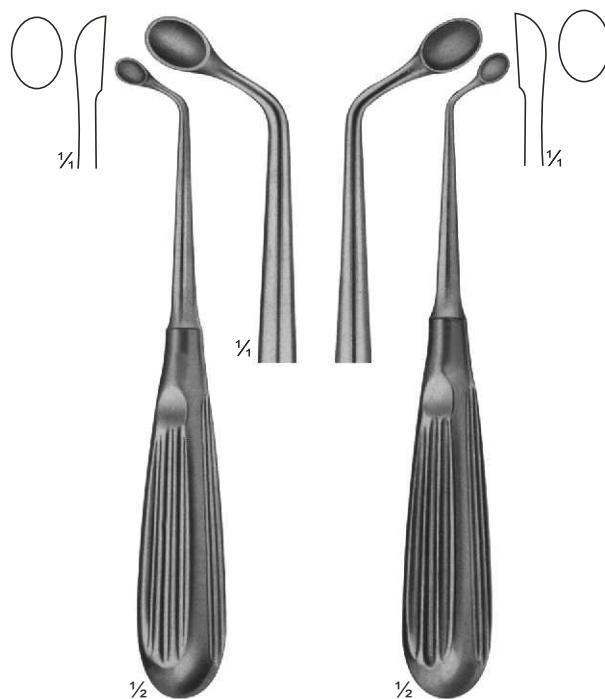
**20-246**  
LUCAS  
185 mm



**20-247 - 248**  
KERPEL  
145 mm



**20-249 - 250**  
KERPEL  
145 mm



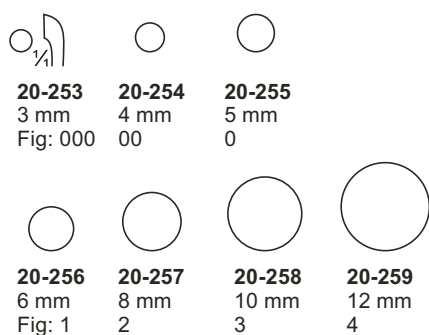
**20-251**  
UFFENDORDE  
170 mm

**20-252**  
UFFENDORDE  
170 mm

# Bone Curettes



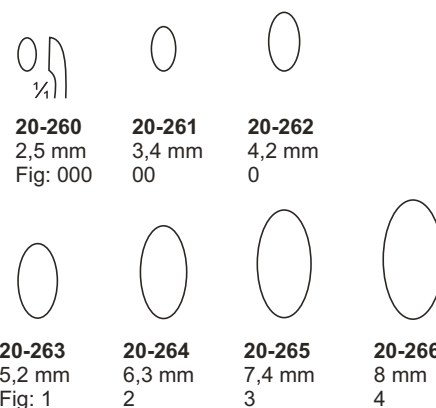
1/2



**20-253 - 259**  
BRUNS  
165 mm



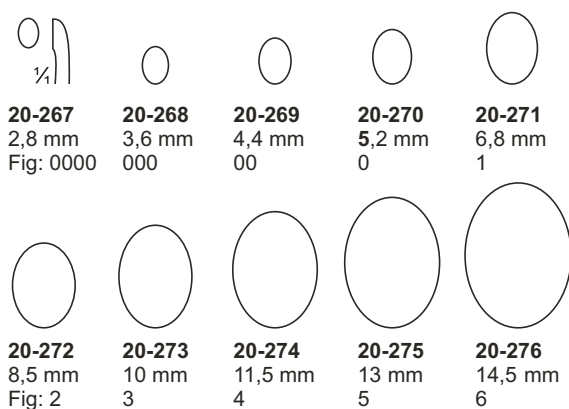
1/2



**20-260 - 266**  
SCHEDE  
170 mm



1/2



**20-267 - 276**  
VOLKMANN  
170 mm

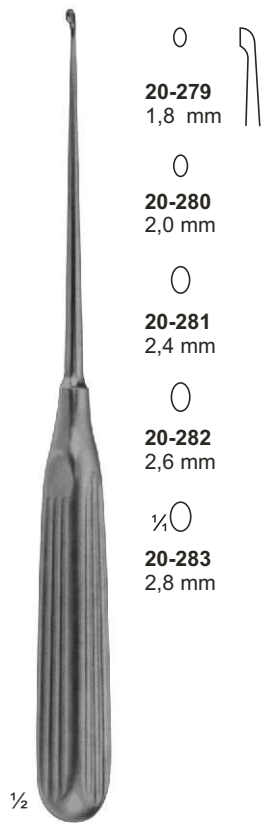


1/2



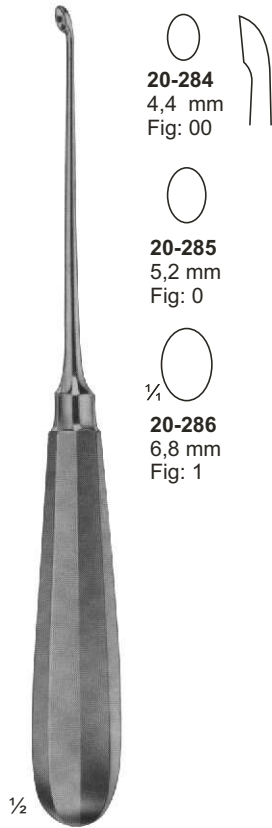
**20-277 - 278**  
WILLIGER  
170 mm

# Bone Curettes



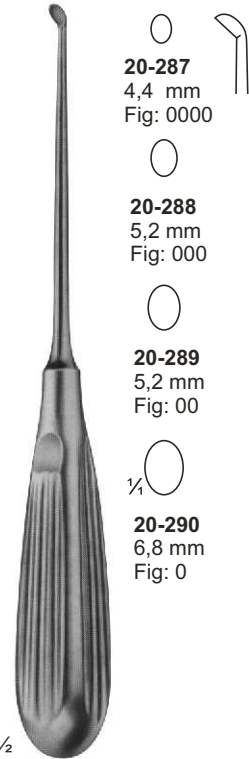
- **20-279**  
1,8 mm
- **20-280**  
2,0 mm
- **20-281**  
2,4 mm
- **20-282**  
2,6 mm
- ¼○  
**20-283**  
2,8 mm

½  
**20-279 - 283**  
LEMPERT  
215 mm



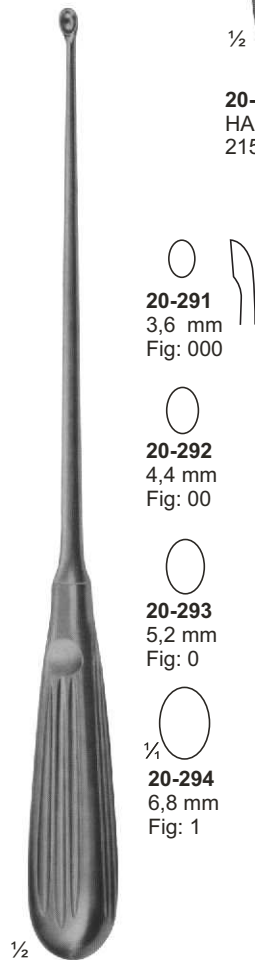
- **20-284**  
4,4 mm  
Fig: 00
- **20-285**  
5,2 mm  
Fig: 0
- ¼○  
**20-286**  
6,8 mm  
Fig: 1

½  
**20-284 - 286**  
HALLE  
215 mm



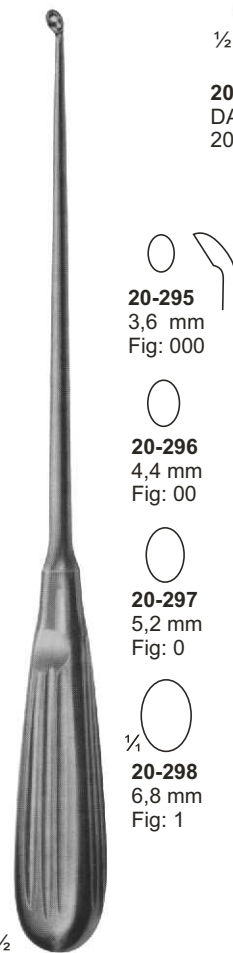
- **20-287**  
4,4 mm  
Fig: 0000
- **20-288**  
5,2 mm  
Fig: 000
- **20-289**  
5,2 mm  
Fig: 00
- ¼○  
**20-290**  
6,8 mm  
Fig: 0

½  
**20-287 - 290**  
DAUBENSPECK  
200 mm



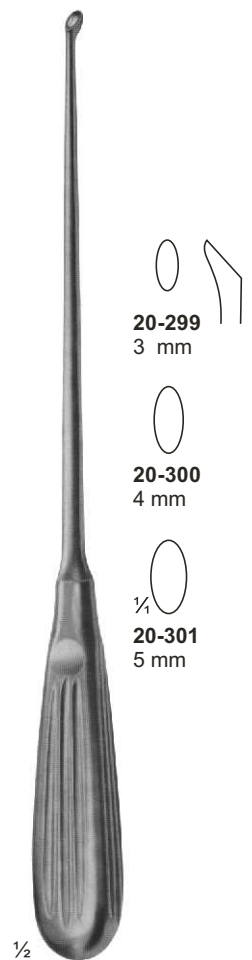
- **20-291**  
3,6 mm  
Fig: 000
- **20-292**  
4,4 mm  
Fig: 00
- **20-293**  
5,2 mm  
Fig: 0
- ¼○  
**20-294**  
6,8 mm  
Fig: 1

½  
**20-291 - 294**  
250 mm



- **20-295**  
3,6 mm  
Fig: 000
- **20-296**  
4,4 mm  
Fig: 00
- **20-297**  
5,2 mm  
Fig: 0
- ¼○  
**20-298**  
6,8 mm  
Fig: 1

½  
**20-295 - 298**  
250 mm




- **20-299**  
3 mm
- **20-300**  
4 mm
- ¼○  
**20-301**  
5 mm

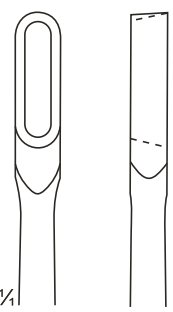
½  
**20-299 - 301**  
BUSHE  
250 mm



# Bone Curettes





6 mm



1/1

**20-302**  
TESSIER  
220 mm

1/2


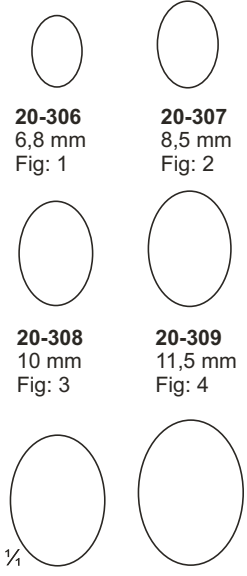
**20-303**  
3,6 mm  
Fig: 000

**20-304**  
4,4 mm  
Fig: 00

**20-305**  
5,2 mm  
Fig: 0

**20-303 - 305**  
SIMON  
235 mm

1/2

**20-306**  
6,8 mm  
Fig: 1

**20-307**  
8,5 mm  
Fig: 2

**20-308**  
10 mm  
Fig: 3



**20-309**  
11,5 mm  
Fig: 4

**20-310**  
13 mm  
Fig: 5

**20-311**  
14,5 mm  
Fig: 6

**20-306 - 311**  
SIMON  
240 mm

1/2



**20-312**  
3,6 mm  
Fig: 000

**20-313**  
4,4 mm  
Fig: 00

**20-314**  
5,2 mm  
Fig: 0

**20-312 - 314**  
CASPAR  
220 mm

1/2



**20-315**  
3,6 mm  
Fig: 000

**20-316**  
4,4 mm  
Fig: 00

**20-317**  
5,2 mm  
Fig: 0

**20-315 - 317**  
CASPAR  
220 mm

1/2

**20-318**  
4 mm

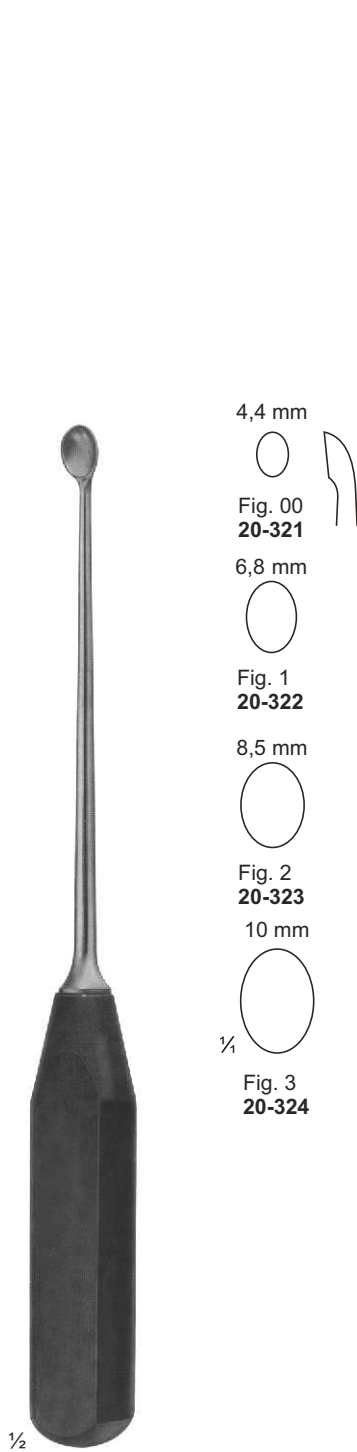
**20-319**  
5 mm

**20-320**  
6 mm

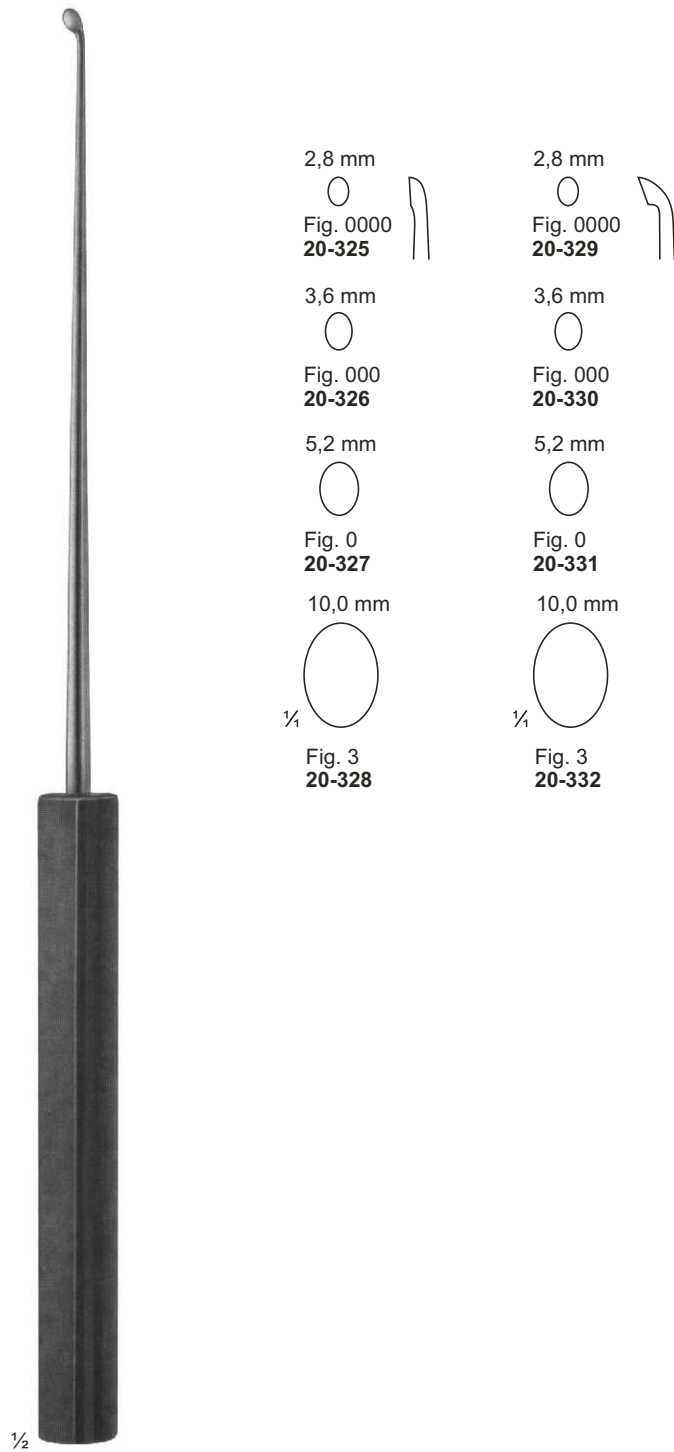
**20-318 - 320**  
CASPAR  
toothed  
220 mm

1/2

# Bone Curettes



**20-321 - 324**  
270 mm



**20-325 - 332**  
SYPERT  
380 mm

# Mallets



Ø 20 mm

1/2

**21-101**  
MEAD  
185 g  
with interchangeable  
plastic disks  
190 mm  
**21-102**  
pair of spare disks



1/2

**21-103**  
140 g  
with interchangeable  
plastic disks  
185 mm  
**21-104**  
pair of spare disks



Ø 25 mm

1/2

**21-105**  
COTTLE  
140 g  
1 Seite convex  
1 Side convex  
185 mm



Ø 22 mm

1/2

**21-106**  
165 g  
lead filled head  
190 mm

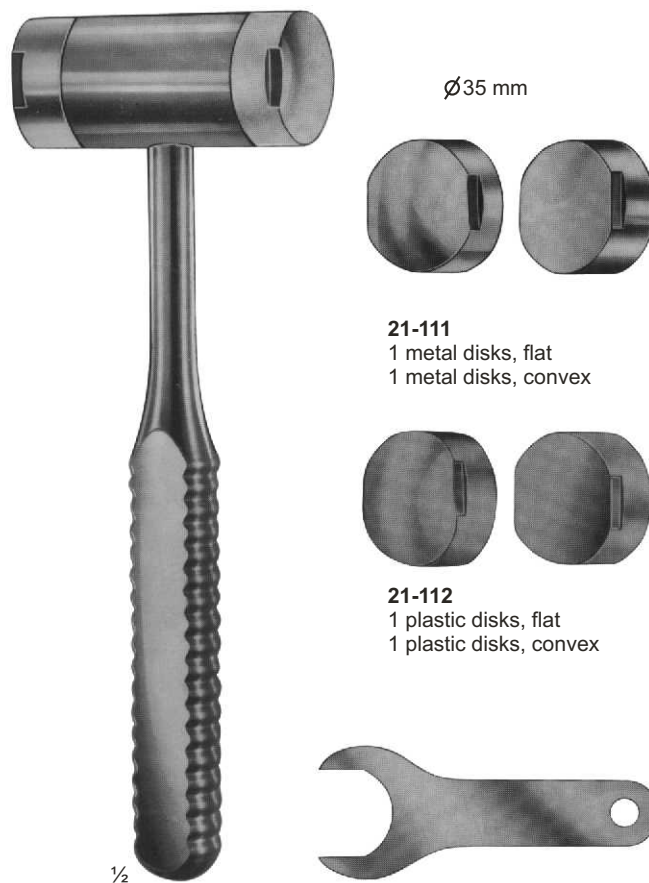
# Mallets



**21-107**  
HAJEK  
140 g  
215 mm



**21-108**  
215 g  
with interchangeable  
plastic disks  
245 mm  
**21-109**  
pair of spare disks



**21-110 - 113**  
WAGNER  
complete with:  
1 pair of metal disks and  
1 pair of plastic disks and  
1 wrench 566  
235 mm

Mallet without disks 130 g

# Mallets



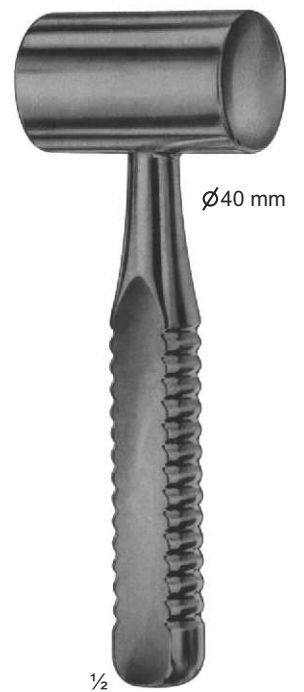
**21-114**  
BERGMANN  
245 mm



**21-115**  
BERGMANN  
235 mm

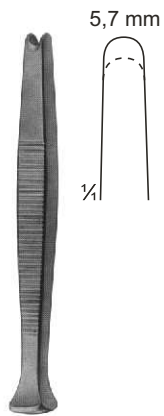


**21-116**  
OMBREDANNE  
240 mm



**21-117**  
HEATH  
copper filled head  
700 g  
185 mm

# Tampers - Osteotomes, Chisels and Gouges



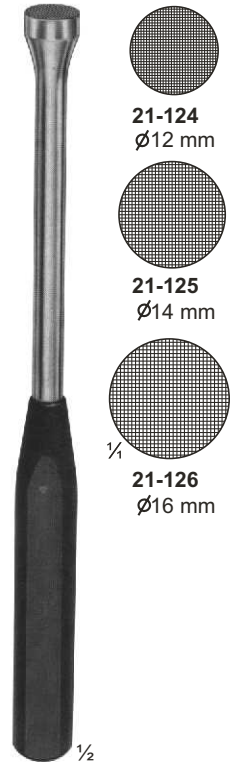
**21-118**  
Haase  
100 mm



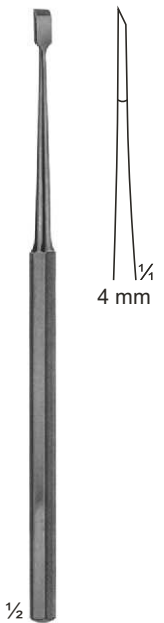
**21-119 - 120**  
PASSOW  
120 mm



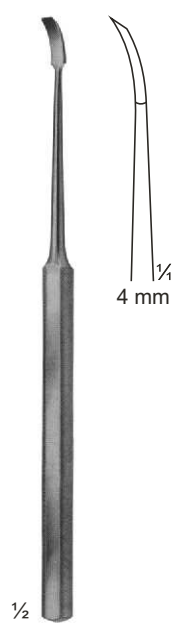
**21-121 - 123**  
CASPER  
200 mm



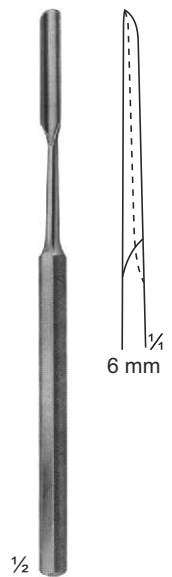
**21-124 - 126**  
200 mm



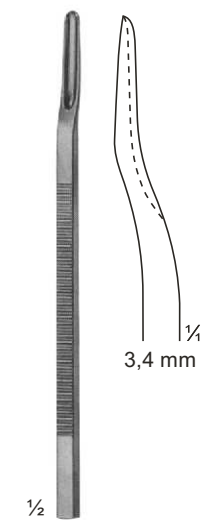
**21-127**  
FREER  
Chisel  
160 mm



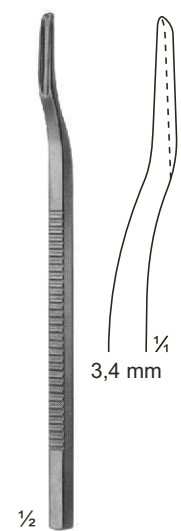
**21-128**  
FREER  
Chisel, curved  
160 mm



**21-129**  
FREER  
Gouge  
150 mm



**21-130**  
Scaphoid gouge,  
downwards curved  
135 mm

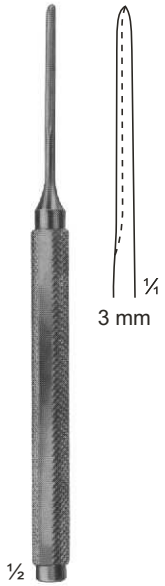


**21-131**  
Scaphoid gouge,  
upwards curved  
135 mm

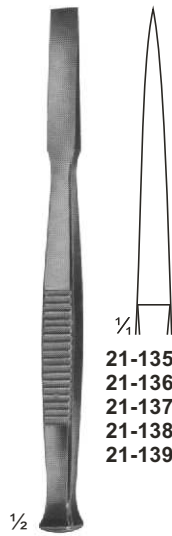


**21-131A - 133**  
Mannerfelt  
**21-131A** 4 mm  
**21-132** 6 mm  
**21-133** 8 mm  
155 mm

# Osteotomes Chisels and Gouges

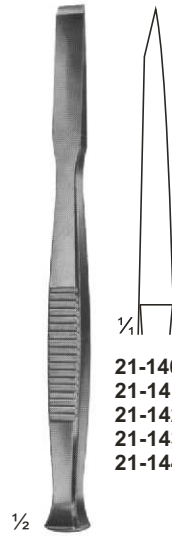


**21-134**  
Mannerfelt  
155 mm



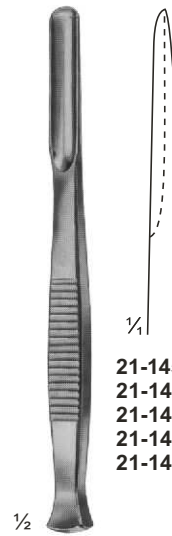
**21-135 - 139**  
Osteotome  
140 mm

- 21-135** 4 mm
- 21-136** 6 mm
- 21-137** 8 mm
- 21-138** 10 mm
- 21-139** 12 mm



