

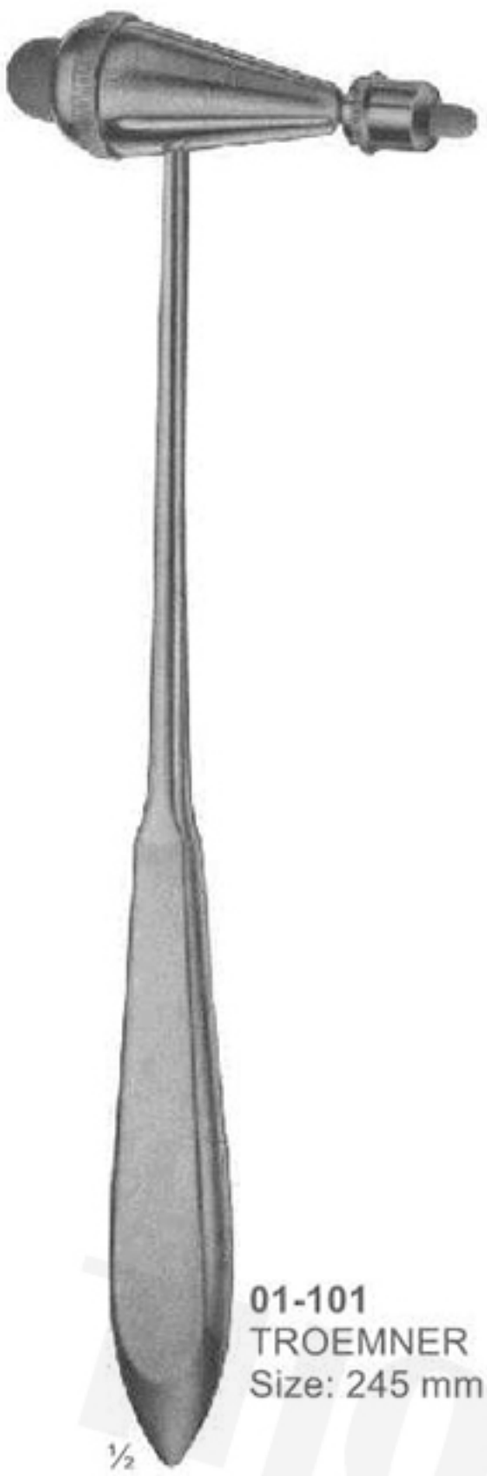
THORACIC SURGICAL
INDUSTRY

# SURGICAL
# INSTRUMENTS

## OUR CATEGORIES

- DENTAL INSTRUMENTS
- SURGICAL INSTRUMENTS
- BEAUTY INSTRUMENTS

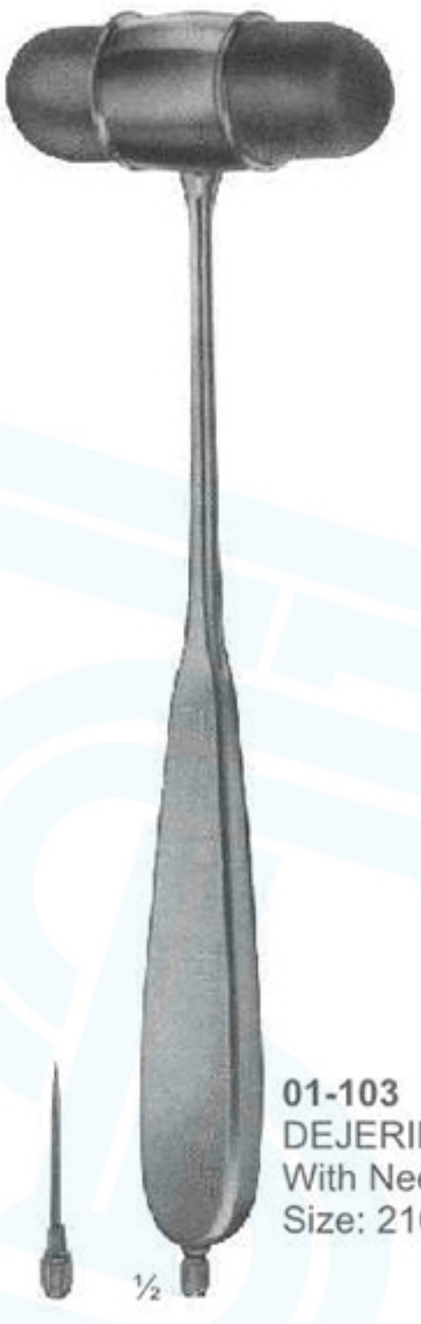
# Percussion Hammers & Aesthesiometers



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



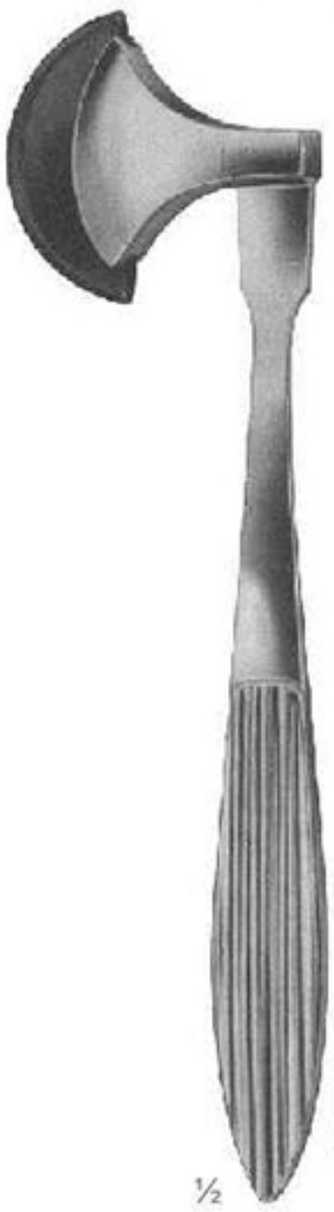
**01-102**
DEJERINE
Size: 200 mm



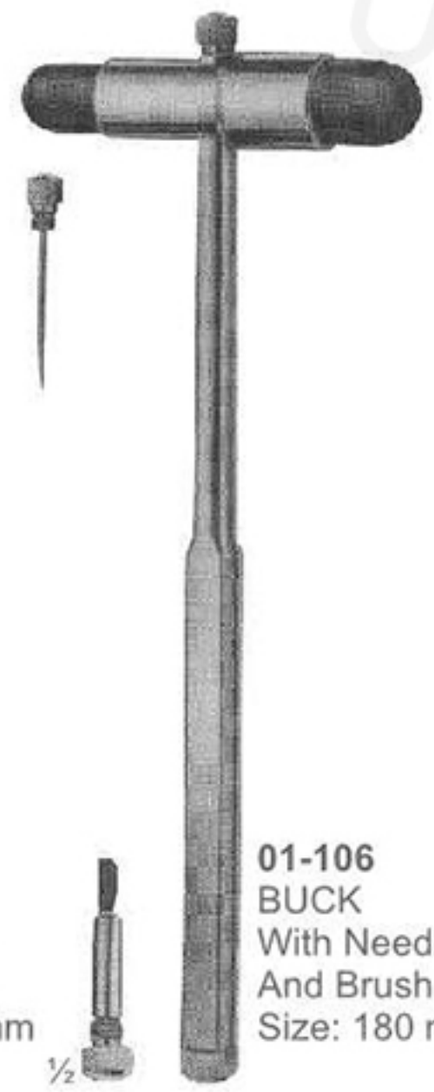
**01-103**
DEJERINE
With Needle
Size: 210 mm



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



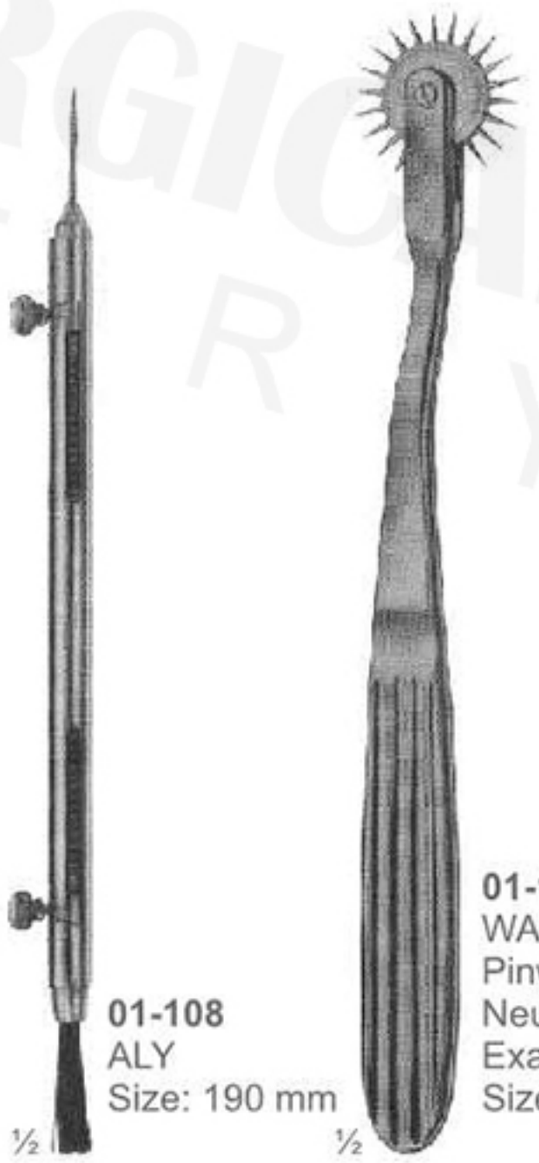
**01-105**
BERLINER
Size: 200 mm



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



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

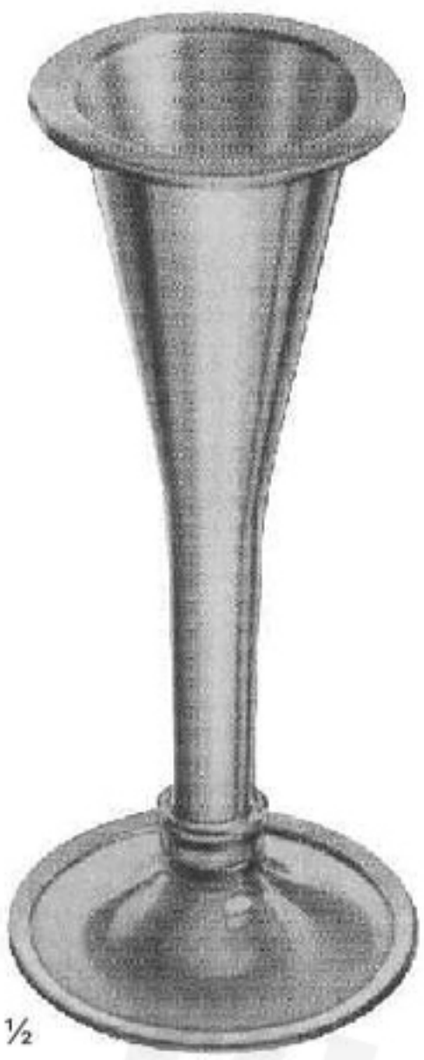


**01-108**
ALY
Size: 190 mm



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

# Stethoscopes



½

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



½

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



¼

**01-112**
BOWLES
Stethoscope
With Diaphragm



⅓

**01-113**
ANESTOPHON





¼

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



¼

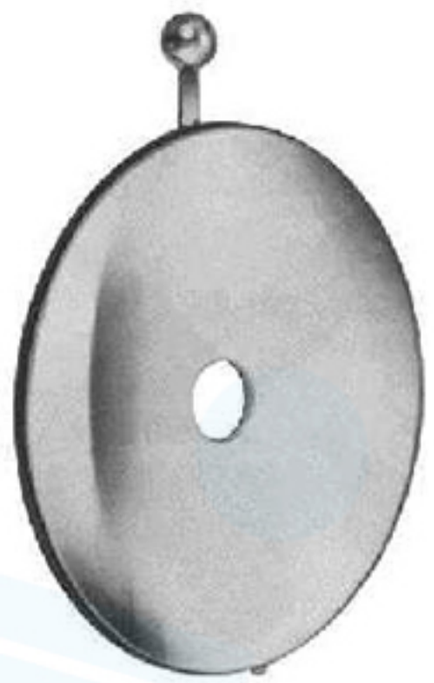
**01-115**
BOWLES

THORACIC SURGICAL INSTRUMENTS

# Head Mirrors & Head Bands



**01-116**
ZIEGLER ∅ mm
Head mirror only
with rubber coating



**01-117**
ZIEGLER ∅ mm
Head mirror only
with metal coating

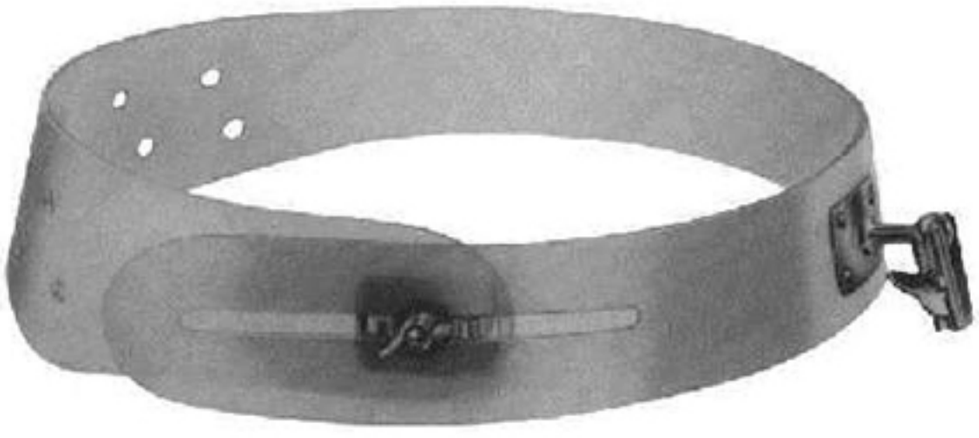


**01-118**
ZIEGLER
Head band of plastic black

**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

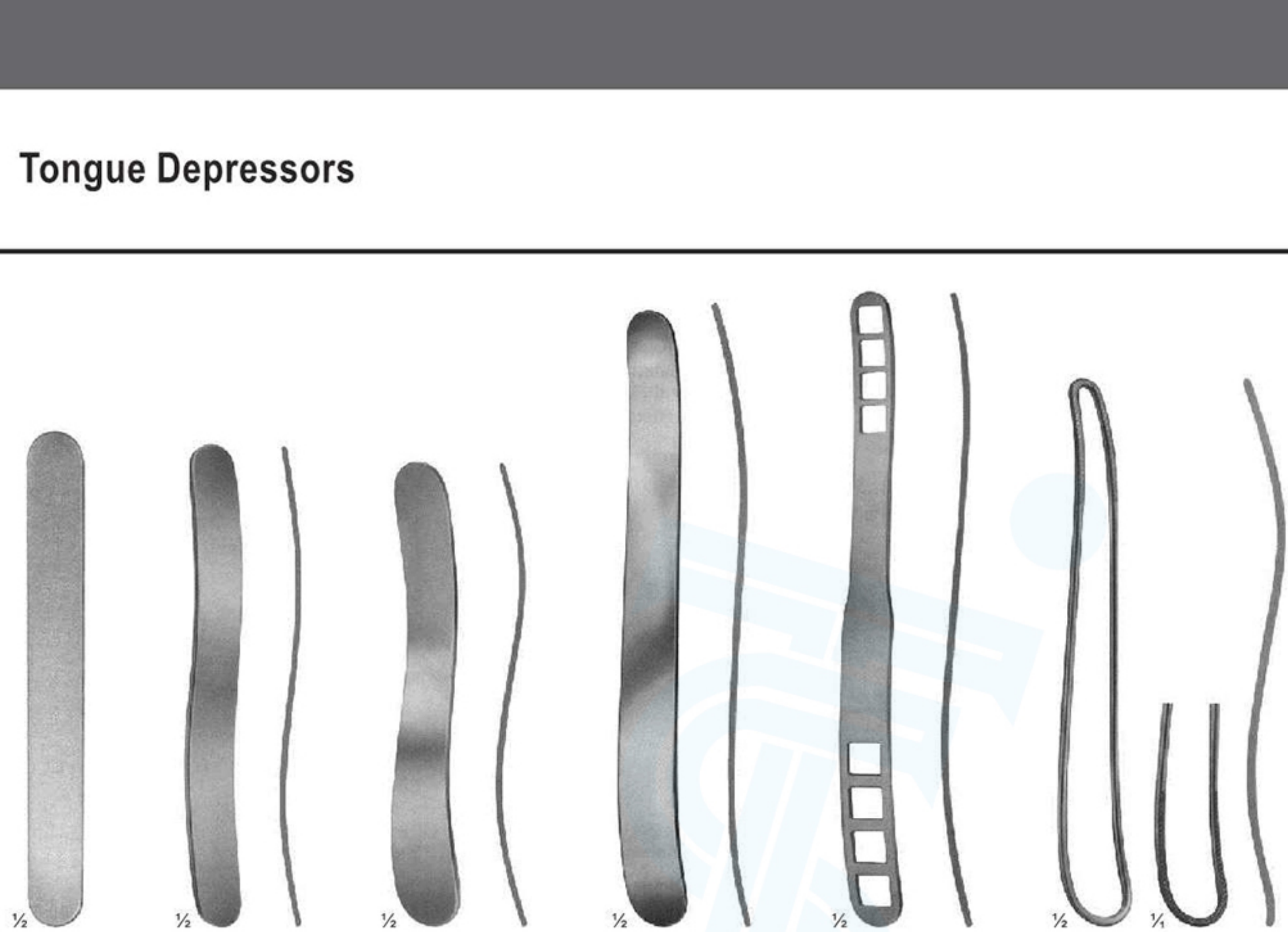
**01-131**
CLAR
Head light, 6 volt, with adjustable joint,
white plastic head band,
cord with plugs for transformer





**01-132**
spare bulb

# Tongue Depressors




**01-133**
Size: 150 mm

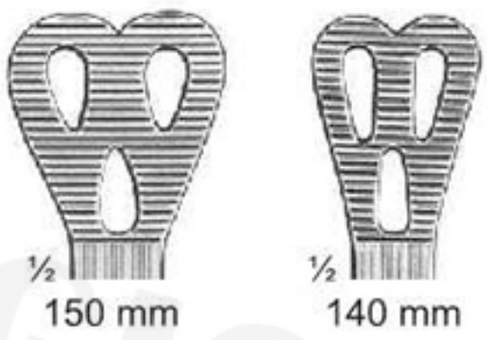
**01-134**
Size: 145 mm

**01-135**
Size: 140 mm

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

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

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







**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

THORACIC SURGICAL INDUSTRY

# Tongue Depressors




**01-144**
SCHIMMELBUSCH
Ether Mask




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



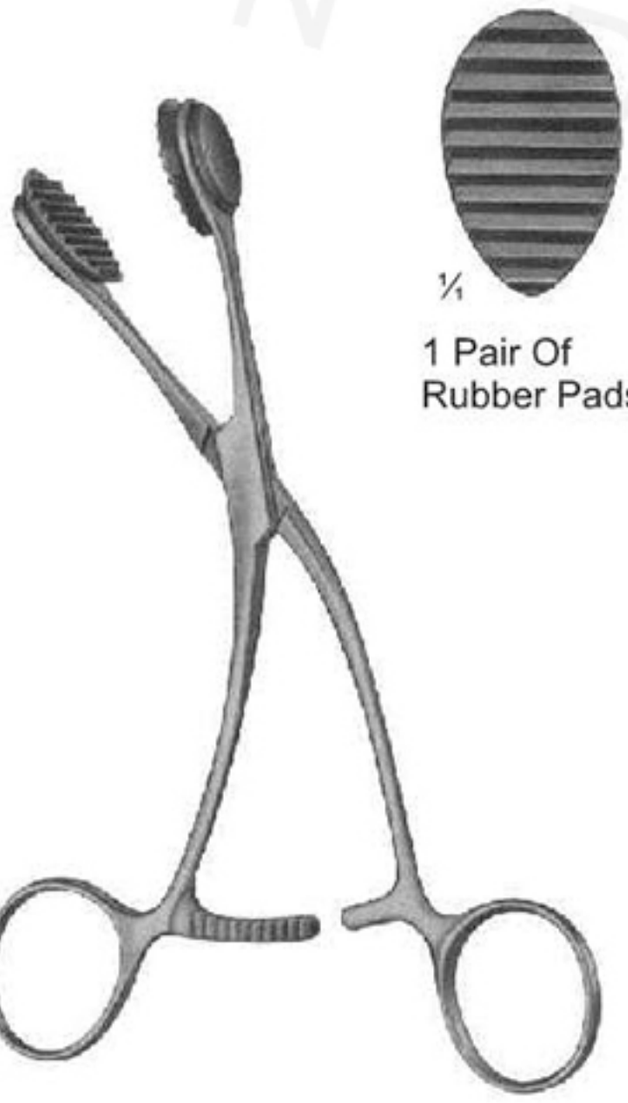

**01-146**
FERGUSSON-ACKLAND
Mouth Gag
Size: 145 mm




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




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







1 Pair Of
Rubber Pads

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







Size: 160 mm




Size: 170 mm

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







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

# Blood Lancets & Laryngeal Mirrors



½

**01-152**
FRANCKE
Automatic Blood Lancet



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

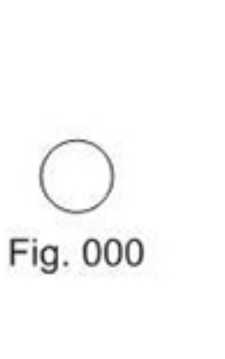


Fig. 000



Fig. 00



Fig. 0

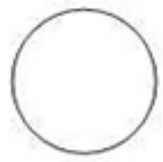


Fig. 1

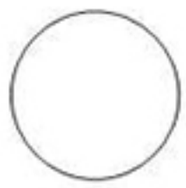


Fig. 2

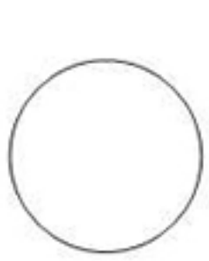


Fig. 3



Fig. 4



Fig. 5

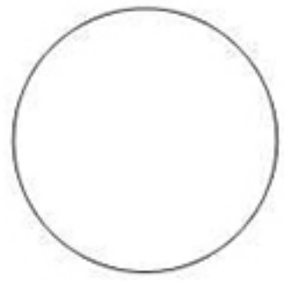


Fig. 6

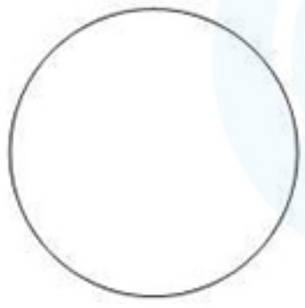


Fig. 7



Fig. 8



Fig. 9

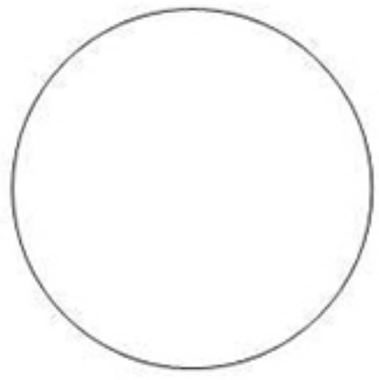


Fig. 10



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



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



½

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



½

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



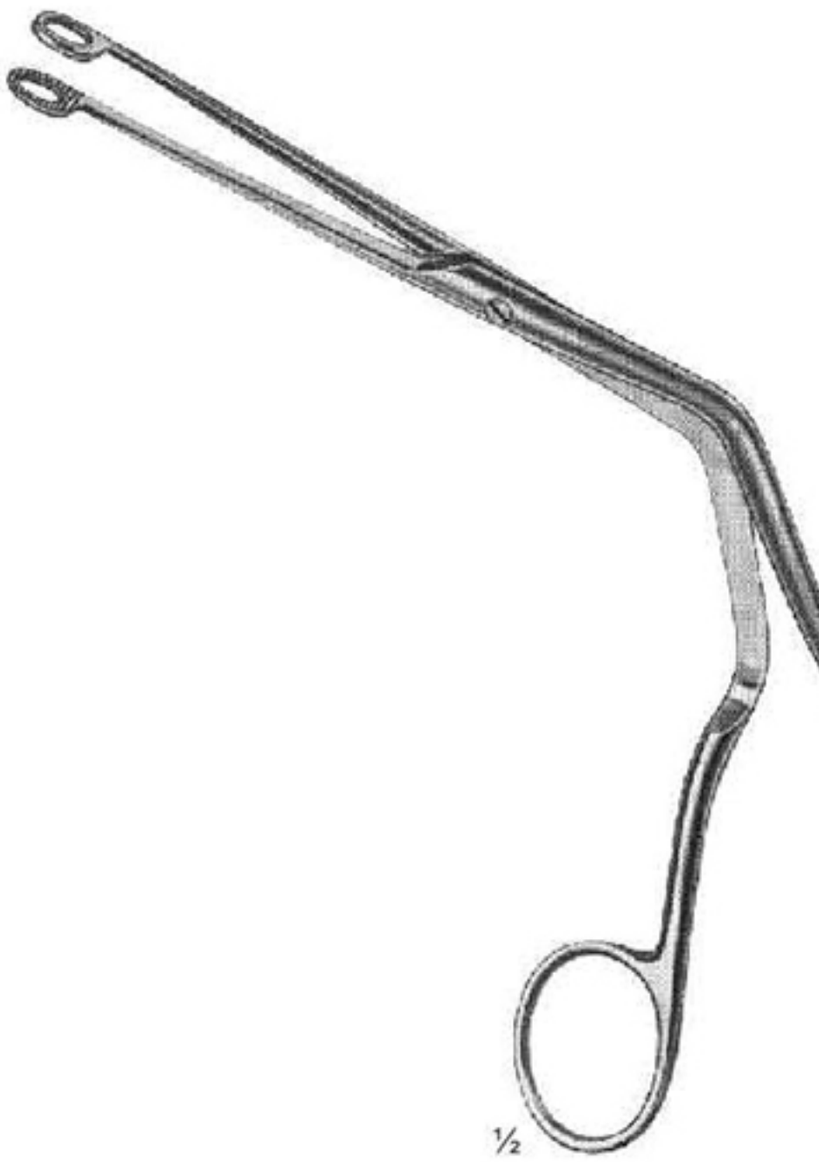
½

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



½

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




**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
autoscopes



**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 Valvet Lined Case



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

THORACIC SURGICAL INDUSTRIES



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

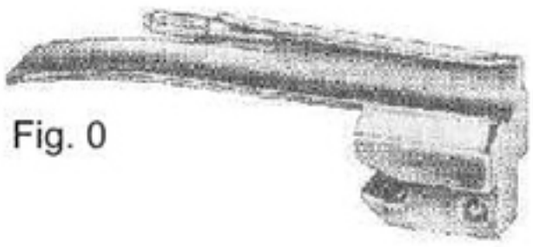


Fig. 0

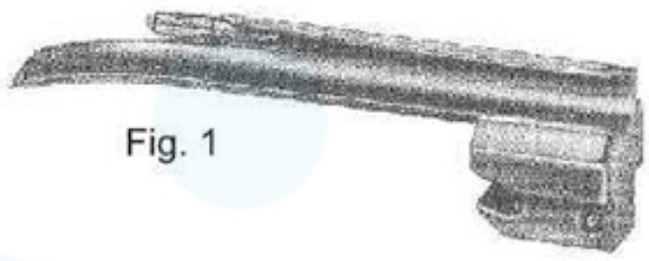


Fig. 1

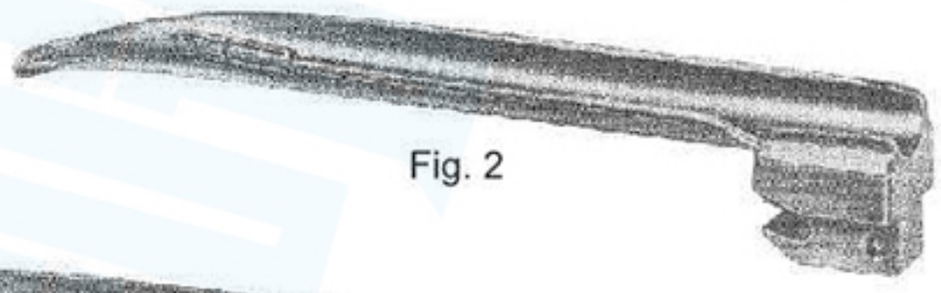


Fig. 2

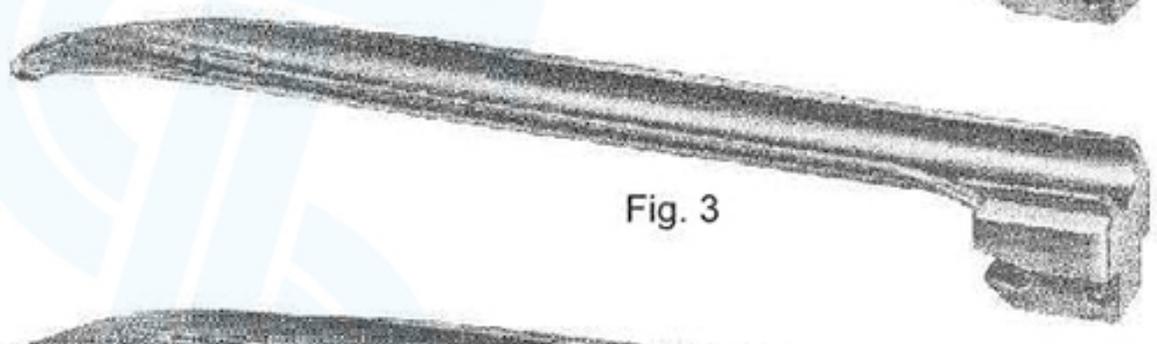


Fig. 3

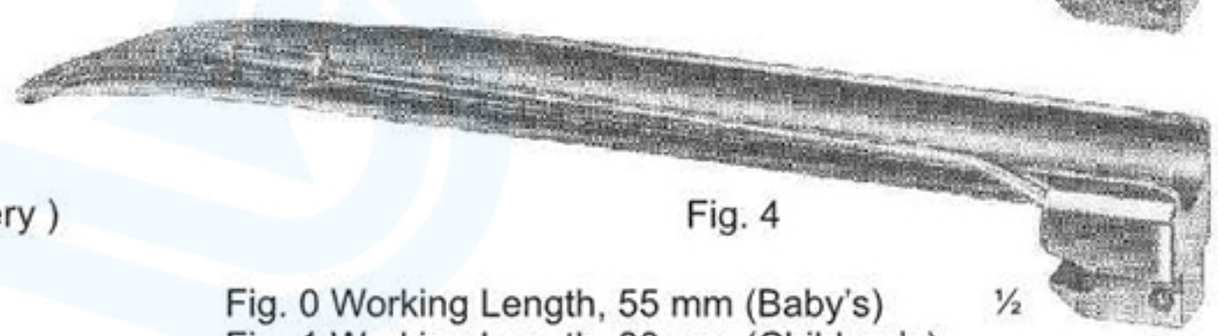


Fig. 4

½

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



⅓

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



Fig. 1



Fig. 2

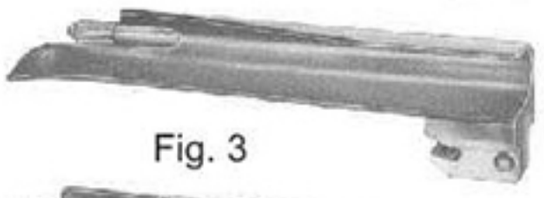


Fig. 3

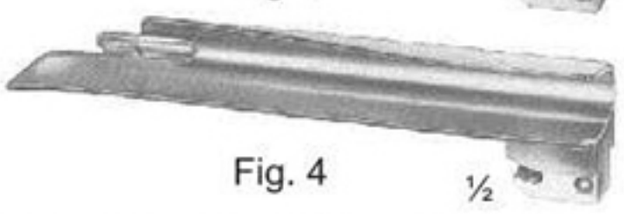


Fig. 4

½

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)

THORACIC SURGICAL INDUSTRY

# Diagnostic Sets



⅓

**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

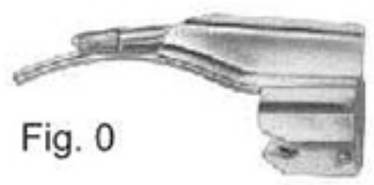


Fig. 0



Fig. 1



Fig. 2

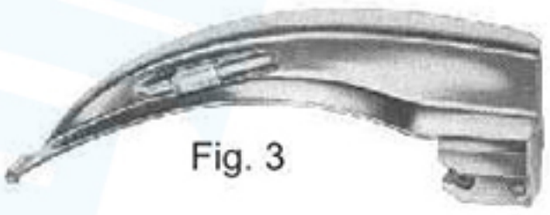


Fig. 3



Fig. 4

½

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)



⅓

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

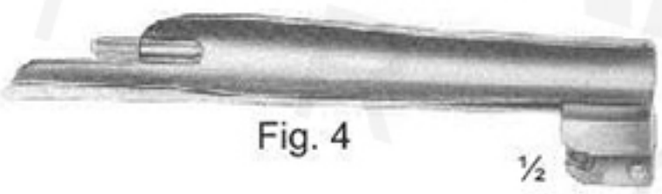


Fig. 4

½

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)



½

**01-172**
Fiber Optic
Battery Handle



½

**01-173**
Fiber Optic
Battery Handle



¼

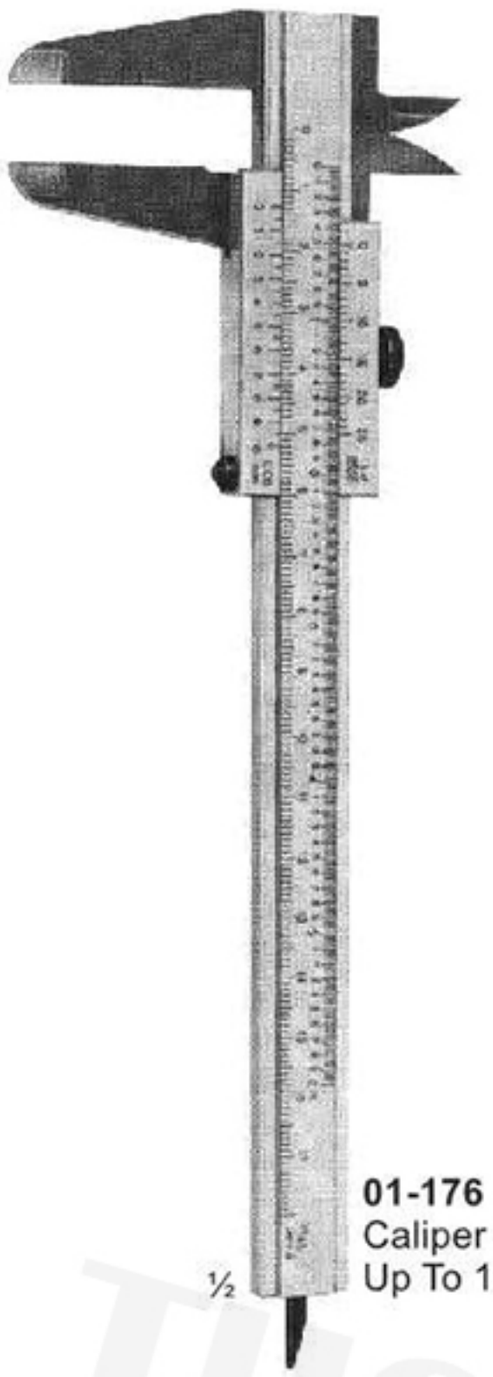
**01-174**
Replacement Lamp
( Krypton ) 2.5 V



¼

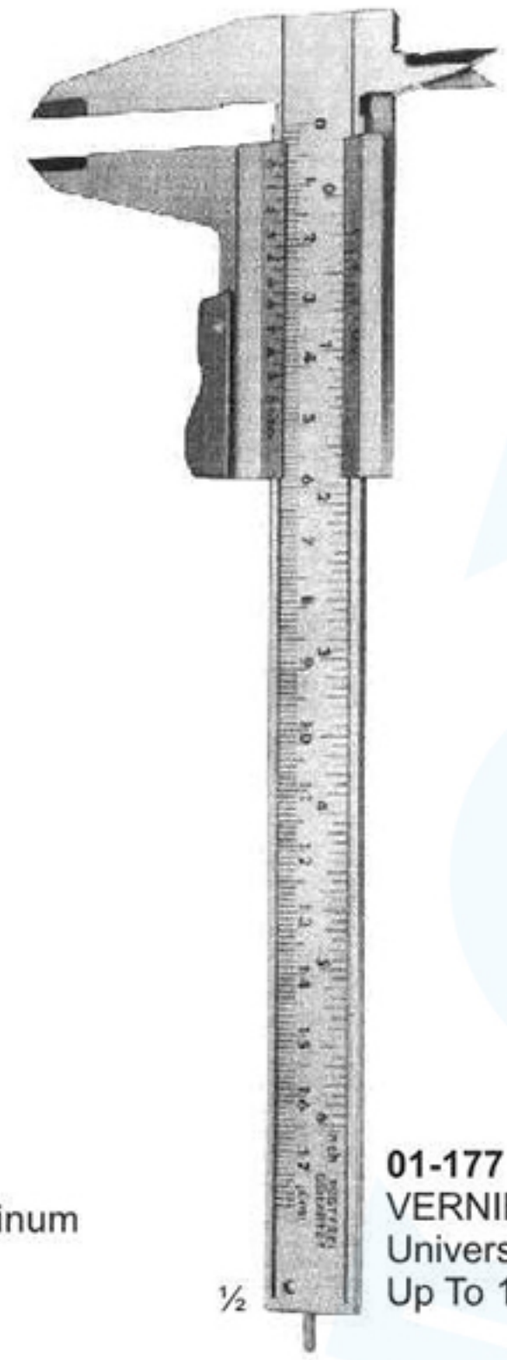
**01-175**
Replacement Lamp
( Halogen ) 2.5 V

# Examination & Measuring Instruments



½

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



½

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



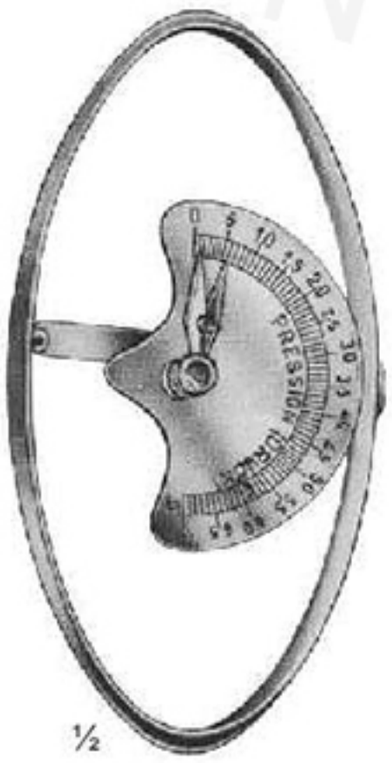
½

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



½

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



½

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



½

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



1/1

**01-182**
CASTROVIEJO
Caliper



½

**01-183**
MOLTGEN
Goniometer



**01-184**
Size: 500 mm



**01-185**
Size: 150 mm

THORACIC SURGICAL INSTRUMENTS

# Dissecting Knives







**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

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

THORACIC SURGICAL INSTRUMENTS

# Autopsy & Cartilage Knives




**02-111**
Size: 255 mm

**02-112**
VIRCHOW

**02-113 - 115**
WALB

**02-116 - 118**
VIRCHOW

# Scalpels, Tenotomes & Resection Knives



1/1

**02-119 - 124**
GRAEFE
Size: 130 mm



1/1

**02-119**



**02-120**



**02-121**



1/1

**02-122**



**02-123**



**02-124**



1/1

**02-125 - 126**
DIEFFENBACH
Size: 160 mm



1/1

**02-125**



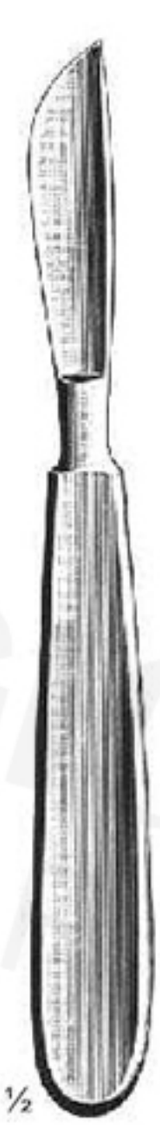
1/1

**02-126**
**Tenotome**



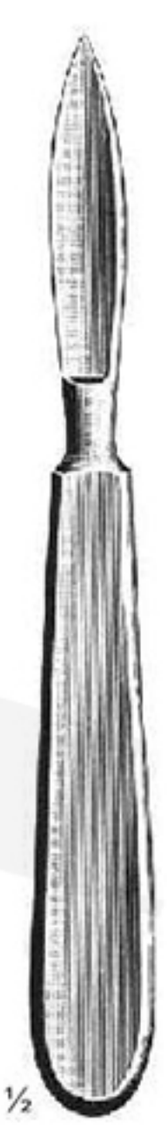
1/2

**02-127**
Size: 290 mm



1/2

**02-128**
Size: 180 mm



1/2

**02-129**
Size: 180 mm

THORACIC AND SURGICAL

# Scalpels, Tenotomes




**02-130 - 149**
Size: 140 mm - 175 mm

THORACIC SURGICAL INDUSTRY

# Amputating Knives, Cartilage Knives, Autopsy Knives




**02-150**
Size: 130 mm
**02-151**
Size: 160 mm
**02-152**
Size: 190 mm
**02-153**
Size: 200 mm

Blade Length
Amputating Knives

**02-154**
CATLIN
Size: 160 mm
Blade Length
Amputating
Knives

**02-155**
LANGENBECK
Size: 120 mm
Blade Length
Flap Knives

**02-156**
Size: 110 mm
Blade Length
Interosseous
Knives

**02-157**
Size: 55 mm
Blade Length
With Raspatory,
Wooden Handle

**02-158**
Size: 70 mm
Blade Length
Wooden Handle

**02-159**
Size: 80 mm
Blade Length
Metal Handle

**02-160**
Size: 195 mm
Blade Length
Metal Handle

THORACIC SURGICAL

# Cone Knives, Myomatome, Trigeminal & Tonsil Knives




**02-161**
AYRE
Size: 235 mm
Cone Knife

**02-162**
Size: 230 mm
Cone Knife

**02-163**
SEGOND
Size: 270 mm
Myomatome

**02-164**
OLIVECRONA
Size: 205 mm
Trigeminal
Knife

**02-165**
Size: 230 mm
Trigeminal
Knife

**02-166**
FOWLER
Size: 200 mm
Tonsil Knife

**02-167**
ABRAHAM
Size: 215 mm
Tonsil Knife

**02-168**
BRUNINGS
Size: 215 mm
Tonsil Knife

# 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

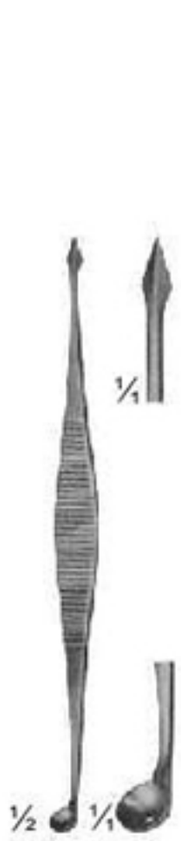
Milium Knives



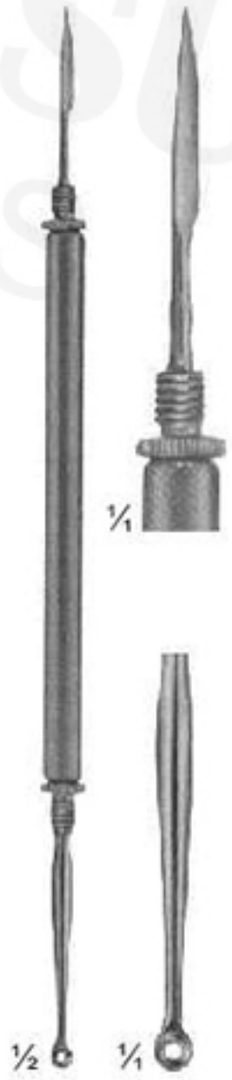
**02-174**
VIDAL
Lupus Scraper
Size: 135 mm



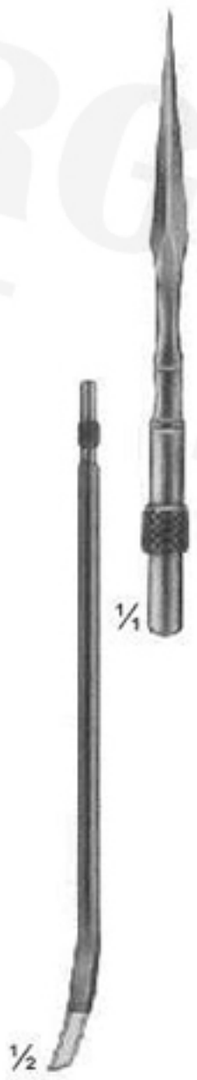
**02-175**
MONCORPS
Milium Knives
Size: 130 mm



**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



1/1

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



1/1

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



1/1

**02-182**
Size: 110 mm



1/1

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



1/1

**02-184**
Size: 185 mm

THORACIC SURGICAL INSTRUMENTS

# Scalpel Handles




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

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

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

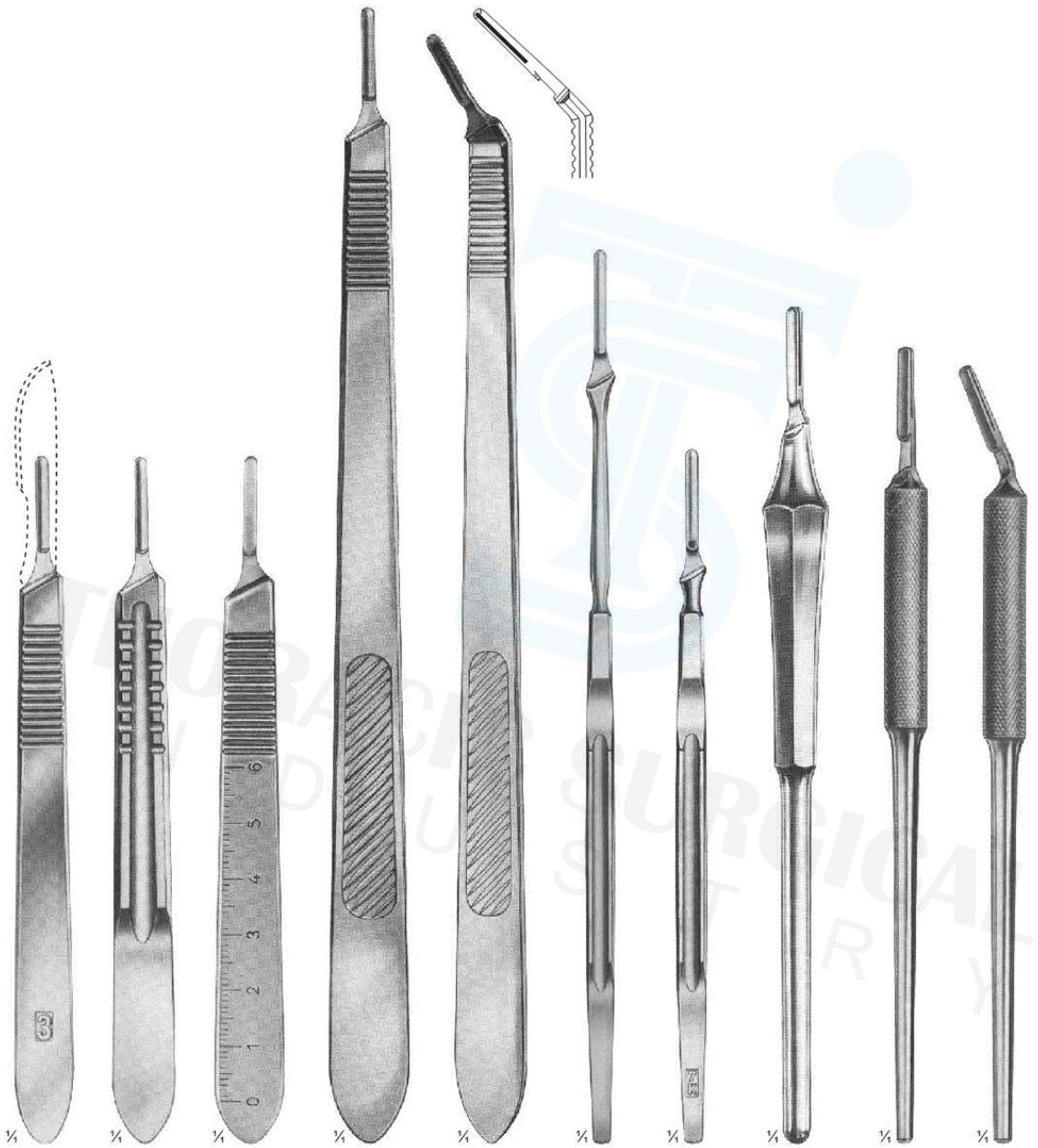
**02-188**
No. 4 L
Solid Angled

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

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

**02-191**
Plastic

# Scalpel Handles




**02-192**
STANDARD
No. 3
Solid

**02-193**
No. 3
Solid

**02-194**
No. 3
Solid

**02-195**
No. 3 L
Straight
Solid

**02-196**
No. 3 L
Angled
Solid

**02-197**
No. 7
Solid

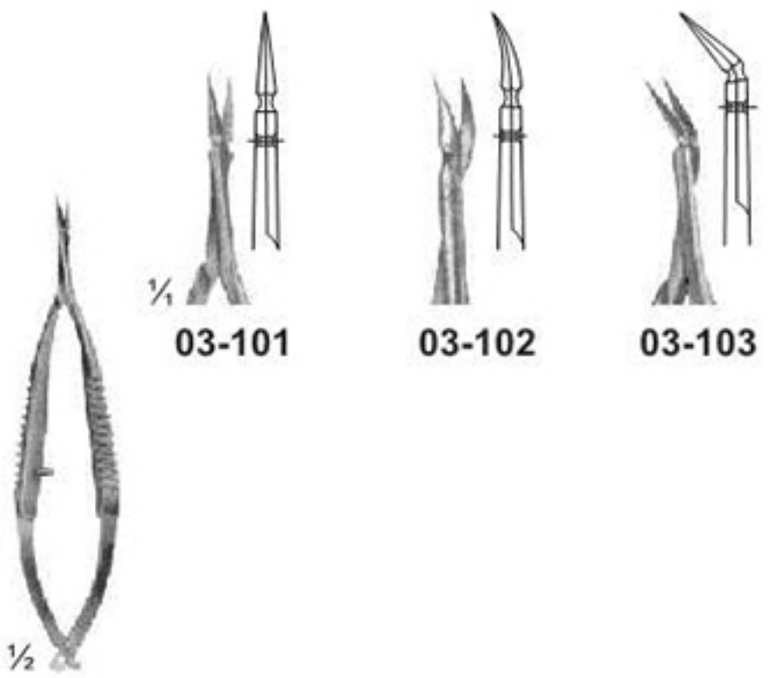
**02-198**
No. 7 K
Solid

**02-199**
Hollow-Round

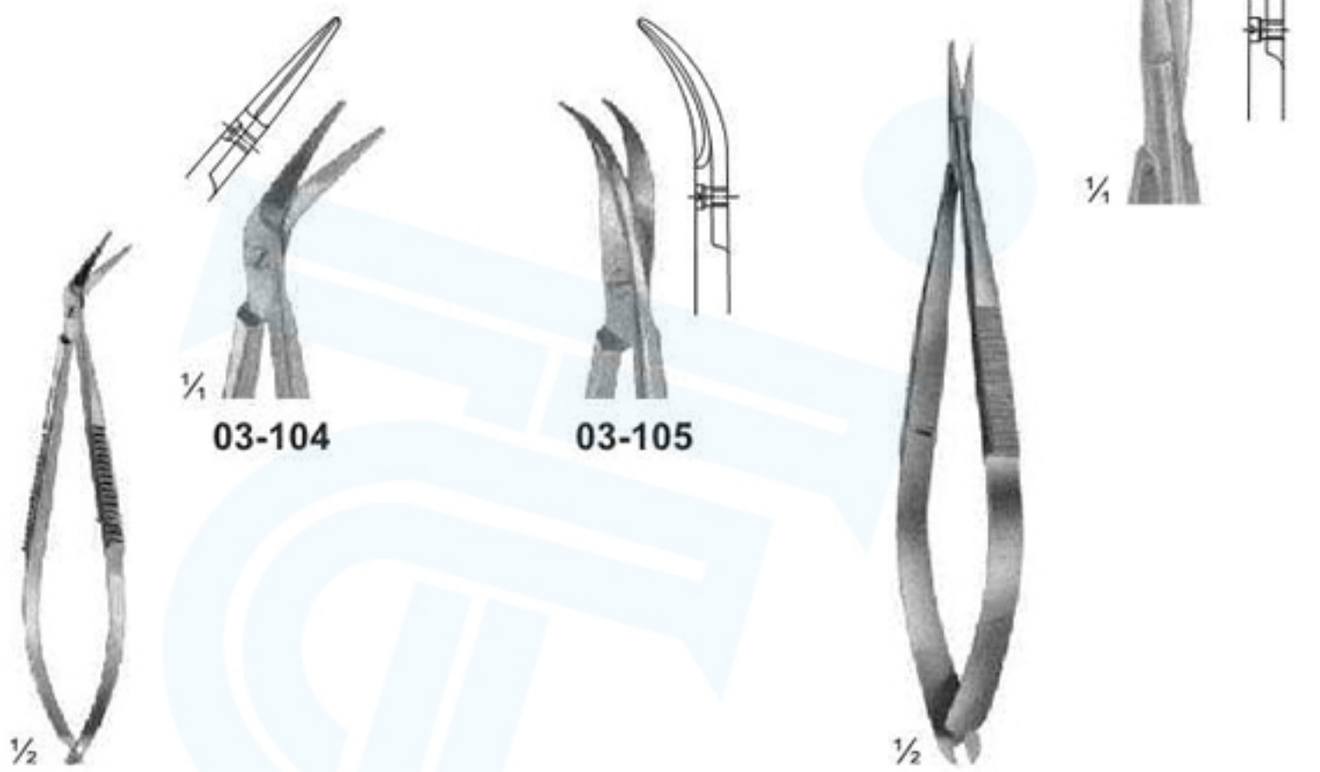
**02-200**
No. 3
Straight
Solid

**02-201**
No. 3
Angled
Solid

# Micro Scissors, “Spring Type” Flat Handles



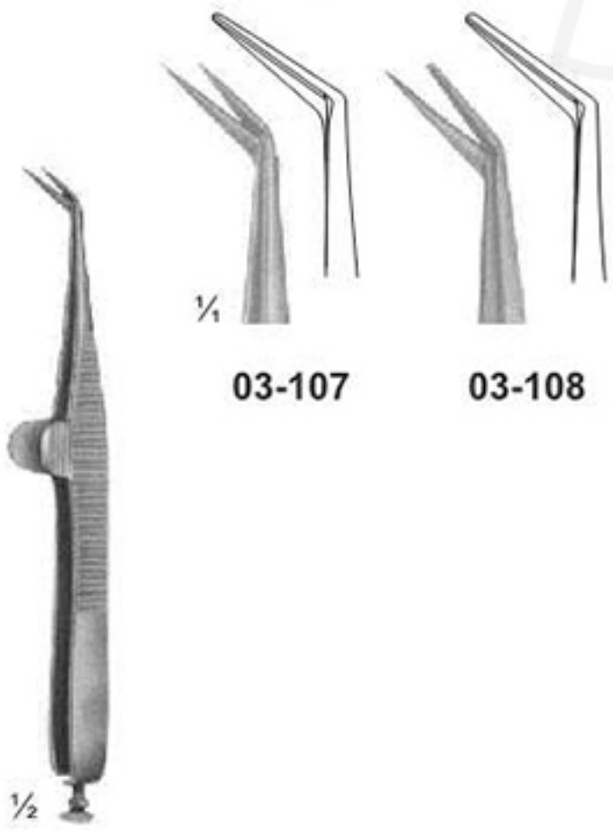

**03-101 - 103**
VANNAS
Size: 85 mm



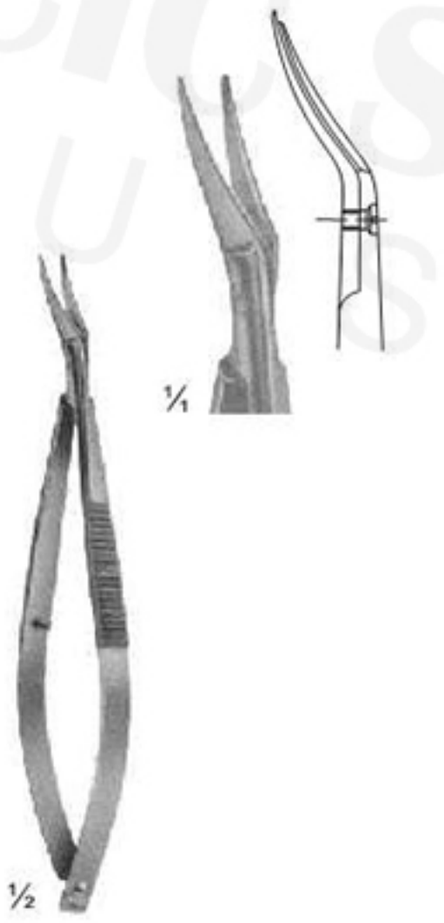

**03-104 - 105**
CASTROVIEJO
Size: 95 mm



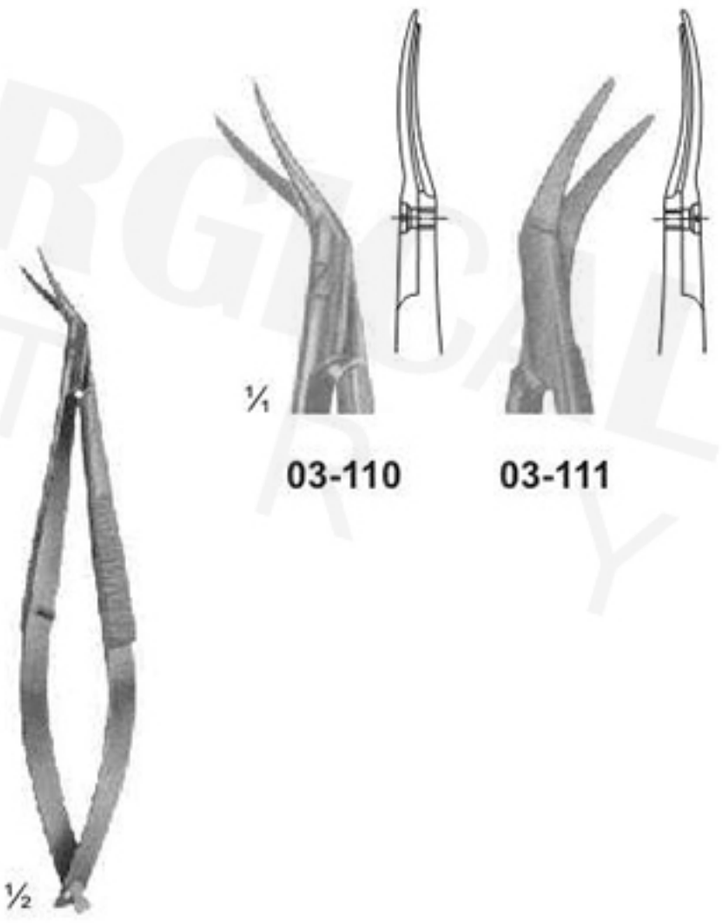

**03-106**
NOYES
Size: 125 mm




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



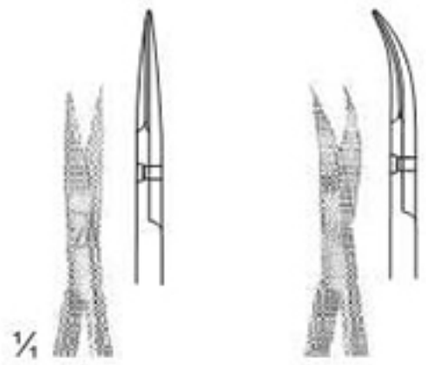

**03-109**
CASTROVIEJO
Eye Scissor
Size: 115 mm




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

# Micro Scissors, “Spring Type” Flat Handles




**03-112** **03-113**

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







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

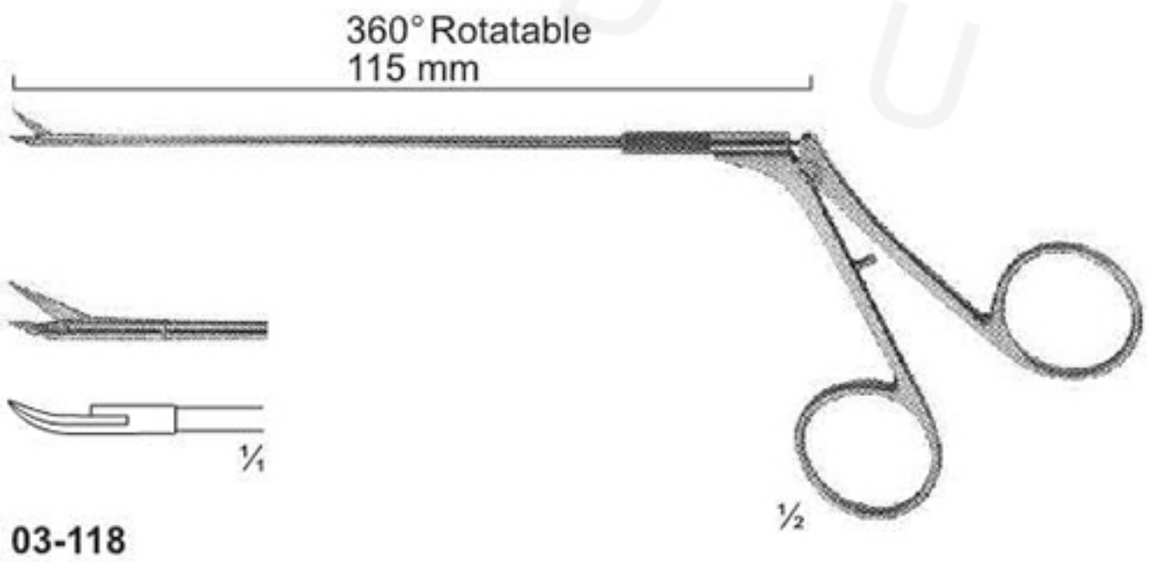
**03-115**
Size: 160 mm




**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**

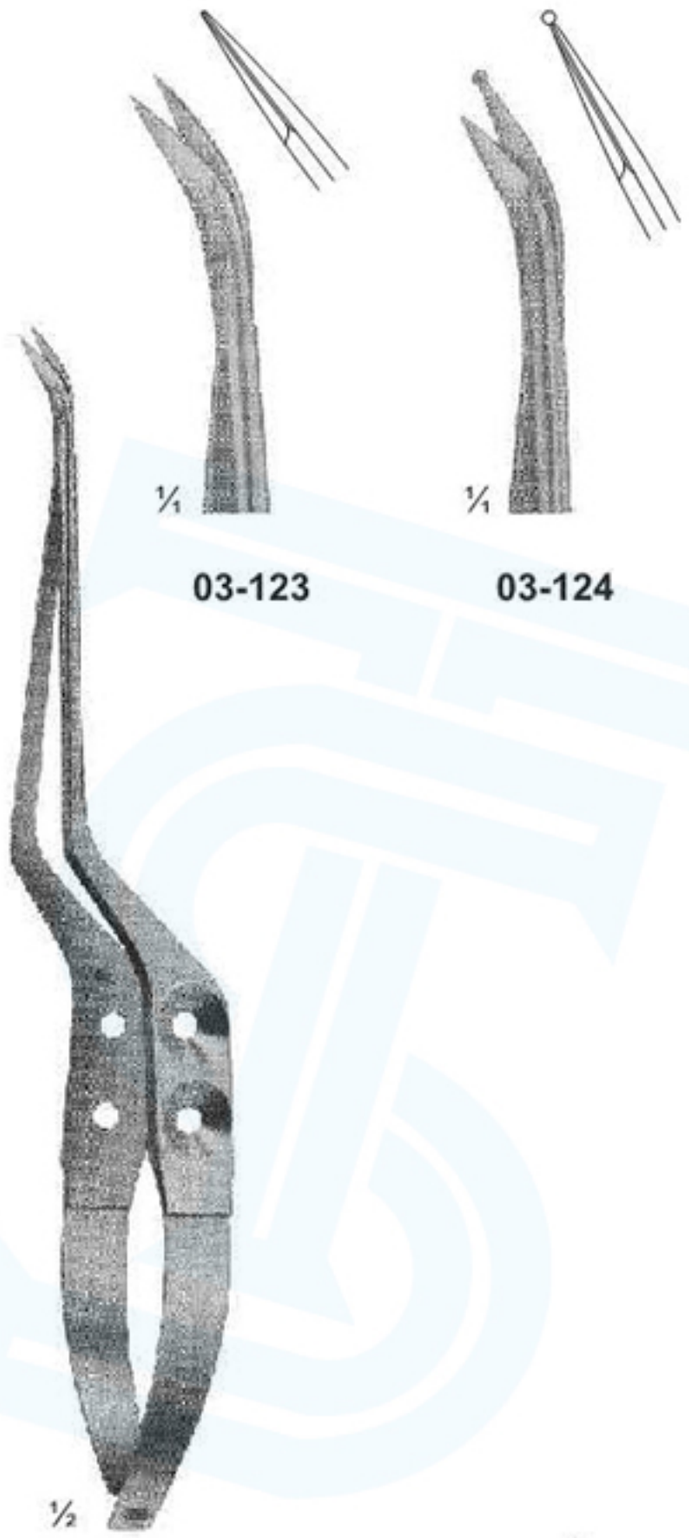
**03-119 - 121**
Micro Dissecting Scissor
Size: 145 mm

THORACIC SURGICAL INDUSTRY

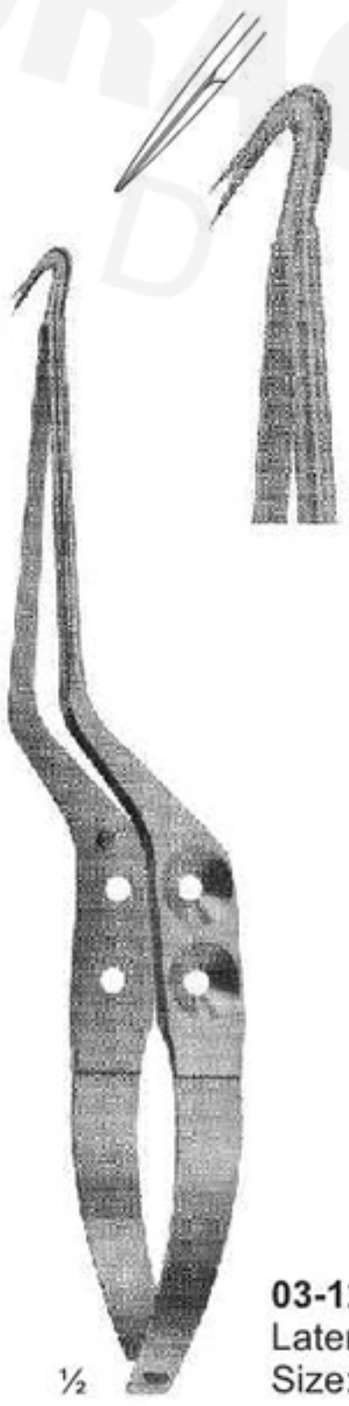
# Micro Scissors, “Spring Type” Bayonet Shape



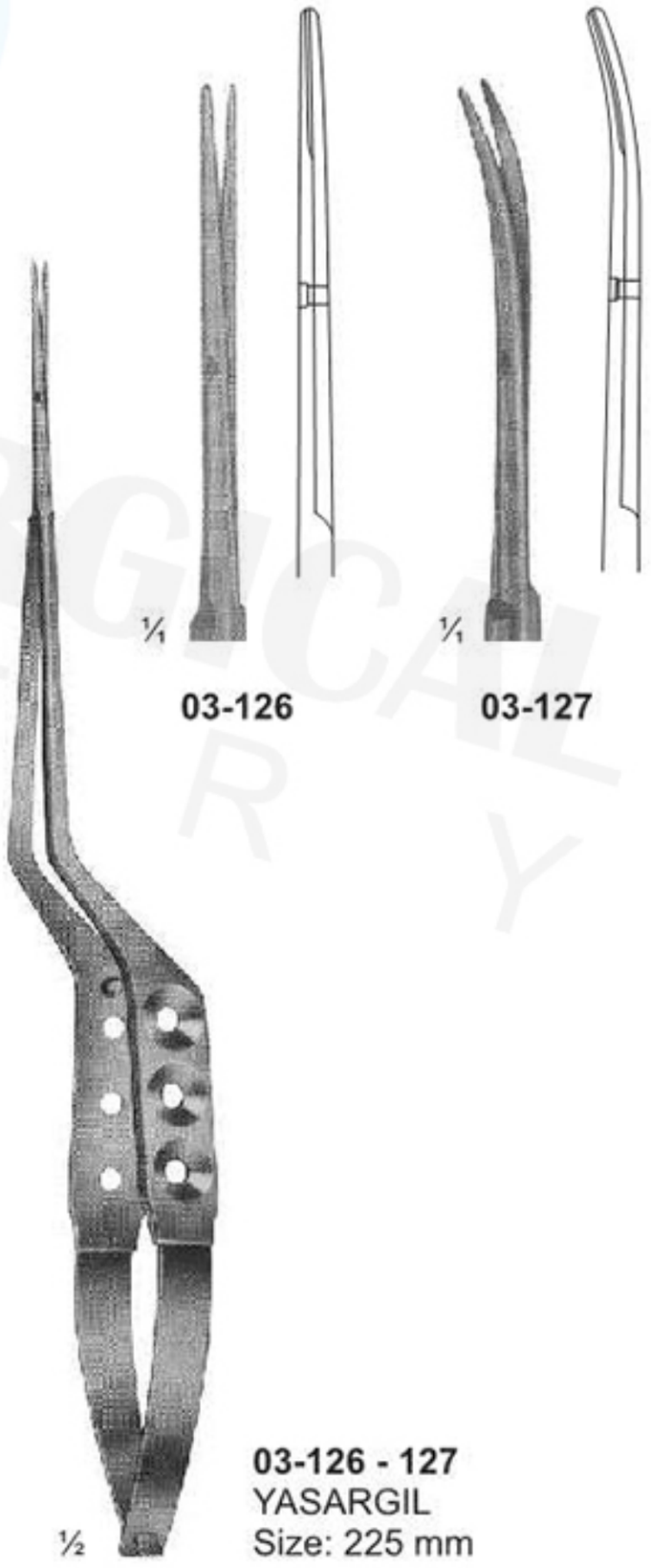

**03-122**
YASARGIL
Size: 245 mm




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




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

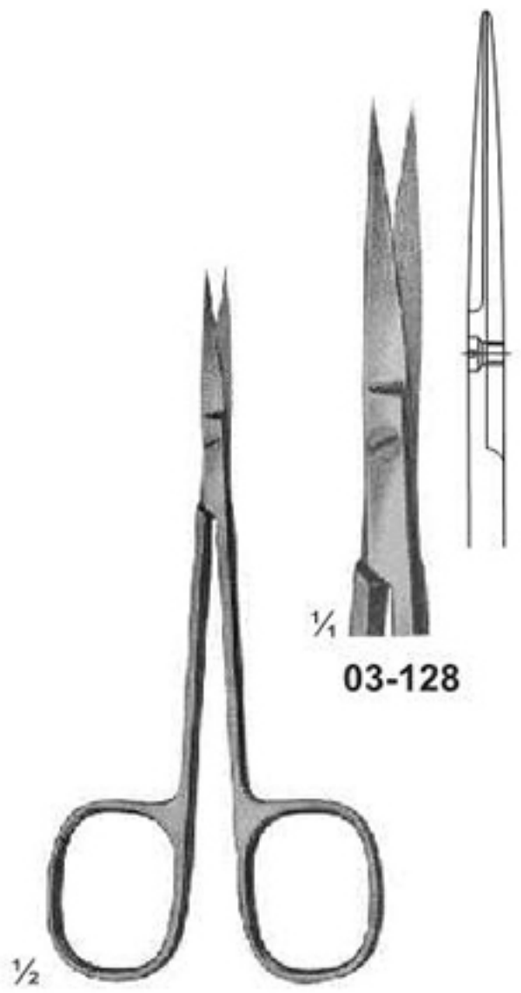



**03-126**

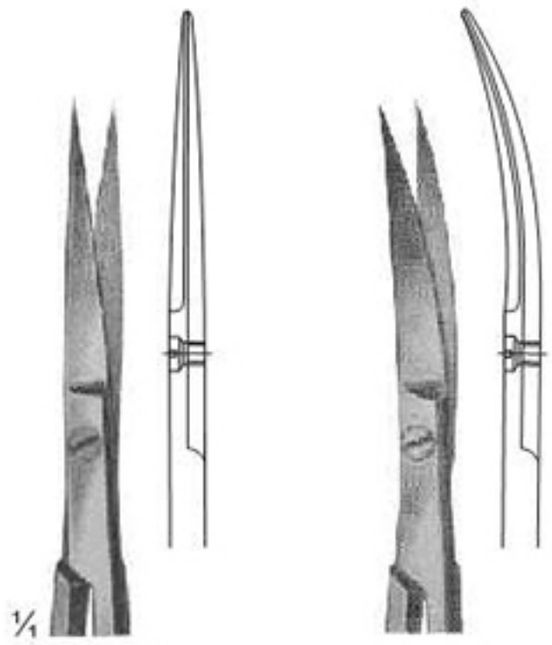
**03-127**

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

# Delicate Scissors



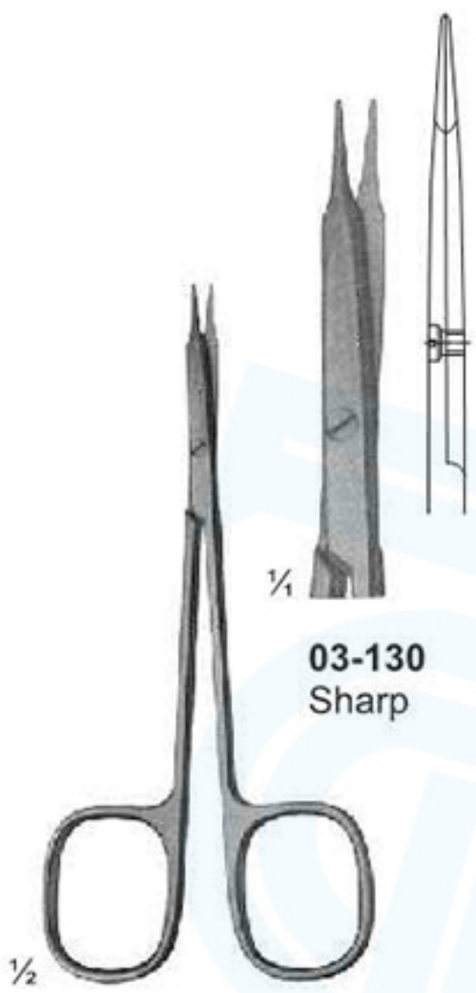
**03-128 - 129**
Size: 120 mm



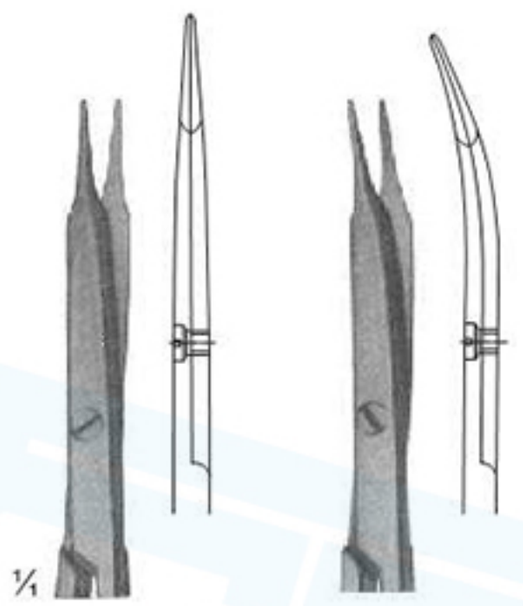
**03-128**



**03-129**



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



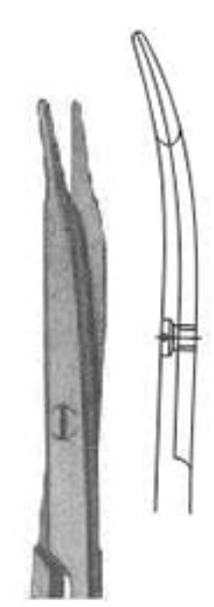
**03-130**
Sharp



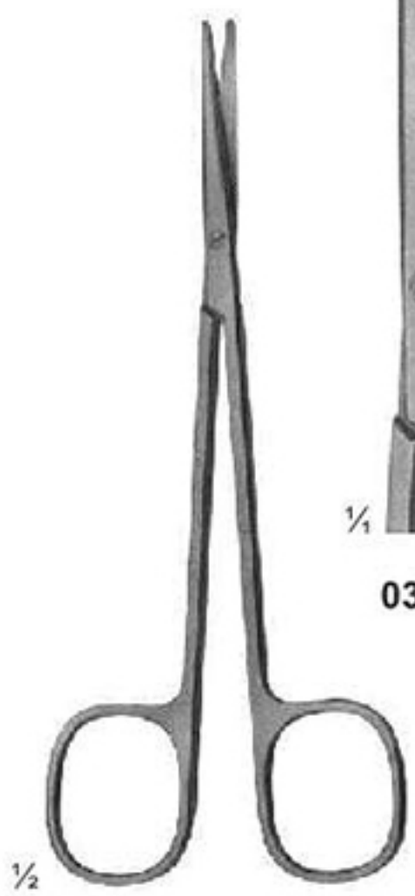
**03-131**
Sharp



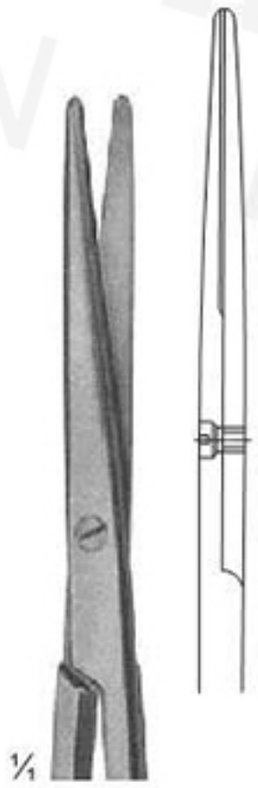
**03-132**
Blunt



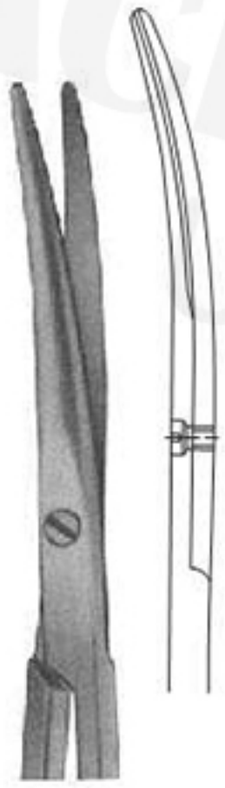
**03-133**
Blunt



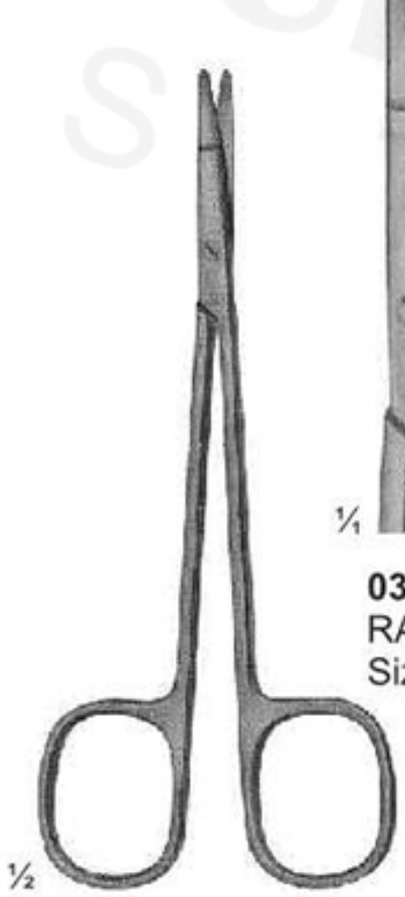
**03-134 - 135**
METZENBAUM
Dissecting Scissors
Size: 145 mm



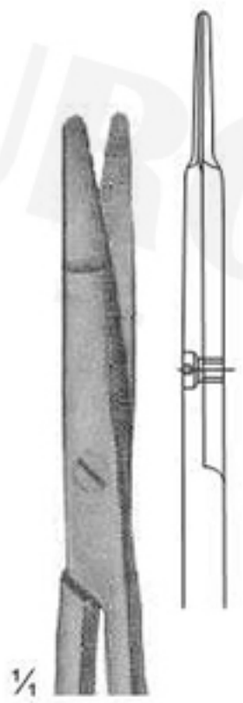
**03-134**



**03-135**



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



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



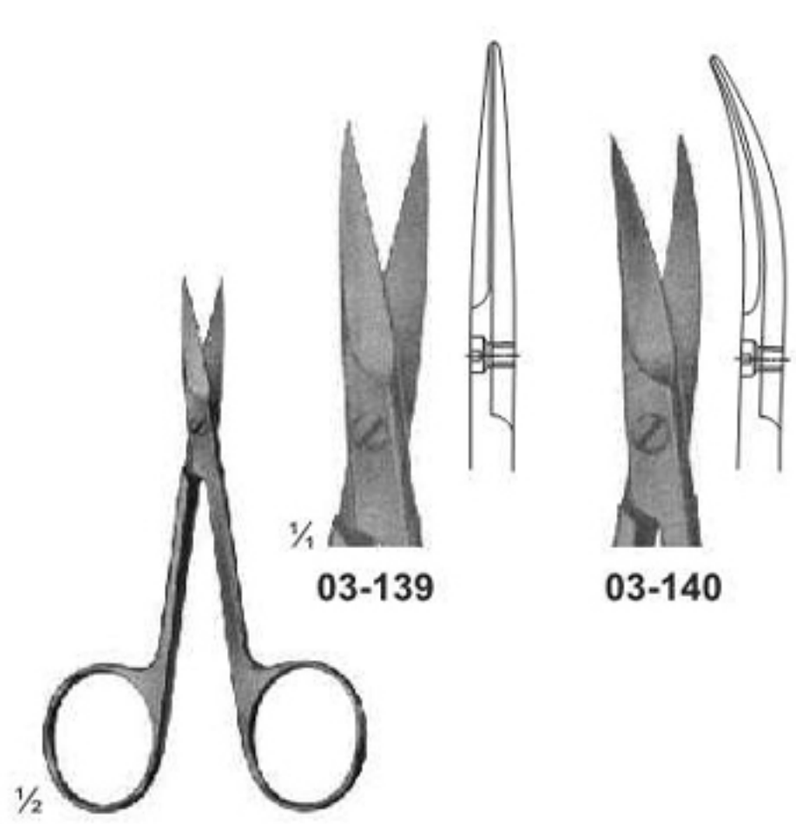
**03-137**
RAGNELL
Size: 135 mm



**03-138**
Size: 150 mm

THORACIC SURGICAL INSTRUMENTS

# Delicate Scissors



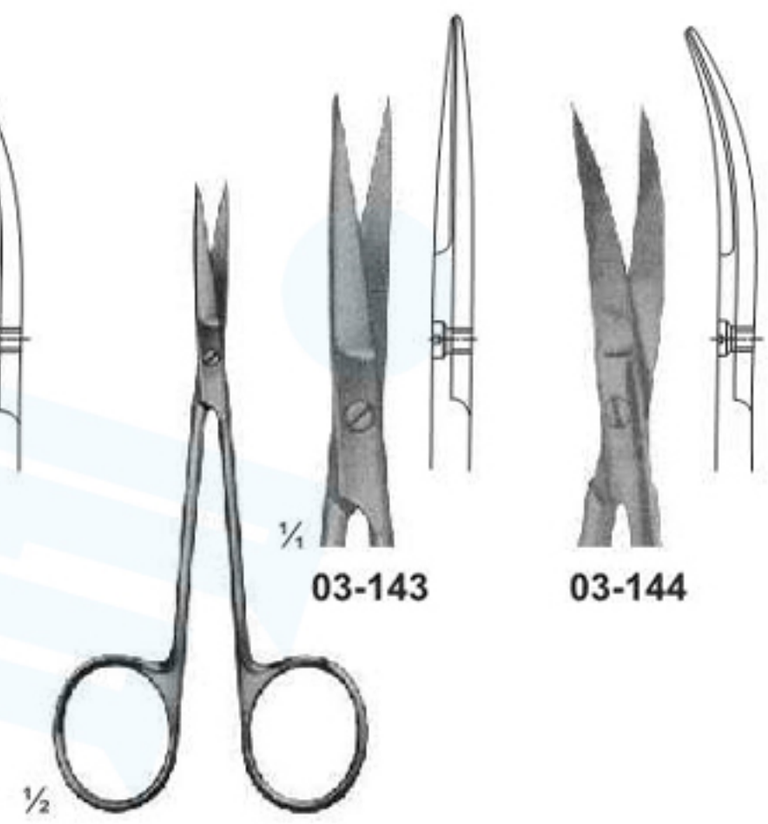

**03-139** **03-140**

**03-139 - 140**
Size: 90 mm



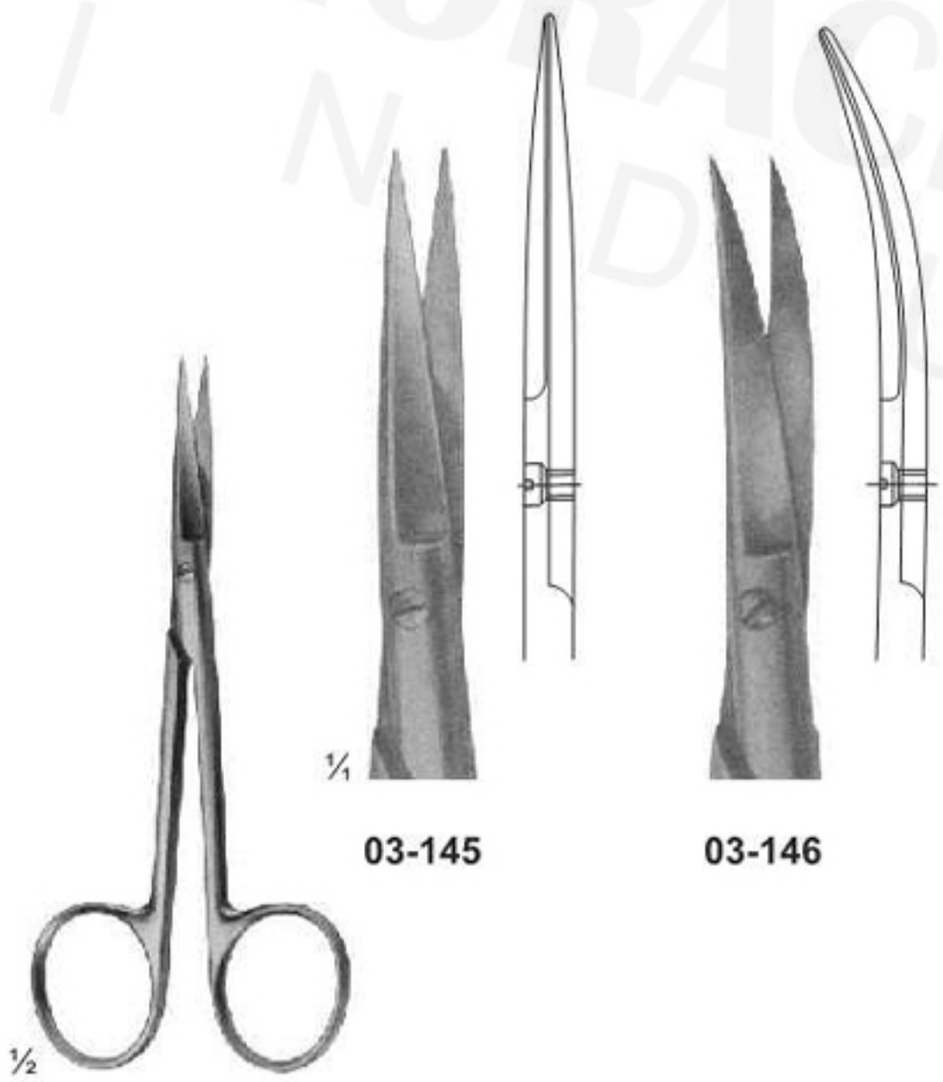

**03-141** **03-142**

**03-141 - 142**
Size: 95 mm




**03-143** **03-144**

**03-143 - 144**
Size: 105 mm




**03-145** **03-146**

**03-145 - 146**
Size: 120 mm




**03-147** **03-148**

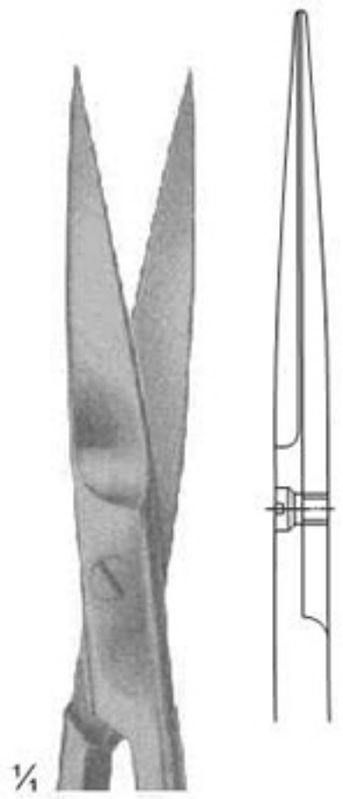
**03-147 - 148**
Size: 115 mm

THORACIC SURGICAL INSTRUMENTS

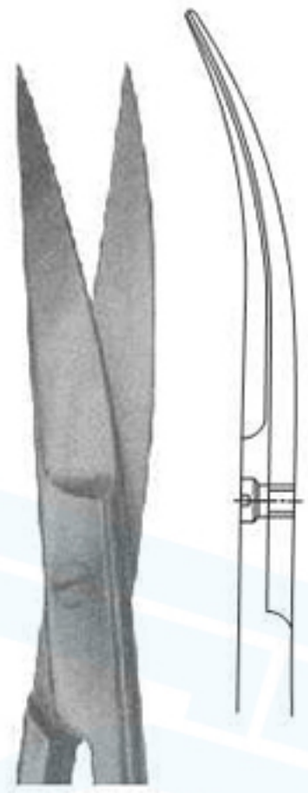
# Delicate Scissors



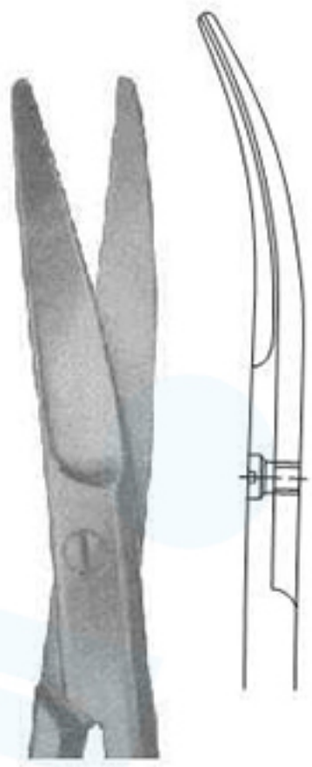

**03-149 - 151**
Size: 120 mm




**03-149**



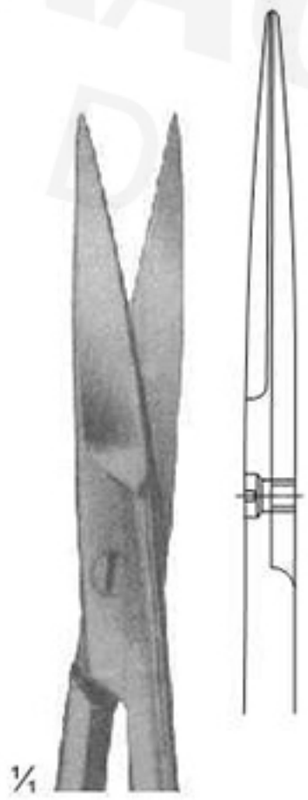
**03-150**



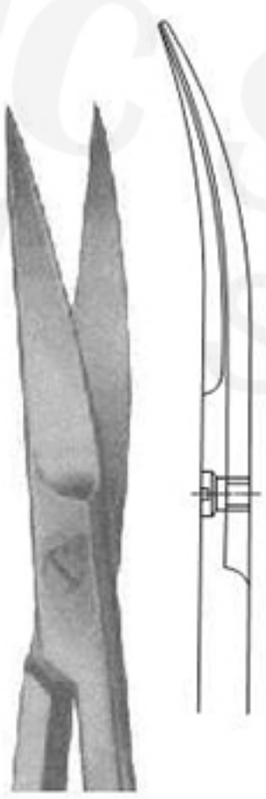
**03-151**



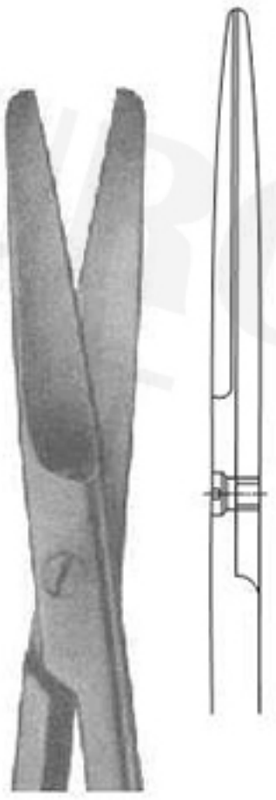

**03-152 - 155**
Size: 130 mm



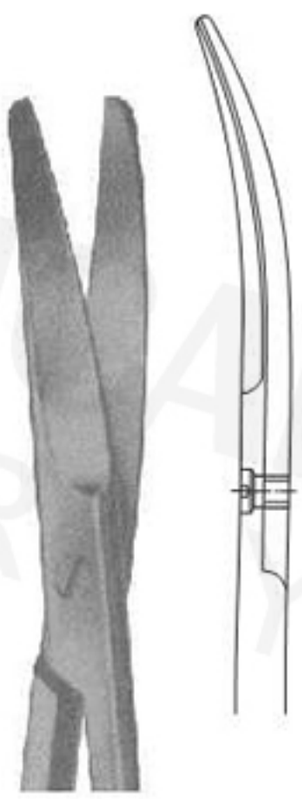

**03-152**



**03-153**



**03-154**



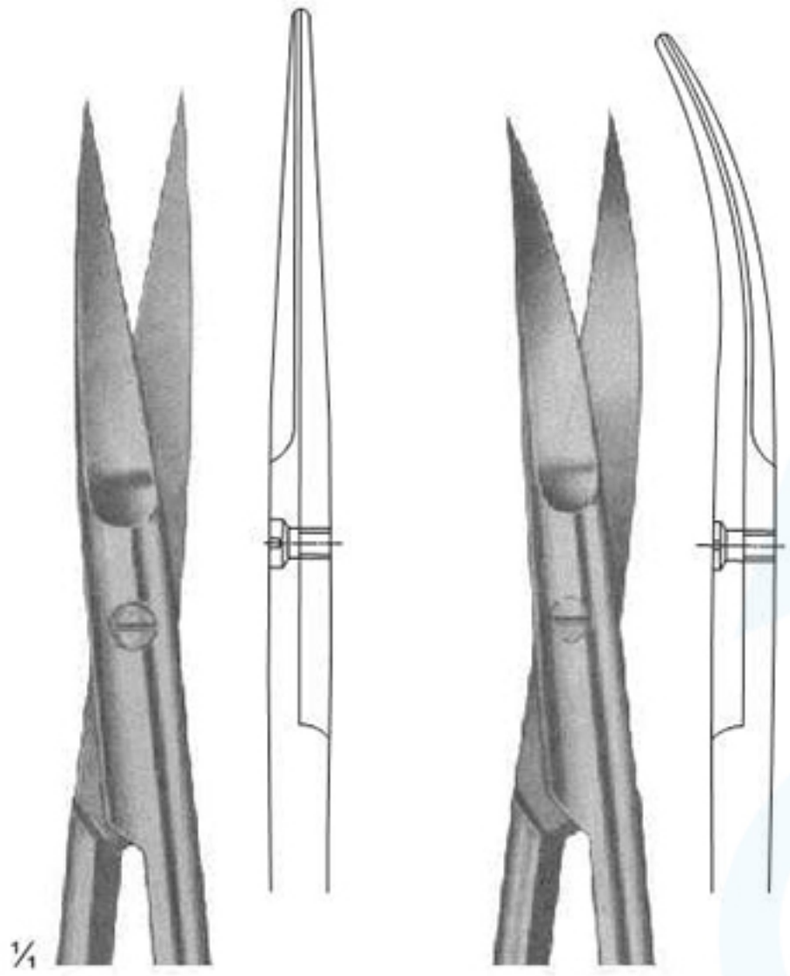
**03-155**

THORACIC SURGICAL INSTRUMENTS

# Delicate Scissors



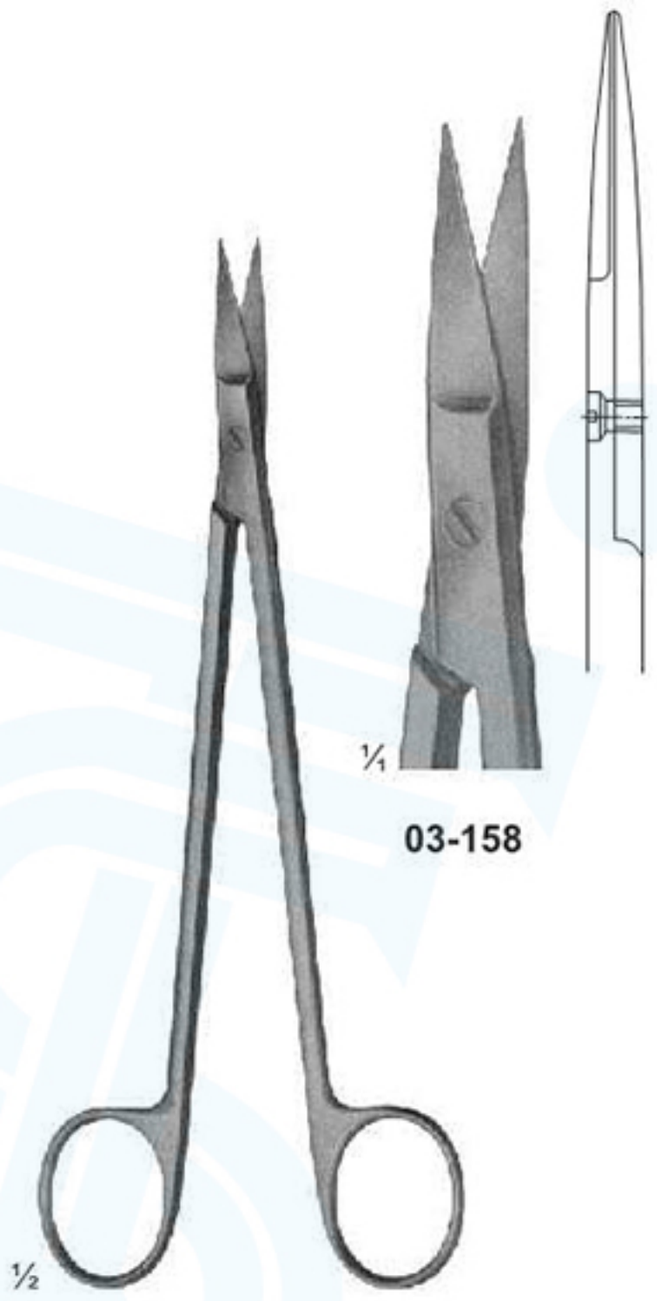
**03-156 - 157**
JOSEPH
Size: 150 mm



**03-156**



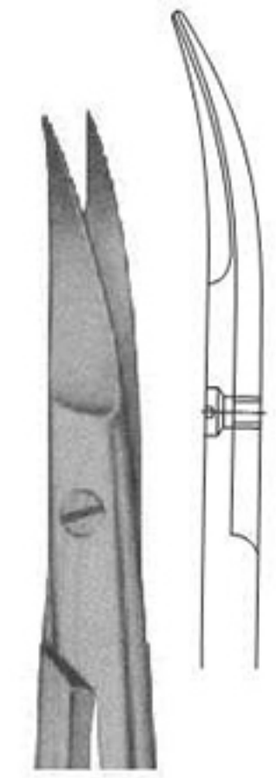
**03-157**



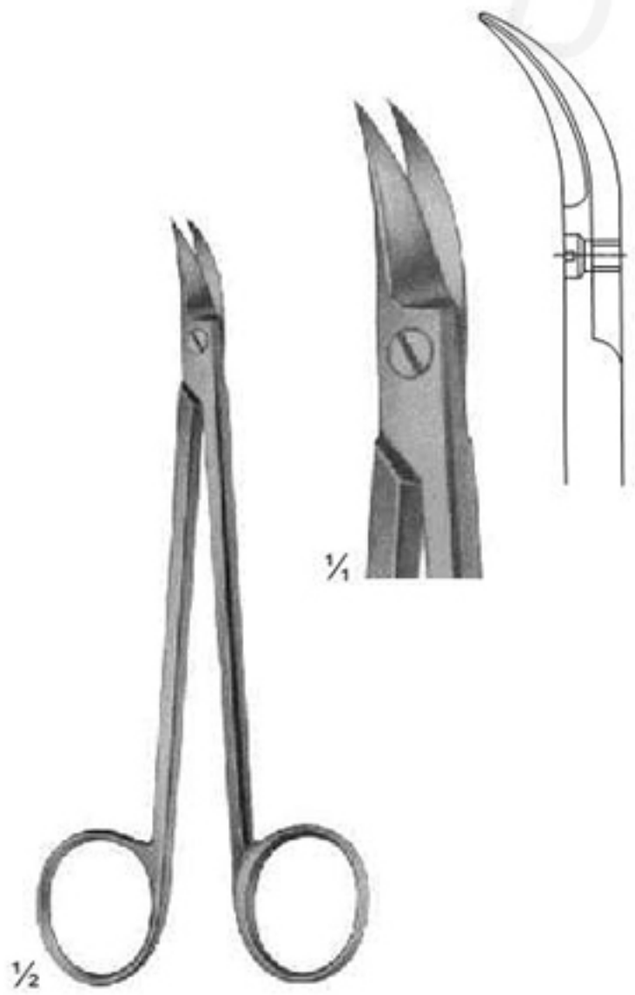
**03-158 - 159**
KELLY
Size: 175 mm



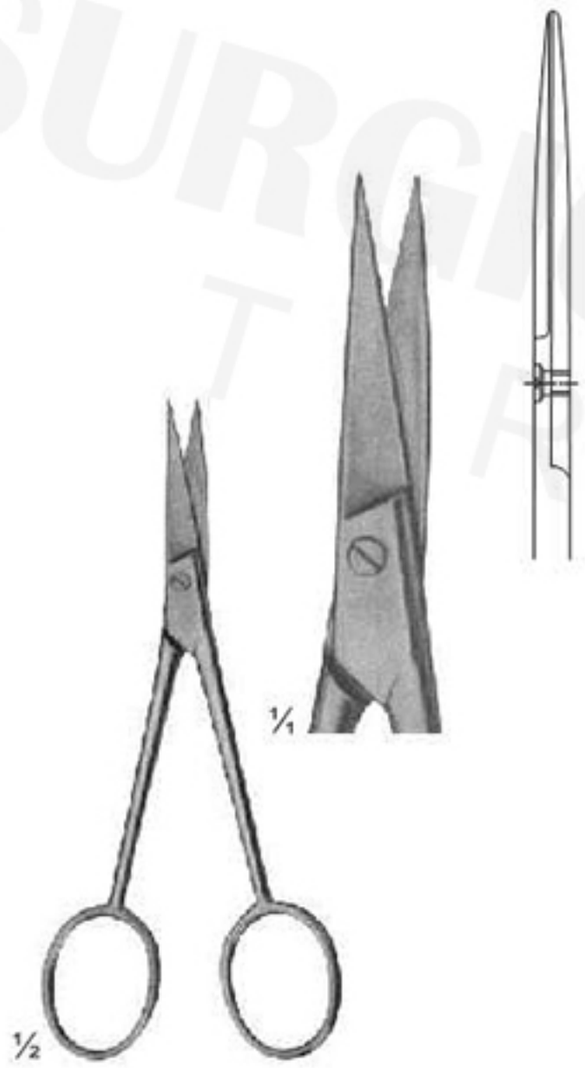
**03-158**



**03-159**

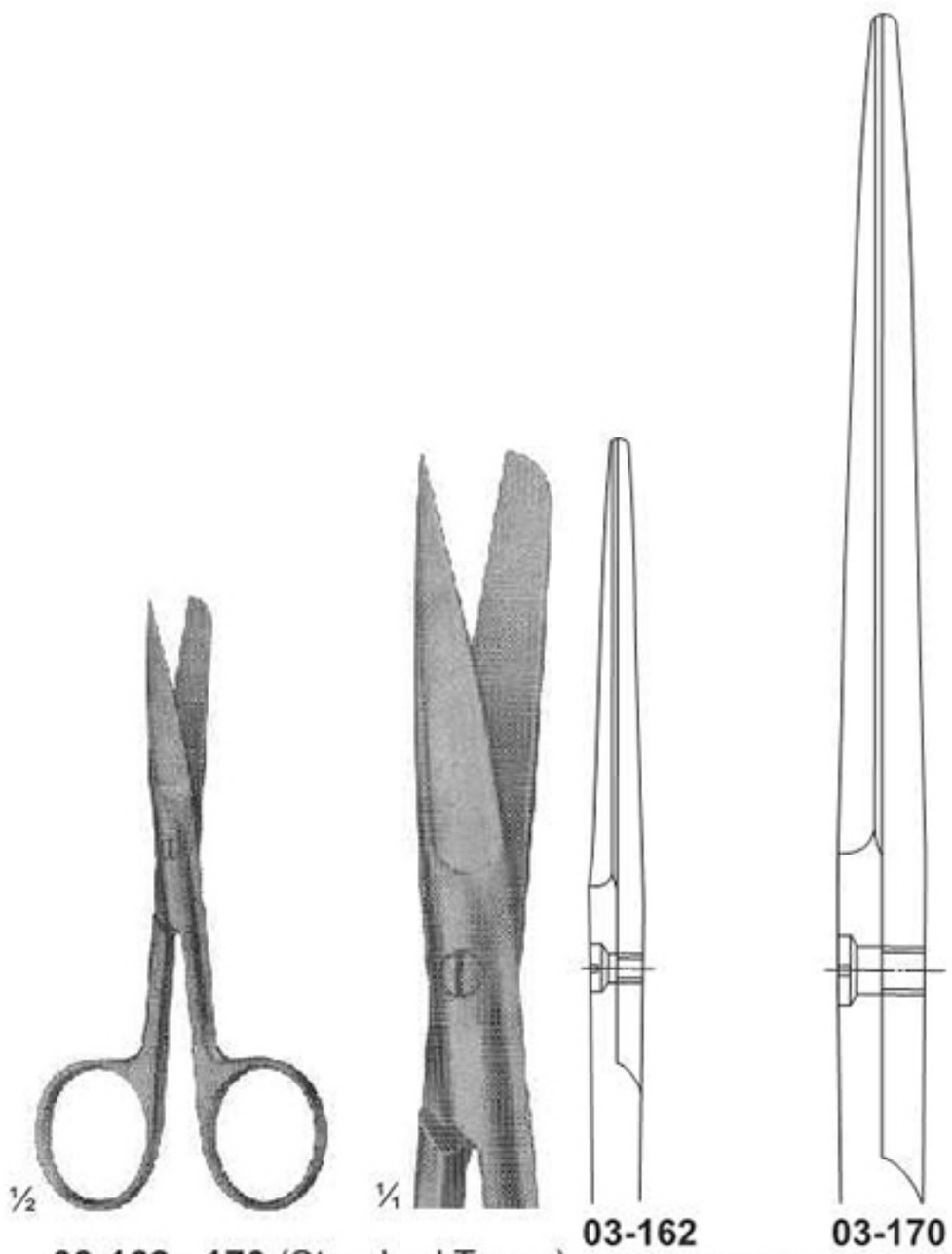


**03-160**
QUINBY
Size: 130 mm



**03-161**
Size: 110 mm

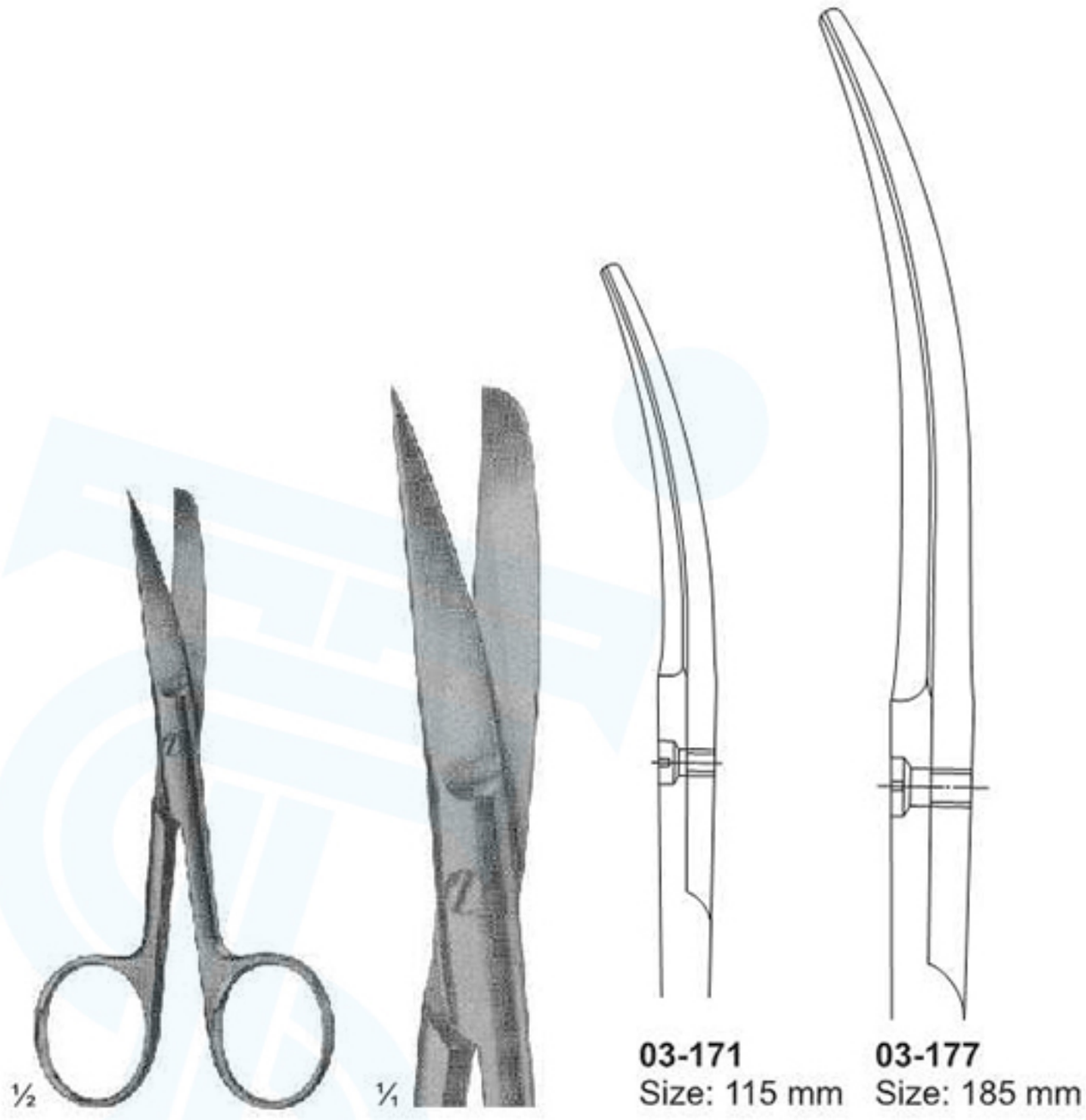
# Surgical Scissors




**03-162 - 170** (Standard Types)
**03-162** ( 105 mm )
**03-163** ( 115 mm )
**03-164** ( 130 mm )
**03-165** ( 145 mm )
**03-166** ( 150 mm )
**03-167** ( 165 mm )
**03-168** ( 175 mm )
**03-169** ( 185 mm )
**03-170** ( 200 mm )

**03-162** Size: 105 mm

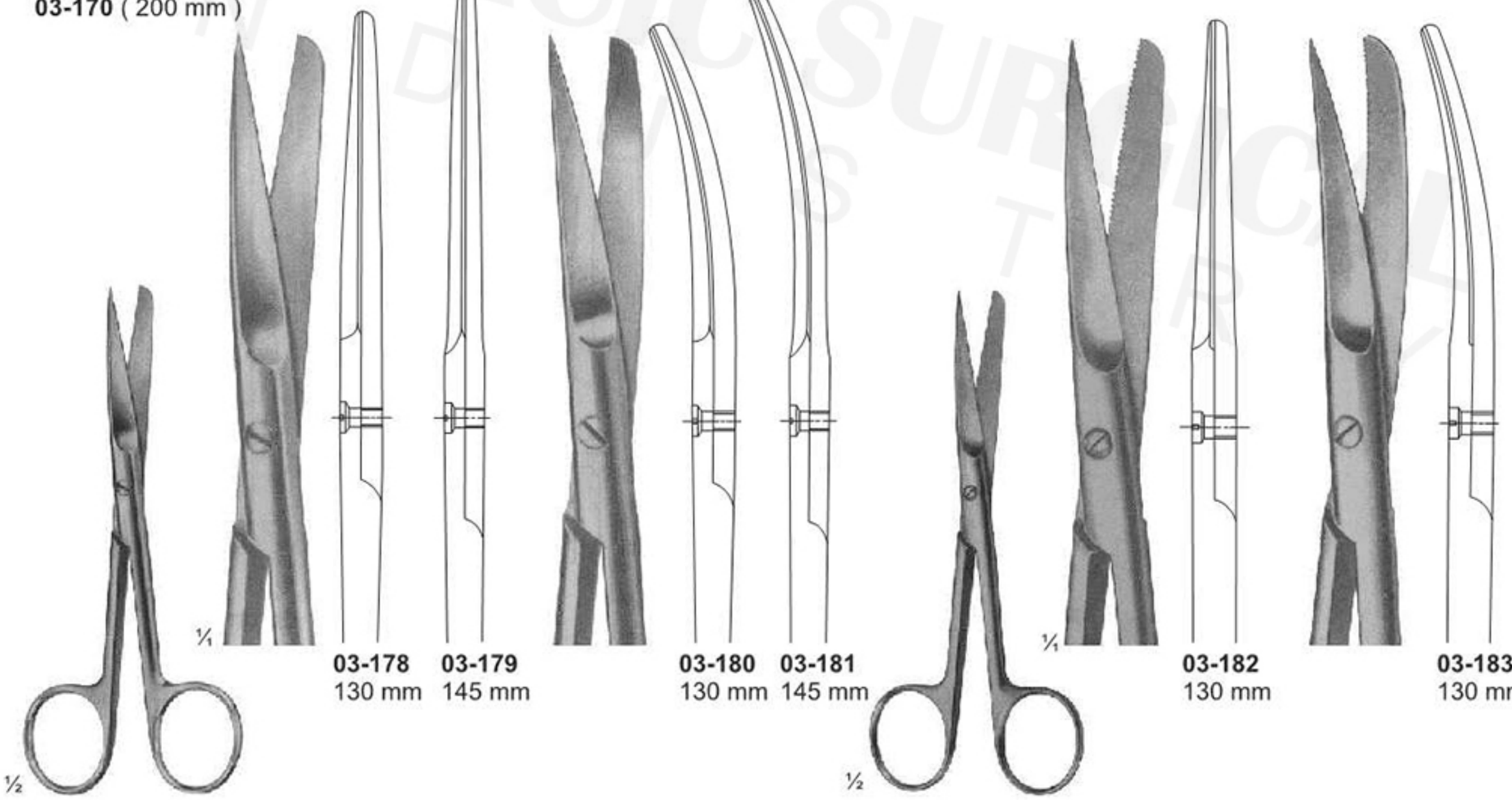
**03-170** Size: 200 mm




**03-171 - 177** (Standard Types)
**03-171** ( 115 mm )
**03-172** ( 130 mm )
**03-173** ( 145 mm )
**03-174** ( 150 mm )
**03-175** ( 165 mm )
**03-176** ( 175 mm )
**03-177** ( 185 mm )

**03-171** Size: 115 mm

**03-177** Size: 185 mm




**03-178 - 181**
Slender Types

**03-178** 130 mm

**03-179** 145 mm

**03-180** 130 mm

**03-181** 145 mm




**03-182 - 183**
For Wound Edges
1 Blade Serrated

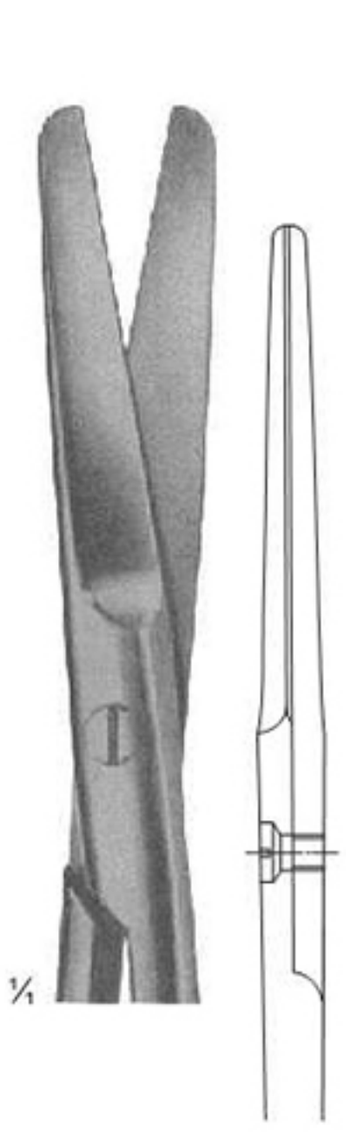
**03-182** 130 mm

**03-183** 130 mm

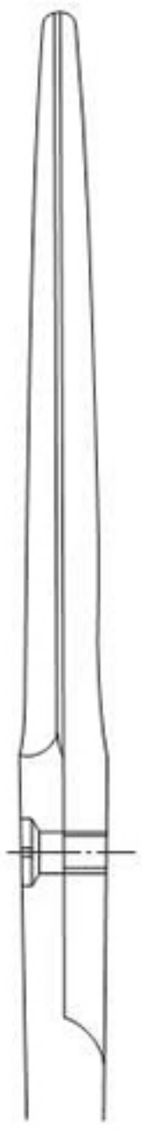
HORACIO SURGICAL INSTRUMENTS

# 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**
**Size:** 130 mm

**03-188**
Size: 175 mm









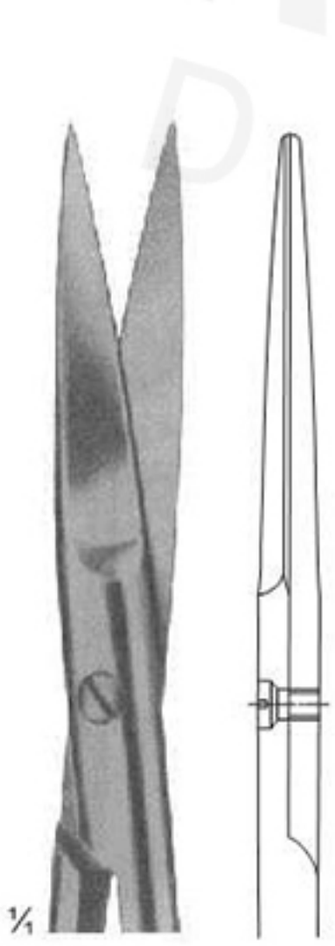


**03-189 - 194 -** COOPER
Standard Types
**03-189** ( 115 mm )
**03-190** ( 130 mm )
**03-191** ( 145 mm )
**03-192** ( 150 mm )
**03-193** ( 165 mm )
**03-194** ( 175 mm )

**03-189**
Size: 115 mm

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

**03-199**
Size: 165 mm







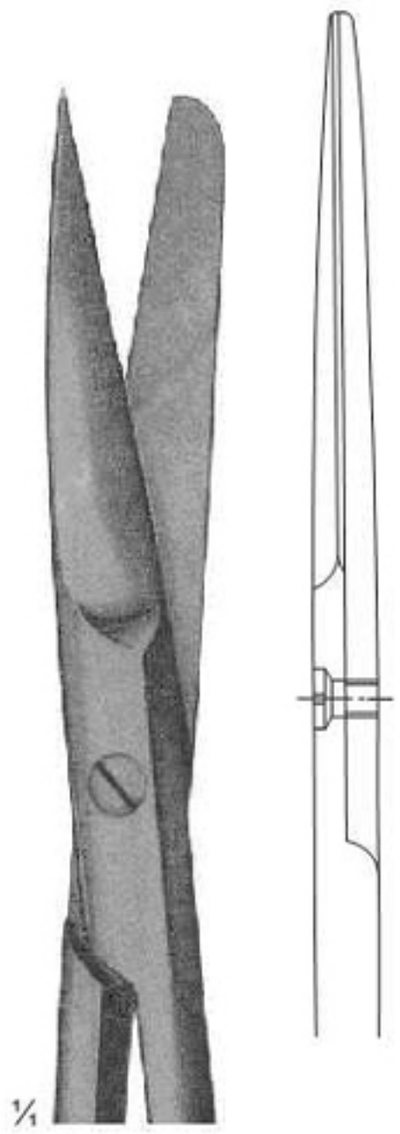

**03-200 - 203**
Standard Types
**03-200** ( 115 mm )
**03-201** ( 130 mm )
**03-202** ( 145 mm )
**03-203** ( 150 mm )

**03-200**
Size: 115 mm

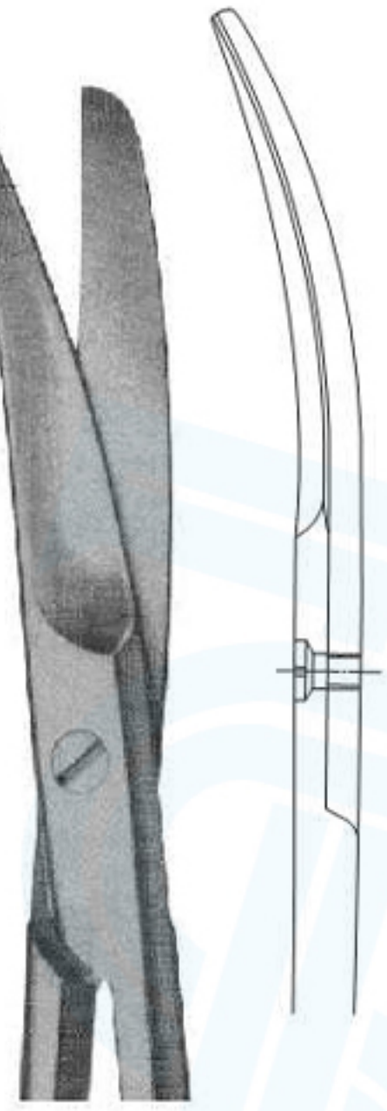
**03-203**
Size: 150 mm

THORACIC SURGICAL INSTRUMENTS

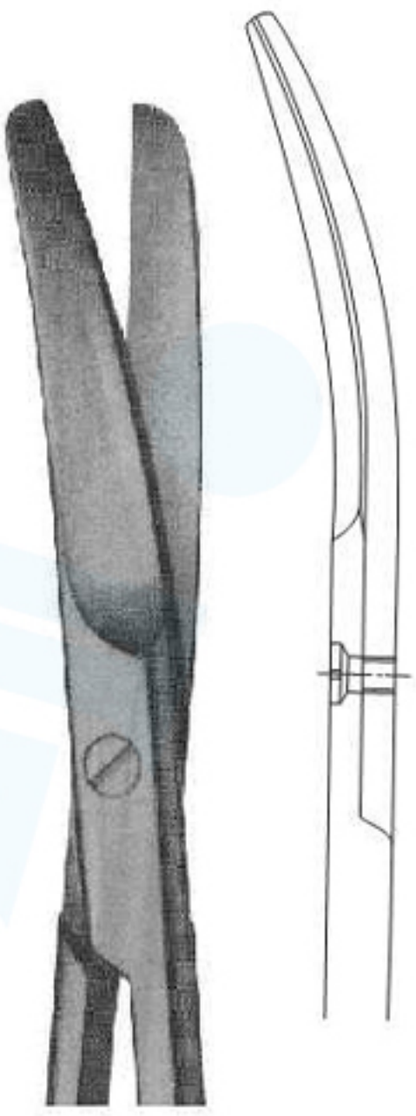
# Surgical Scissors



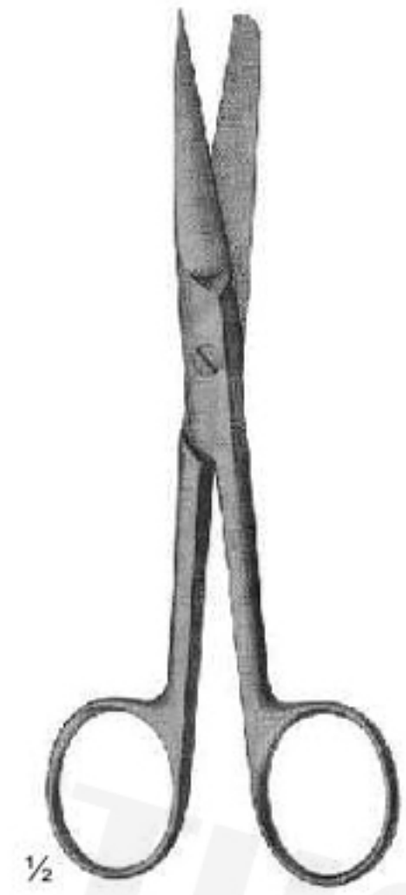
**03-204**
Size: 145 mm



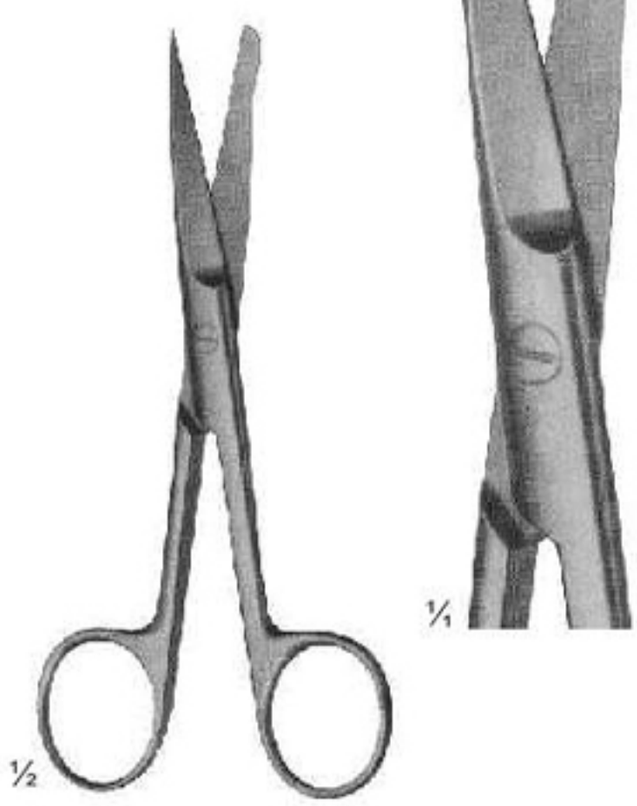
**03-205**
Size: 145 mm



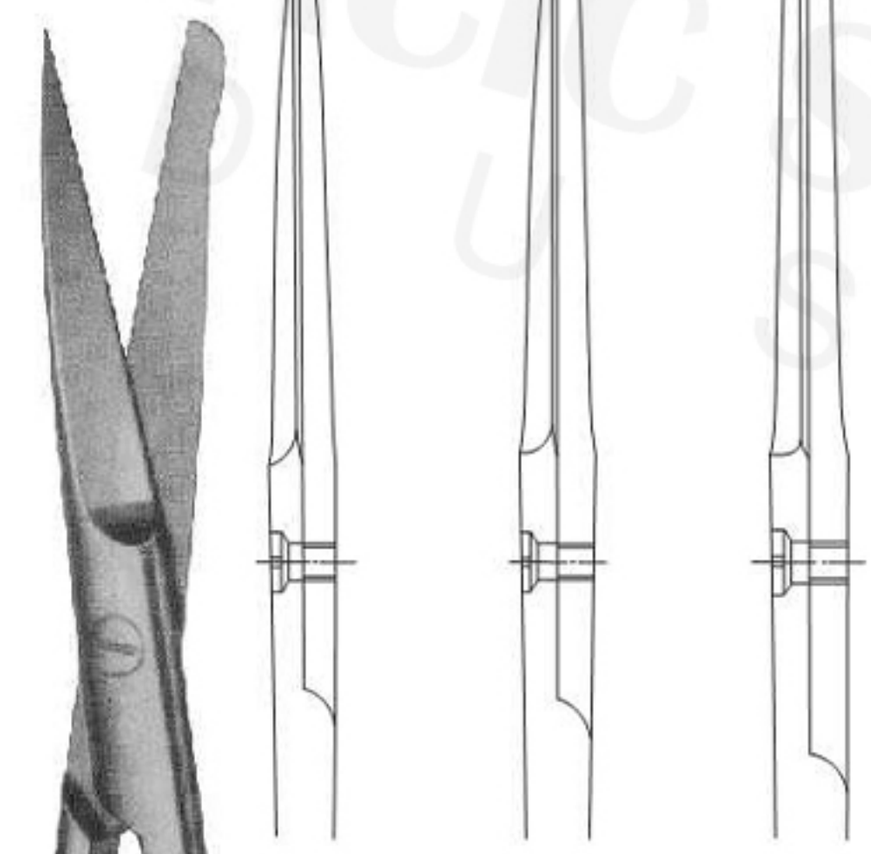
**03-206**
Size: 145 mm



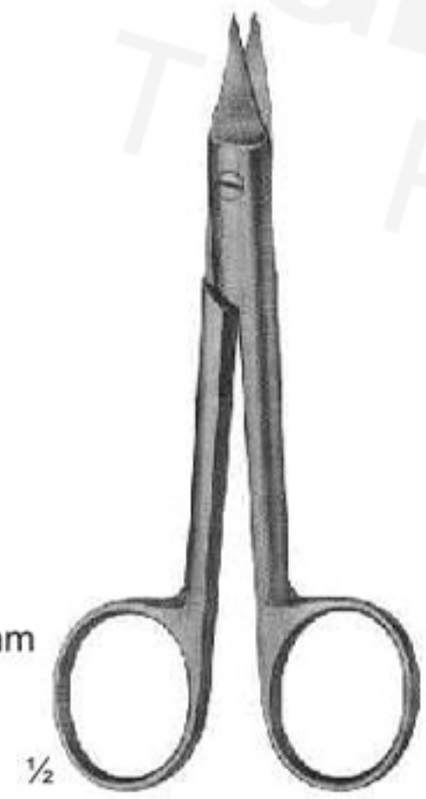
**03-204 - 206**
DEAVER
With flat lock



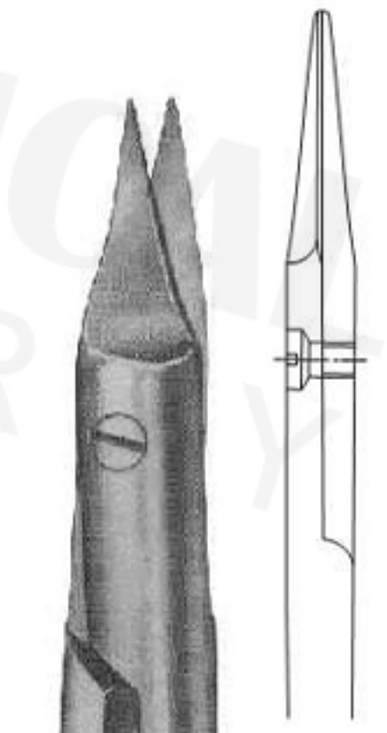
**03-207 - 209**
Incision Scissors



**03-207** Size: 130 mm
**03-208** Size: 145 mm
**03-209** Size: 165 mm



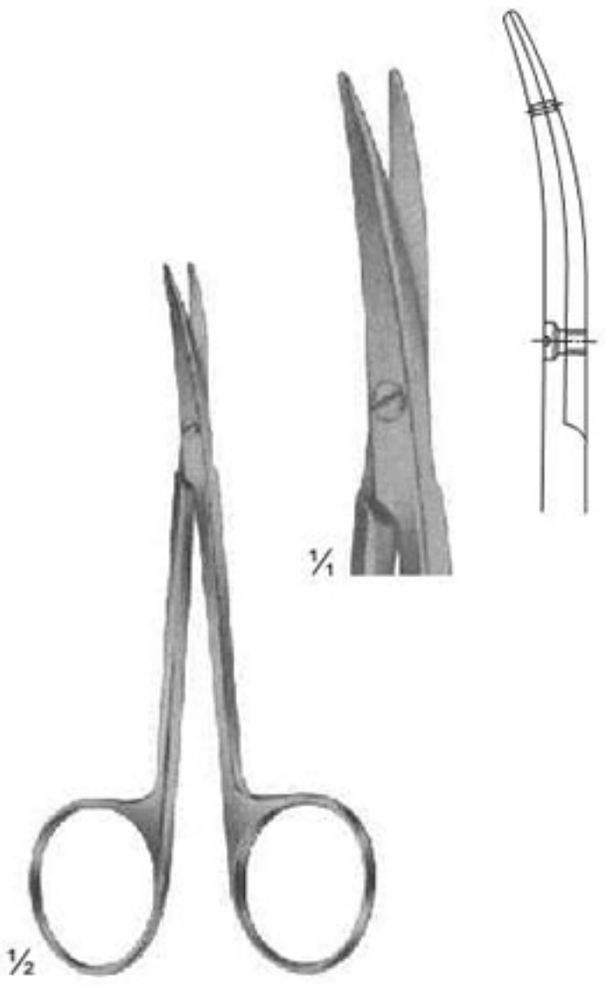
**03-210**
SYSTRUNK
Nail Splitting Scissors



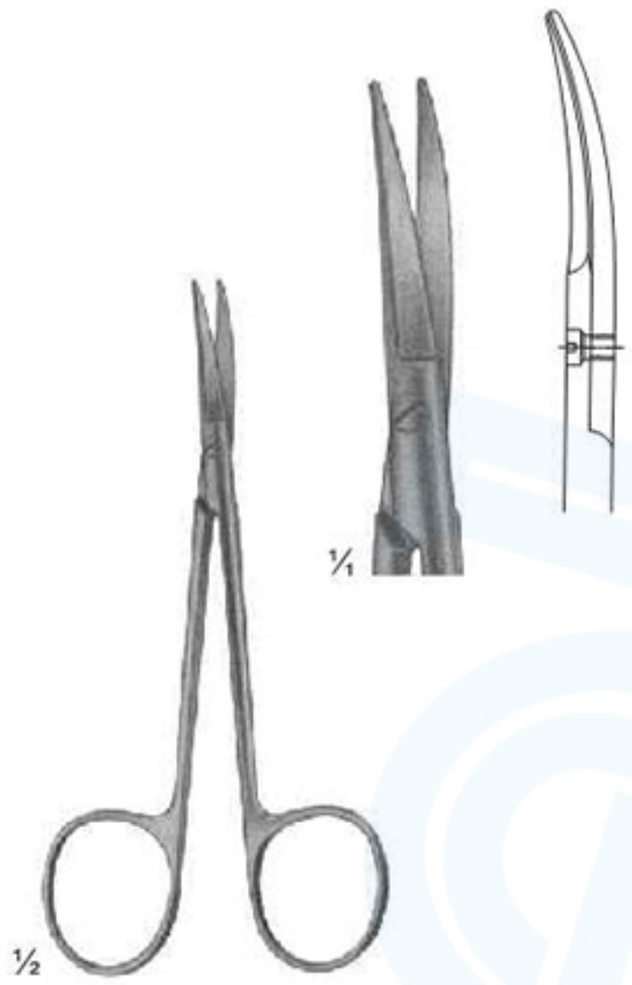
**03-210**
Size: 130 mm

THORACIC SURGICAL INSTRUMENTS

# Dissecting Scissors




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



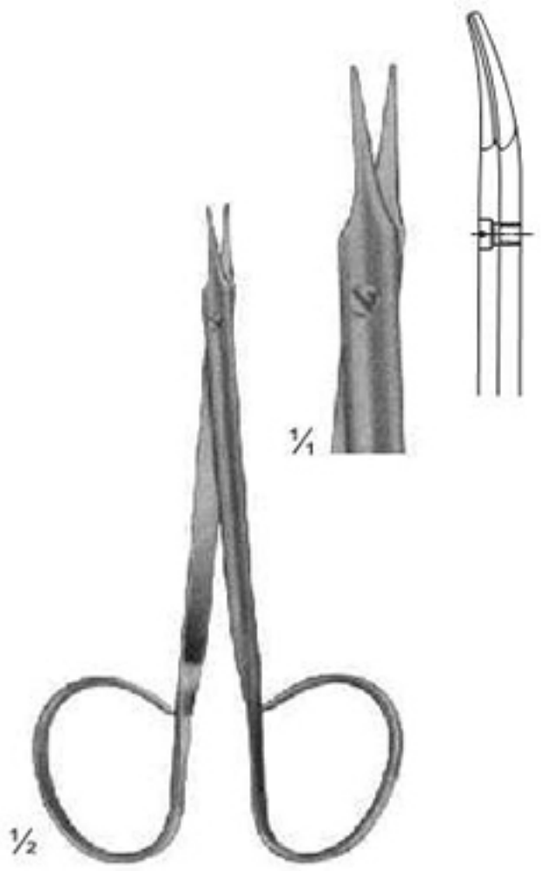

**03-212**
COTTLE
Buldog Scissors
Size: 115 mm



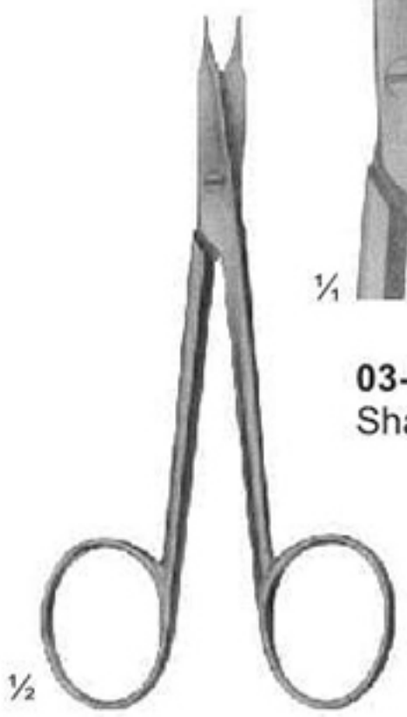

**03-213**
Size: 100 mm

**03-214**
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**
Sharp

**03-217**
Sharp

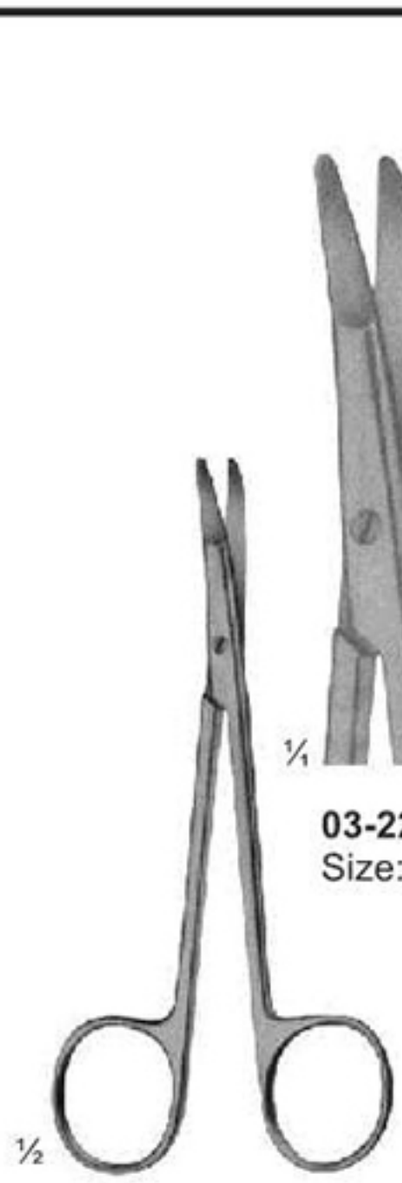
**03-218**
Blunt

**03-219**
Blunt

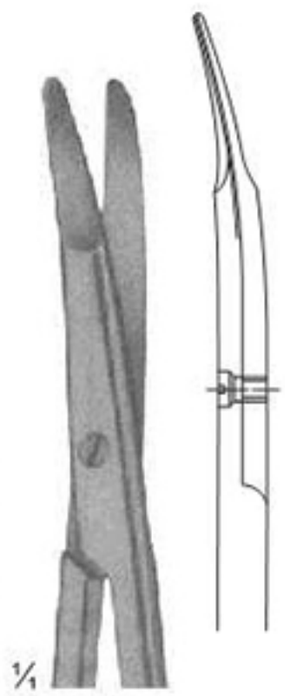
**03-216 - 219**
STEVENS
Vessel and tendon Scissors
Size: 110 mm

THORACIC SURGICAL INDUSTRY

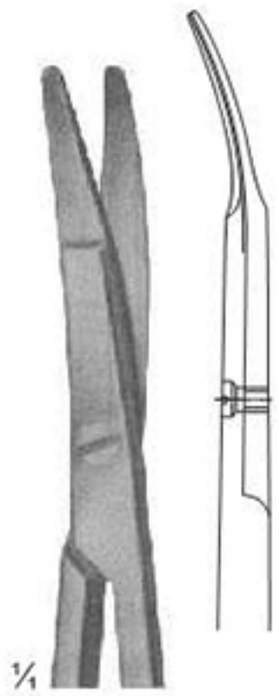
# Dissecting Scissors



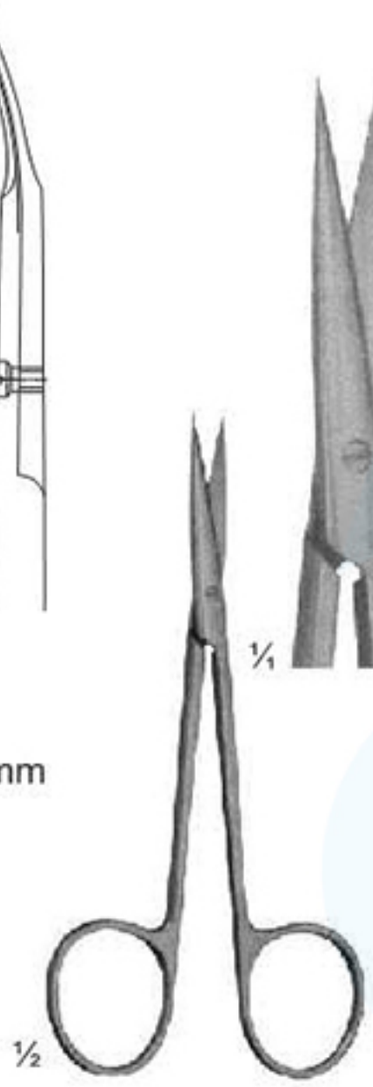
**03-220 - 221**
KILNER
Special flat points for dissecting and undermining the skin



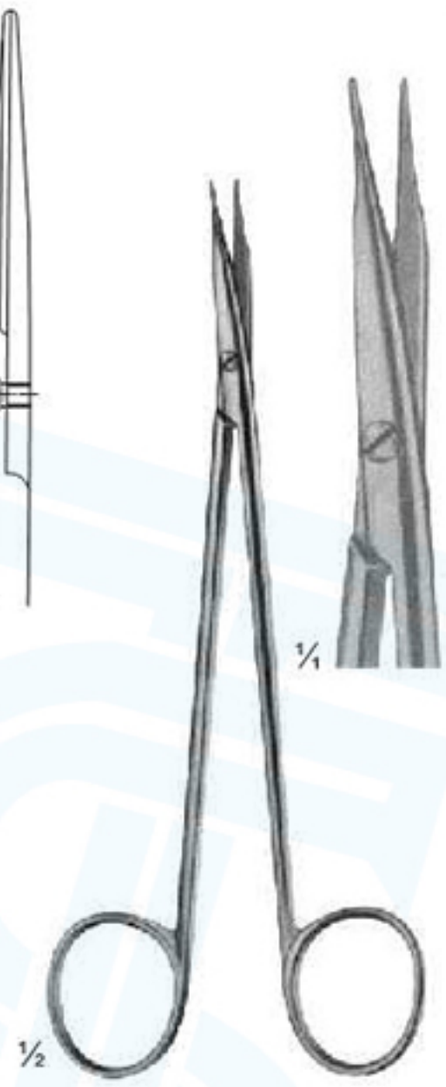
**03-220**
Size: 125 mm



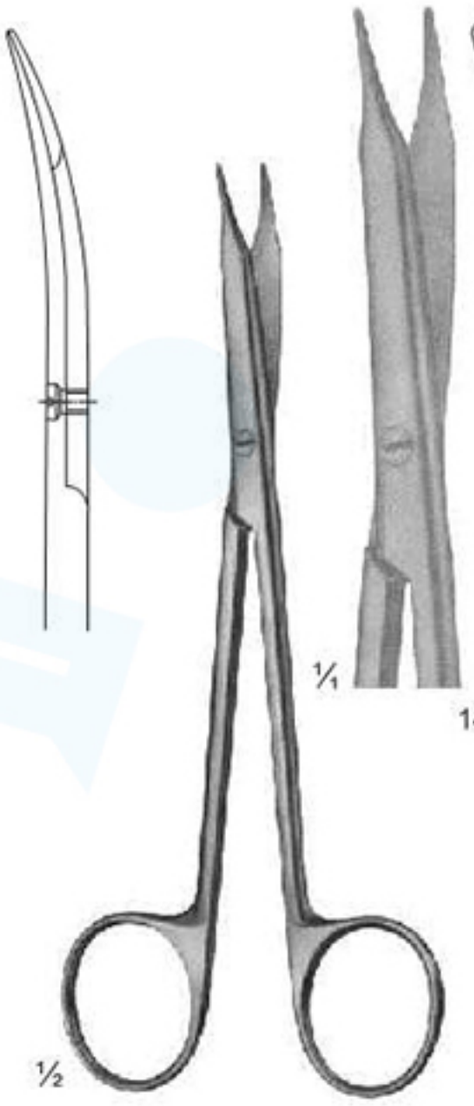
**03-221**
Size: 150 mm



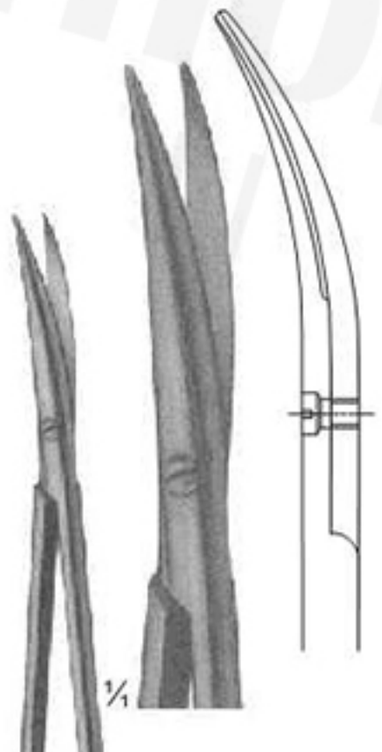
**03-222**
KILNER
Fine dissecting scissors
Size: 115 mm



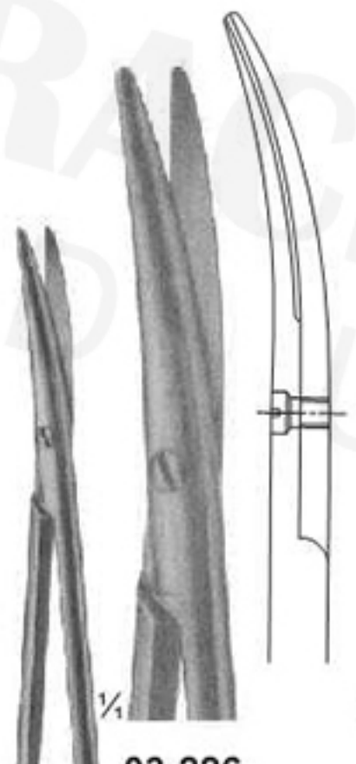
**03-223**
JAMESON
Dissecting scissors
Size: 150 mm



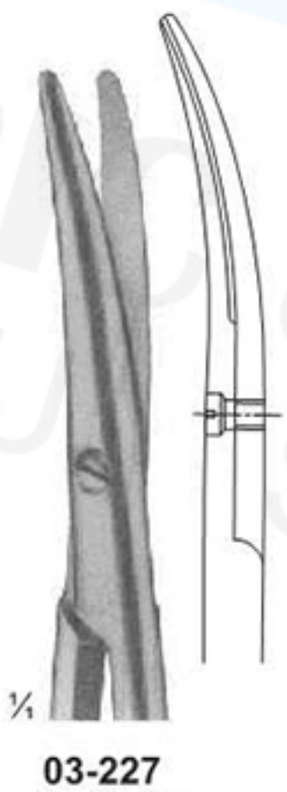
**03-224**
REYNOLDS
Dissecting scissors
Size: 145 - 175 mm



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

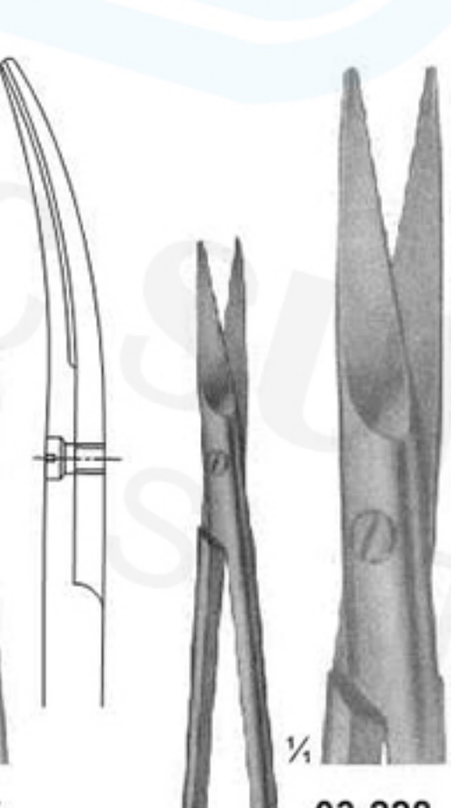


**03-226**
Very delicate

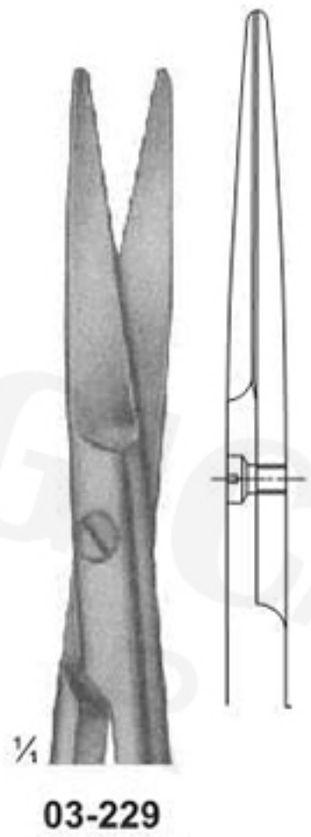


**03-227**
Delicate

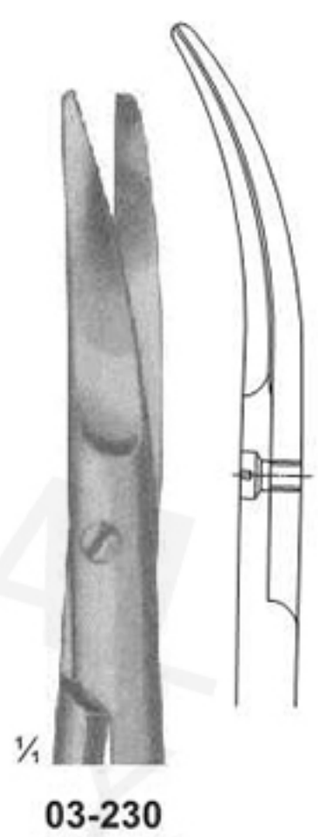
**03-226 - 227**
TOENNIS ADSON
Dissecting scissors
Size: 175 mm



**03-228**
Very delicate



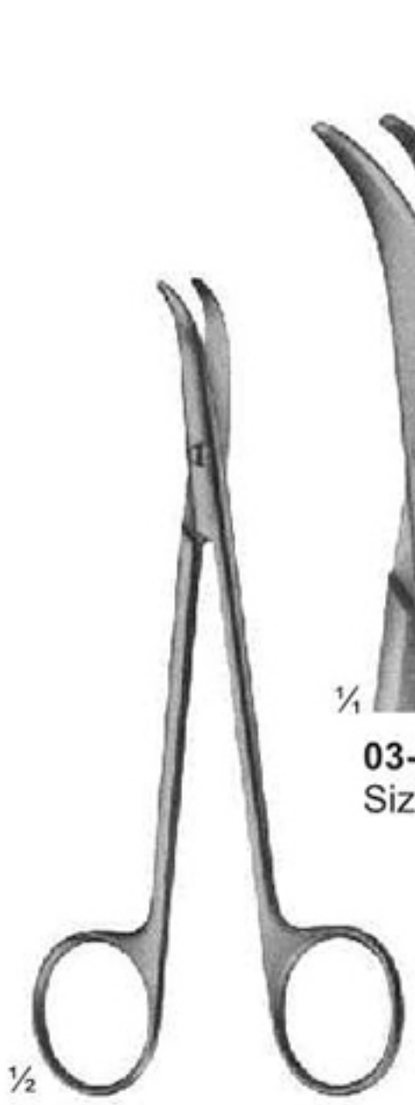
**03-229**
Delicate



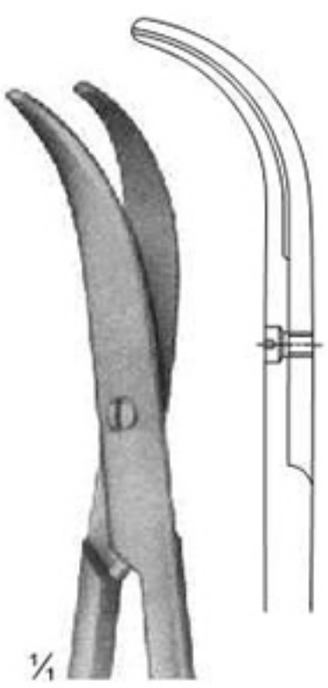
**03-230**
Delicate

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

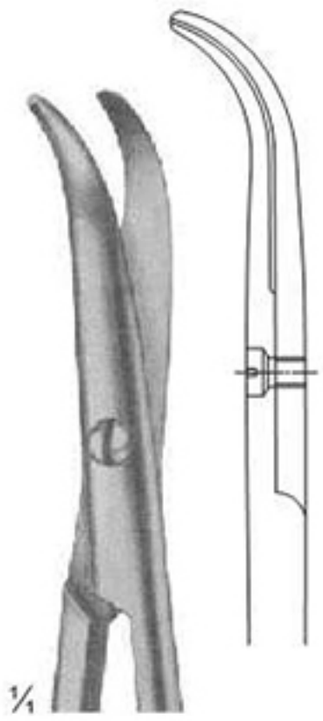
# Dissecting & Surgical Scissors



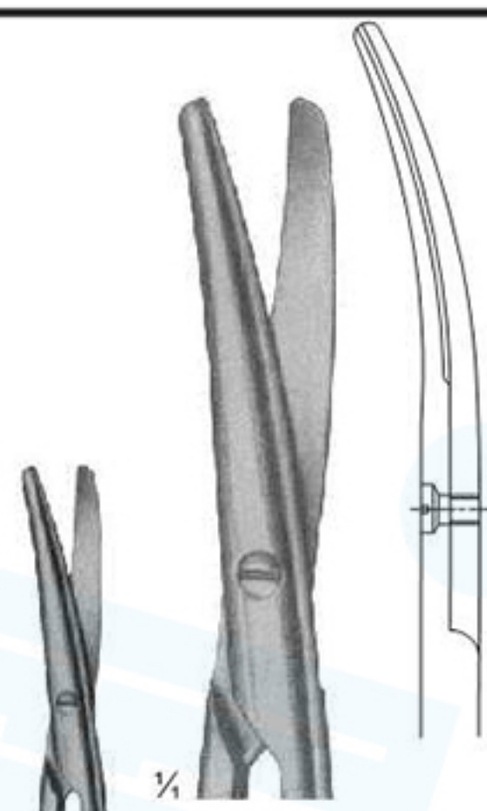
**03-231 - 232**
FOMON
Lower lateral scissors



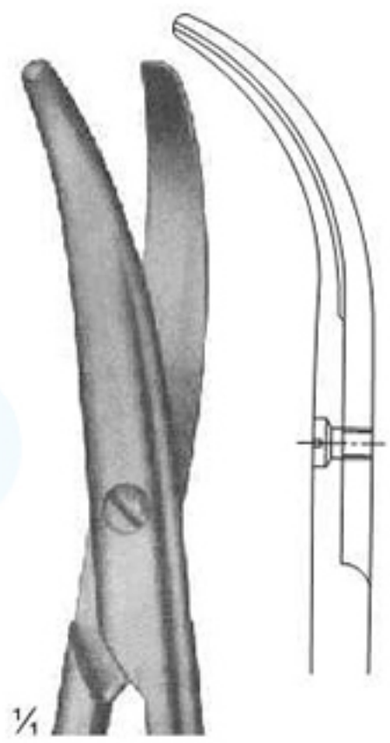
**03-231**
Size: 115 mm



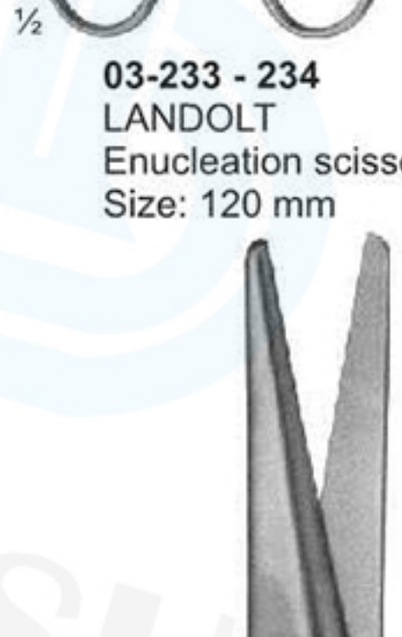
**03-232**
Size: 135 mm



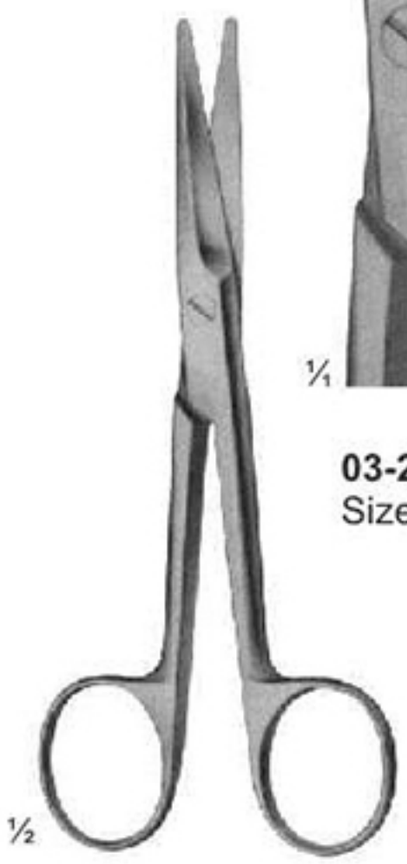
**03-233**



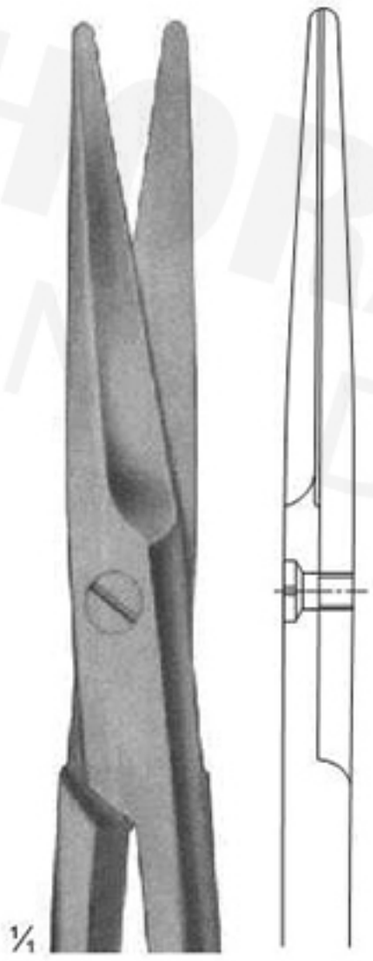
**03-234**



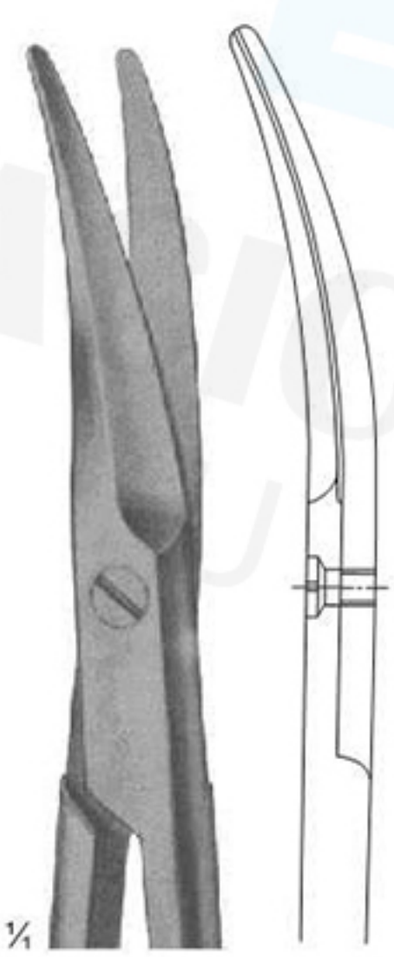
**03-233 - 234**
LANDOLT
Enucleation scissors
Size: 120 mm



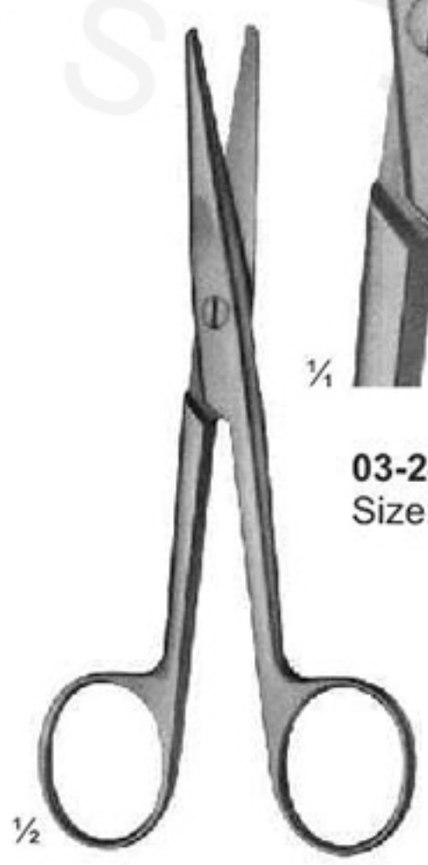
**03-235 - 237**
MAYO
**03-235** (140 mm)
**03-236** (155 mm)
**03-237** (170 mm)



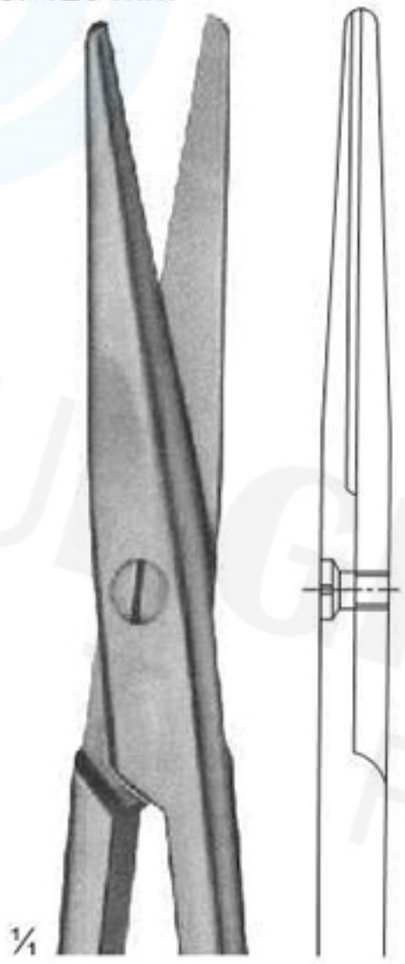
**03-235**
Size: 140 mm



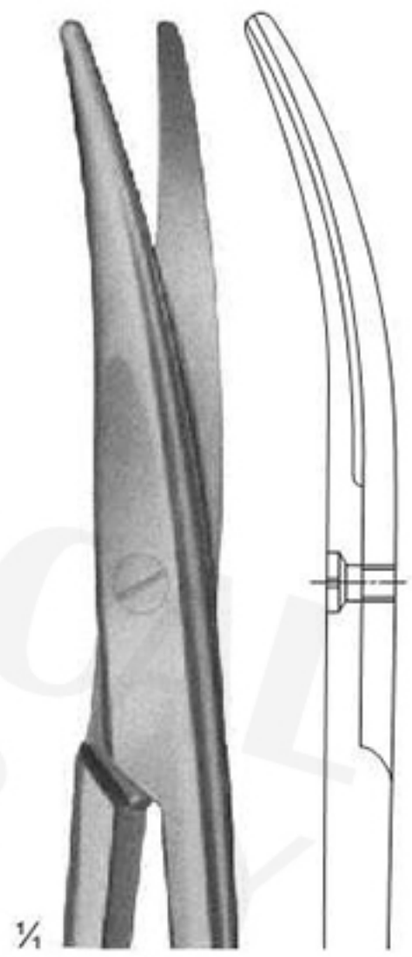
**03-238 - 240**
MAYO
**03-238** (140 mm)
**03-239** (155 mm)
**03-240** (170 mm)



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

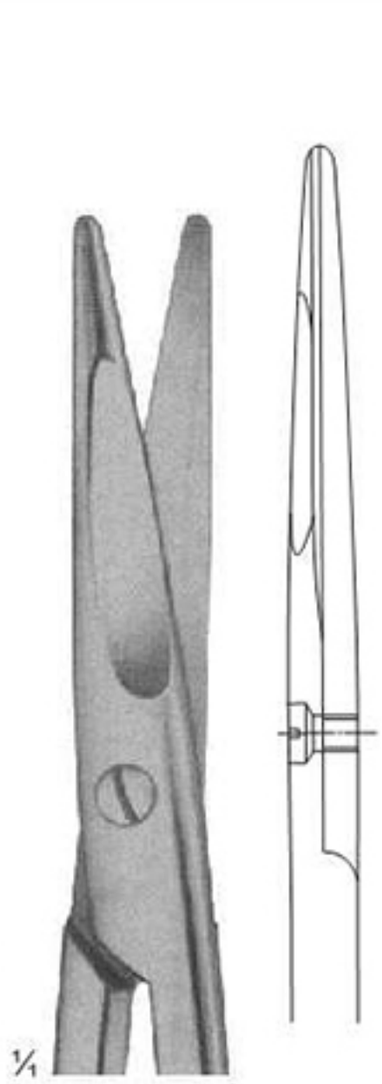


**03-241**
Size: 140 mm



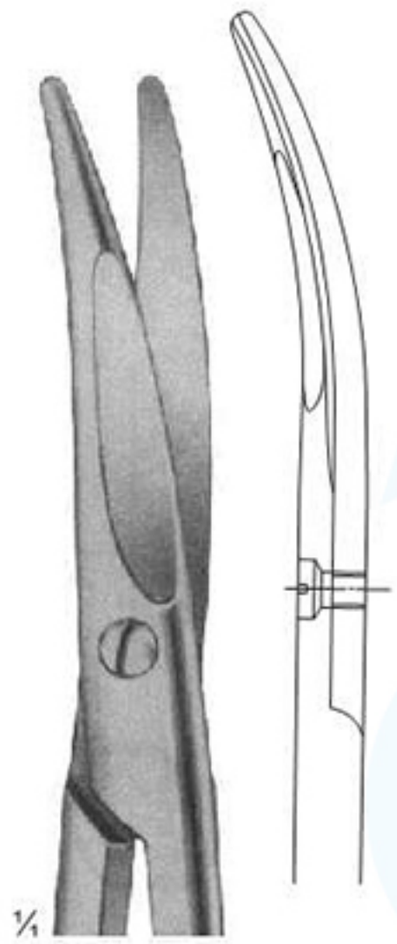
**03-243 - 244**
MAYO-STILLE
**03-243** (140 mm)
**03-244** (170 mm)

# Dissecting Scissors



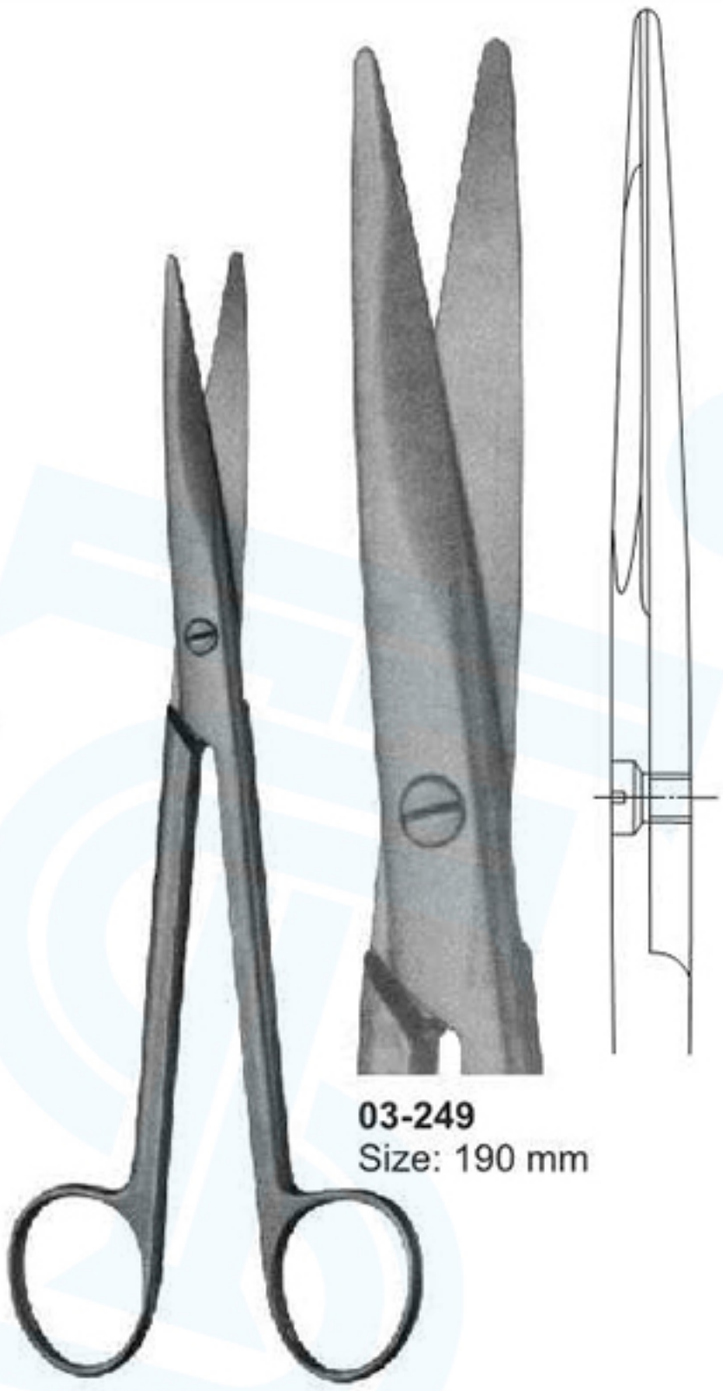
1/1

**03-245**
Size: 140 mm

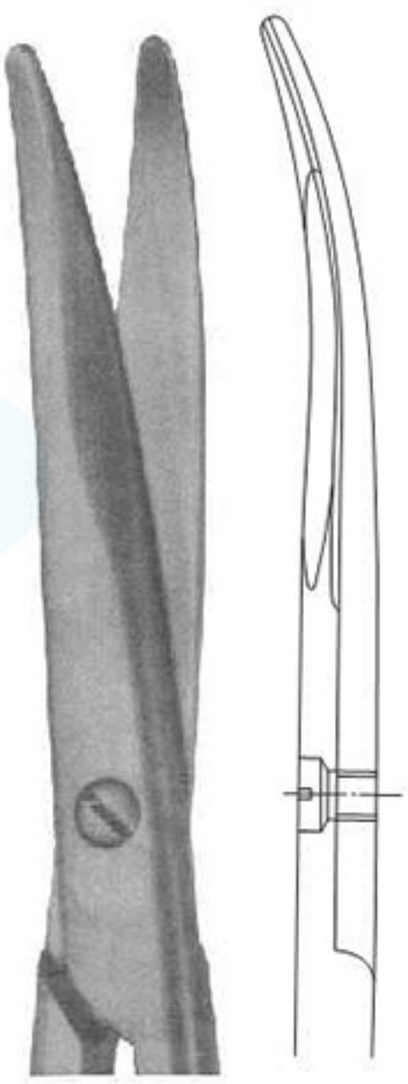


1/1

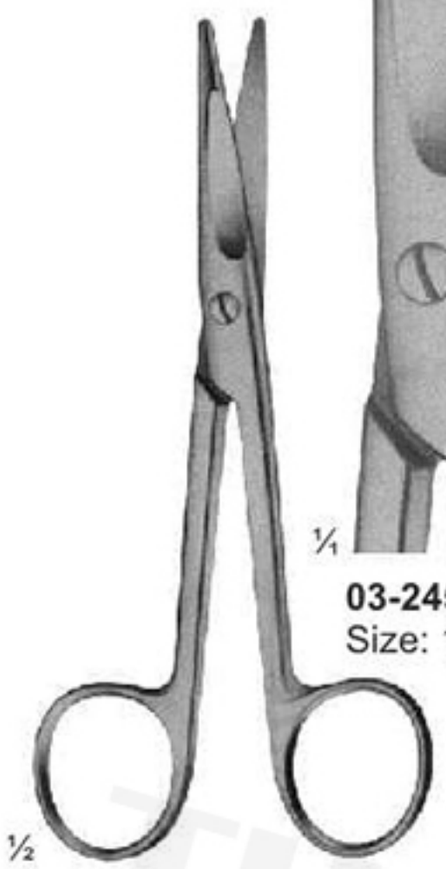
MAYO-STILLE
**03-247 - 248**
Size: 140 mm
**03-248**
Size: 170 mm



**03-249**
Size: 190 mm



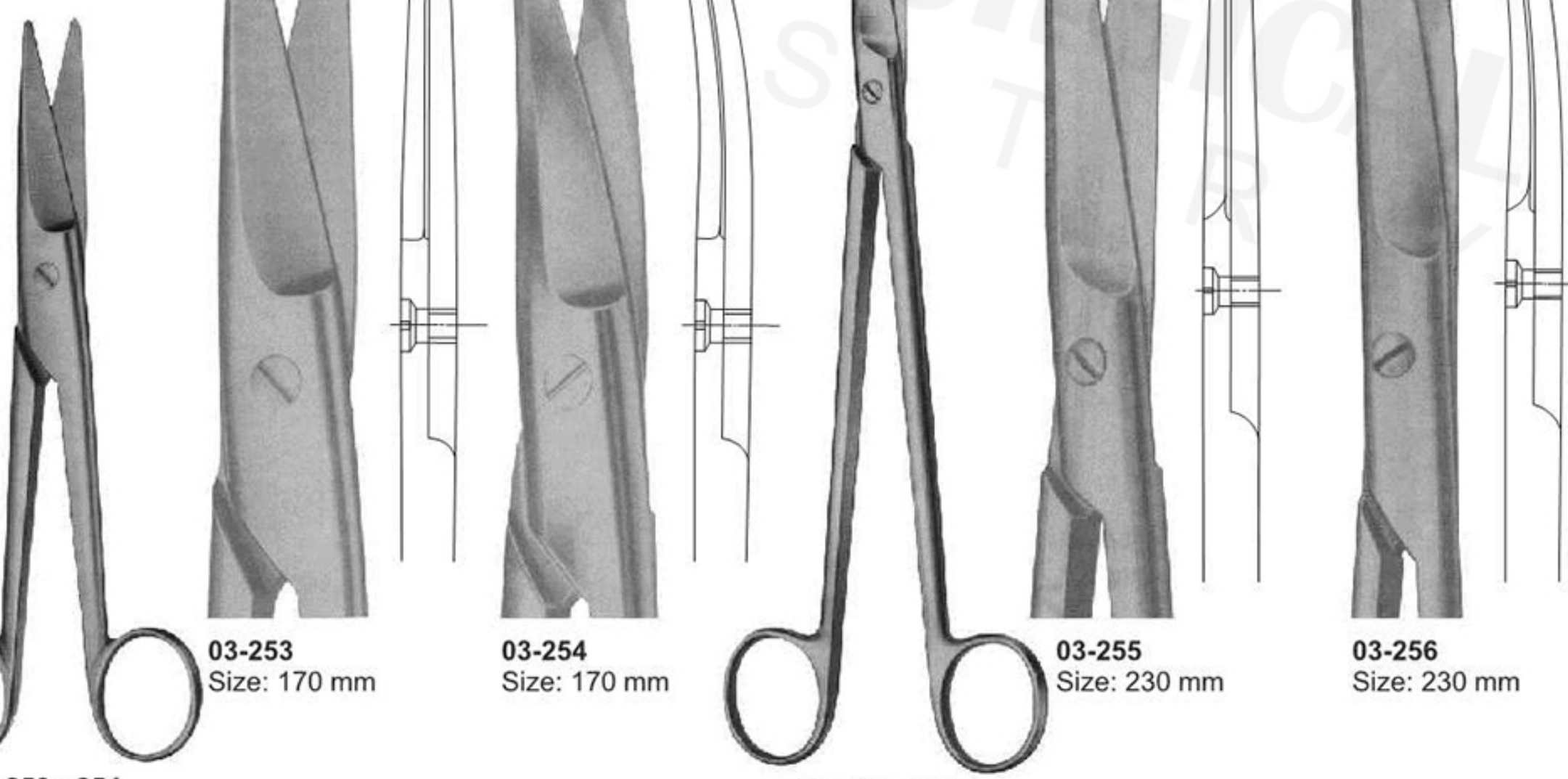
MAYO
**03-251**
Size: 190 mm
**03-252**
Size: 215 mm



½

**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

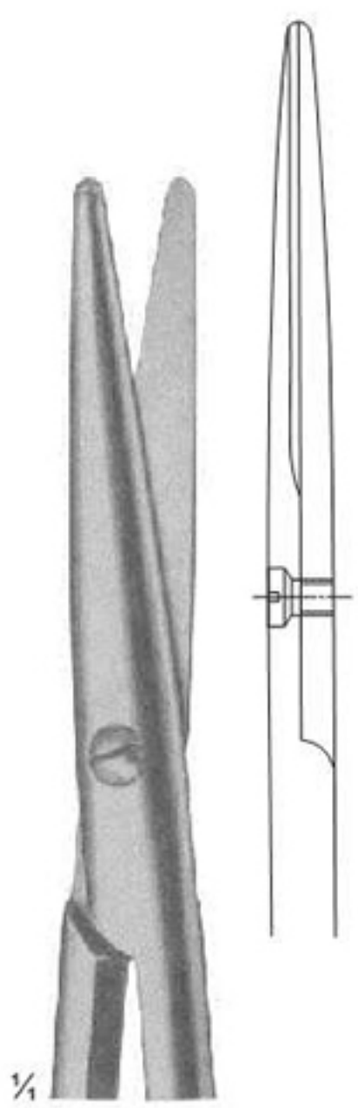
**03-255**
Size: 230 mm

**03-256**
Size: 230 mm

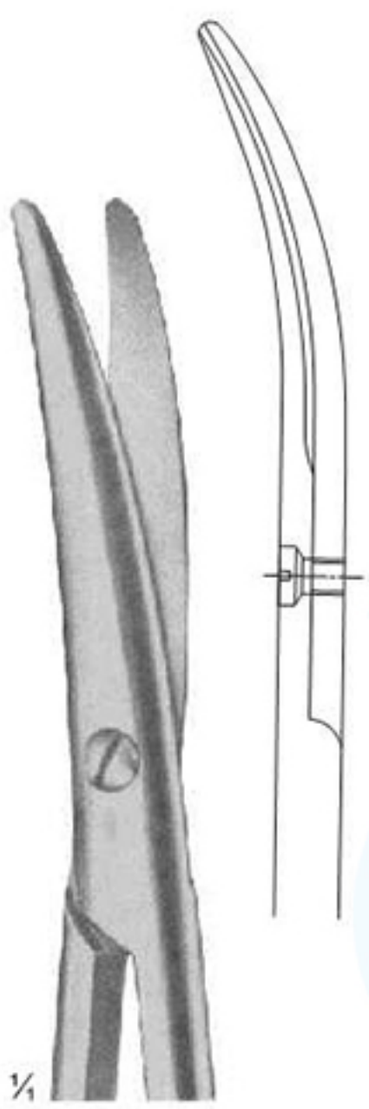
**03-253 - 254**
MAYO-NOBLE
Broad pattern