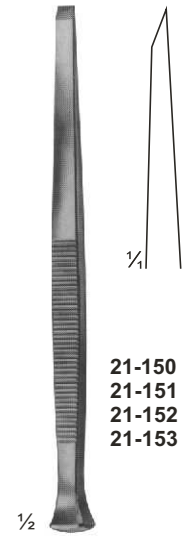
**21-140 - 144**  
Chisels  
140 mm

- 21-140** 4 mm
- 21-141** 6 mm
- 21-142** 8 mm
- 21-143** 10 mm
- 21-144** 12 mm



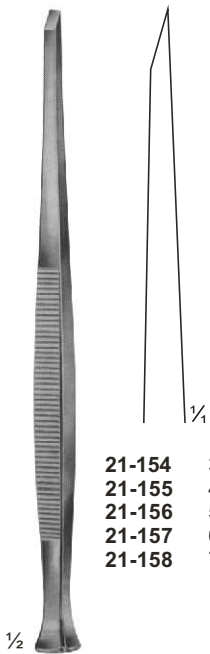
**21-145 - 149**  
Gouges  
140 mm

- 21-145** 4 mm
- 21-146** 6 mm
- 21-147** 8 mm
- 21-148** 10 mm
- 21-149** 12 mm



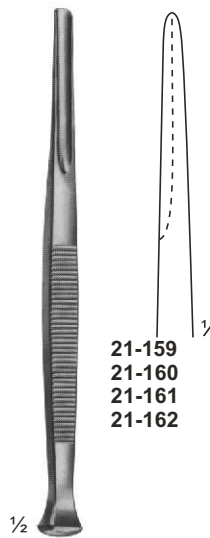
**PARTSCH**  
**21-150 - 153**  
Chisels  
140 mm

- 21-150** 3 mm
- 21-151** 4 mm
- 21-152** 5 mm
- 21-153** 6 mm



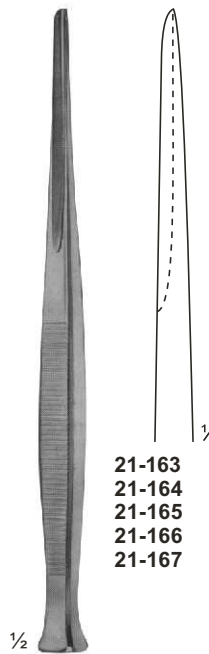
**PARTSCH**  
**21-154 - 158**  
Chisels  
170 mm

- 21-154** 3 mm
- 21-155** 4 mm
- 21-156** 5 mm
- 21-157** 6 mm
- 21-158** 7 mm



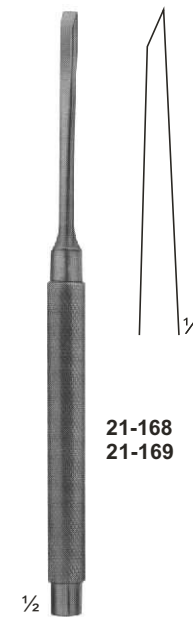
**PARTSCH**  
**21-159 - 162**  
Gouges  
140 mm

- 21-159** 3 mm
- 21-160** 4 mm
- 21-161** 5 mm
- 21-162** 6 mm



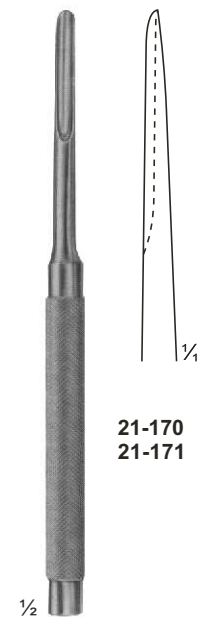
**PARTSCH**  
**21-163 - 167**  
Gouges  
170 mm

- 21-163** 3 mm
- 21-164** 4 mm
- 21-165** 5 mm
- 21-166** 6 mm
- 21-167** 7 mm



**LUCAS**  
**21-168 - 169**  
Chisels  
160 mm

- 21-168** 4 mm
- 21-169** 6 mm

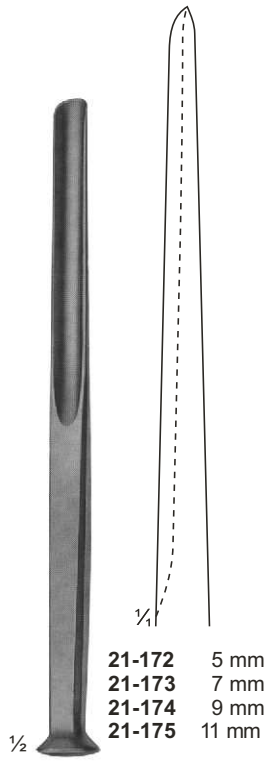


**LUCAS**  
**21-170 - 171**  
Gouges  
160 mm

- 21-170** 3 mm
- 21-171** 5 mm



# Osteotomes Chisels and Gouges



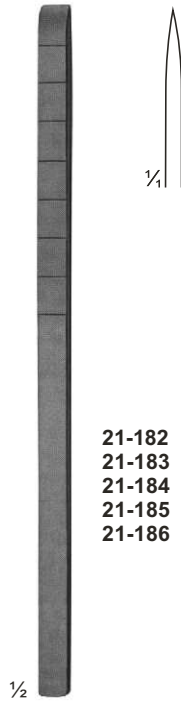
21-172 5 mm  
21-173 7 mm  
21-174 9 mm  
21-175 11 mm

**ALEXANDER**  
21-172 - 175  
Gouges  
170 mm



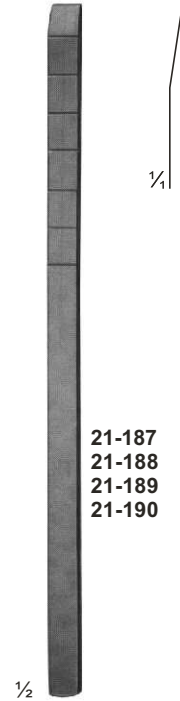
21-176 4 mm  
21-177 6 mm  
21-178 8 mm  
21-179 10 mm  
21-180 12 mm  
21-181 15 mm

**LAMBOTTE**  
21-176 - 181  
Osteotome  
125 mm



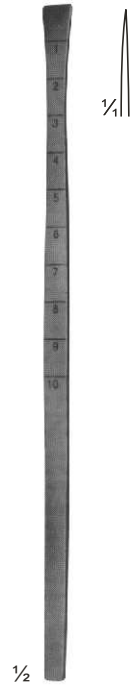
21-182 4 mm  
21-183 6 mm  
21-184 8 mm  
21-185 10 mm  
21-186 12 mm

**COTTLE**  
21-182 - 186  
Osteotome with depth  
markings  
180 mm

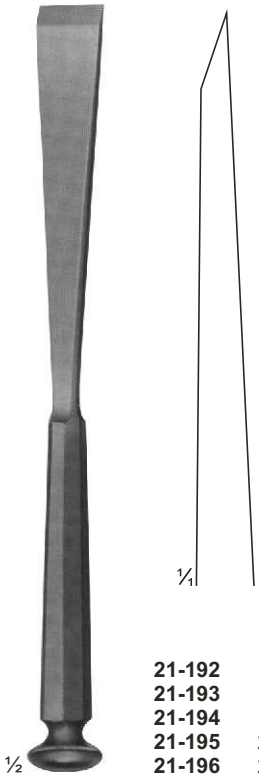


21-187 4 mm  
21-188 7 mm  
21-189 9 mm  
21-190 12 mm

**COTTLE**  
21-187 - 190  
Chisel-Osteotomes  
with depth markings  
180 mm

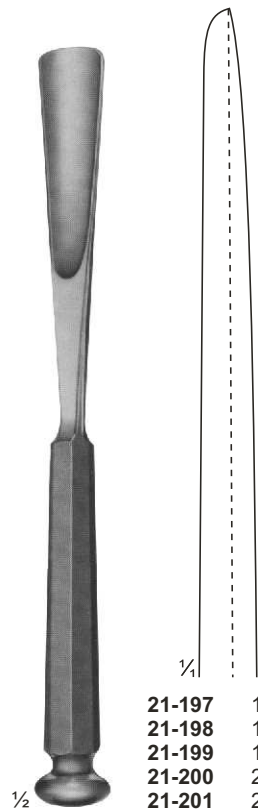


**COTTLE**  
21-191  
Fishtail Chisel,  
with protected ends  
180 mm



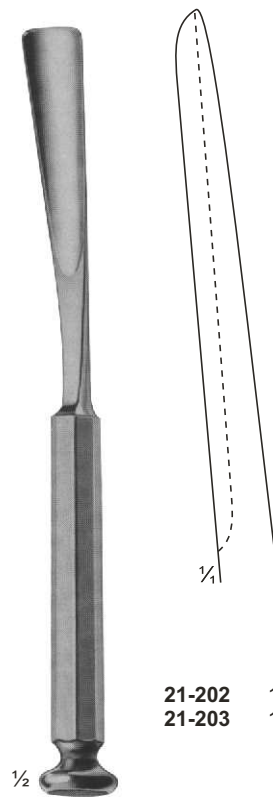
21-192 10 mm  
21-193 12 mm  
21-194 15 mm  
21-195 20 mm  
21-196 25 mm

**STILLE**  
21-192 - 196  
Chisels  
205 mm



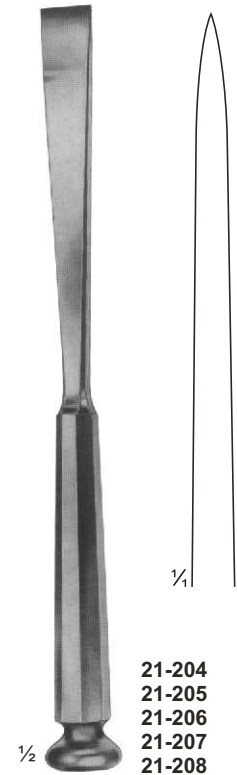
21-197 10 mm  
21-198 12 mm  
21-199 15 mm  
21-200 20 mm  
21-201 25 mm

**STILLE**  
21-197 - 201  
Gouges  
205 mm



21-202 10 mm  
21-203 15 mm

**WALTER**  
21-202 - 203  
Osteotomes  
gouges for taking  
grafts from the rib  
205 mm



21-204 8 mm  
21-205 12 mm  
21-206 15 mm  
21-207 20 mm  
21-208 25 mm

**STILLE**  
21-204 - 208  
Osteotomes  
205 mm

# Osteotomes



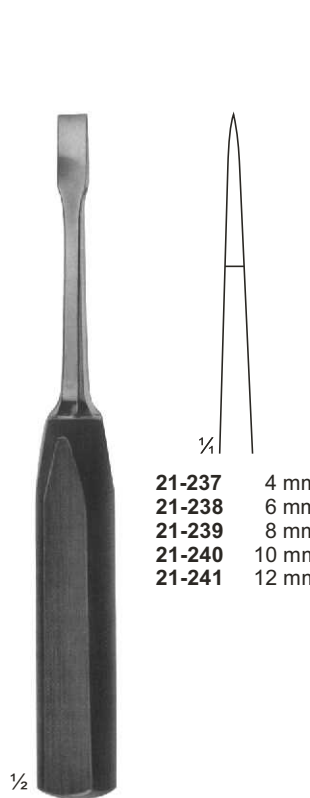
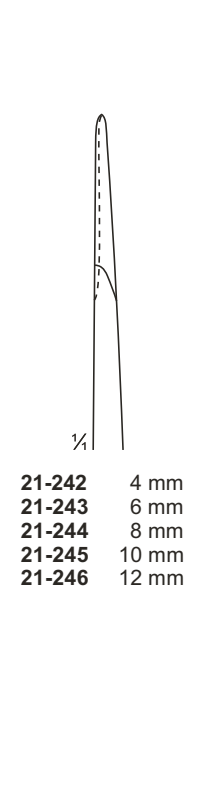
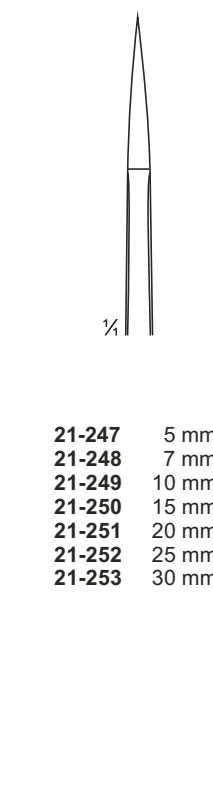



**STILLE**  
21-209 - 213  
Osteotomes  
205 mm

**STILLE**  
21-214 - 218  
Osteotomes, curved  
205 mm

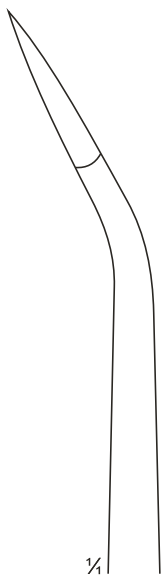
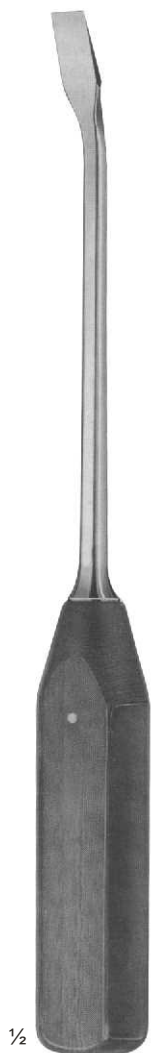
**LAMBOTTE**  
21-219 - 230  
Osteotomes  
245 mm

**LAMBOTTE**  
21-231 - 236  
Osteotomes, curved  
245 mm

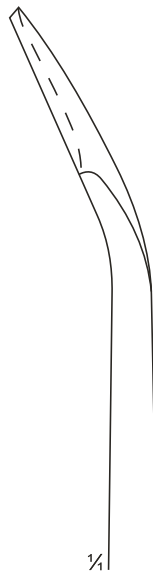
# Osteotomes, Chisels and Gouges with HARTPRESS -handle

 <p>1/2</p> <p><b>LEXER-MINI</b> <b>21-237 - 241</b> Osteotomes 180 mm</p>	<p>1/4</p> <p><b>21-237</b> 4 mm <b>21-238</b> 6 mm <b>21-239</b> 8 mm <b>21-240</b> 10 mm <b>21-241</b> 12 mm</p>	 <p>1/2</p> <p><b>LEXER-MINI</b> <b>21-242 - 246</b> Gouges 180 mm</p>	<p>1/4</p> <p><b>21-242</b> 4 mm <b>21-243</b> 6 mm <b>21-244</b> 8 mm <b>21-245</b> 10 mm <b>21-246</b> 12 mm</p>	 <p>1/2</p> <p><b>LEXER</b> <b>21-247 - 253</b> Osteotomes 220 mm</p>	<p>1/4</p> <p><b>21-247</b> 5 mm <b>21-248</b> 7 mm <b>21-249</b> 10 mm <b>21-250</b> 15 mm <b>21-251</b> 20 mm <b>21-252</b> 25 mm <b>21-253</b> 30 mm</p>
 <p>1/2</p> <p><b>LEXER</b> <b>21-254 - 260</b> Gouges 220 mm</p>	<p>1/4</p> <p><b>21-254</b> 5 mm <b>21-255</b> 7 mm <b>21-256</b> 10 mm <b>21-257</b> 15 mm <b>21-258</b> 20 mm <b>21-259</b> 25 mm <b>21-260</b> 30 mm</p>	 <p>1/2</p> <p><b>LEXER</b> <b>21-261</b> Gouge for removing broken screws 220 mm</p>	<p>1/4</p>	 <p>1/2</p> <p><b>ZIELKE</b> <b>21-262 - 263</b> Gouge for scoliose-operations 230 mm</p>	<p>1/4</p> <p><b>21-262</b> 5,5 mm <b>21-263</b> 9,0 mm</p>

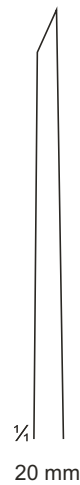
# Osteotomes ,Chisels and Gouges with HARTPRESS -handle



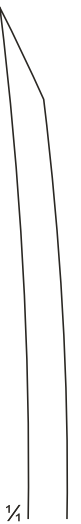
21-264 10 mm  
21-265 15 mm



21-266 10 mm  
21-267 15 mm



20 mm



16 mm

LEXER  
21-264 - 265  
Osteotomes,  
angled  
275 mm

LEXER  
21-266 - 267  
Gouges,  
angled  
275 mm

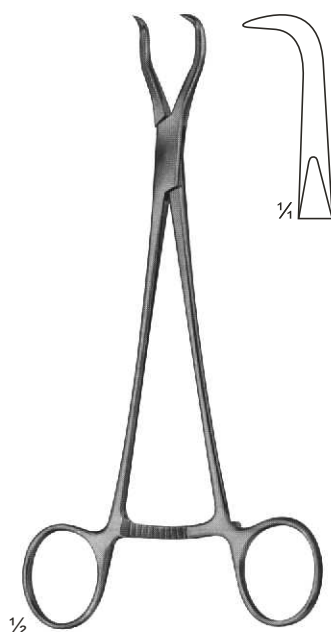
21-268  
Chisel  
245 mm

21-269  
Chisel, curved  
265 mm

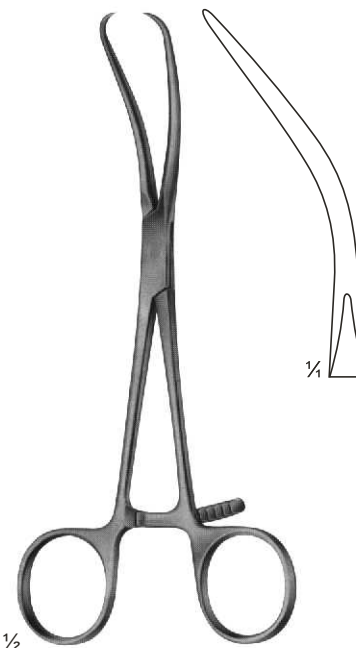
# Reposition Forceps



**22-101**  
Reposition forceps,  
for small fragments  
135 mm



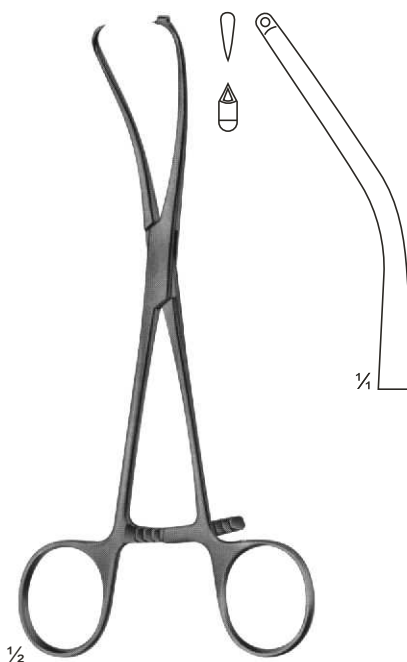
**HAASE**  
**22-102**  
Reposition forceps,  
for mandibular  
fractures  
165 mm



**REILL**  
**22-103**  
Reposition forceps,  
170 mm



**22-104**  
Reposition forceps  
205 mm



**MEYER**  
**22-105**  
Reposition forceps  
for fingers, with drill  
guide for KIRSCHNER  
wires up to daim.1.0 mm  
170 mm

# Reposition Forceps, Bone Holding Forceps



**22-106**  
Patella forceps  
185 mm



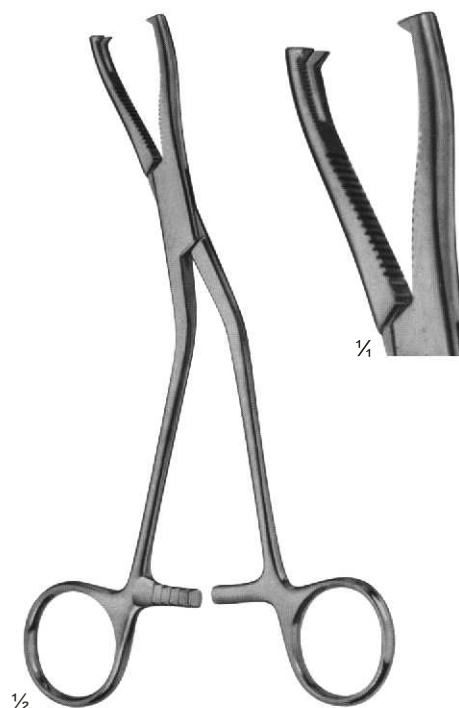
**22-107**  
Forceps with  
ratchet fixation  
140 mm



**22-108**  
Forceps with  
thread fixation  
170 mm



**22-109**  
Forceps with  
thread fixation  
235 mm



**22-110**  
DINGMANN  
185 mm

# Bone Holding Forceps



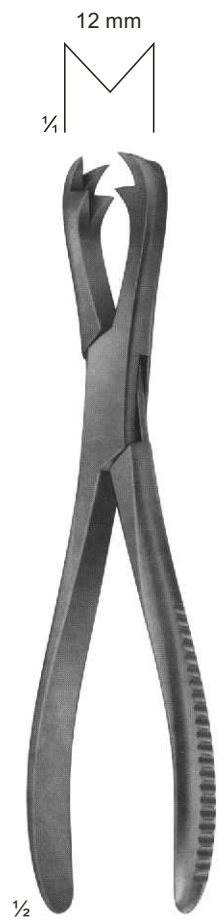
**22-111**  
Sequestrum  
forceps  
200 mm



**22-112**  
VAN BUREN  
Sequestrum  
forceps  
225 mm



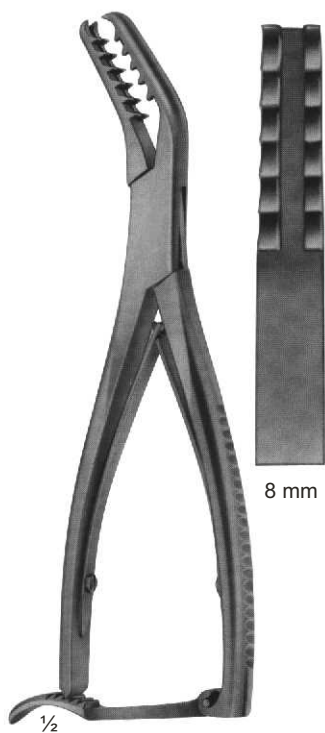
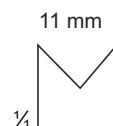
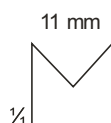
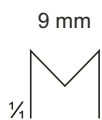
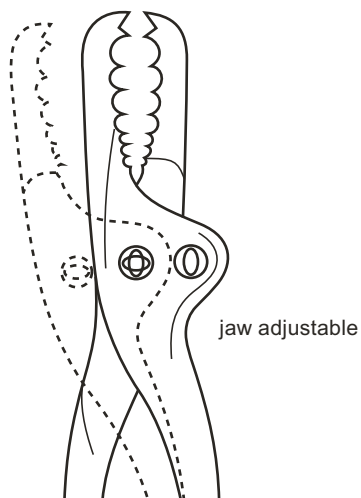
**22-113**  
LANGENBECK  
Sequestrum  
forceps  
205 mm



**22-114**  
FERGUSSON  
205 mm



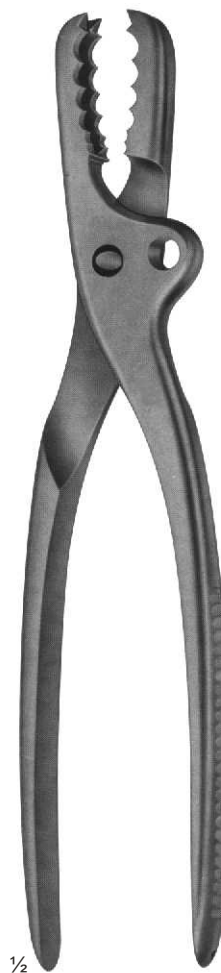
# Bone Holding Forceps



**22-115**  
SEMB  
190 mm



**22-116**  
FARABEUFF  
230 mm



**22-117**  
FARABEUFF  
255 mm

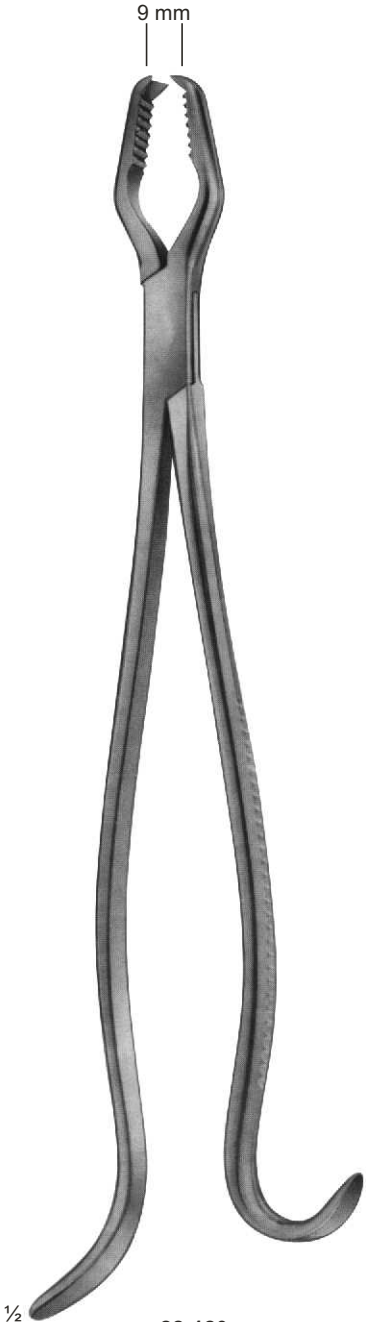


**22-118**  
FARABEUFF-LAMBOTTE  
255 mm

# Bone Holding Forceps



**22-119**  
KERN-LANE  
240 mm



**22-120**  
LANE  
330 mm



**22-121**  
KERN-LANE  
240 mm

# Bone Holding Forceps



**22-122**  
LANE  
320 mm



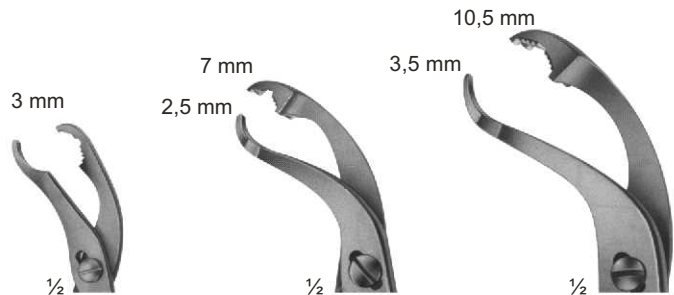
**22-123**  
HEY GROVES  
305 mm

# Bone Holding Forceps



**22-124 - 128**

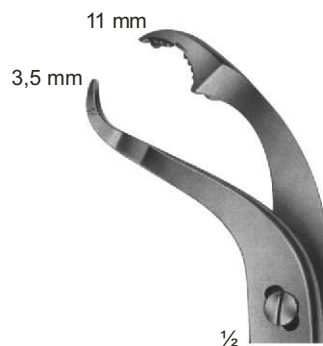
- 22-124 145 mm
- 22-125 190 mm
- 22-126 240 mm
- 22-127 260 mm
- 22-128 280 mm



**22-124**  
for small  
fragments

**22-125**  
Fig: 0

**22-126**  
Fig: 1



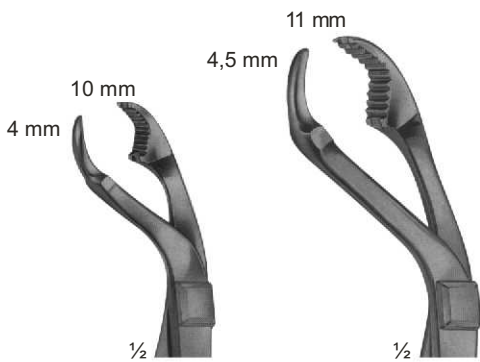
**22-127**  
Fig: 2

**22-128**  
Fig: 3

Self-centering forceps  
with thread fixation



**22-129 - 131**  
VERBRUGGE  
with lip joint



**22-129**  
Fig: 1

**22-130**  
Fig: 2

**22-131**  
Fig: 3



**22-132**  
LAMBOTTE  
265 mm

# Bone Clamps

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½  
**22-133 - 134**  
LOWMAN  
**22-133** 170 mm  
**22-134** 205 mm



½  
**22-135**  
LOWMAN-GERSTER  
210 mm

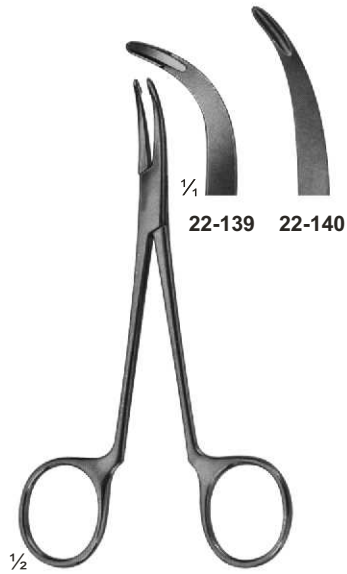


½  
**22-136**  
LOWMAN-HOGLUND  
175 mm

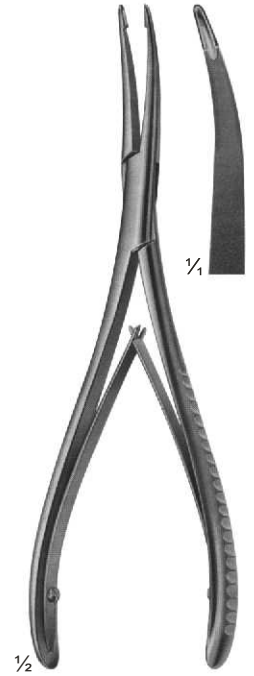
# Synovectomy-Rongeurs, Bone Rongeurs



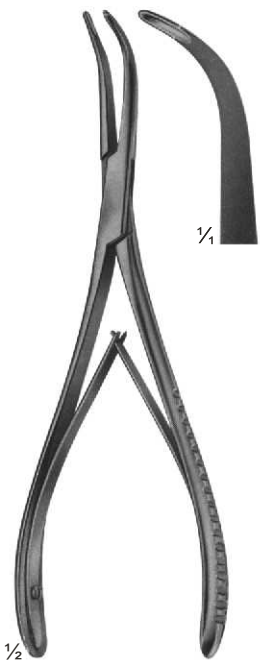
**22-137 - 138**  
Synovcetomy rongeur  
width of jaws 1.2 mm  
130 mm



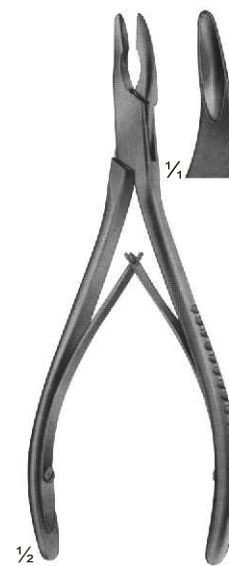
**22-139 - 140**  
Synovcetomy rongeur  
width of jaws 2.0 mm  
130 mm



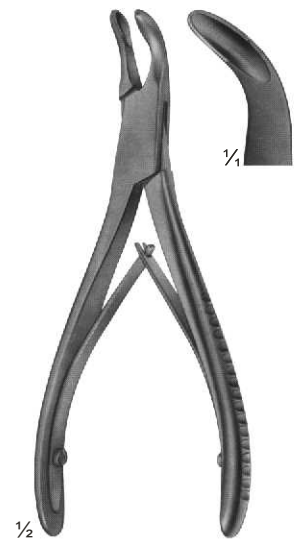
**22-141**  
STELLBRINK  
Synovectomy rongeur  
175 mm