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

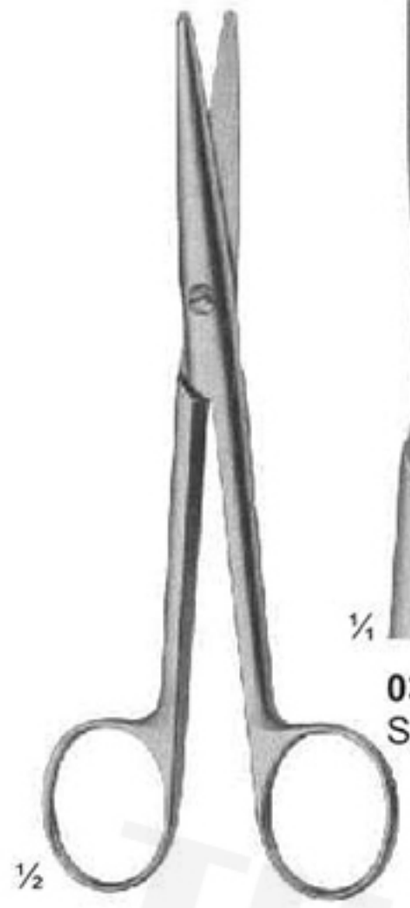
# Dissecting Scissors



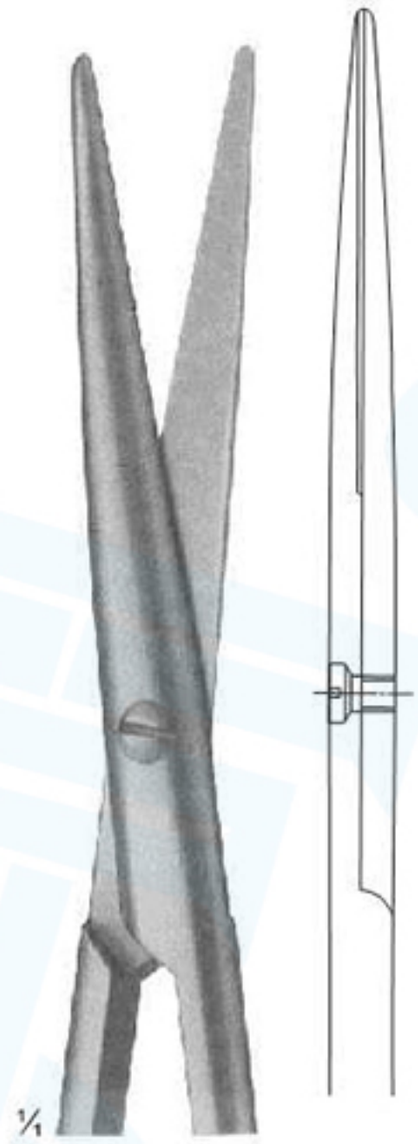
**03-257**
Size: 150 mm



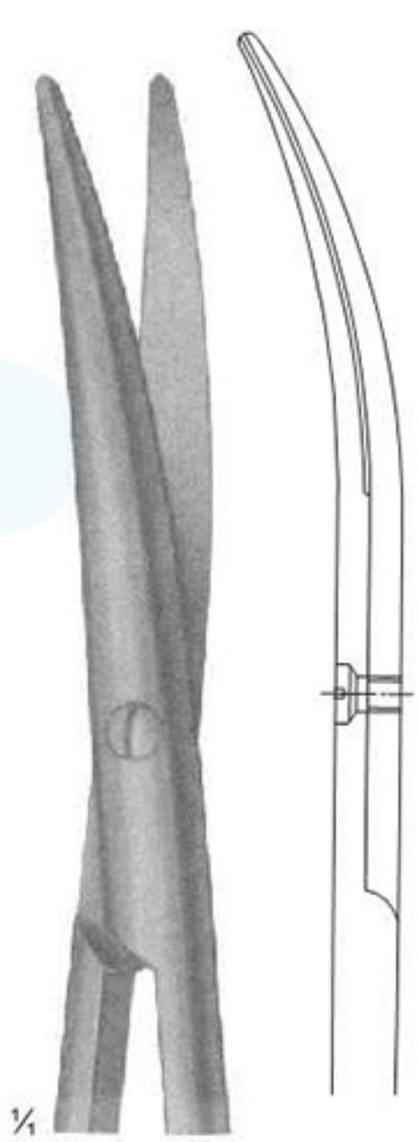
**03-258**
Size: 150 mm



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



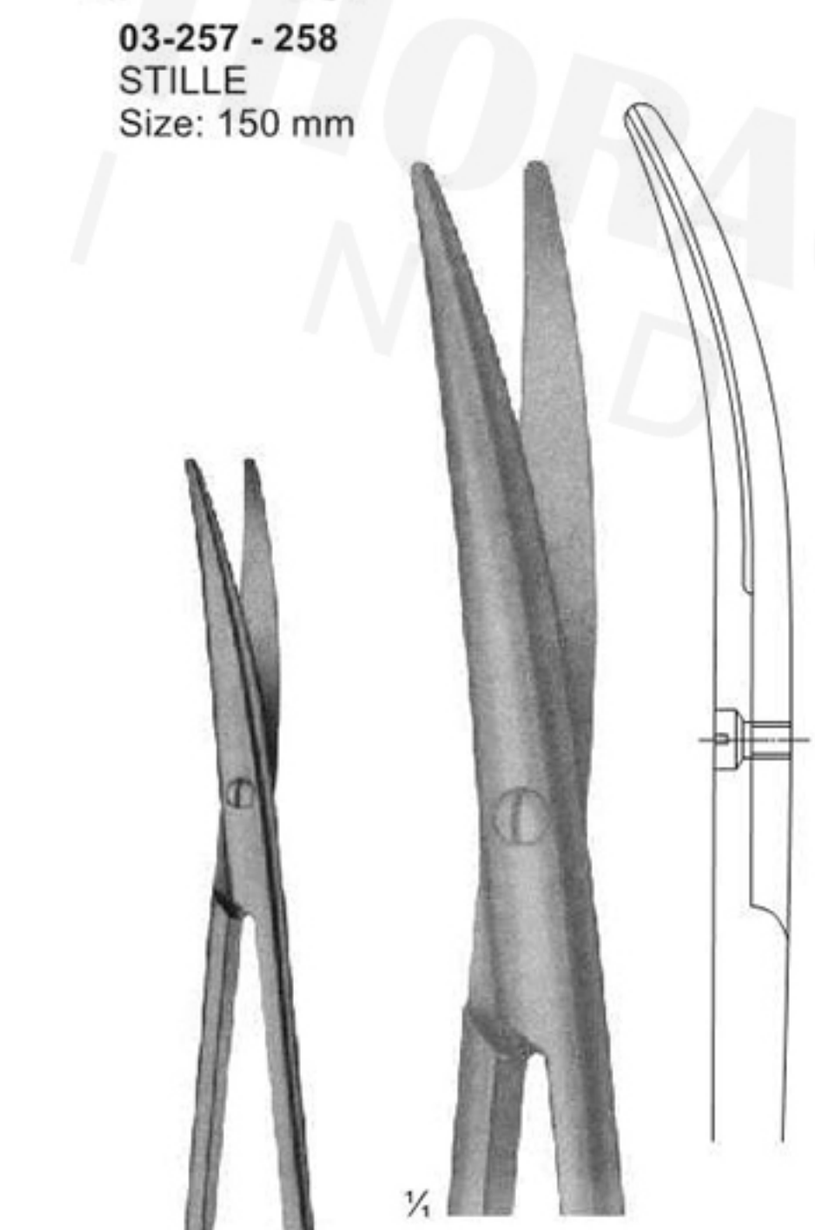
**03-259**
Size: 165 mm



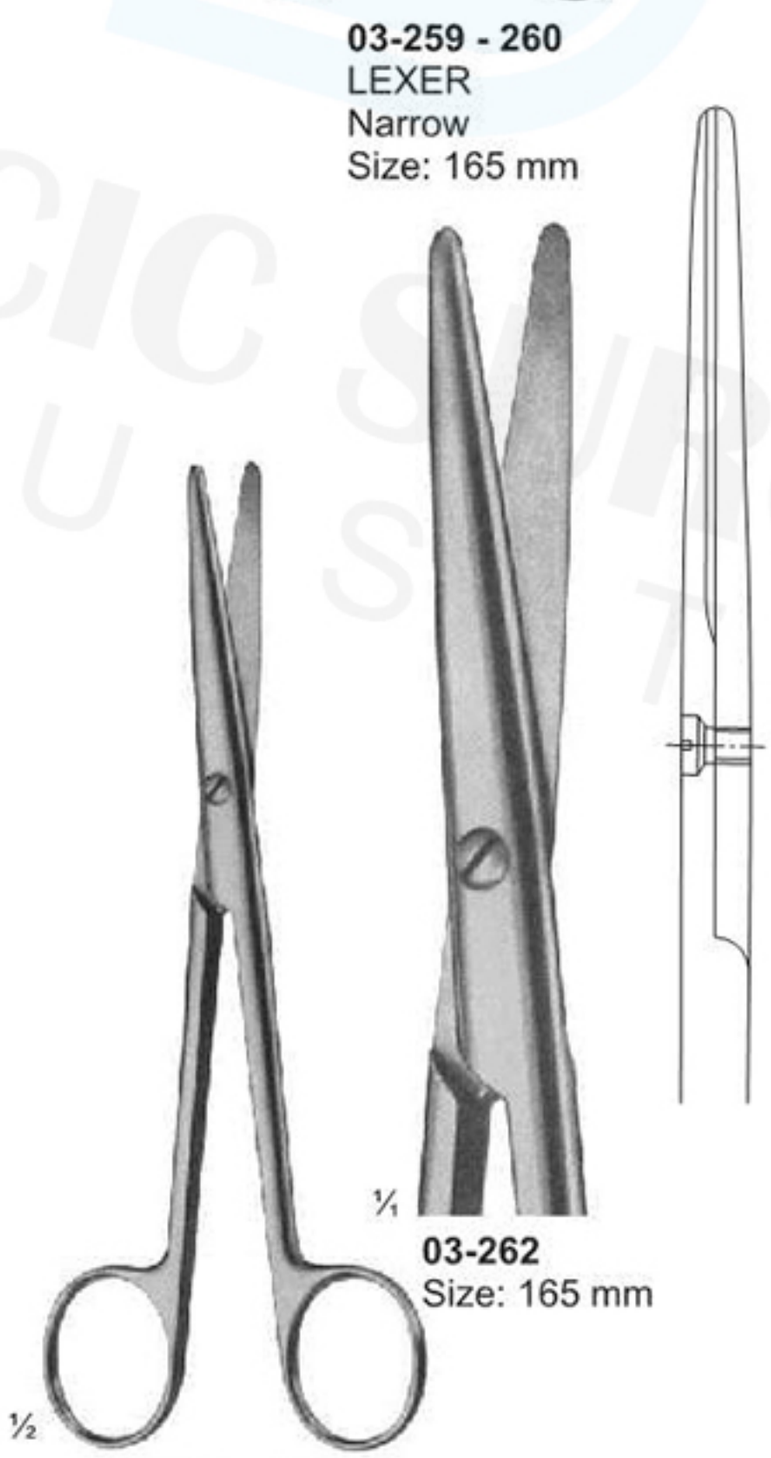
**03-260**
Size: 165 mm



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



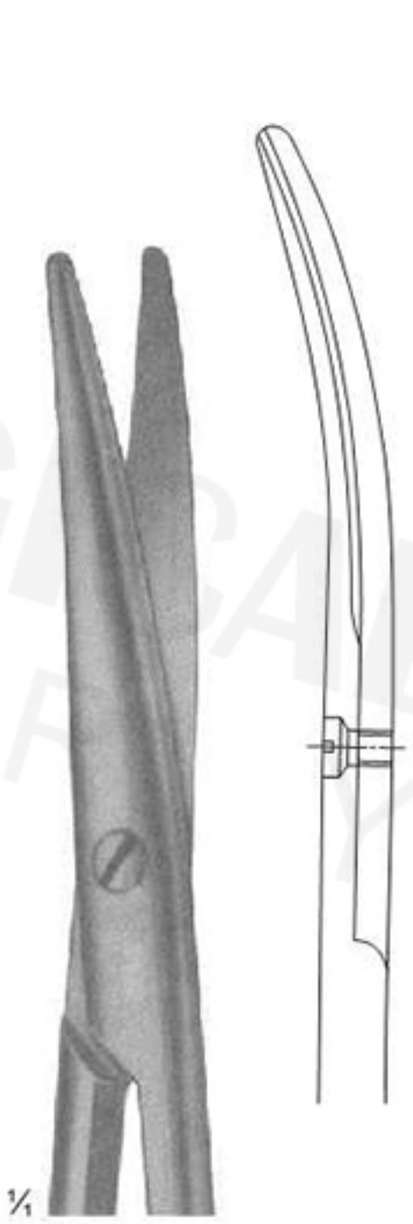
**03-261**
MAYO-LEXER
Standard



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



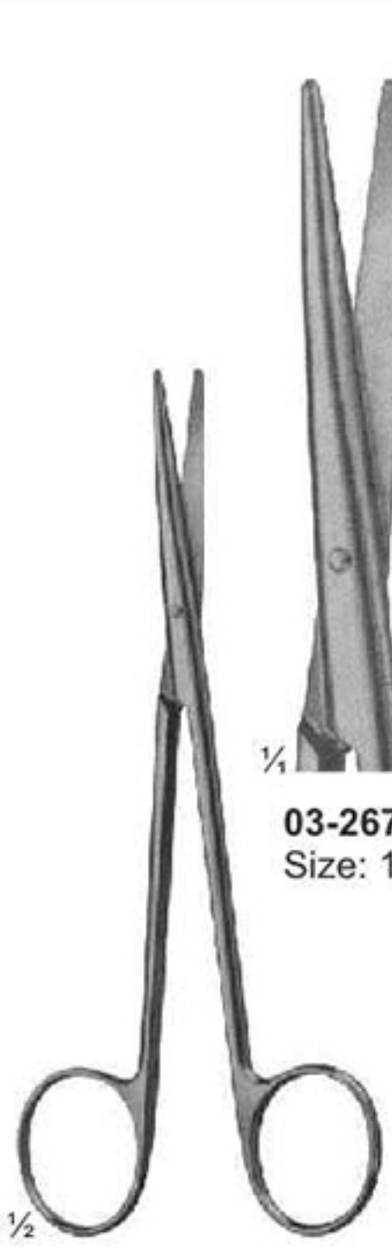
**03-262**
Size: 165 mm



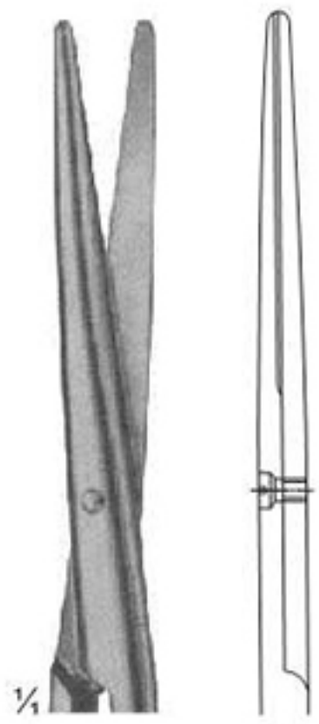
MAYO
**03-264 - 266**
Size: 165 mm

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

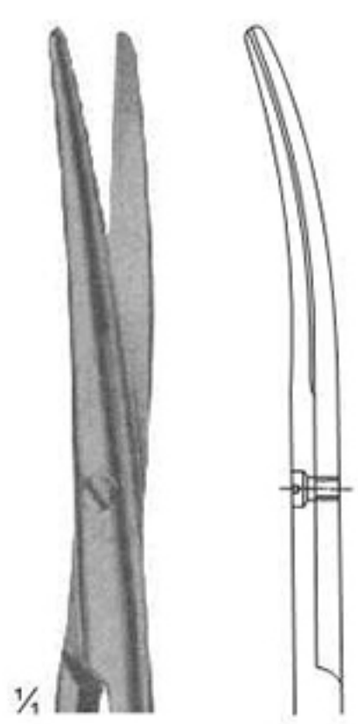
# Dissecting Scissors



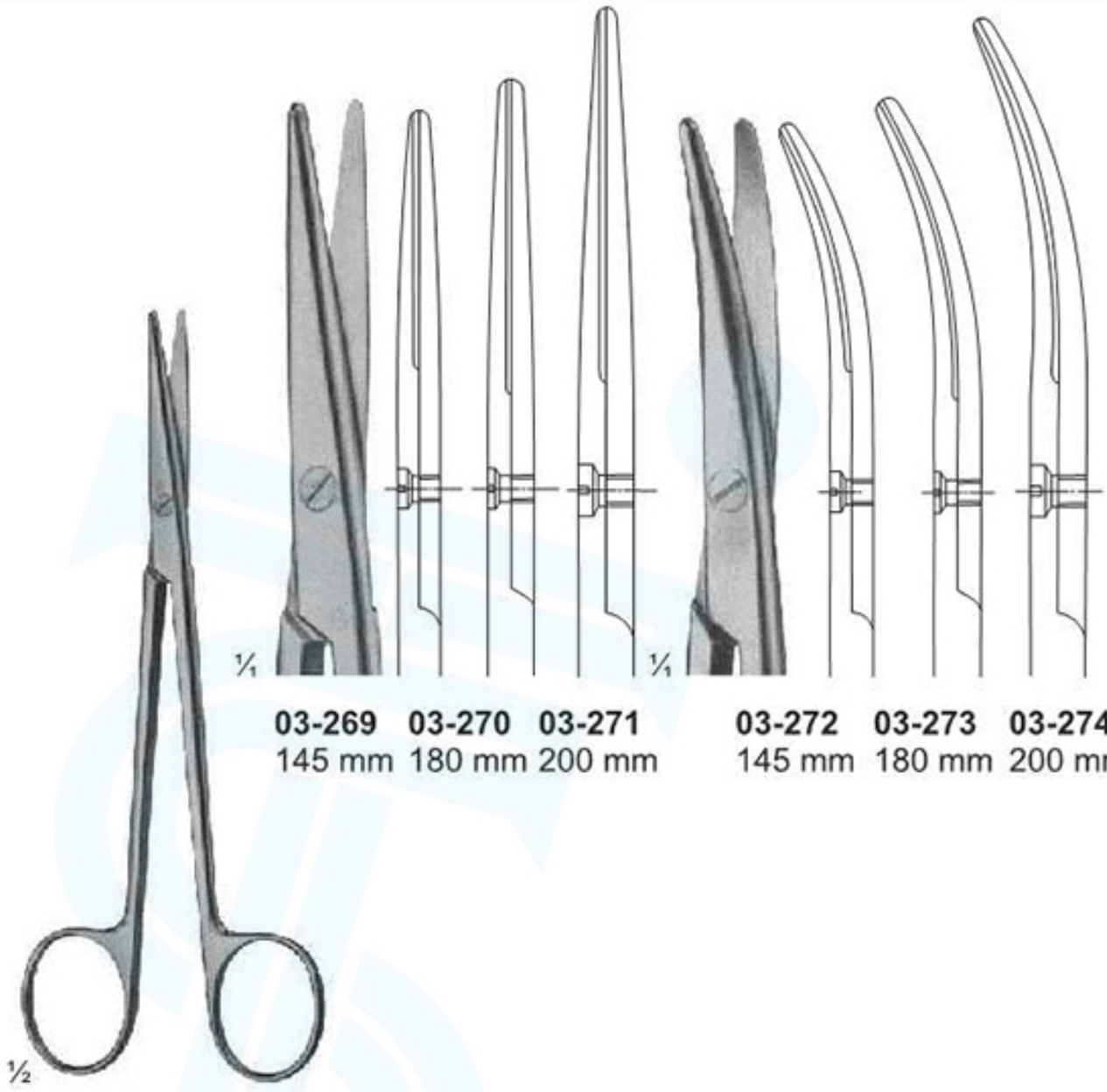
**03-267 - 268**
BABY - METZENBAUM



**03-267**
Size: 145 mm



**03-268**
Size: 145 mm



**03-269 - 274**
METZENBAUM



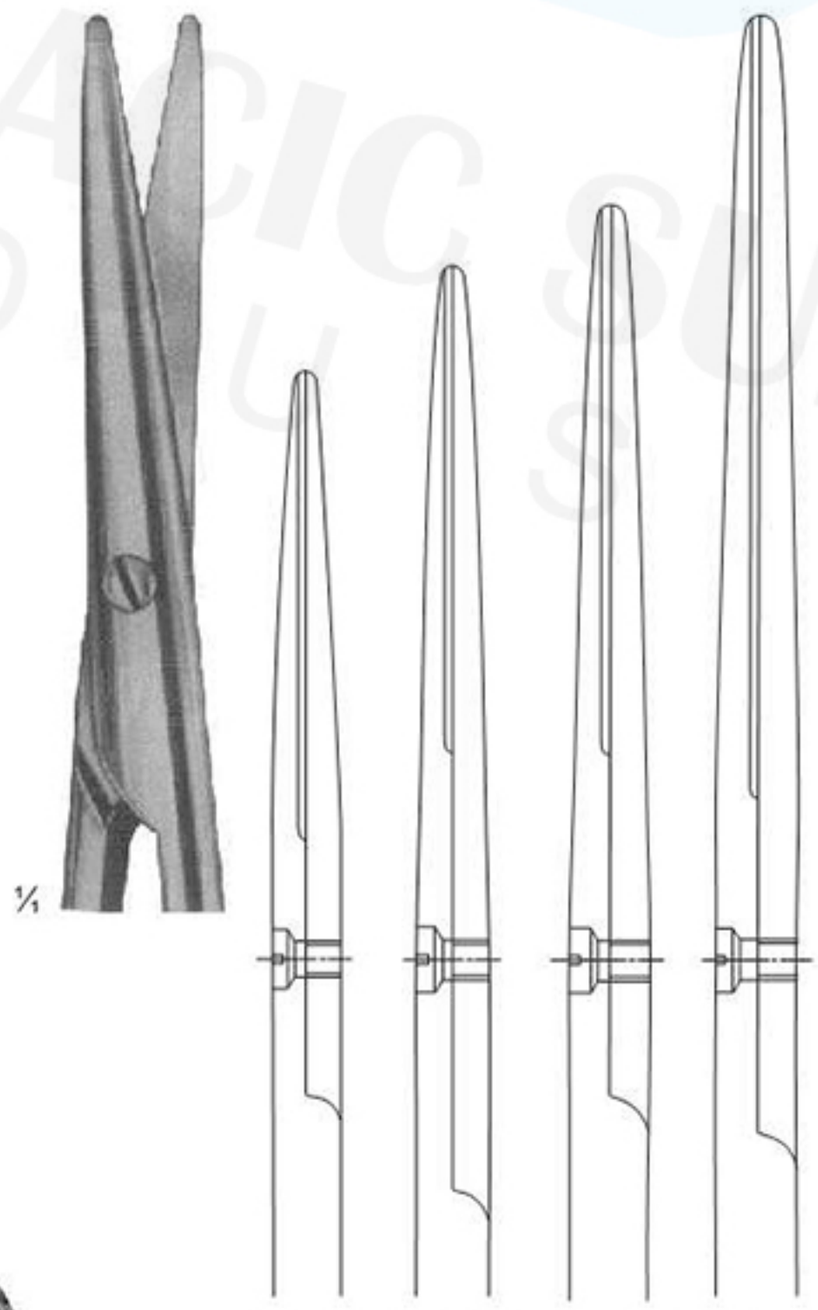
**03-269** 145 mm
**03-270** 180 mm
**03-271** 200 mm



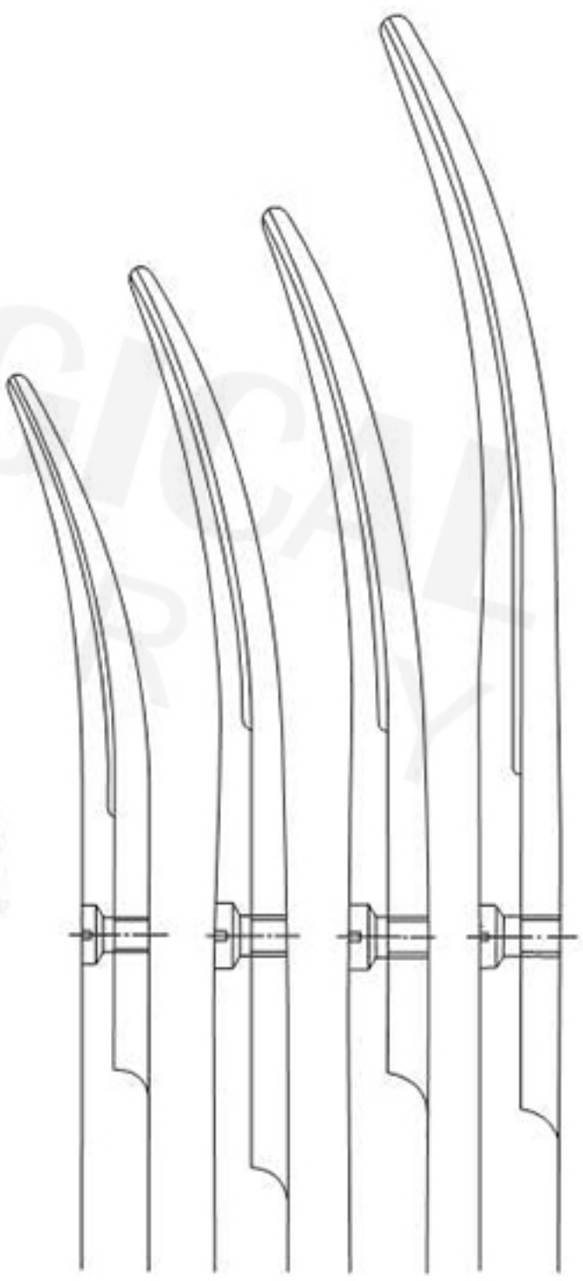
**03-272** 145 mm
**03-273** 180 mm
**03-274** 200 mm



**03-275 - 282**
NELSON - METZENBAUM



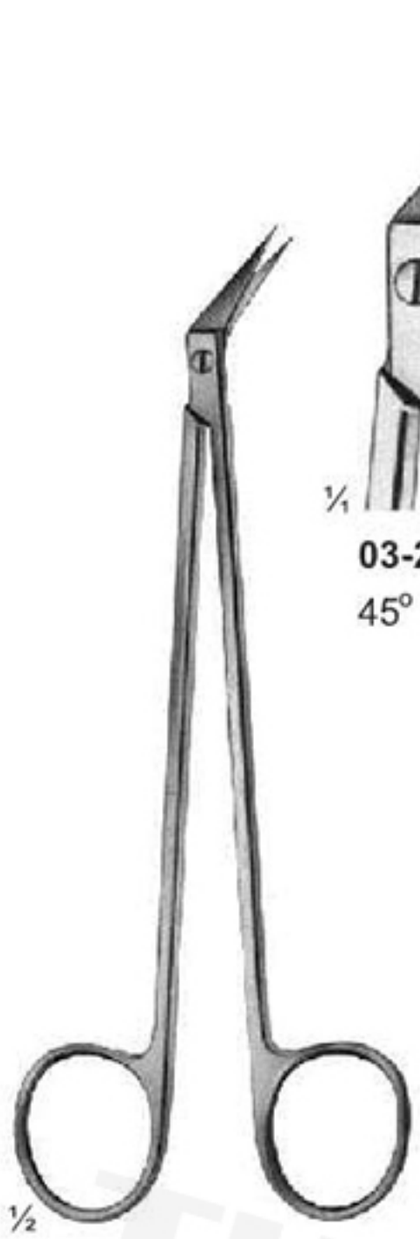
**03-275** 230 mm
**03-276** 250 mm
**03-277** 280 mm
**03-278** 305 mm



**03-279** **230** mm
**03-280** **250** mm
**03-281** **280** mm
**03-282** **305** mm

THORACIC SURGICAL INSTRUMENTS

# Vessel Scissors

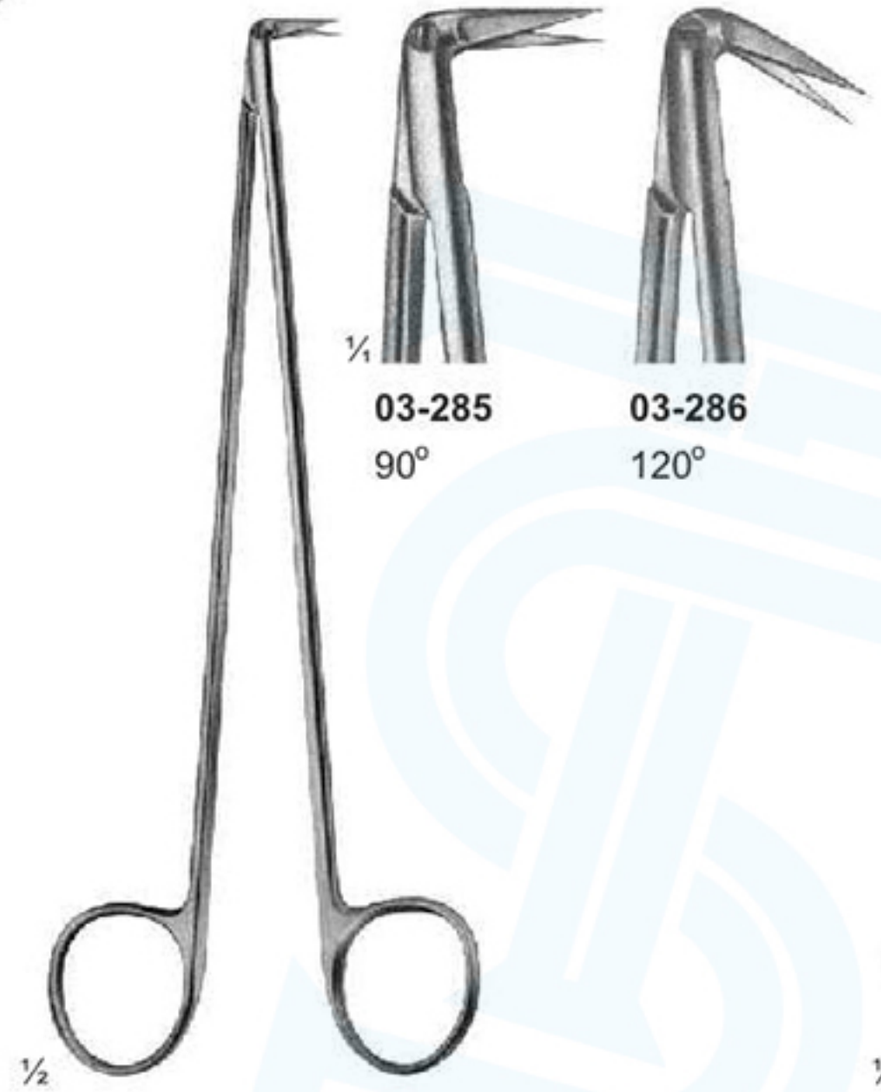


**03-283 - 284**
DE BAKEY
Size: 155 mm



**03-283**
45°

**03-284**
60°

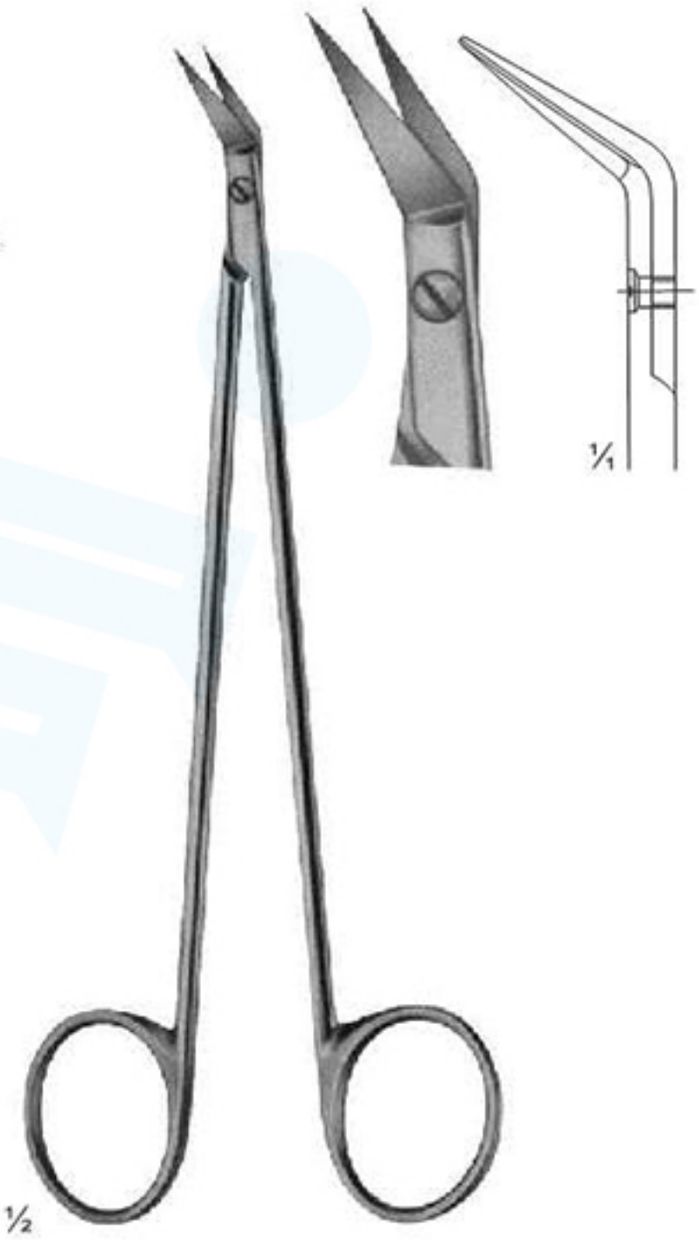


**03-285 - 286**
DIETHRICH
Size: 170 mm

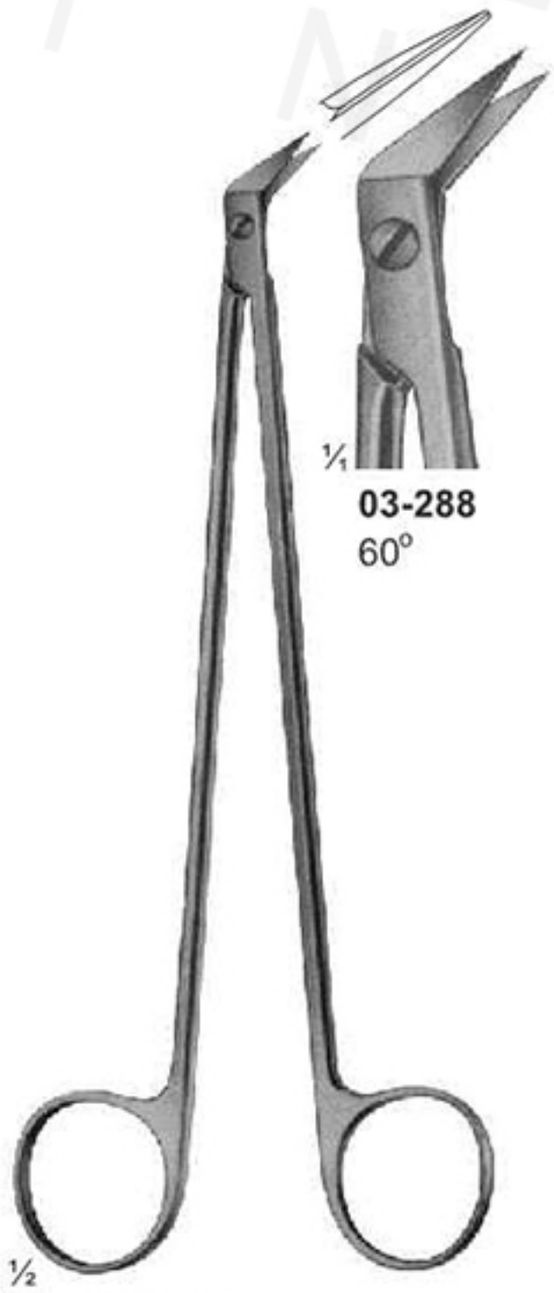


**03-285**
90°

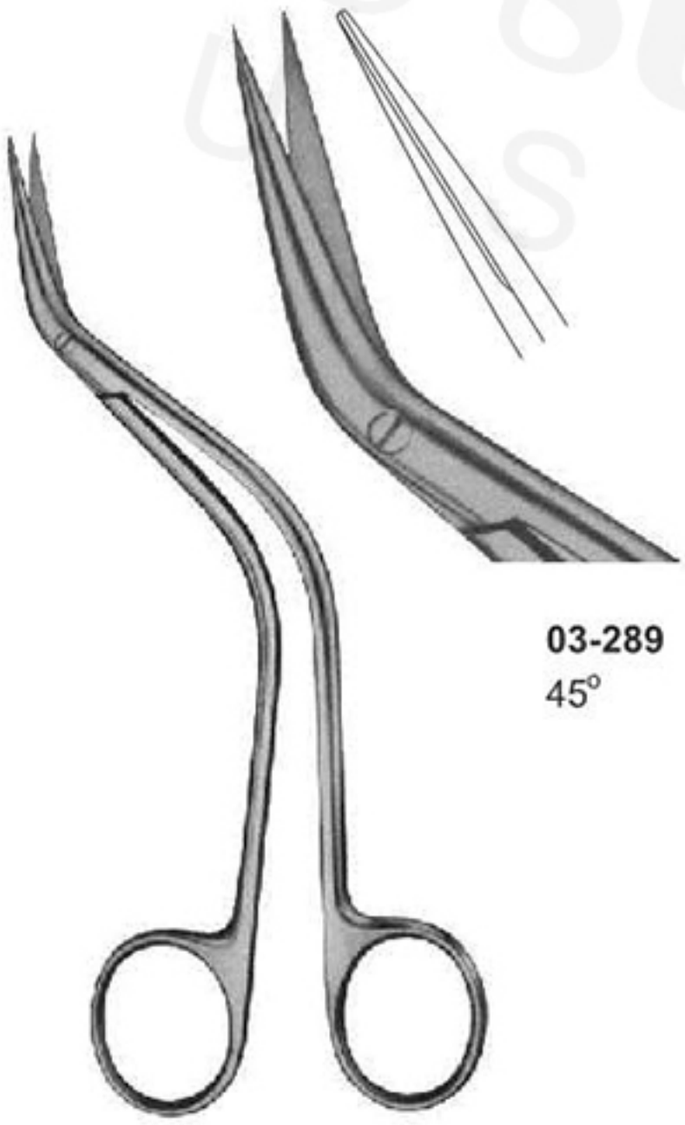
**03-286**
120°



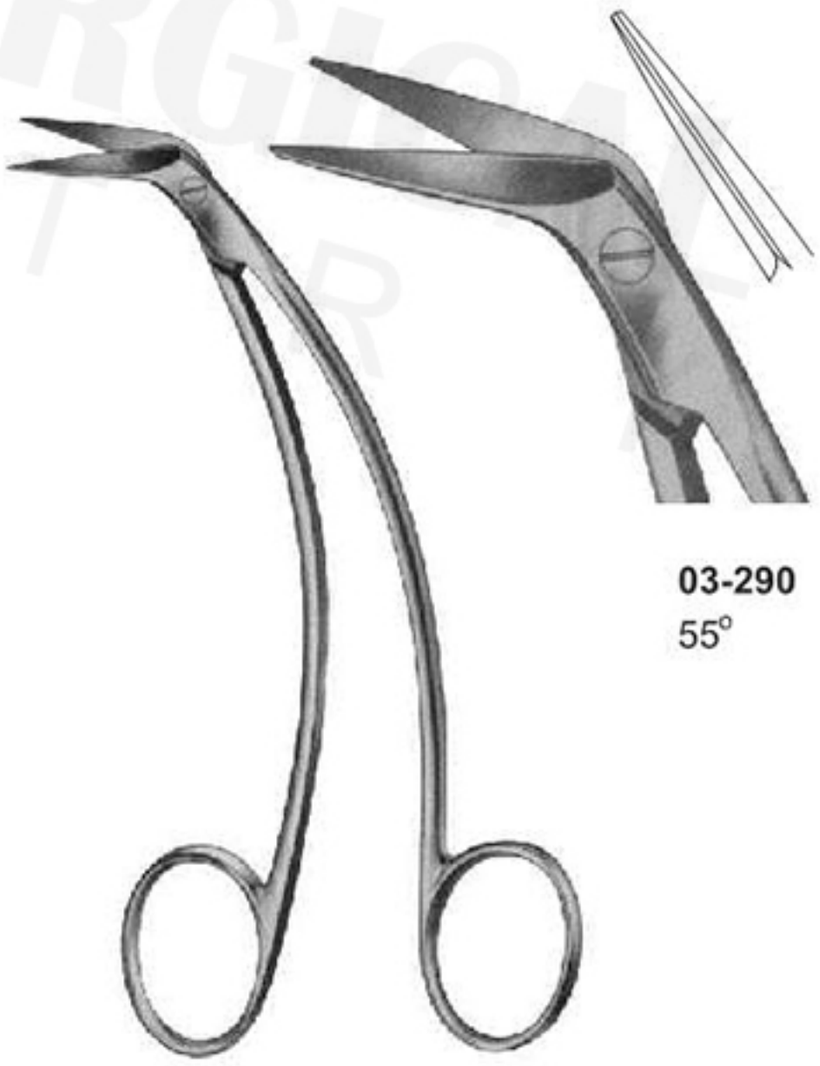
**03-287**
POTTS-SMITH
Size: 180 mm



**03-288**
POTTS-SMITH
Size: 180 mm



**03-289**
DEBAKEY
Size: 155 mm

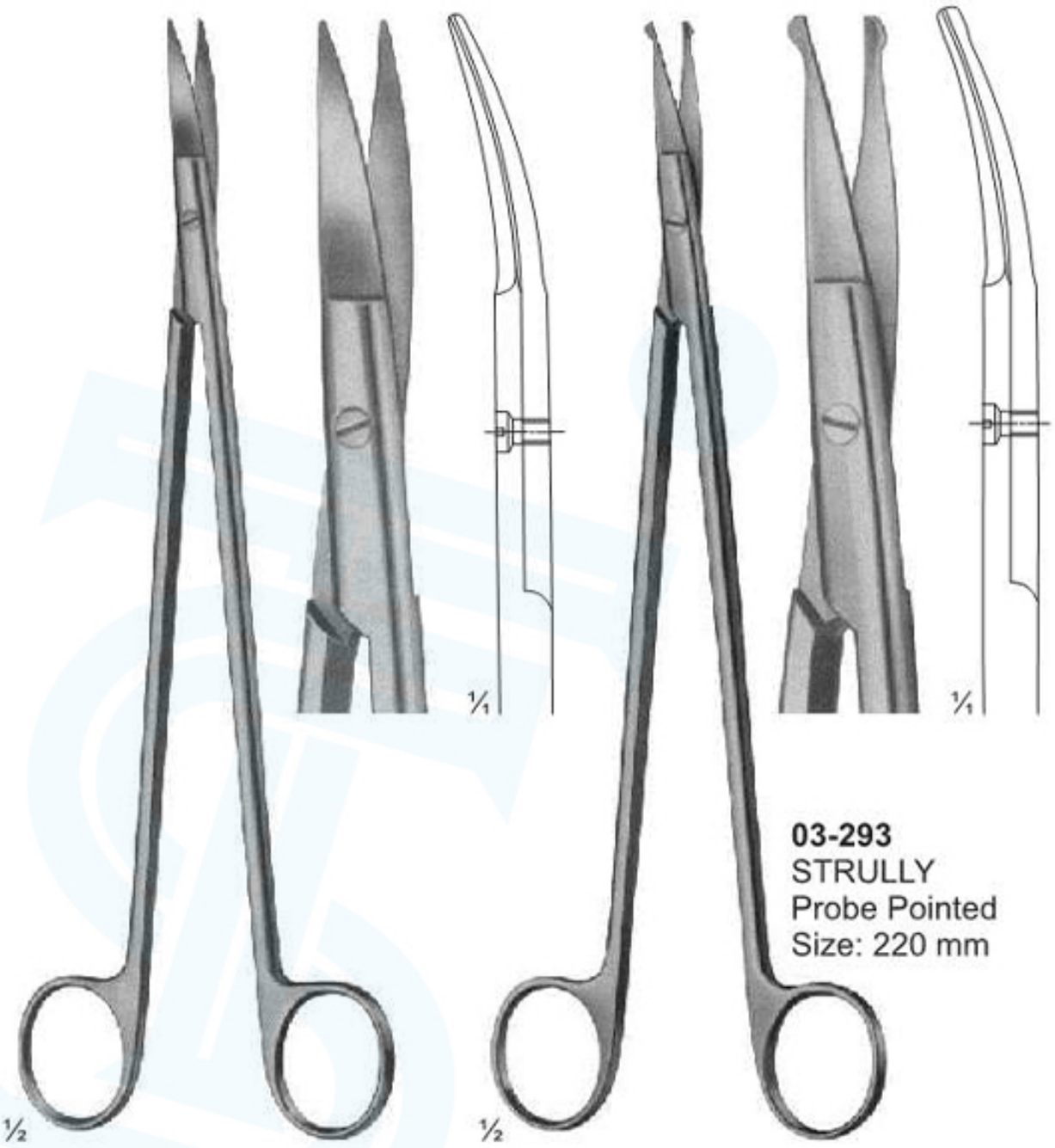


**03-290**
FAVOLORO
Size: 140 mm

# Cardiovascular and Neuro-Surgery Scissors



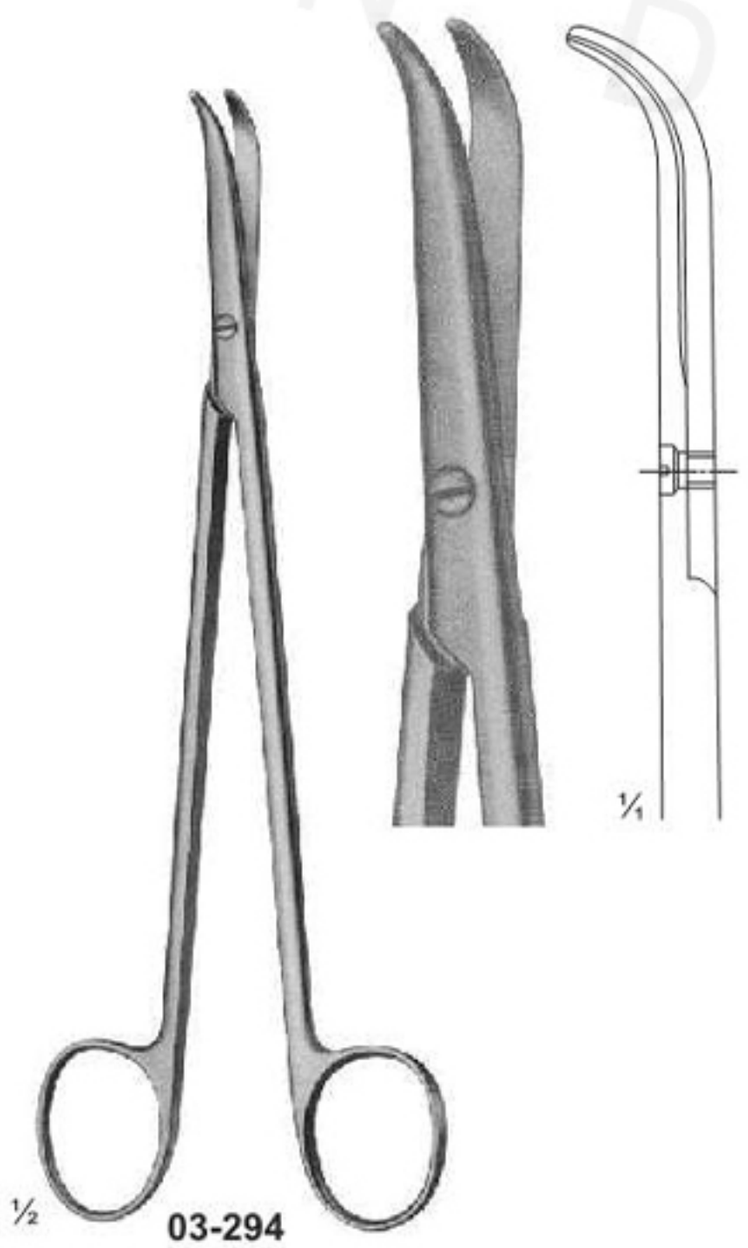
**03-291**
OLIVECRONA
Dura Scissors



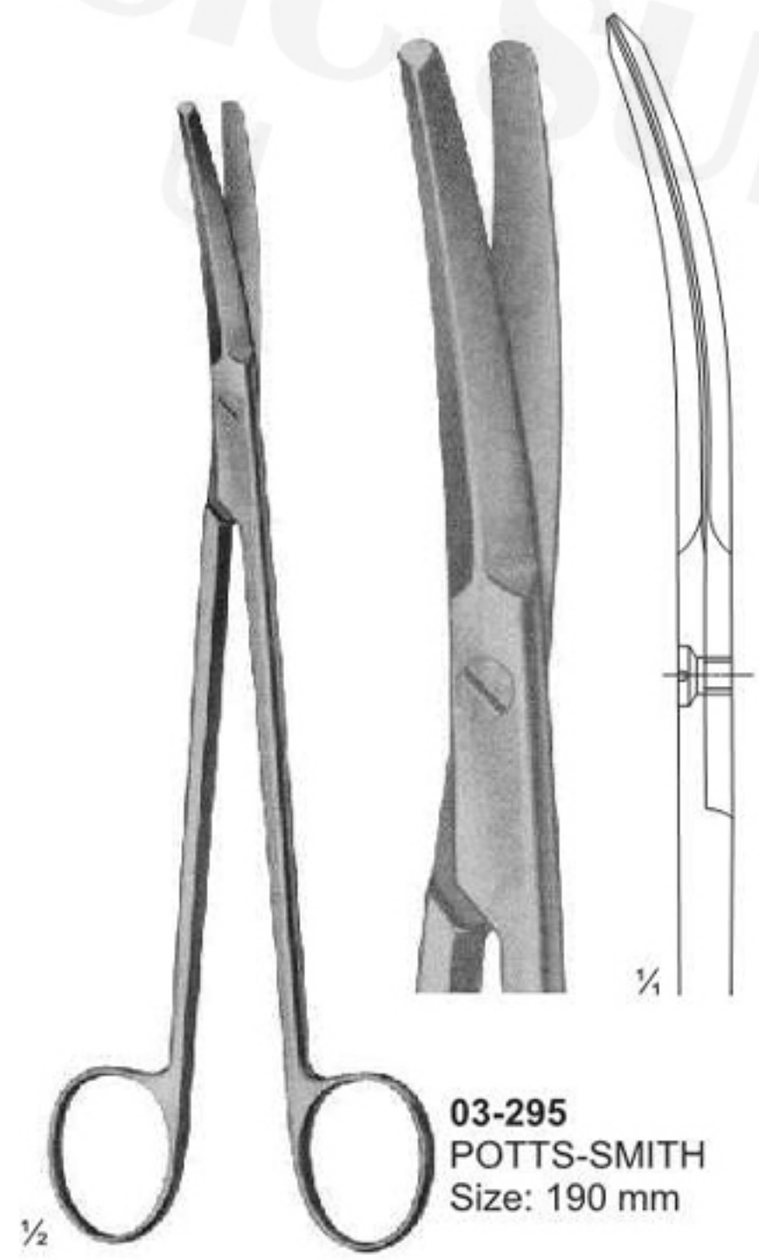
**03-292**
STRULLY
Pointed
Size: 220 mm



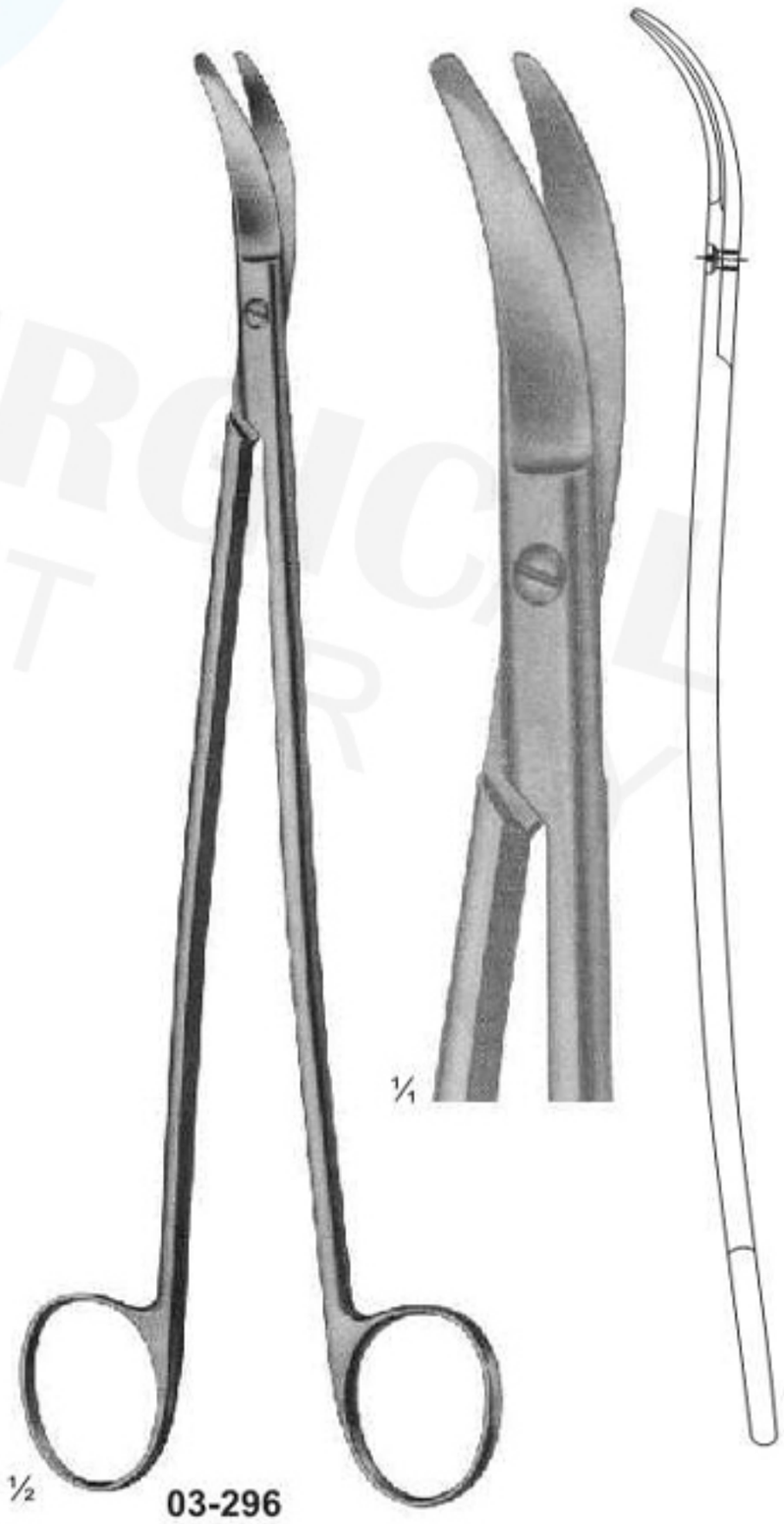
**03-293**
STRULLY
Probe Pointed
Size: 220 mm



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

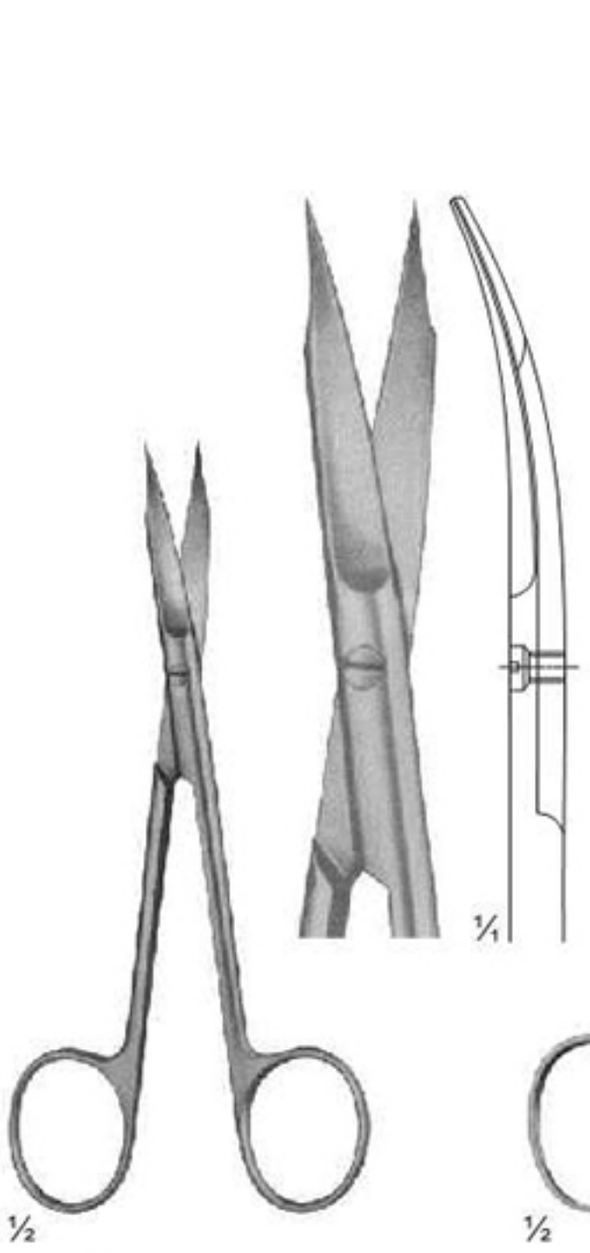


**03-295**
POTTS-SMITH
Size: 190 mm

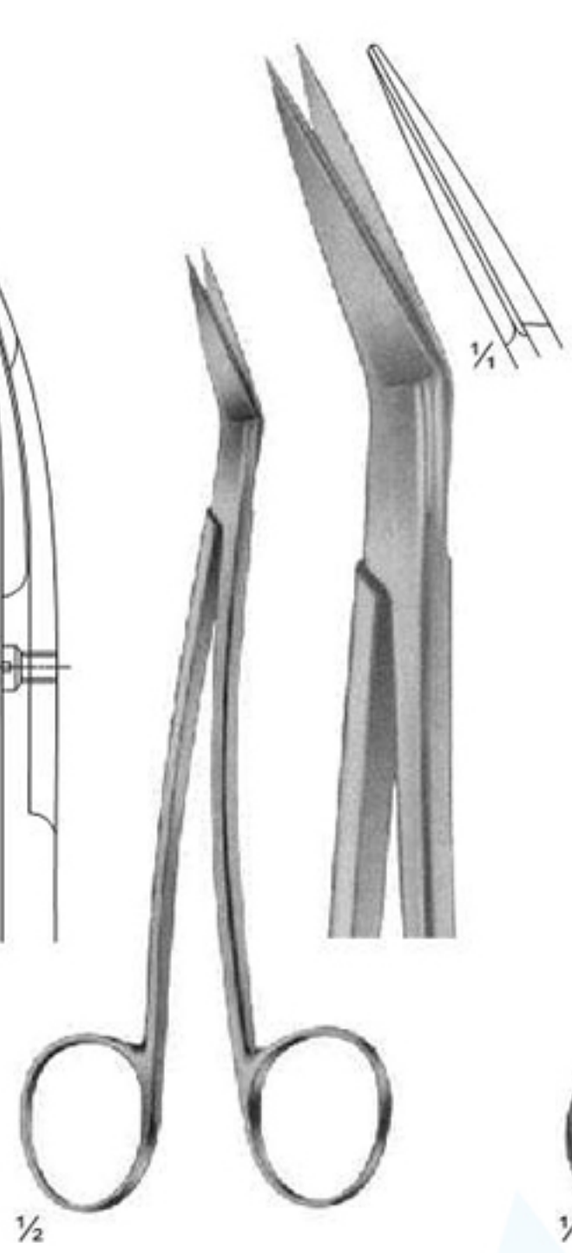


**03-296**
SATINSKY
Size: 245 mm

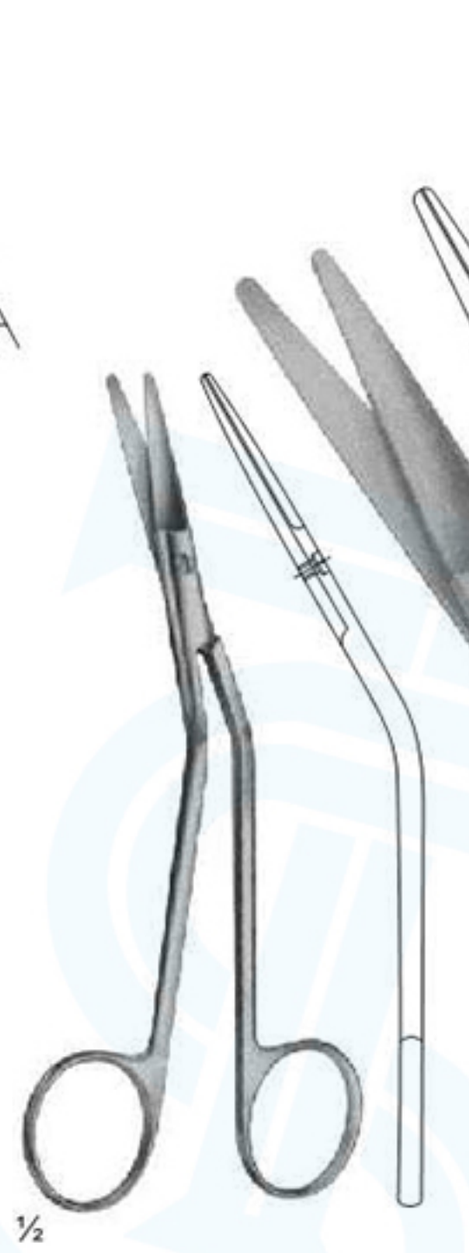
# Delicate, Nasal and Tonsil Scissors



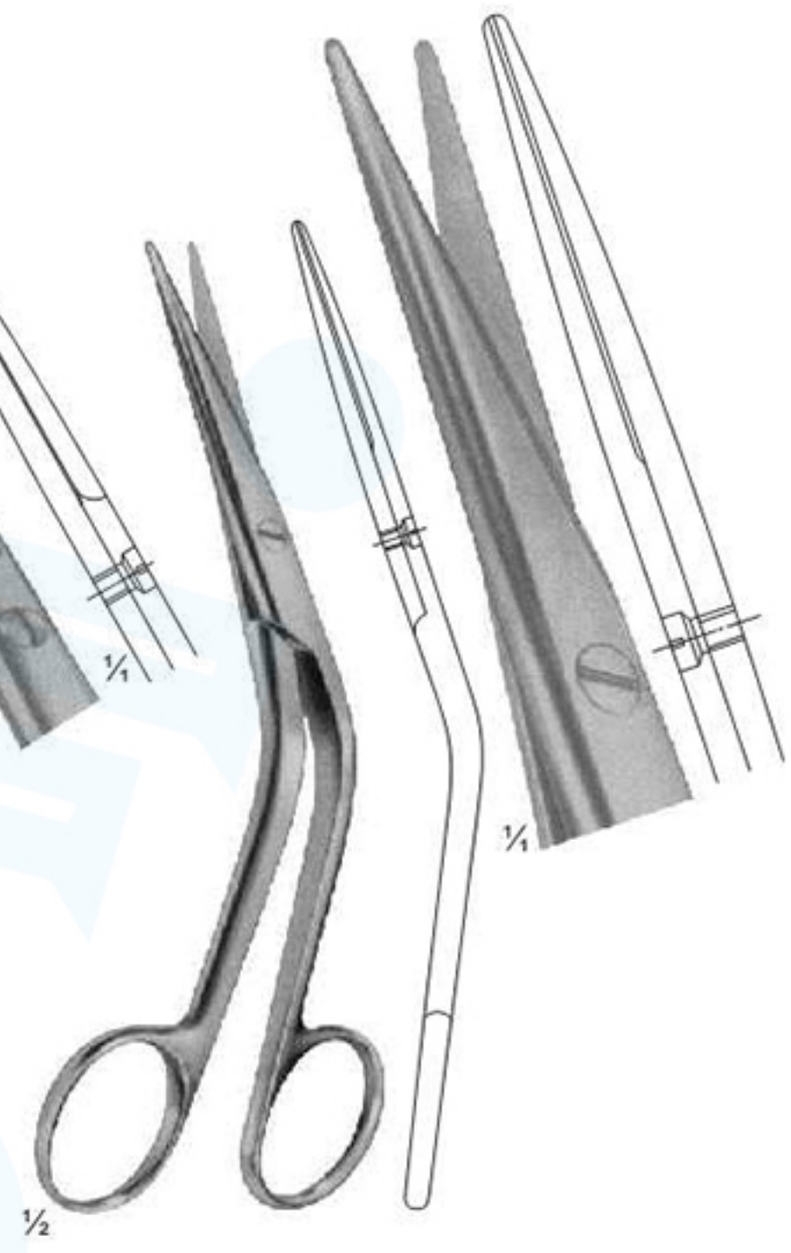

**03-297**
1 Finaly Toothed Blade
Size: 130 mm



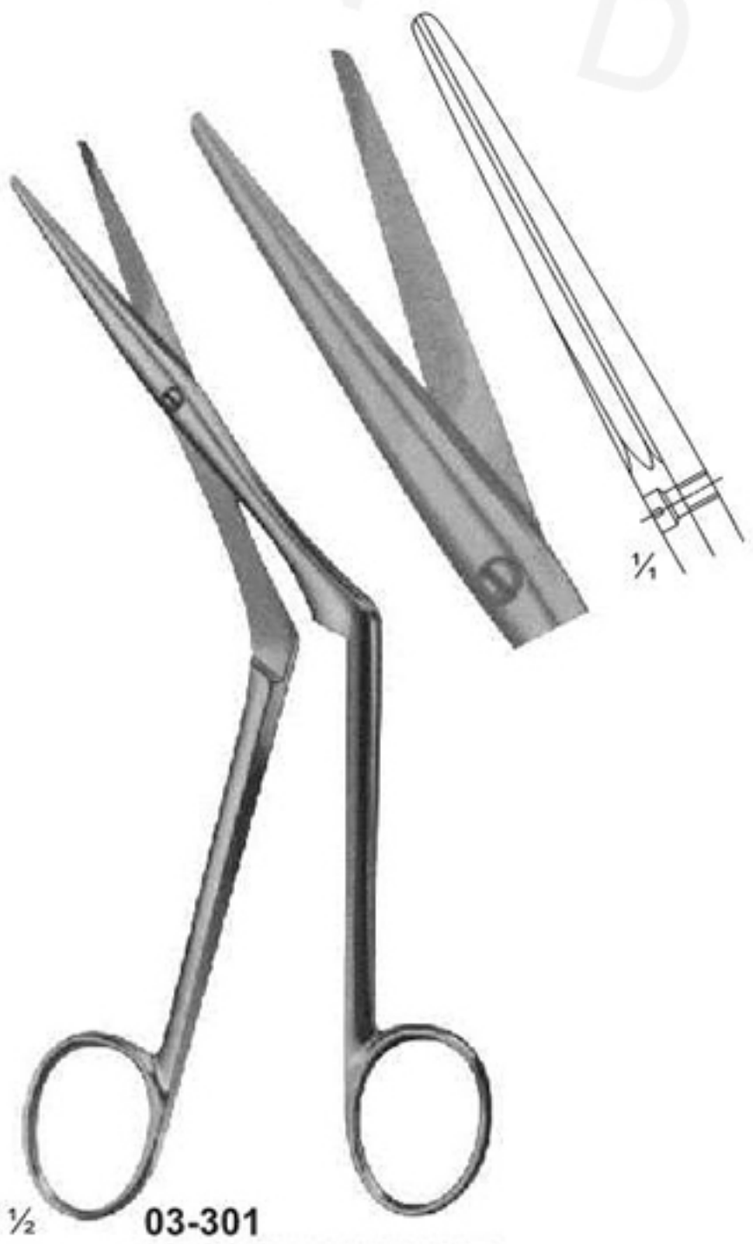

**03-298**
LOCKLIN
Curved Sideways,
1 Toothed Blade
Size: 155 mm



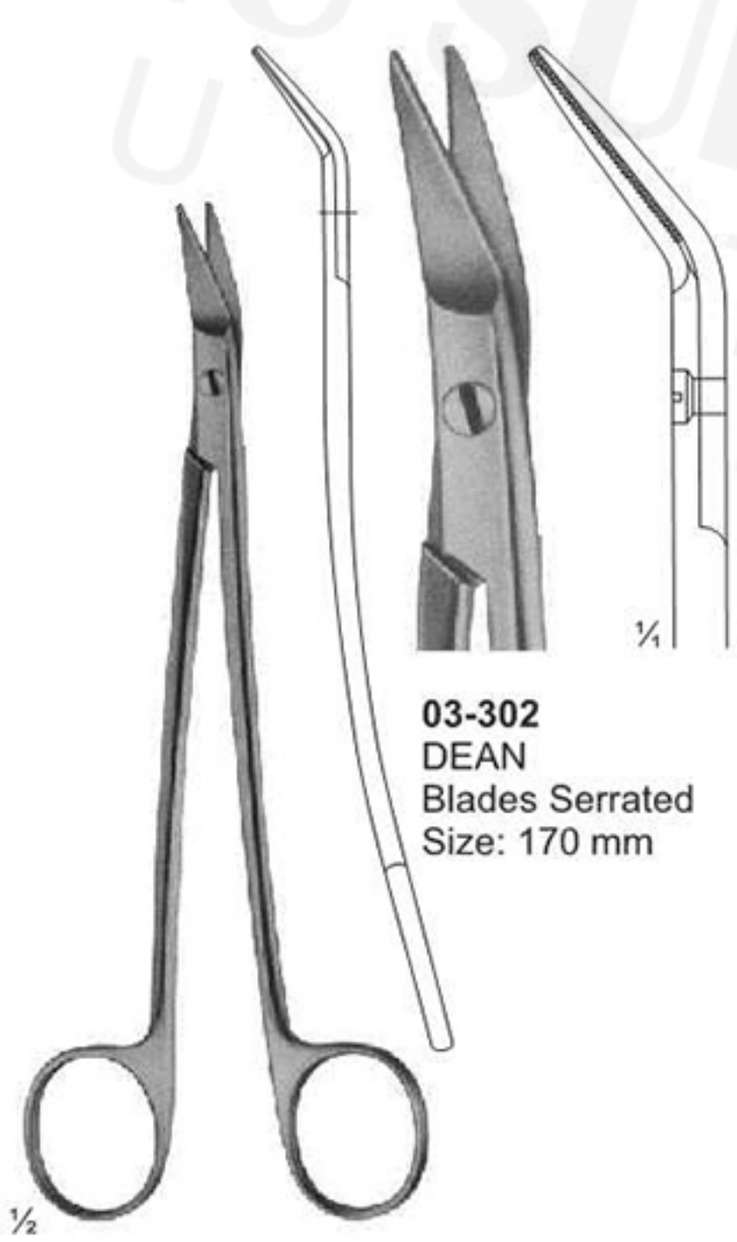

**03-299**
FOMON
Blades Serrated
Size: 145 mm



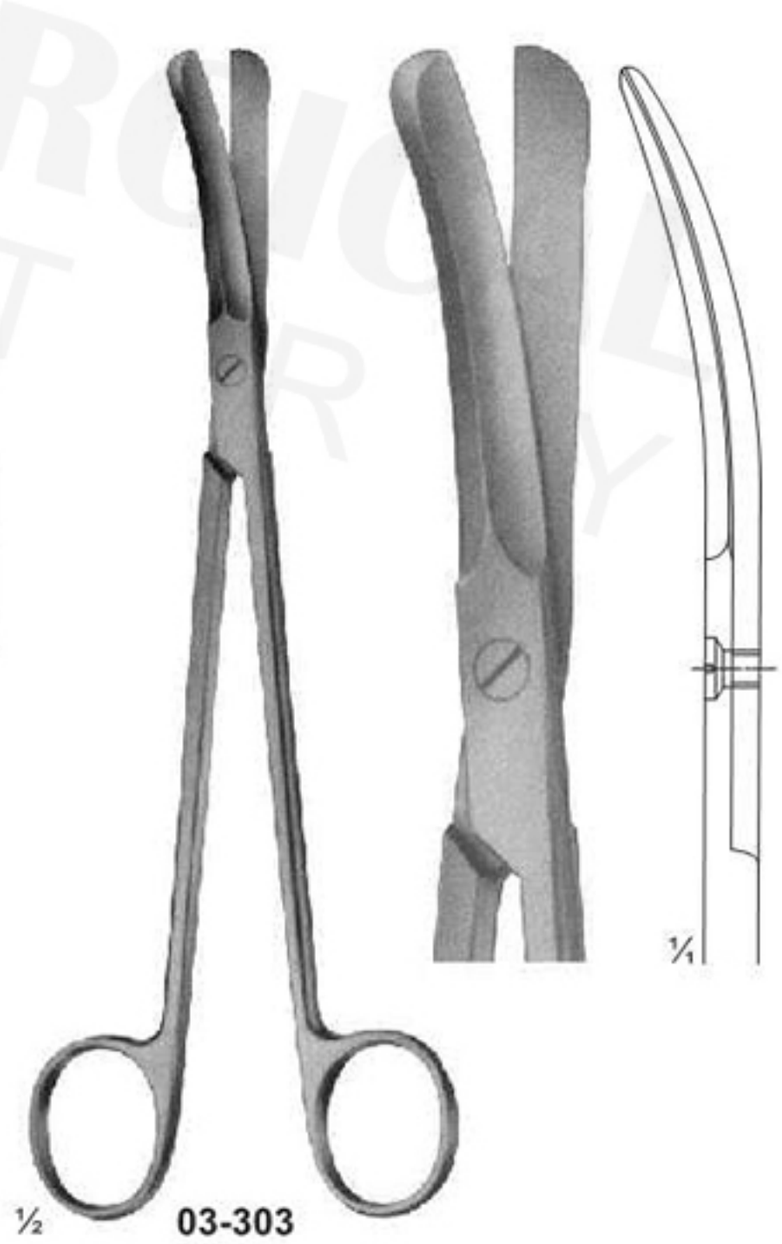

**03-300**
COTTLE
Size: 165 mm




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



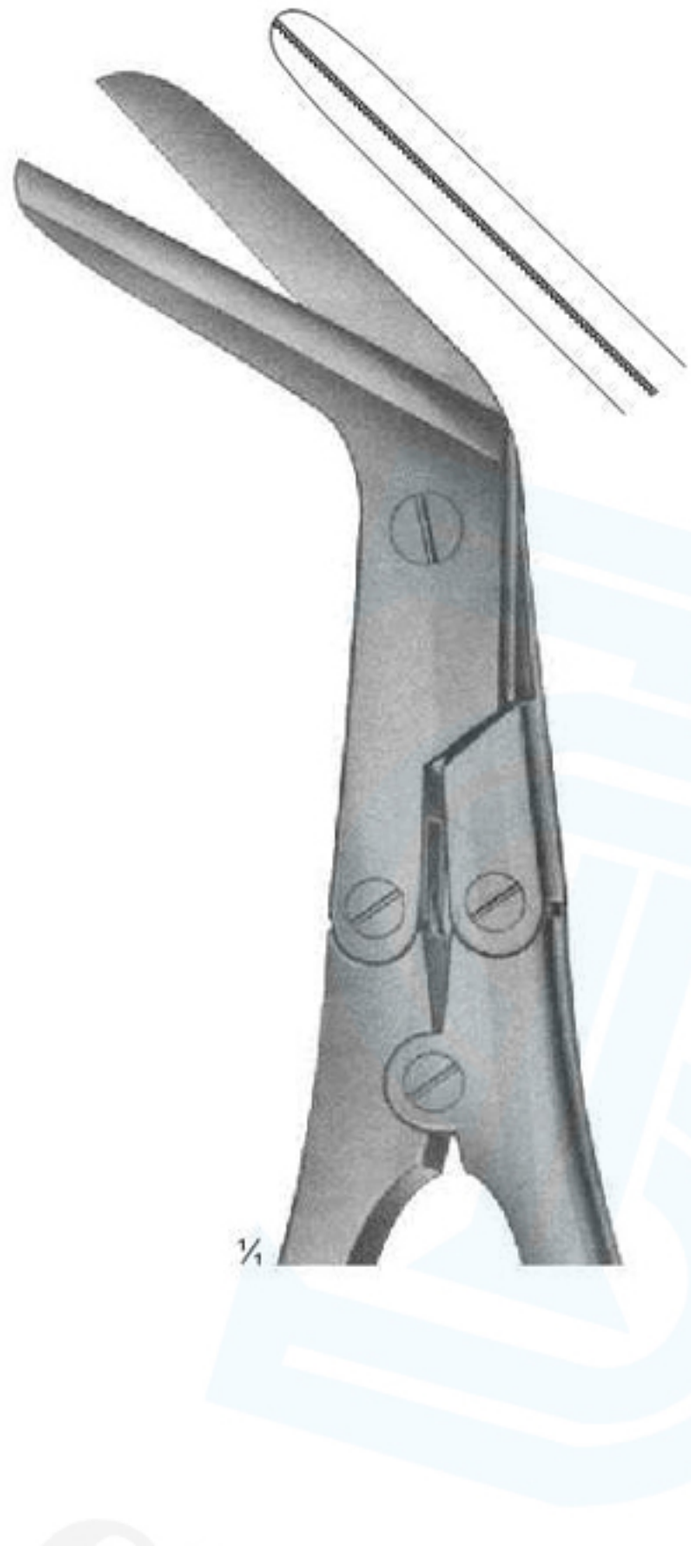

**03-302**
DEAN
Blades Serrated
Size: 170 mm




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

# Bone Shears

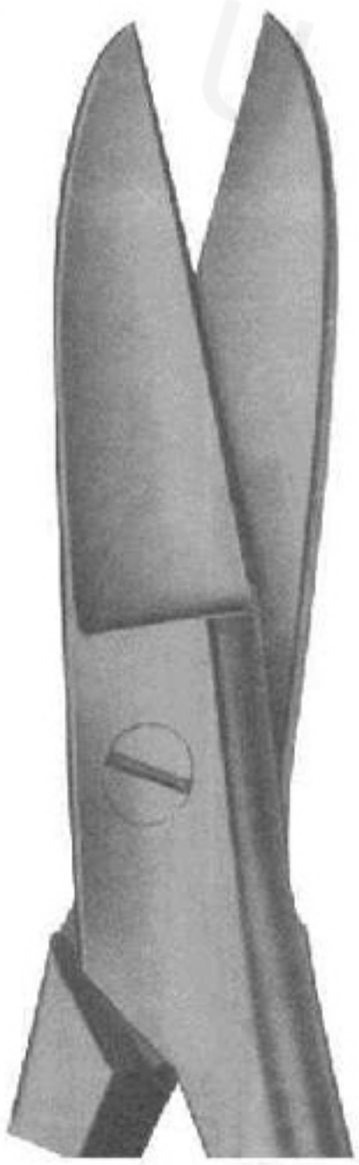


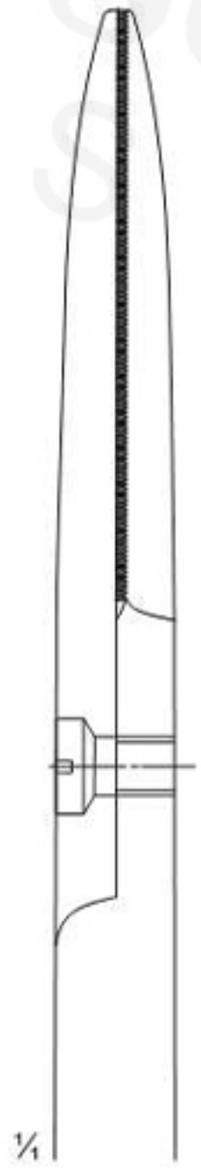

**03-304**
KILLIAN
Size: 200 mm

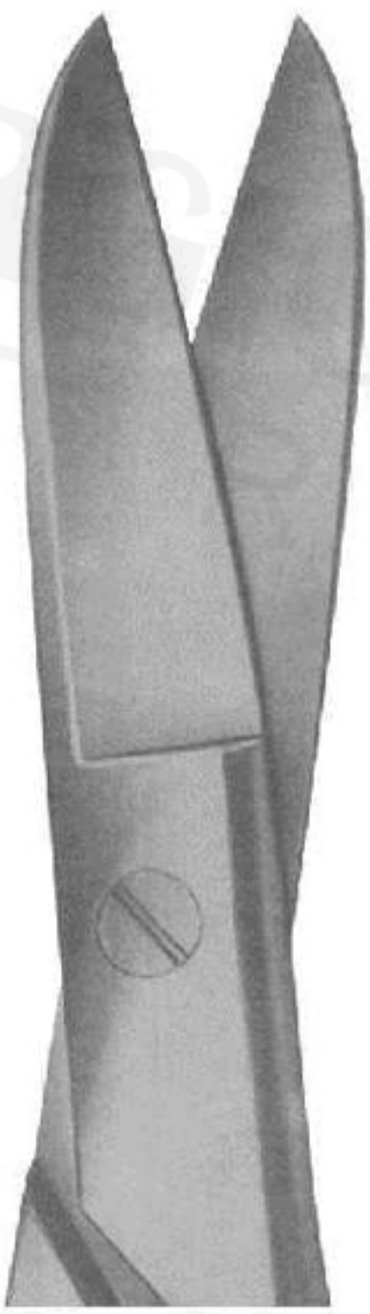


**03-305 - 306**



**03-305**
195 mm

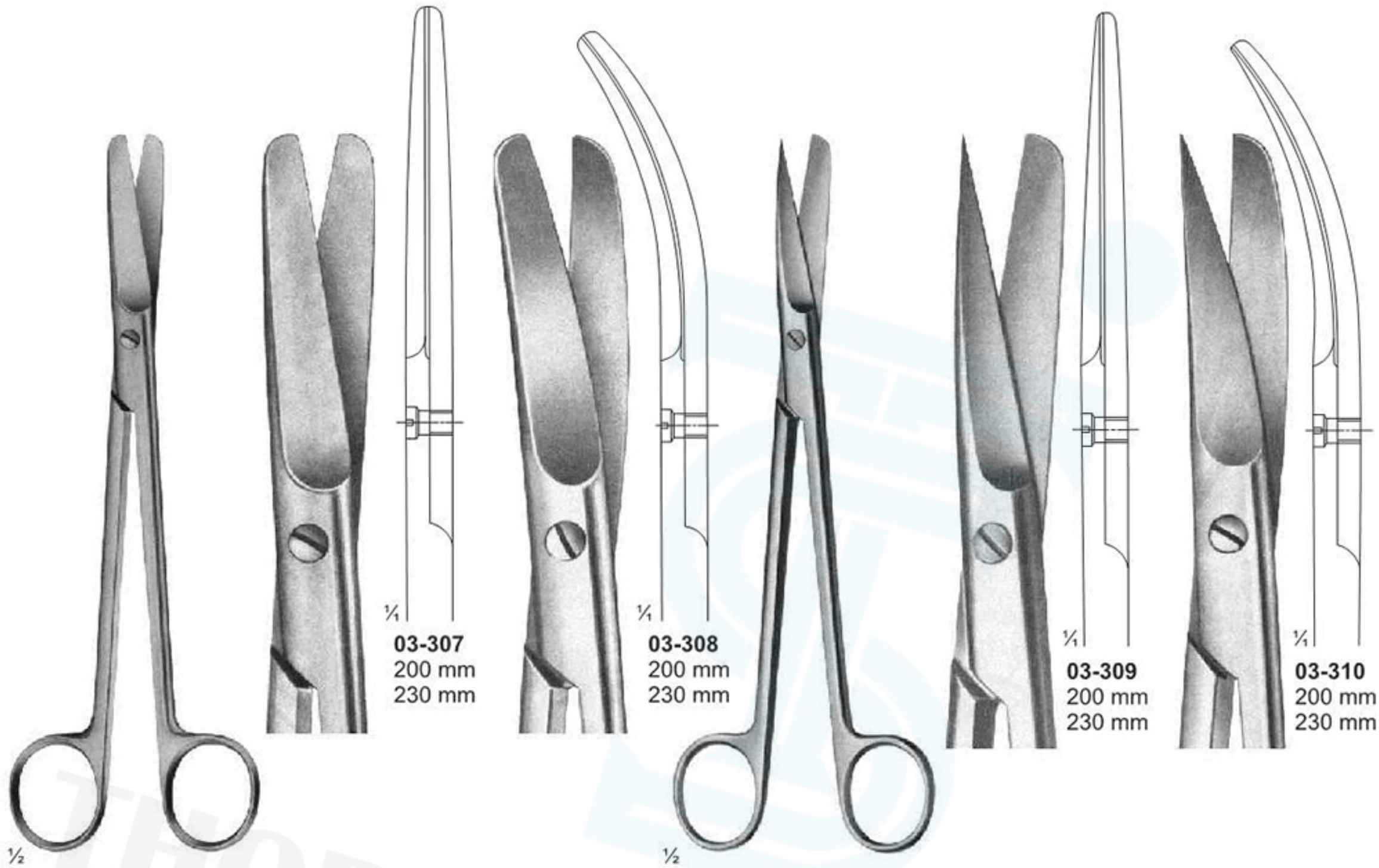


**03-306**
225 mm



# Operating and Gynaecology Scissors




**03-307**
200 mm
230 mm

**03-308**
200 mm
230 mm

**03-309**
200 mm
230 mm

**03-310**
200 mm
230 mm

**03-307 - 308**
SIMS

**03-309 - 310**
SIMS




Size: 200 mm

Size: 210 mm

**03-313** 145 mm
**03-314** 200 mm
**03-315** 230 mm

**03-311**
SIMS

**03-312**
SIMS

**03-313 - 315**
WERTHEIM

THORACIC SURGICAL INSTRUMENTS

# 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

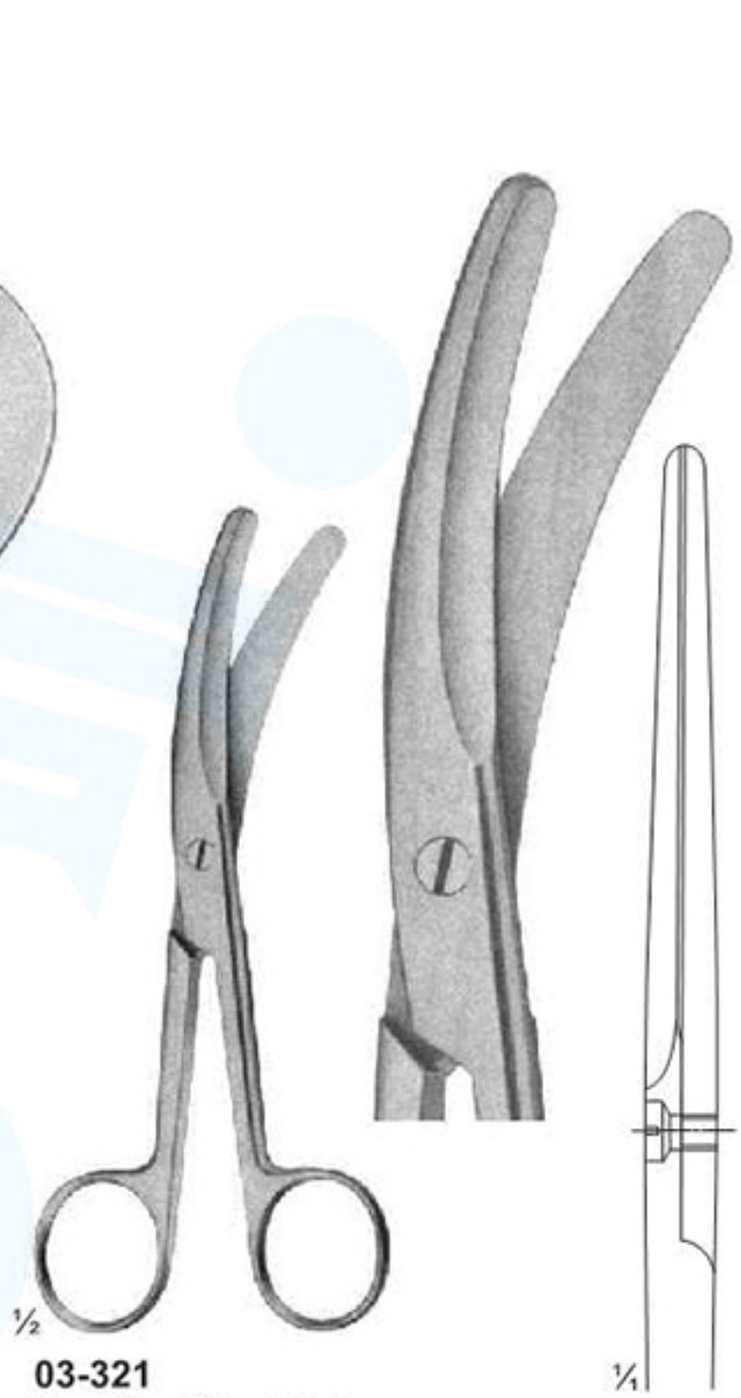
# Operating and Gynaecology Scissors



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

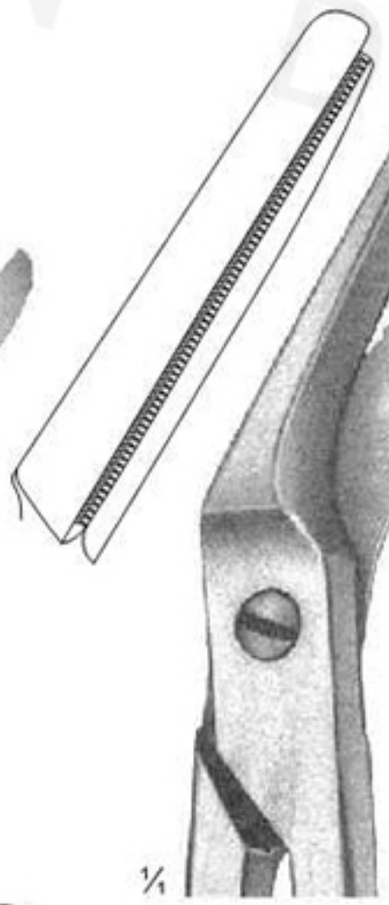


**03-320**
Umbilical Cord Scissors
Size: 105 mm



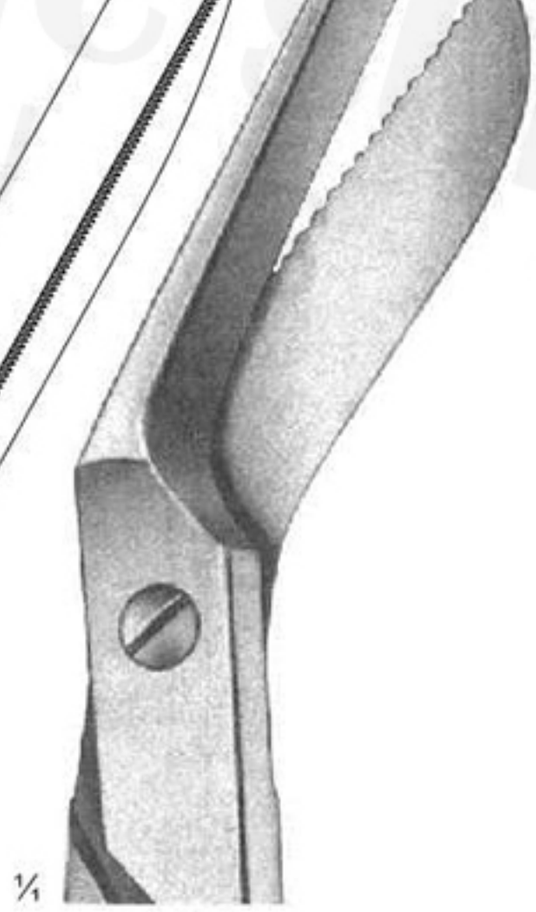
**03-321**
Umbilical Cord Scissors
135 mm



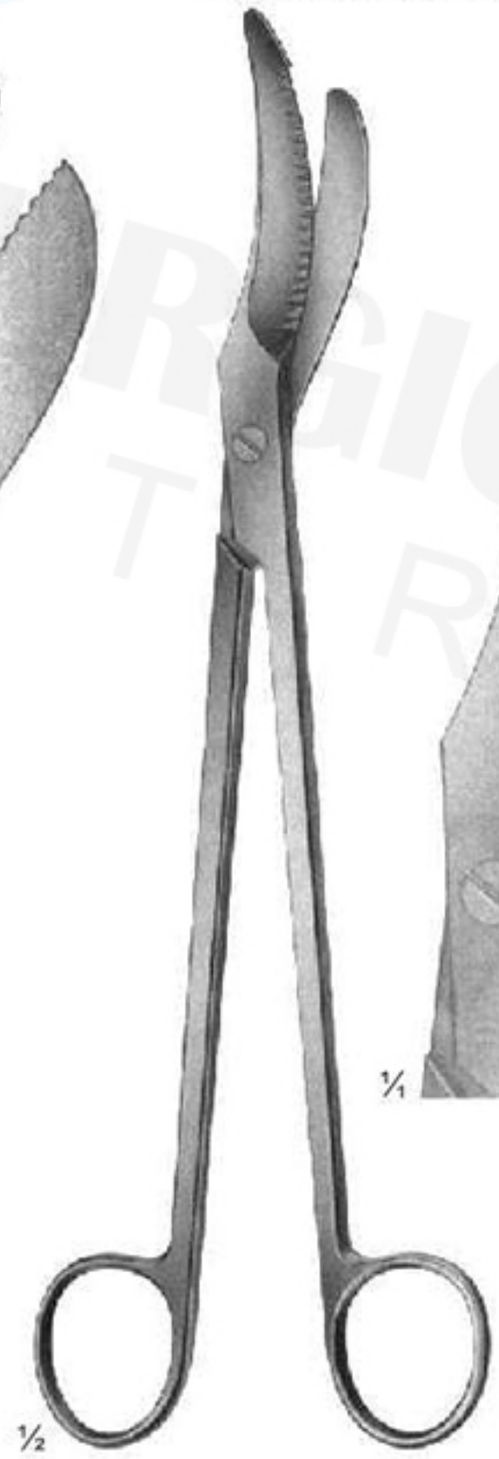


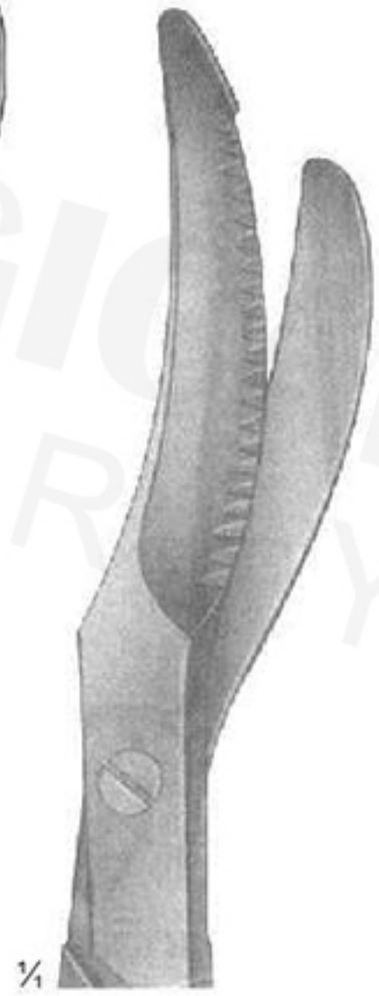
**03-322 - 323**
BRAUN-STADLER
Empisiotomy Scissors

**03-322**
145 mm



**03-323**
200 mm

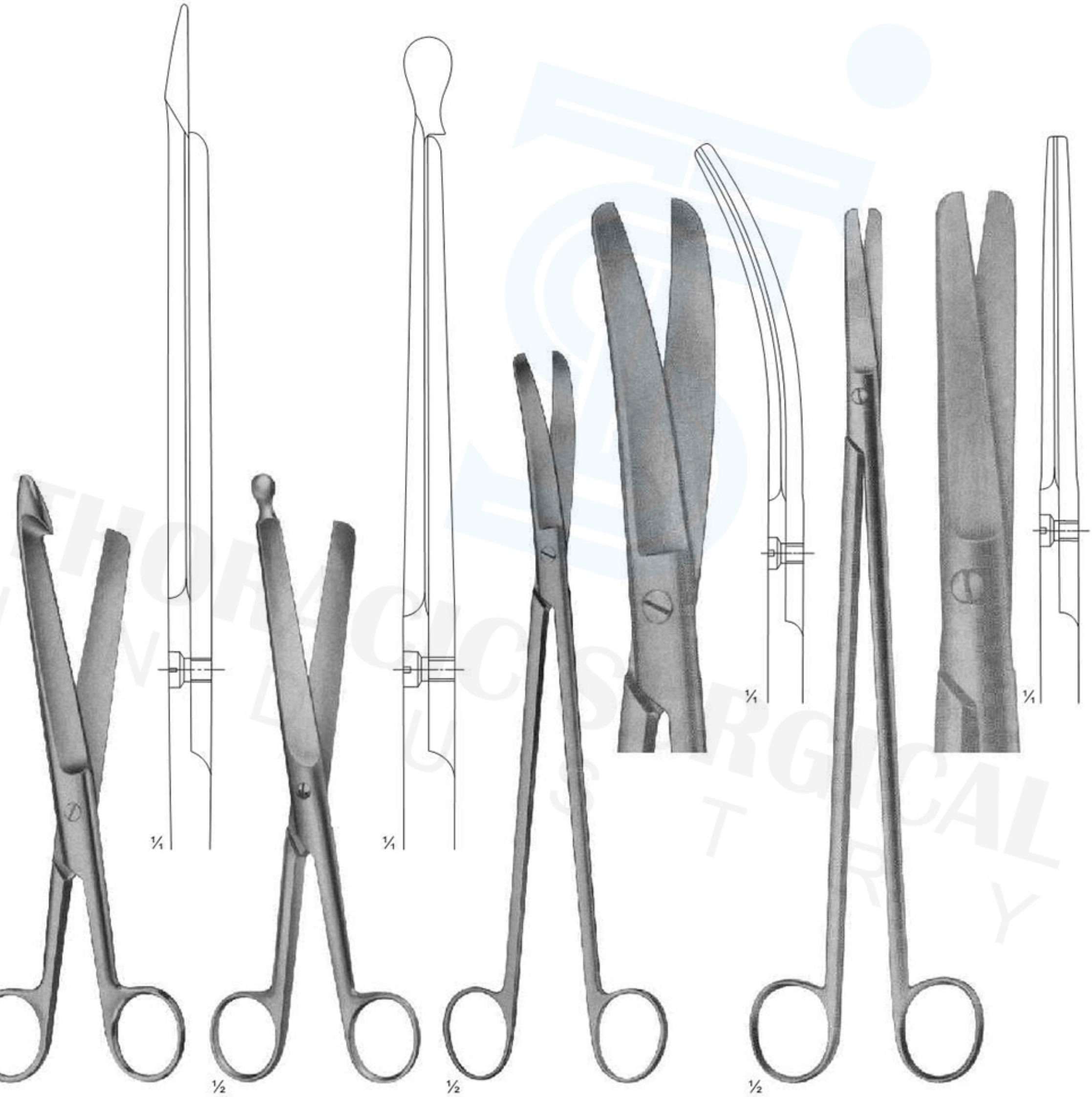






**03-324**
DAMMSCHERE
Empisiotomy Scissors
240 mm

# 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

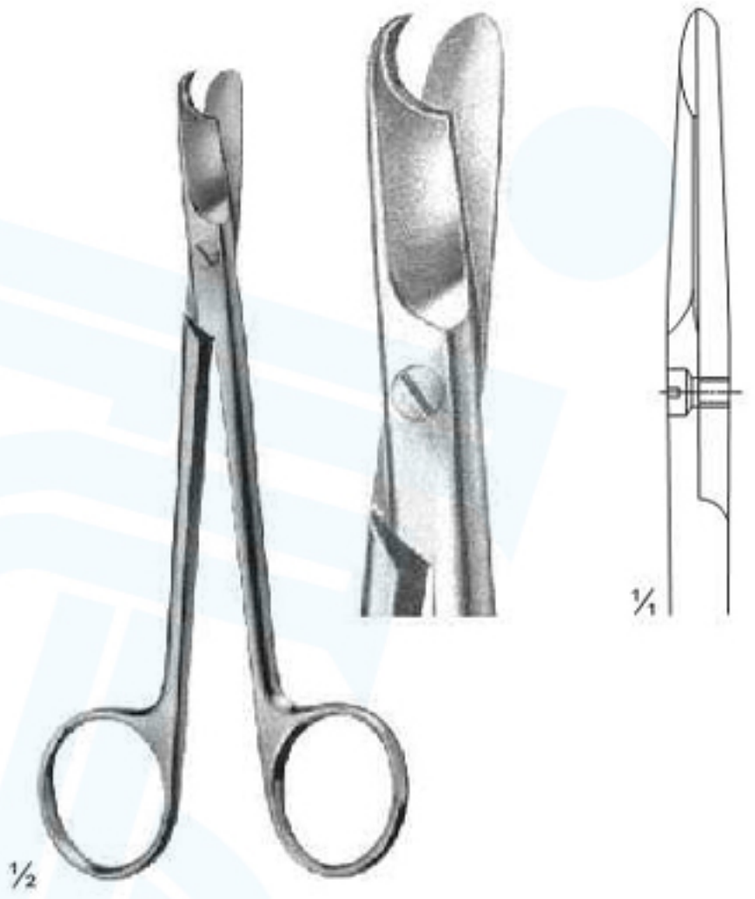
THORACIC SURGICAL INSTRUMENTS

# Ligature Scissors

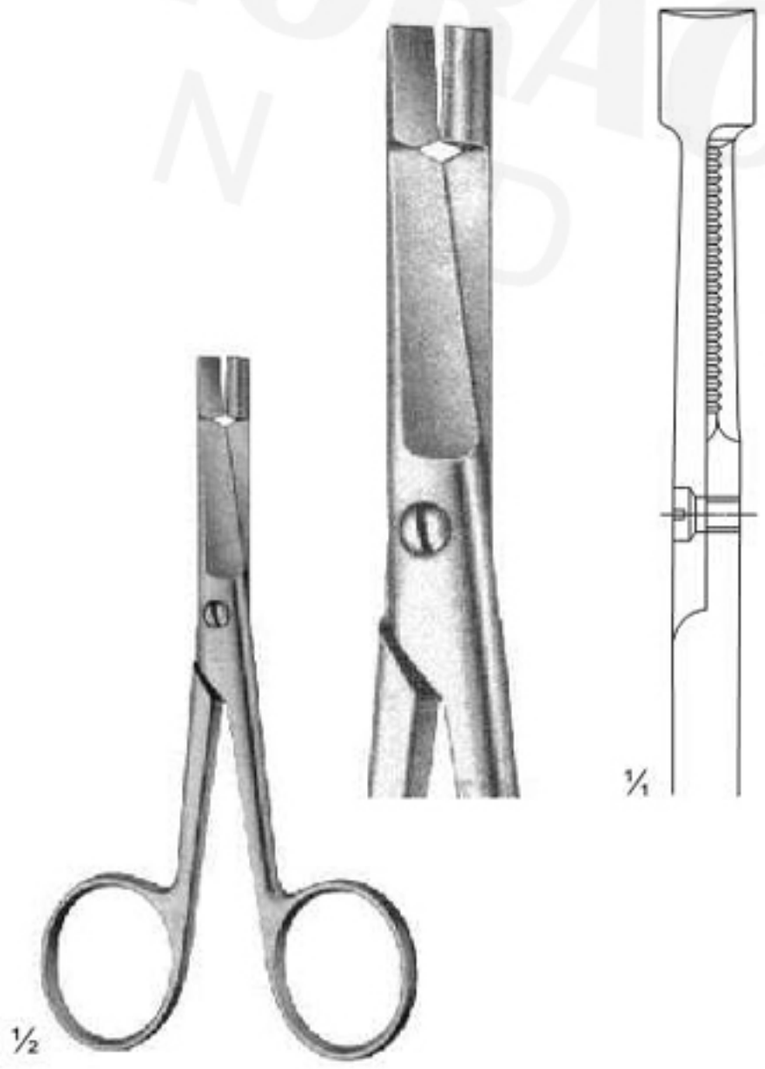



**03-329** 90 mm
**03-330** 115 mm

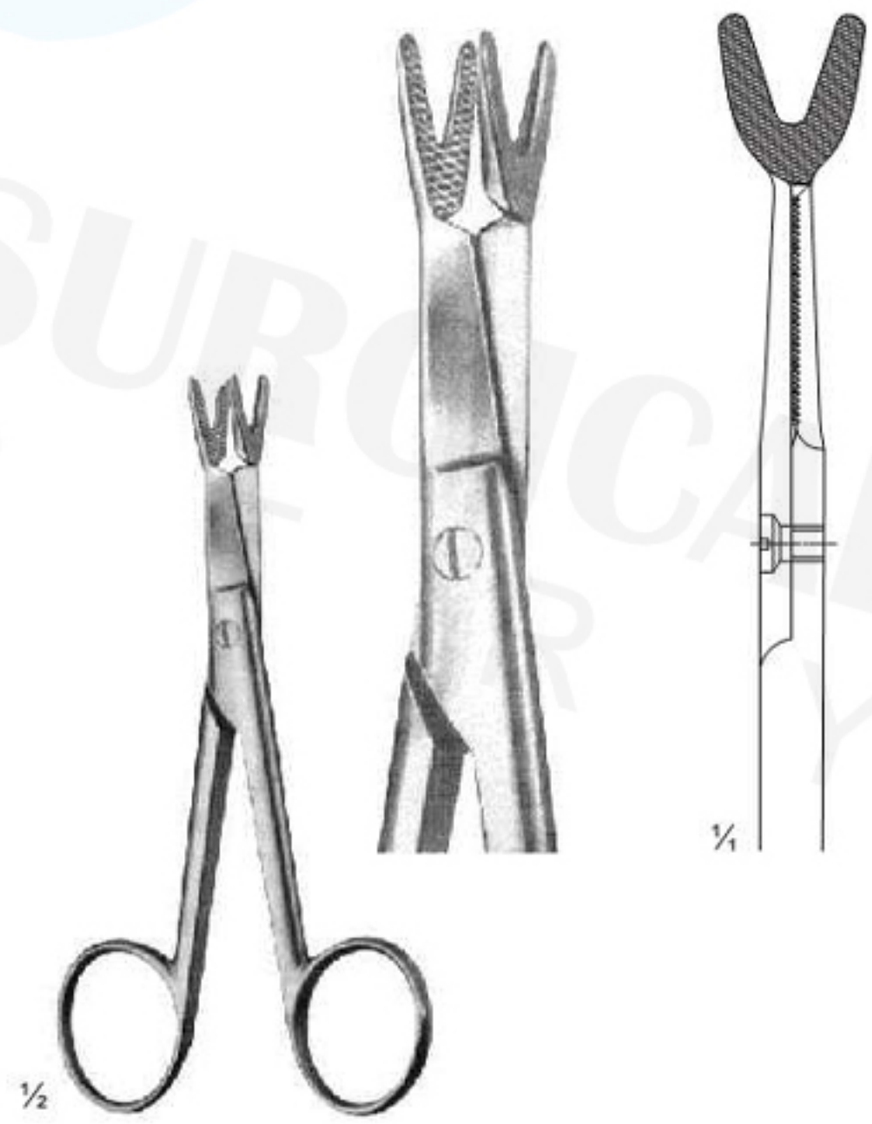
**03-329 - 330**
SPENCER




**03-331**
LITTAUER
Size: 135 mm



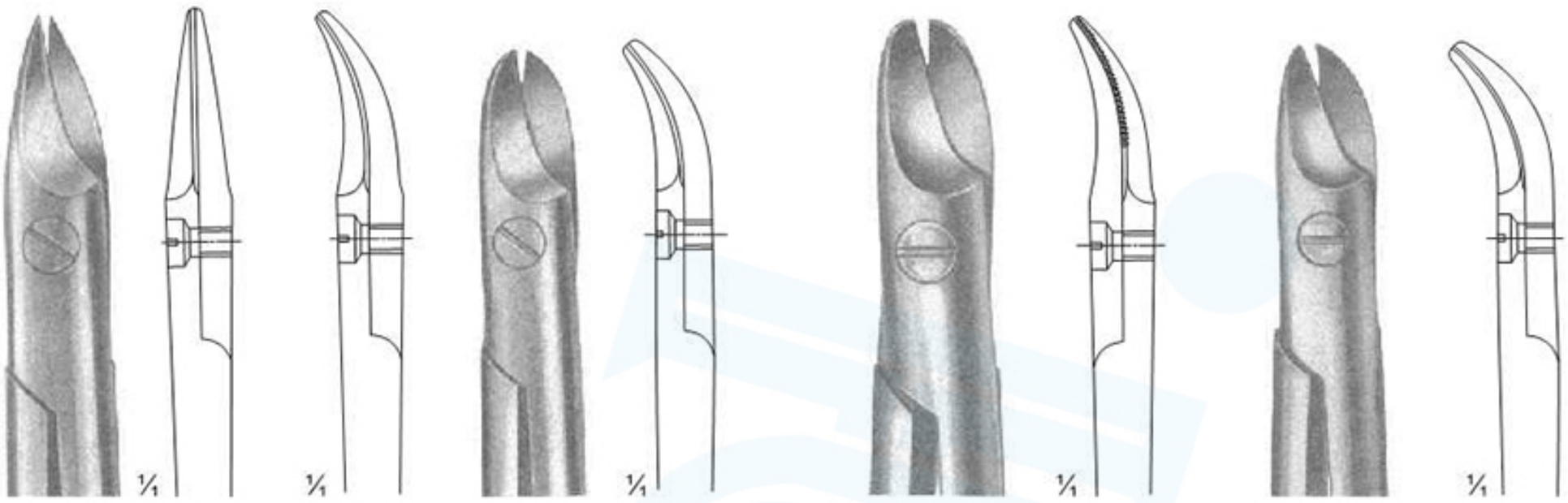

**03-332**
EISELSBERG
Size: 115 mm




**03-333**
SCHOEMAKER-LOTH
Size: 125 mm

THORACIC SURGICAL INSTRUMENTS

# Wire and Plate Scissors

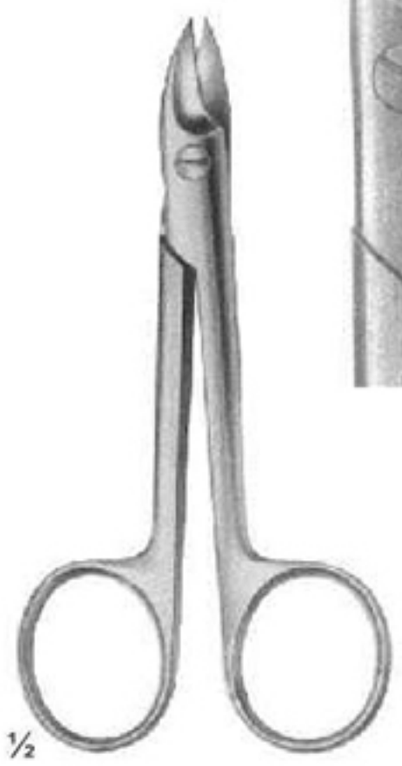



**03-334** **03-335**

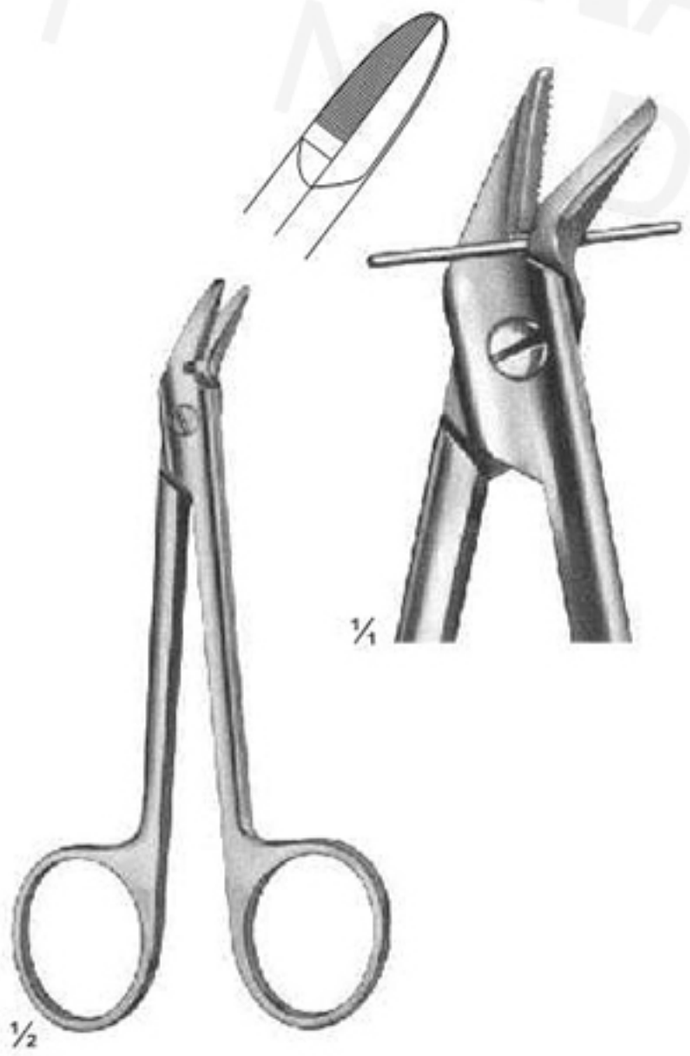
**03-336**
Broad Blades

**03-337**
1 Blade Serrated

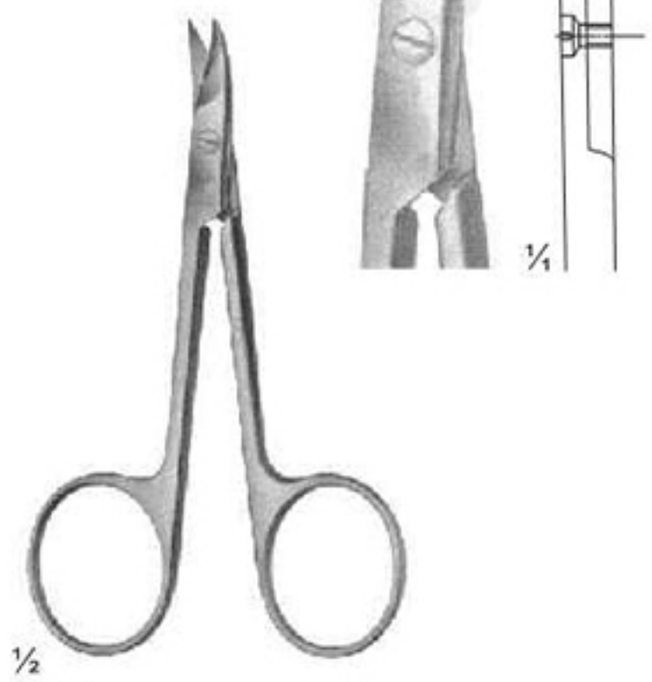
**03-338**
NAUJOKS
Strongly Curved



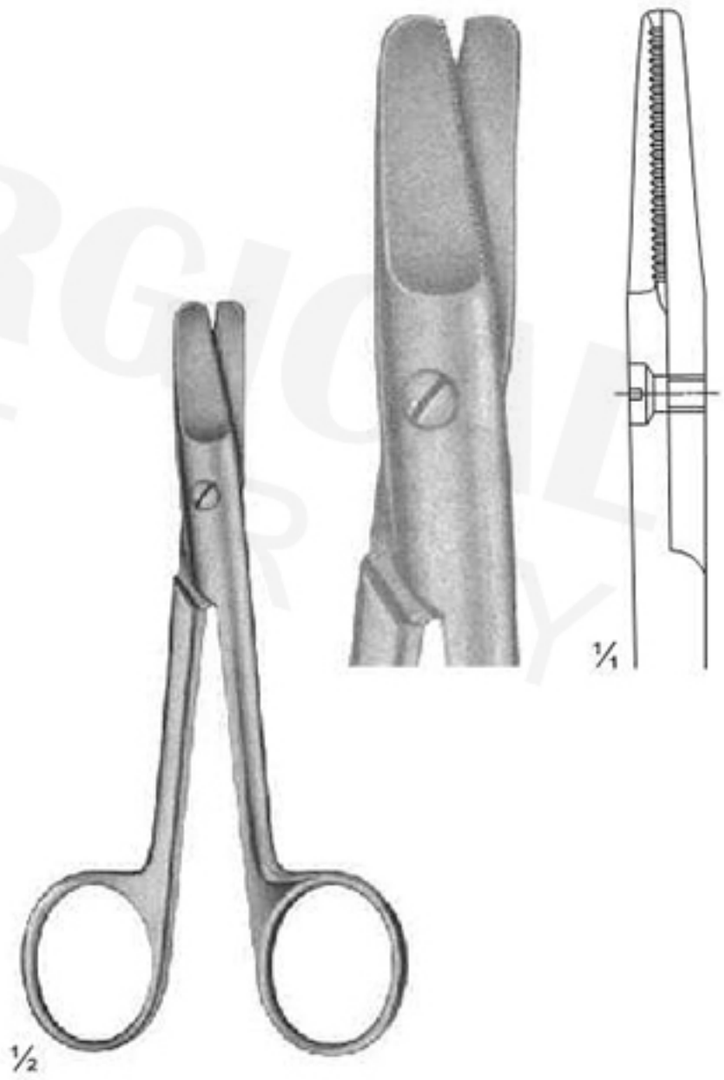

**03-334 - 338**
BEEBE
Size: 110 mm




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



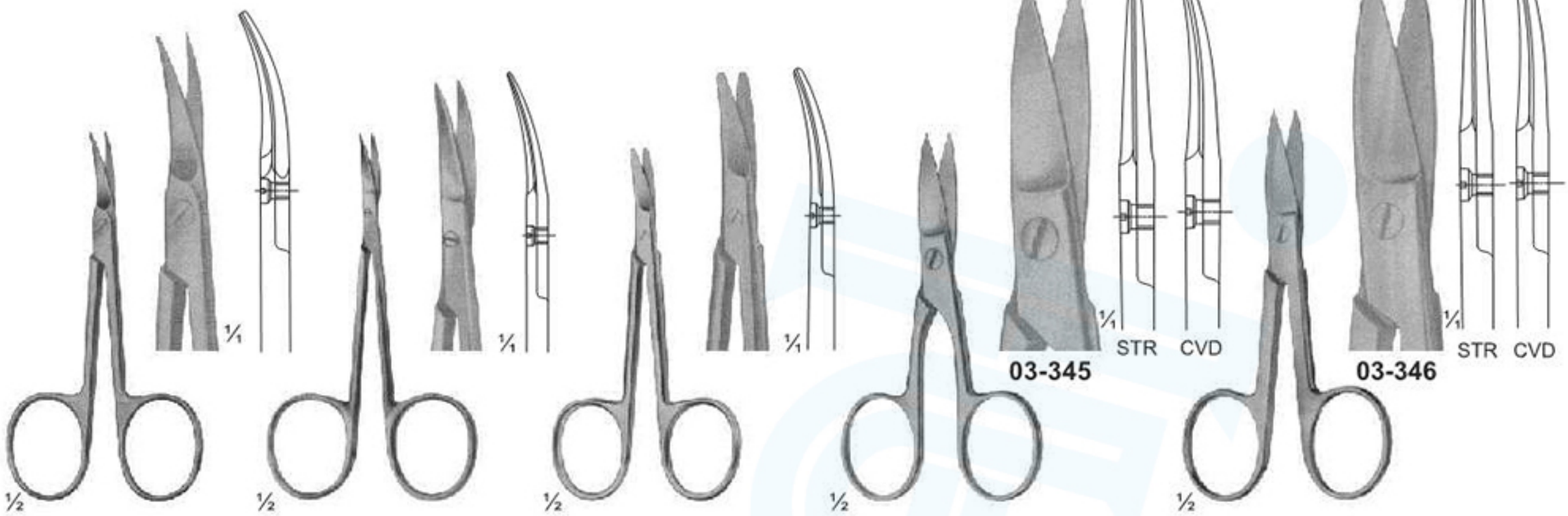

**03-340**
STRACK
Size: 100 mm




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

THORACIC SURGICAL INSTRUMENTS

# Wire and Plate Scissors



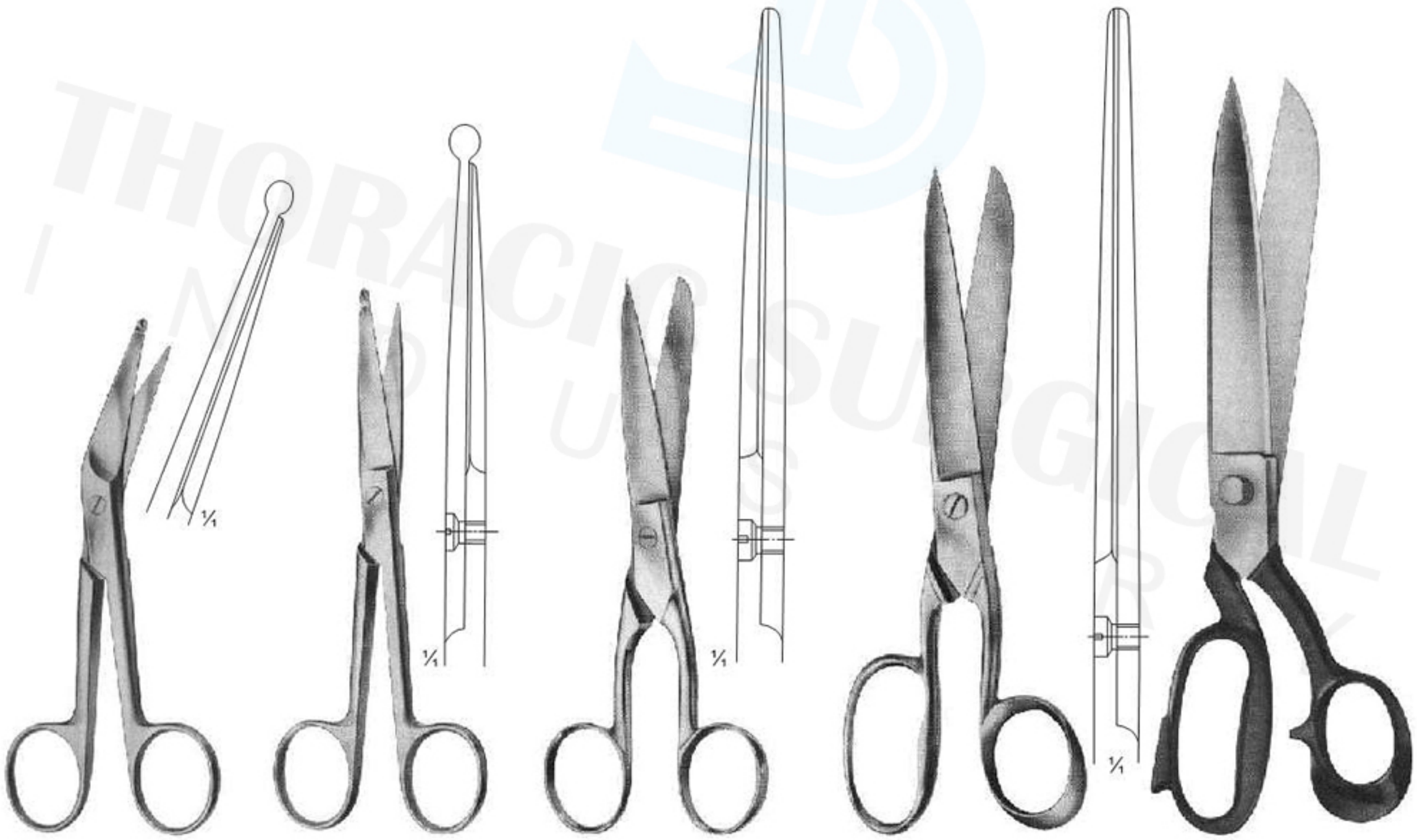

**03-342**
NAIL SCISSORS
Size: 90 mm

**03-343**
NAIL SCISSORS
Size: 90 mm

**03-344**
BABY NAIL SCISSORS
Size: 85 mm

**03-345**
NAIL SCISSORS
Size: 90 mm

**03-346**
NAIL SCISSORS
Size: 90 mm




**03-347**
KNOWLES
Size: 140 mm

**03-348**
KNOWLES
Size: 145 mm

**03-349**
Size: 150 mm

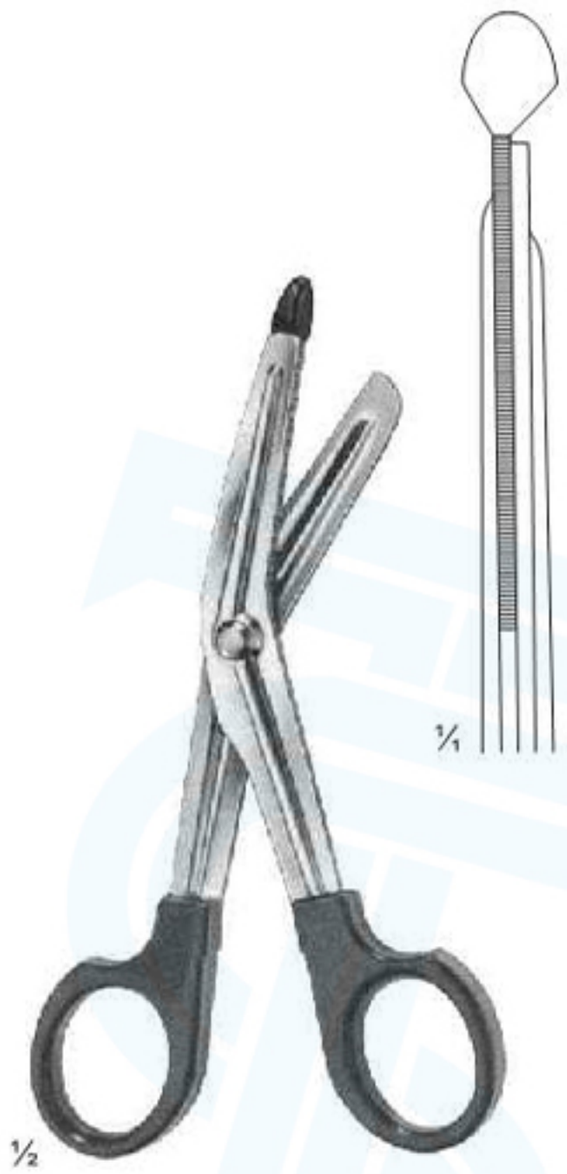
**03-350**
SMITH
Size: 180 mm

**03-351**
Size: 310 mm

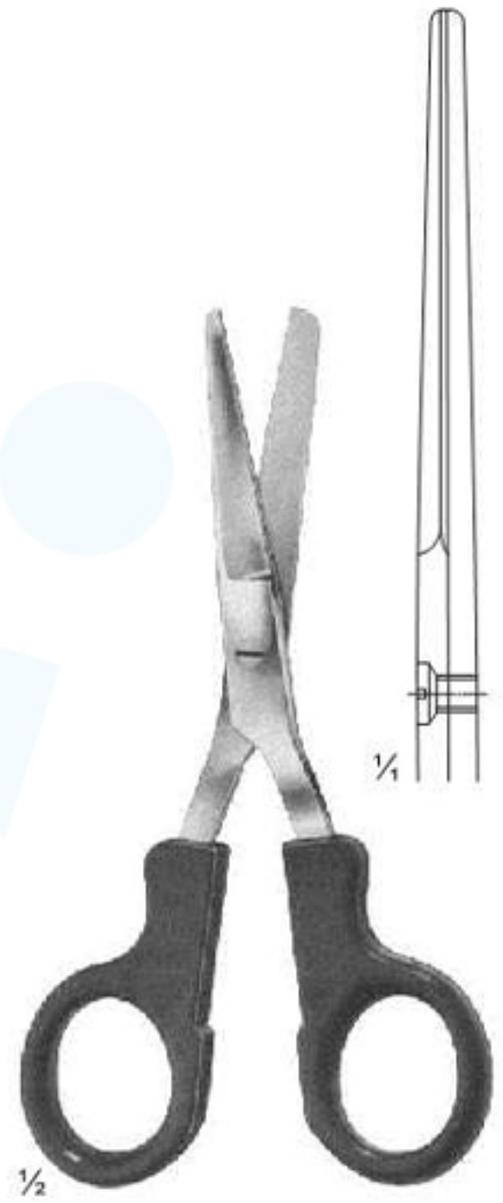
# Bandage and Cloth Scissors



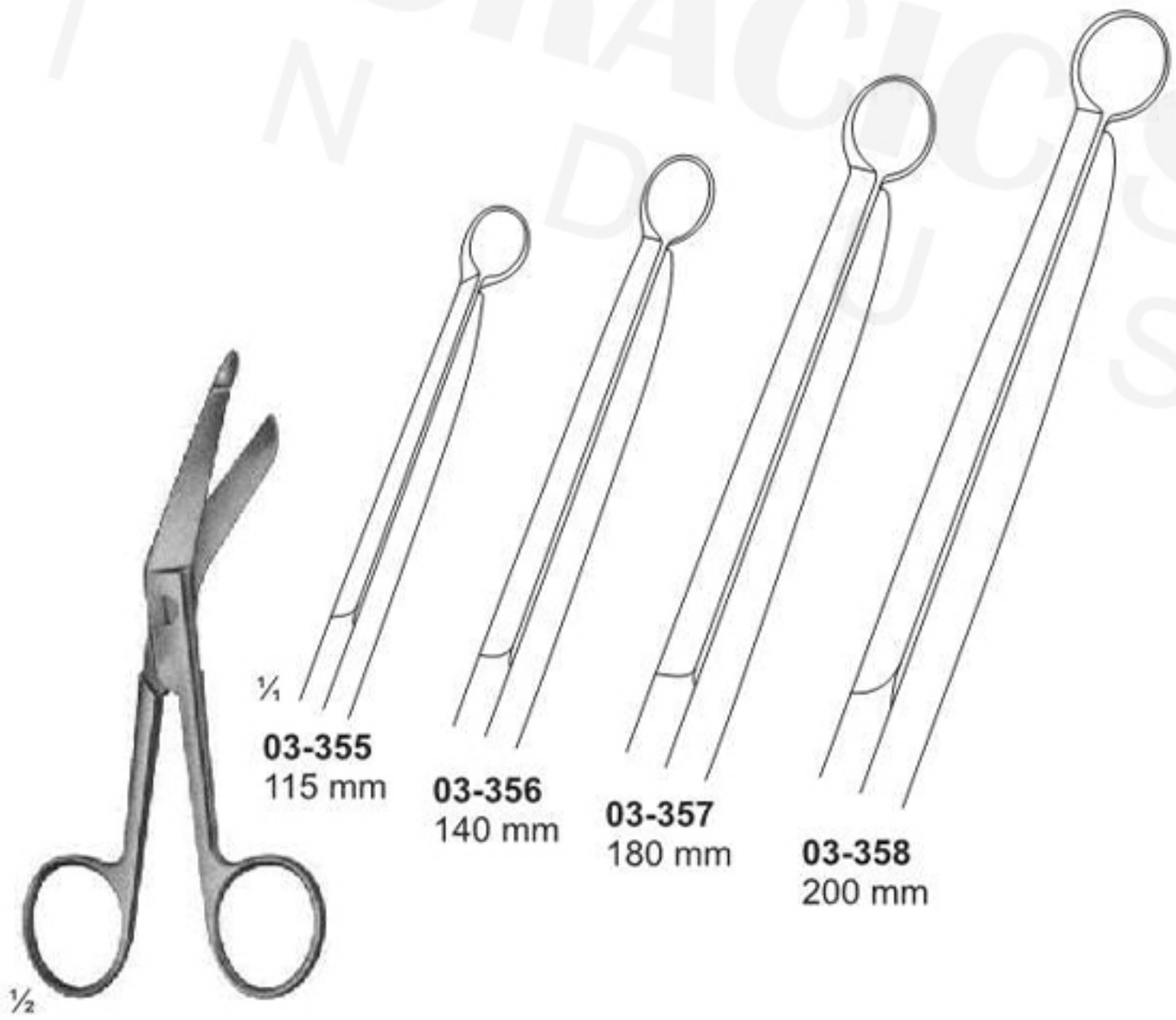

**03-352**
UNIVERSAL AND BANDAGE SCISSORS
180 mm




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




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



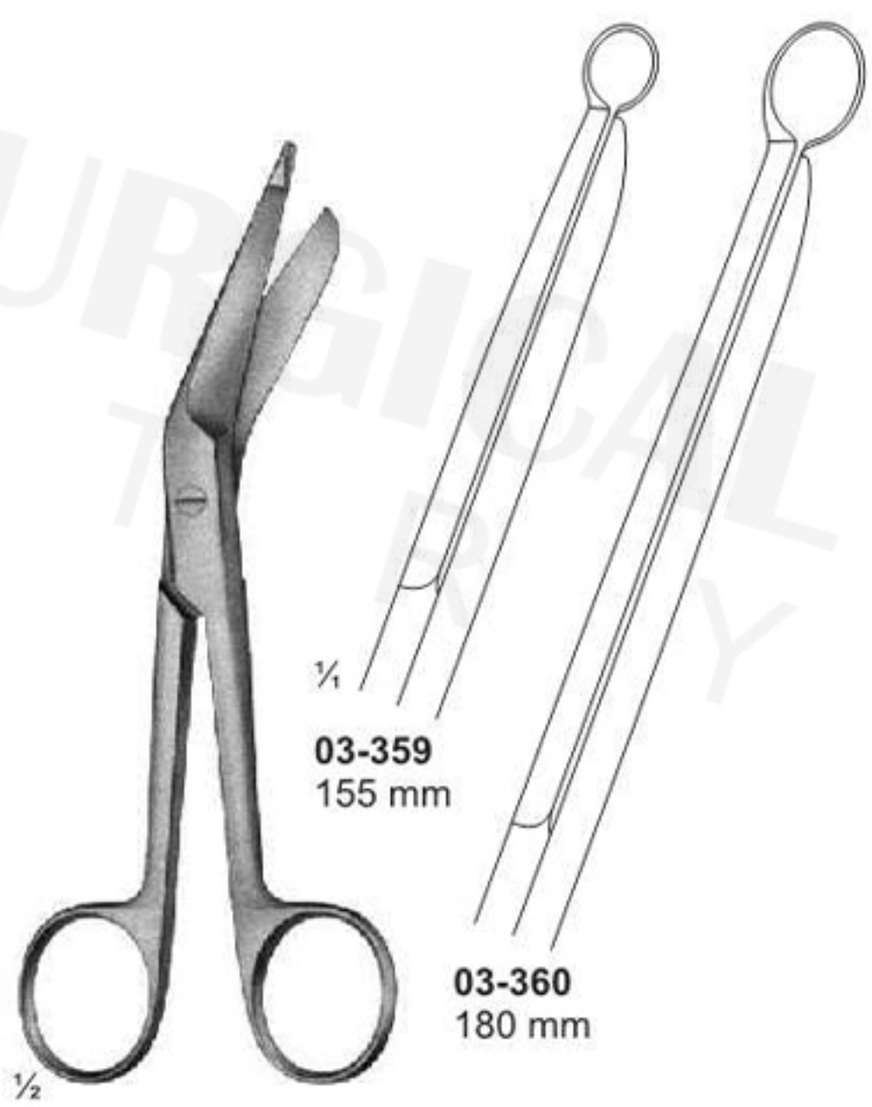

**03-355**
115 mm

**03-356**
140 mm

**03-357**
180 mm

**03-358**
200 mm

**03-355 - 358**
LISTER




**03-359**
155 mm

**03-360**
180 mm

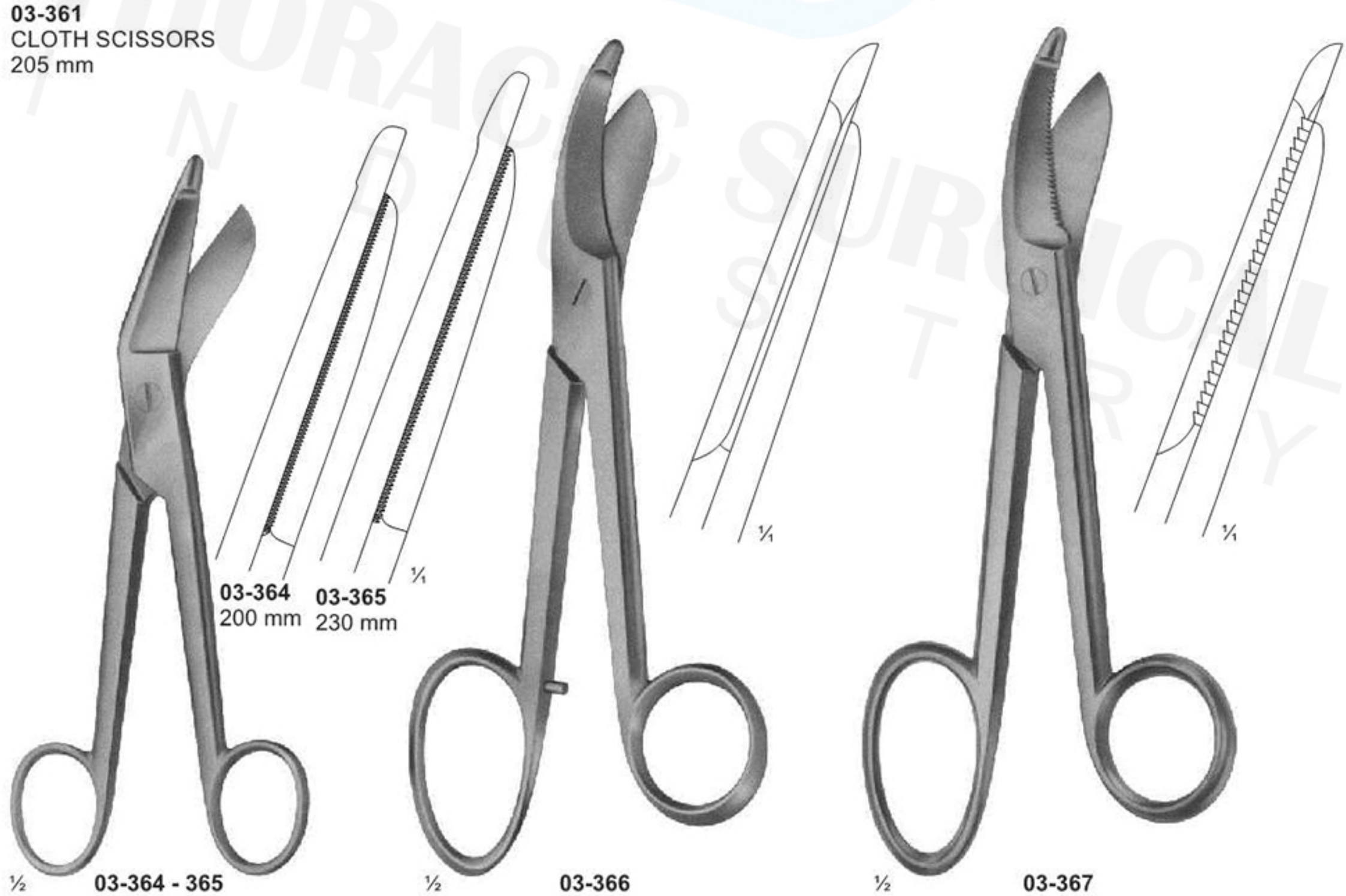
**03-359 - 360**
LISTER

THORACIC SURGICAL INDUSTRY

# Bandage, Cloth and Plaster Scissors




**03-361**
CLOTH SCISSORS
205 mm




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

**03-363**
SEUTIN
230 mm

**03-364**
200 mm

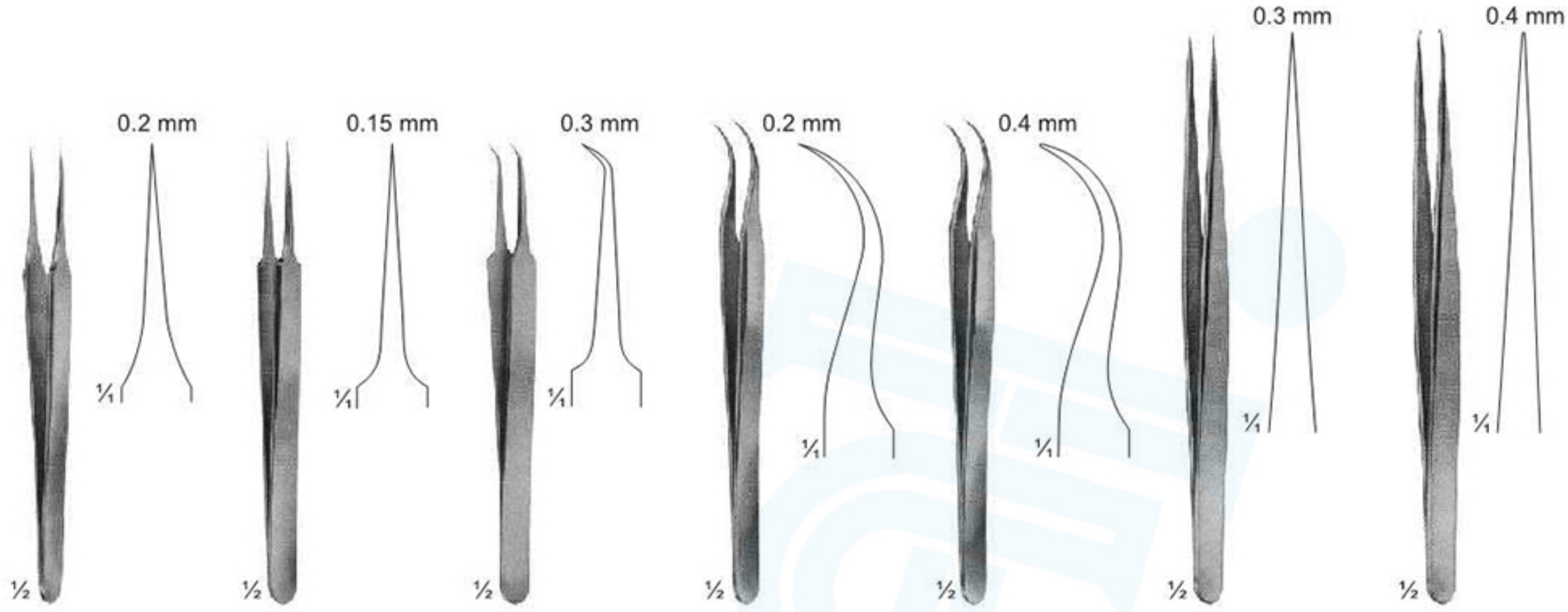
**03-365**
230 mm

**03-364 - 365**
ESMARCH

**03-366**
BRUNS
235 mm

**03-367**
BRUNS
235 mm

# Micro Forceps, Jeweler Types




**04-101**
110 mm

**04-102**
110 mm

**04-103**
110 mm

**04-104**
115 mm

**04-105**
1 x 2 teeth
115 mm

**04-106**
135 mm

**04-107**
1 x 2 teeth
135 mm




**04-108**
1 x 2 teeth
95 mm

**04-109**
120 mm

**04-110**
VISE
135 mm

**04-111**
VISE
135 mm

**04-112**
LAZAR
155 mm

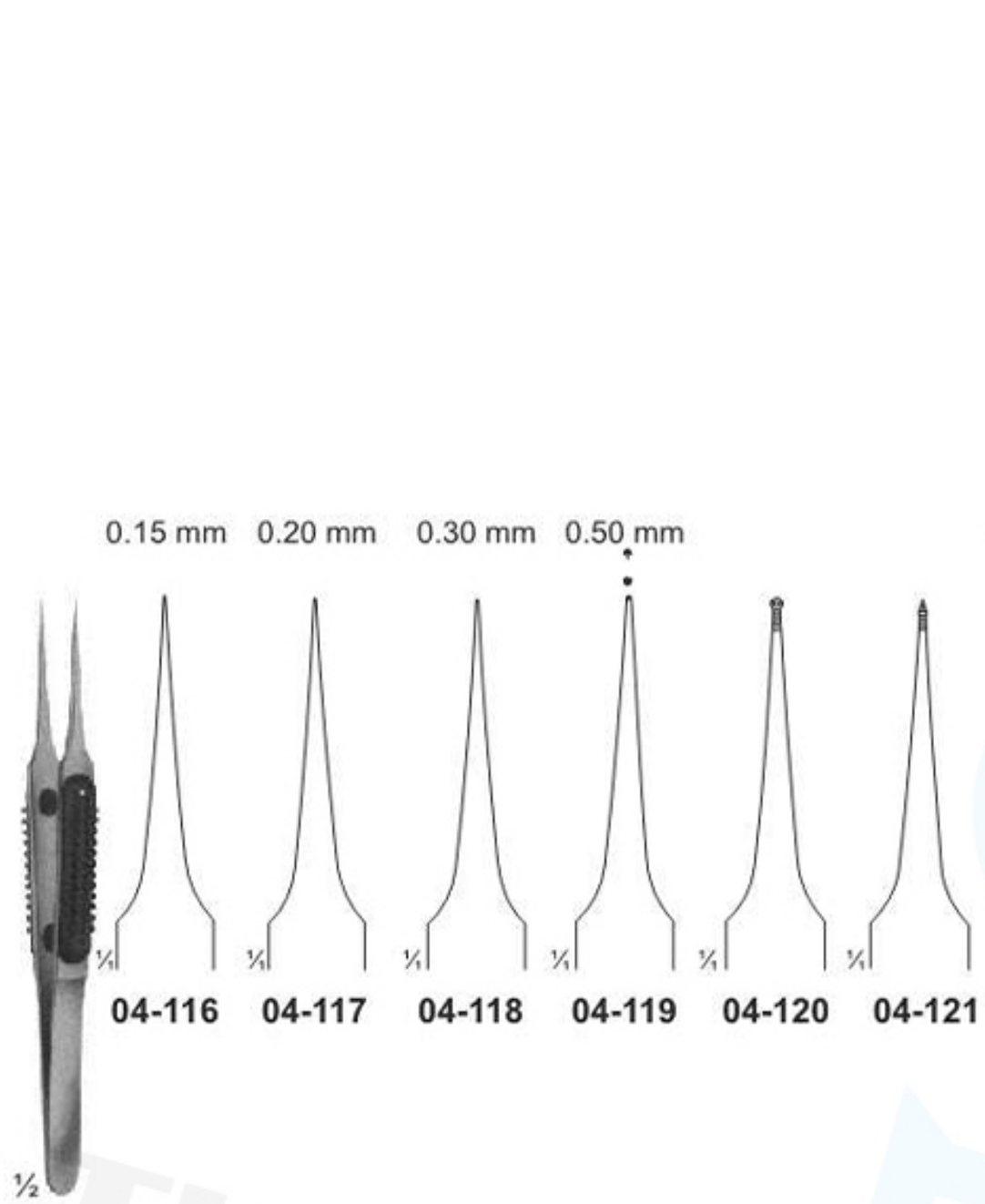
**04-113**
LAZAR
155 mm

**04-114**
185 mm

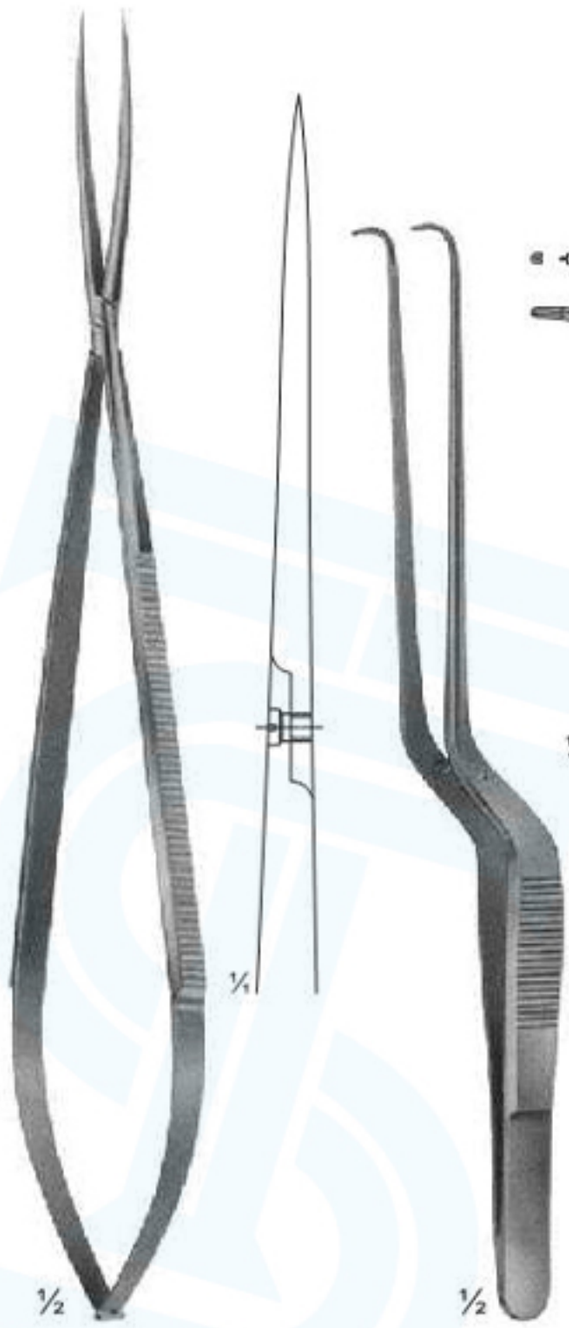
**04-115**
AUSTIN
185 mm

THORACIC SURGICAL INDUSTRY

# Ligature Forceps, Micro Forceps (Light Patterns)



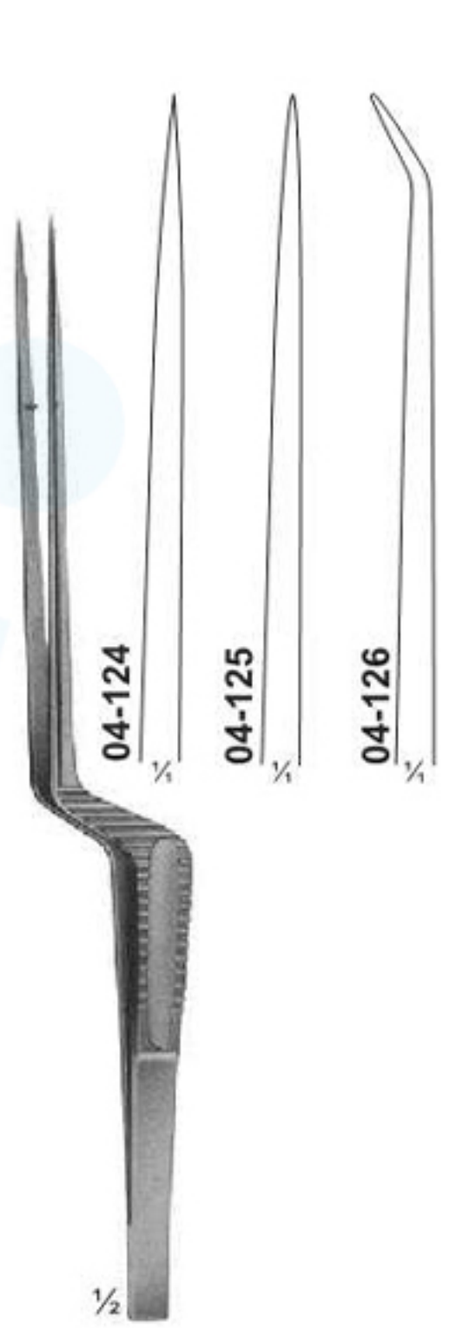

**04-116 - 121**
MULLER
110 mm



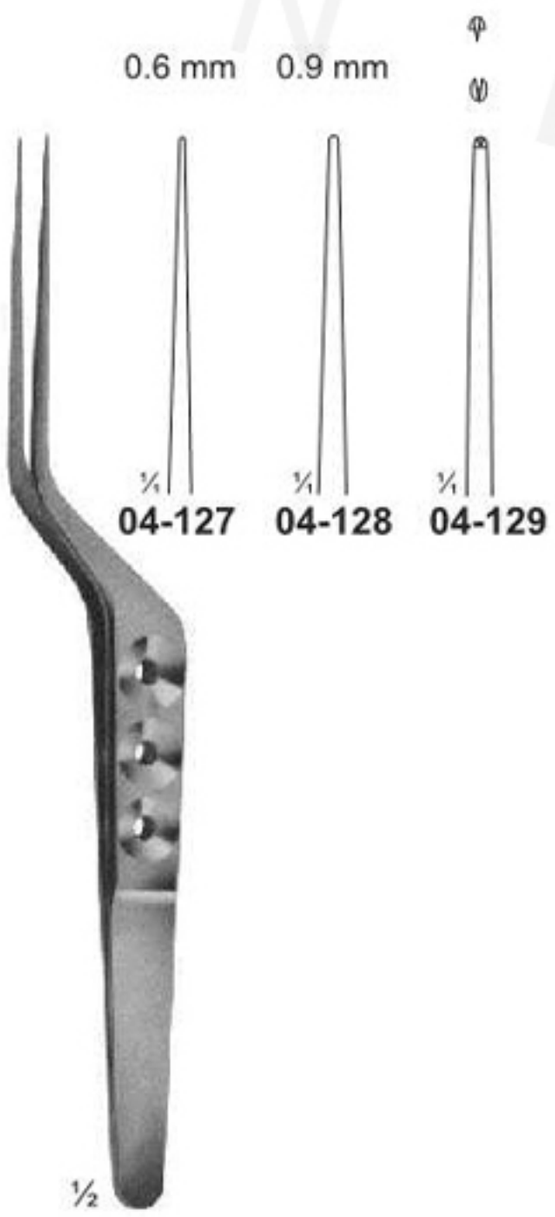

**04-122**
LIGATURE FORCEPS
220 mm




**04-123**
YASARGIL
185 mm




**04-124 - 126**
MICRO FORCEPS
185 mm



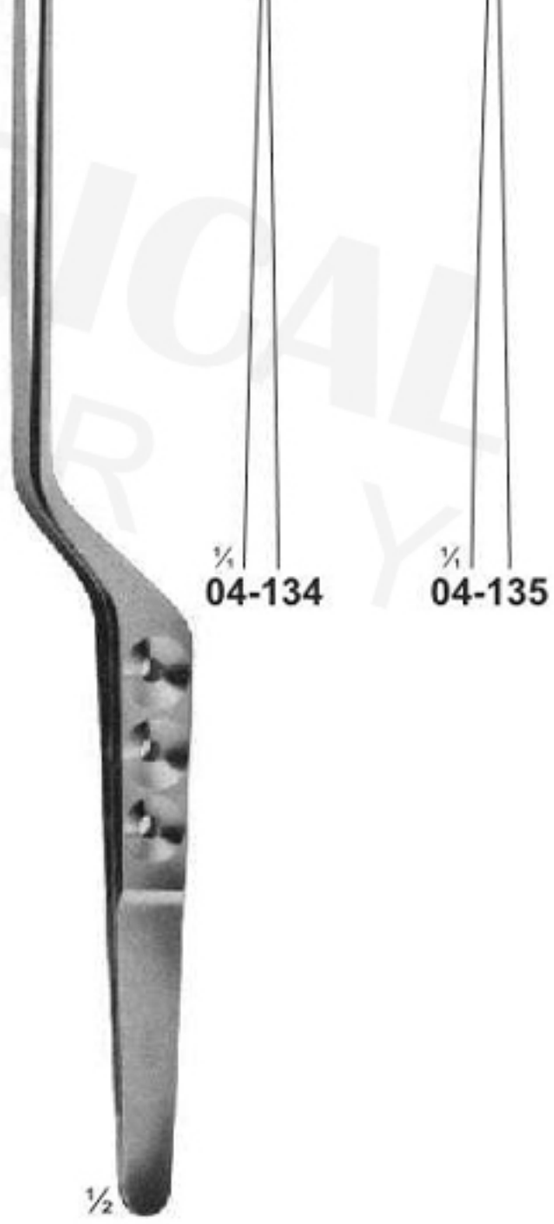

**04-127 - 129**
YASARGIL
180 mm




**04-130 - 131**
YASARGIL
200 mm




**04-132 - 133**
YASARGIL
220 mm




**04-134 - 135**
YASARGIL
240 mm

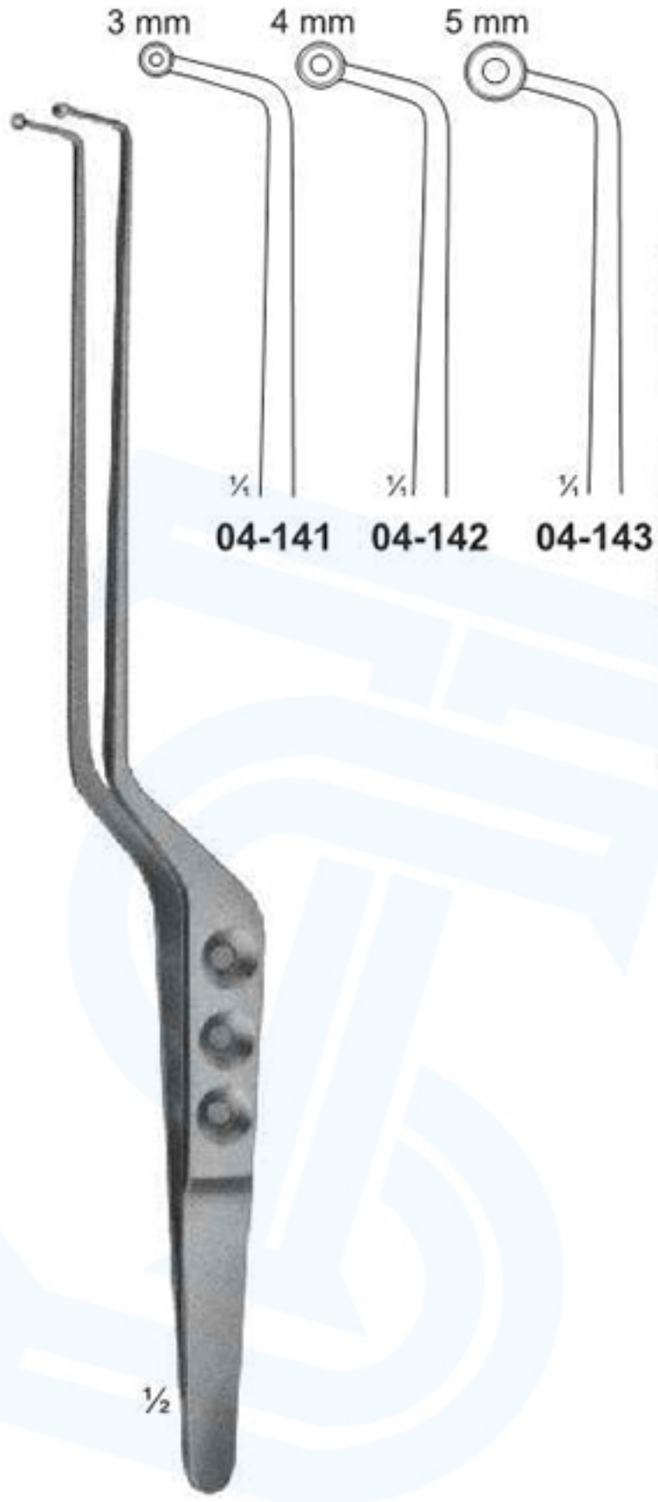
# Forceps for Grasping Tissue, Tumors



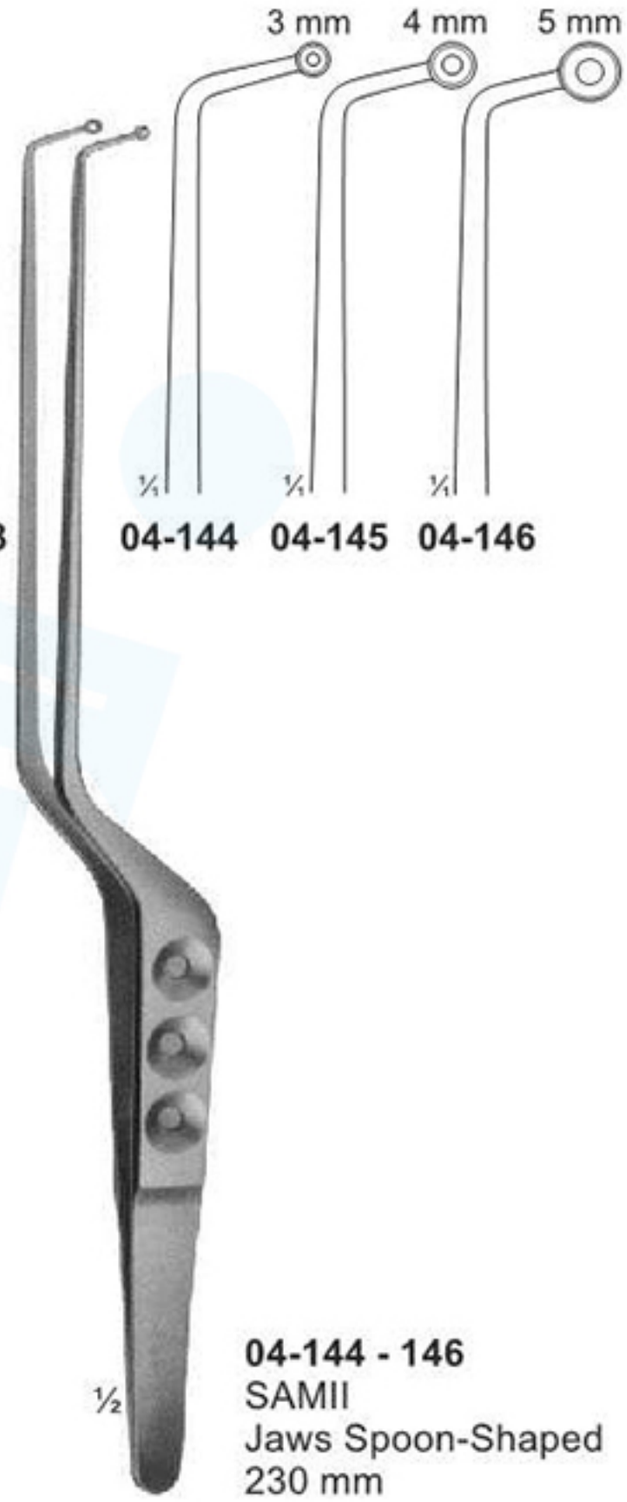

**04-136 - 138**
YASARGIL-SAMI
Jaws Spoon-Shaped
240 mm



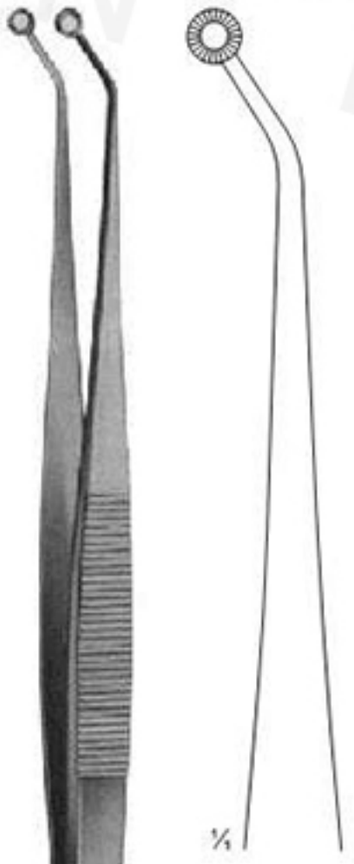

**04-139 - 140**
YASARGIL
Jaws Spoon-Shaped
220 mm



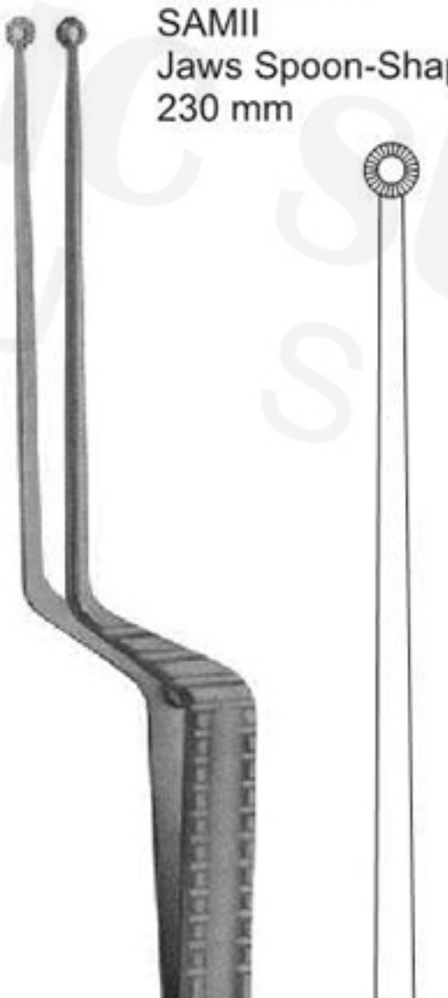

**04-141 - 143**
SAMII
Jaws Spoon-Shaped
230 mm



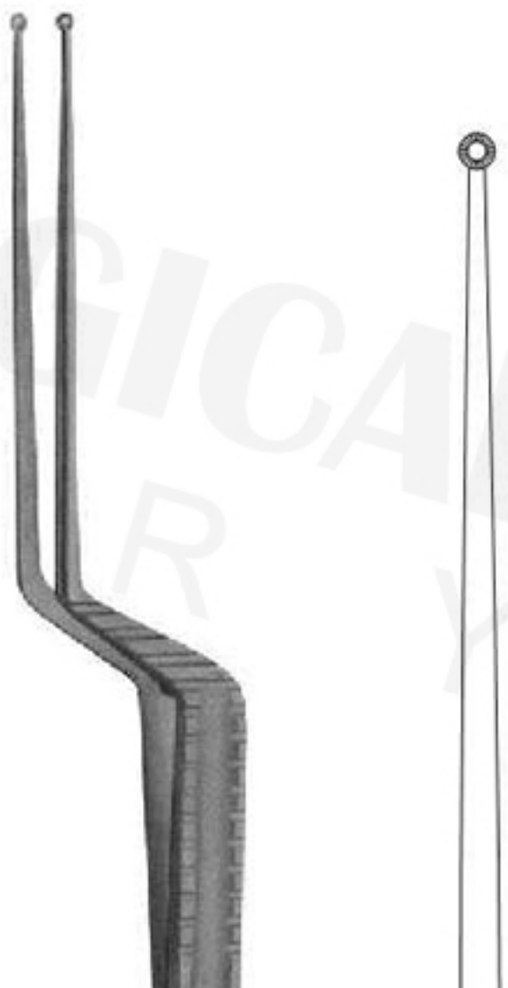

**04-144 - 146**
SAMII
Jaws Spoon-Shaped
230 mm




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

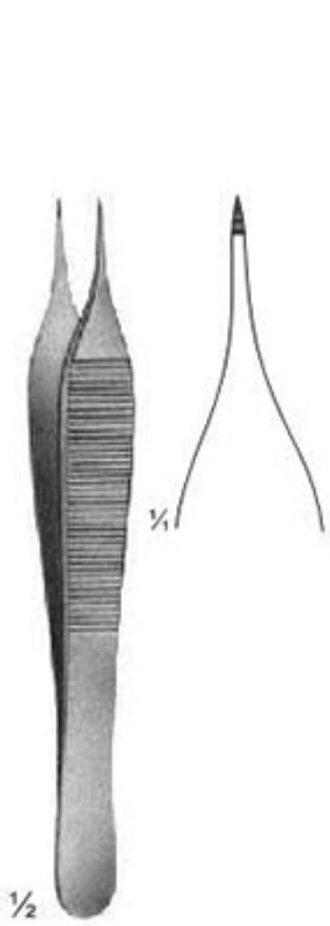



**04-148**
HUNT
Tumor-and Vessel Forceps
200 mm

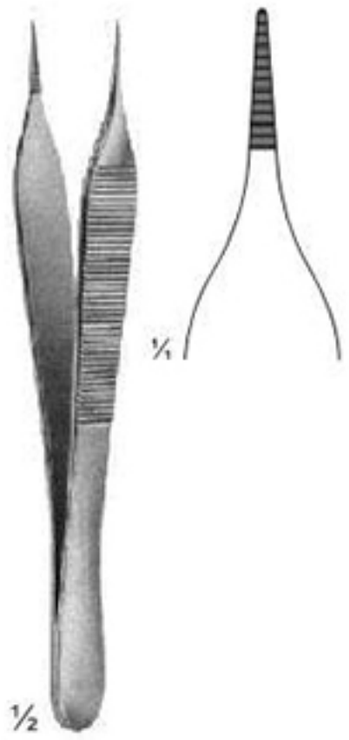



**04-149**
YASARGIL
Tumor-and Vessel Forceps
200 mm

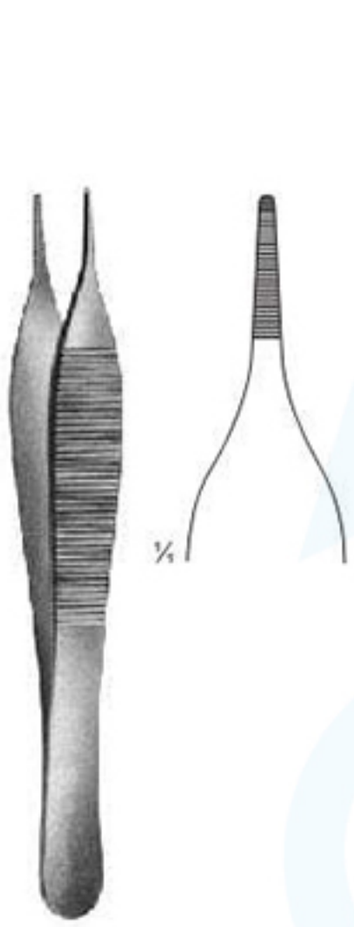
# Delicate Dissecting, Microscopic, Sterilizing Forceps



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



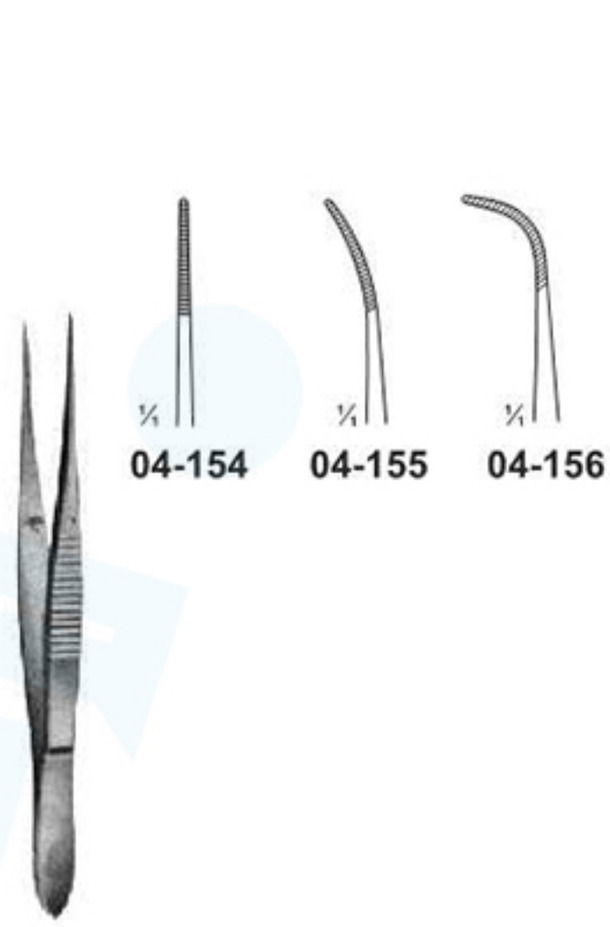
**04-151**
MICRO-ADSON
120 mm



**04-152**
ADSON
120 mm

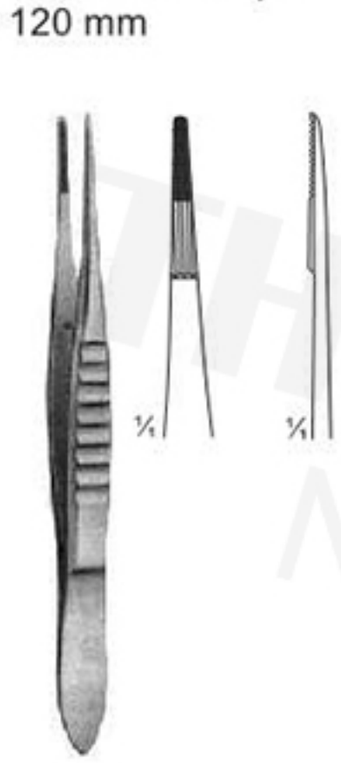


**04-153**
MICRO- ADSON
150 mm



**04-154 - 156**
100 mm

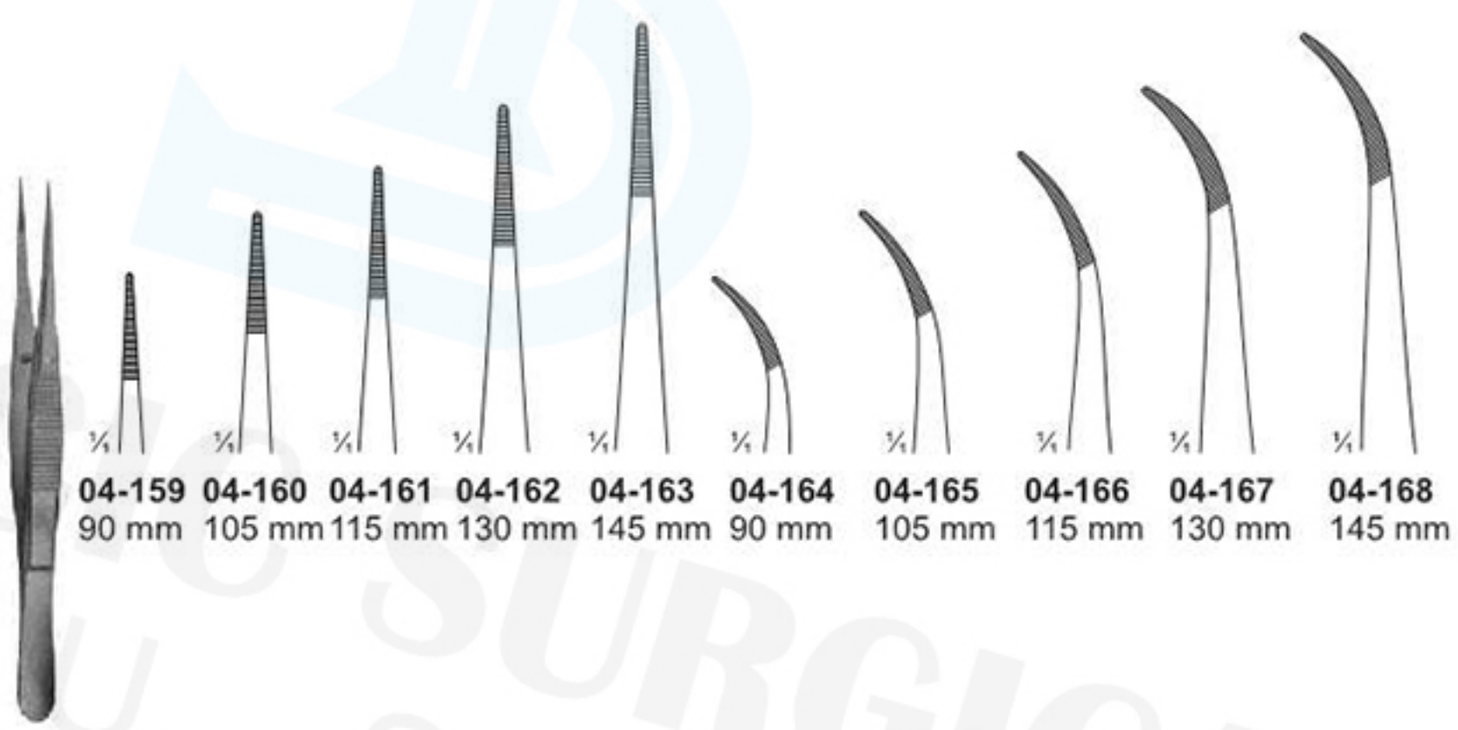
**04-154** **04-155** **04-156**



**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

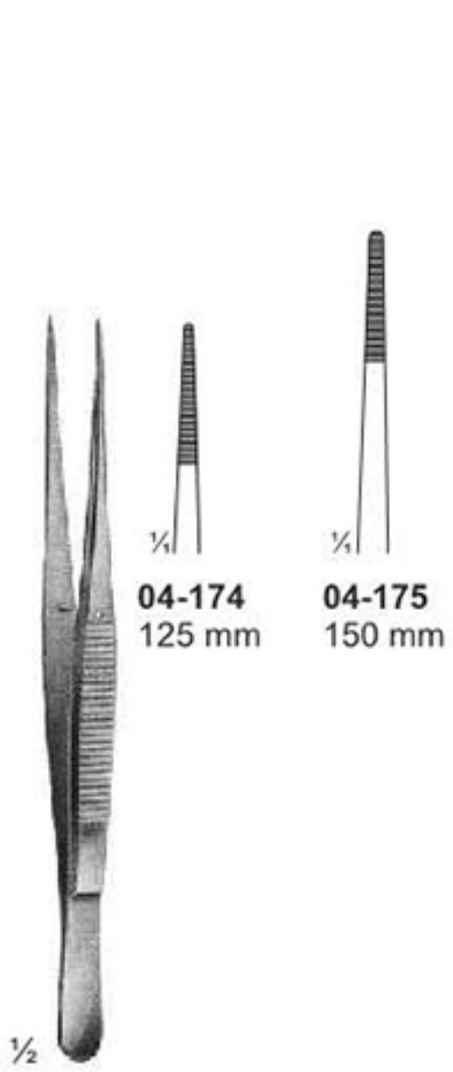


**04-172**
COVER GLASS FORCEPS
105 mm



**04-173**
160 mm

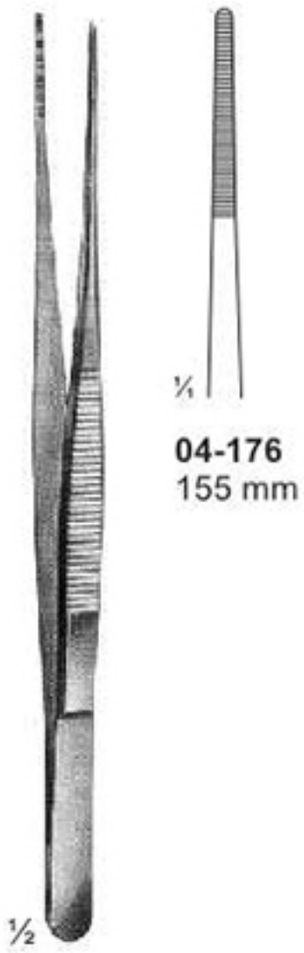
# Delicate Dissecting Forceps




**04-174**
125 mm

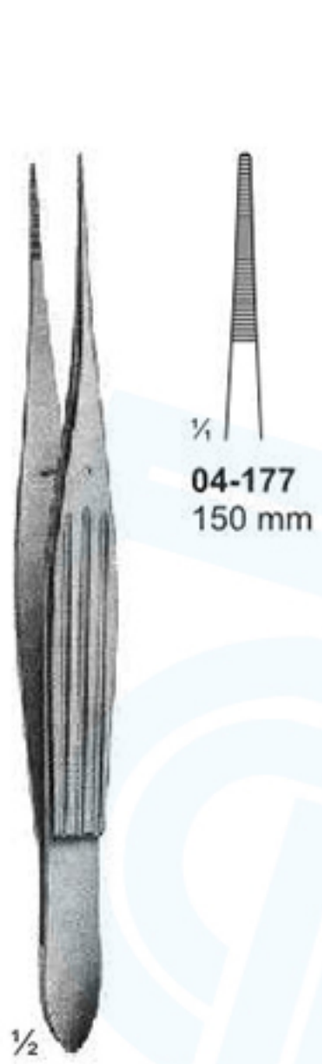
**04-175**
150 mm

**04-174 - 175**
SEMKEN



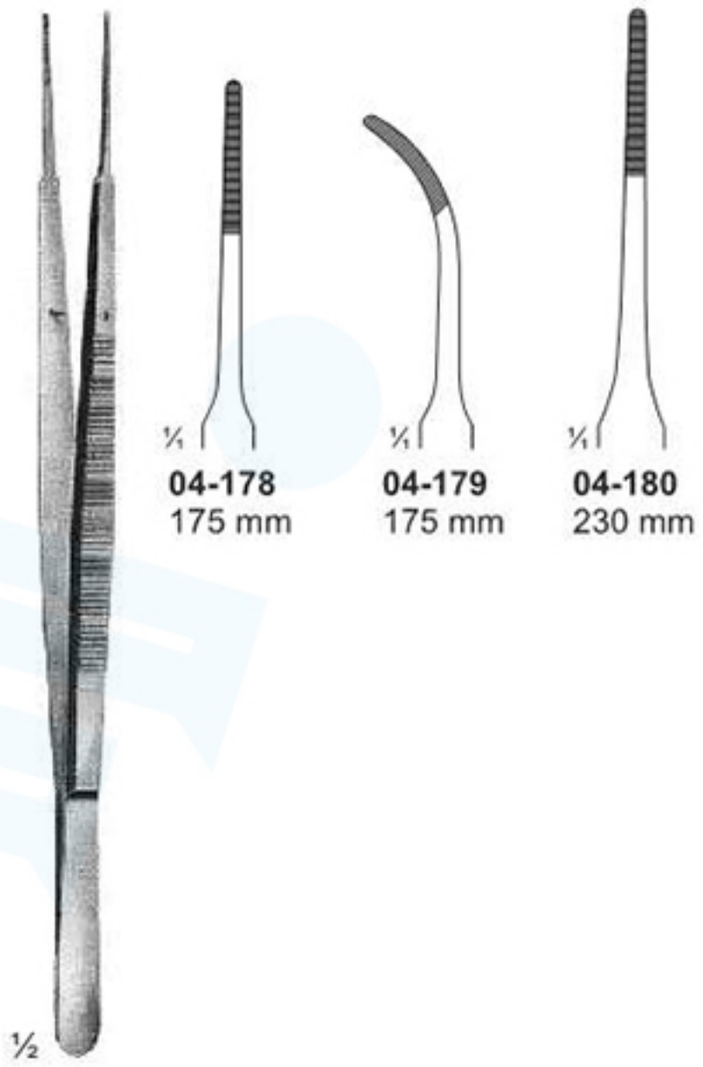

**04-176**
155 mm

**04-176**




**04-177**
150 mm

**04-177**
MC INDOE

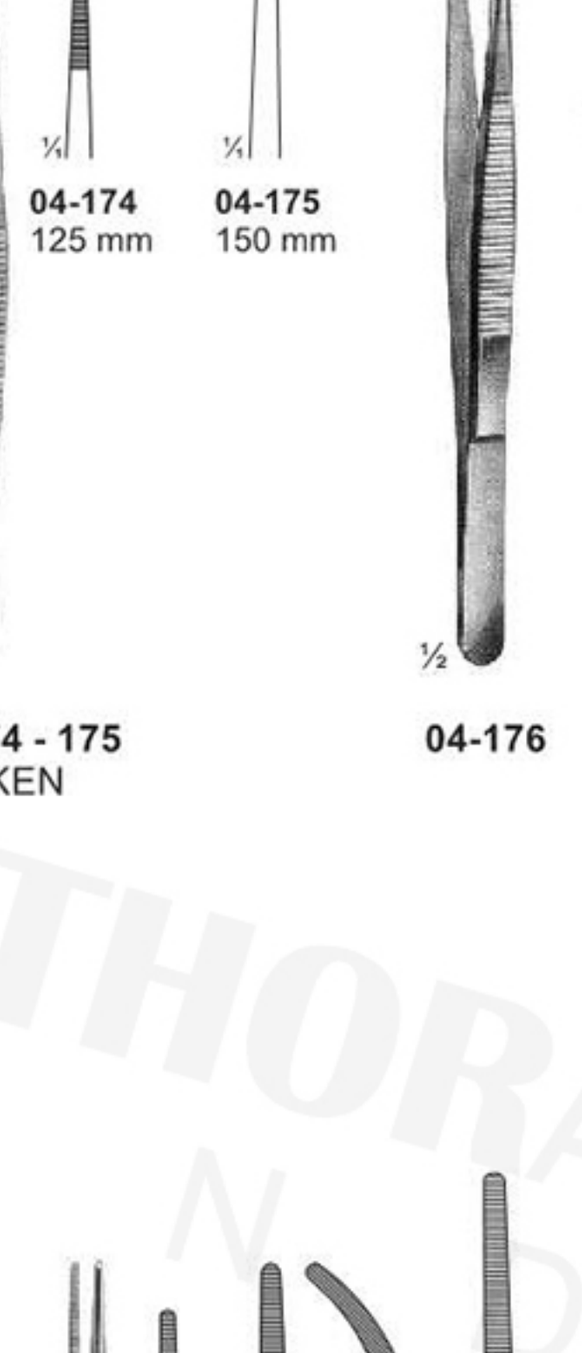



**04-178**
175 mm

**04-179**
175 mm

**04-180**
230 mm

**04-178 - 180**
GERALD




**04-181**
180 mm

**04-182**
200 mm

**04-183**
200 mm

**04-184**
250 mm

**04-181 - 184**
CUSHING




**04-185**
200 mm

**04-186**
200 mm

**04-185 - 186**
BROPHY




**04-187**
185 mm

**04-188**
200 mm

**04-187 - 188**
SMOOTH JAWS




**04-189**
200 mm

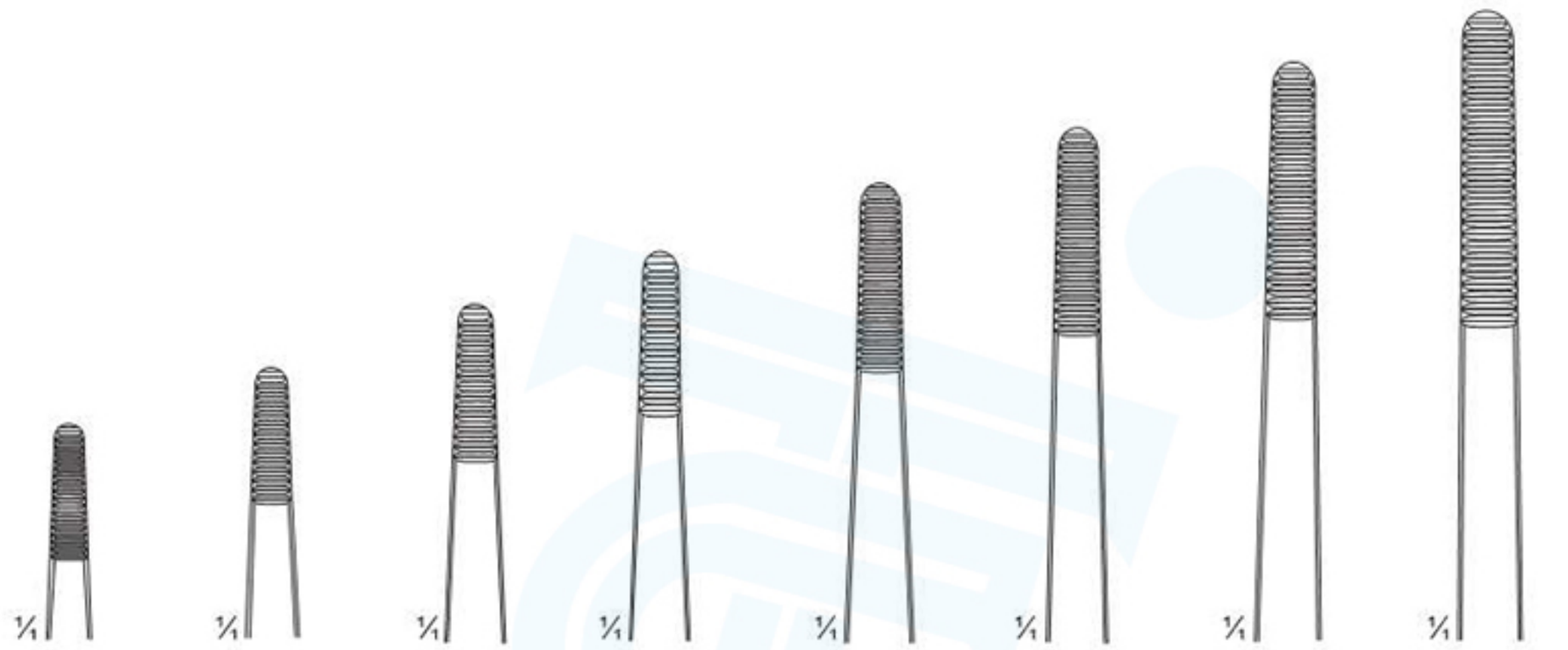
**04-189**

THORACIC SURGICAL INSTRUMENTS

# Dissecting Forceps




**04-190 - 197**
STANDARD




**04-190**
**115 mm**

**04-191**
**130 mm**

**04-192**
**145 mm**

**04-193**
**160 mm**

**04-194**
**180 mm**

**04-195**
**200 mm**

**04-196**
**250 mm**

**04-197**
**300 mm**







**04-198**
115 mm

**04-199**
130 mm

**04-200**
145 mm

**04-201**
160 mm

**04-202**
305 mm

**04-198 - 202**
MEDIUM







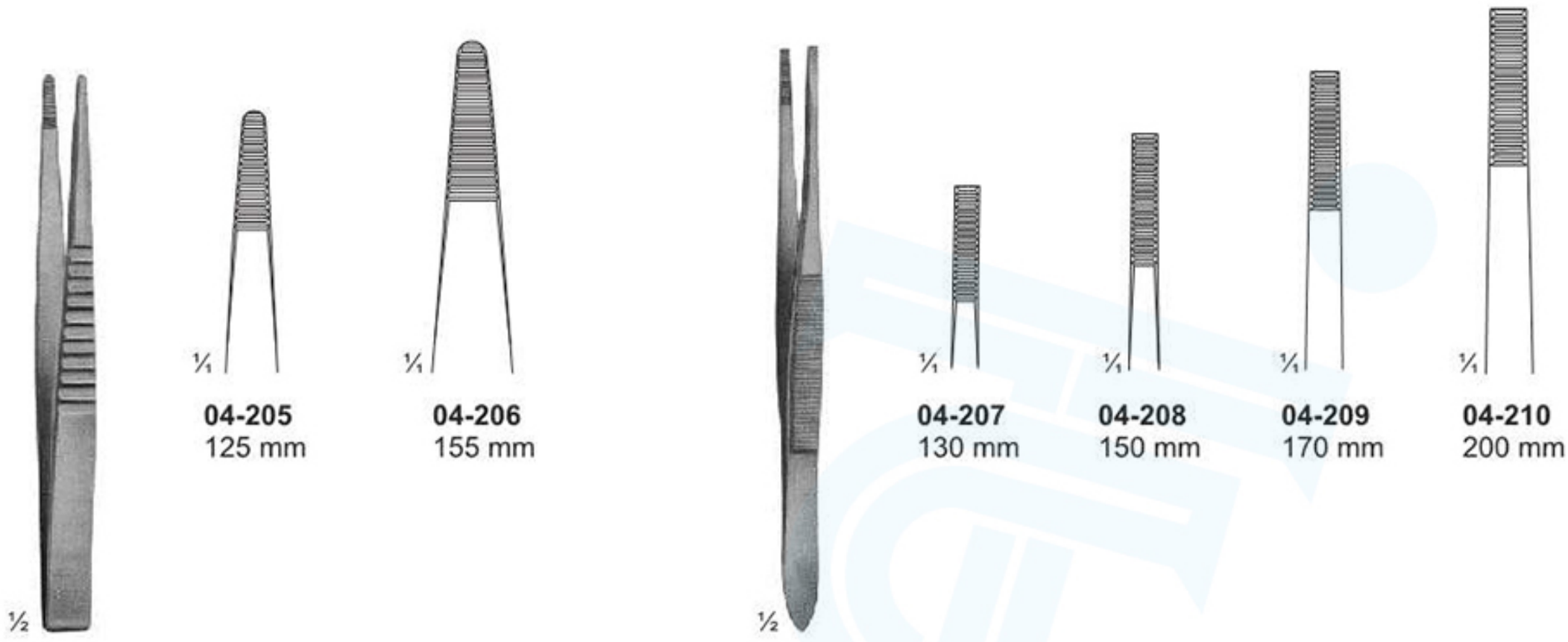
**04-203**
130 mm

**04-204**
145 mm

**04-203 - 204**
MEDIUM

THORACIC SURGICAL INDUSTRIES

# Dissecting Forceps




**04-205**
125 mm

**04-206**
155 mm

**04-205 - 206**

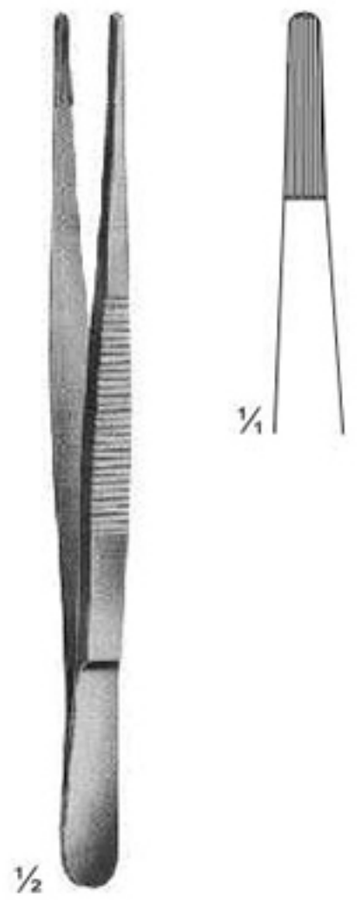
**04-207**
130 mm

**04-208**
150 mm

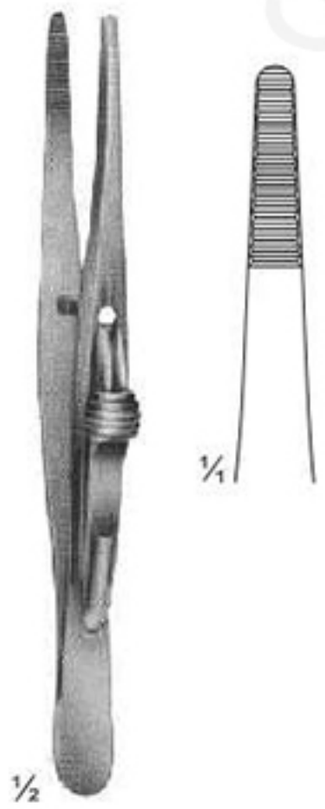
**04-209**
170 mm

**04-210**
200 mm

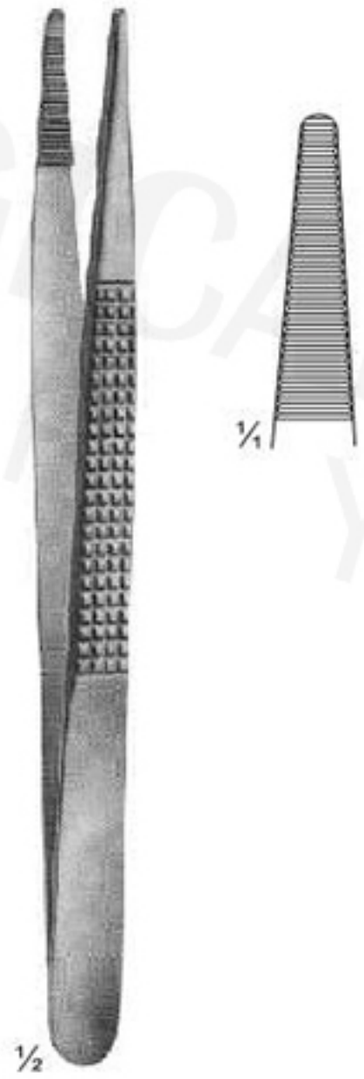
**04-207 - 210**




**04-211**
OCHSNER




**04-212**
FRICKE




**04-213**
BONNEY

THORACIC SURGICAL INDUSTRY

# Ultra-Light Forceps




**04-214**
150 mm

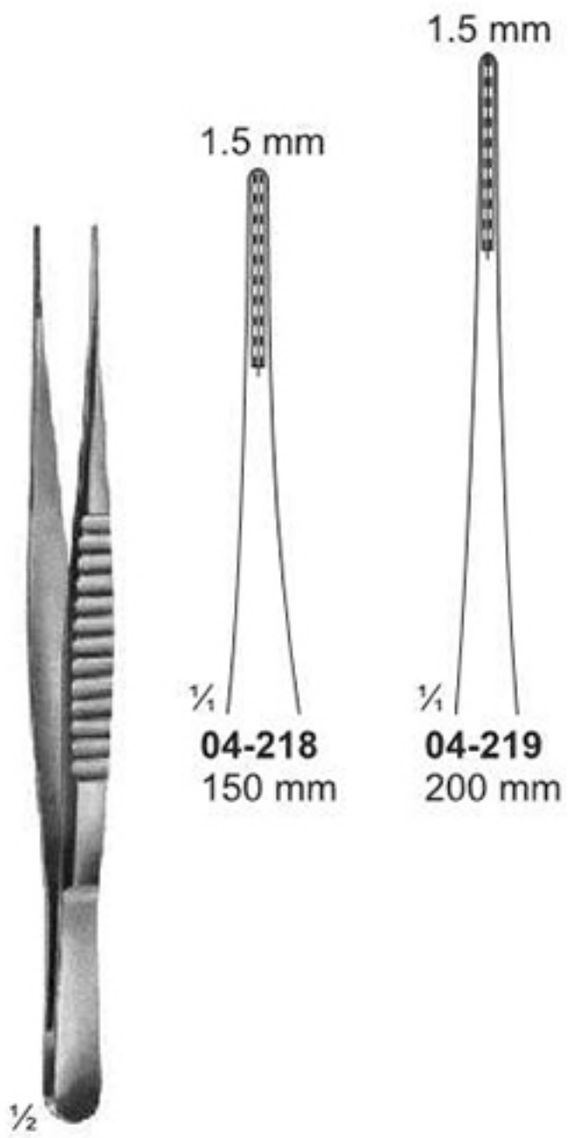
**04-215**
200 mm

**04-216**
240 mm

**04-217**
300 mm

THORACIC INSTRUMENTS & SURGICAL SUPPLY

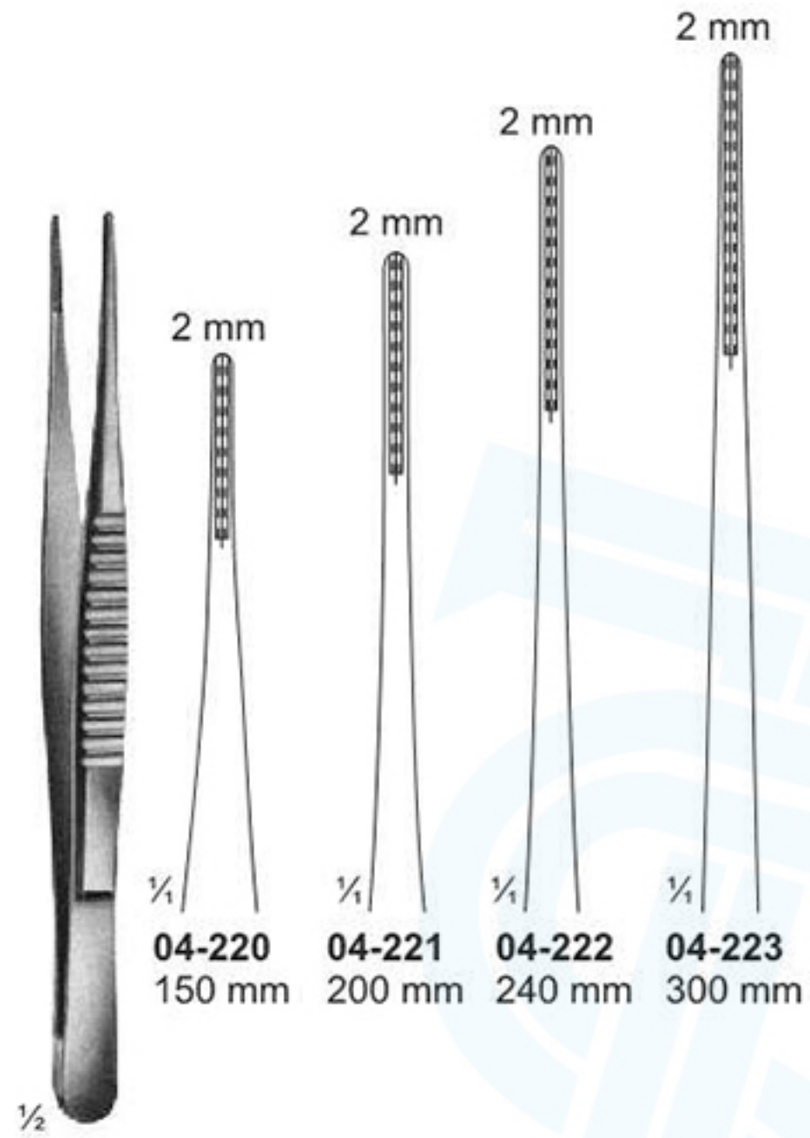
# Forceps




**04-218** 150 mm

**04-219** 200 mm

**04-218 - 219**
DE BAKEY



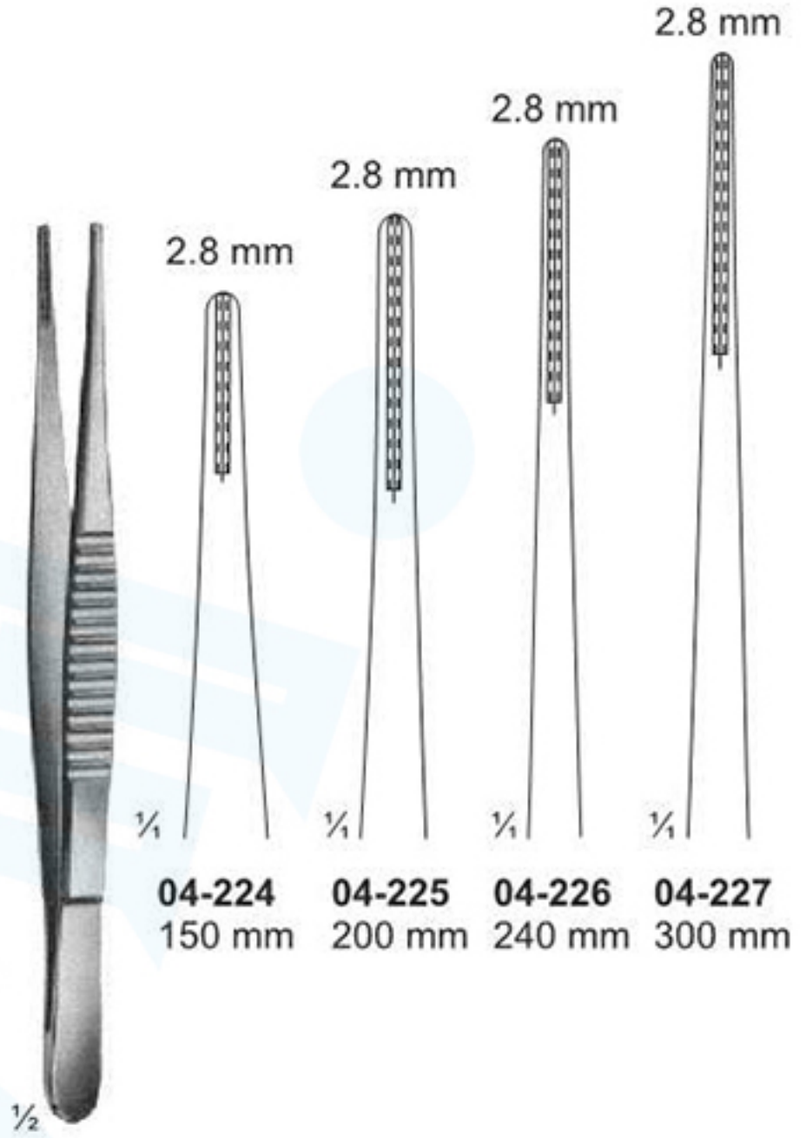

**04-220** 150 mm

**04-221** 200 mm

**04-222** 240 mm

**04-223** 300 mm

**04-220 - 223**
DE BAKEY



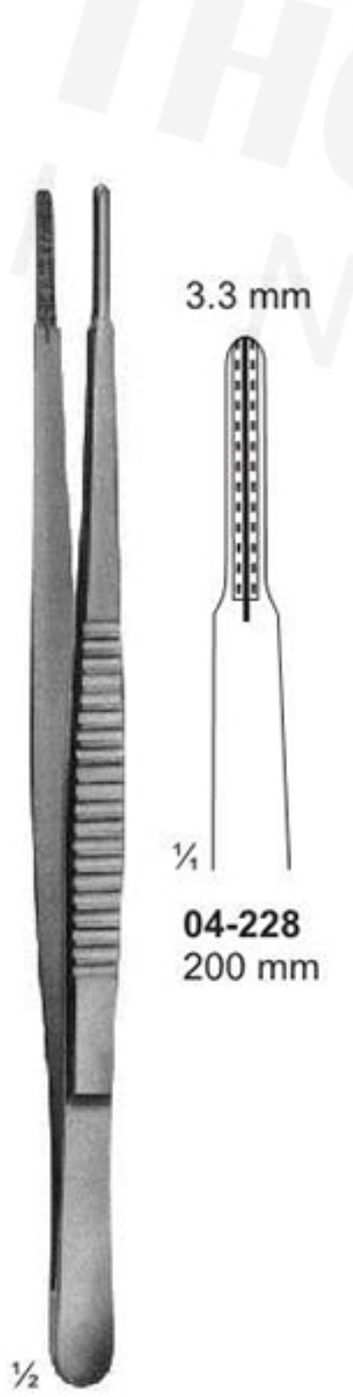

**04-224** 150 mm

**04-225** 200 mm

**04-226** 240 mm

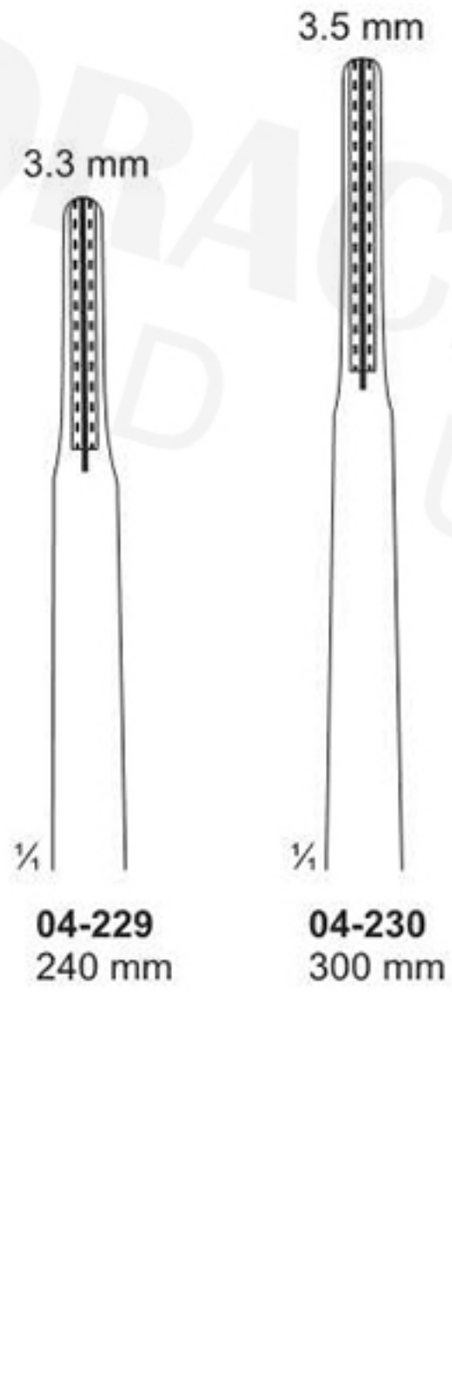
**04-227** 300 mm

**04-224 - 227**
DE BAKEY



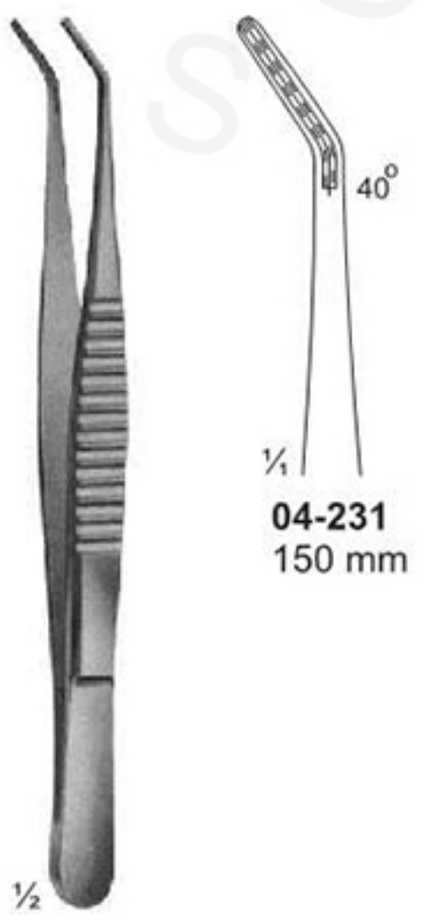

**04-228** 200 mm

**04-228 - 230**
DE BAKEY



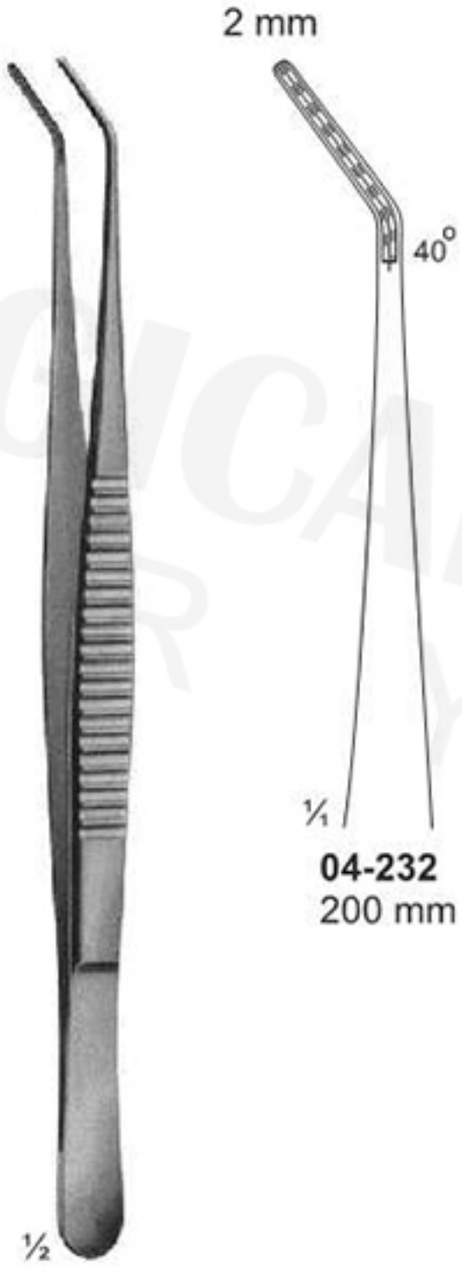

**04-229** 240 mm

**04-230** 300 mm




**04-231** 150 mm

**04-231**
DE BAKEY



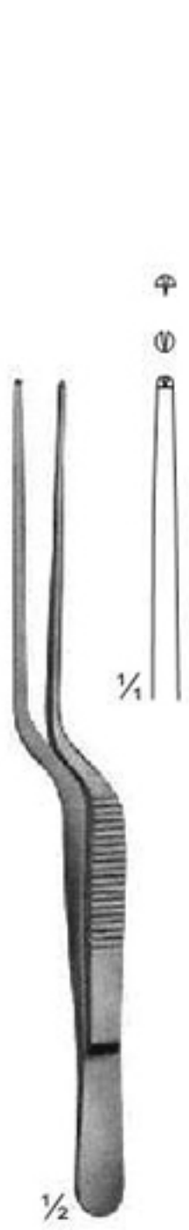

**04-232** 200 mm

**04-232**
DE BAKEY

# Forceps, Bayonet - Shaped



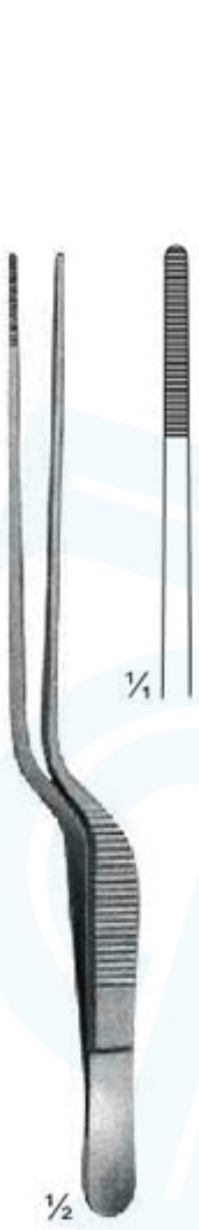
**04-233**
LUCAE
140 mm



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



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



**04-236**
JANSEN
160 mm



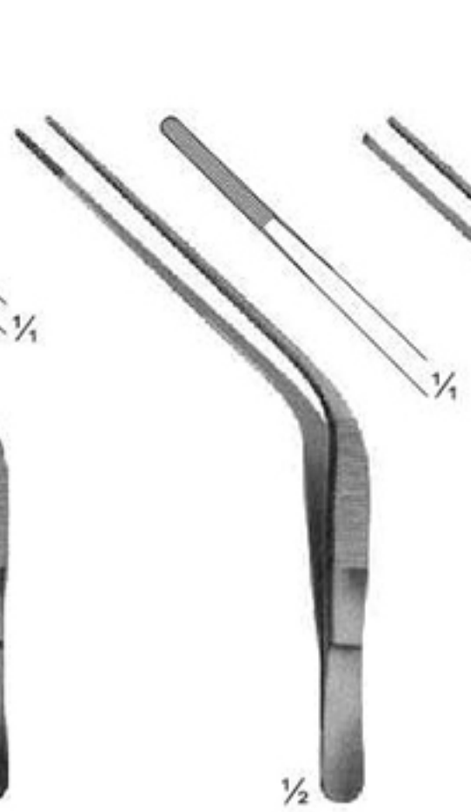
**04-237**
GRUENWALD
200 mm



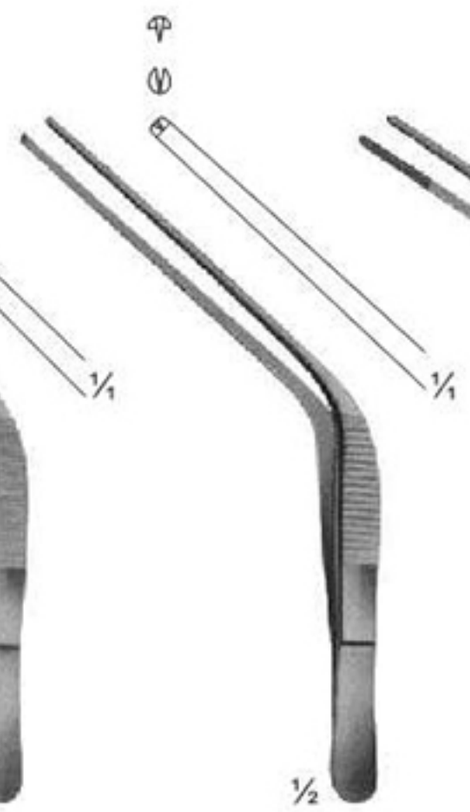
**04-238**
1x2 teeth
200 mm



**04-239**
TROELTSCH
100 mm



**04-240**
TROELTSCH
115 mm



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



**04-242**
WILDE
115 mm

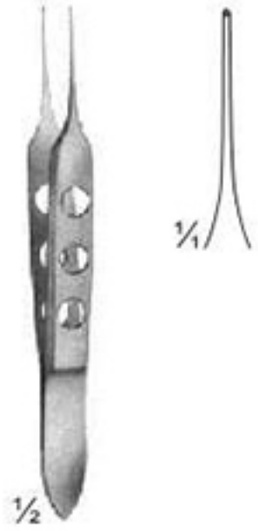


**04-243**
TROELTSCH
Cross action
120 mm

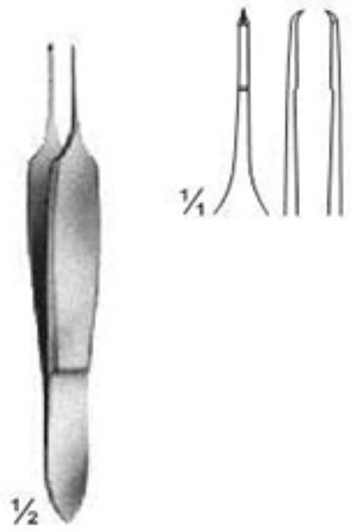


**04-244**
TROELTSCH
140 mm

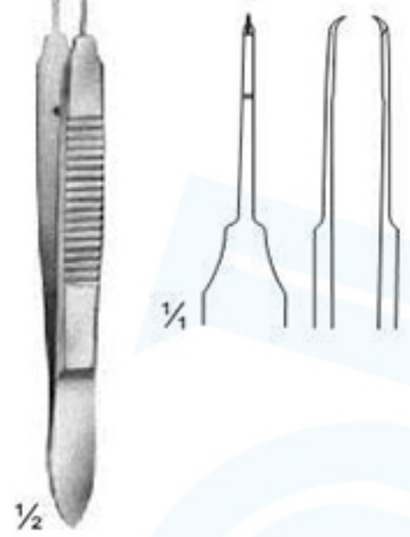
# Delicate Tissue Forceps



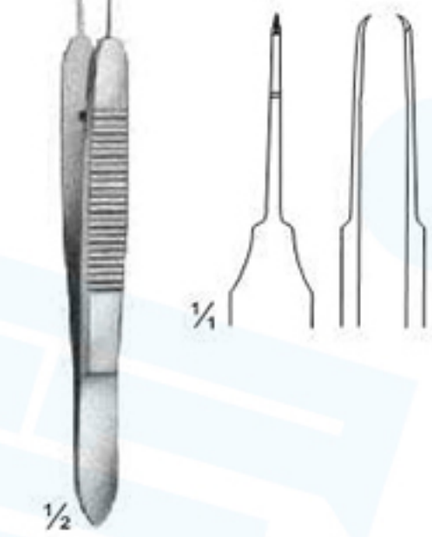
**04-245**
BISHOP-HARMON
85 mm



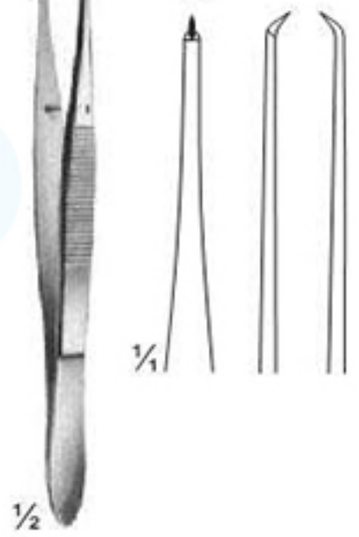
**04-246**
ST.MARTIN
80 mm



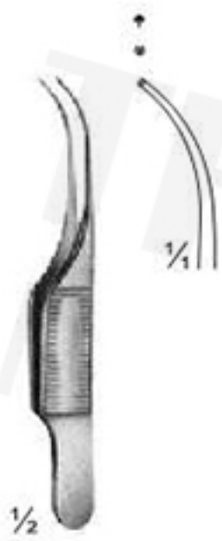
**04-247**
CASTROVIEJO
teeth 0.9 mm
100 mm