**22-142**  
STELLBRINK  
Synovectomy rongeur  
170 mm



**22-143**  
LURE-FRIEDMANN  
145 mm

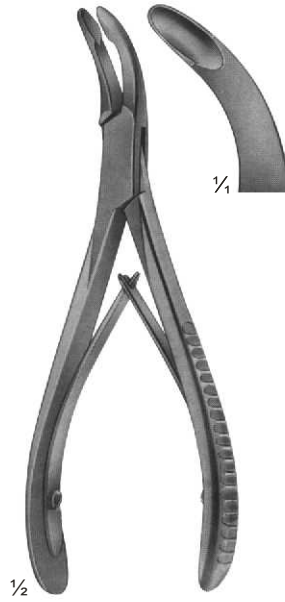


**22-144**  
140 mm

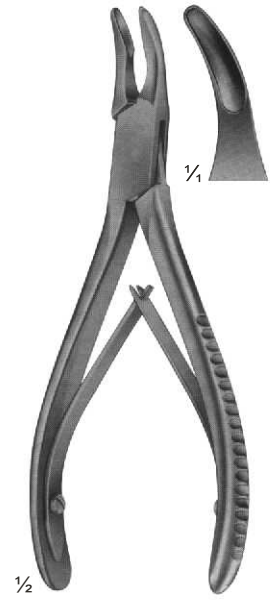
# Bone Rongeurs



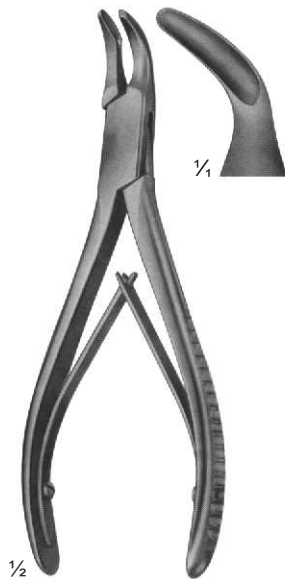
**22-145**  
LURE  
150 mm



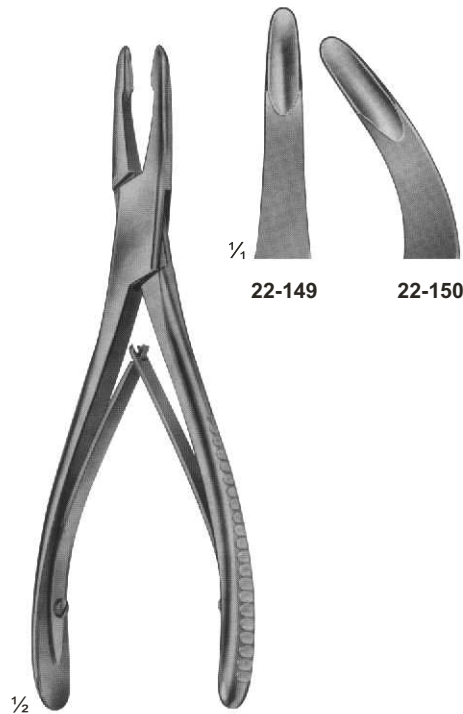
**22-146**  
LURE  
155 mm



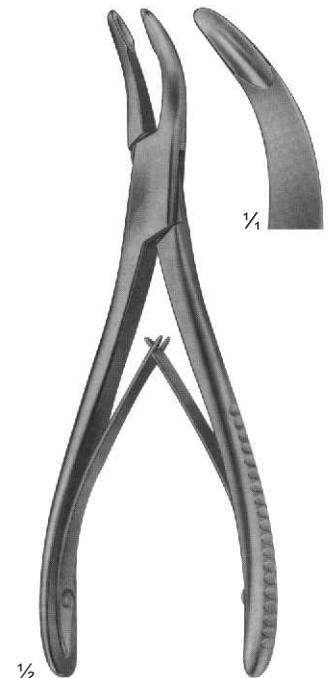
**22-147**  
BLUMENTHAL  
155 mm



**22-148**  
BLUMENTHAL  
150 mm



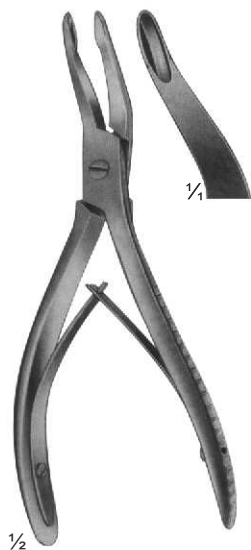
**22-149 - 150**  
JANSEN  
175 mm



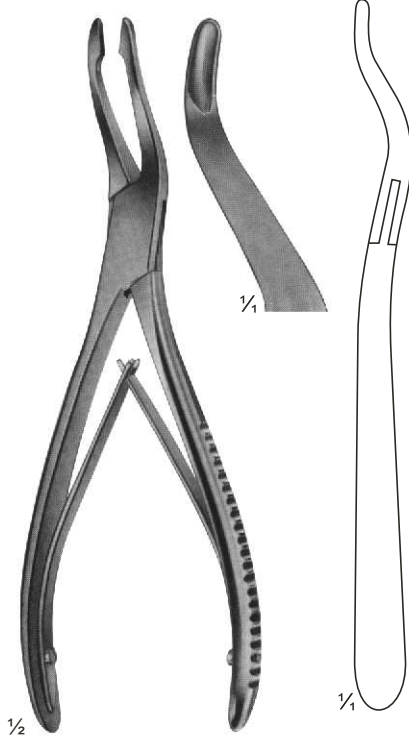
**22-151**  
BANE-HARTMANN  
175 mm



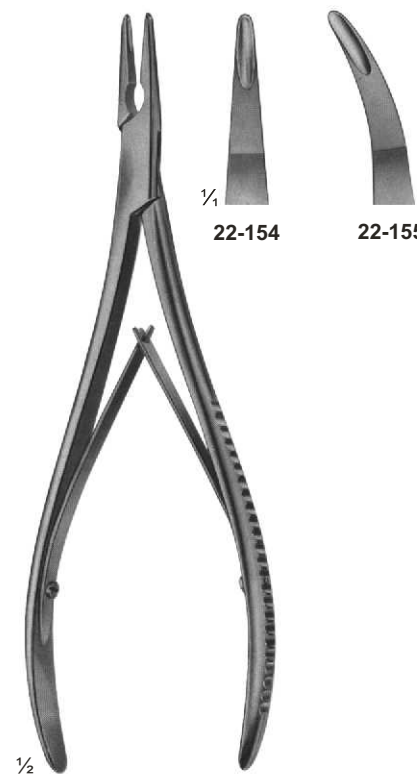
# Bone Rongeurs



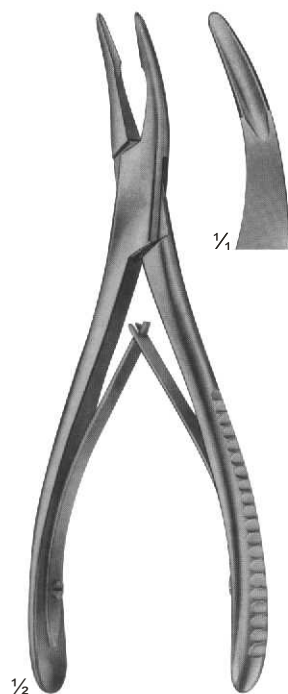
**22-152**  
ALEXANDER  
140 mm



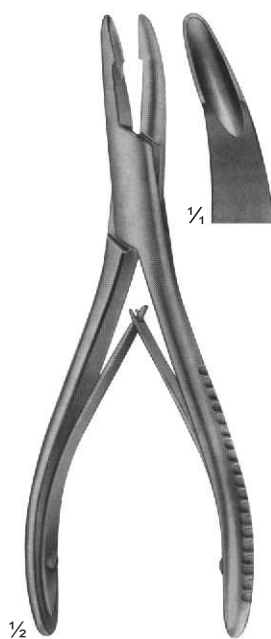
**22-153**  
JANSEN  
190 mm



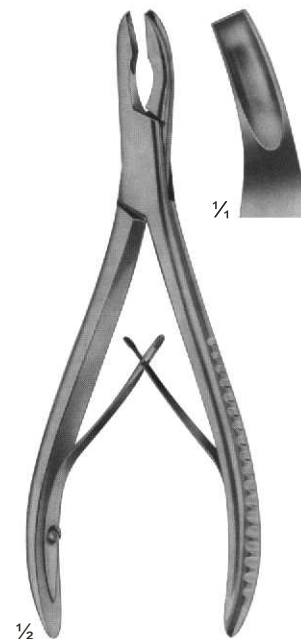
**22-154 - 155**  
LEMPERT  
200 mm



**22-156**  
BEYER  
180 mm

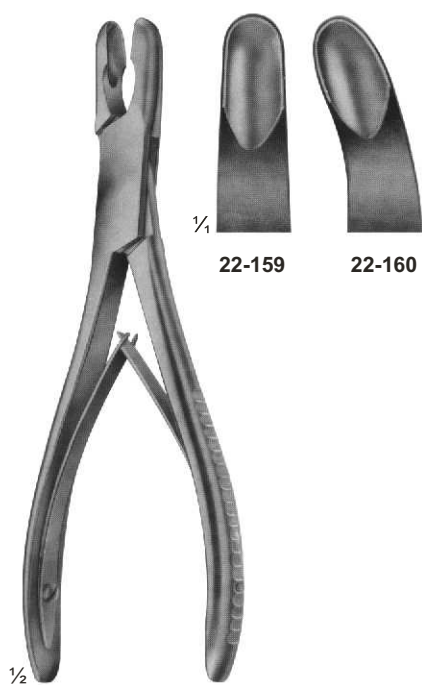


**22-157**  
MEAD  
165 mm



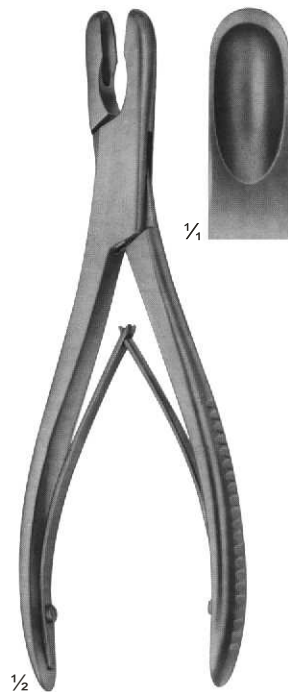
**22-158**  
MEAD  
165 mm

# Bone Rongeurs

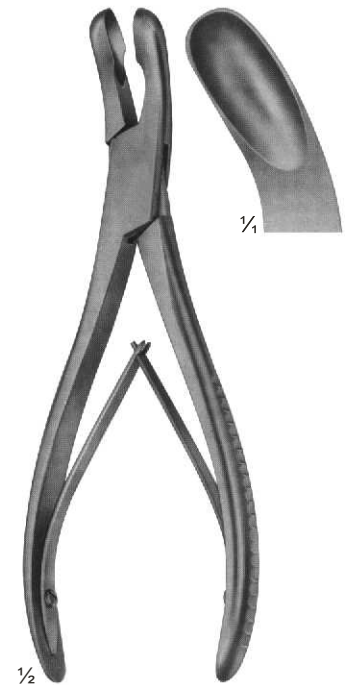


22-159 22-160

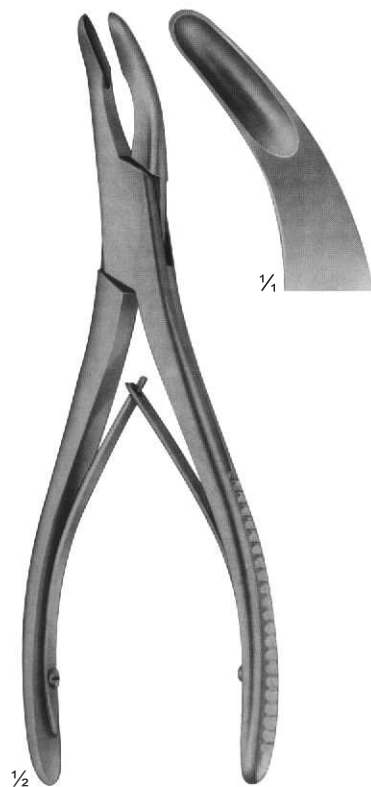
22-159 - 160  
LURE  
175 mm



22-161  
LURE  
180 mm



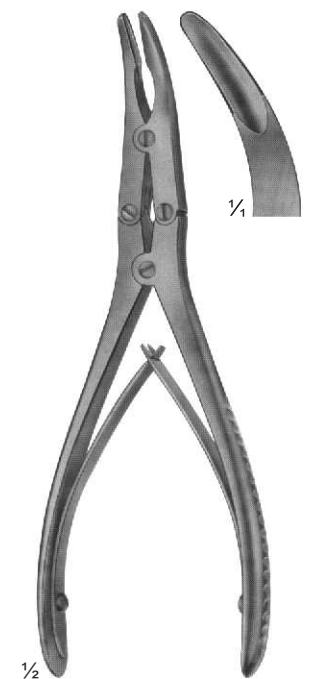
22-162  
LURE  
180 mm



22-163  
OLIVECRONA  
205 mm

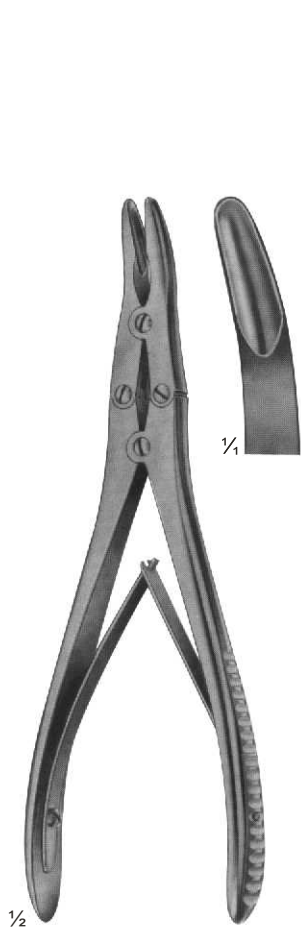


22-164 - 165  
BOHLER  
155 mm



22-166  
MARQUARTD  
200 mm

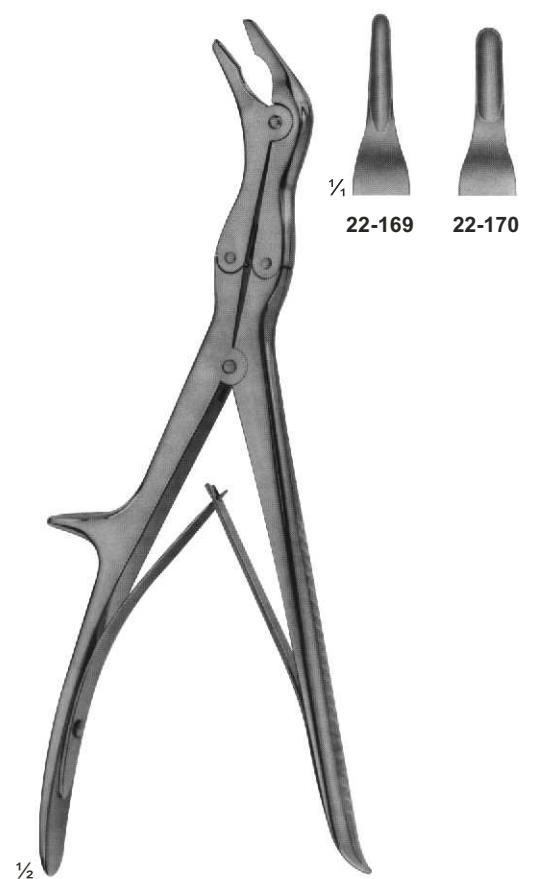
# Bone Rongeurs



**22-167**  
RUSKIN  
190 mm



**22-168**  
ROTTGEN-RUSKIN  
240 mm



**22-169 - 170**  
ECHLIN  
230 mm

# Bone Rongeurs



**22-171**  
STILLE  
235 mm

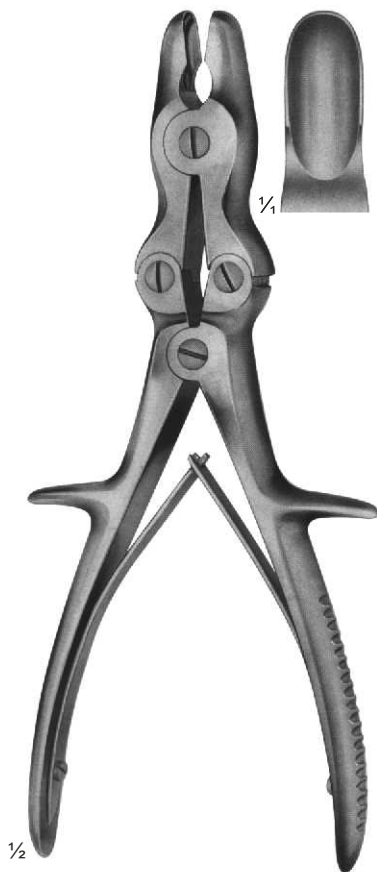


**22-172**  
LEKSELL-STILLE  
240mm



**22-173**  
STILLE-RUSKIN  
240mm

# Bone Rongeurs

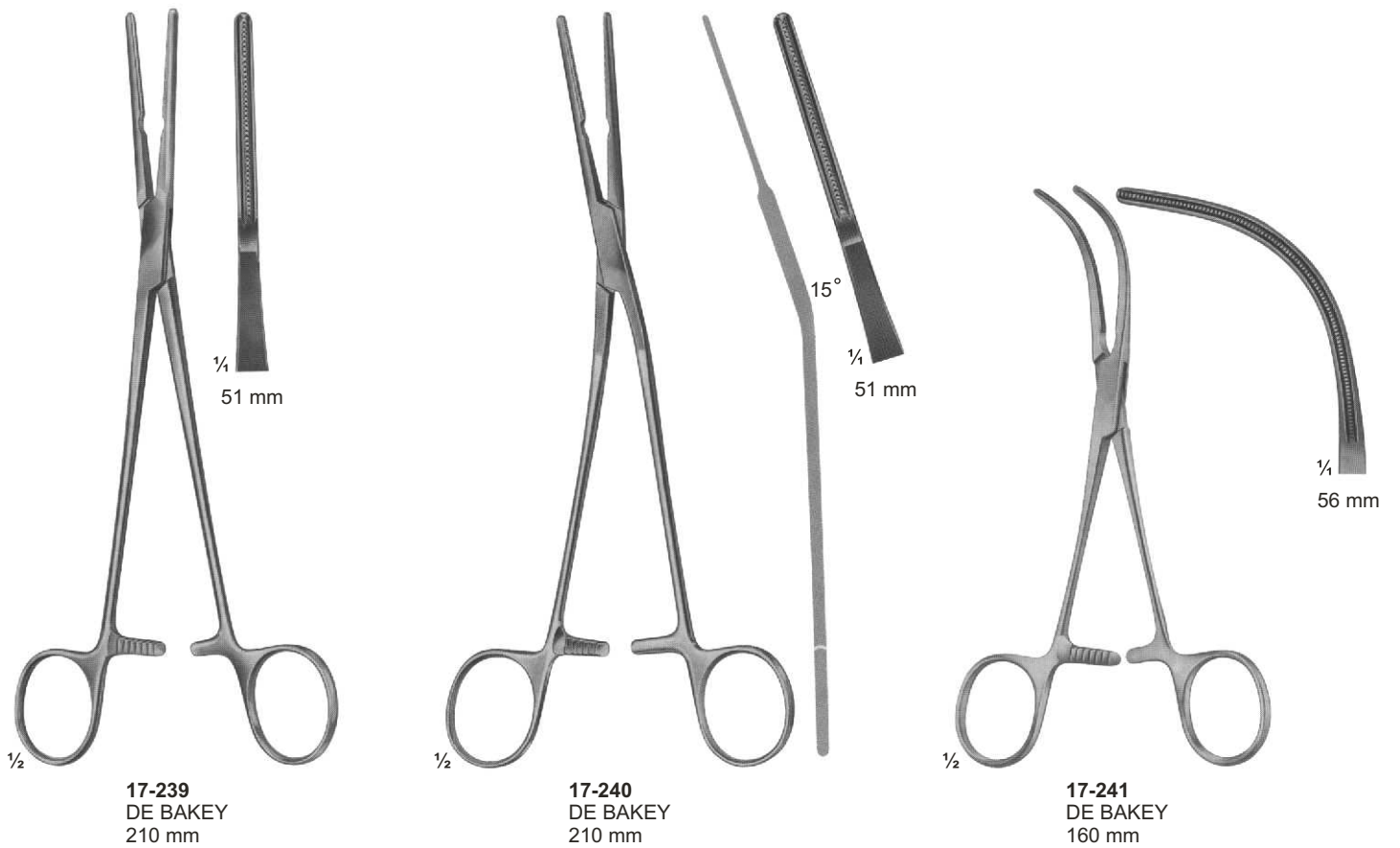
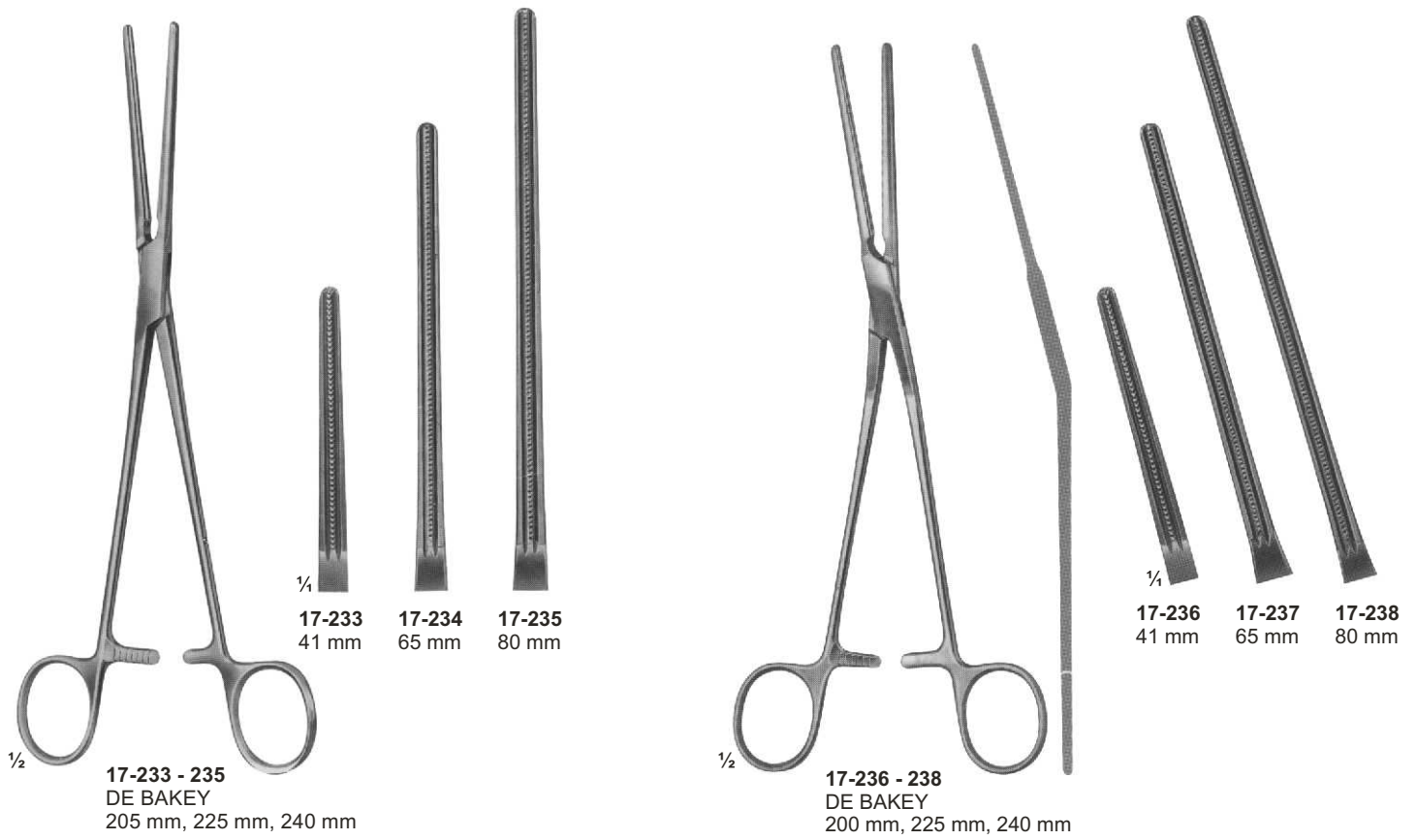


**22-174**  
LURE-STILLE  
225 mm

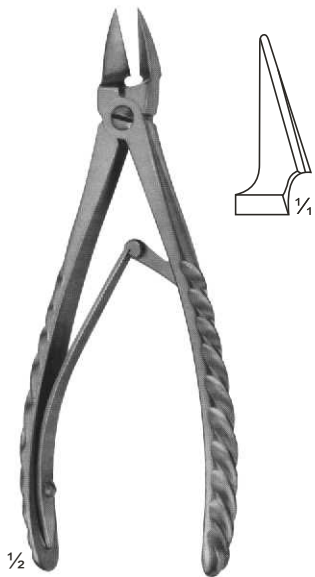


**22-175**  
LURE-STILLE  
225 mm

# Vena-Cava Clamps



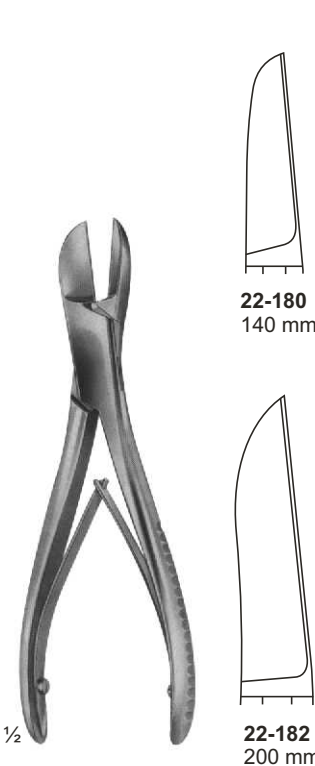
# Bone Cutting Forceps



**22-178**  
STAMM  
150 mm



**22-179**  
KAZANJIAN  
185 mm



**22-180 - 183**  
LISTON



**22-180**  
140 mm



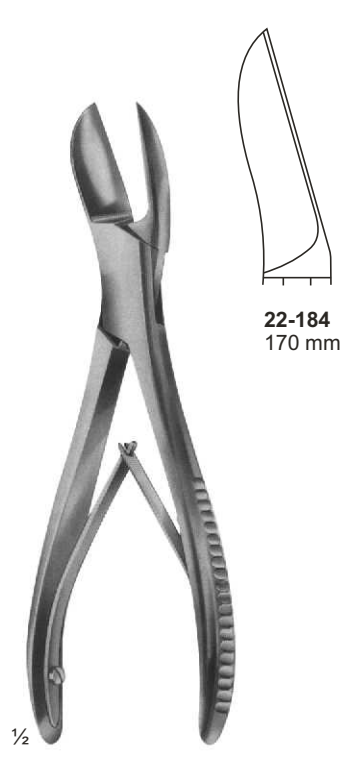
**22-181**  
170 mm



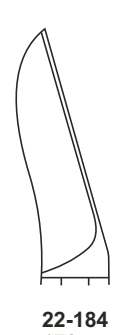
**22-182**  
200 mm



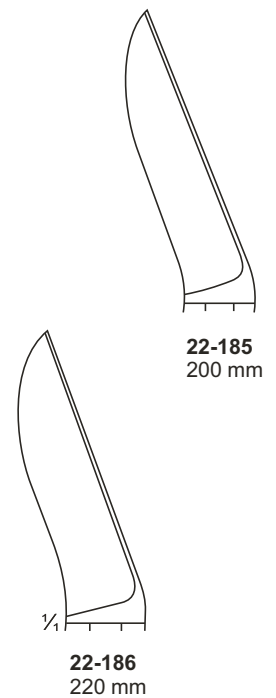
**22-183**  
220 mm



**22-184 - 186**  
LISTON



**22-184**  
170 mm



**22-185**  
200 mm



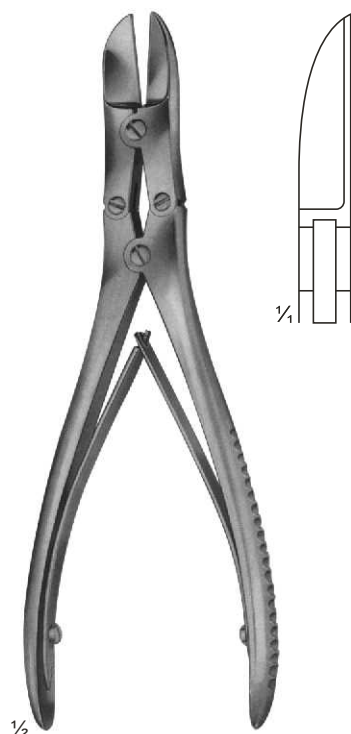
**22-186**  
220 mm



# Bone Cutting Forceps



**22-187**  
BOHLER  
145 mm

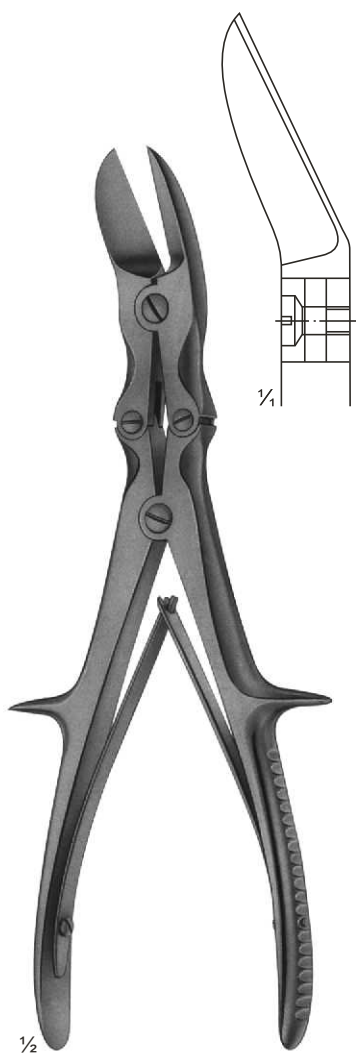


**22-188**  
RUSKIN-LISTON  
190 mm

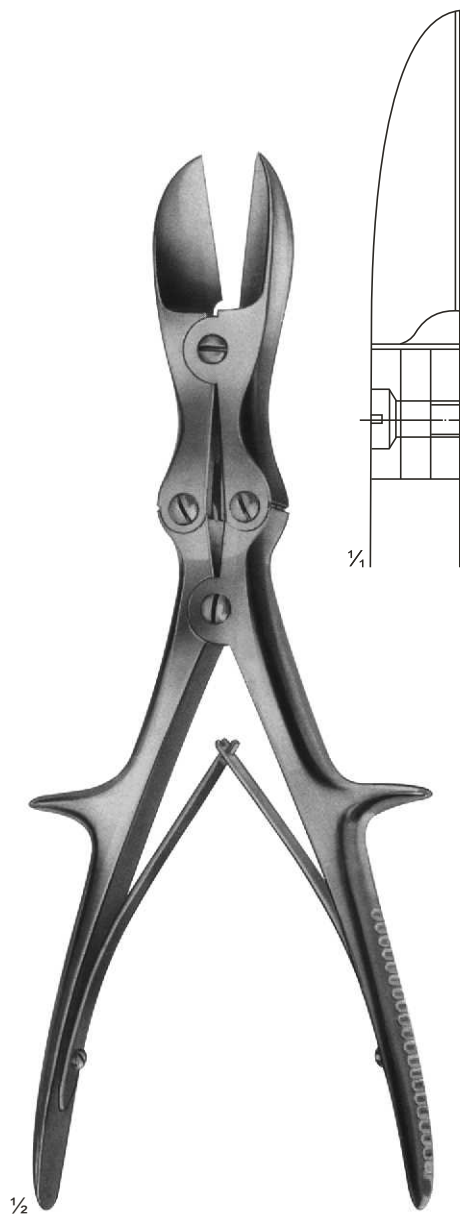


**22-189**  
RUSKIN-LISTON  
190 mm

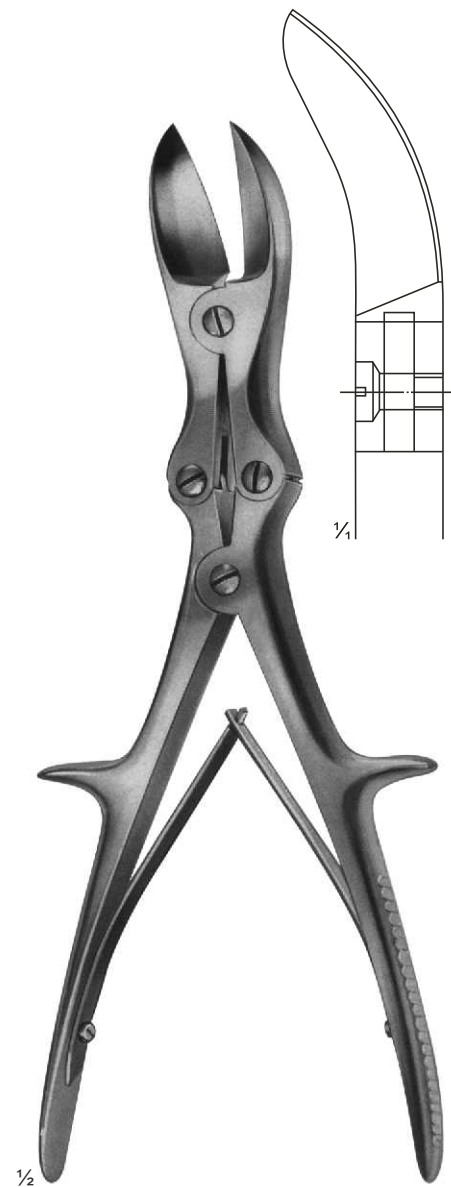
# Bone Cutting Forceps



**22-190**  
LISTON  
curved on flat  
240 mm

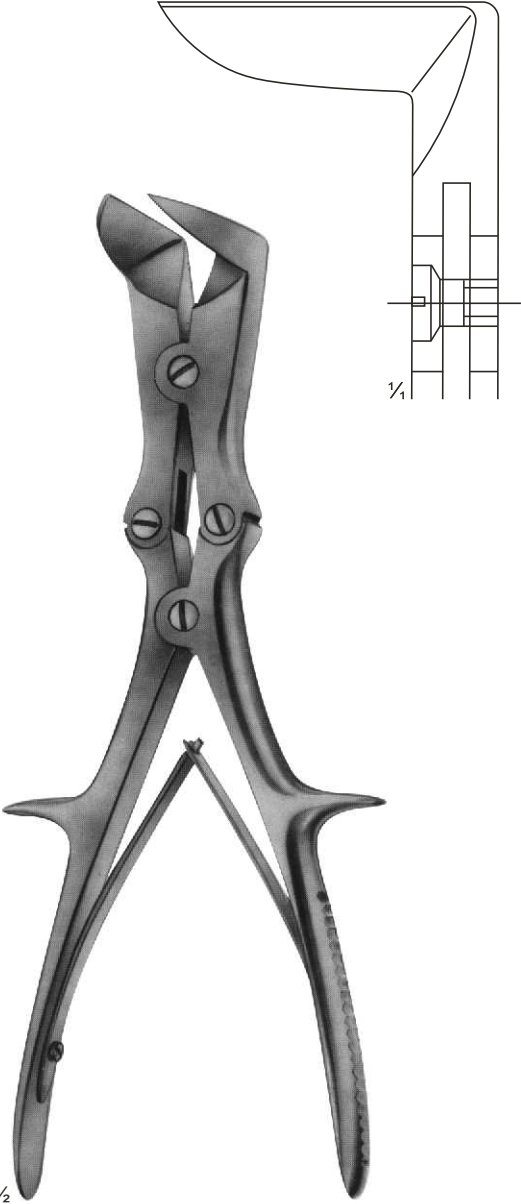


**22-191**  
LISTON  
straight  
280 mm

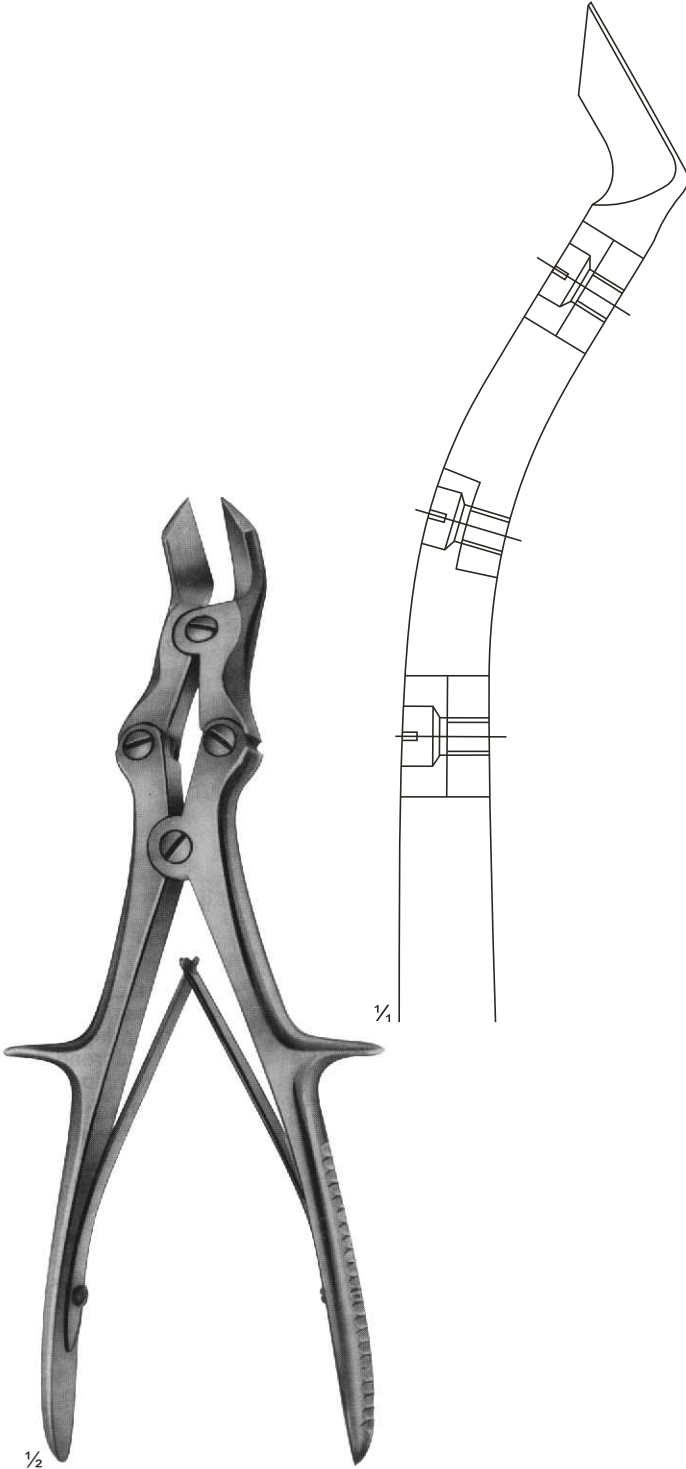


**22-192**  
LISTON  
curved on flat  
280 mm

# Bone Cutting Forceps

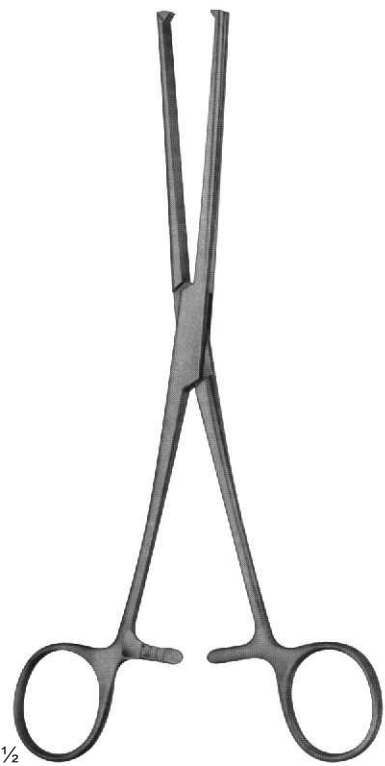


**22-193**  
LISTON-STILLE  
265 mm

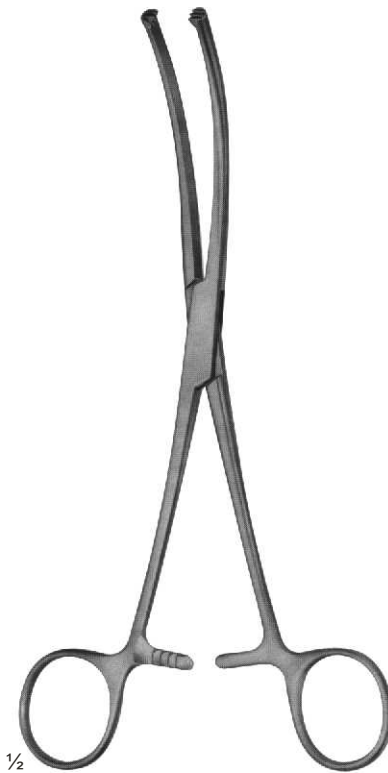


**22-194**  
LISTON-KEY-HORSLEY  
(TUDOR EDWARDS)  
255 mm

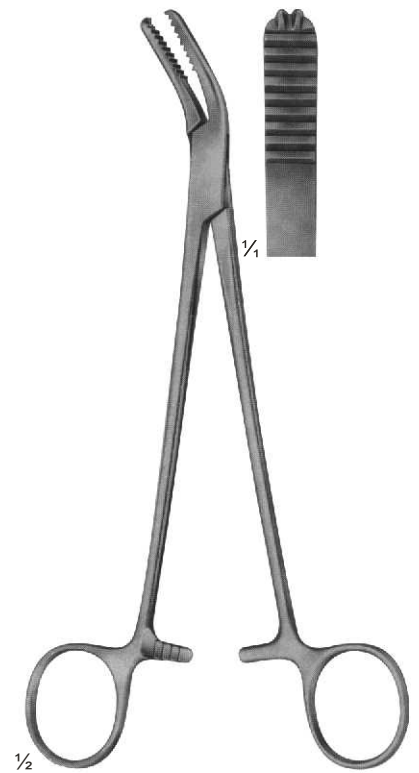
# Meniscus-and Cartilage Forceps



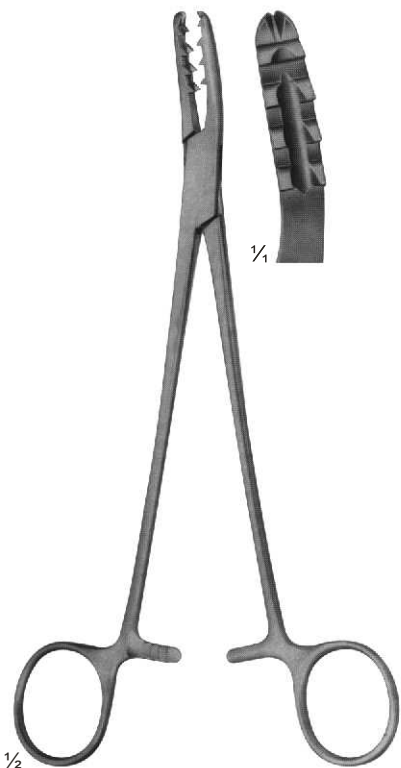
**22-195**  
BIRCHER  
200 mm



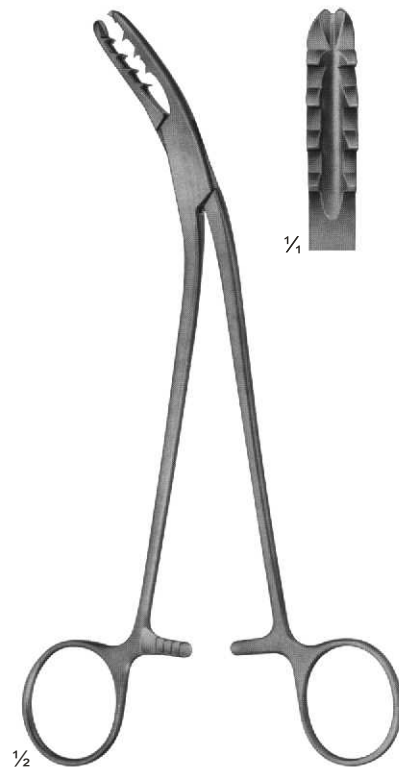
**22-196**  
BIRCHER  
200 mm



**22-197**  
WELLER  
200 mm



**22-198**  
BIRCHER-GANSKE  
200 mm

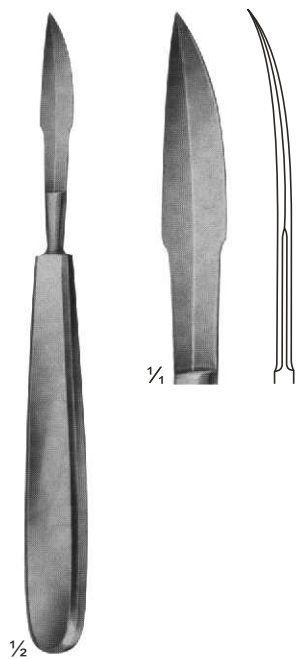


**22-199**  
BIRCHER-GANSKE  
200 mm

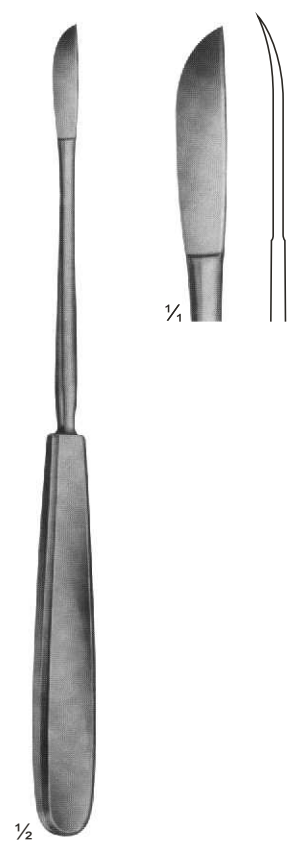


**22-200**  
MARTIN  
205 mm

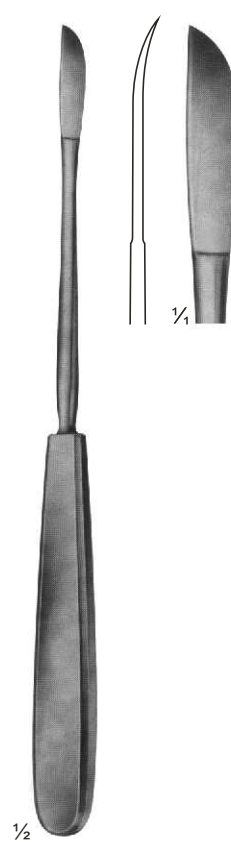
# Meniscus Knives



**22-201**  
170 mm



**22-202**  
NEFF  
215 mm

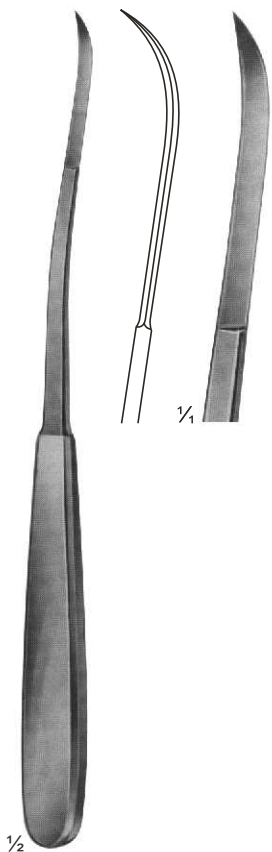


**22-203**  
NEFF  
215 mm

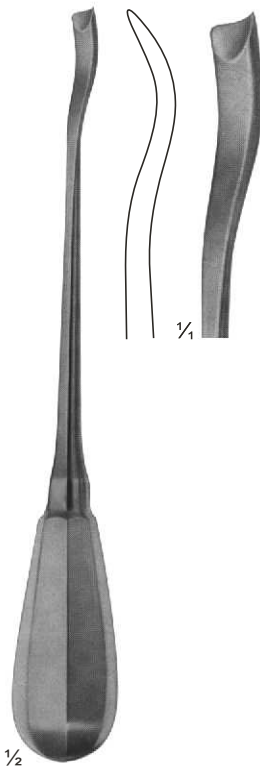


**22-204**  
WAGNER  
215 mm

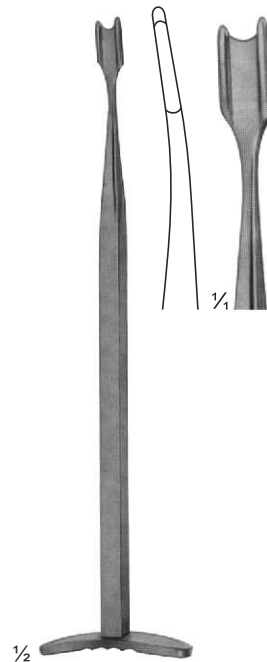
# Meniscus Knives



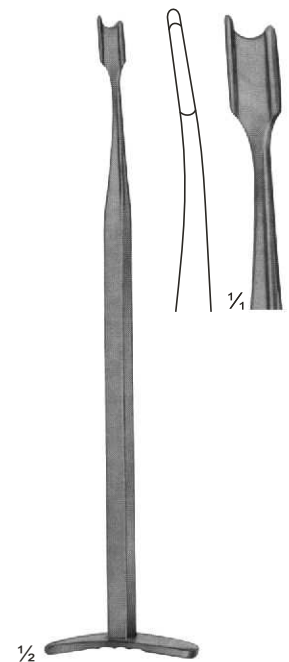
**22-205**  
SALENIUS  
220 mm



**22-206**  
CHNAD.MODELL  
200 mm

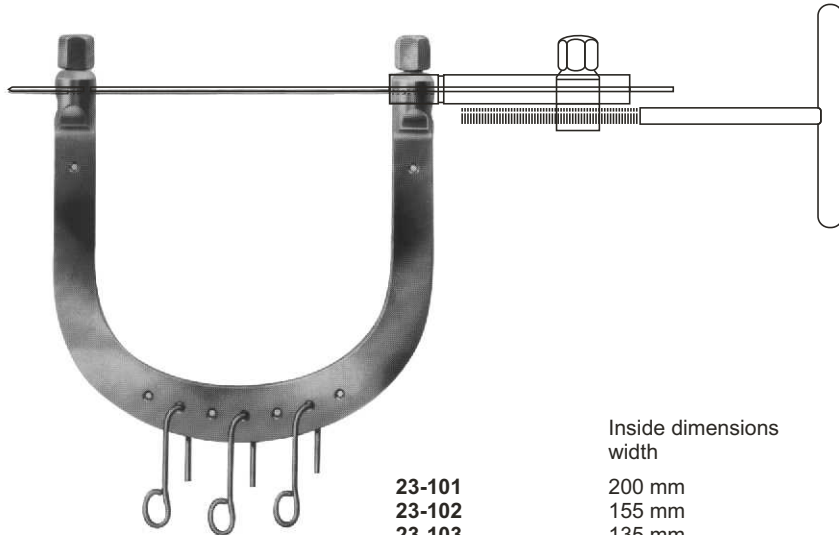


**22-207**  
SMILLIE  
170 mm



**22-208**  
SMILLIE  
170 mm

# Wire Extension



**23-101 - 107**  
KIRSCHNER  
Wire traction bows,  
to be used with  
KIRSCHNER-wires  
up to 2.5 mm diam.,  
With 3 hooks,  
stainless steel

- 23-101
- 23-102
- 23-103
- 23-104
- 23-105
- 23-106
- 23-107

	Inside dimensions width	depth
23-101	200 mm	155 mm
23-102	155 mm	155 mm
23-103	135 mm	130 mm
23-104	120 mm	120 mm
23-105	105 mm	100 mm
23-106	95 mm	110 mm
23-107	95 mm	70 mm



**23-108**  
Wrench, double - ended,  
for wire traction bows



**23-109**  
Wire tightener, with  
clamping jaws



1/3

**23-110**  
Traction hook only,  
large size



1/3

**23-111**  
Traction hook only,  
small size

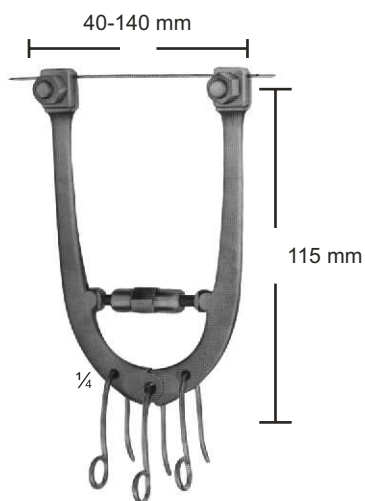


1/3

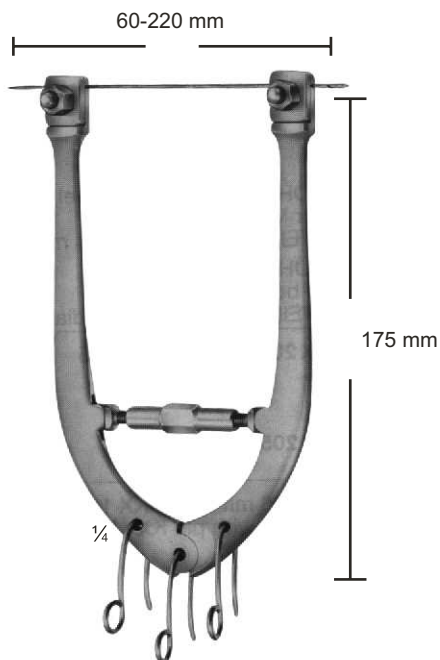
**23-112**  
Fixation clamp, to secure clamping  
jaws of stainless steel



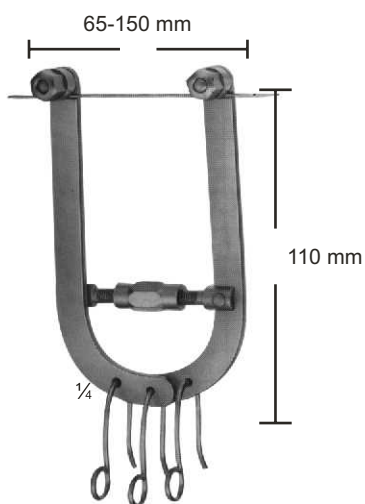
# Wire Extension



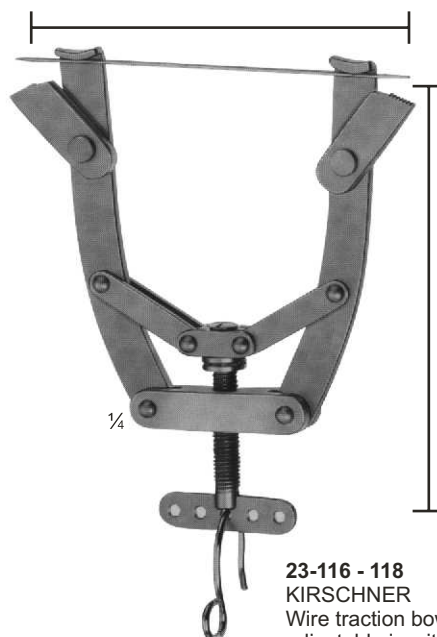
**23-113**  
Wire traction bow, adjustable,  
with 3 hooks, small size



**23-114**  
Wire traction bow, adjustable,  
with 3 hooks, large size



**23-115**  
Wire traction bow, adjustable,  
with 3 hooks, large size for  
elbow and calcaneus, for  
adolescents



**23-116 - 118**  
**KIRSCHNER**  
Wire traction bow, modified  
adjustable in with width, holds wire  
securely, with 1 hook



**23-119**  
Fixation disc, slotted



**23-120**  
idem, aluminum, transparent  
to X-rays

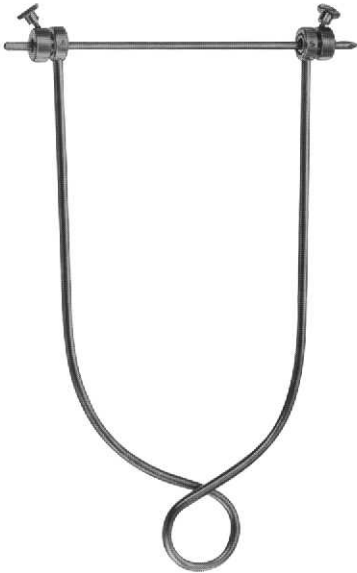


**23-121**  
Fixation disc, slotted



**23-122**  
Screw driver, for above  
fixations discs

# Traction Bows, Distractor

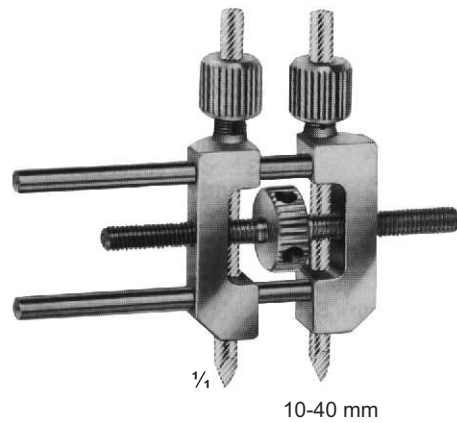


**23-123 - 130**  
Screw driver, for above fixations discs

Steinmann pins, 4 mm daim.	Steinmann pins, 5 mm daim.
<b>23-123</b> with pin	16x9cm Arm
<b>23-124</b> without pin	<b>23-129</b> without
<b>23-125</b> with pin	21x11cm Arm
<b>23-126</b> without pin	<b>23-130</b> without
<b>23-127</b> with pin	21x15cm Arm
<b>23-128</b> without pin	



**23-131**  
**SCHWARZ**  
Traction bow for fingers,  
to be used with KIRSCHNER-  
wire up to 1.6 mm diam.



**23-132**  
Small distractor  
as a repositioning device for  
distraction and compression of small bones,  
for wires with 3.0 mm diam.

# STEINMANN Pins



**23-133 - 147**  
STEINMANN  
triangular shaft ended and trocar point

Length	4,0 mm	5,0 mm
80 mm	<b>23-133</b>	
100 mm	<b>23-134</b>	
120 mm	<b>23-135</b>	
140 mm	<b>23-136</b>	
150 mm	<b>23-137</b>	<b>23-143</b>
160 mm	<b>23-138</b>	
180 mm	<b>23-139</b>	<b>23-144</b>
200 mm	<b>23-140</b>	<b>23-145</b>
210 mm	<b>23-141</b>	
250 mm	<b>23-142</b>	<b>23-146</b>
300 mm		<b>23-147</b>



**23-148**  
Protection cap  
for 4,0 mm STEINMANN Pins



**23-149**  
Protection cap  
for 5,0 mm STEINMANN Pins

# Drilling Chucks



**23-150**  
REILL  
Drilling chuck, cannulated, for shanks from 2.0 - 2.5 mm diam 115 mm



**23-151**  
Drilling chuck, cannulated, for shanks from 0.8 - 2.0 mm diam 150 mm



**23-152**  
Drilling chuck, cannulated, for shanks up to 4.5 mm diam with key 140 mm



**23-153**  
LOUTE  
Wire tightener, improved pattern, with movable tip, for wires up to 1.0 mm diam. 220 mm



**23-154**  
Drilling chuck, cannulated, for shanks up to 6.35 mm diam., To be tightened by hand 100 mm

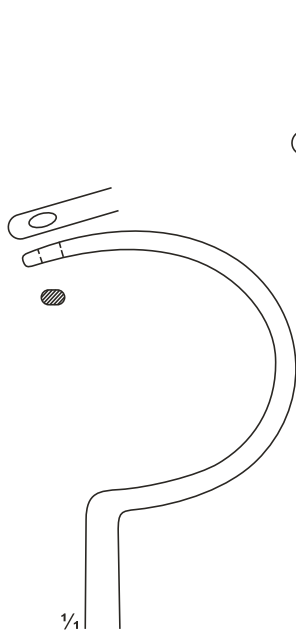


**23-155**  
Drilling chuck, cannulated, for shanks up to 4.5 mm diam., And for triangular shaft width across flats 4.7 mm

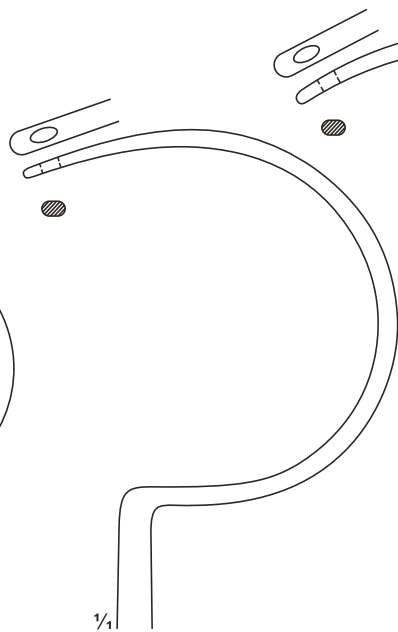


**23-156**  
Drilling chuck, cannulated, for shanks up to 6.35 mm diam., With key 160 mm

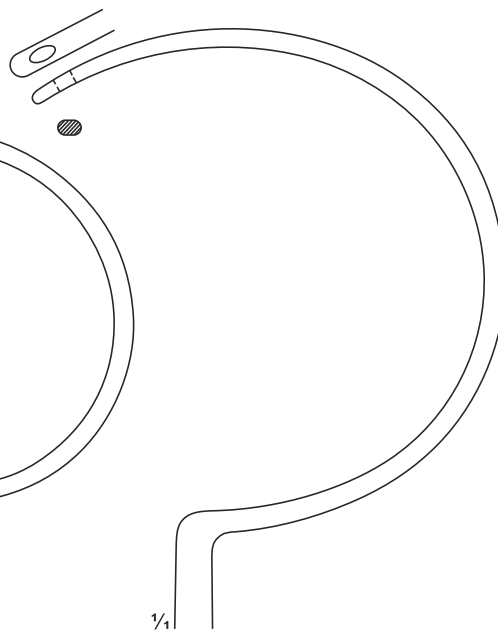
# Cerclage Instruments



**23-157**  
275 mm



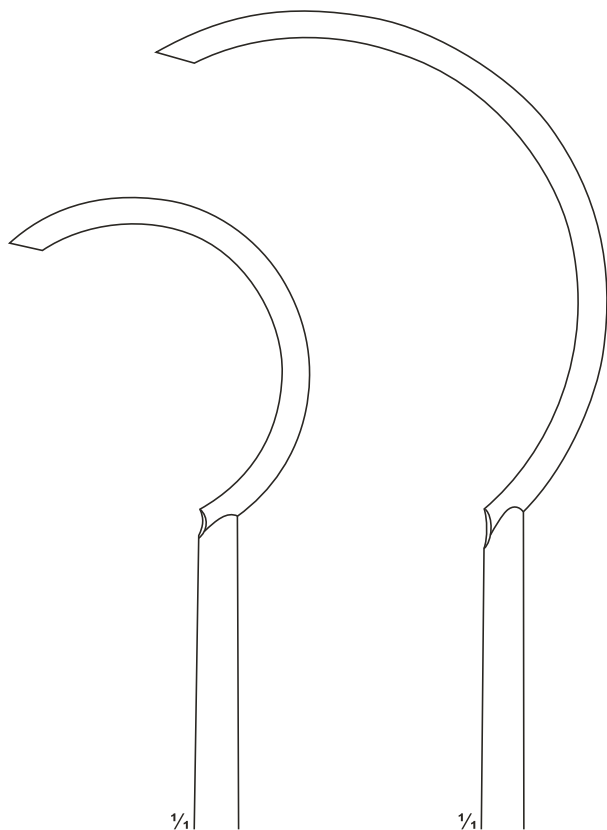
**23-158**  
285 mm



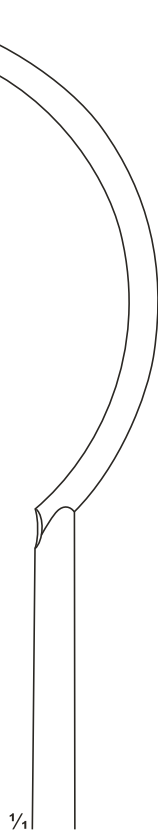
**23-159**  
305 mm



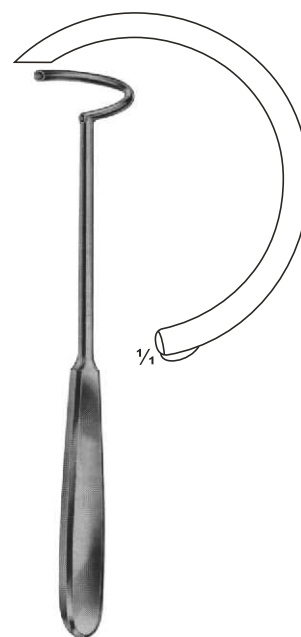
**23-157 - 159**  
DEMEL  
Wire guides



**23-160**  
240 mm

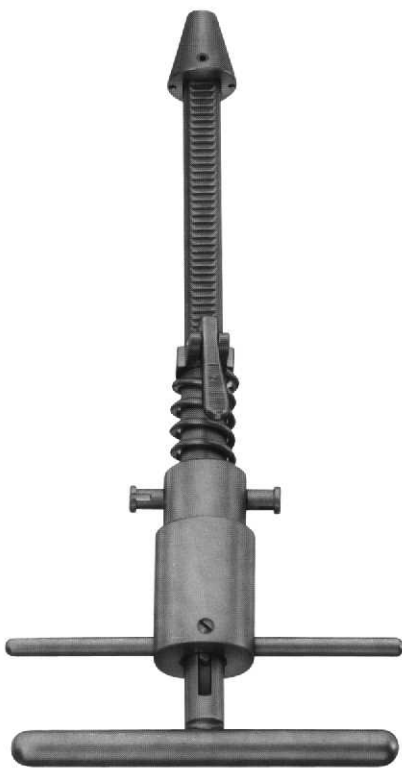


**23-161**  
270 mm



**23-162**  
225 mm

## JORDAN instruments for subcutaneous Tibia Cerclage



**23-163**  
JORDAN  
Wire tighener



1/2

**23-164**  
JORDAN  
Wire twister  
170 mm



1/2

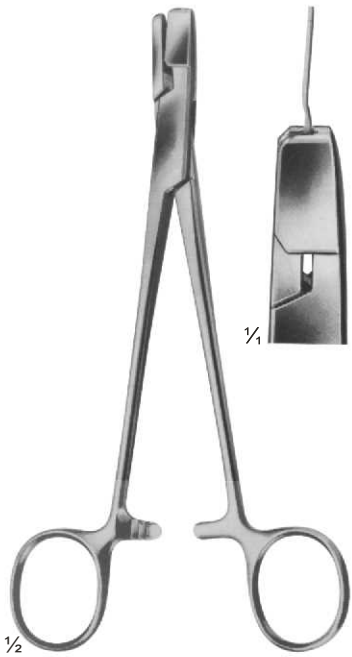
**23-165**  
JORDAN  
Wire catcher  
180 mm



1/2

**23-166**  
JORDAN  
Probe, cannulated  
170 mm

# Wire Holding forceps, Wire Tightening Pliers, Flat-nosed Pliers



**23-167**  
DUROGRIP  
Holding forceps for cerclage wire, with lateral jaws to avoid wire slipping off  
170 mm



**23-168**  
DUROGRIP  
Wire, tightening pliers, Ligature pliers  
150 mm



**23-169**  
DUROGRIP  
Wire, tightening pliers, Ligature pliers  
150 mm



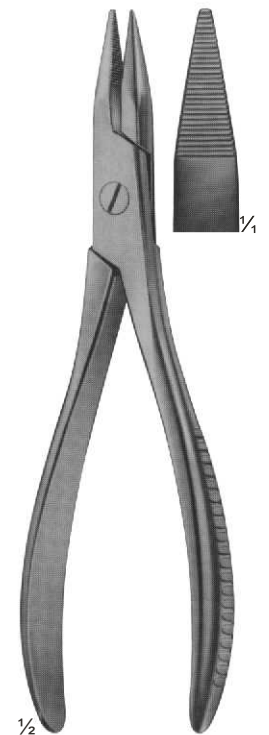
**23-170**  
with serrated jaws  
140 mm



**23-171**  
one jaws smooth, one jaws serrated  
140 mm



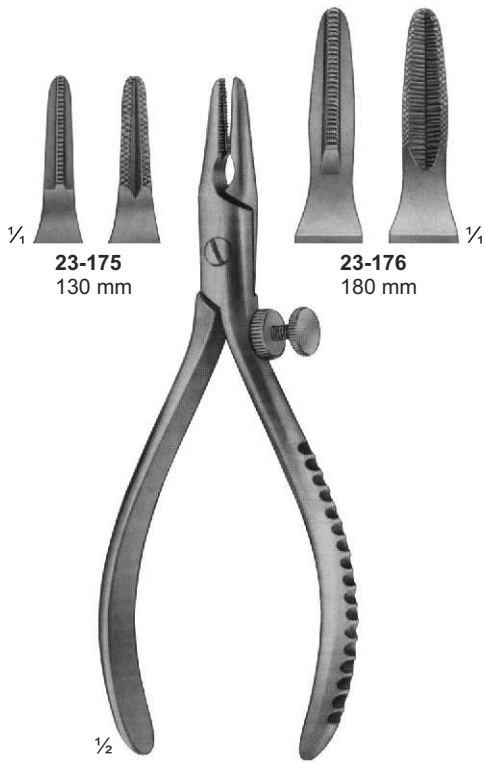
**23-172**  
with serrated jaws  
**23-173**  
with longitudinal and transversal grooves  
170 mm