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



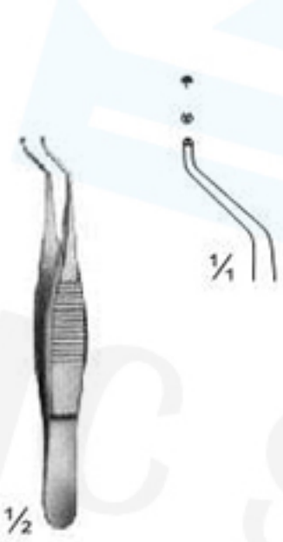
**04-249**
ELSCHING
110 mm



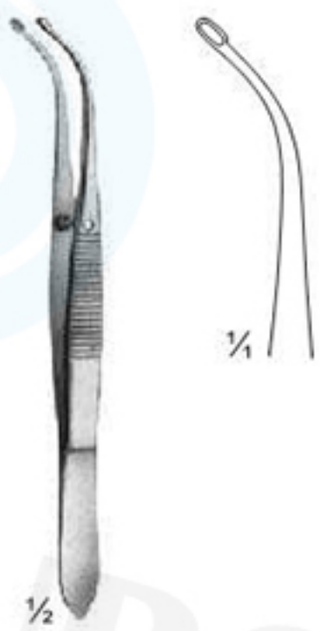
**04-250**
GILL
75 mm



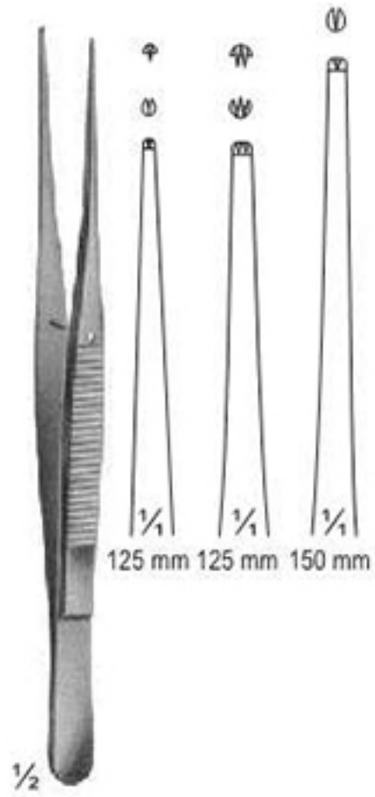
**04-251**
GILL - HESS
75 mm



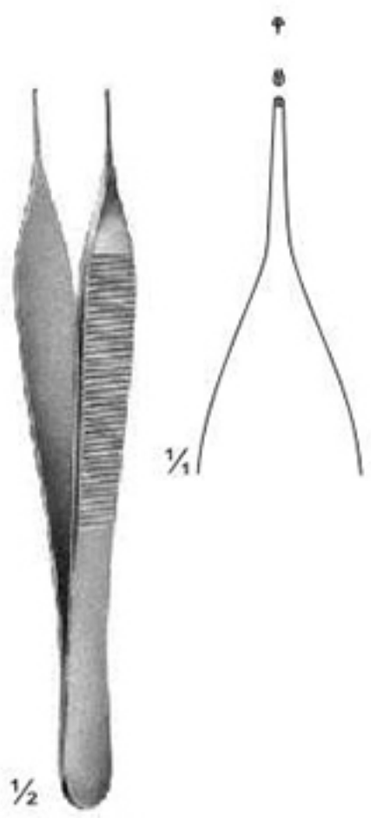
**04-252**
HESS
70 mm



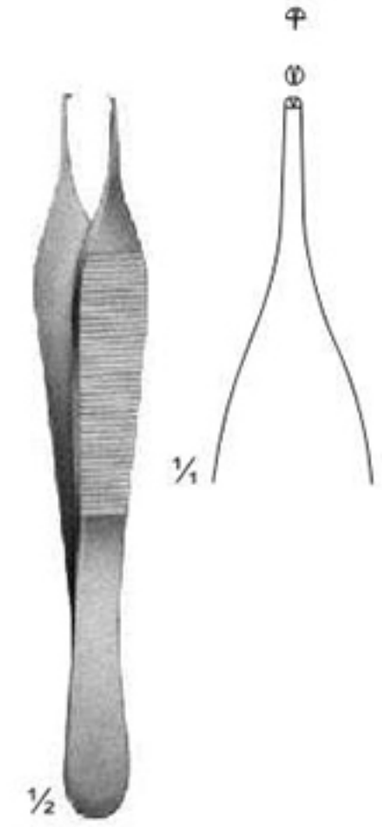
**04-253**
ARRUGA
100 mm



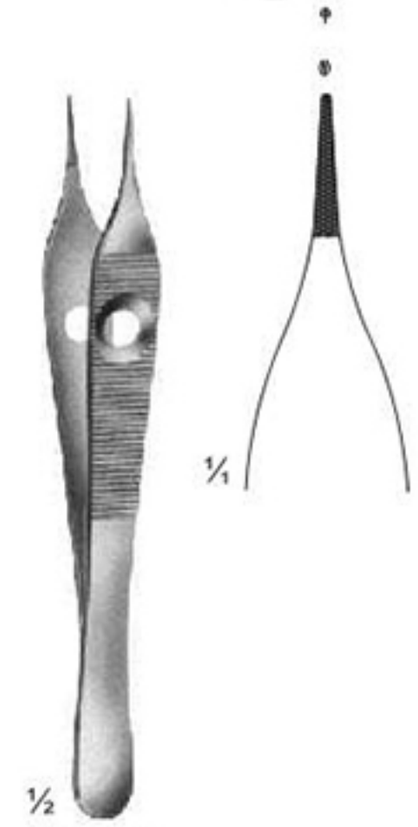

**04-254**
SEMKEN



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



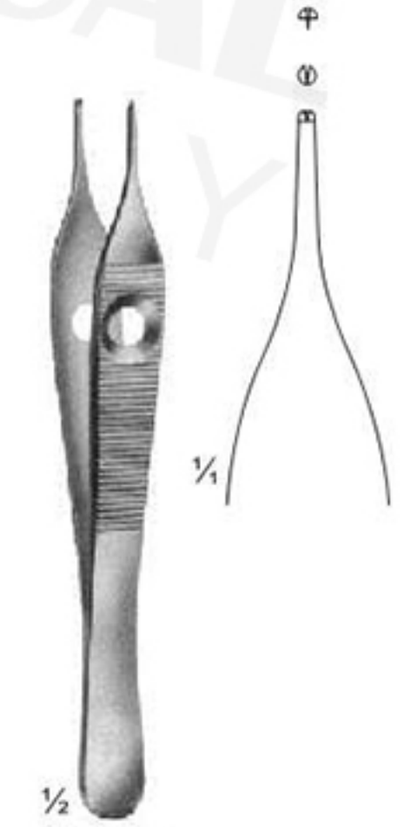
**04-256**
ADSON
120 mm



**04-257**
ADSON
120 mm



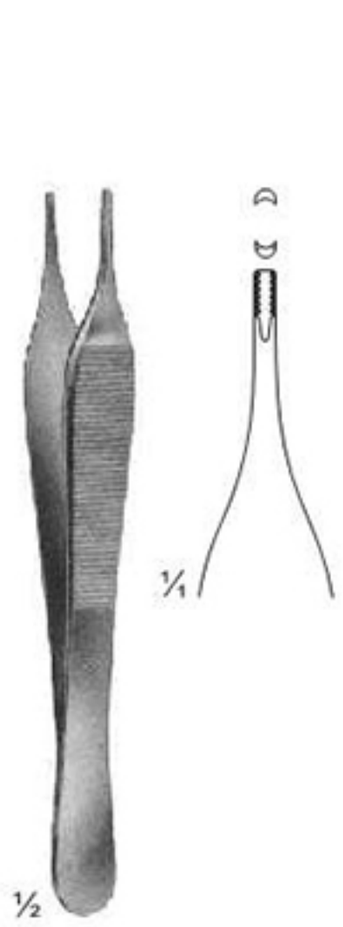
**04-258**
ADSON
120 mm



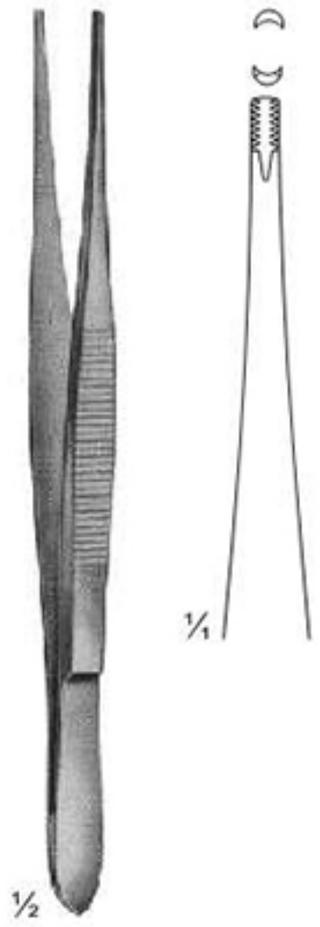
**04-259**
ADSON
150 mm

THORACIC SURGICAL INSTRUMENTS

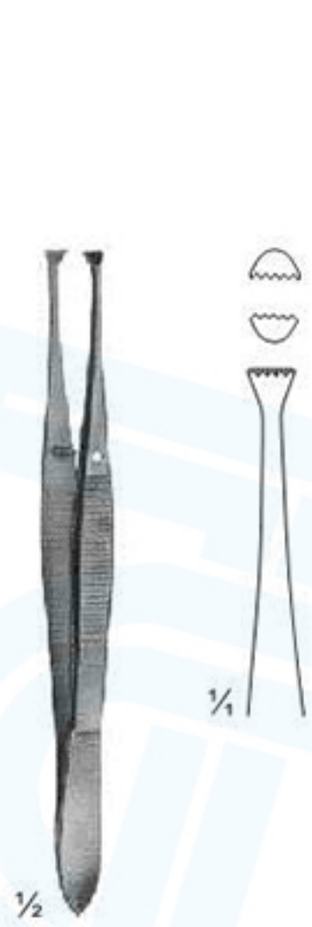
# Tissue Forceps



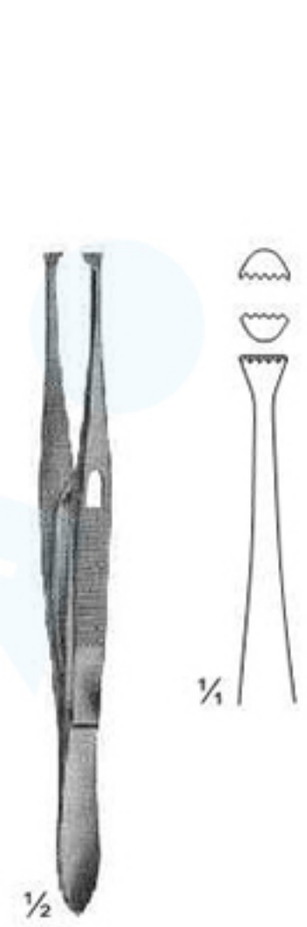
**04-260**
**ADSON - BROWN**
**Non-traumatic**
120 mm



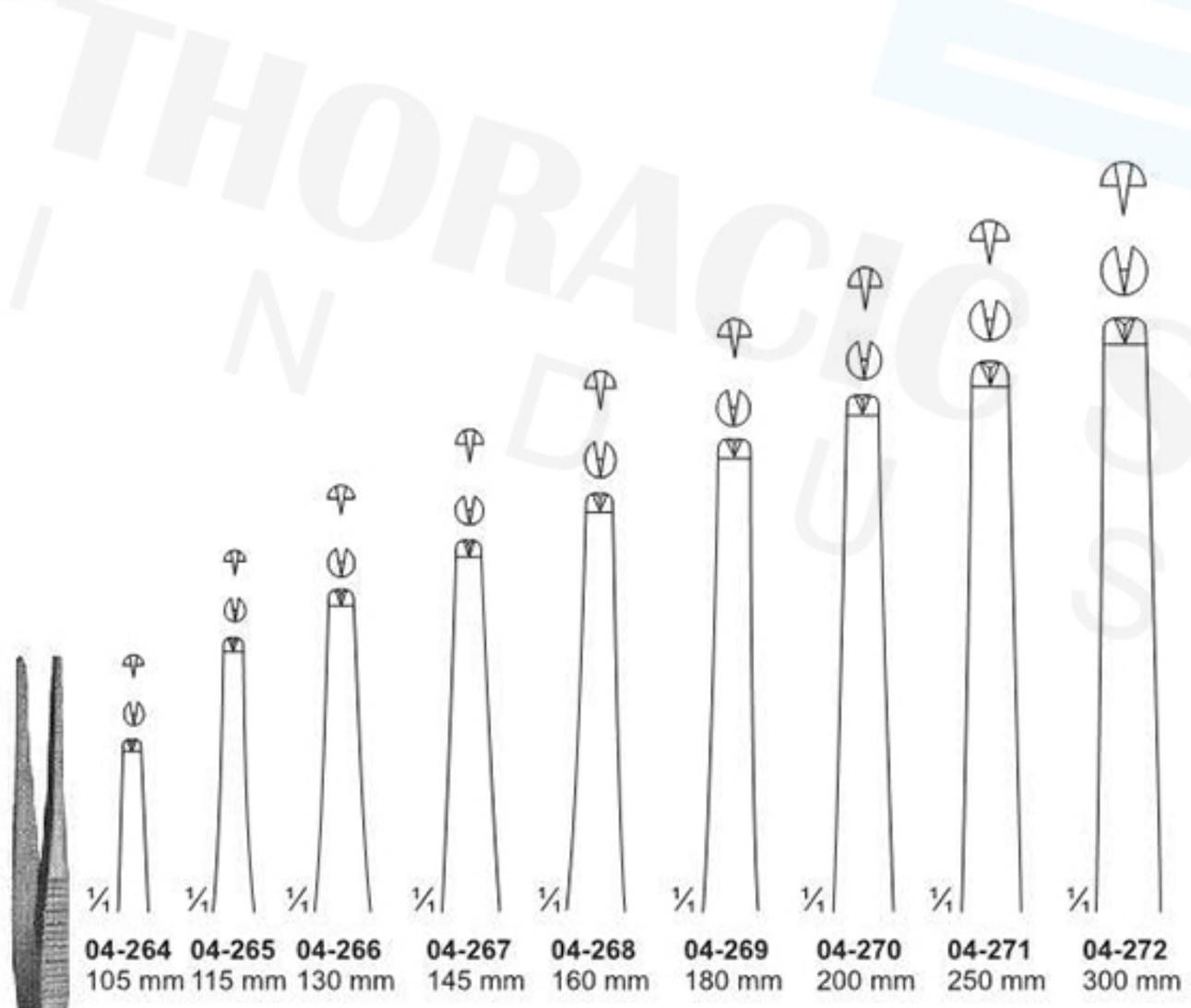
**04-261**
**BROWN**
120 mm



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

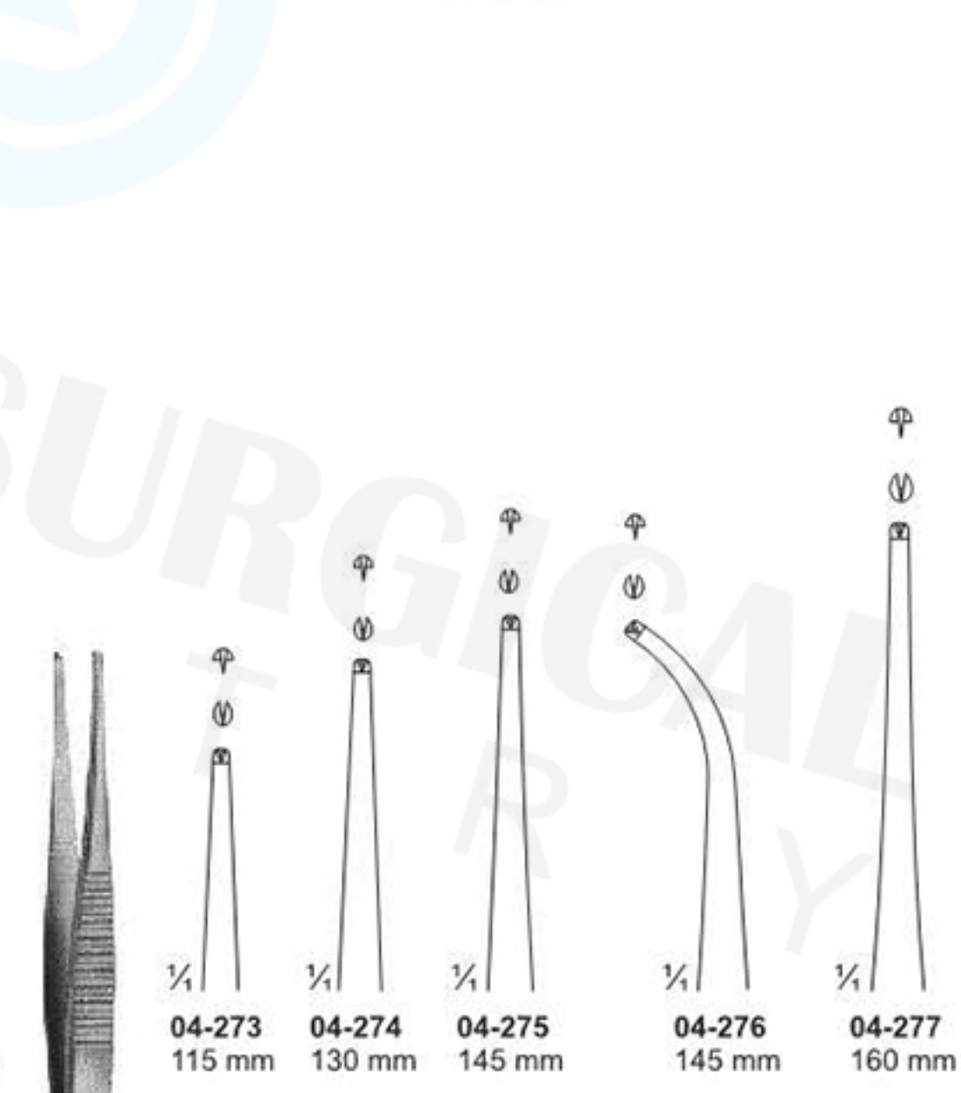


**04-263**
**GRAEFE**
With Catch
110 mm



**04-264** 105 mm
**04-265** 115 mm
**04-266** 130 mm
**04-267** 145 mm
**04-268** 160 mm
**04-269** 180 mm
**04-270** 200 mm
**04-271** 250 mm
**04-272** 300 mm

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

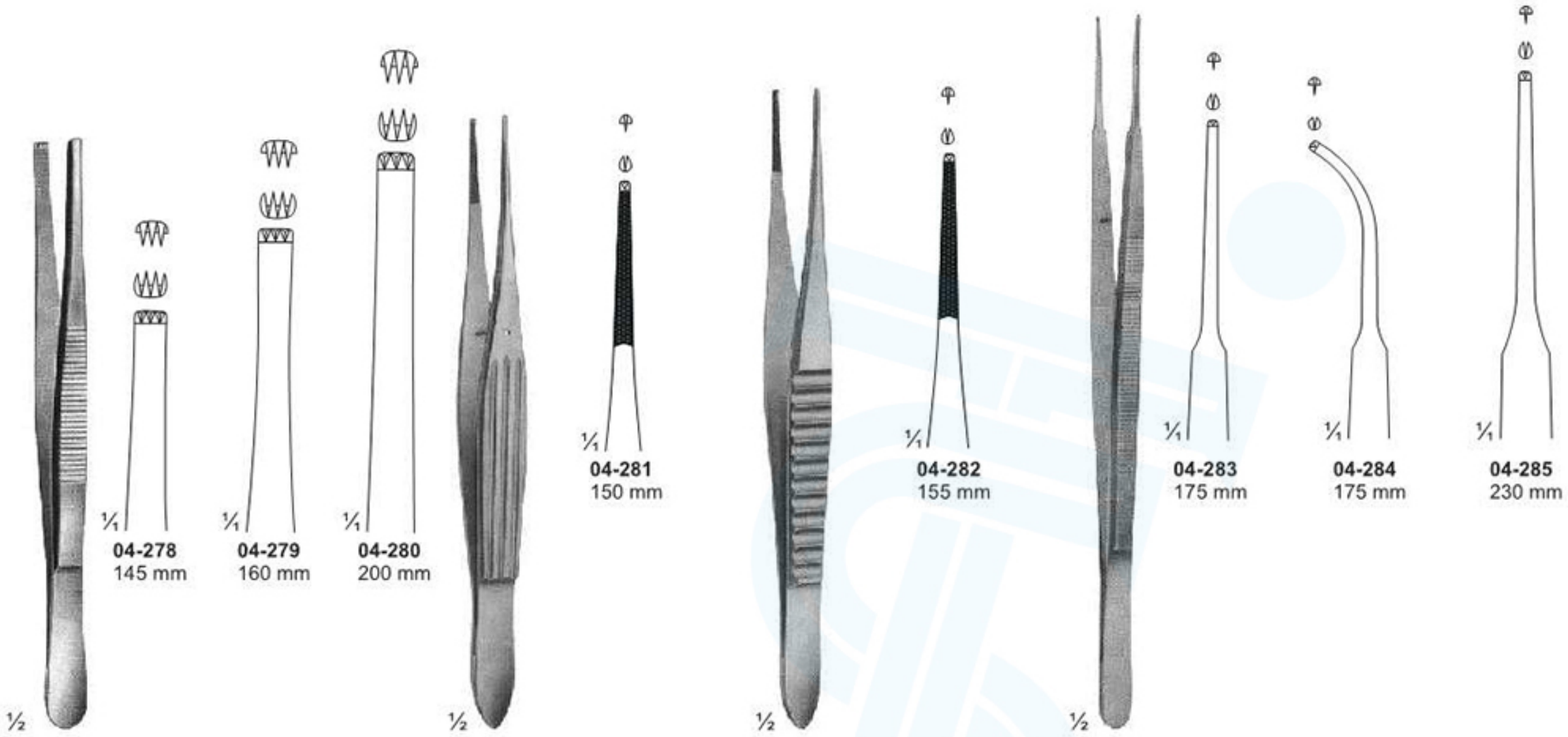


**04-273** 115 mm
**04-274** 130 mm
**04-275** 145 mm
**04-276** 145 mm
**04-277** 160 mm

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

THORACIC SURGICAL INDUSTRY

# Tissue Forceps

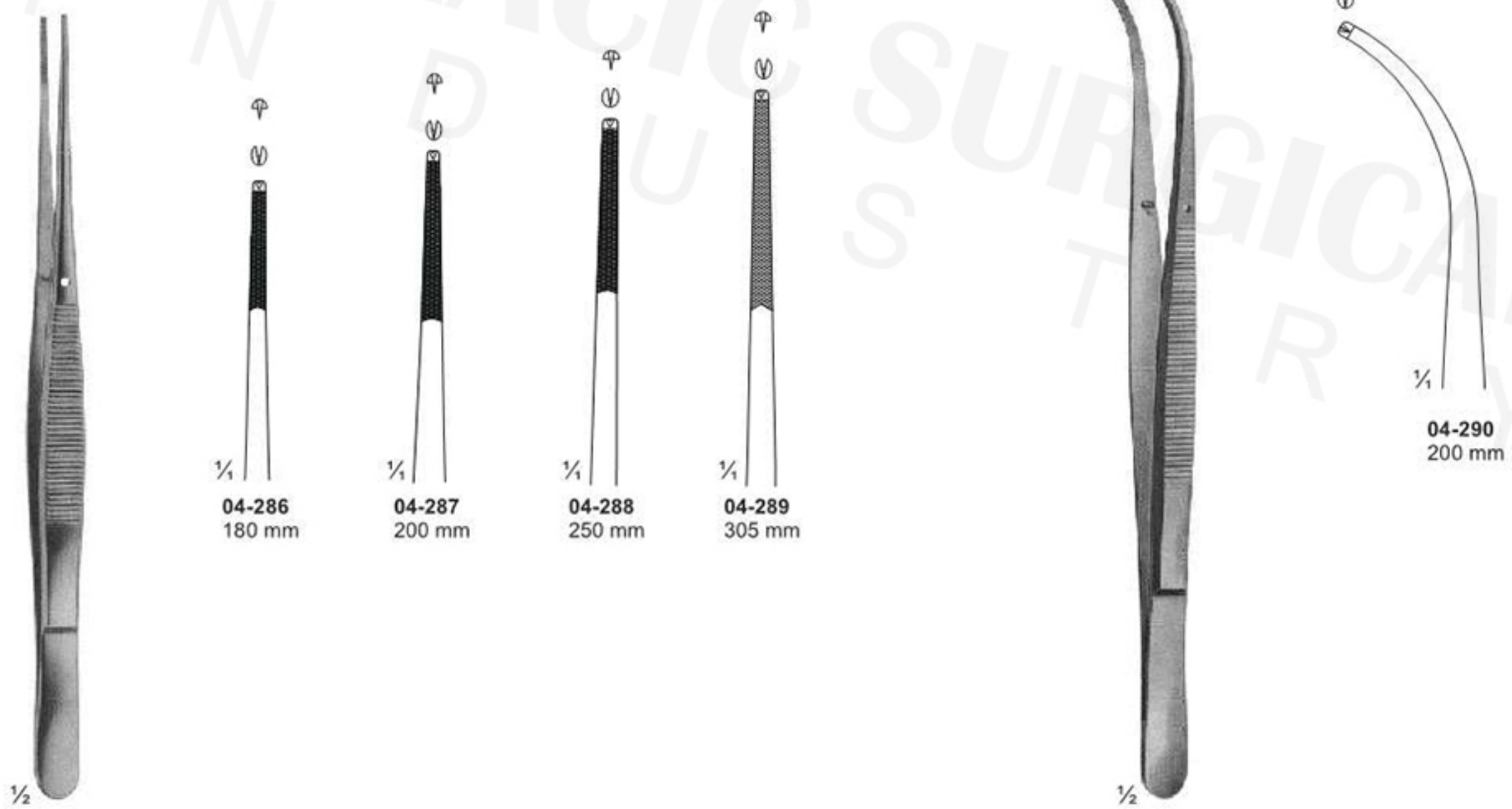



**04-278 - 280**
3x4 teeth

**04-281**
**MC INDOE**

**04-282**
**GILLIES**

**04-283 - 285**
**GERALD**

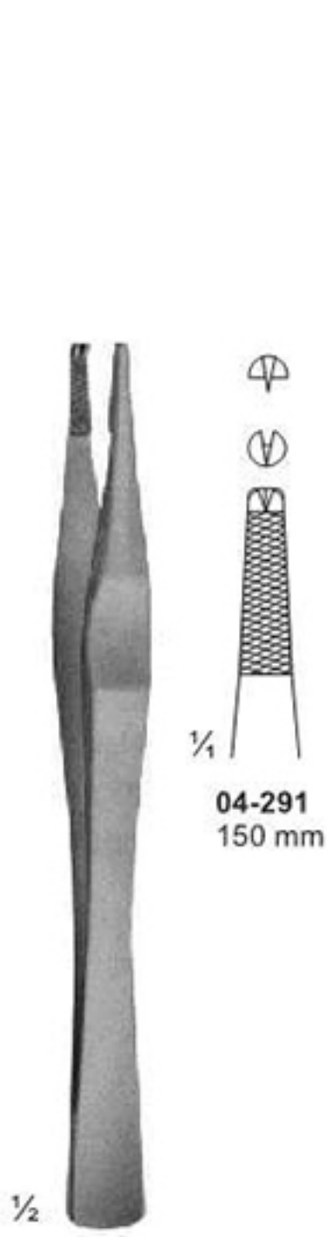



**04-286 - 289**
**WAUGH**

**04-290**
**BROPHY**

THORACIC SURGICAL INDUSTRY

# Tissue Forceps, Lung Dissecting Forceps



**04-291 - 293**
**LANE**



**04-291**
150 mm



**04-292**
150 mm



**04-293**
175 mm



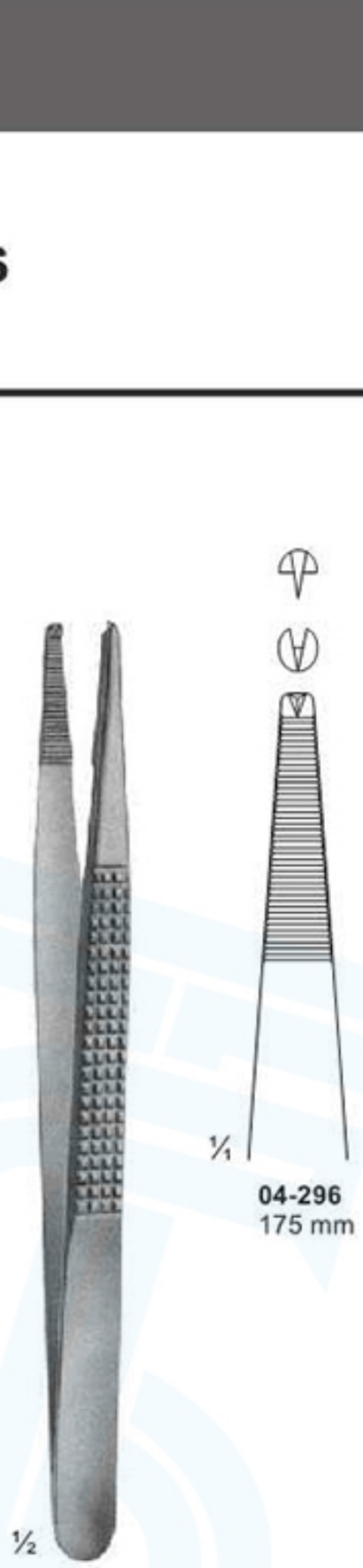
**04-294 - 295**
**STRASSBURGER MODELL**



**04-294**
150 mm



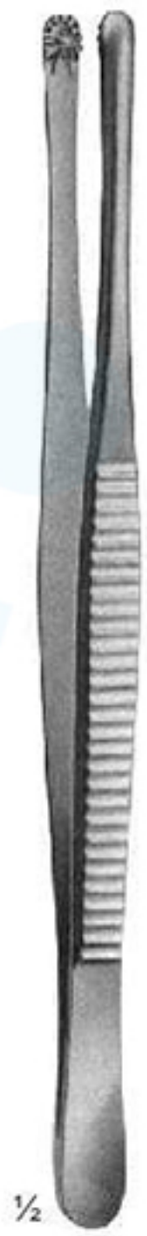
**04-295**
200 mm



**04-296**
**BONNEY**



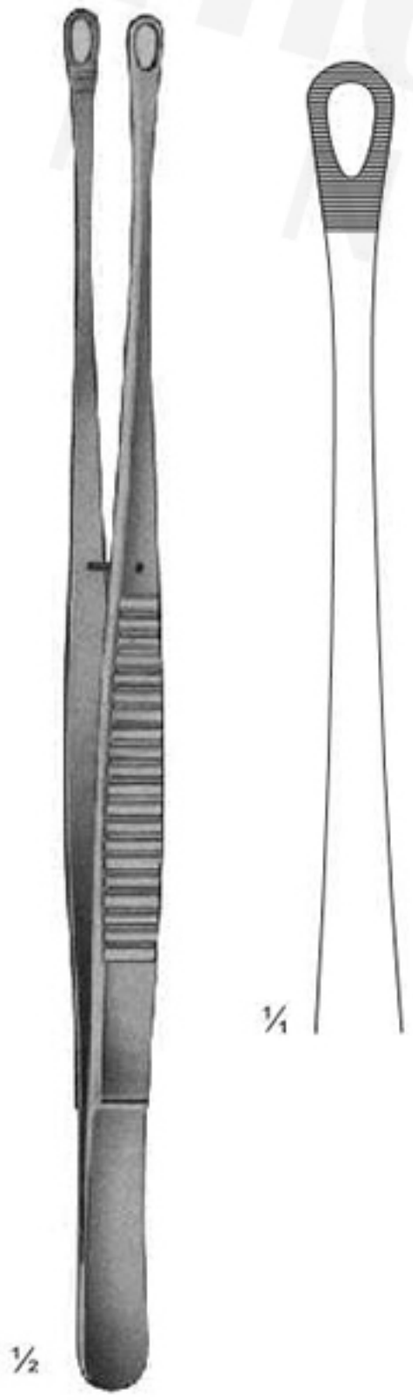
**04-296**
175 mm



**04-297**
**RUSS.MODELL**
200 mm



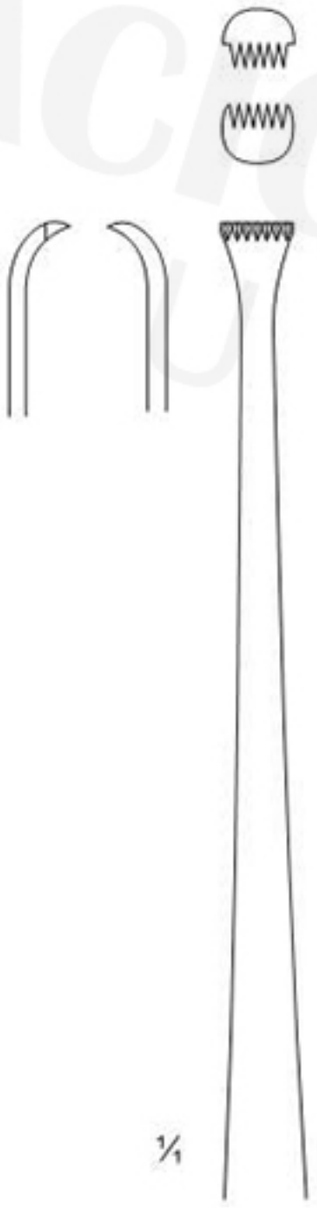
**04-297**
200 mm

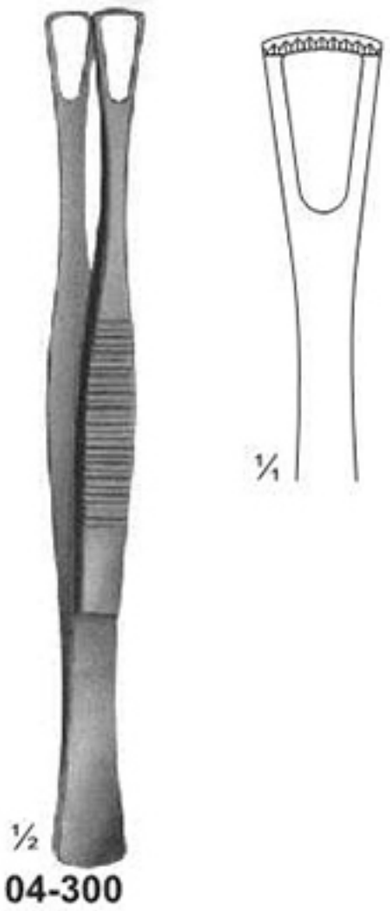


**04-298**
**TUTTLE**
Lung Dissecting Forceps
230 mm



**04-299**
**NELSON**
Lung Dissecting Forceps
230 mm



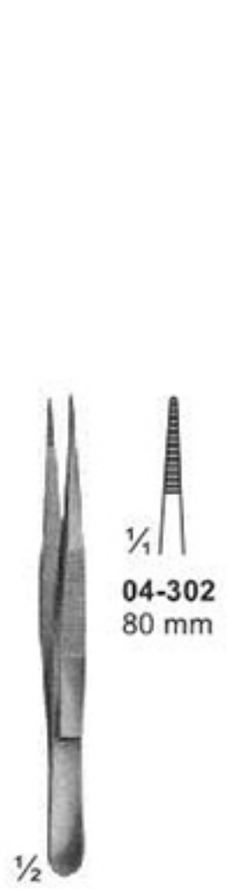


**04-300**
**DUVAL**
Intestinal Forceps
140 mm

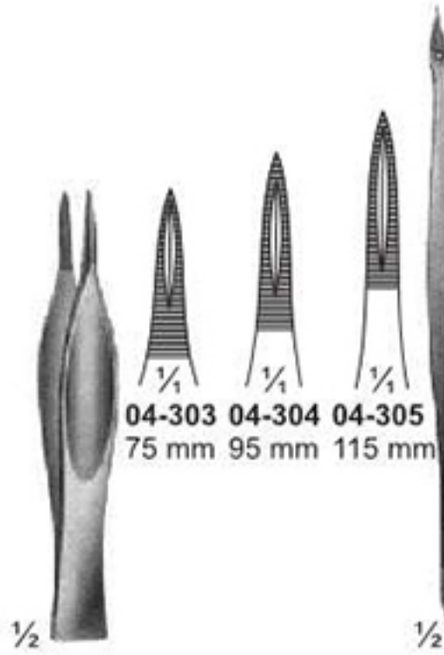


**04-301**
**DENIS-BROWNE**
Intestinal Forceps
190 mm

# Splinter and Cilia Forceps

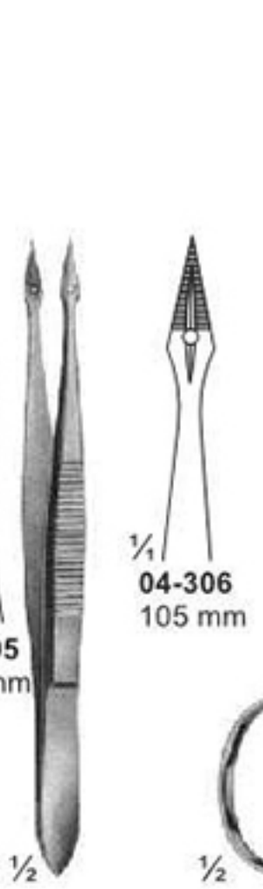



**04-302**
80 mm



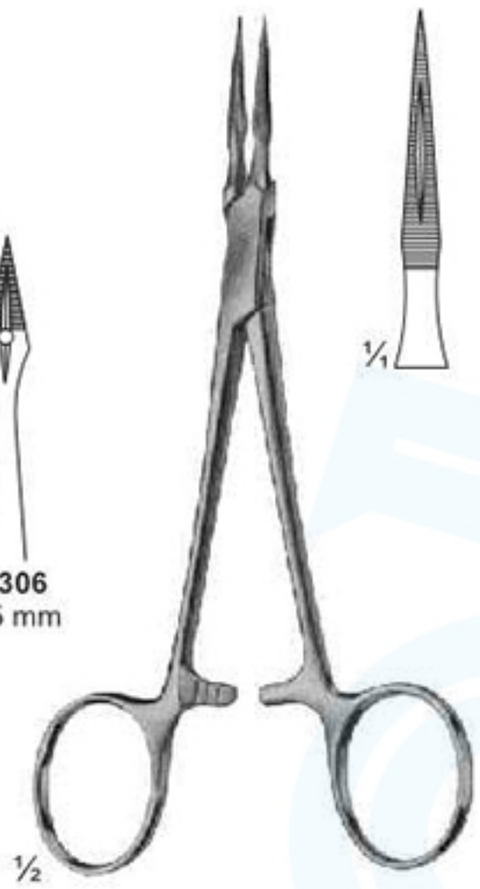

**04-303** **04-304** **04-305**
75 mm 95 mm 115 mm

**04-303 - 305**
FEILCHENFELD

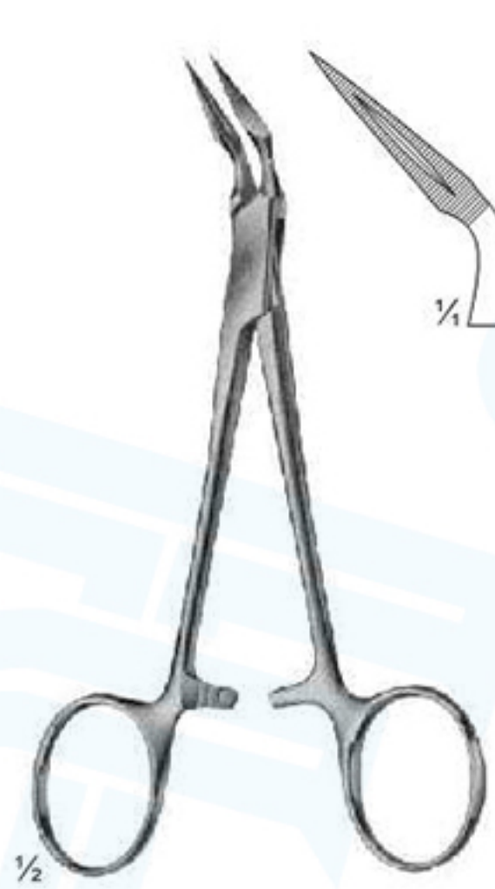



**04-306**
105 mm

**04-306**
HUNTER



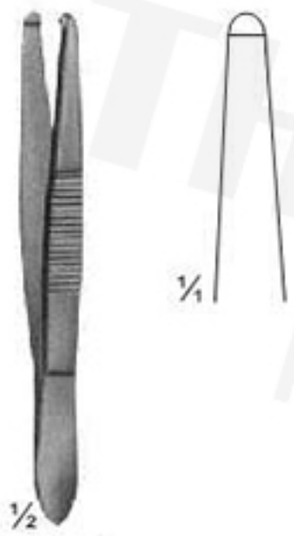

**04-307**
STIEGLITZ
140 mm



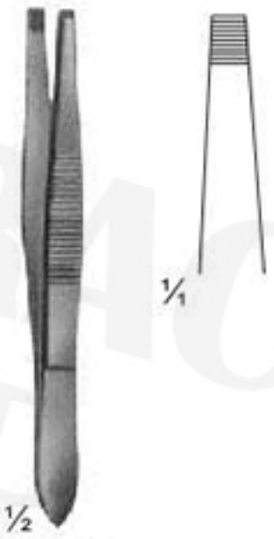

**04-308**
STIEGLITZ
140 mm



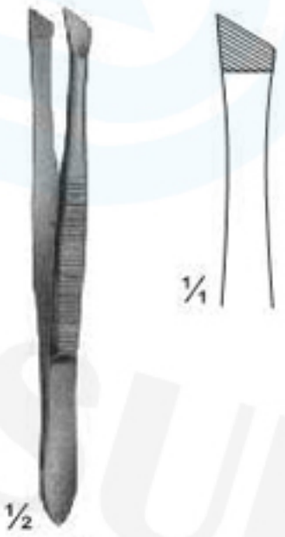

**04-309**
PEET
120 mm



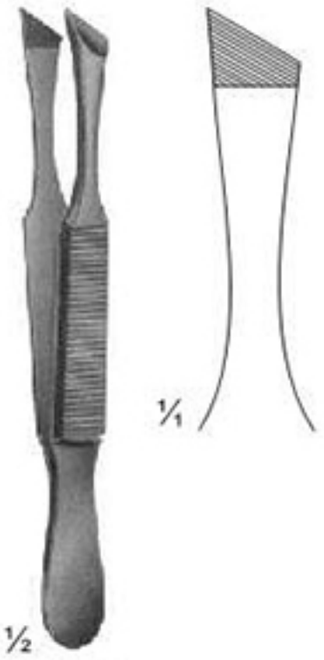

**04-310**
BEER
85 mm



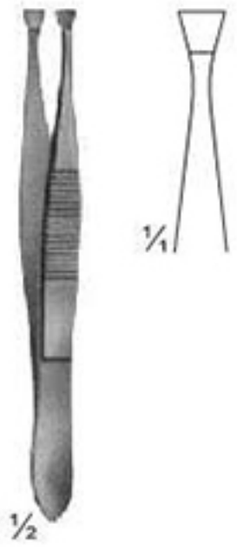

**04-311**
85 mm



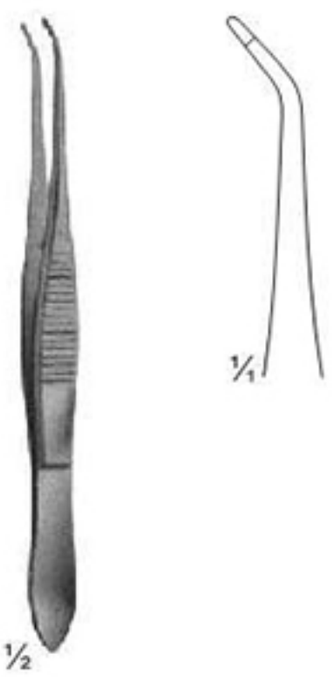

**04-312**
85 mm




**04-313**
105 mm




**04-314**
105 mm




**04-315**
**SAUPE**
105 mm

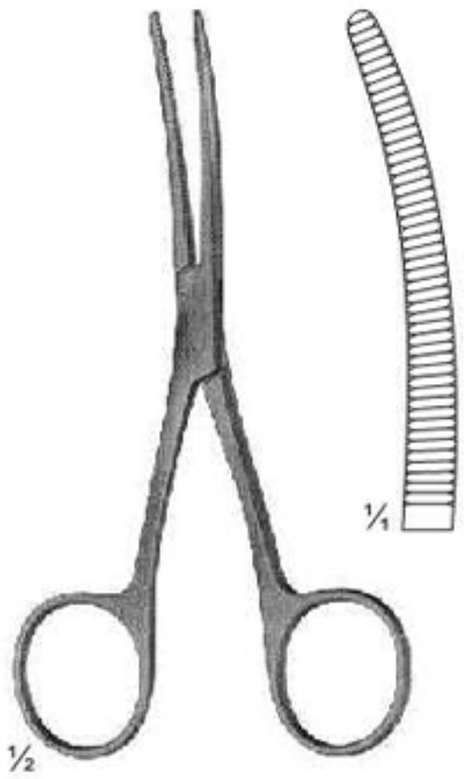



**04-316**
**SCHAAF**
95 mm

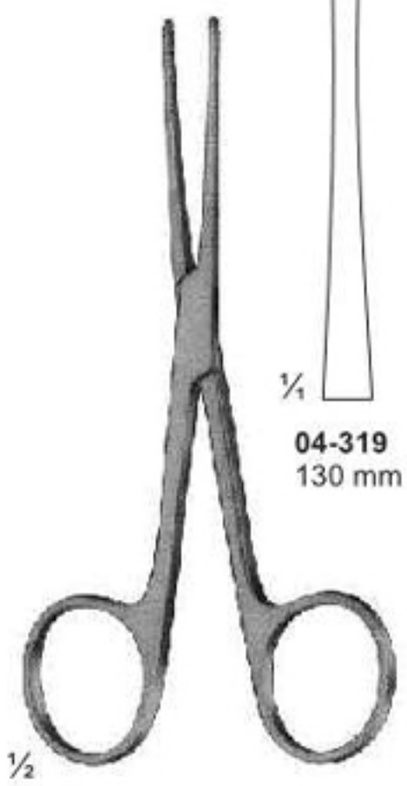



**04-317**
105 mm

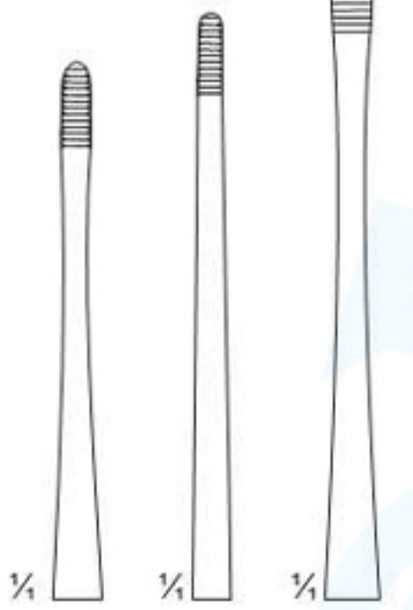
# Sponge and Dressing Forceps

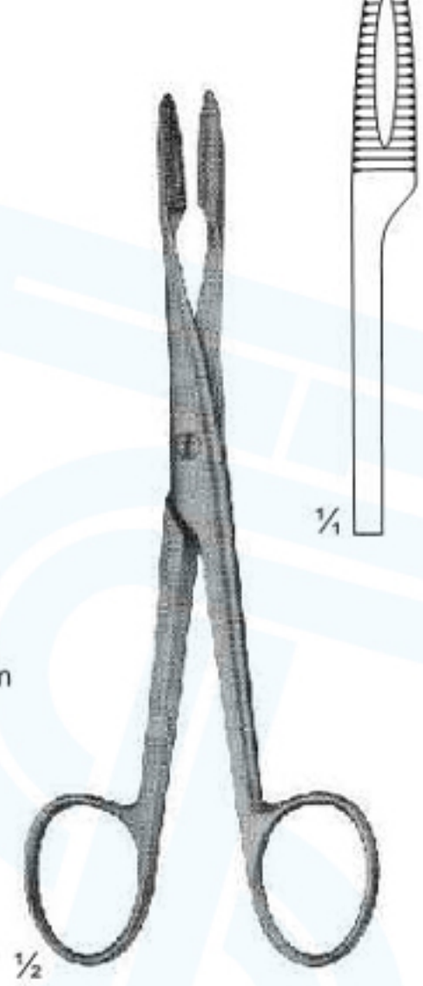


**04-318**
BRYANT
130 mm

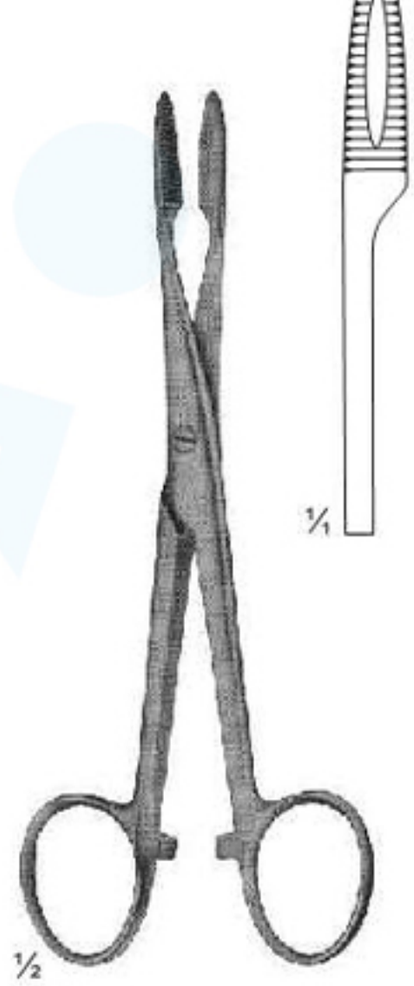


**04-319 - 321**
LISTER
Sinus Forceps

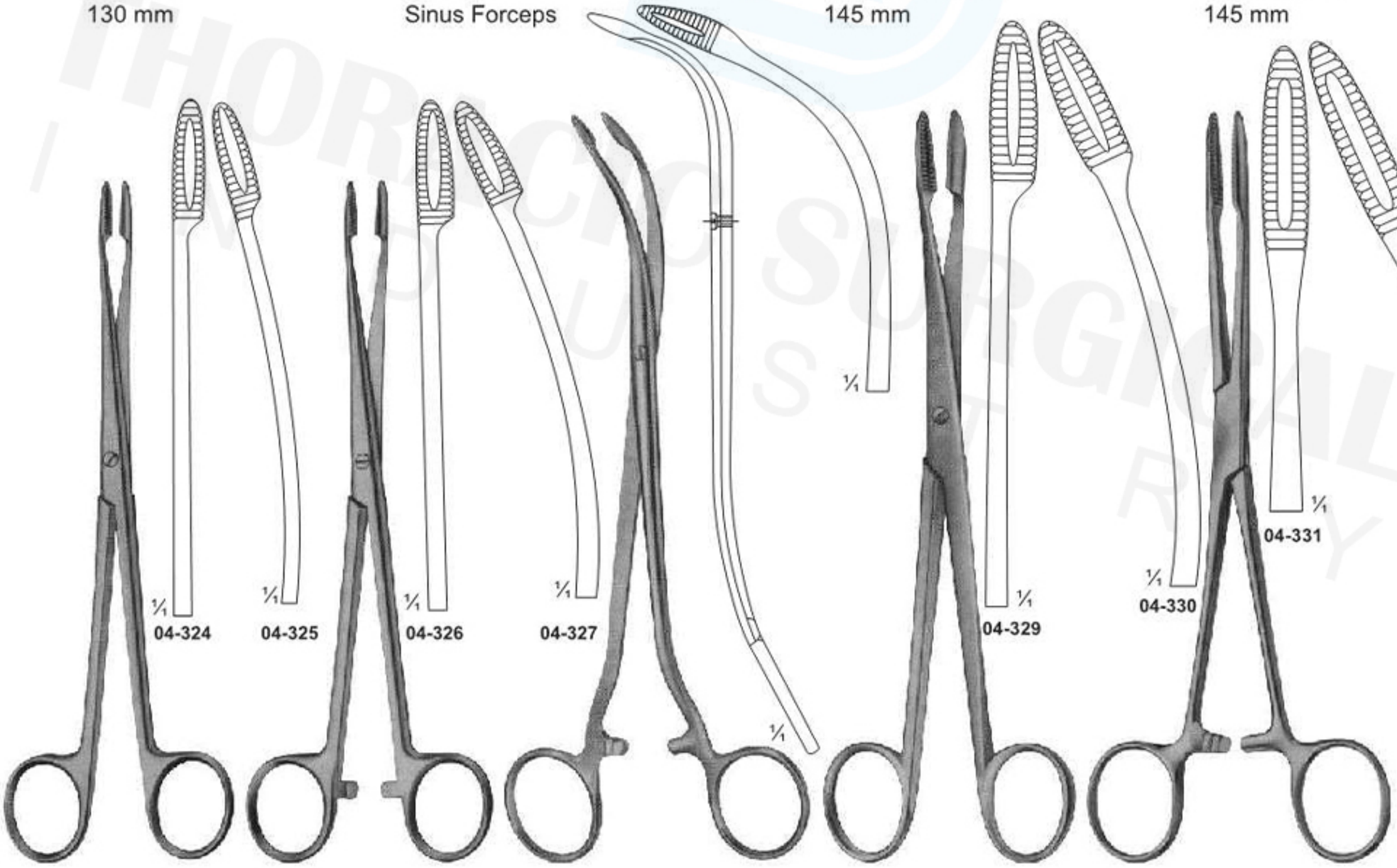


**04-322**
Without Ratchet
145 mm



**04-323**
With Ratchet
145 mm




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

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

**04-328**
DUPLAY
190 mm

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

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

THORACIC SURGICAL SUPPLY

# 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

THORACIC SURGICAL INDUSTRY

# Sponge and Dressing Forceps



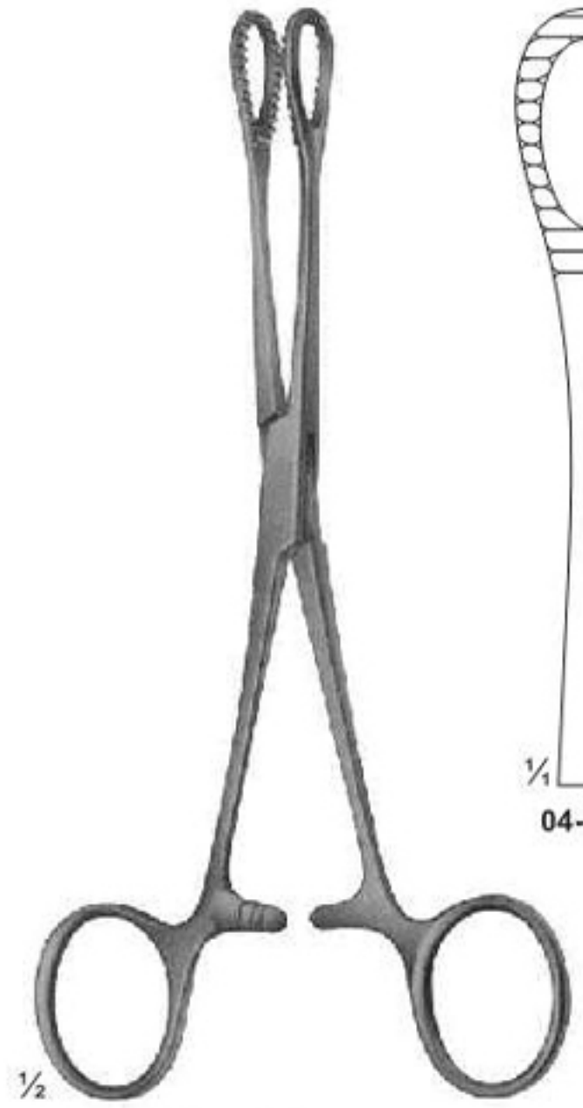

**04-339 - 340**
SIMS-MAIER
280 mm

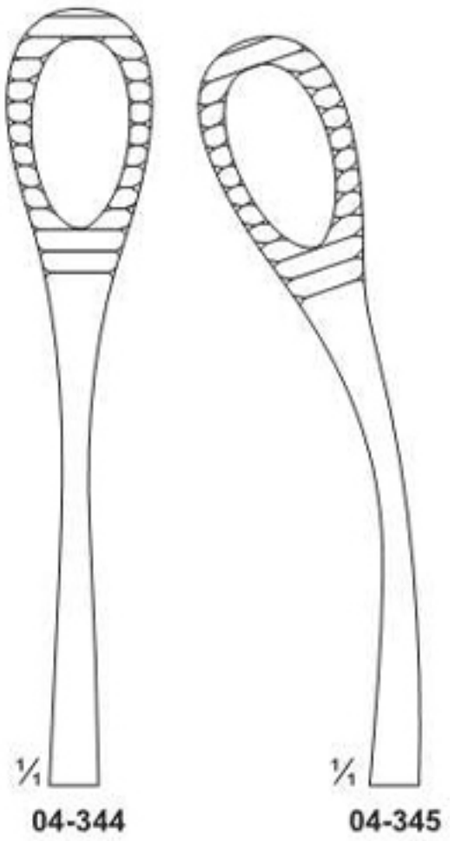
**04-341**
COLLIN
240 mm

**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





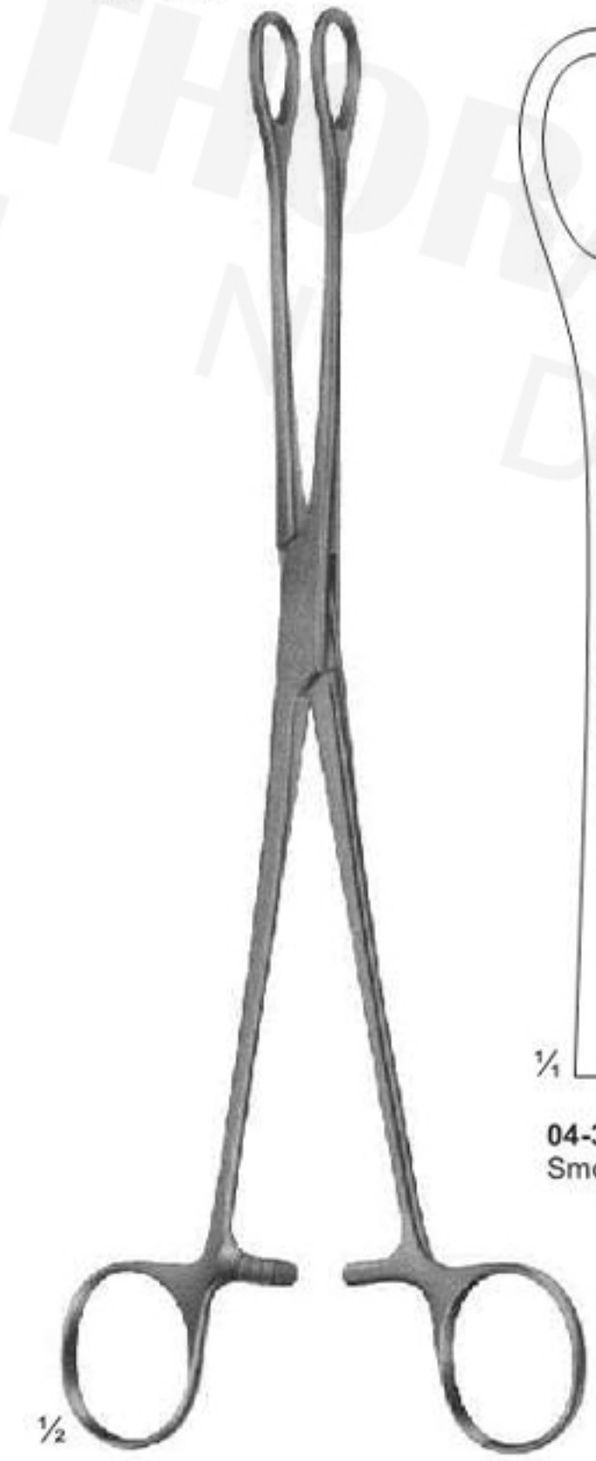


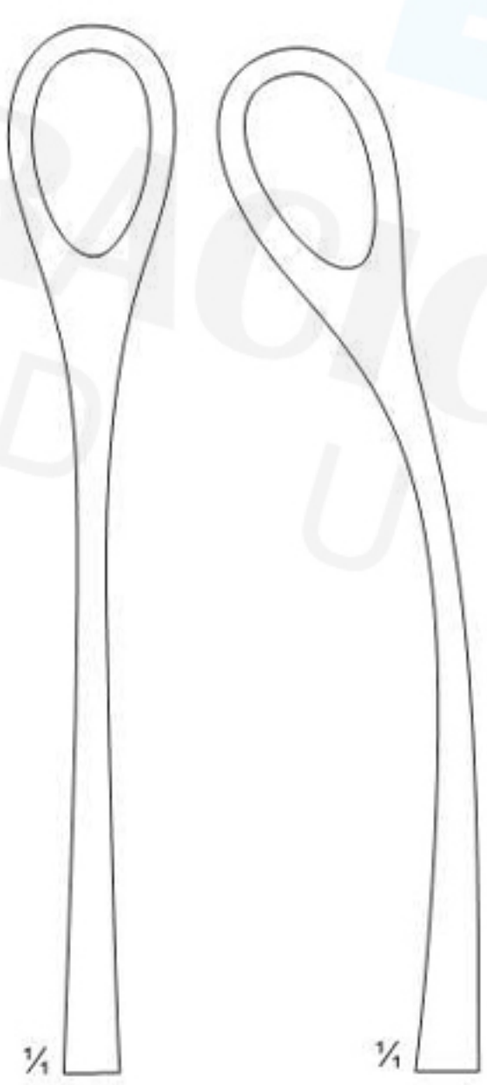
**04-346**
180 mm



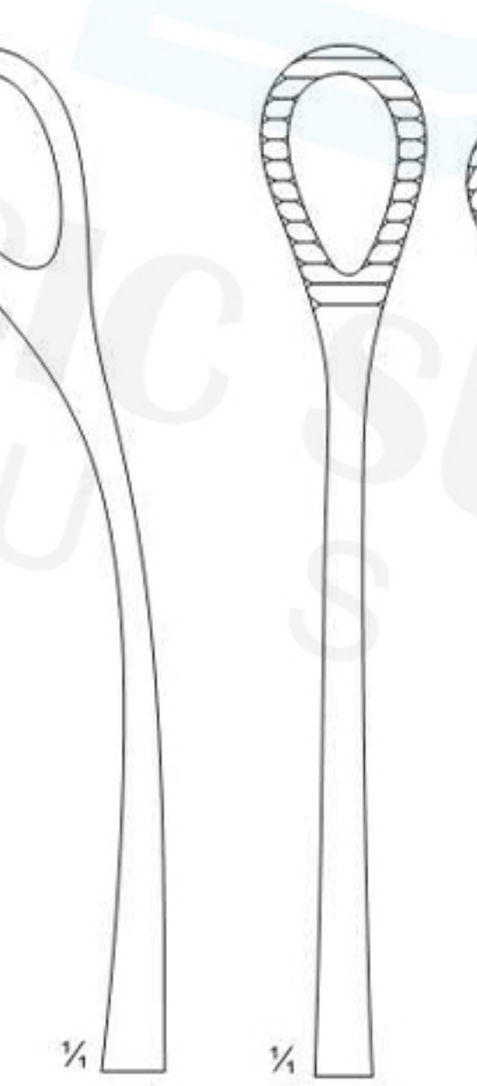

**04-347**
250 mm

**04-346 - 347**
RAMPLEY

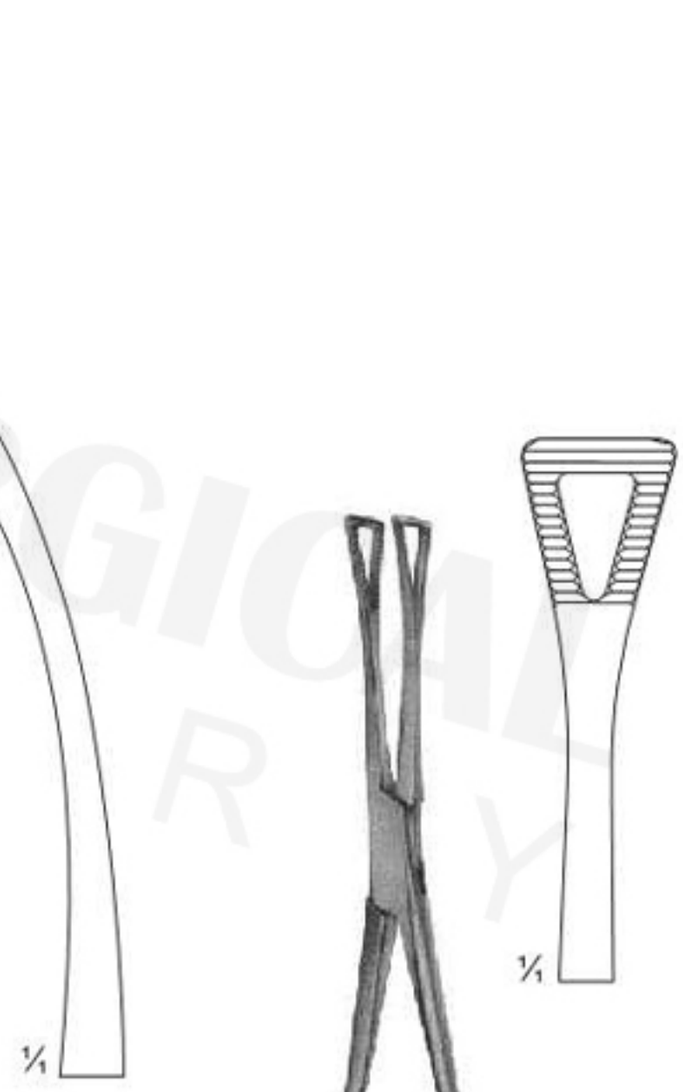



**04-348**
Smooth Jaws




**04-349** Smooth Jaws
**04-350** Serrated Jaws



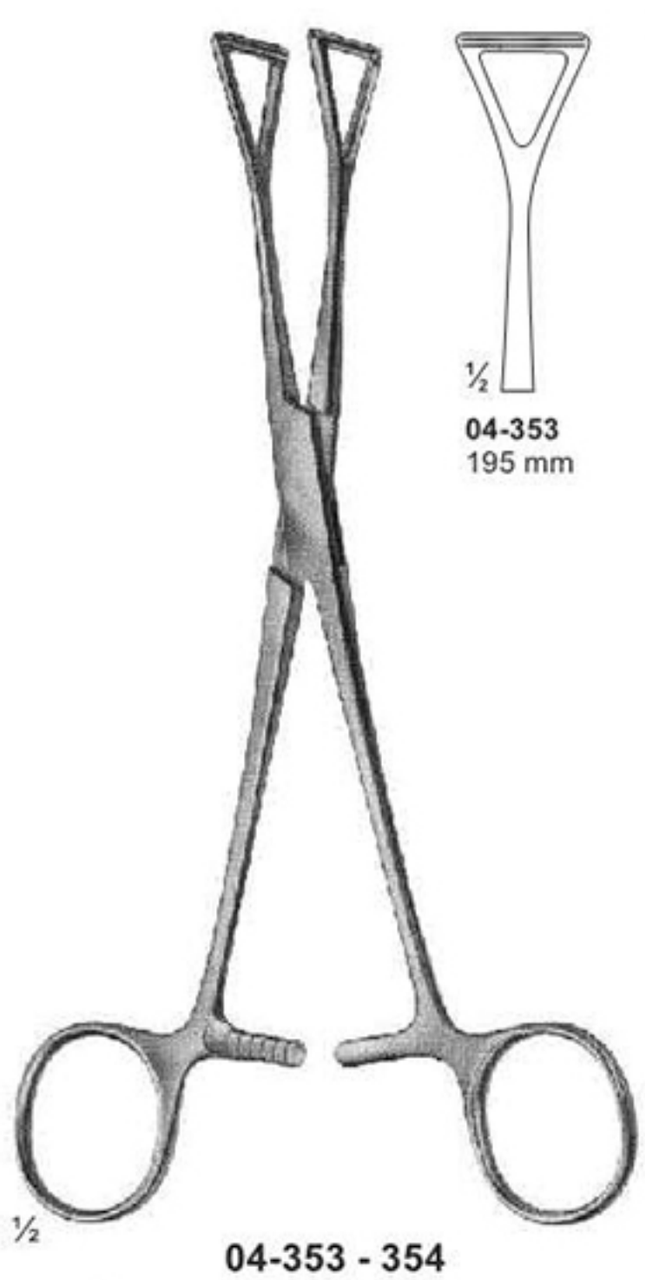

**04-351**
Serrated Jaws

**04-348 - 351**
FOERSTER-BALLENGER
240 mm



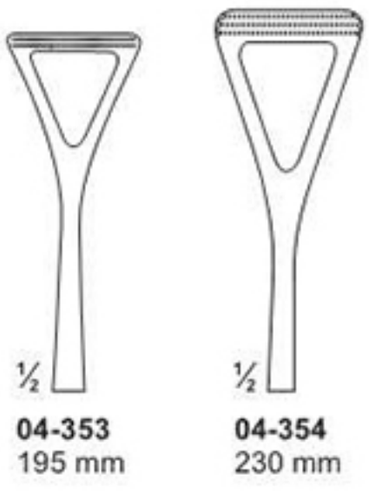
**04-352**
PENNINGTON
155 mm

# Dressing, Sponge holding, Organ and Tissue Grasping Forceps



½

**04-353 - 354**
COLLIN



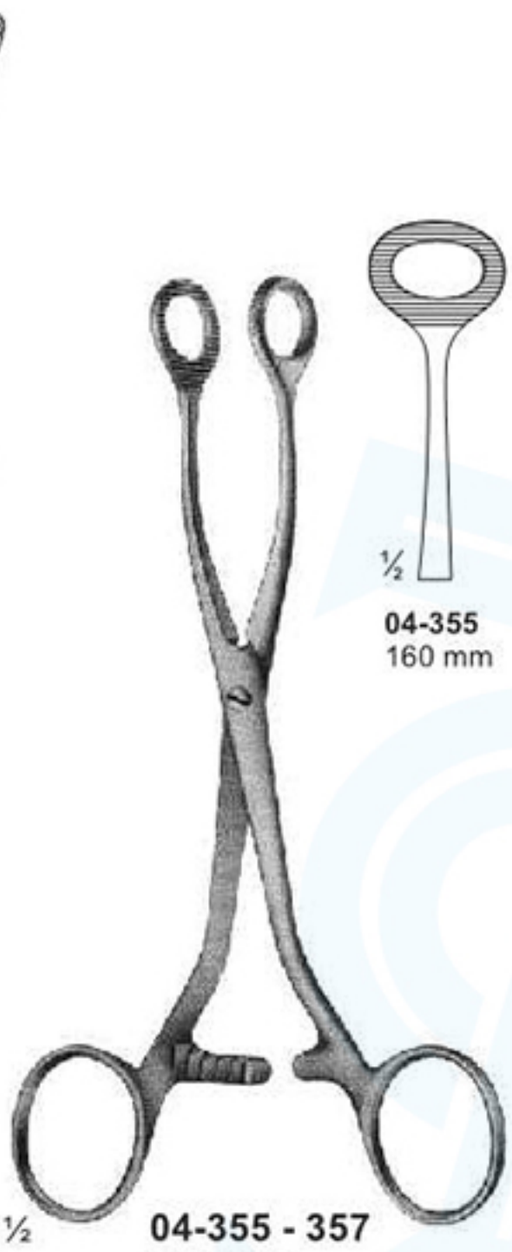
½

**04-353**
195 mm



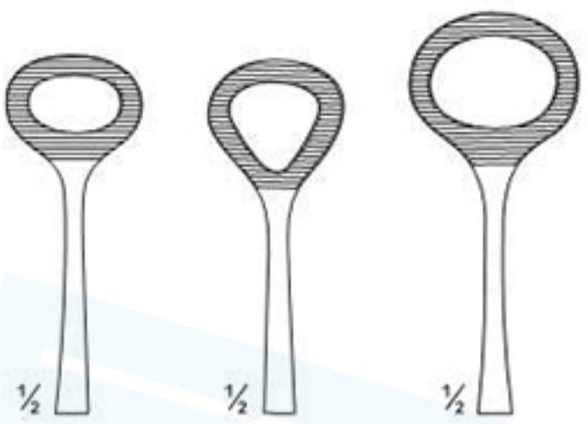
½

**04-354**
230 mm



½

**04-355 - 357**
COLLIN



½

**04-355**
160 mm



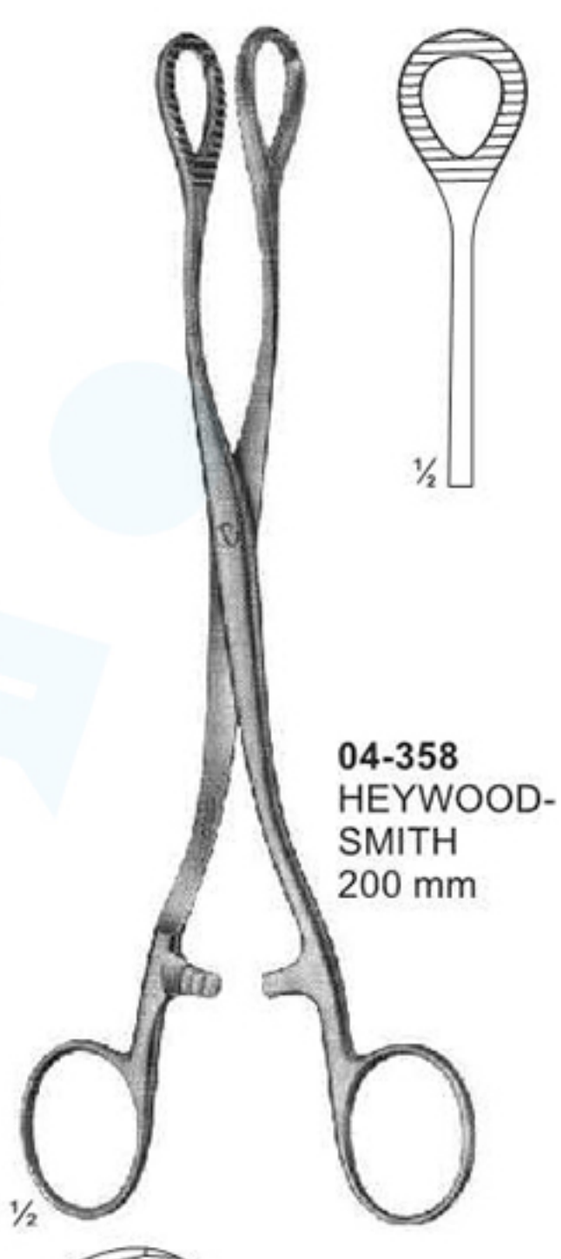
½

**04-356**
160 mm



½

**04-357**
170 mm

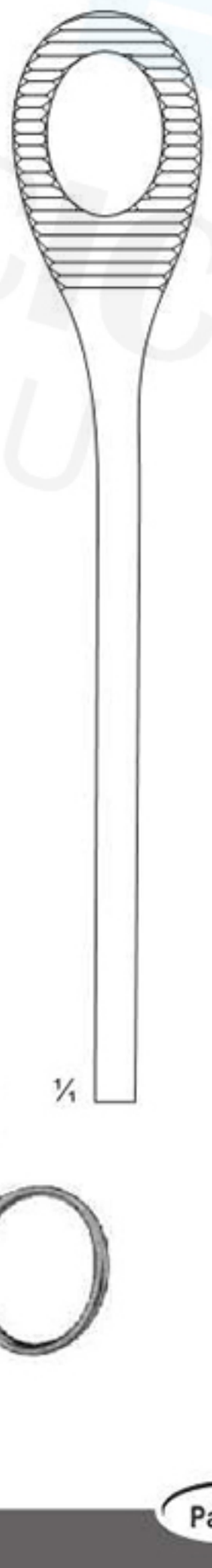


½

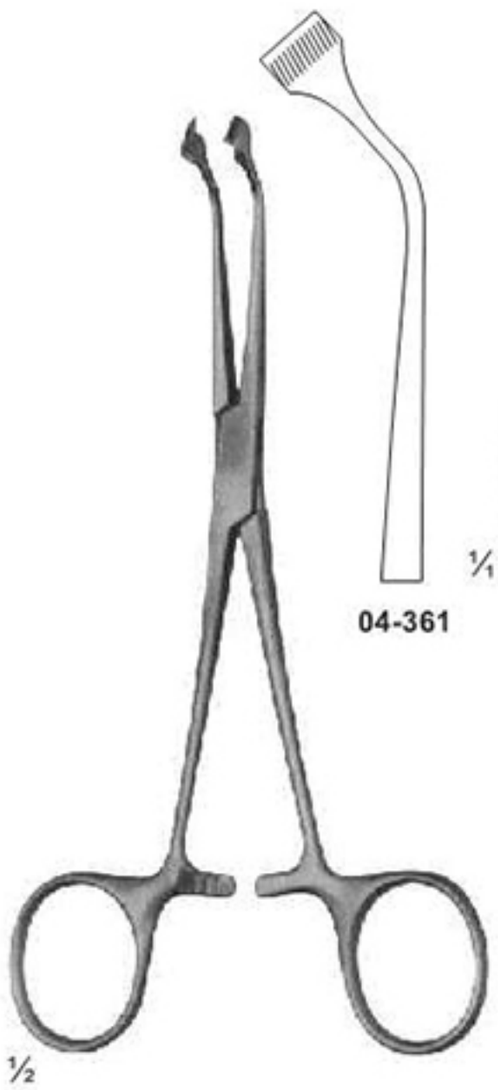
**04-358**
HEYWOOD-SMITH
200 mm



½



# Tendon Seizing Forceps



04-361

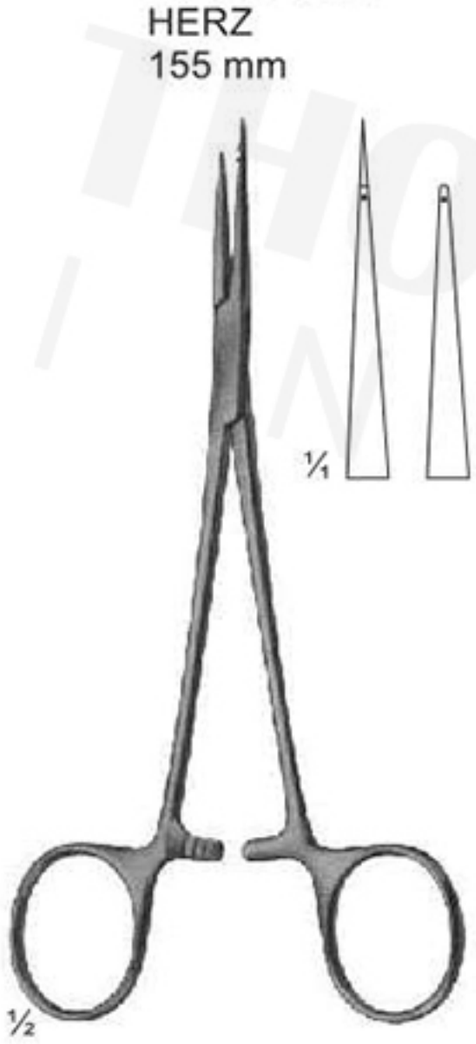


04-362

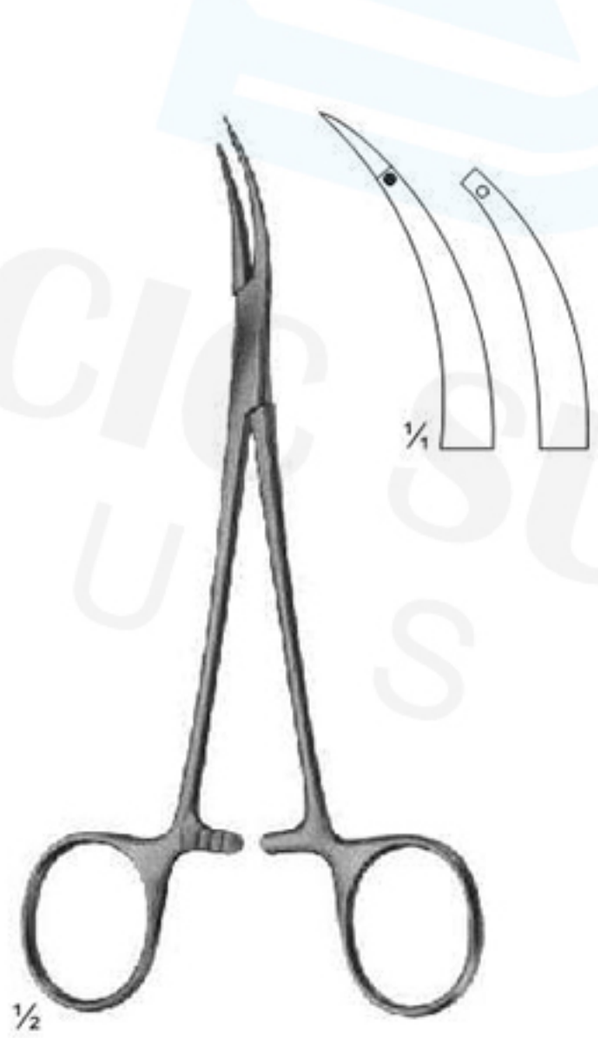
**04-361 - 362**
HERZ
155 mm



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



**04-364**
150 mm

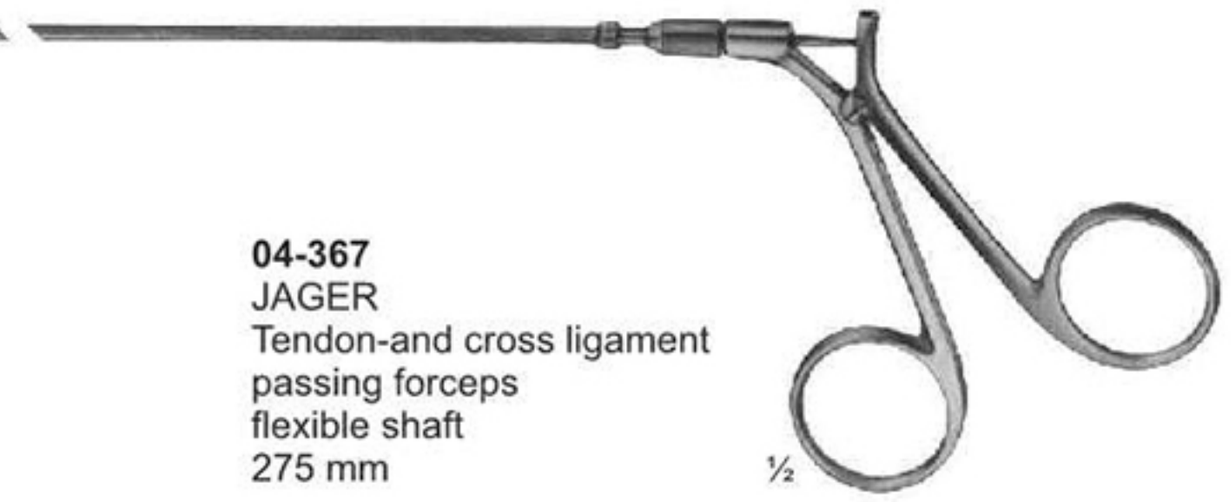


**04-365**
150 mm



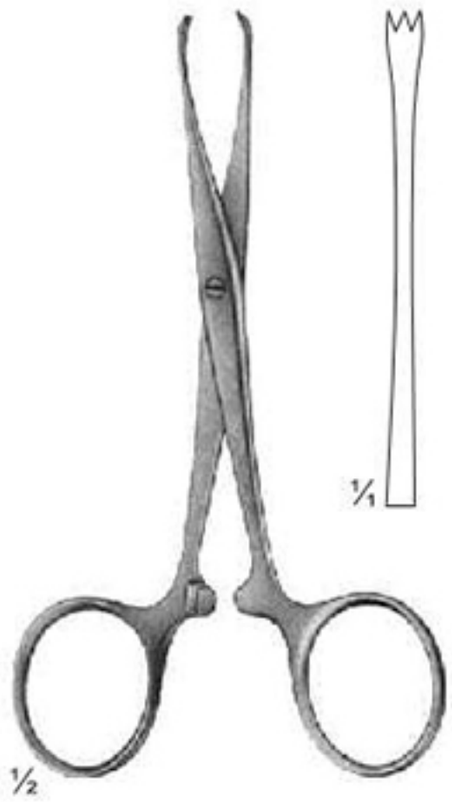
**04-366**
120 mm



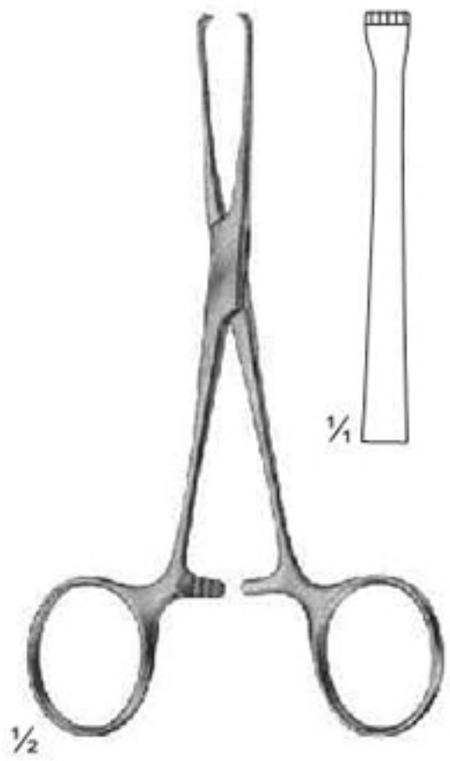


**04-367**
JAGER
Tendon-and cross ligament
passing forceps
flexible shaft
275 mm

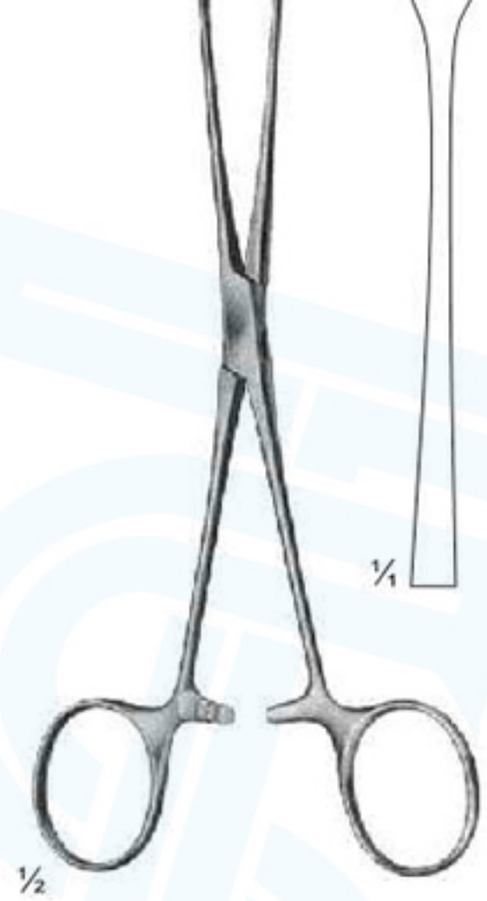
# Artery Traction - and Tissue Grasping Forceps



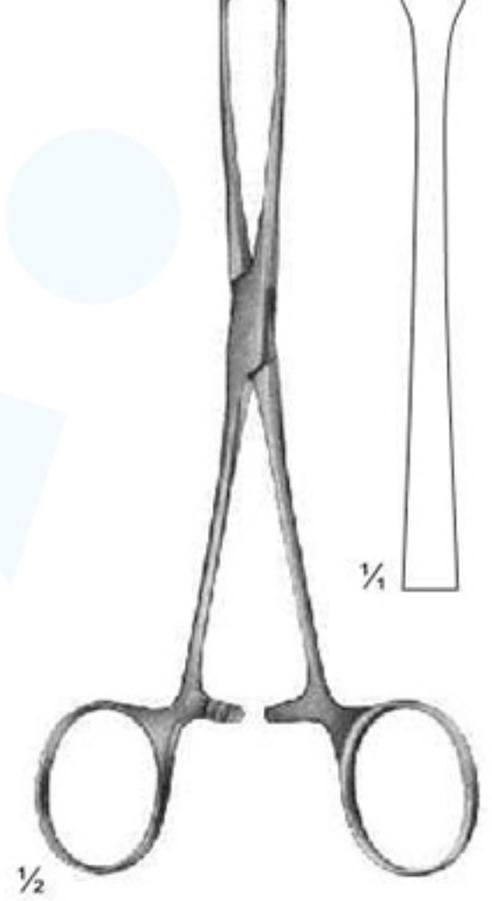

**04-368**
CHAPUT
2 x 3 teeth
125 mm



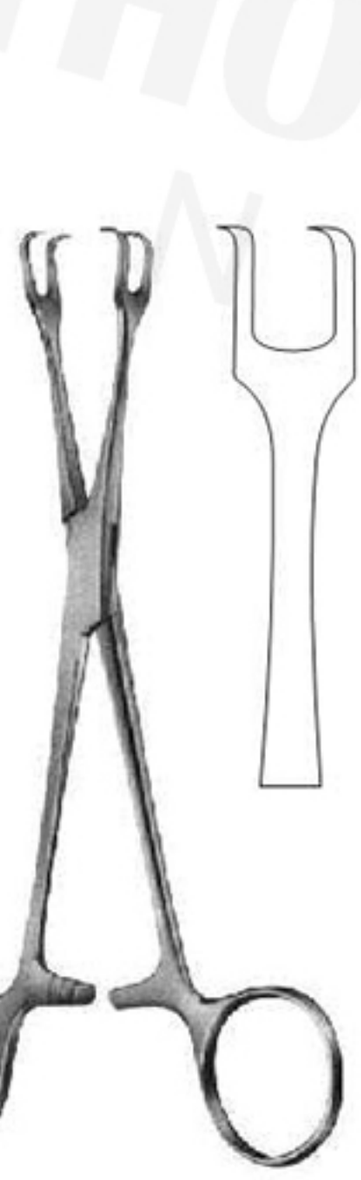

**04-369**
BABY-ALLIS
4 x 5 teeth
130 mm



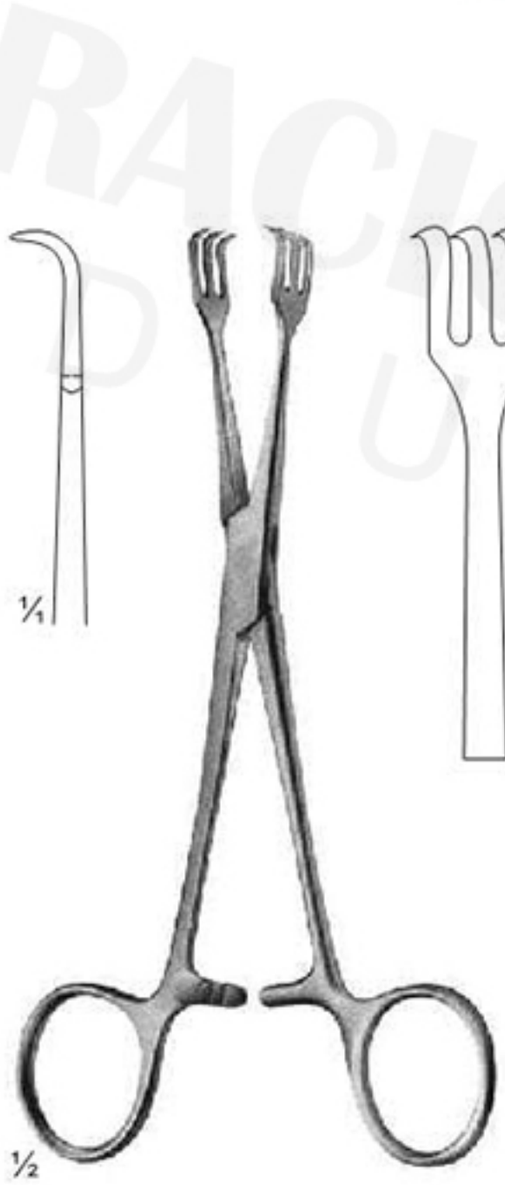

**04-370**
BOYS-ALLIS
5 x 6 teeth
155 mm



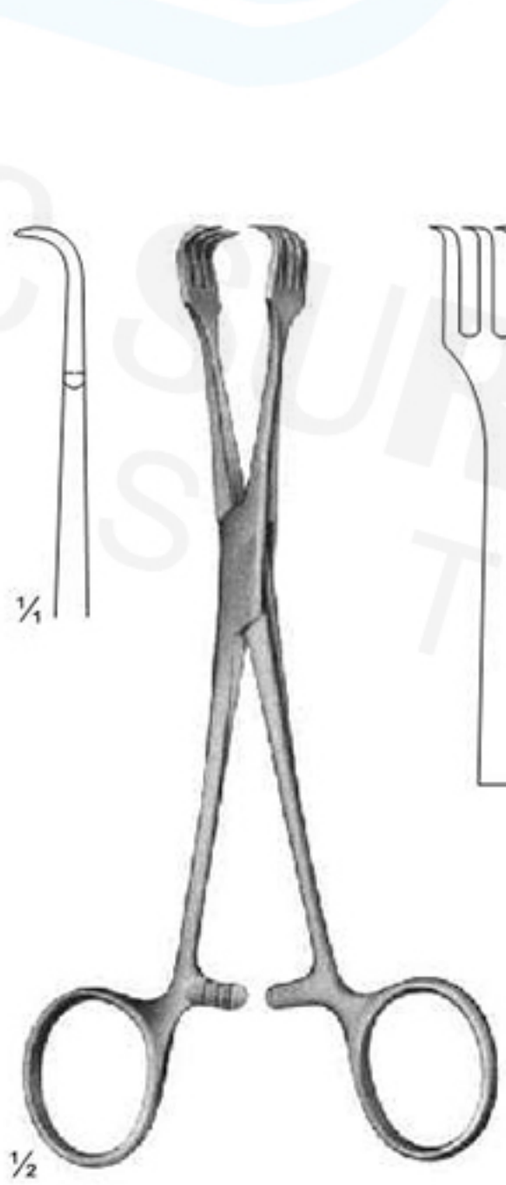

**04-371**
ALLIS
5 x 6 teeth
155 mm



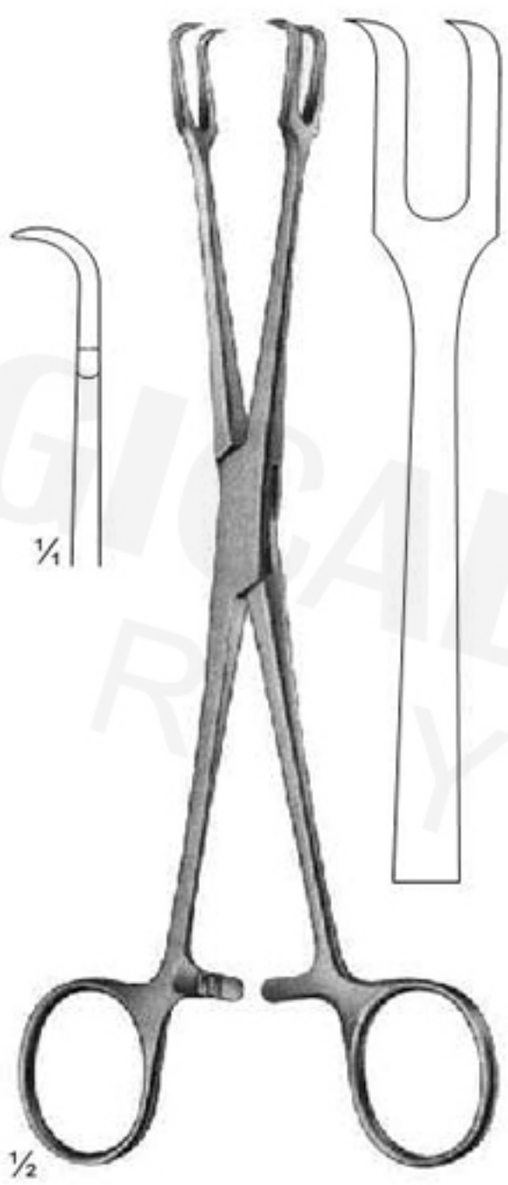

**04-372**
LAHEY
135 mm




**04-373**
LAHEY
135 mm

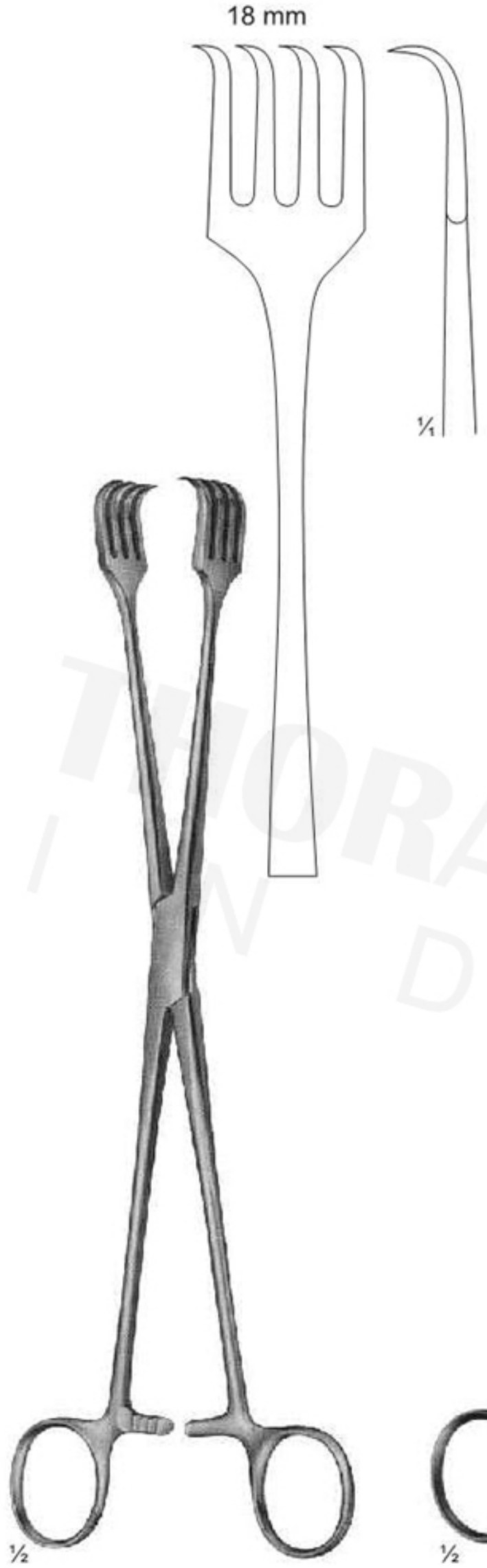



**04-374**
BRAUN
155 mm

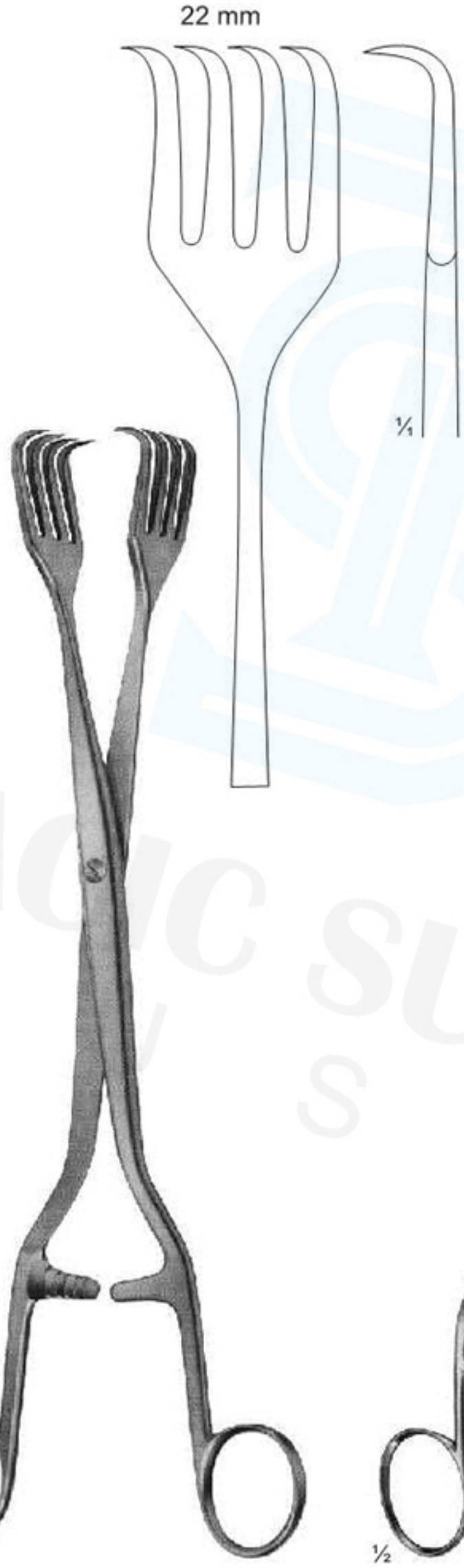



**04-375**
MUSEUX
200 mm

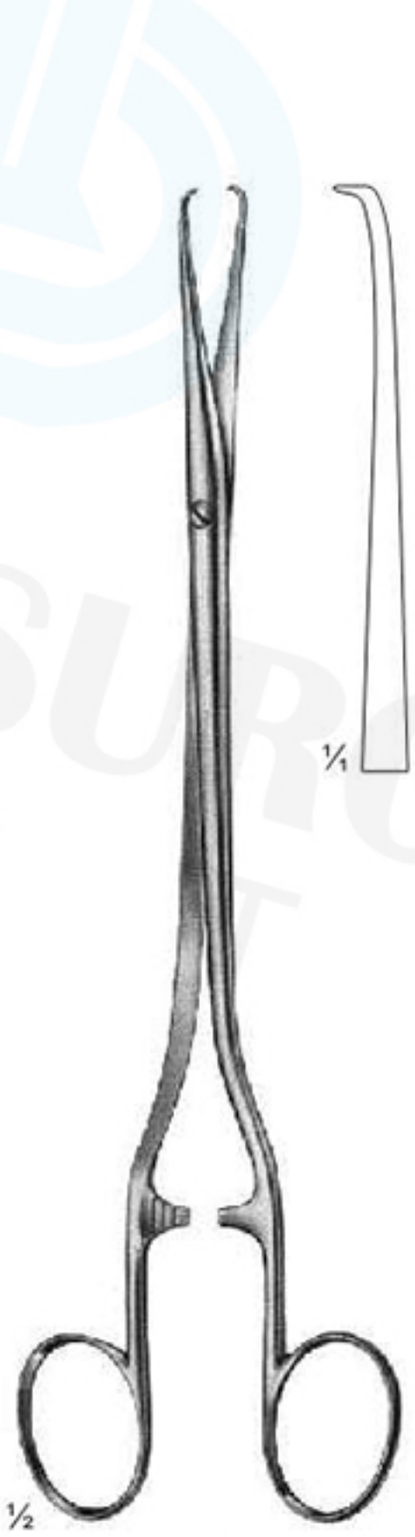
# Organ - and Tissue Grasping Forceps



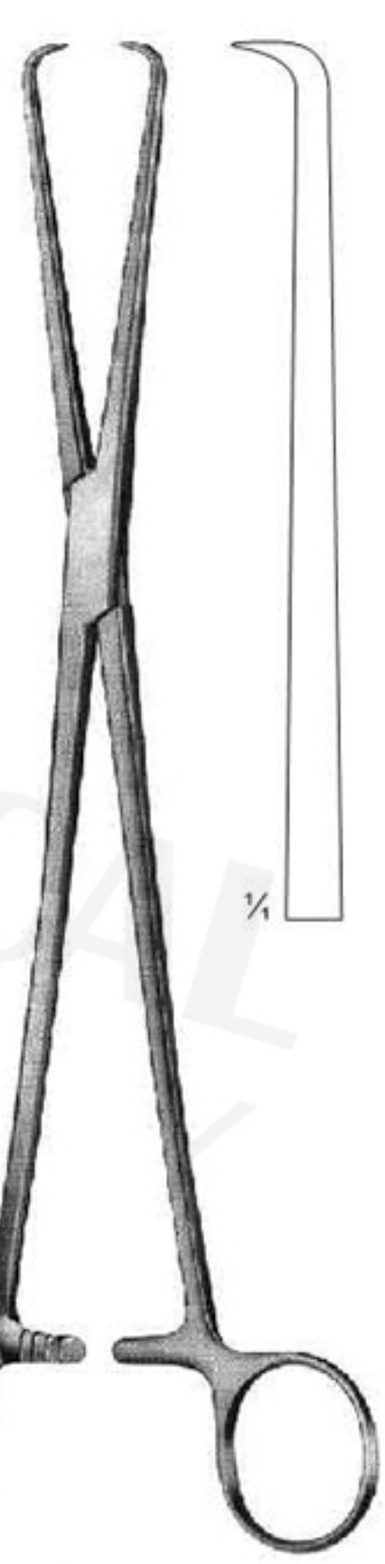

**04-376**
AESCULAP
260 mm




**04-377**
PRATT
270 mm




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




**04-379**
SCHRODER
250 mm

THORACIC SURGICAL INDUSTRY

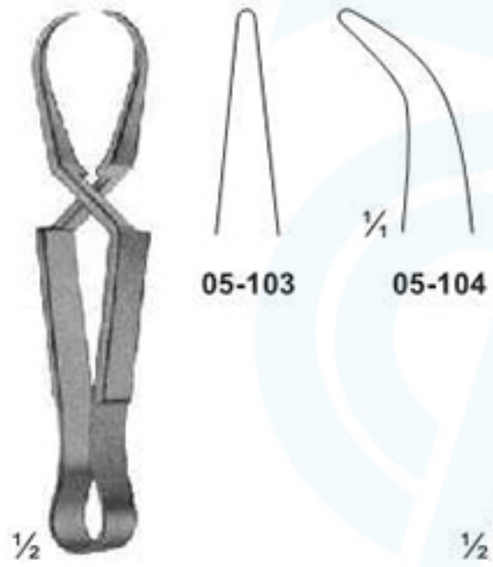
# Towel Clamps



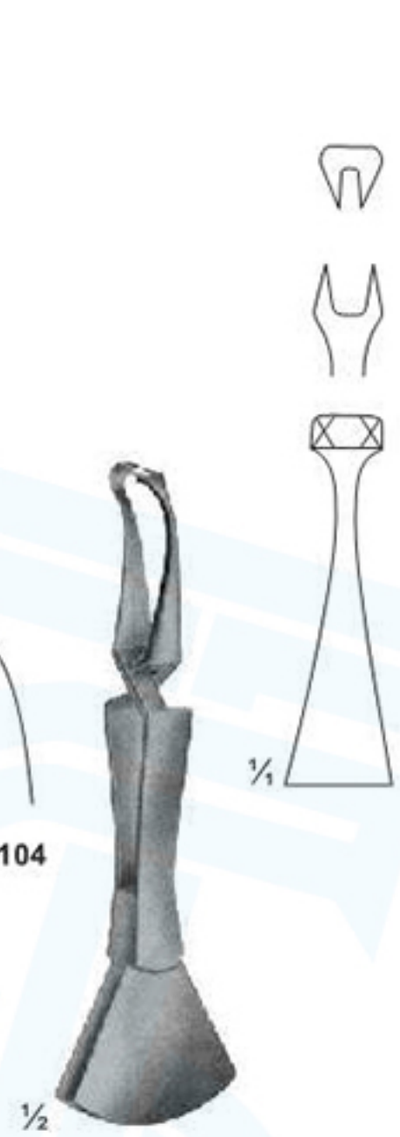
**05-101**
JONES
85 mm



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



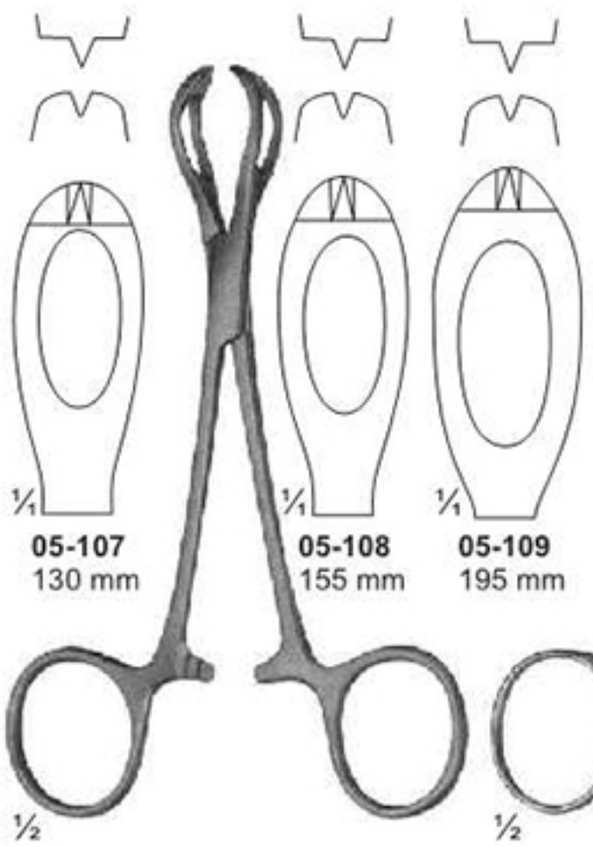

**05-103 - 104**
SCHAEDEL
85 mm



**05-105**
DOYEN
110 mm



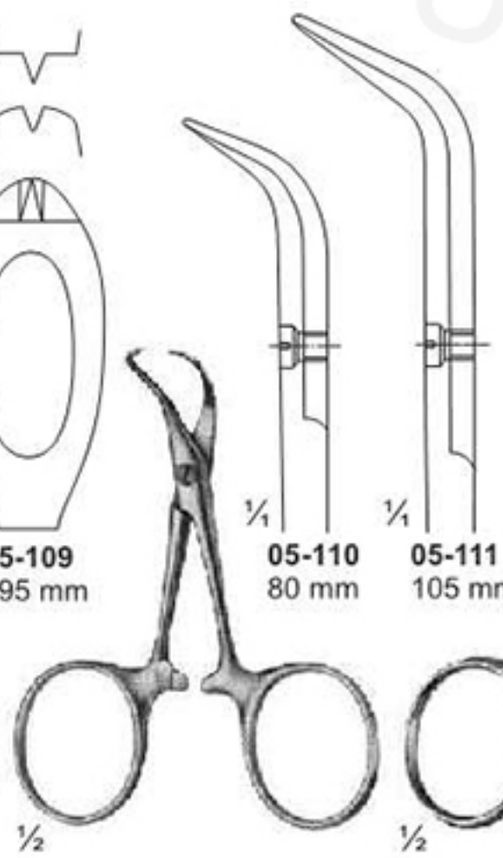
**05-106**
DOYEN
180 mm



**05-107**
130 mm

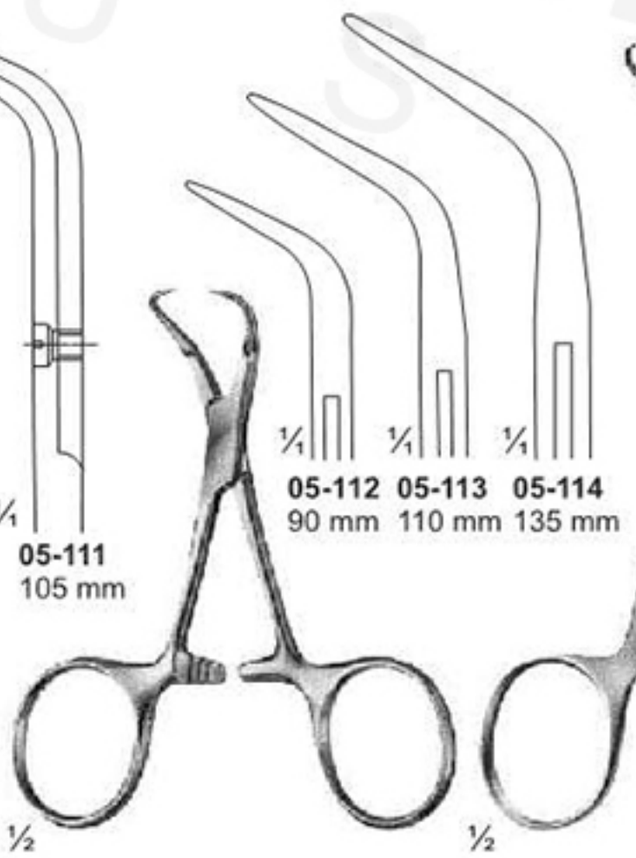
**05-108**
155 mm

**05-109**
195 mm



**05-110**
80 mm

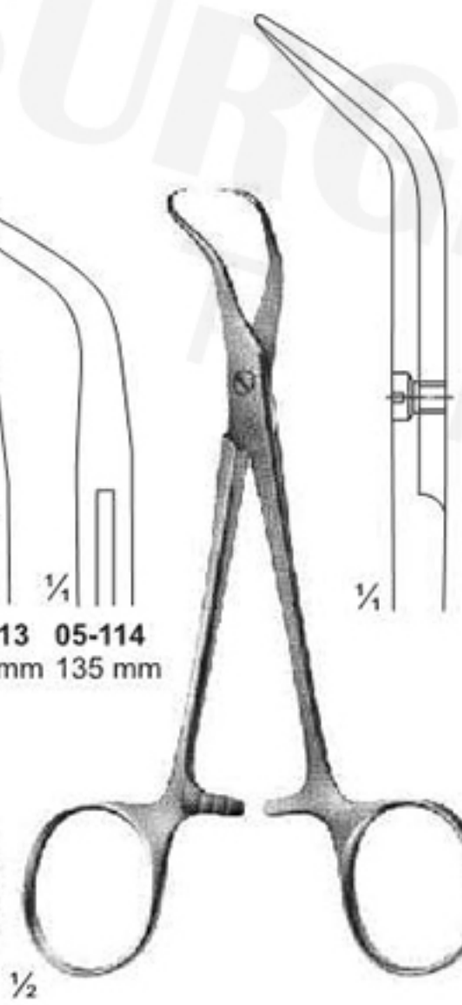
**05-111**
105 mm



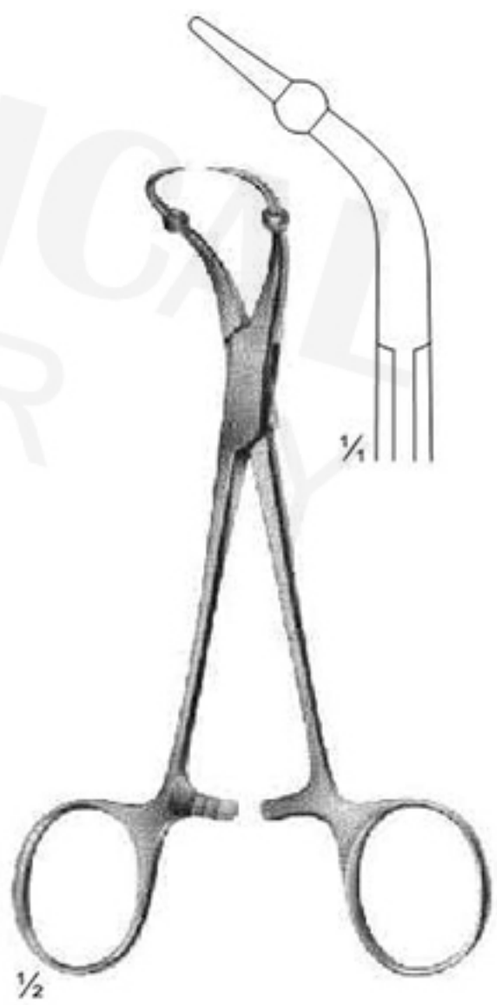
**05-112**
90 mm

**05-113**
110 mm

**05-114**
135 mm



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



**05-116**
ROEDER
135 mm

THORACIC SURGICAL INDUSTRY




**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

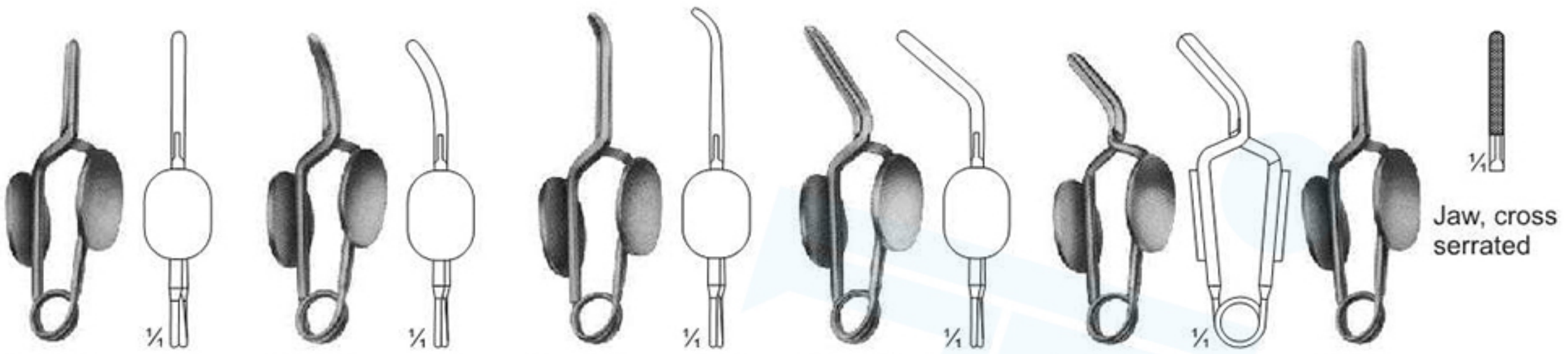



**05-122**
MAYO
140 mm

THORACIC SURGICAL INDUSTRY

# Muller Vessel Clips and Bulldog Clamps

## Closing force



**05-123** Straight 80g 50g

**05-124** Curved 80g 50g

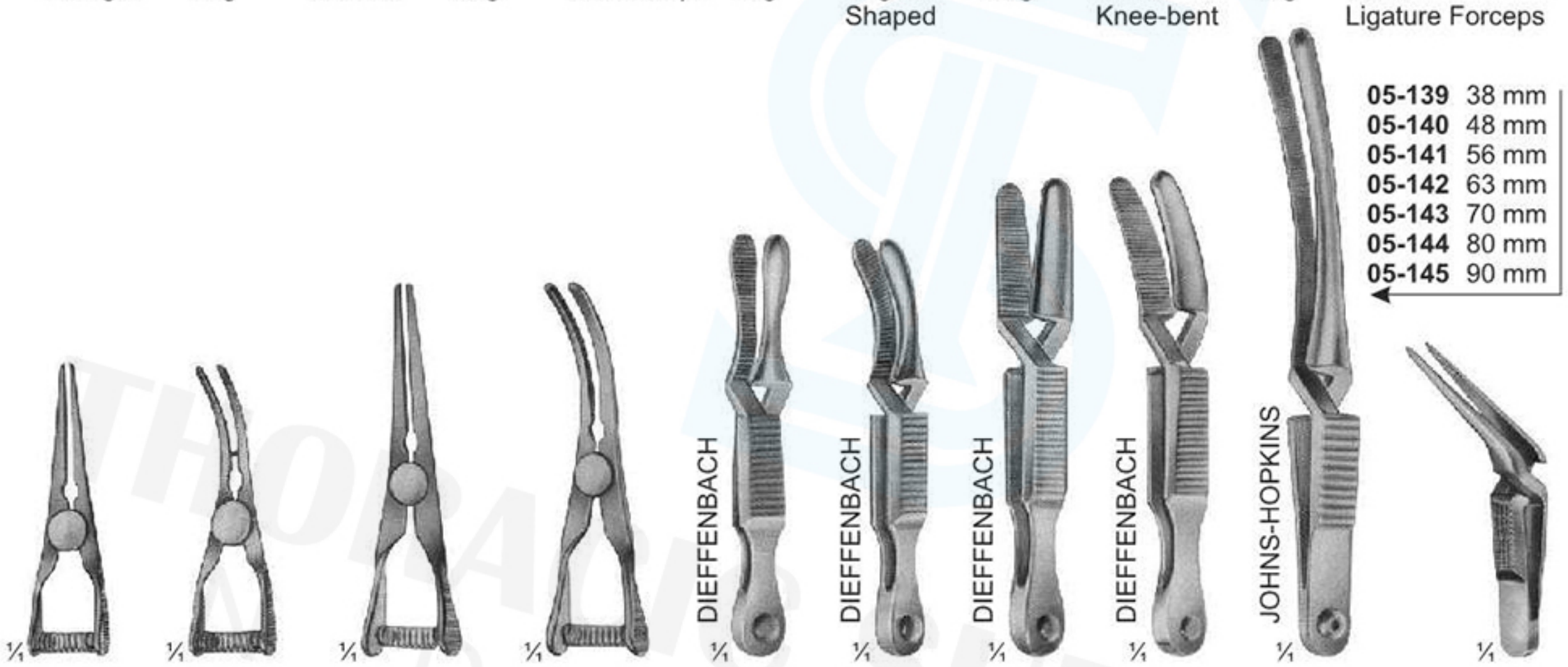
**05-125** Curved tips 80g 50g

**05-126** Angled Shaped 80g 50g

**05-127** Muller Knee-bent 80g 50g

**05-128** Muller Ligature Forceps

Jaw, cross serrated



**05-139** 38 mm
**05-140** 48 mm
**05-141** 56 mm
**05-142** 63 mm
**05-143** 70 mm
**05-144** 80 mm
**05-145** 90 mm

**05-129** 35 mm

**05-130** 35 mm

**05-131** 45 mm

**05-132** 45 mm

**05-133** **05-134** 38 mm 48 mm

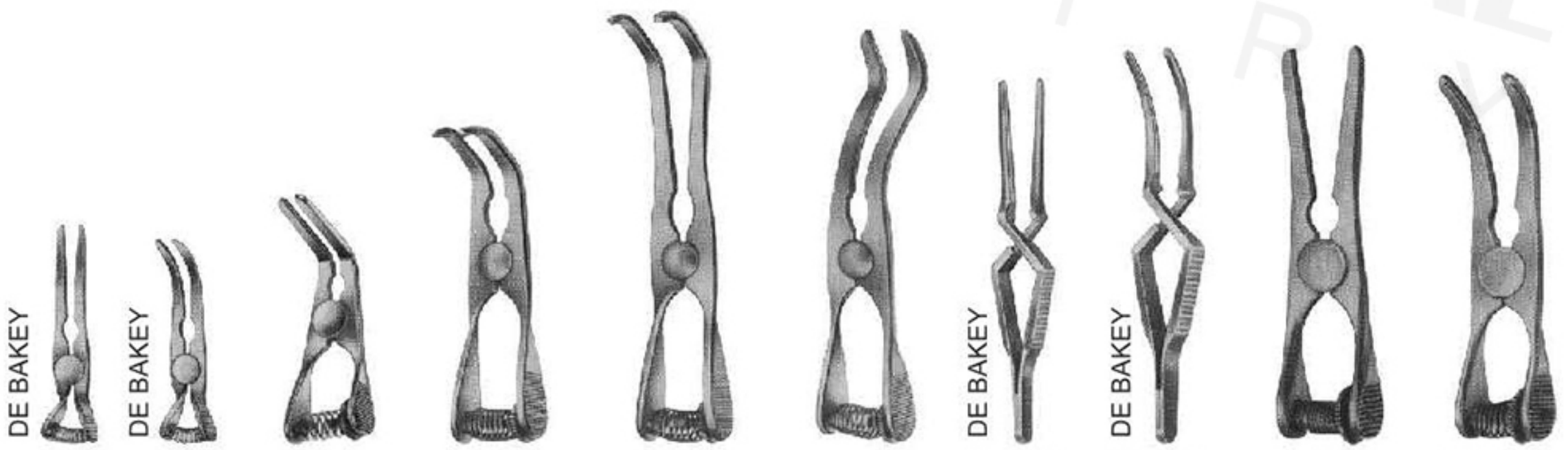
**05-135** **05-136** 38 mm 48 mm

**05-137** 58 mm

**05-138** 58 mm

**05-139 - 145** 91 mm

**05-146** DE BAKEY-HESS 20 mm



**05-147** Length 50 mm Jaws 27 mm

**05-148** Length 48 mm Jaws 27 mm

**05-149** GLOVER Length 57 mm Jaws 35 mm

**05-150** DE BAKEY Length 73 mm Jaws 38 mm

**05-151** DE BAKEY Length 99 mm Jaws 63 mm

**05-152** DE BAKEY Length 95 mm Jaws 54 mm

**05-153** L. 80 mm
**05-154** L. 90 mm
**05-155** L. 105 mm
**05-156** L. 124 mm

**05-157** L. 78 mm
**05-158** L. 86 mm
**05-159** L. 97 mm
**05-160** L. 114 mm

**05-161** GLOVER L. 68 mm
**05-162** L. 96 mm
**05-163** L. 117 mm

**05-164** GLOVER L. 65 mm
**05-165** L. 91 mm
**05-166** L. 110 mm

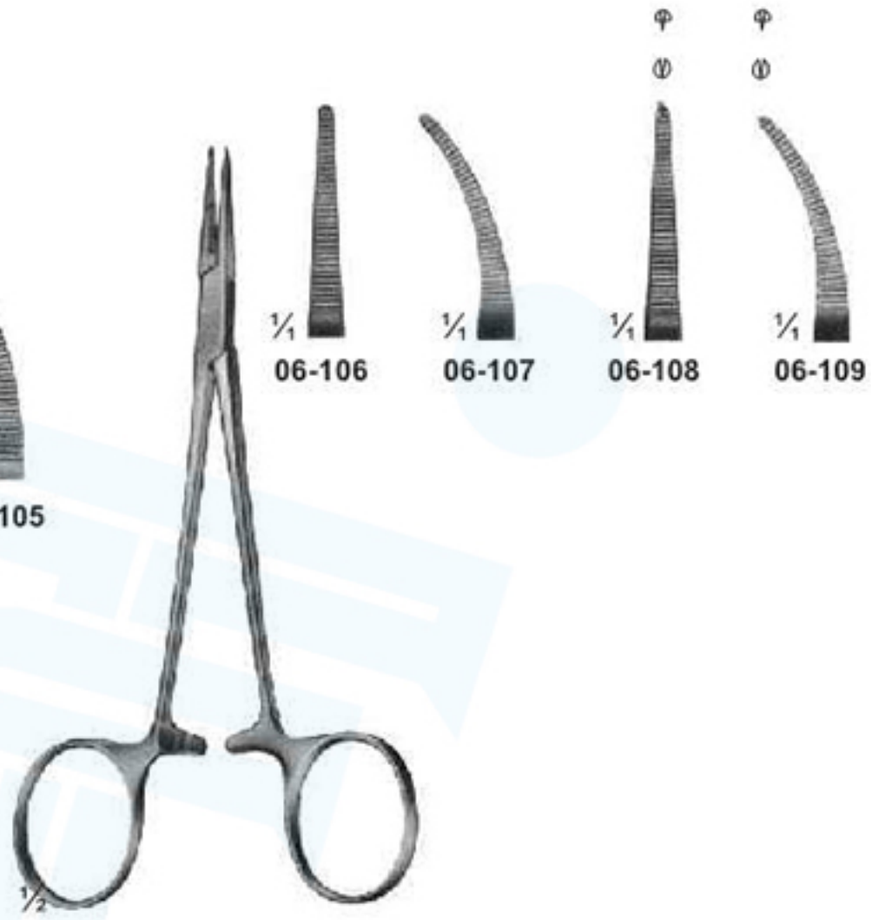
# Delicate Haemostatic Forceps



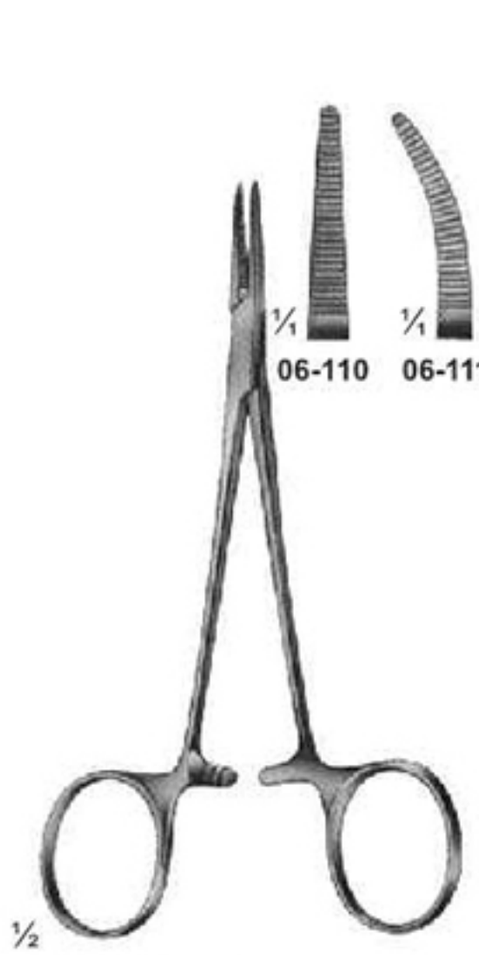
**06-101**
CARREL
85 mm



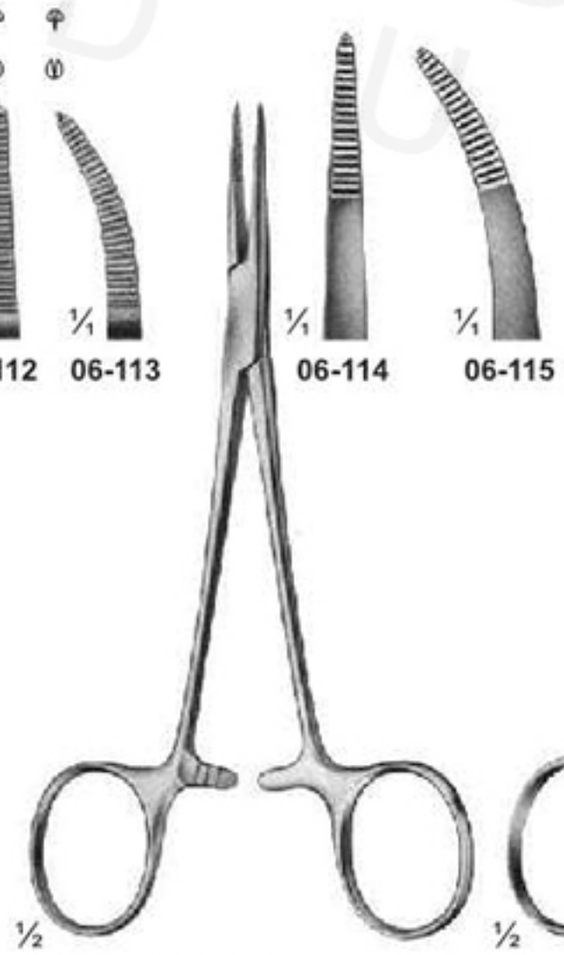

**06-102 - 105**
BABY-MOSQUITO
(HARTMANN)
100 mm



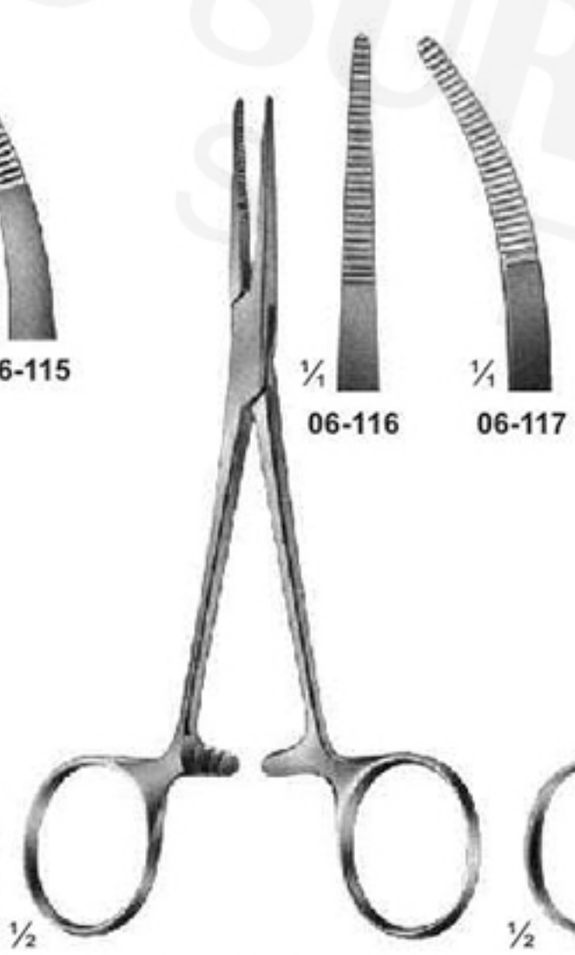

**06-106 - 109**
MICRO-HALSTED
125 mm



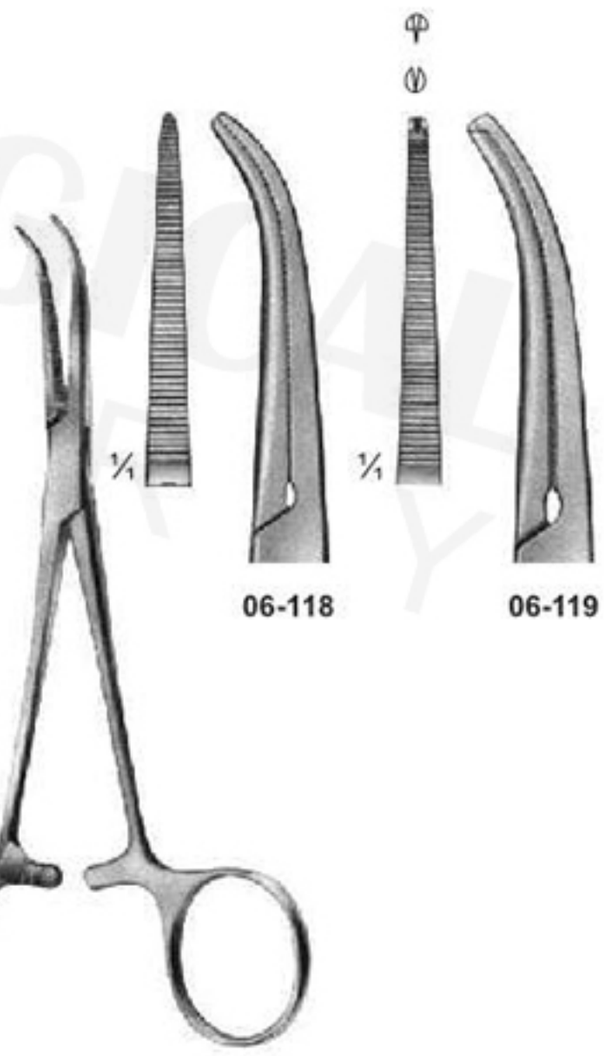

**06-110 - 113**
HALSTED-MOSQUITO
125 mm




**06-114 - 115**
PROVIDENCE-HOSPITAL
140 mm



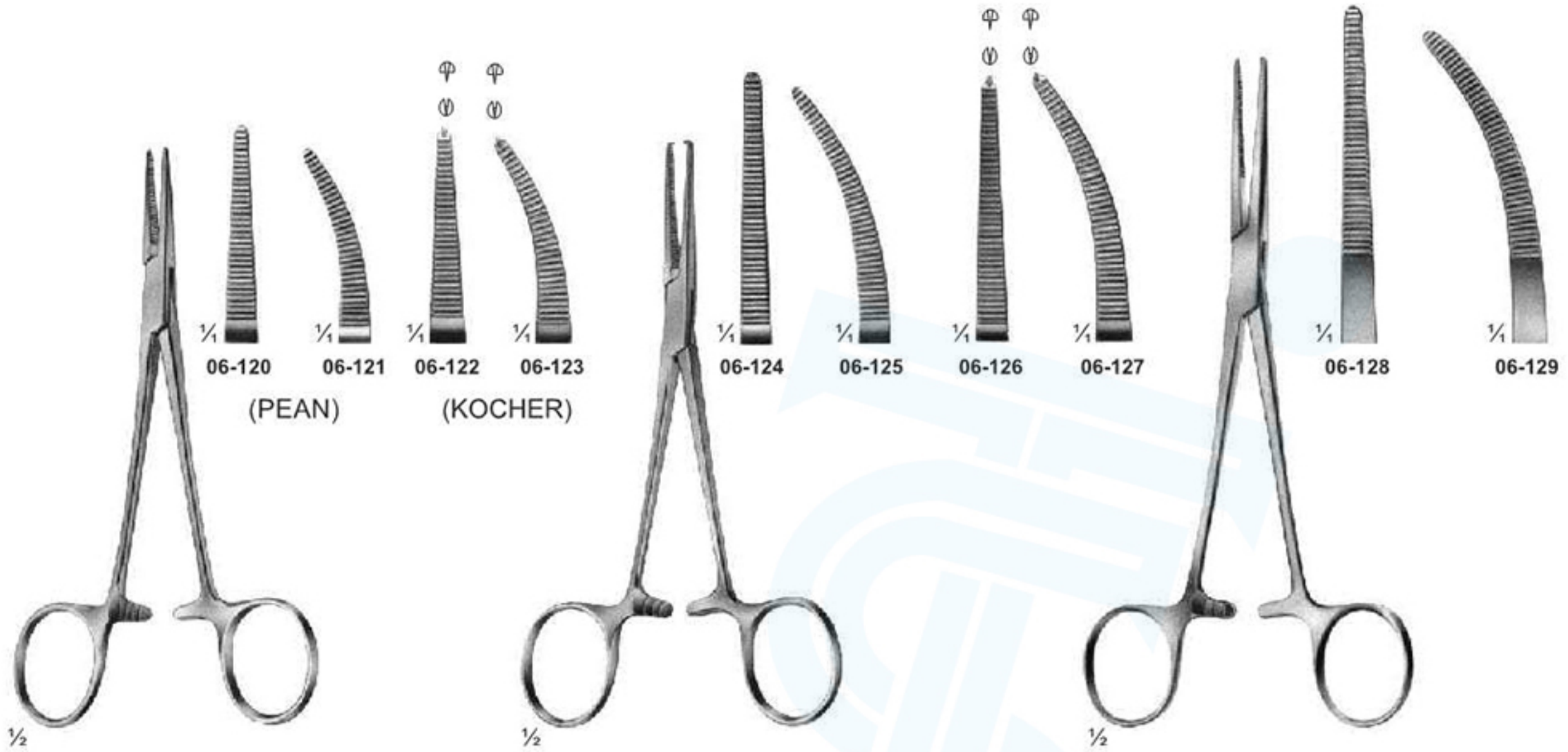

**06-116 - 117**
KELLY
140 mm




**06-118 - 119**
DANDY
Curved sideways
140 mm

THORACIC SURGICAL INDUSTRY

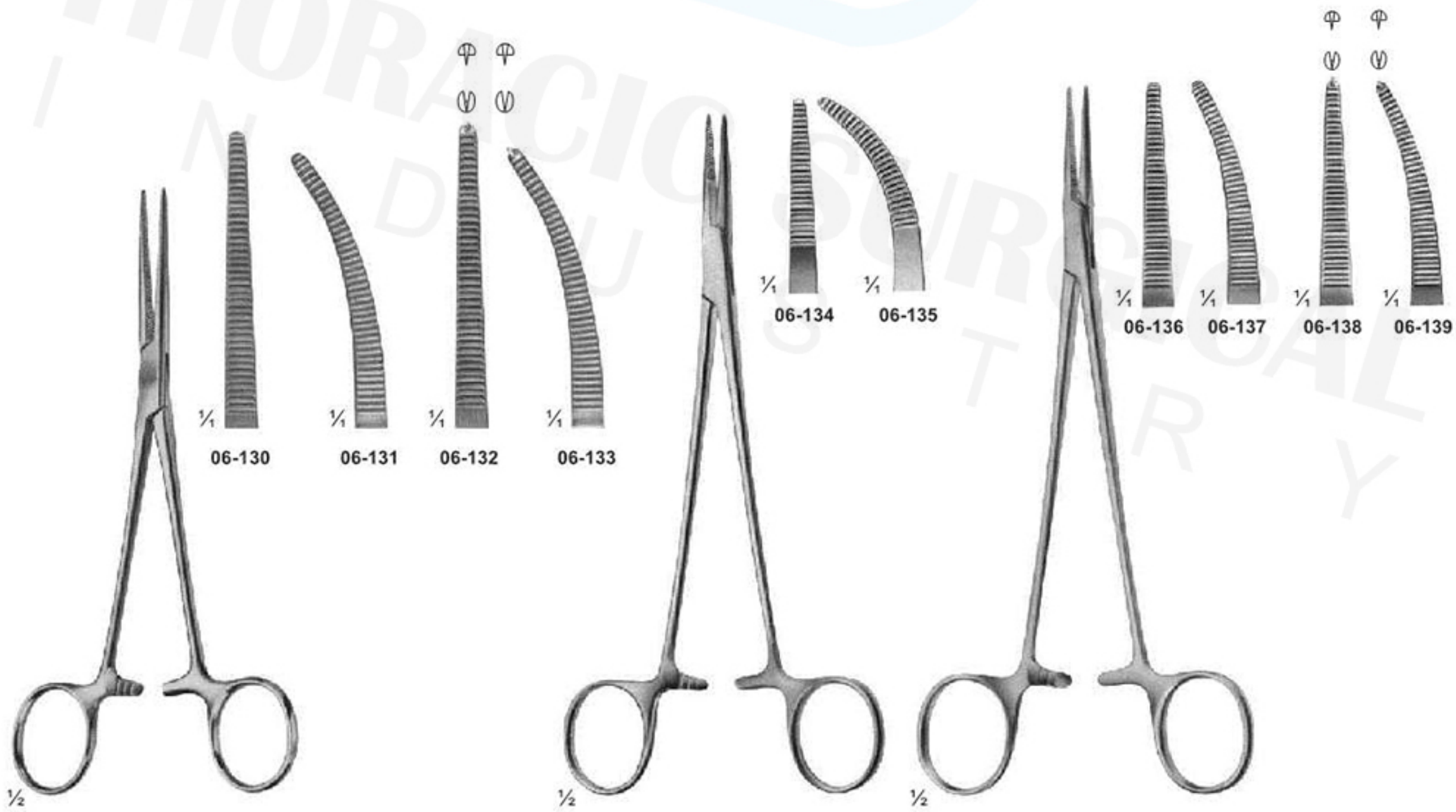
# Delicate Haemostatic Forceps




**06-120 - 123**
BABY-CRILE
140 mm

**06-124 - 127**
CRILE
140 mm

**06-128 - 129**
RANKIN
160 mm

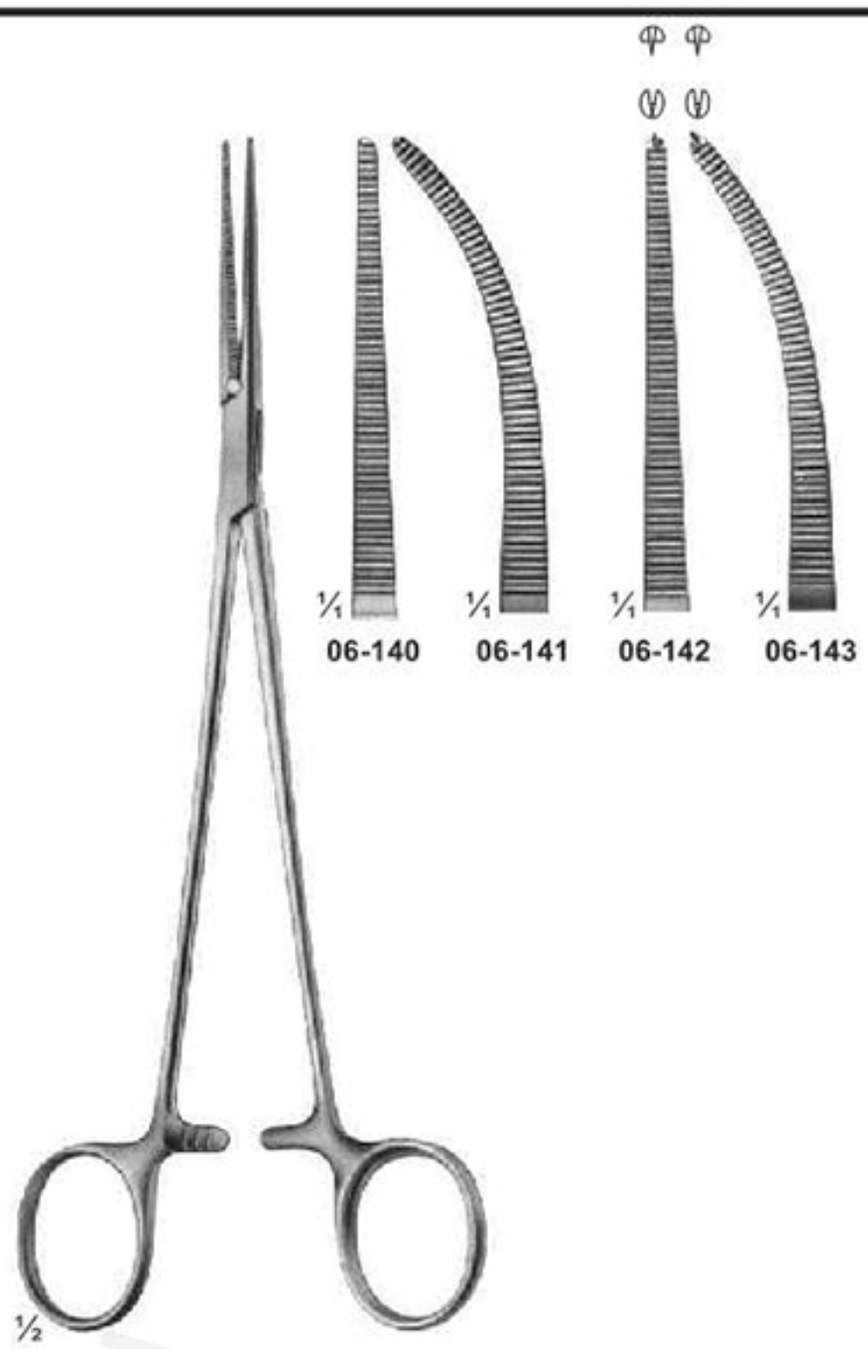



**06-130 - 133**
CRILE
160 mm

**06-134 - 135**
ADSON
185 mm

**06-136 - 139**
HALSTED
185 mm

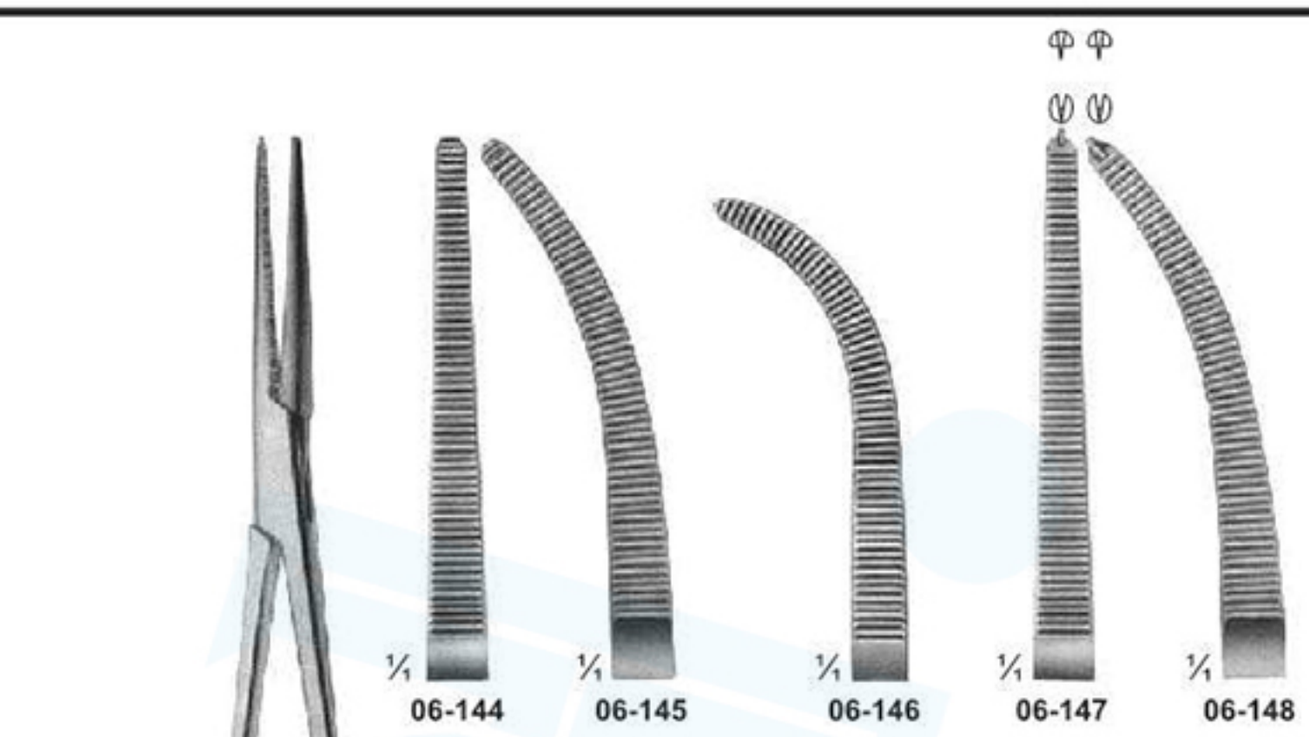
# Delicate Haemostatic Forceps



1/1 06-140 1/1 06-141 1/1 06-142 1/1 06-143

1/2

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



1/1 06-144 1/1 06-145 1/1 06-146 1/1 06-147 1/1 06-148



1/2

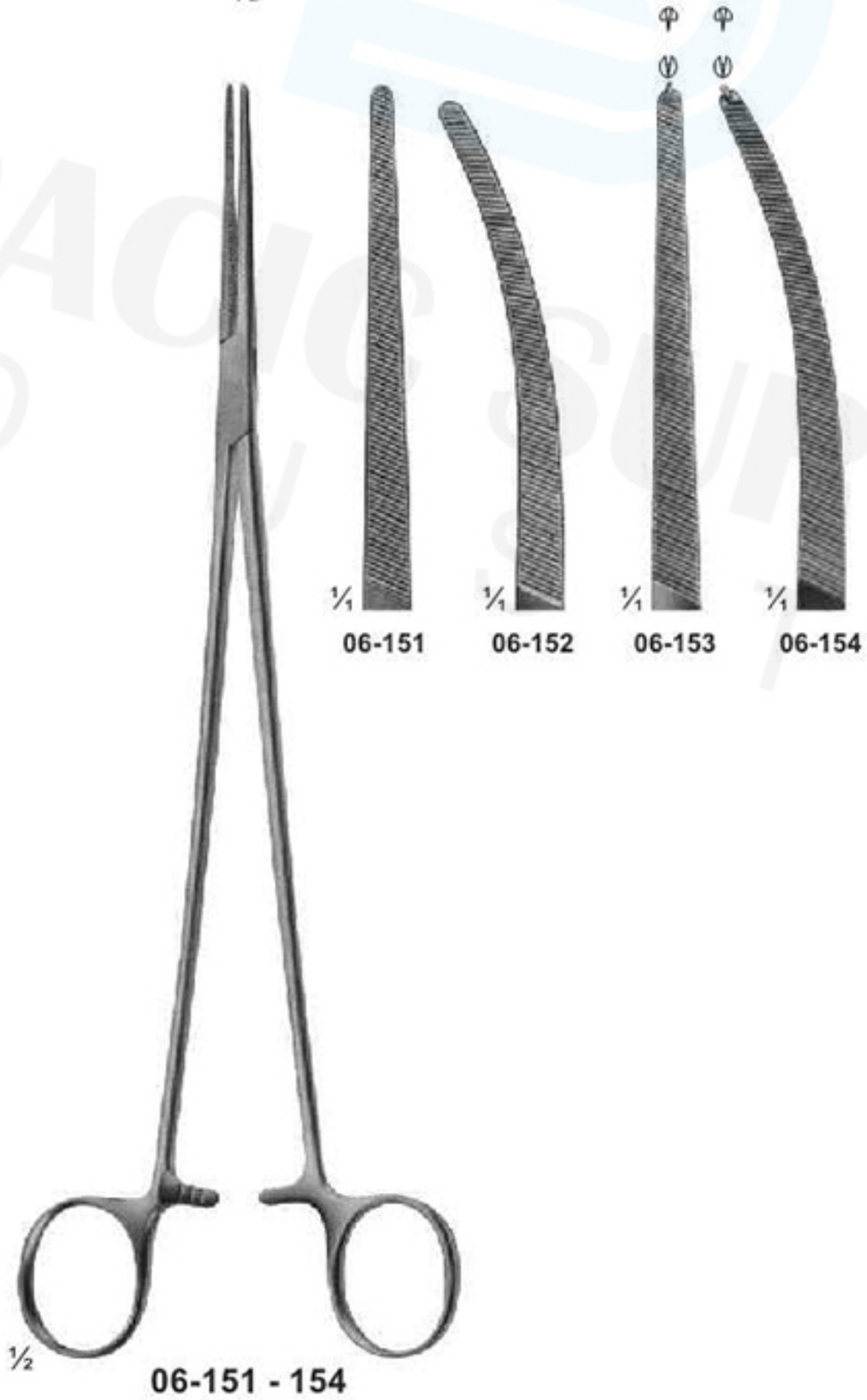
**06-144 - 148**
HEISS
200 mm



1/1 06-149 1/1 06-150

1/2

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



1/1 06-151 1/1 06-152 1/1 06-153 1/1 06-154

1/2

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

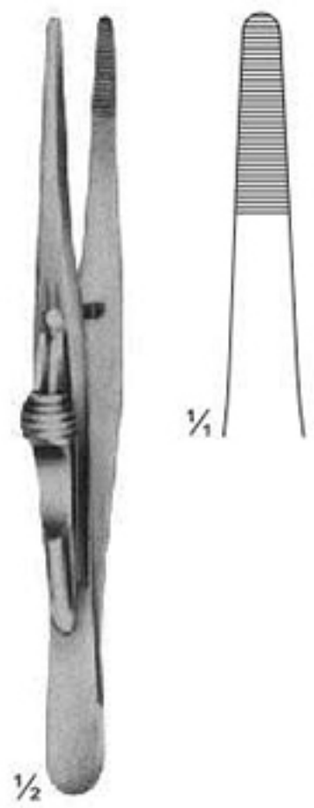


1/1 06-155

1/2

**06-155**
CRAFOORD
245 mm

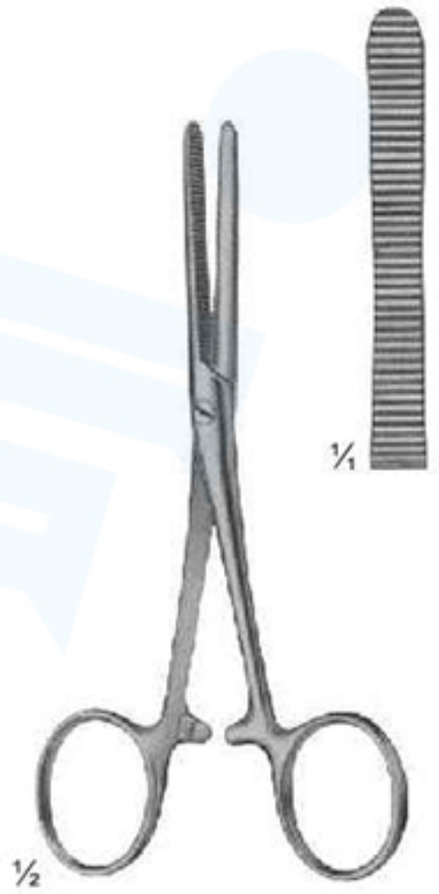
# Haemostatic Forceps




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




**06-157**
KRONLEIN
130 mm




**06-158**
PEAN
125 mm

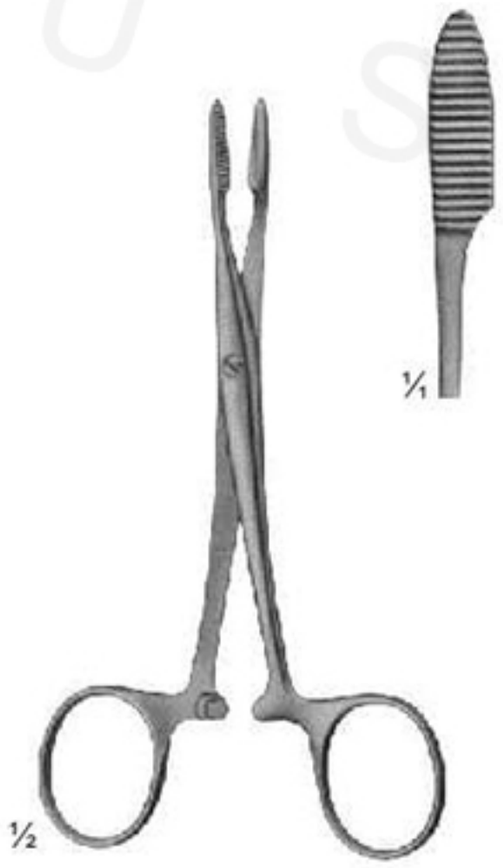



**06-159**
125 mm




**06-160**
140 mm

**06-159 - 160**
PEAN




**06-161**
PEAN



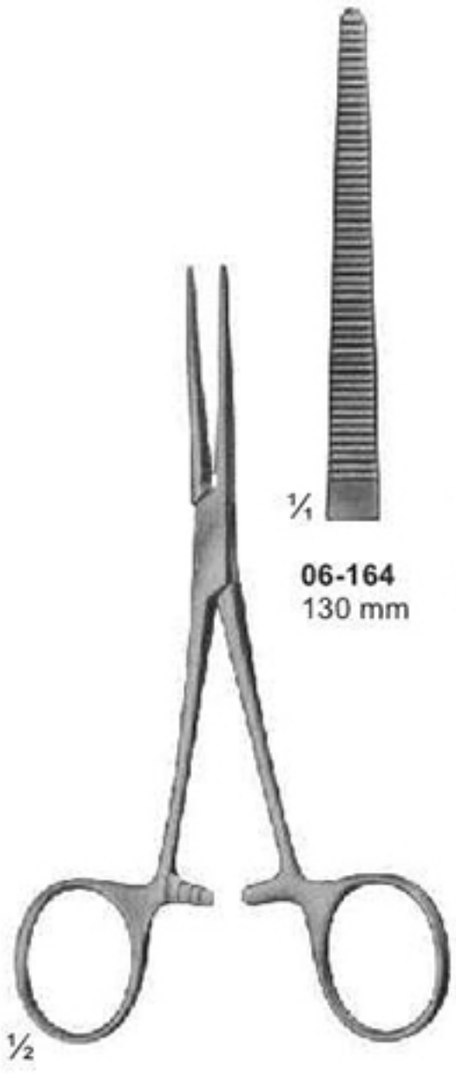

**06-162**
165 mm

**06-163**
185 mm

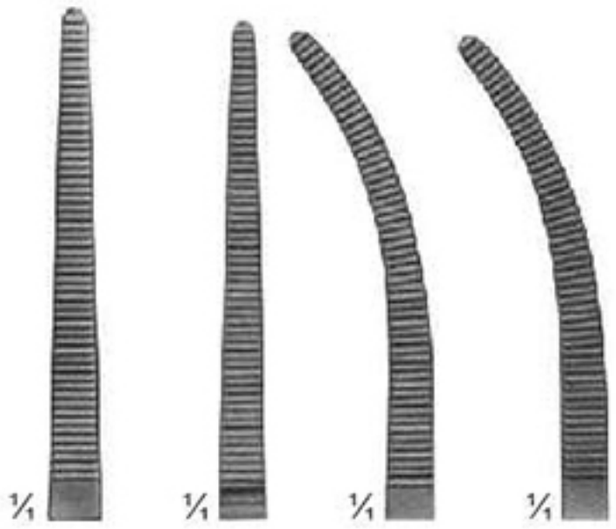
**06-162 - 163**
PEAN

THORACIC SURGICAL INDUSTRY

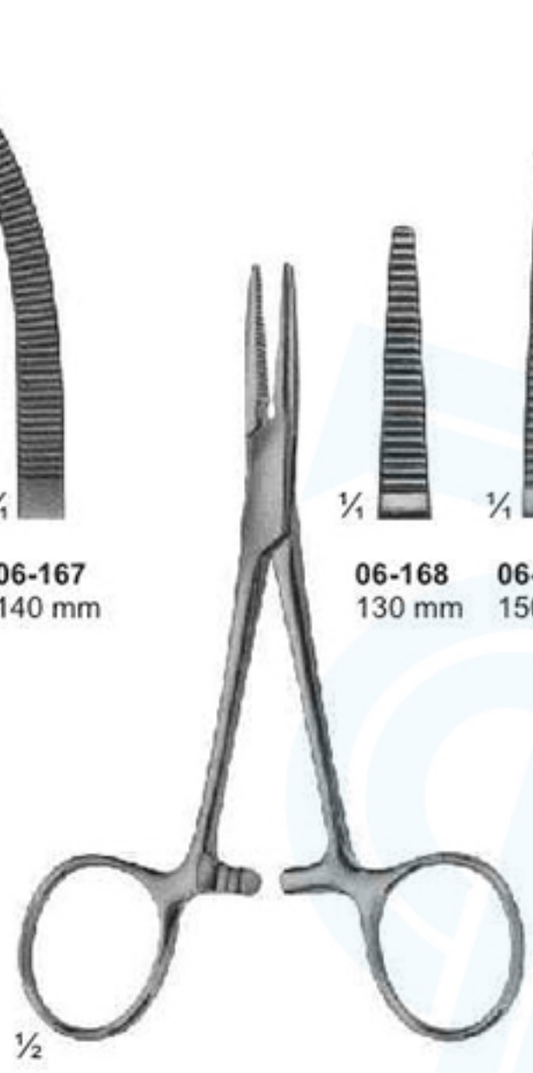
# Haemostatic Forceps



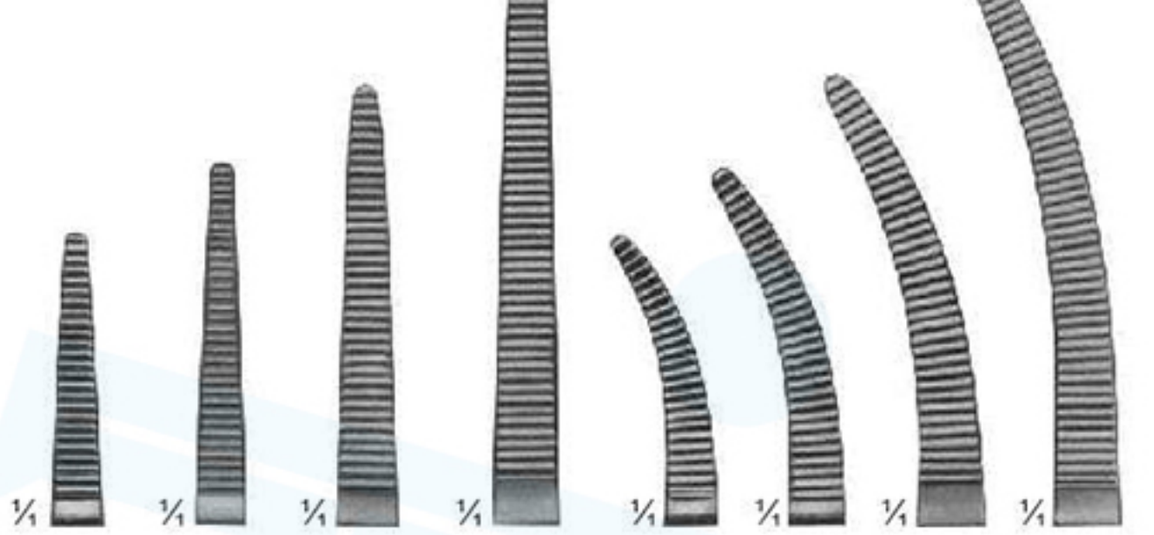
**06-164 - 167**
PEAN
Slender type



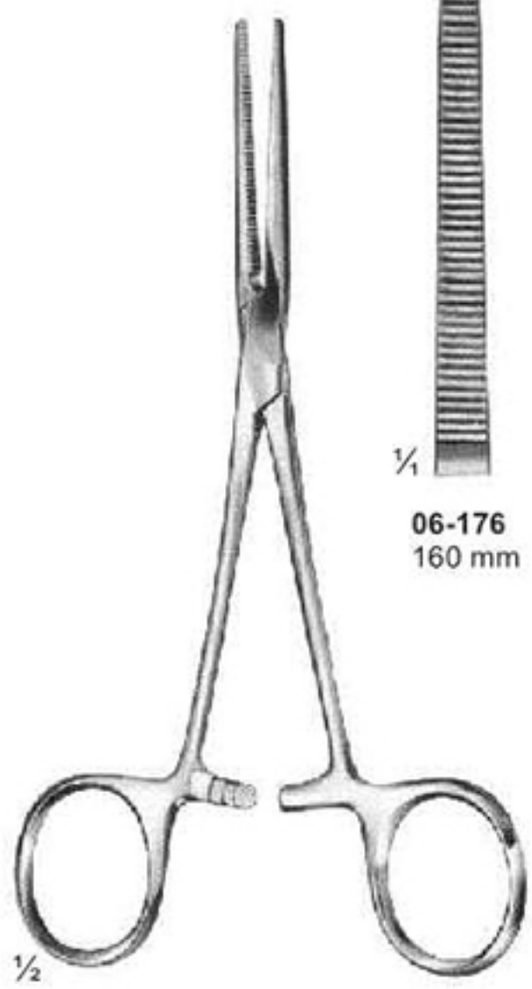
**06-164** 130 mm
**06-165** 140 mm
**06-166** 130 mm
**06-167** 140 mm



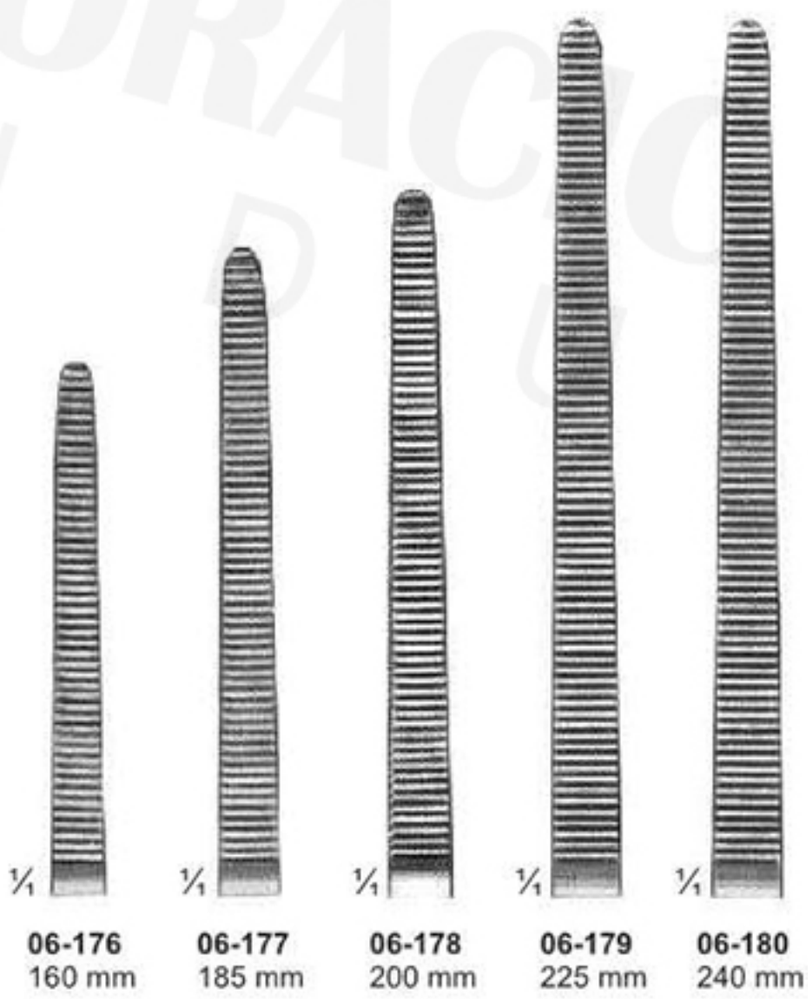
**06-168 - 175**
SPENCER-WELLS
Slender type



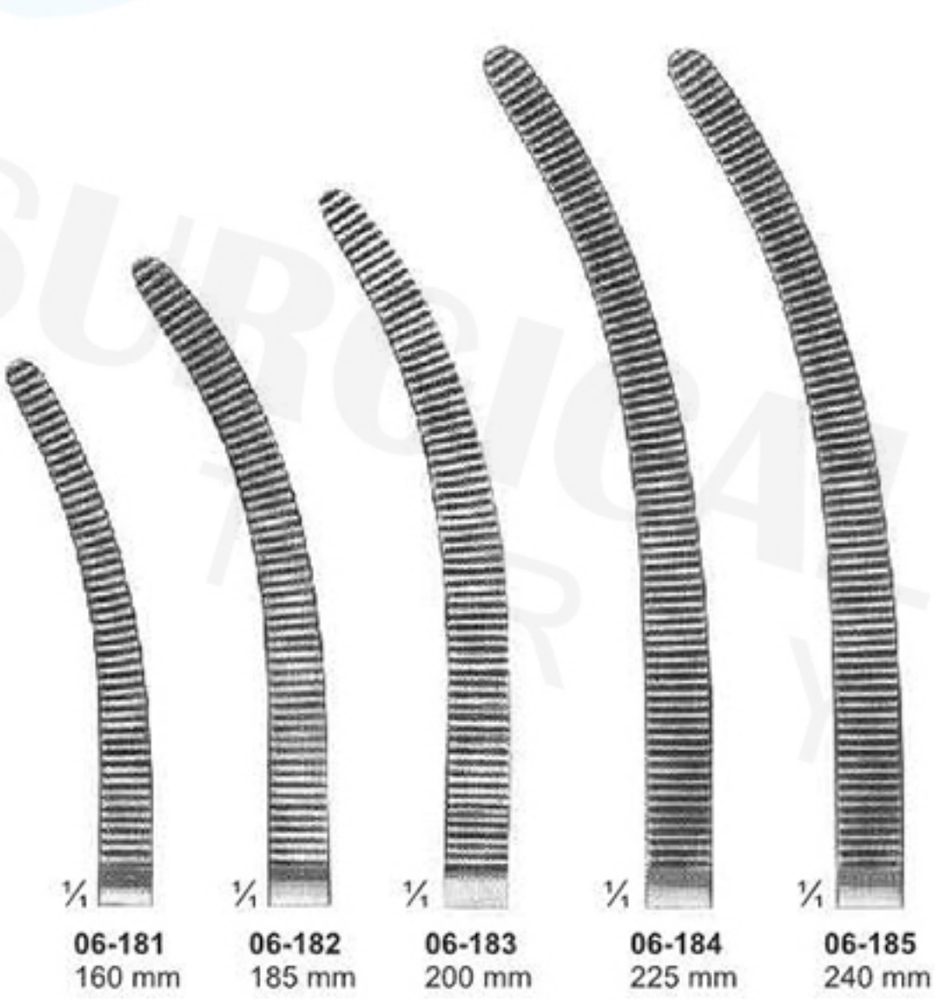
**06-168** 130 mm
**06-169** 150 mm
**06-170** 175 mm
**06-171** 200 mm
**06-172** 130 mm
**06-173** 150 mm
**06-174** 175 mm
**06-175** 200 mm



**06-176 - 185**
ROCHESTER-PEAN



**06-176** 160 mm
**06-177** 185 mm
**06-178** 200 mm
**06-179** 225 mm
**06-180** 240 mm



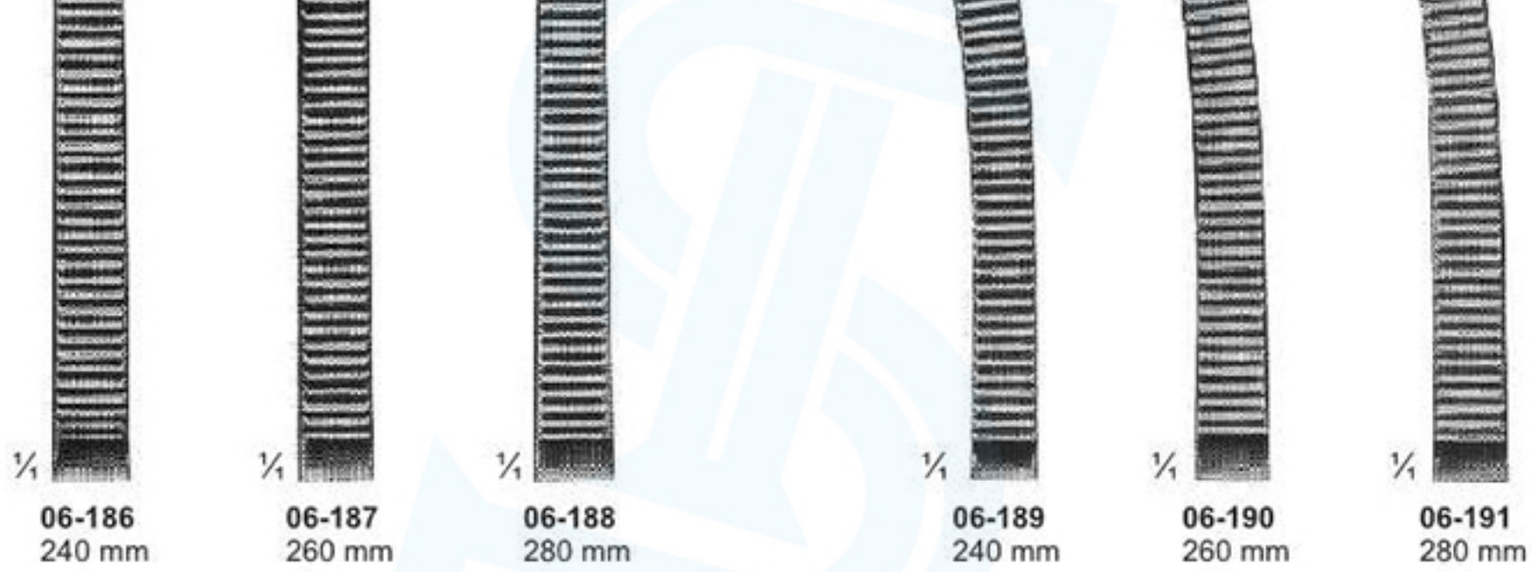
**06-181** 160 mm
**06-182** 185 mm
**06-183** 200 mm
**06-184** 225 mm
**06-185** 240 mm

THORACIC SURGICAL INSTRUMENTS

# Haemostatic Forceps




**06-186 - 191**
PEAN




**06-186**
240 mm

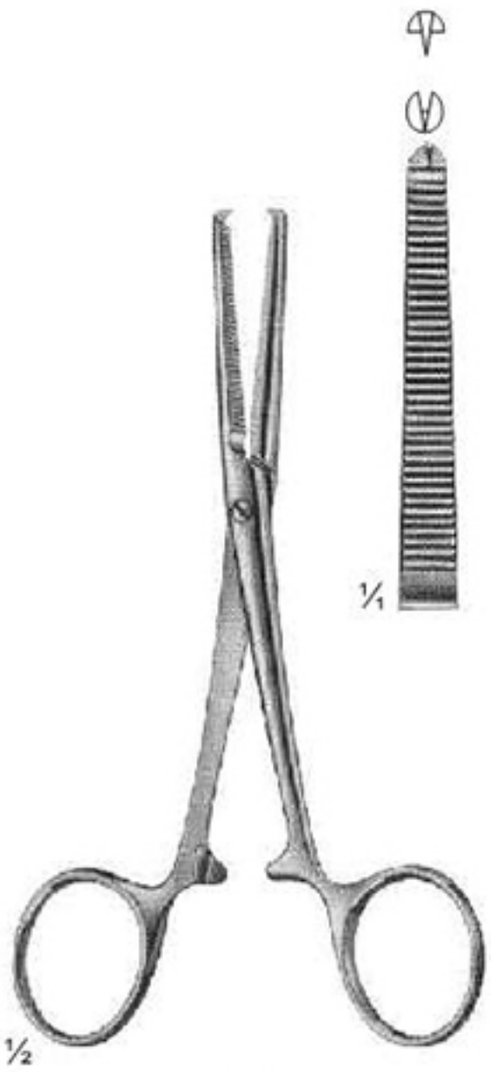
**06-187**
260 mm

**06-188**
280 mm

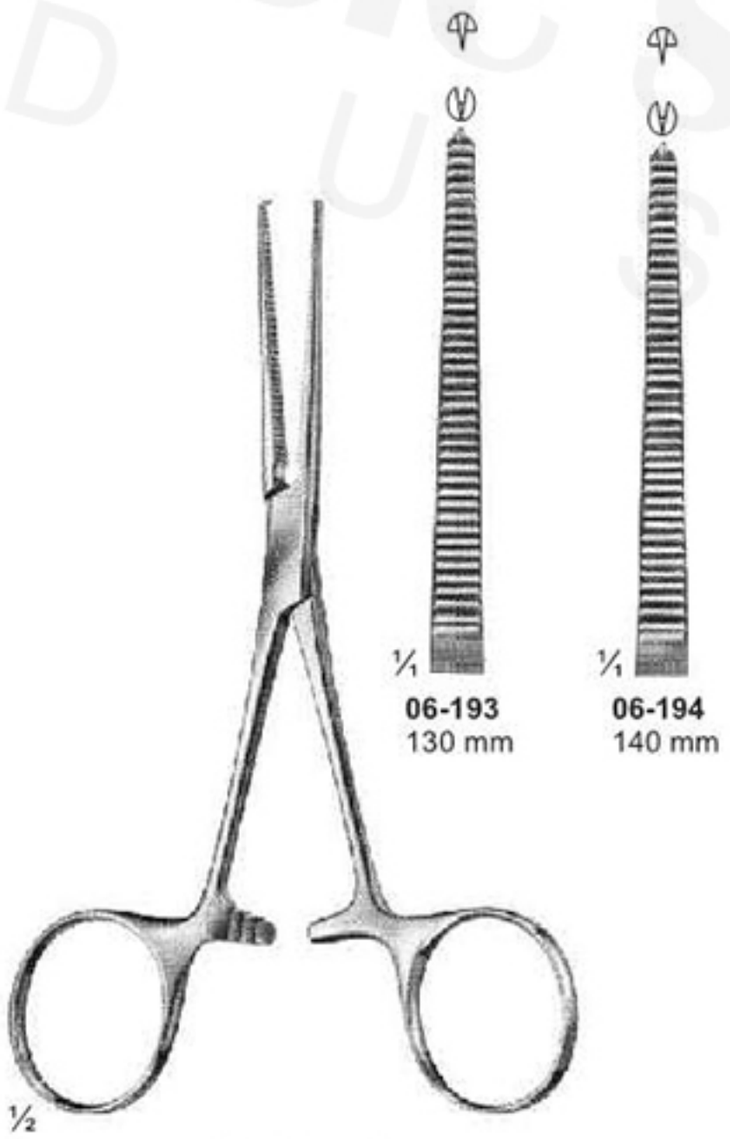
**06-189**
240 mm

**06-190**
260 mm

**06-191**
280 mm




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

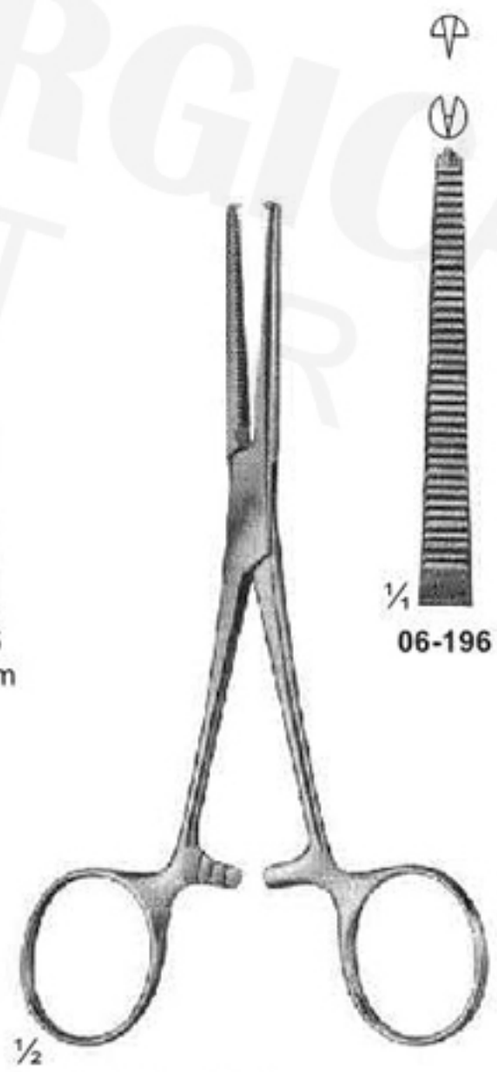



**06-193 - 195**
KOCHER

**06-193**
130 mm

**06-194**
140 mm

**06-195**
140 mm



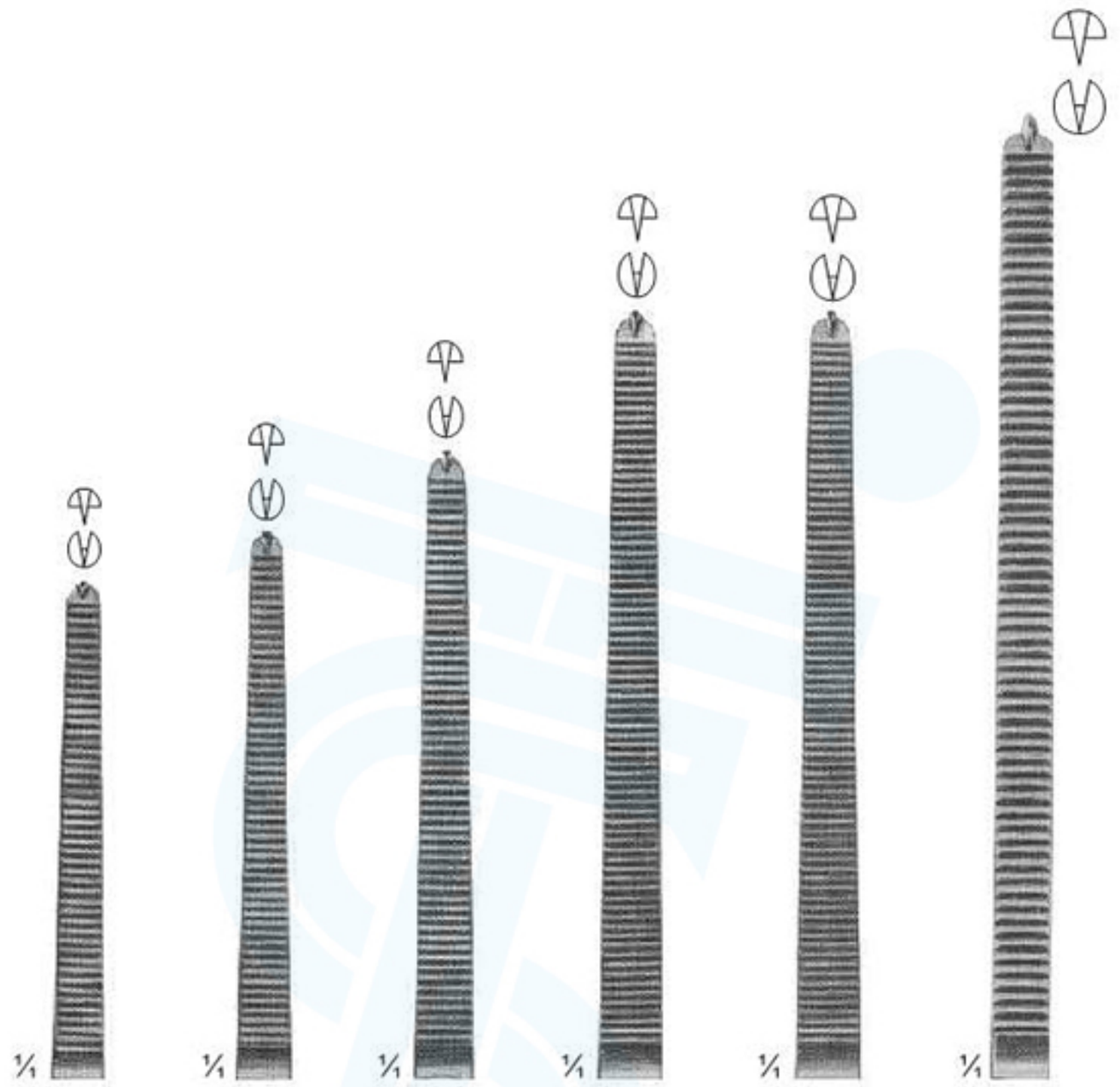

**06-196 - 197**
ROCHESTER-OCHSNER
140 mm

**06-196**

**06-197**

THORACIC SURGICAL INSTRUMENTS

# Haemostatic Forceps




**06-198**
160 mm

**06-199**
185 mm

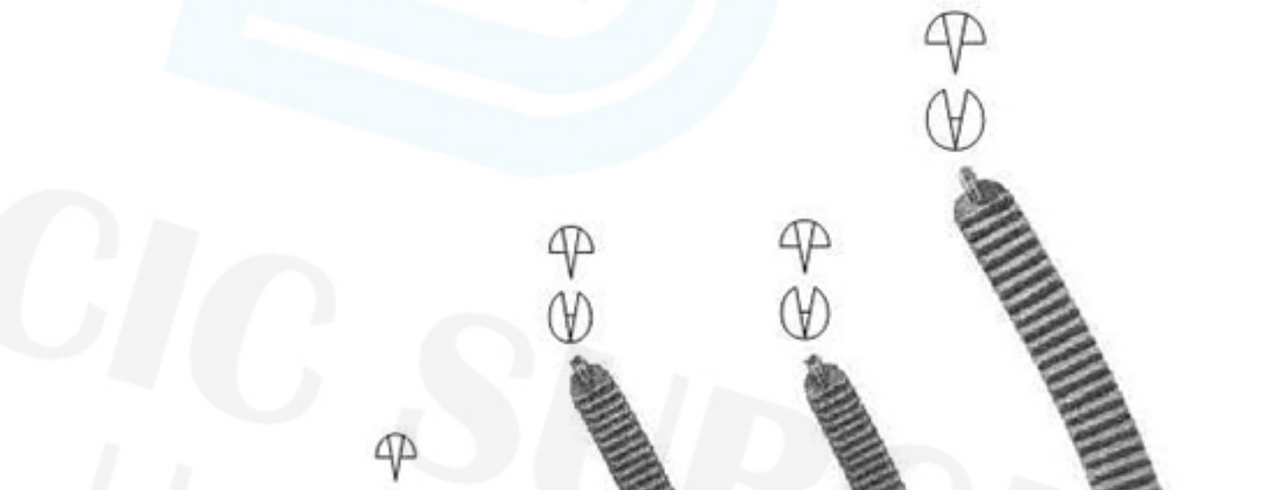
**06-200**
200 mm

**06-201**
225 mm

**06-202**
240 mm

**06-203**
260 mm




**06-204**
160 mm

**06-205**
185 mm

**06-206**
200 mm

**06-207**
225 mm

**06-208**
240 mm

**06-209**
260 mm

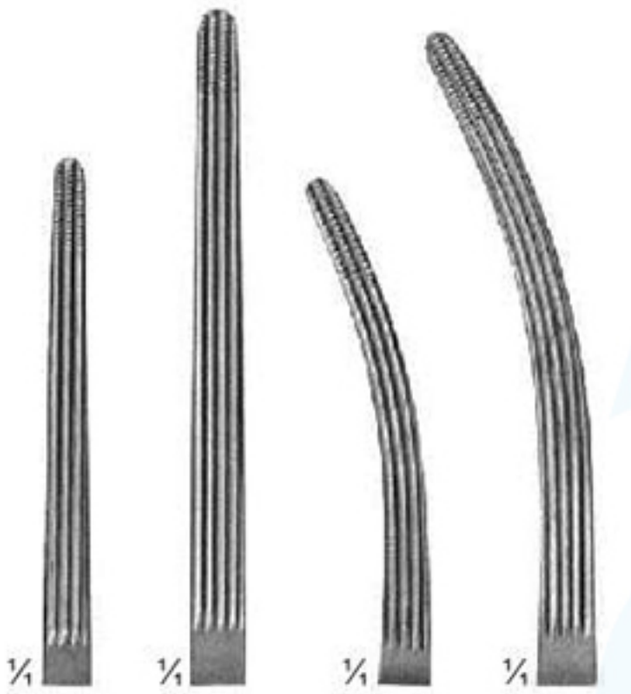
**06-198 - 209**
KOCHER-OCHSNER

THORACIC SURGICAL INSTRUMENTS

# Haemostatic Forceps, Special Pattern, Tonsil Forceps



**06-210 - 213**
ROCHESTER-CARMALT

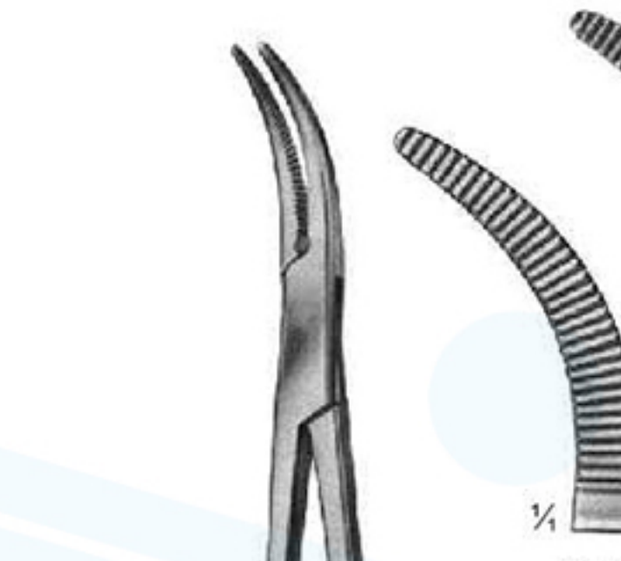


**06-210**
160 mm

**06-211**
200 mm

**06-212**
160 mm

**06-213**
200 mm

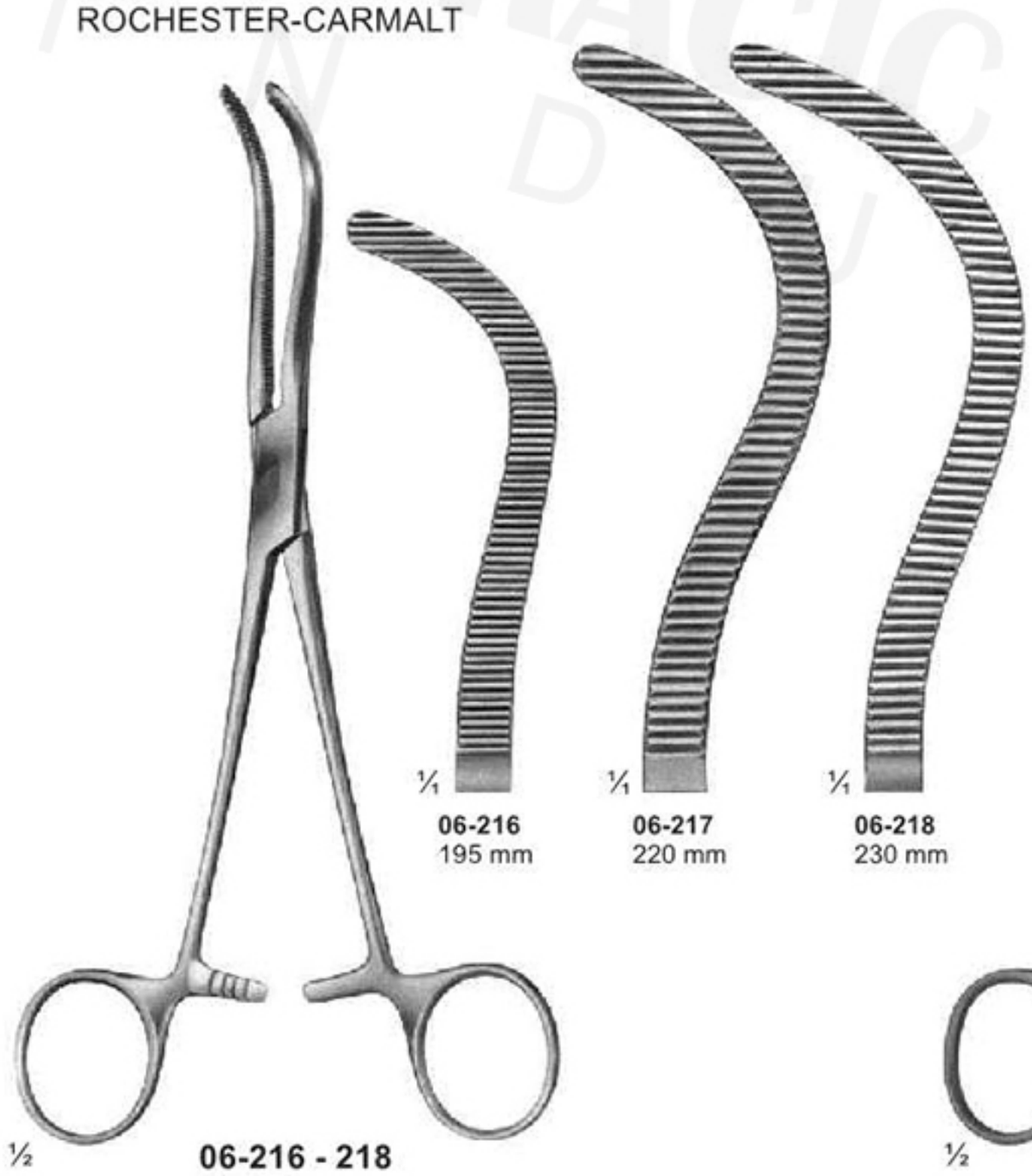


**06-214 - 215**
MOYNIHAN



**06-214**
230 mm

**06-215**
240 mm



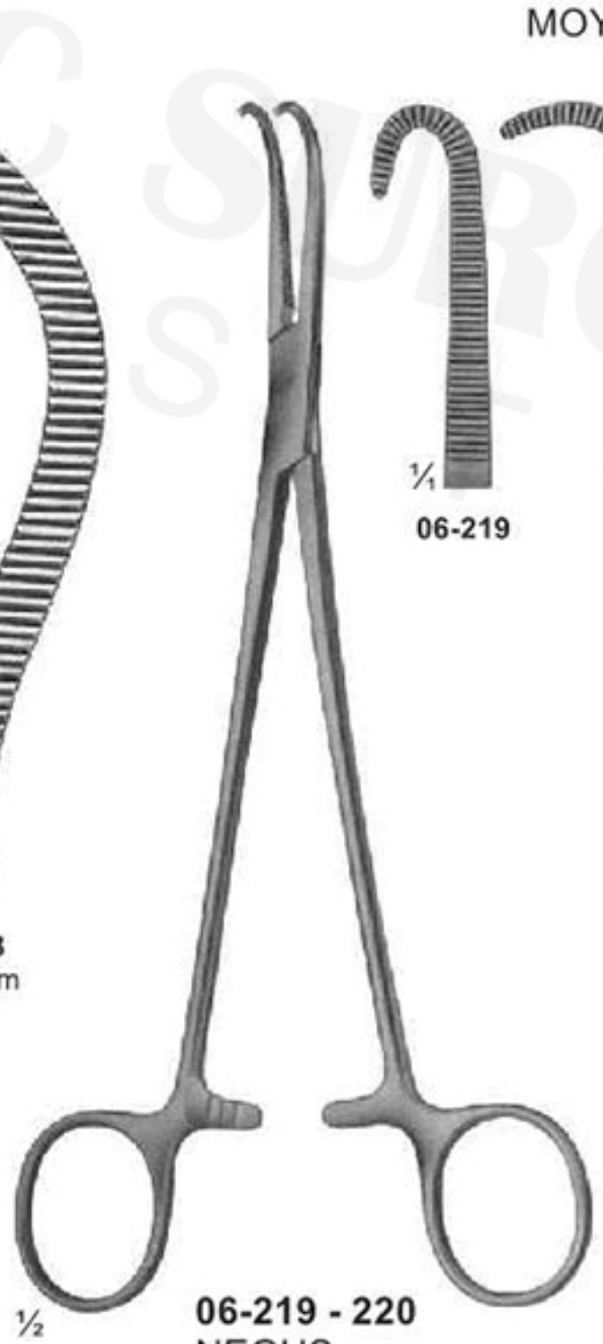
**06-216 - 218**
PEAN



**06-216**
195 mm

**06-217**
220 mm

**06-218**
230 mm



**06-219 - 220**
NEGUS
190 mm



**06-219**

**06-220**



**06-221**
MIKULICZ
185 mm

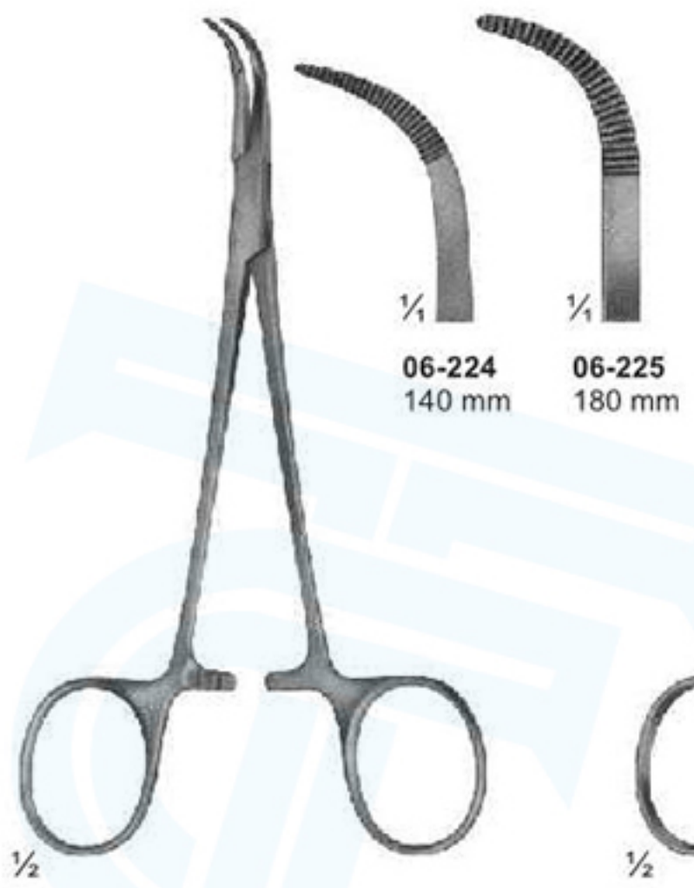
# Dissecting- and Ligature Forceps




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




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




**06-224**
140 mm

**06-225**
180 mm

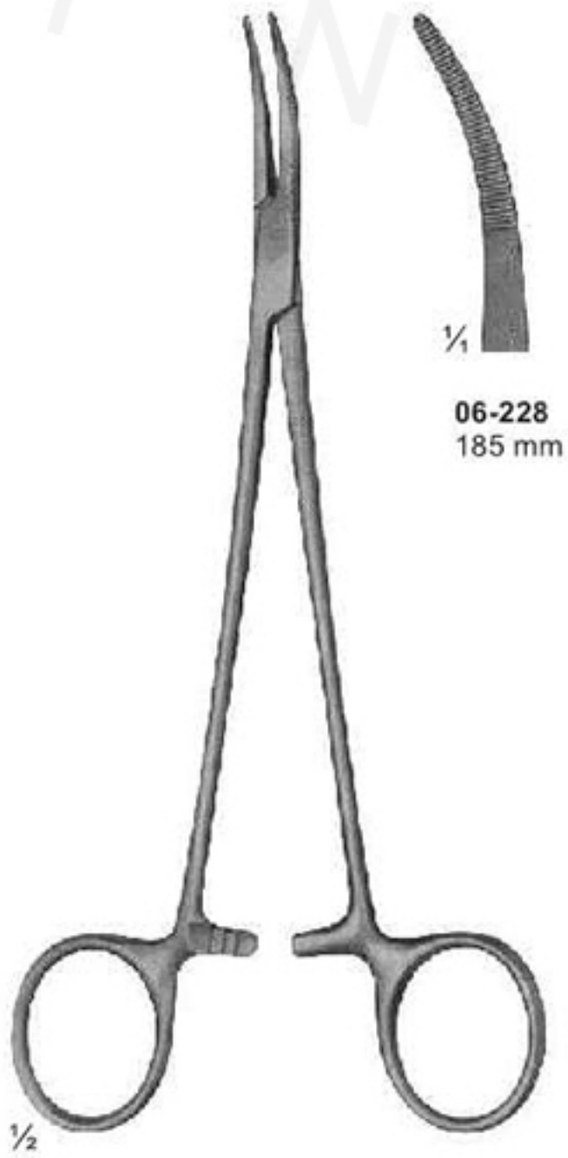
**06-224 - 225**
BABY-MIXTER




**06-226**
140 mm

**06-227**
180 mm

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




**06-228**
185 mm

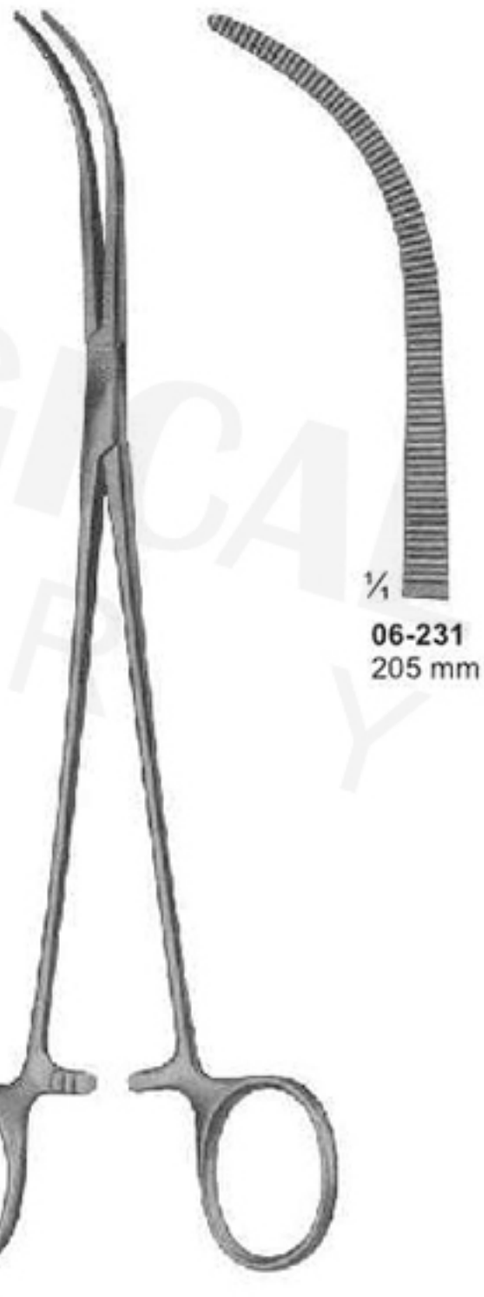
**06-228**
NISSEN




**06-229**

**06-230**

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

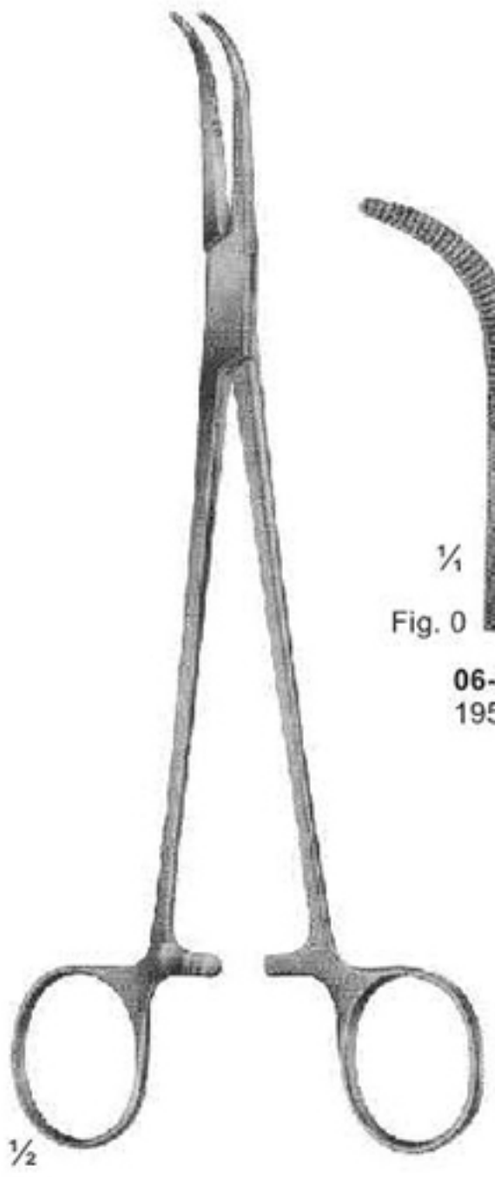



**06-231**
205 mm

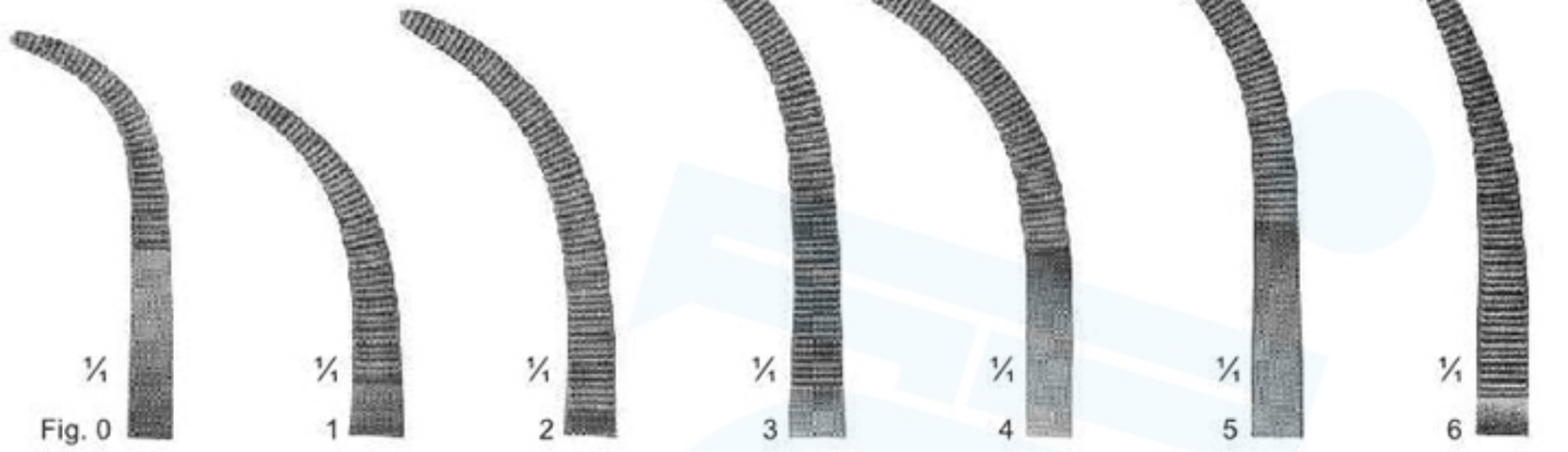
**06-231**
OVERHOLT-MIXTER

THORACIC SURGICAL INDUSTRY

# Dissecting- and Ligature Forceps



½




**06-232**
195 mm

**06-233**
210 mm

**06-234**
220 mm

**06-235**
225 mm

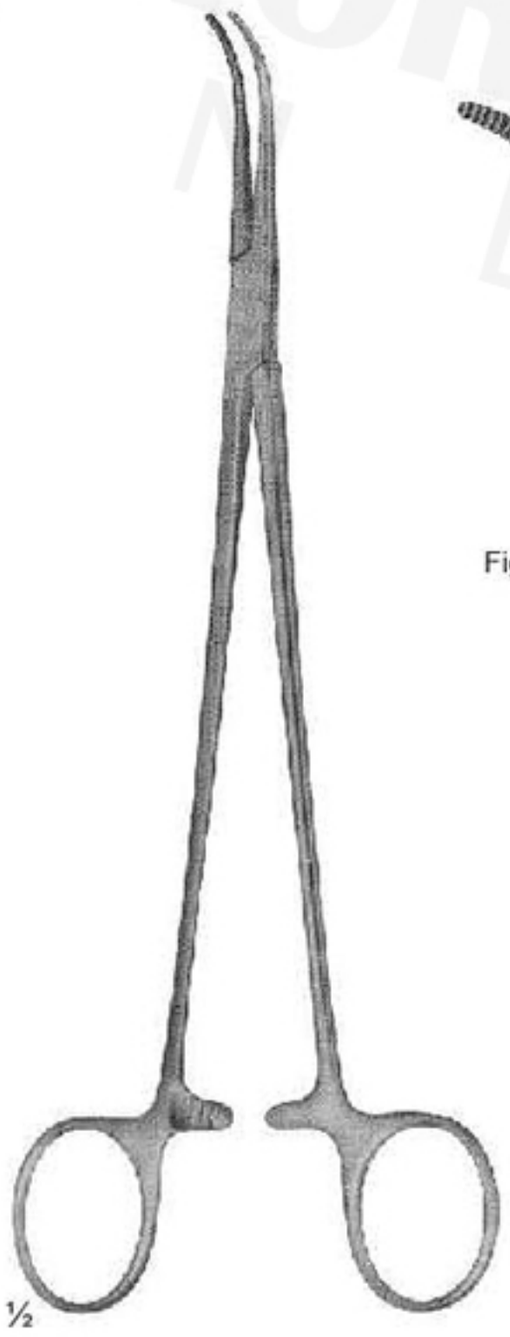
**06-236**
210 mm

**06-237**
230 mm

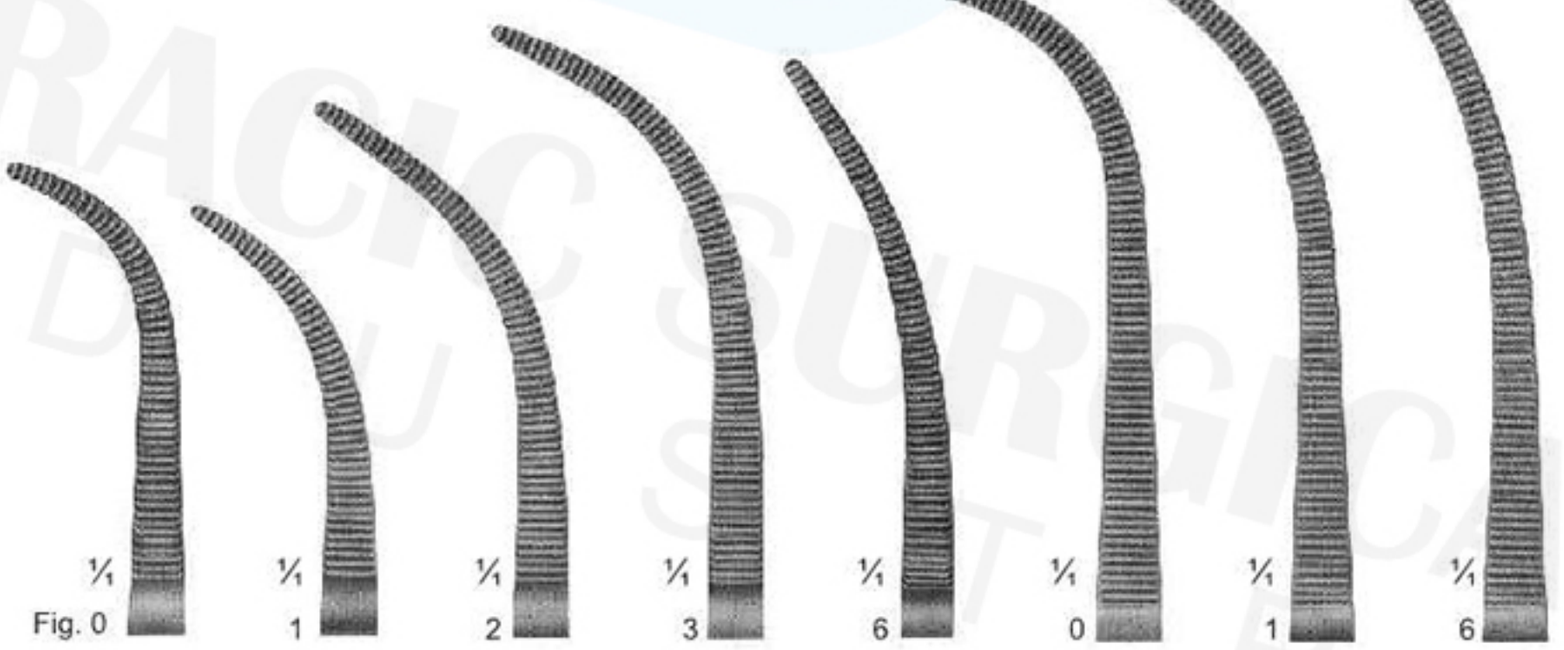
**06-238**
225 mm

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

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



½




**06-244**
215 mm

**06-245**
210 mm

**06-246**
220 mm

**06-247**
225 mm

**06-248**
225 mm

**06-249**
295 mm

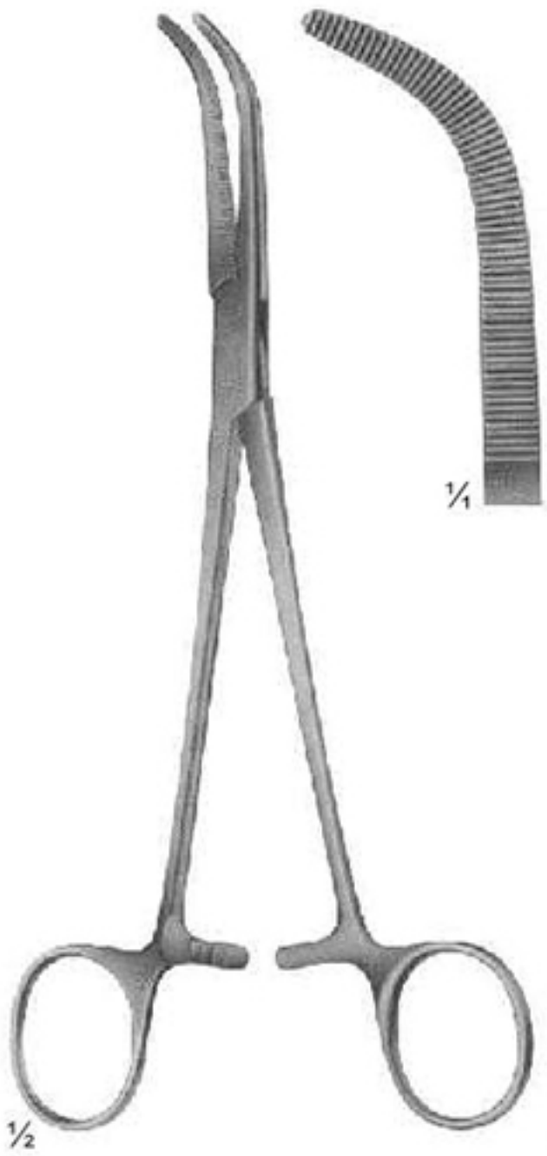
**06-250**
295 mm

**06-251**
300 mm

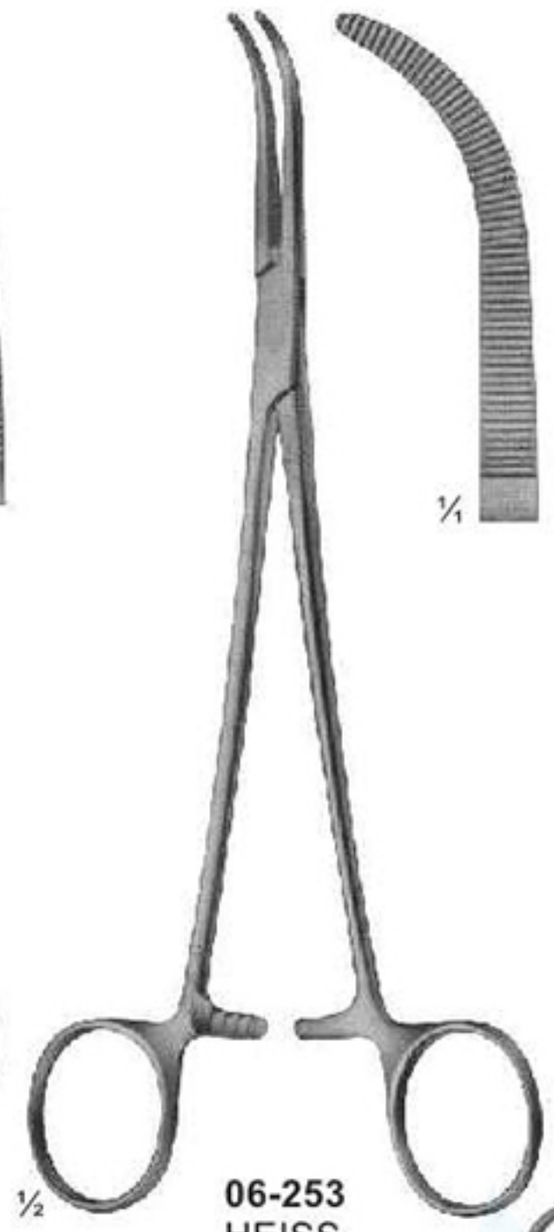
**06-244 - 251**
OVERHOLT
fine pattern

THORACIC SURGICAL INSTRUMENTS

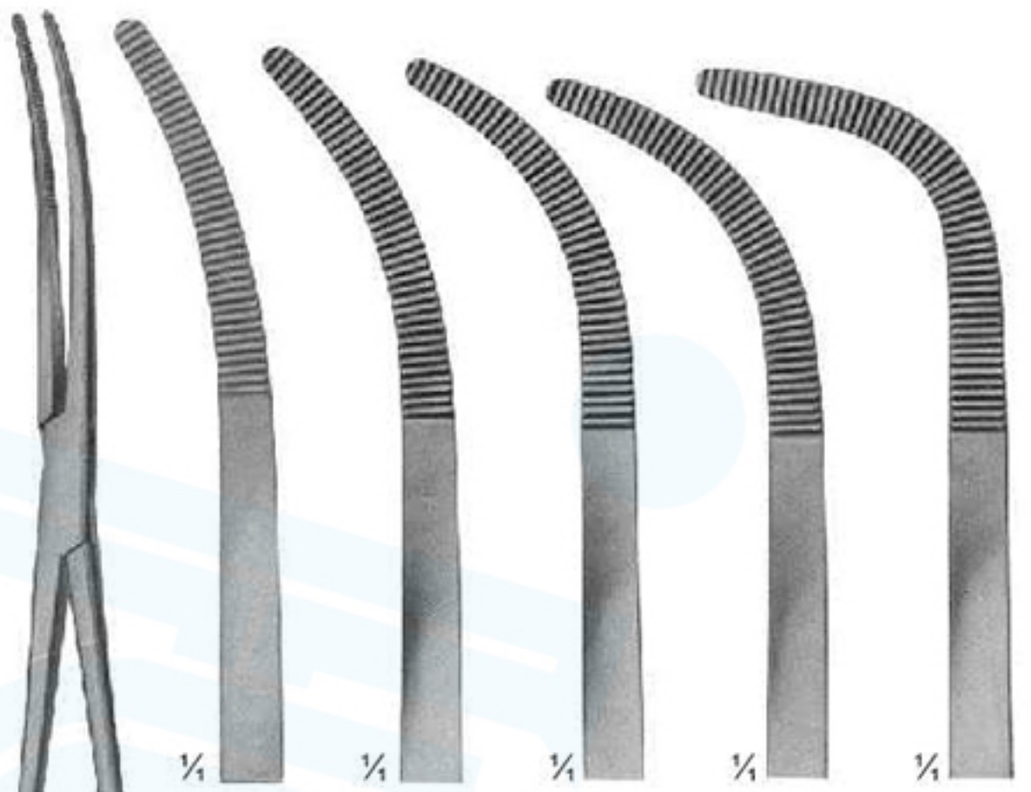
# Dissecting- and Ligature Forceps



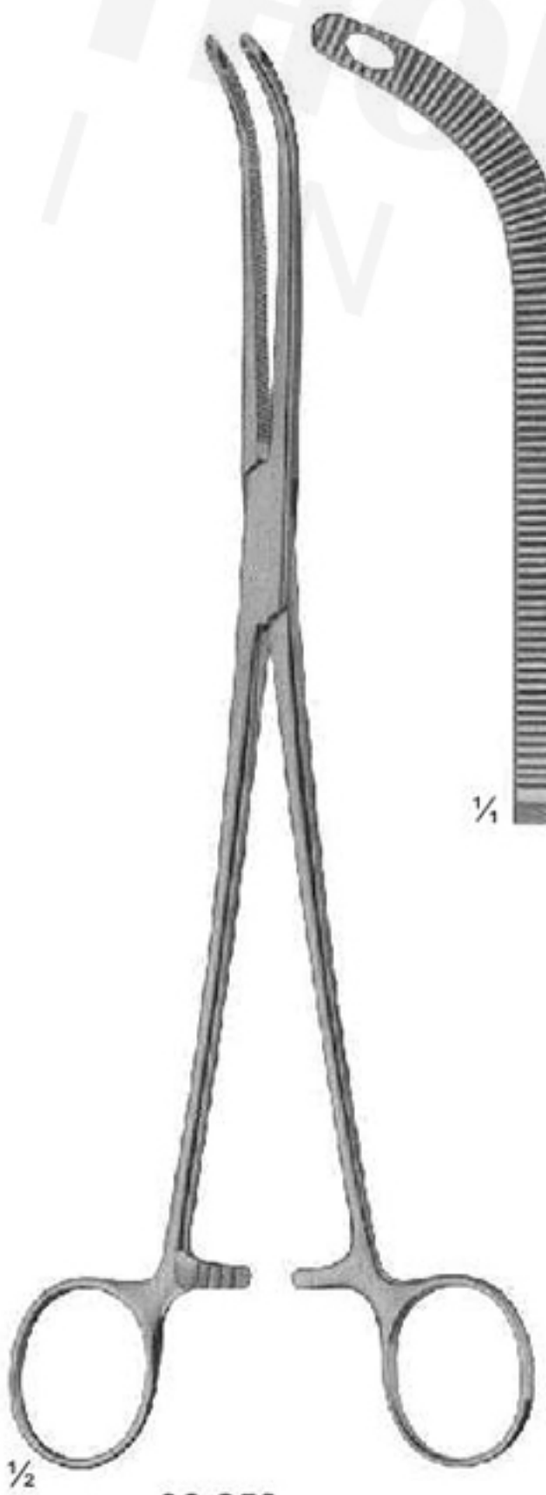
**06-252**
MIXTER-O'SHAUGNESSY
190 mm



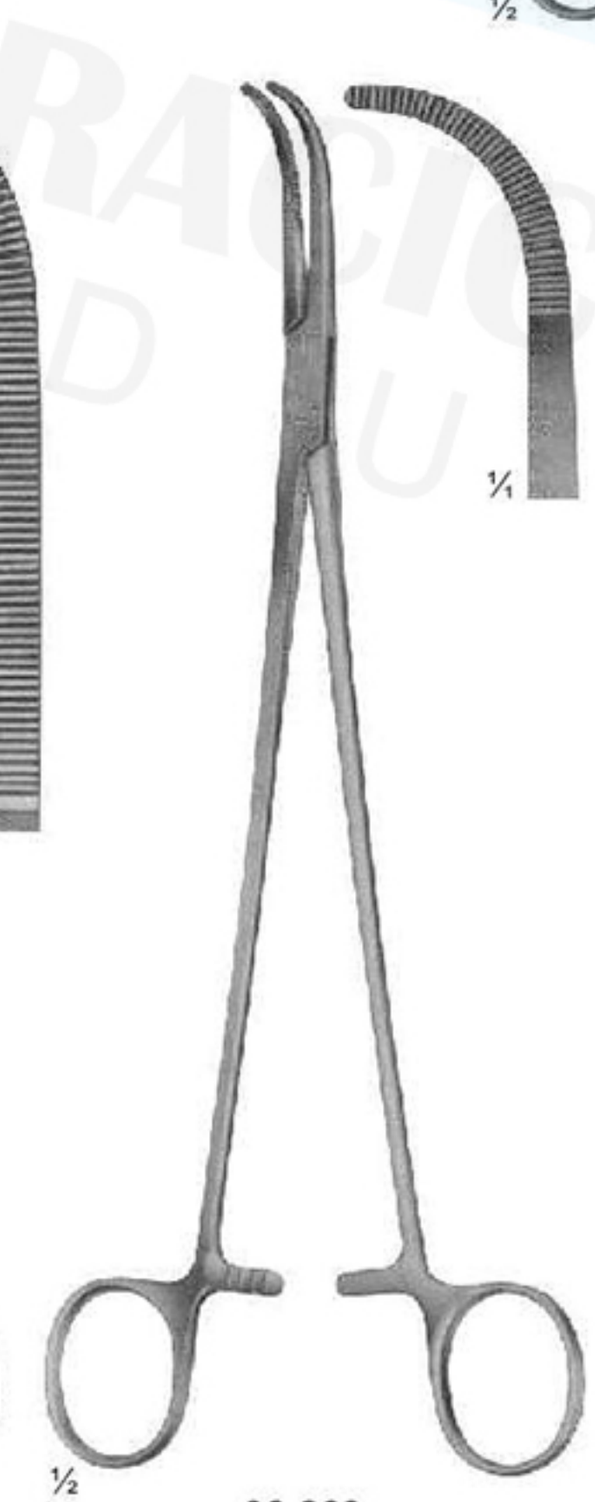
**06-253**
HEISS
195 mm



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



**06-259**
FINOCHIETTO
245 mm



**06-260**
MIXTER
230 mm



**06-261**
LAWRENCE
270 mm



**06-262**
300 mm

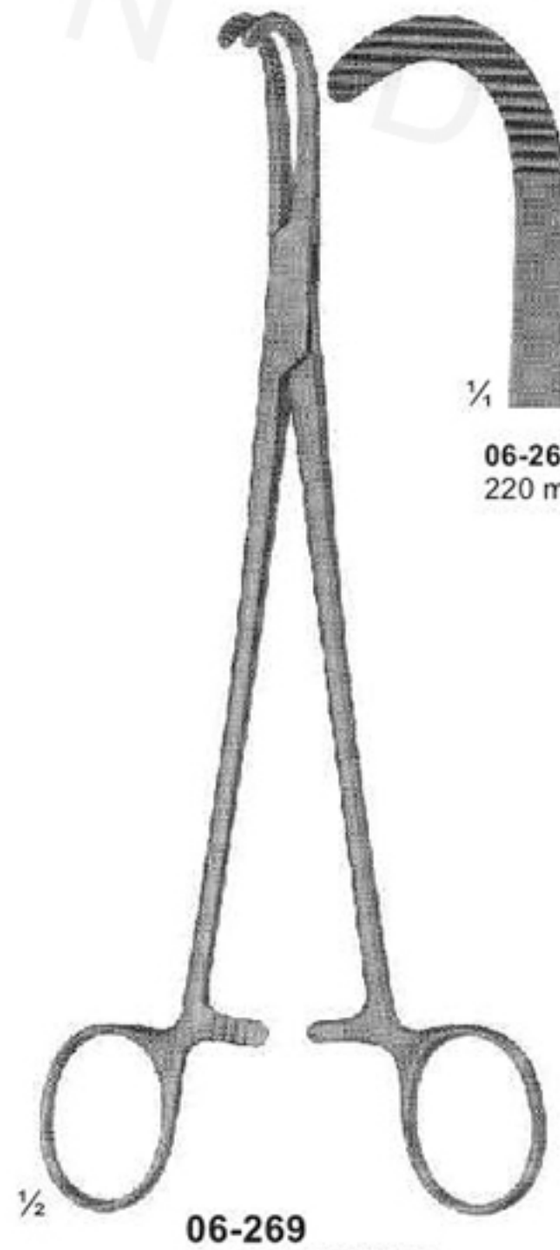
**06-263**
290 mm

**06-262 - 263**
ZENKER


1/1
06-264
180 mm
1/2
06-264
LOWER

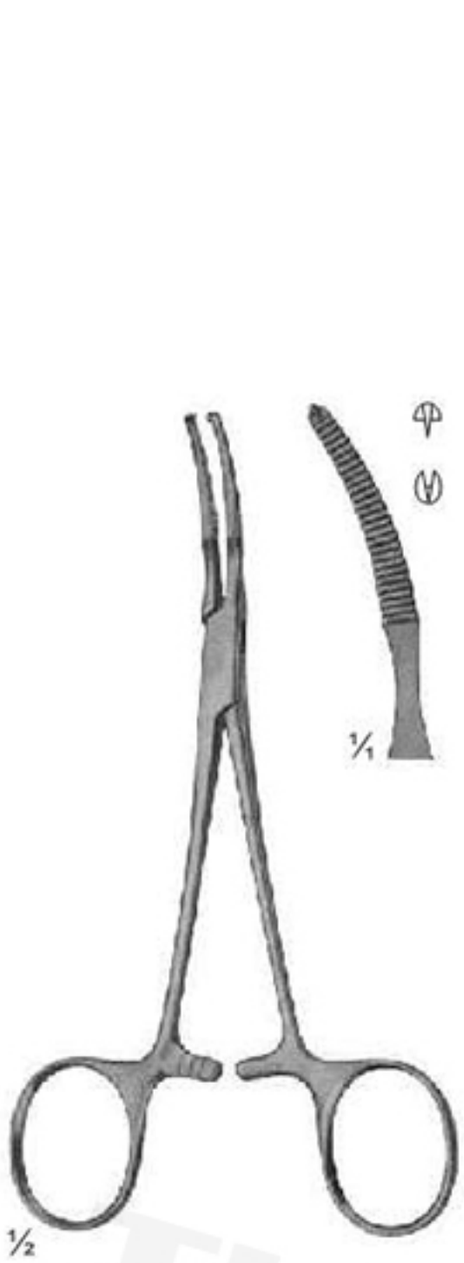

1/1
1/1
06-265
190 mm
06-266
220 mm
1/2
06-265 - 266
LAHEY (SWEET)


1/1
1/1
06-267
220 mm
06-268
250 mm
1/2
06-267 - 268
MIXTER

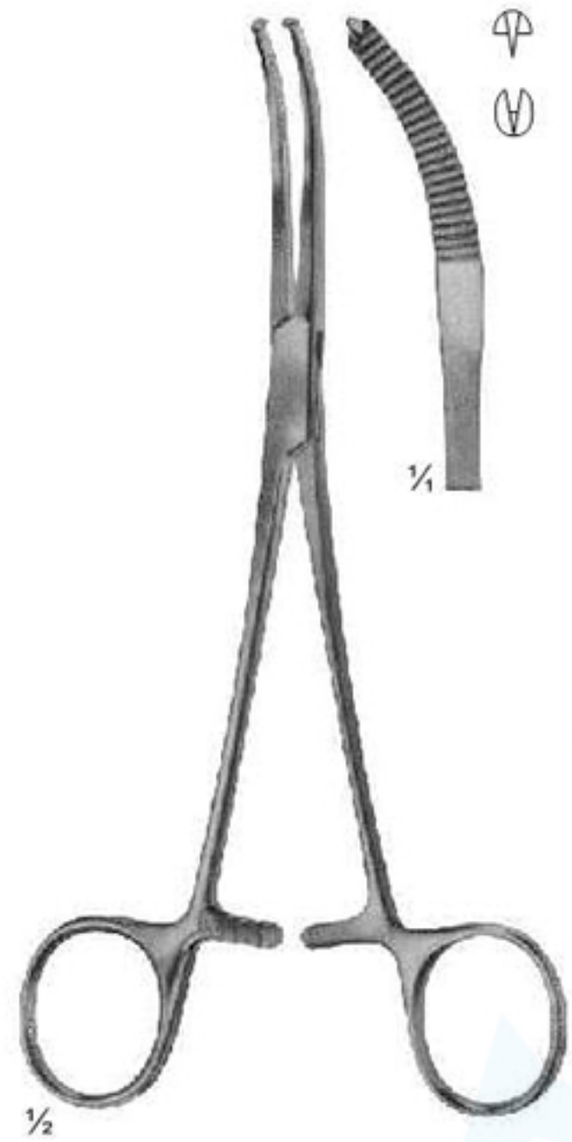

1/1
06-269
220 mm
1/2
06-269
DESJARDINS


1/1
1/1
06-270
220 mm
06-271
220 mm
1/2
06-270 - 271
GRAY

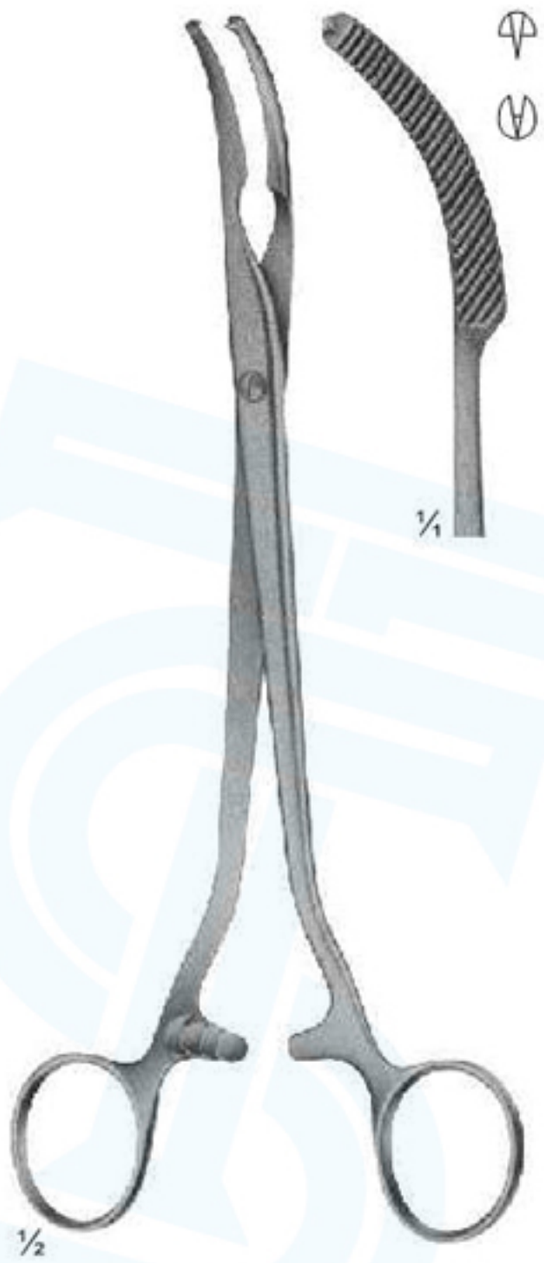
# Peritoneum Forceps



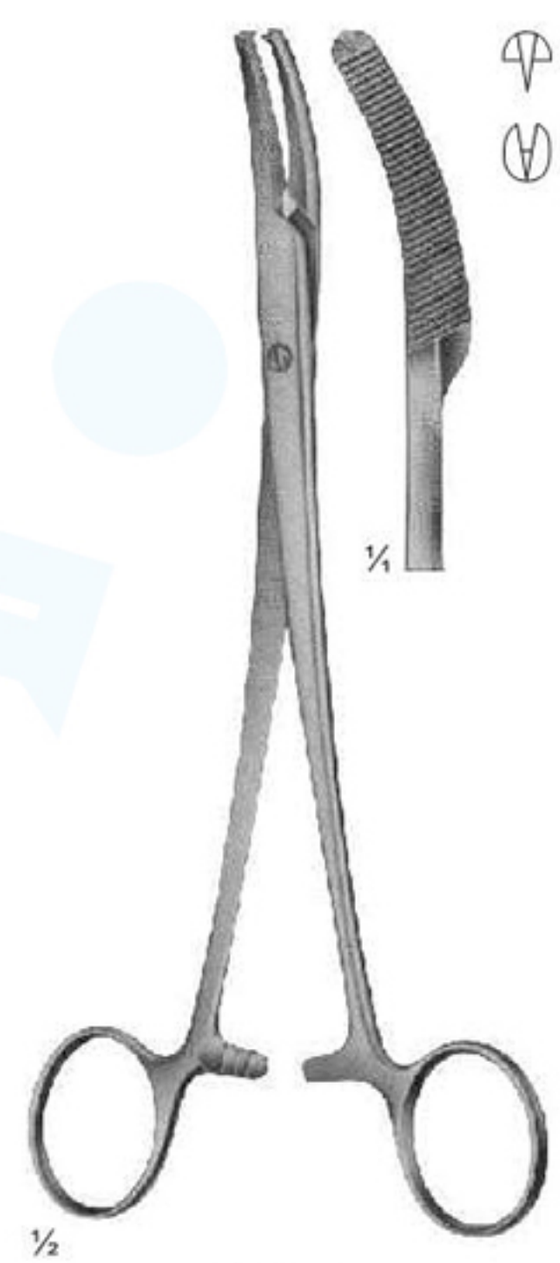
**06-272**
BABY-MIKULICZ
140 mm



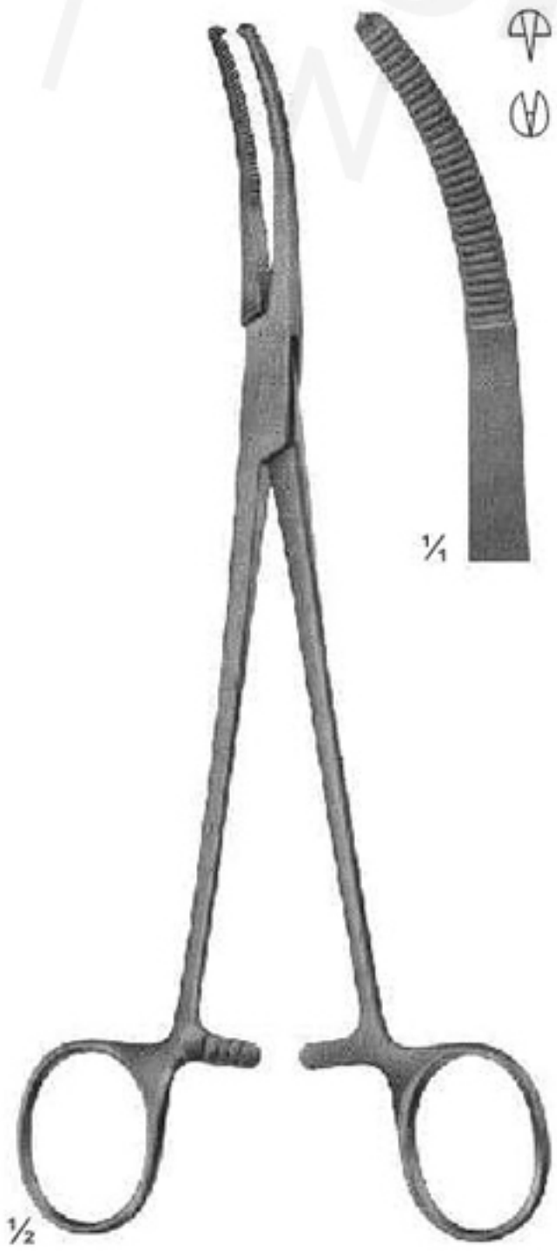
**06-273**
MIKULICZ
185 mm



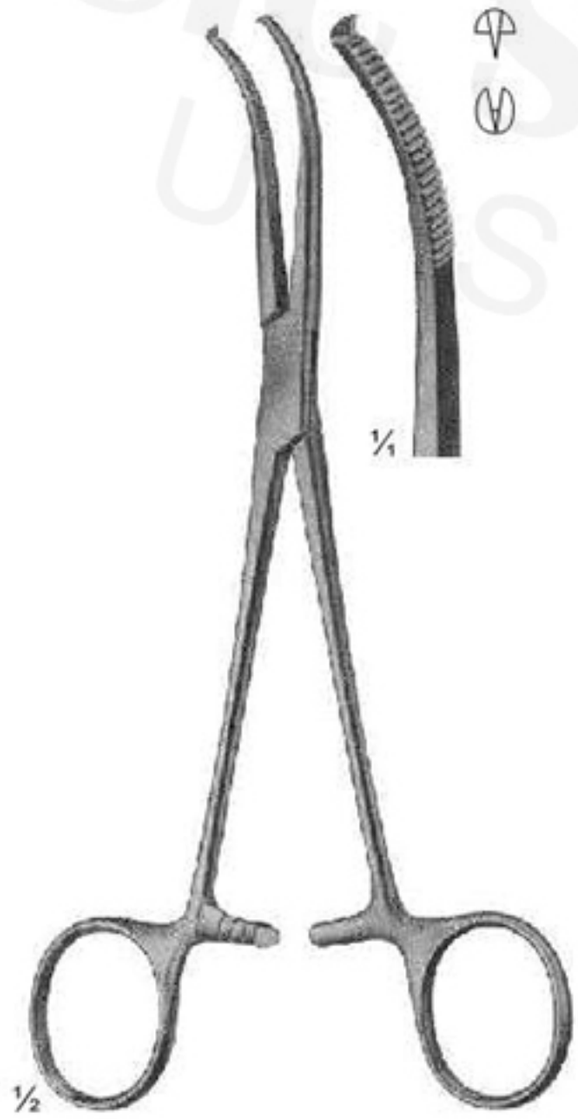
**06-274**
MIKULICZ
205 mm



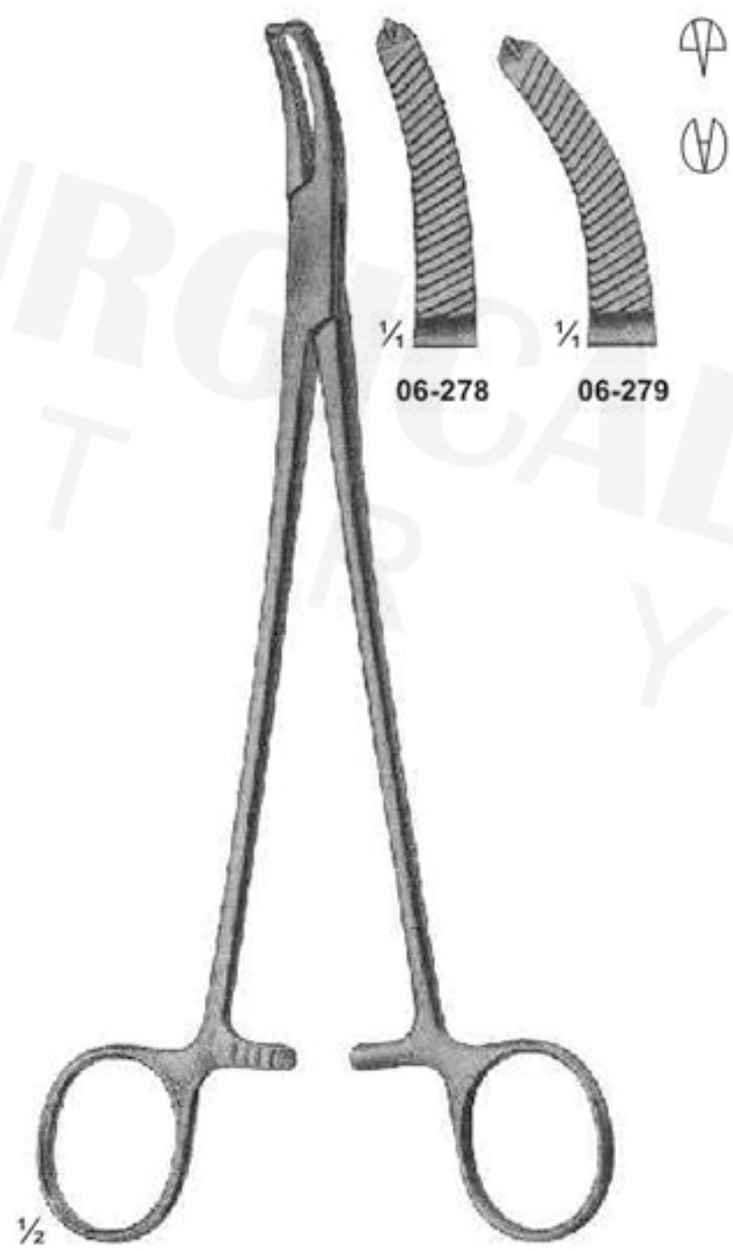
**06-275**
MIKULICZ
200 mm



**06-276**
MIKULICZ
205 mm

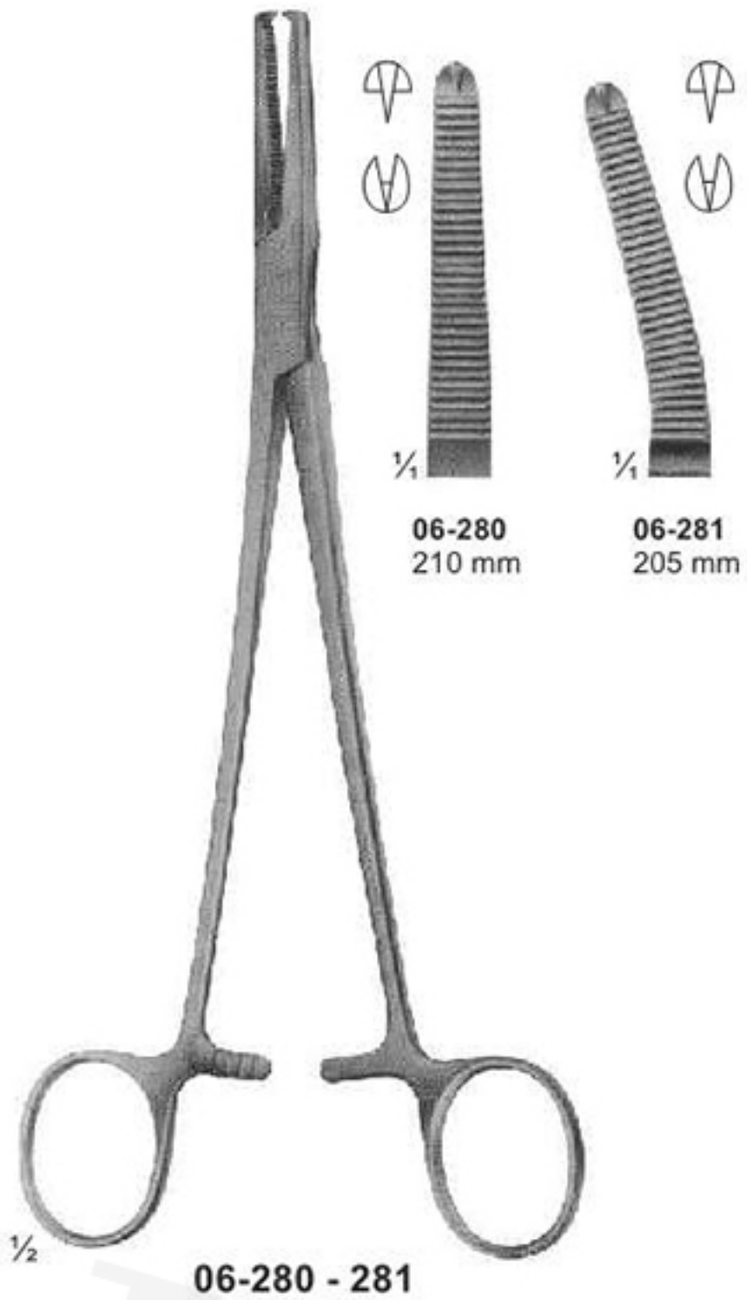


**06-277**
MIKULICZ
185 mm



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

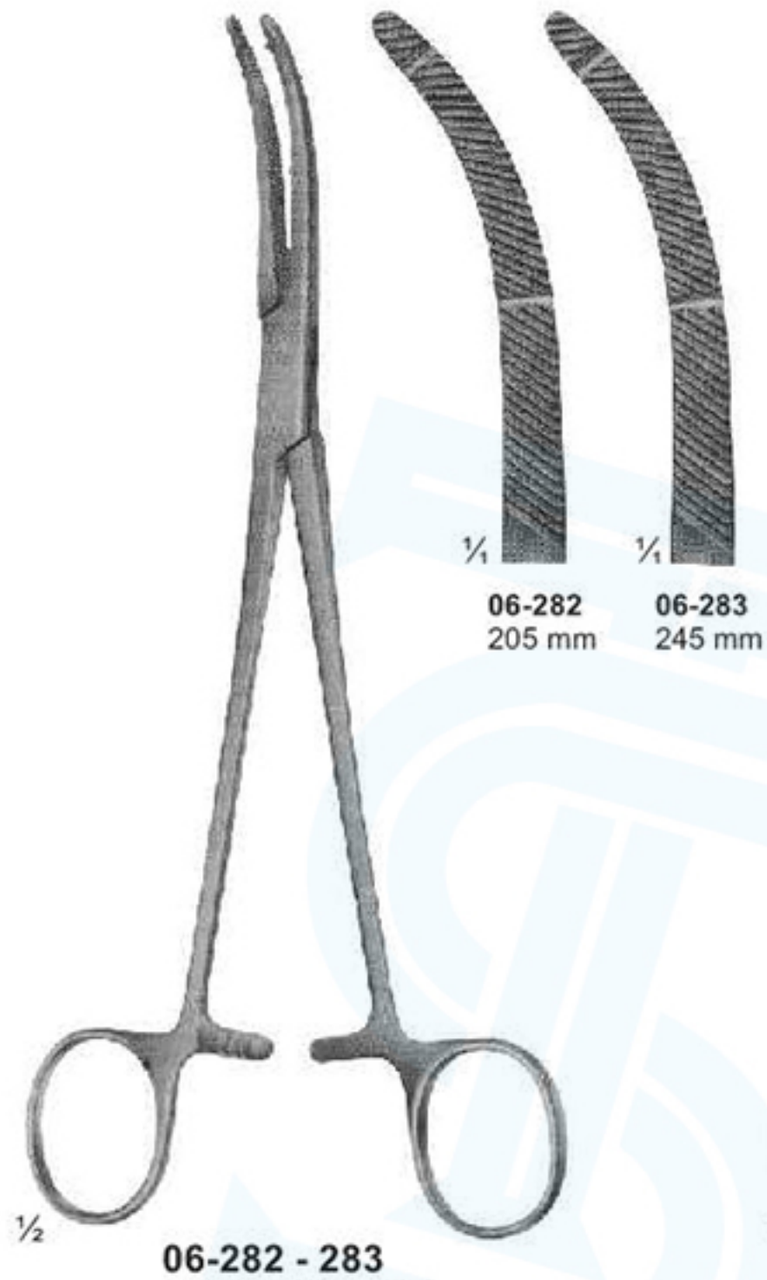
# Hysterectomy Forceps




**06-280**
210 mm

**06-281**
205 mm

**06-280 - 281**
PHANEUF




**06-282**
205 mm

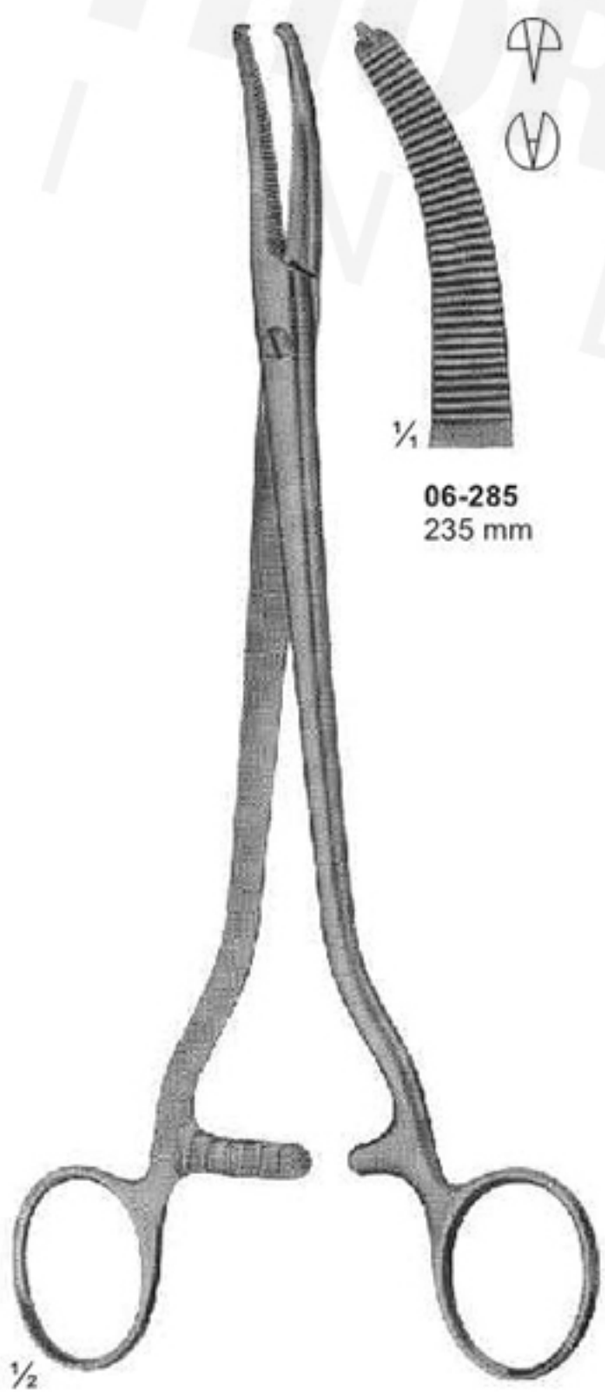
**06-283**
245 mm

**06-282 - 283**
HEANEY modif.



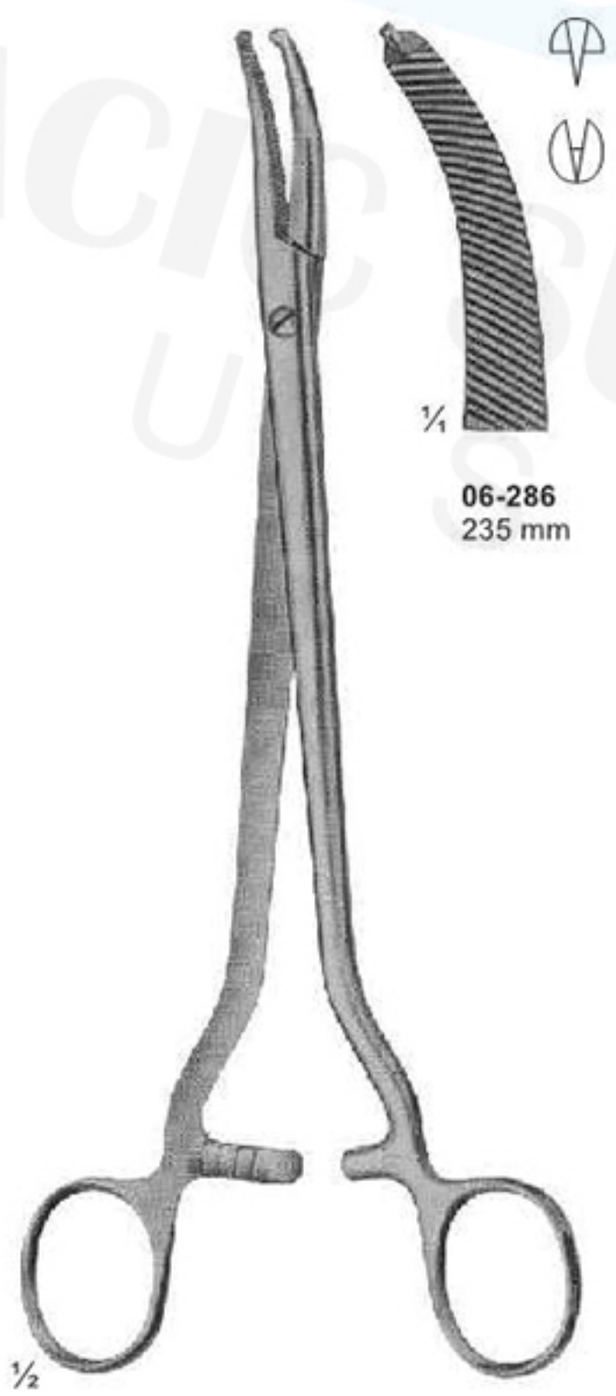

**06-284**
195 mm

**06-284**
HEANEY



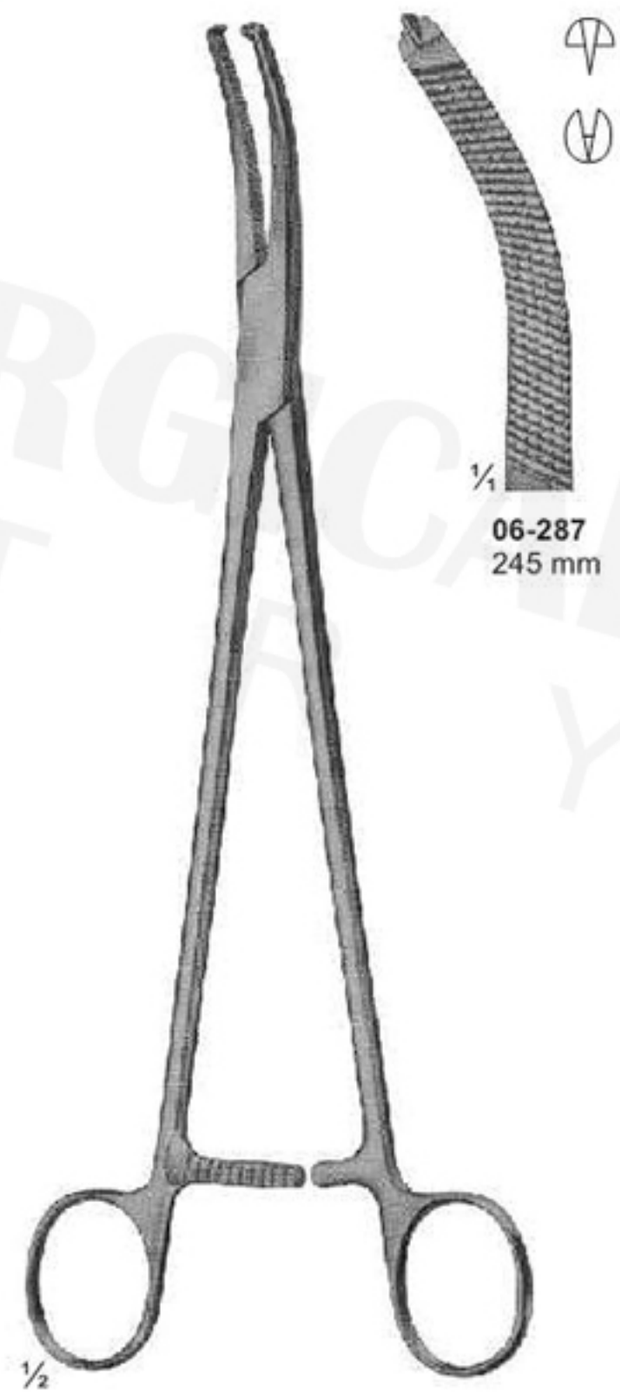

**06-285**
235 mm

**06-285**
WERTHEIM




**06-286**
235 mm

**06-286**
WERTHEIM




**06-287**
245 mm

**06-287**
WERTHEIM

# Hysterectomy Forceps and Vaginal Clamps




**06-288 - 291**
HEANEY



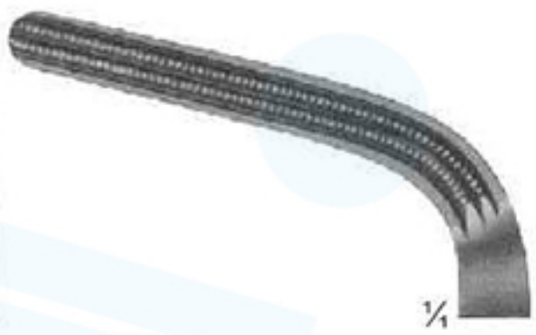

**06-288**
225 mm




**06-289**
220 mm




**06-290**
215 mm




**06-291**
205 mm




**06-292**
250 mm




**06-293**
245 mm




**06-294**
240 mm

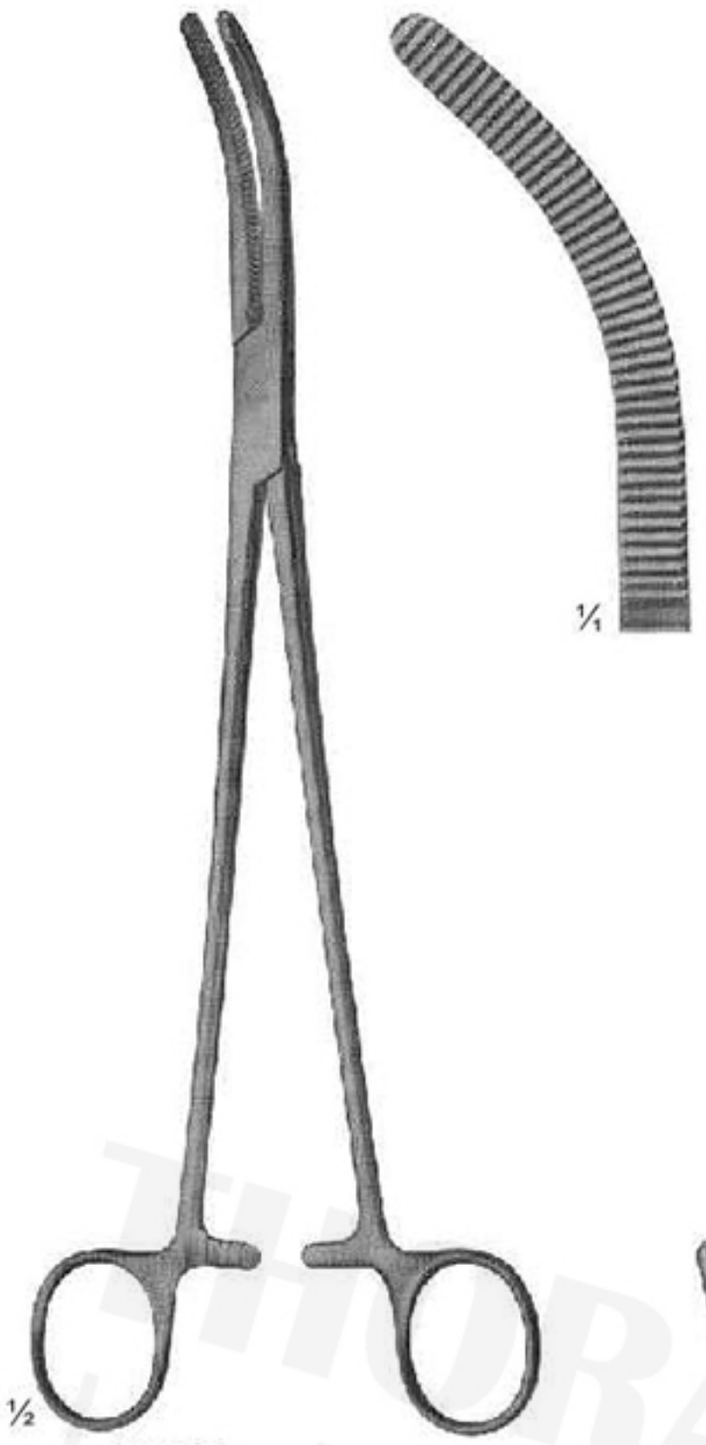



**06-295**
220 mm

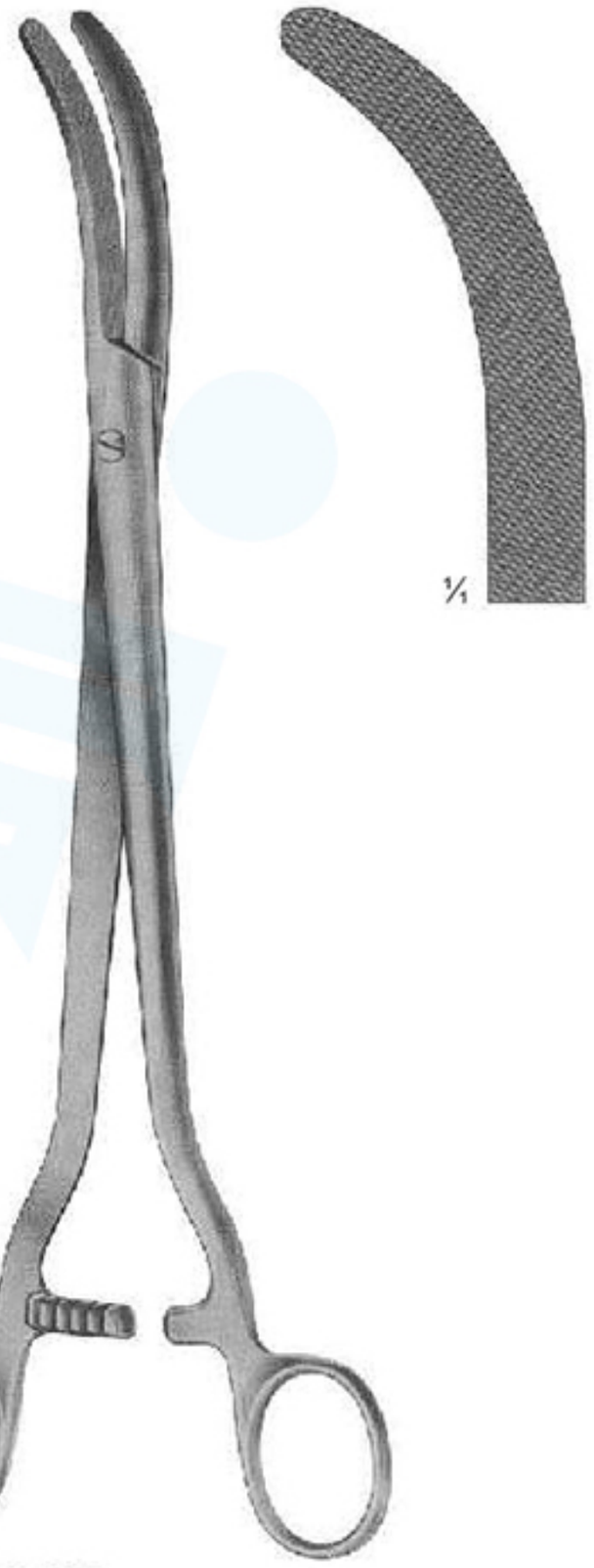



**06-292 - 295**
WERTHEIM
Parametrium clamps

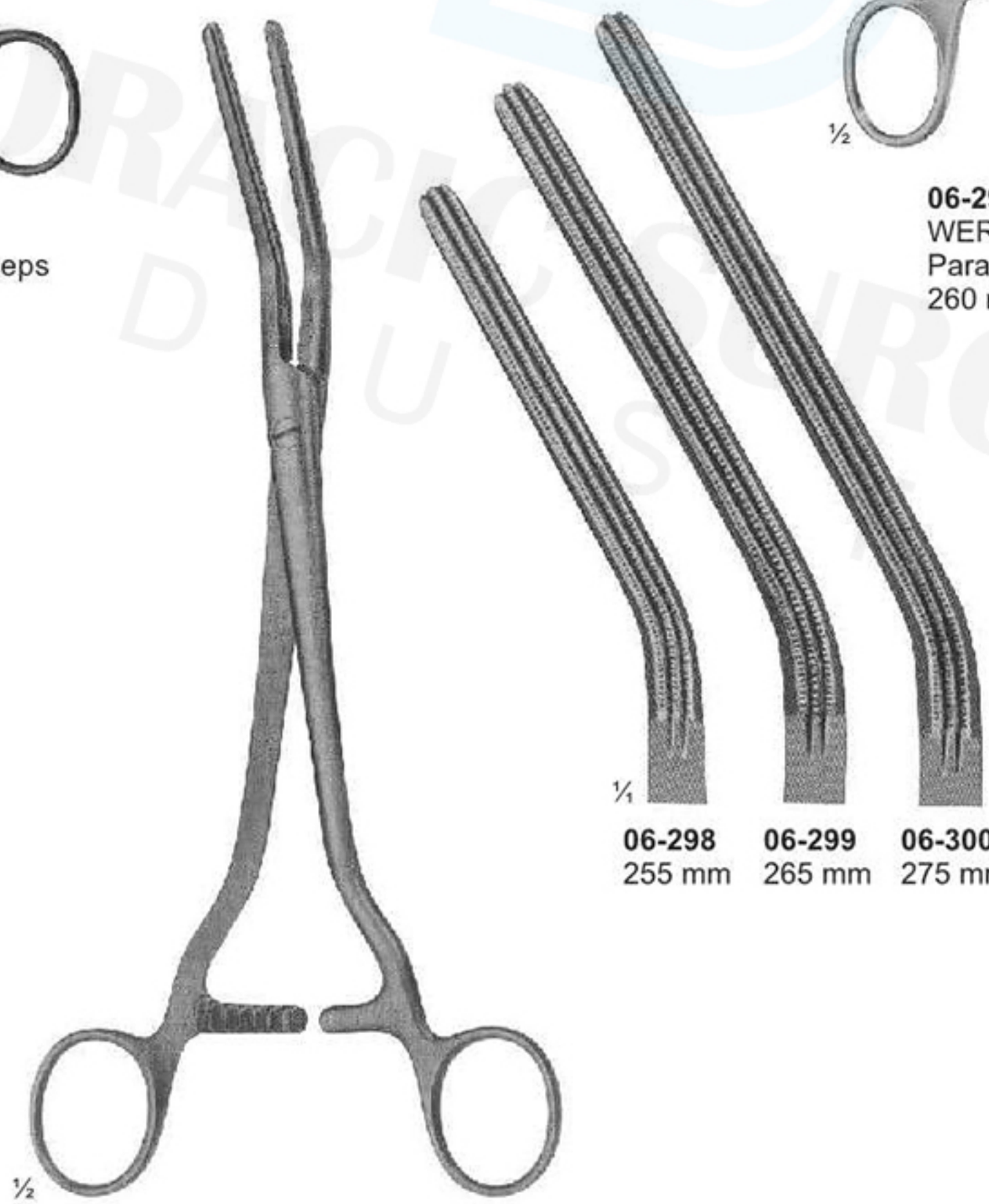
# Hysterectomy Forceps and Vaginal Clamps and Compression Forceps



**06-296**
WERTHEIM
Hysterectomy Forceps
255 mm



**06-297**
WERTHEIM
Parametrium Clamp
260 mm

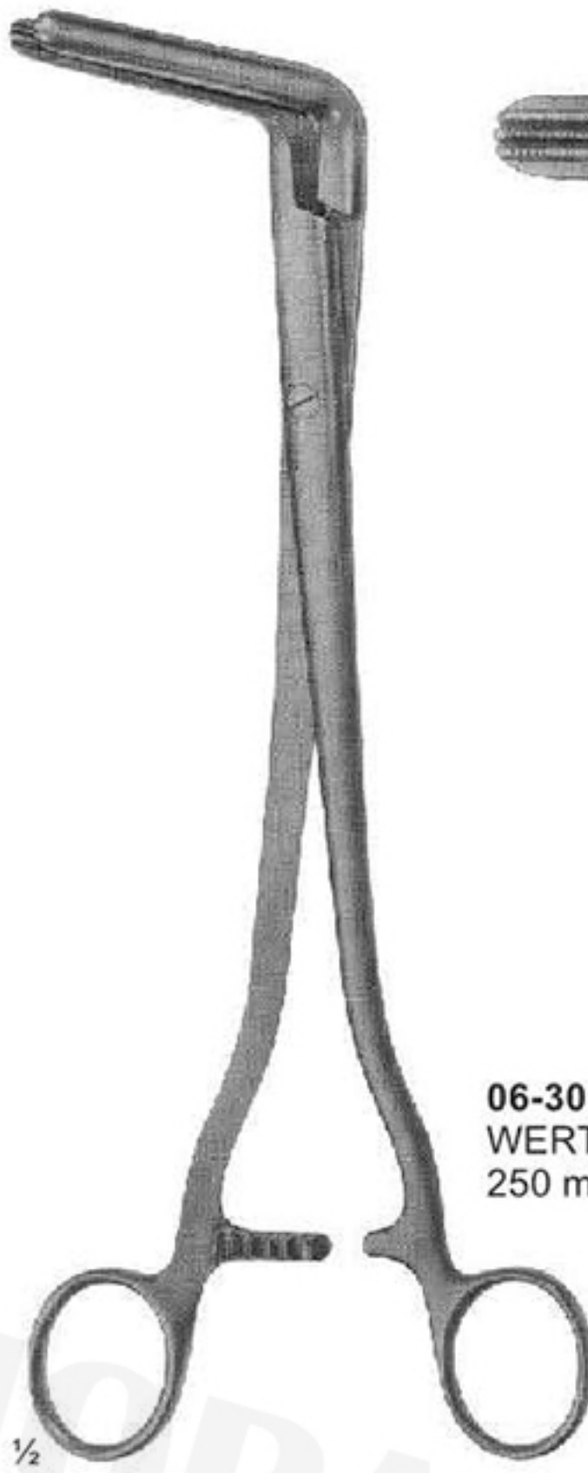


**06-298 - 300**
DICK

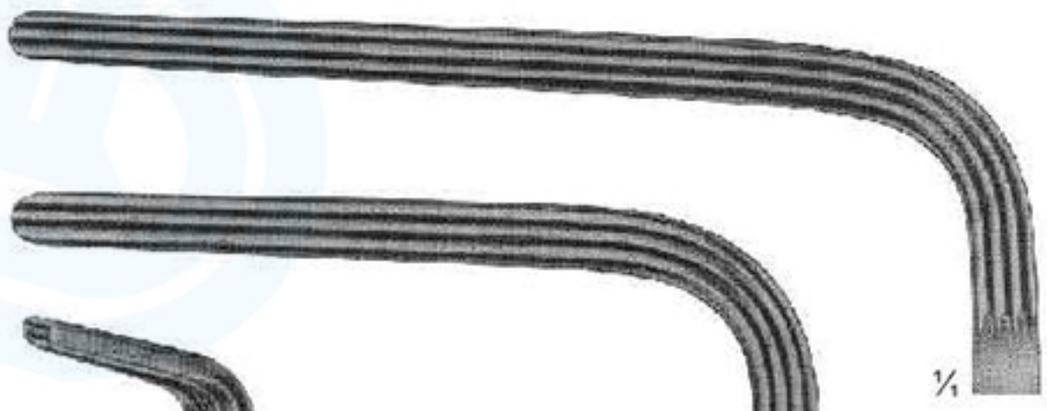


**06-298** 255 mm
**06-299** 265 mm
**06-300** 275 mm

# Hysterectomy Forceps and Vaginal Clamps and Compression Forceps



**06-301**
WERTHEIM
250 mm



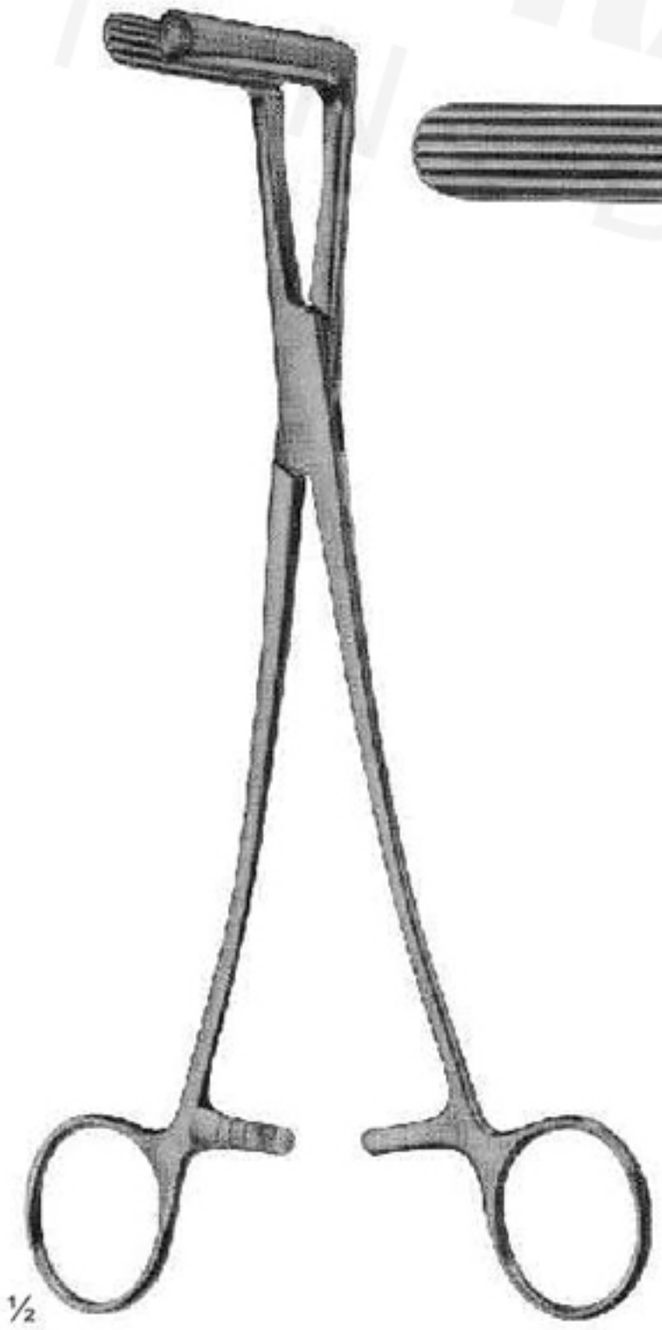
**06-304**
80 mm



**06-303**
60 mm



**06-303 - 304**
230 mm



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

# Needle Holders For Micro Surgery



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



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



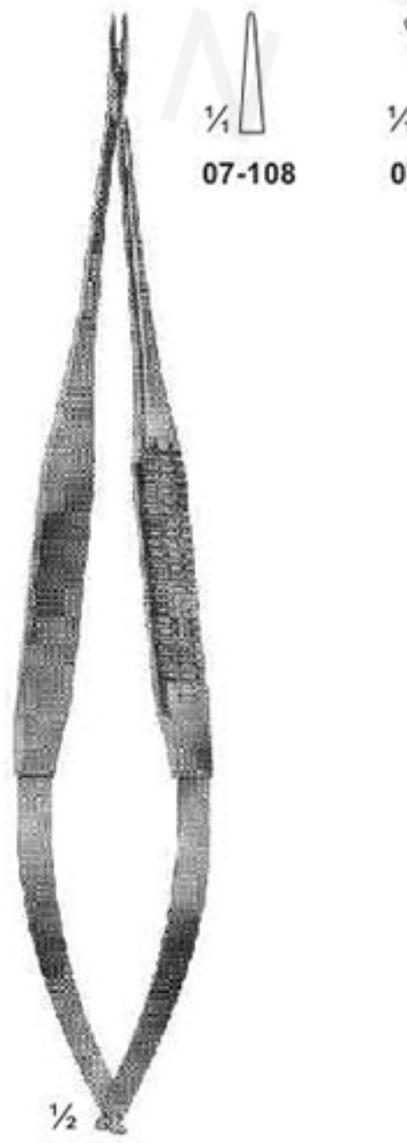
**07-103**
ARRUGA
With catch
135 mm




**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



1/1 07-115 115 mm
1/1 07-116 135 mm
1/2

**07-115 116**
BARRAQUER
Without catch
120 mm



1/1 07-117
1/1 07-118
1/2

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



1/1 07-119
1/1 07-120
1/2

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



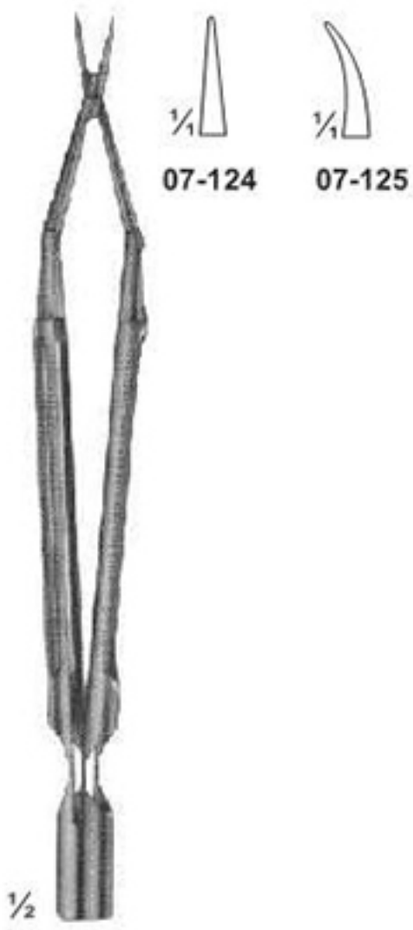
1/1 07-121
1/1 07-122
1/2

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



1/1
1/2

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



1/1 07-124
1/1 07-125
1/2

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



1/1 07-126
1/1 07-127
1/2

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



1/1 07-128
1/1 07-129
1/2

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



1/1
1/2

**07-130**
YASARGIL
245 mm

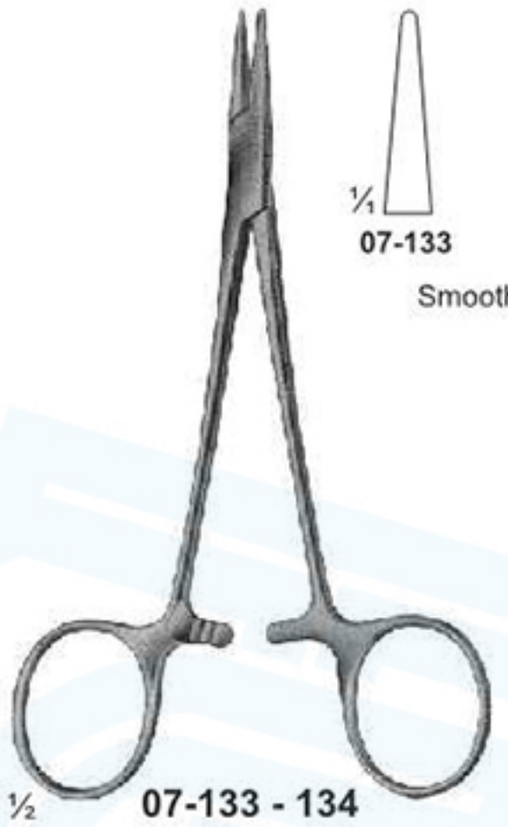
# Needle Holders




**07-131**
CONVERSE
125 mm




**07-132**
WEBSTER
125 mm




**07-133 - 134**
HALSEY
130 mm




**07-135**
DERF
130 mm




**07-136**
DOYEN
125 mm




**07-137**
BAUMGARTNER
145 mm




**07-138**
CRILE-WOOD
150 mm




**07-139**
CRILE-WOOD
160 mm




**07-140**
CRILE-MURRAY
150 mm

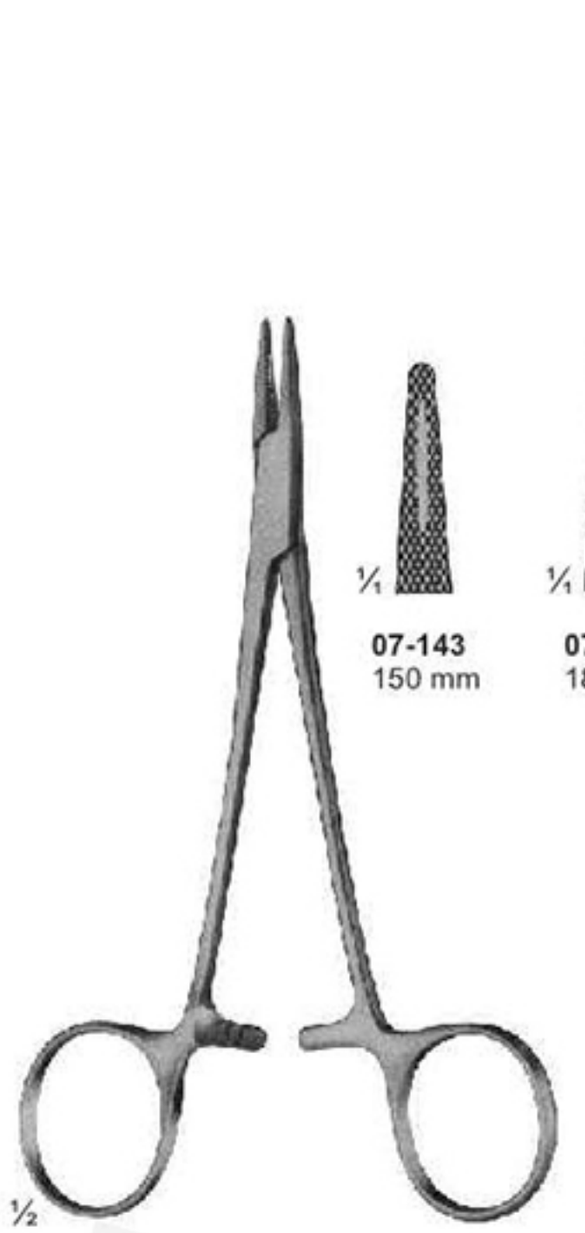



**07-141**
KILNER
135 mm




**07-142**
ADSON
175 mm

# Needle Holders

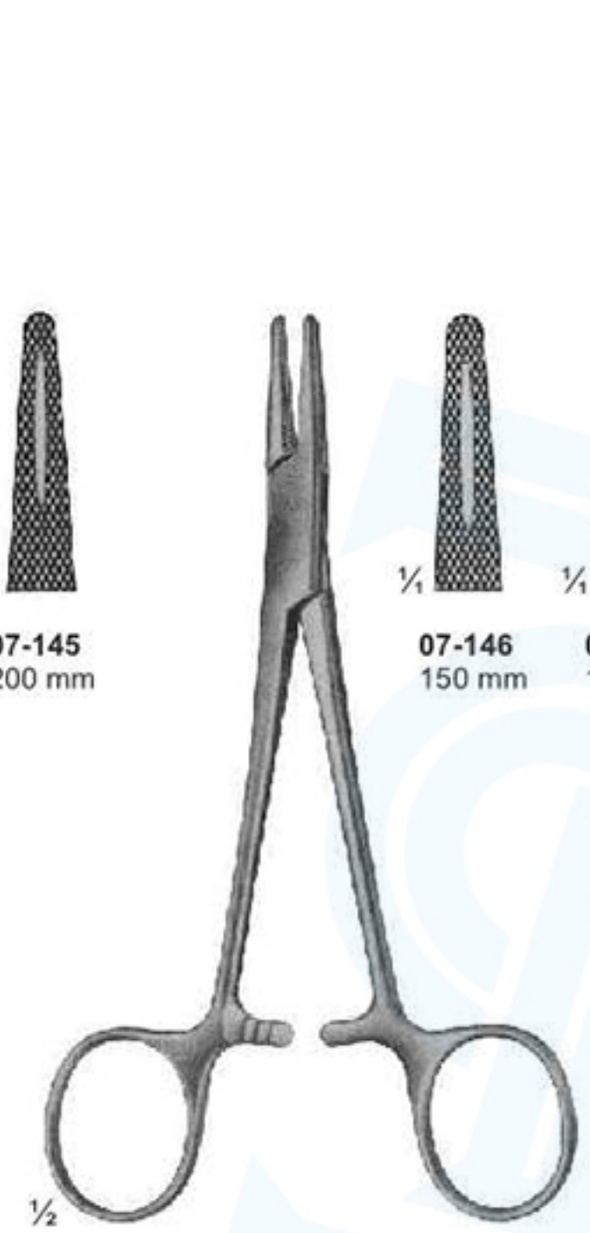



**07-143**
150 mm

**07-144**
180 mm

**07-145**
200 mm

**07-143 - 145**
MAYO-HEGAR
Medium fine patterns



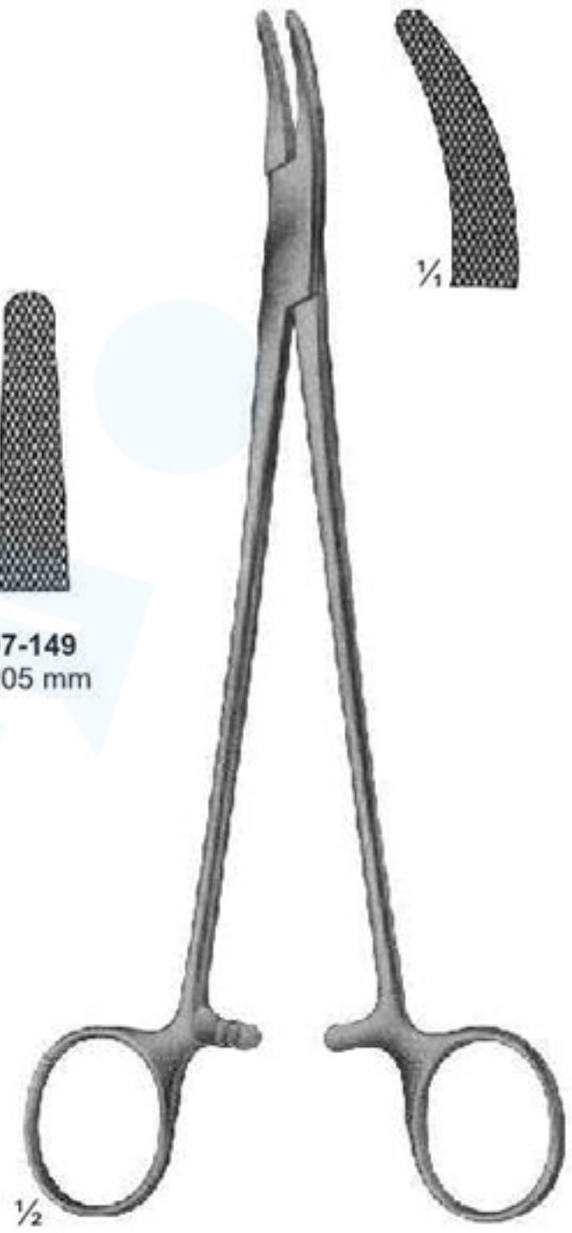

**07-146**
150 mm

**07-147**
175 mm

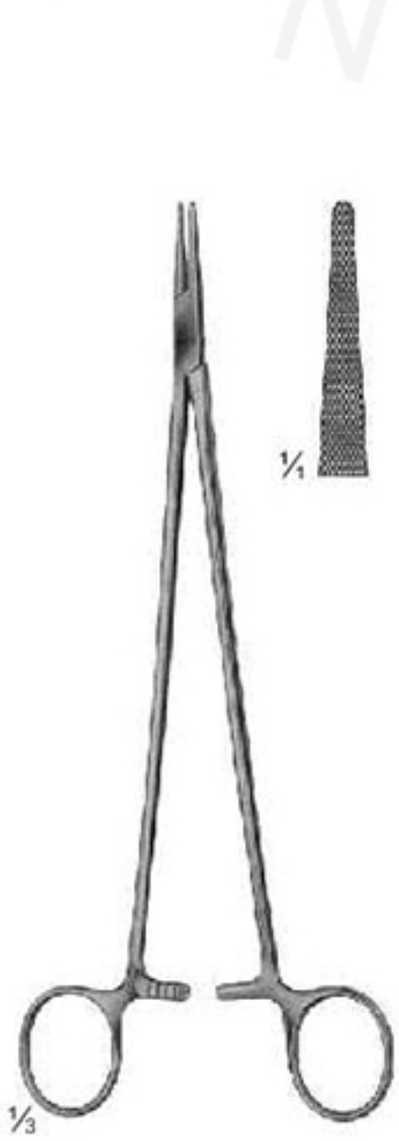
**07-148**
200 mm

**07-149**
205 mm

**07-146 - 149**
HEGAR
Heavy Patterns




**07-150**
HEANEY (HEGAR)
200 mm



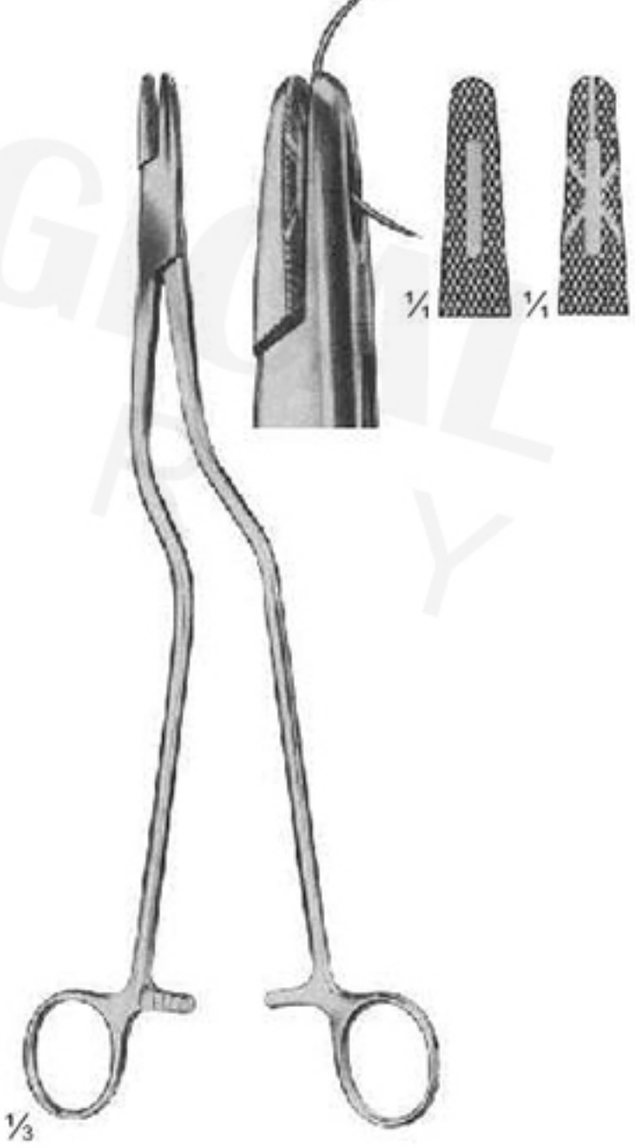

**07-151**
JAMESON
230 mm




**07-152**
WANGENSTEEN
275 mm



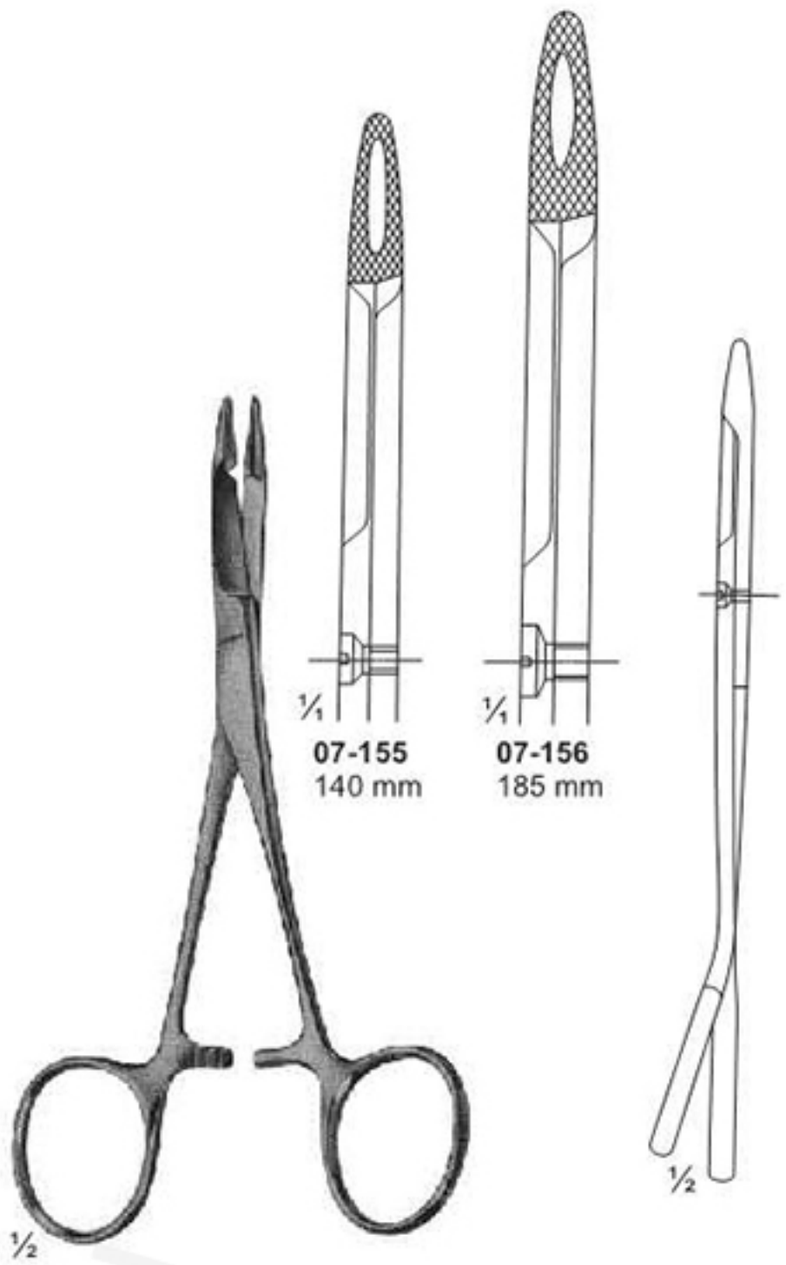

**07-153**
MASSON
265 mm




**07-154**
MASSON-LUETHY
255 mm

THORACIC SURGICAL INDUSTRY

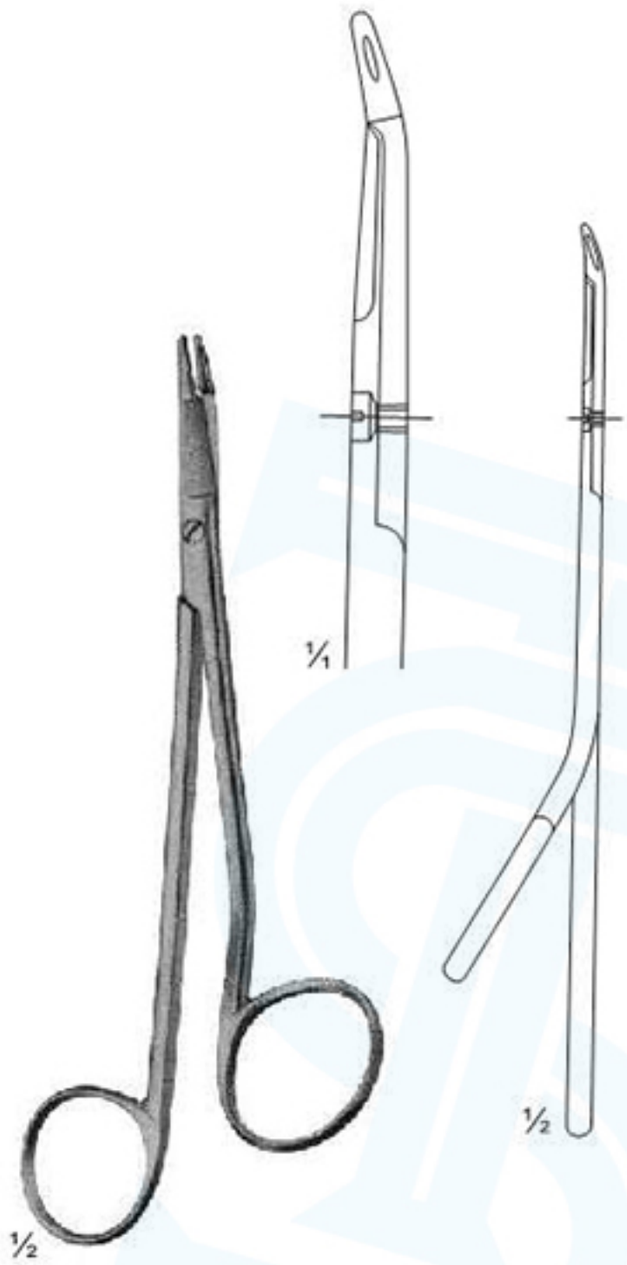
# Needle Holders



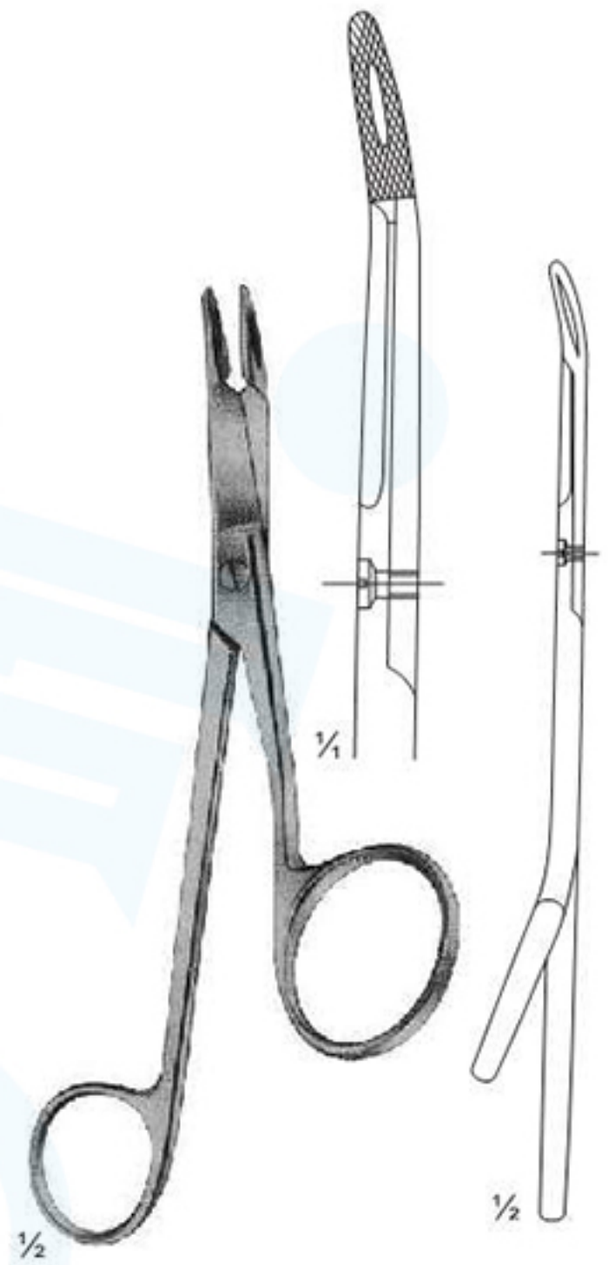

**07-155**
140 mm

**07-156**
185 mm

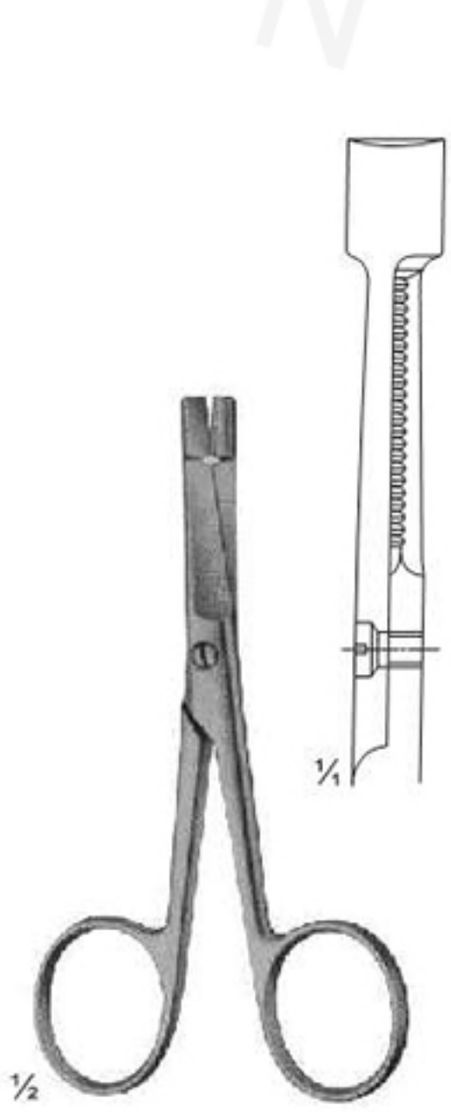
**07-155 - 156**
HEGAR-OLSEN
255 mm



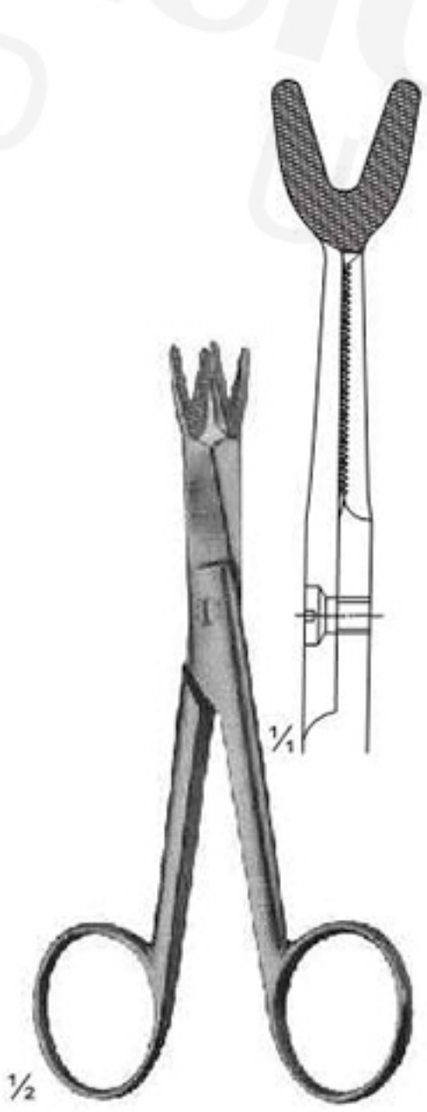

**07-157**
GILLIES
150 mm




**07-158**
GILLIES
160 mm




**07-159**
EISELSBERG
115 mm




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




**07-161**
CRILE
150 mm



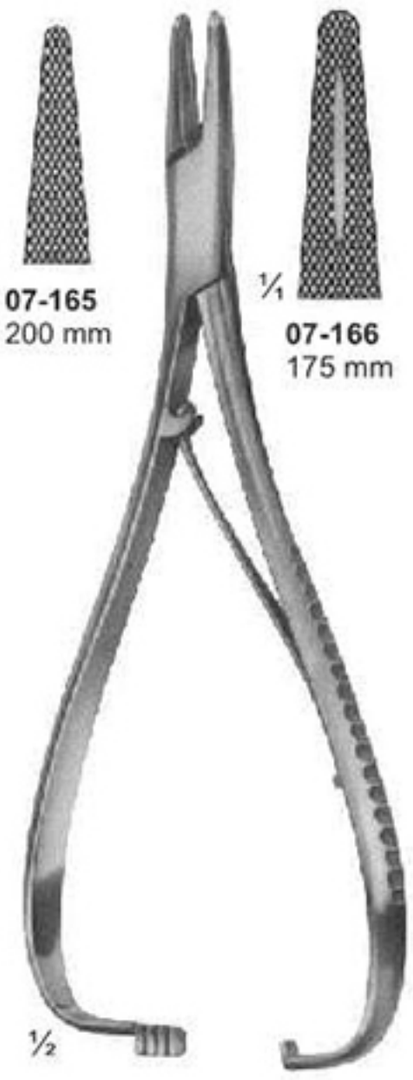

**07-162**
TONNIS
Elastic pattern for
dura-or intestinal suture
180 mm

THORACIC SURGICAL INDUSTRY

# Needle Holders



**07-163 - 165**
MATHIEU



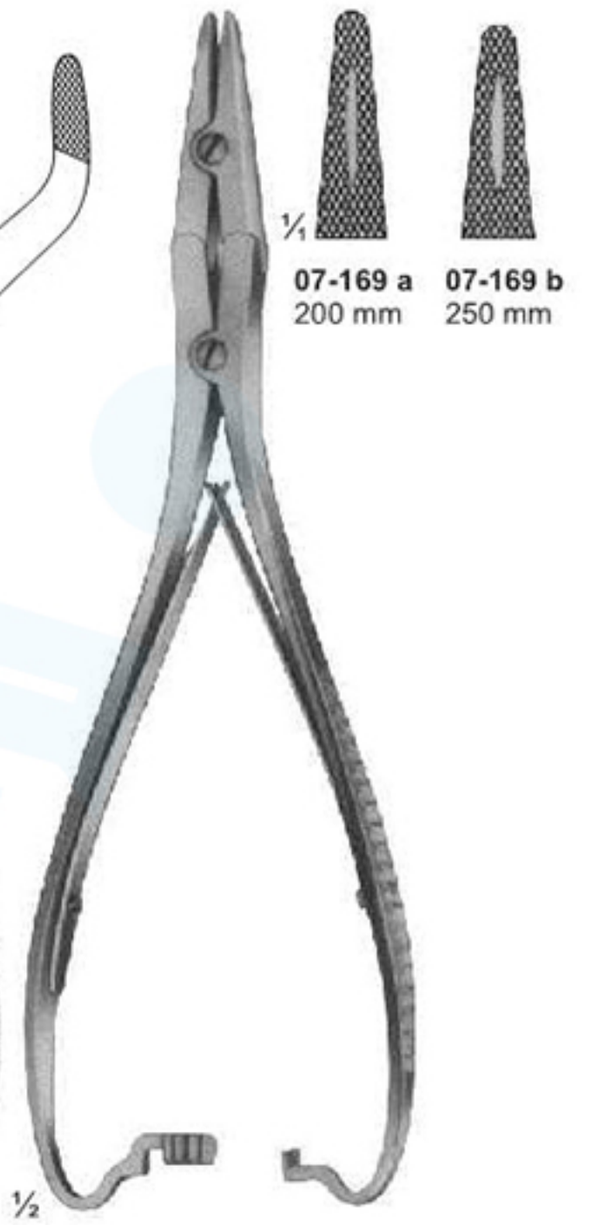
**07-166 - 167**
MATHIEU-STILLE
Very heavy models



**07-168**
BOYNTON
125 mm



**07-169**
EISELSBERG-MATHIEU
For palate suture
195 mm



**07-169 a - 169 b**



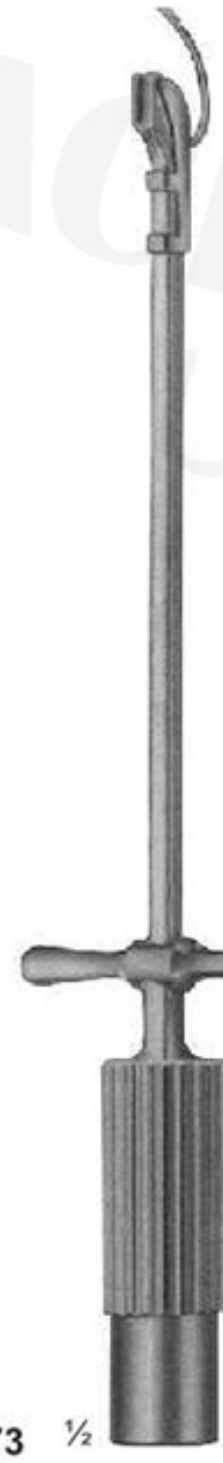
**07-170**



**07-171**



**07-172**



**07-173** ½
YOUNG-HRYNTSCHAK
With 1 needle
240 mm



**07-174** ½
YOUNG-MILLIN
With 1 needle
200 mm

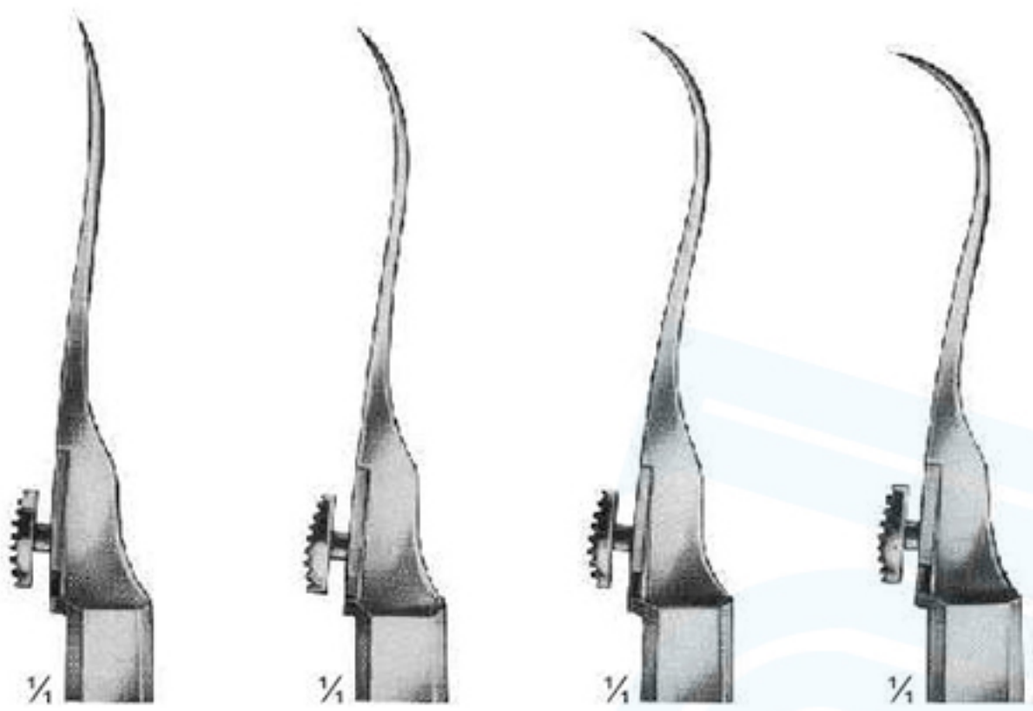


**07-175**
MILLIN
Ligature holding forceps
245 mm

# Suture Instruments - Reverdin Needles




**07-176 - 179**
REVERDIN
140 mm







**07-180 - 183**
REVERDIN
195 mm

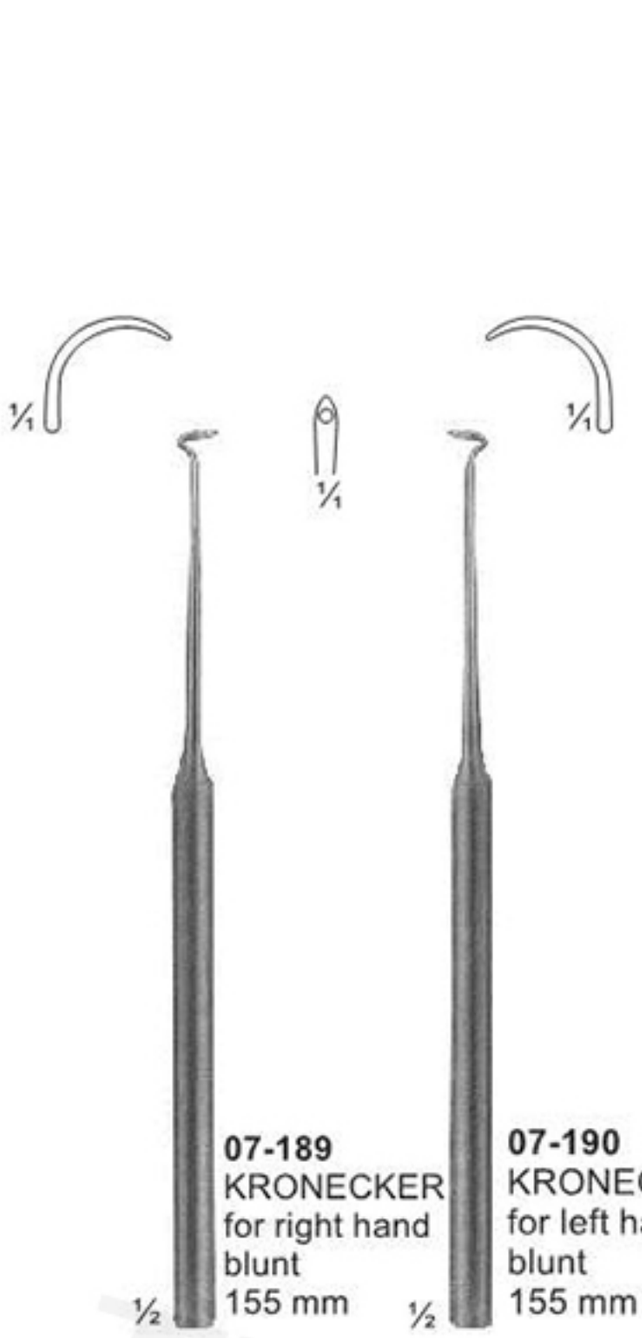






**07-184 - 188**
REVERDIN
220 mm

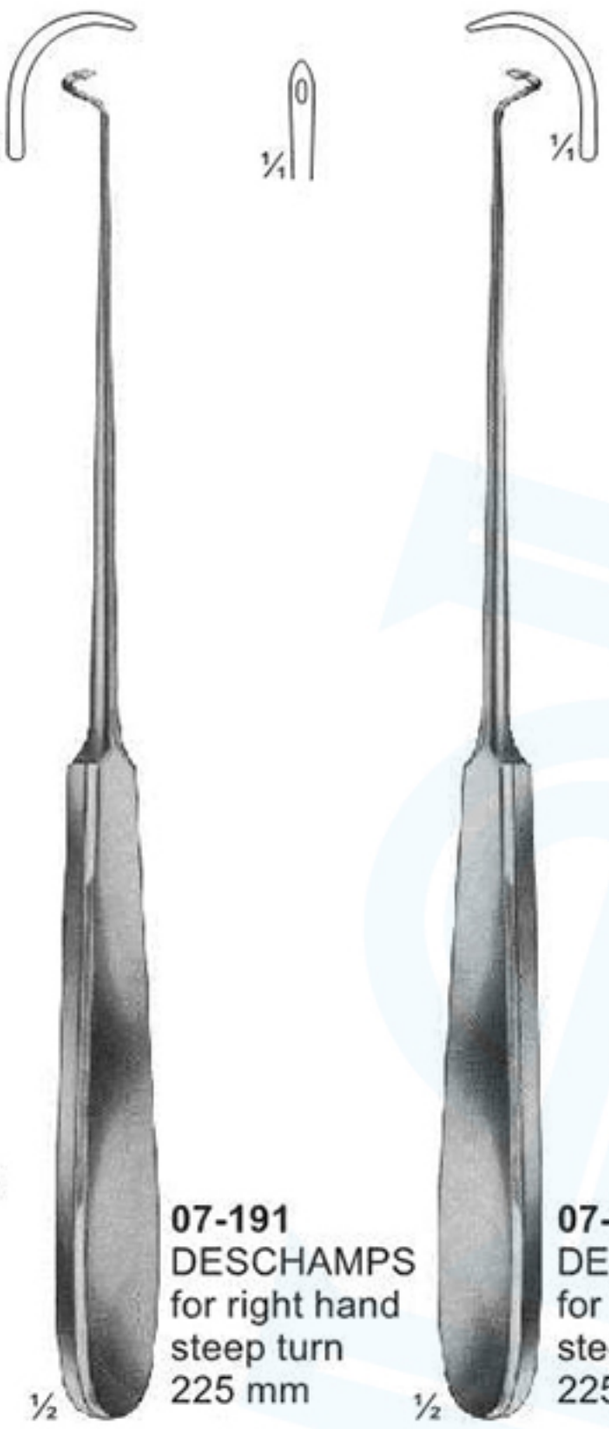
# Suture Instruments - Ligature Needles



**07-189**
KRONECKER
for right hand
blunt
155 mm



**07-190**
KRONECKER
for left hand
blunt
155 mm



**07-191**
DESCHAMPS
for right hand
steep turn
225 mm



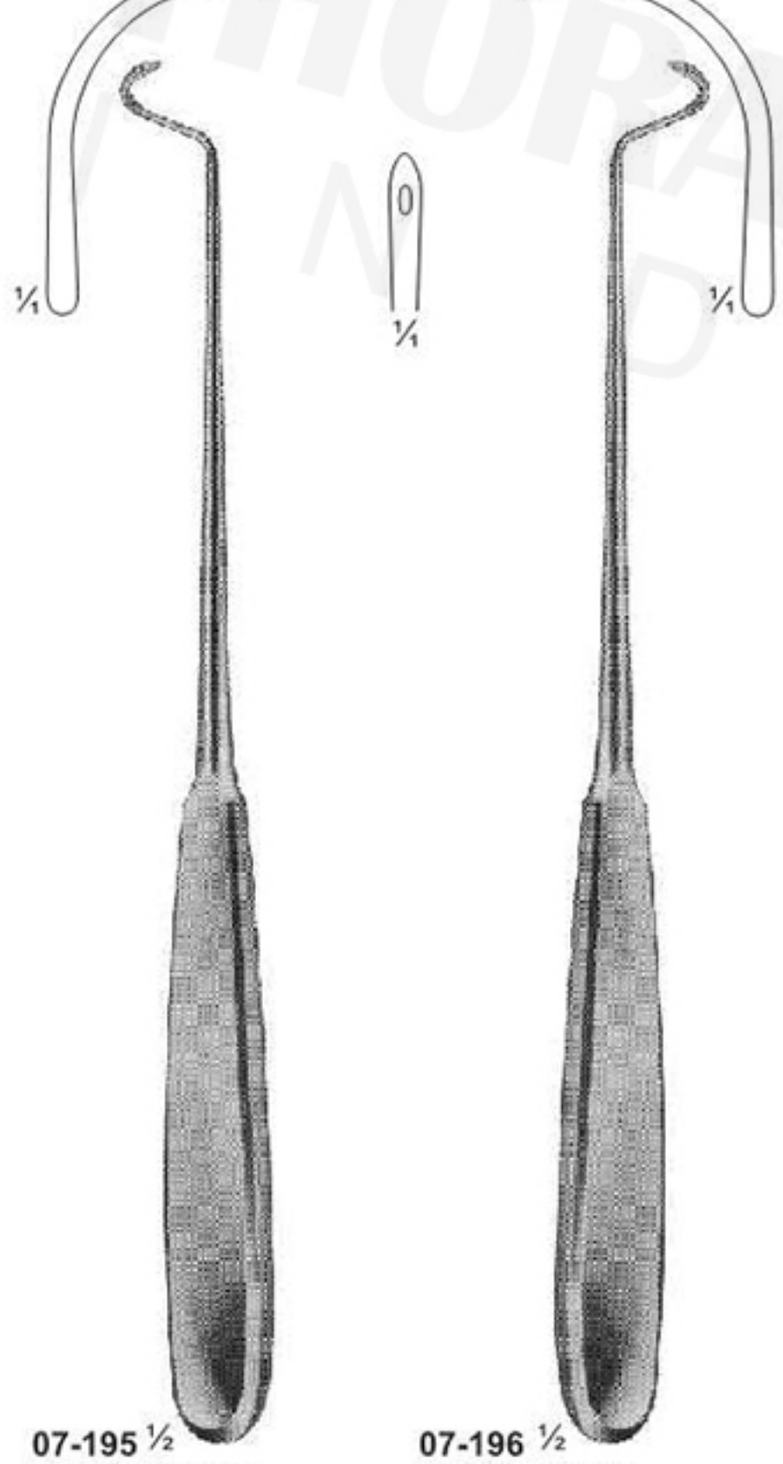
**07-192**
DESCHAMPS
for left hand
steep turn
225 mm



**07-193**
DESCHAMPS
for right hand
steep turn blunt
225 mm



**07-194**
DESCHAMPS
for left hand
steep turn blunt
225 mm



**07-195** ½
DESCHAMPS
for right hand
steep turn blunt
230 mm



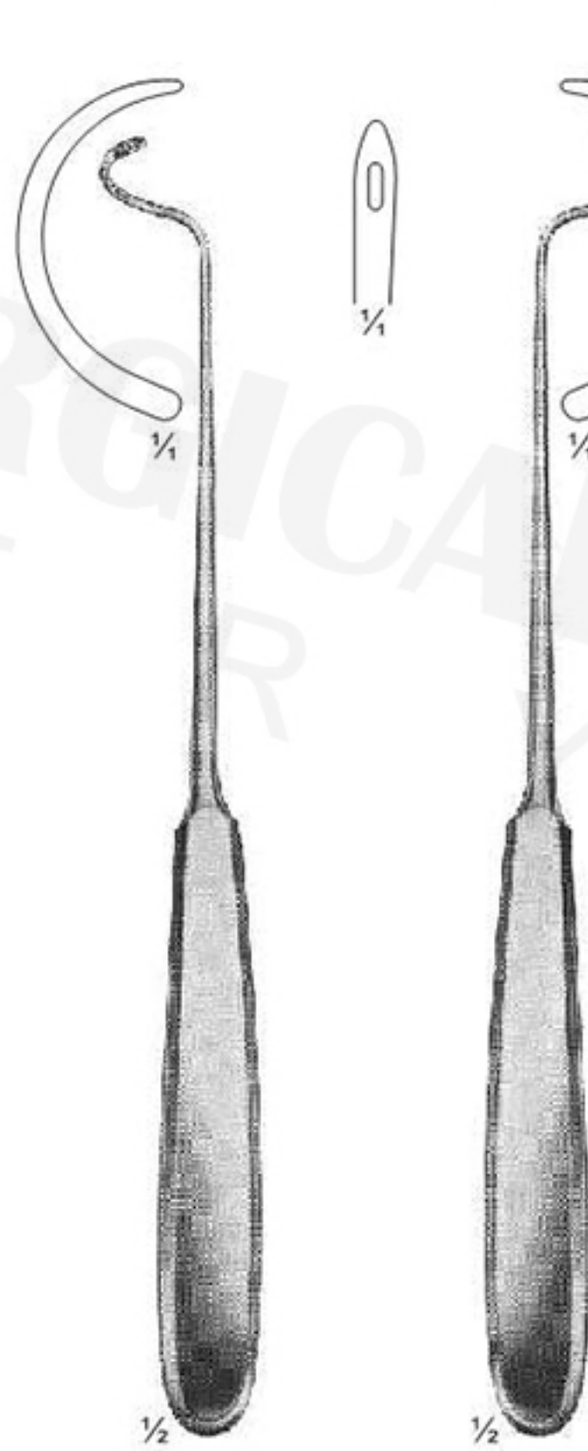
**07-196** ½
DESCHAMPS
for left hand
steep turn blunt
230 mm



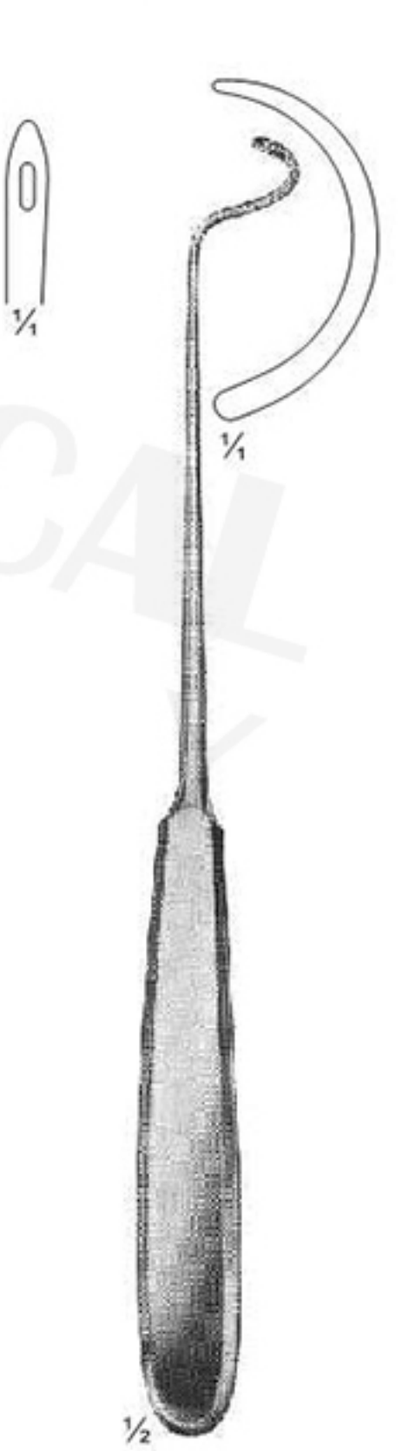
**07-197**
DESCHAMPS
for right hand blunt
215 mm



**07-198**
DESCHAMPS
for left hand blunt
215 mm

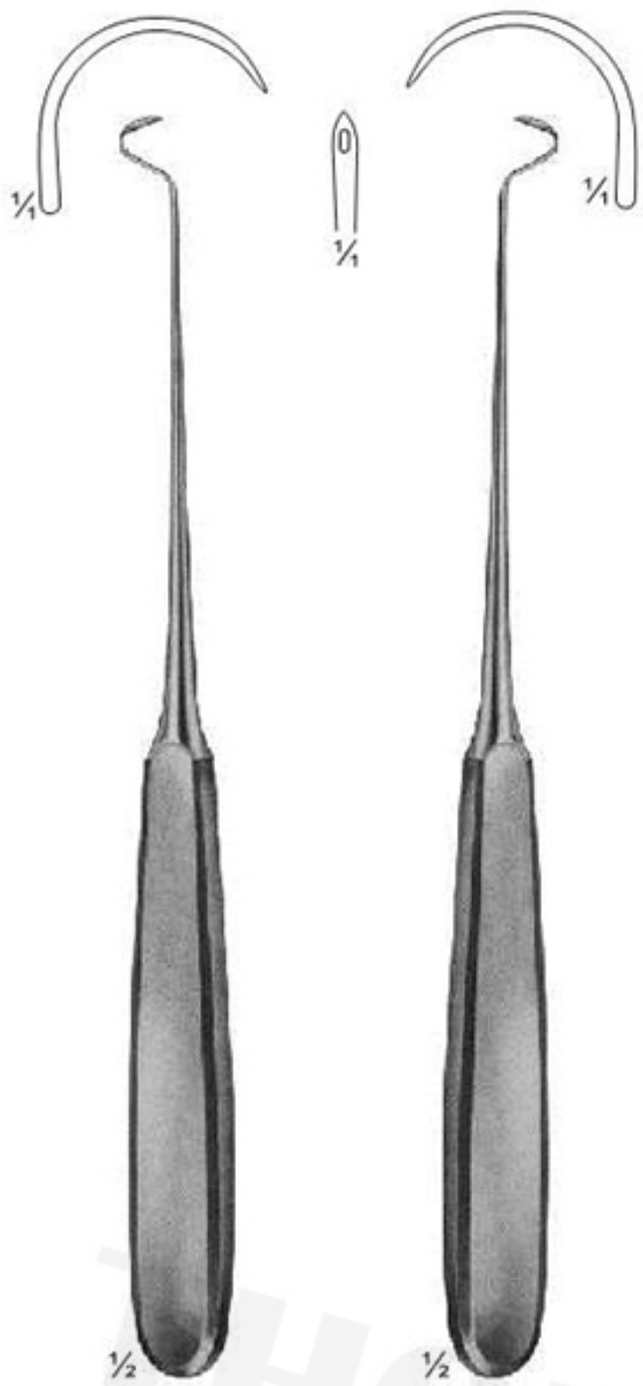


**07-199**
DESCHAMPS
for right hand blunt
215 mm



**07-200**
DESCHAMPS
for left hand blunt
215 mm

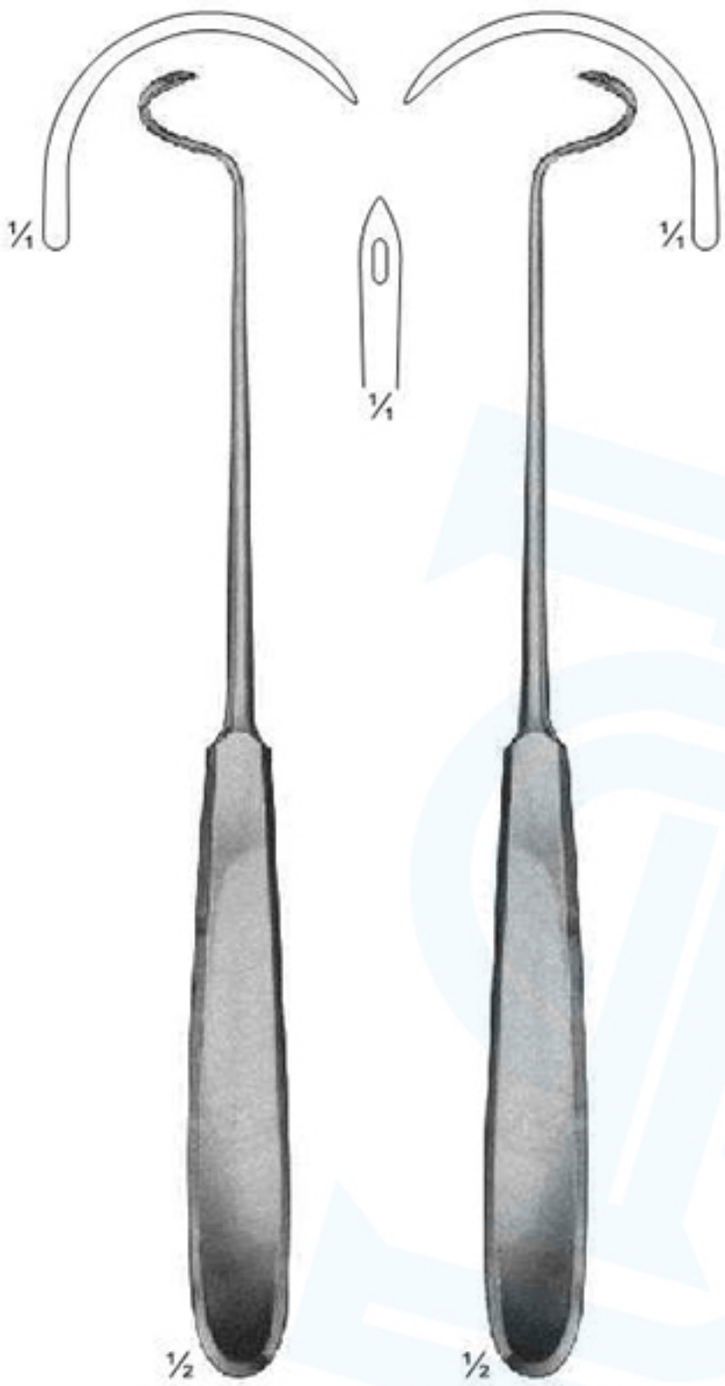
# Suture Instruments - Ligature Needles



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



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



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



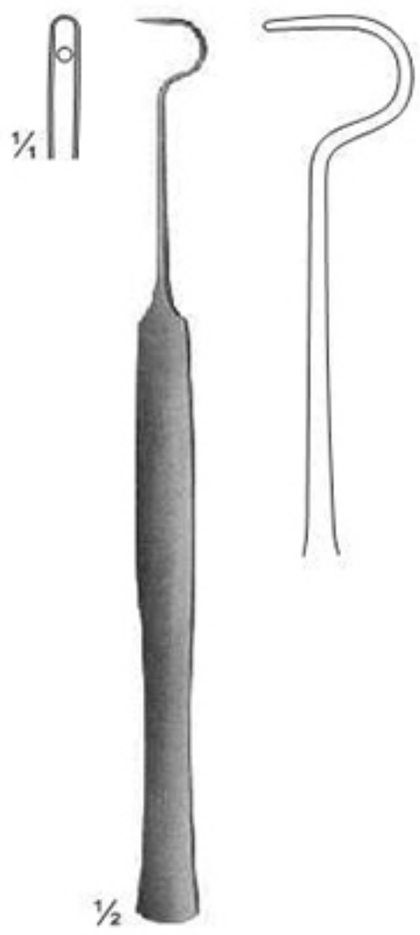
**07-204**
DESCHAMPS
for left hand
sharp
215 mm



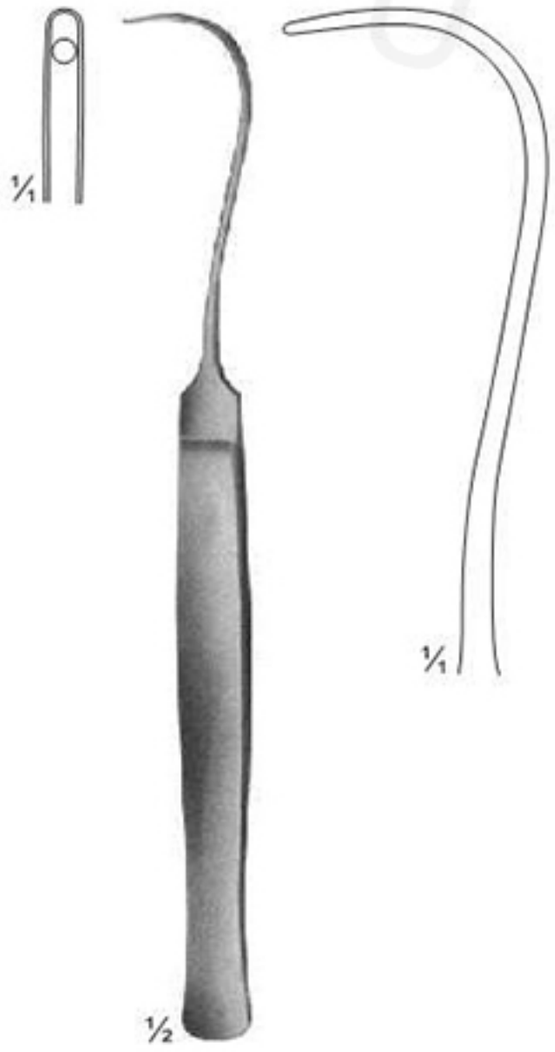
**07-205**
JONESCO
Needle for wire suture
185 mm



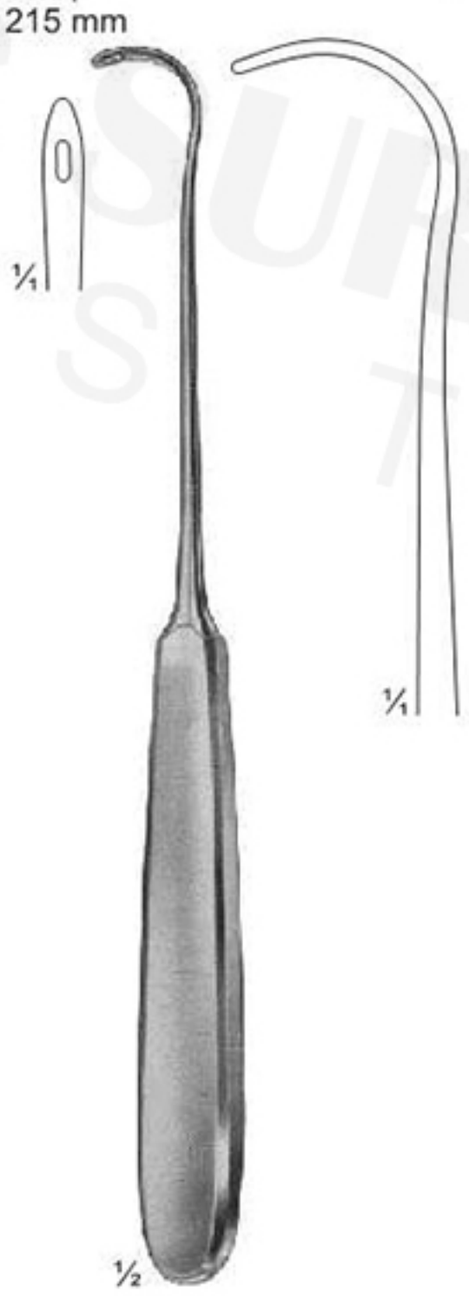
**07-206**
CLAUS VAN EICKEN
Needle for wire suture
250 mm



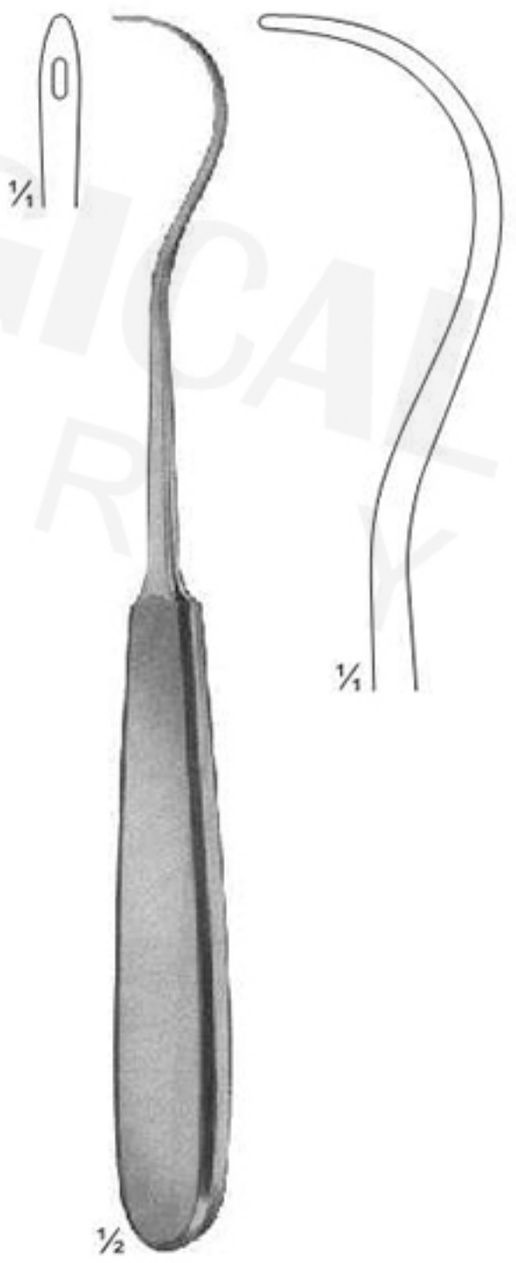
**07-207**
150 mm



**07-208**
SYME
170 mm

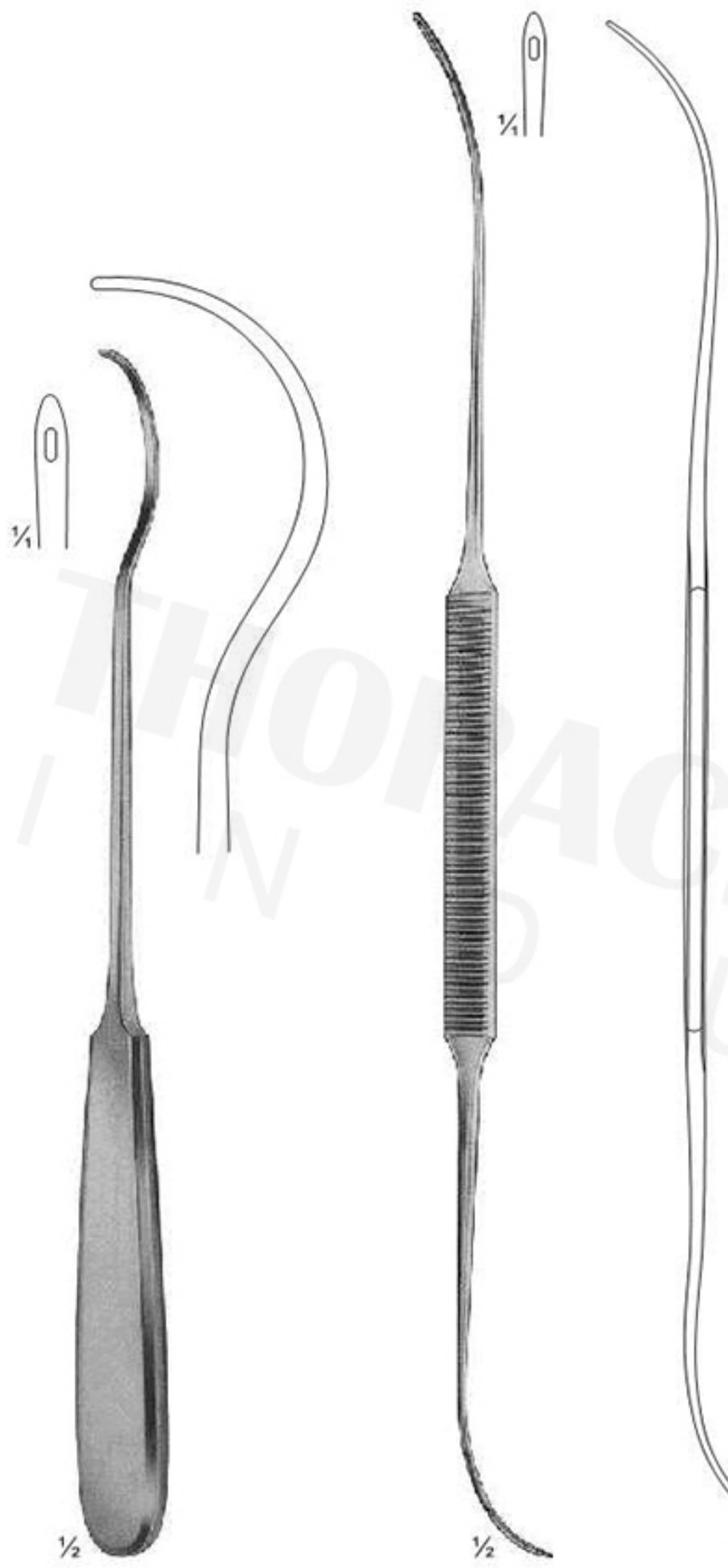


**07-209**
COOPER
205 mm



**07-210**
KOCHER
205 mm

# Ligature Needles




**07-211**
BRUNNER
240 mm



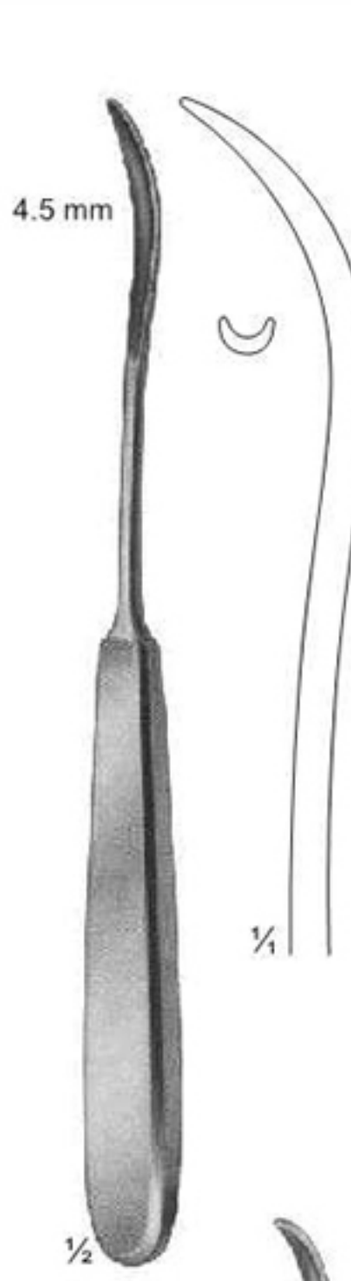

**07-212**
SCHMIEDEN-DICK
320 mm



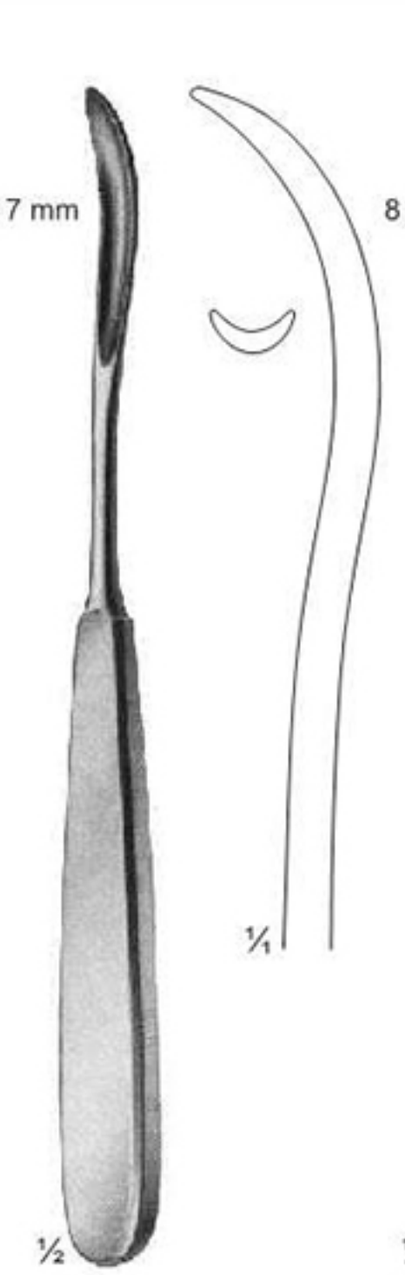

**07-213 - 216**
BRUNNER
Guiding Probes
300 mm

THORACIC SURGICAL INSTRUMENTS

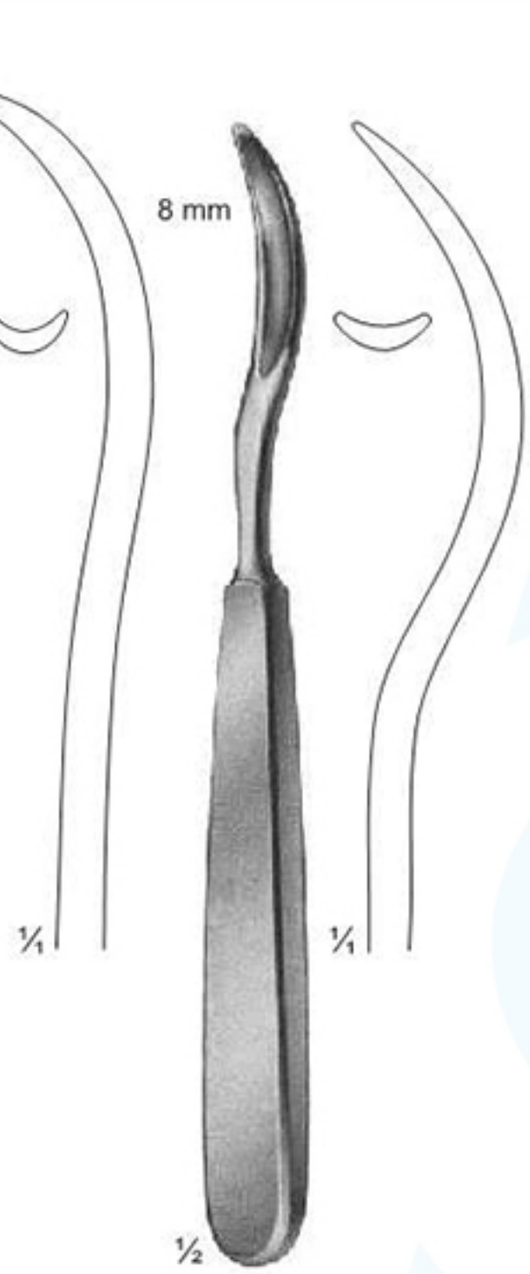
# Guiding Probes




**07-217**
KOENIG
195 mm




**07-218**
KOENIG
200 mm



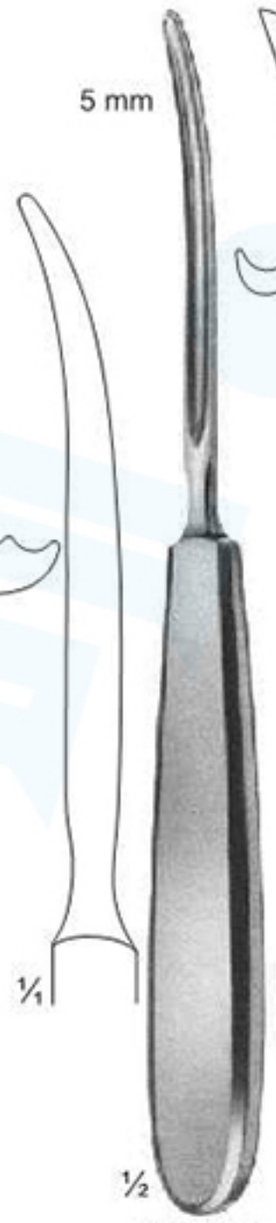

**07-219**
SCHMIEDEN
185 mm



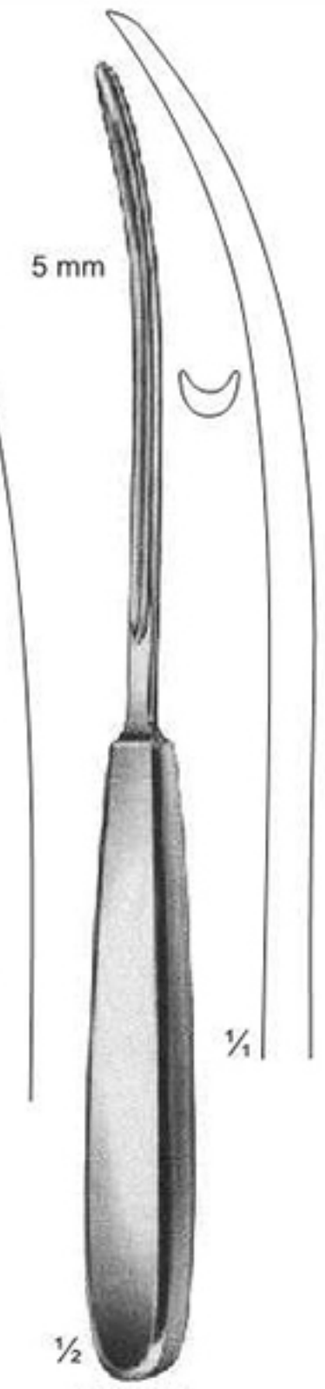

**07-220**
KOCHER
150 mm




**07-221**
KOCHER
170 mm



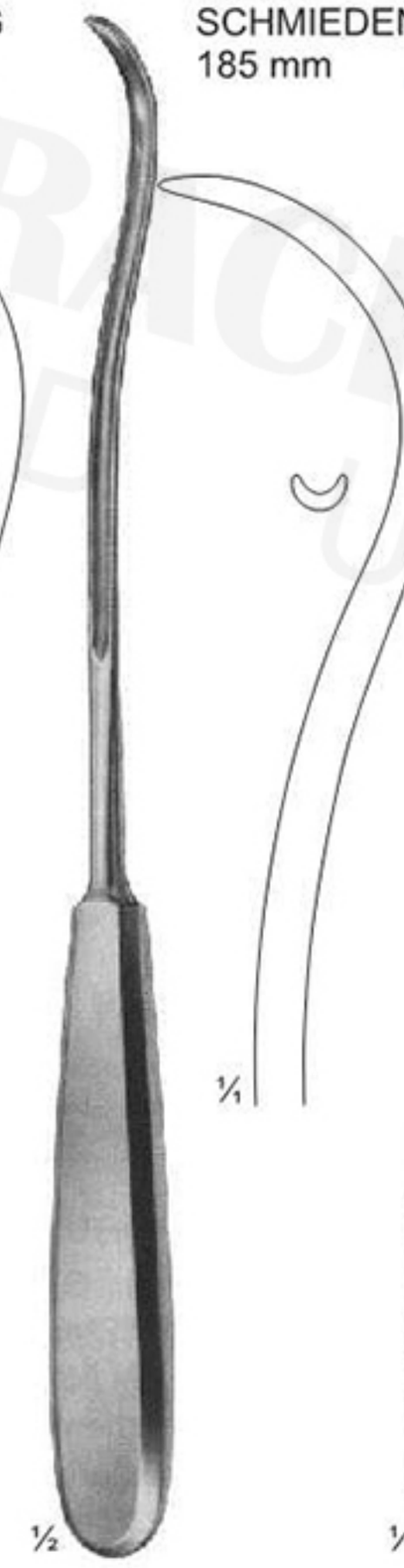

**07-222**
PAYR
195 mm



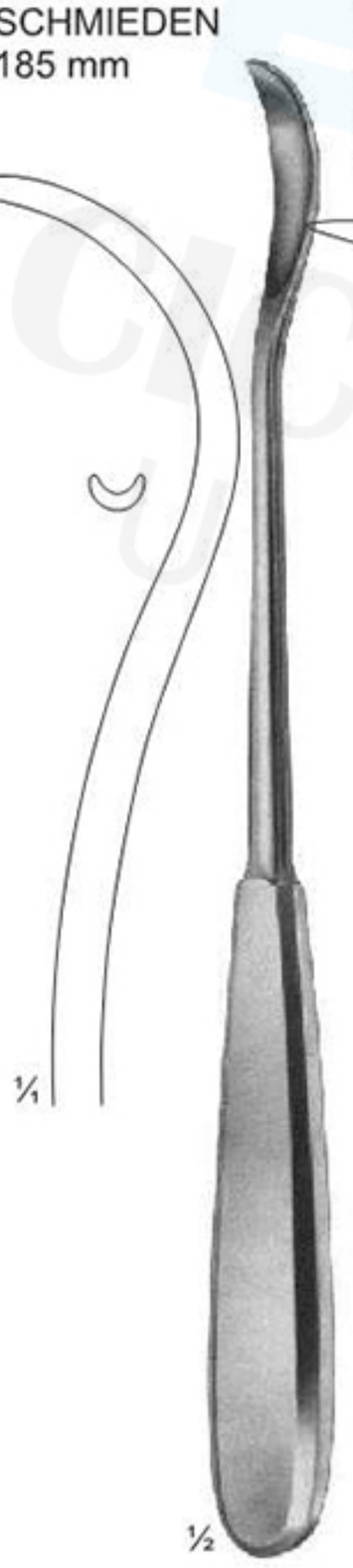

**07-223**
PAYR 225 mm



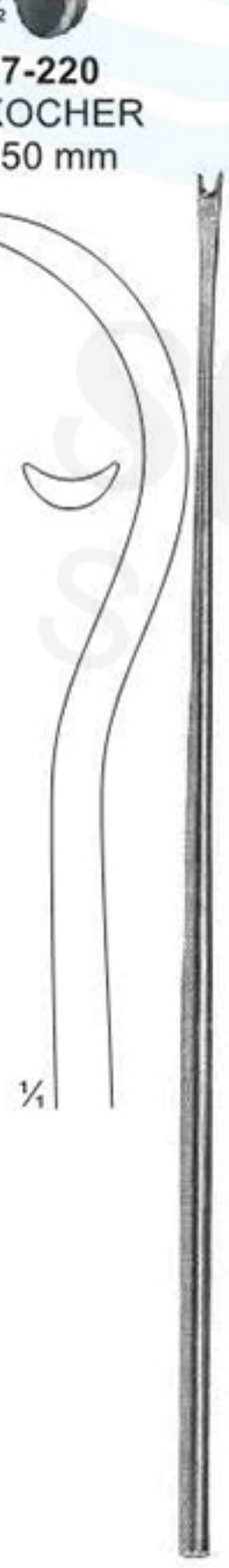

**07-224**
280 mm




**07-225**
KIRSCHNER
255 mm




**07-226**
BRUNNER
245 mm




**07-227**
Ligature Adjuster
230 mm



**07-228**
CASPER
Ligature Adjuster
230 mm



**07-229**
WIENER MODELL
Suture hook
235 mm

THORACIC SURGICAL INSTRUMENTS

# Probes




**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

THORACIC SURGICAL INDUSTRY

# Probes




**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

THORACIC SURGICAL INDUSTRY

# Probes - Spatulas - Cotton Applicators




**07-258**
STACKE
100 mm




**07-259**
KILLIAN
165 mm



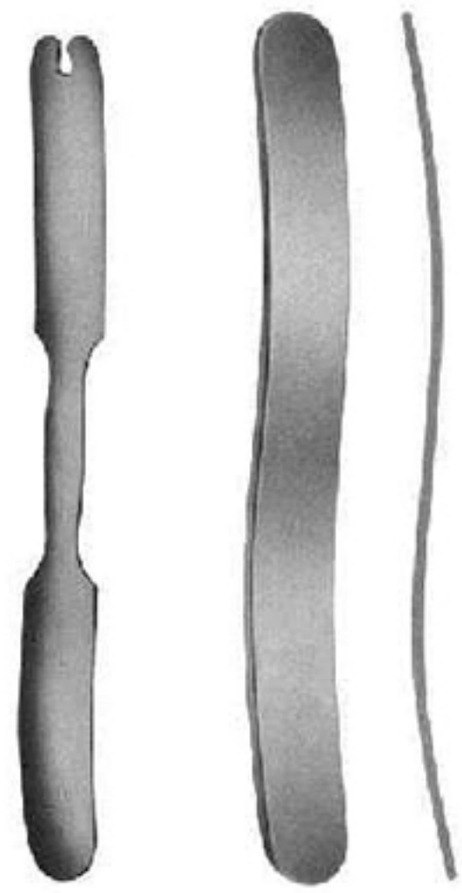

**07-260**
160 mm




**07-261**
SEIFFERT
180 mm




**07-262**
BOWMAN
130 mm



**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



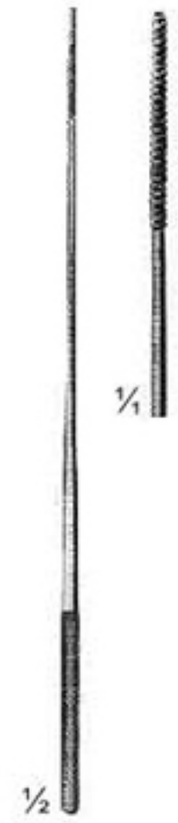
**07-268**
LATHBURY-FARREL
Triangular Serrated end
110 mm

THORACIC SURGICAL INDUSTRIES

# 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

THORACIC SURGICAL INDUSTRY

# Clip Applying Forceps - Suture Set




**07-282**
MICHEL
125 mm




**07-283**
HEGENBARTH
120 mm




**07-284**
WACHENFELDT
120 mm




**07-285**
WACHENFELDT
120 mm



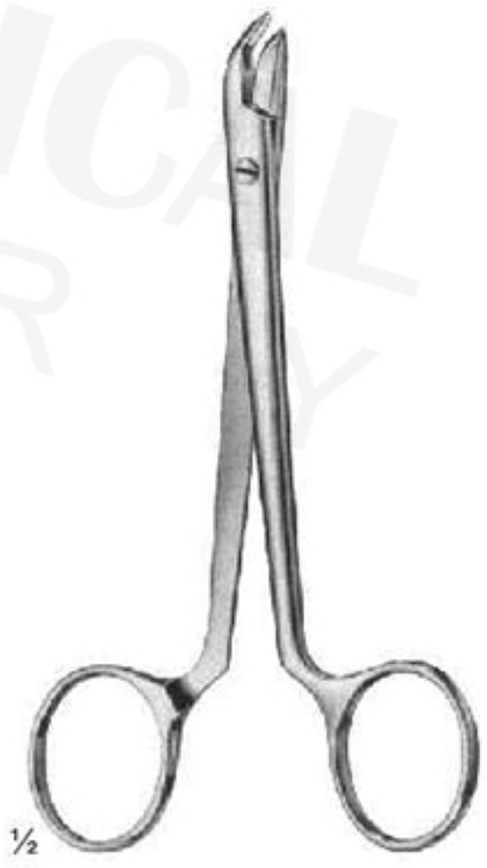

**07-286**
MICHEL
125 mm




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




**07-288**
HEATH
135 mm




**07-289**
COLLIN
135 mm

THORACIC SURGICAL INDUSTRY

# 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
1Delicate tissue forceps, 130mm
1 Scalpel, bellied
1 MATHIEU needle holder, 140mm
1 Perforated metal case, stainless
containing:
1 Suture needle
1 item 1 item



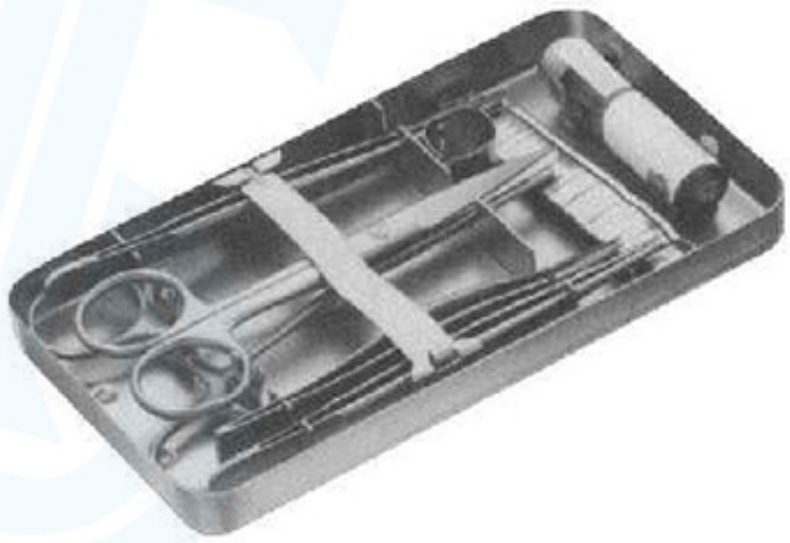
**07-291**
Pocket instrument set, in metal case
consisting of:
**Bottom tray**
1 MATHIEU needle holder, 140mm
1 MICHEL clip forceps, combined
1 Myrtle leaf probe, 130mm
1 Sharp double curette
1 Skin hook
1 Detachable scalpel handle, no.4
1 Perforated metal case, containing
6 Scalpel blades BB 520
1 Perforated metal case,
stainless, containing
1 Suture needle
1 item
1 item

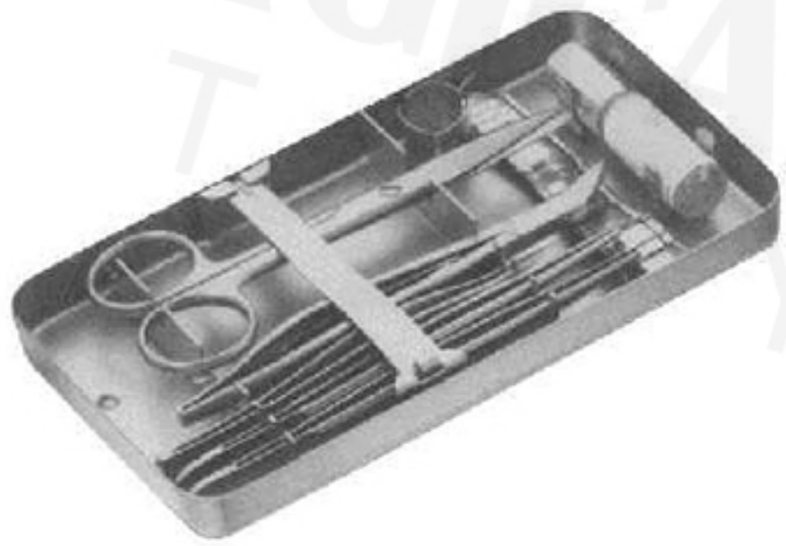


**07-292**
Pocket instrument set, in metal case
consisting of:
**Bottom tray**
1 MAYO-HEGER needle holder, 150mm
1 MICHEL clip forceps, combined
1 Myrtle leaf probe, 130mm
1 Sharp double curette
1 Skin hook
1 Detachable scalpel handle, no. 4
1 Perforated metal case, consisting
6 Scalpel blades BB 520
1 Perforated metal case, stainless, consisting:
1 Suture needle
1 item, & 1 item



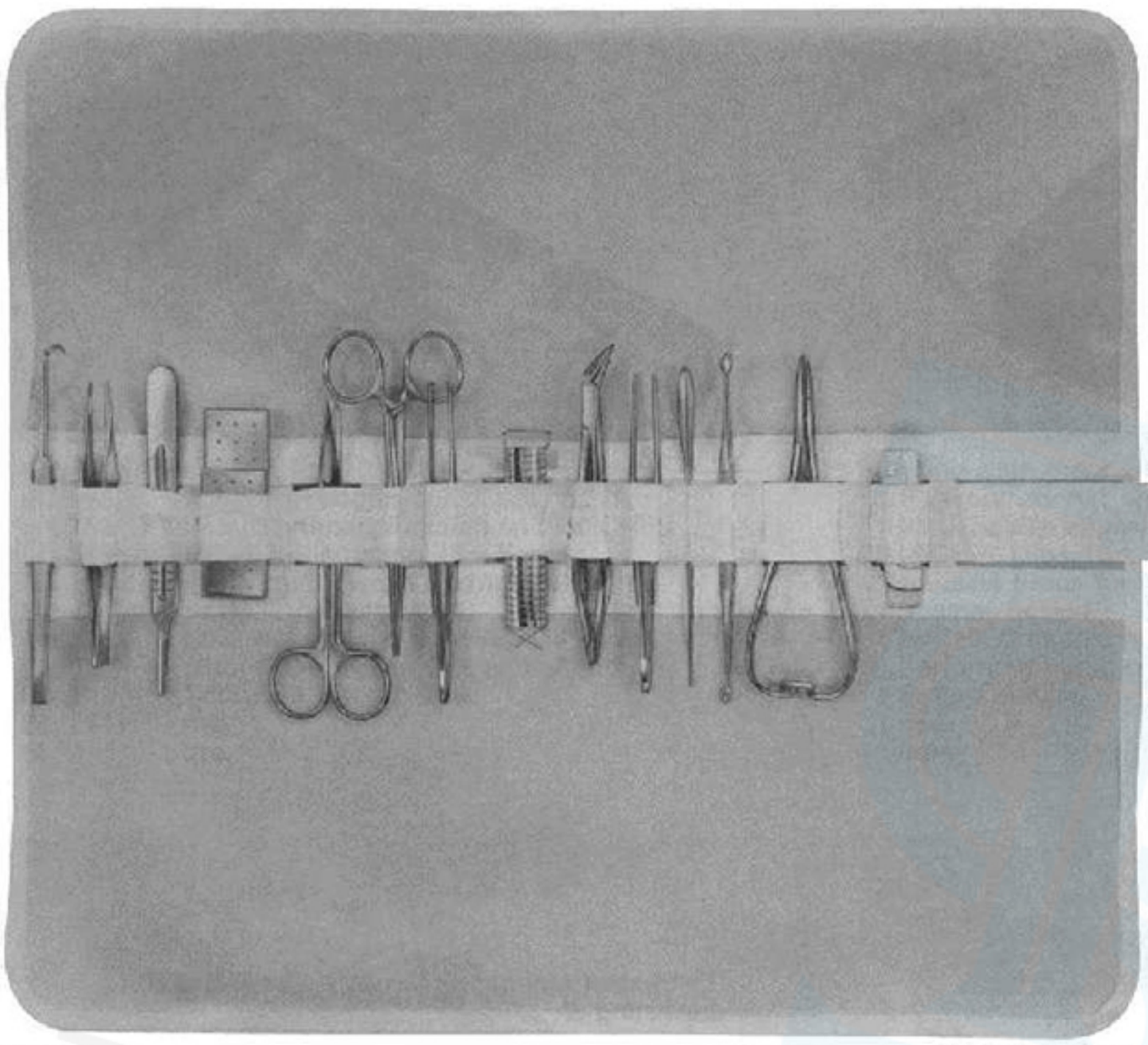
**Top tray**
1 Tissue forceps, 130mm
1 KOCHER haemostatic forceps, 130mm
1 Straight surgical scissors, 130mm
1 Dissecting forceps, 130mm
1 FEILCHENFELD splinter forceps, 115mm
25 MICHEL clip, 16 x 3mm
1 Flacon of suture skin, sterile in alcohol