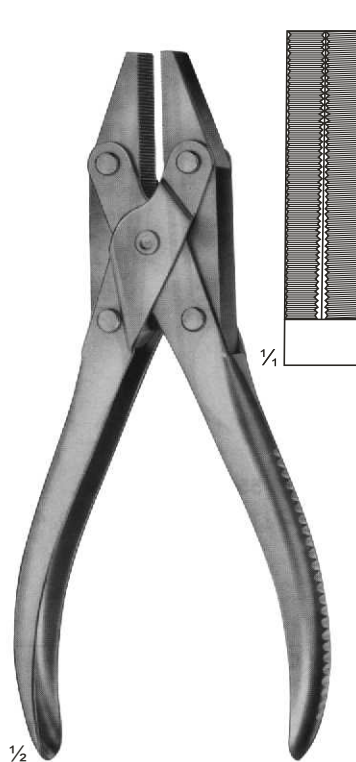
**23-174**  
190 mm



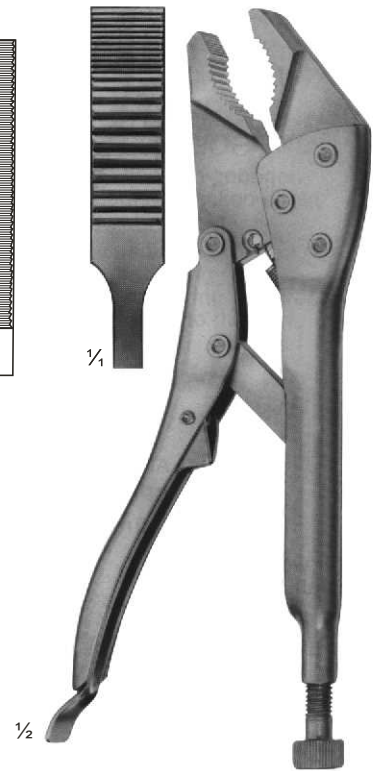
# Wire Holding forceps, Flat-nosed Pliers, Pliers for bending and cutting wires



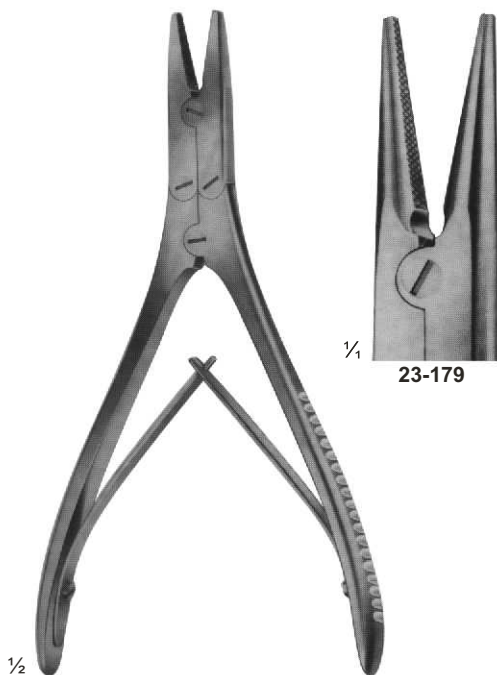
**23-175 - 176**  
Extraction pliers  
for boring wires



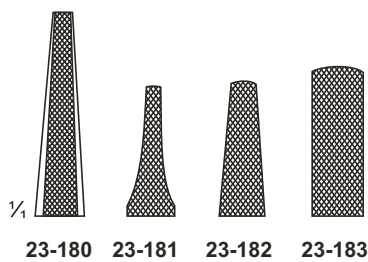
**23-177**  
Flat-nosed pliers,  
parallel  
185 mm



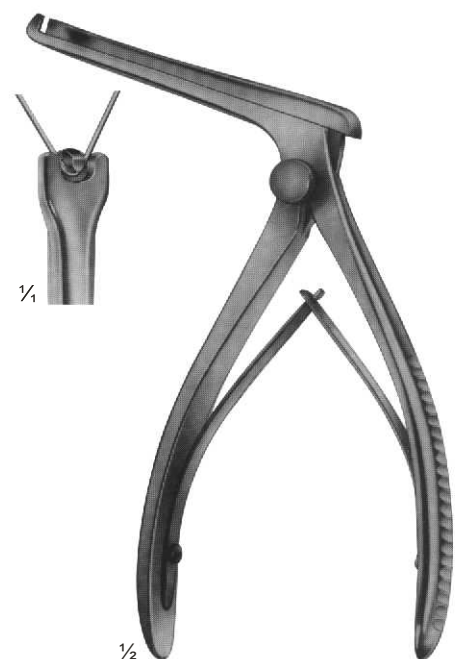
**23-178**  
Vise grip  
200 mm



**23-179 - 183**  
Round pliers  
180 mm

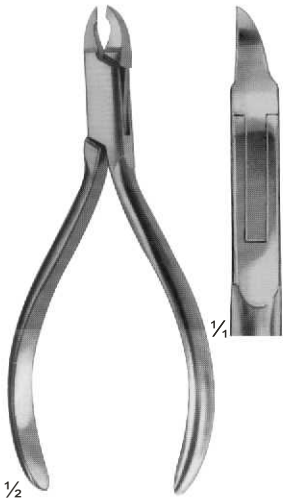


**23-180**  
**23-181** 145 mm  
**23-182** 180 mm  
**23-183** 180 mm  
Extraction pliers for wires



**23-184**  
Bending pliers  
for wires up to  
1.8 mm diam.

# Wire Cutters and wire Cutting Scissors

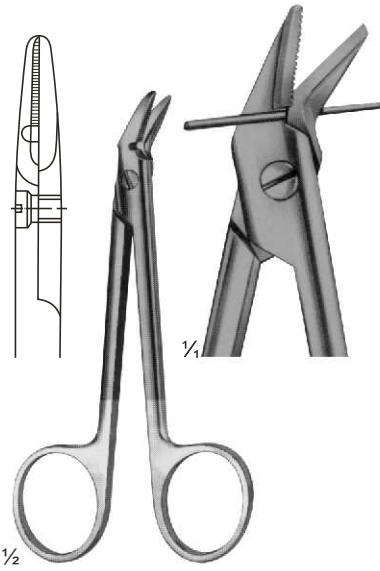


**23-185**  
ANGLE  
130 mm

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

**23-186**  
DUROTIP  
ANGLE  
130 mm

0,5 mm 0,6 mm  
0,3 mm 0,4 mm

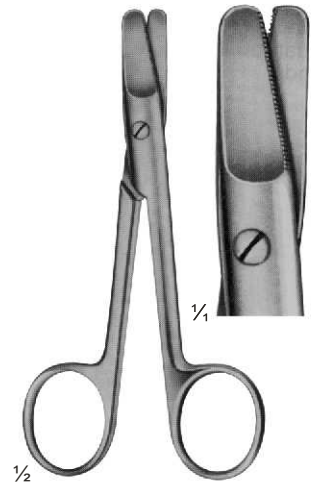


**23-187**  
120 mm

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

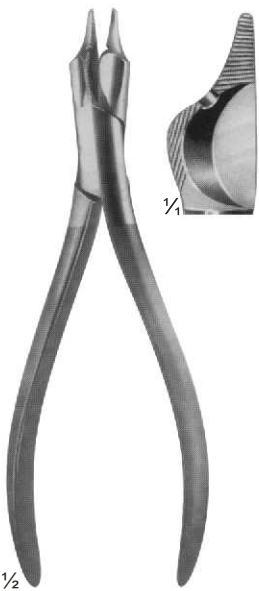
**23-188**  
DUROTIP  
120 mm

1,2 mm 1,2 mm  
0,8 mm 0,8 mm



**23-189**  
HARVEY  
125 mm

0,4 mm  
0,3 mm



**23-190**  
150 mm

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

1,5 mm  
1,0 mm



**23-191**  
160 mm

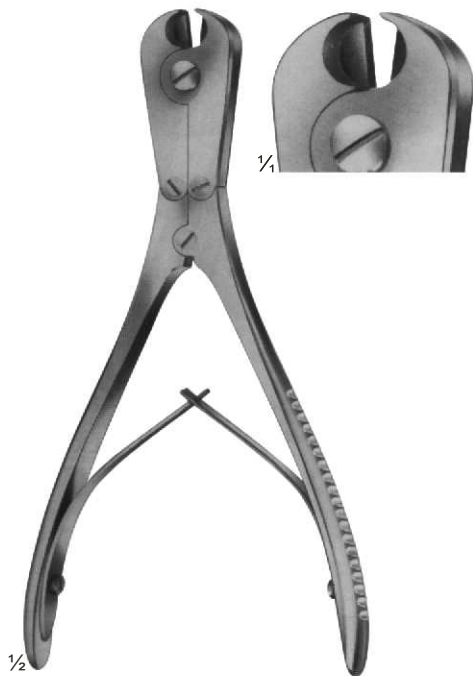
1,5 mm  
1,2 mm



**23-192**  
140 mm

1,5 mm  
1,0 mm

# Wire Cutting Pliers, Lateral Cutting Action



**23-193**  
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



**23-194**  
REILL  
175 mm

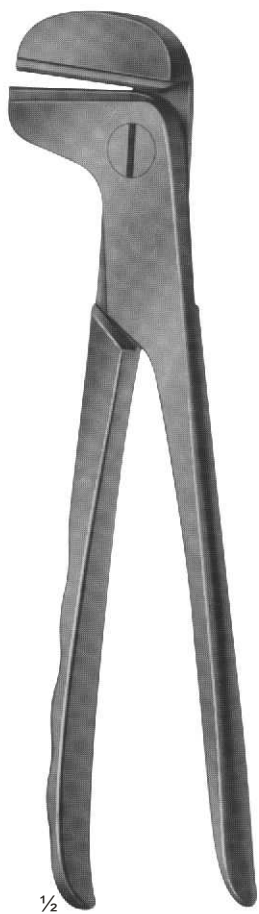
for soft wire  
up to diam. 2,0 mm  
For hard wire 1,6 mm  
up to diam  
specially hardened  
cutting edges, for  
cutting off wires close  
to the bone



**23-195**  
235 mm

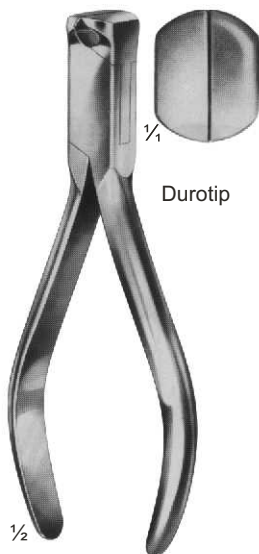
for soft wire  
up to diam. 3,0 mm  
For hard wire 2,2 mm  
up to diam

# Wire Cutting Pliers, Lateral and Front Cutting Action



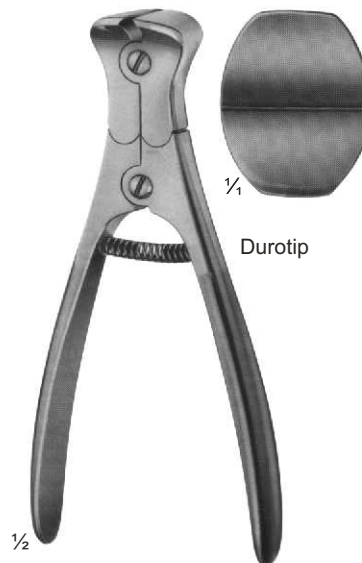
**23-196**  
240 mm

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



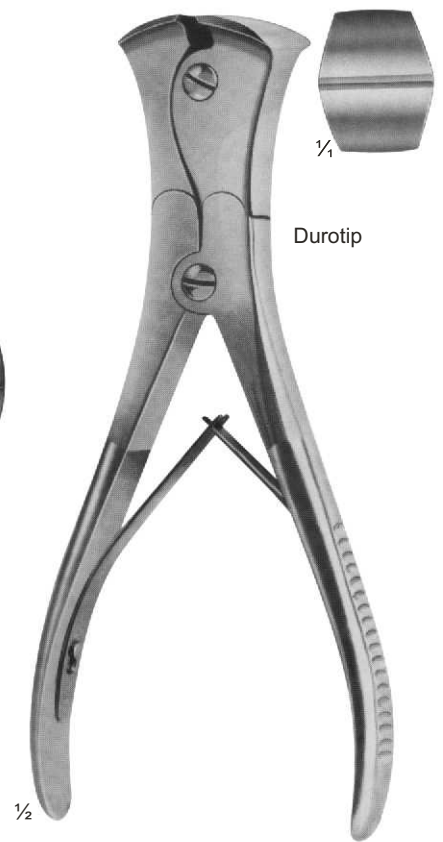
**23-197**  
140 mm

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



**23-198**  
145 mm

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



**23-199**  
220 mm

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

## Wire Cutting Pliers



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

1/2

**23-200**  
320 mm

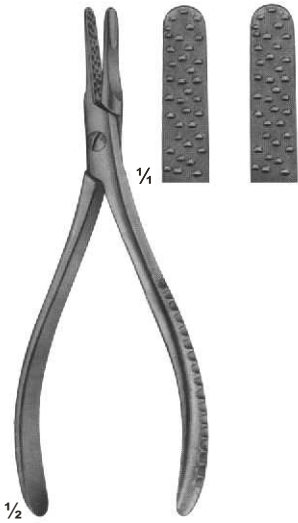
for soft wire  
up to diam. 3,0 mm  
For hard wire  
up to diam 3,0 mm



Durotip

**23-201**  
Cutter for cutting off  
KIRSCHNER wires,  
Tibia head screws,  
bolts, pins, up to 6 mm diam.  
470 mm

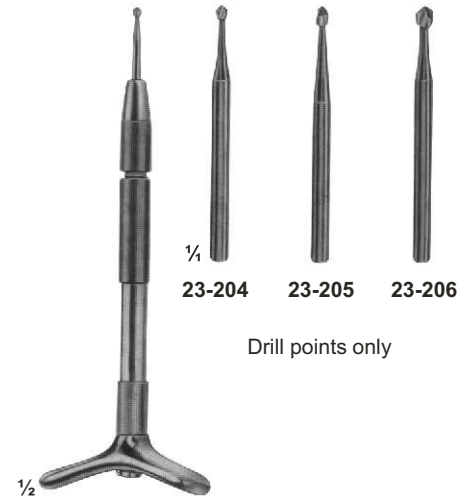
# Finger Nail Instruments



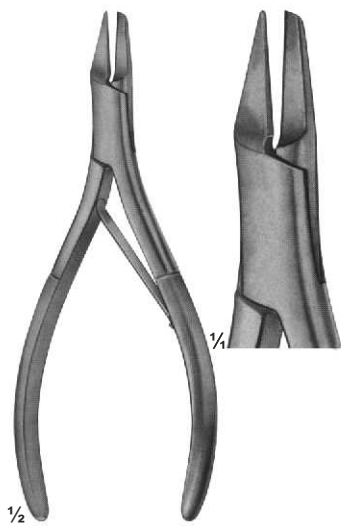
**23-202**  
Nail extracting  
forceps  
135 mm



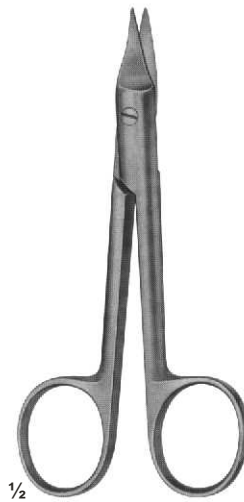
**23-203**  
Nail extracting  
forceps  
145 mm



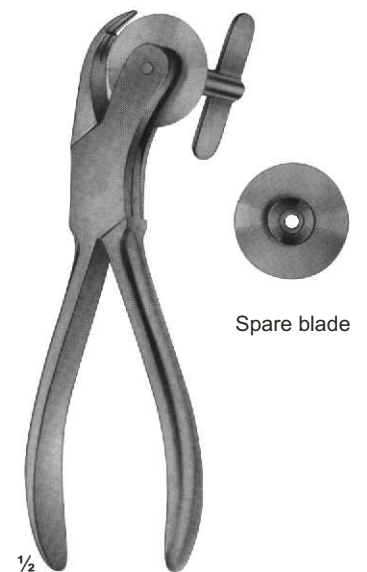
**23-204 - 206**  
Finger nail drill  
with 3 points



**23-207**  
Nail splitting  
forceps  
135 mm



**23-208**  
SYSTRUNK  
Scissors, for splitting  
finger nails  
130 mm



**23-209**  
Finger ring saw  
150 mm



# Plaster Instruments



with ebony handle

24-101  
HOPKINS  
200 mm



24-102  
ESMARCH  
180 mm



24-103  
ENGEL  
160 mm



1/2

24-104 - 112

- |        |       |        |             |
|--------|-------|--------|-------------|
| 24-104 | black | 24-108 | yellow      |
| 24-105 | red   | 24-109 | white       |
| 24-106 | blue  | 24-110 | orange      |
| 24-107 | green | 24-111 | lavender    |
|        |       | 24-112 | bright pink |



1/2

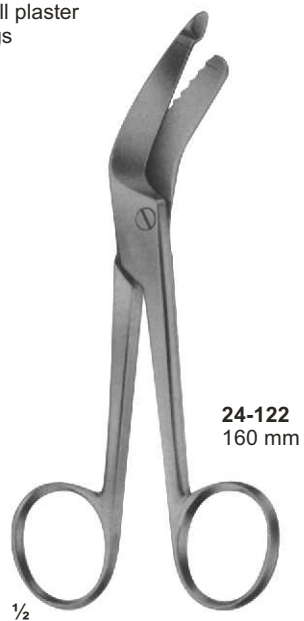
24-113 - 121

- |        |       |        |             |
|--------|-------|--------|-------------|
| 24-113 | black | 24-117 | yellow      |
| 24-114 | red   | 24-118 | white       |
| 24-115 | blue  | 24-119 | orange      |
| 24-116 | green | 24-120 | lavender    |
|        |       | 24-121 | bright pink |



# Plaster Scissors

For small plaster dressings



# Plaster Shears



**24-129**  
STILLE-AESULAP  
260 mm



**24-130**  
STILLE-AESULAP  
360 mm

# STILLE Plaster Shears

Blade with reinforced back



**24-131**  
STILLE  
230 mm

**24-132**  
Spare blade



**24-133**  
STILLE  
370 mm

**24-134**  
Spare blade



**24-135**  
STILLE  
240 mm

**24-136**  
Spare blade

# Plaster Spreader, Plaster Breakers



**24-137**  
HENING  
270 mm



**24-138**  
MOD.USA  
230 mm



**24-139**  
290 mm

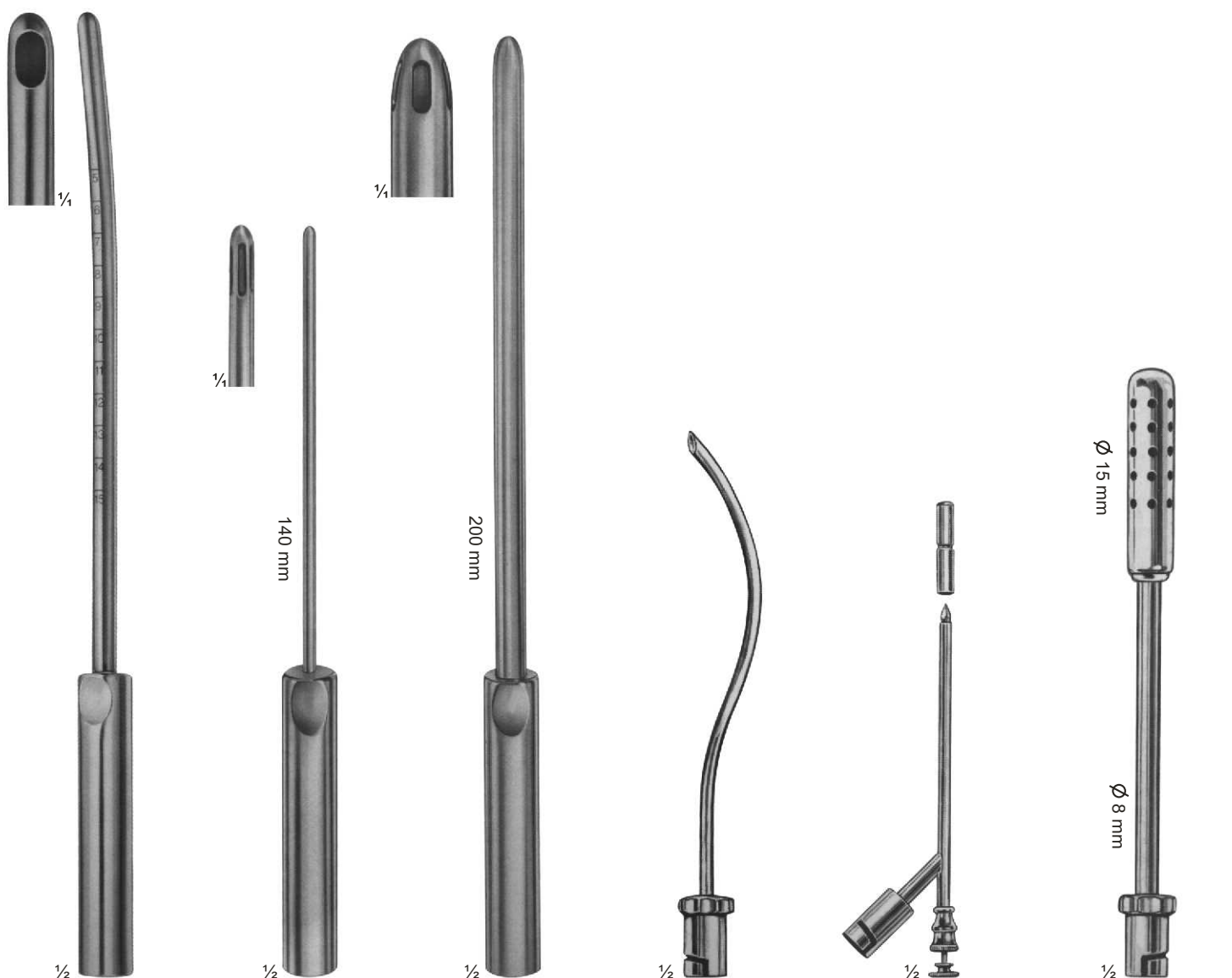


with removable jaws



**24-140 - 141**  
WOLFF  
**24-140** 180 mm  
**24-141** 240 mm

# Vacuum Curettes for Aspiration Lipectomy, Suction Instruments



**25-101 - 106**  
BIEMER

**25-101** ø 4 mm  
**25-102** ø 6 mm  
**25-103** ø 8 mm  
**25-104** ø 10 mm  
**25-105** ø 12 mm  
**25-106** ø 14 mm

Curettes for aspiration lipectomy, graduated, slightly curved

**25-107 - 108**  
BIEMER

**25-107** ø 4 mm  
**25-108** ø 6 mm  
Curettes for aspiration lipectomy, with three apertures, slightly curved malleable

**25-109 - 111**  
BIEMER

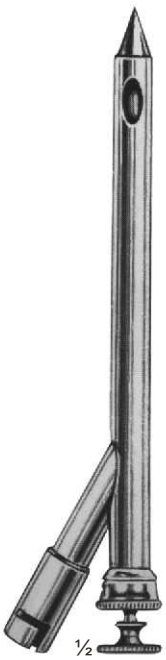
**25-109** ø 8 mm  
**25-110** ø 10 mm  
**25-111** ø 12 mm  
Curettes for aspiration lipectomy, with three apertures, slightly curved malleable

**25-112**  
For aspirating fluid from the excretory ducts of large glands and for keeping the operating area clear 170 mm

**25-113**  
Trocar  
For puncturing 150 mm

**25-114**  
For clearing large quantities of fluid 190 mm

# Suction Instruments



**25-115**  
Trocar  
For puncturing  
170 mm



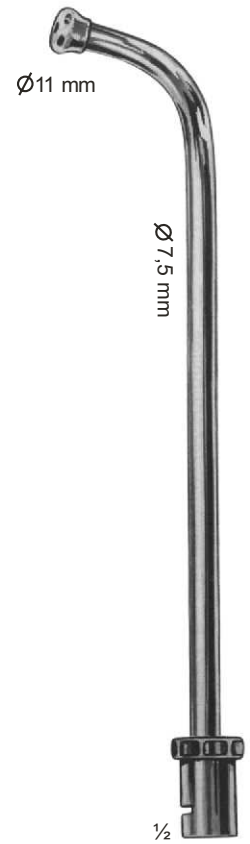
**25-116**  
Hollow needle,  
sharp  
150 mm