**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

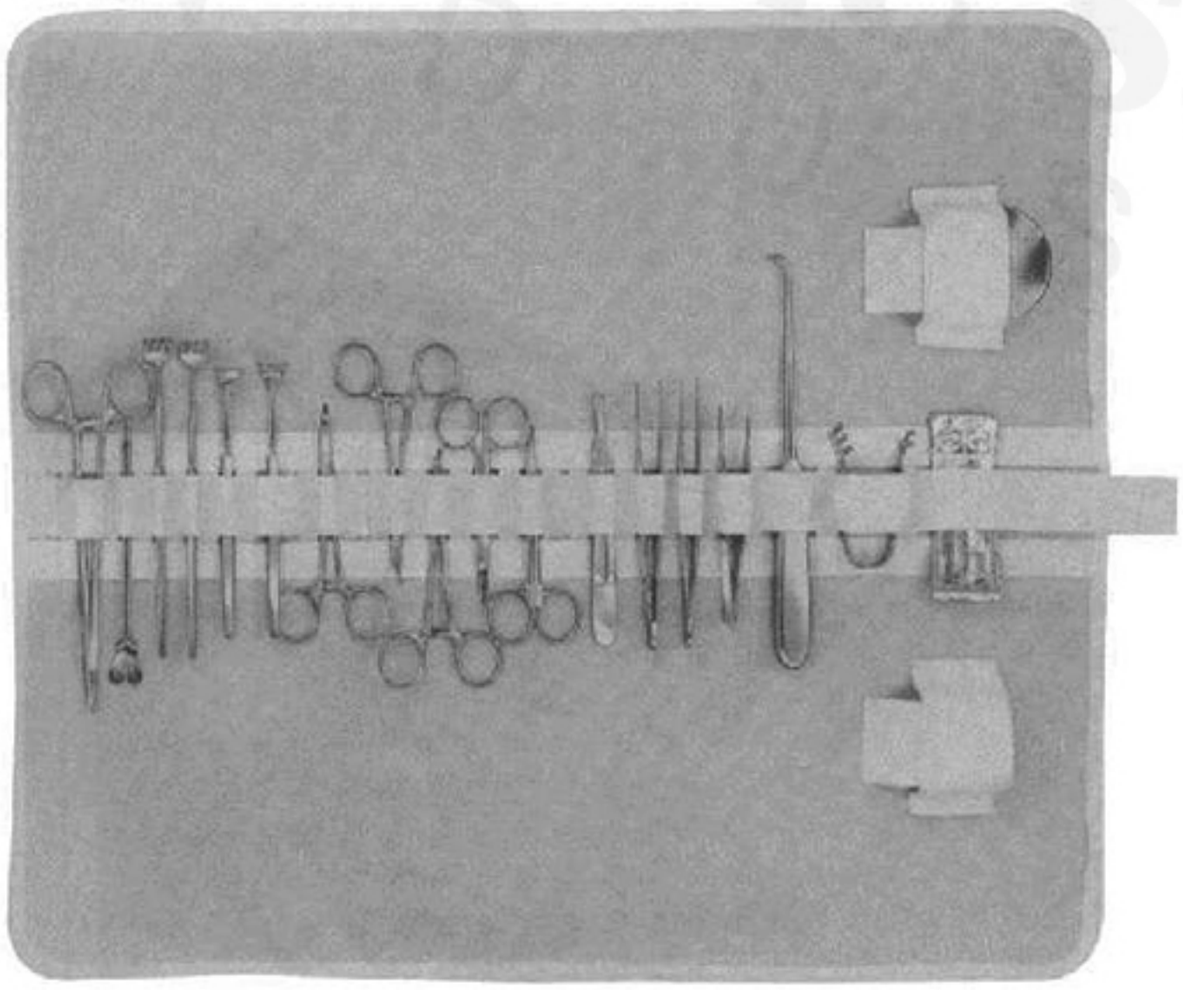
# Clip Applying Forceps - Suture Set





**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
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 matel case, stainless,**
**consisting:**
**1 Suture needle**
**1 item**
**1 item**



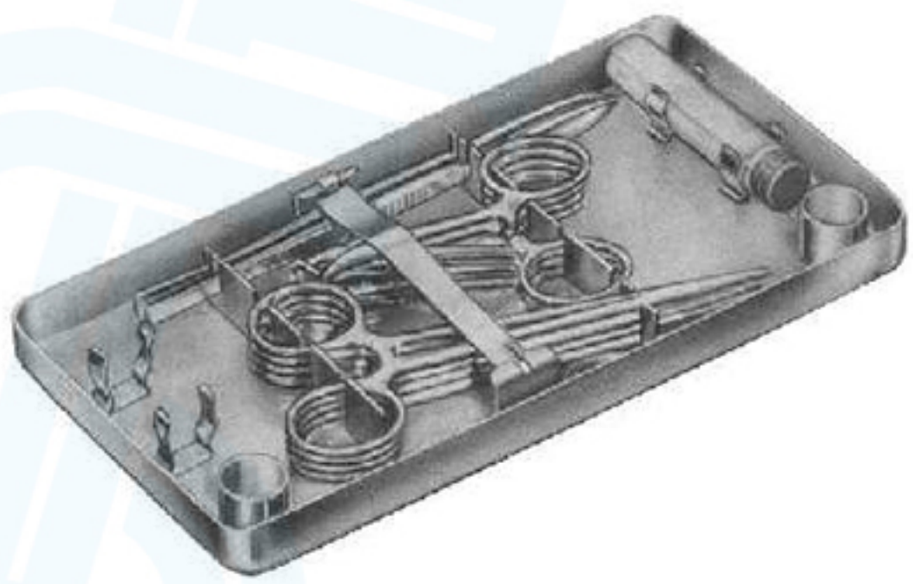


1 Scalpel handle no. 4
4 Sterile scalpel blades, no 18, single peel pack
1 Needle box, perforated, round, diam. 65mm
1 HEGAR-MAYO DUROGRIP needle holder, 180mm

**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 mosqiuto 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

# 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

THORACIC SURGICAL INSTRUMENTS

# Nerve - and Vessel Hooks




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

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

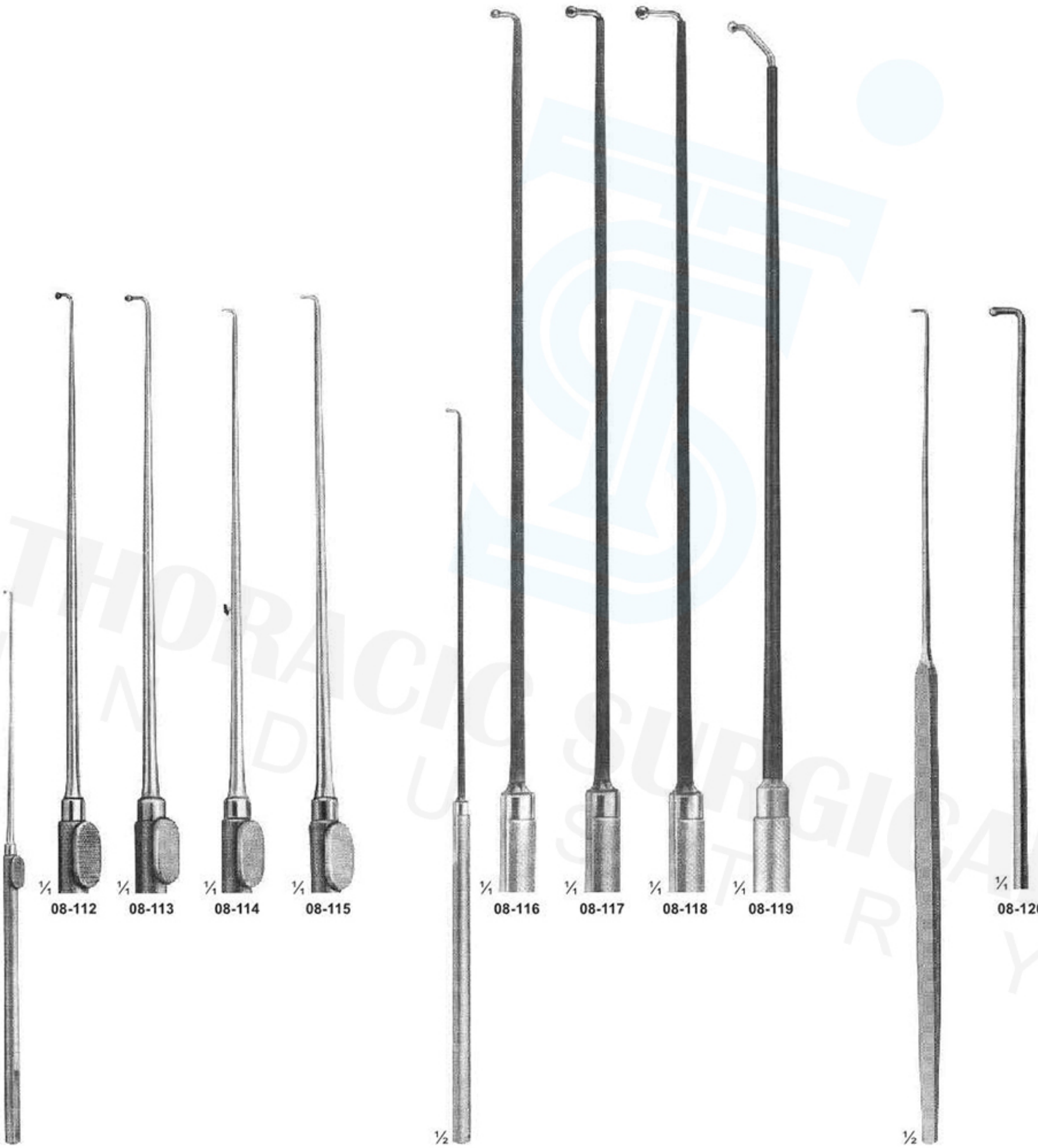
**08-108**
BROM
Vein hook
170 mm

**08-109**
CRILE
200 mm

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

THORACIC SURGICAL INSTRUMENTS

# Nerve - and Vessel Hooks



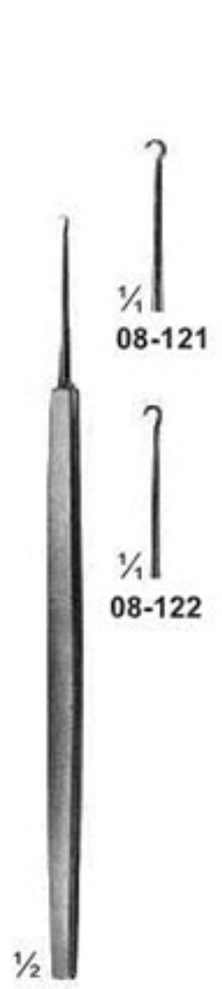

**08-112 - 115**
KRAYENBUHL
185 mm

**08-116 - 119**
CASPAR
245 mm

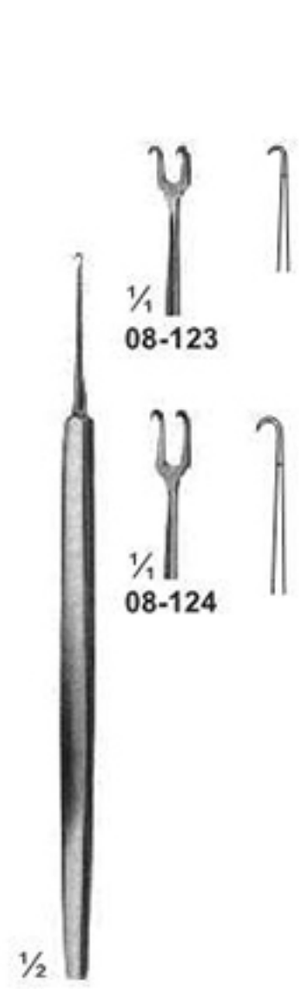
**08-120**
CUSHING
280 mm

THORACIC UNIVERSAL SURGICAL

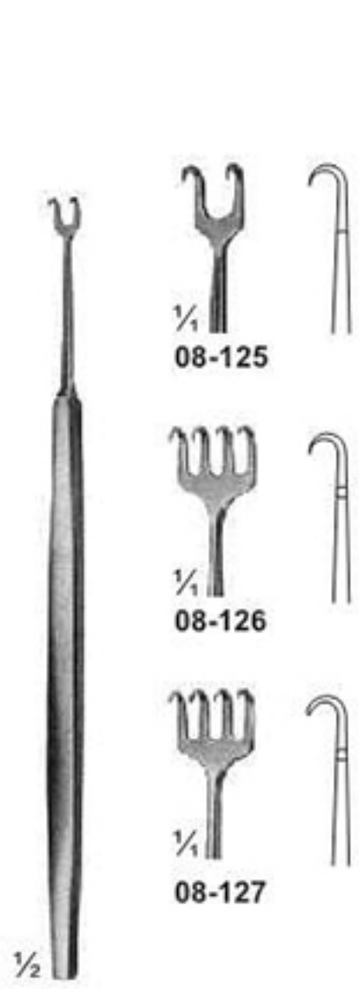
# Fine Wound Retractors (Dura- and Skin Retractors)




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



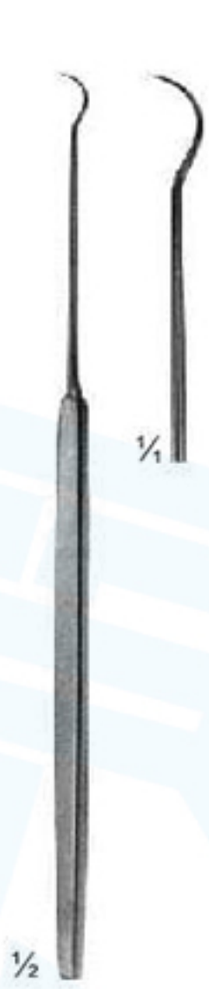

**08-123** 125 mm
**08-124** 130 mm
Sharp
GUTHRIE




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



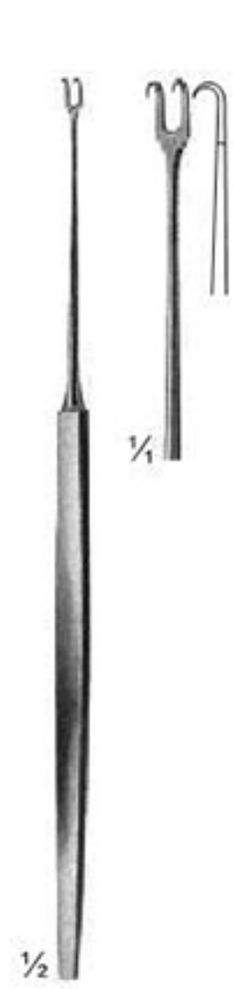

**08-128**
FRAZIER
Dura Retractors
130 mm




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




**08-130**
KILNER
160 mm



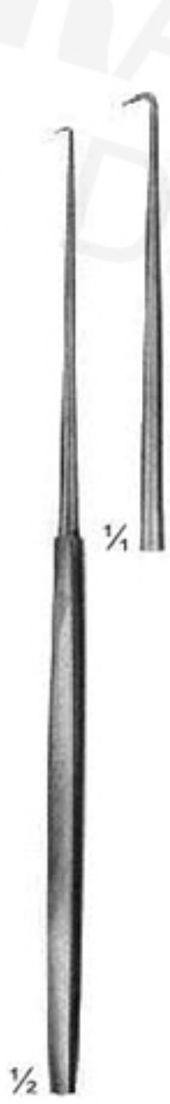

**08-131**
FREER
150 mm



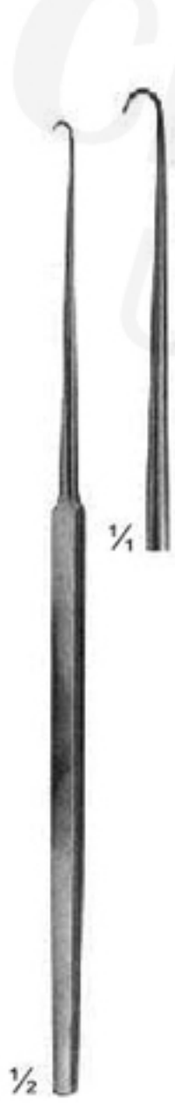

**08-132**
MULLER
150 mm



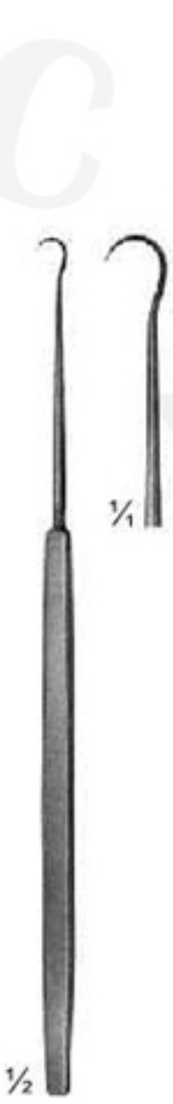

**08-133**
MULLER
150 mm




**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

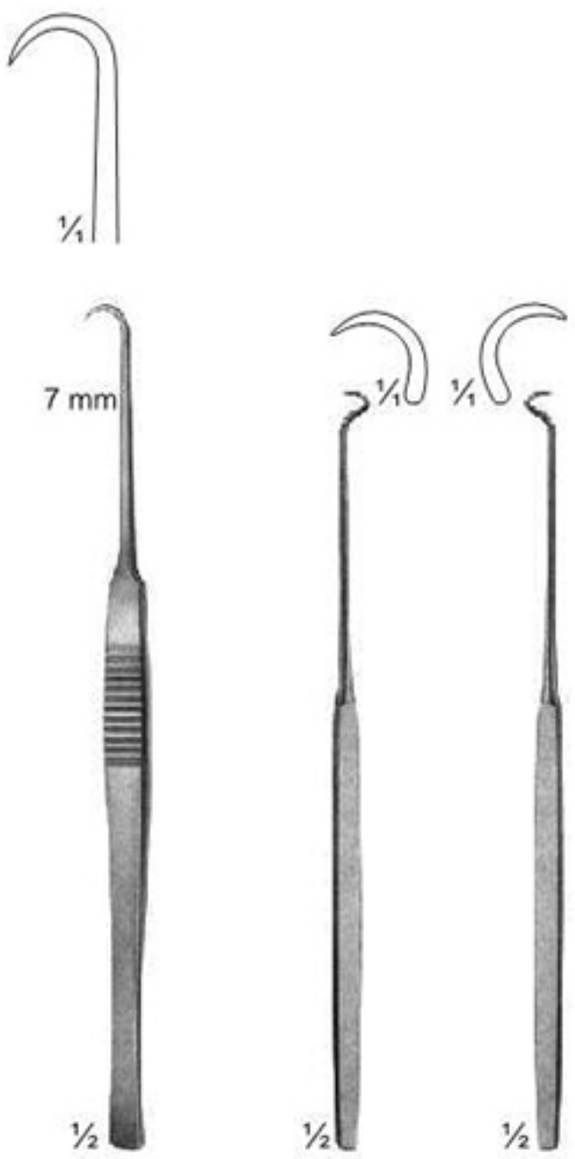



**08-143**
KILNER
Sharp
80 mm




**08-144**
CONVERSE
Blunt
120 mm

# Wound - Trachea Retractors




**08-145**
BERGMANN
140 mm




**08-146**
BOSE
165 mm




**08-147**
BOSE
165 mm




**08-148 - 150**
180 mm




**08-148**
Sharp




**08-149**
Blunt




**08-150**
Blunt







**08-151 - 153**
Flexible shaft, sharp
155 mm




**08-151**




**08-152**




**08-153**




**08-154 - 156**
Flexible shaft, blunt
155 mm




**08-154**




**08-155**




**08-156**







**08-157**




**08-158**




**08-159**




**08-160**




**08-161**




**08-162**




**08-163**




**08-164**

**08-157-164**
Large curve, sharp
165 mm







**08-165**




**08-166**




**08-167**




**08-168**




**08-169**




**08-170**




**08-171**




**08-172**

**08-165-172**
Large curve, blunt
165 mm

# Retractors With Treangle Handle




**08-173**
MANNERFELT modif.
sharp
135 mm



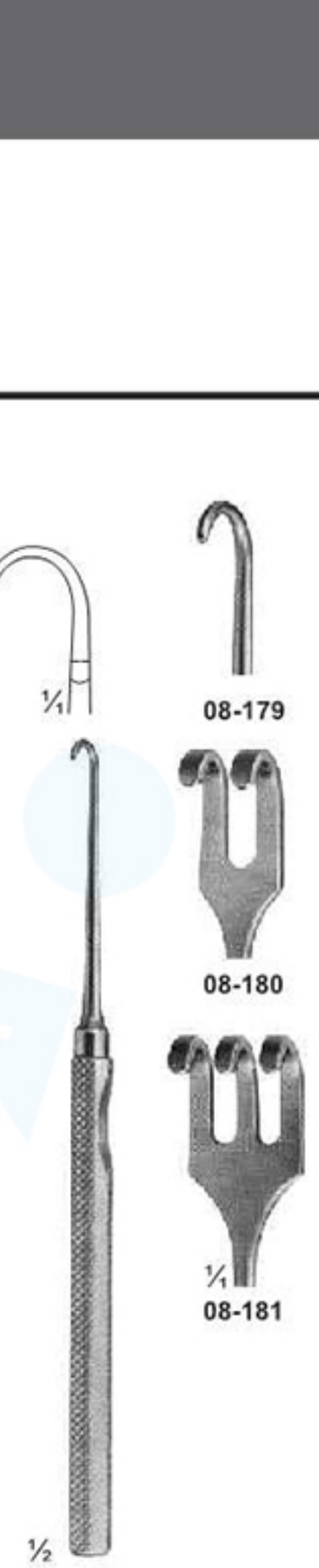

**08-174**
MANNERFELT modif.
sharp
155 mm



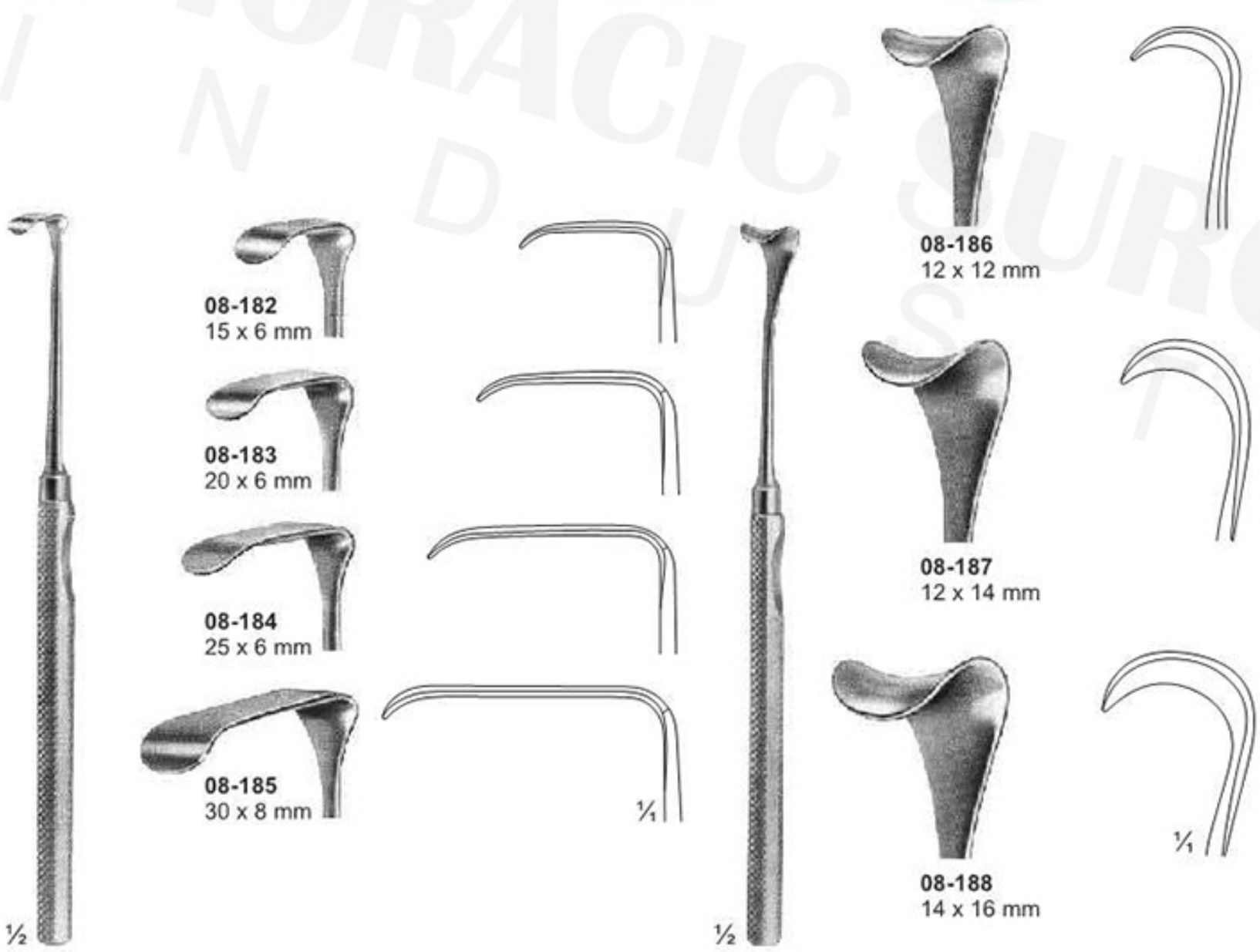

**08-175**
MANNERFELT modif.
sharp
155 mm




**08-176 - 178**
MANNERFELT modif.
Small curve, sharp
155 mm

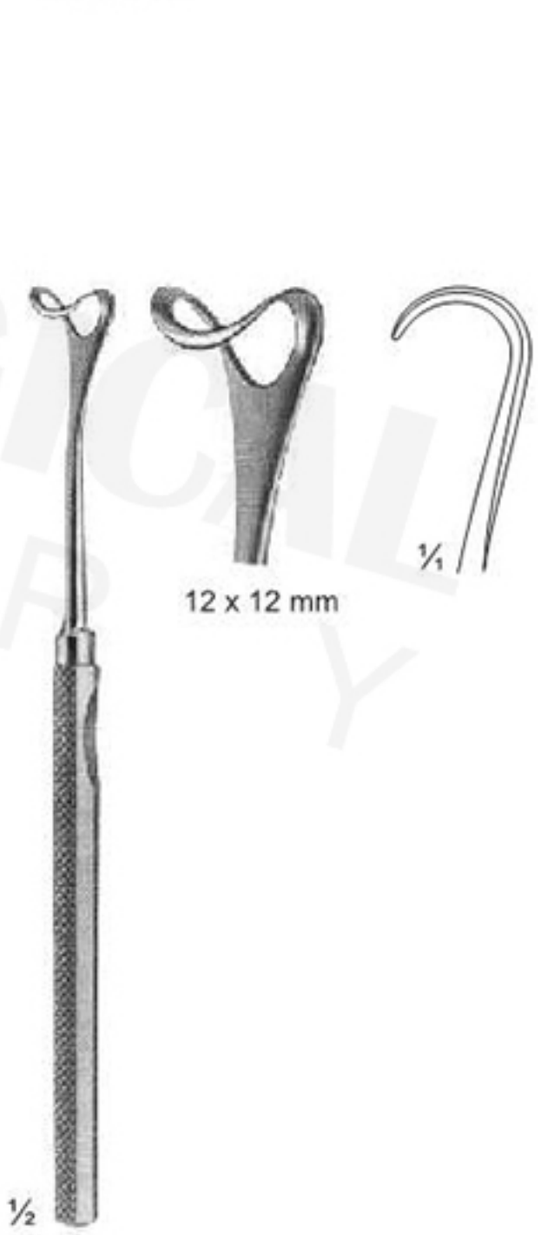



**08-179 - 181**
MANNERFELT modif.
Large curve, blunt
155 mm




**08-182 - 185**
LANGENBECK-
MANNERFELT modif.
155 mm

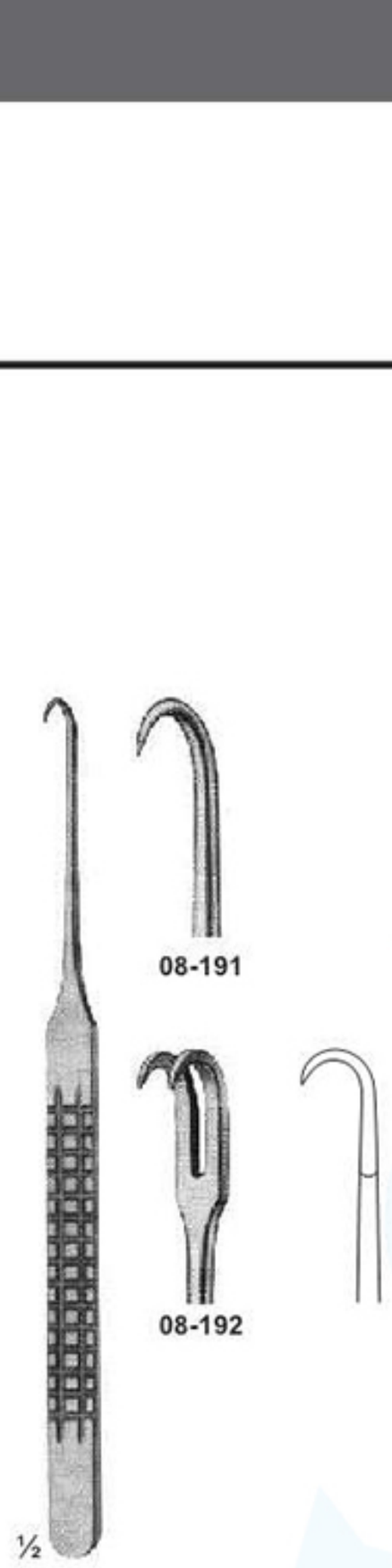
**08-186 - 188**
MANNERFELT modif.
Saddle hooks,
155 mm




**08-189**
MANNERFELT modif.
Saddle hooks, fenestrated
155 mm



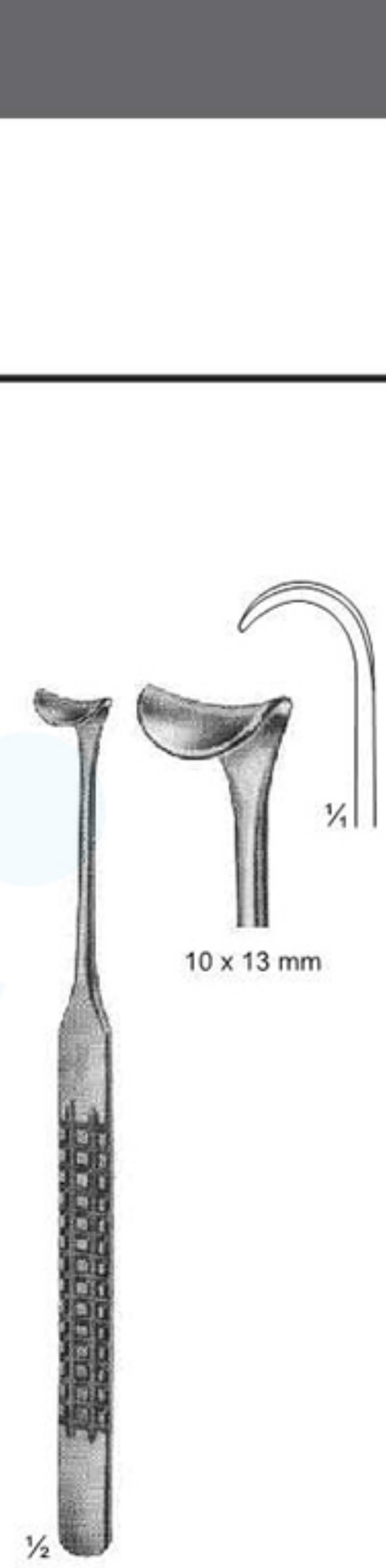

**08-190**
FOMON
145 mm



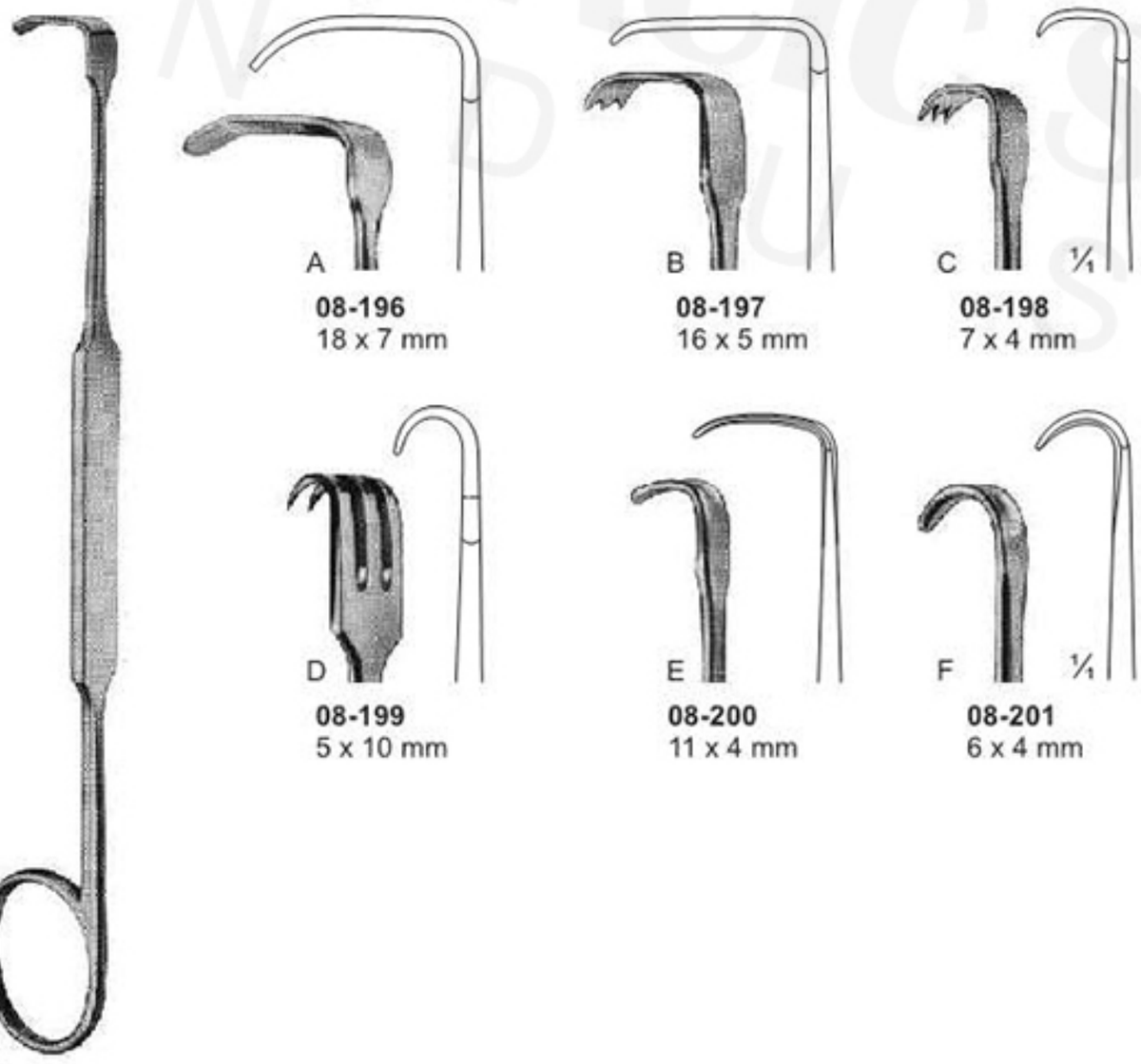

**08-191 - 192**
160 mm



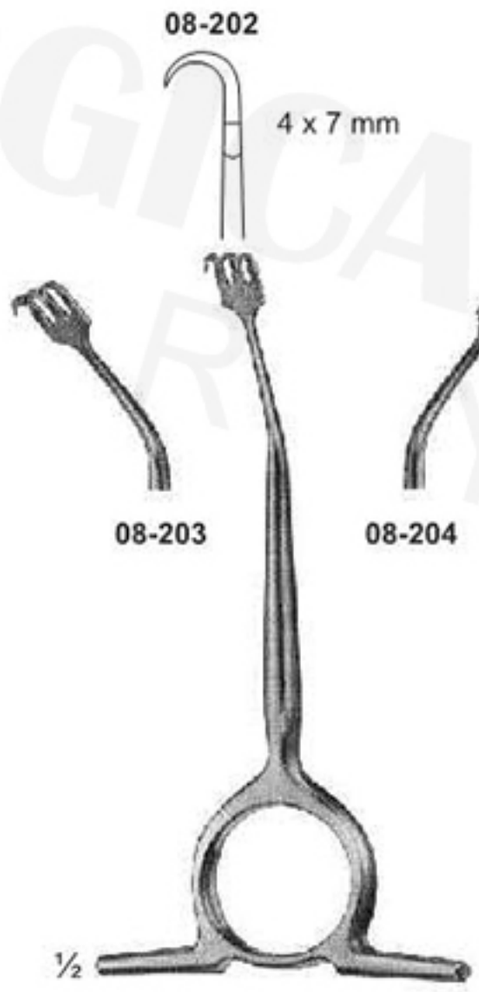

**08-193 - 194**
LANGENBECK-GREEN
160 mm




**08-195**
160 mm




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



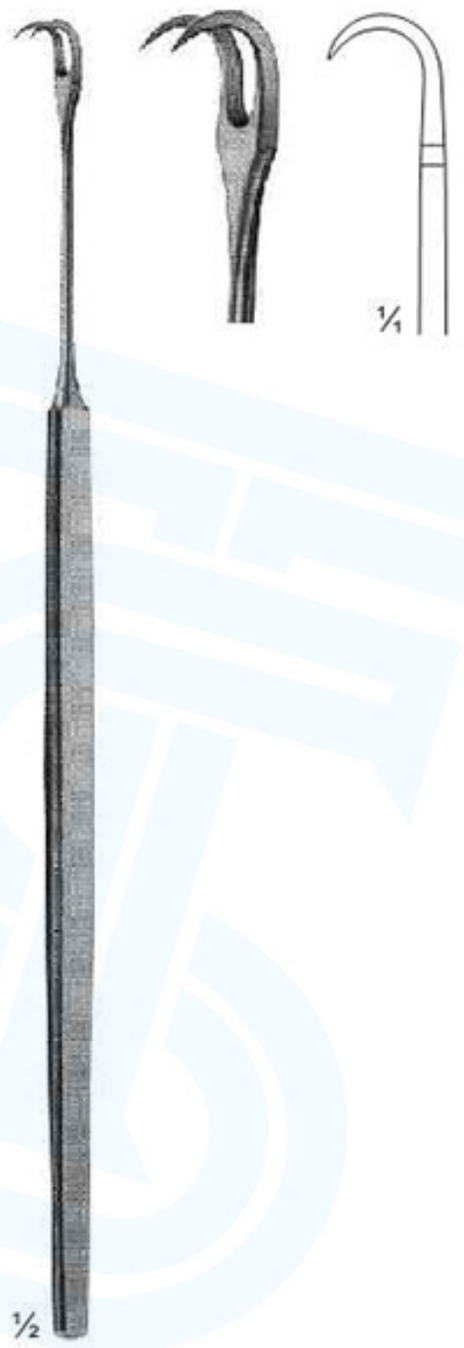

**08-202 - 204**
WILLIGER
120 mm




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



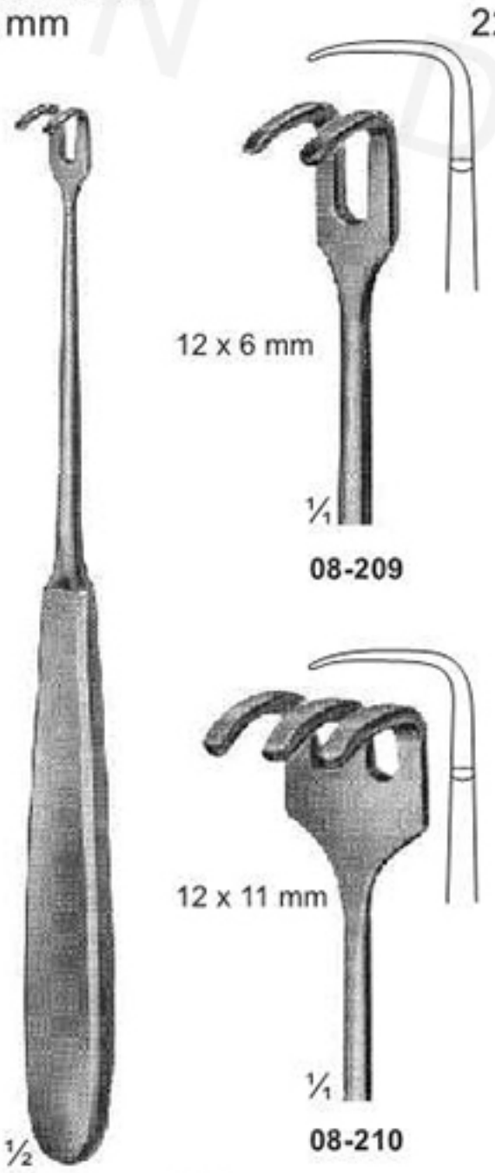

**08-206**
SIMON
Fistula hook
220 mm




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



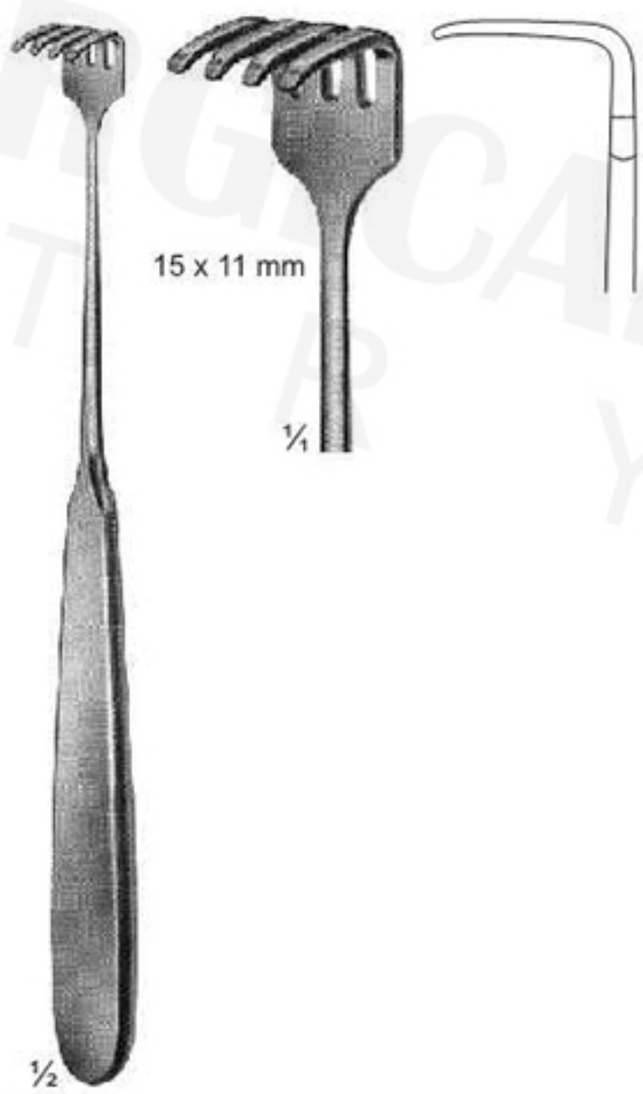

**08-208**
LANGE
Fistula hook
230 mm




**08-209**

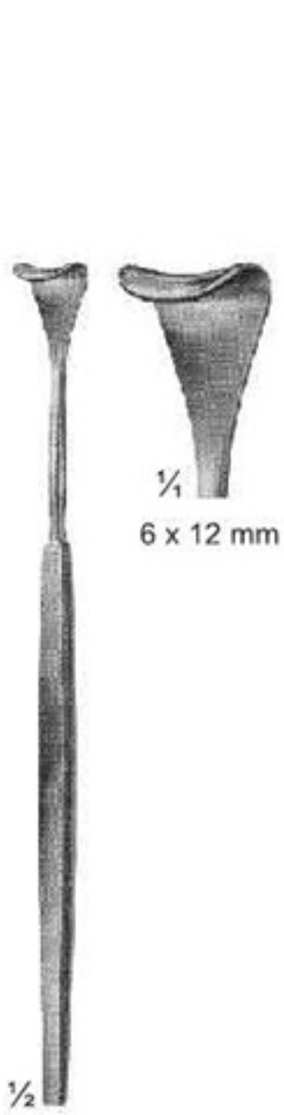
**08-210**

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

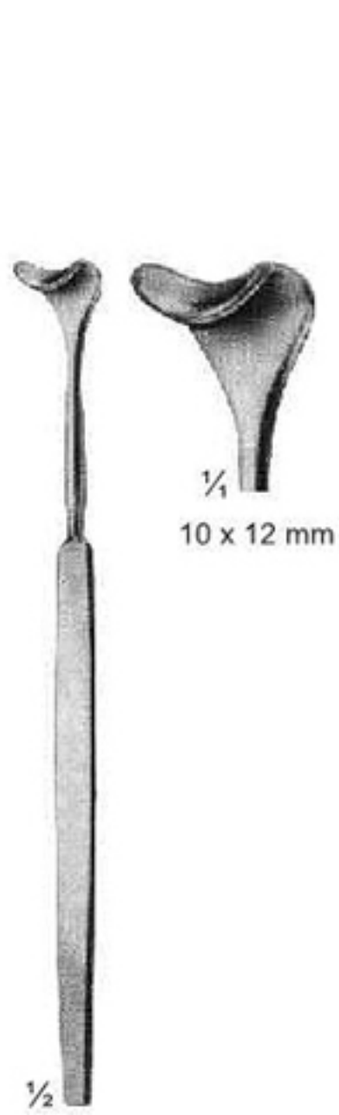



**08-211**
KLAPP
Tendon hooks
175 mm

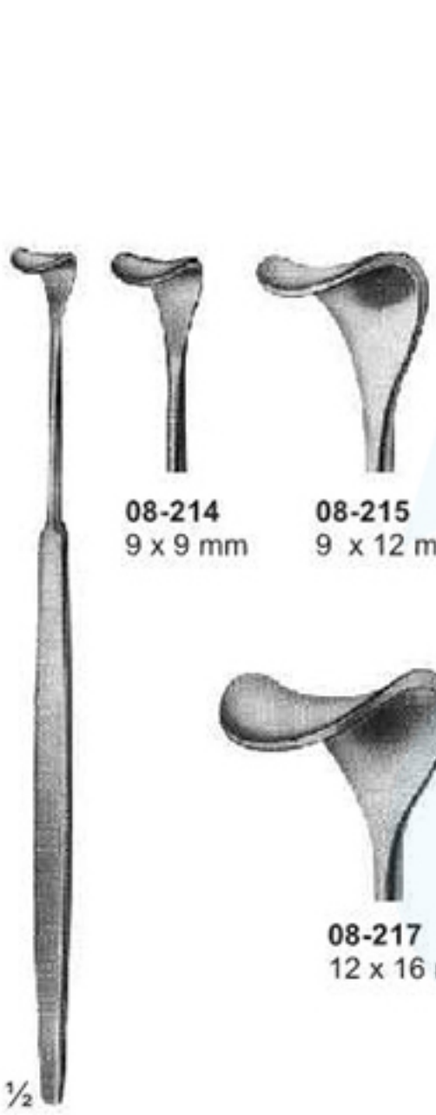
# Retractors



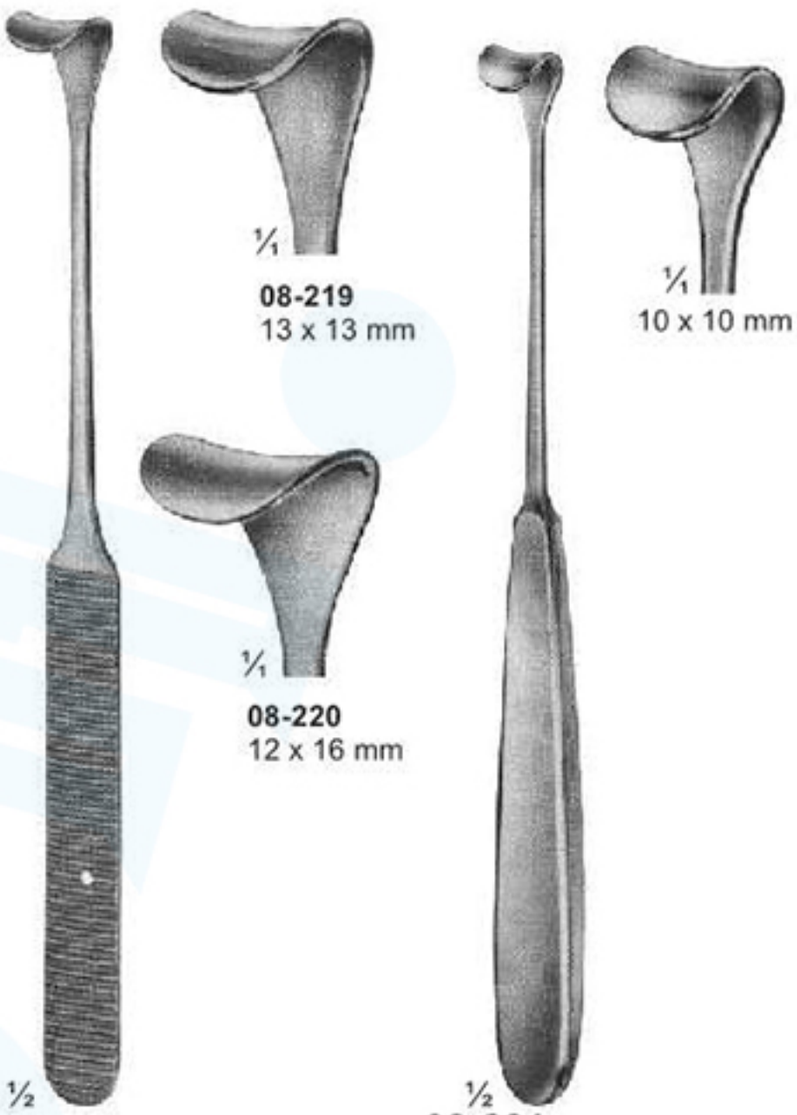
**08-212**
MASING
140 mm



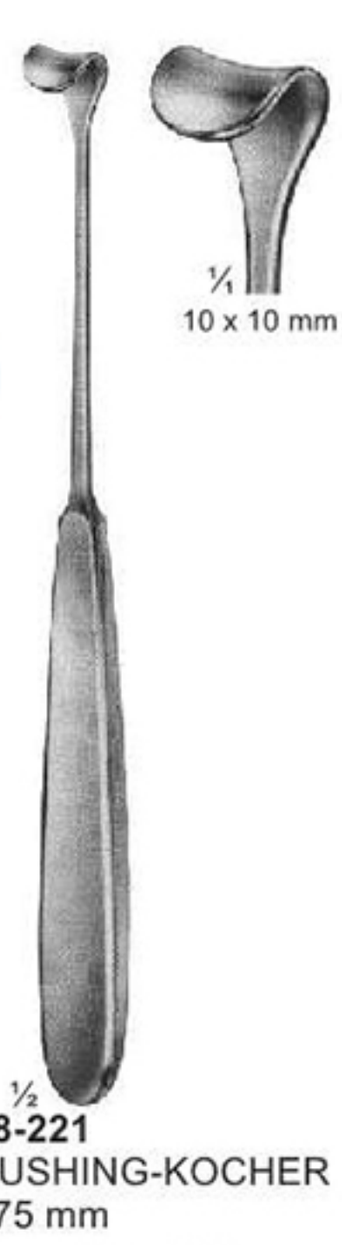
**08-213**
COTTLE
140 mm



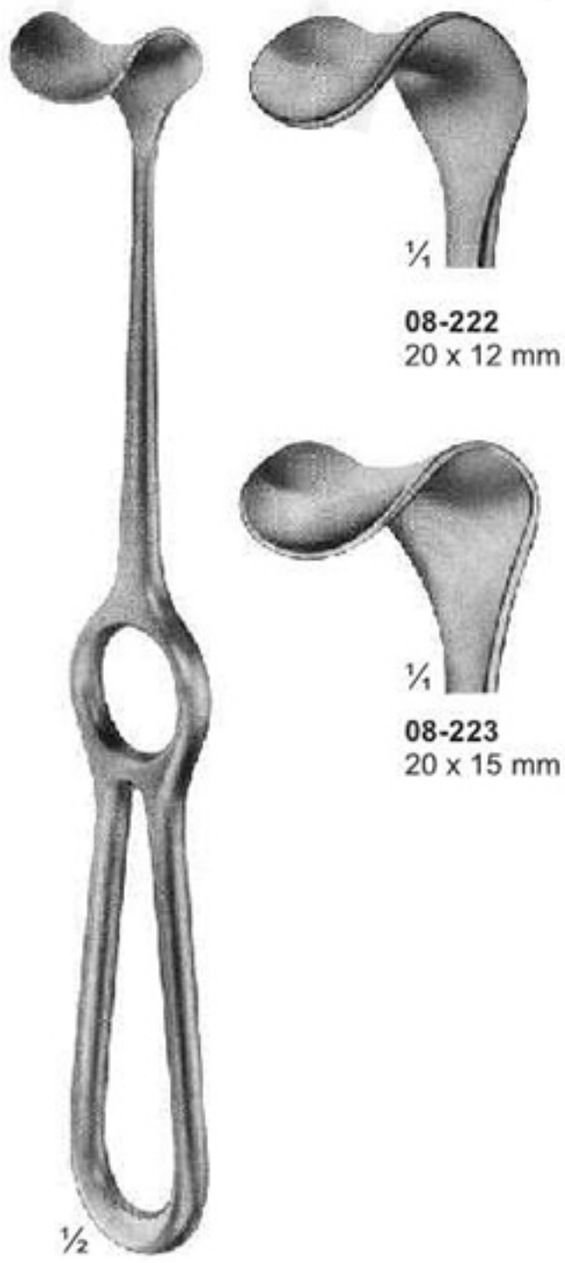
**08-214 - 218**
DESMARRES
140 mm



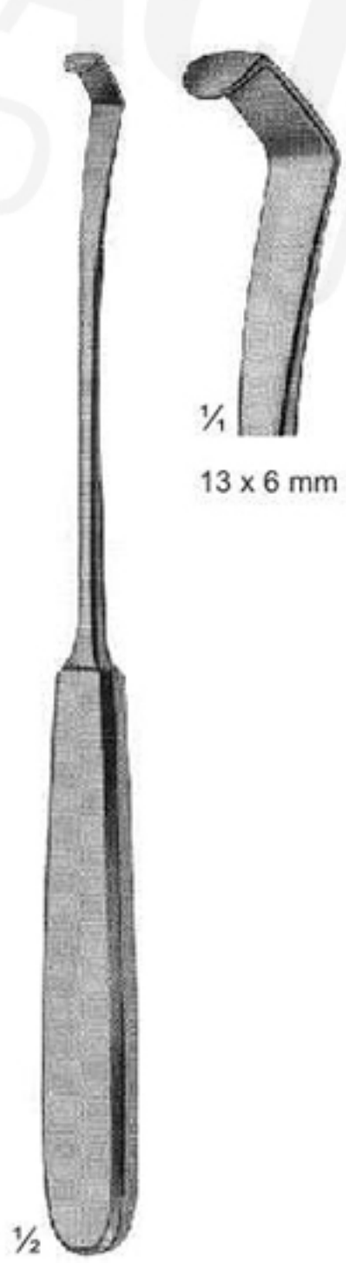
**08-219 - 220**
KONIG
180 mm



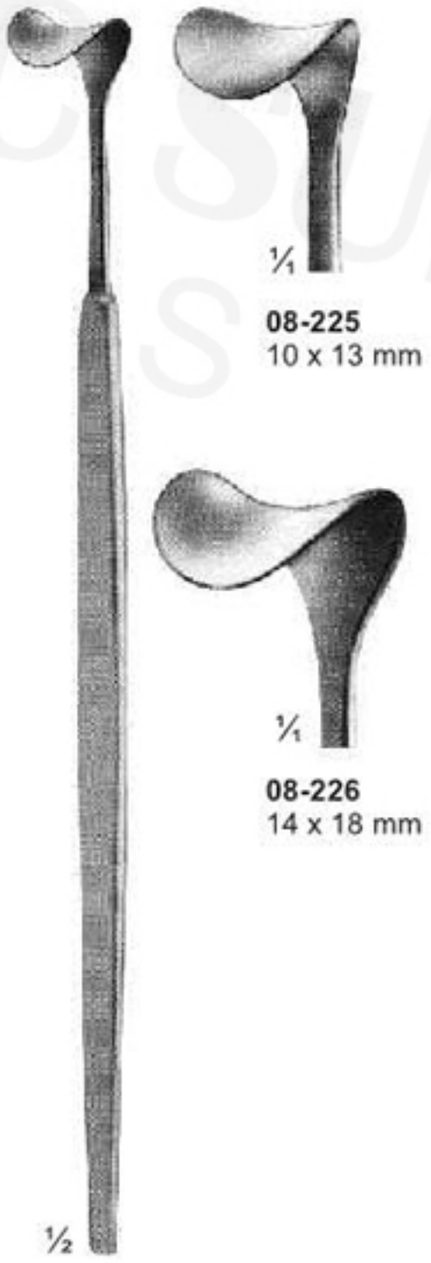
**08-221**
CUSHING-KOCHER
175 mm



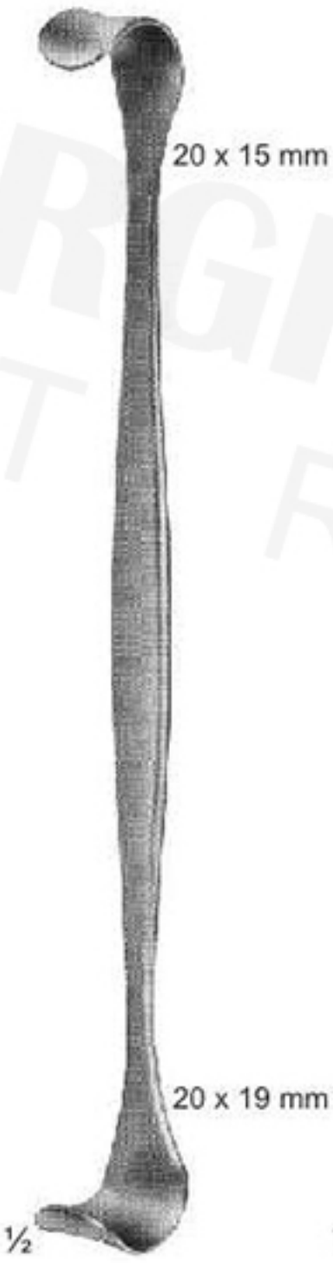
**08-222 - 223**
KOCHER
205 mm



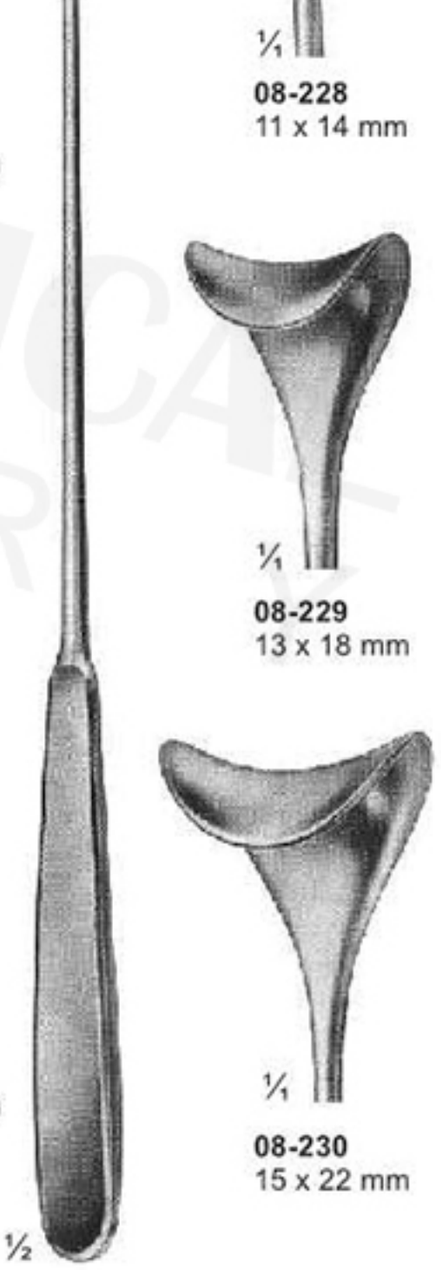
**08-224**
SCHOENBORN
200 mm



**08-225 - 226**
CUSHING
205 mm

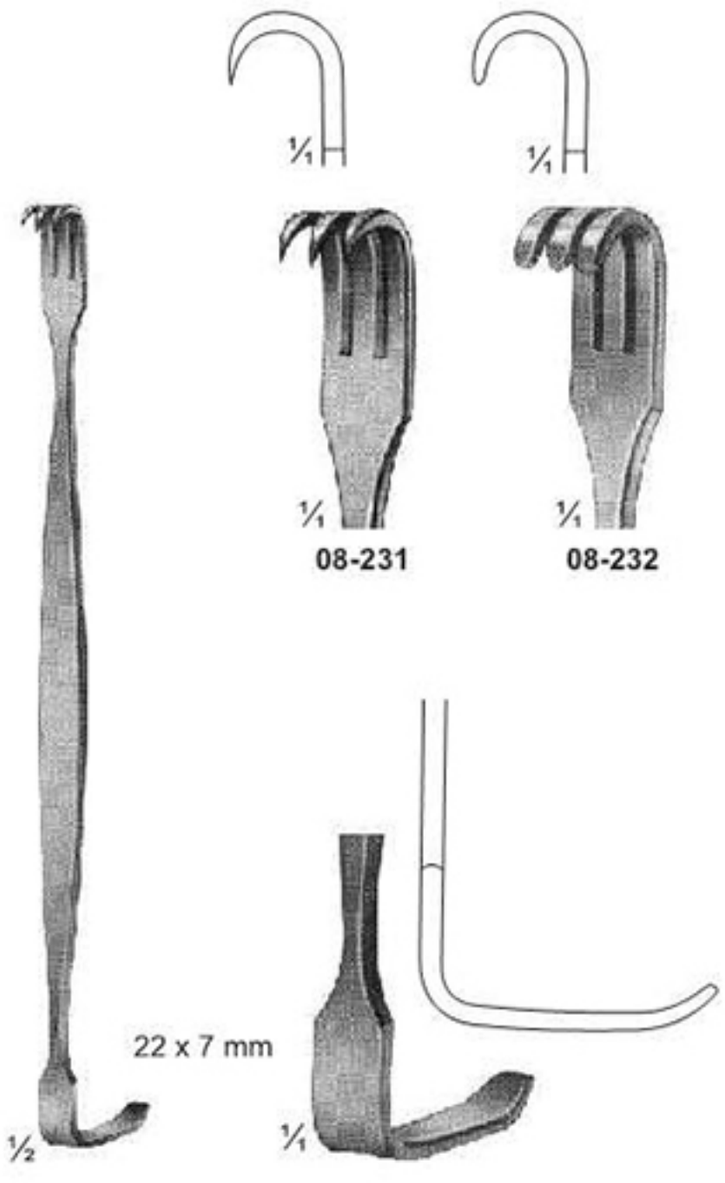


**08-227**
205 mm

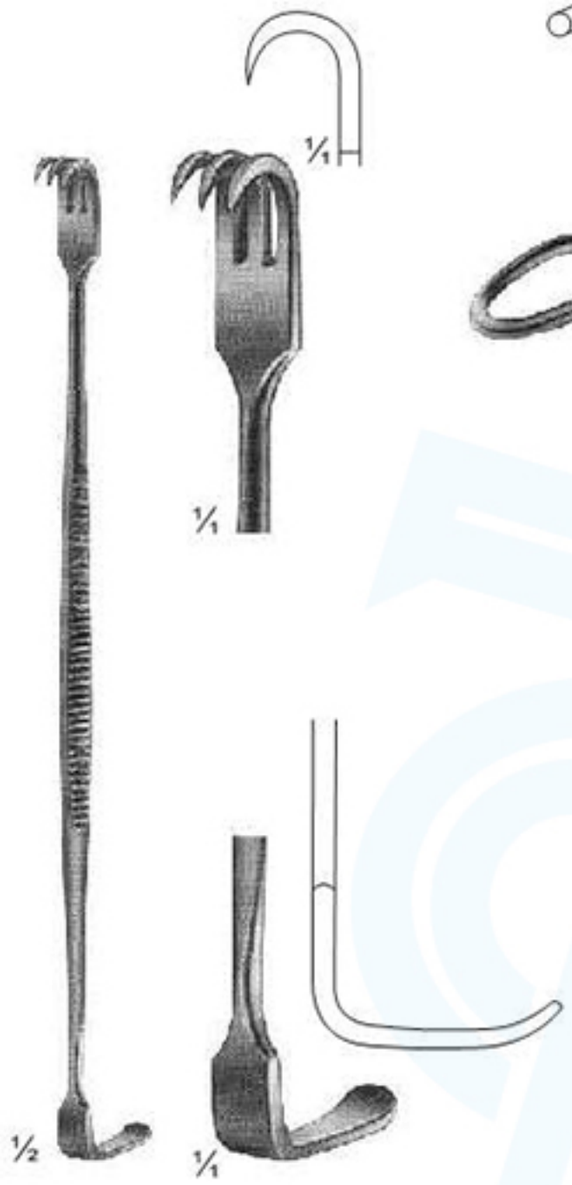


**08-228 - 230**
CUSHING
250 mm

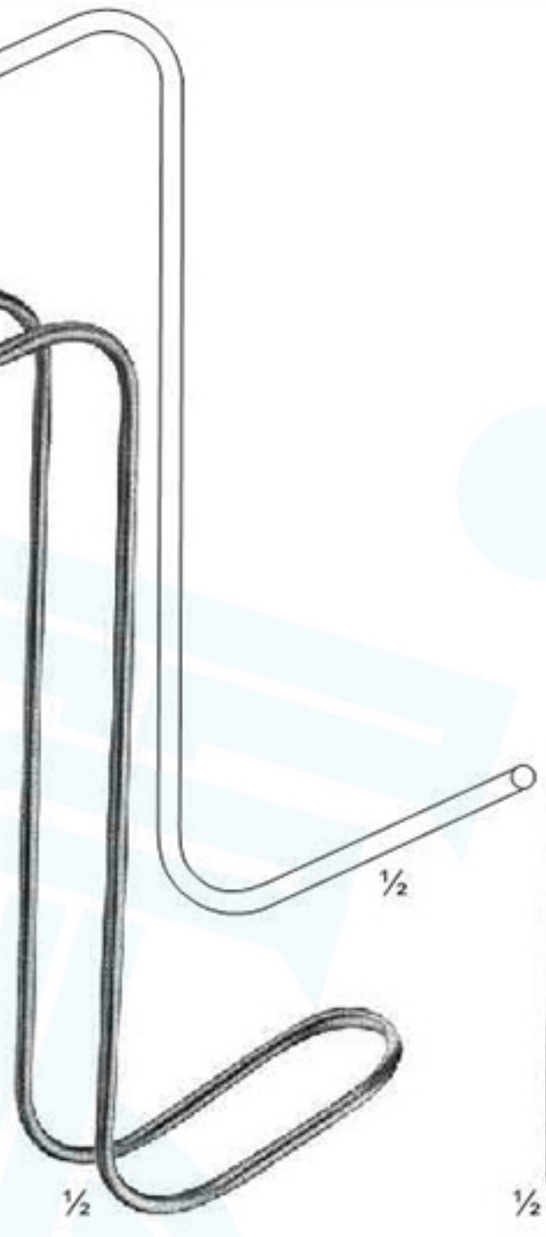
# Retractors



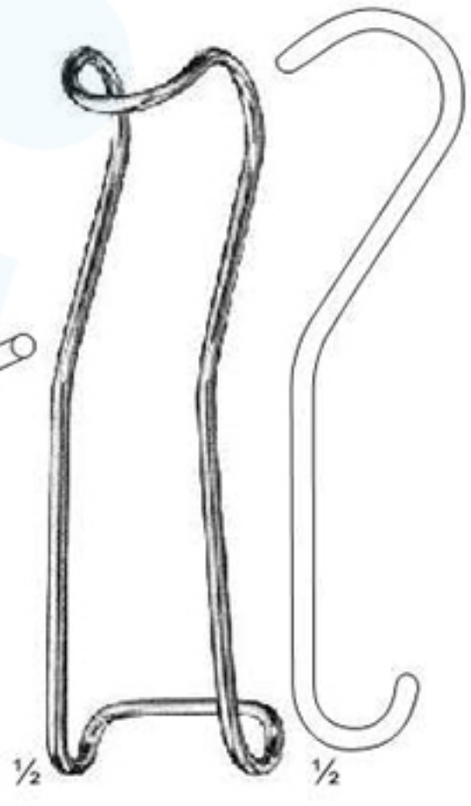

**08-231 - 232**
BABY-SENN-MILLER
155 mm



**08-233**
SENN-MILLER
165 mm



**08-234**
COLLIN-HARTMANN
150 mm



STERBERG
**08-235** 120 mm
**08-236** 130 mm
**08-237** 135 mm
**08-238** 140 mm




**08-239**
LUER
110 mm

**08-240**
ROSE
130 mm

**08-241**
BABY-ROUX
135 mm

**08-242**
PARKER
135 mm

**08-243**
CRILE
110 mm

**08-244**
FARABEUF
150 mm

**08-245**
COLLIN
150 mm

THORACIC SURGICAL INDUSTRY

# Retractors




**08-246 - 248**
ROUX
Satz/Set
165 mm




**08-246**
23 x 30 mm



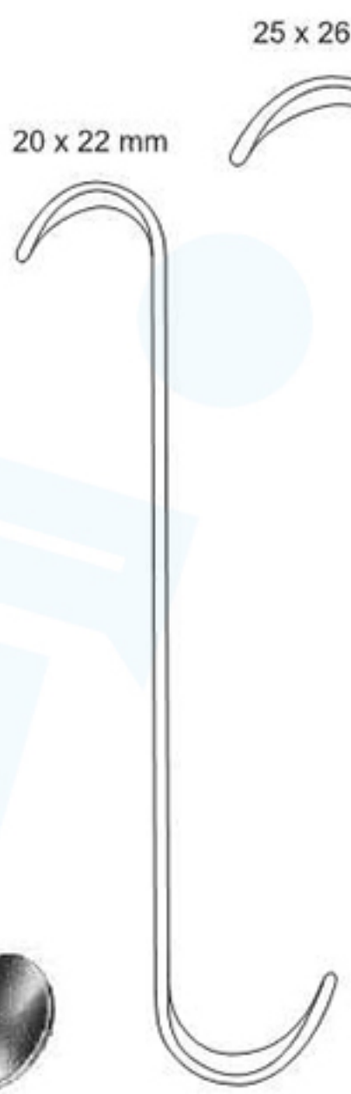

**08-247**
28 x 38 mm




**08-248**
33 x 45 mm




**08-249 - 250**
ROUX
150 mm



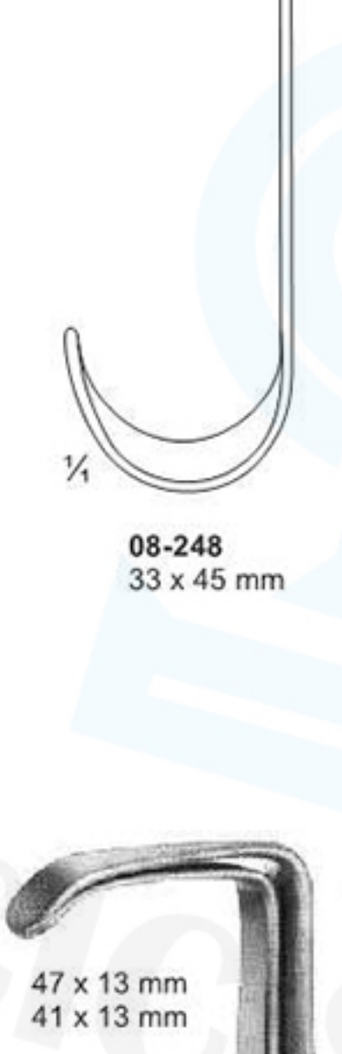

**08-249**
25 x 29 mm

**08-250**
30 x 38 mm




**08-251**
CZERNY
175 mm



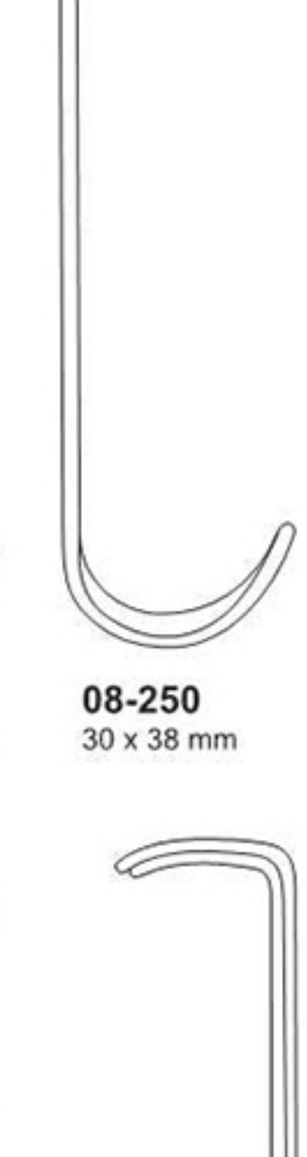







**08-252**
MATHIEU
200 mm




**08-253**
US-ARMY
220 mm

# Bone Retractors and Retractors




**08-254**
KOCHER
Sharp
205 mm




**08-255**
KOCHER
Sharp
220 mm




**08-256**
KOCHER
Blunt
220 mm

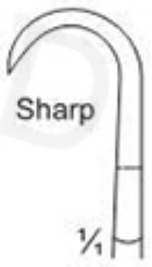


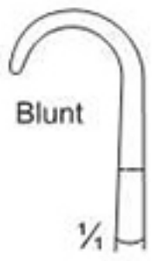

**08-257**
VOLKMANN
Sharp
220 mm




**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



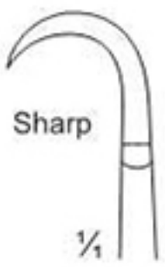
**08-265**
8,5 x 19 mm

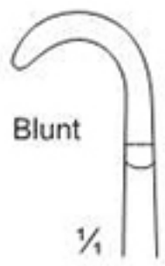



**08-266**
8,5 x 29 mm

# Retractors









**08-267 - 280**
VOLKMANN
220 mm



**08-267**
9 x 8 mm



**08-268**
9 x 13 mm



**08-269**
9 x 19 mm



**08-270**
9 x 29 mm



**08-271**
9 x 40 mm



**08-272**
8 x 8 mm



**08-273**
8 x 13 mm



**08-274**
8 x 19 mm



**08-275**
8 x 29 mm



**08-276**
8 x 40 mm



**08-277**
8,5 x 8 mm



**08-278**
8,5 x 13 mm

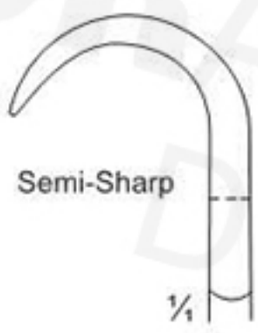


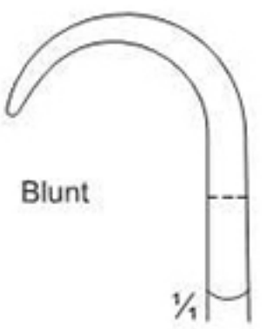
**08-279**
8,5 x 19 mm



**08-280**
8,5 x 29 mm






**08-281 - 288**
KOCHER
220 mm



**08-281**
16 x 9 mm



**08-282**
16 x 14 mm



**08-283**
16 x 20 mm



**08-284**
16 x 30 mm



**08-285**
15,5 x 9 mm



**08-286**
15,5 x 14 mm



**08-287**
15,5 x 20 mm



**08-288**
15,5 x 30 mm

# Retractors, Deep form



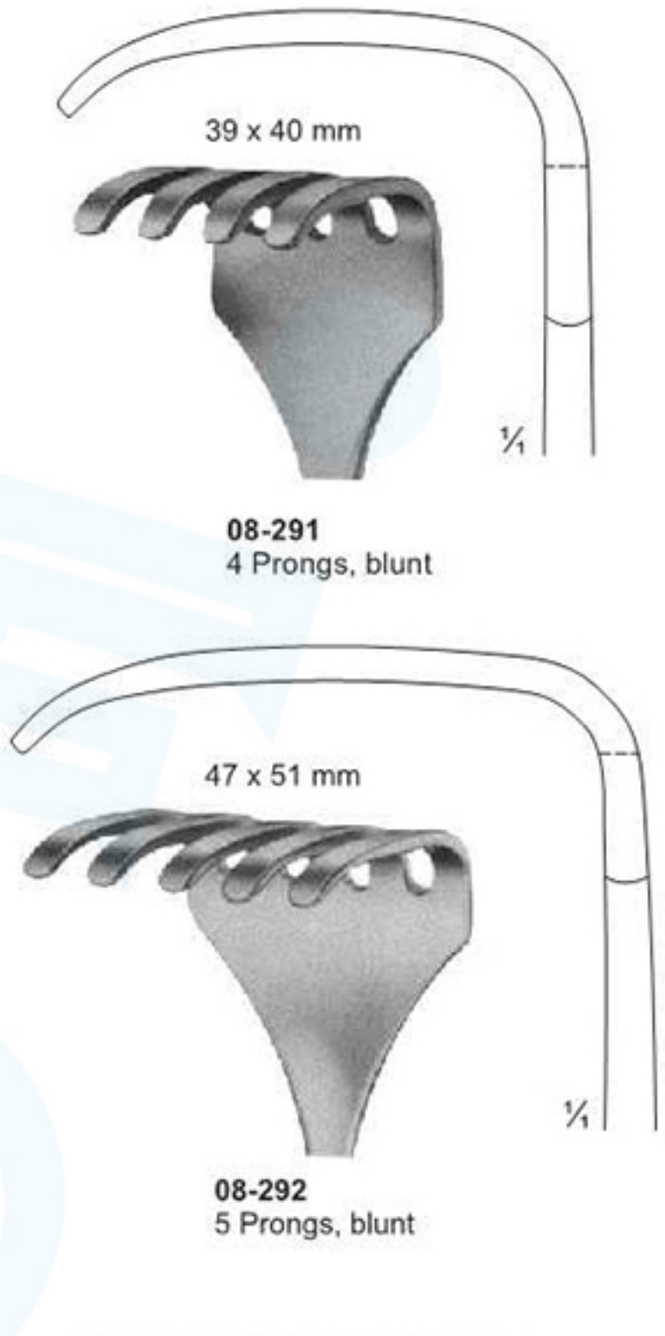

**08-289**
8 Prongs, blunt

**08-290**
8 Prongs, sharp

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



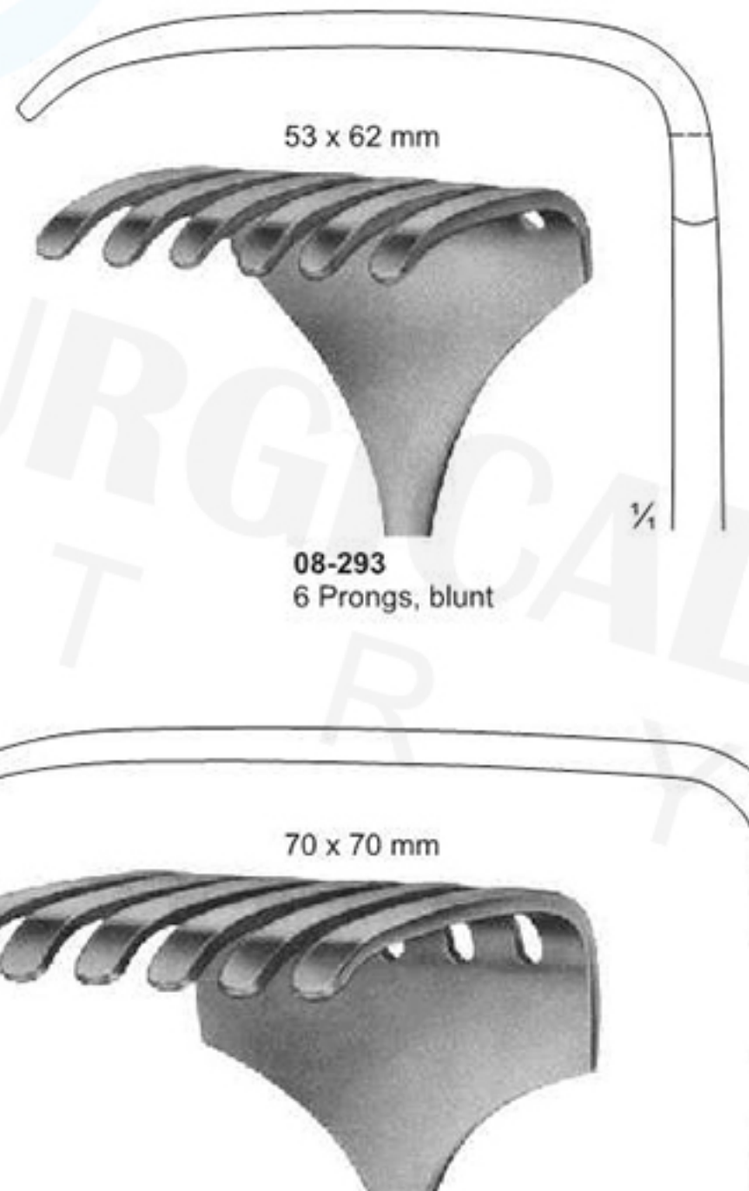

**08-291 - 294**
ISRAEL
255 mm



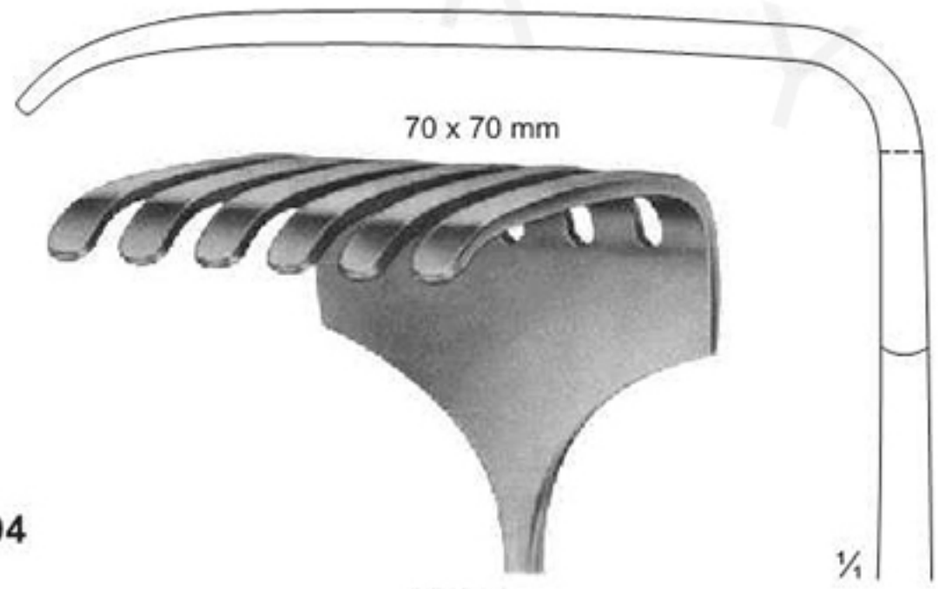

**08-291**
4 Prongs, blunt



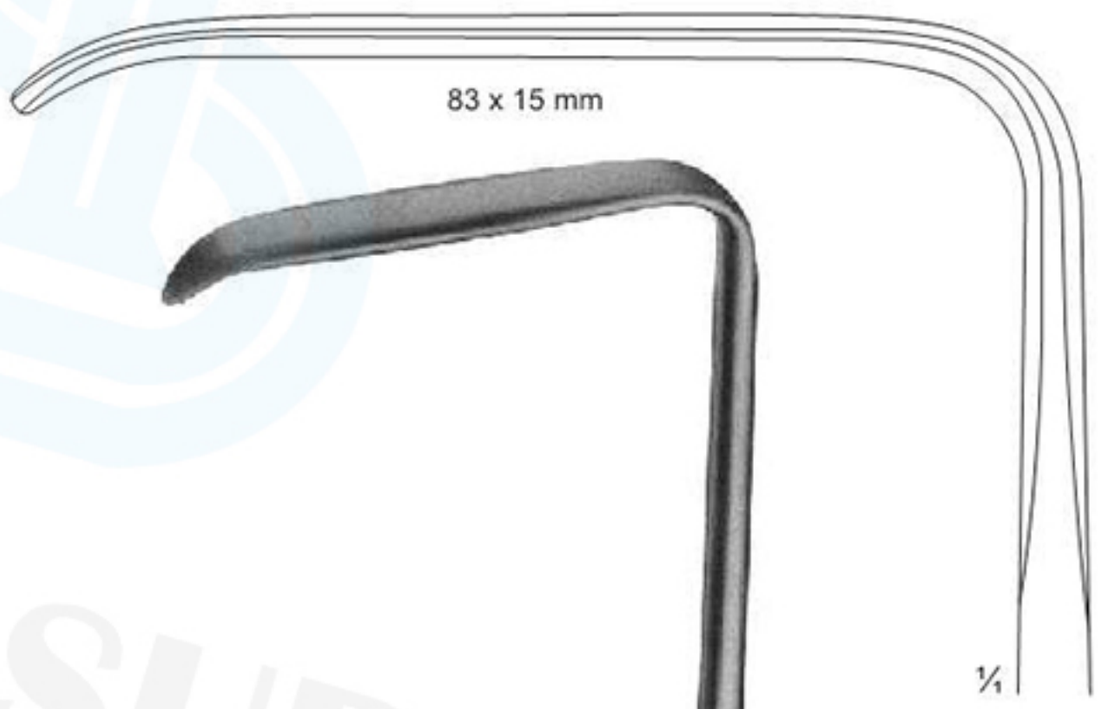

**08-292**
5 Prongs, blunt




**08-293**
6 Prongs, blunt




**08-294**
6 Prongs, blunt










**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 |

**08-301 - 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 |

**08-308**
LANGENBECK
215 mm

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# Retractors



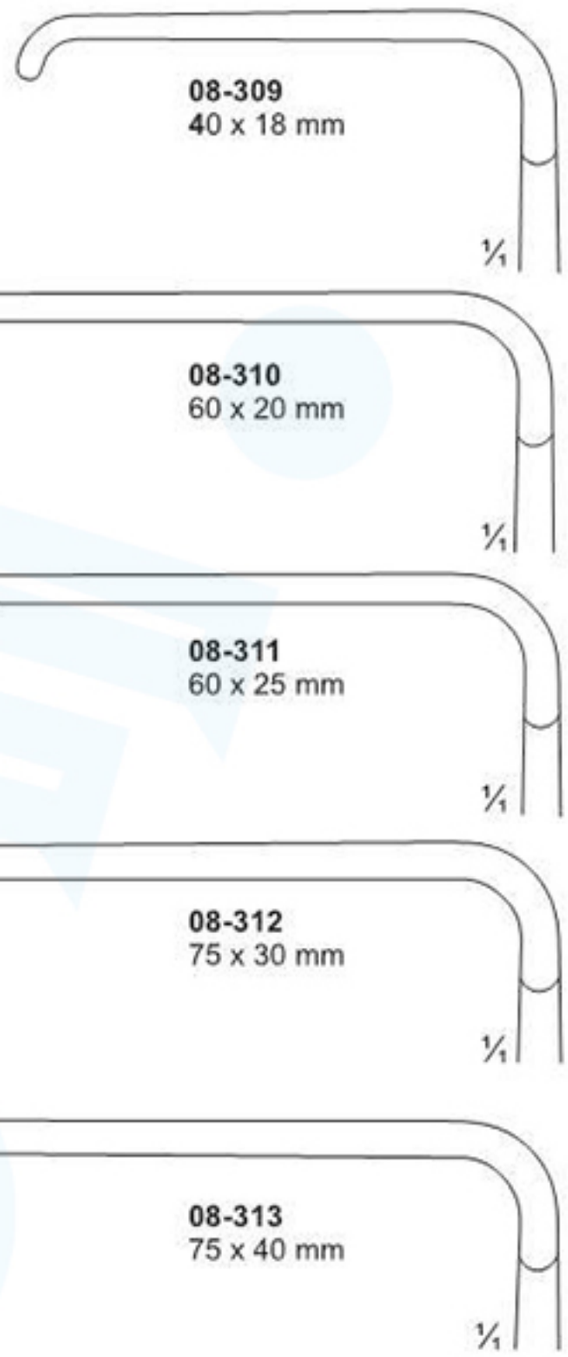
½

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



½

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



**08-309**
40 x 18 mm

1/1

**08-310**
60 x 20 mm

1/1

**08-311**
60 x 25 mm

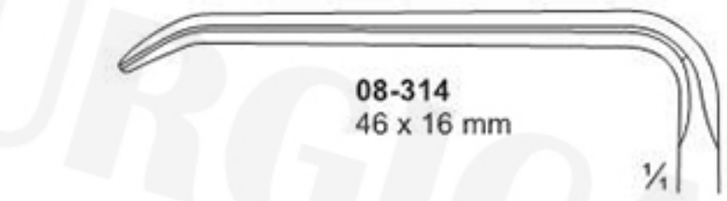
1/1

**08-312**
75 x 30 mm

1/1

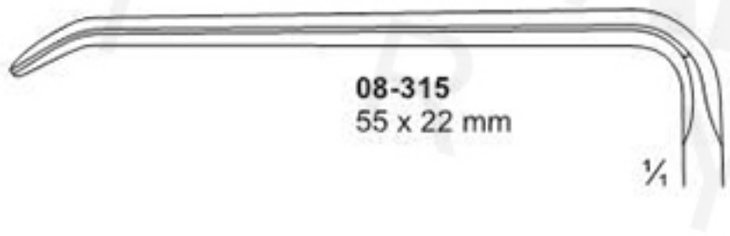
**08-313**
75 x 40 mm

1/1



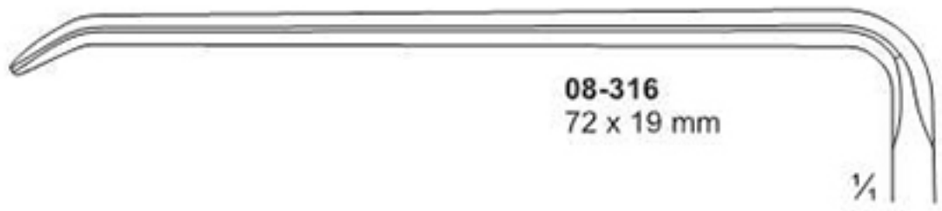
**08-314**
46 x 16 mm

1/1



**08-315**
55 x 22 mm

1/1



**08-316**
72 x 19 mm

1/1

THORACIC SURGICAL INDUSTRY

# Retractors




**08-317 - 319**
MIDDELDORPF




**08-317**
15 x 15 mm
220 mm







**08-318**
20 x 22 mm
215 mm







**08-319**
28 x 28 mm
235 mm







**08-320**
BUCHS
205 mm




38 x 18 mm



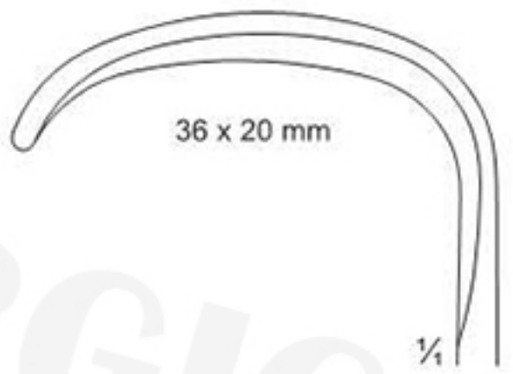




**08-321**
CASPAR
210 mm



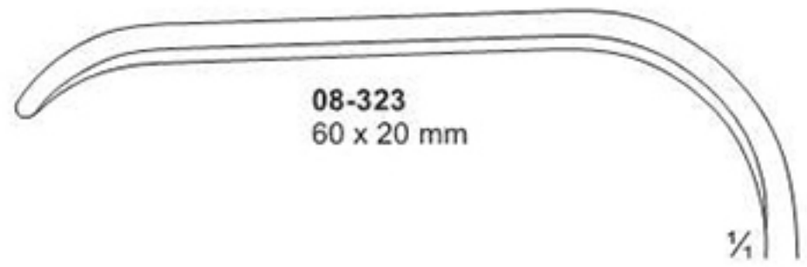

**08-322**
KOCHER
230 mm



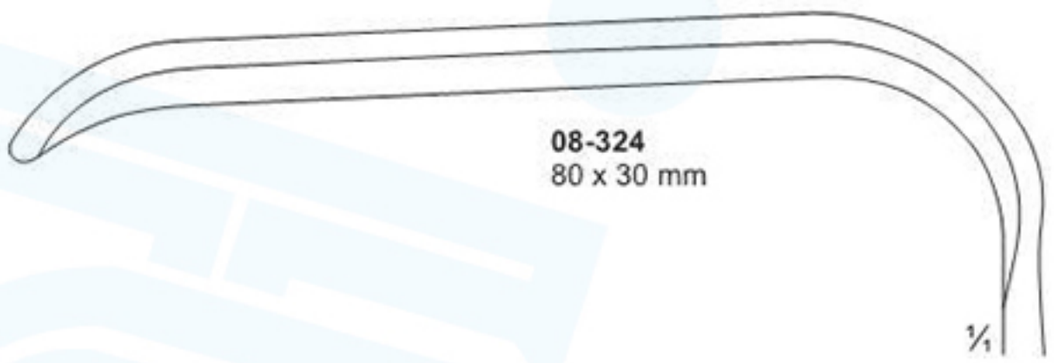
# Retractors



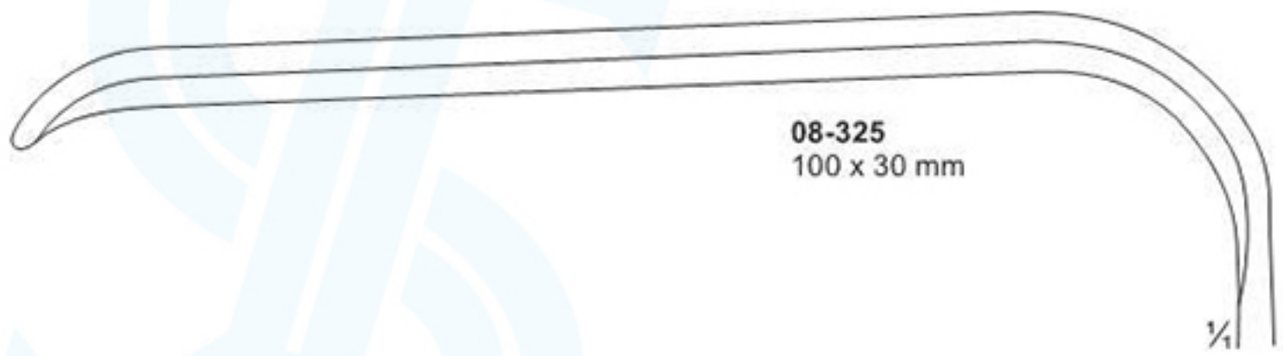

**08-323 - 328**
HOSEL
250 mm




**08-323**
60 x 20 mm



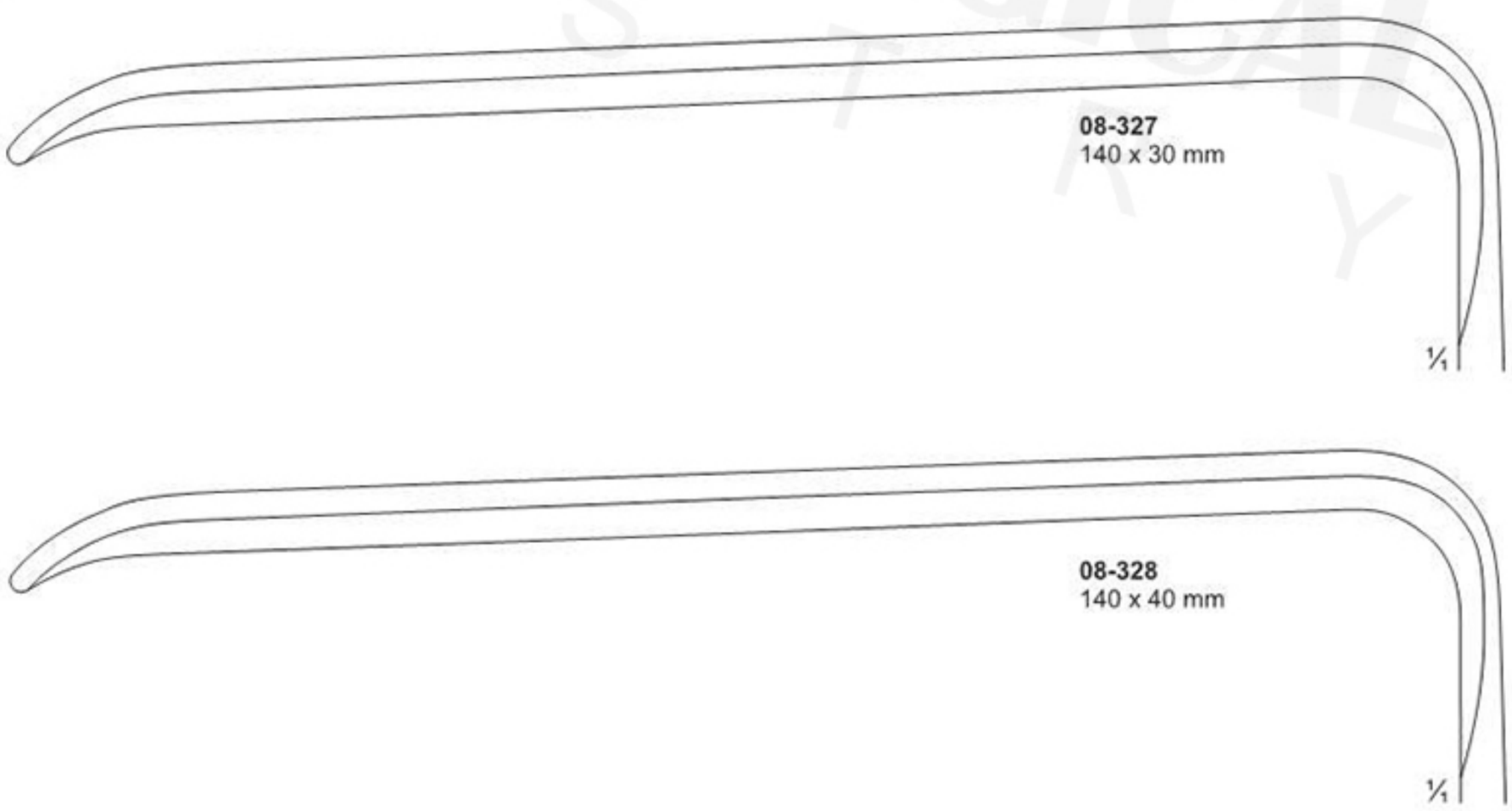

**08-324**
80 x 30 mm




**08-325**
100 x 30 mm




**08-326**
120 x 30 mm



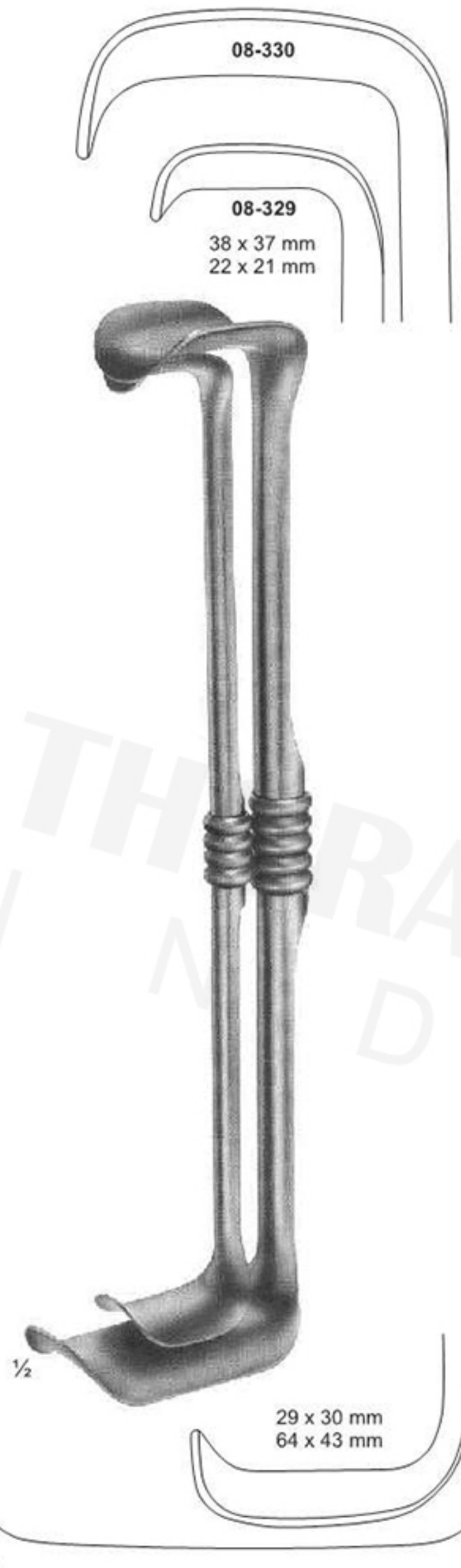

**08-327**
140 x 30 mm




**08-328**
140 x 40 mm

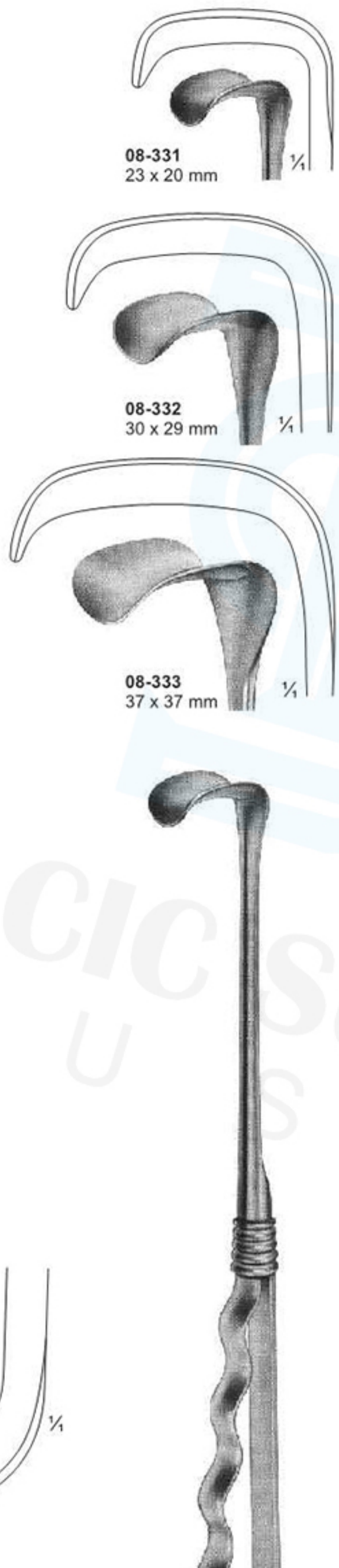
THORACIC SURGICAL INDUSTRY

# Retractors




**08-329 - 230**
RICHARDSON-EASTMAN
Set-250 mm

**08-329** 250 mm
**08-330** 270 mm




**08-331 - 333**
RICHARDSON
240 mm




**08-334**
RICHARDSON
240 mm

THORACIC SURGICAL INDUSTRY




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




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

THORACIC SURGICAL INDUSTRY

# Retractors For Deep Surgery




**08-340 - 342**
MEYERDING
260 mm

THORACIC SURGICAL INDUSTRY

# Retractors For Deep Surgery




**08-343**
MODELL TUBINGEN
265 mm

**08-344**
MARTIN
250 mm

**08-345**
SIMON
275 mm

**08-346**
SIMON
275 mm

THORACIC SURGICAL INDUSTRY

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



**08-347** 80 x 20 mm

1/1



**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 |

1/2



**08-354**
Handle with cold light carrier for retractor blades.
280 mm

1/2



Handle arrangement verriable

THORACIC SURGICAL INDUST

# Retractors, Lung Spatulas




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



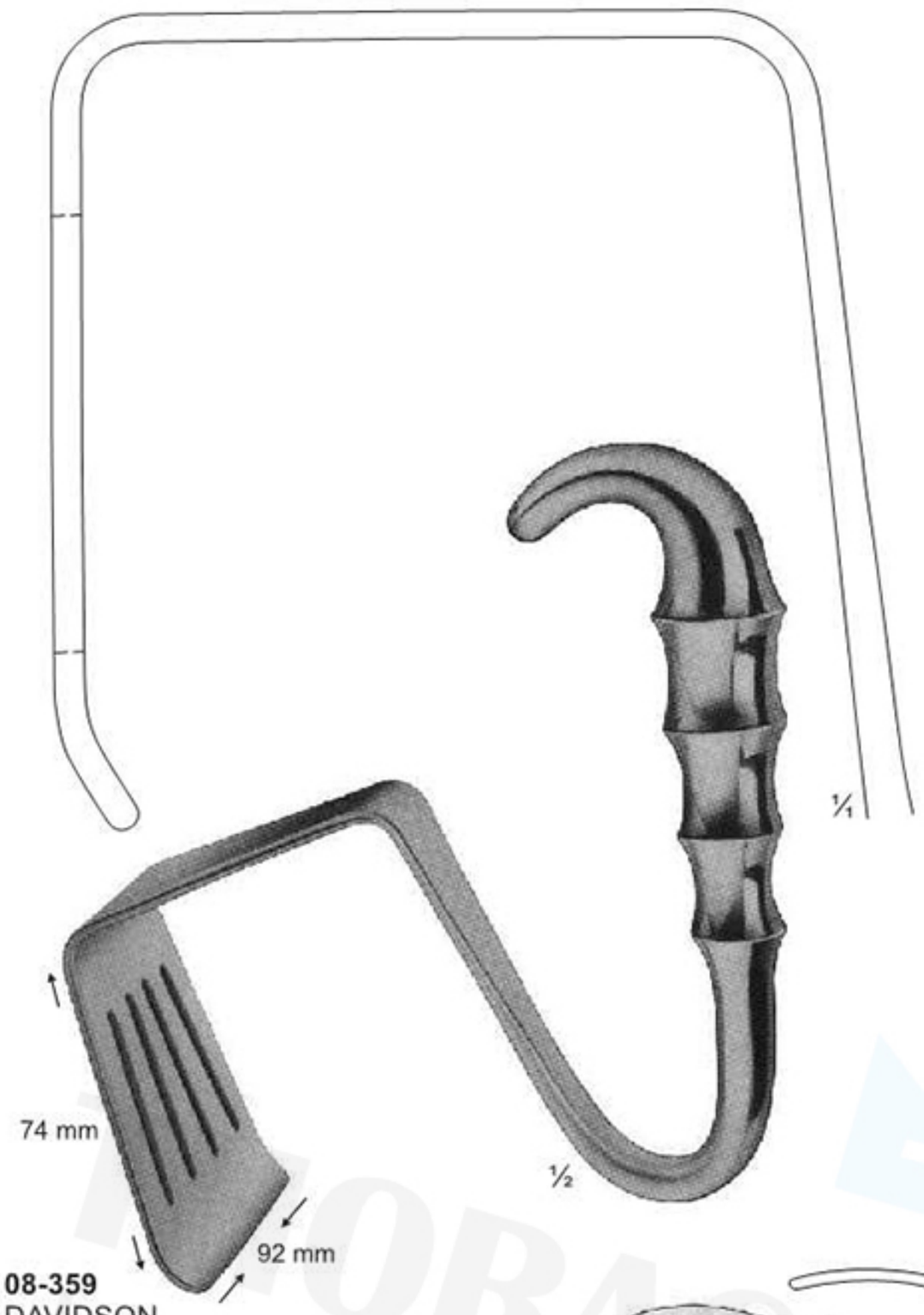

**08-357**
ALLISON
255 mm



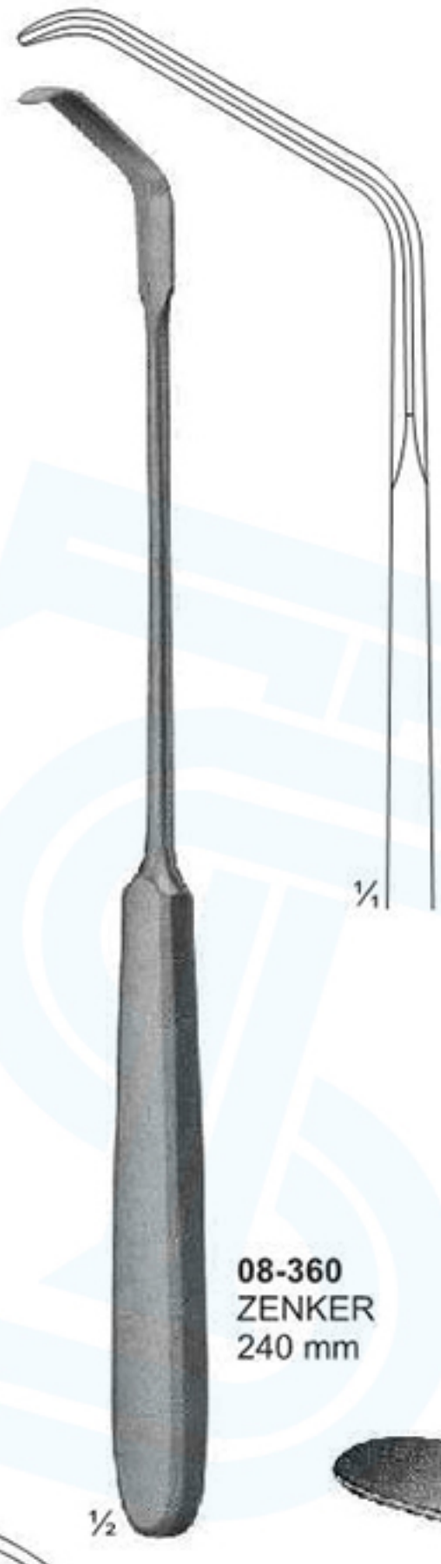

**08-358**
ALLISON
320 mm

THORACIC SURGICAL INSTRUMENTS

# Retractors, Lung Spatulas

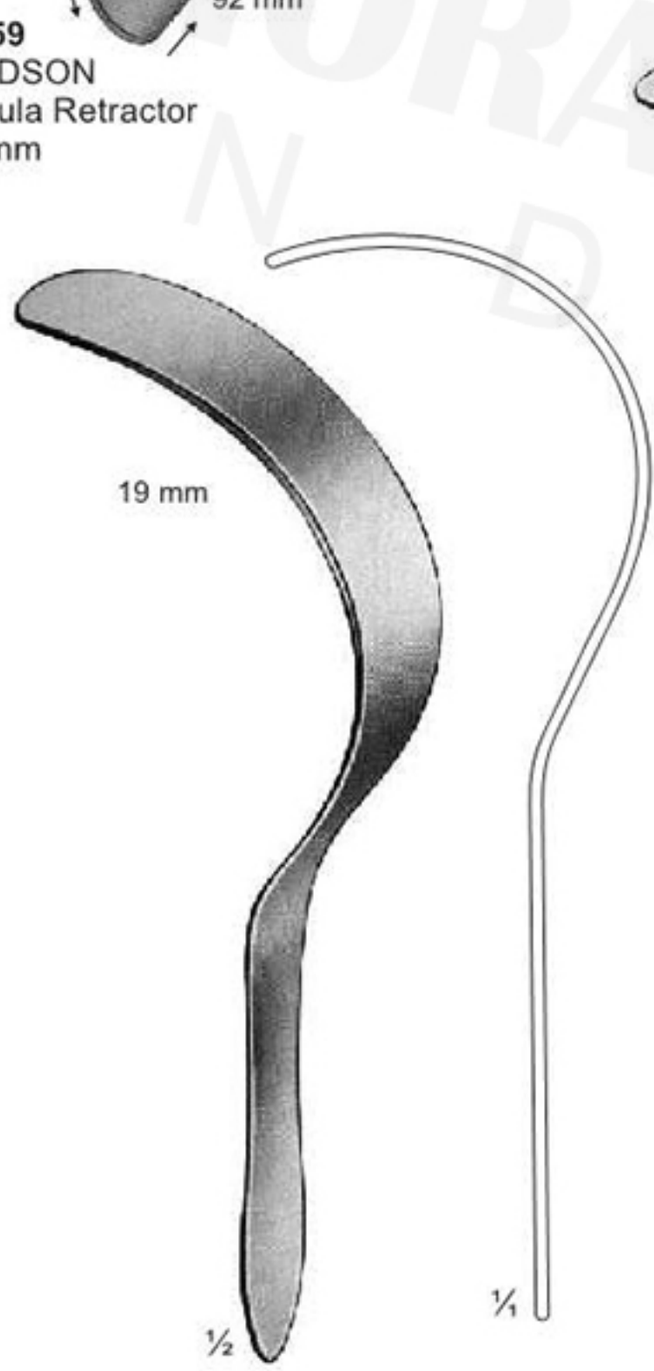



**08-359**
DAVIDSON
Scapula Retractor
195 mm

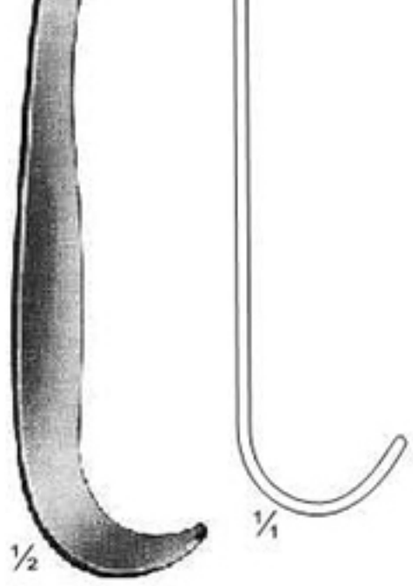



**08-360**
ZENKER
240 mm

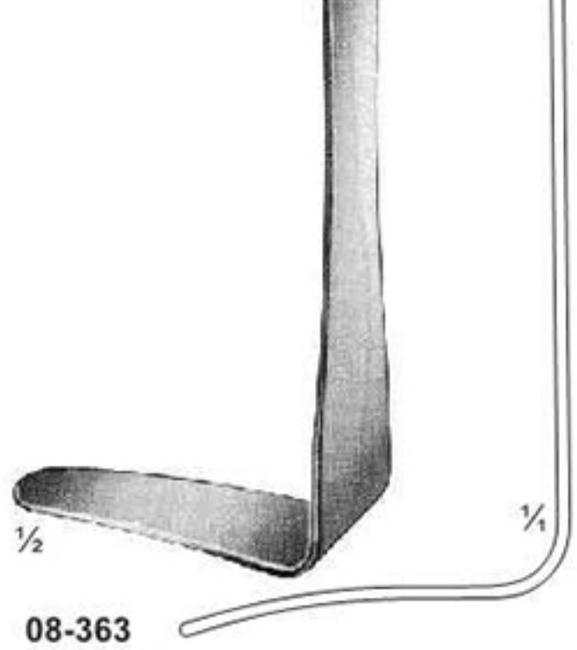



**08-361**
DEAVER
180 mm
Fig. 000




**08-362**
DEAVER
215 mm
Fig. 00




**08-363**
DEAVER
235 mm
Fig. 0




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

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

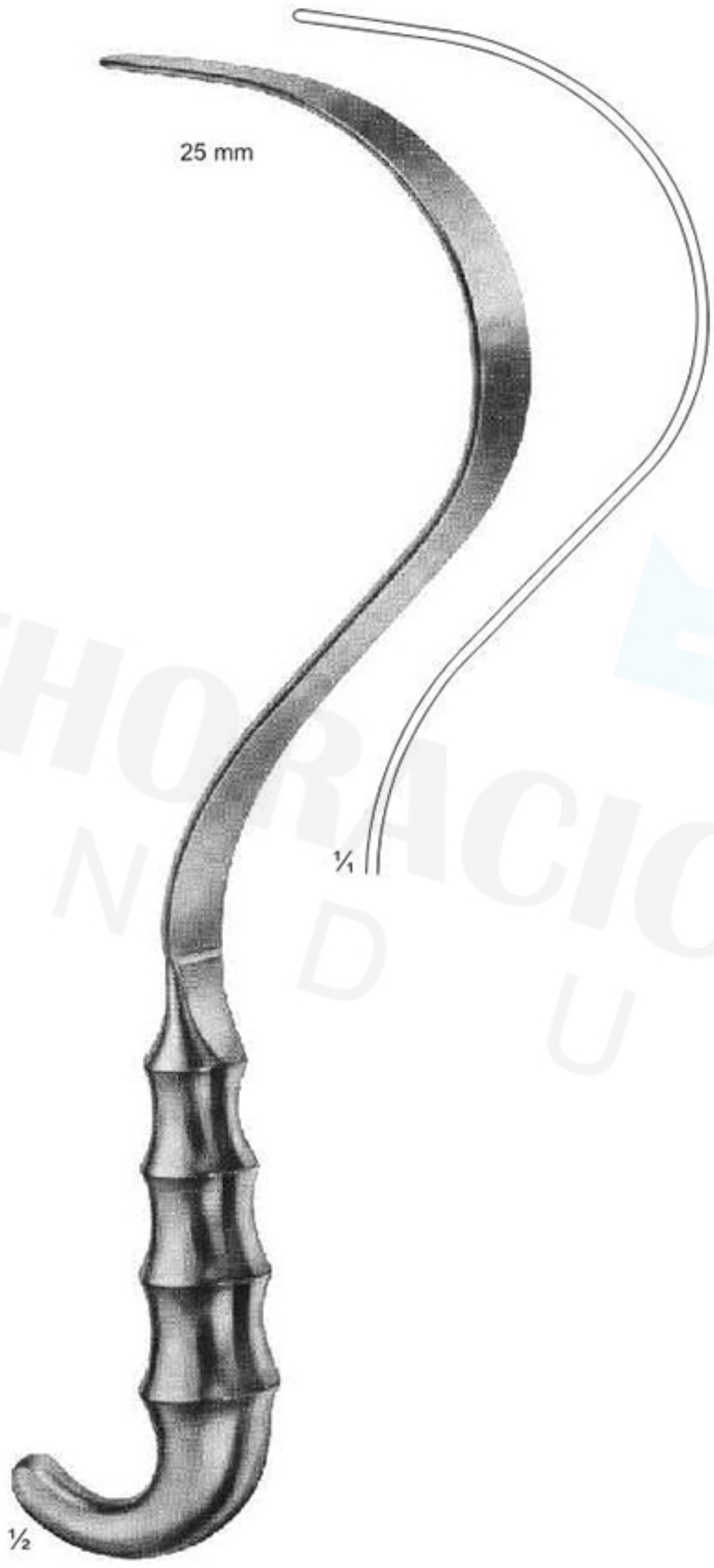
**08-366**
DEAVER
365 mm
Fig. 2




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

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

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




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




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

THORACIC SURGICAL INDUSTRY



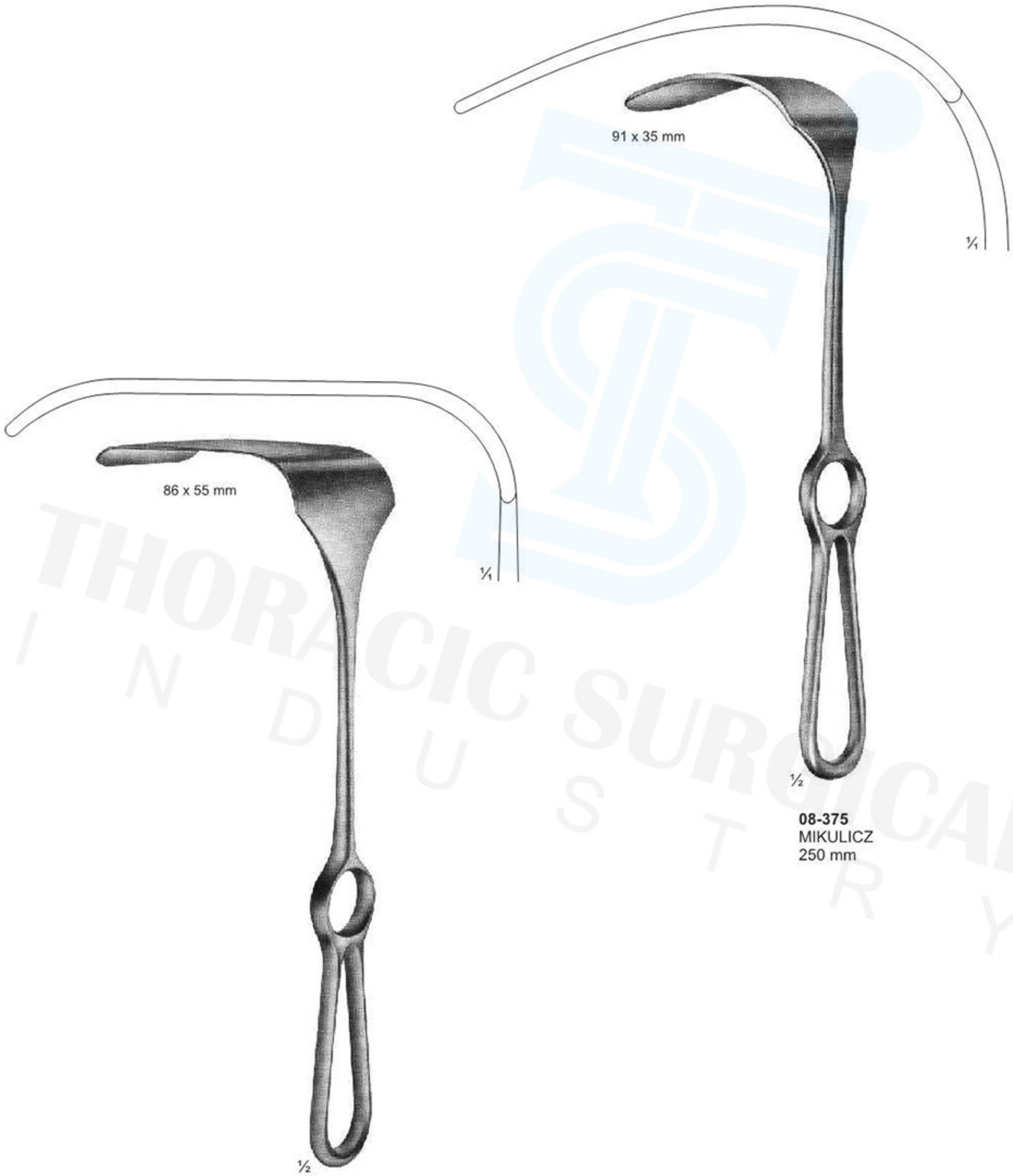

**08-372**
DEAVER
305 mm
Fig. 3




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

THORACIC SURGICAL INDUSTRY

# Retractors For Deep Surgery (Abdominal Retractors)

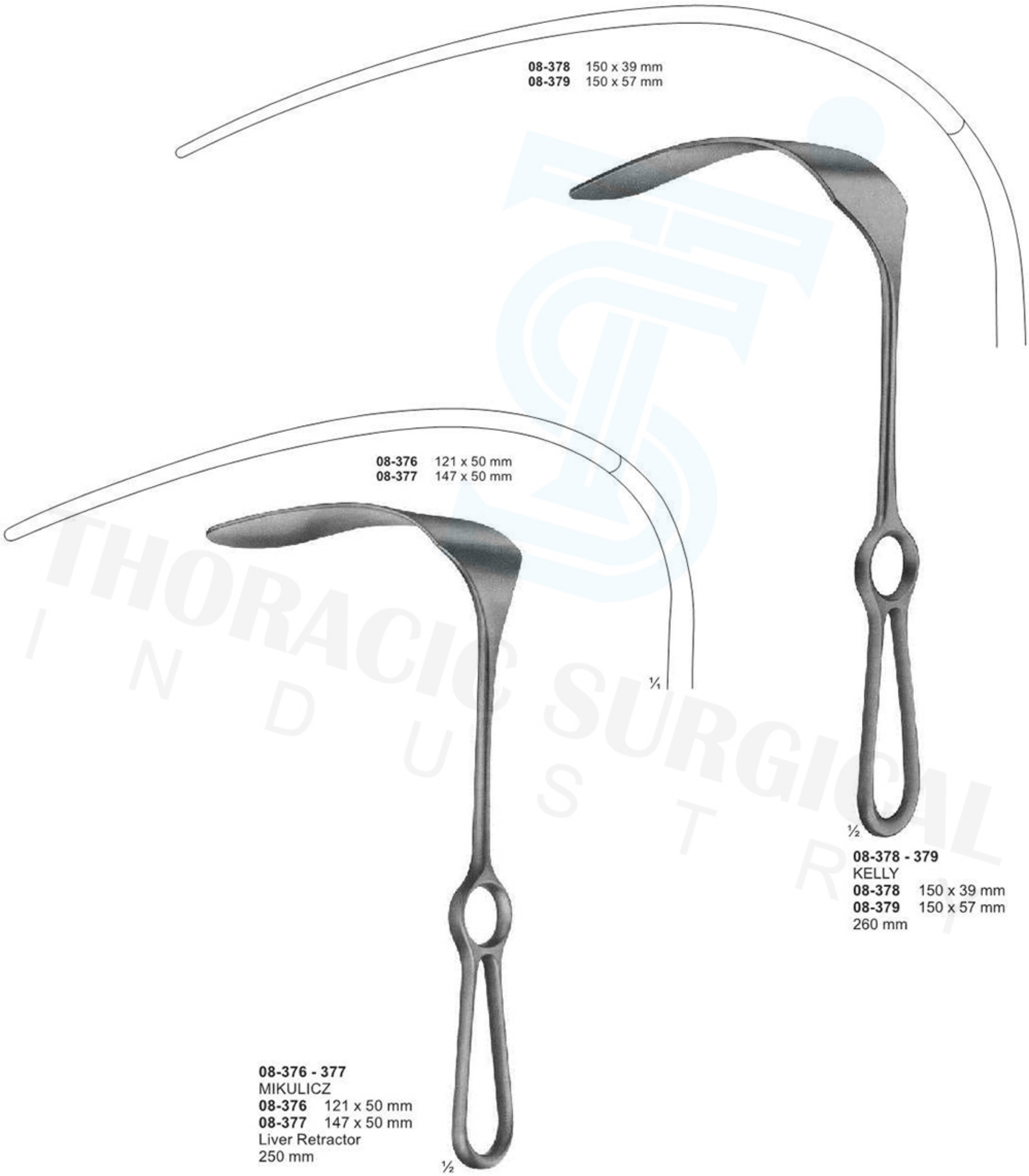



**08-375**
MIKULICZ
250 mm

**08-374**
MIKULICZ
255 mm

THORACIC SURGICAL INDUSTRY

# Retractors For Deep Surgery (Abdominal Retractors)

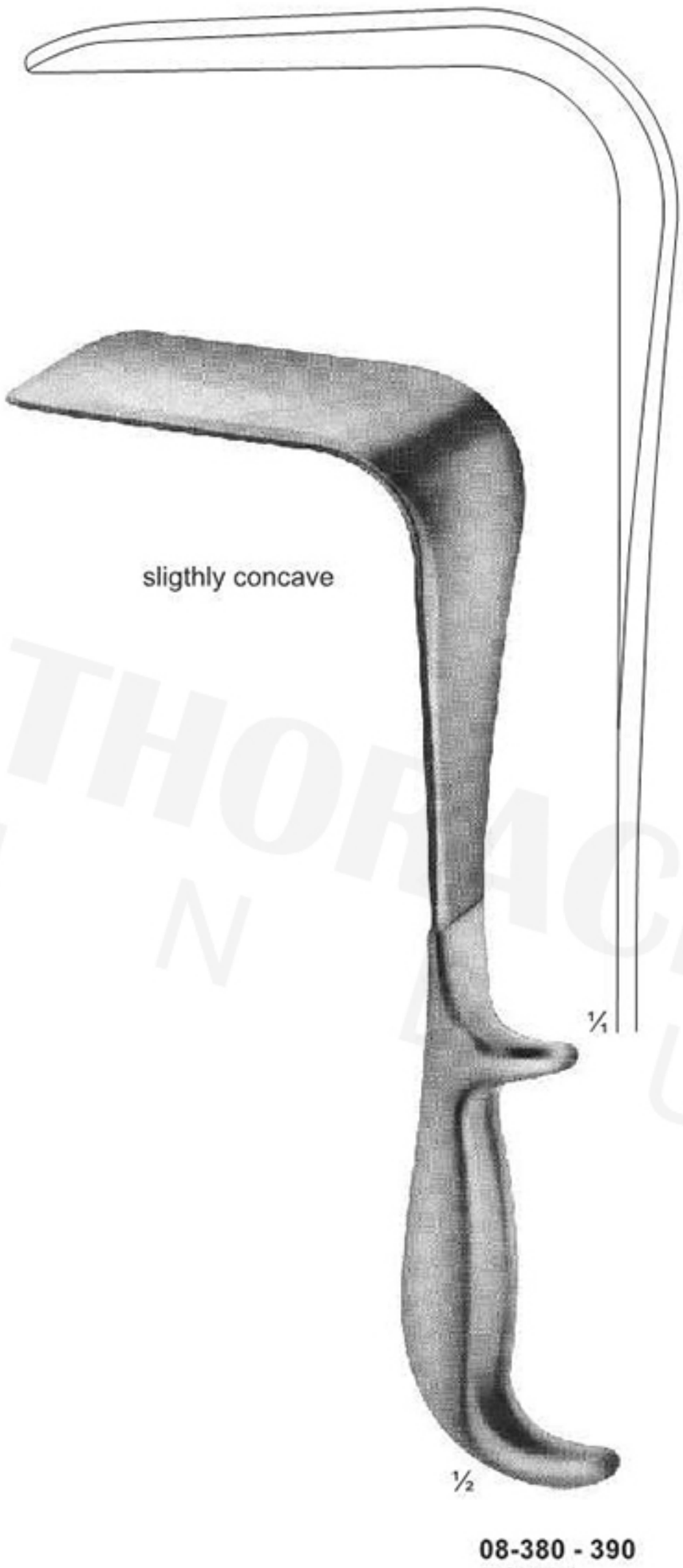


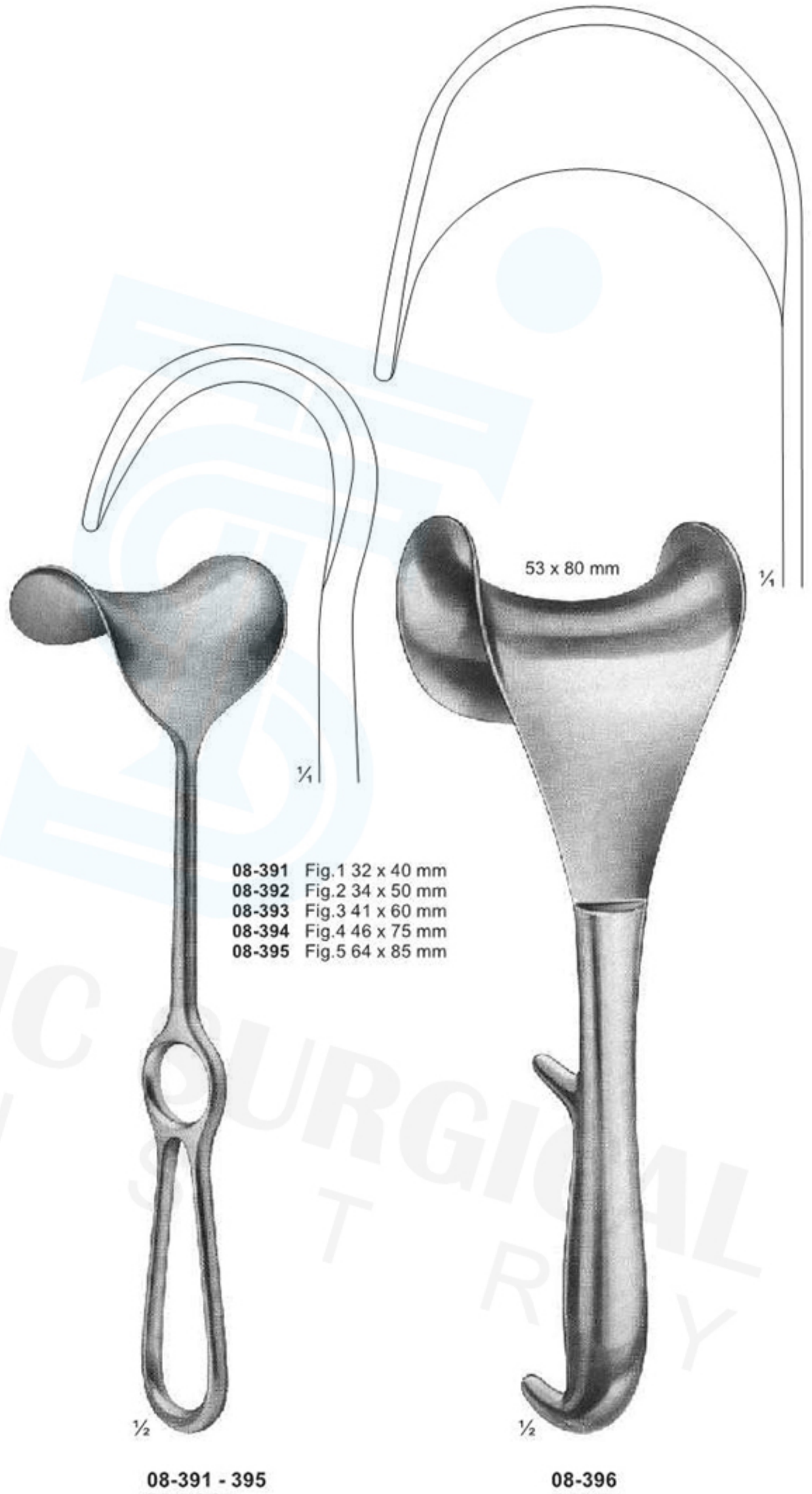

**08-376 - 377**
MIKULICZ
**08-376** 121 x 50 mm
**08-377** 147 x 50 mm
Liver Retractor
250 mm

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

THORACIC SURGICAL INDUSTRIES

# Retractors, Abdominal Retractors




**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




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

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

**08-396**
DOYEN
250 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** |

THORACIC SURGICAL INSTRUMENTS

# 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



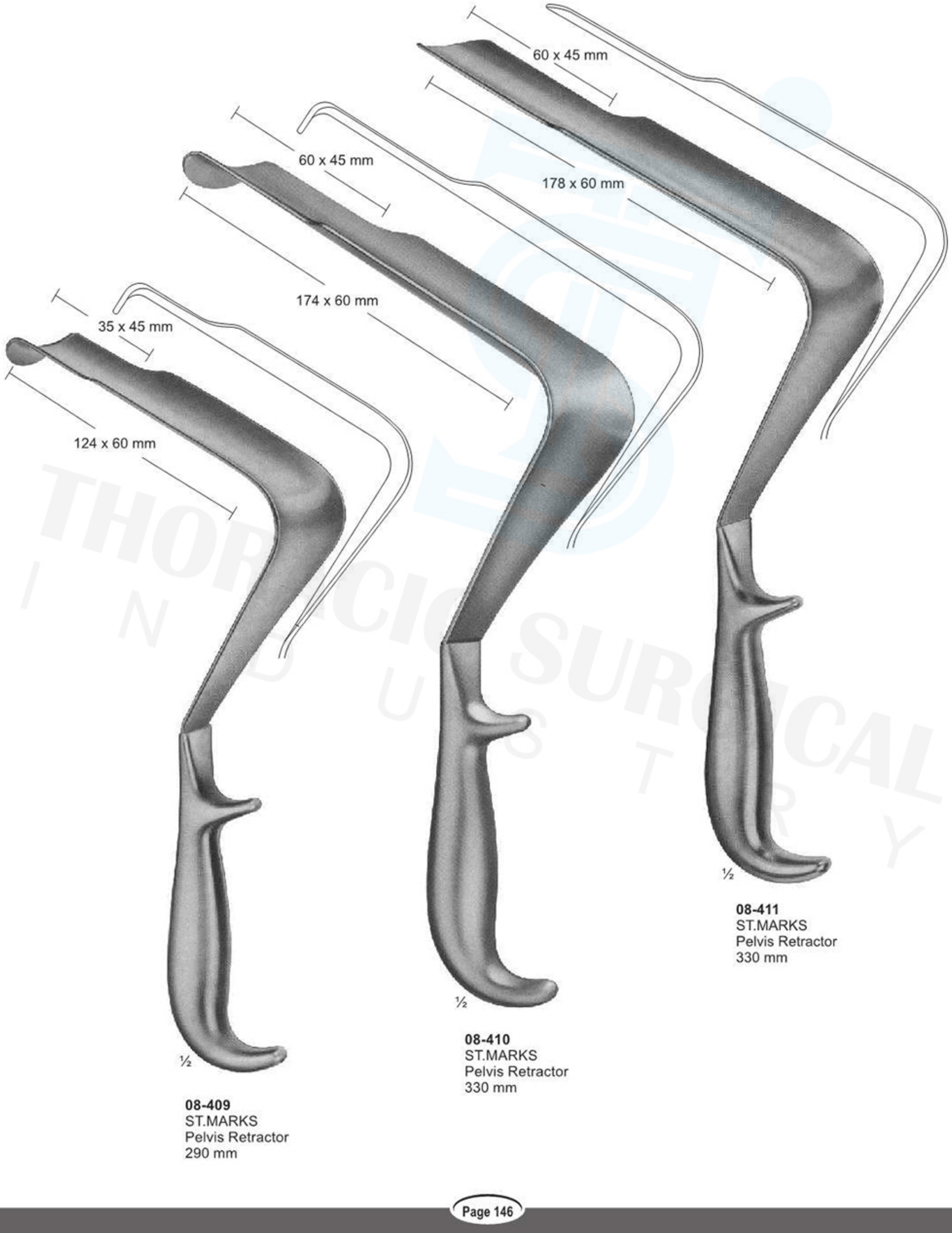

**08-407**
DOYEN-CHILD
Fixation device
220 mm





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

# Pelvis Retractors




**08-409**
ST.MARKS
Pelvis Retractor
290 mm

**08-410**
ST.MARKS
Pelvis Retractor
330 mm

**08-411**
ST.MARKS
Pelvis Retractor
330 mm

THORACIC SURGICAL INSTRUMENTS

# 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

THORACIC SURGICAL INSTRUMENTS

# Abdominal- and Intestinal Spatulas




45 mm

**08-417**
REVERDIN
285 mm




50 mm

**08-418**
HABERER
Malleable
305 mm



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




25 mm

**08-422**
TUFFIER
Melleable
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



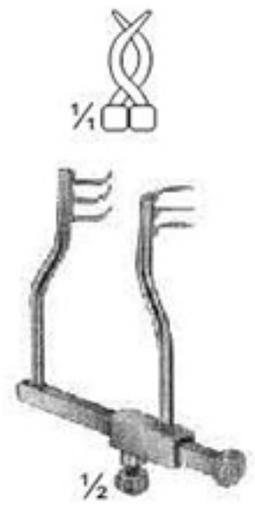
**08-431**



**08-432**



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



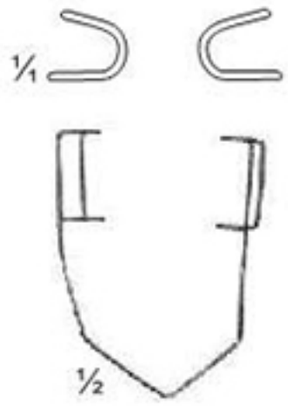
**08-433**
LOGAN
modif. REILL
50 mm



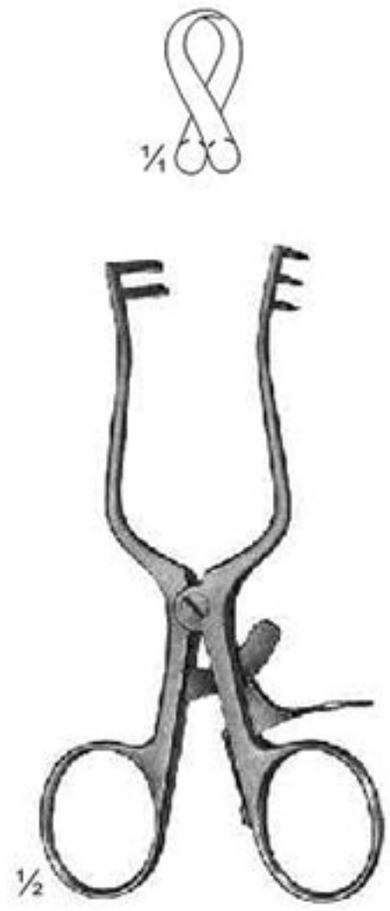
**08-434**
JANSEN
100 mm



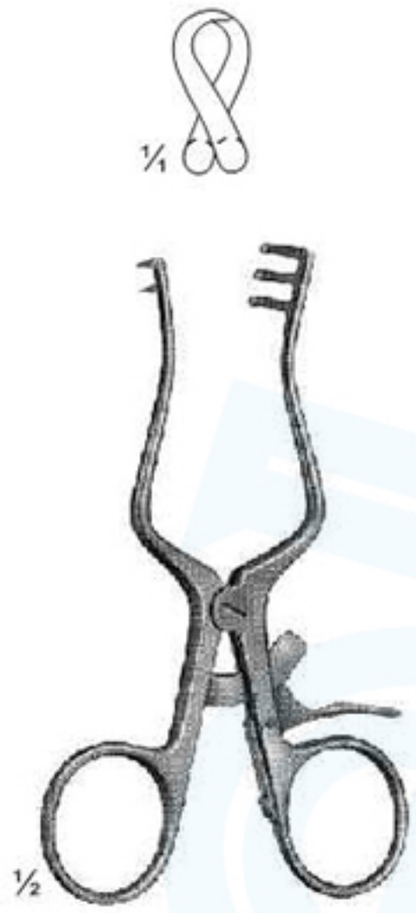
**08-435**
JANSEN
100 mm



**08-436**
BARRAQUER
45 mm



**08-437**
WEITLANER
Sharp
110 mm



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



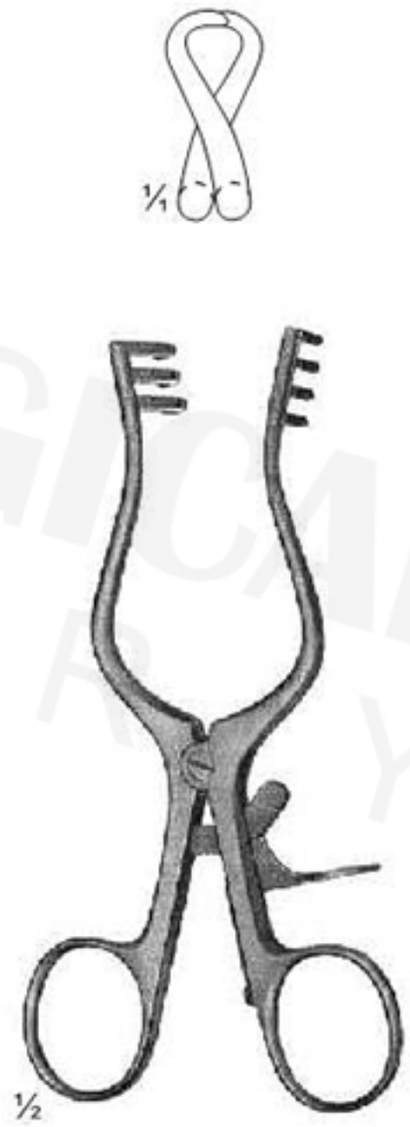
**08-439**
WEITLANER
Blunt
110 mm



**08-440**
WEITLANER
Sharp
130 mm

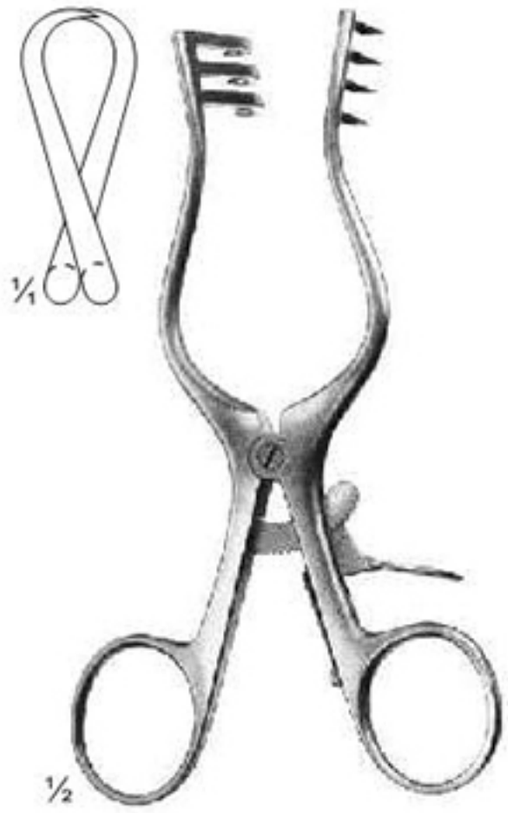


**08-441**
WEITLANER
Semi-Sharp
130 mm

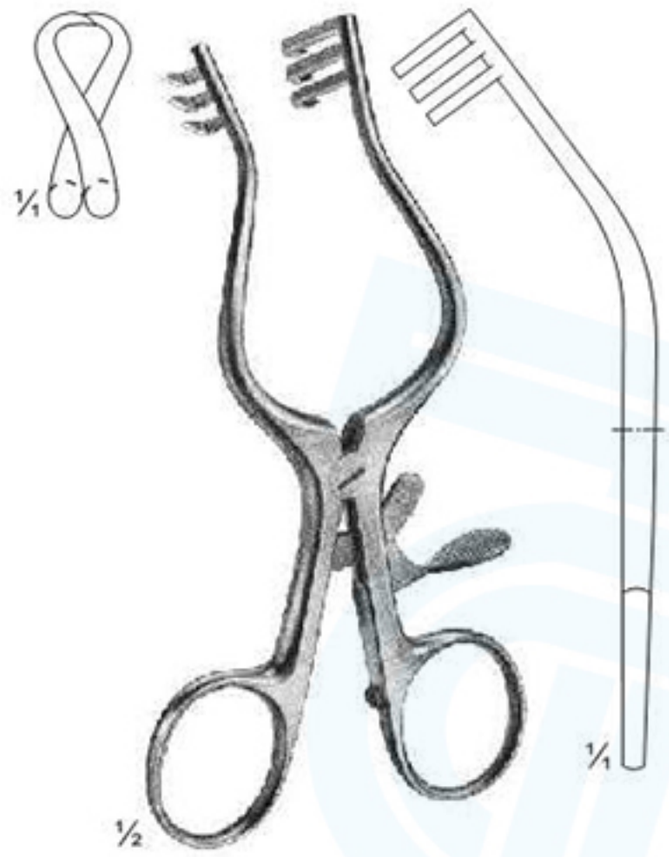


**08-442**
WEITLANER
Blunt
130 mm

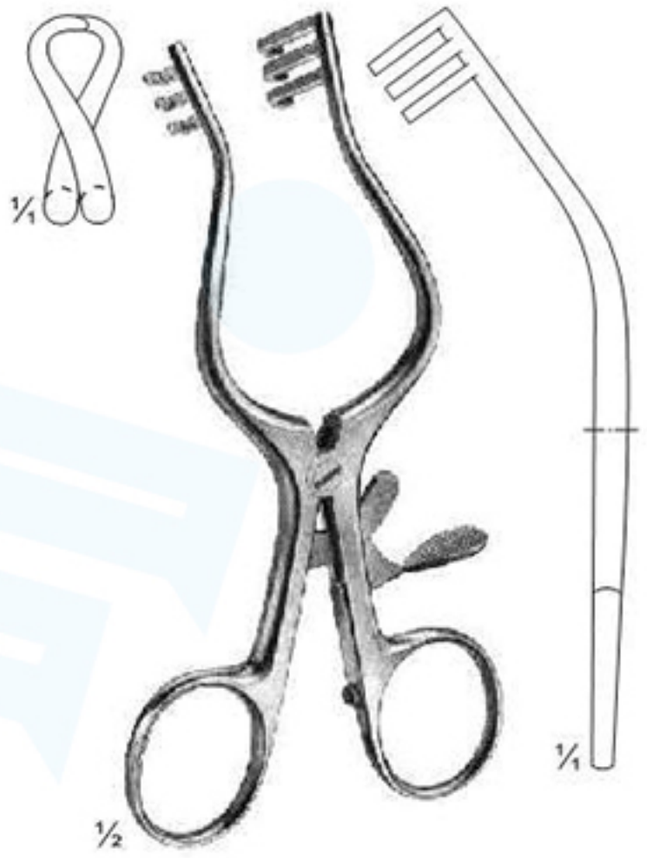
# Self-Retaining Retractors



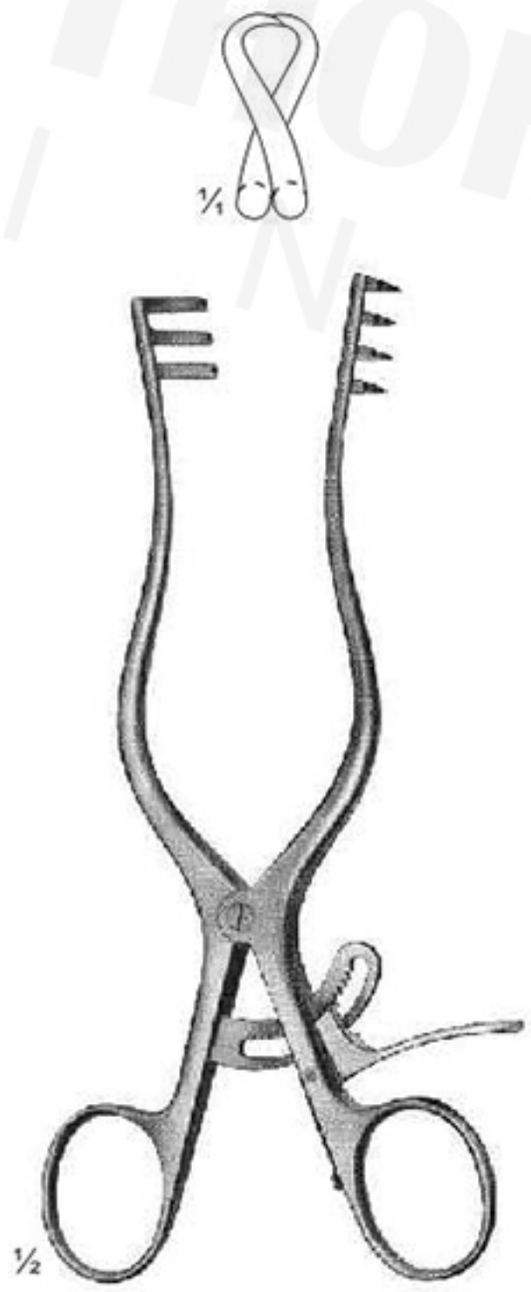
**08-443**
WEITLANER
Sharp
130 mm



**08-444**
WULLSTEIN
Sharp
130 mm



**08-445**
WULLSTEIN
Blunt
130 mm



**08-446**
WEITLANER
Sharp
165 mm



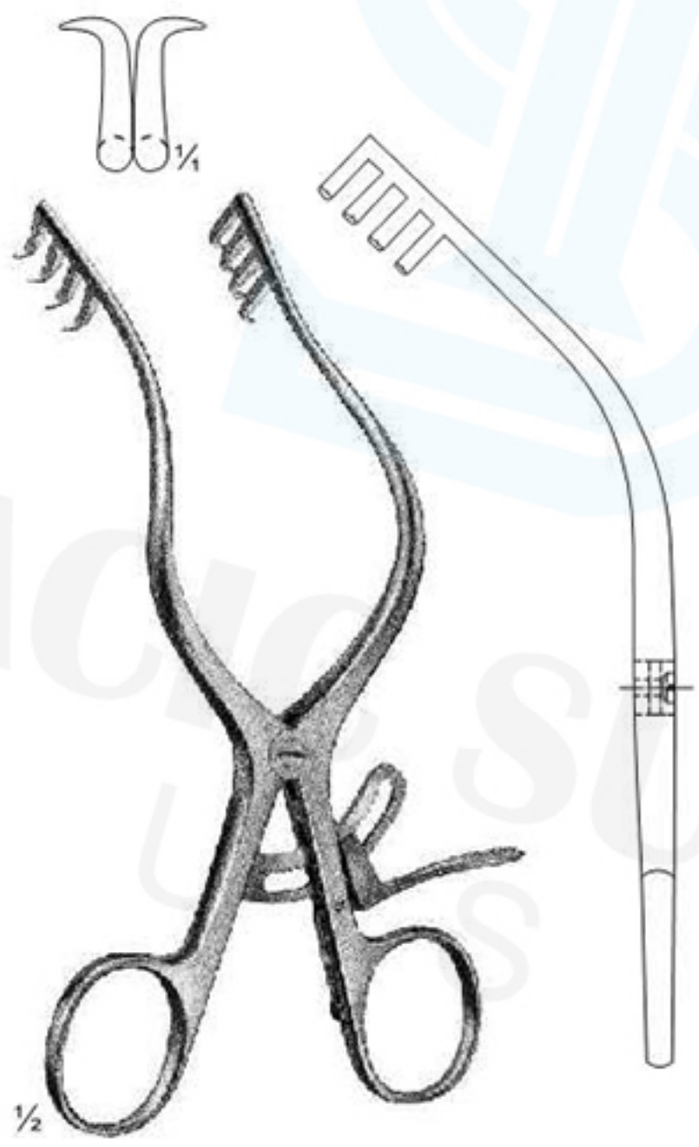
**08-447**
PLESTER
Blunt
110 mm



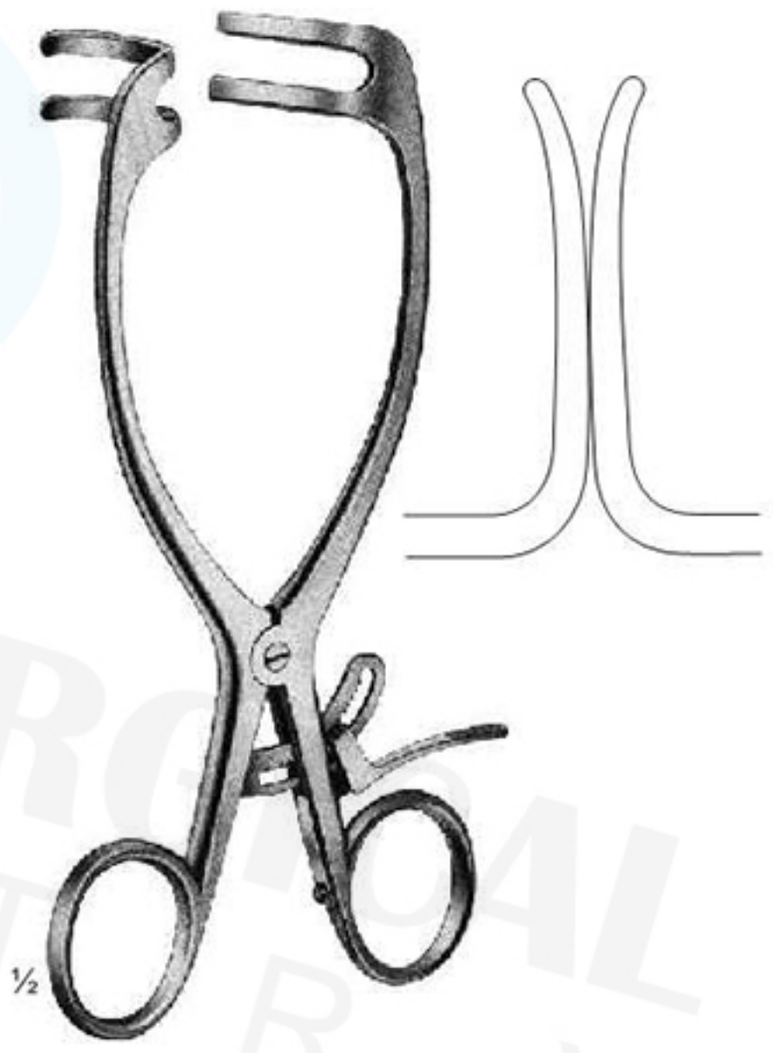
**08-448**
PERKINS
130 mm



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



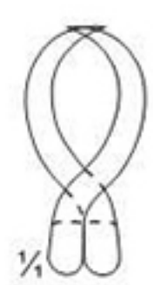




**08-454**
ADSON
Sharp
265 mm

THORACIC SURGICAL INDUSTRY

# Self-Retaining Laminectomy Retractors



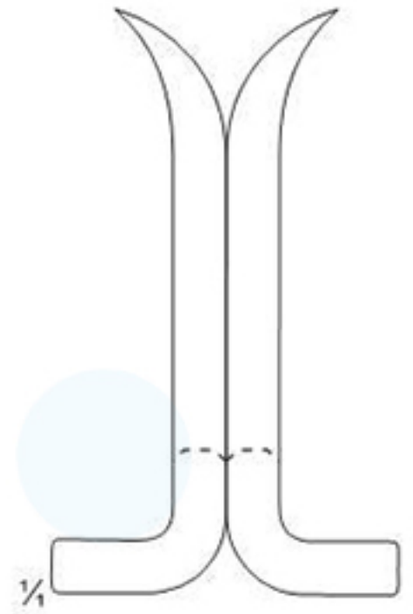
Sharp



Semi-Sharp

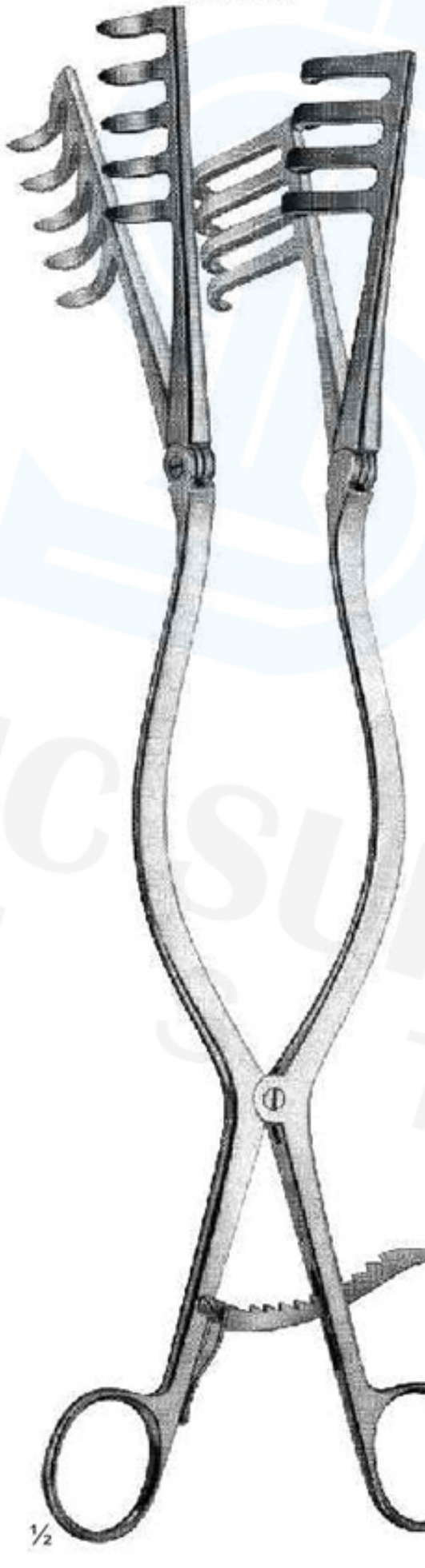


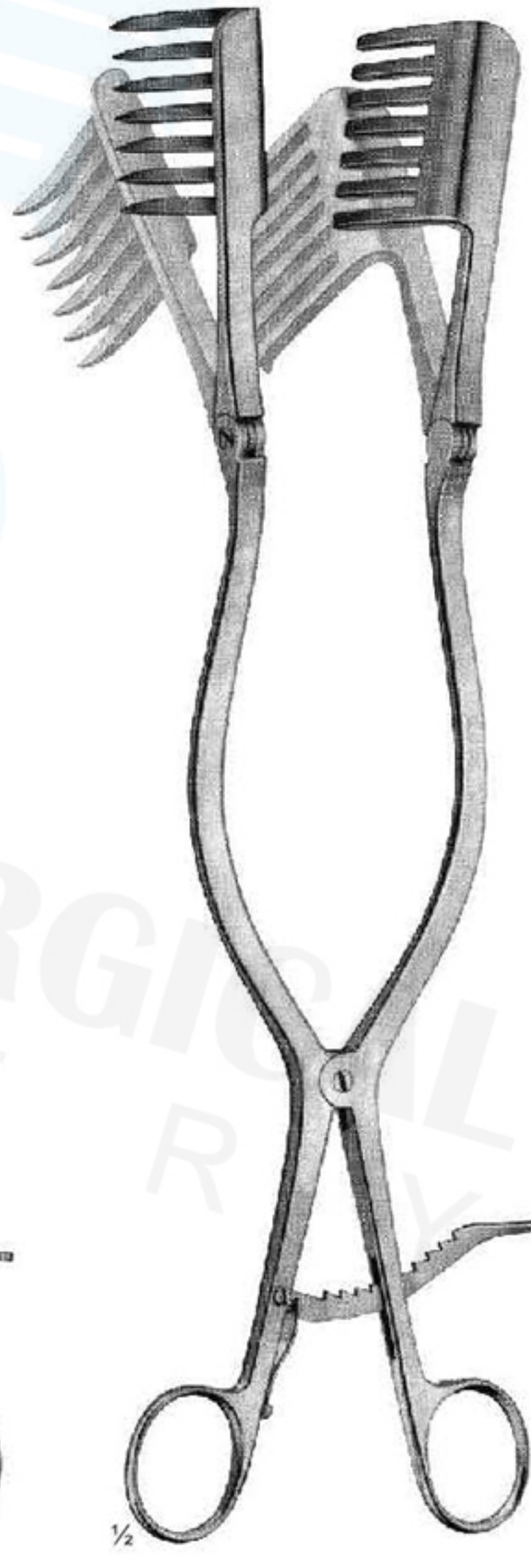
Semi-Sharp





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







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



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

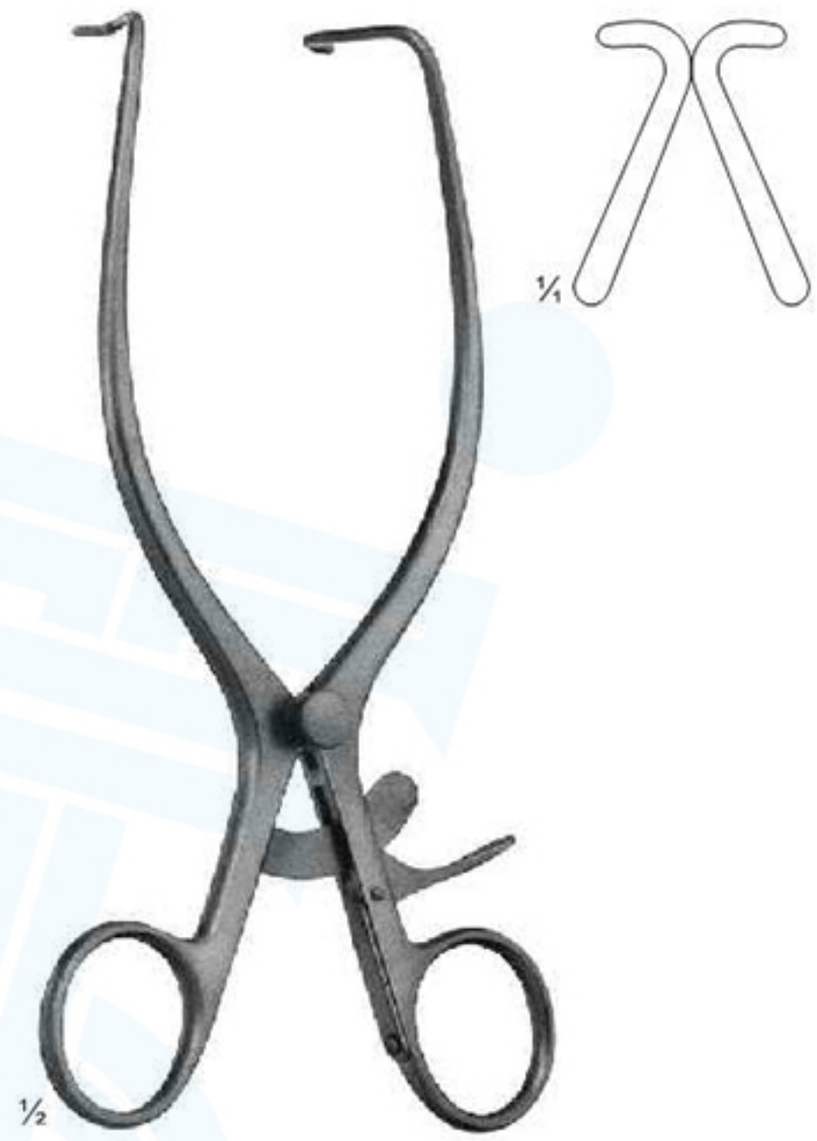


**08-458**
BECKMANN-EATON
Sharp
320 mm

# Special Retractors




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




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




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

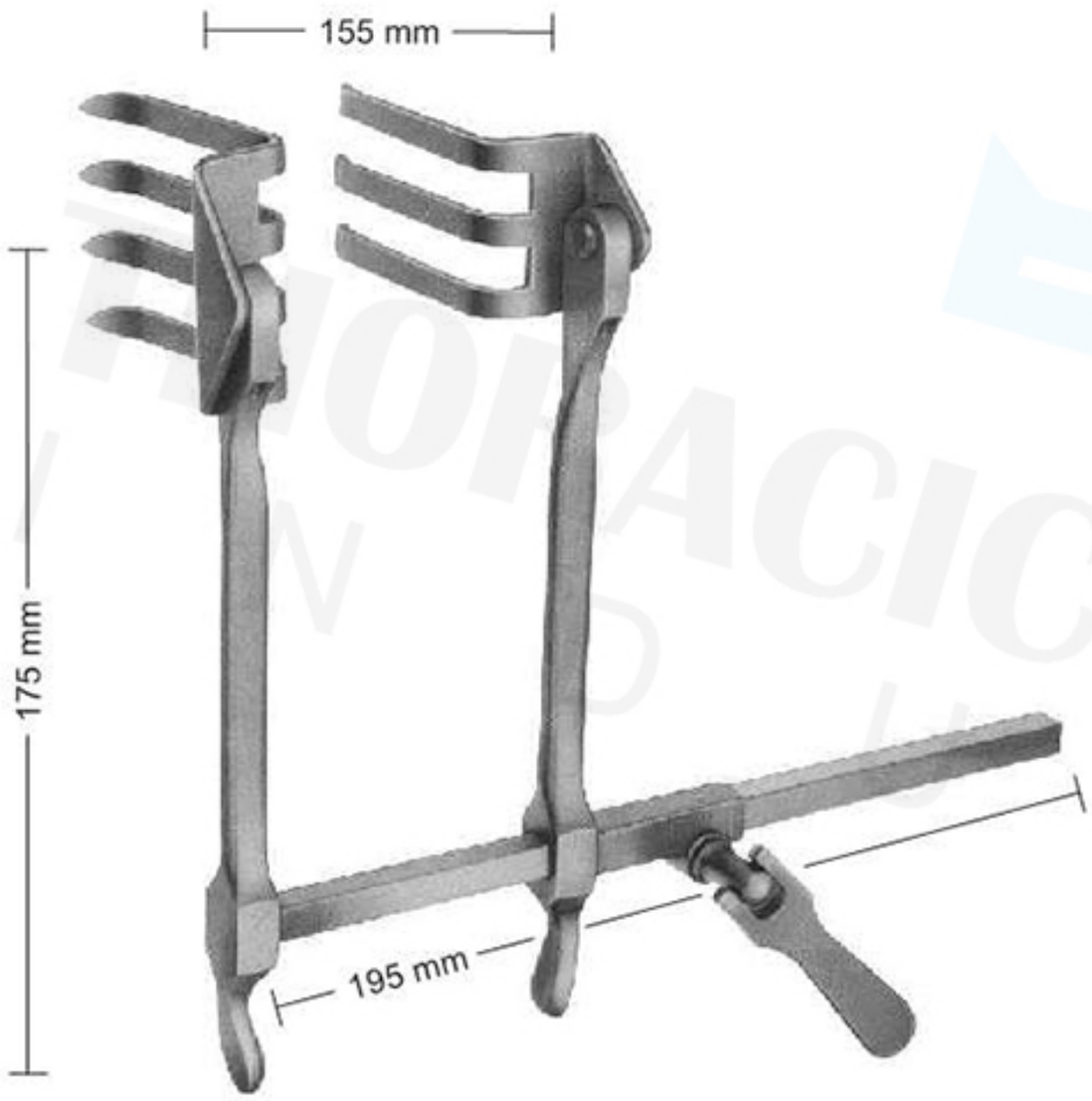



**08-462**
GELPI
Skin- and Veginal Retractor
175 mm




**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

THORACIC SURGICAL INSTRUMENTS

# Retractors for Cervical Spine




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



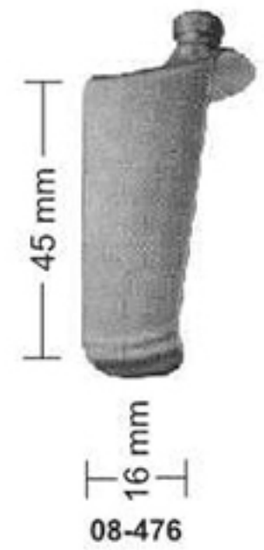

**08-470**




**08-471**




**08-475**




**08-476**




**08-472**



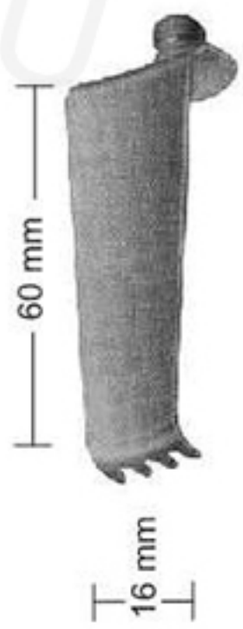

**08-473**




**08-477**




**08-478**




**08-474**

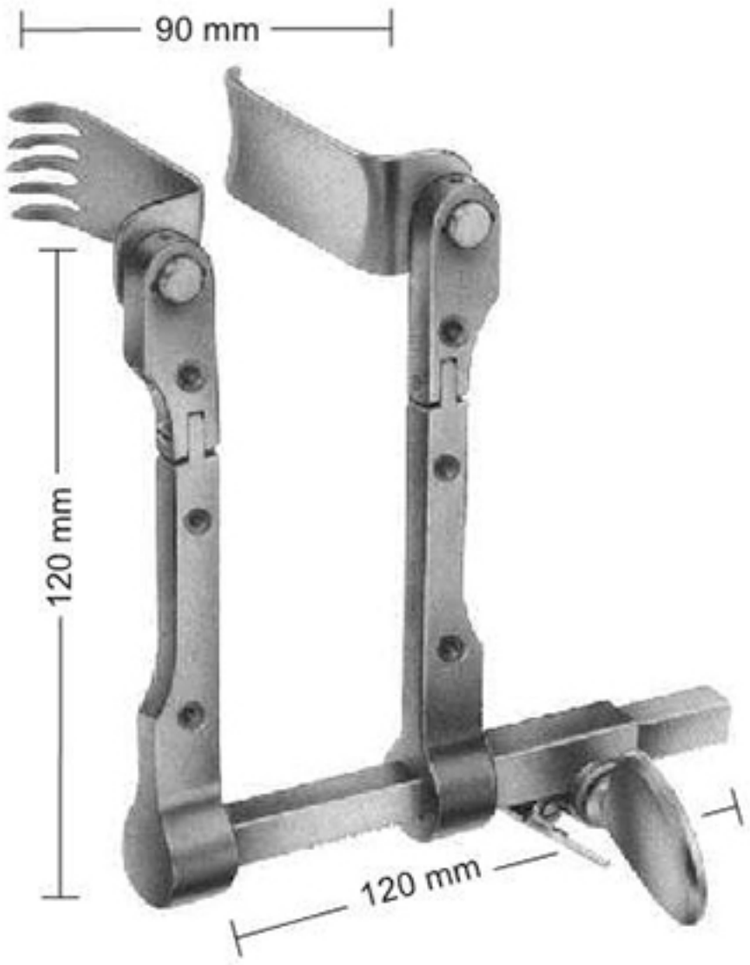



**08-479**

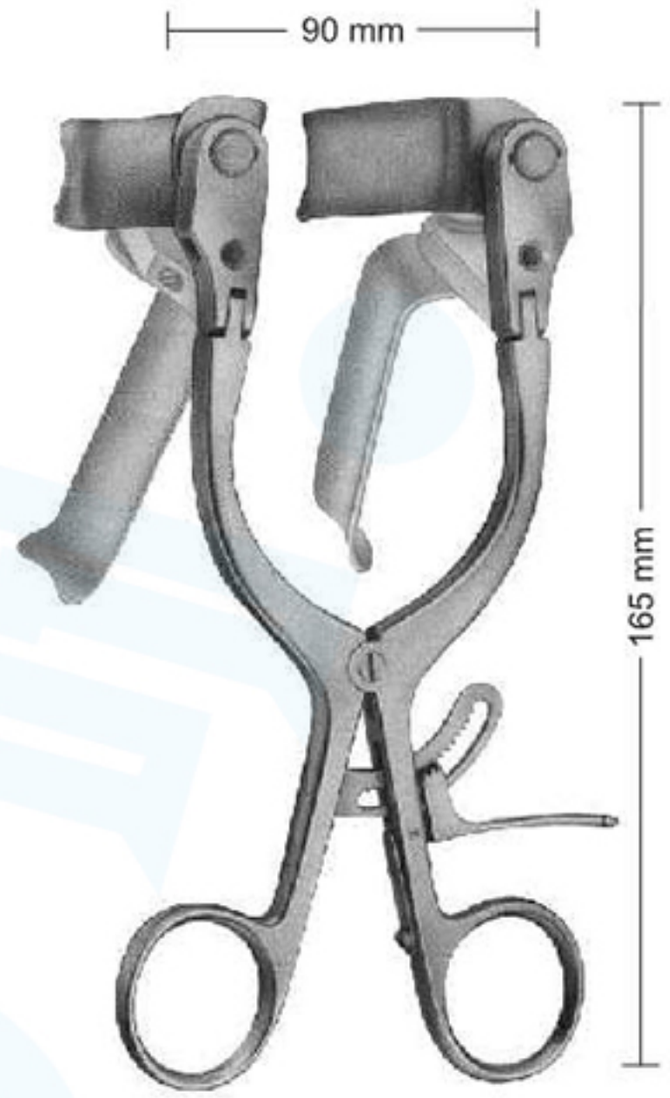
08-470 blade
08-471 blade
08-472 blade
08-473 blade
08-474 blade

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

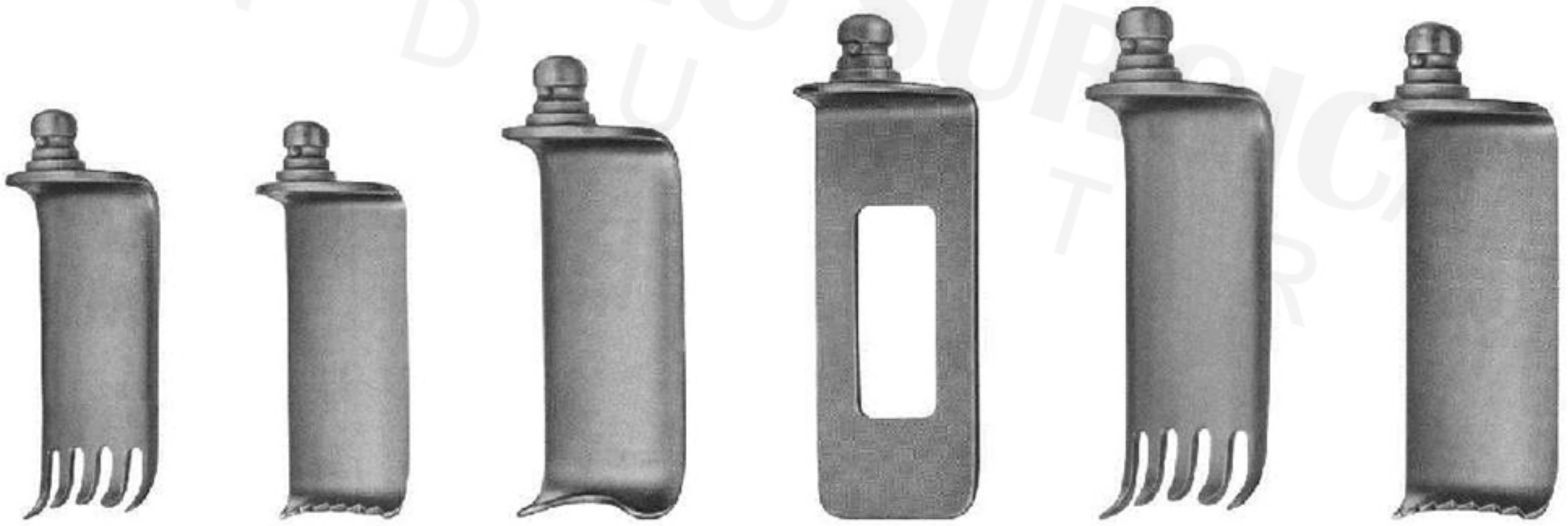
# Retractors for Cervical Vertebral Column




**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

THORACIC SURGICAL INSTRUMENTS INDUSTRIES

# Lamina Spreaders



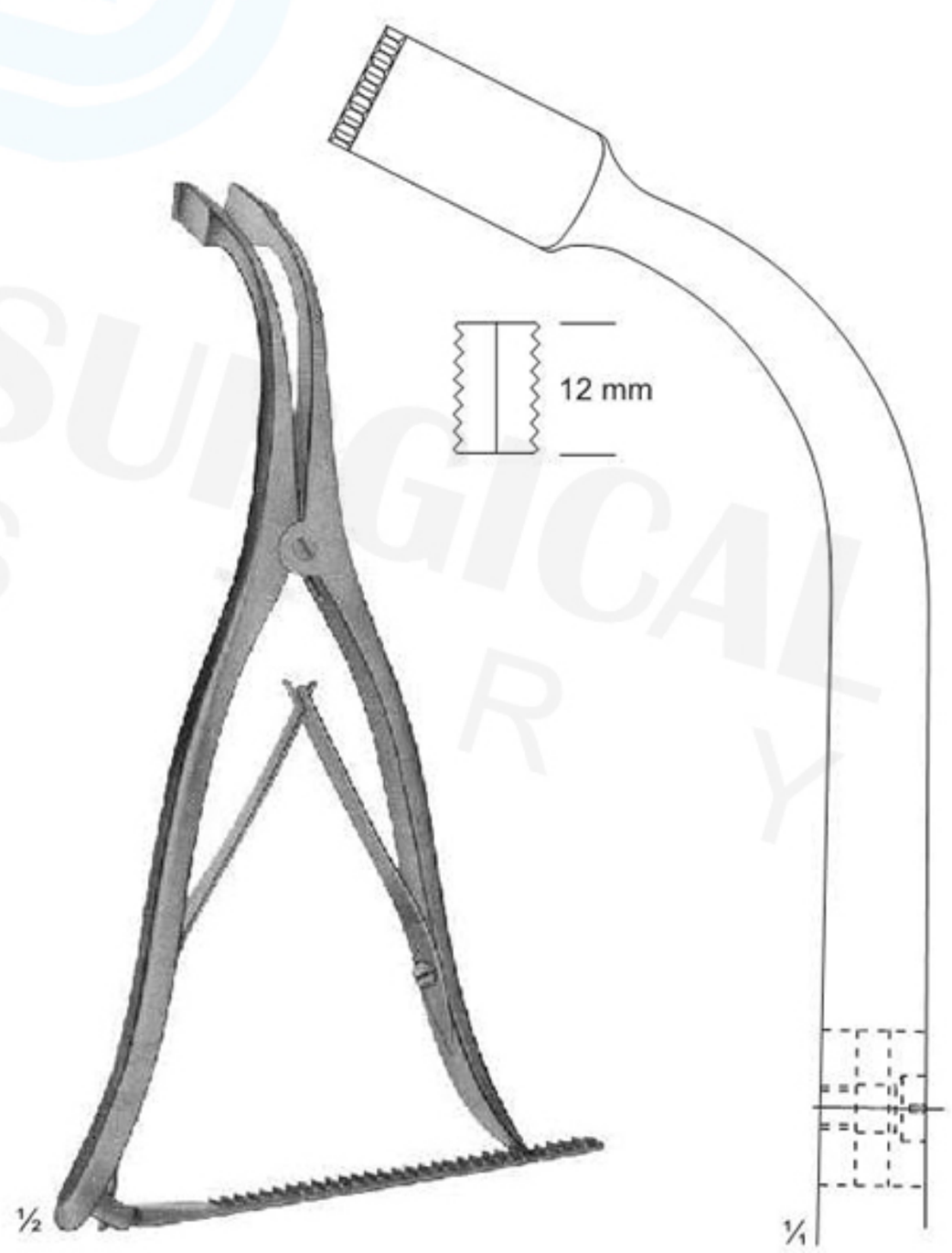

**08-508**
CLOWARD
155 mm




**08-509**
CLOWARD
135 mm

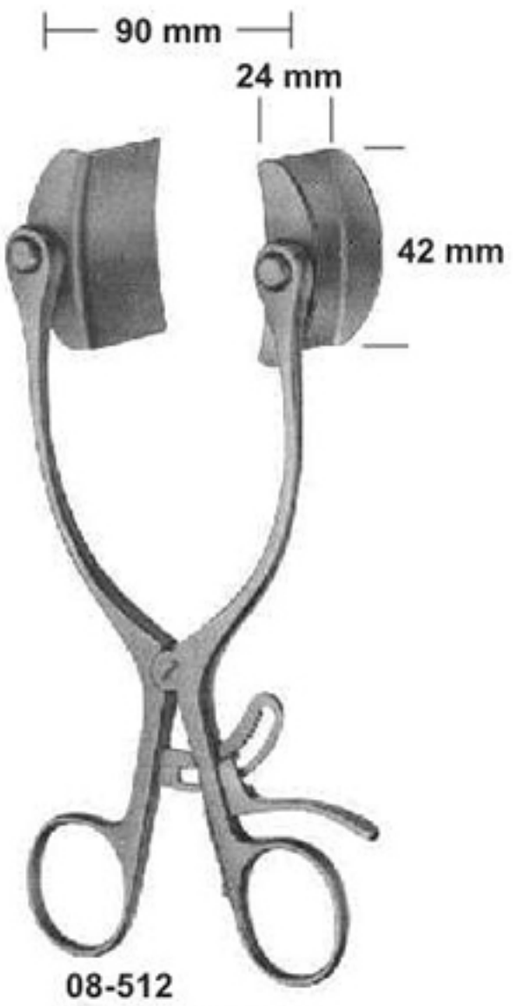



**08-510**
INGE
170 mm




**08-511**
INGE
275 mm

# Abdominal Retractors




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




**08-513**
COLLIN
complete




| | | |
|---|---|---|
| Spreader only | **08-514** | **08-515** | **08-516** |
| Lateral blade | 37x62mm | 37x80mm | 37x98mm |
| Canter blade | 54x55mm | 54x67mm | 52x76mm |

**08-514 - 518**
COLLIN
complete




**08-519 - 520**
RICARD
complete

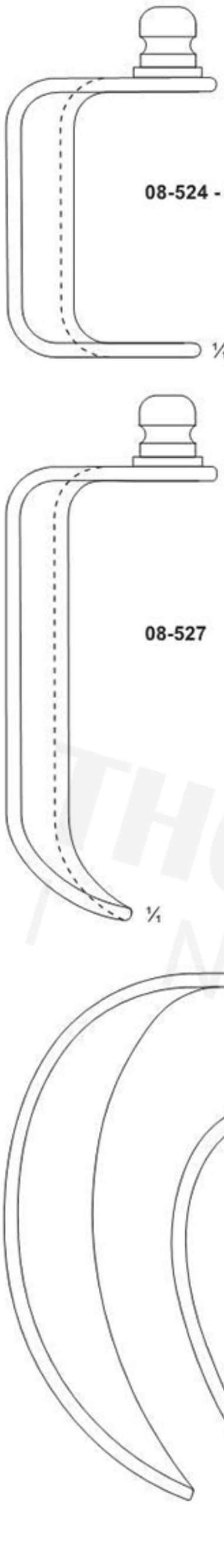
| | | |
|---|---|---|
| Spreader only | **08-519** | **08-520** |
| Lateral blade | 58x80mm | 72x84mm |
| Canter blade | 54x70mm | 72x90mm |




**08-521 - 523**
HOLZBACH
Complete

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

# Abdominal Baldes



08-524 - 526

1/1



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

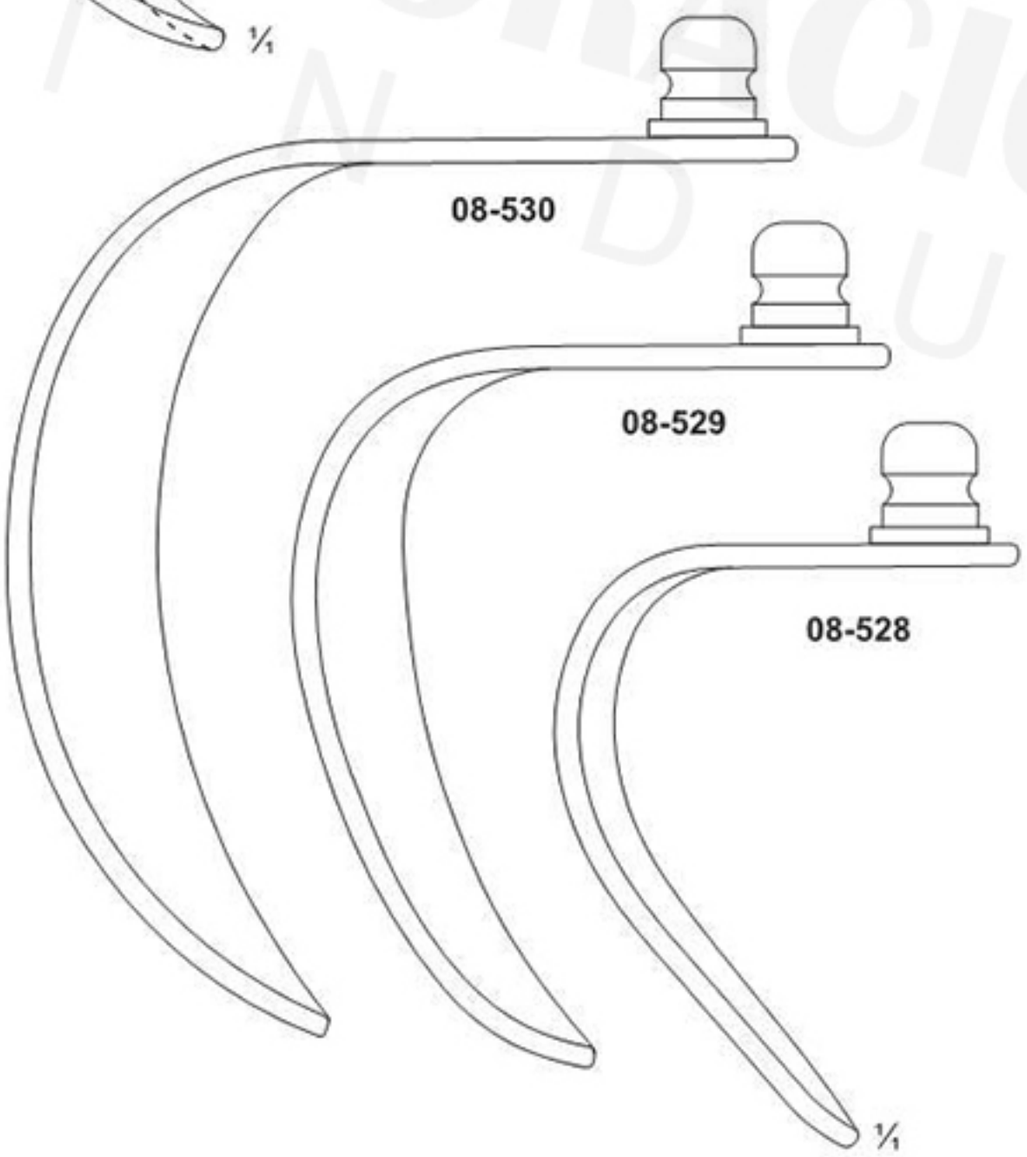


**08-527**

1/1



**08-527** 61x80 mm



**08-530**

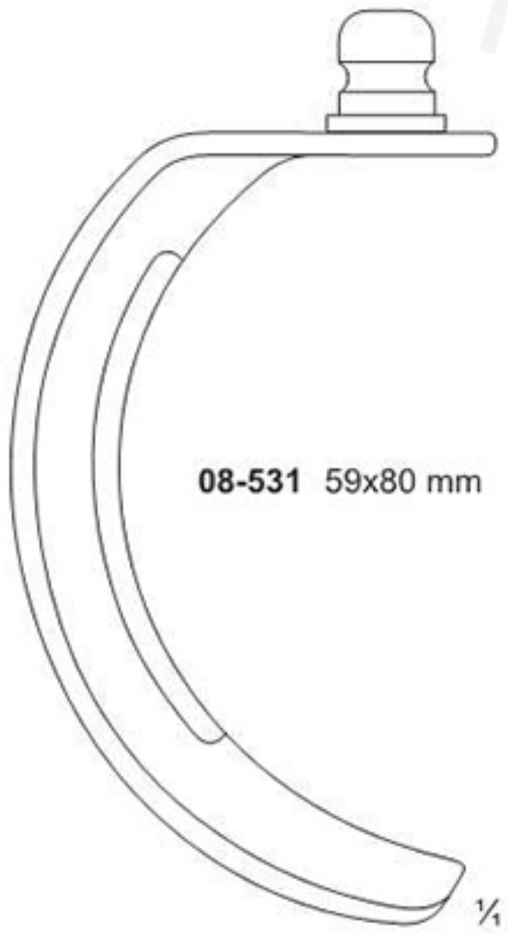
**08-529**

**08-528**

1/1



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



**08-531** 59x80 mm

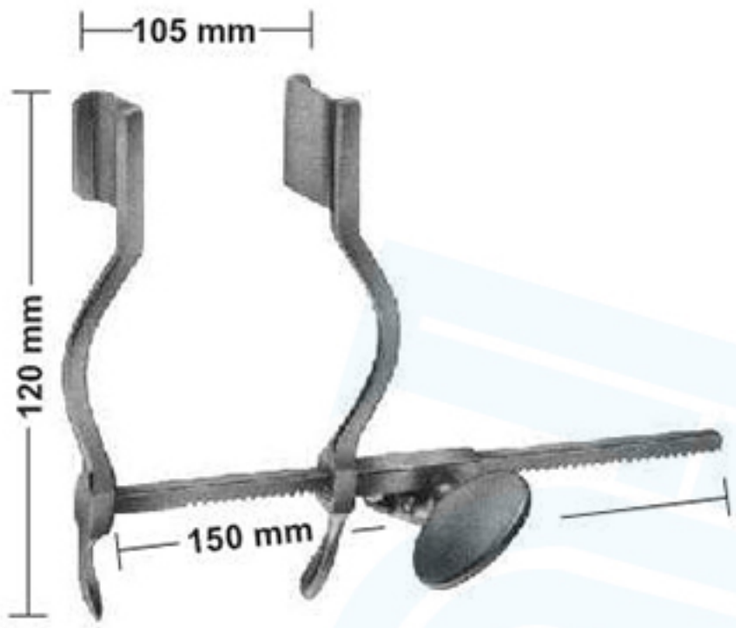
1/1



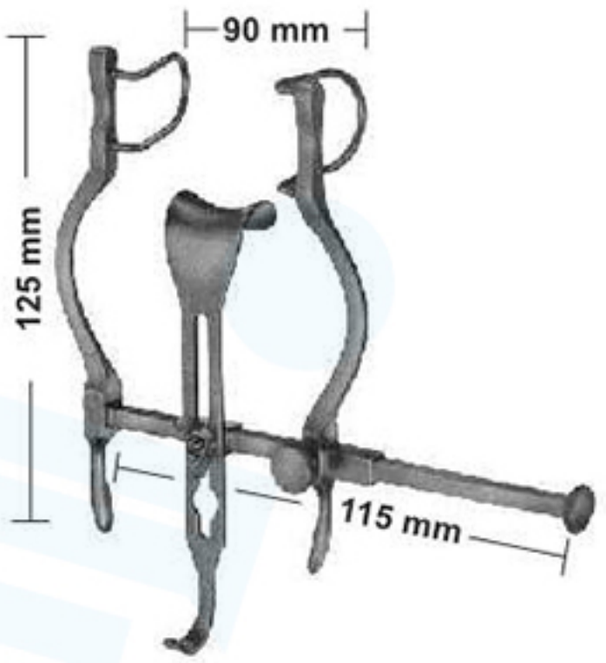
# Abdominal Retractors



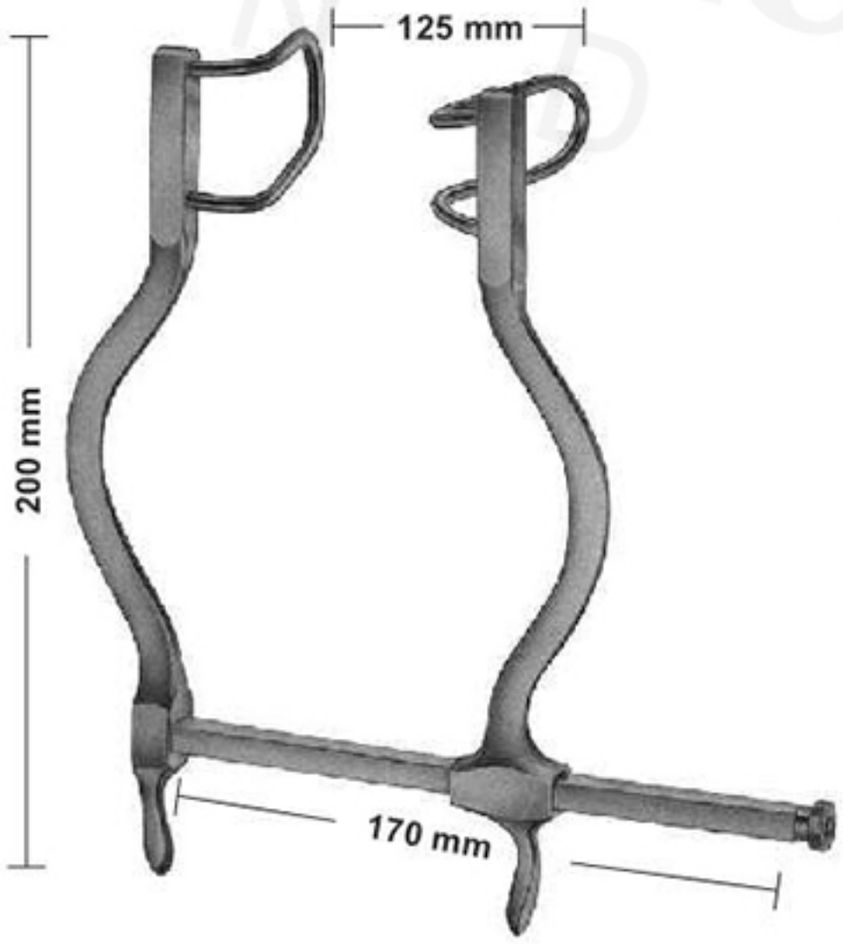

**08-532**
GOSSET
Blades:38 mm deep



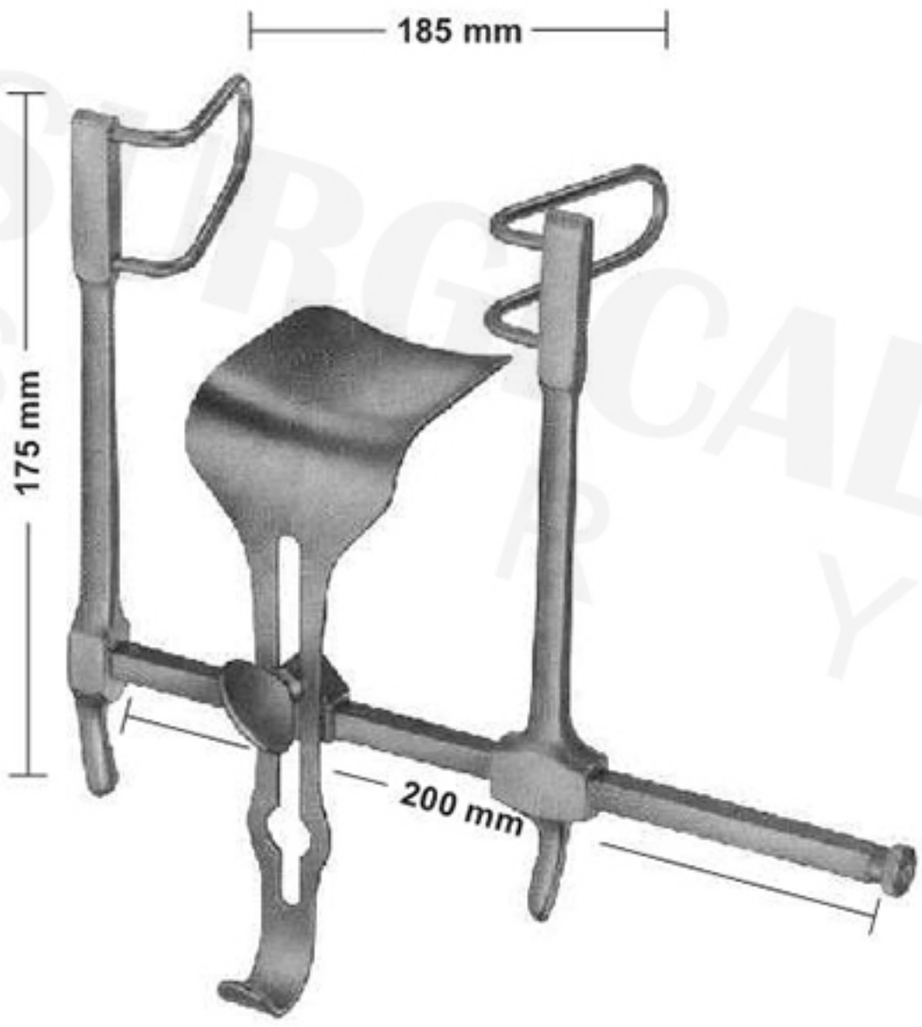

**08-533**
HERTZLER
Blades 20 X 25 mm




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



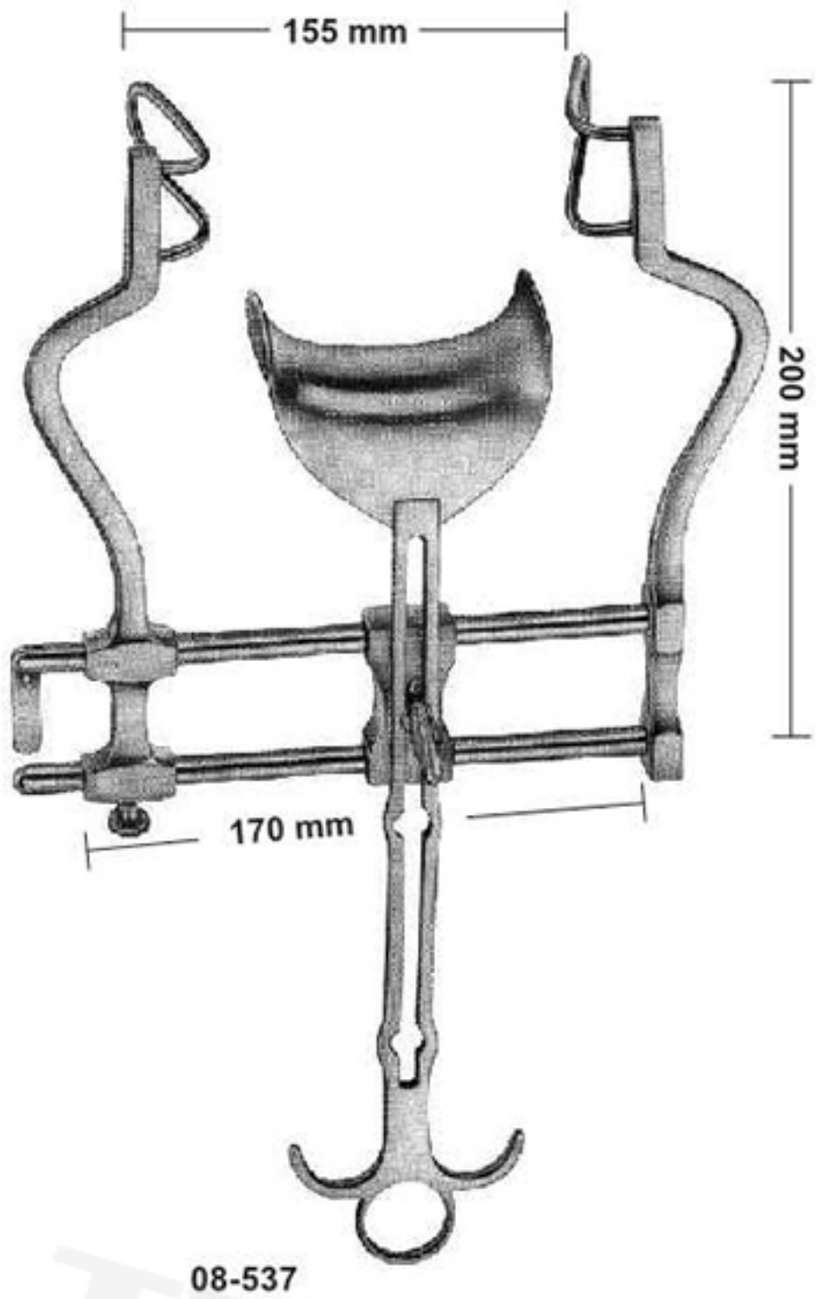

**08-535**
GOSSET
Blades:55mm deep



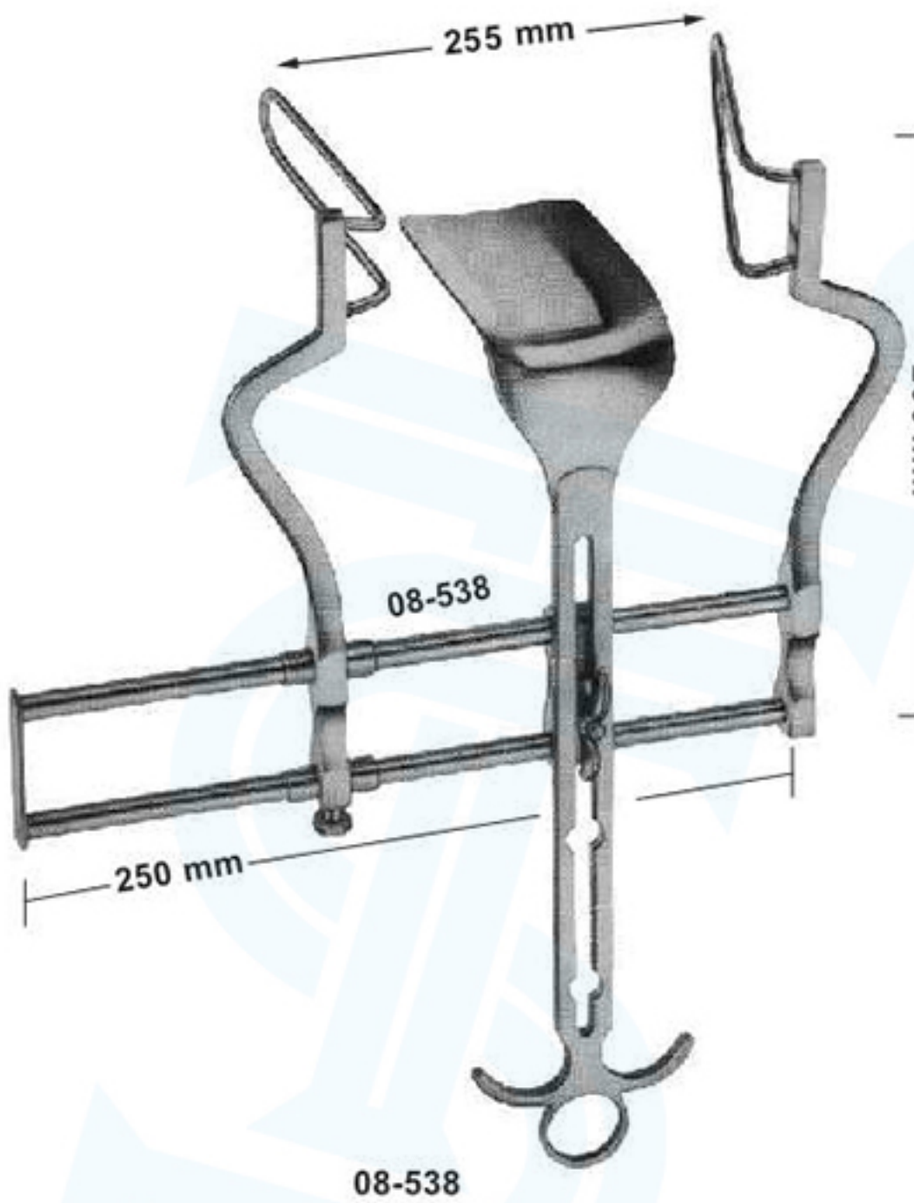

**08-536**
GOSSET
Lateral blades 58 mm deep
Center blade 59 x 57 mm

THORACIC SURGICAL INSTRUMENTS

# Abdominal Retractors



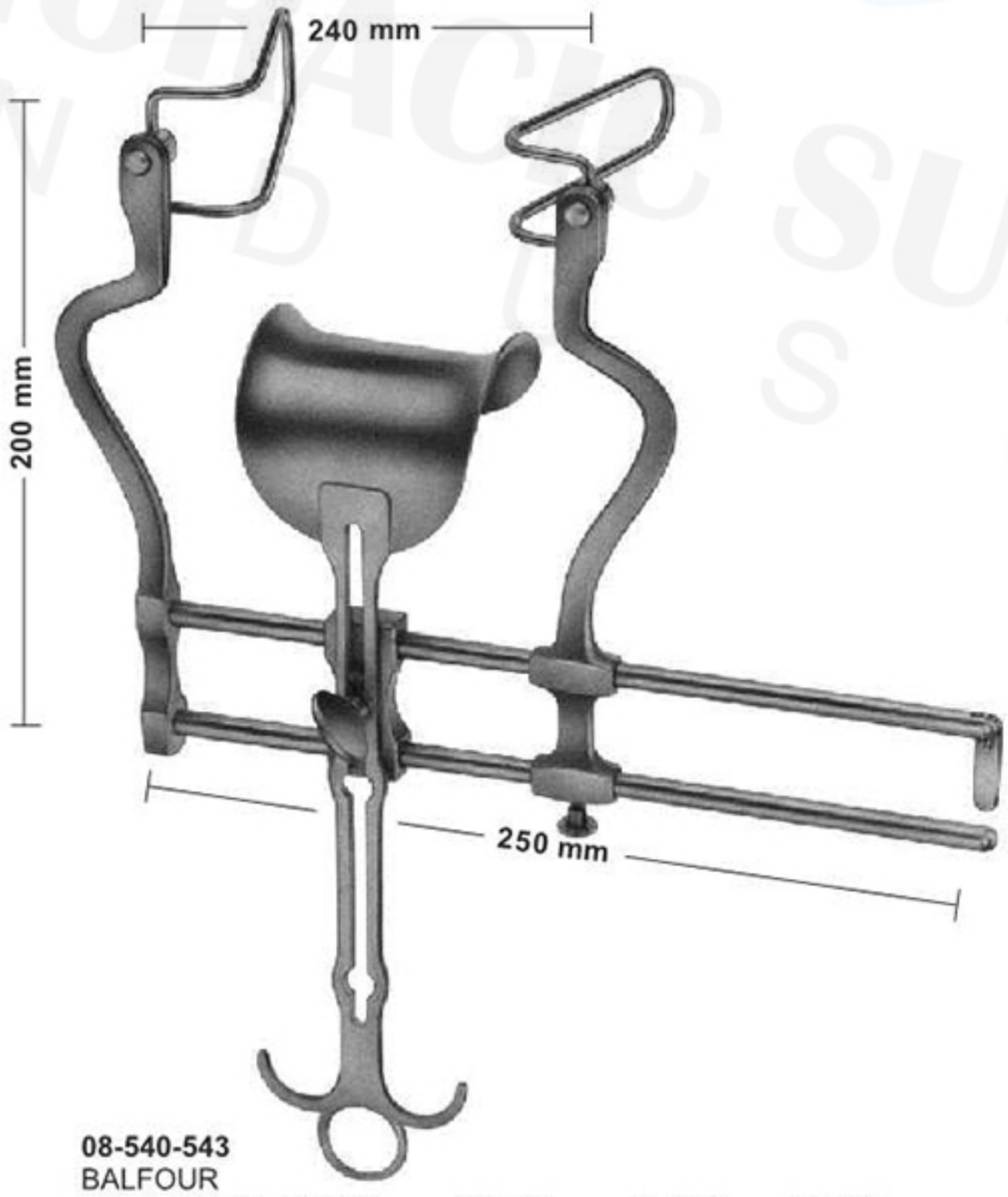

**08-537**
BALFOUR
Lateral blades 60 mm deep
Center blade 47 x 80 mm




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



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




**08-540-543**
BALFOUR

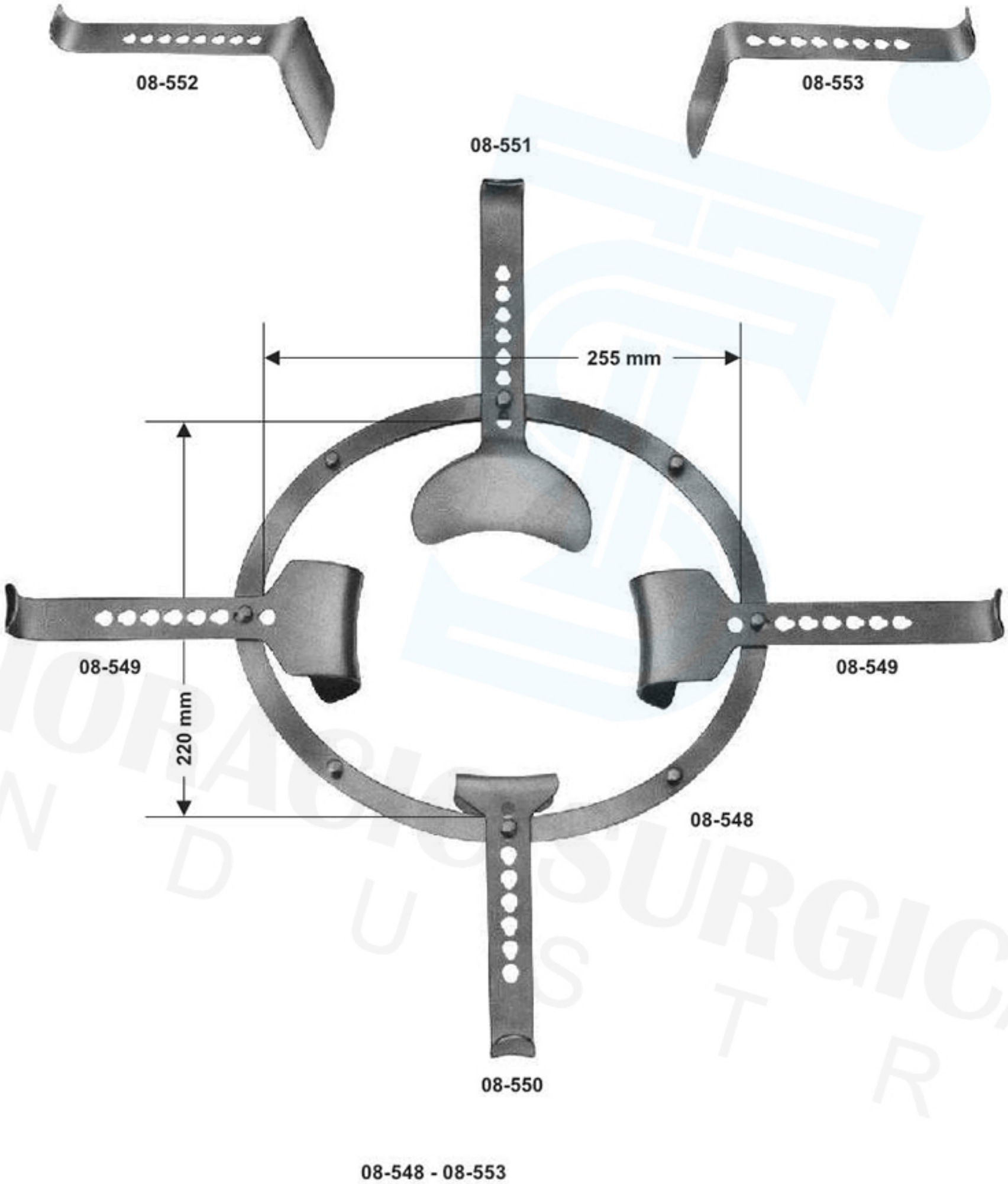
| Spreader only | **08-540** | **08-541** | **08-542** | **08-543** |
|---|---|---|---|---|
| Lateral blades | 50 mm | 60 mm | 75 mm | 90 mm |
| Center blade | 47 x 80 mm | 62x76 mm | 80x80 mm | 80x80 mm |



Sales Unit of blades:PR = pair

Lateral blades
**08-544**
50 mm deep
**08-545**
60 mm deep
**08-546**
75 mm deep
**08-547**
90 mm deep

# Abdominal Retractors

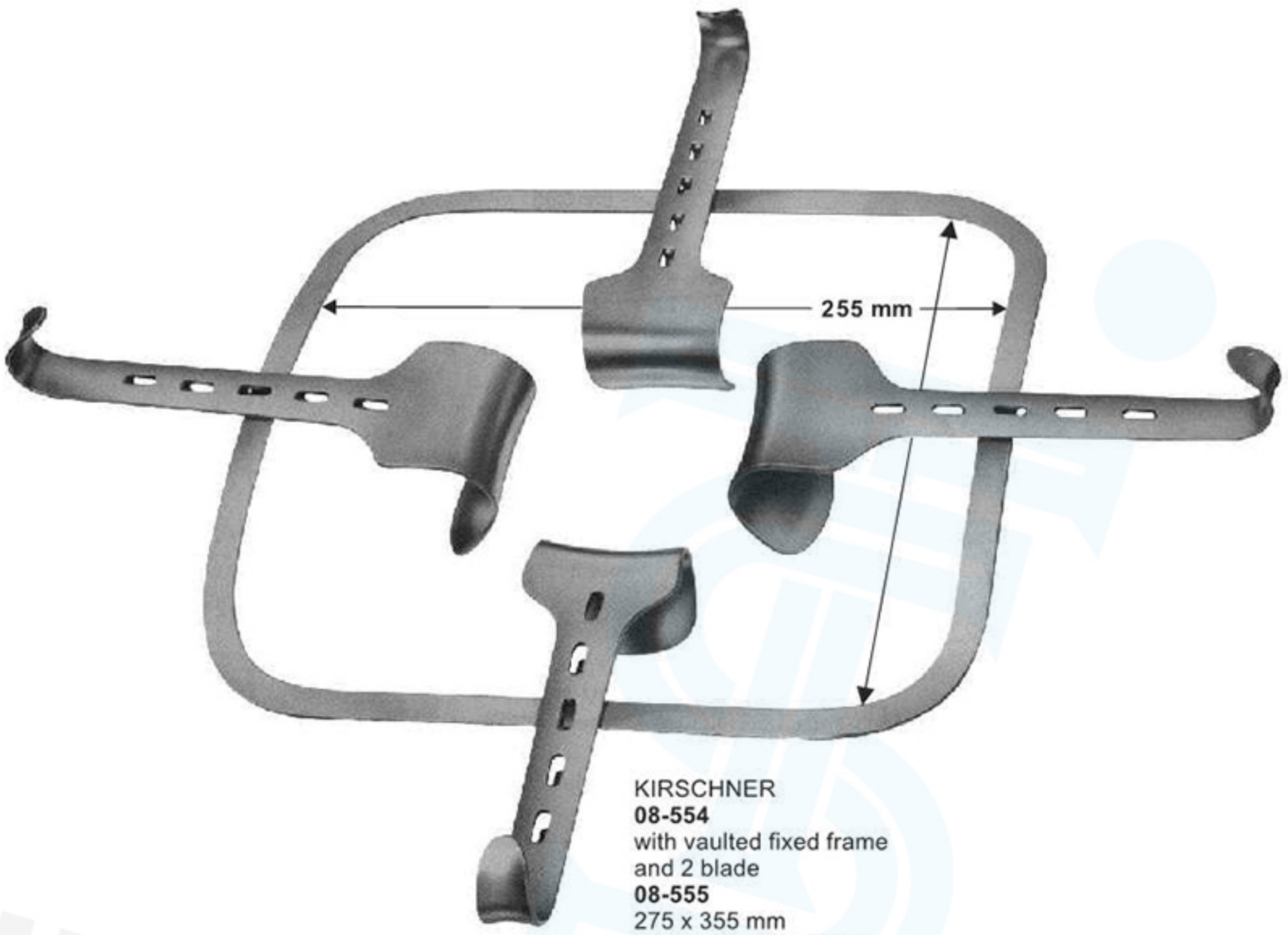



**08-548 - 08-553**
SEMM
consisting of:

| | |
|---|---|
| **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 |

THORACIC SURGICAL INDUSTRY

# 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



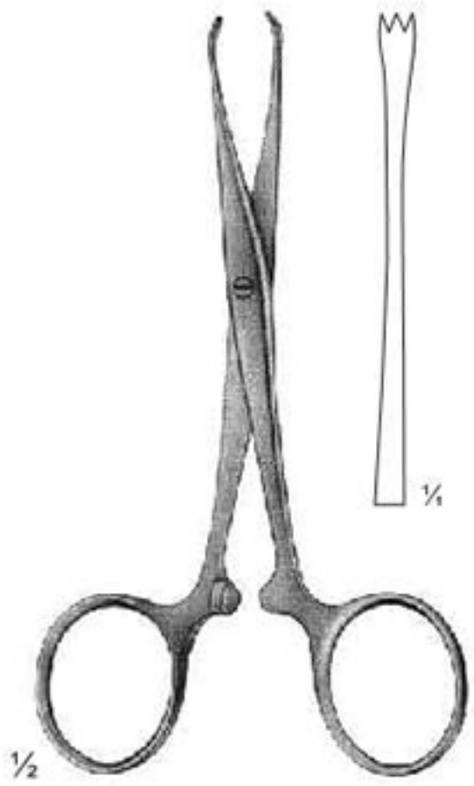
**08-559 - 561**
KIRSCHNER
**08-559** 90x 69mm
**08-560** 92x 95mm
**08-561** 78x 58mm



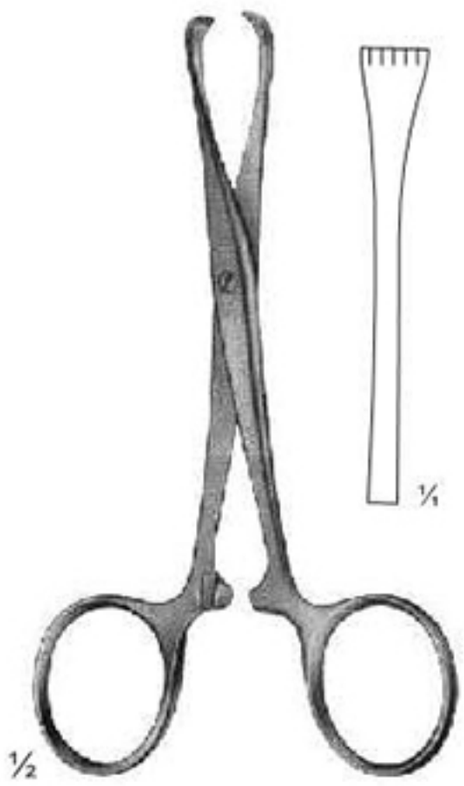
**08-562 - 564**
KIRSCHNER
**08-562** 108x42mm
**08-563** 91x 55mm
**08-564** 121x 55mm

THORACIC SURGICAL INDUSTRY

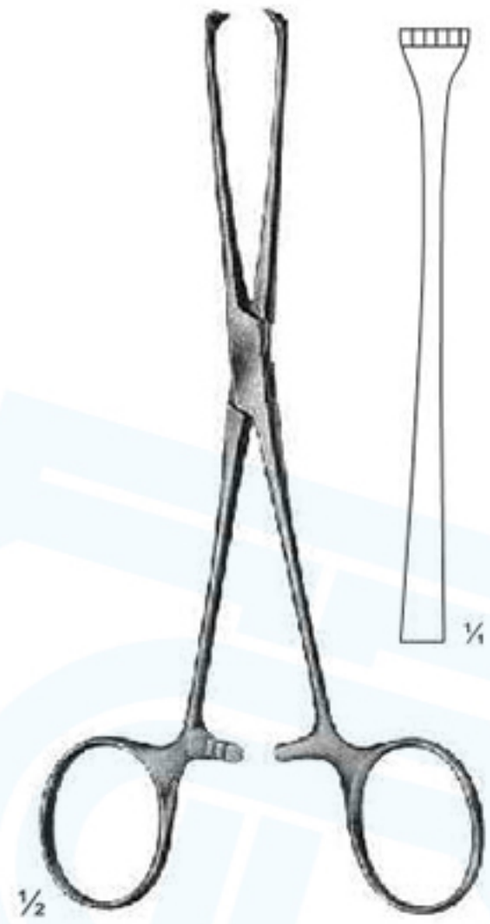
# Intestinal and Tissue Grasping Forceps



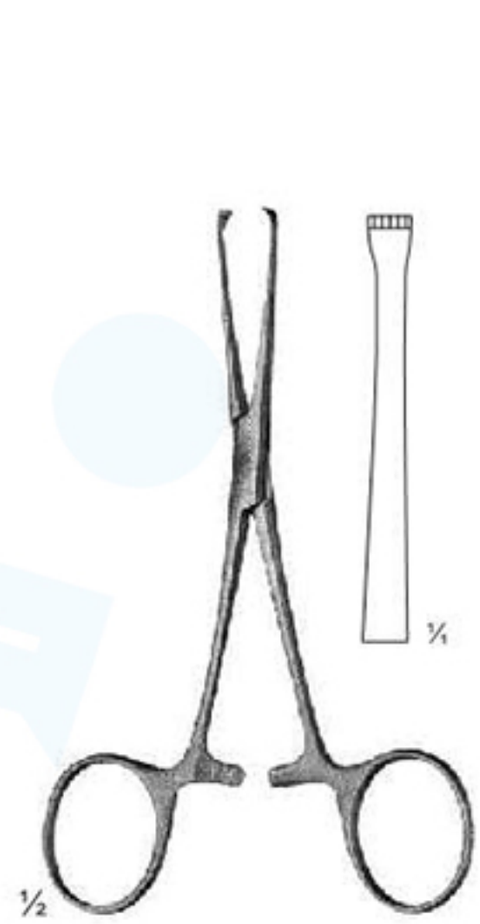

**09-101**
CHAPUT
2 X 3 teeth, sharp
125 mm,



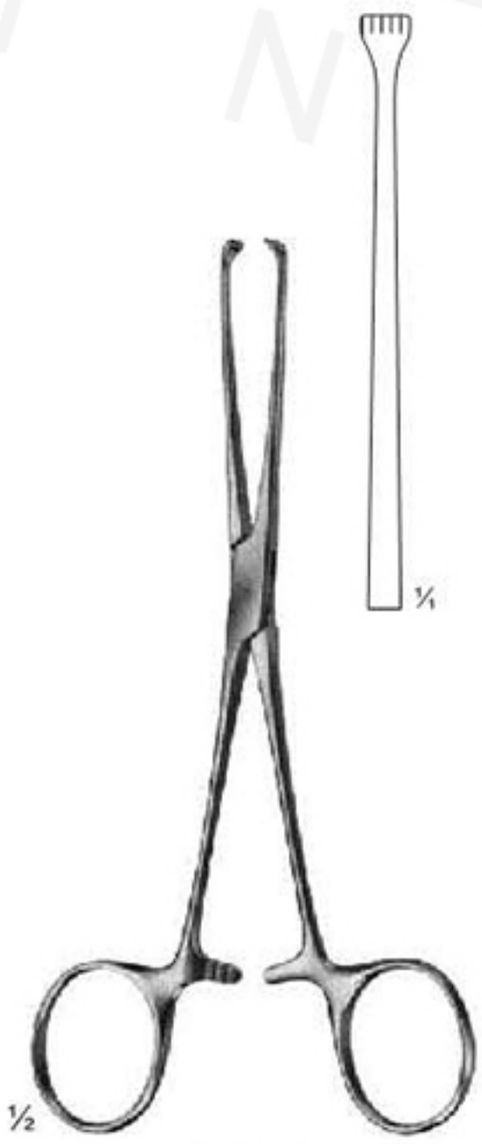

**09-102**
TUFFIER
5 X 6 teeth, sharp
125 mm,



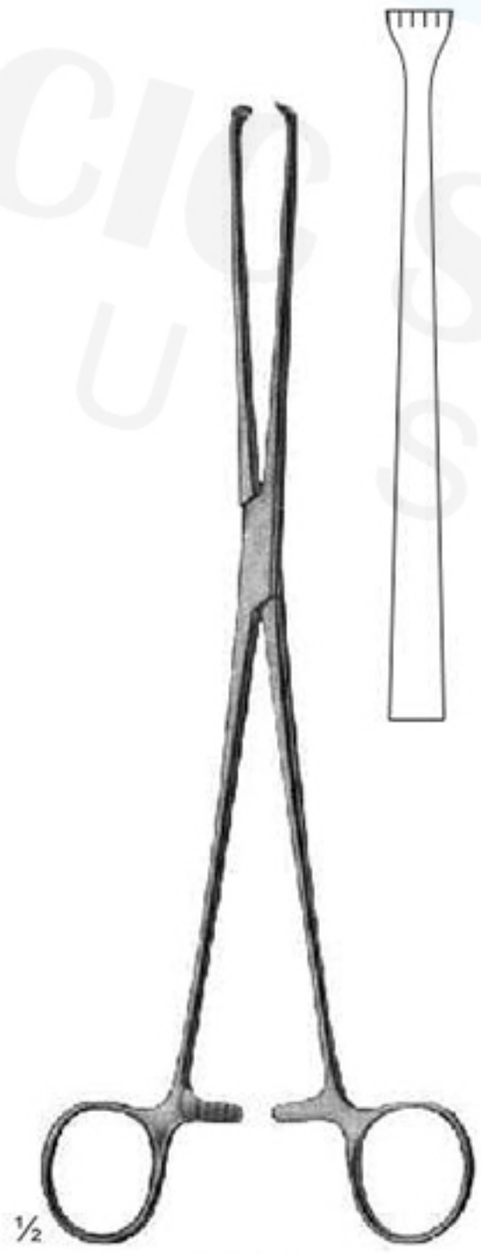

**09-103**
BOYS-ALLIS
5 X 6 teeth, sharp
155 mm,



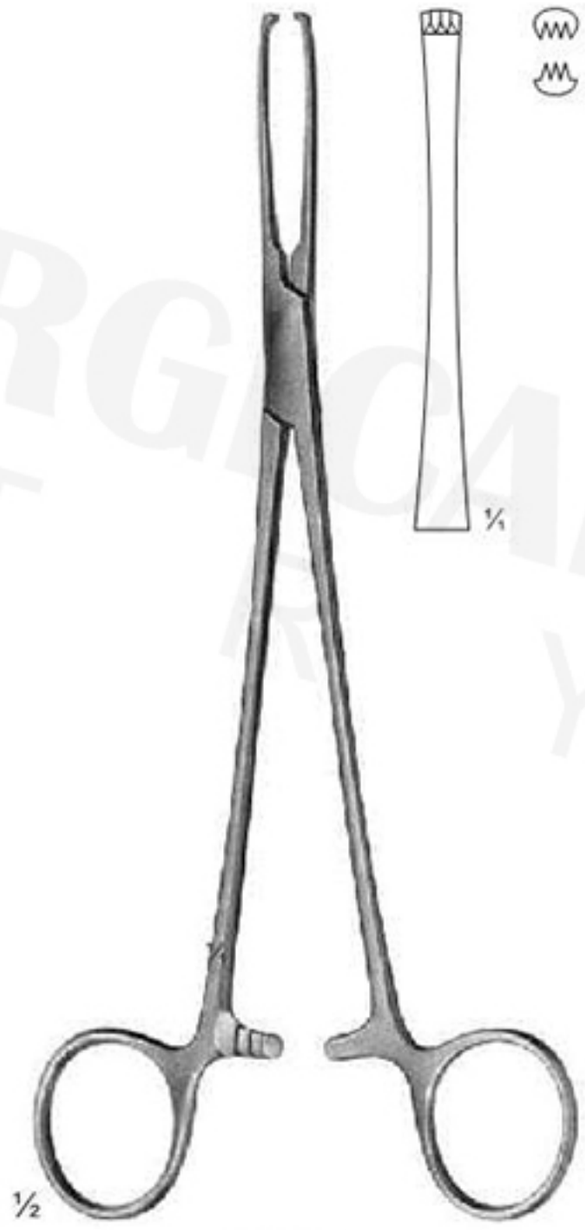

**09-104**
ALLIS
4 X 5 teeth
155 mm,




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



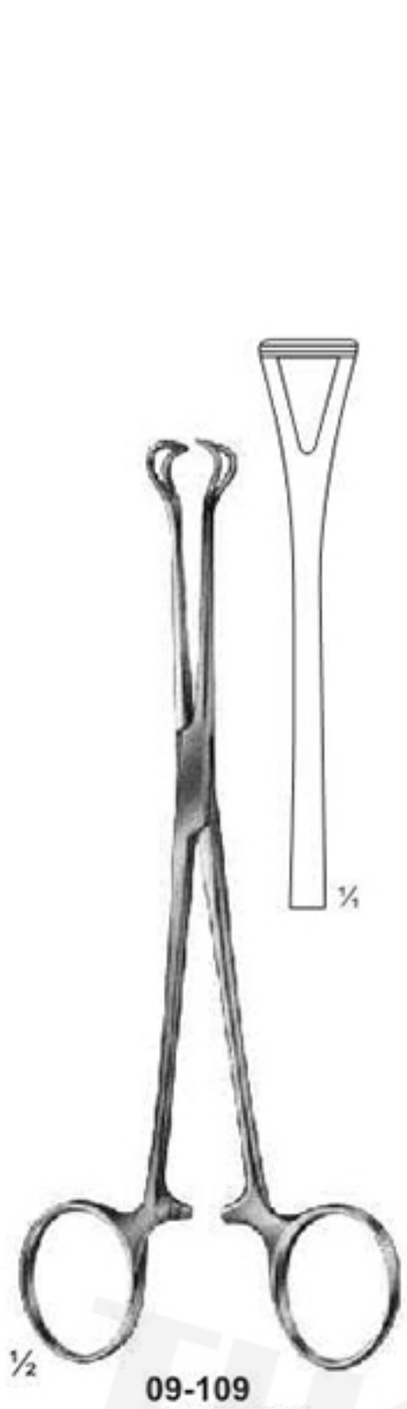

**09-106**
ALLIS
190 mm,
**09-107**
255 mm,
5 X 6 teeth



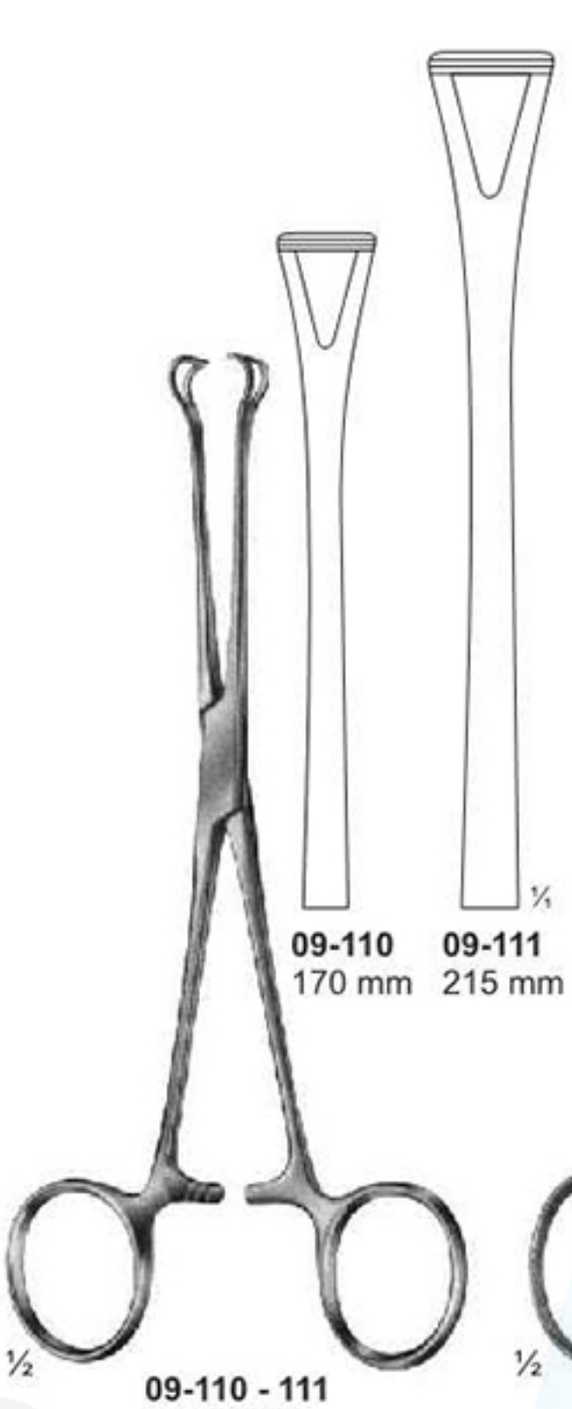

**09-108**
JUDD-ALLIS
3 X 4 teeth
195 mm,

THORACIC SURGICAL INDUSTRY

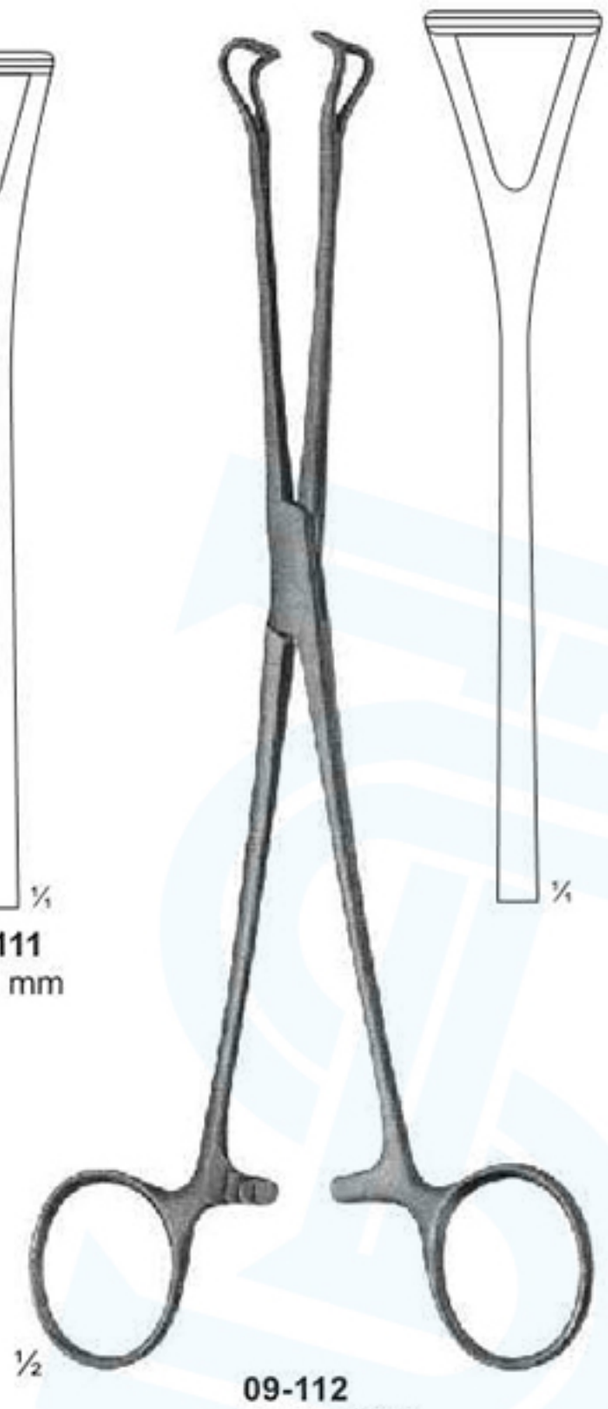
# Intestinal Grasping Forceps




**09-109**
BABCOCK
155 mm



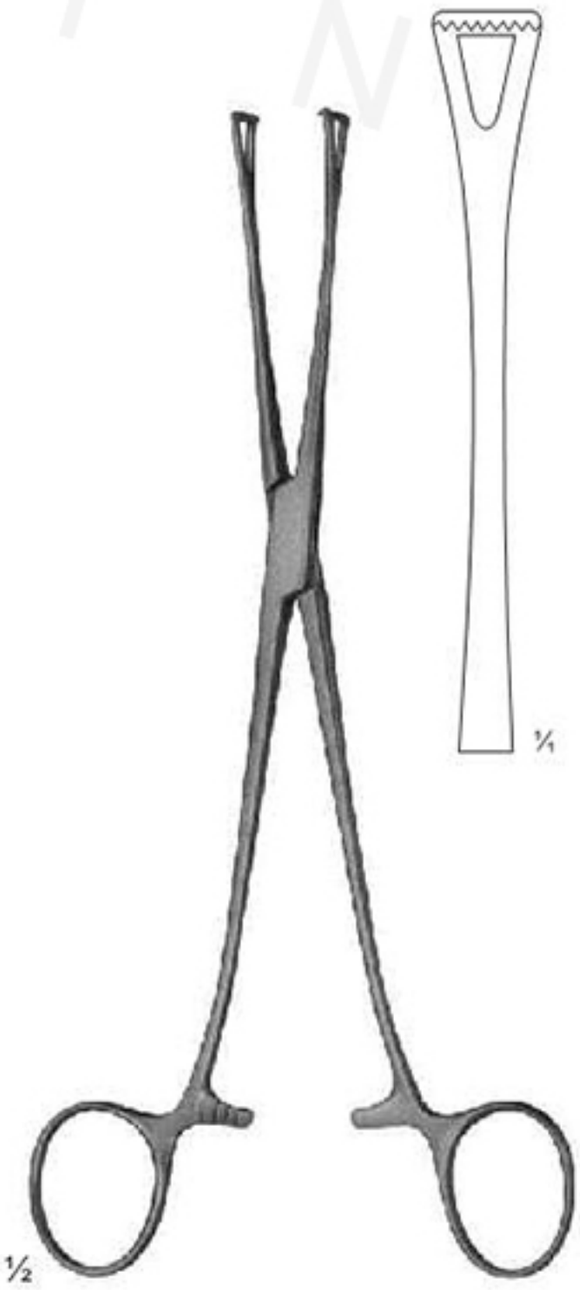

**09-110** 170 mm
**09-111** 215 mm
**09-110 - 111**
BABCOCK



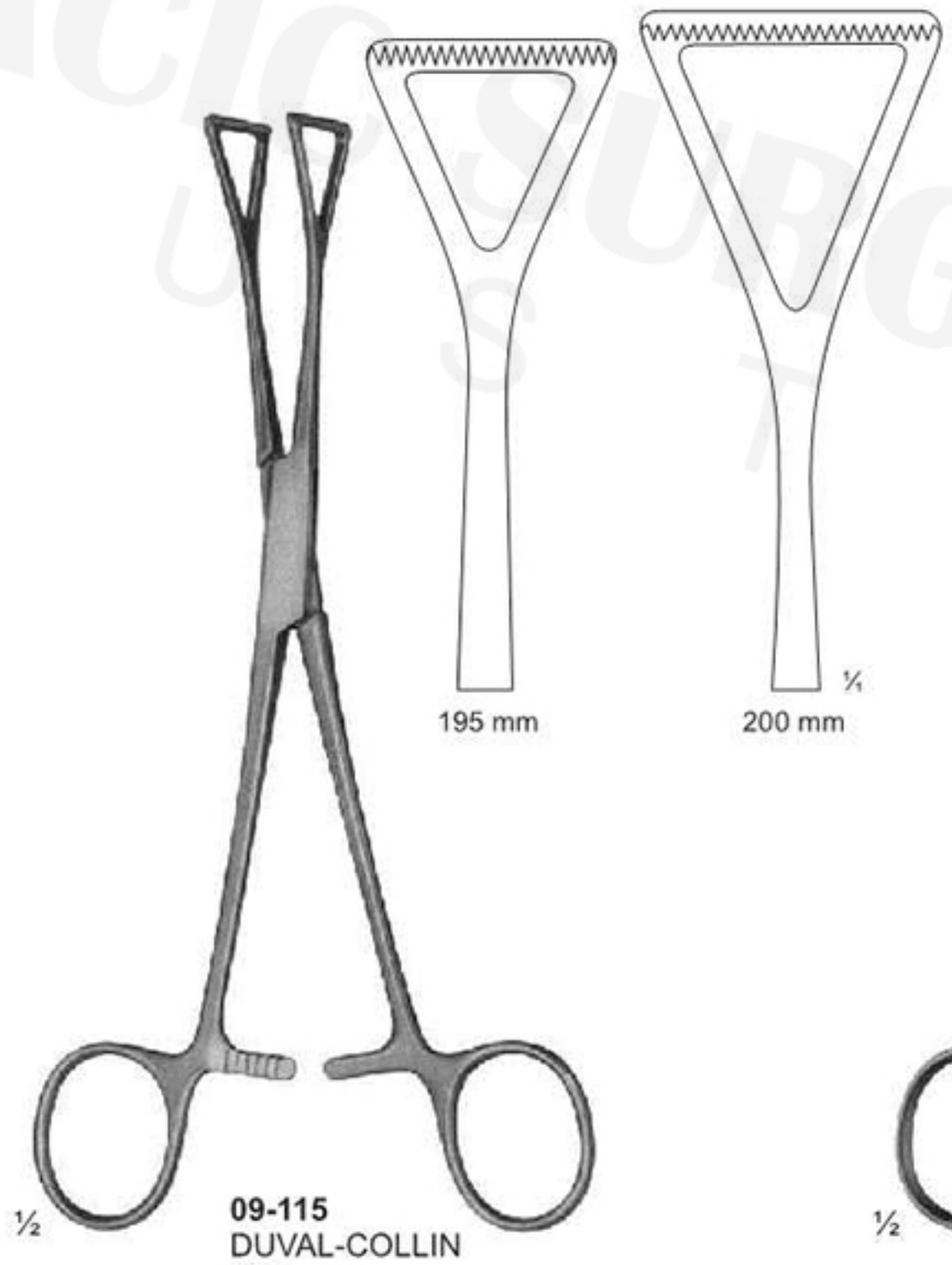

**09-112**
BABCOCK
220 mm



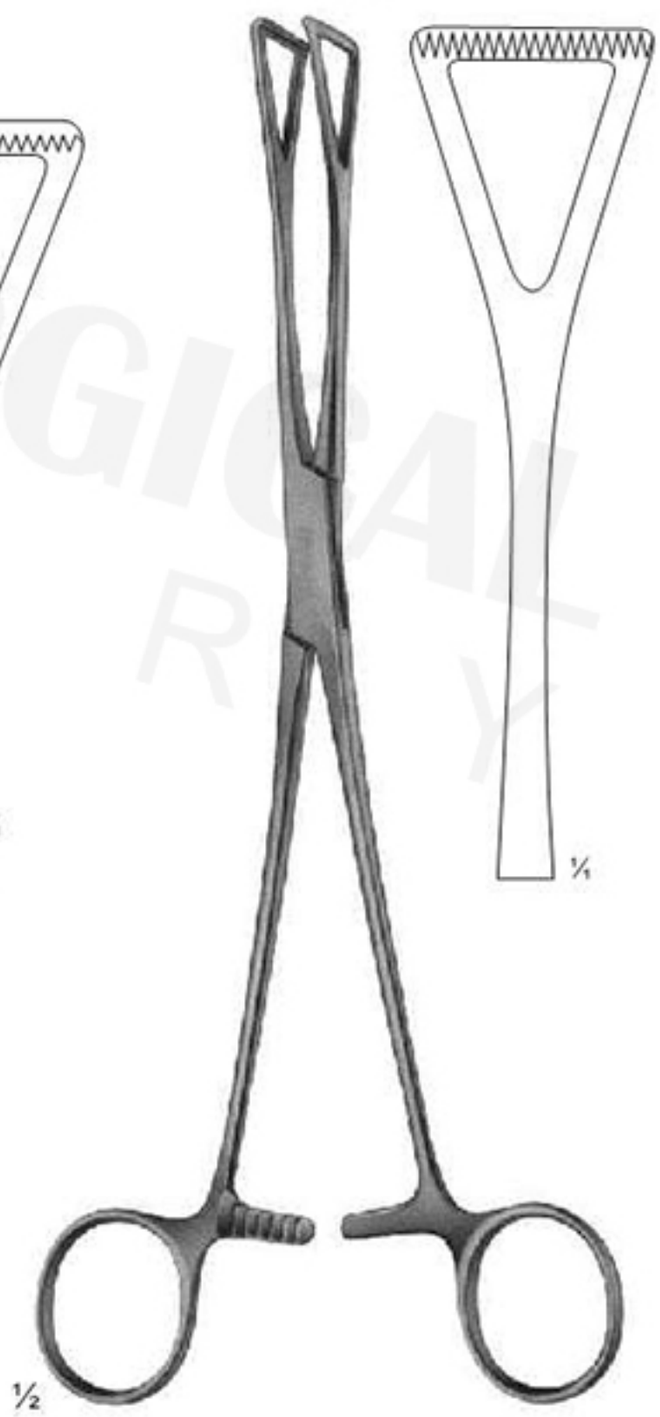

**09-113**
COLLIN
140 mm,




**09-114**
LOCKWOOD
200 mm,

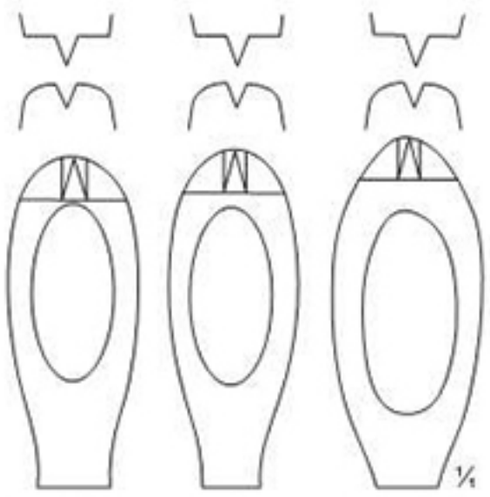



**09-115**
DUVAL-COLLIN
195 mm
**09-116**
200 mm

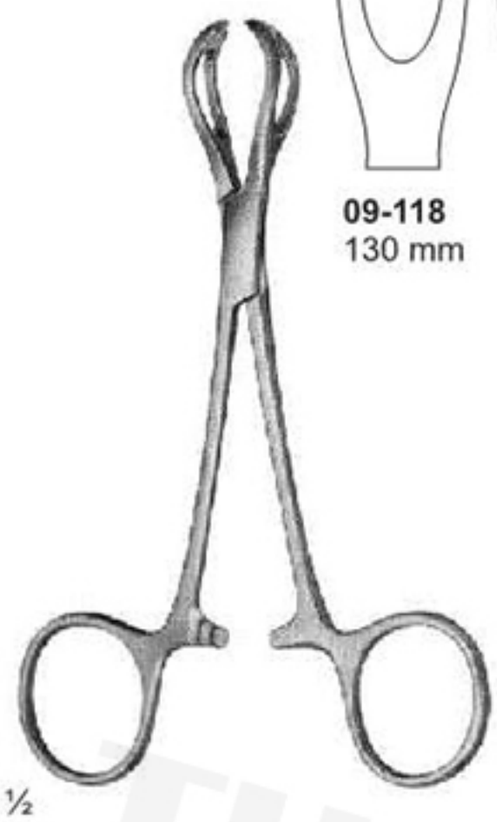



**09-117**
DUVAL
230 mm,

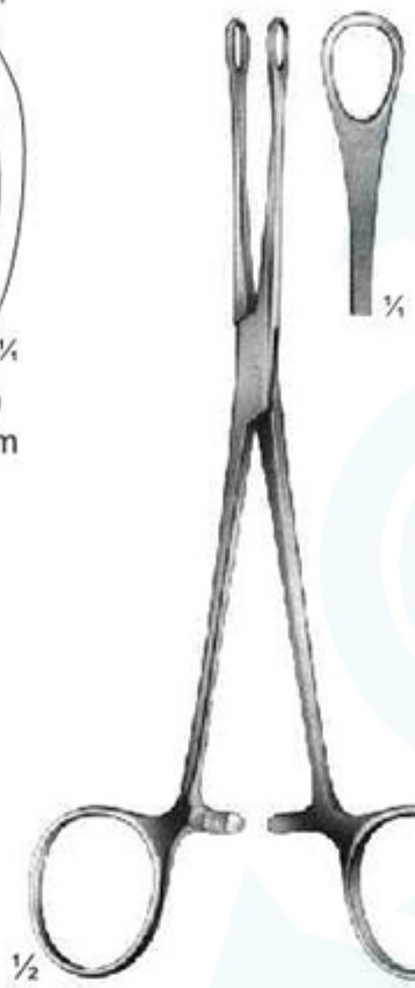
# Organ - Tissue Grasping, Dissecting & Intestinal Forceps



**09-118** 130 mm
**09-119** 155 mm
**09-120** 195 mm



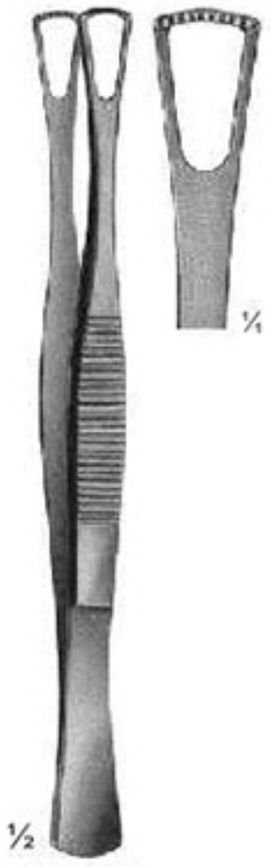
**09-118-120**
LANE



**09-121**
WILLIAMS
160 mm



**09-122**
DENIS
BROWNE
190 mm



**09-123**
DUVAL
140 mm



**09-124 09-125**
DUROGRIP

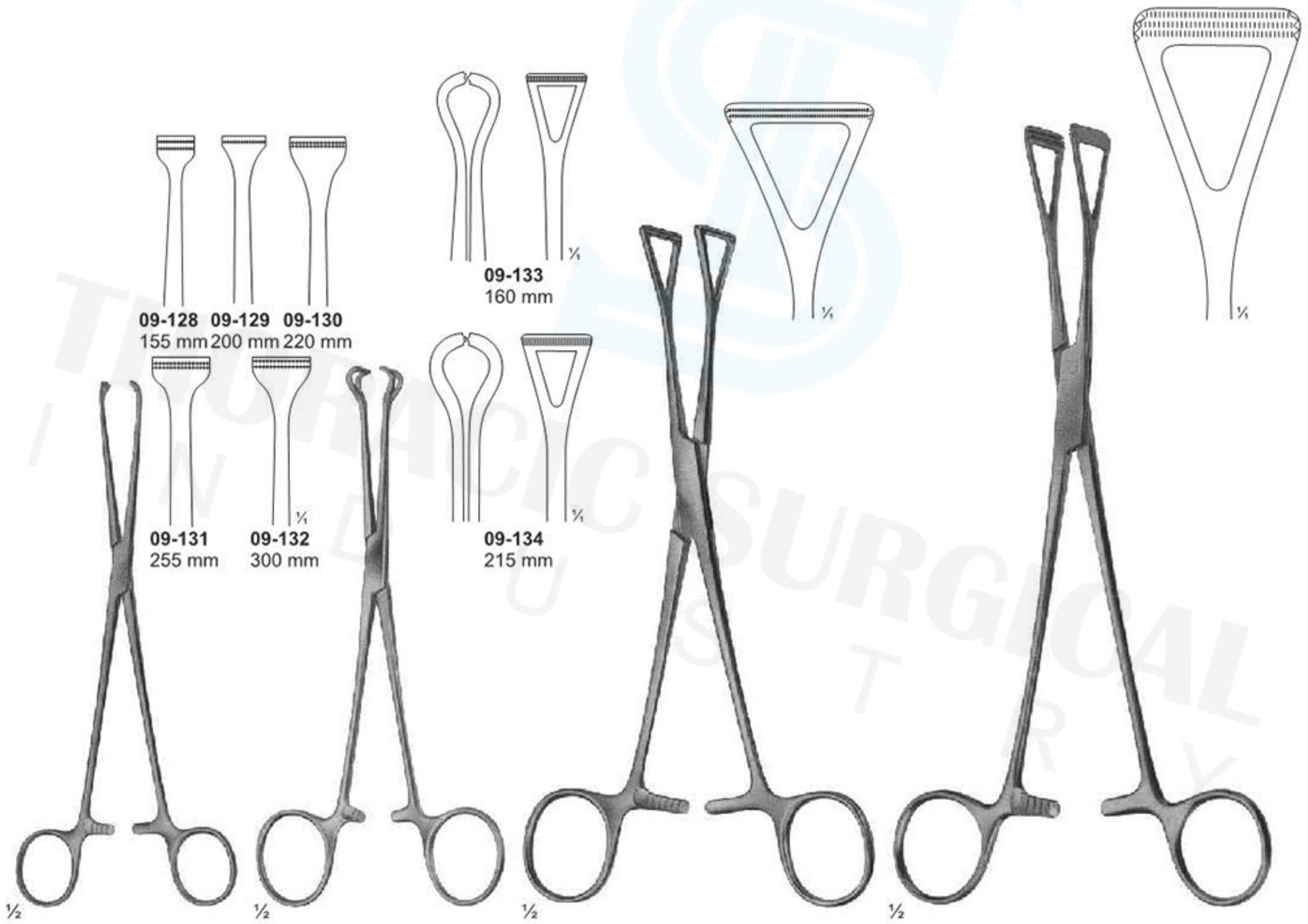
**09-124**
WANGENSTEEN
150 mm
**09-125**
230 mm



**09-126**
WANGENSTEEN
150 mm
**09-127**
230 mm

THORACIC SURGICAL INDUSTRY

# Organ - Tissue Grasping, Dissecting & Intestinal Forceps



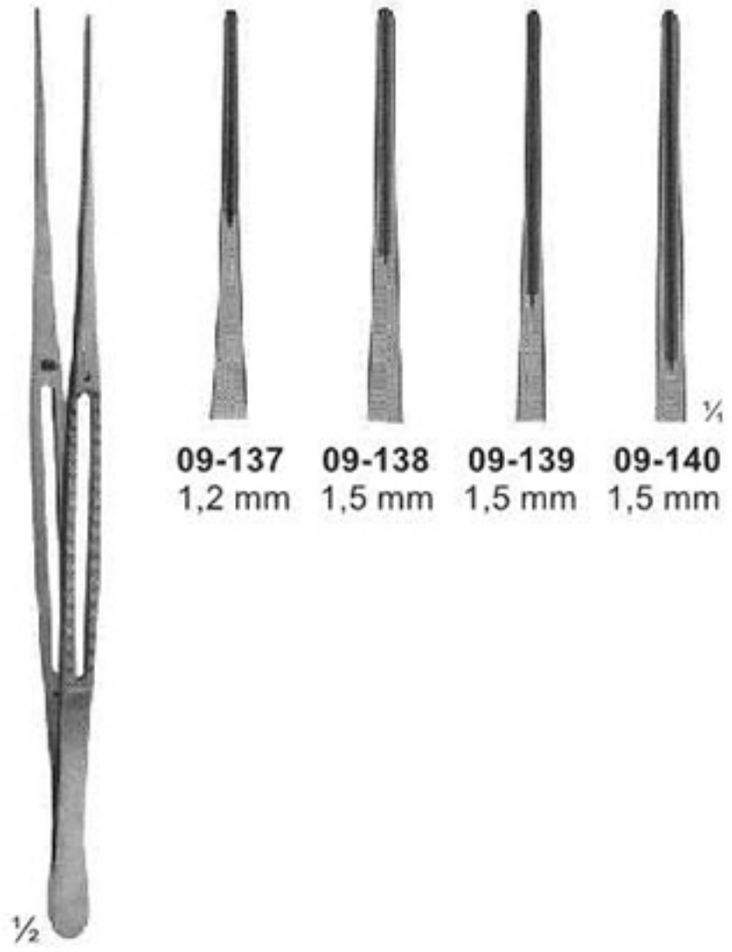

**09-128 - 132**
ALLIS

**09-133 - 134**
BABCOCK

**09-135**
COLLIN
195 mm

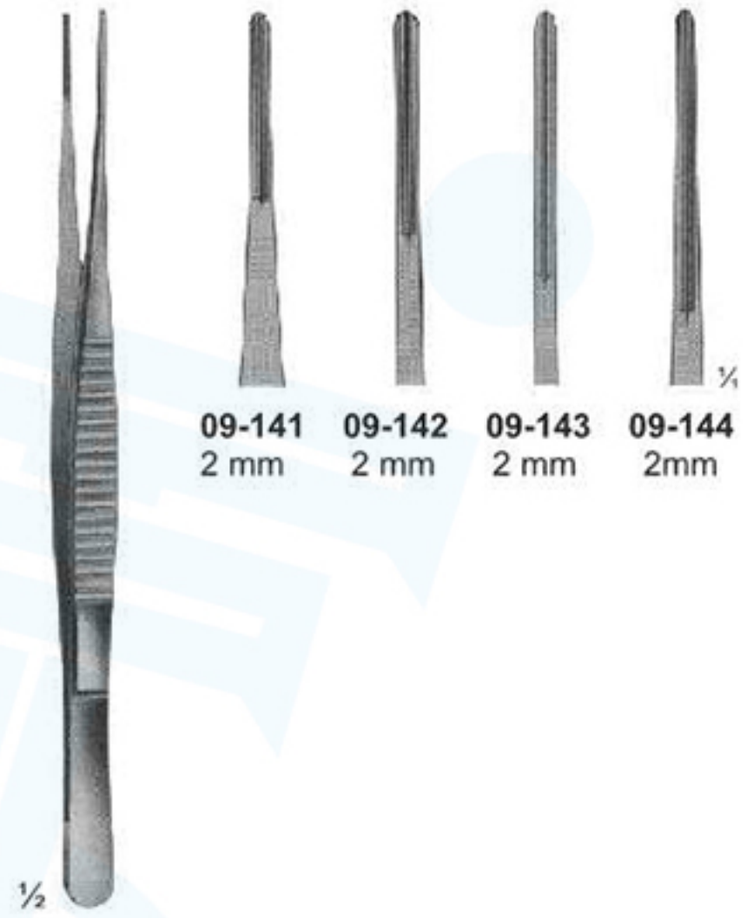
**09-136**
COLLIN
230 mm

# Ultra - Light - Forceps, Dissecting Forceps



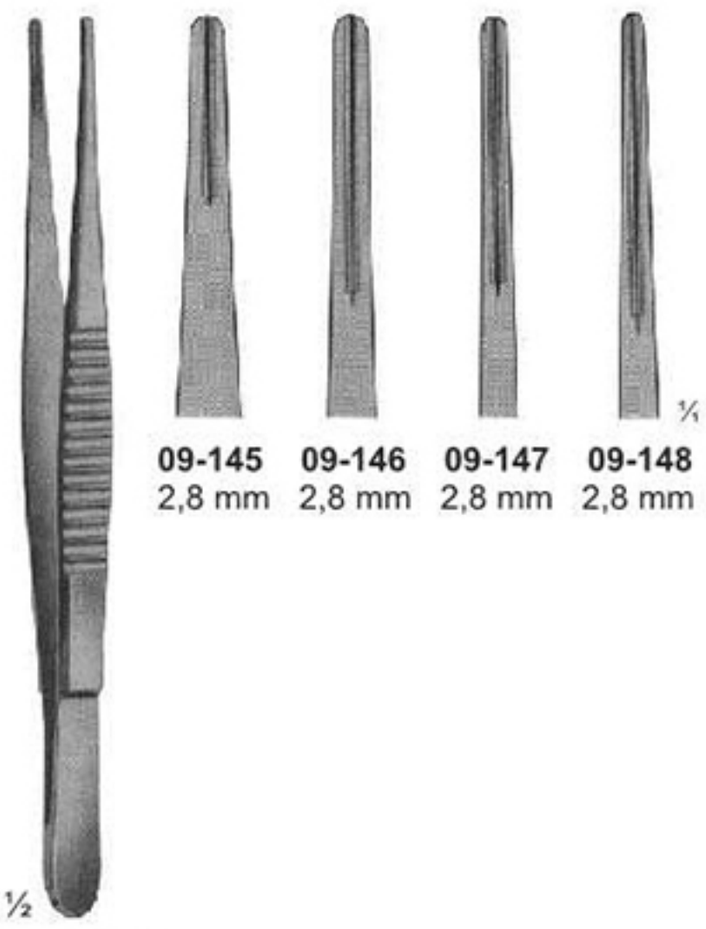
**09-137** 1,2 mm
**09-138** 1,5 mm
**09-139** 1,5 mm
**09-140** 1,5 mm

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



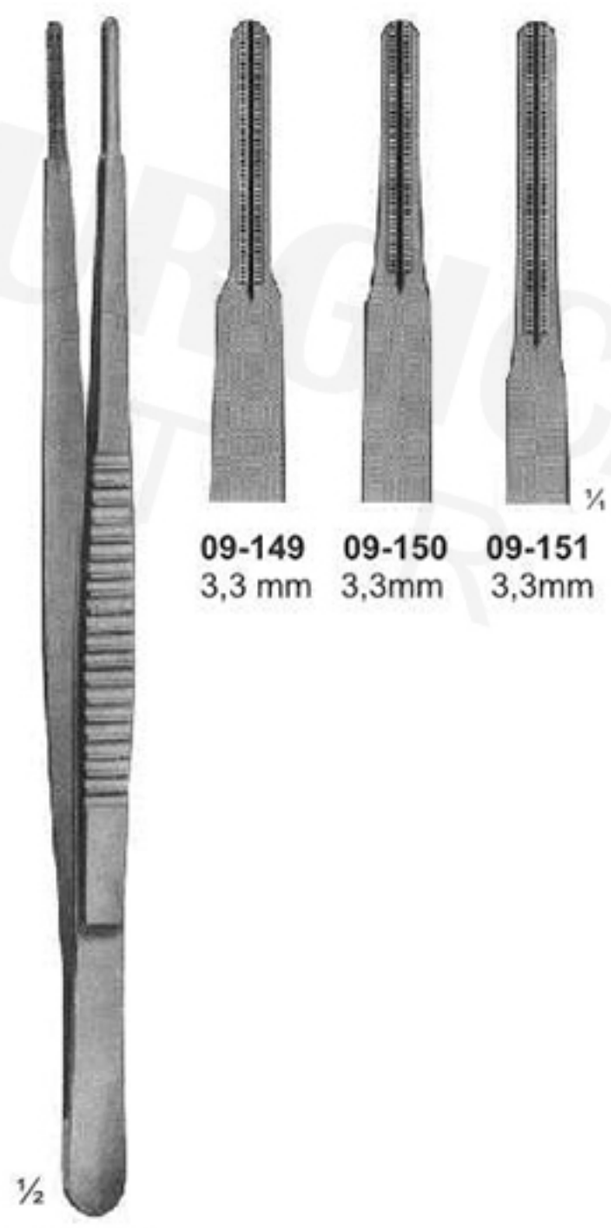
**09-141** 2 mm
**09-142** 2 mm
**09-143** 2 mm
**09-144** 2mm

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



**09-145** 2,8 mm
**09-146** 2,8 mm
**09-147** 2,8 mm
**09-148** 2,8 mm

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

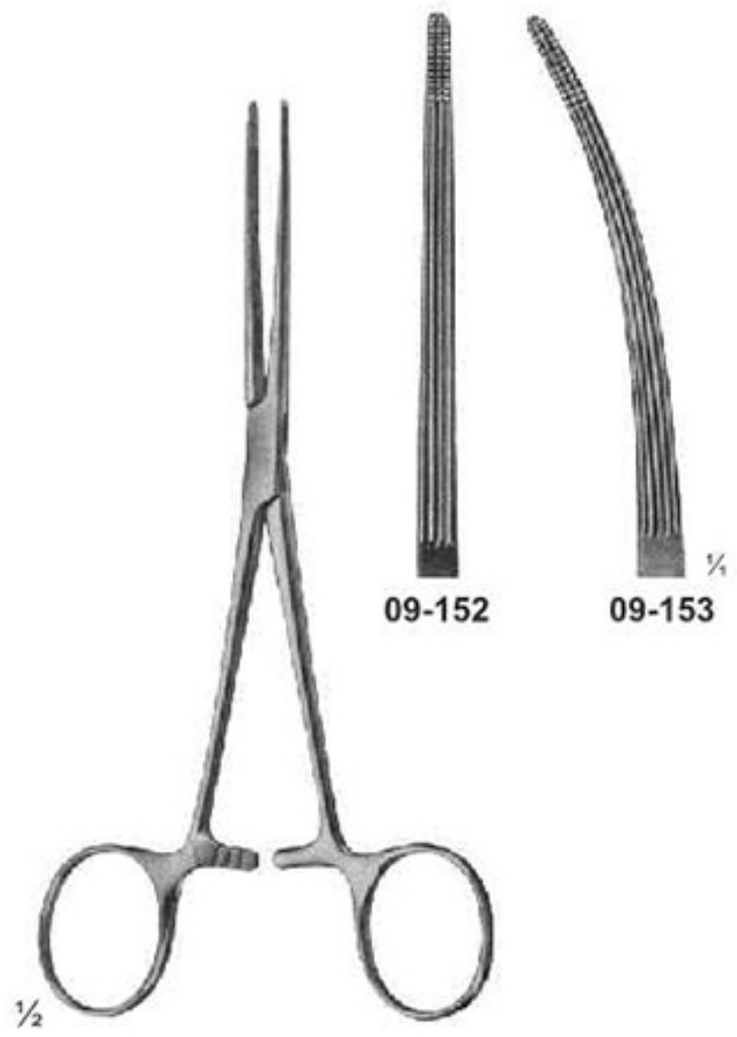


**09-149** 3,3 mm
**09-150** 3,3mm
**09-151** 3,3mm

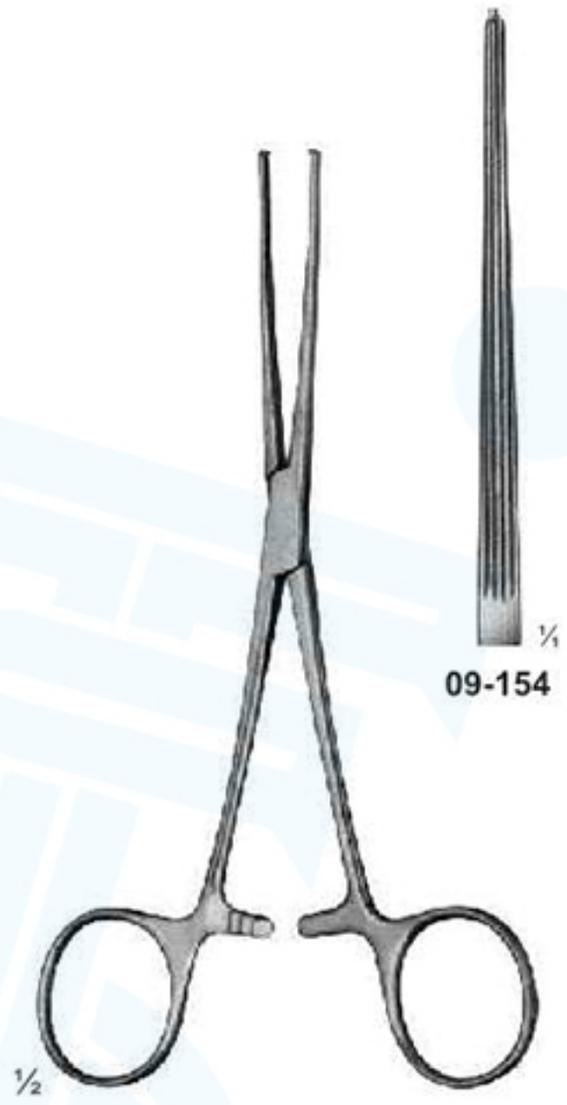
DE BAKEY
**09-149** 200 mm
**09-150** 240 mm
**09-151** 300 mm

THORACIC SURGICAL INDUSTRY

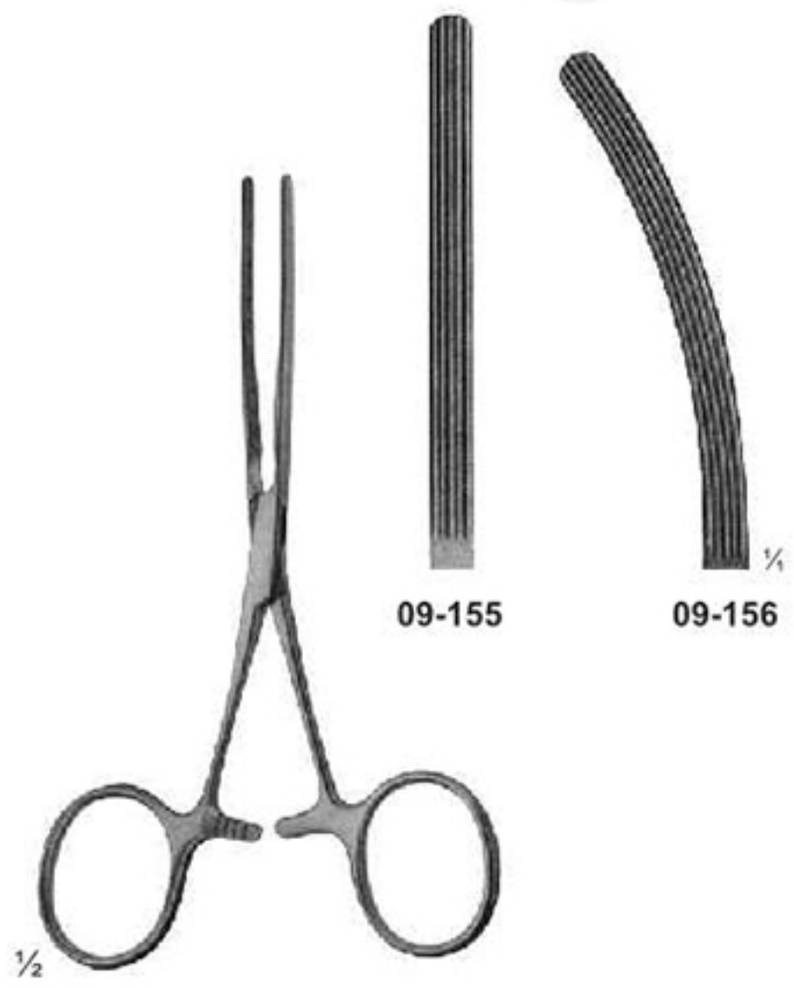
# Intestinal Clamps for Children



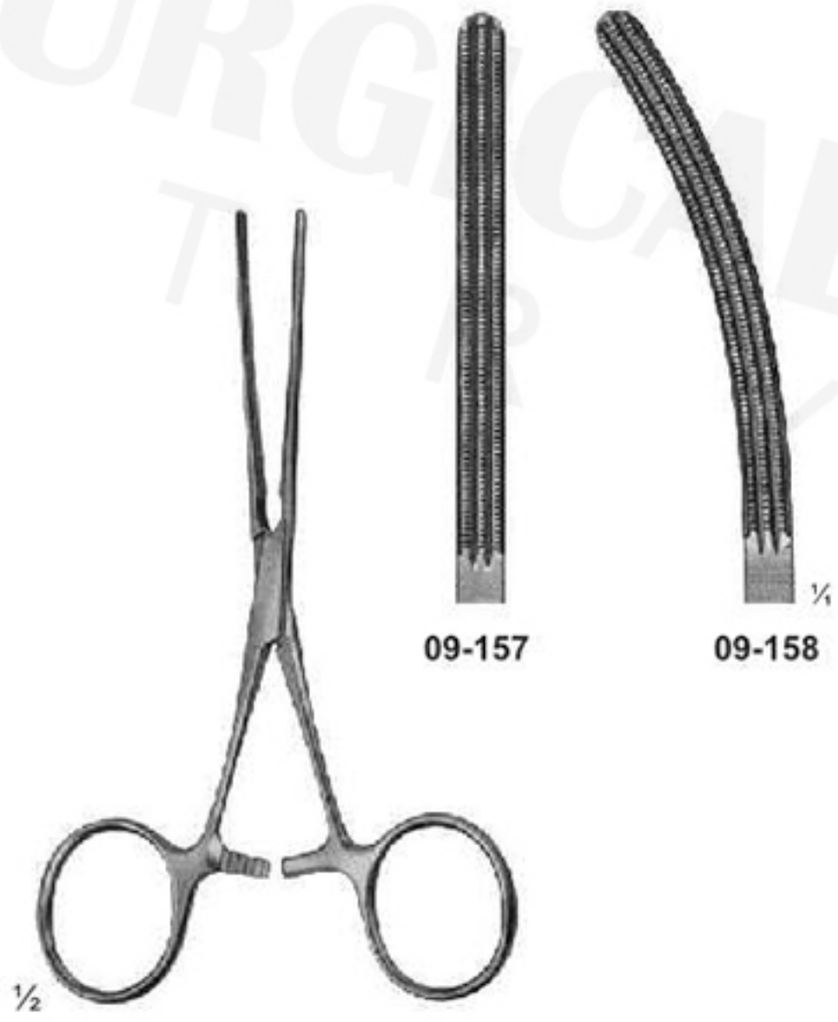

**09-152 - 153**
BAINBRIDGE
155 mm




**09-154**
ALLEN
155 mm



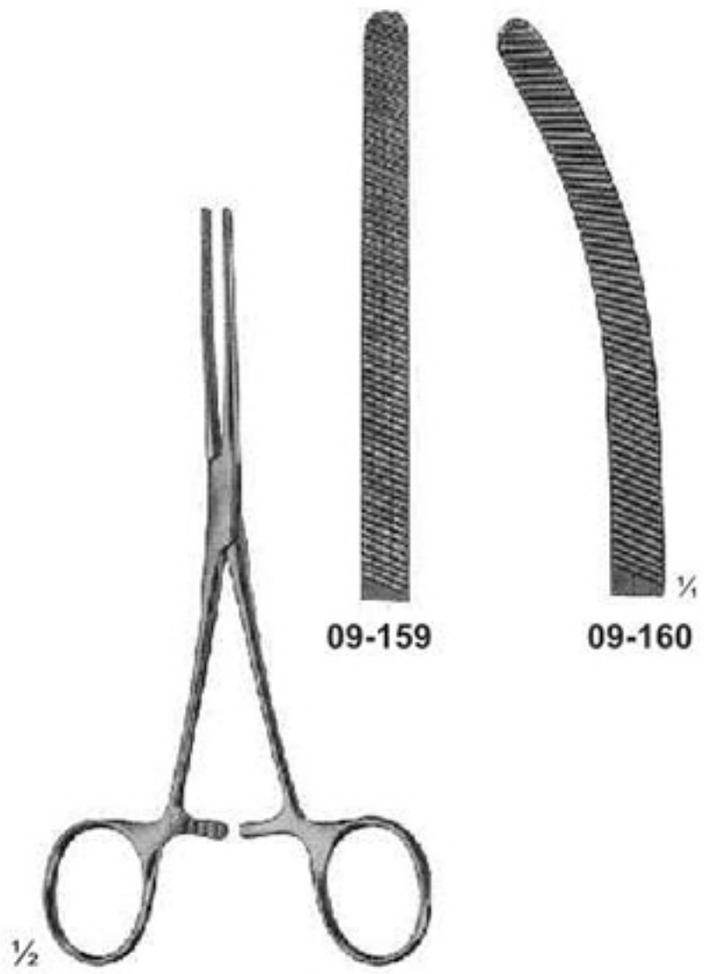

**09-155 - 156**
BABY-KOCHER
very elastic blades
130 mm



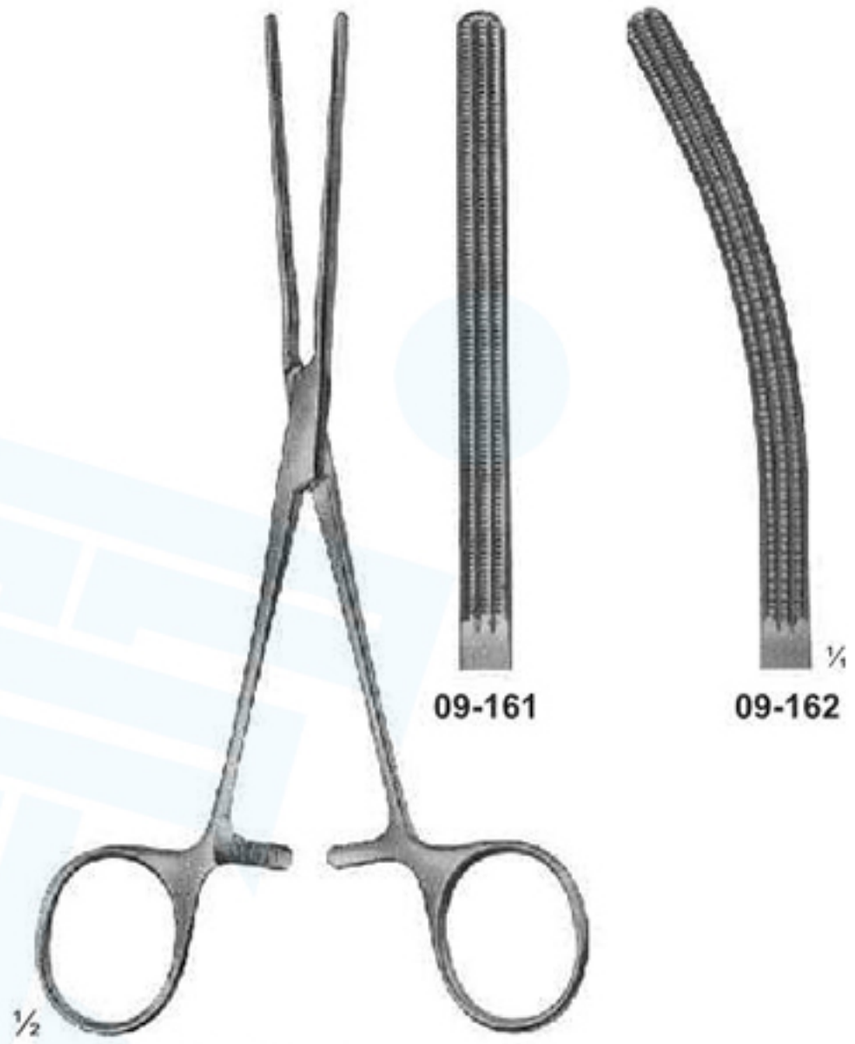

**09-157 - 158**
BABY-KOCHER
with elastic blades
130 mm

THORACIC SURGICAL INDUSTRY

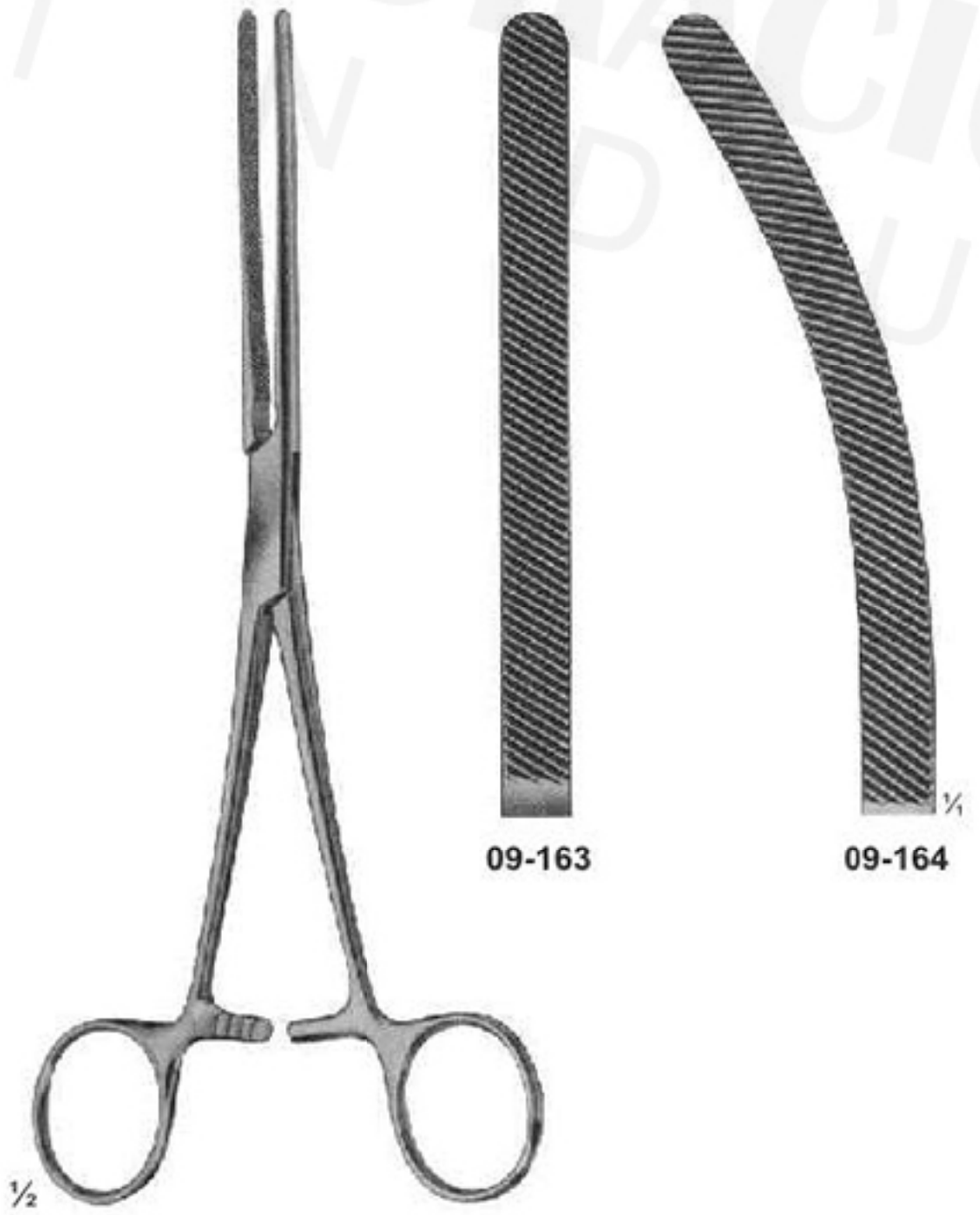
# Intestinal Clamps, Soft Elastic




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




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

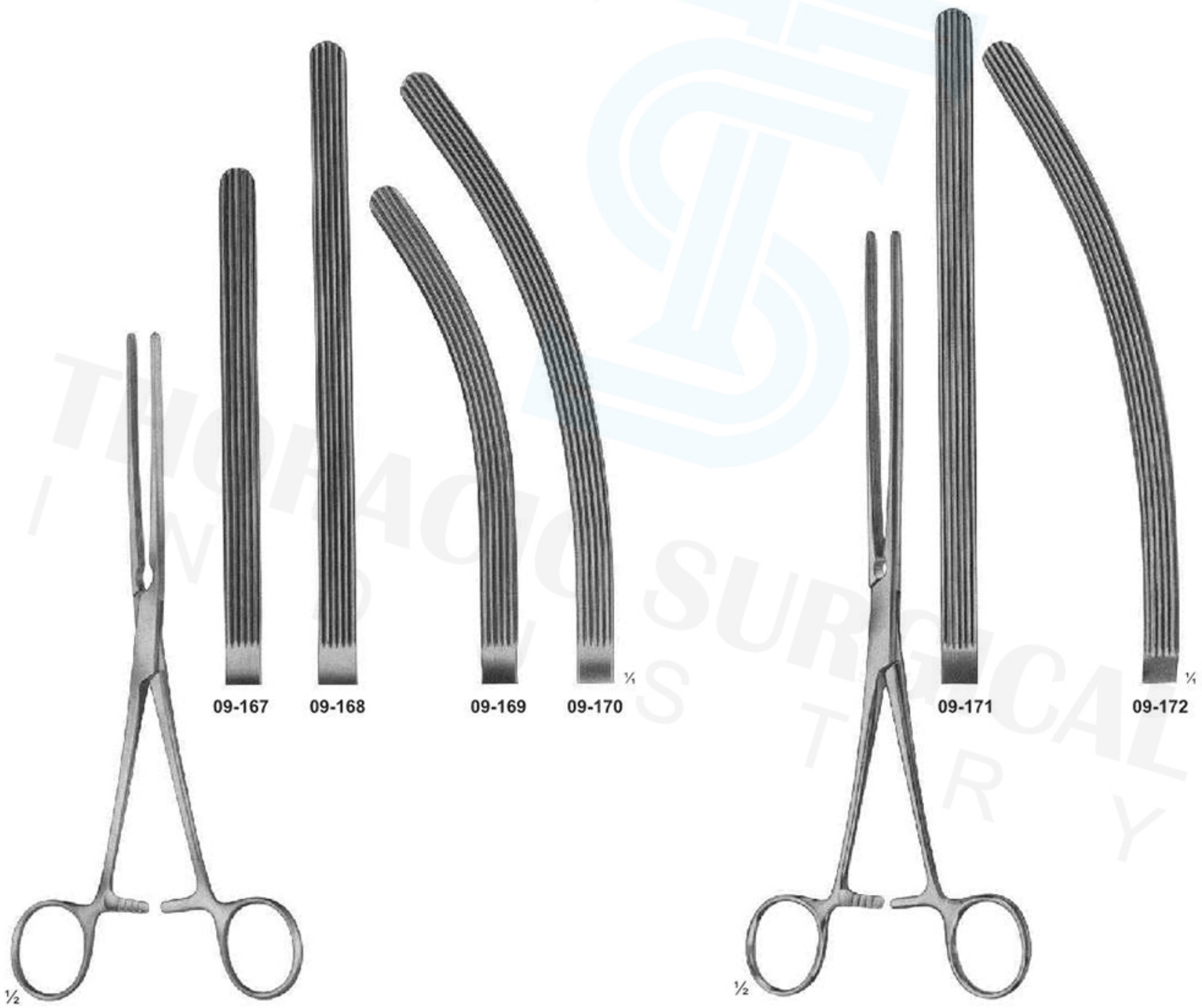



**09-163 - 164**
HARTMANN
with elastic blades
200 mm




**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

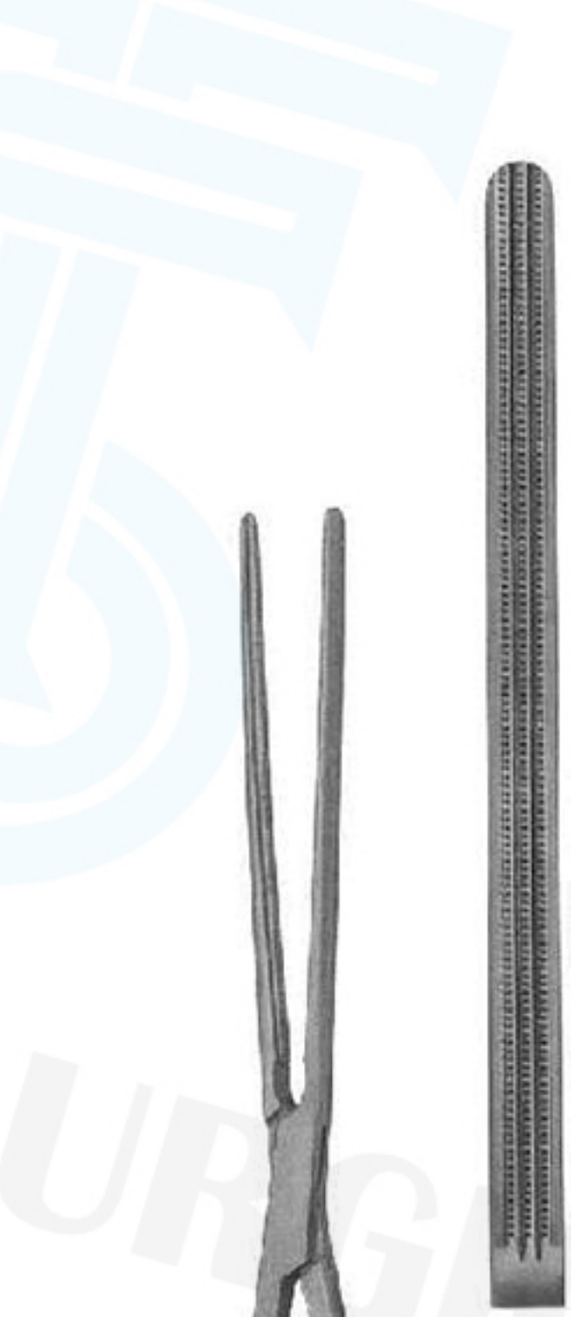


09-174



½

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



09-175



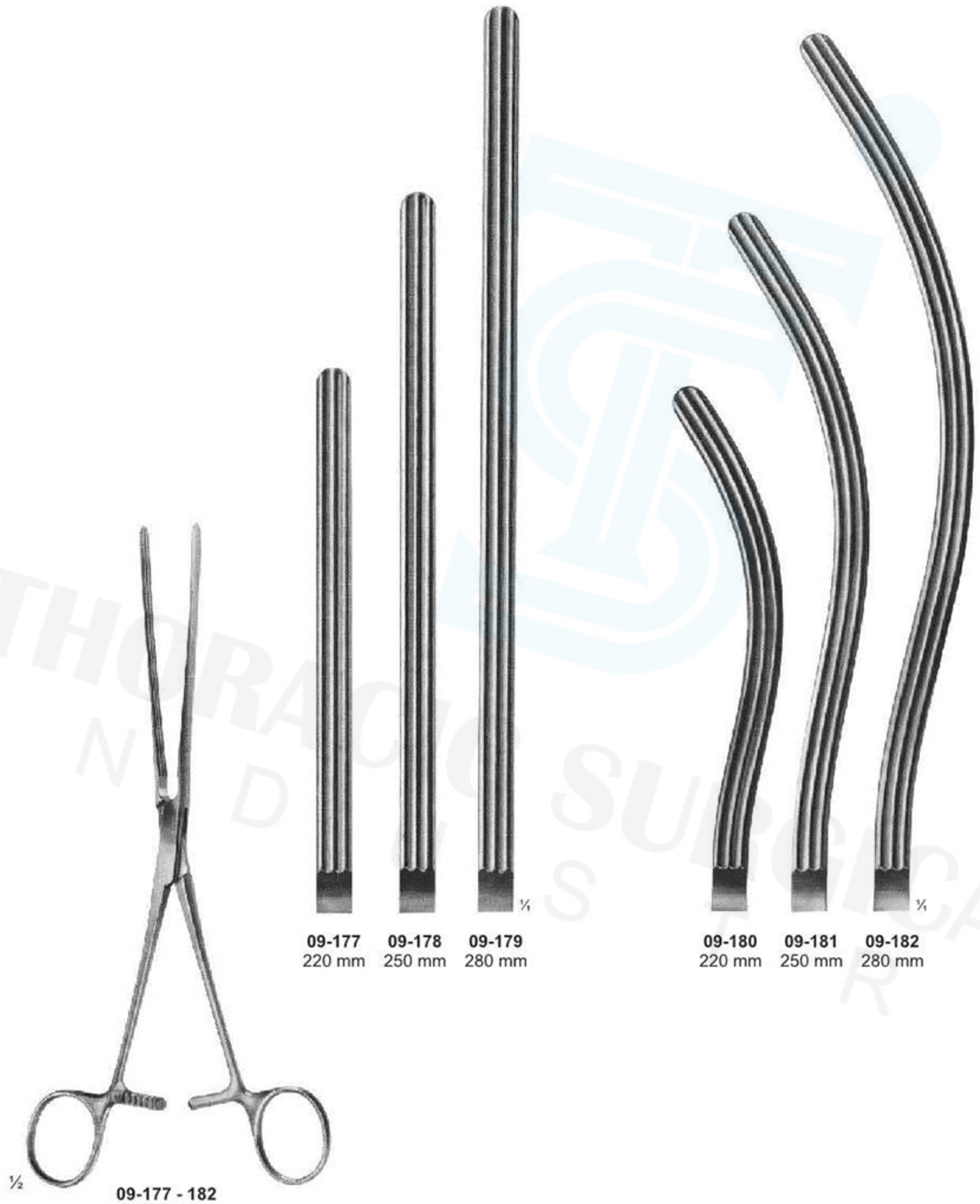
09-176



½

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

# Intestinal Clamps, Soft elastic



½

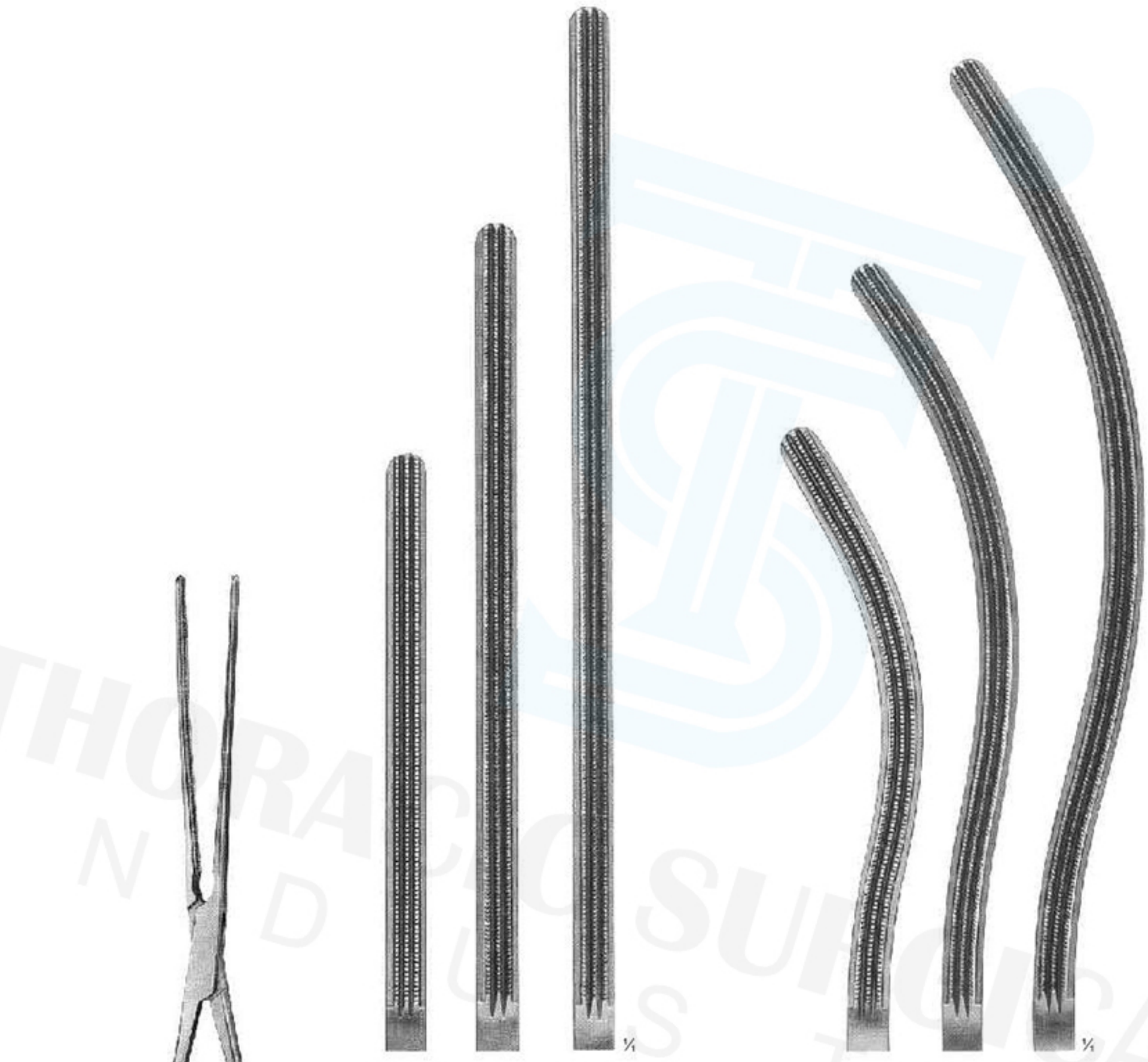
**09-177 - 182**
KOCHER
with very elastic blades

| 09-177 | 09-178 | 09-179 | 09-180 | 09-181 | 09-182 |
|---|---|---|---|---|---|
| 220 mm | 250 mm | 280 mm | 220 mm | 250 mm | 280 mm |

¼

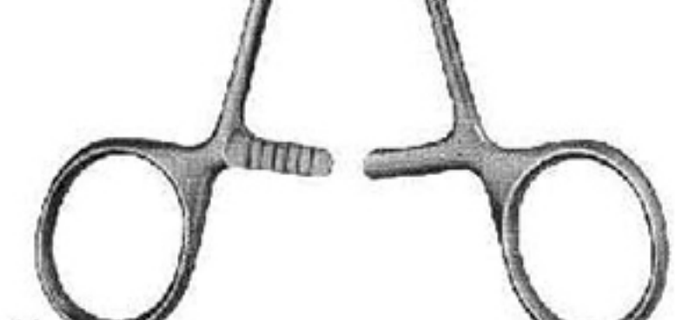
THORACIC SURGICAL INDUSTRIES

# Intestinal Clamps, Soft elastic



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

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



09-183 - 188
KOCHER
with very elastic blades

# Intestinal Clamps

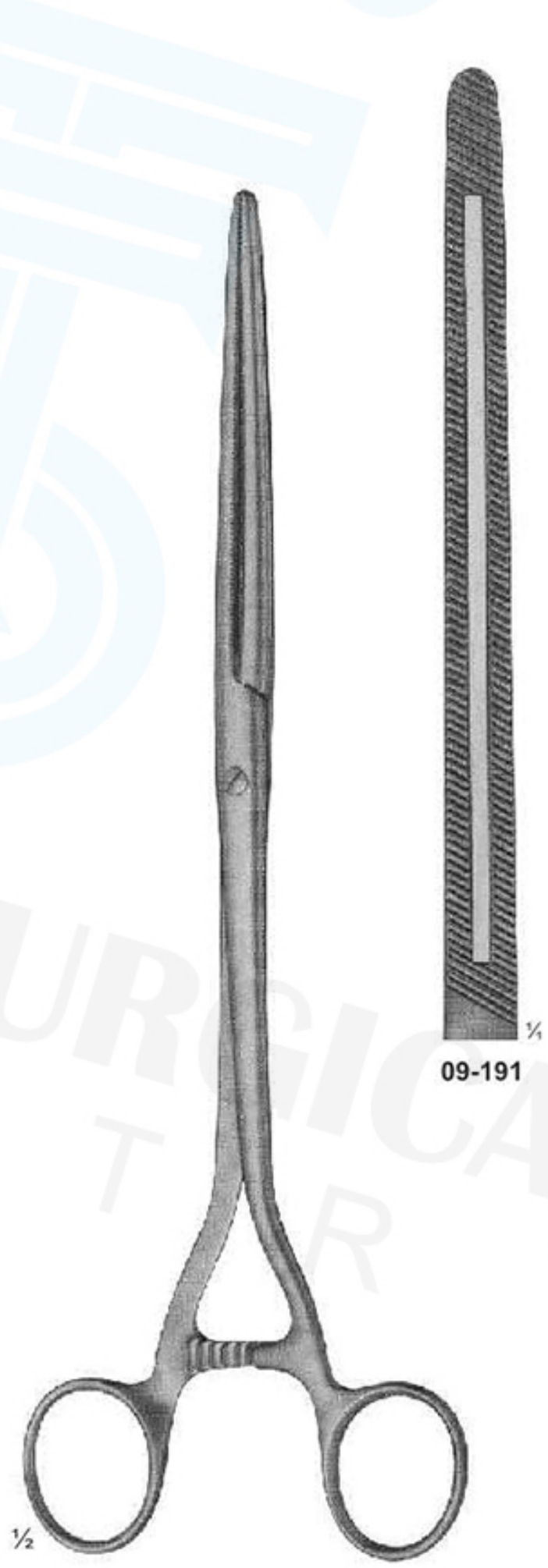


09-189



09-190

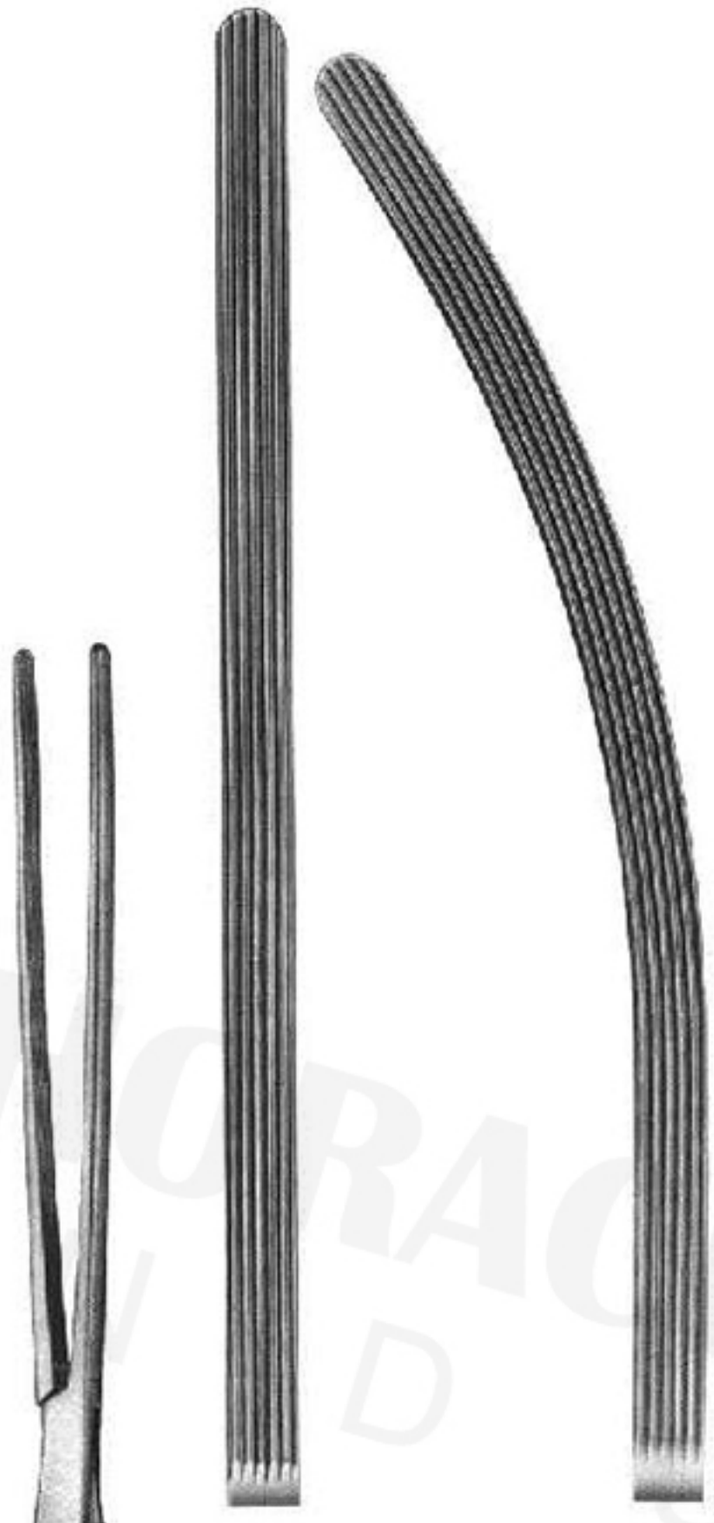
**09-189 - 190**
NUSSBAUM
with elastic blades
250 mm



09-191

**09-191**
MOYNIHAN
280 mm

# Intestinal Clamps



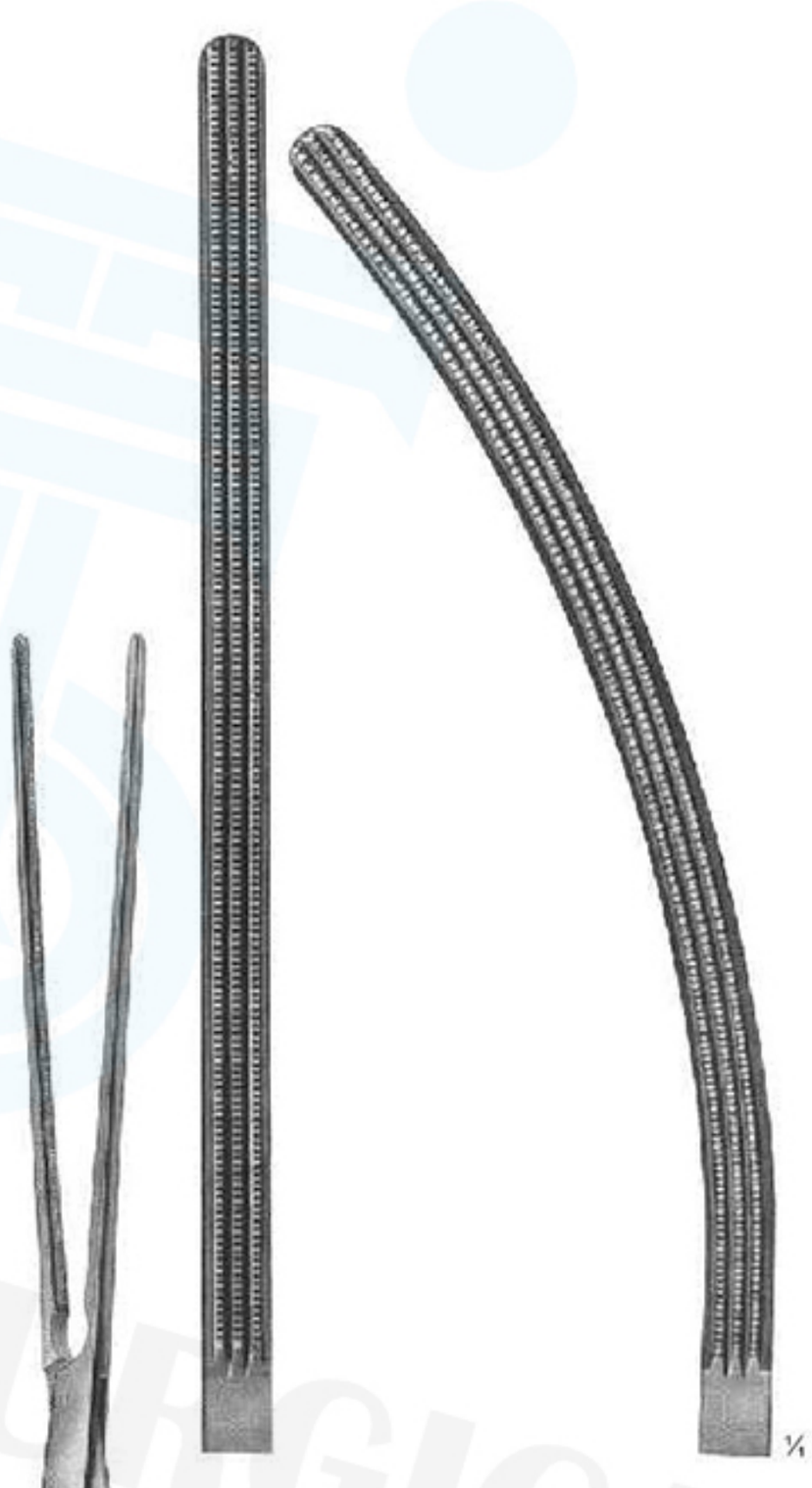

09-192




09-193




**09-192 - 193**
MAYO-ROBSON
hard elastic
250 mm




09-194




09-195




**09-194 - 195**
MAYO-ROBSON
250 mm

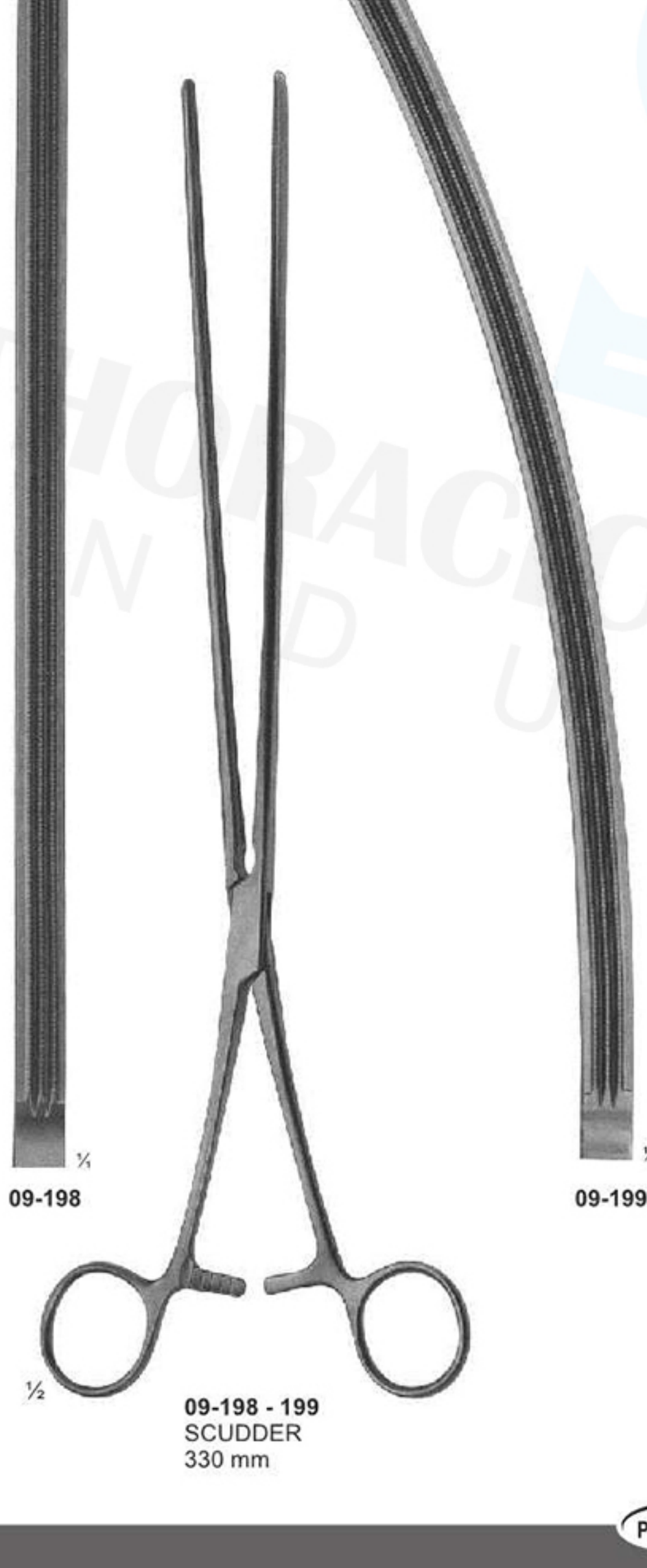
# Gastro-Intestinal Forceps, twin




**09-196**
LANE
300 mm

**09-197**
LANE
300 mm

# Stomach Clamps



09-198

09-198 - 199
SCUDDER
330 mm



09-199

09-200
KLEINSCHMIDT
Spur crushers and
Appendectomy clamps
130 mm

# Intestinal and Pylorus Clamps




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

**09-202**
PAYR
200 mm

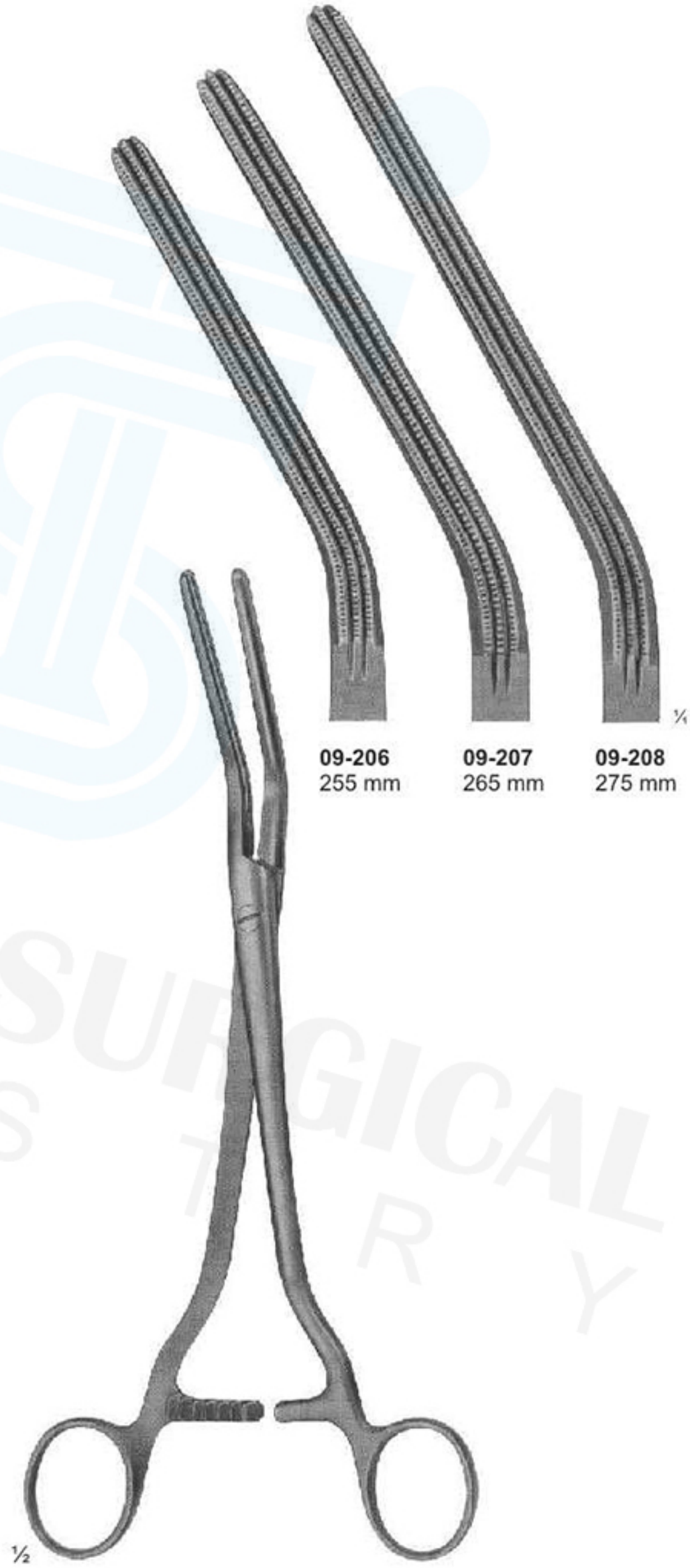
**09-203**
PAYR
275 mm

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

# Anastomosis Forceps




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




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




THORACIC SURGICAL INDUSTRY

# Sigmoid Anastomosis Forceps



09-209 ½

09-210 ½

½

**09-209**
**09-210**
230 mm

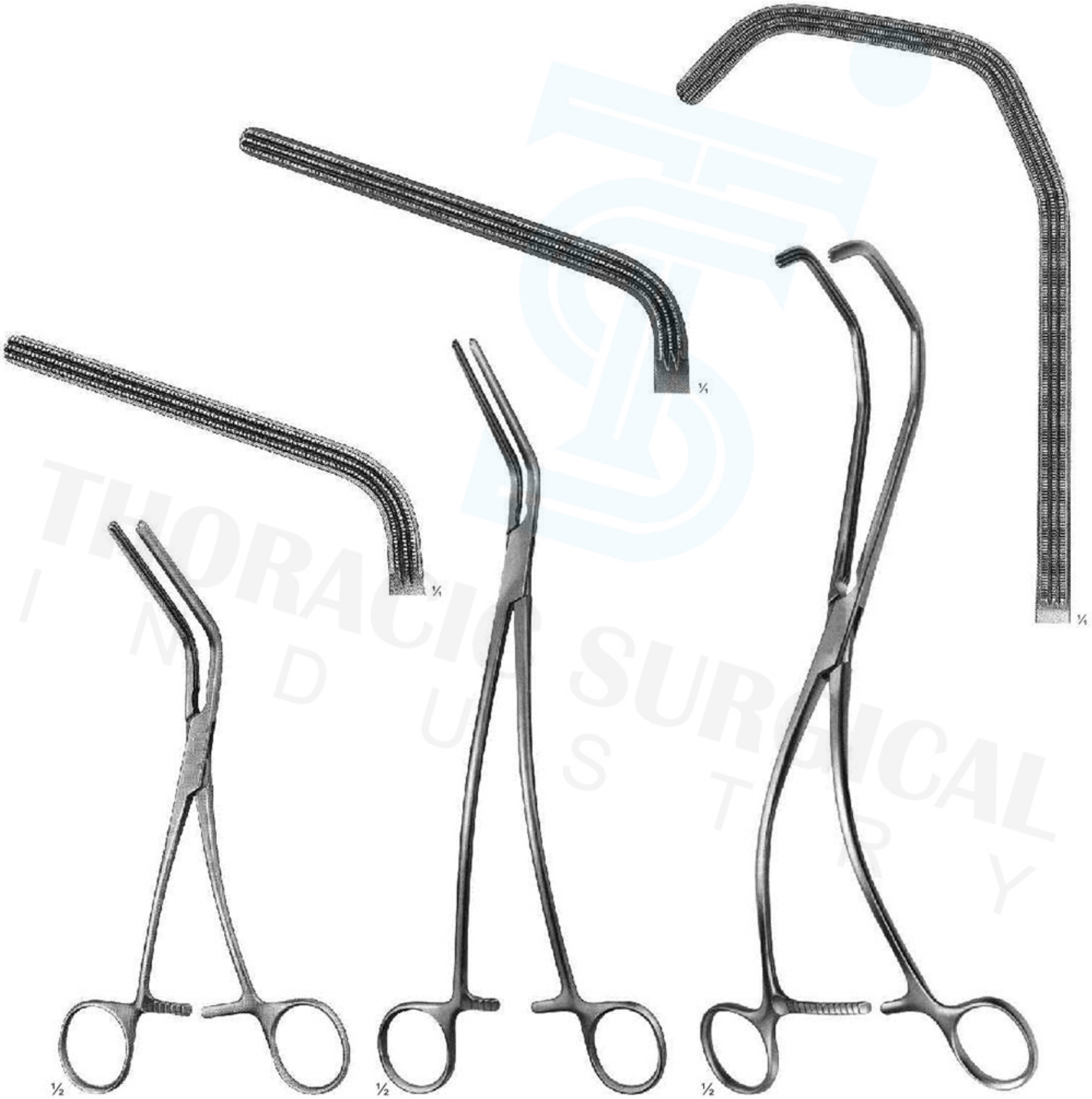


½

**09-211**
LLOYD-DAVIS
315 mm

THORACIC SURGICAL INSTRUMENTS USA

# Sigmoid Anastomosis Forceps




**09-212**
MORRIS
175 mm

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

**09-214**
KERSTING
270 mm

THORACIC SURGICAL INSTRUMENTS

# Rectal Specula







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

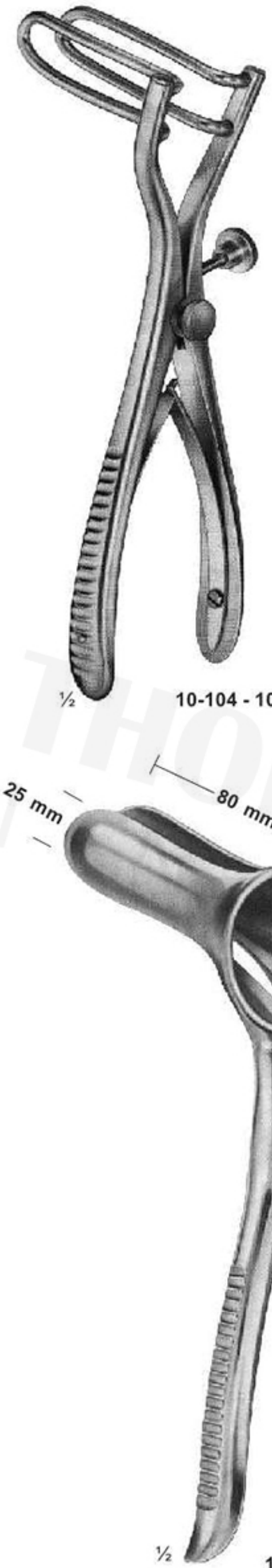



**10-102**
SIMS
160 mm



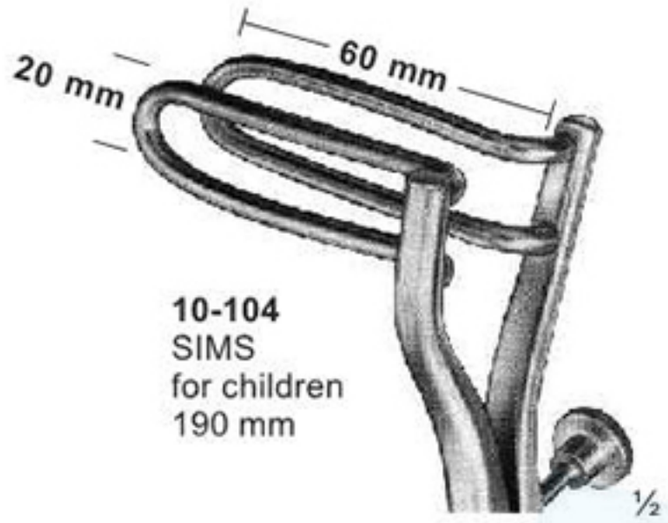

**10-103**
SIMS
160 mm

# Rectal Specula



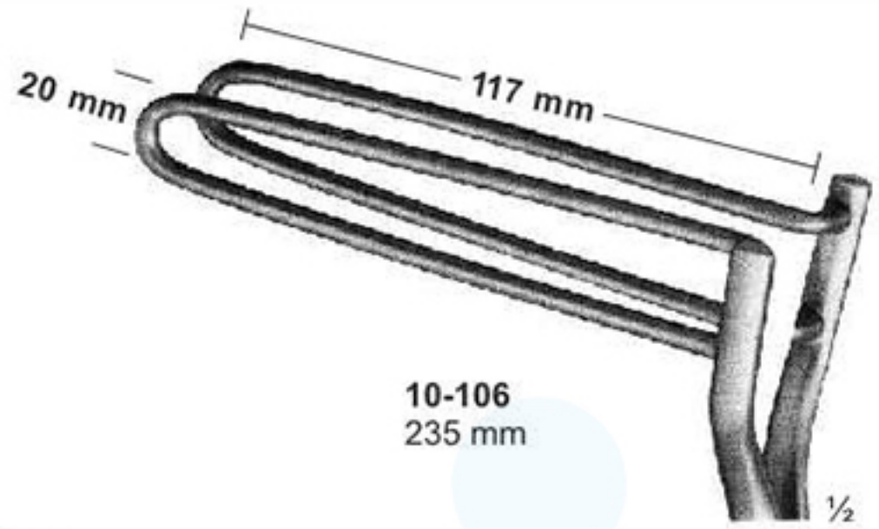
½

**10-104 - 107**



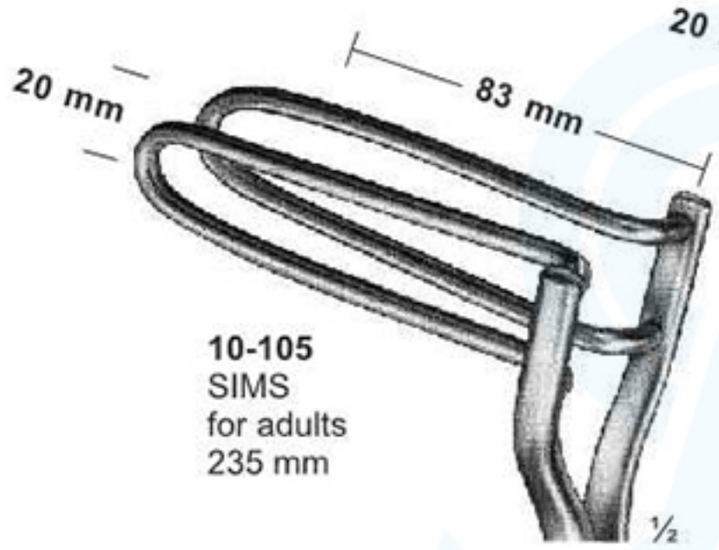

**10-104**
SIMS
for children
190 mm

½



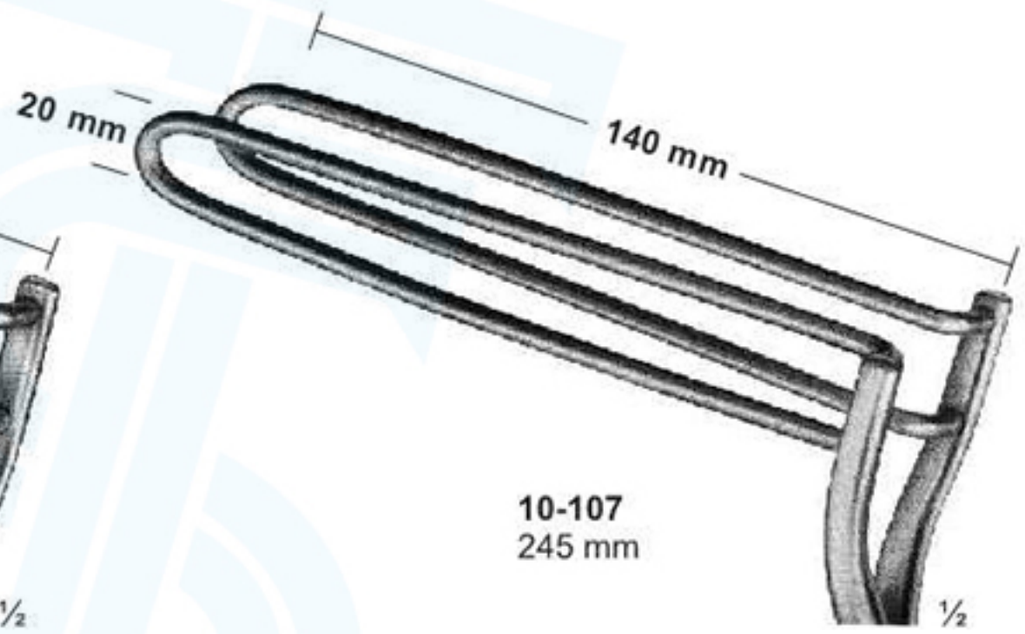

**10-106**
235 mm

½




**10-105**
SIMS
for adults
235 mm

½




**10-107**
245 mm

½




½

**10-108**
PRATT
205 mm



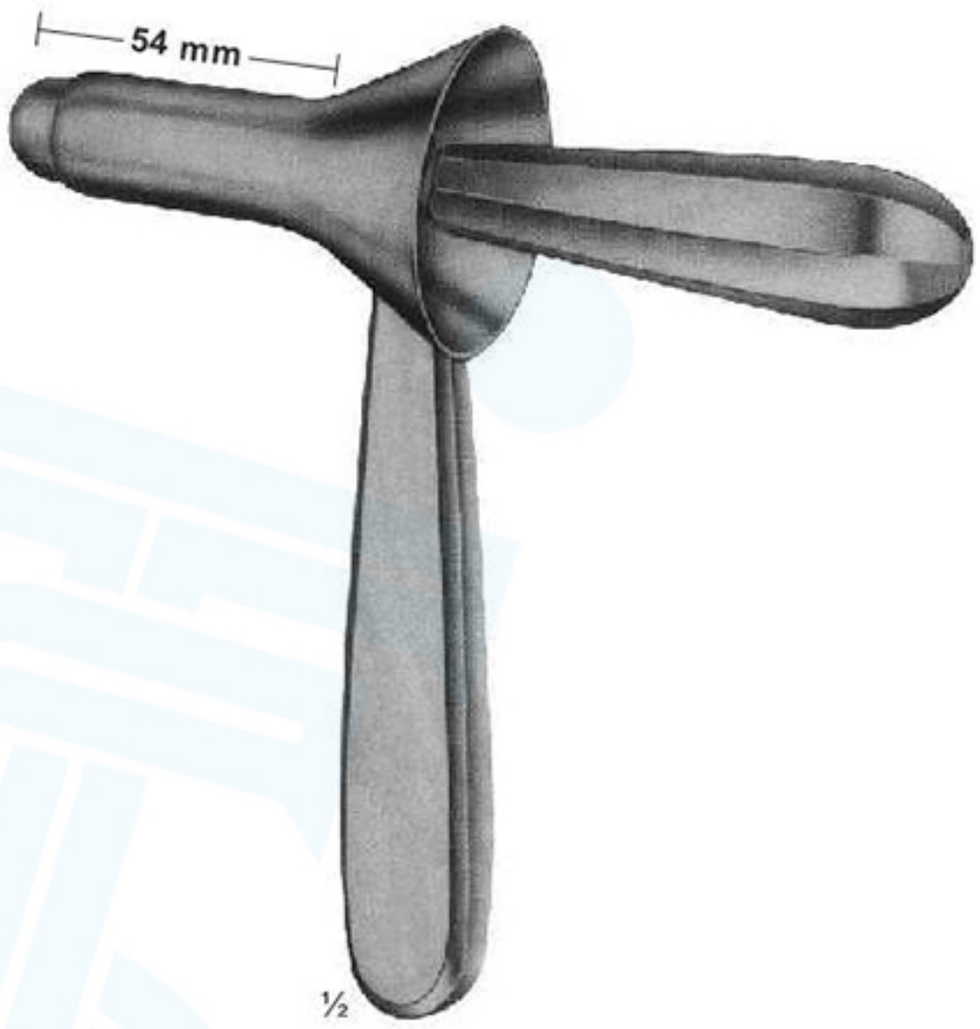

½

**10-109**
MATHIEU
215 mm

# Anuscopes-Sphincteroscopes



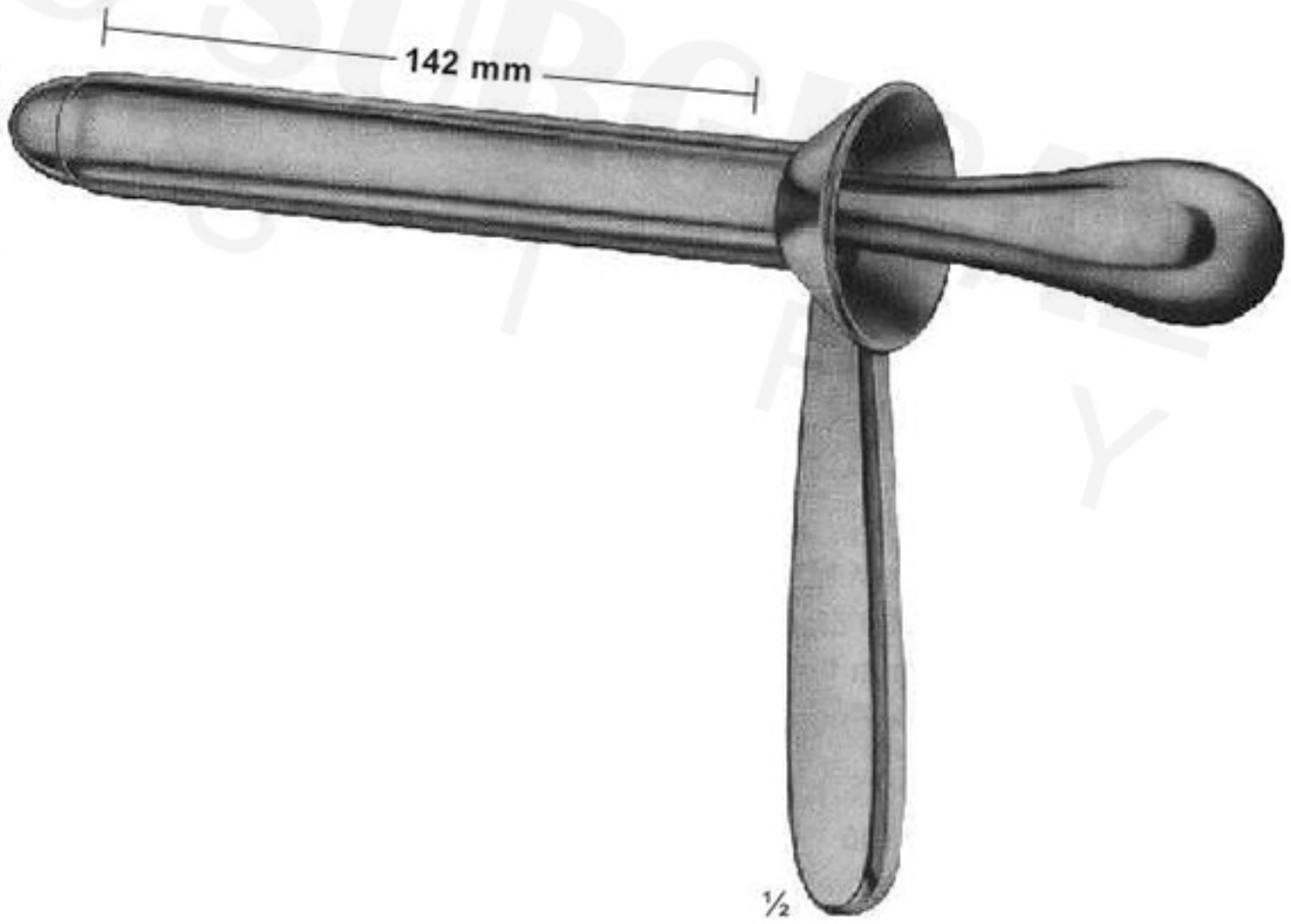

**10-110**
IVES-FANSLER
Anuscops
145 mm




**10-111**
KELLY
Sphincteroscope
160 mm

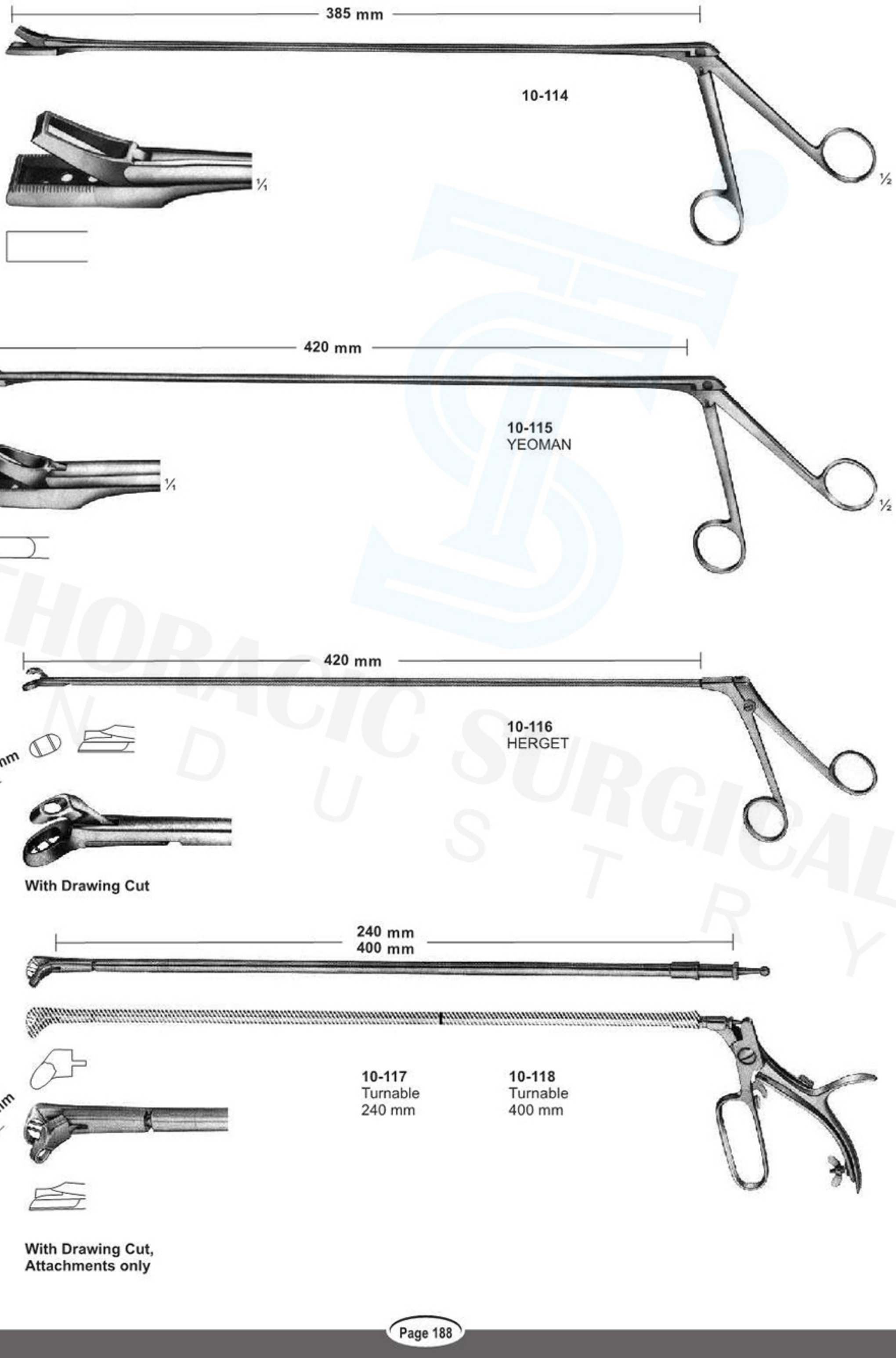



**10-112**
KELLY
Sphincteroscope
160 mm

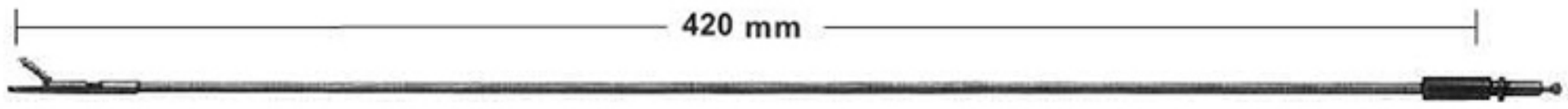



**10-113**
KELLY
Proctoscope
160 mm

# Biopsy forceps for rectum



# Biopsy Forceps & Swab Holders




3,5 mm





1/1

**10-119**

3,5 mm





1/1

**10-120**

4,0 mm



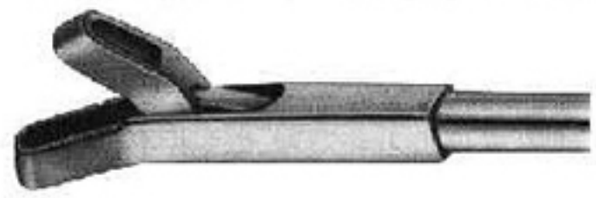


1/1

**10-121**

4,0 mm





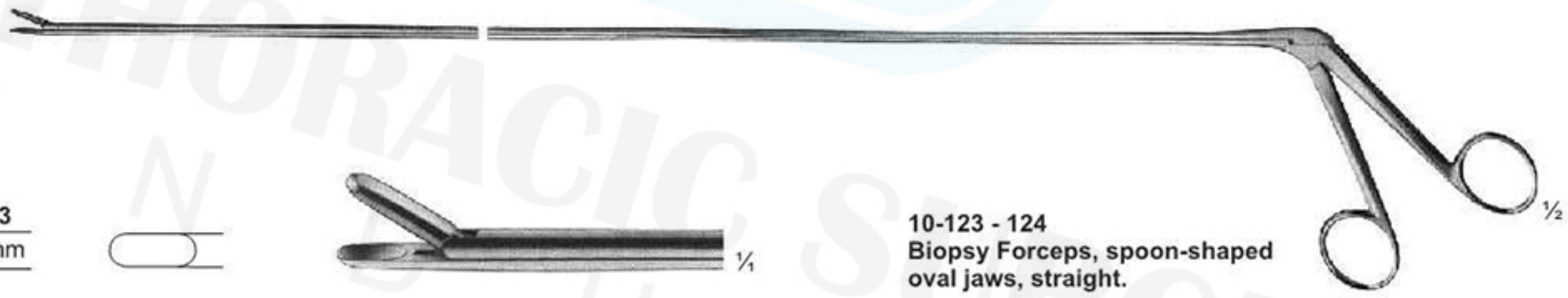
1/1

**10-122**



1/2

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



1/2

**10-123**
3,5 mm



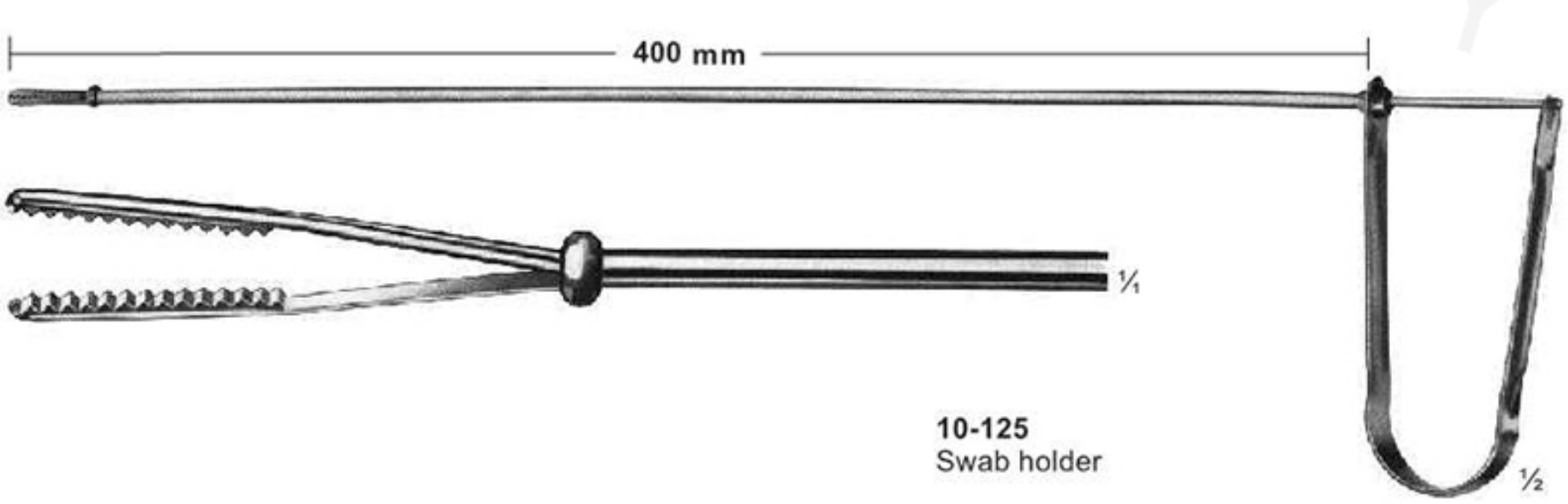


1/1

**10-124**
4, mm



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

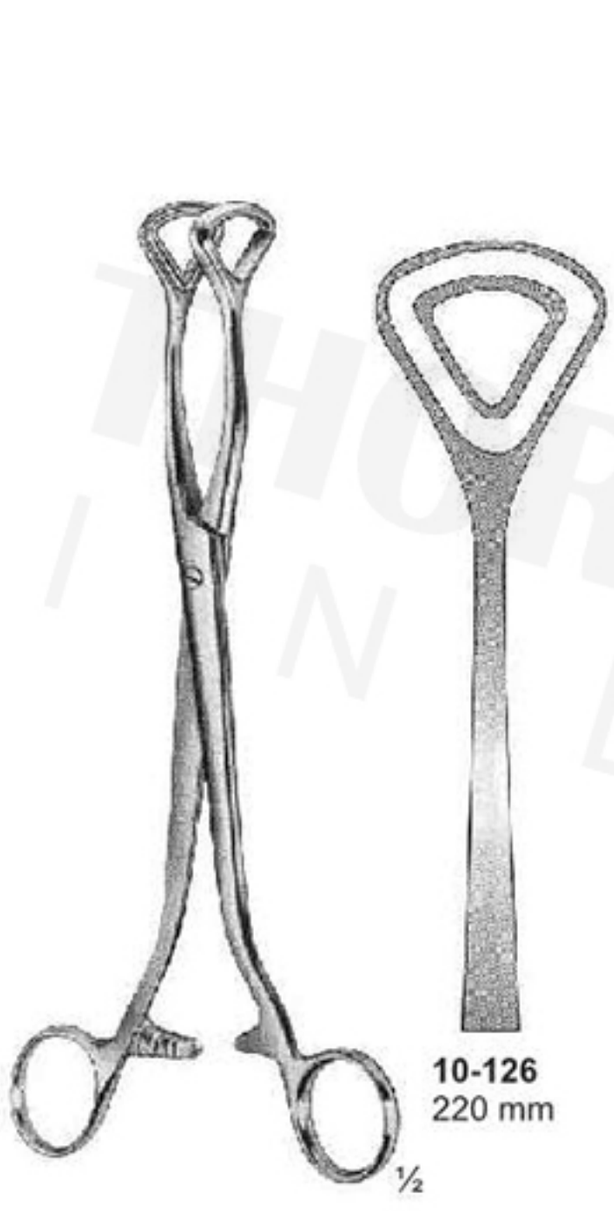



1/1

1/2

**10-125**
Swab holder

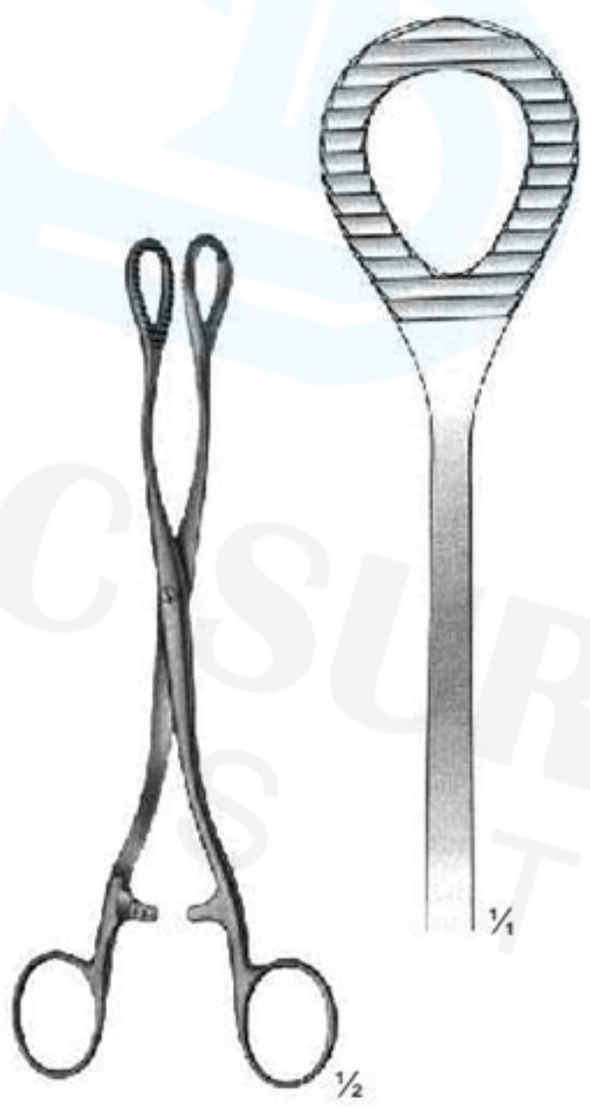
# Haemorrhoidal Forceps




**10-126**
220 mm

**10-127**
245 mm

**10-126 - 127**
LUER

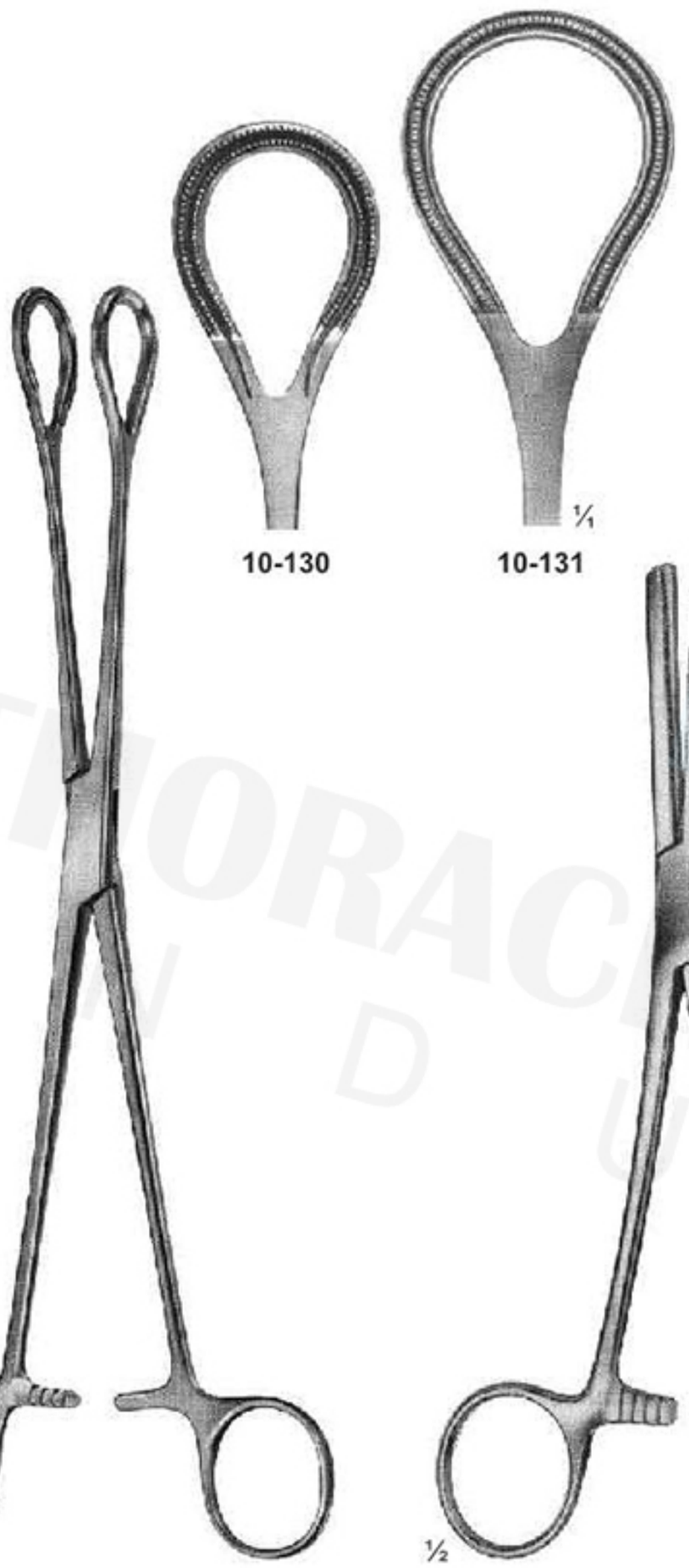



**10-128**
HEYWOOD-SMITH
200 mm



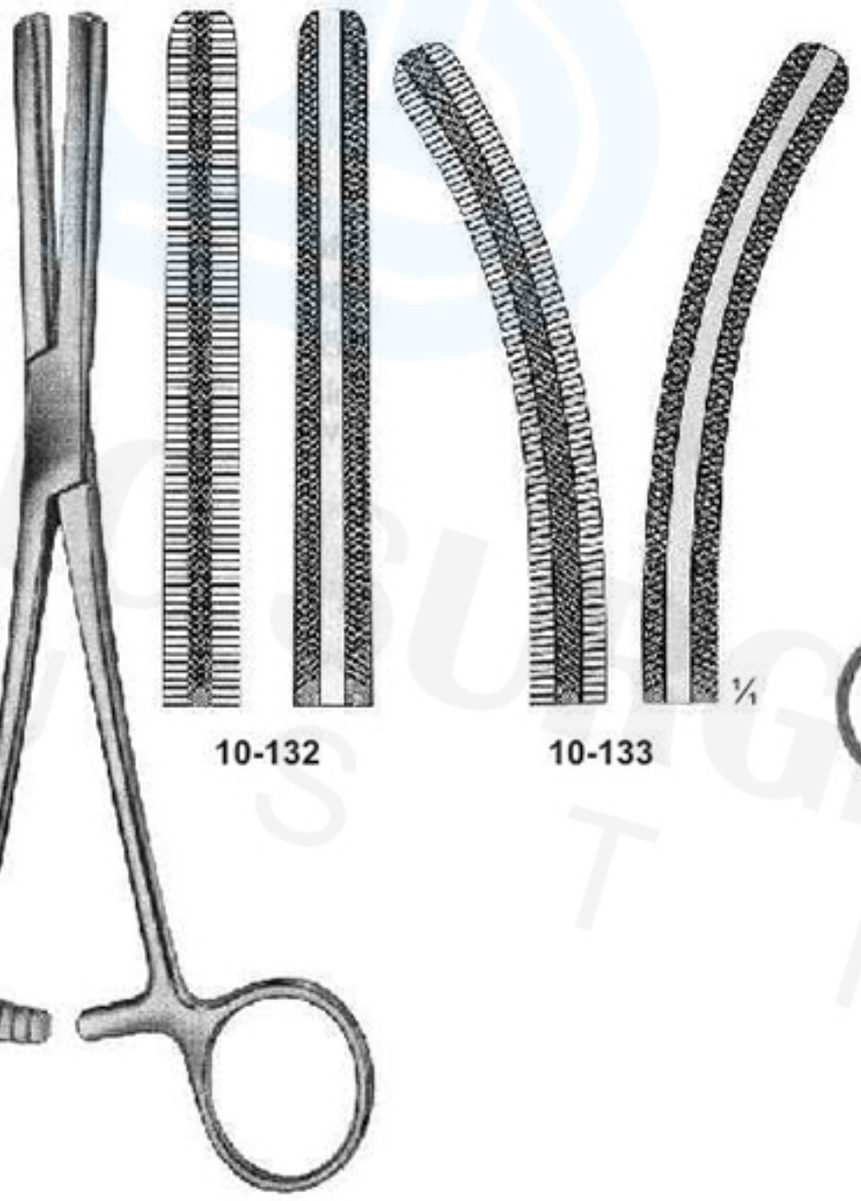

**10-129**
HEYWOOD-SMITH
modif
200 mm

# Haemorrhoidal Forceps




10-130

10-131




10-132

10-133




**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



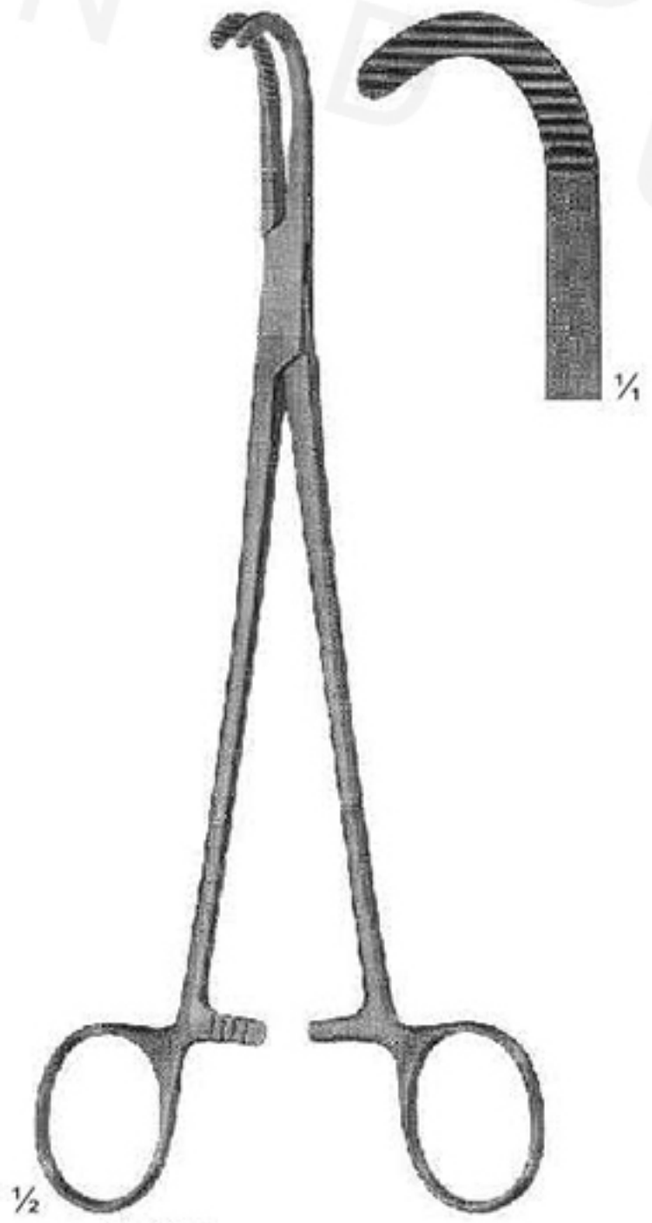

**10-135**
LOWER
180 mm




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




**10-137**
LAHEY
220 mm



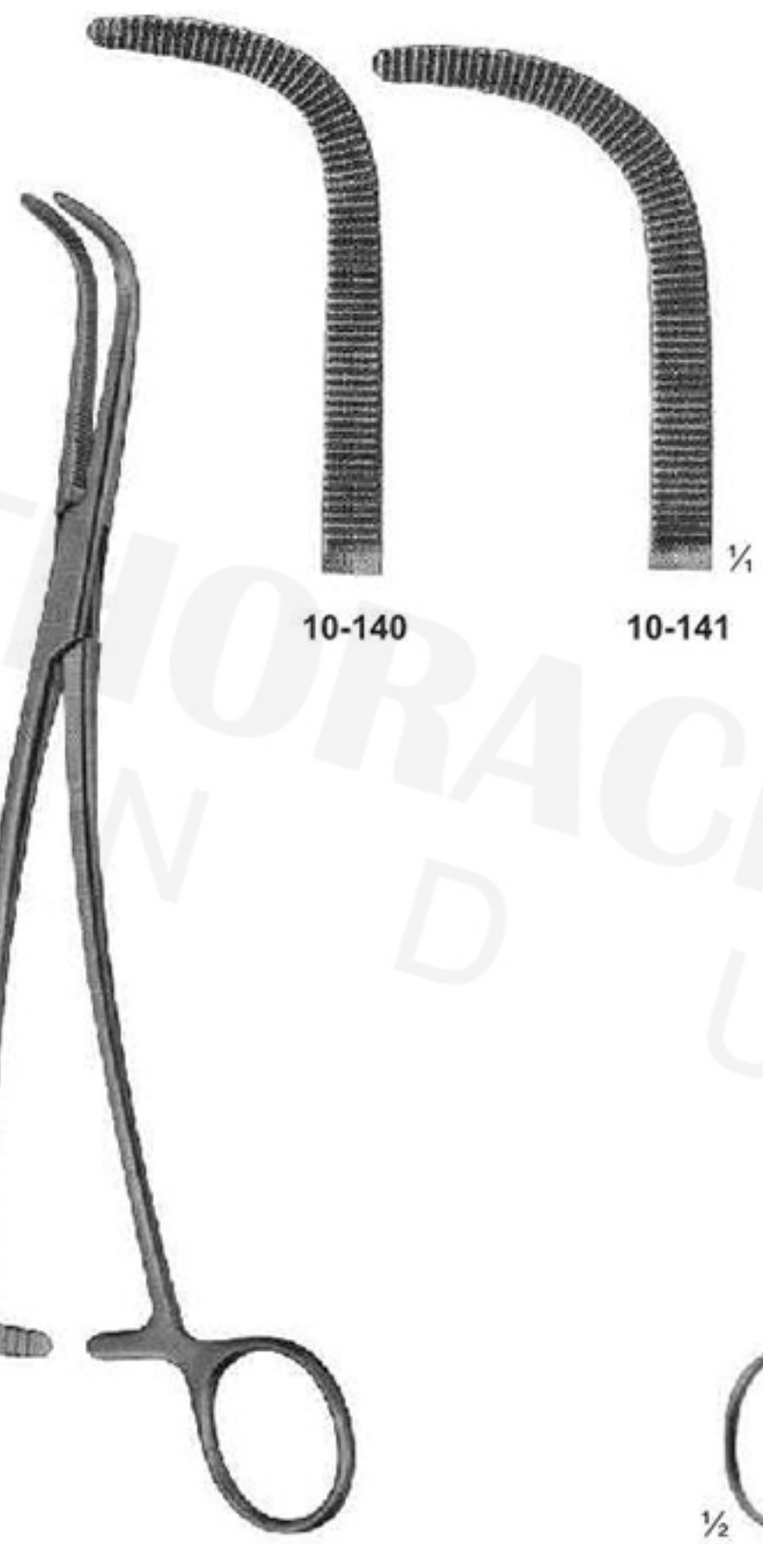

**10-138**
DESJARDINS
Gall duct-and cystic forceps
210 mm




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

THORACIC SURGICAL INSTRUMENTS

# Gall Duct Forceps and Choledochus Forceps




**10-140-141**
GRAY
180 mm



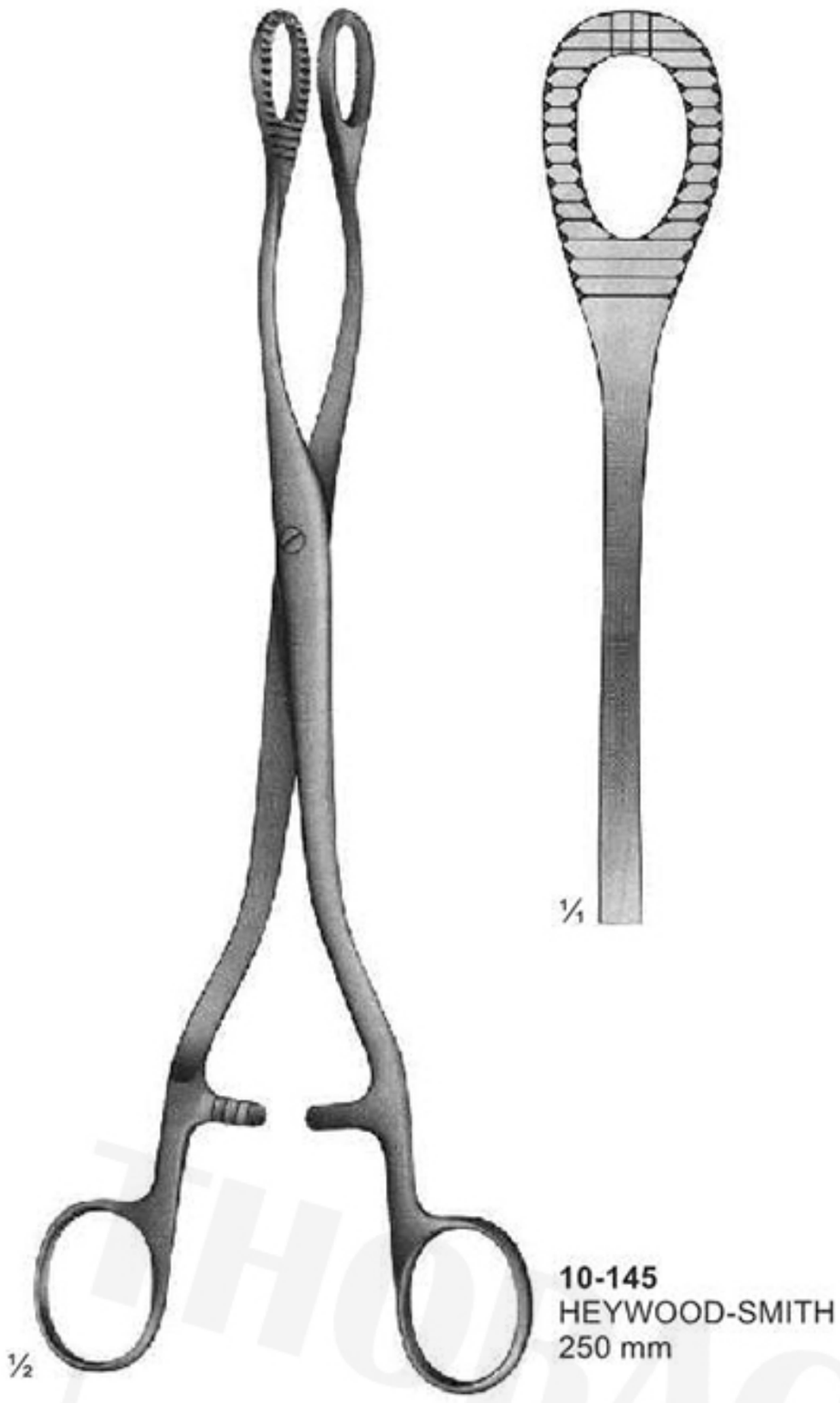

**10-142-143**
MIXTER
Gall duct-and cystic forceps
230 mm




**10-144**
FOERSTER-BALLENGER
240 mm

TORACIC SURGICAL INDUSTRY

# Gall Bladder Forceps and Gall Duct Scissors



**10-145**
HEYWOOD-SMITH
250 mm



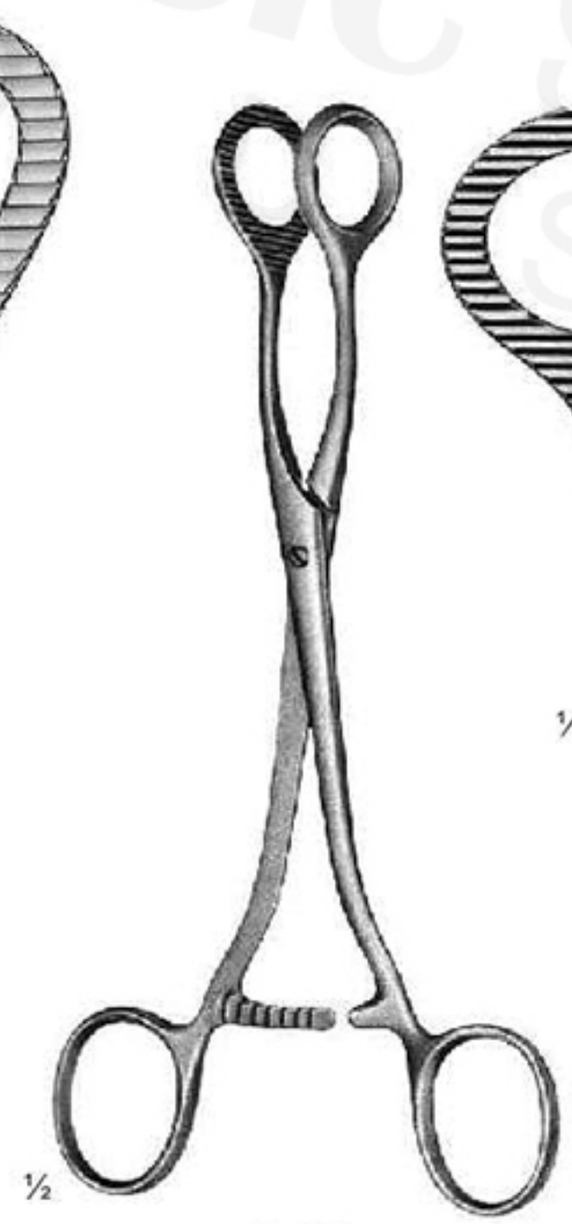
**10-146**
250 mm
**10-147**
270 mm



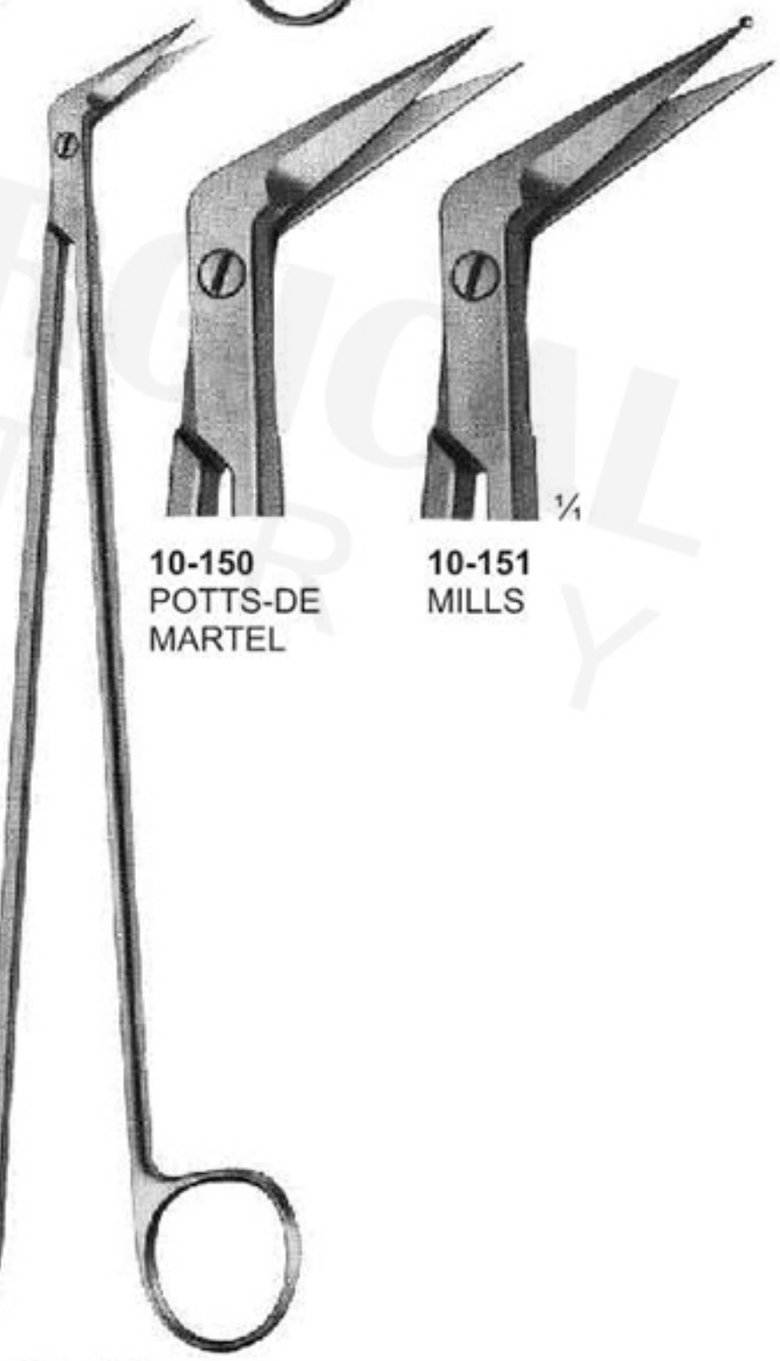
**10-147**
270 mm



**10-148**
HEYWOOD-SMITH
200 mm



**10-149**
DOYEN
185 mm



**10-150**
POTTS-DE MARTEL

**10-151**
MILLS

**10-150 - 151**
Gall duct scissors
200 mm

# Gall Duct Probes



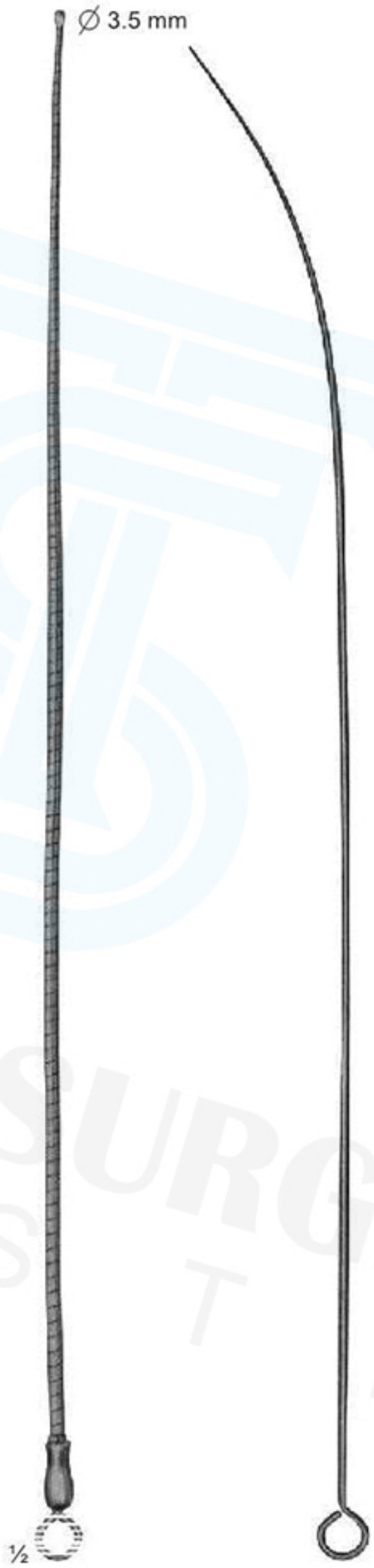

**10-152**
HAJEK
Irrigating cannula, silver
165 mm



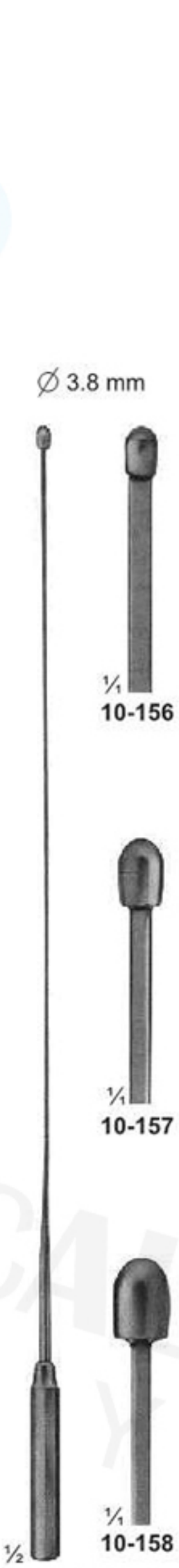

**10-153**
MOYNIHAN
Gall duct probes, malleable
365 mm




**10-154**
MAYO
Gall duct probes, malleable
330 mm



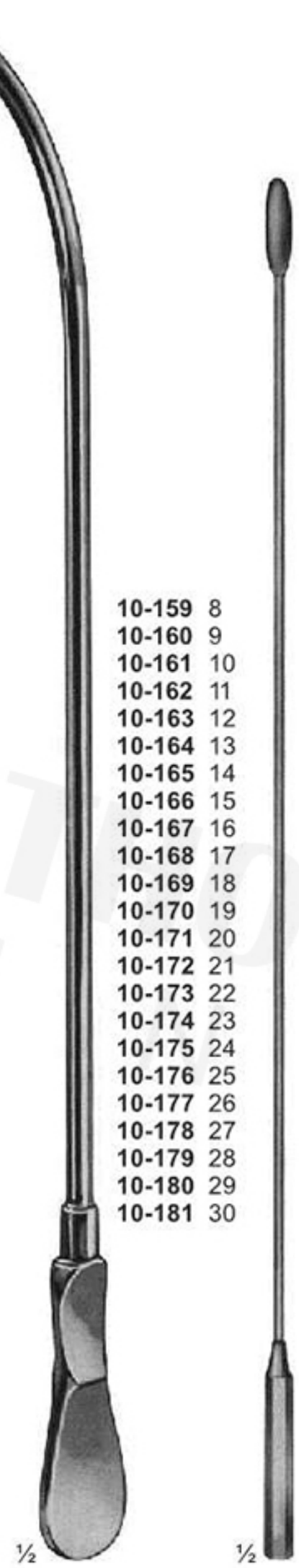

**10-155**
OCHSNER
Gall duct probes, flexible
400 mm




**10-156 - 158**
DESJARDINS
Gall duct probes, flexible
285 mm

THORACIC SURGICAL INSTRUMENTS

# 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

½



½

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



1/1
**10-182**
Ø 1 mm



**10-183**
Ø 2 mm



**10-184**
Ø 3 mm



**10-185**
Ø 4 mm



**10-186**
Ø 5 mm



1/1
**10-187**
Ø 6 mm



**10-188**
Ø 7 mm



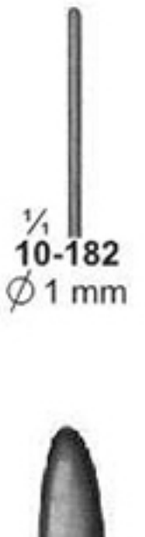
**10-189**
Ø 8 mm



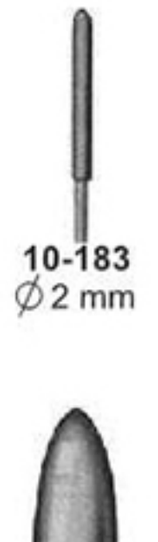
**10-190**
Ø 9 mm



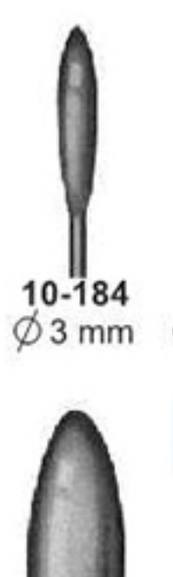
**10-191**
Ø 10 mm



1/1
**10-192**
Ø 11 mm



**10-193**
Ø 12 mm



**10-194**
Ø 13 mm

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



½



1/1
**10-195**
6 mm



1/1
**10-196**
7 mm



1/1
**10-197**
8 mm

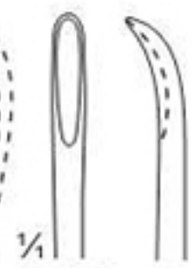


1/1
**10-198**
9 mm

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



½



1/1
**10-199**
2,8 mm
Fig 000



**10-200**
3,4 mm
Fig 00



**10-201**
4,3 mm
Fig 0



**10-202**
5,5 mm
Fig 1



**10-203**
6,7 mm
Fig 2



**10-204**
8,0 mm
Fig 3



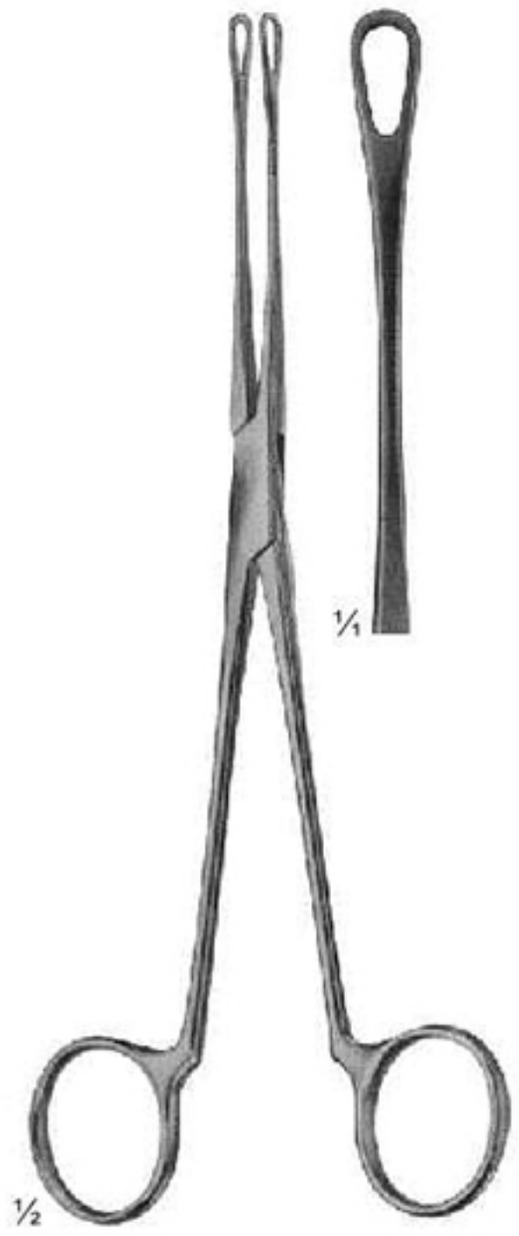
**10-205**
11 mm
Fig 4



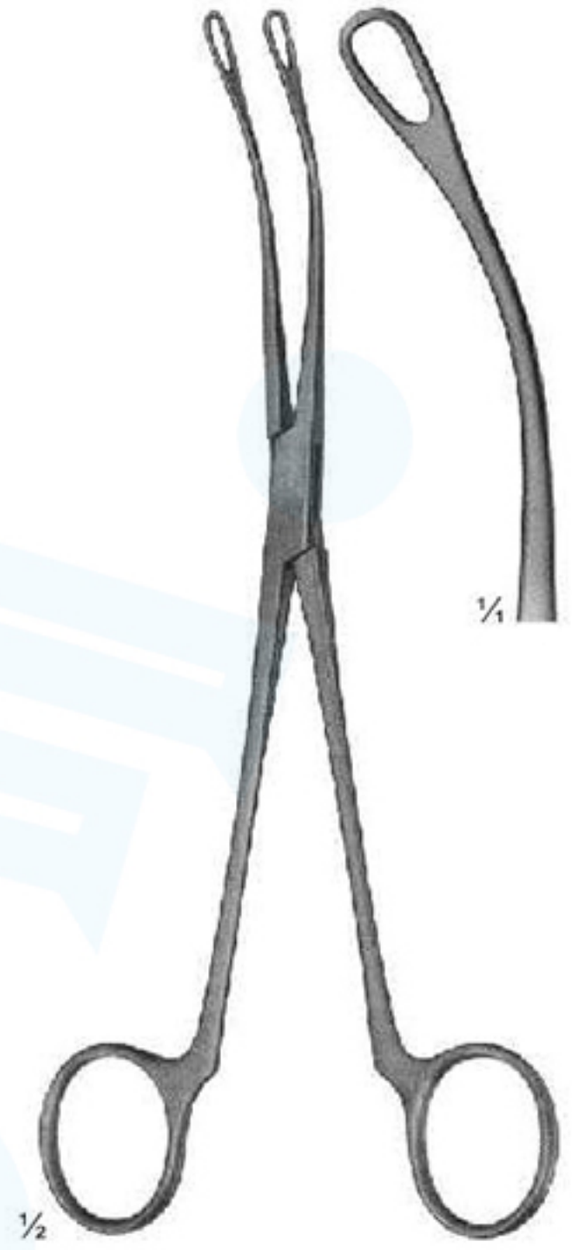
**10-206**
15 mm
Fig 5

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

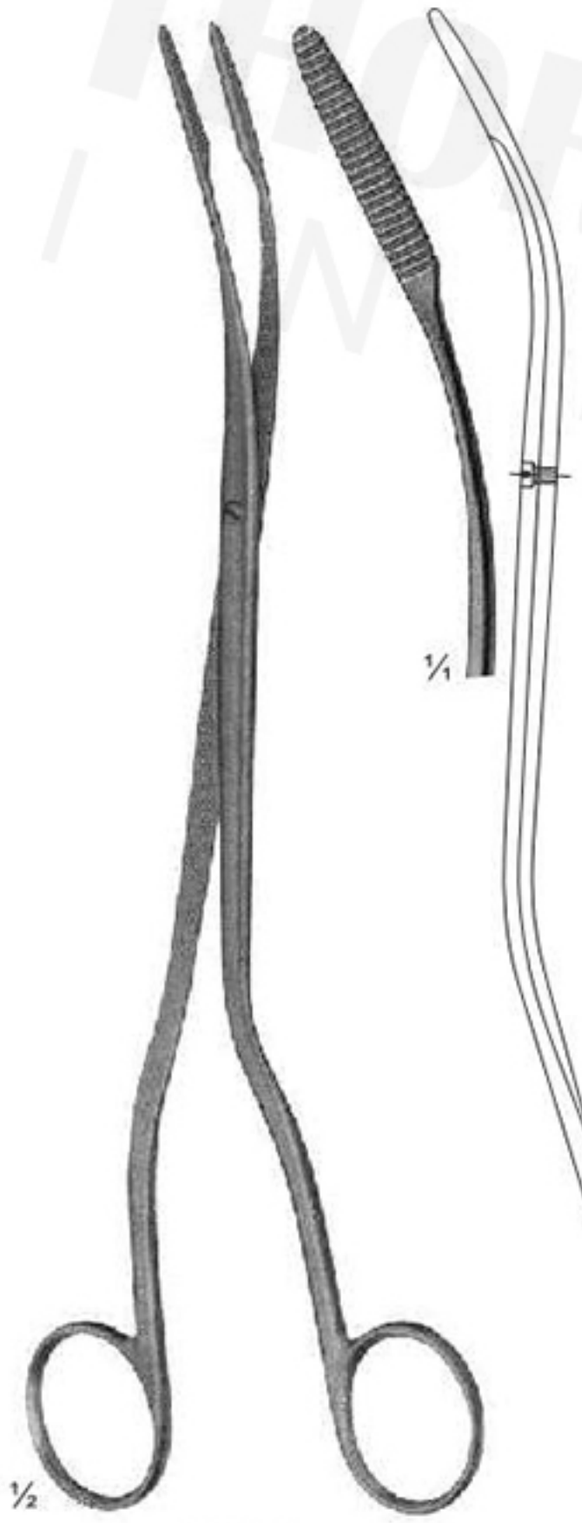
# Gall Stone Forceps



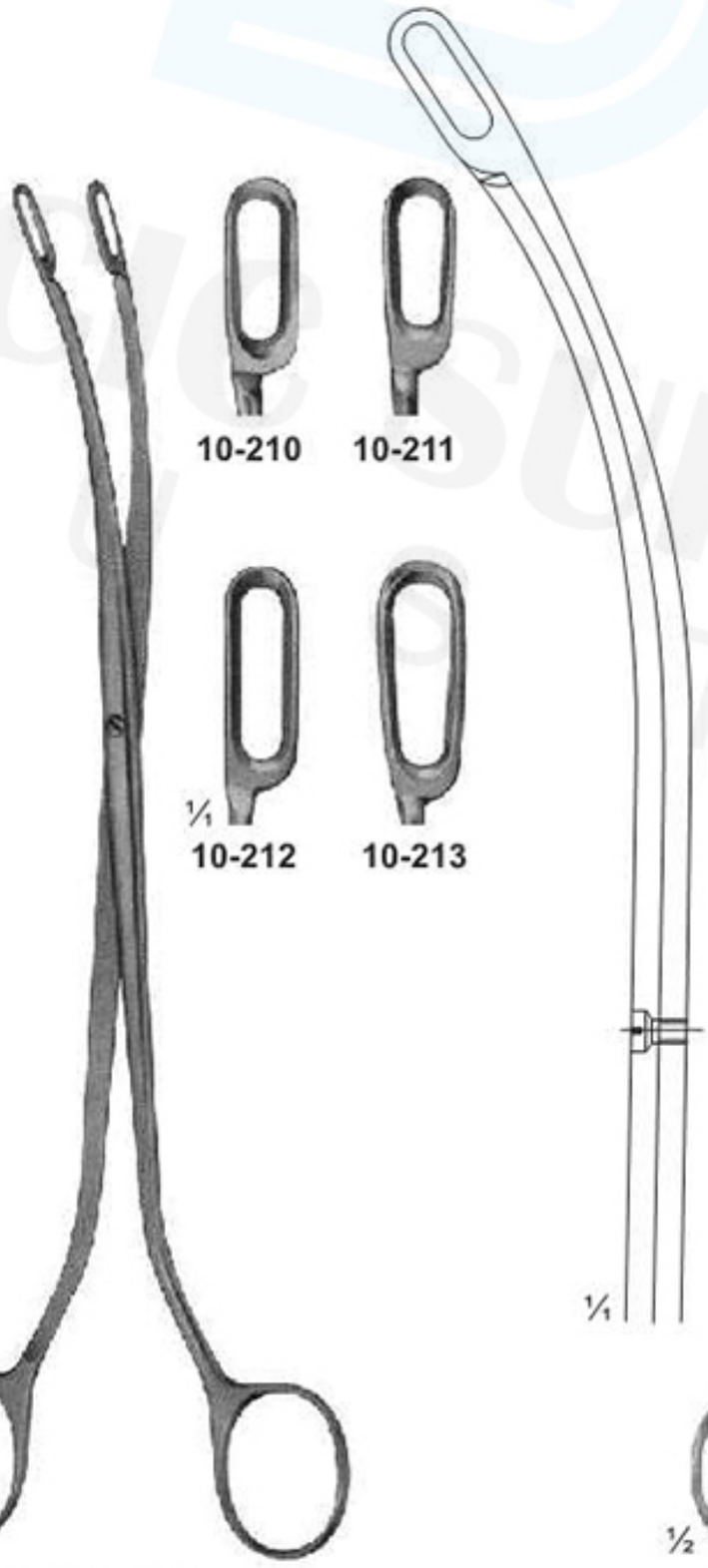

**10-207**
BLAKE
205 mm



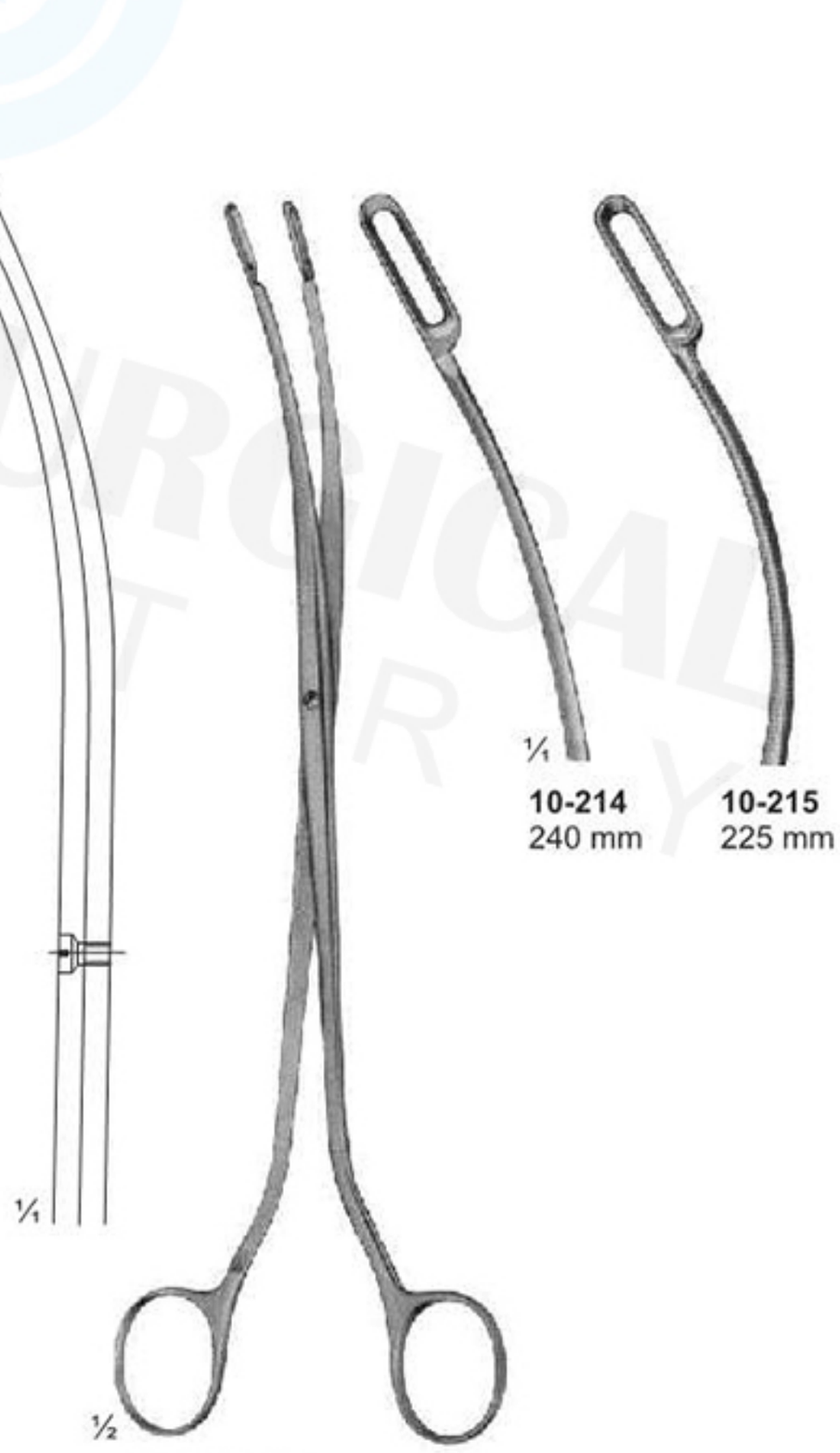

**10-208**
BLAKE
205 mm




**10-209**
CZERNY
245 mm




**10-210 - 213**
DESJARDINS
225 mm




**10-214 - 215**
DESJARDINS
Extremely delicate patterns

# Kidney Clamps



1/1

**10 - 216**
240 mm



1/2

**10-216 - 217**
GUYON



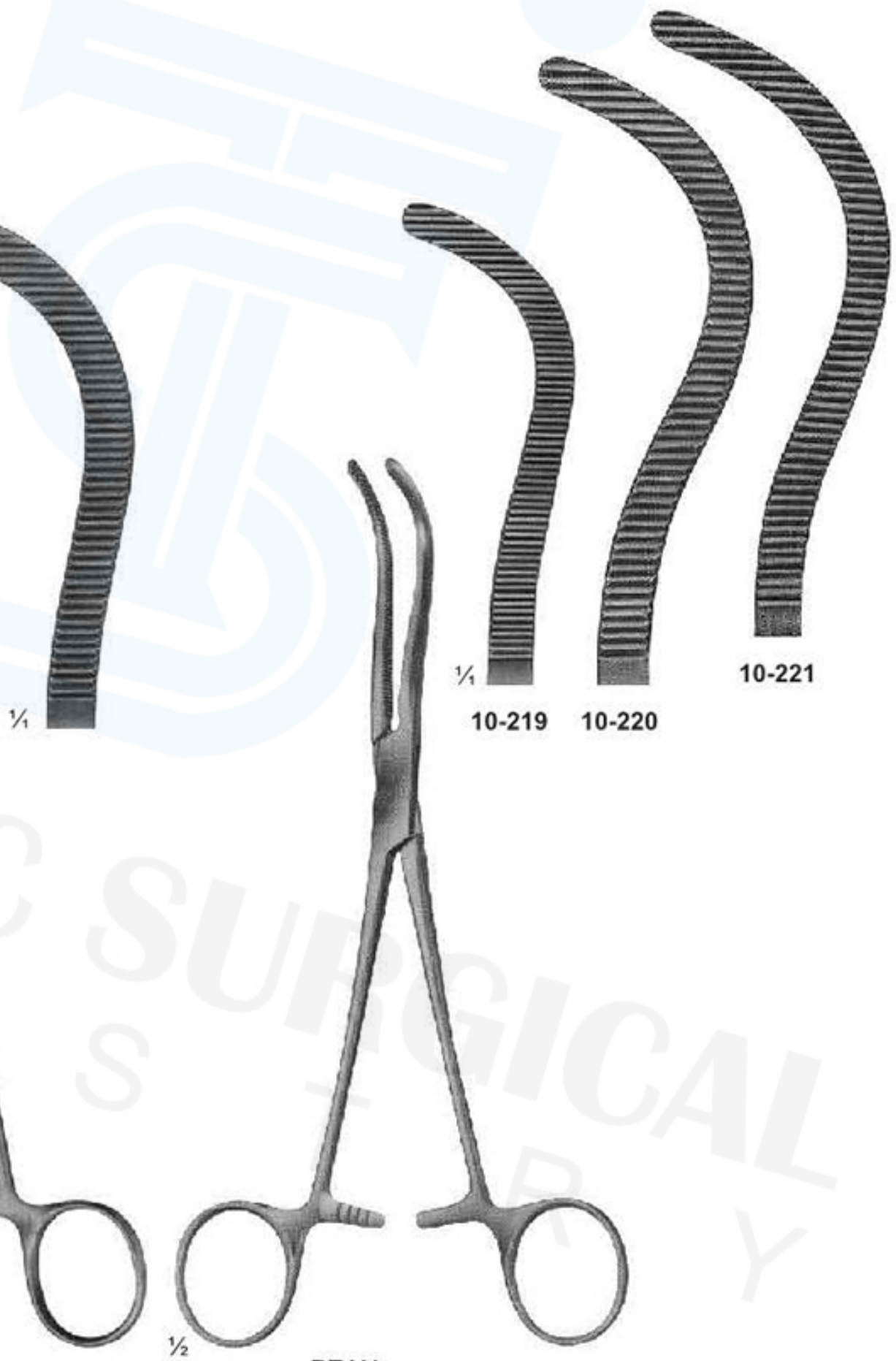
1/1

**10 - 217**
230 mm



1/2

**10 - 218**
GUYON
230 mm



1/1

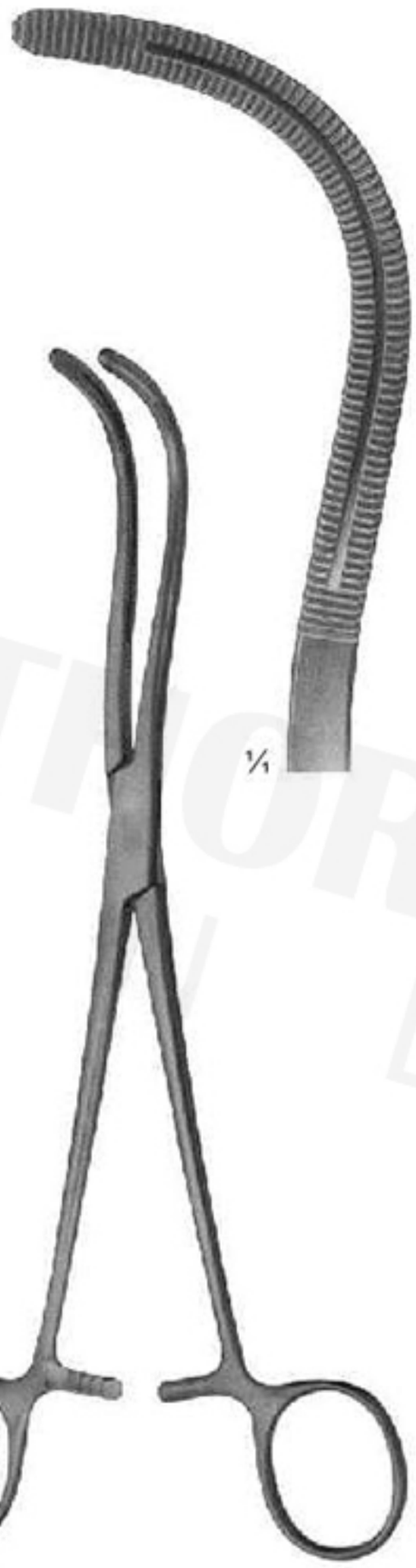
**10-219** **10-220** **10-221**



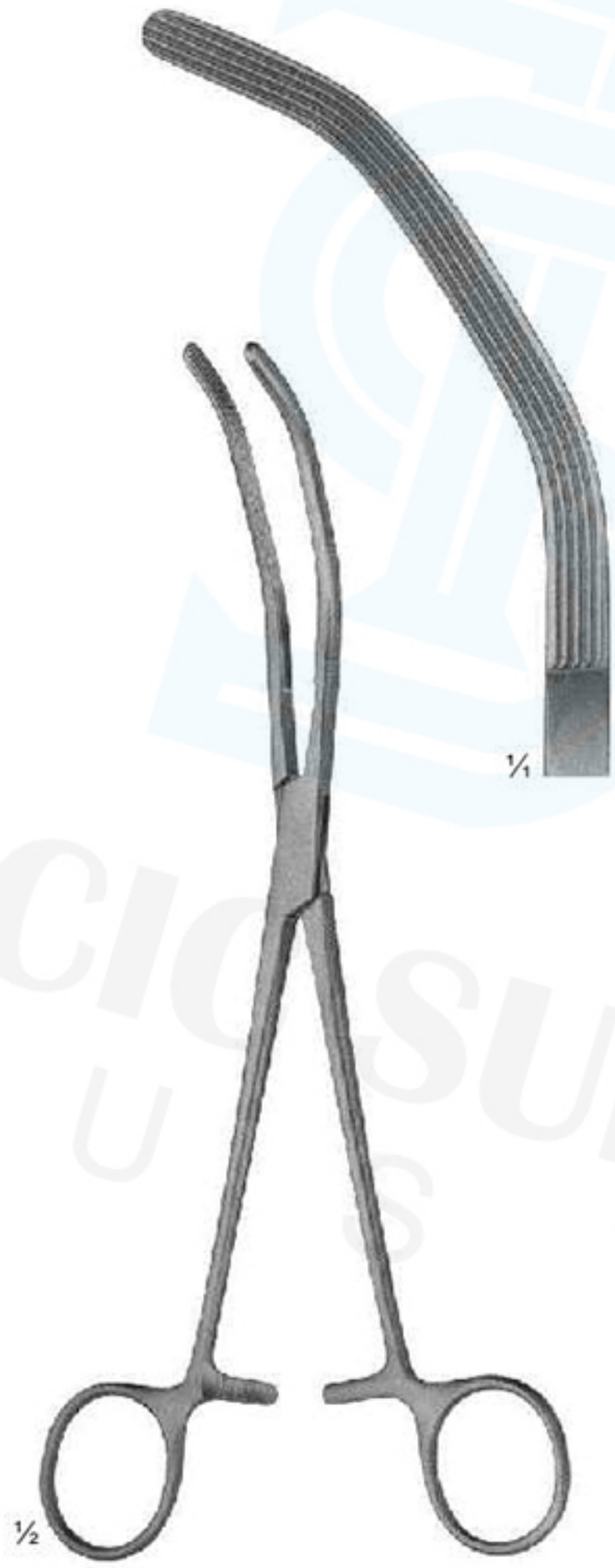
1/2

**10-219** - 195 mm
**10-220** - 220 mm
**10-221** - 230 mm

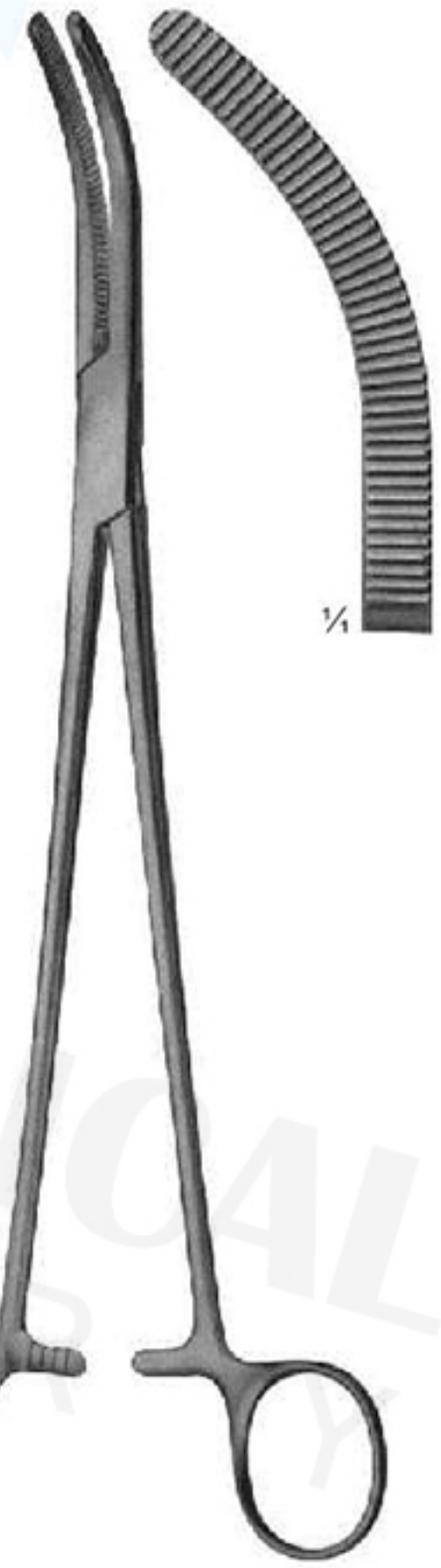
# Kidney Clamps




**10-222**
STILLE
220 mm




**10-223**
HERRICK
225 mm




**10-224**
WERTHEIM
225 mm

# Kidney Elevating Forceps



½

**10-225**
COLLIN
285 mm



½

**10-226**
DARTIGUES
255 mm

THORACIC SURGICAL INDUSTRY

# Kidney Stone Forceps



10-227



10-228





10-229



1/1

10-230



½

**10-227 - 230**
RANDALL
225 mm



10-231



10-232



1/1

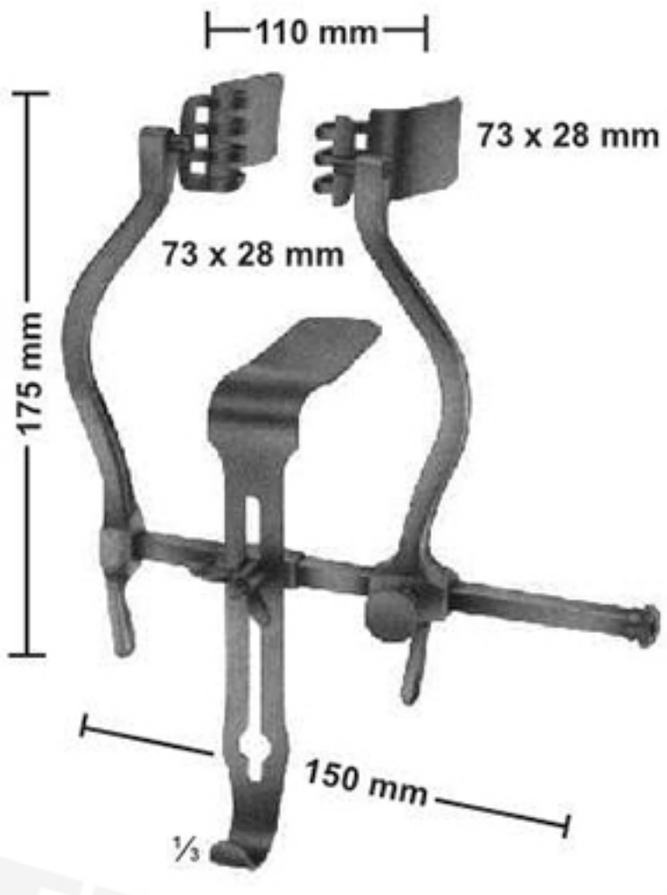
10-233



½

**10-231 - 233**
RANDALL
190 mm

# Bladder Retractors



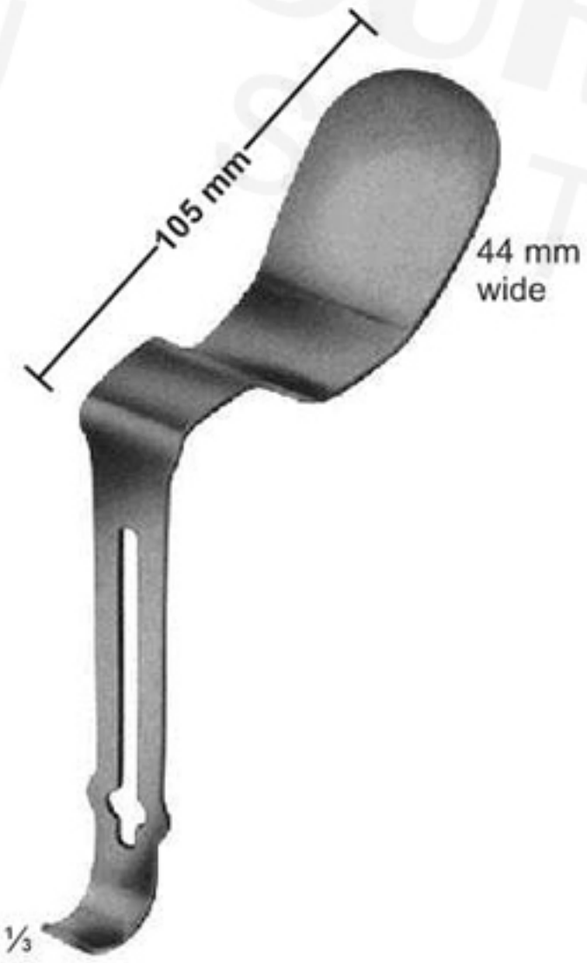

**11-101**
JUDD-MASSON
Bladder-and suprapubic
retractor



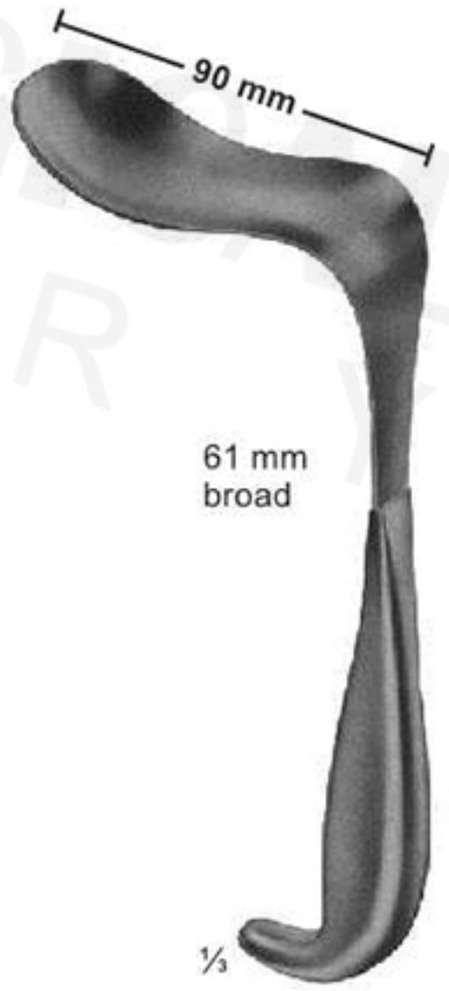

**11-102**
MILLIN
Bladder retractor
105X45 mm




**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

THORACIC SURGICAL INSTRUMENTS




**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

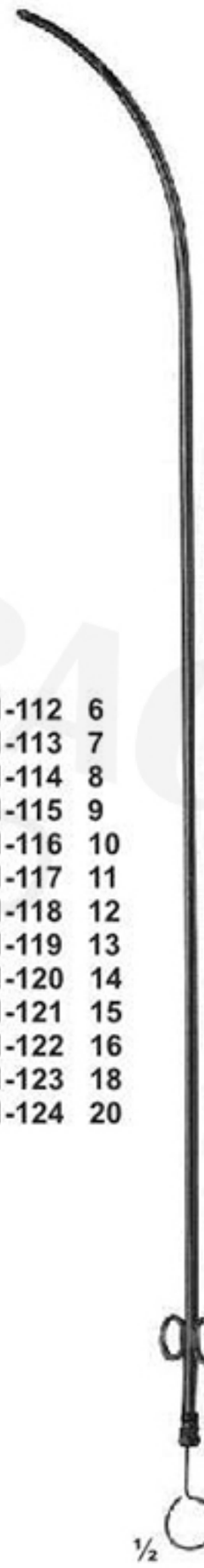
**11-109**
MILLIN
Bladder neck spreader
285 mm