**25-117**  
double curved  
For general  
surgery  
230 mm

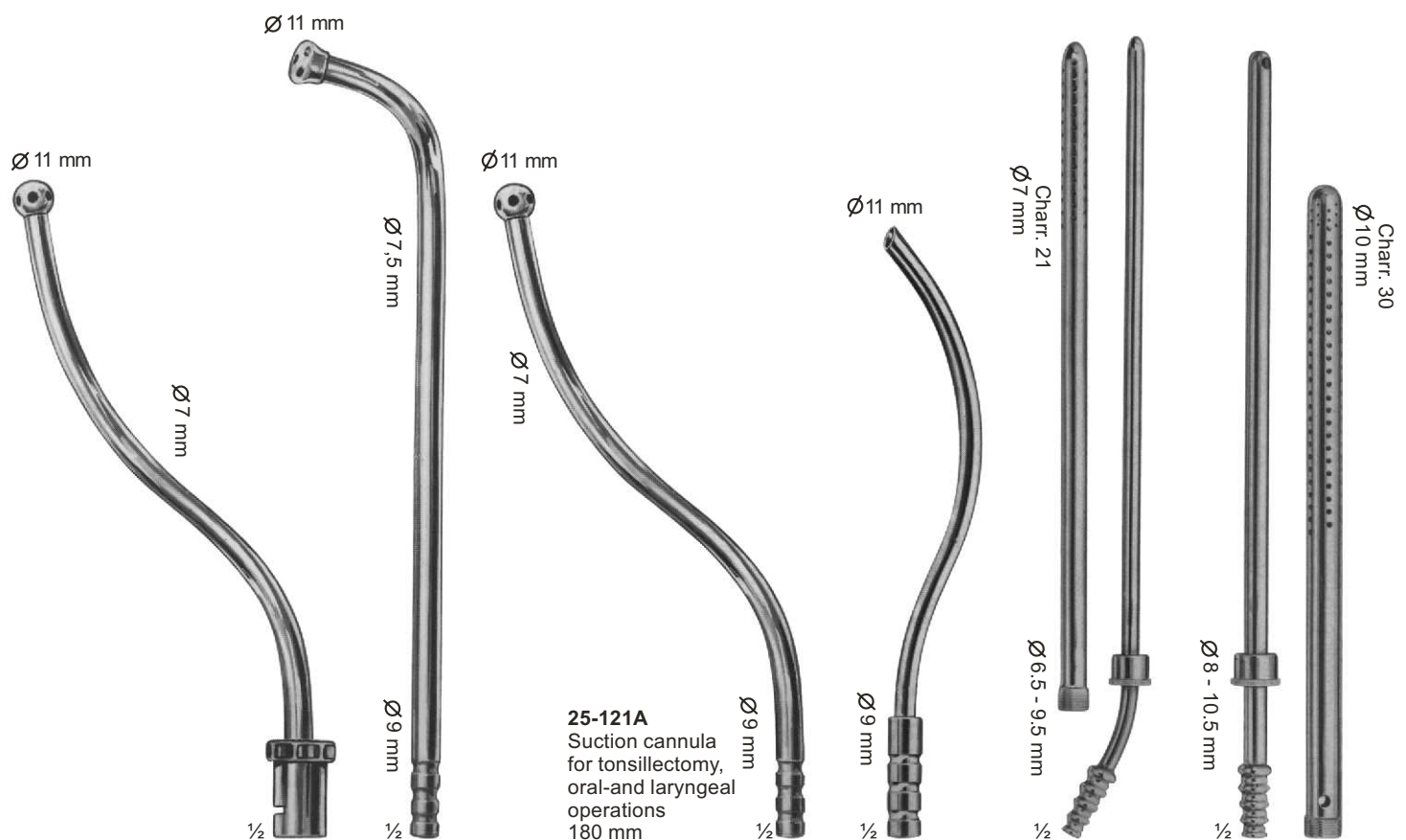


**25-118**  
For tonsillectomy,  
oral and laryngeal  
operations  
190 mm



**25-119**  
For tonsillectomy,  
oral and laryngeal  
operations  
220 mm

# Suction Instruments



**25-120**  
For tonsillectomy,  
oral-and laryngeal  
operations  
180 mm

**25-121**  
Suction cannula  
for tonsillectomy,  
oral-and laryngeal  
operations  
220 mm

**25-121A**  
Suction cannula  
for tonsillectomy,  
oral-and laryngeal  
operations  
180 mm

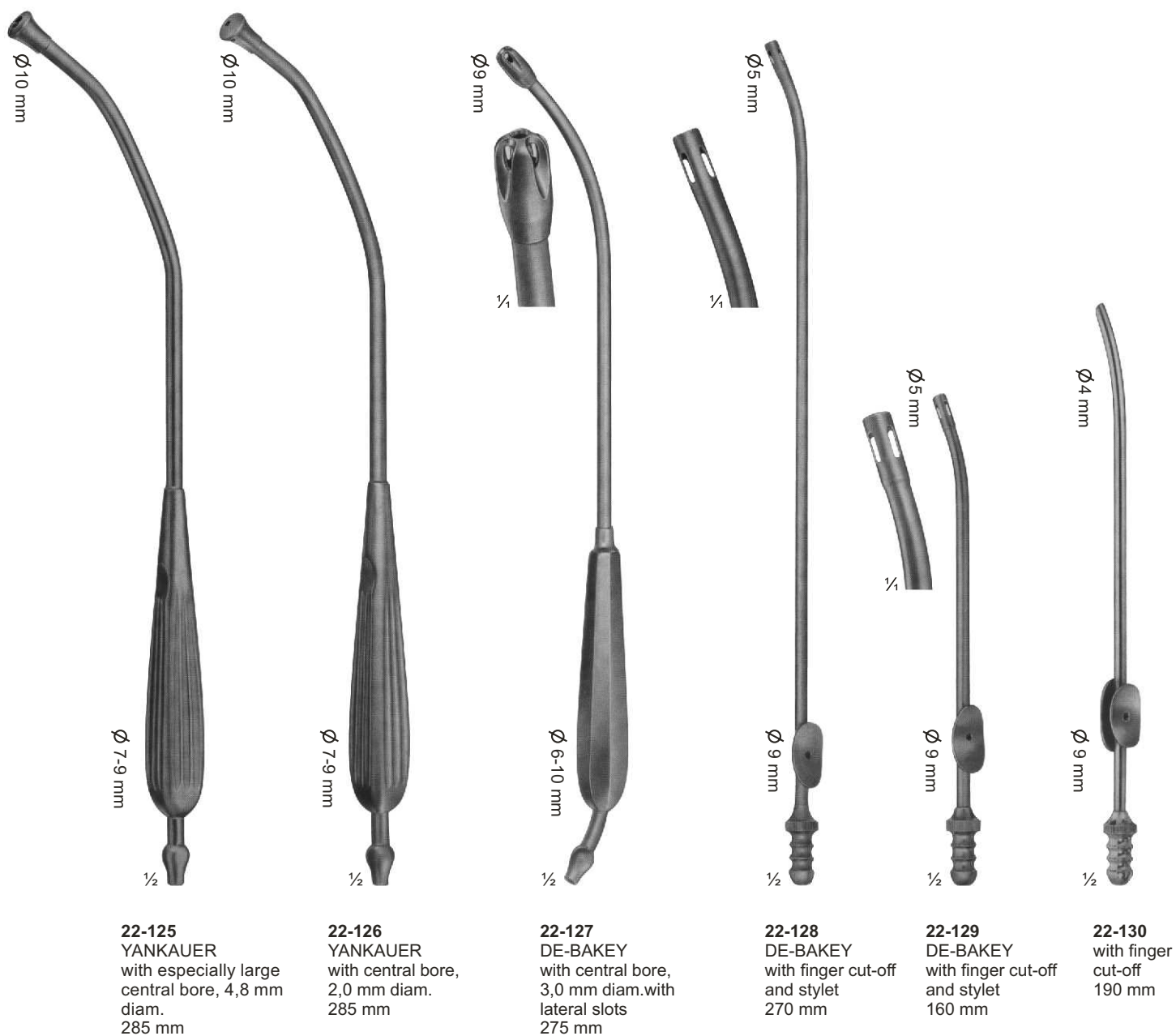
**25-122**  
S-shaped blunt cannula  
for aspirating fluid from  
the excretory ducts of  
large glands and for  
keeping the operations  
area clear  
170 mm

**25-123**  
POOL  
Suction cannula,  
with outer tube  
to be screwed of  
225 mm

**25-124**  
POOL  
Suction cannula,  
with outer tube  
to be screwed of  
225 mm



# Suction Instruments



# Suction Instruments



- 25-131 Ø 1,5 mm
- 25-132 Ø 2,0 mm
- 25-133 Ø 2,5 mm
- 25-134 Ø 3,0 mm

**25-131 - 134**  
PLESTER  
with finger cut-off and  
stylet, thumb piece  
parallel to curved, with  
LUER hub  
195 mm



- 25-135 Ø 2,0 mm
- 25-136 Ø 2,5 mm
- 25-137 Ø 3,0 mm
- 25-138 Ø 4,0 mm
- 25-139 Ø 5,0 mm

**25-135 - 139**  
FERGUSON  
with finger cut-off and  
stylet, thumb piece  
90° to curved, with  
LUER hub  
180 mm



**25-140** Ø 4,0 mm  
FERGUSON  
insulated, with finger cut-off  
and stylet, thumb piece 90°  
to curved, with LUER hub  
180 mm



**25-141** Ø 3,0 mm  
**25-142** Ø 5,0 mm  
FRAZIER  
insulated, with finger  
cut-off and stylet, thumb  
piece 90° to curved,  
with LUER hub  
180 mm



**25-143**  
5,0 mm diam., Tip  
6,5 mm wide, Nasal  
suction tube, with  
LUER hub  
180 mm



**25-144** Ø 4,5 mm  
**25-145** Ø 5,5 mm  
Nasal suction  
tubes  
175 mm



**25-146**  
GORNEY  
Suction dissector  
180 mm



**25-147** 4 mm wide  
**25-148** 5 mm wide  
Suction raspatories,  
sharp, bayonet-shaped,  
with stylet  
200 mm



**25-149**  
LOPEZ-REINKE  
Tonsil dissector with  
suction device  
235 mm

# Suction Instruments

**25-150**  
WULLSTEIN  
Suction tube, conical, silver, oliver  
with LUER hub  
160 mm

$\varnothing 1,75$  mm

$\varnothing 3$  mm  
 $\frac{1}{2}$   
 $\varnothing 8$  mm

**25-151** 1,5 mm  
**25-152** 2,0 mm  
WULLSTEIN  
Suction tube, cylindrical, silver, with  
stylet with LUER hub  
160 mm

$\frac{1}{2}$   
 $\varnothing 8$  mm

Usable length

YASARGIL usable length diam.			YASARGIL usable length diam.		
<b>25-153</b>	130 mm	1,5 mm	<b>25-161</b>	130 mm	2,5 mm
<b>25-154</b>	150 mm	1,5 mm	<b>25-162</b>	150 mm	2,5 mm
<b>25-155</b>	180 mm	1,5 mm	<b>25-163</b>	180 mm	2,5 mm
<b>25-156</b>	220 mm	1,5 mm	<b>25-164</b>	220 mm	2,5 mm
<b>25-157</b>	130 mm	2,0 mm	<b>25-165</b>	130 mm	3,5 mm
<b>25-158</b>	150 mm	2,0 mm	<b>25-166</b>	150 mm	3,5 mm
<b>25-159</b>	180 mm	2,0 mm	<b>25-167</b>	180 mm	3,5 mm
<b>25-160</b>	220 mm	2,0 mm	<b>25-168</b>	220 mm	3,5 mm
			<b>25-169</b>	180 mm	4,5 mm

$\varnothing 6,5-9$  mm  
with LUER hub

**25-170 - 172**  
LANDOLT  
150 MM  
diam  $\varnothing 3$  mm

**25-170** 8 mm / curved  
**25-171** 11mm / curved  
**25-172** 15mm / curved

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

$\varnothing 3.5$  mm

$\varnothing 2.0$  mm

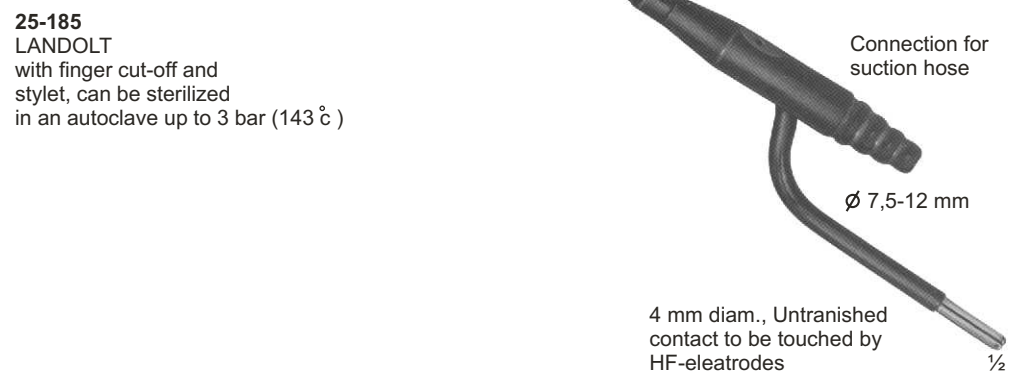
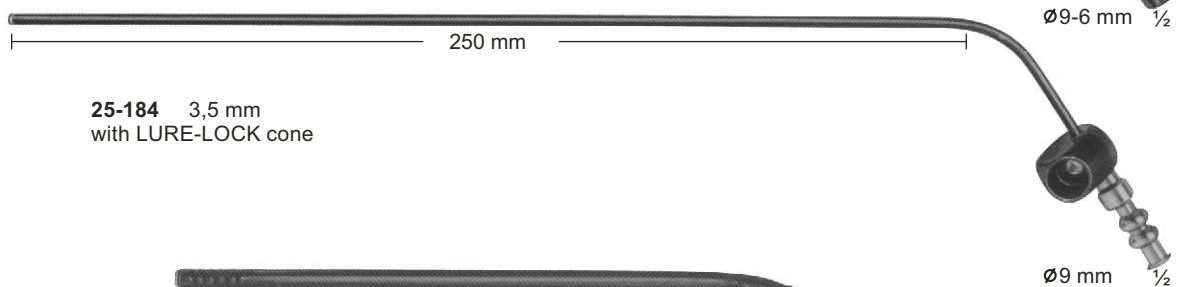
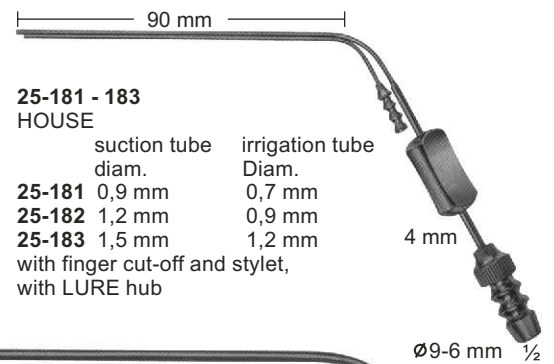
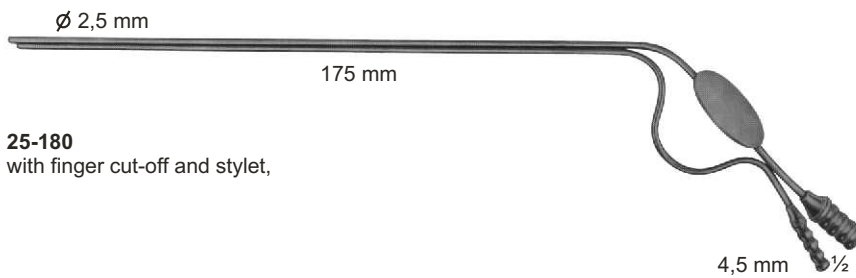
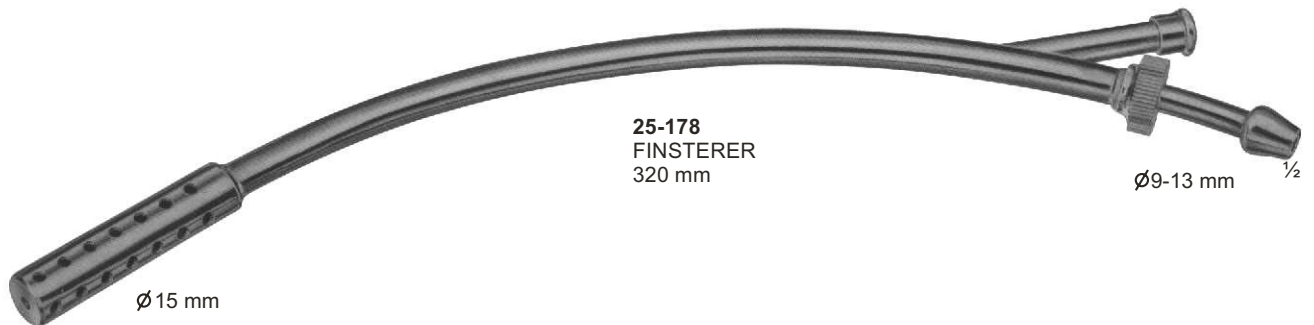
**25-173** 500 mm  
**25-174** 350 mm  
with rubber tip,  
with LUER hub

$\varnothing 9$  mm  
 $\frac{1}{2}$

**25-175** 2,0 mm diam  
**25-176** 2,5 mm diam  
**25-177** 3,0 mm diam  
with finger cut-off,  
thumb piece 90° to  
curved, with LUER hub  
250 mm

$\varnothing 6-9$  mm  
 $\frac{1}{2}$

# Combined Suction and Irrigation Cannulae



# 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



1/2  
**26-107**  
Mayo-Lexer



1/2  
**26-108**  
Mayo-Lexer



1/2  
**26-109**  
Lexer



1/2  
**26-110**  
Lexer



1/2  
**26-111**  
Mayo-Stille



1/2  
**26-112**  
Mayo-Stille

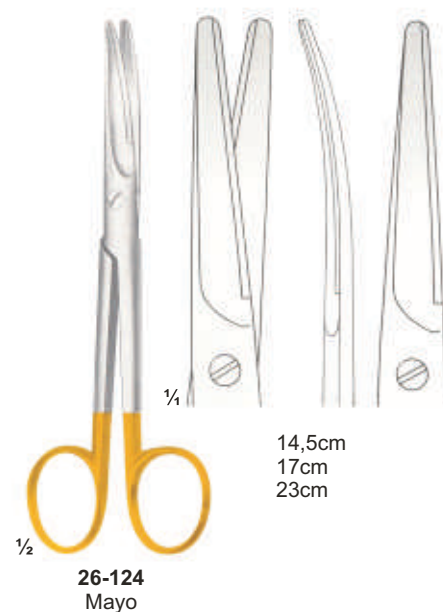


# Scissors with Tungsten Carbide Inserts





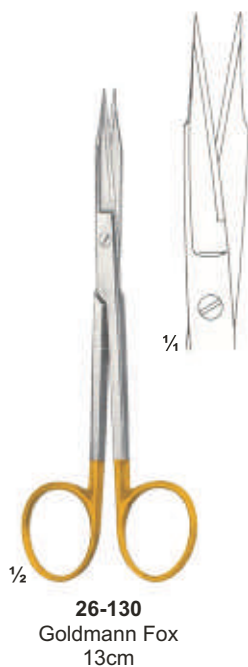
# Scissors with Tungsten Carbide Inserts



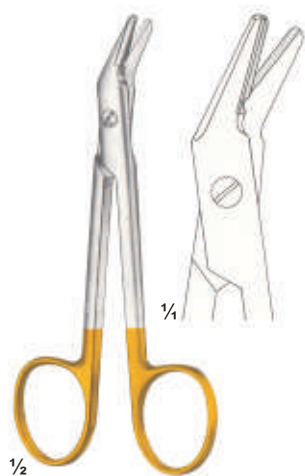
## Scissors with Tungsten Carbide Inserts



# Scissors with Tungsten Carbide Inserts



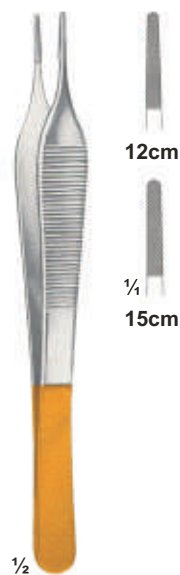
# Scissors & Dissecting Forceps with Tungsten Carbide Inserts



**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

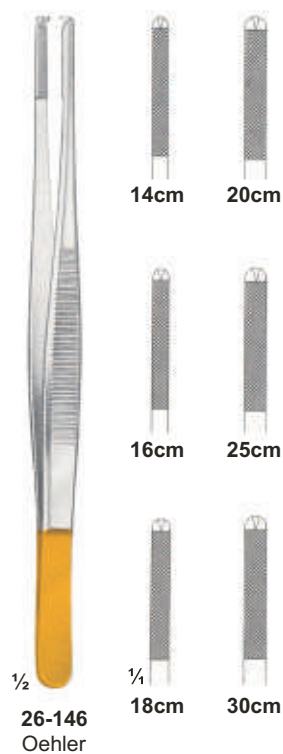
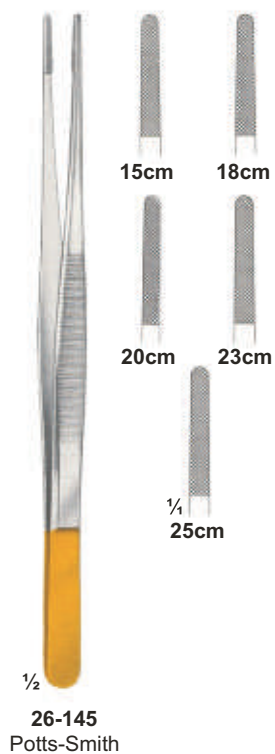


**26-142**  
Dissecting Forceps  
15cm



**26-143**  
Semken  
15cm

# Dissecting Forceps and Needle holders with Tungsten Carbide Inserts





# Needle holders with Tungsten Carbide Inserts



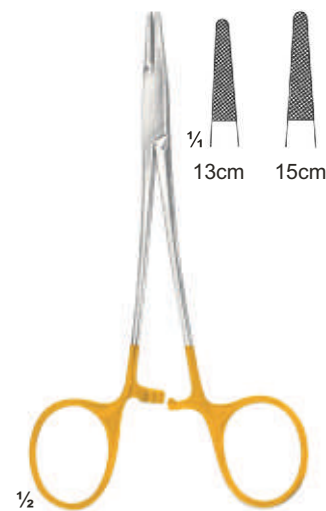
**26-152**  
Arruga  
16cm



**26-153**  
Castroviejo  
13cm



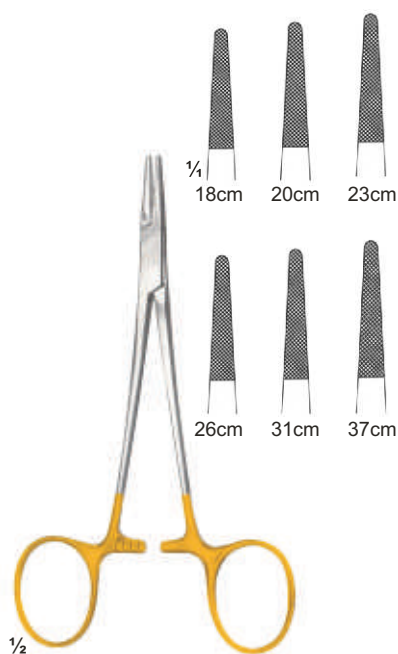
**26-154**  
Hegar  
20cm 24cm



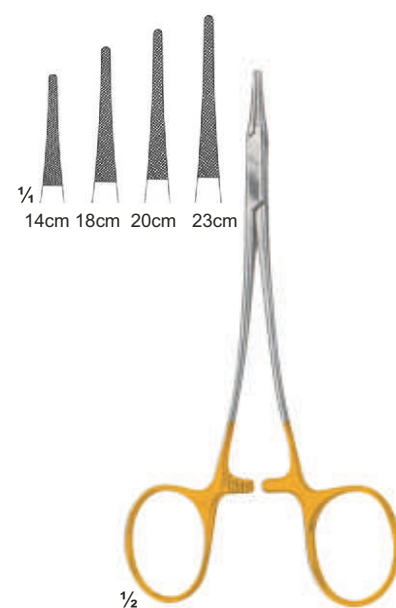
**26-155**  
Halsey  
13cm 15cm



**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

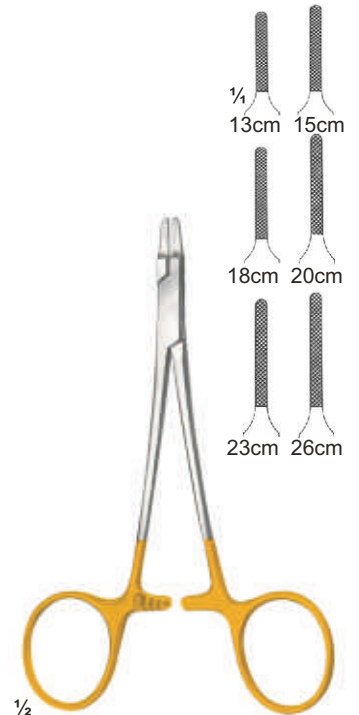
# Needle holders with Tungsten Carbide Inserts