**11-110**
Ureter forceps
240 mm



½

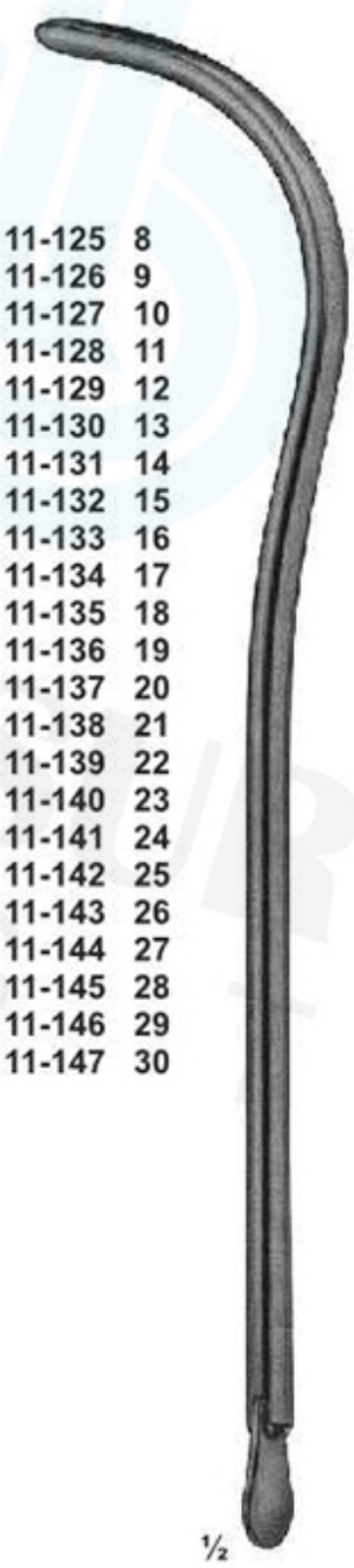
**11-111**
GUYON
Catheter guide
(introducer)
365 mm



| | |
|---|---|
| **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** |

½

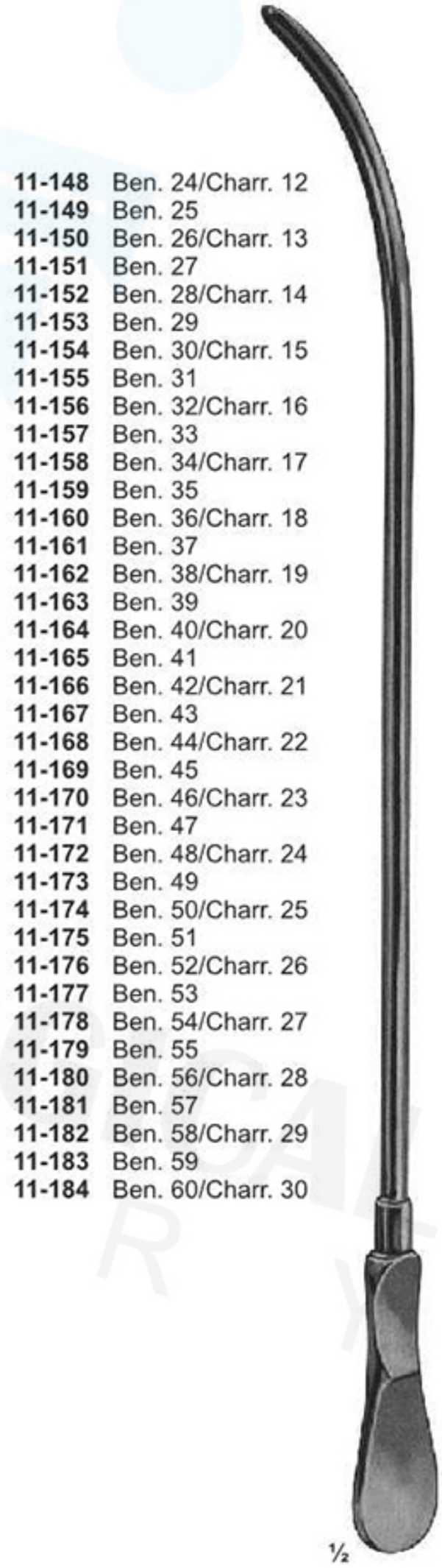
**11-112 - 124**
Female catheters,
metal
160 mm



| | |
|---|---|
| **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** |

½

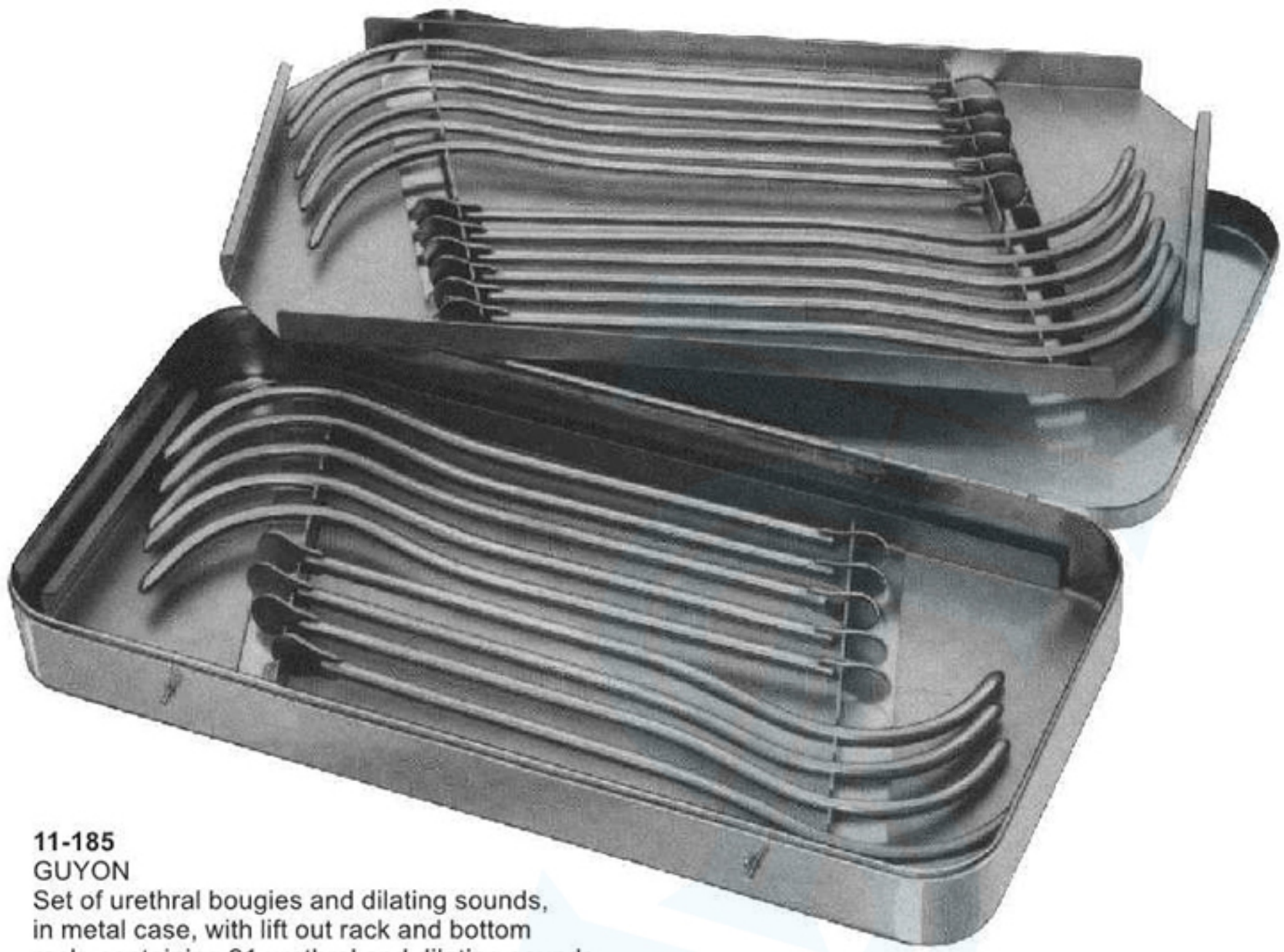
**11-125 - 147**
Urethral bougies
and dilating sounds
345 mm



| | |
|---|---|
| **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 |

½

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



**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

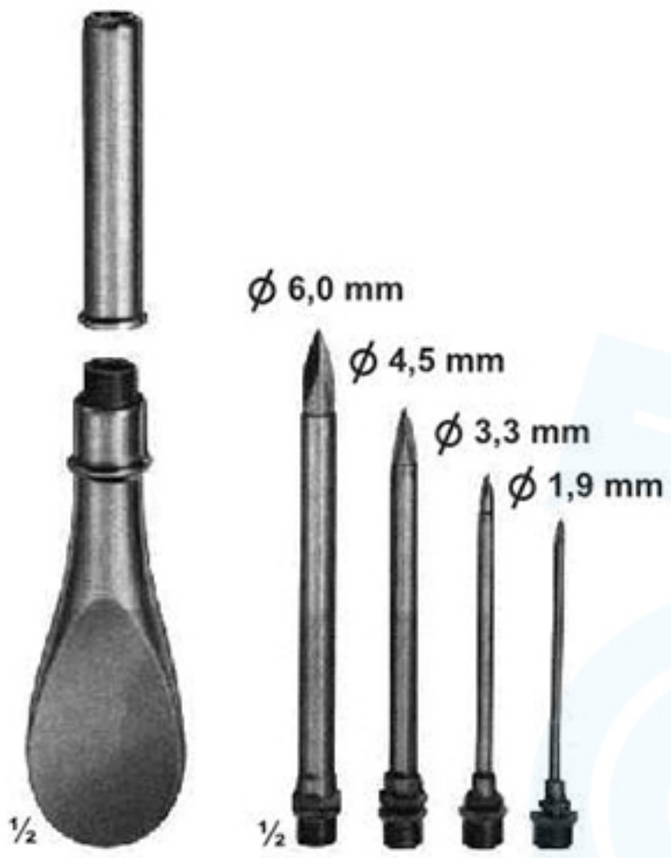
12 mm / 16 mm / 20 mm

THORACIC SURGICAL INDUSTRY

# Trocars



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



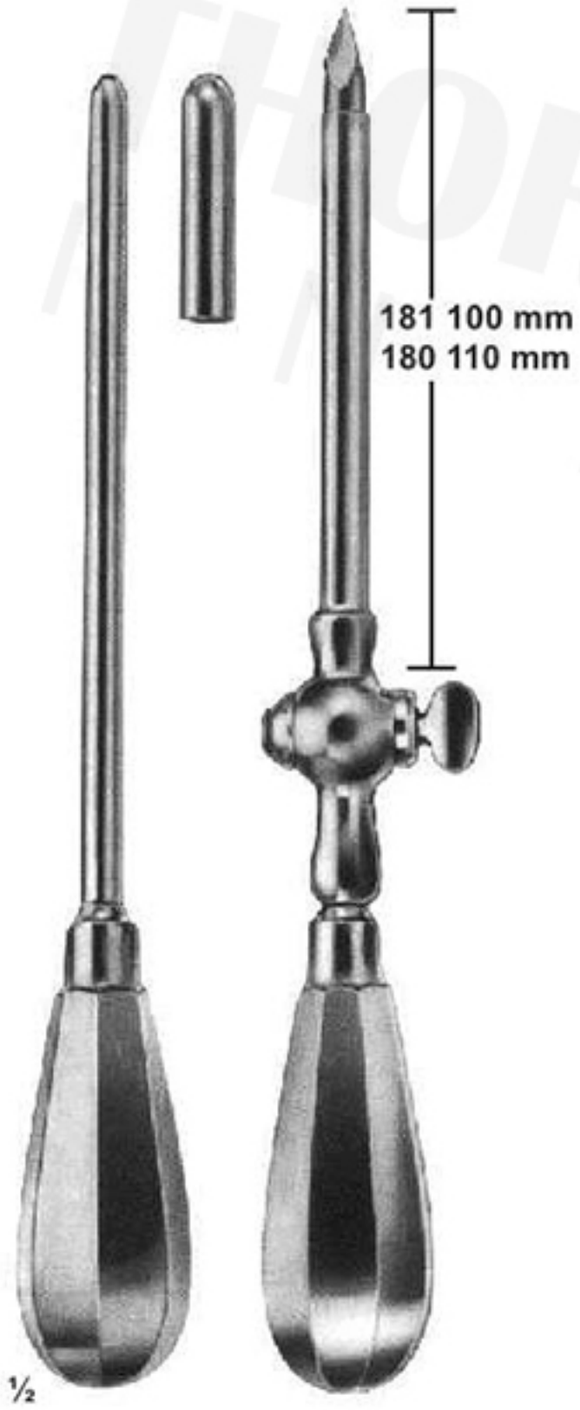

**11-188**
Universal trocar
with 4 tips



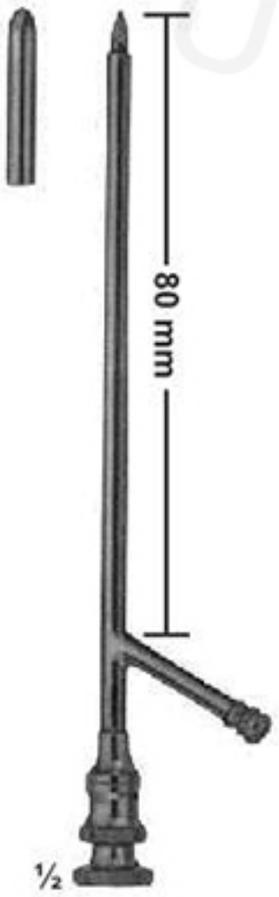

**11-189 - 193**
Inside dime.Outside dime
**11-189** 2,2 mm 3,0 mm
**11-190** 3,0 mm 4,0 mm
**11-191** 4,0 mm 5,0 mm
**11-192** 5,0 mm 6,0 mm
**11-193** 5,5 mm 6,5 mm
for hydrocele and abdominal puncture




**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



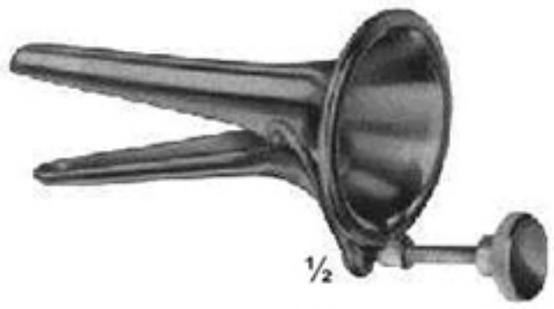
**11-204**
PIERCE
Antrum trocar
4,0 mm



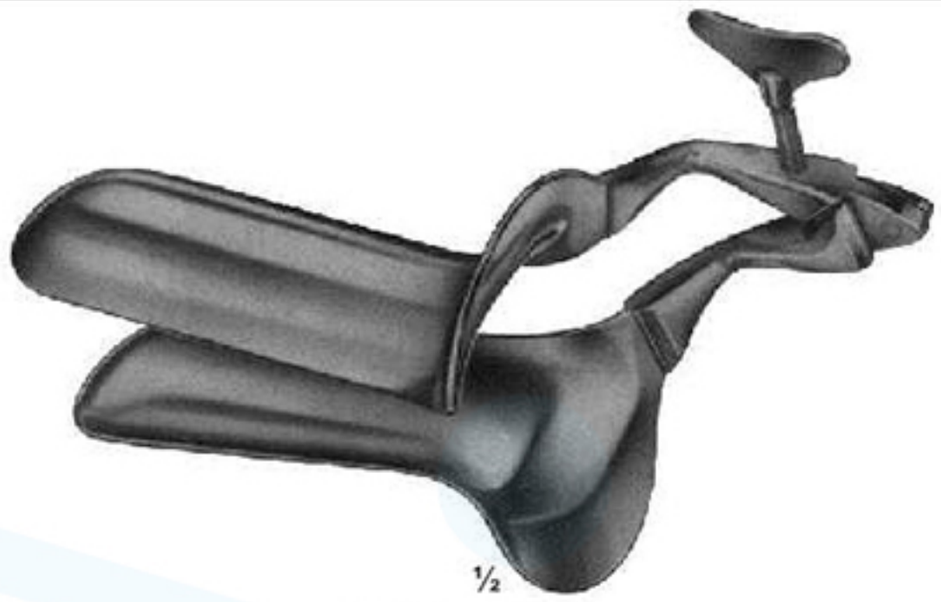
**11-205**
COAKLEY
Antrum trocar
3,0 mm

THORACIC SURGICAL INSTRUMENTS

# Vaginal specula

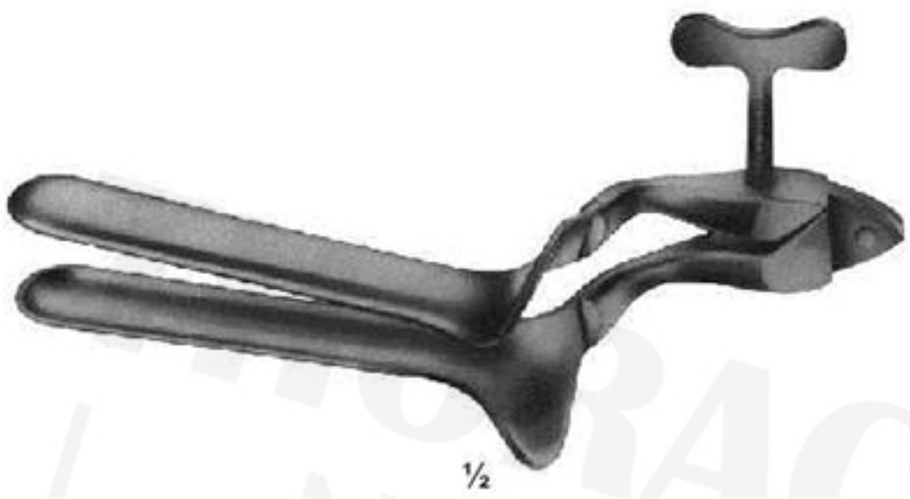



**12-101**
COLLIN
for children
53 x 10 mm

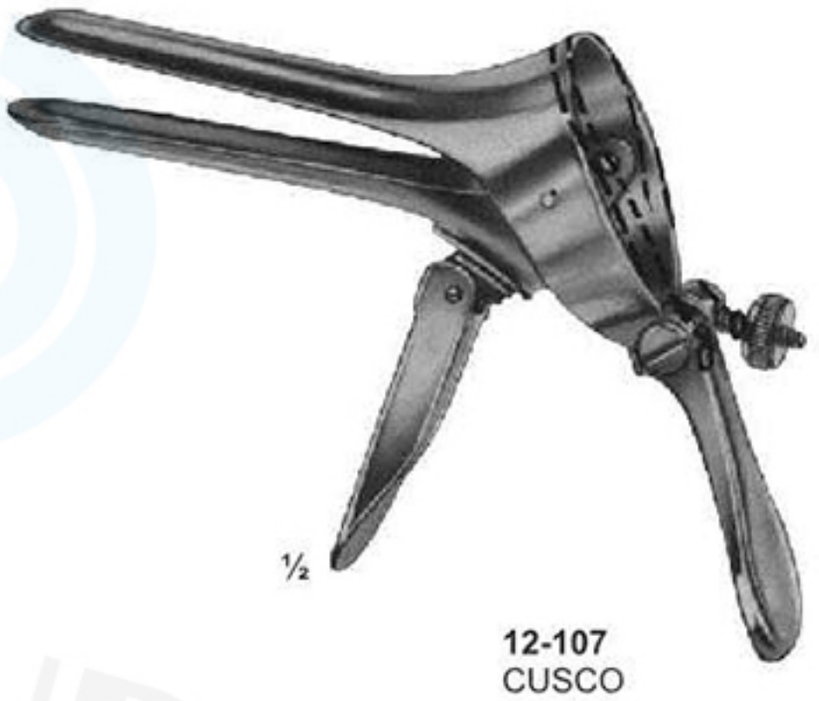



**12-102 - 105**
COLLIN

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



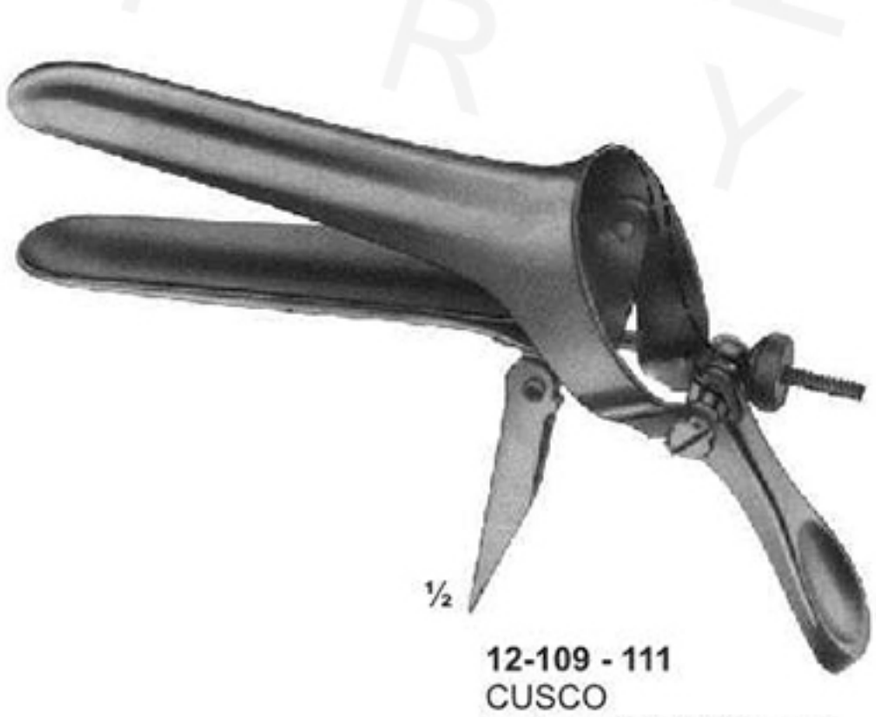

**12-106**
COLLIN
for virgins
95/85 x 18 mm




**12-107**
CUSCO
for virgins
75 x17 mm




**12-108**
CUSCO
for virgins
75 x17 mm




**12-109 - 111**
CUSCO

| | |
|---|---|
| **12-109** | 92X23-25 mm |
| **12-110** | 100x25-27 mm |
| **12-111** | 110x27-30 mm |

# Vaginal Specula



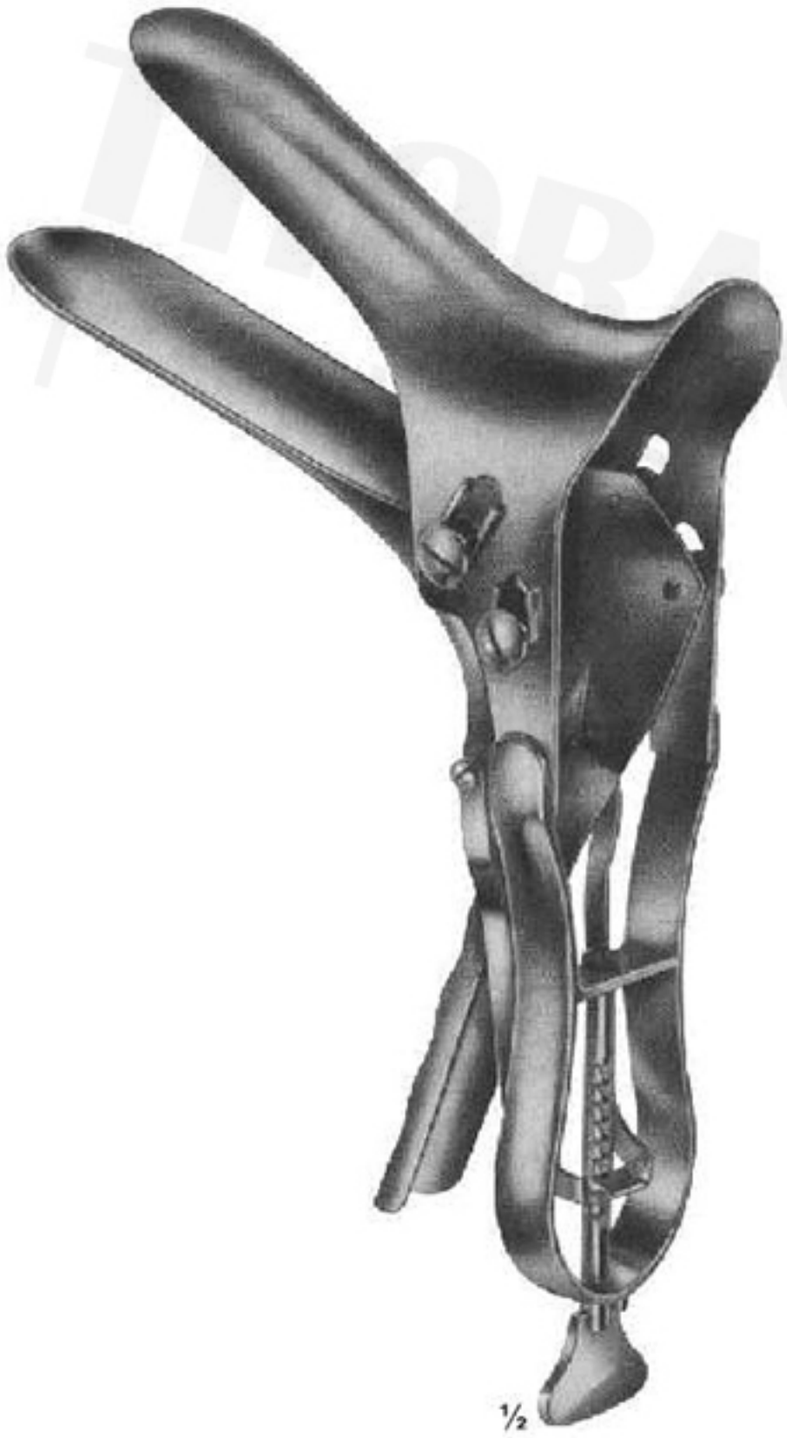

**12-112 - 115**
CUSCO
STANDARD
**12-112** 80X24 mm
**12-113** 80X32 mm
**12-114** 90X36 mm
**12-115** 110X37 mm




**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



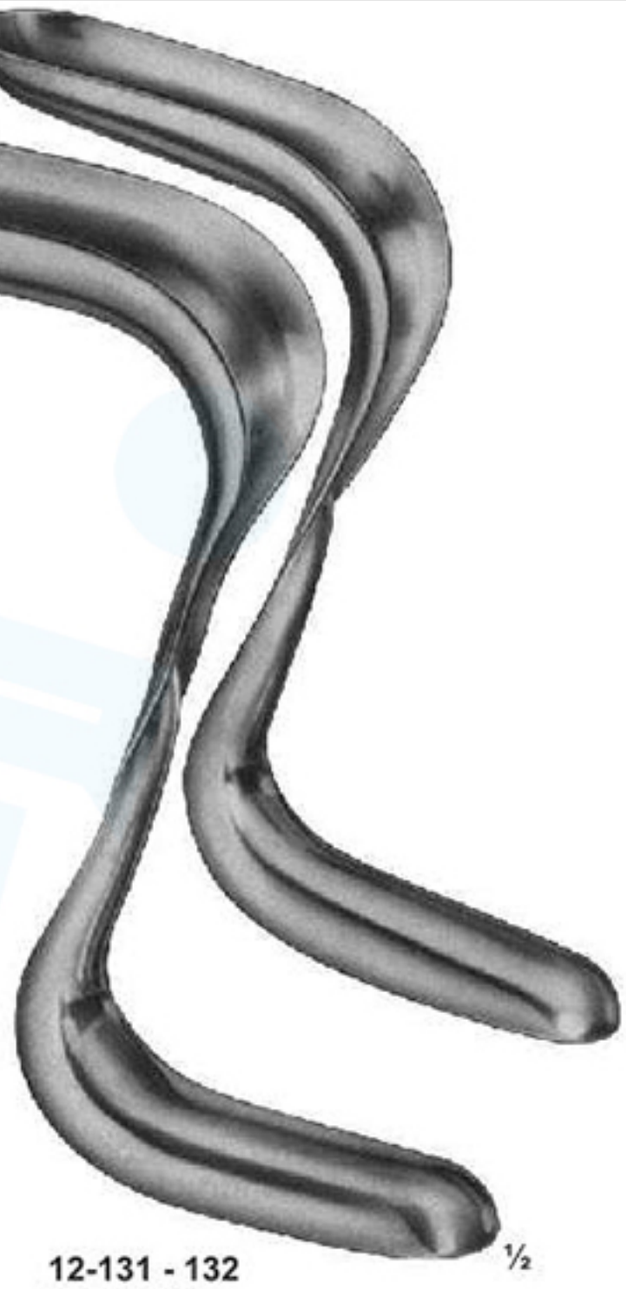
½

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



½

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



½

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



½

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



½

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



½

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



½

**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



**12-155** 115X14 mm
215 mm

**12-156** 115X23 mm
215 mm

**12-157** 115X16 mm
220 mm

**12-158** 115X26 mm
220 mm

**12-159** 120X30 mm
225 mm

½

**12-155 - 159**
KRISTELLER
Upper blades



**12-160** 110X18 mm
215 mm

**12-161** 110X27 mm
215 mm

**12-162** 110X20 mm
220 mm

**12-163** 110X30 mm
220 mm

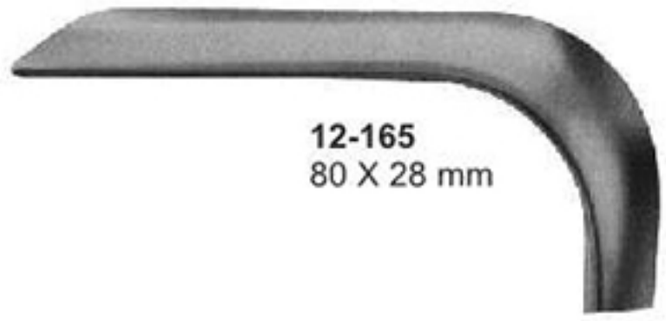
**12-164** 110X36 mm
225 mm

½

**12-160 - 164**
KRISTELLER
Lower blades

THORACIC SURGICAL INDUSTRY

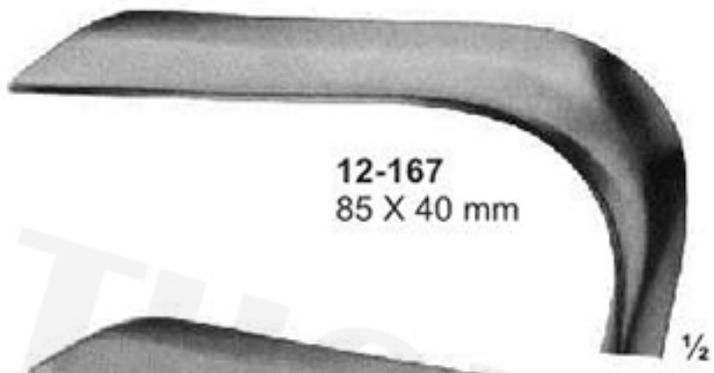
# Vaginal Specula



**12-165**
80 X 28 mm



**12-166**
85 X 35 mm



**12-167**
85 X 40 mm

½



Slightly Concave

½

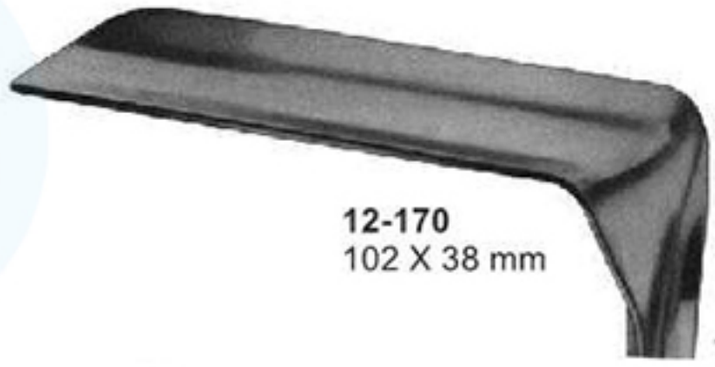
**12-165 - 167**
KRISTELLER
205 mm



**12-168**
76 X 38 mm



**12-169**
89 X 38 mm



**12-170**
102 X 38 mm

½



Slightly Concave

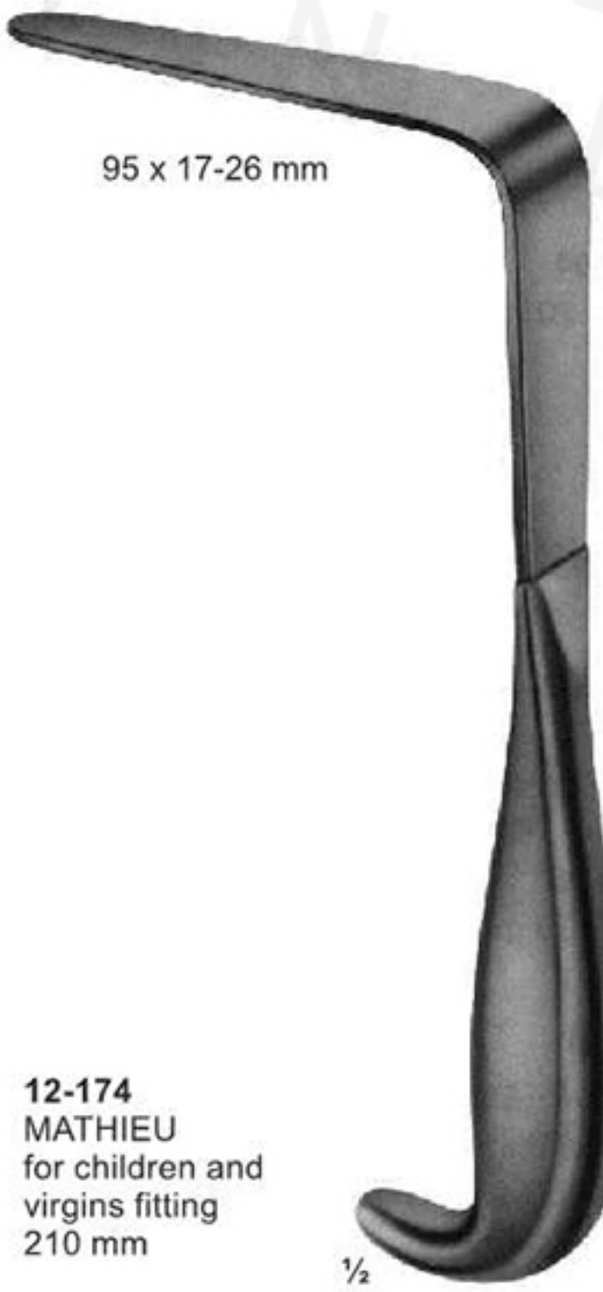
½

**12-168 - 170**
JACKSON
175 mm

# Vaginal Specula-for children & virgins / Vario Retractor




**12-171**
BRAUN
180 mm




**12-174**
MATHIEU
for children and
virgins fitting
210 mm







**12-172**
BRAUN
180 mm



**12-175**
Handle with cold light
carrier for upper blades
280 mm







**12-173**
MATHIEU
For children
and virgins
210 mm

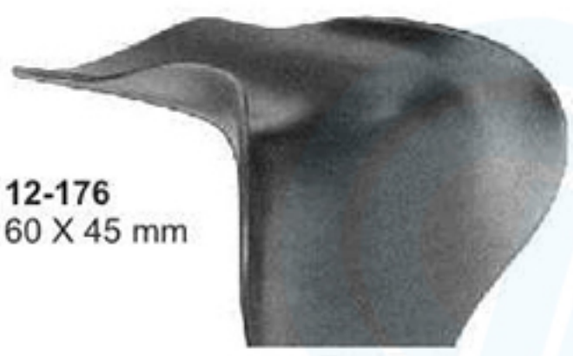



THORACIC SURGICAL INDUSTRY

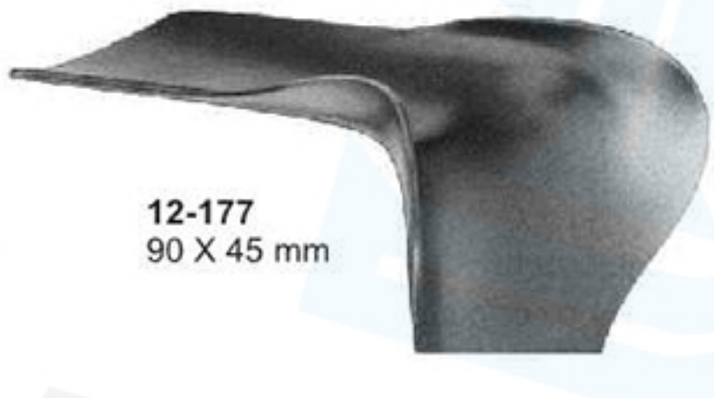
# Vaginal Specula-for children and virgins



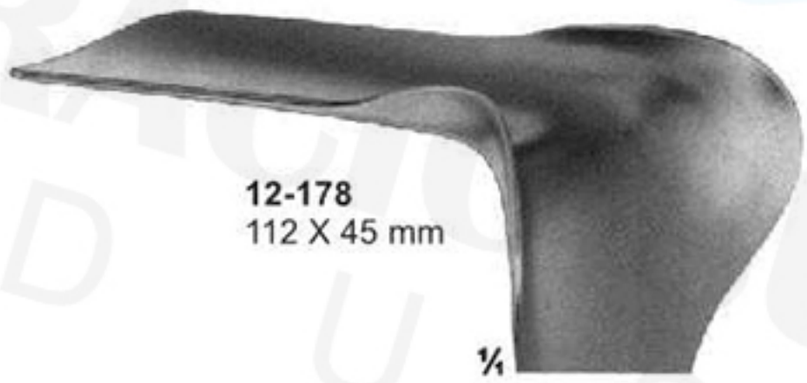
**12-176 - 178**
DOYEN
235 mm



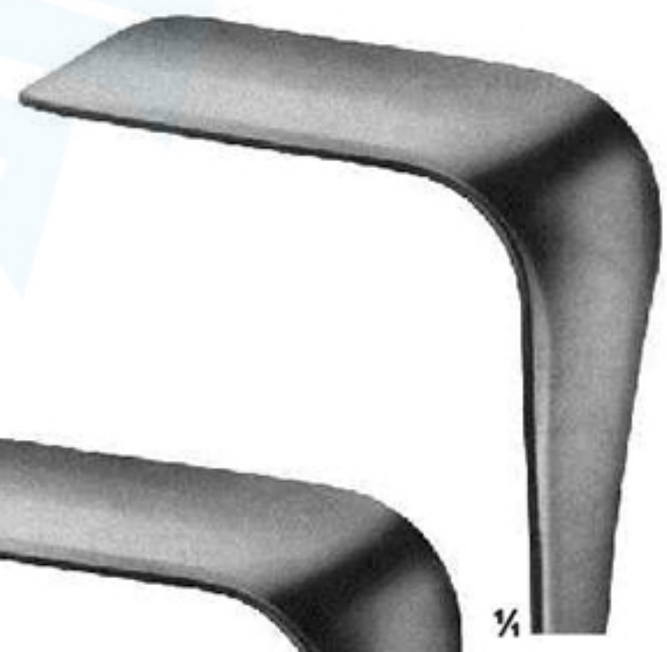
**12-176**
60 X 45 mm



**12-177**
90 X 45 mm



**12-178**
112 X 45 mm







| Length of blades | Width of blades | | |
|---|---|---|---|
| | 35 mm | 45 mm | 60 mm |
| 60 mm | **12-179** | **12-182** | **12-186** |
| 90 mm | **12-180** | **12-183** | **12-187** |
| 120 mm | **12-181** | **12-184** | **12-188** |
| 160 mm | | **12-185** | **12-189** |

**12-179 - 189**

# Vaginal Specula / Retractors



½

½

½

½

**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

**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

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

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

# Vaginal & Wound Retractor / Vaginal Specula

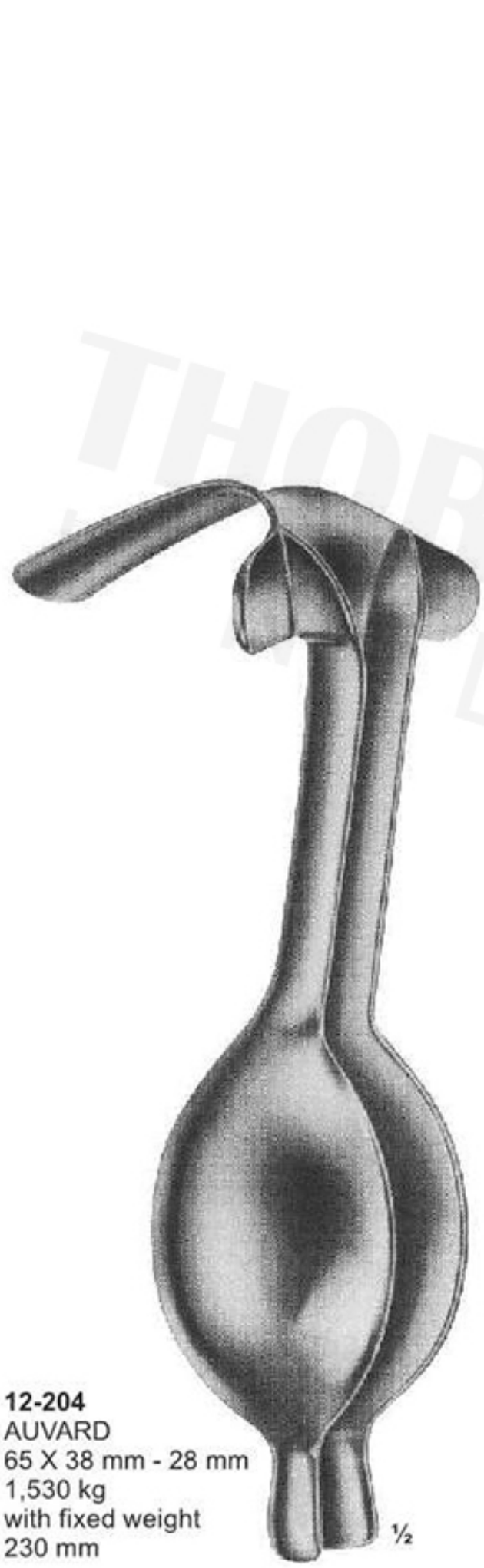


**12-203**
SIMON
115 X 22 mm
275 mm

½



½



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

½



**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

½



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

½

# Vaginal Speculas



**12-210**
80 X 30



**12-211**
85 X 35



**12-212**
85 X 40




**12-208**
55 X 40 - 60 mm




**12-209**
70 X 45 - 70 mm



**12-208 - 212**
SCHERBACK
Set consisting of:
handle
weight
5 blades

⅓



**12-213**
80 X 30 mm



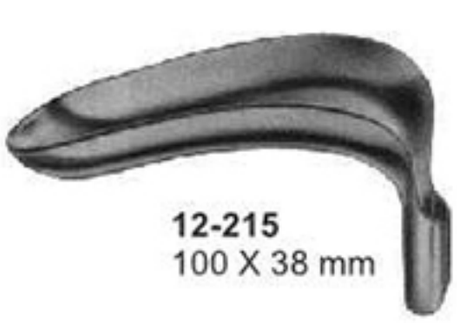
**12-217**
65 X 30 mm



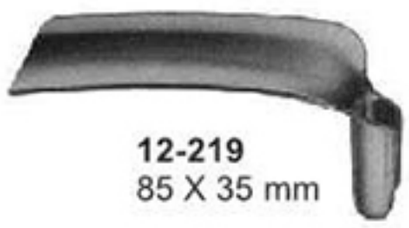
**12-214**
85 X 33 mm



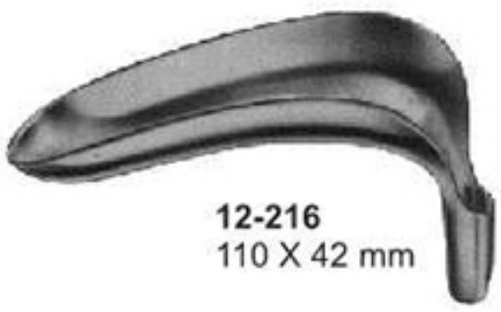
**12-218**
75 X 35 mm



**12-215**
100 X 38 mm



**12-219**
85 X 35 mm



**12-216**
110 X 42 mm



**12-220**
95 X 35 mm

**12-213 - 220**
SCHERBACK
Set consisting of:
2 handle
8 blades



⅓

# Vaginal Retractors




**12-221**
JOLL (FRIEDMAN)
155 mm




**12-222**
RICHTER
170 mm




**12-223**
GELPI
135 mm




**12-224**
GELPI
175 mm

THORACIC SURGICAL INDUSTRIES

# Uterine Dilators



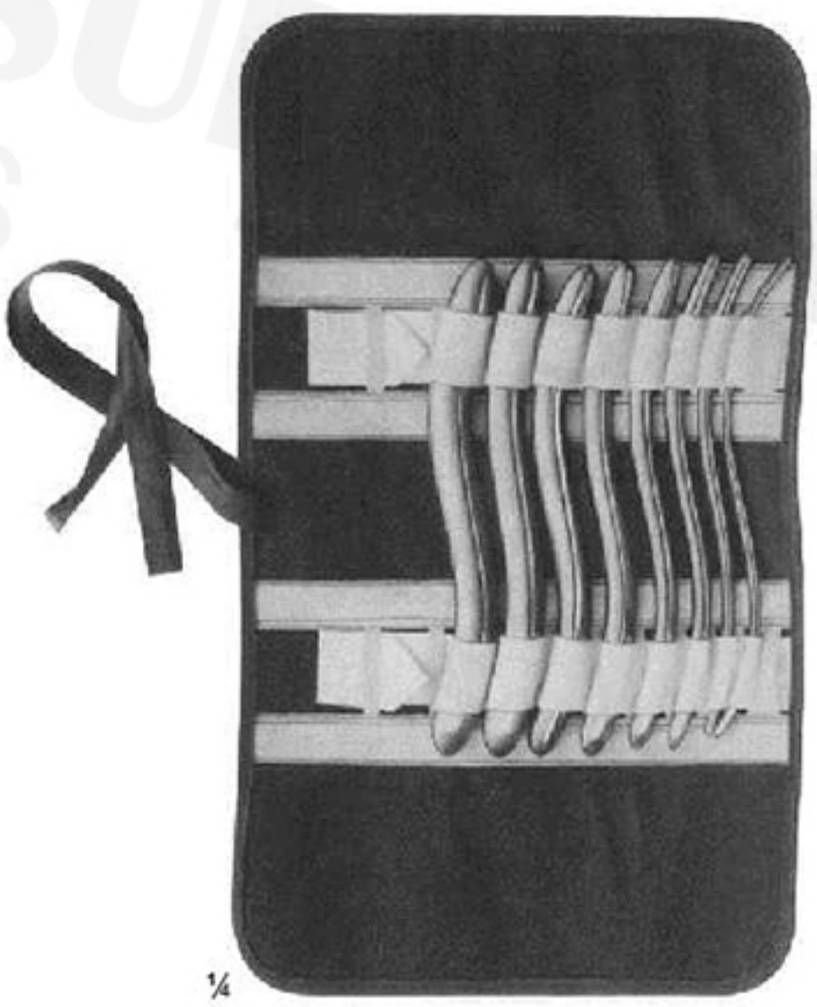

| | | |
|---|---|---|
| **13-101** | 1 | mm |
| **13-102** | 2 | mm |
| **13-103** | 3 | mm |
| **13-104** | 4 | mm |
| **13-105** | 5 | mm |
| **13-106** | 6 | mm |
| **13-107** | 7 | mm |
| **13-108** | 8 | mm |
| **13-109** | 9 | mm |
| **13-110** | 10 | mm |
| **13-111** | 11 | mm |
| **13-112**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

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




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

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



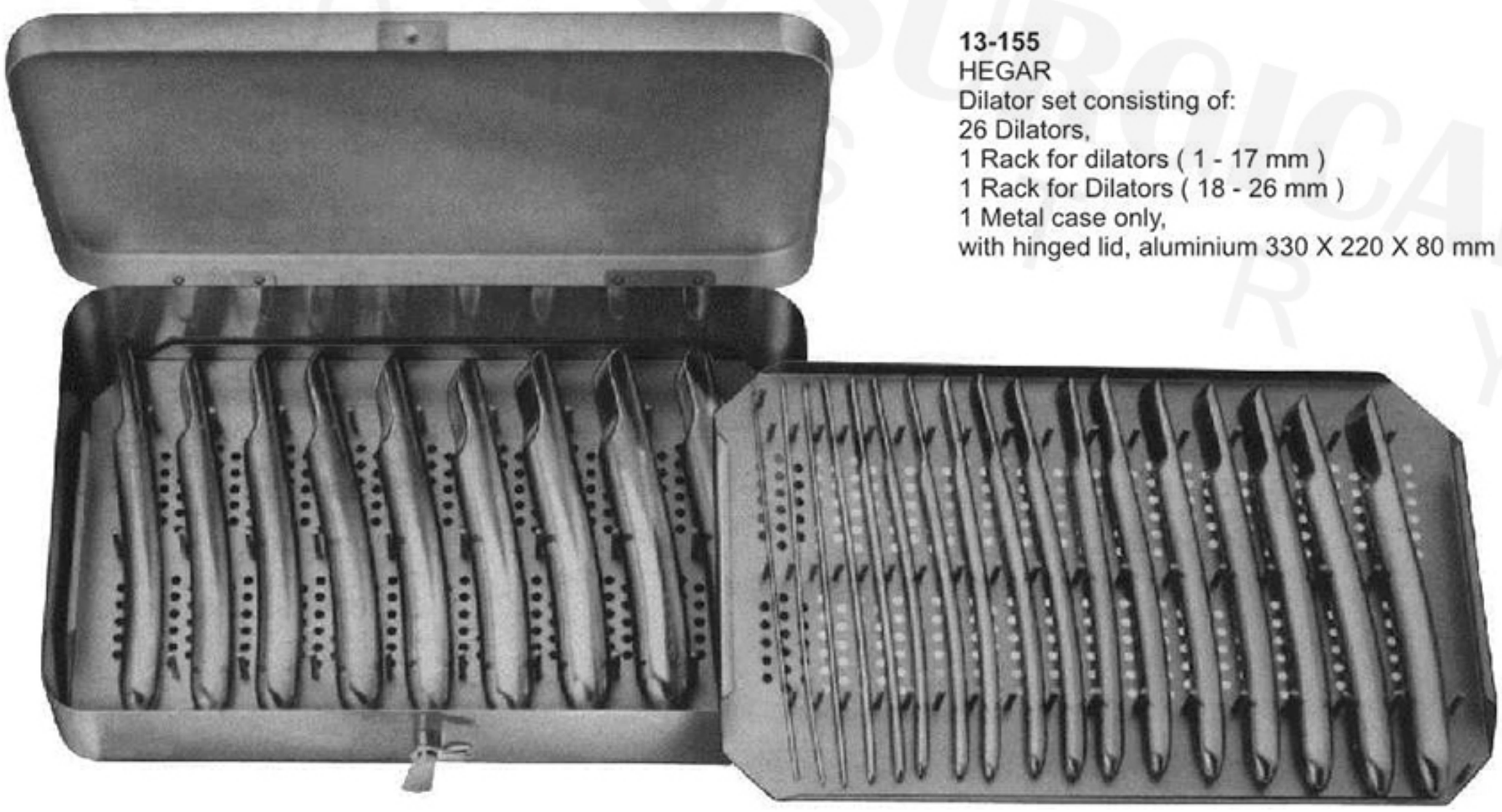

**13-153**
HEGAR
Uterine dilator set, in canvas roll with 8 dilators.

THORACIC SURGICAL INDUSTRY

# Uterine Dilators - Complete Sets



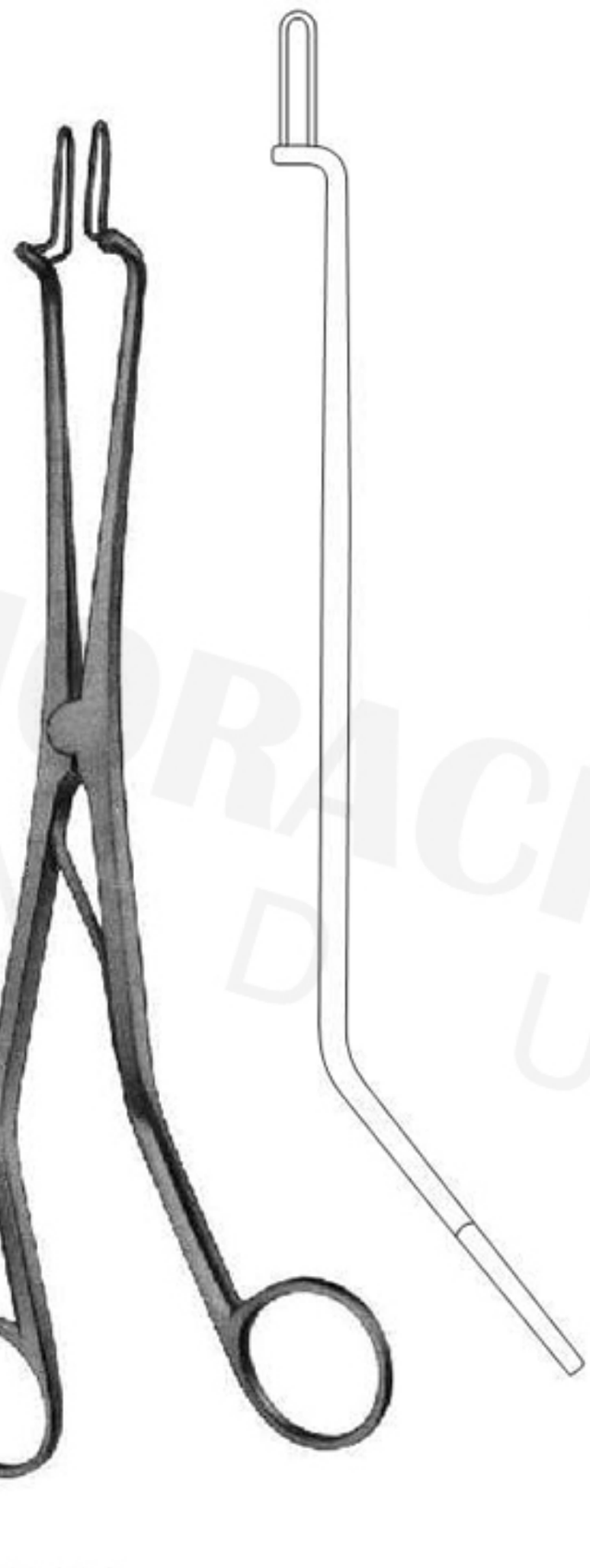
**13-154**
HEGAR
Dilator set consisting of:
14 Dilators,
1 Rack for dilators ( 4 - 12 mm )
1 Rack for Dilators ( 13 - 17 mm )
1 Metal case only,
with hinged lid, stainless 200 X 100 X 35 mm



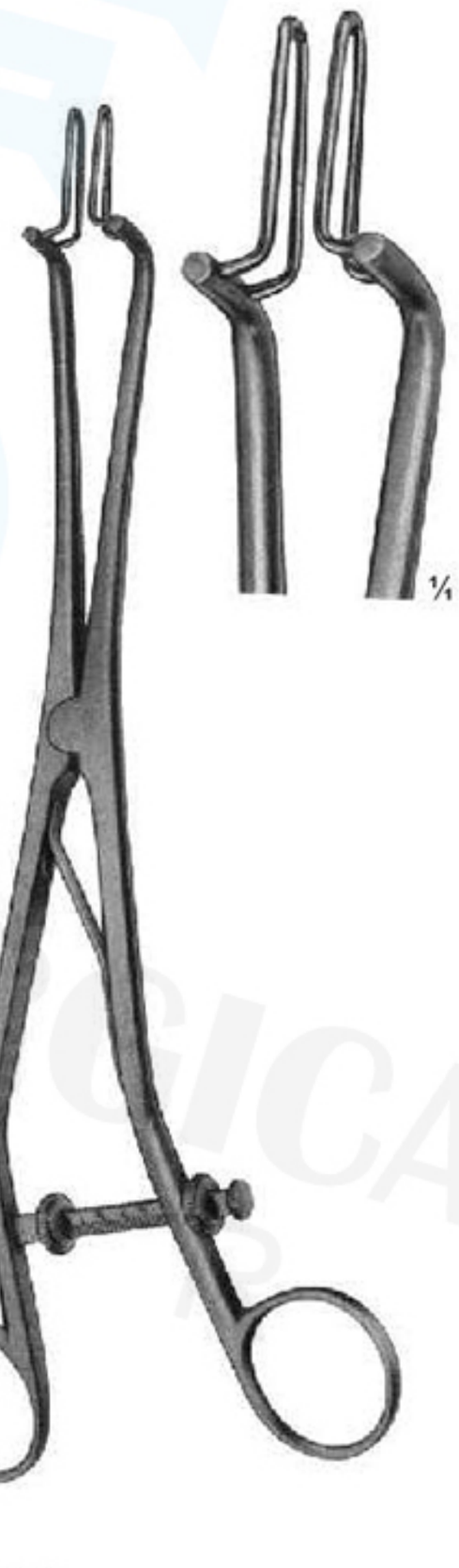
**13-155**
HEGAR
Dilator set consisting of:
26 Dilators,
1 Rack for dilators ( 1 - 17 mm )
1 Rack for Dilators ( 18 - 26 mm )
1 Metal case only,
with hinged lid, aluminium 330 X 220 X 80 mm

THORACIC SURGICAL INSTRUMENTS

# Endospecula For Cervix



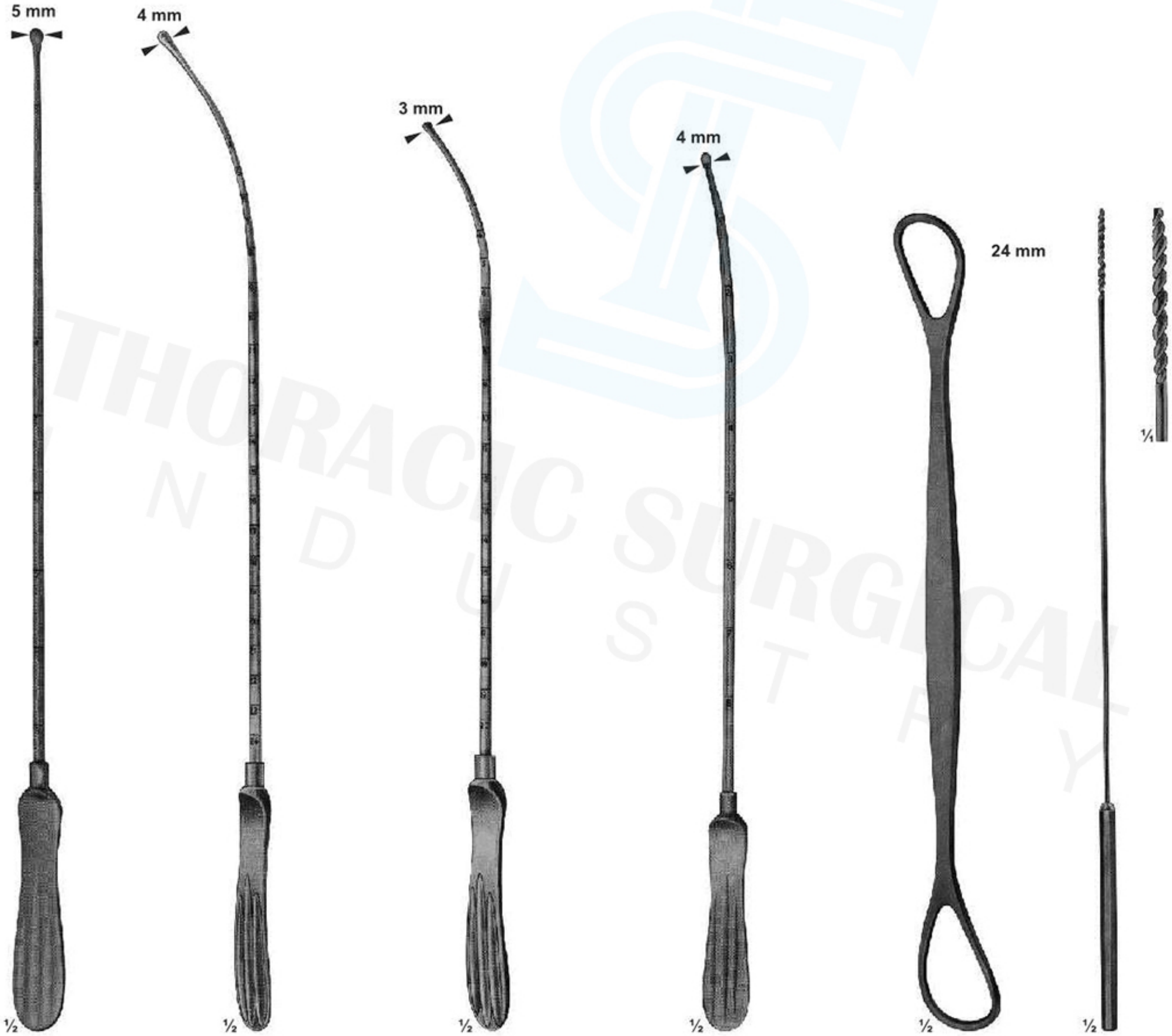

**13-156**
KOGAN
Endospecula for cervix
and urethra, without ratchet
240 mm




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

THORACIC SURGICAL INSTRUMENTS

# 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

THORACIC SURGICAL INDUSTRIES

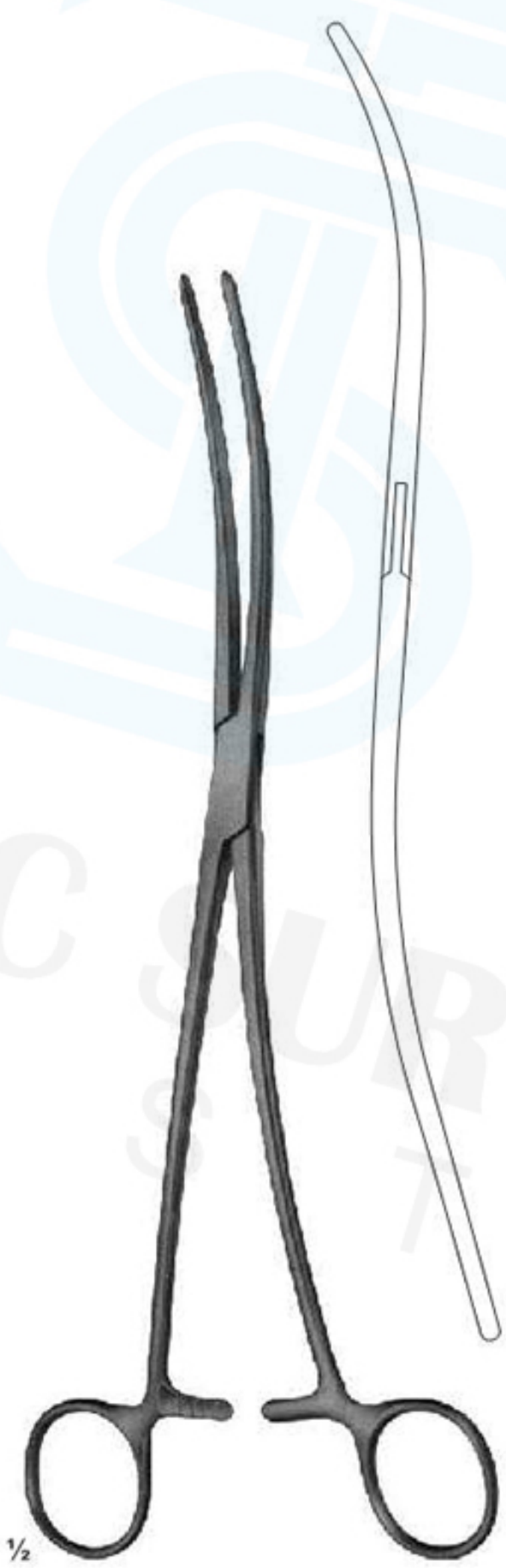
# Uterine Dressing Forceps



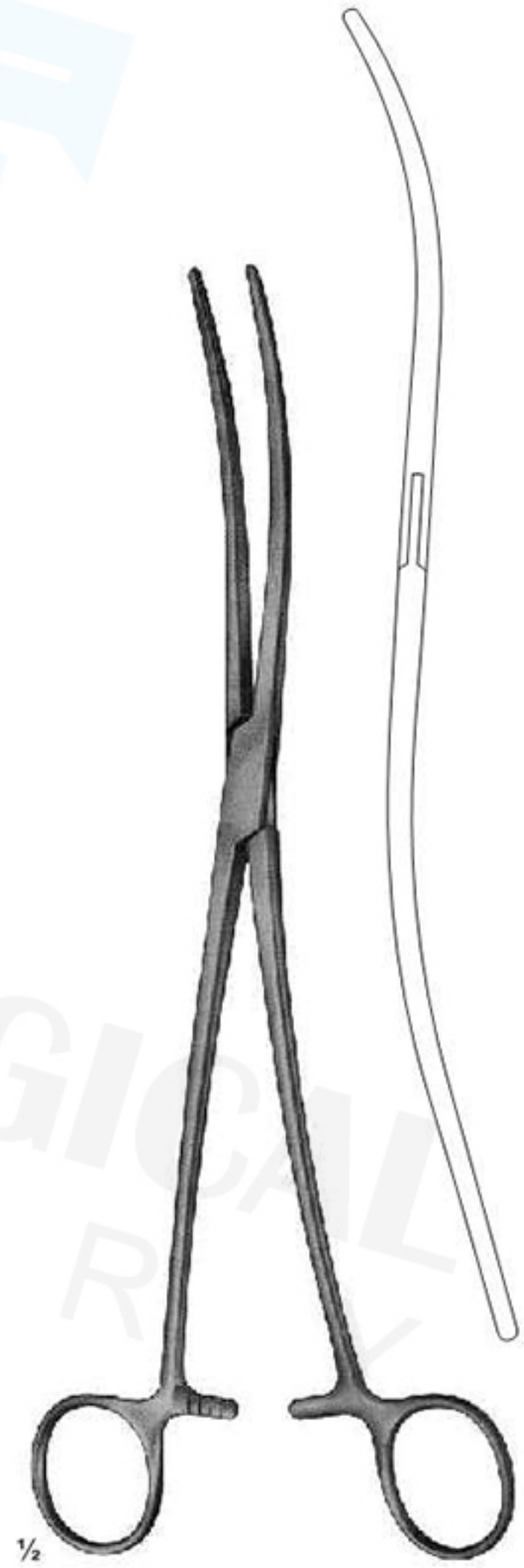
**14-107**
PELKMANN
260 mm



**14-108**
PELKMANN
260 mm



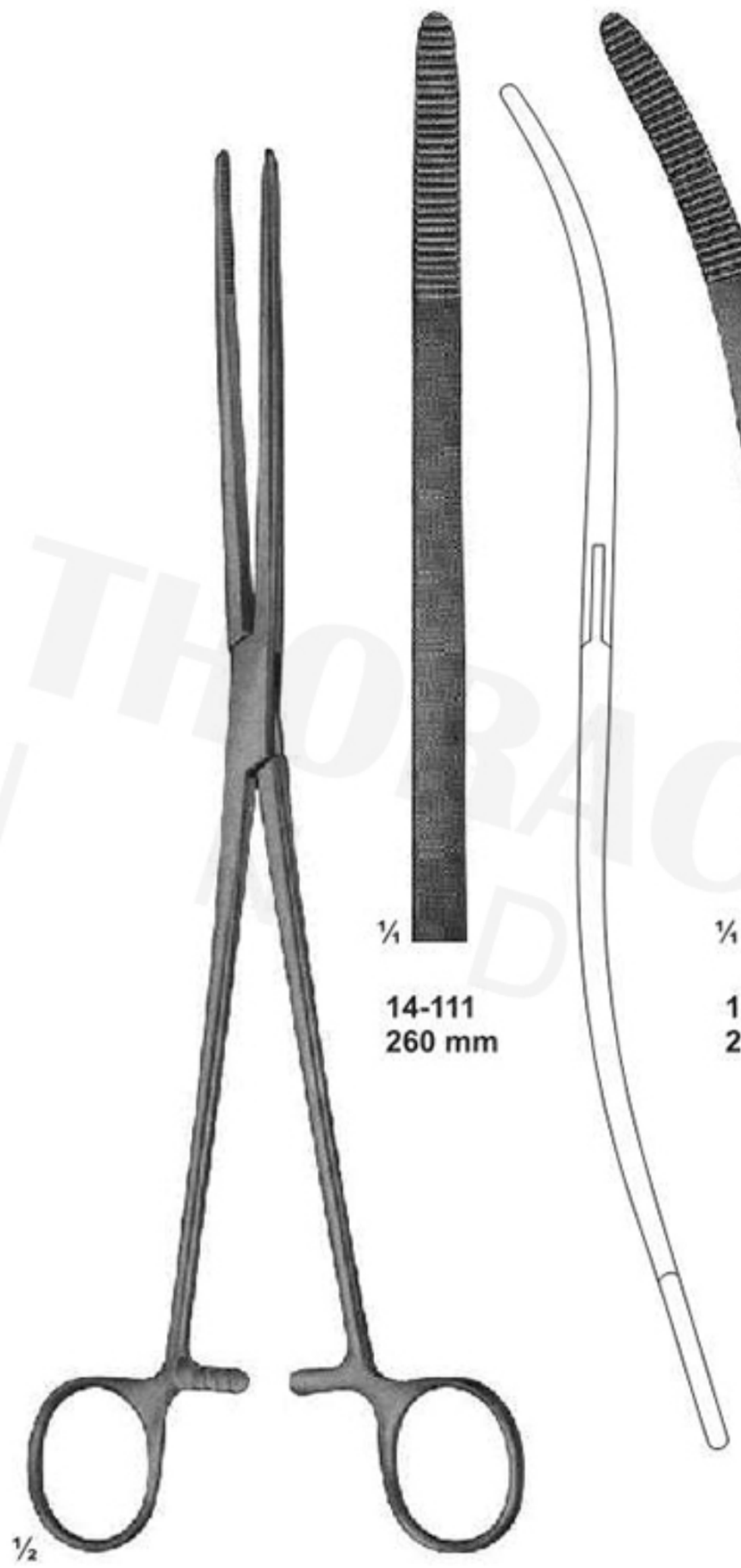
**14-109**
BOZEMANN
250 mm



**14-110**
BOZEMANN
255 mm

Jaws with longitudinal groove

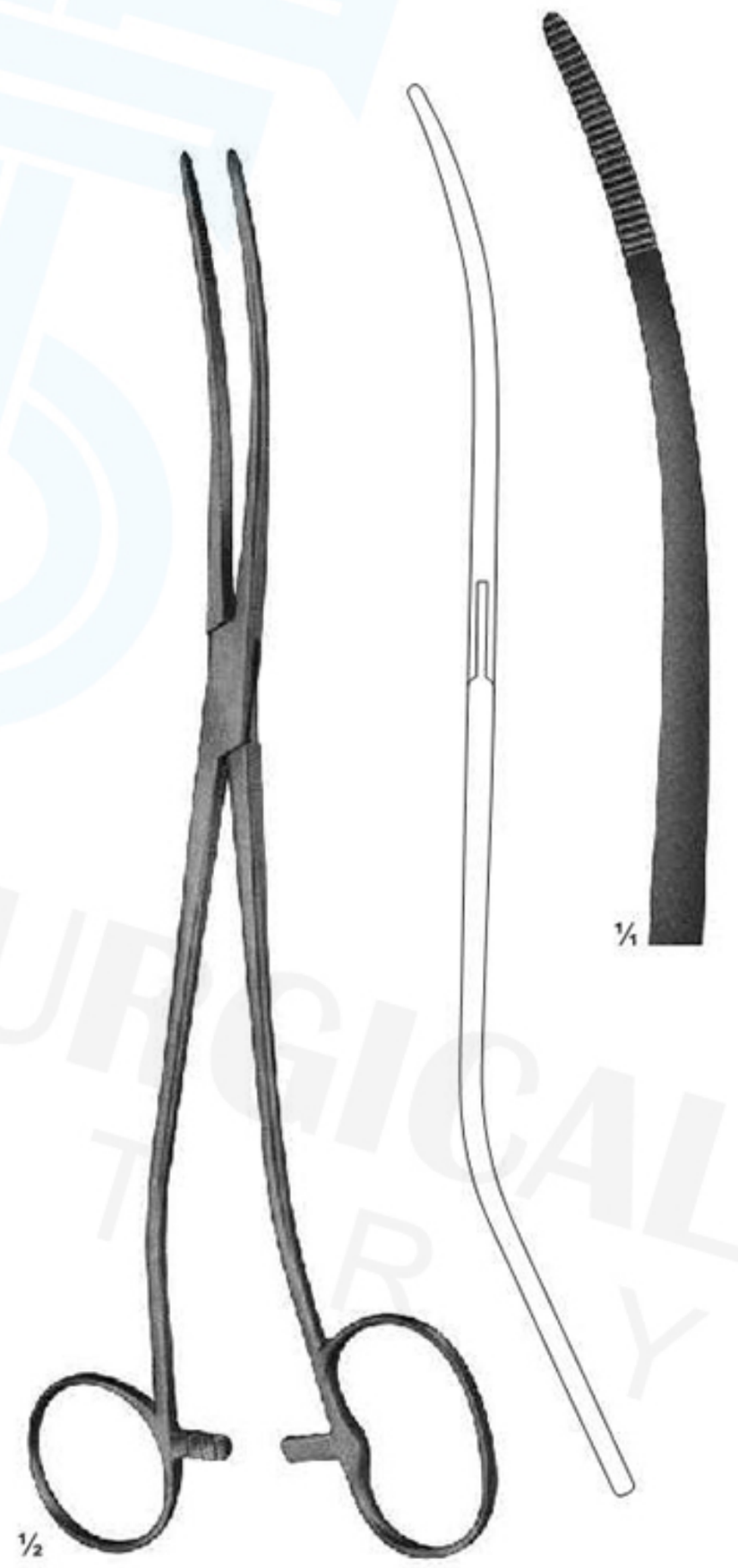
# Uterine Dressing Forceps




**14-111**
260 mm

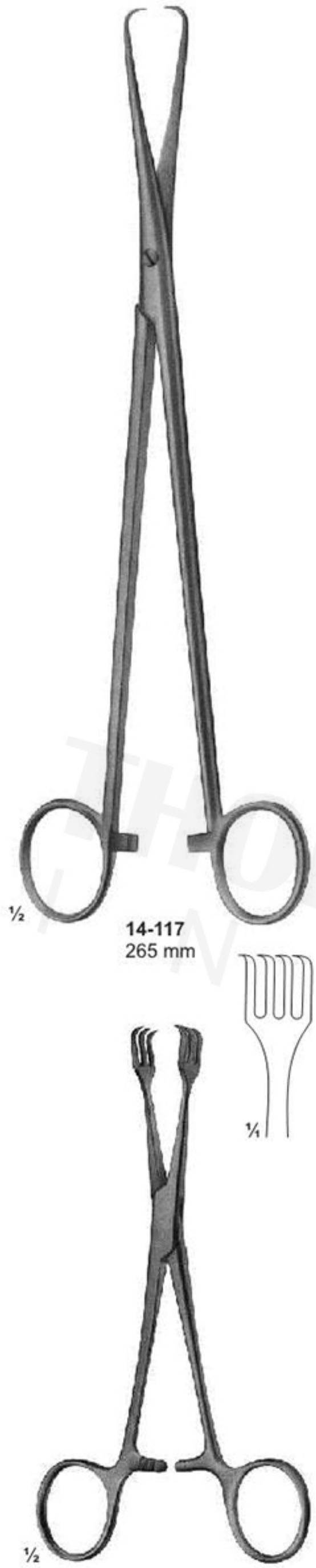
**14-112**
250 mm

**14-111 - 112**
BOZEMANN




**14-113**
BOZEMANN-DOUGLAS
260 mm

# Uterine Tenaculum Forceps




**14-117**
265 mm







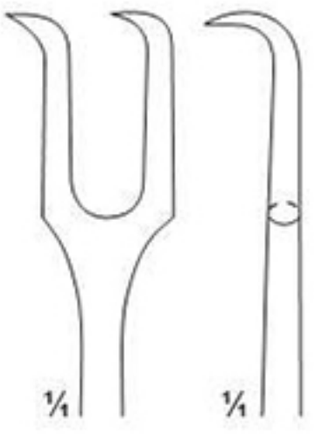


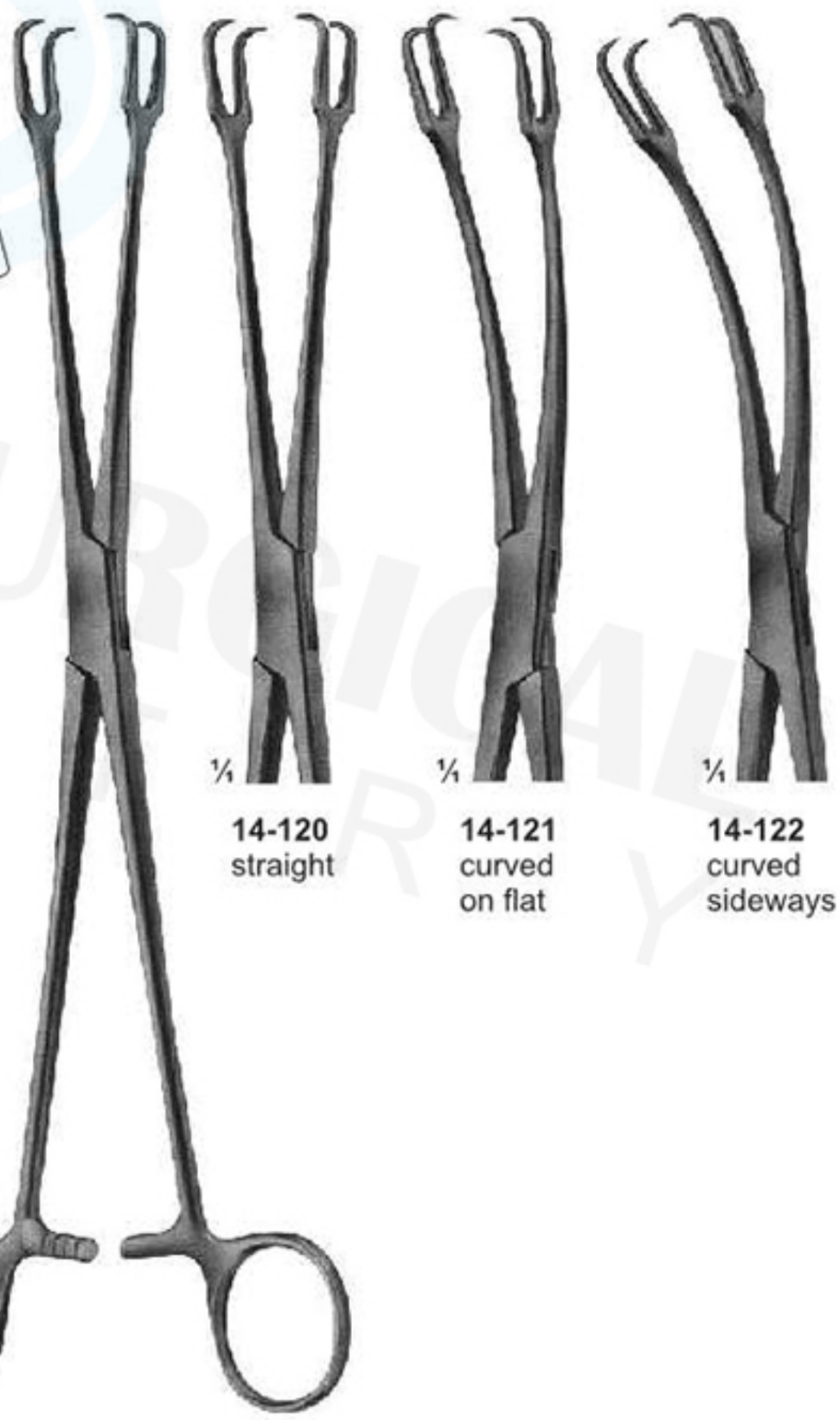
**14-119**
LAHEY
155 mm




**14-118**
DUPLAY
250 mm




**14-120**
straight

**14-121**
curved
on flat

**14-122**
curved
sideways

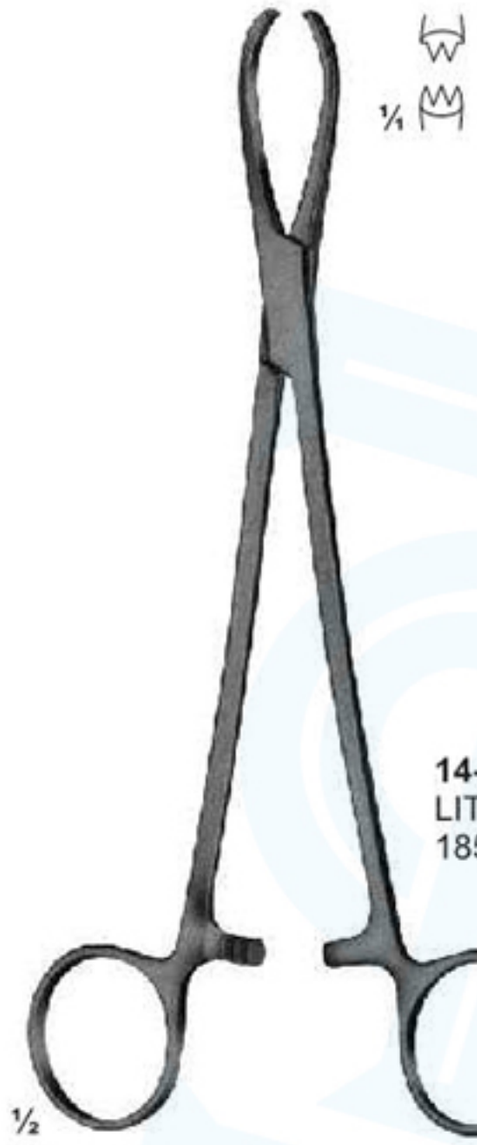



**14-120 - 122**
SCHRODER
250 mm

# Uterine Tenaculum Forceps




**14-127**
JACOBS
215 mm



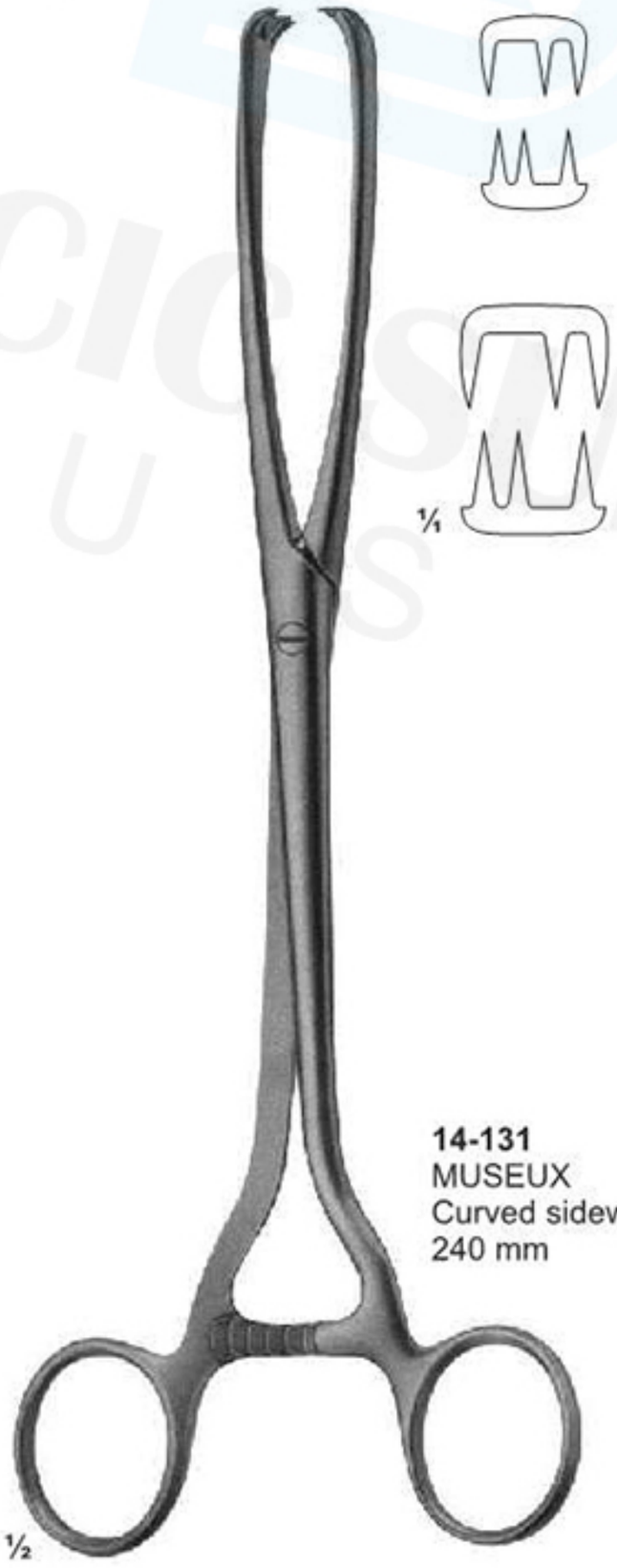

**14-128**
LITTLEWOOD
185 mm



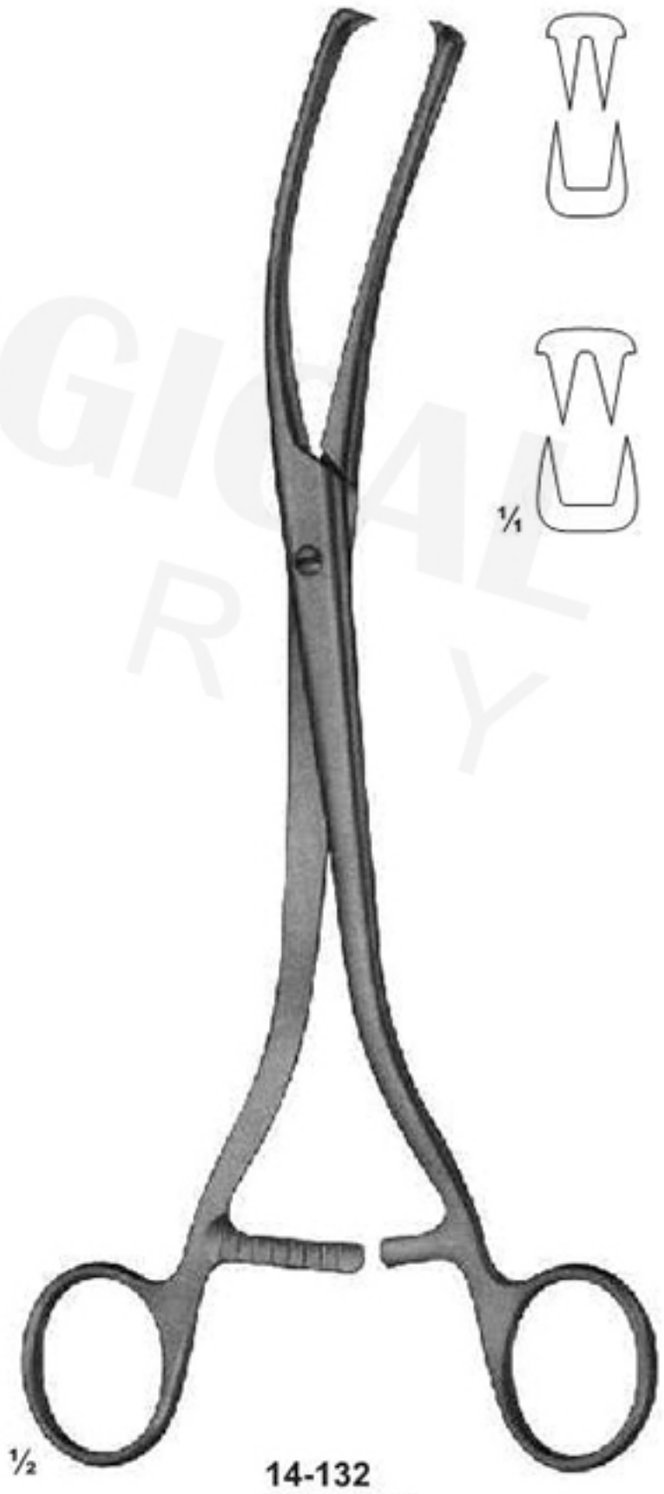

**14-129**
MUSEUX
200 mm




**14-130**
MUSEUX
240 mm




**14-131**
MUSEUX
Curved sideways
240 mm




**14-132**
MUSEUX
240 mm

THORACIC SURGICAL INDUSTRY

# 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

THORACIC SURGICAL INDUSTRY

# Polypus and Ovum Forceps







14-138




14-139







**14-137**
DOYEN
185 mm




**14-138 - 139**
250 mm 270 mm




**14-140**
BUMM
280 mm

THORACIC SURGICAL INDUSTRY

# Uterine Elevating Forceps




**14-141**
COLLIN
250 mm




**14-142**
COLLIN
285 mm




**14-143**
DARTIGUES
255 mm

TORACIC SURGICAL INDUSTRY

# Uterine Elevating Forceps



½

**14-144**
SOMER
235 mm



½

**14-145**
STRASSMANN
260 mm

THORACIC SURGICAL INDUSTRY

# Uterine Elevating Forceps

With movable jaws



½

**14-146**
COLLIN
265 mm

With movable jaws



½

**14-147**
260 mm

THORACIC SURGICAL INDUSTRY

# Myoma Instruments



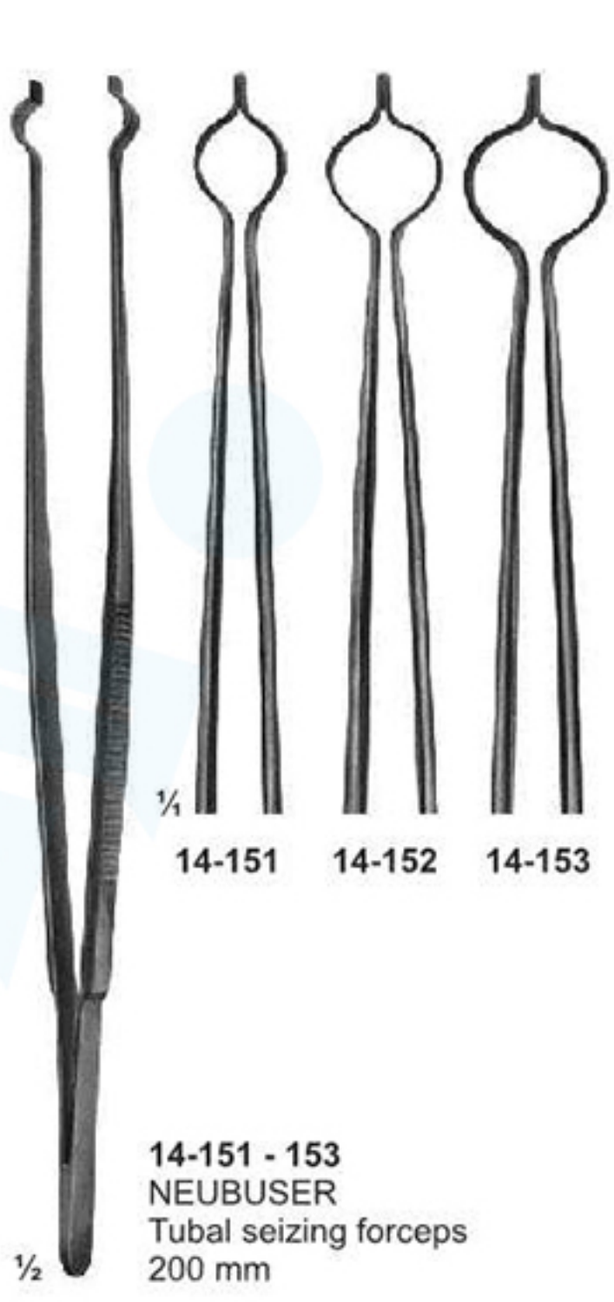
**14-148**
SEGOND
Myomatome
270 mm



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



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



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

**14-151** **14-152** **14-153**



**14-154**
Splint guide
with thread



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

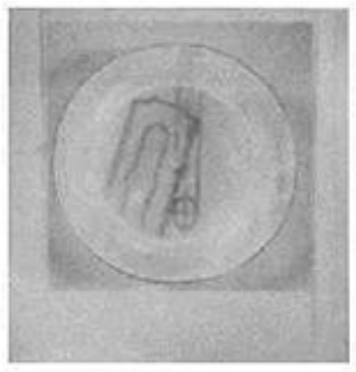


**14-156**
Angled glass rods
Set . 3 pieces

**145 X 100 X 1.5 mm**



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



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

# Biopsy Curettes




**15-101**
ASCH
Uterine
Secretion scoop
200 mm

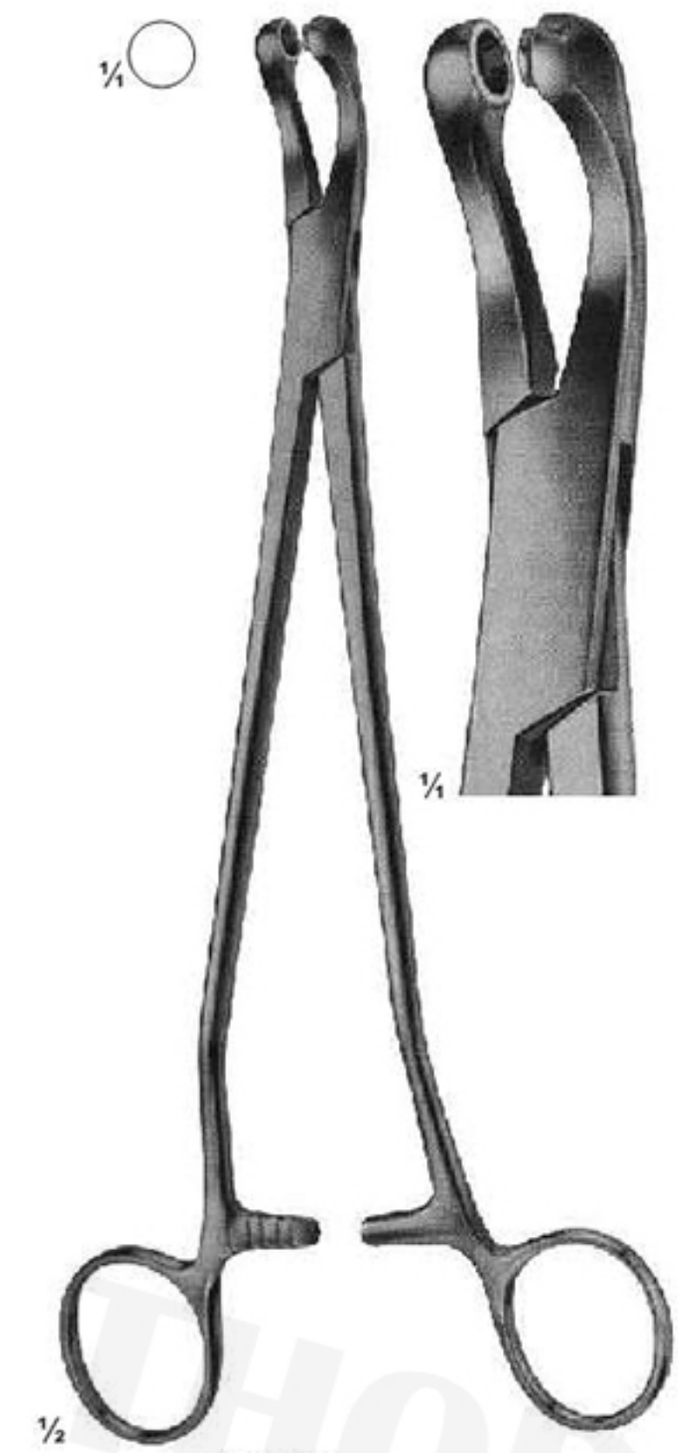
**15-102**
Uterine
Secretion scoop
270 mm

**15-103**
NOVAK-SCHOECKAERT
Endometrial biopsy
curette
240 mm

**15-104**
RANDALL
Endometrial biopsy
curette
240 mm

THORACIC SURGICAL INDUSTRY

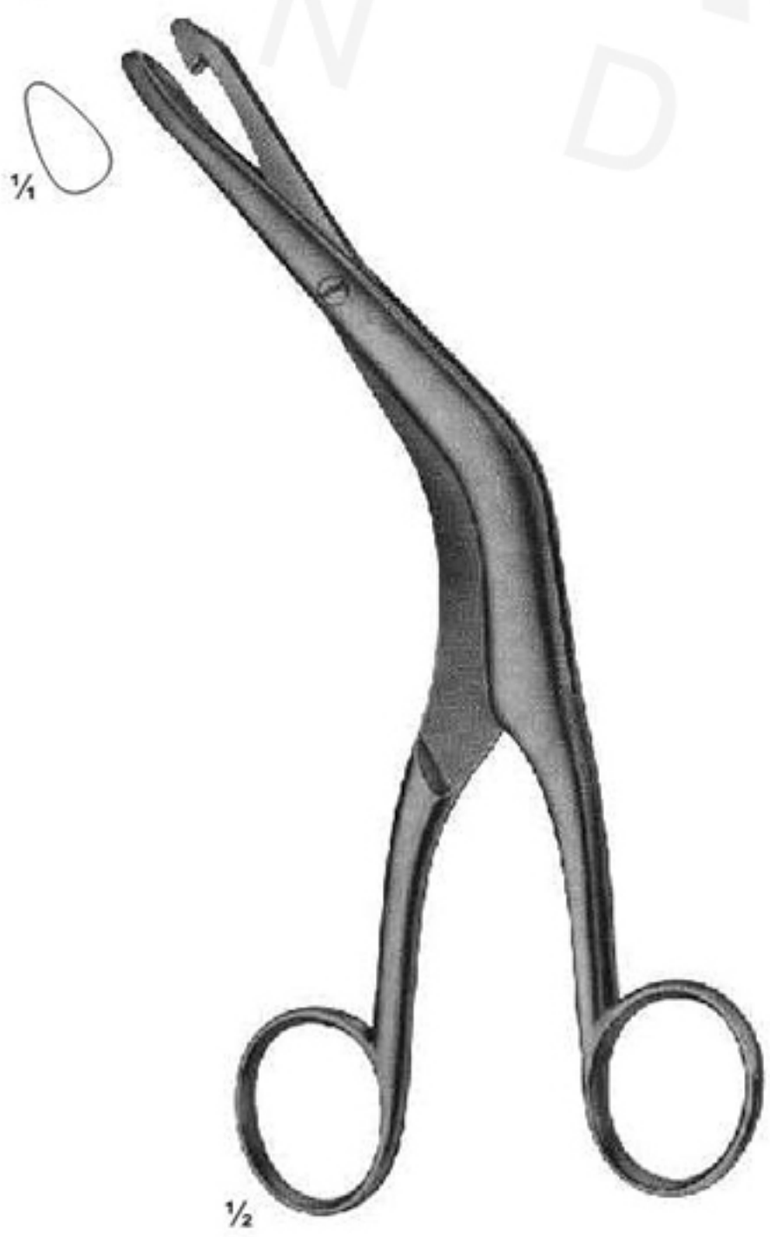
# Biopsy Forceps



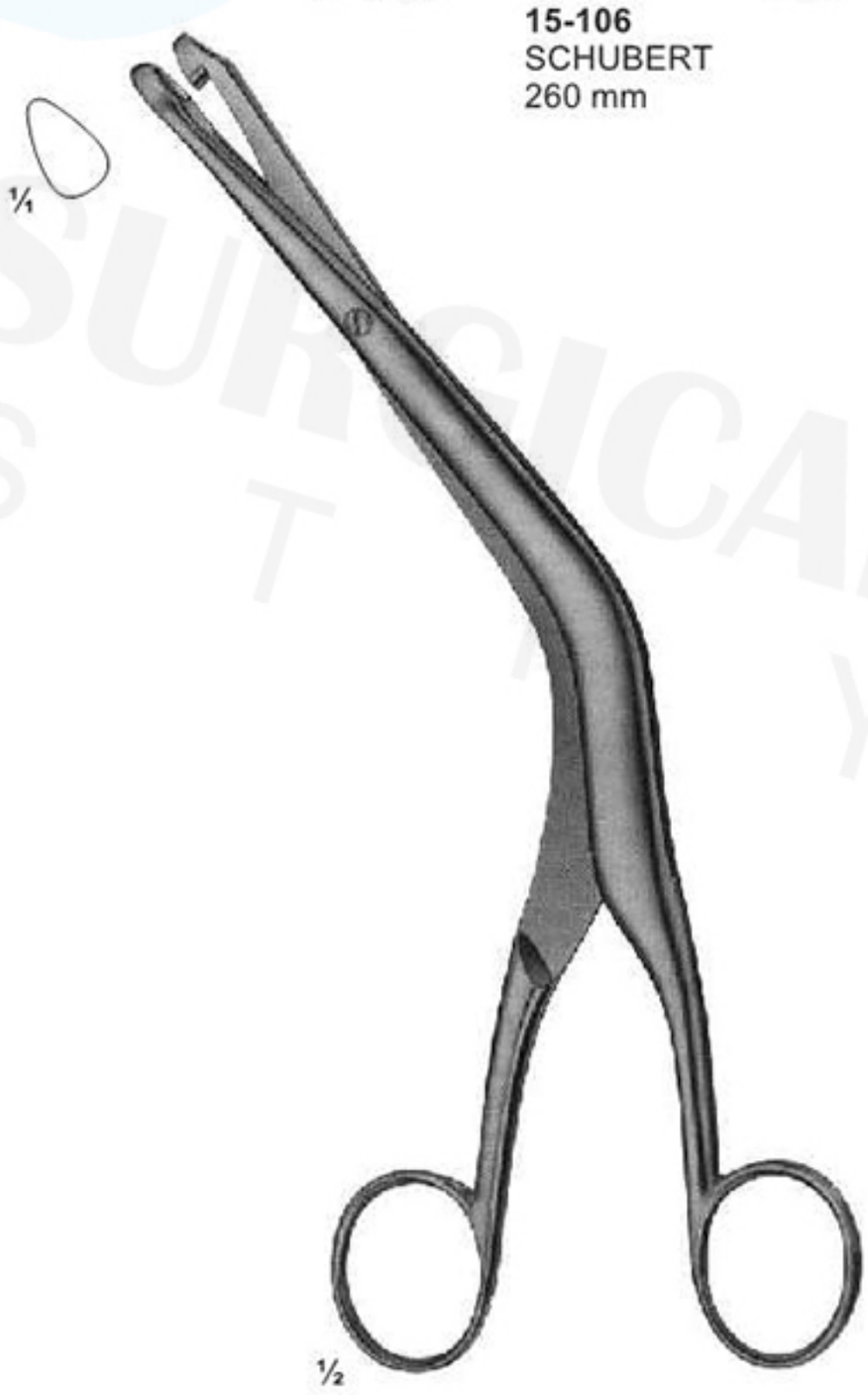

**15-105**
THOMS-GAYLOR
240 mm




**15-106**
SCHUBERT
260 mm

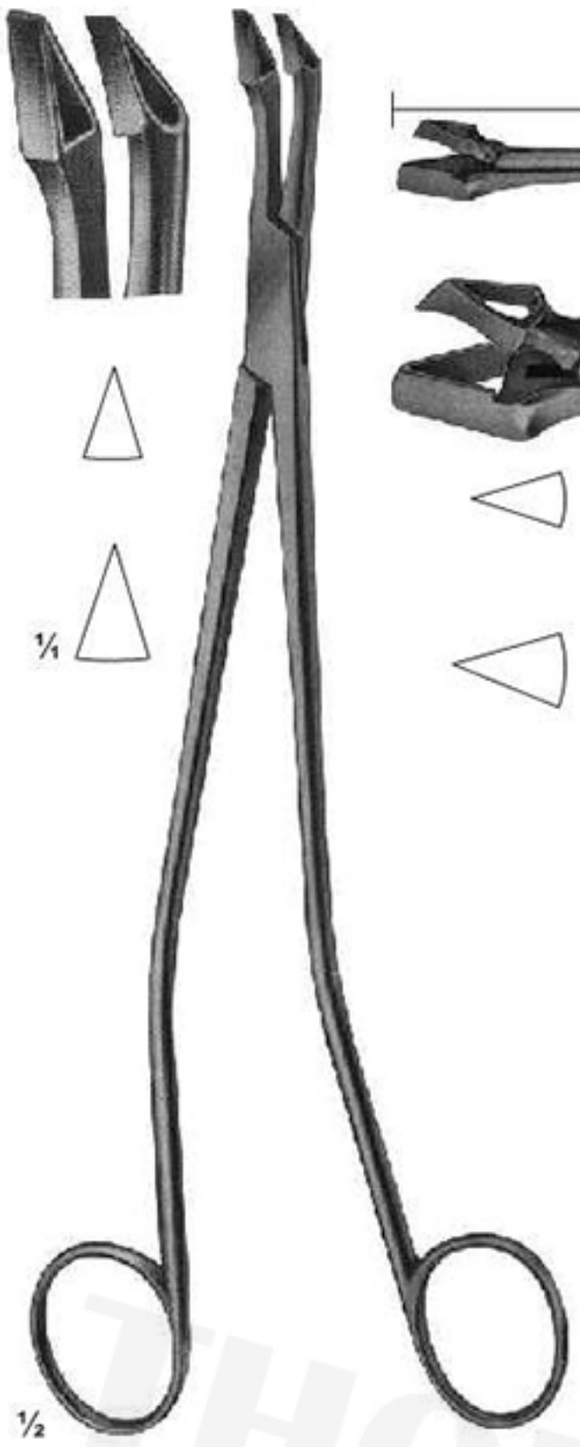



**15-107**
FAURE
210 mm

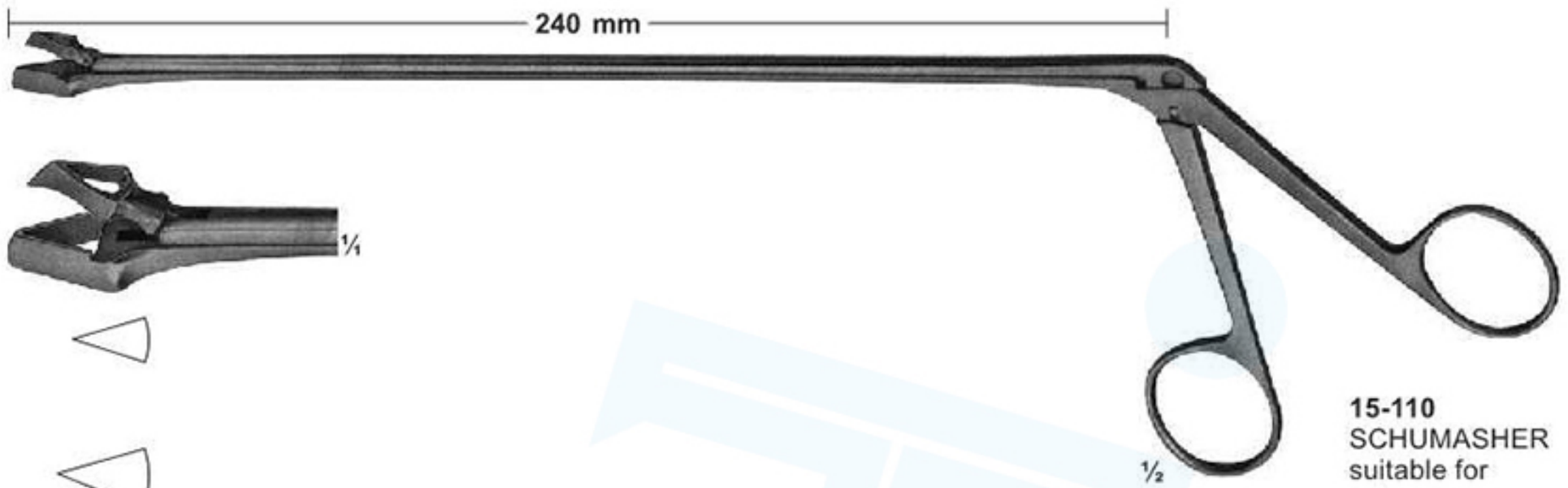



**15-108**
FAURE
240 mm

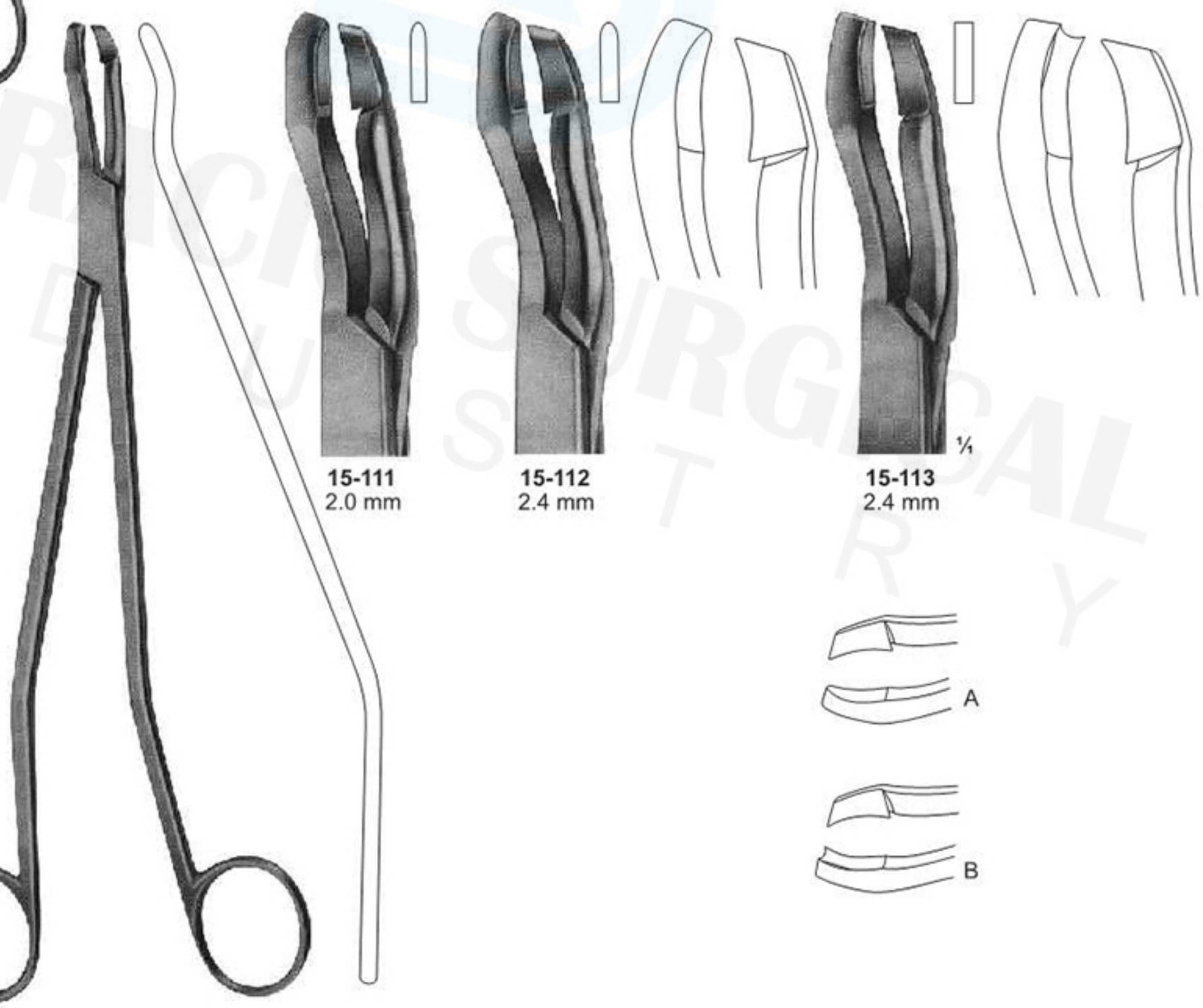
# Biopsy Forceps




**15-109**
SCHUMASHER
240mm




**15-110**
SCHUMASHER
suitable for
colposcopy



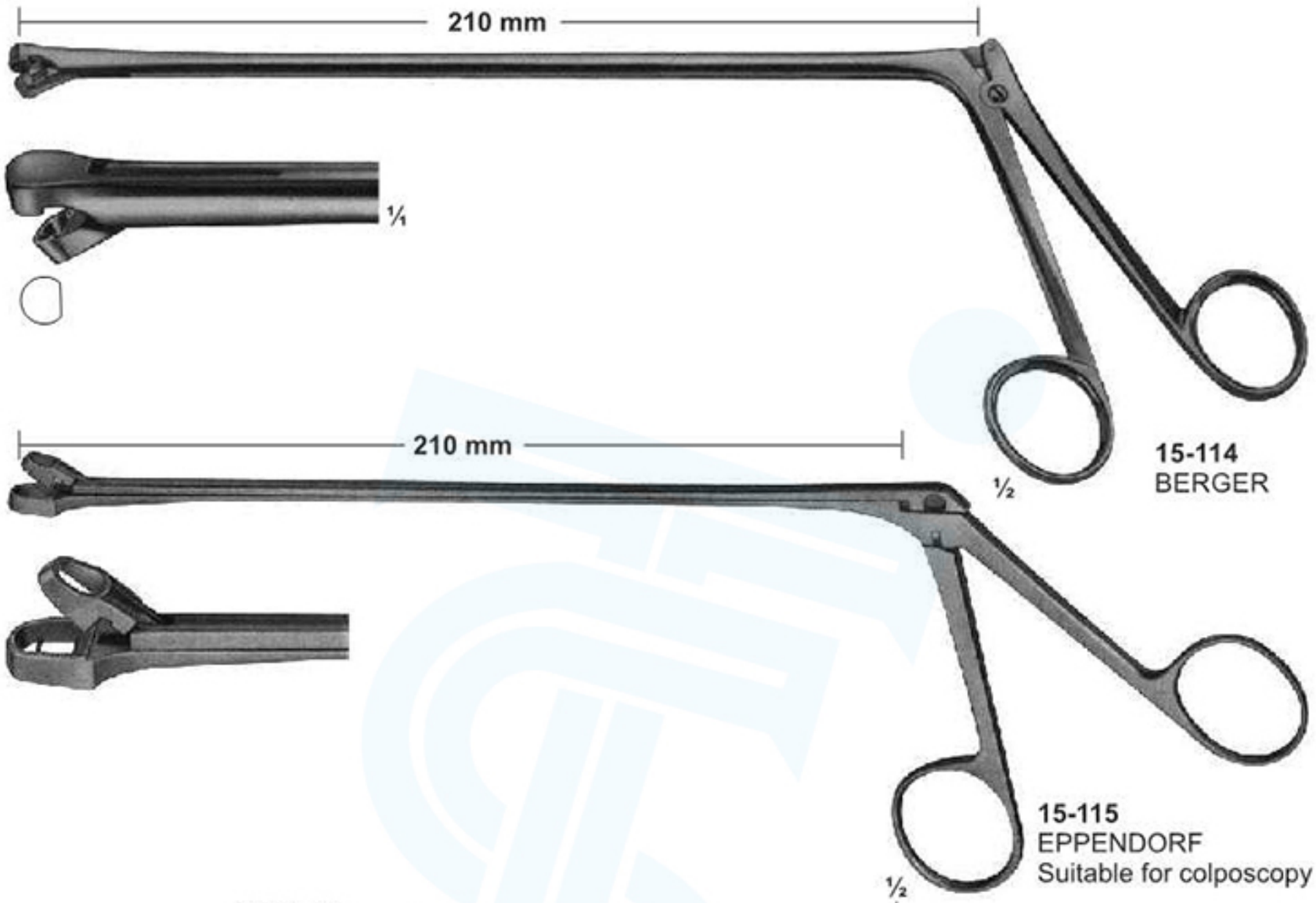

**15-111**
2.0 mm

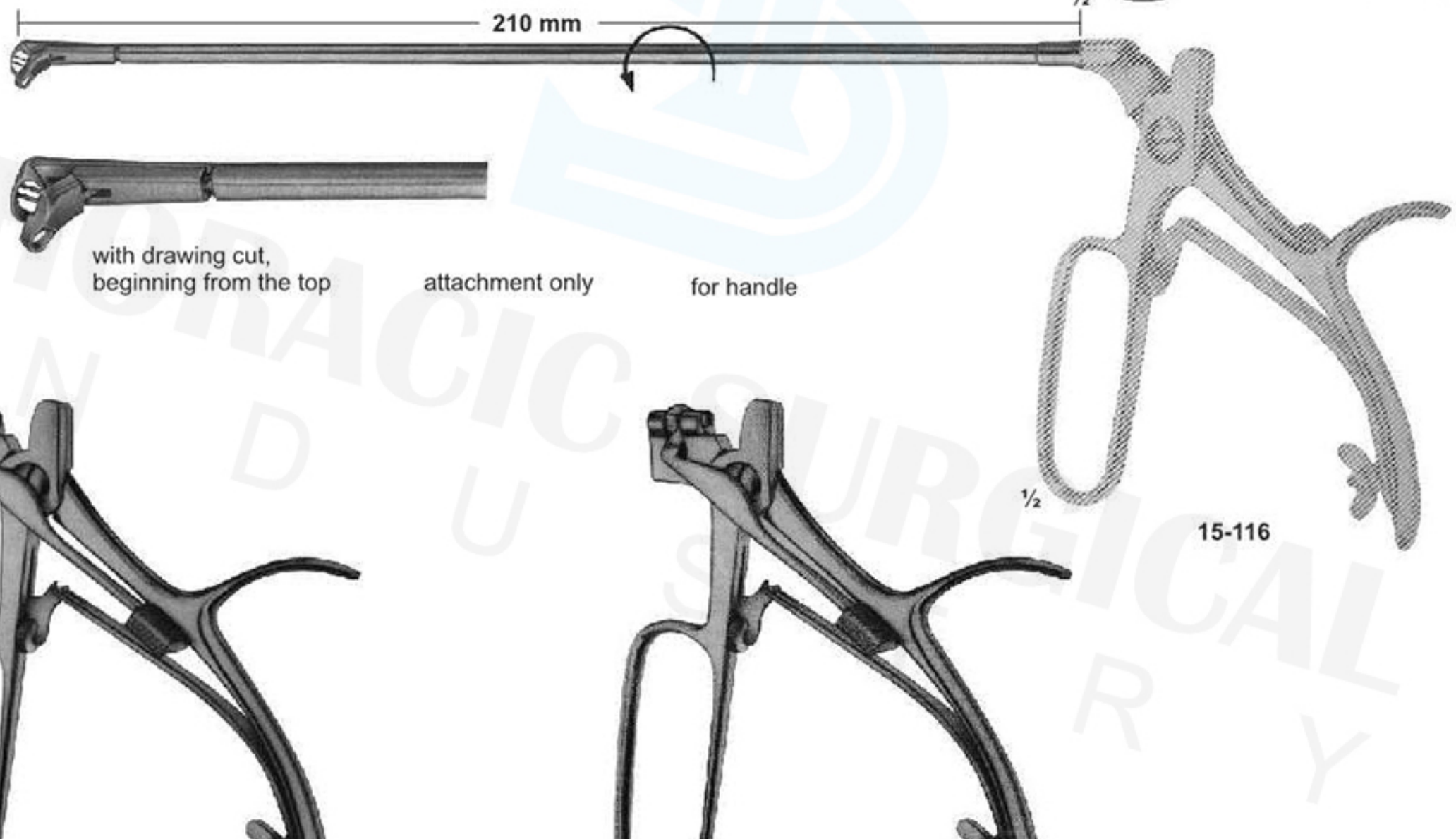
**15-112**
2.4 mm

**15-113**
2.4 mm

**15-111 - 113**
SEIDL DBP
Biopsy forceps, bayonet shaped
for portio, vagina and vulva
240mm

# Biopsy Forceps










Extension cannulae



**15-119** BRUENINGS 200 mm Length
**15-120** BRUENINGS 250 mm Length



**15-121 KRAUSE** ( Biopsy tip )

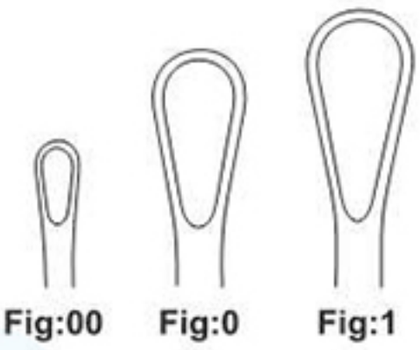


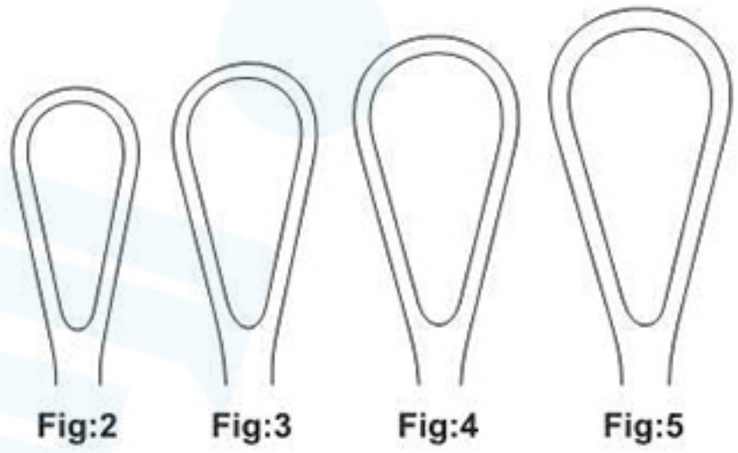
**15-122 SCHEINMANN** ( Biopsy tip )

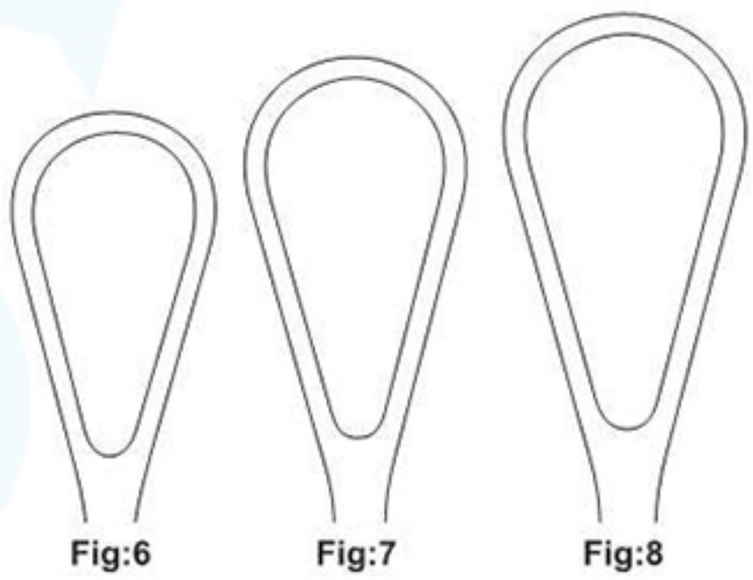


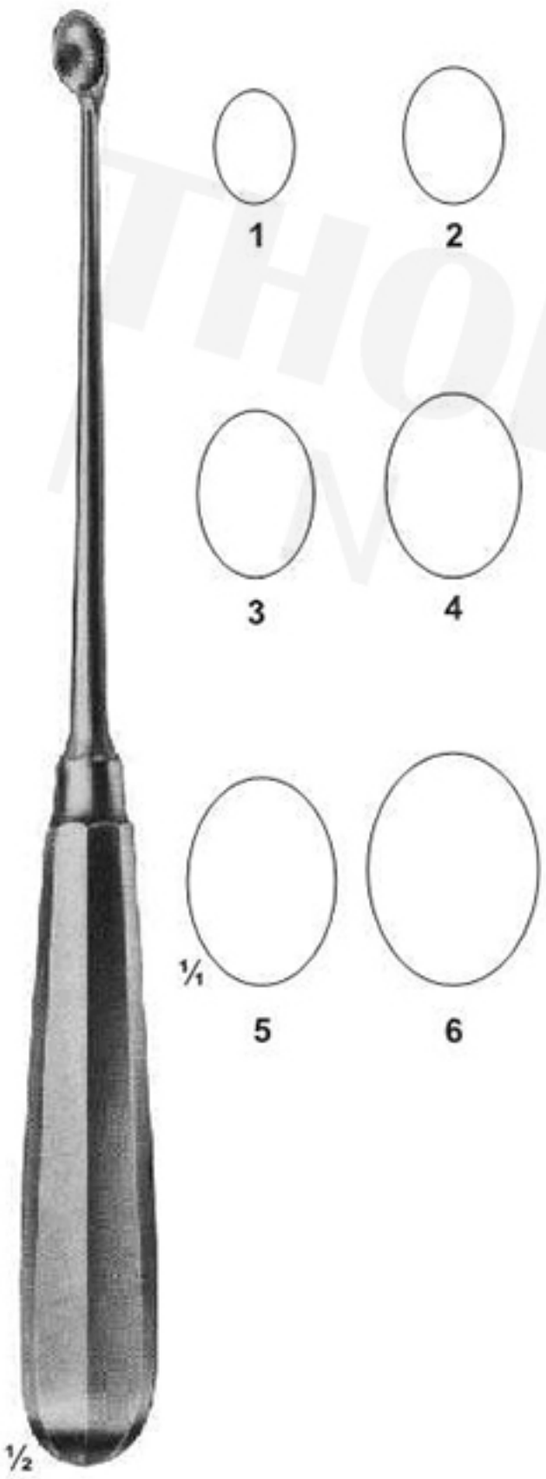
**15-123 SCHEINMANN** ( Biopsy tip )
with drawing cut

# Uterine Scoops

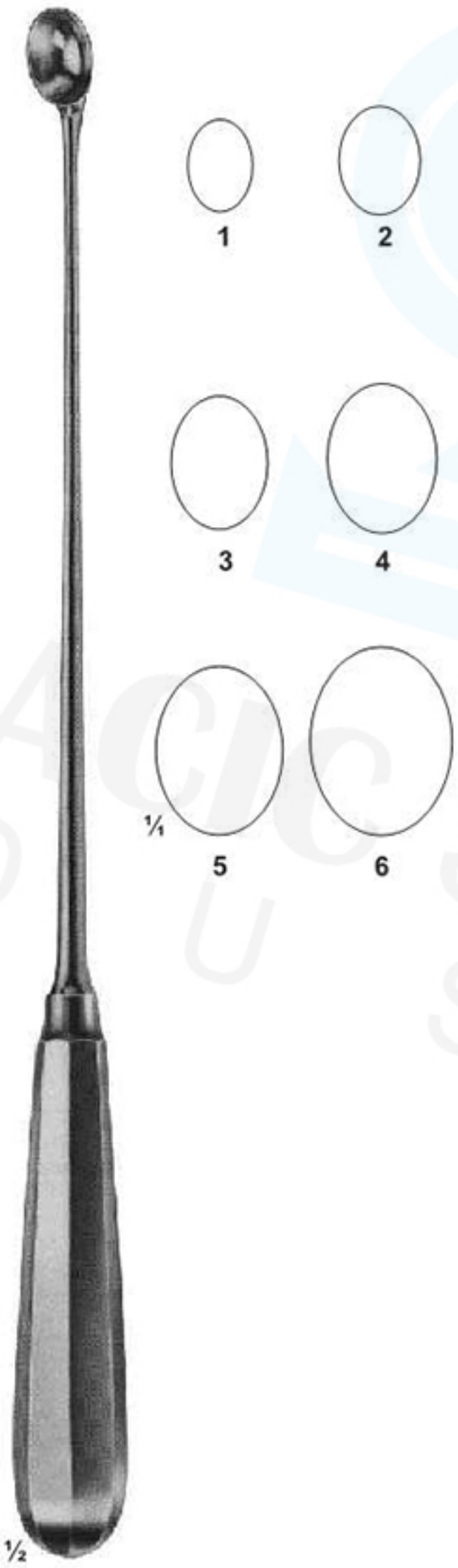


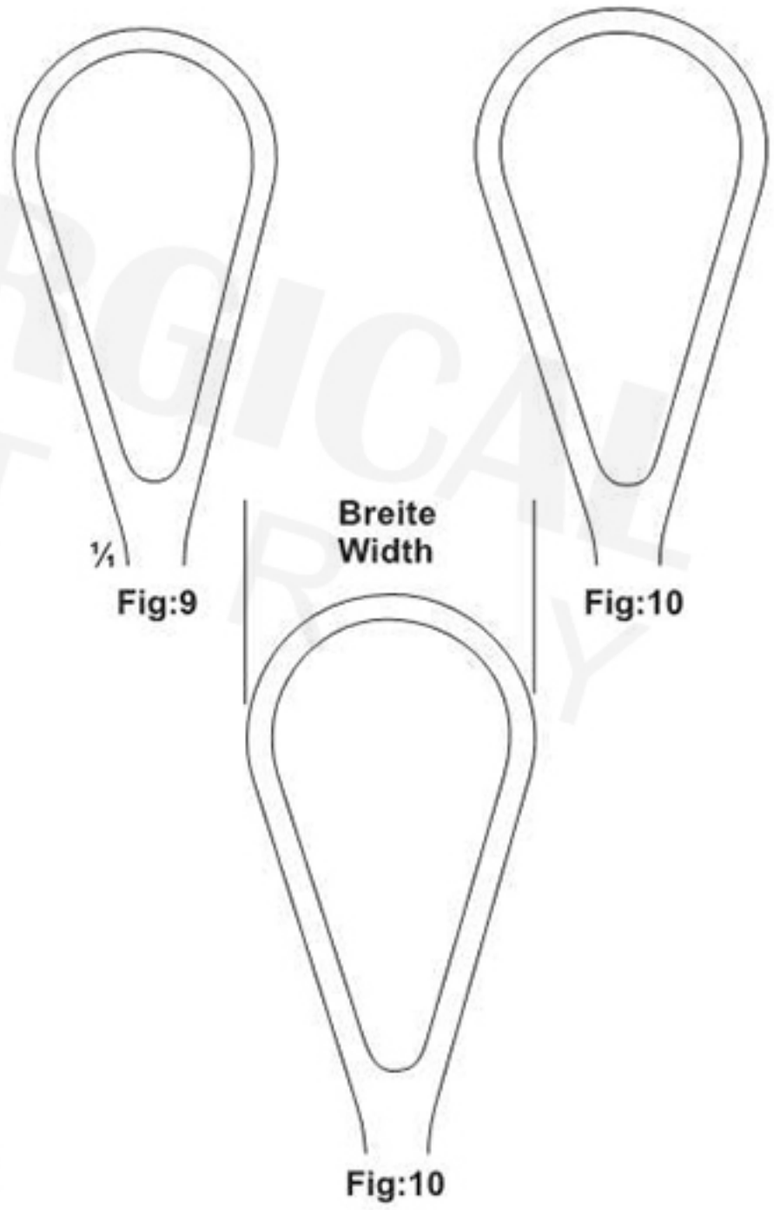

**15-124**
SIMON
240 mm



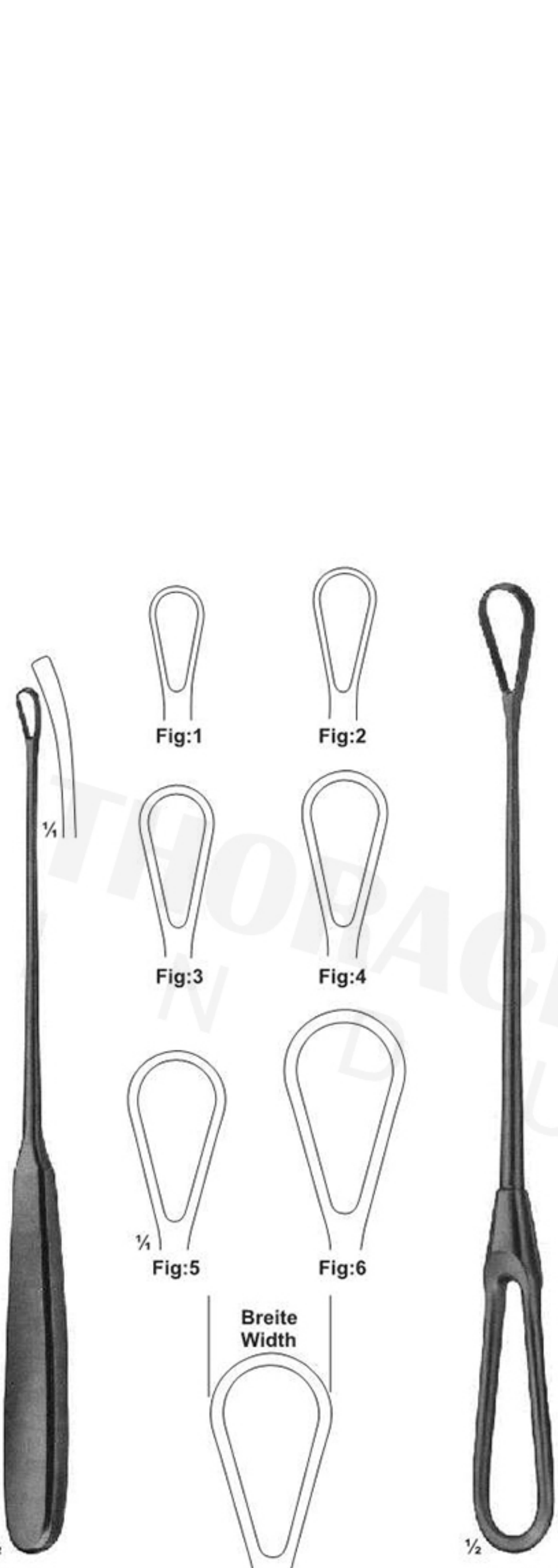

**15-125**
SCHRODER
310 mm




**15-126**
RECAMIER
300 mm



# Uterine Curettes



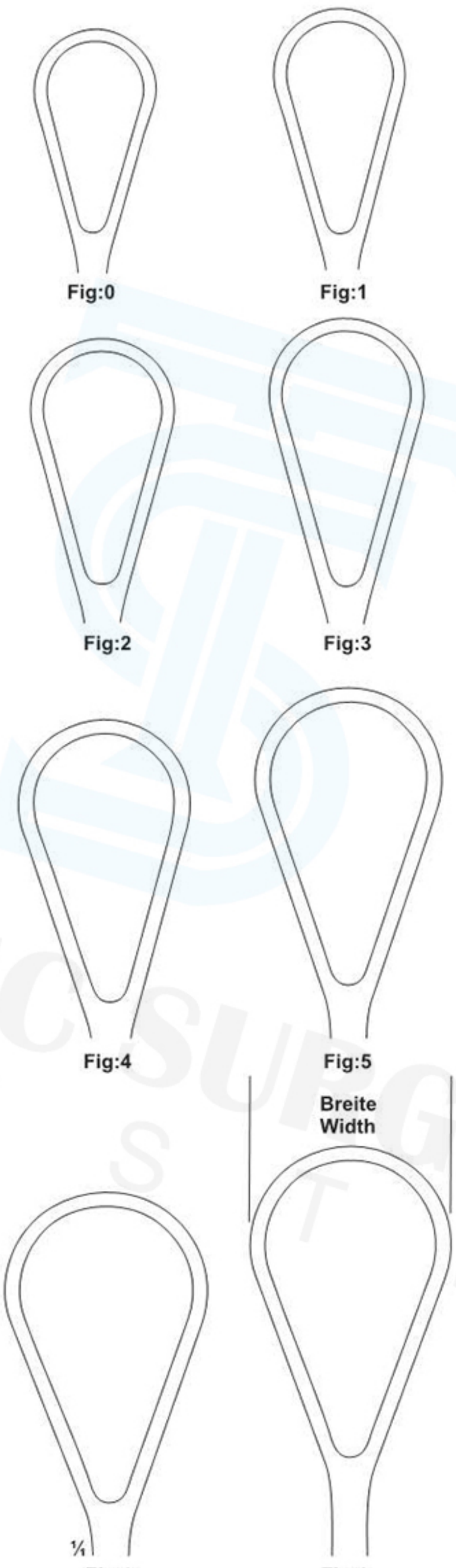

**15-127**
SIMS
255 mm







**15-128**
BUMM
blunt-malleable
290 mm







**15-129**
BLAKE
275 mm

# Placenta-and Ovum Curettes




**15-130**
COLLIN
300 mm




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

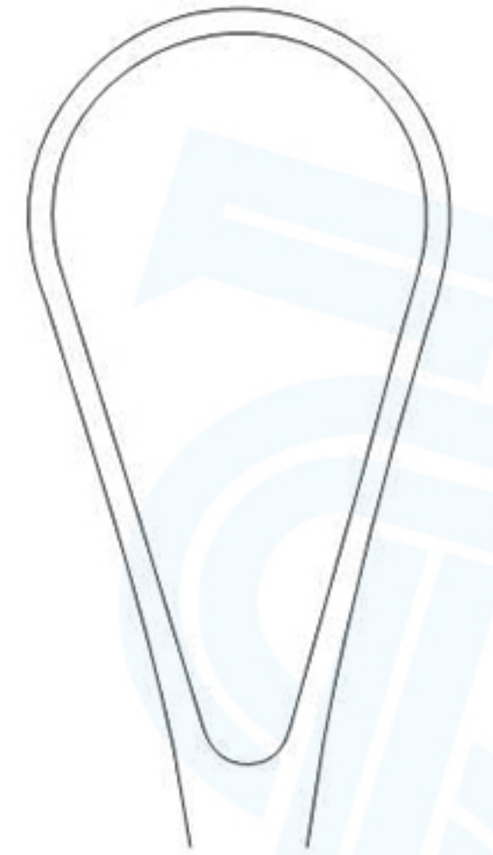


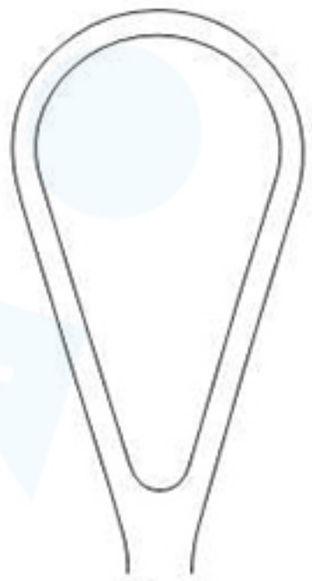




Fig:2




**15-132**
BUMM
310 mm



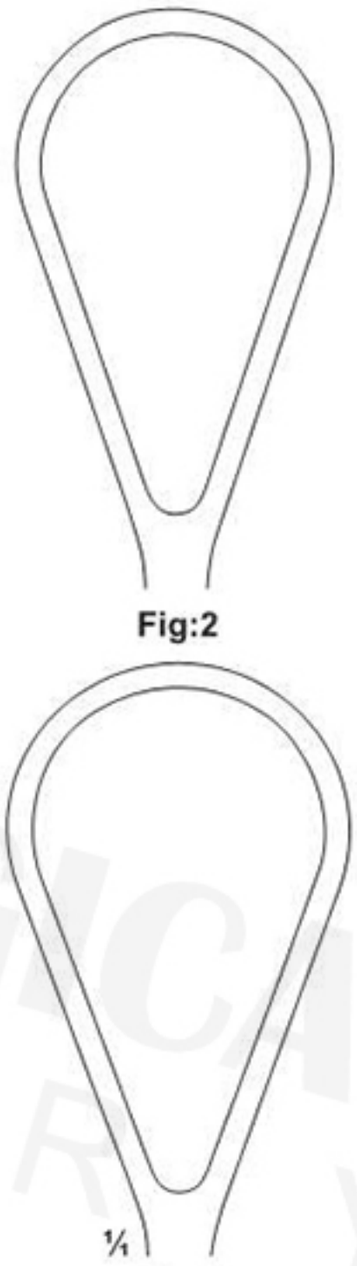







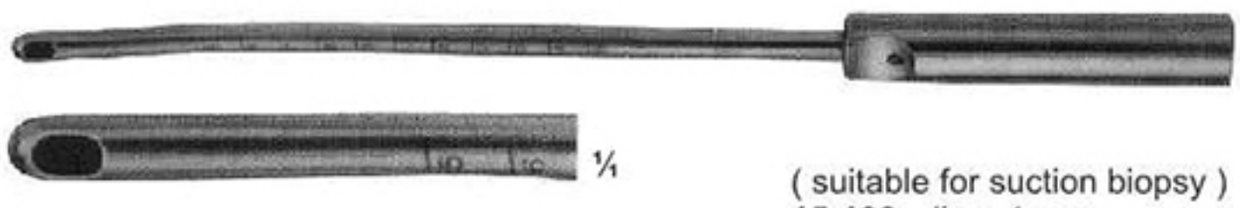
Fig:3

THORACIC SURGICAL INDUSTRY

# Vacuum Curettes

**15-133 - 138**
Suction curettes, stainless steel, fitting hose connection.

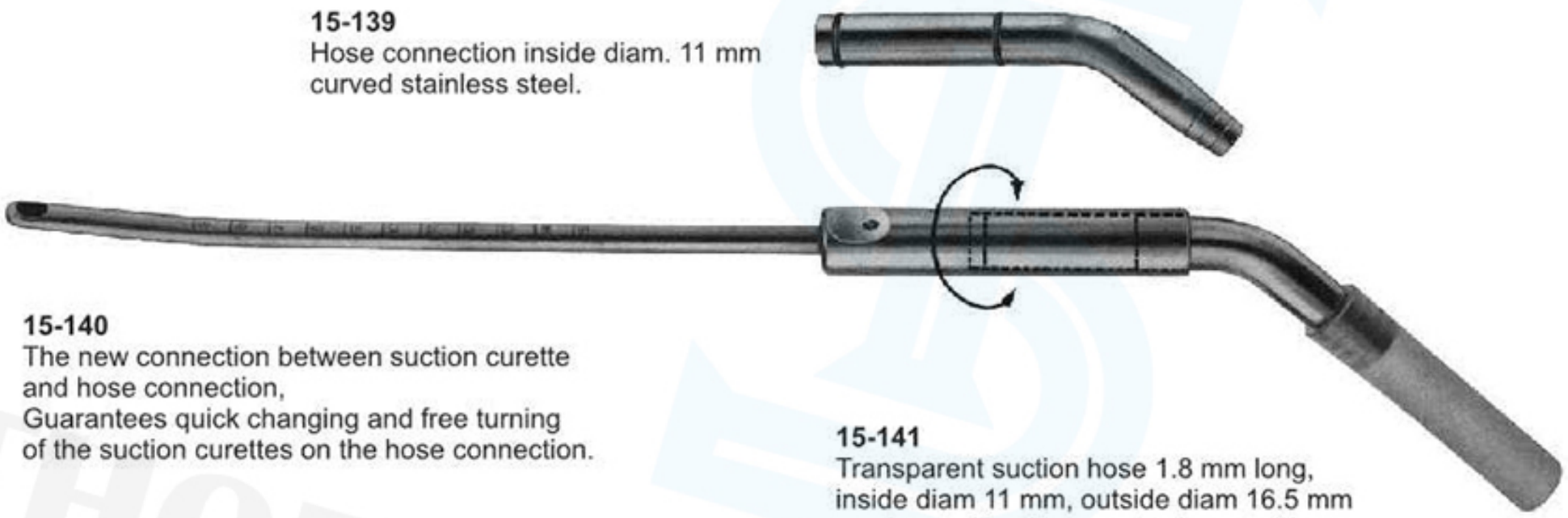
Working tips are smoothly rounded of, therefore no danger of perforation.



¼

( 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 curettes on the hose connection.

**15-141**
Transparent suction hose 1.8 mm long, inside diam 11 mm, outside diam 16.5 mm can be sterilized in an autoclave at 1 bar overpressure ( 120 C )

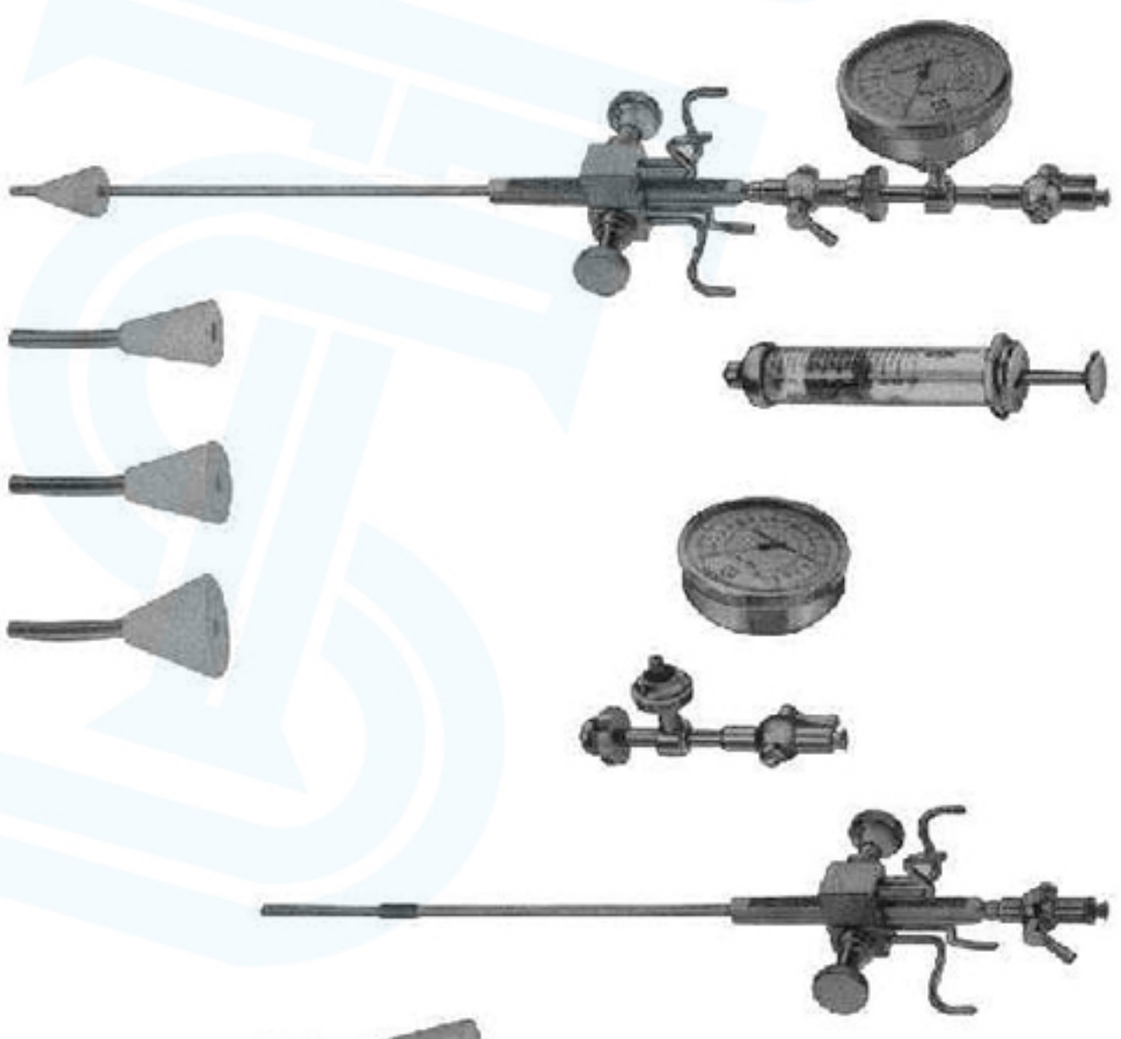


**15-142**
Strainer for tissues, plastic, for single use only, to be used for histopathological examination.

THORACIC SURGICAL INDUSTRY



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



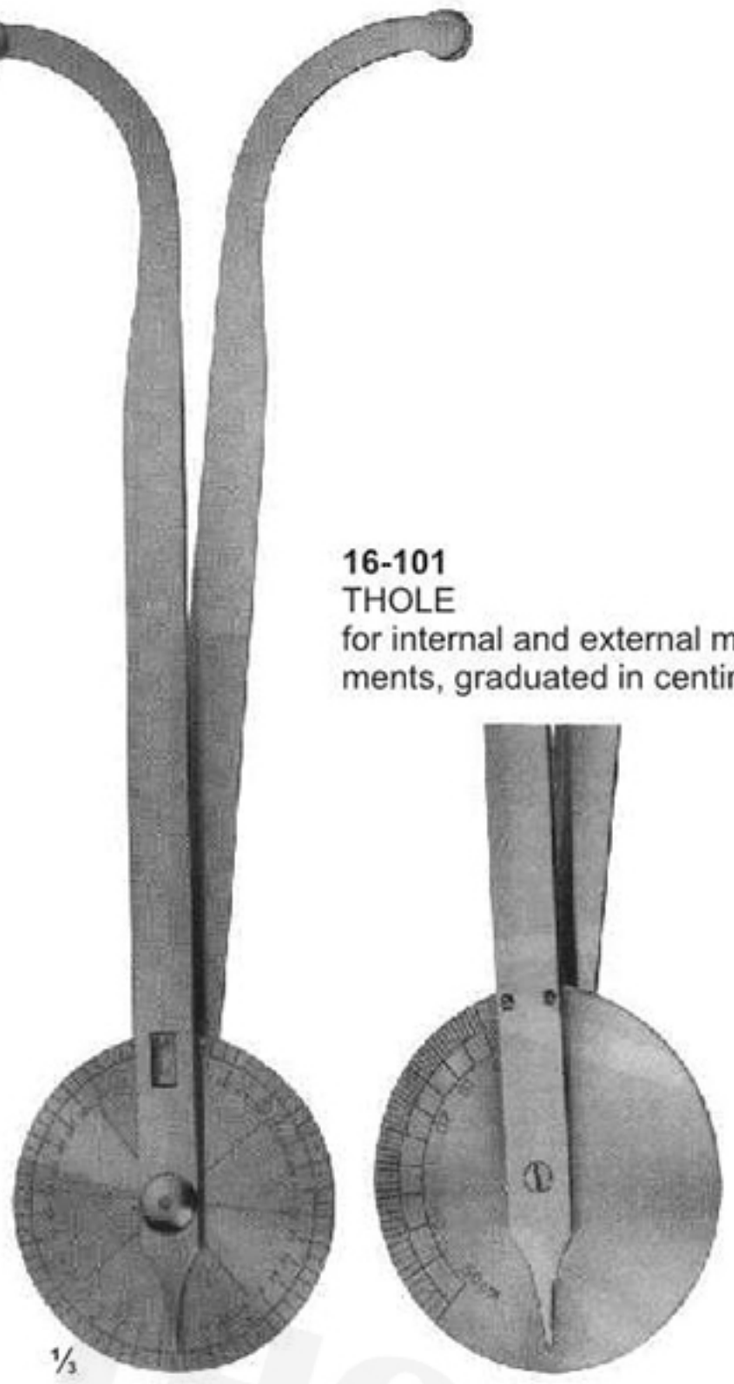
**15-145**
SCHULZE
Salpingograph, for utero-salpingography
in wooden case, consisting of:
Manometer, Connection, Uterine canulla
with tap, Cone S.M.L,
Record Syringe 10 cc, Luer lock mount.



**15-146**
**SCHULZE**
**Salpingograph, equipment**
**without manometer.**



# Obstetrics-Pelvimeters

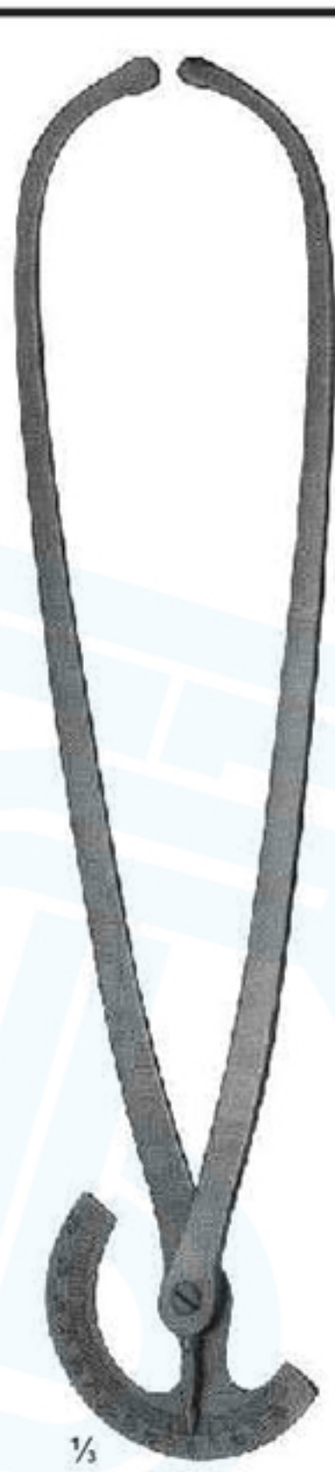



**16-101**
THOLE
for internal and external measurements, graduated in centimeters

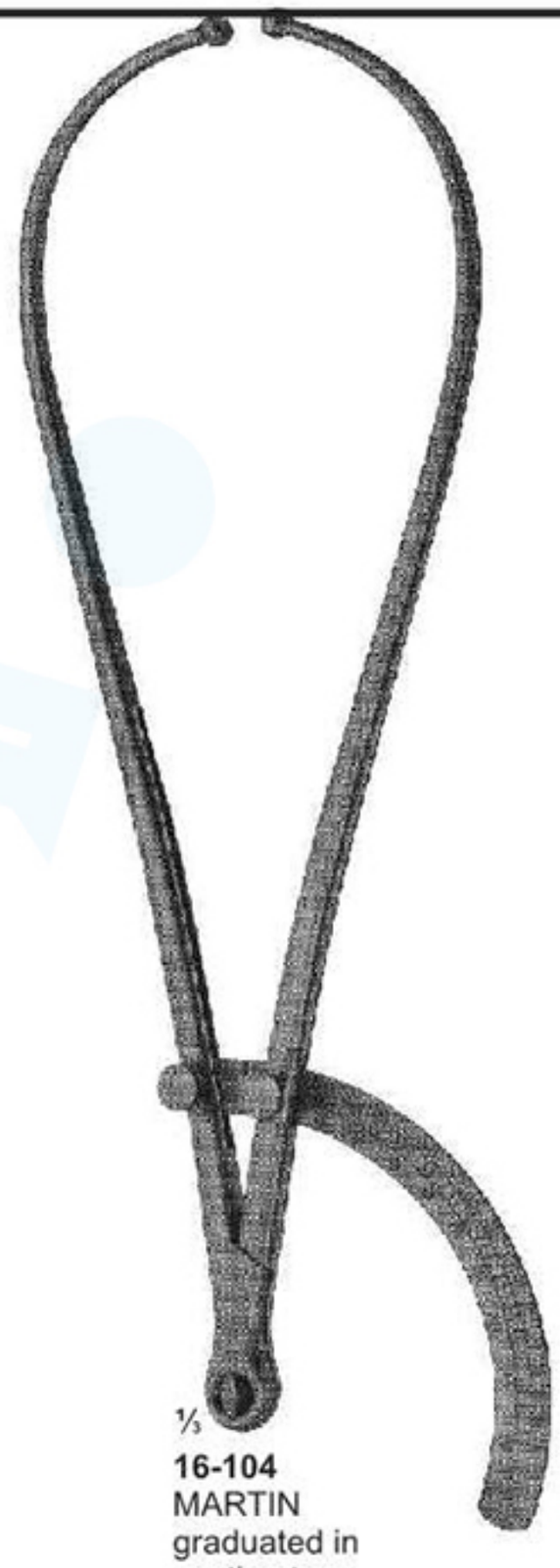





**16-102**
DE LEE
graduated in centimeters and inches




**16-103**
COLLIN
graduated in centimeters




**16-104**
MARTIN
graduated in centimeters






**16-105**
COLLIN
graduated in centimeters

for internal measurements between symphysis and promontory

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.