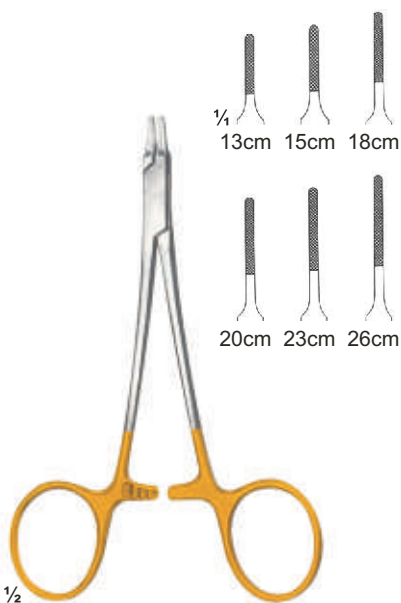
1/2  
**26-159**  
Bozemann-Wertheim  
20cm 24cm 26cm



1/4  
22cm 23cm  
1/2  
**26-160**  
Stratte  
22cm 23cm



1/4  
13cm 15cm  
18cm 20cm  
23cm 26cm  
1/2  
**26-161**  
Ryder  
13cm 15cm 18cm  
20cm 23cm 26cm



1/4  
13cm 15cm 18cm  
20cm 23cm 26cm  
1/2  
**26-162**  
Ryder-Vascular  
13cm 15cm 18cm  
20cm 23cm 26cm



1/4  
15cm 17cm 20cm  
1/2  
**26-163**  
Martin  
15cm 17cm 20cm



1/4  
18cm 20cm 26cm  
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



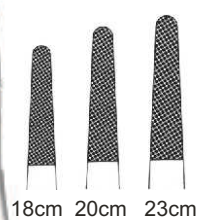
1/2  
**26-176**  
 Luehty-Beck  
 20cm 25cm



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



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



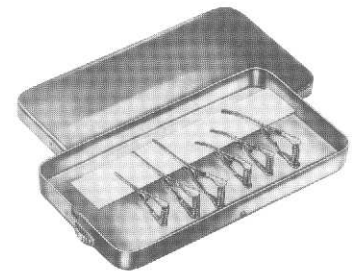
1/2  
**26-179**  
 Langebeck-beck  
 18cm  
 20cm 23cm

# Hospital Wares



**27-101 - 115**  
Schimmelbusch

	Ø x H sizes in mm
<b>27-101</b>	80 x 80
<b>27-102</b>	105 x 120
<b>27-103</b>	140 x 140
<b>27-104</b>	160 x 120
<b>27-105</b>	160 x 150
<b>27-106</b>	190 x 150
<b>27-107</b>	190 x 190
<b>27-108</b>	240 x 160
<b>27-109</b>	240 x 240
<b>27-110</b>	290 x 160
<b>27-111</b>	290 x 240
<b>27-112</b>	340 x 160
<b>27-113</b>	340 x 340
<b>27-114</b>	390 x 190
<b>27-115</b>	390 x 290



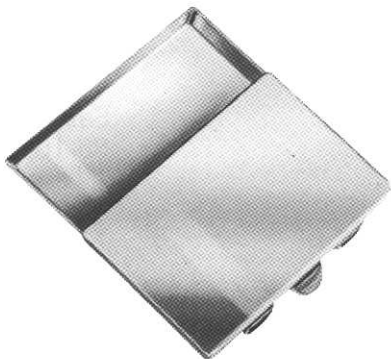
**27-116**  
Box  
120 x 65 x 13mm  
(without Bulldog clamps,  
without silicone tape)



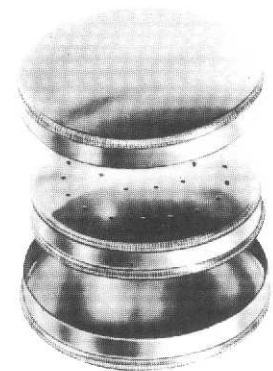
**27-117**  
Box with support  
120 x 65 x 13 mm  
(ohne Bulldogklemmen)



**27-118**  
Box with support for  
needle electrodes,  
without instruments

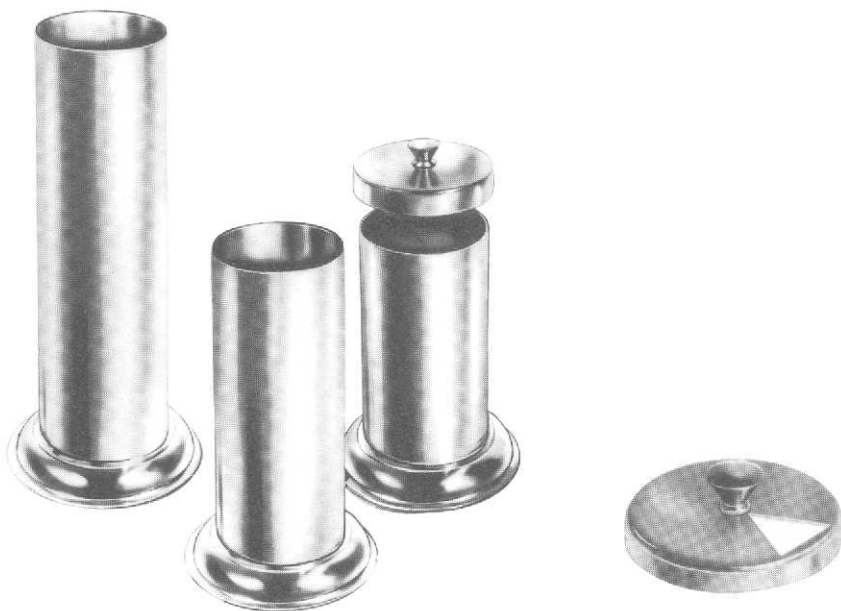


**27-119 - 121**  
50 x 25 x 4,5 mm  
**27-120**  
65 x 42 x 8 mm  
**27-121**  
75 x 25 x 4,5 mm



**27-122**  
Ø 65mm x 15mm

# Hospital Wares



27-123 - 131

	Ø x H
27-123	30 x 90 mm
27-124	50 x 100 mm
27-125	50 x 130 mm
27-126	50 x 175 mm
27-127	75 x 100 mm
27-128	75 x 130 mm
27-129	75 x 175 mm
27-130	100 x 175 mm
27-131	100 x 200 mm



27-132 - 139

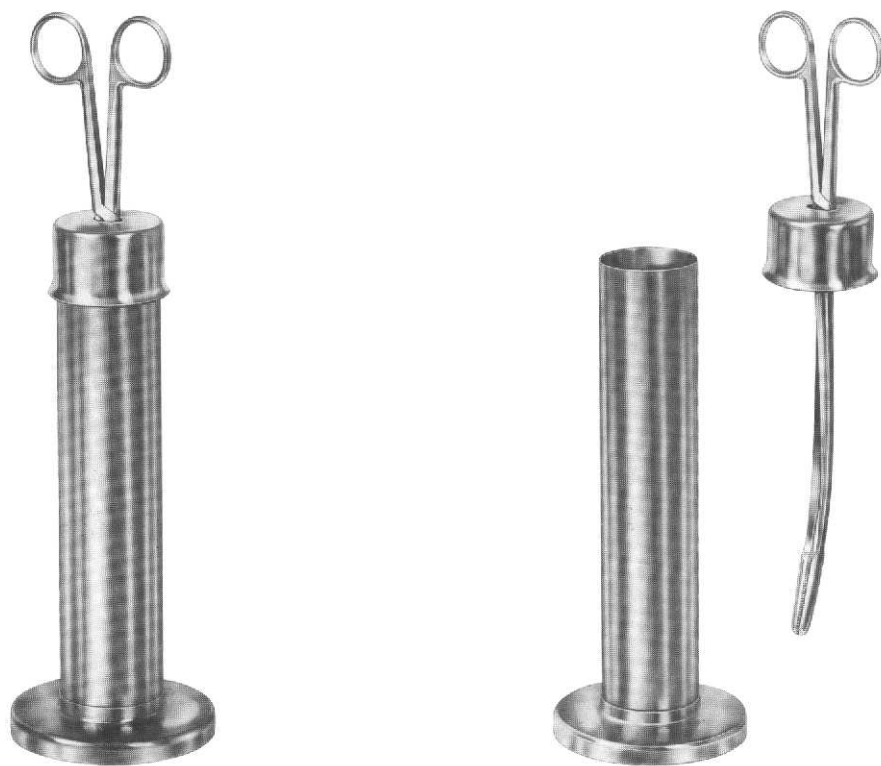
27-132	165 x 85 x 35 mm
27-133	200 x 100 x 35 mm
27-134	200 x 100 x 50 mm
27-135	230 x 130 x 50 mm
27-136	260 x 150 x 50 mm
27-137	270 x 235 x 50 mm
27-138	300 x 200 x 50 mm
27-139	325 x 275 x 50 mm



27-140  
205 x 105 x 35 mm



## Forceps Jars



### 27-141 - 142

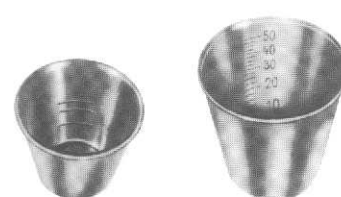
- 27-141** | Martin Sterilizing Forceps  
consisting of:  
1 Sterilizing Forceps, curved, 25 cm,  
without ratchet, with lid for jar  
1 jar with bottom plate (anti-tilt)
- 27-142** | ditto, with 32 cm long Sterilizing Forceps

# Round Metal Boxes and Medicine Cups



**27-143 - 148**

	Ø x H
27-143	75 x 60 mm
27-144	75 x 75 mm
27-145	100 x 60 mm
27-146	100 x 100 mm
27-146A	125 x 80 mm
27-147	125 x 125 mm
27-148	150 x 150 mm

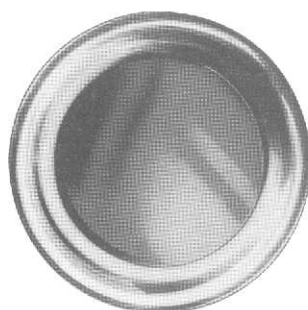


**27-149**  
25 cc

**27-150**  
50 cc



**27-151**  
20 cc  
Medicine Spoon



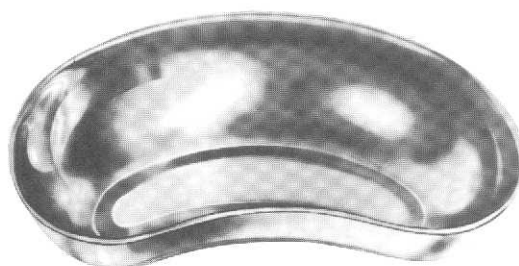
**27-152**  
Ø75 x 12 mm  
Tablet Tray



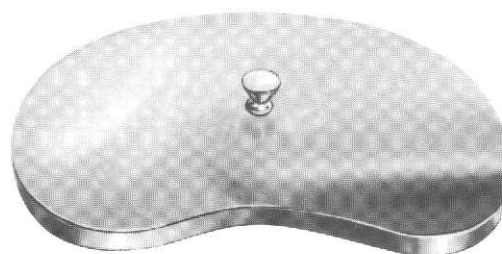
**27-153**  
Ø90 x 90 mm  
Metal Cup



**27-154**  
Ø75 x 80 mm  
Sputum Cup



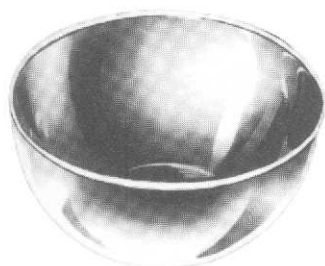
**Kidney Dish**



**27-155 - 157**

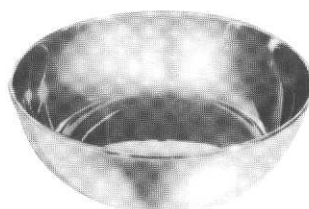
27-155	170 x 100 x 35 mm
27-156	250 x 140 x 40 mm
27-157	275 x 150 x 45 mm

# Hospital Wares



**27-158 - 165**

	Ø x H		
<b>27-158</b>	40 x 19	mm	0.05L
<b>27-159</b>	61 x 30	mm	0.07L
<b>27-160</b>	80 x 40	mm	0.14L
<b>27-161</b>	116 x 50	mm	0.35L
<b>27-162</b>	128 x 55	mm	0.45L
<b>27-163</b>	147 x 65	mm	0.70L
<b>27-164</b>	167 x 75	mm	1.10L
<b>27-165</b>	187 x 85	mm	1.60L



**27-166 - 170**

<b>27-166</b>	116 x 35	mm	0.30L
<b>27-167</b>	128 x 38	mm	0.40L
<b>27-168</b>	147 x 40	mm	0.50L
<b>27-169</b>	157 x 45	mm	0.75L
<b>27-170</b>	187 x 45	mm	1.00L



**27-171**  
Ø 110 x 28 mm 0.15L



**27-172**  
100 cc 0.1L



**27-173 - 176**  
**27-173** 0,25L  
**27-174** 0,50L  
**27-175** 1,00L  
**27-176** 2,00L



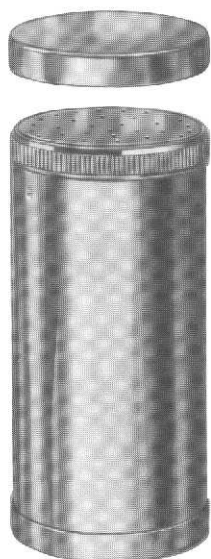
**27-177**  
235 x 190 x 40 mm



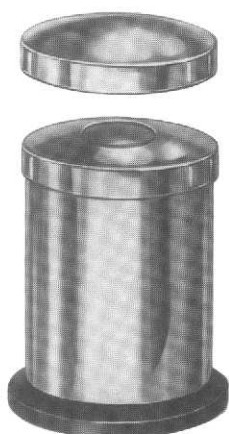
**27-178**  
Ø220 x 70 mm



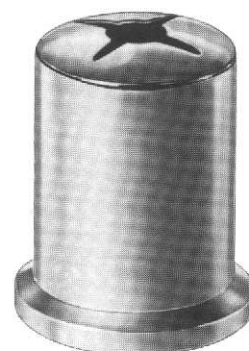
# Hospital Wares



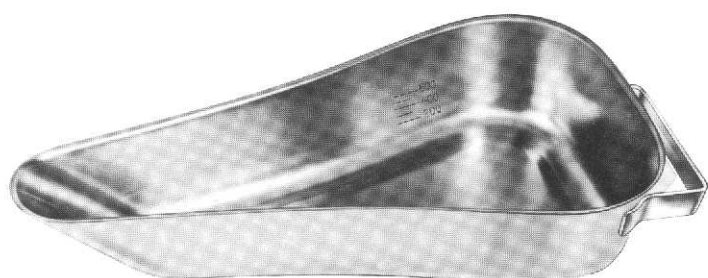
**27-179**  
Ø 50 x 100 mm  
Powder Pot



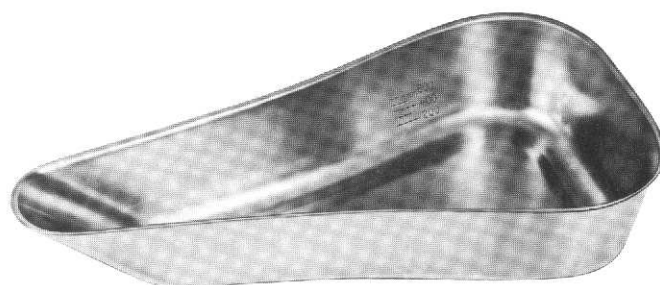
**27-180**  
Ø 50 x 75 mm  
Methot With Lid



**27-181**  
Ø 50 x 75 mm  
Methot Without Lid



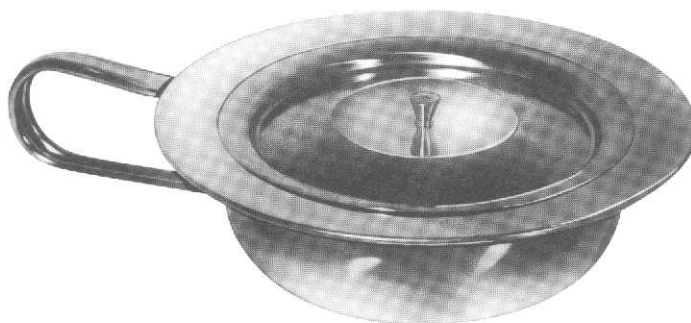
**27-182**



**27-183**



**27-184**



**27-185 - 186**

**27-185** Ø 235 mm  
**27-186** Ø 310 mm

# Needle Cases



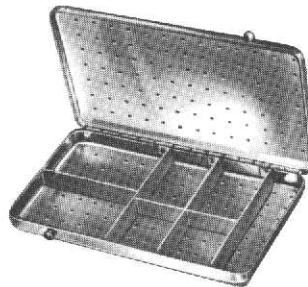
**27-187**  
Sauerbruch  
210 x 125 x 17 mm



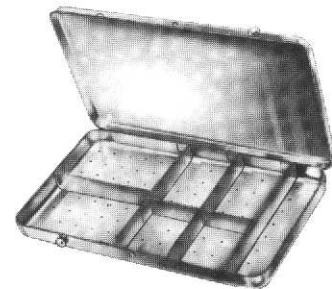
**27-188**  
Sauerbruch  
210 x 125 x 17 mm



**27-189**  
150 x 95 x 13 mm



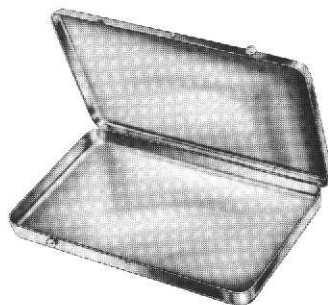
**27-190**  
150 x 95 x 13 mm



**27-191**  
150 x 95 x 13 mm



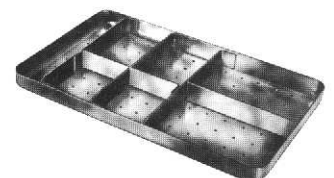
**27-192**  
150 x 95 x 13 mm



**27-193**  
150 x 95 x 13 mm



**27-194**  
150 x 95 x 13 mm



**27-195**  
150 x 95 x 11 mm



## Storing Cases



**27-196**  
Deponette  
245 x 135 x 35mm

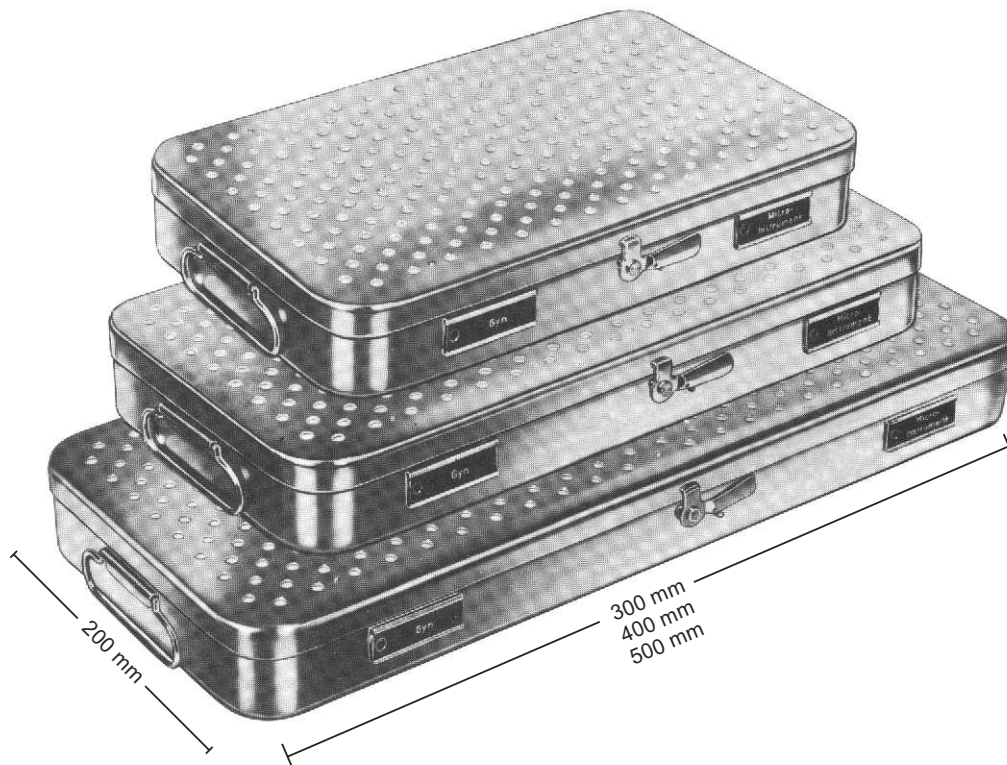


**27-197**  
Deponette  
245 x 135 x 50mm



**27-198**  
Deponette  
245 x 135 x 60mm

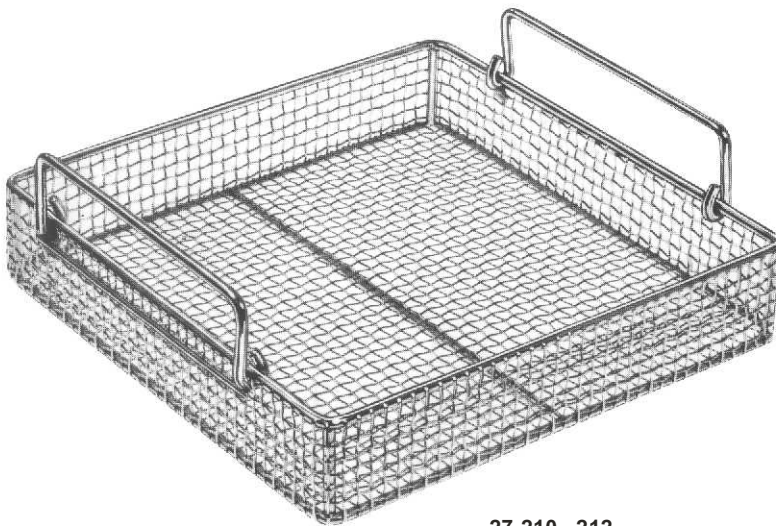
## Storing Cases



27-199 - 209

27-199	230 x 130 x 50	mm
27-200	260 x 150 x 50	mm
27-201	275 x 235 x 50	mm
27-202	300 x 200 x 50	mm
27-203	325 x 275 x 50	mm
27-204	420 x 175 x 50	mm
27-205	230 x 130 x 75	mm
27-206	260 x 150 x 75	mm
27-207	300 x 200 x 75	mm
27-208	325 x 275 x 75	mm
27-209	420 x 175 x 75	mm

# Sterilizing Baskets / Trays



27-210 - 212

27-210	480 x 250 x 50	mm
27-211	520 x 250 x 75	mm
27-212	520 x 250 x 100	mm



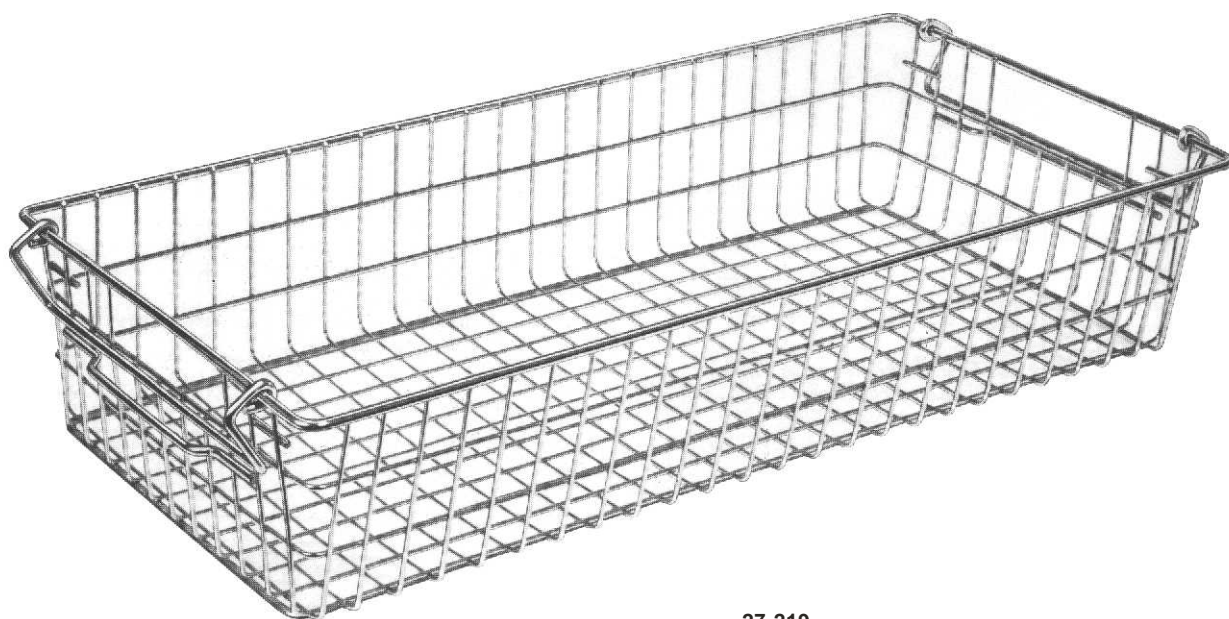
27-213 - 218

27-213	240 x 240 x 50	mm
27-214	240 x 240 x 80	mm
27-215	240 x 240 x 100	mm
27-216	480 x 260 x 50	mm
27-217	520 x 260 x 80	mm
27-218	520 x 260 x 100	mm



## Sterilizing Basket

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**27-219**  
(60 x 30 x 15 cm)  
Nominal dimensions