**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



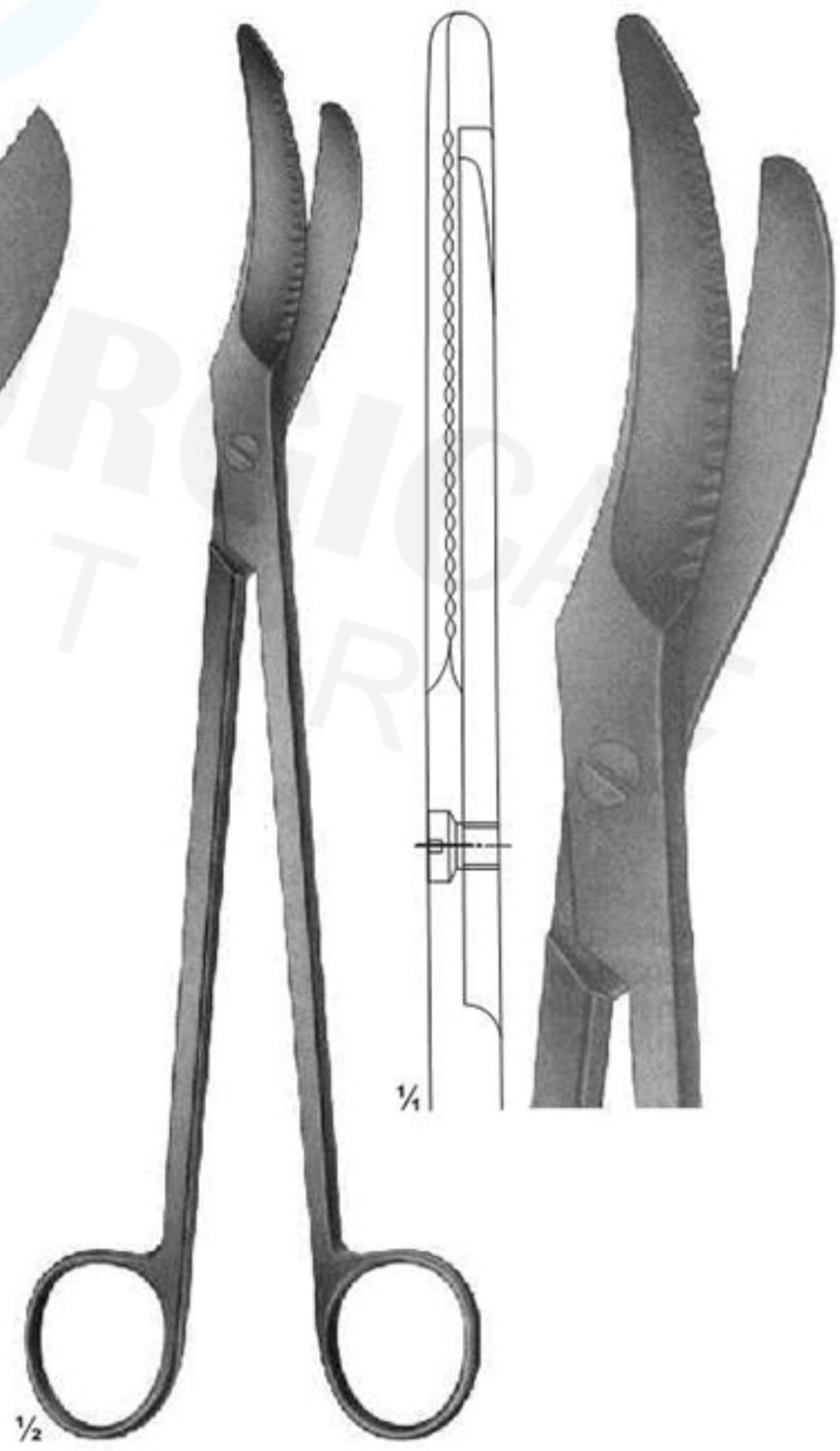

**16-110**
Umbilical cord
scissors
105 mm




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

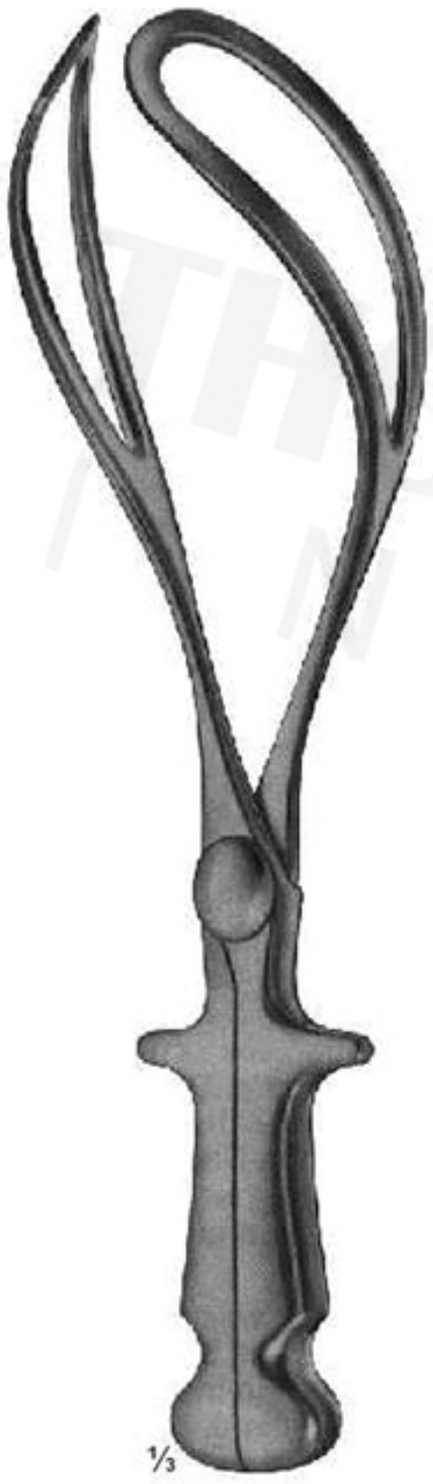
**16-111**
145 mm

**16-112**
200 mm

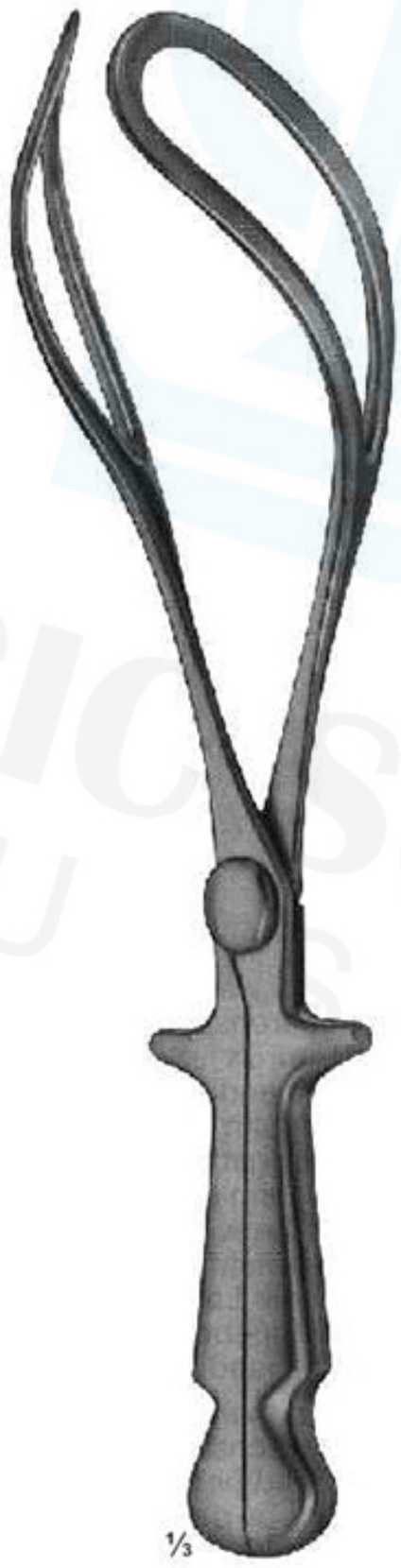



**16-113**
Episiotomy Scissors
240 mm

# Obstetrics Forceps




**16-114**
355 mm




**16-115**
400 mm




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

THORACIC SURGICAL INSTRUMENTS

# Obstetrics Forceps



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



**16-118**
SIMPSON
235mm



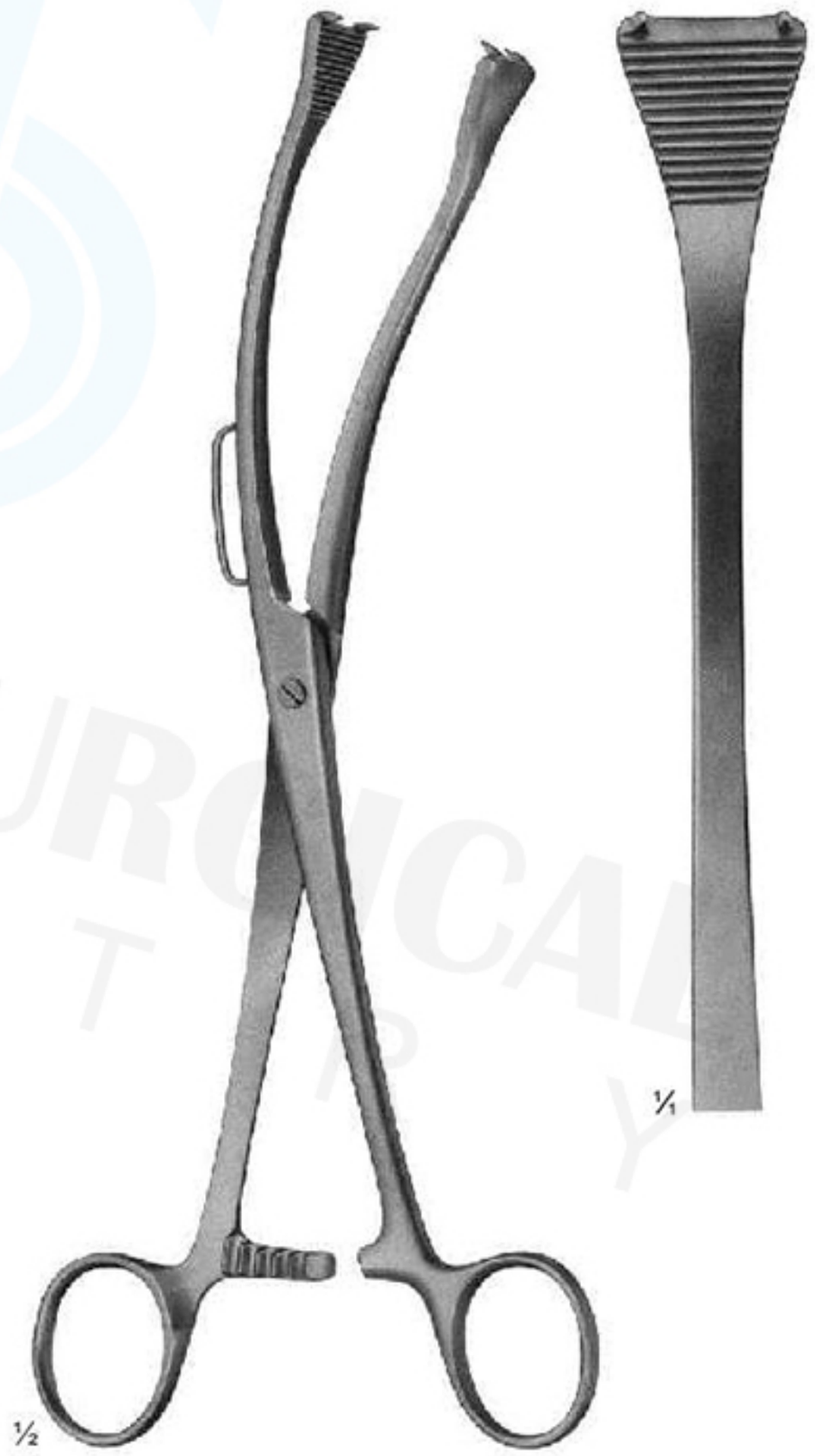
**16-119**
WRIGLEY
250 mm




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

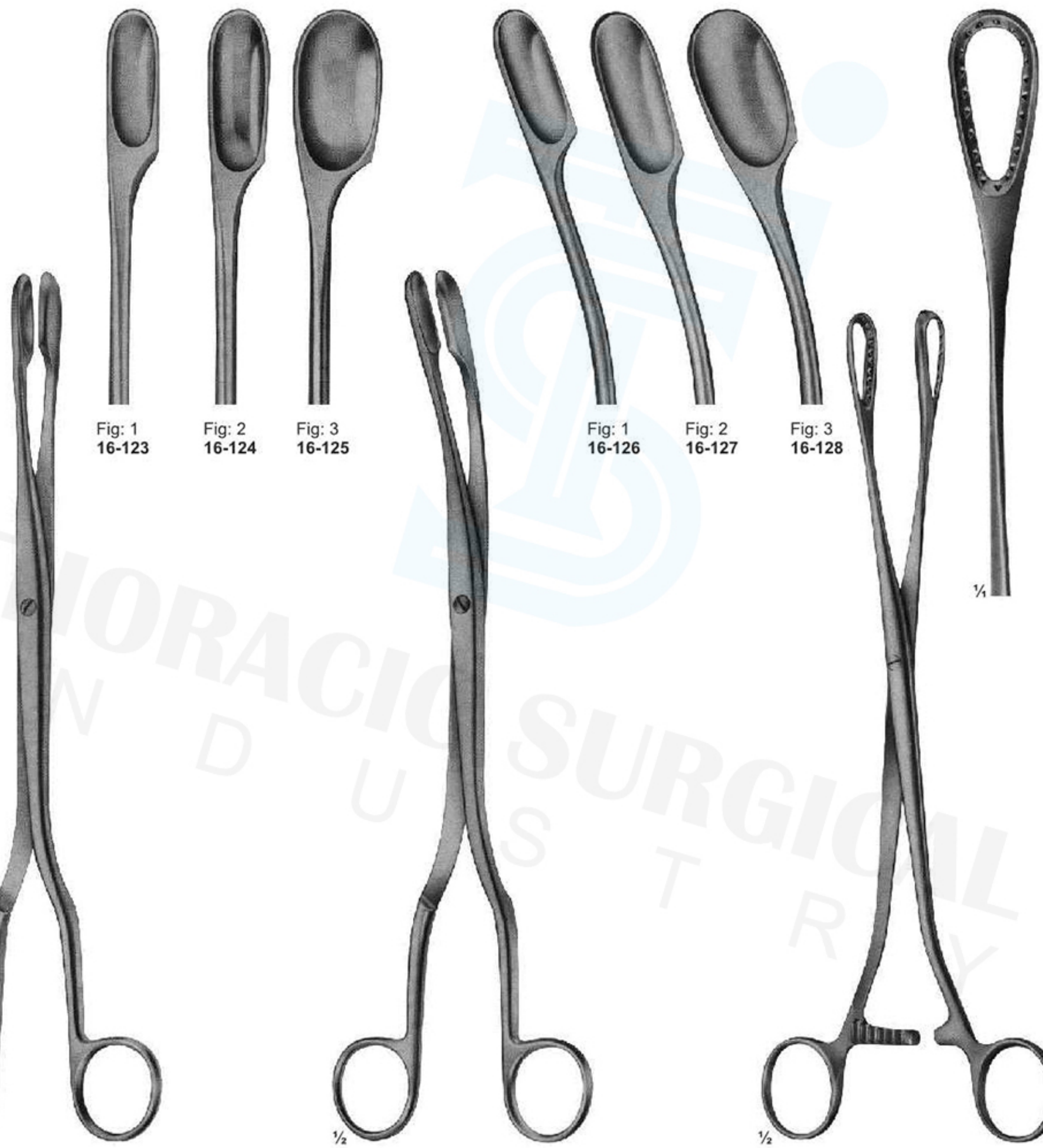



**16-121**
WILLETT
Scalpel Flap forceps
185 mm




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

# Obstetrics-Placenta and Ovum Forceps




**16-123 - 125**
WINTER
290 mm

**16-126 - 128**
WINTER
290 mm

**16-129**
SAENGER
275 mm

THORACIC SURGICAL INDUSTRY

# Obstetrics-Placenta and Ovum Forceps




**16-130**
SAENGER
285 mm



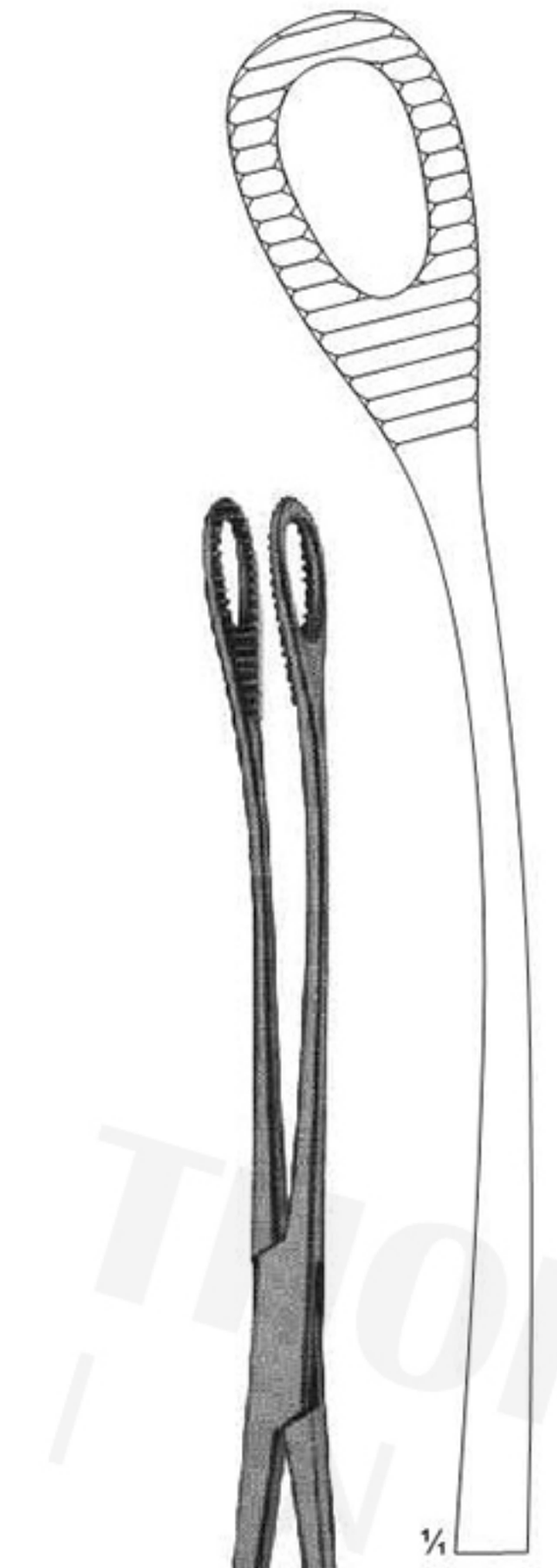

**16-131**
SAENGER
285 mm



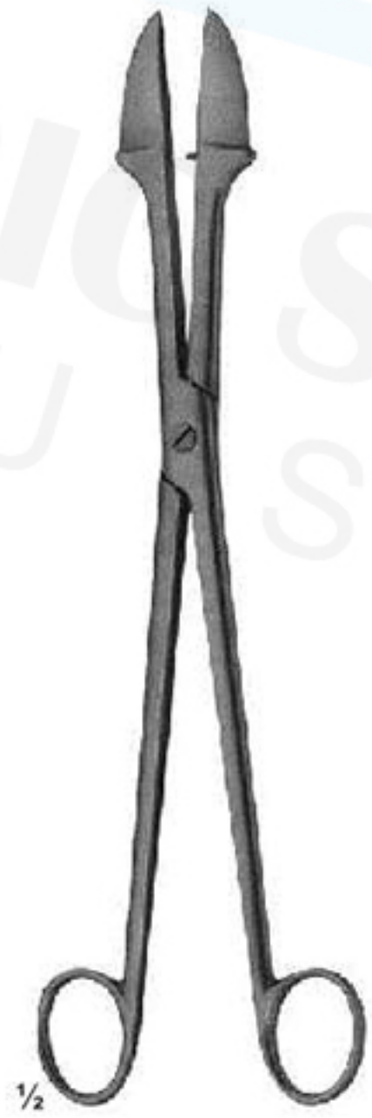

**16-132 - 133**
LEWKOWIZ
245 mm

THORACIC SURGICAL INDUSTRY

# Obstetrics-Placenta, Ovum and Cranioclast, Basiotribe Forceps




**16-134**
KELLY
320mm




**16-135**
SMELLIE
Perforator
270mm



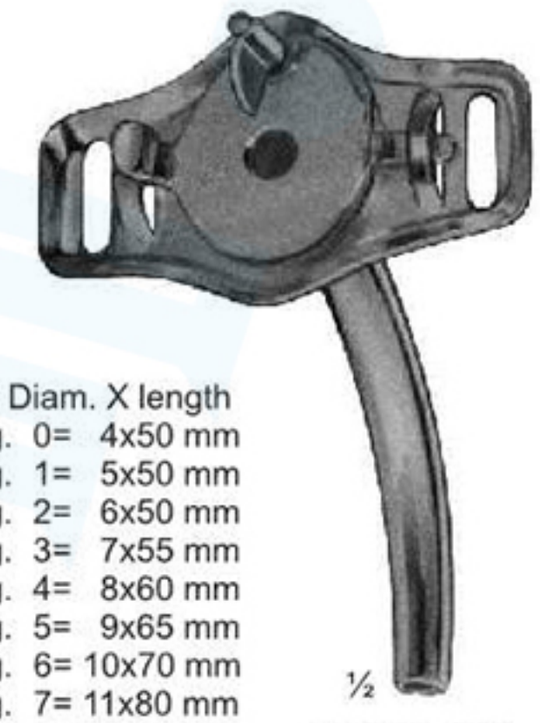

**16-136**
BRAUN
Cranioclast
420mm

# Tracheal Tubes with inner tubes



½

**16-137**
UECKERMANN-DENKER
Crycothyreotomy 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

THORACIC SURGICAL INDUSTRY

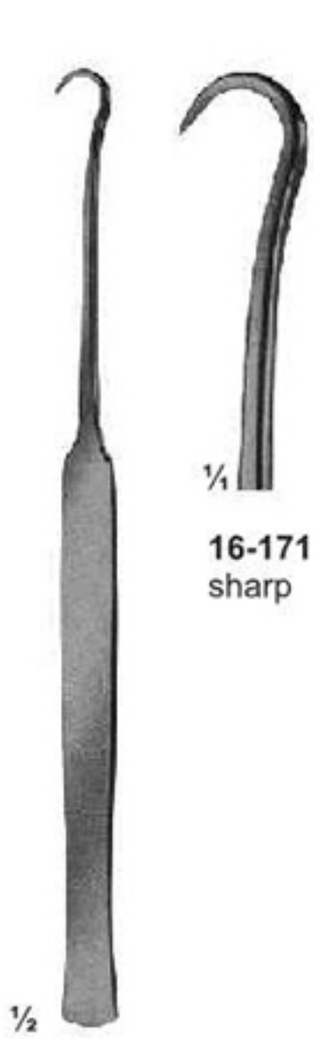
# Tound-and Tracheal Hooks and Dilators




**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



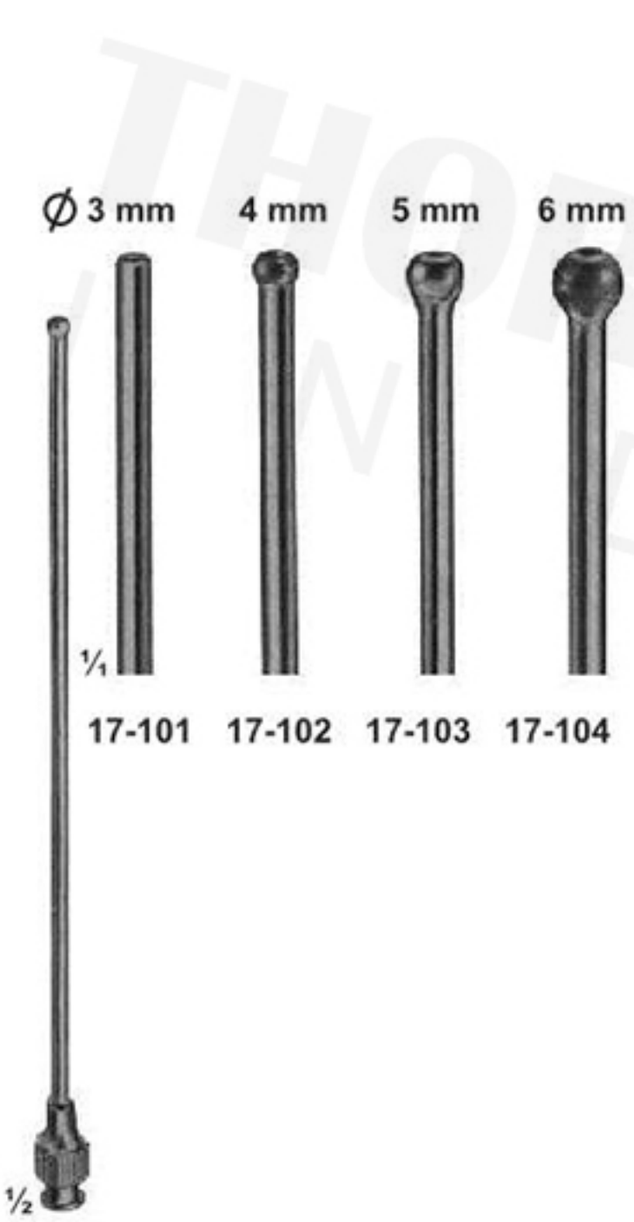

**16-178**
LABORDE
strong pattren
135 mm




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

THORACIC SURGICAL INDUSTRY

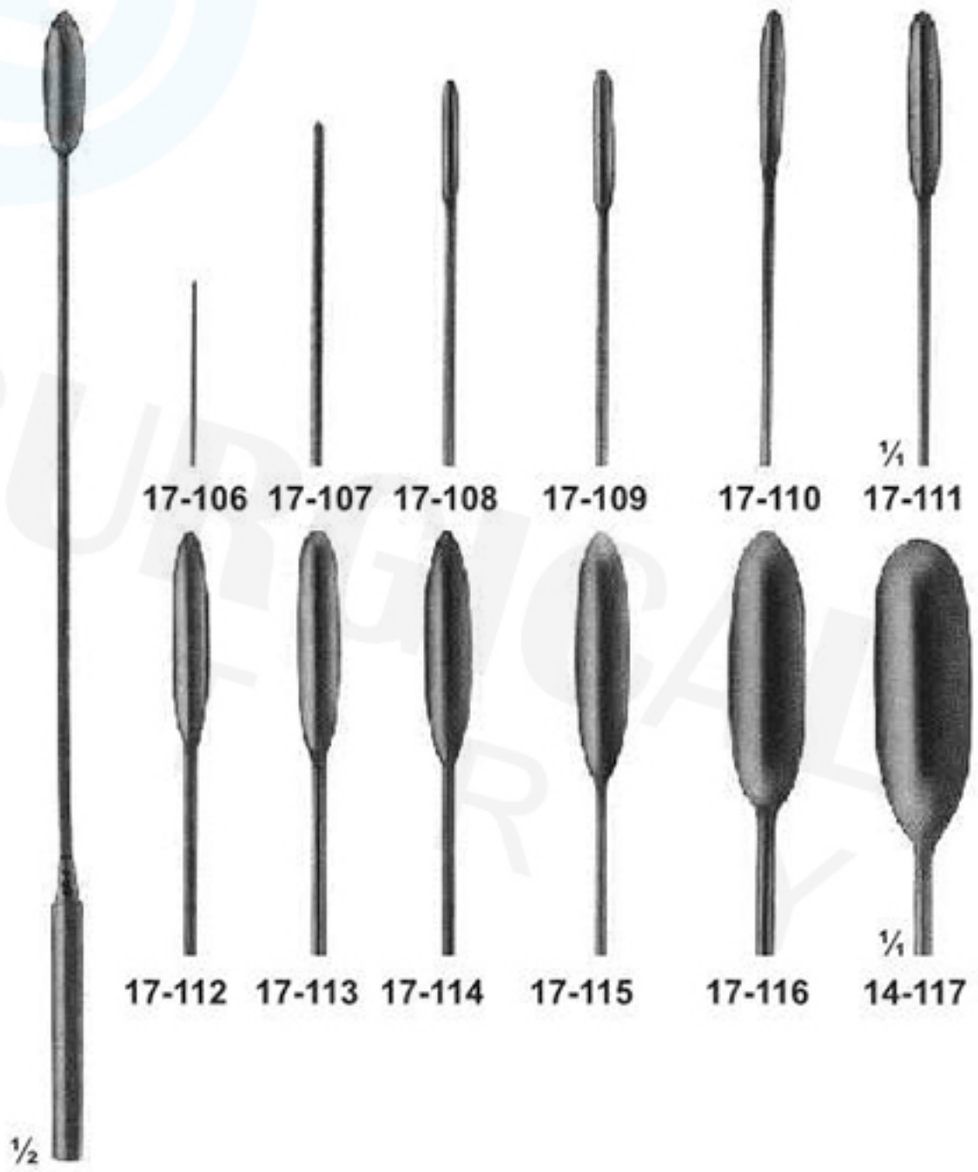
# Irrigating Cannulae, Embolus Grasping Forceps, Dilators




**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

| | | | |
|---|---|---|---|
| **17-106** | 0,5 mm ∅ | **17-112** | 3,5 mm ∅ |
| **17-107** | 1,0 mm ∅ | **17-113** | 4,0 mm ∅ |
| **17-108** | 1,5 mm ∅ | **17-114** | 4,5 mm ∅ |
| **17-109** | 2,0 mm ∅ | **17-115** | 5,0 mm ∅ |
| **17-110** | 2,5 mm ∅ | **17-116** | 7,0 mm ∅ |
| **17-111** | 3,0 mm ∅ | **17-117** | 9,0 mm ∅ |

# Irrigating Cannulae, Embolus Grasping Forceps, Dilators




**17-118**
180 mm
**17-119**
215 mm

**17-120**
230 mm

**17-121**
HALLE
180 mm

**17-122**
FREER
sharp/blunt
185 mm

**17-123 - 124**
SCHMID
140 mm
235 mm

**17-125**
DAVIS
245 mm

**17-126 - 127**
TONNIS
240 mm

# Irrigating Cannulae, Embolus Grasping Forceps, Dilators



**17-128** 2 mm
**17-129** 3 mm
**17-130** 5mm
**17-131** 6mm
**17-132** 7mm
**17-133** 8,5mm
**17-134** 10mm
**17-135** 12mm
**17-136** 14mm
½

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



½

**17-137**
Handle for
110 mm



½

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



½

**17-140 - 141**
Guide only

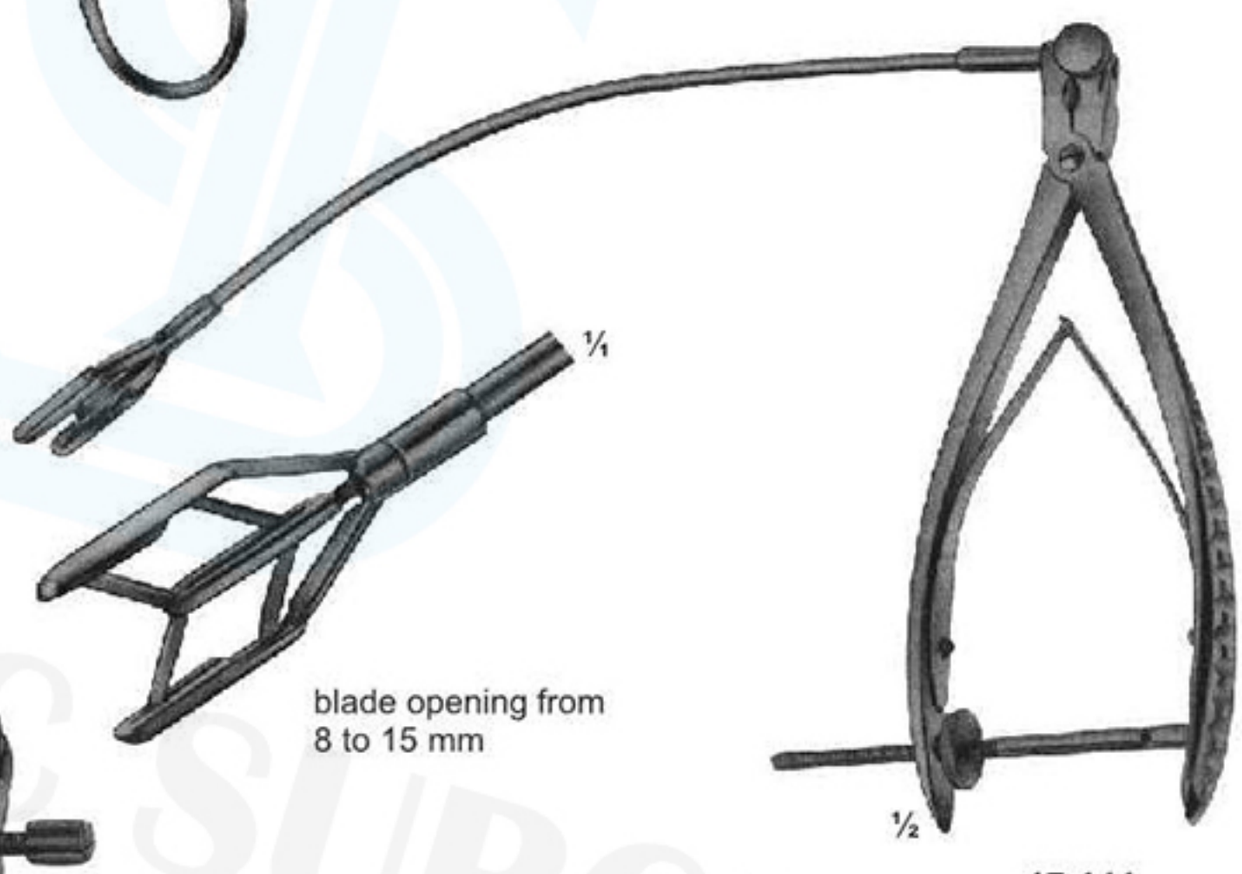
THORACIC SURGICAL INDUSTRY

# Biopotome and Aortic Dilators

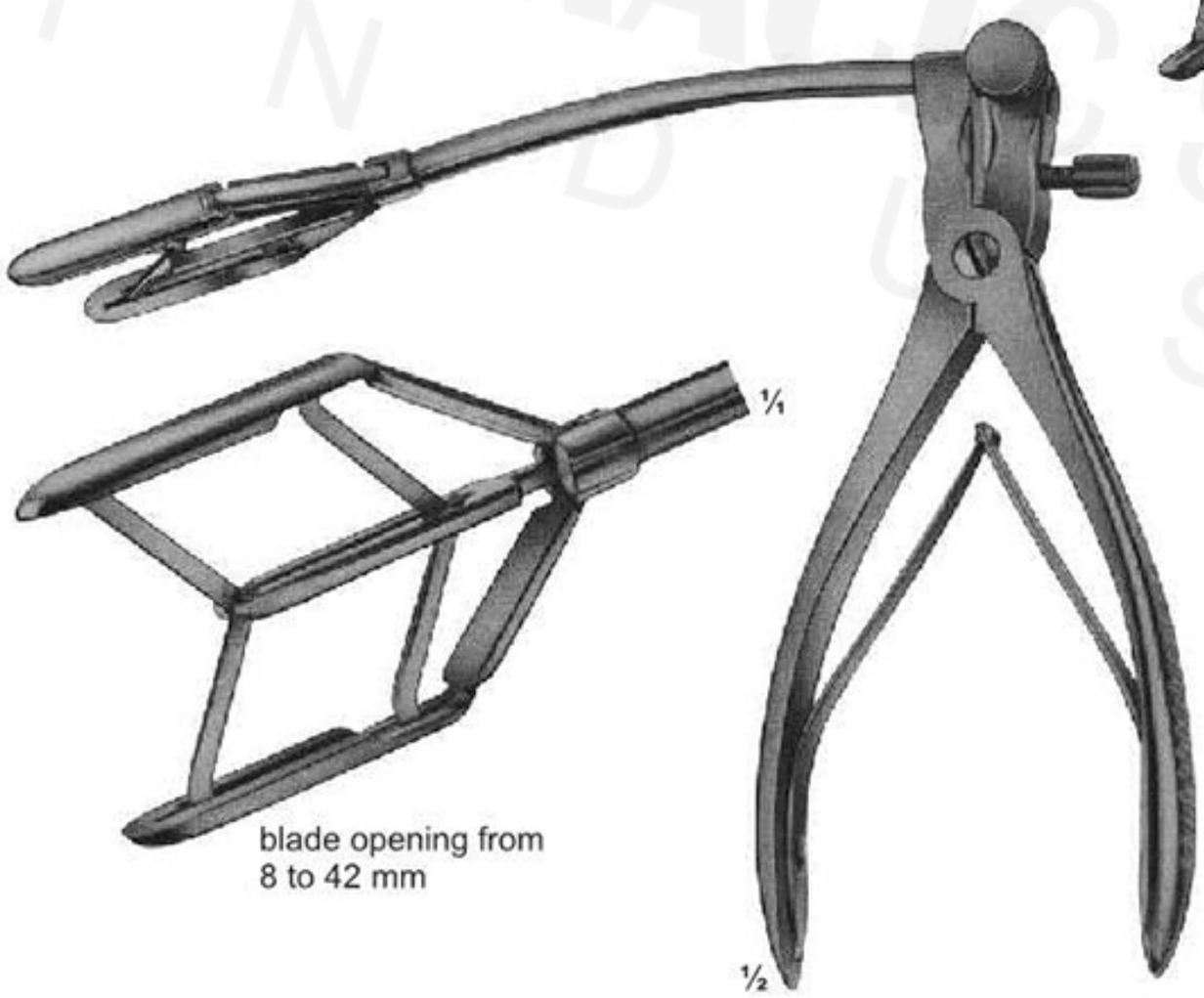



**17-142**
SCHULZ
Bioptome, mit flexiblem Schaft, 510 mm lang,
with round jaws 3 mm diam.

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




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



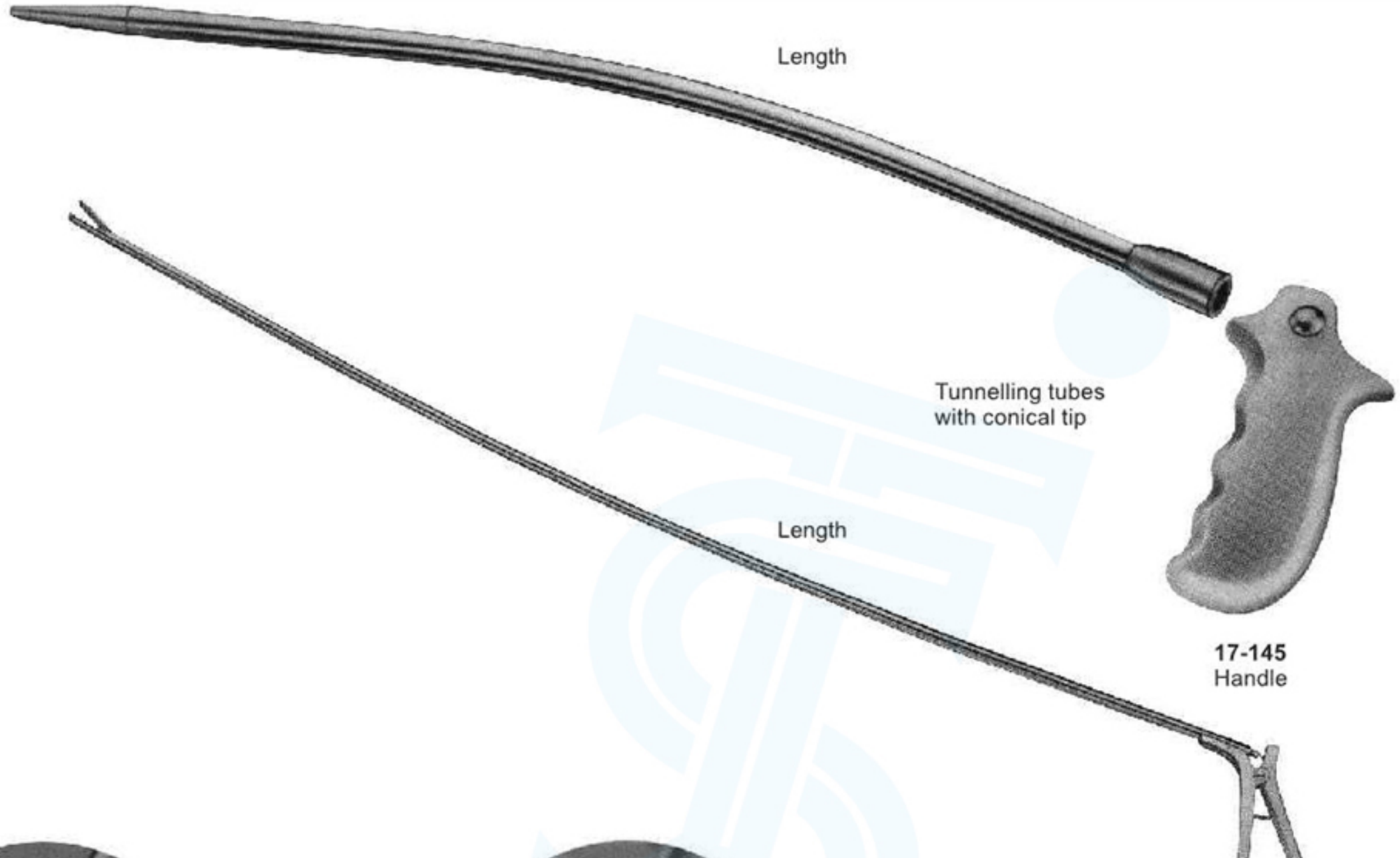

blade opening from
8 to 42 mm

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

blade opening from
8 to 15 mm

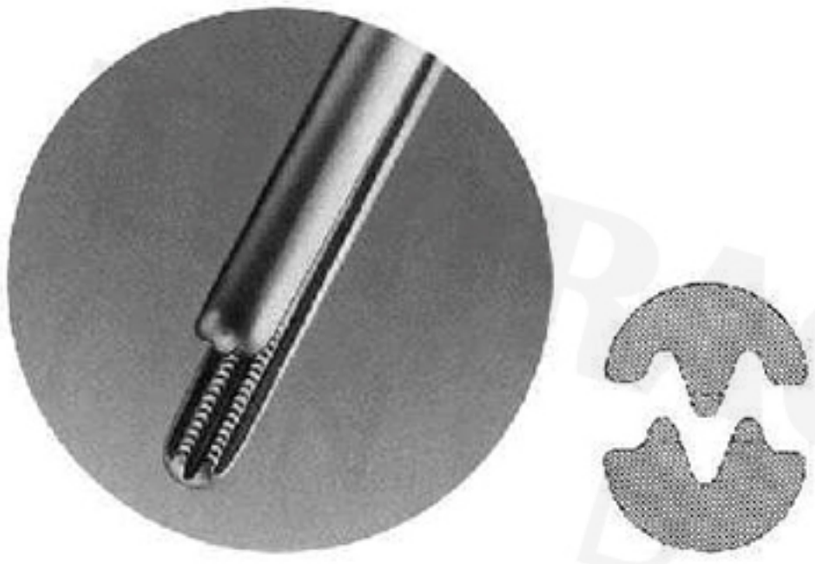
THORACIC SURGICAL INDUSTRY

# Biopotome and Aortic Dilators

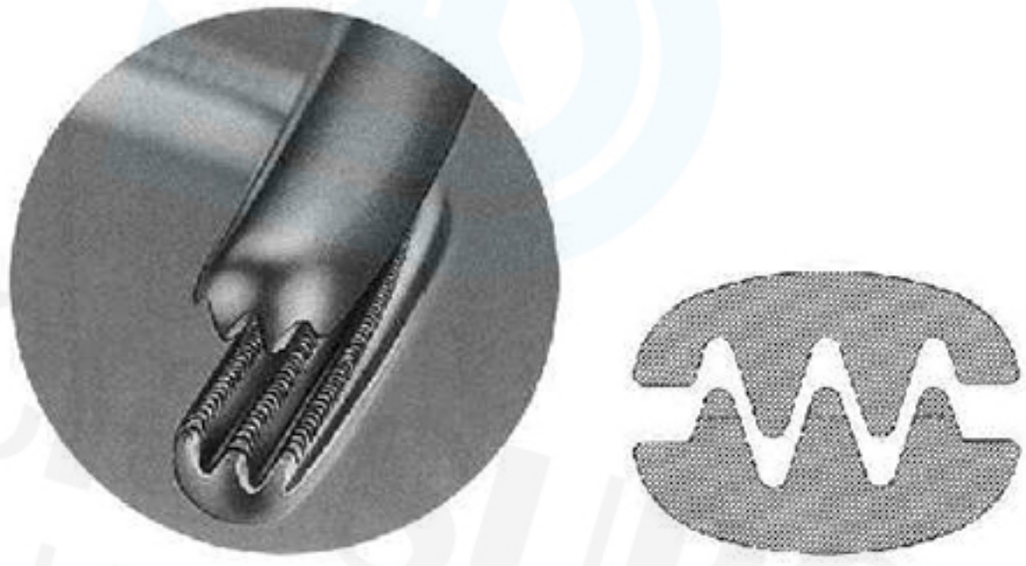



**17-145**
Handle

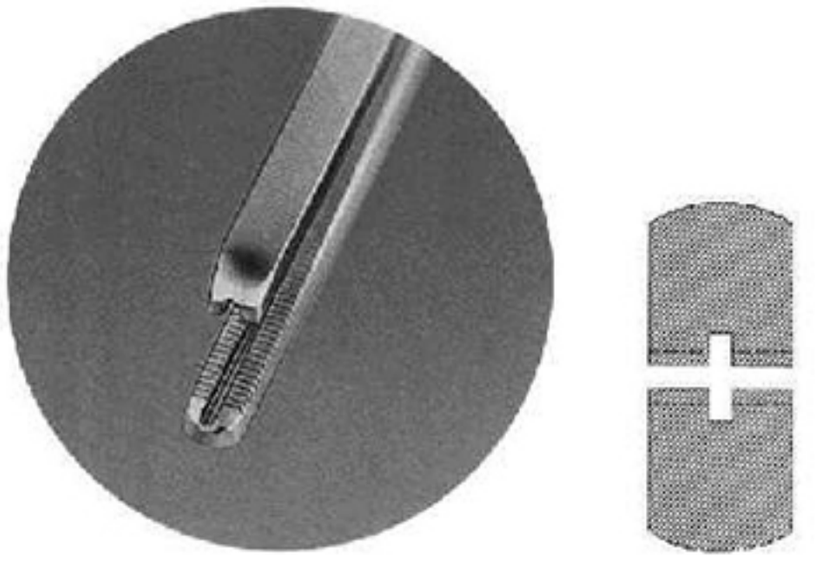
**17-146**
Forceps



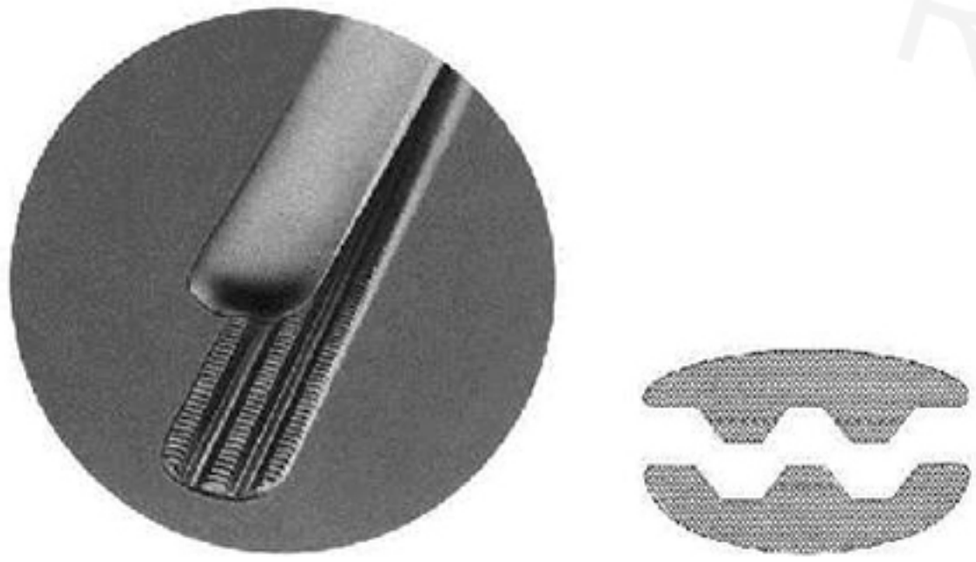
**DE BAKEY**
**17-147**
1 : 2 rows of teeth



**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

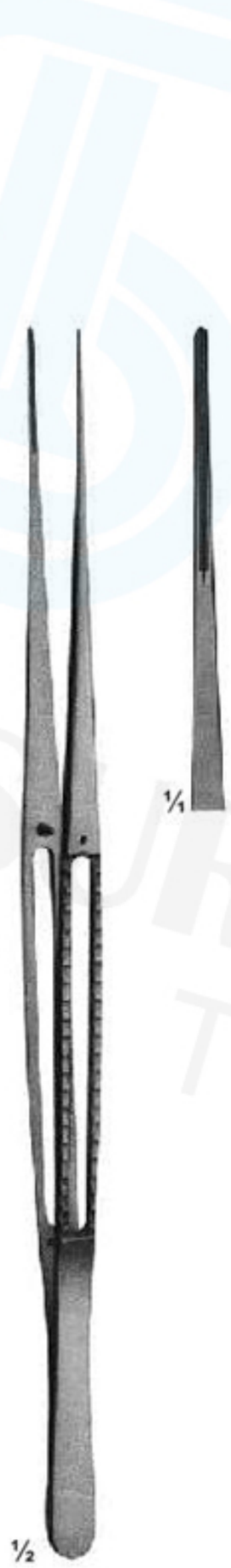
# Ultra-Light-Forceps




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




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



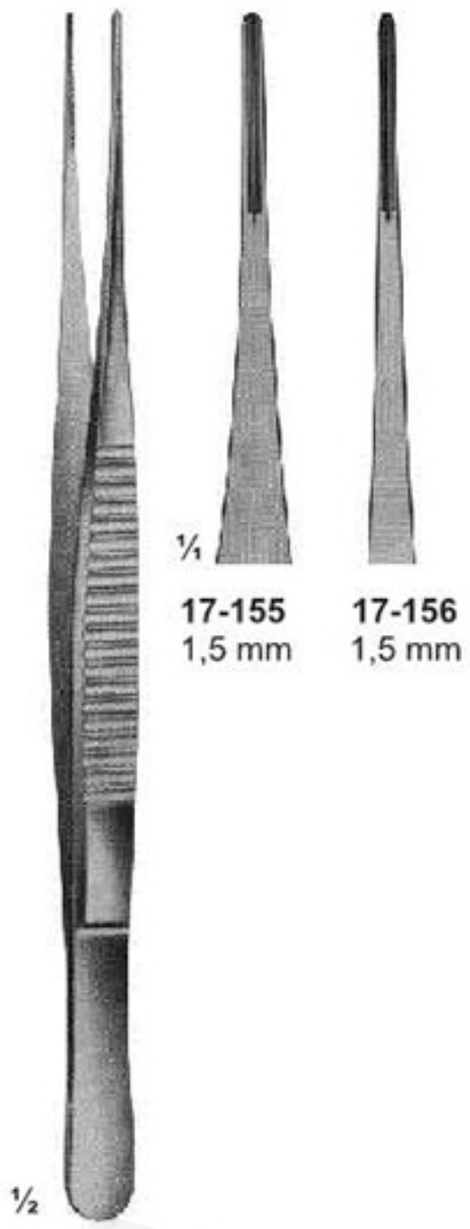

**17-153**
1,5 mm
240 mm




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

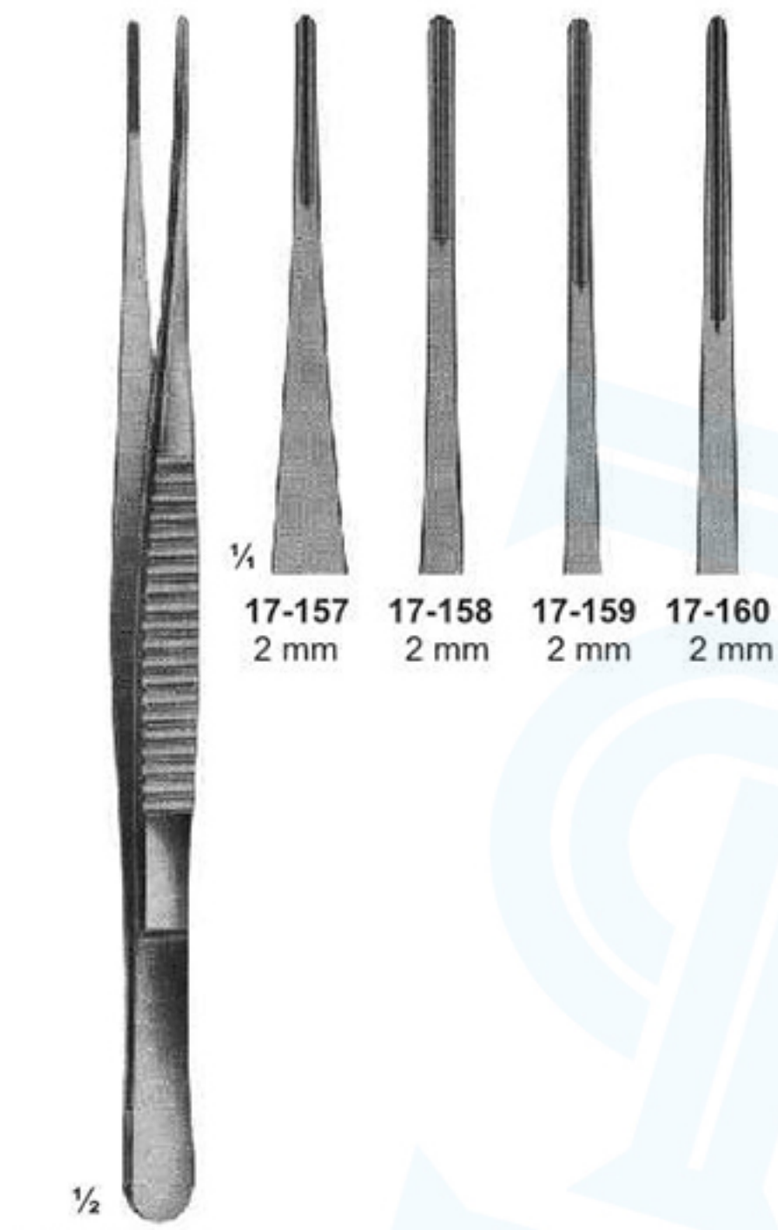
THORACIC SURGICAL INSTRUMENTS

# Ultra-Light-Forceps



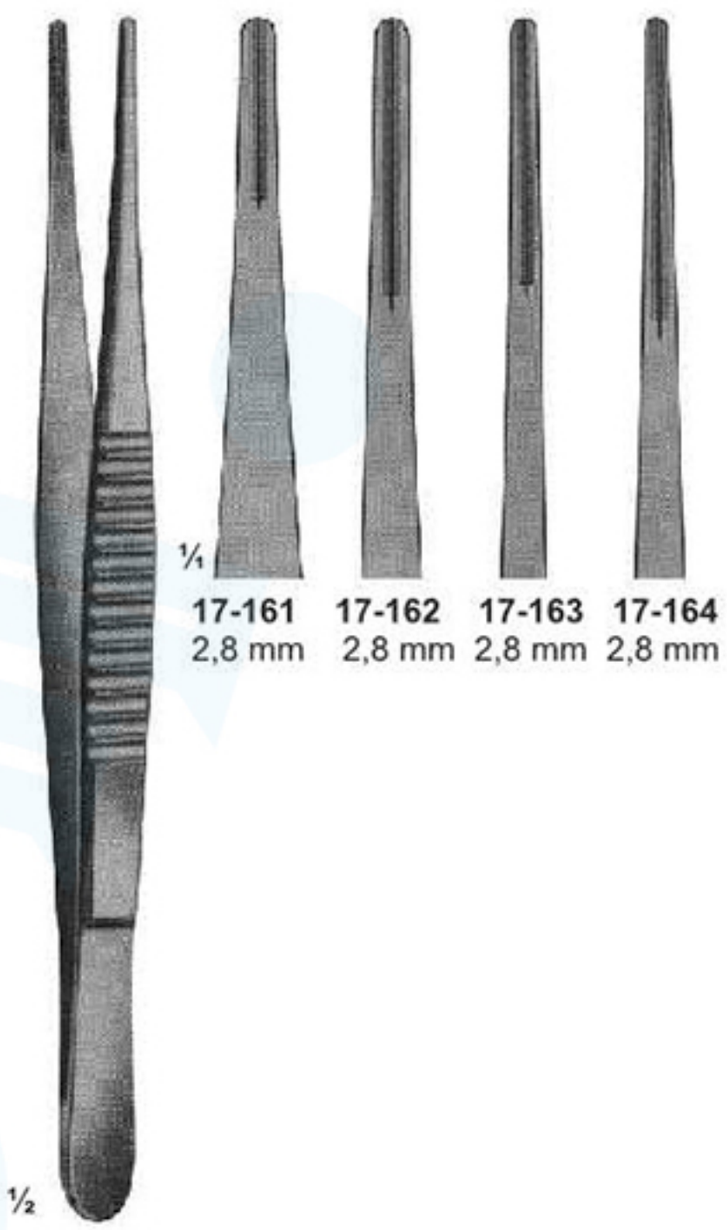

**17-155** 1,5 mm
**17-156** 1,5 mm

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



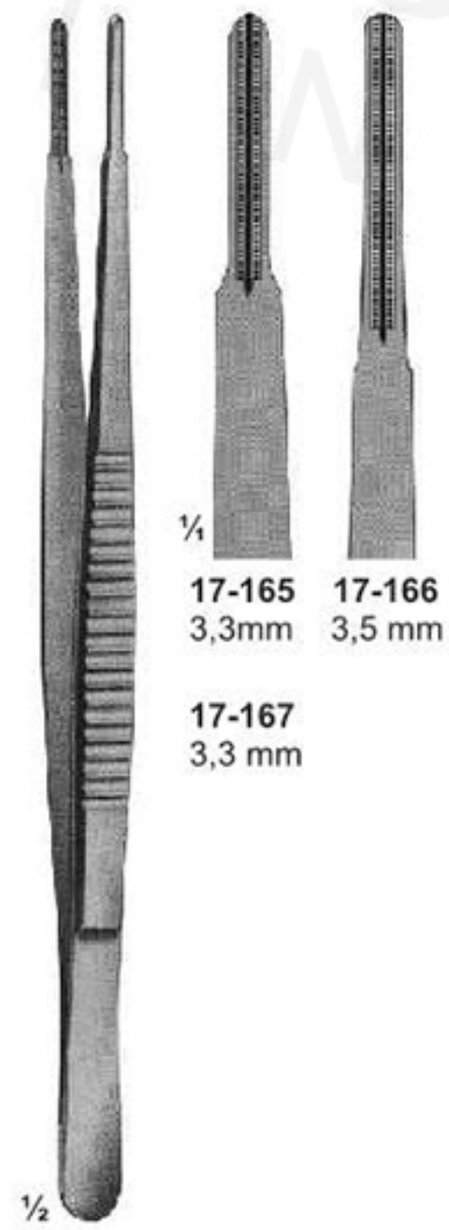

**17-157** 2 mm
**17-158** 2 mm
**17-159** 2 mm
**17-160** 2 mm

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



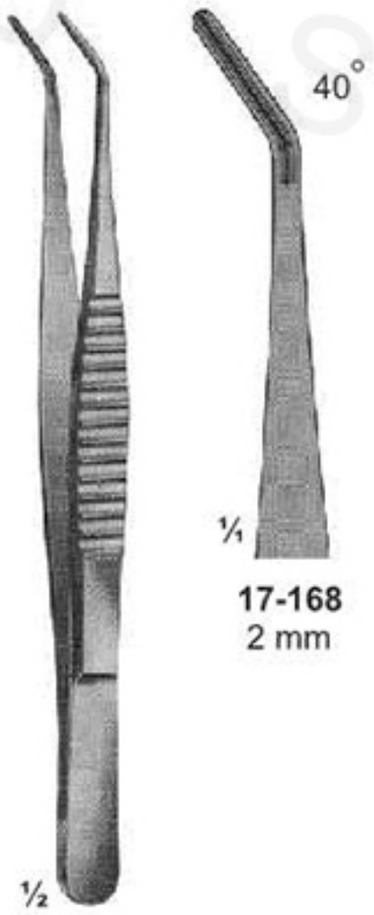

**17-161** 2,8 mm
**17-162** 2,8 mm
**17-163** 2,8 mm
**17-164** 2,8 mm

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



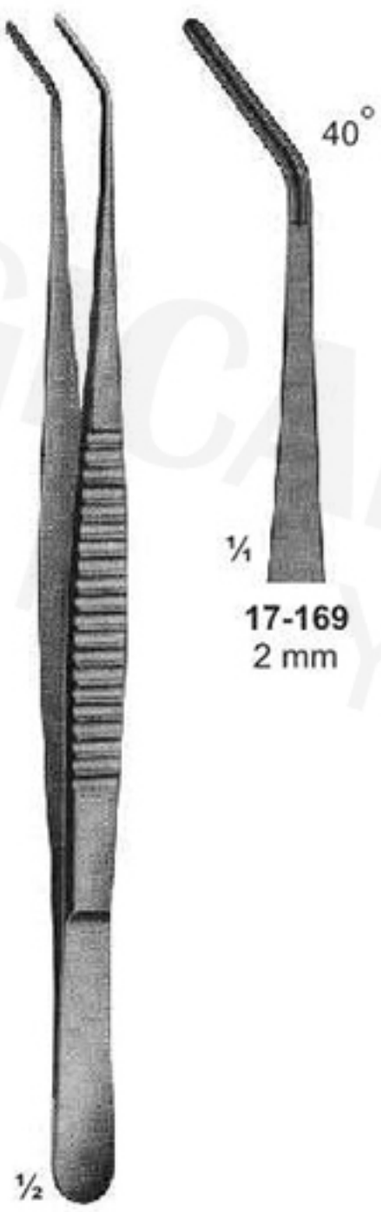

**17-165** 3,3mm
**17-166** 3,5 mm
**17-167** 3,3 mm

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




**17-168**
2 mm

**17-168**
DE BAKEY
150 mm

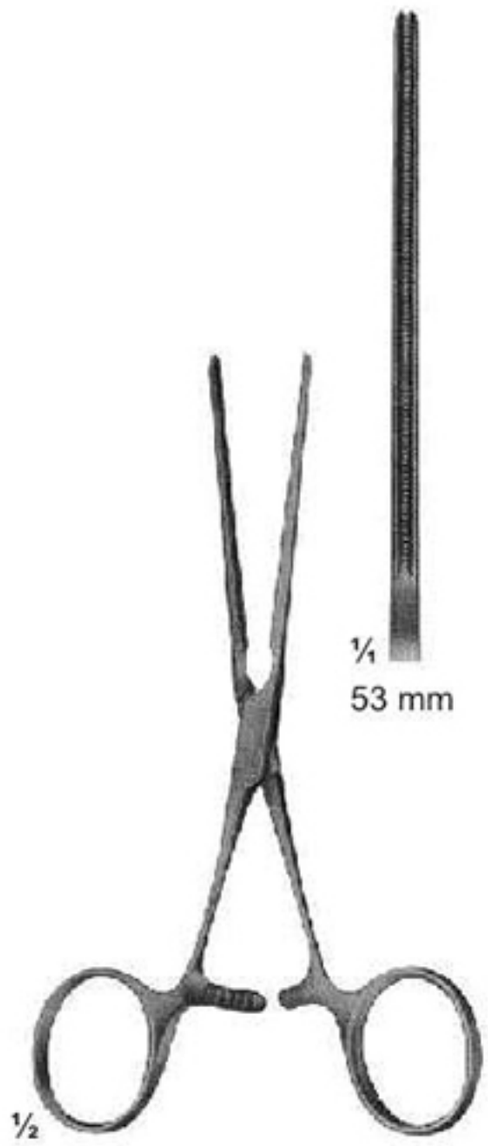



**17-169**
2 mm

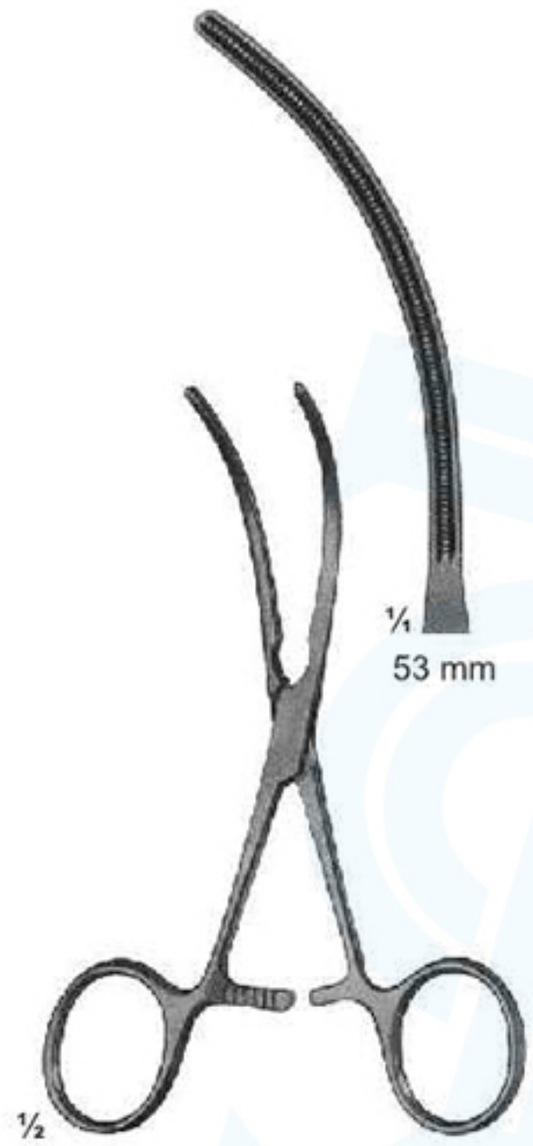
**17-169**
DE BAKEY
200 mm

THORACIC SURGICAL INSTRUMENTS

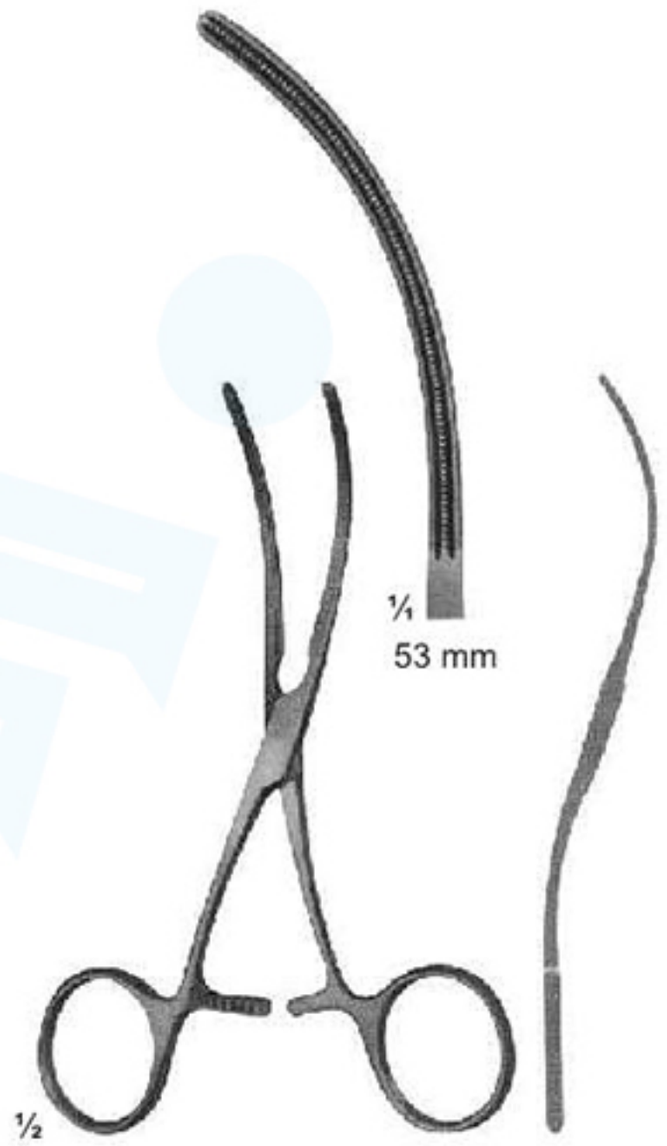
# Ring Handle Bulldog Clamps



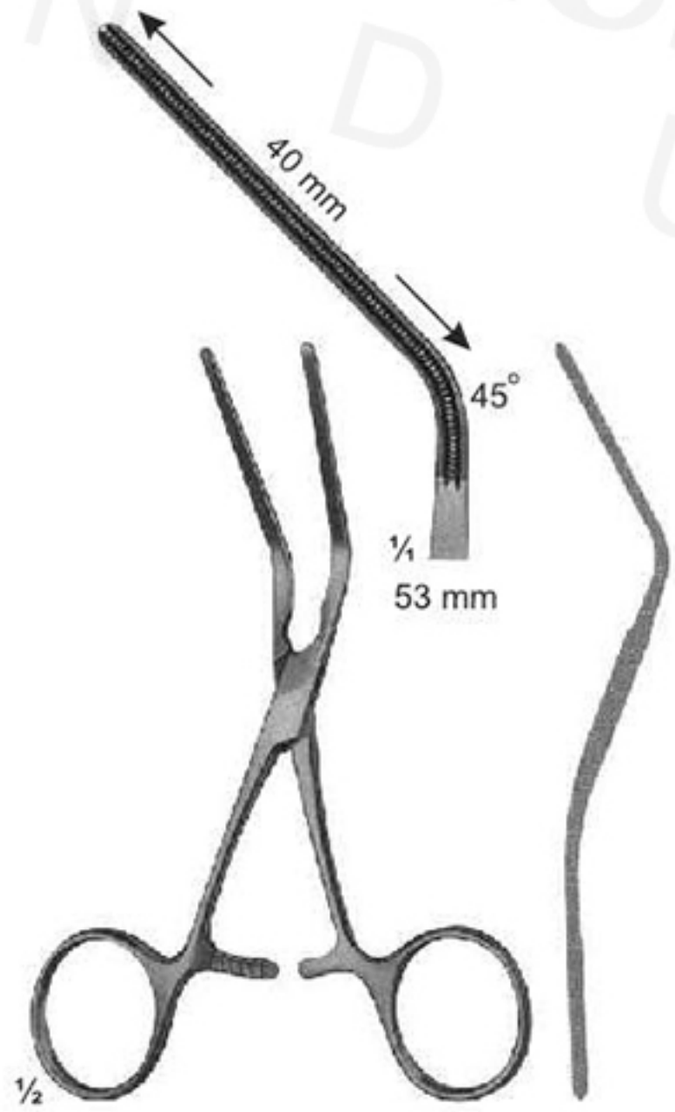

**17-170**
DE-BAKEY
gerade straight
130 mm



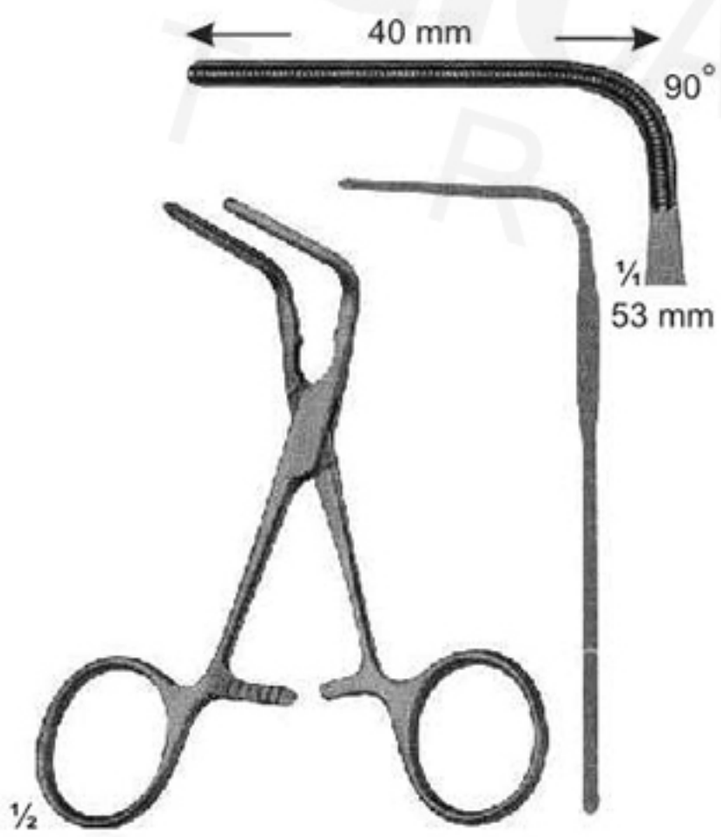

**17-171**
DE-BAKEY
Maul gebogen
curved jaws
125 mm




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




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

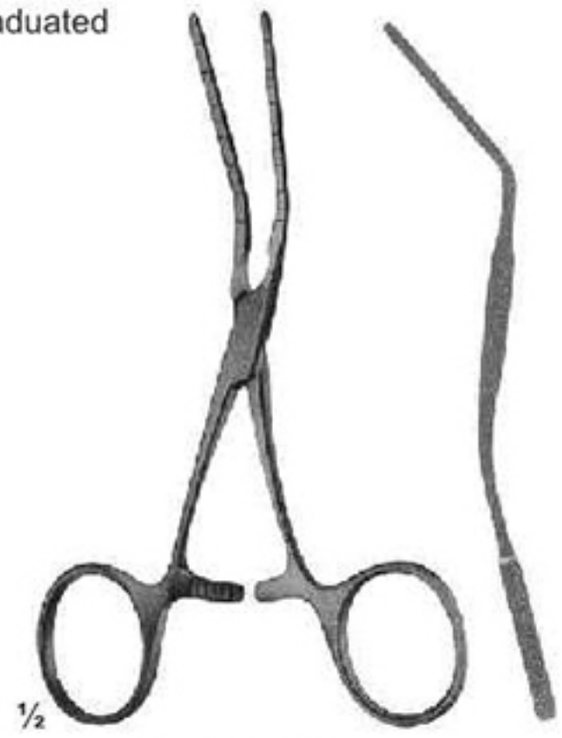



**17-174**
DE-BAKEY
90° winklig gebogen
angled 90°
105 mm

THORACIC SURGICAL INDUSTRIES

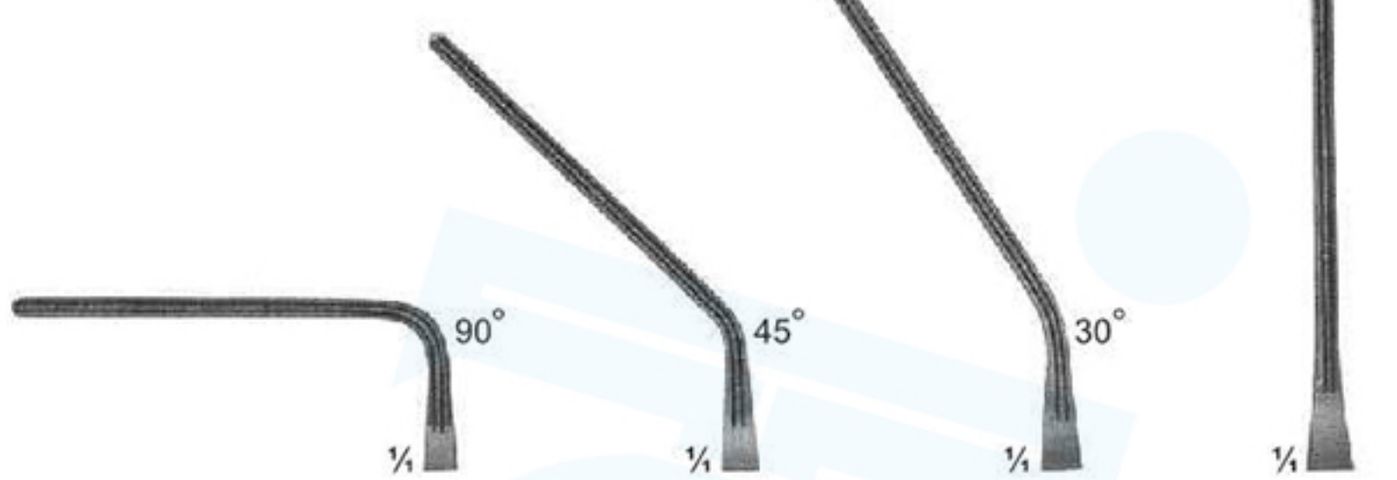
# Anastomosis-and Multi-Purpose-Clamps for Neonatales

graduated



½

**17-175 - 178**
CASTANESA




48 mm
**17-175**
105 mm

48 mm
**17-176**
120 mm

48 mm
**17-177**
120 mm

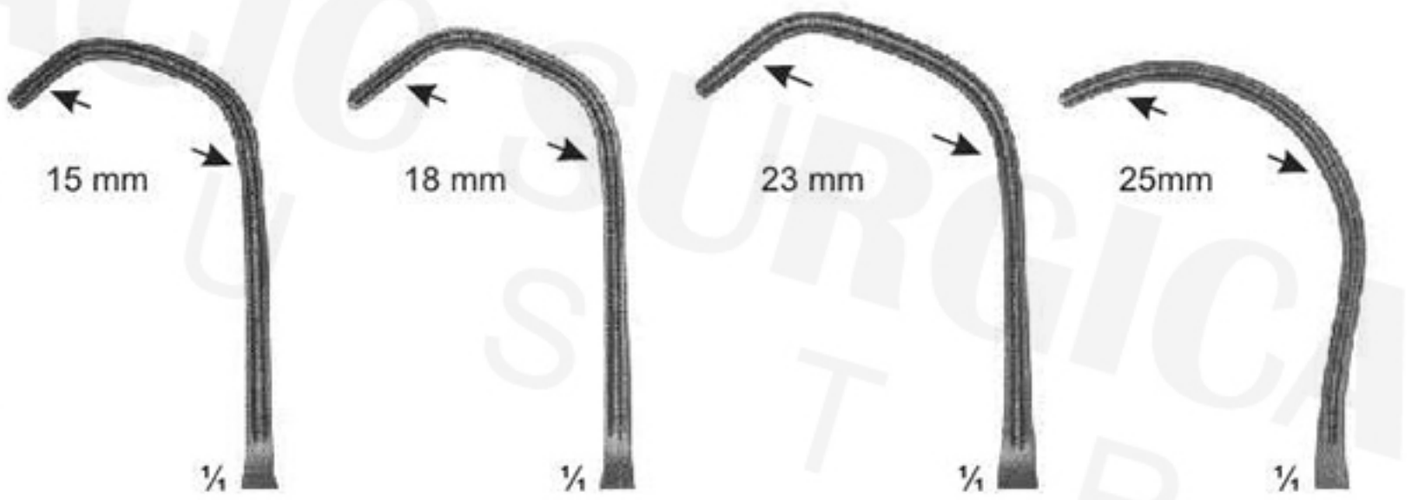
48 mm
**17-178**
125 mm

graduated



½

**17-179 - 182**
CASTANESA



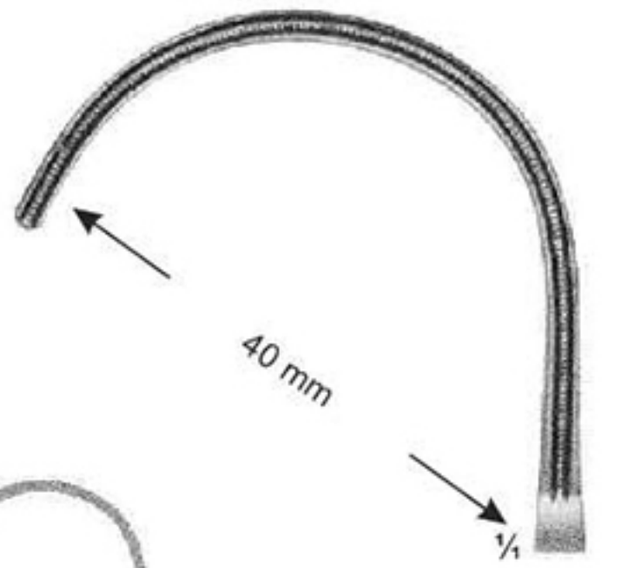

48 mm
**17-179**
155 mm

52 mm
**17-180**
150 mm

56 mm
**17-181**
150 mm

50 mm
**17-182**
155 mm

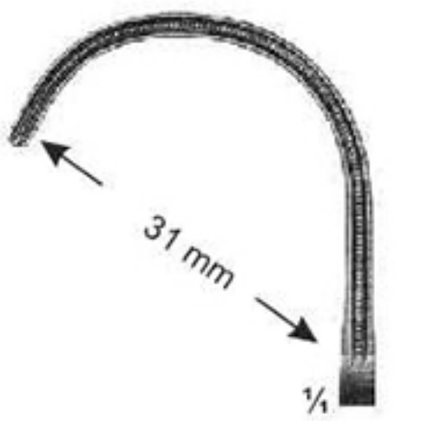
# Anastomosis-and Multi-Purpose-Clamps-Pediatric types



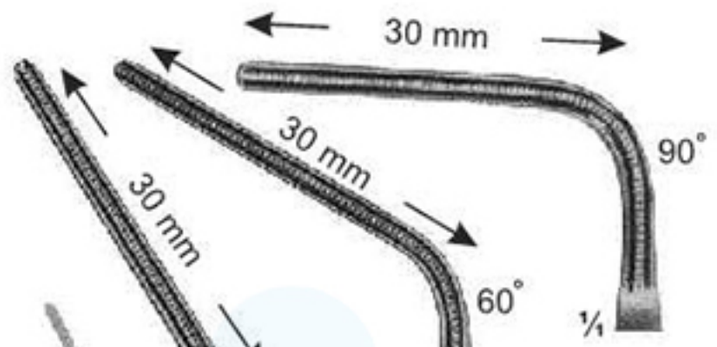

**17-183**
150 mm




**17-183 - 184**
DE BAKEY




**17-184**
160 mm



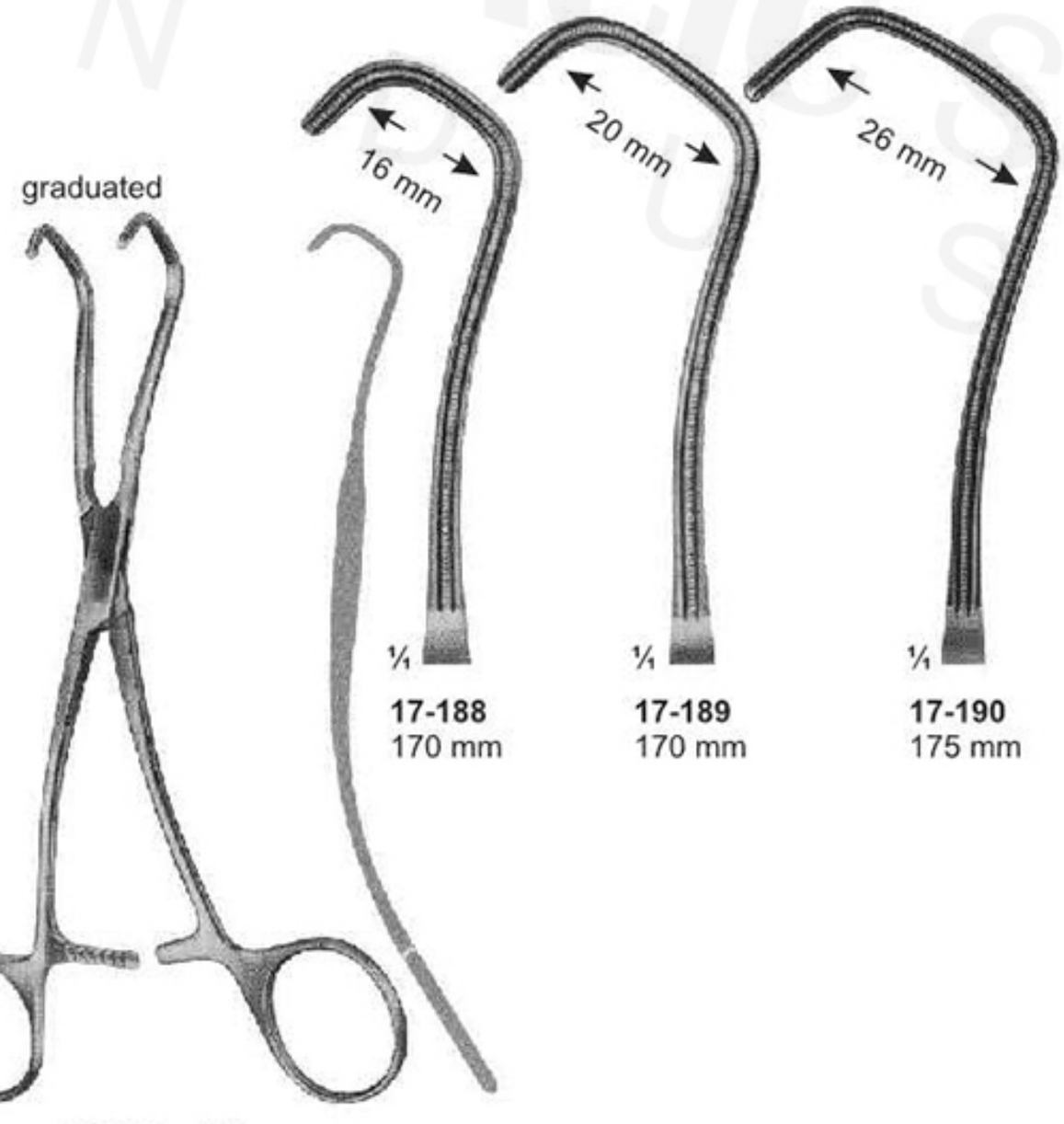

**17-187**
165 mm

**17-186**
160 mm

**17-185**
150 mm




**17-185 - 187**
COOLEY

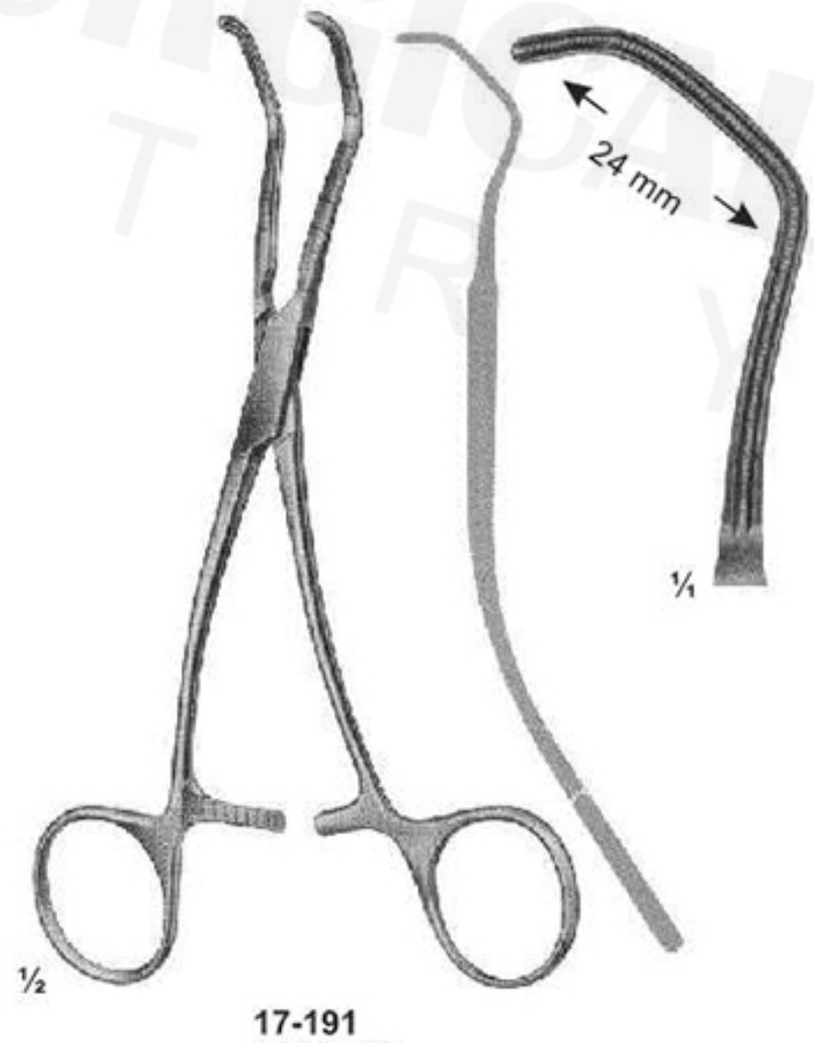



**17-188**
170 mm

**17-189**
170 mm

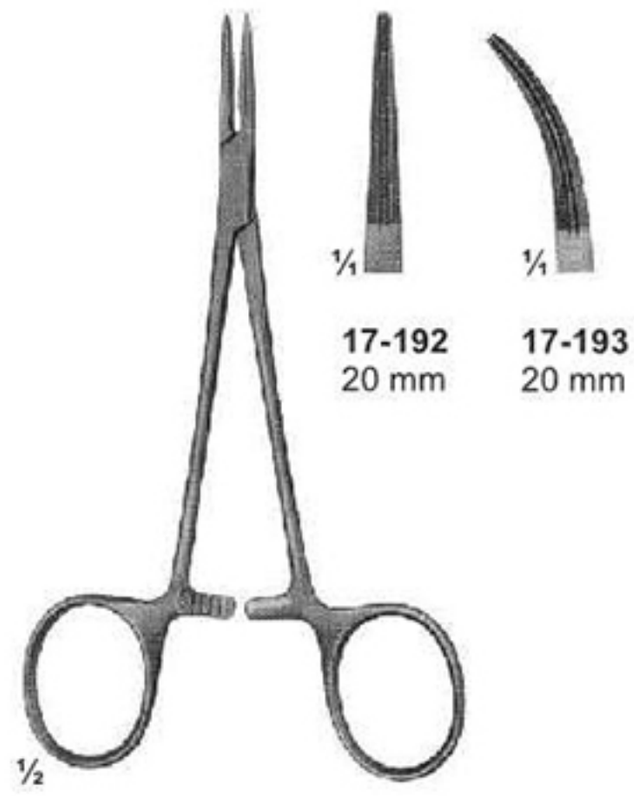
**17-190**
175 mm

**17-188 - 190**
DERRA




**17-191**
COOLEY

# Non-traumatic Haemostatic Forceps




**17-192**
20 mm

**17-193**
20 mm

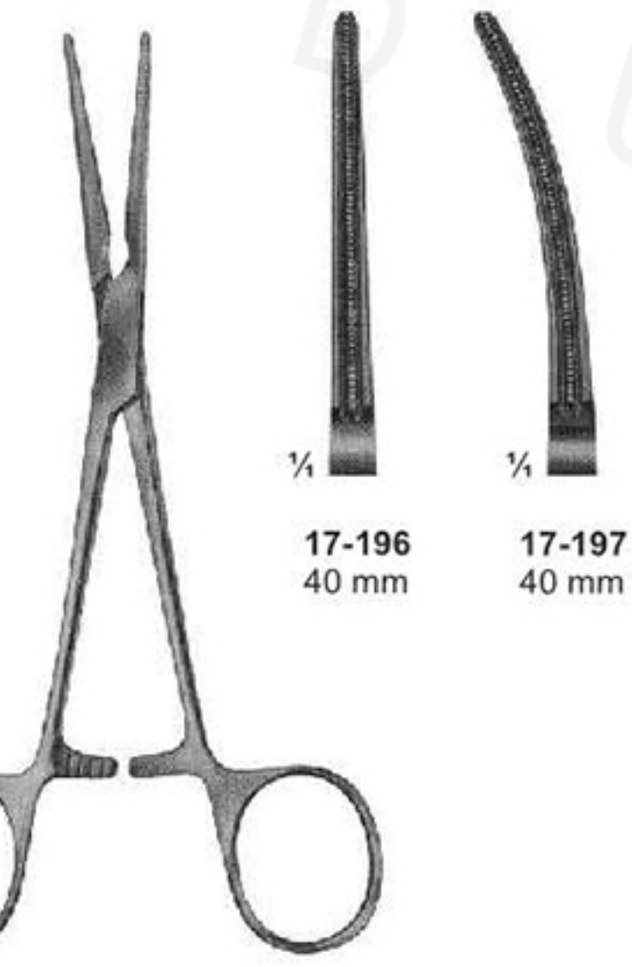
**17-192 - 193**
125 mm




**17-194**
27 mm

**17-195**
27 mm

**17-194 - 195**
165 mm




**17-196**
40 mm

**17-197**
40 mm

**17-196 - 197**
DE BAKEY-BAINRIDGE
155 mm



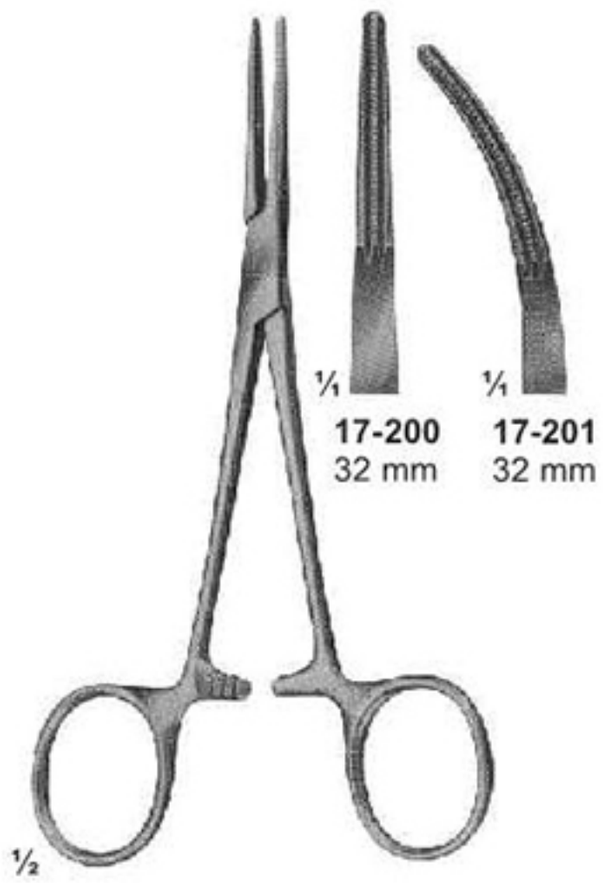

**17-198**
65 mm

**17-199**
65 mm

**17-198 - 199**
DE BAKEY-BAINRIDGE
180 mm

THORACIC SURGICAL INDUSTRY

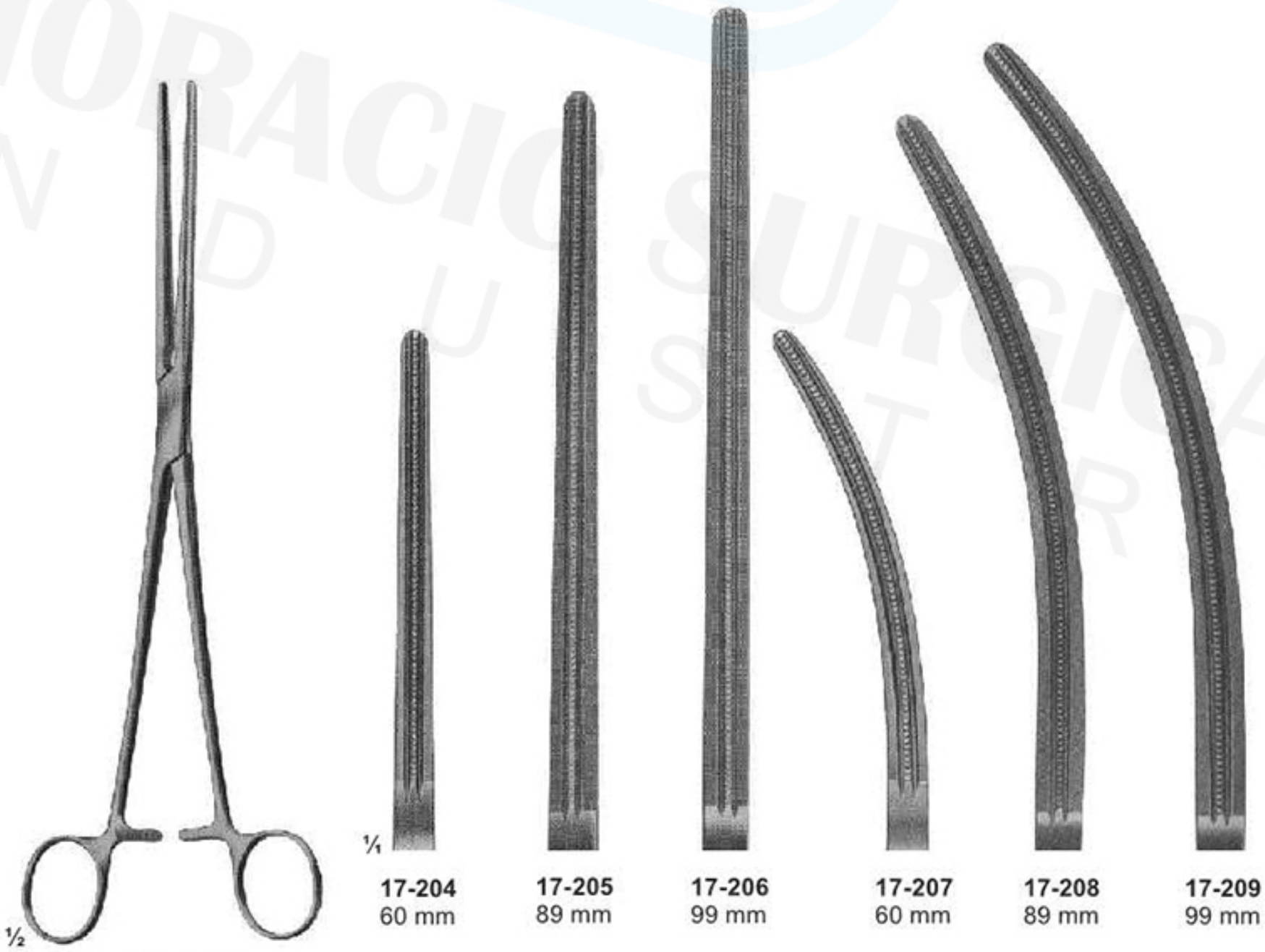
# Non-traumatic Haemostatic Forceps




**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 |

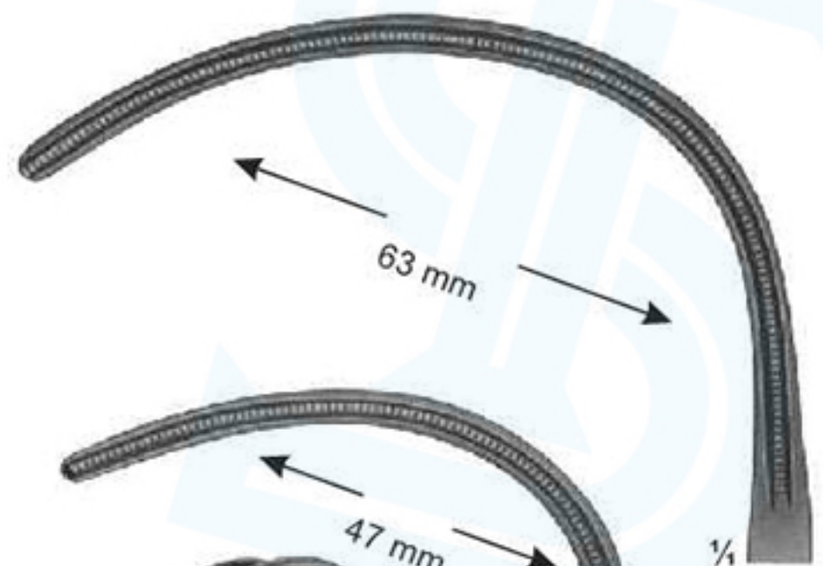
THORACIC SURGICAL INDUSTRY

# Anastomosis Clamps






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






**17-212**
95 mm




**17-211**
70 mm



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

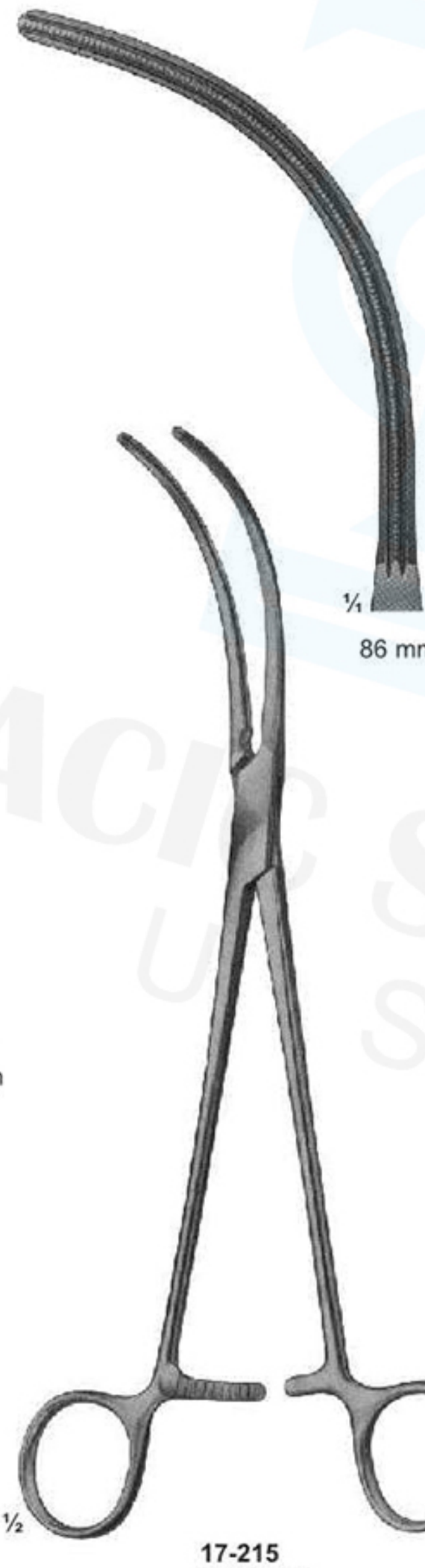



**17-213**
60 mm



**17-213**
GLOVER
220 mm

# Vena-Cava Clamps




**17-214**
GLOVER
215 mm

**17-215**
GLOVER
245 mm




**17-217**
80 mm

**17-216**
65 mm



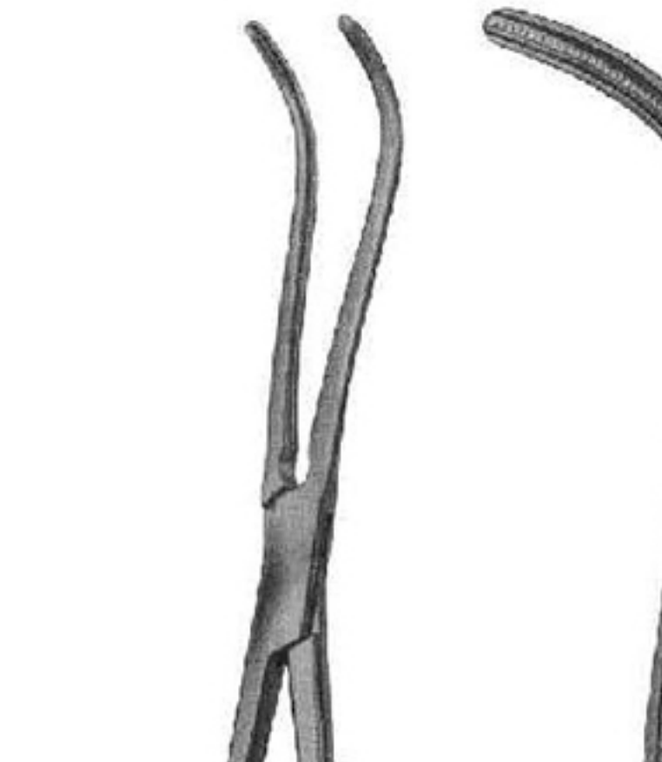




**17-216 - 217**
DE BAKEY-BACK
205 mm 210 mm

THORACIC SURGICAL INSTRUMENTS

# Vena-Cava Clamps




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




**17-218**
86 mm




**17-219**
86 mm



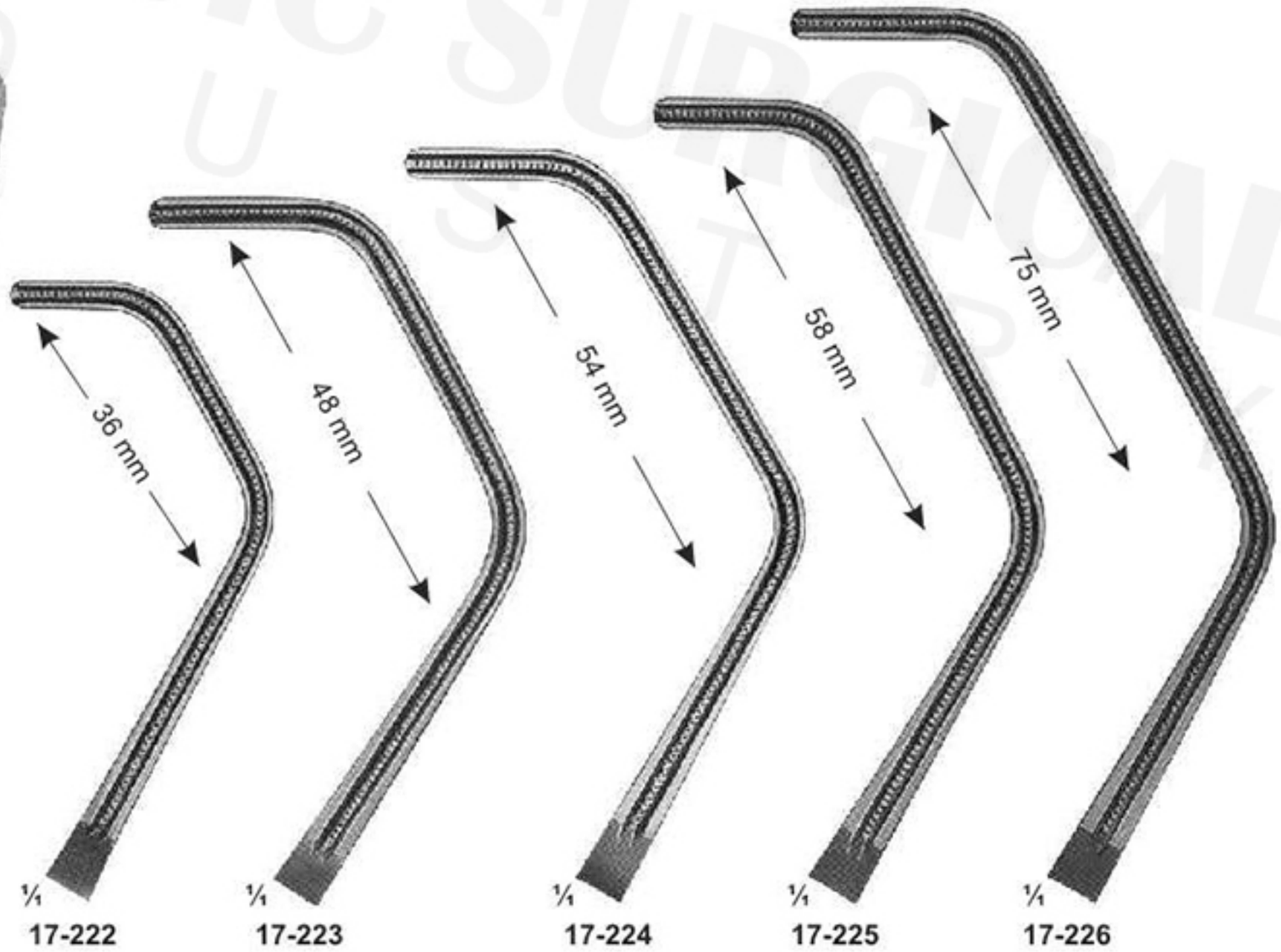

**17-220**
86 mm




**17-221**
86 mm

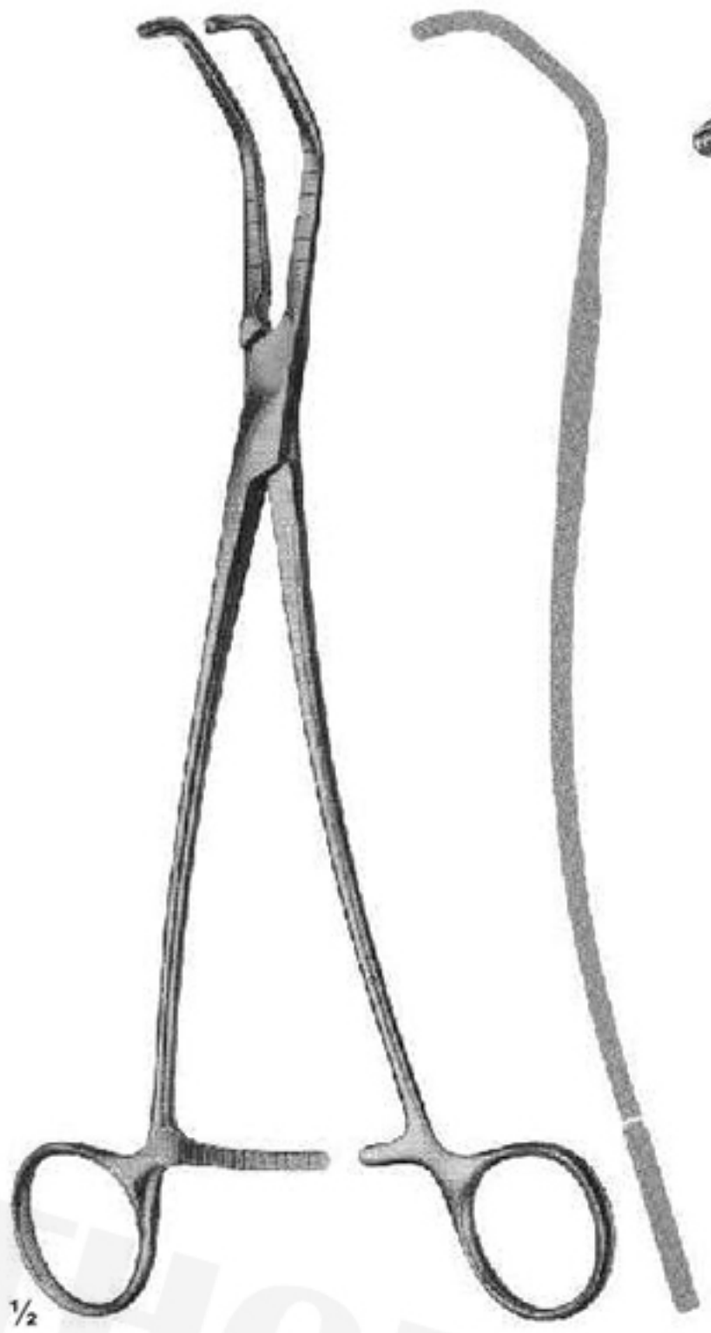



**17-222 - 226**
DE BAKEY

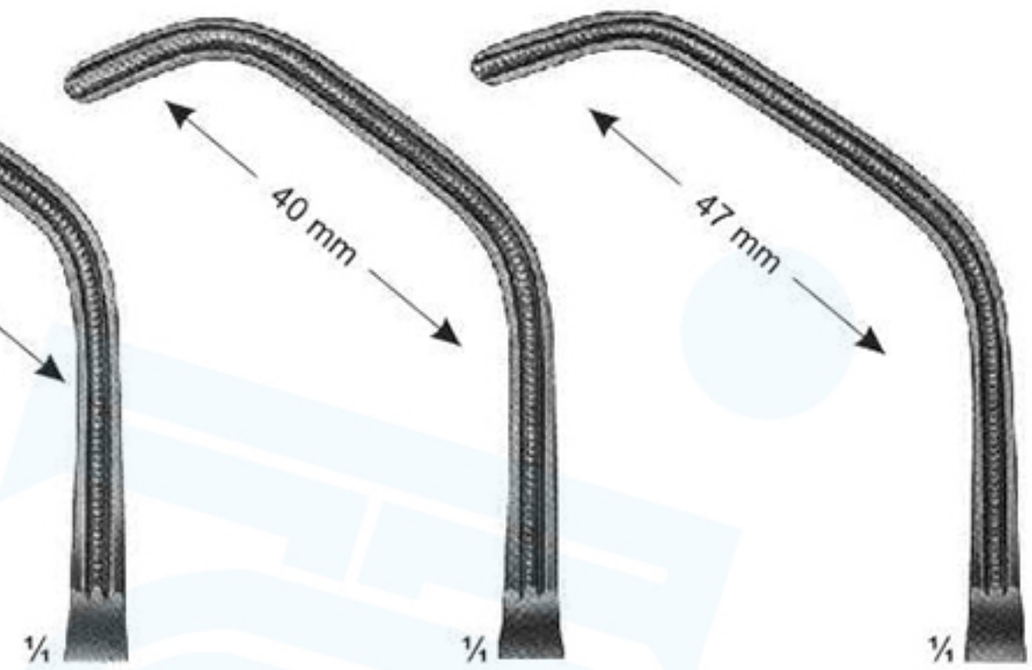



| | 17-222 | 17-223 | 17-224 | 17-225 | 17-226 |
|---|---|---|---|---|---|
| Total Length: | 220 mm | 256 mm | 270 mm | 270 mm | 280 mm |
| Length of jaws: | 85 mm | 95 mm | 99 mm | 103 mm | 119 mm |

# Vena-Cava Clamps



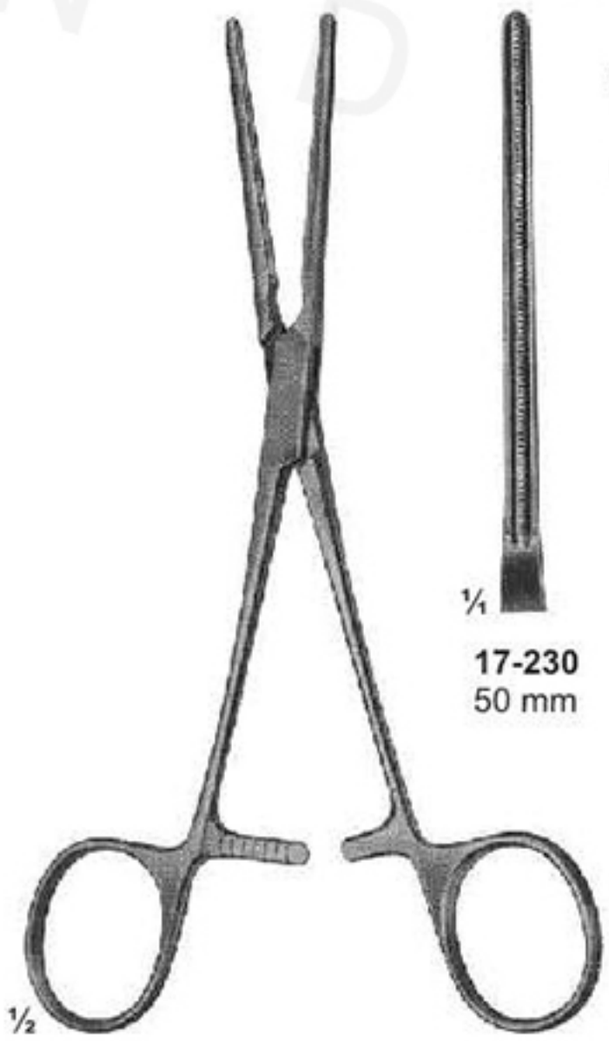

**17-227 - 229**
DE BAKEY-SATINSKY
235 mm, 240 mm, 245 mm




**17-227**
68 mm

**17-228**
76 mm

**17-229**
84 mm




**17-230**
50 mm

**17-231**
50 mm

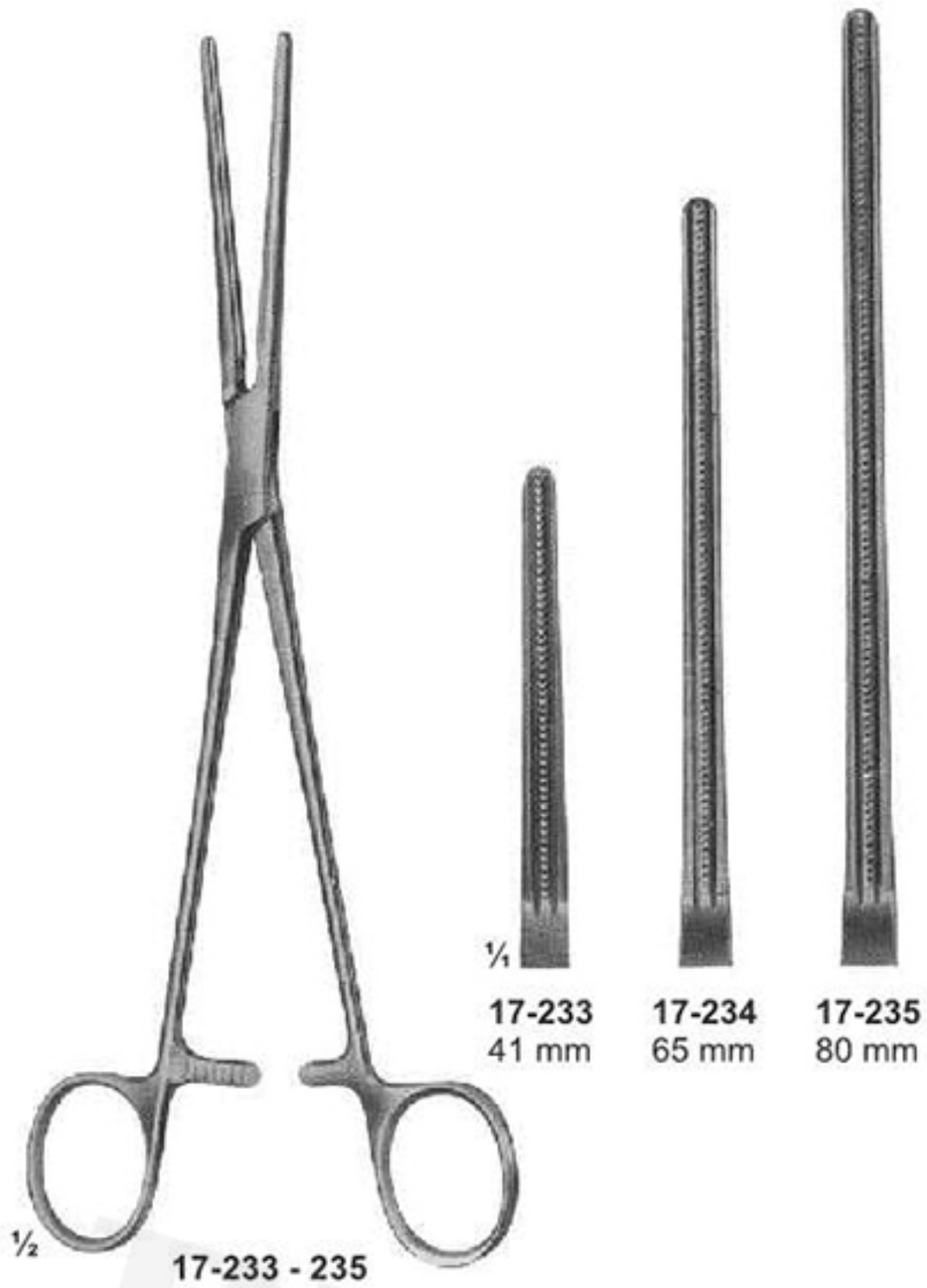
**17-230 - 231**
DE BAKEY
170 mm, 165 mm




50 mm

**17-232**
DE BAKEY
165 mm

# Vena-Cava Clamps

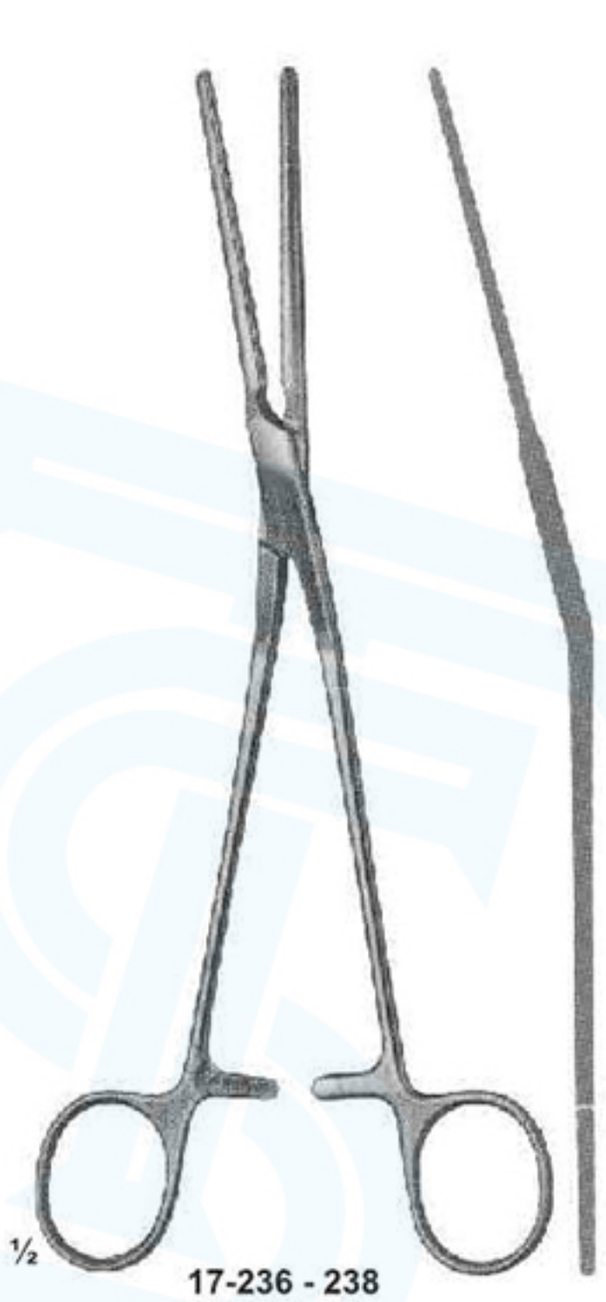



**17-233**
41 mm

**17-234**
65 mm

**17-235**
80 mm

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




**17-236**
41 mm

**17-237**
65 mm

**17-238**
80 mm

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




51 mm




51 mm



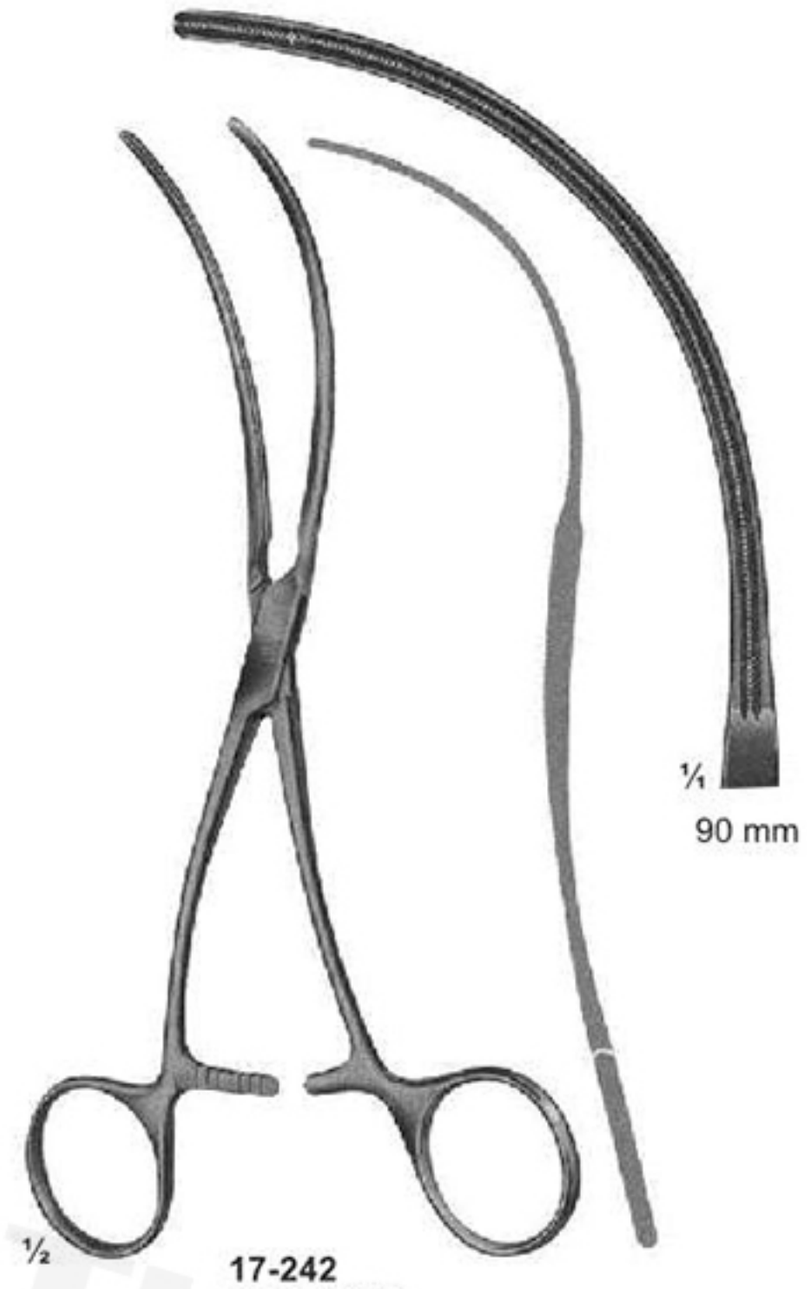

56 mm

**17-239**
DE BAKEY
210 mm

**17-240**
DE BAKEY
210 mm

**17-241**
DE BAKEY
160 mm

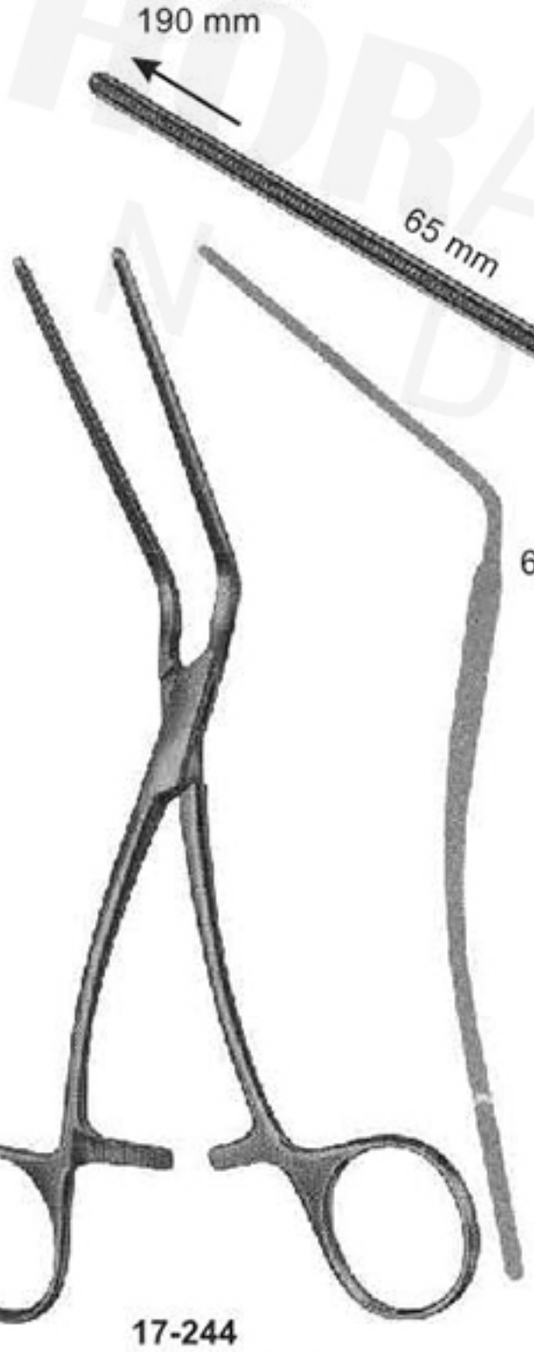
# Vena-Cava Clamps



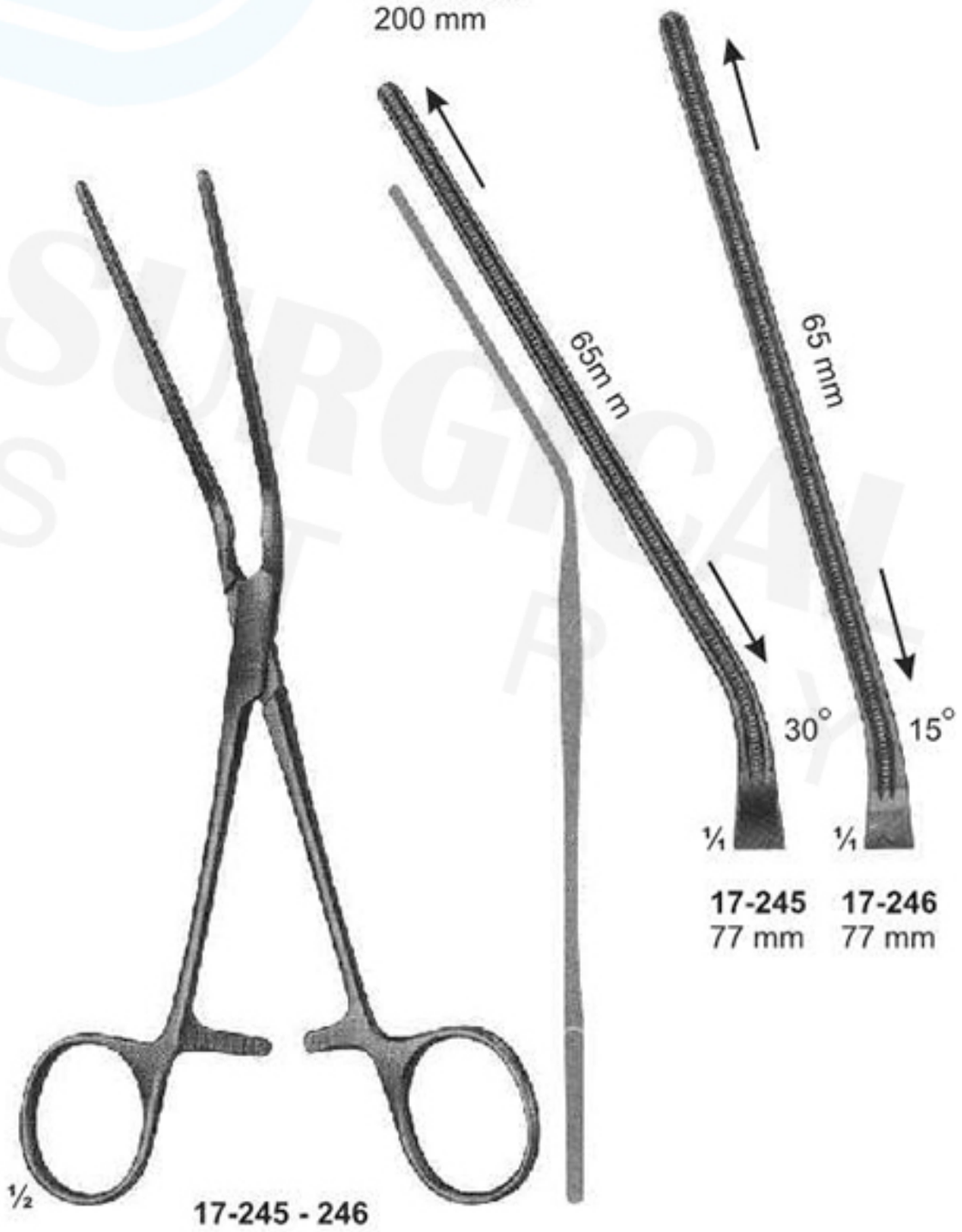

**17-242**
DE BAKEY
190 mm




**17-243**
DE BAKEY
200 mm




**17-244**
DE BAKEY
180 mm




**17-245** **17-246**
77 mm 77 mm

**17-245 - 246**
DE BAKEY
190 mm

# Vena-Cava Clamps




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




**17-248**
DE BAKEY
200 mm

Iliac clamp




**17-249**
WERTHEIM
250 mm

THORACIC SURGICAL INSTRUMENTS LTD

# Vena-Cava Clamps



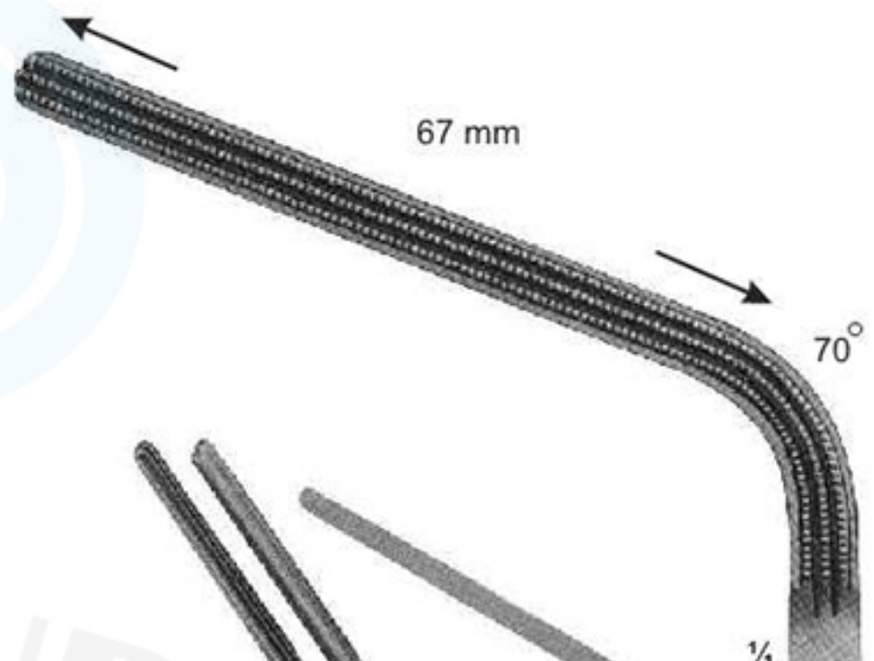
**17-250**
78 mm

**17-251**
88 mm

**17-252**
98 mm



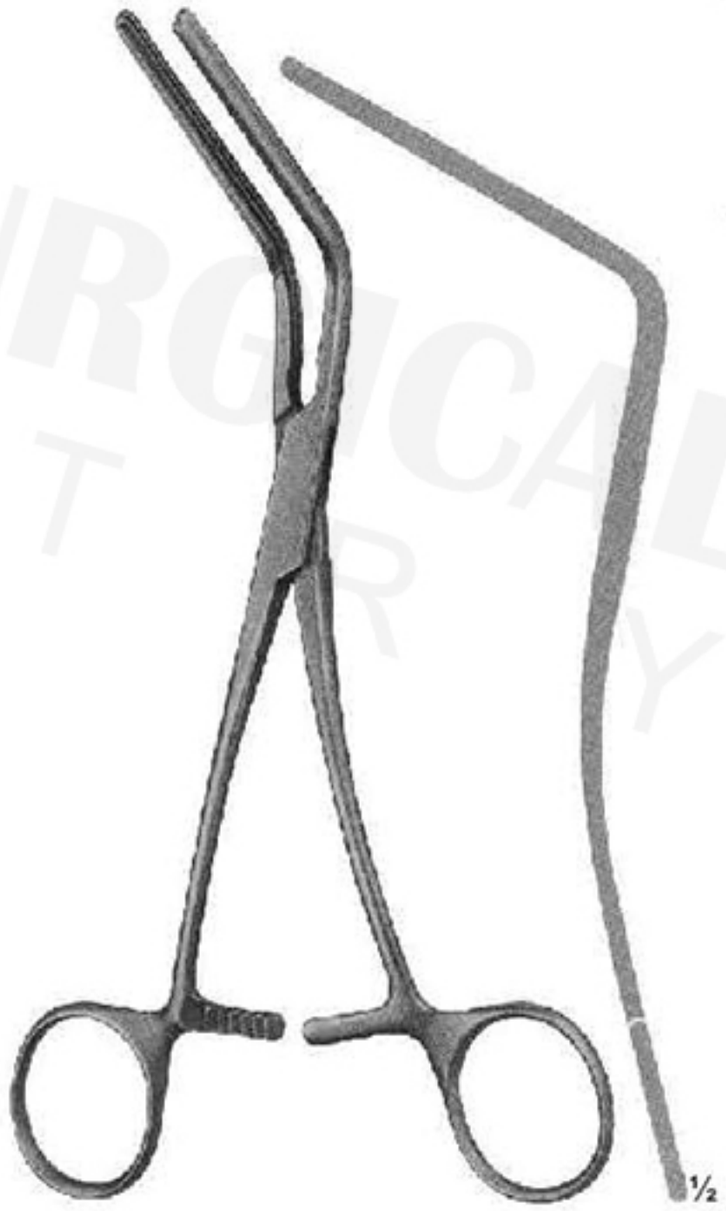
**17-250 - 252**
DICK
255 mm, 265 mm, 275 mm



67 mm

70°

93 mm



**17-253**
MORRIS
175 mm

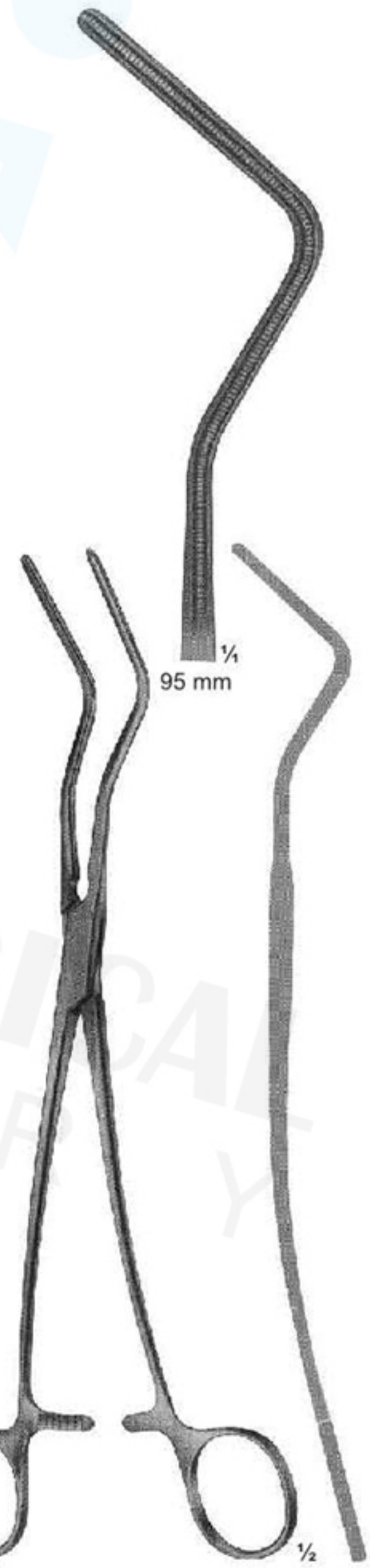
# Vena-Cava Clamps




**17-254**
**DE BAKEY**
240 mm

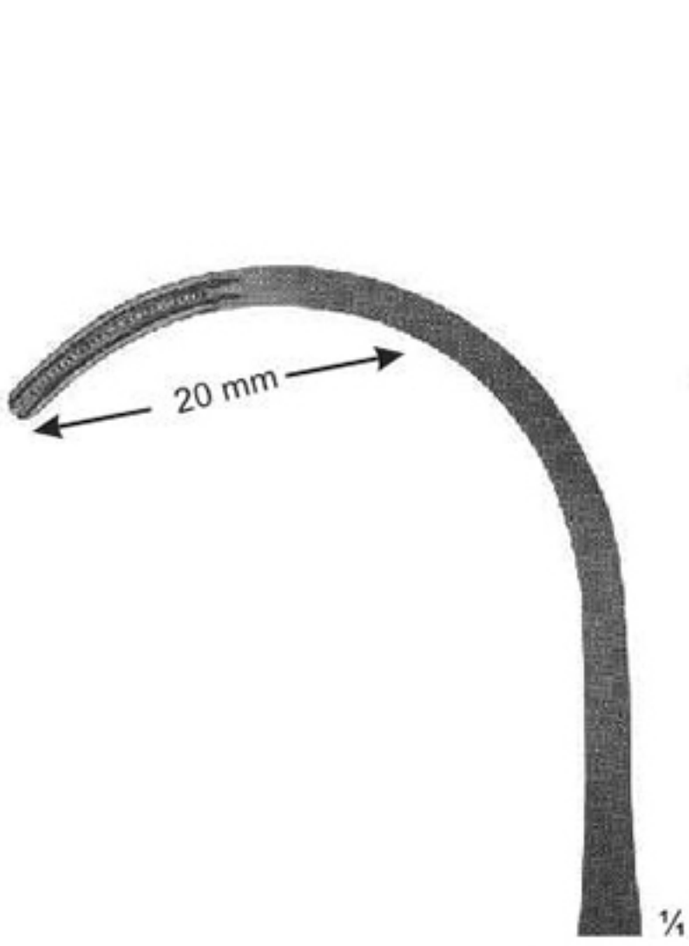



**17-255**
**LEES**
220 mm

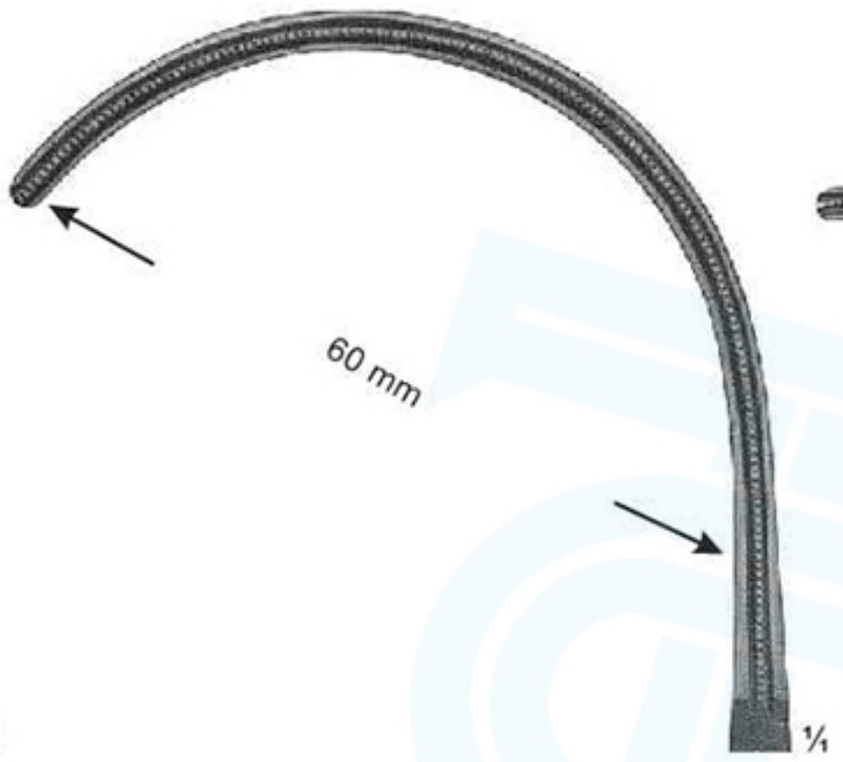



**17-256**
**LEES**
245 mm

# Vena-Cava Clamps




100 mm




111 mm




**17-259**
70 mm

**17-260**
75 mm

**17-261**
85 mm




**17-257**
**DE BAKEY**
265 mm



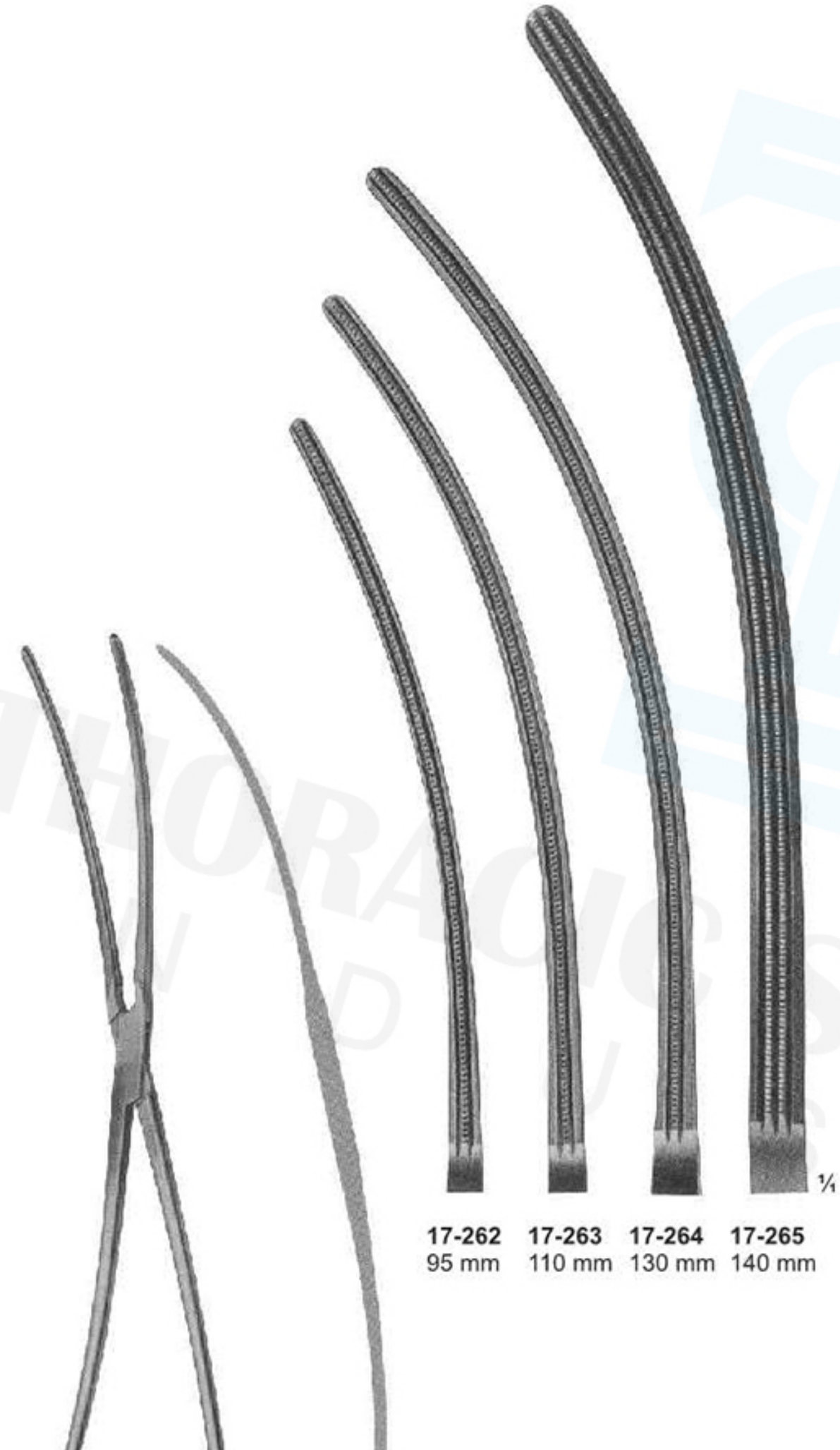

**17-258**
**DE BAKEY**
270 mm




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

THORACIC SURGICAL INDUSTRY

# 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







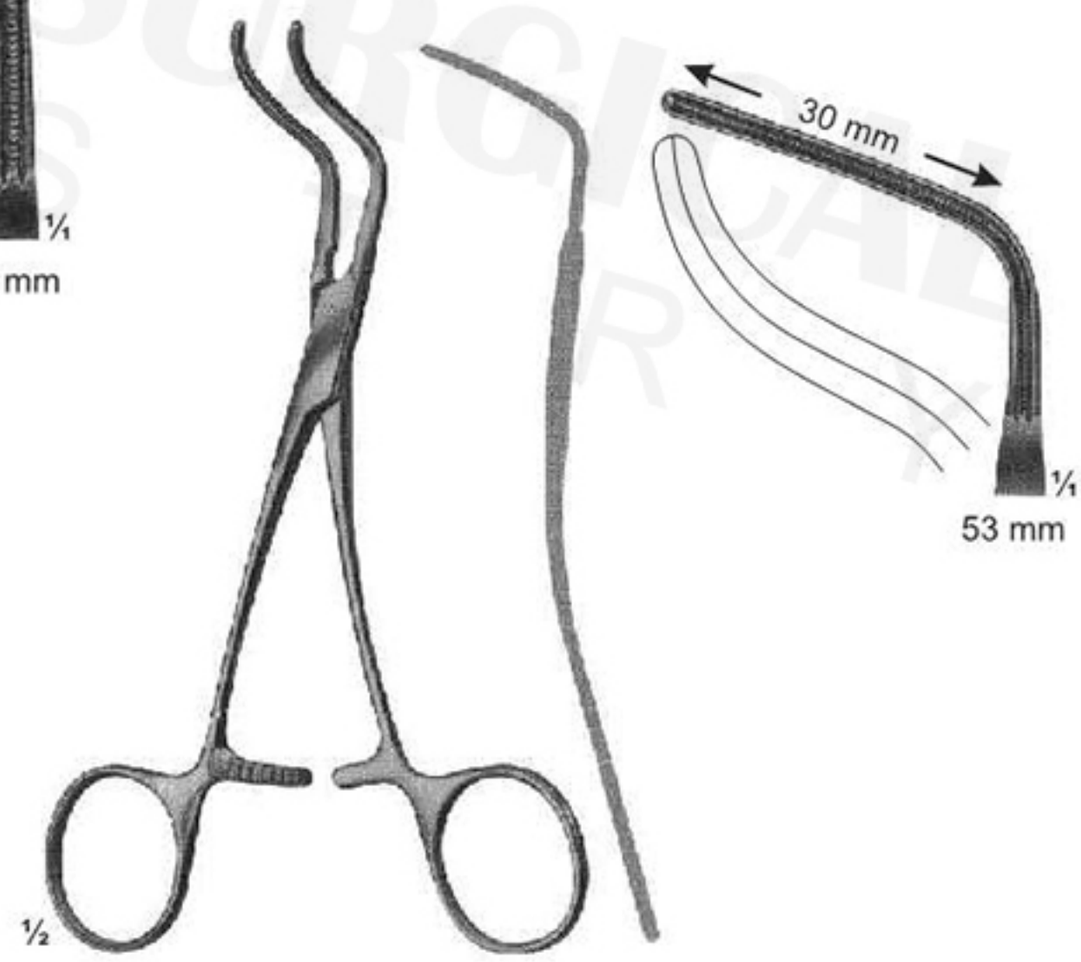
**17-266**
**DE BAKEY**
300 mm

THORACIC SURGICAL INSTRUMENTS

# Vena-Cava Clamps

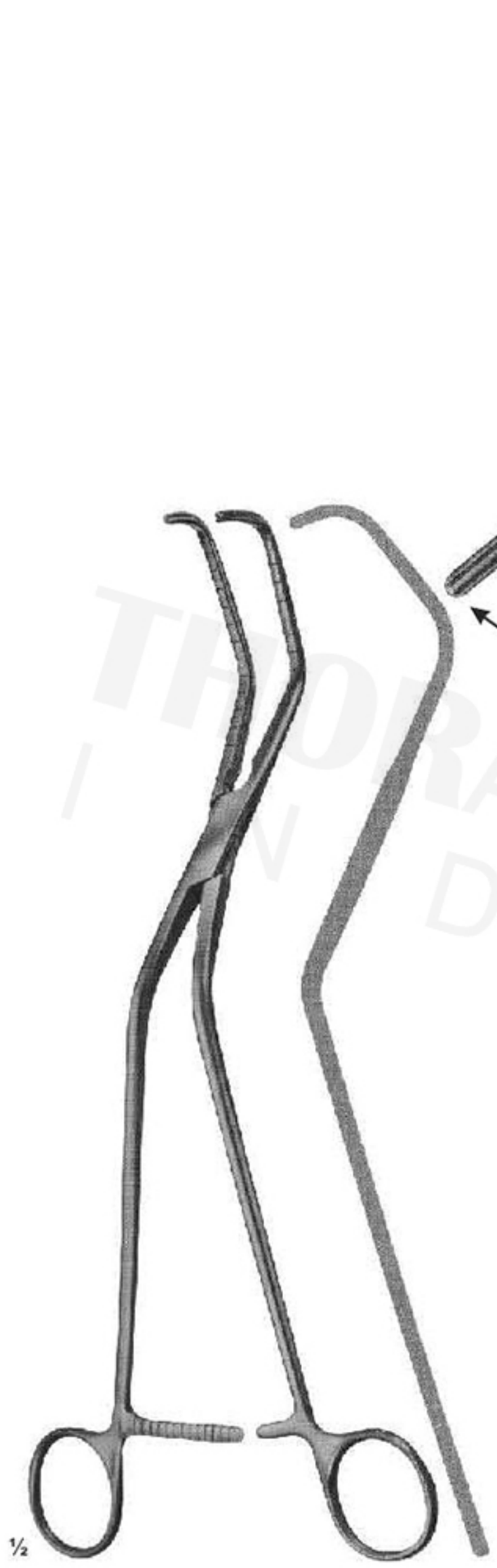



**17-267**
**DIETHRICH**
210 mm



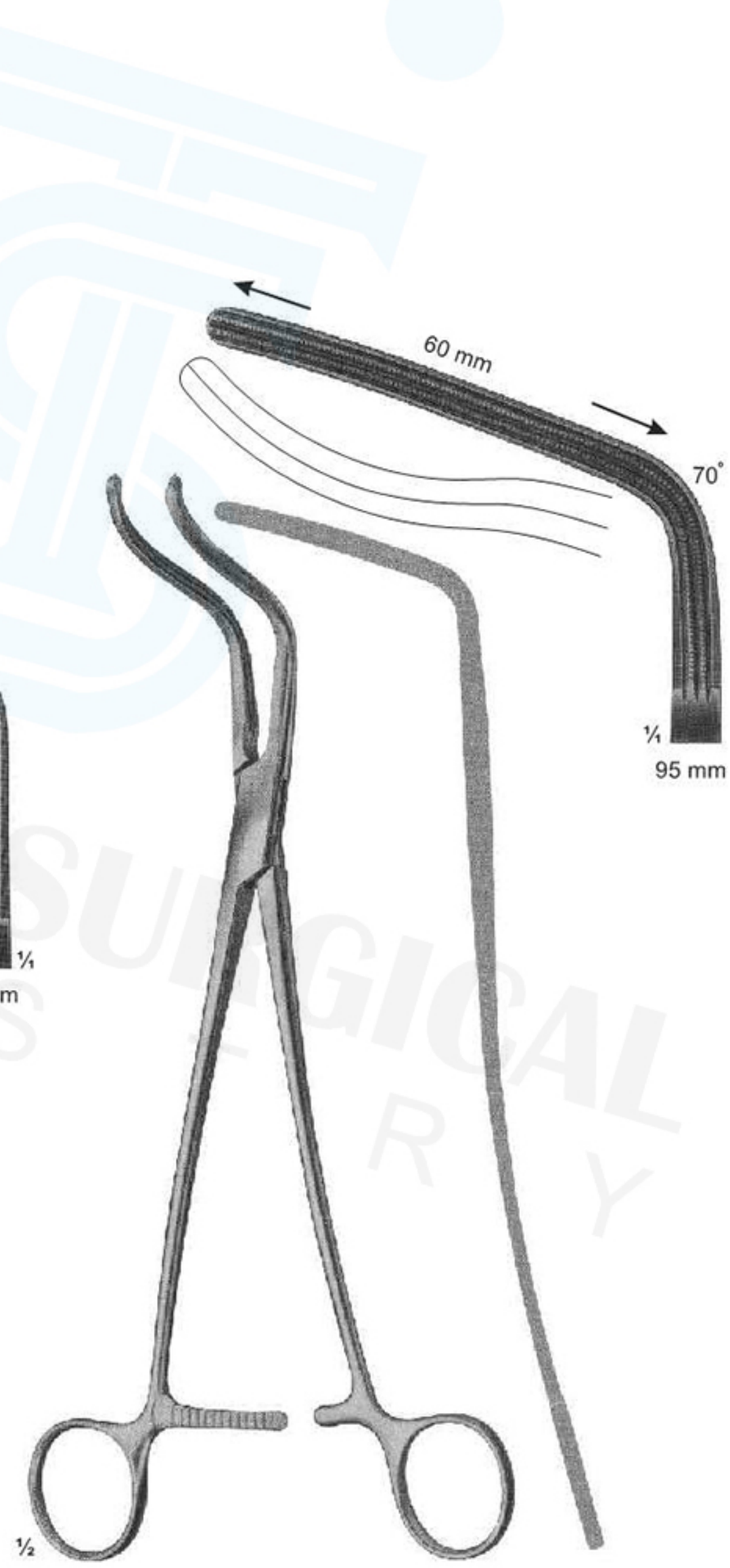

**17-268**
**SUBRAMANIAN**
155 mm

# Vena-Cava Clamps



½

**17-269**
OCHSNER
260 mm




½

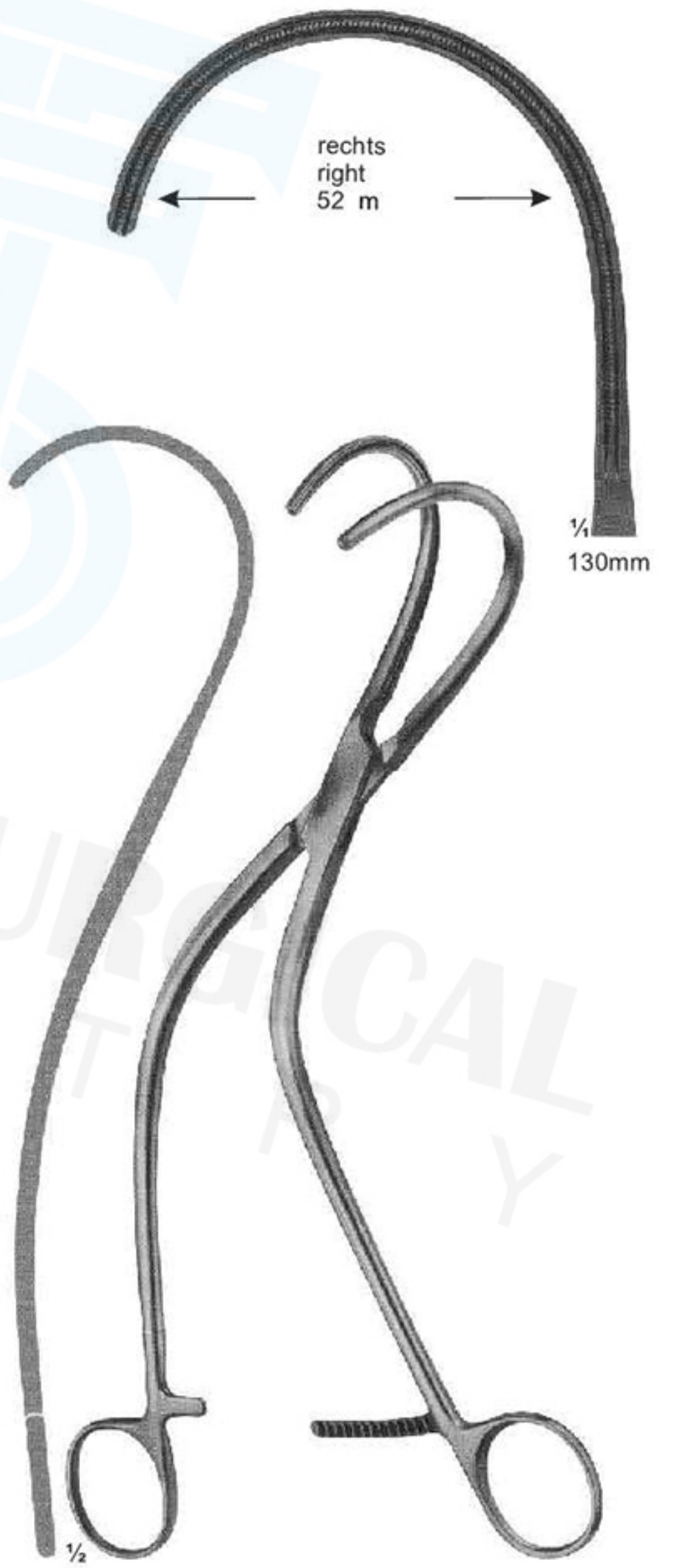
**17-270**
**DE BAKEY**
265 mm

THORACIC SURGICAL INDUSTRY

# Aorta-Anastomosis Clamps




**L**
**17-271**
WEBER
265 mm



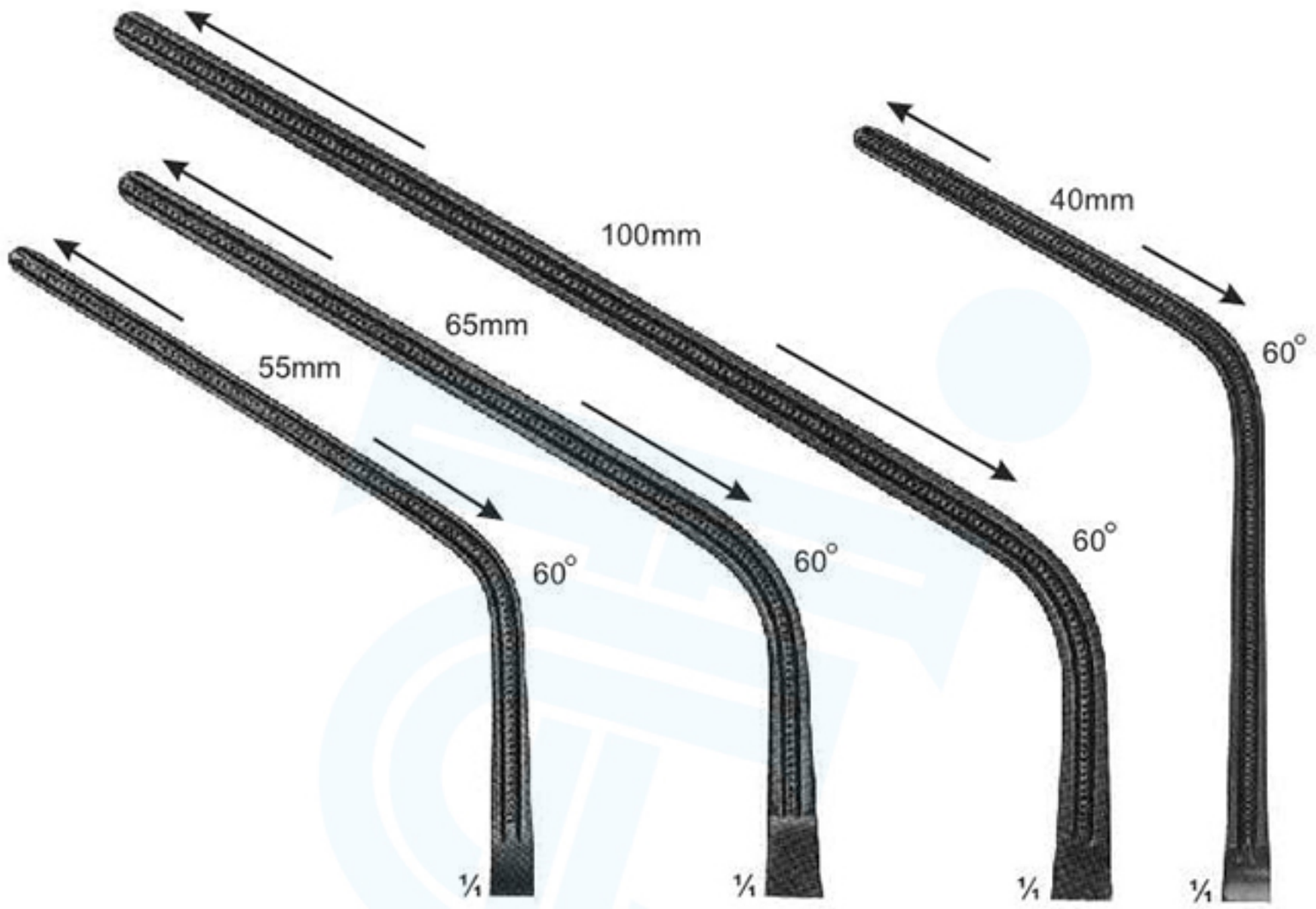

**R**
**17-272**
WEBER
265 mm

THORACIC SURGICAL INDUSTRY

# Aorta-Anastomosis Clamps



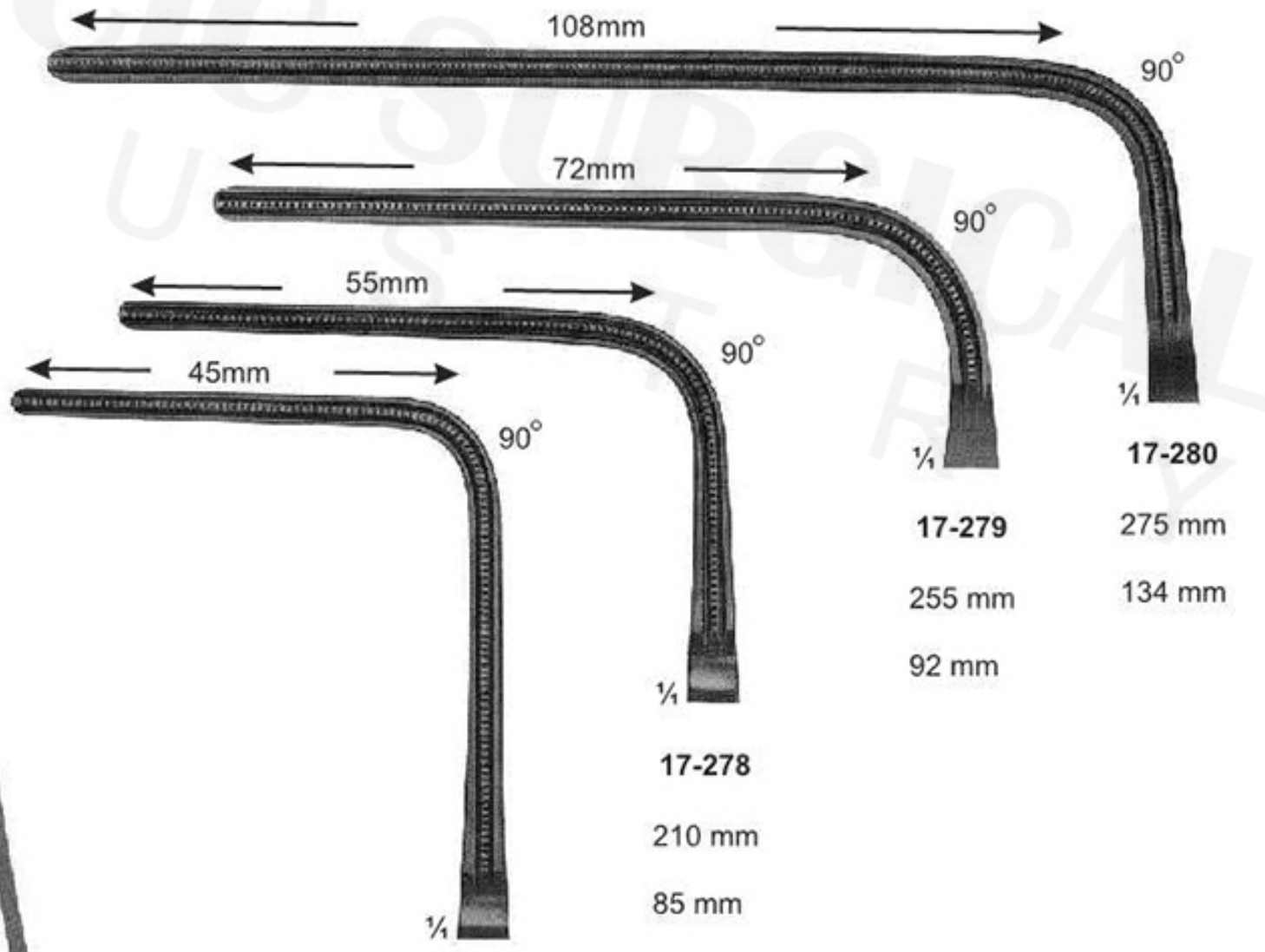

**17-273 - 276**
DE BAKEY




| | 17-273 | 17-274 | 17-275 | 17-276 |
|---|---|---|---|---|
| Total Length: | 230 mm | 280 mm | 305 mm | 240 mm |
| Length of jaws: | 85 mm | 100 mm | 135 mm | 93 mm |

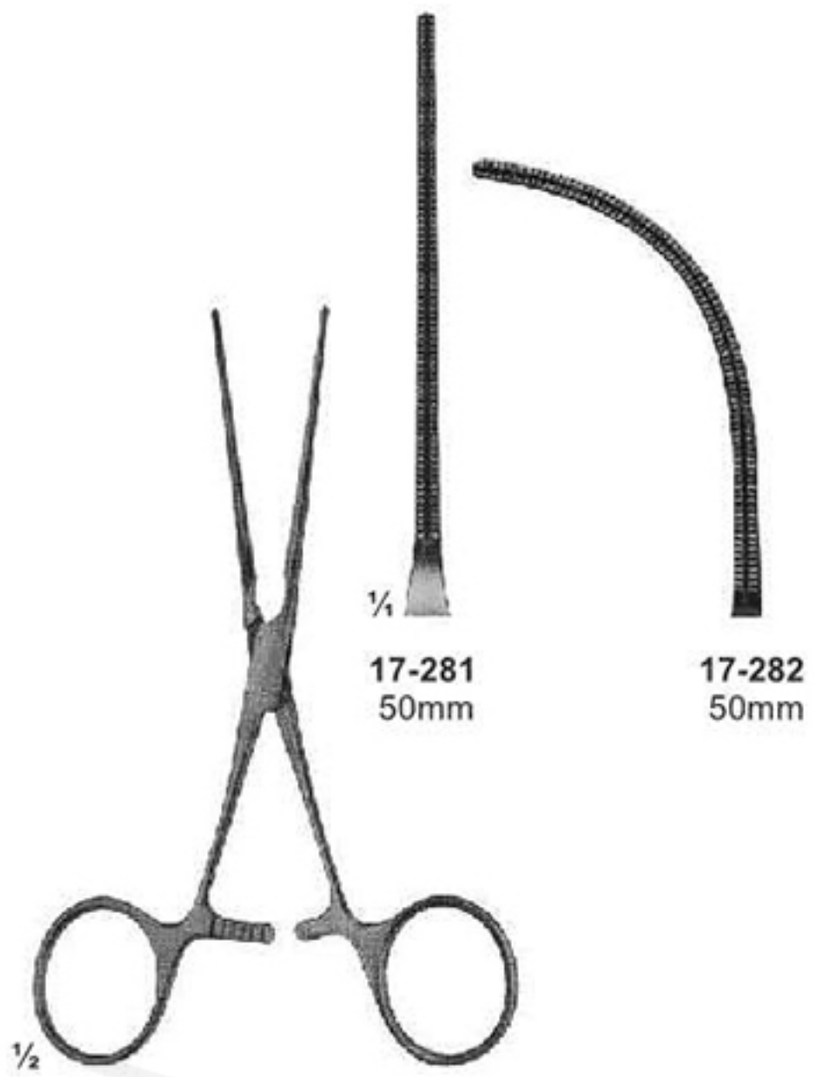



**17-277 - 280**
DE BAKEY

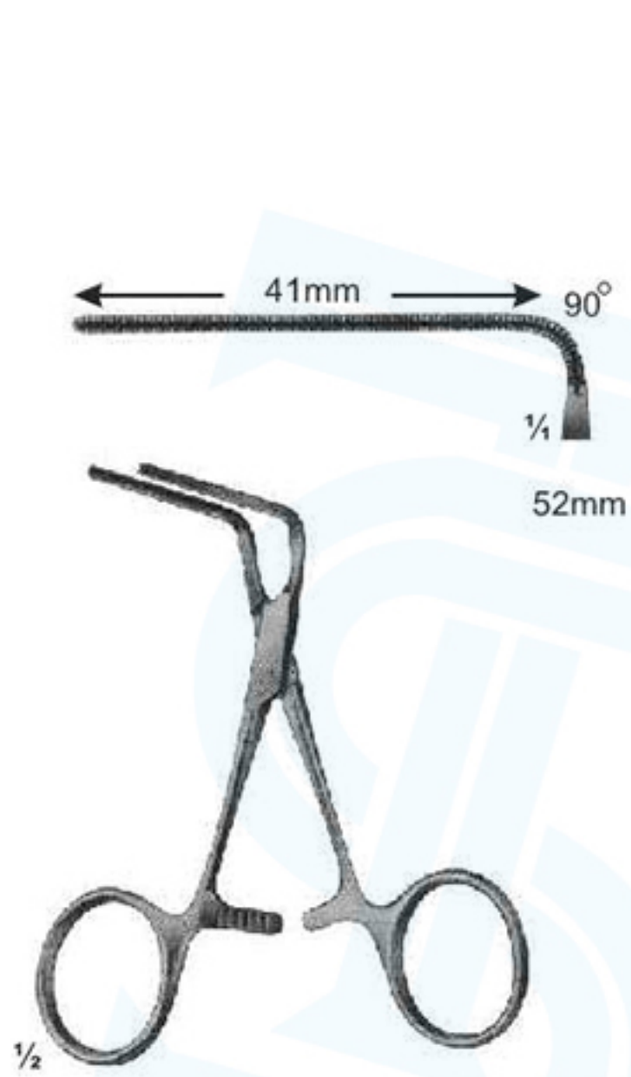



| | 17-277 | 17-278 | 17-279 | 17-280 |
|---|---|---|---|---|
| Total Length: | 225 mm | 210 mm | 255 mm | 275 mm |
| Length of jaws: | 93 mm | 85 mm | 92 mm | 134 mm |

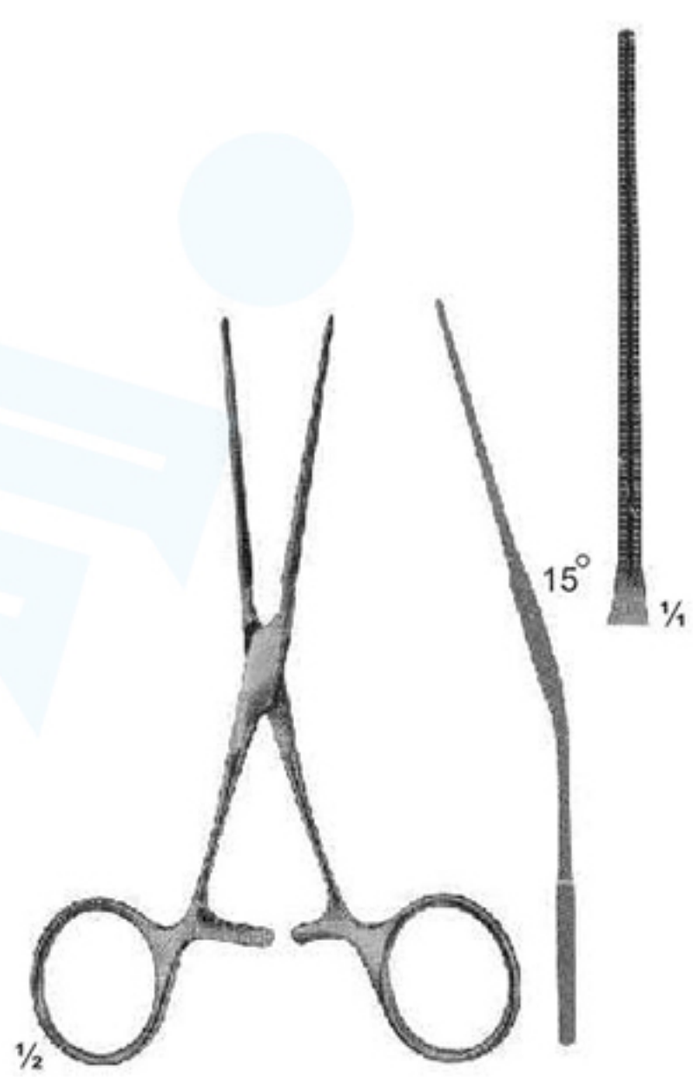
# Aorta-Anastomosis Clamps



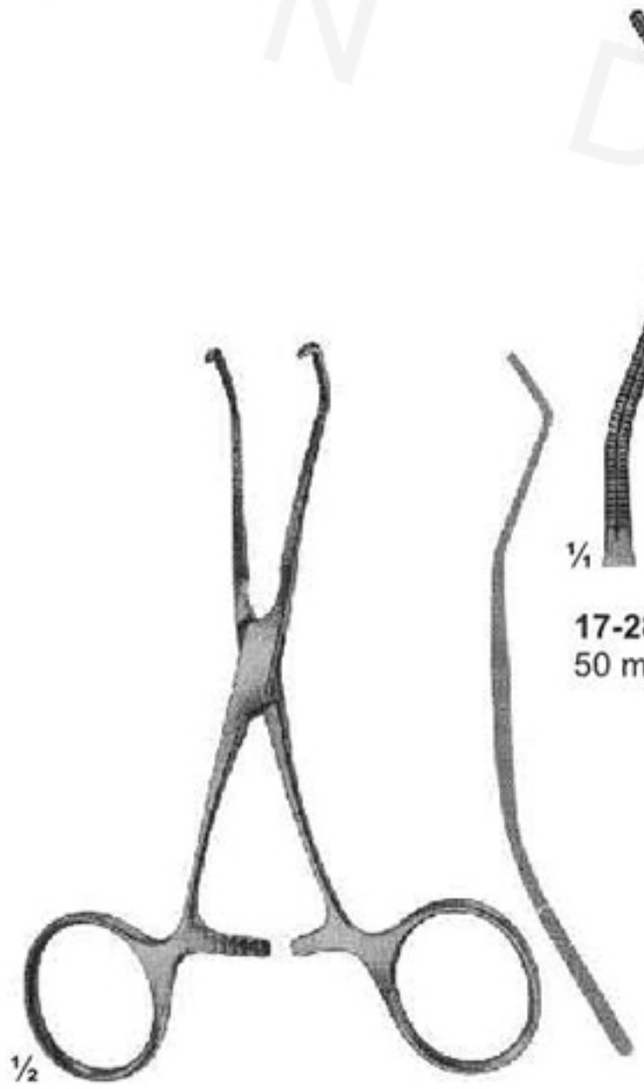

**17-281 - 282**
COOLEY
125 mm, 115 mm



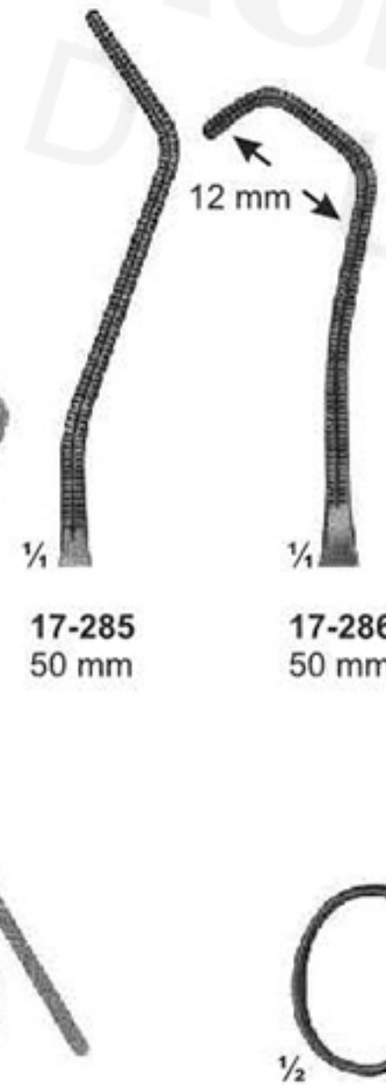

**17-283**
COOLEY
100 mm




**17-284**
COOLEY
125 mm

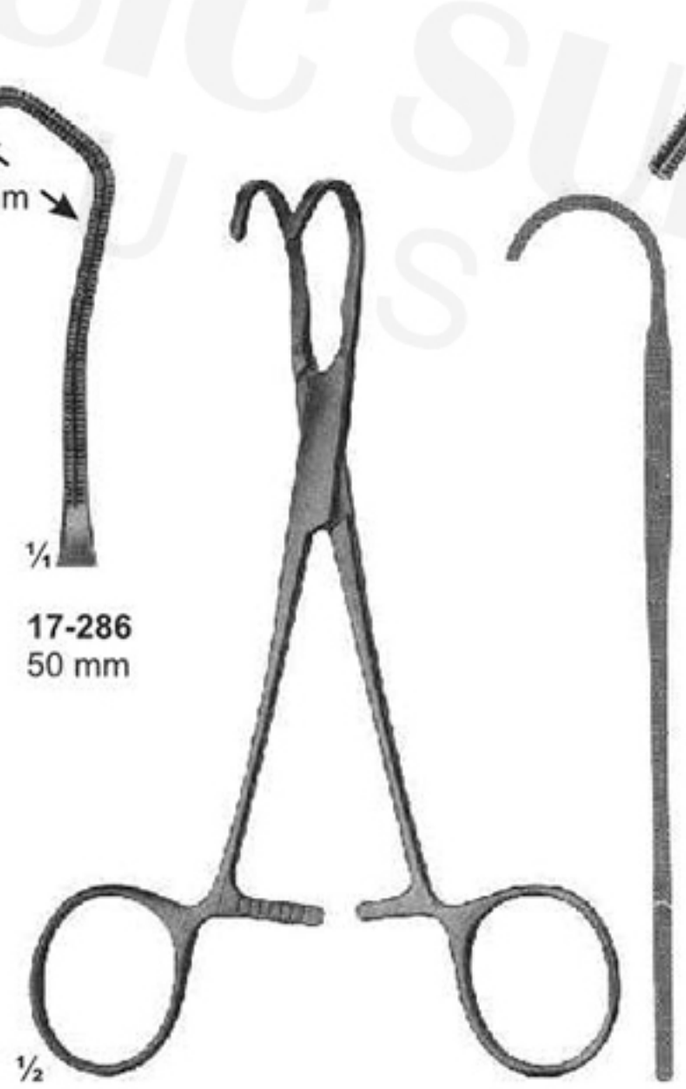



**17-285**
50 mm




**17-286**
50 mm

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

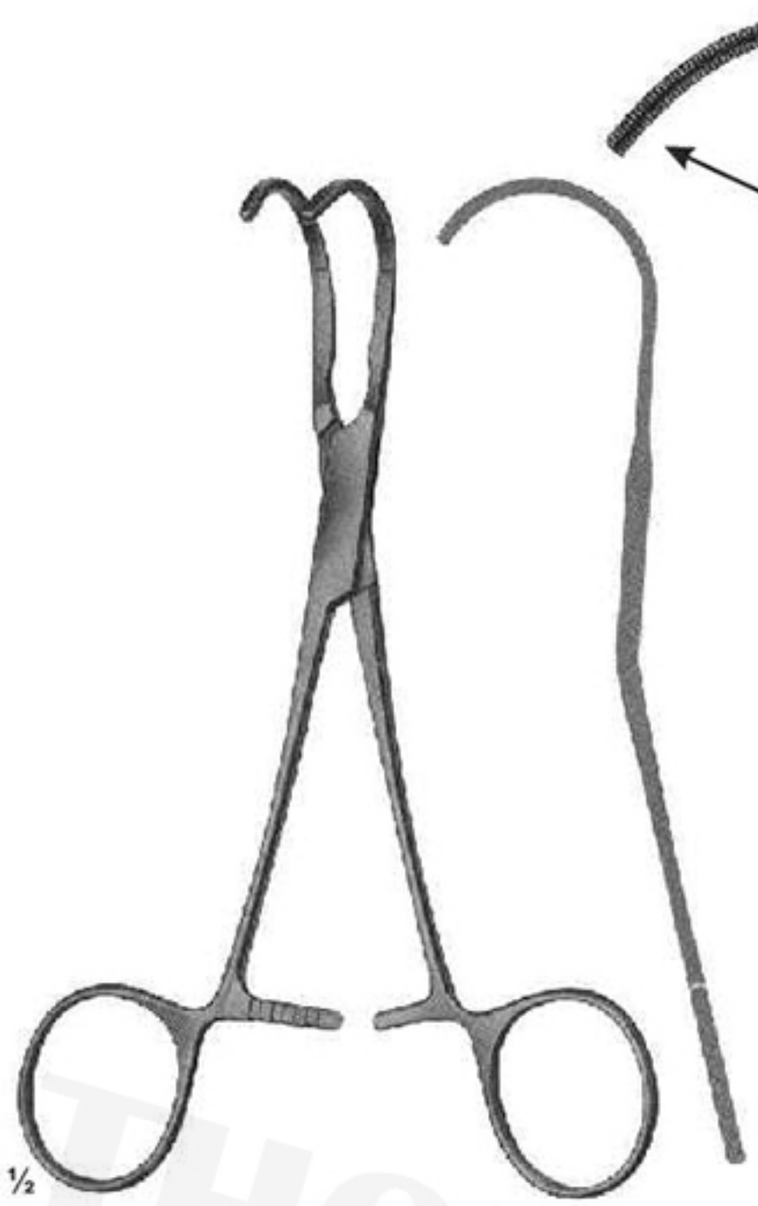



**17-287**
56 mm

**17-288**
63 mm

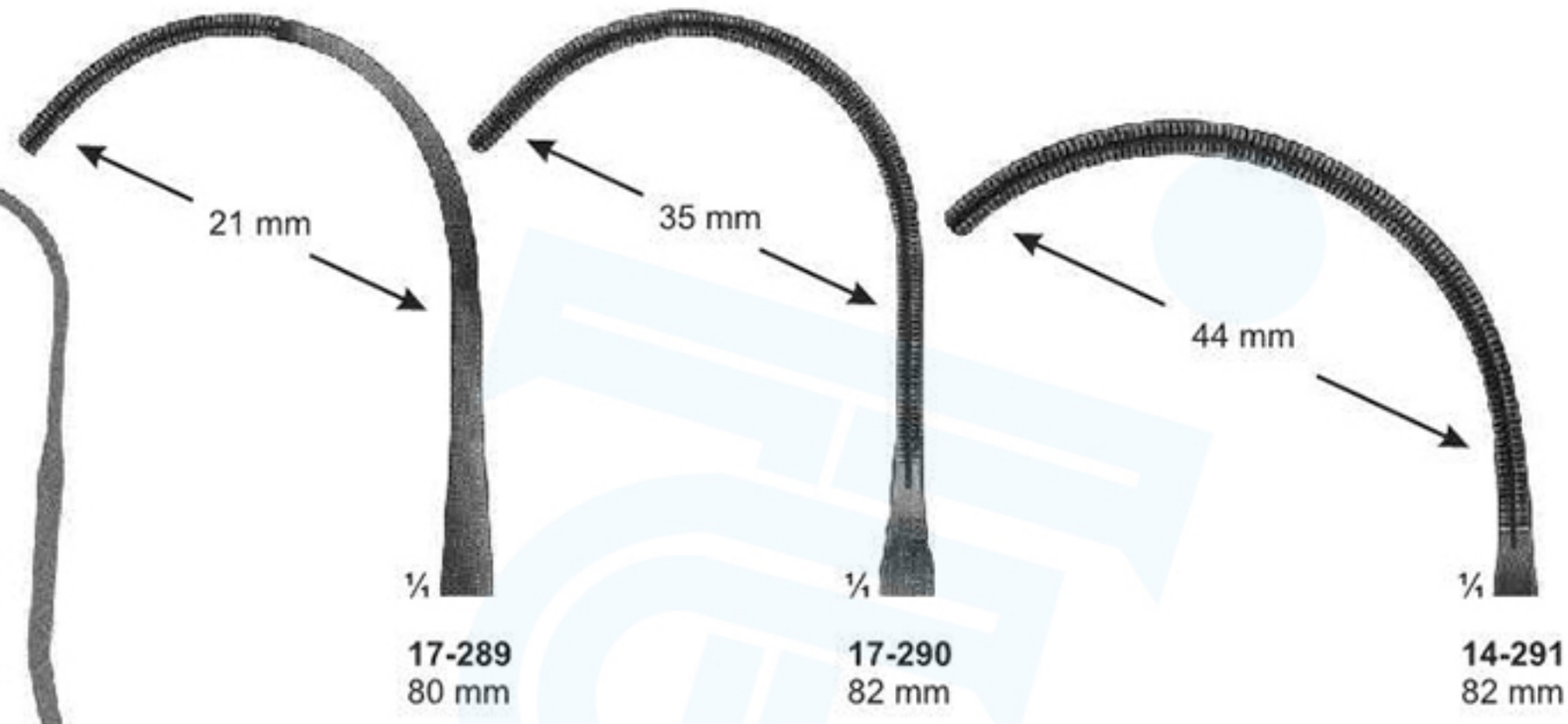
**17-287 - 288**
COOLEY-BACK
150 mm, 115 mm

# Aorta-Anastomosis Clamps



½

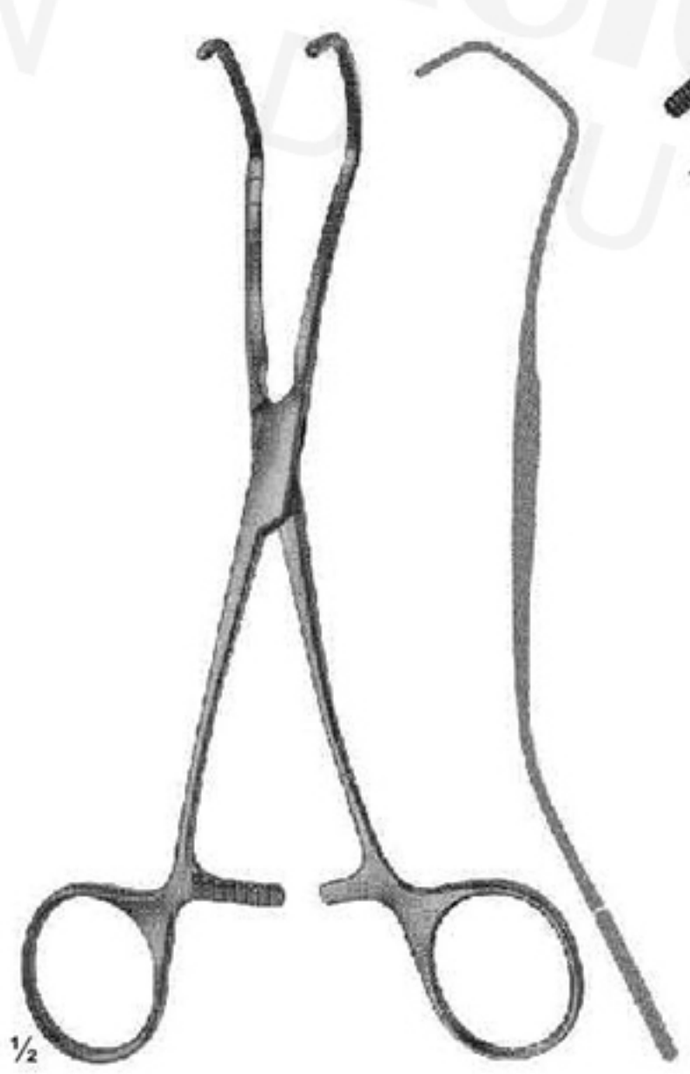
**17-289 - 291**
COOLEY
170 mm




**17-289**
80 mm

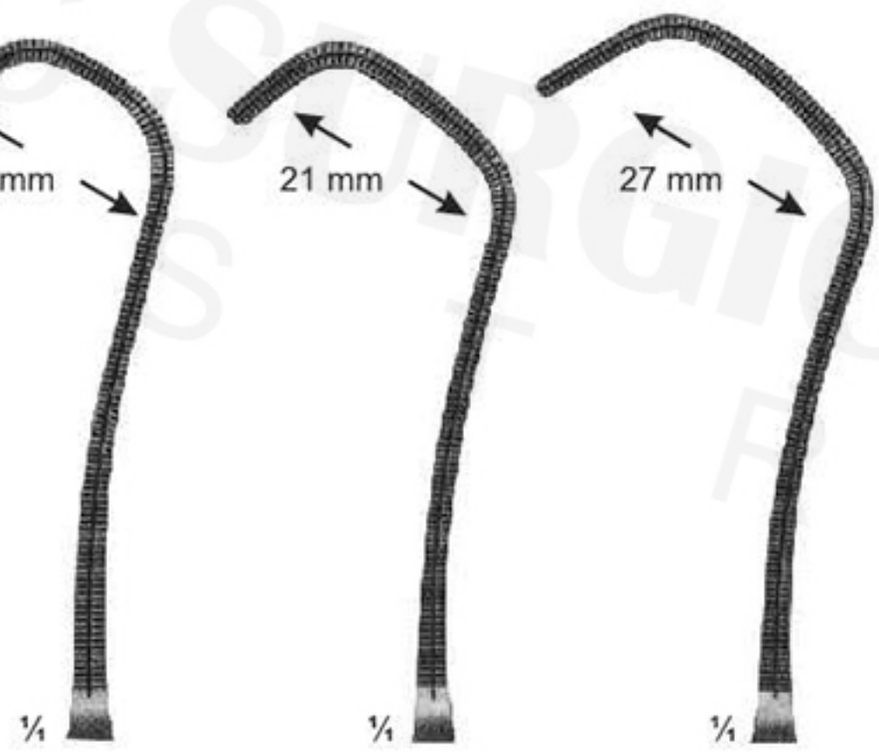
**17-290**
82 mm

**14-291**
82 mm



½

**17-292 - 294**
DERRA-COOLEY
170 mm, 175 mm, 175mm



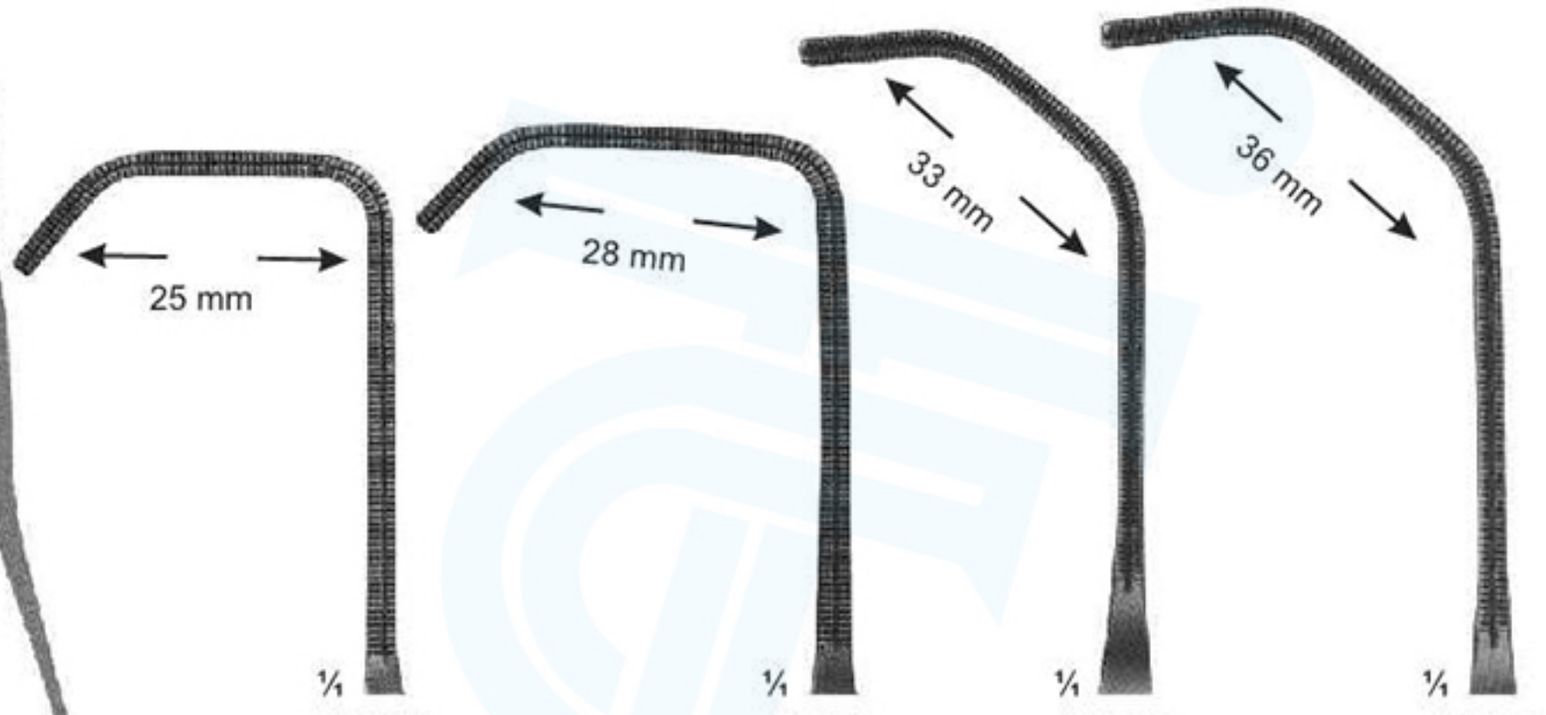

**17-292**
71 mm

**17-293**
76 mm

**17-294**
80 mm

# Aorta-Anastomosis Clamps



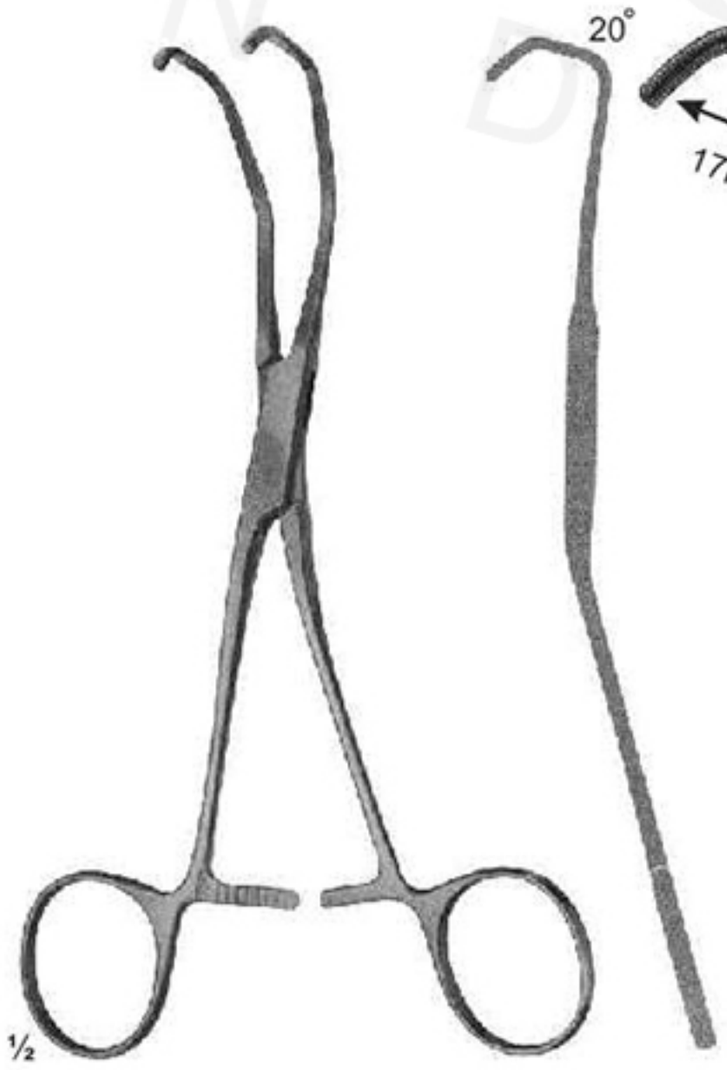

**17-295**
72 mm

**17-296**
76 mm

**17-297**
72 mm

**17-298**
76 mm

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







72 mm

**17-299**
COOLEY
170 mm



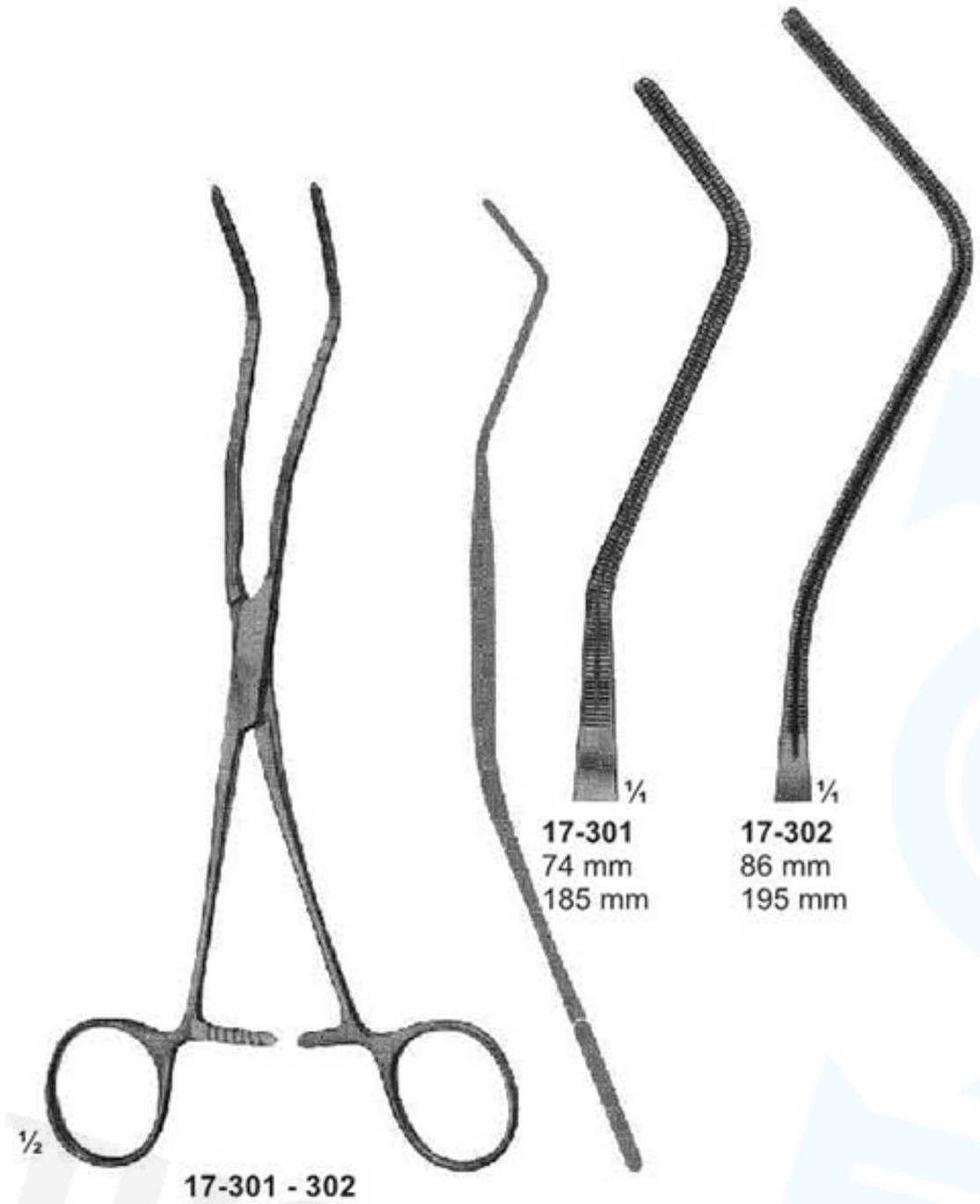




74mm

**17-300**
COOLEY
175 mm

# Aorta-Anastomosis Clamps



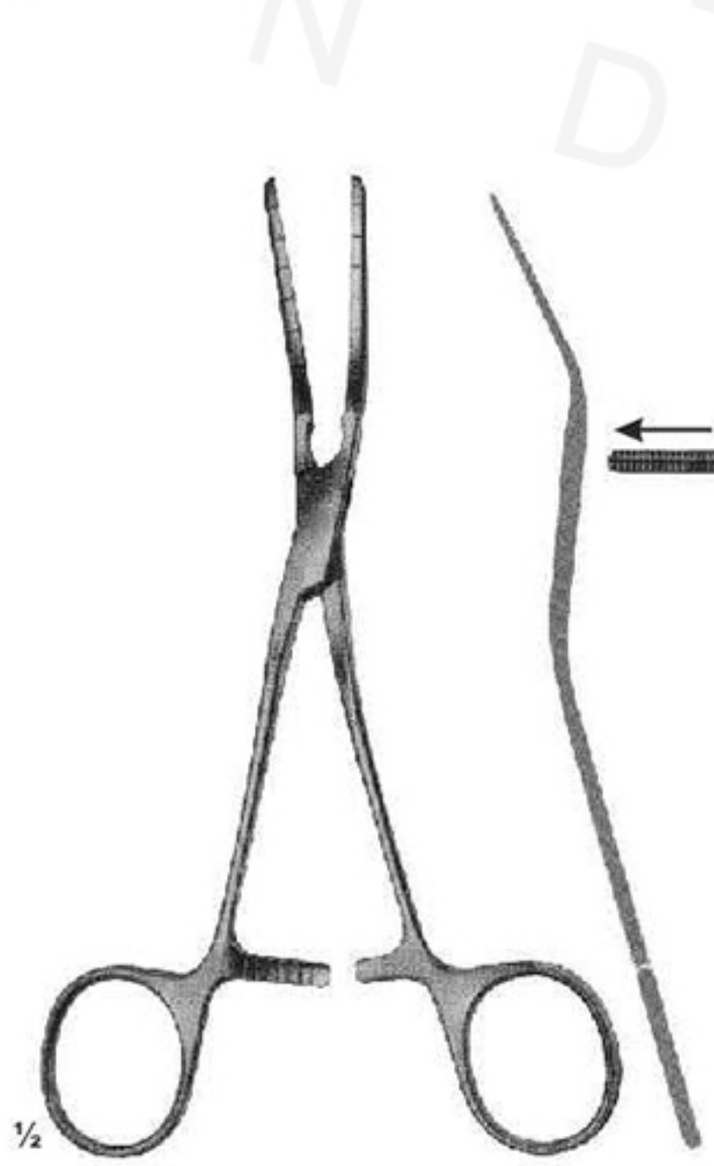

**17-301 - 302**
COOLEY

**17-301**
74 mm
185 mm

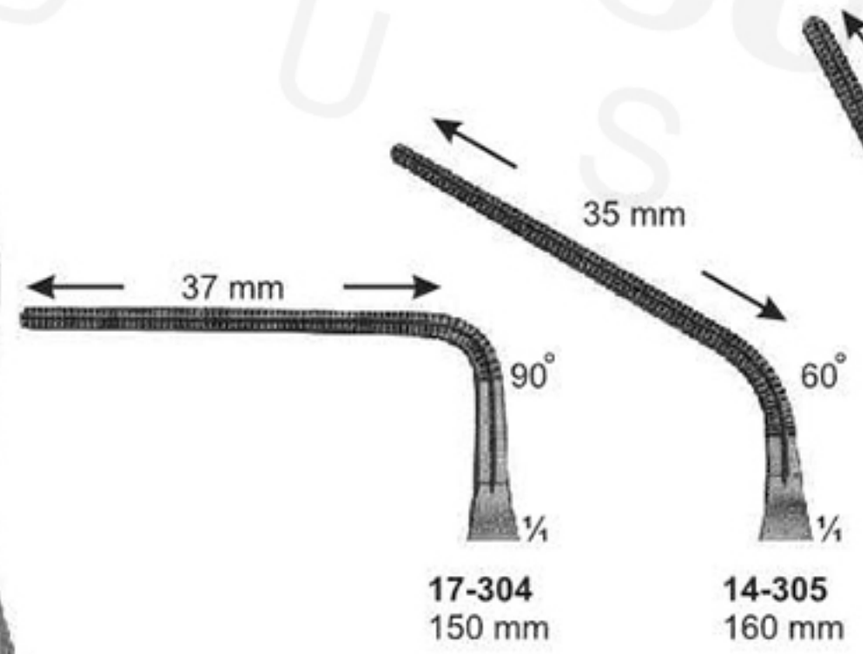
**17-302**
86 mm
195 mm




**17-303**
COOLEY
260 mm



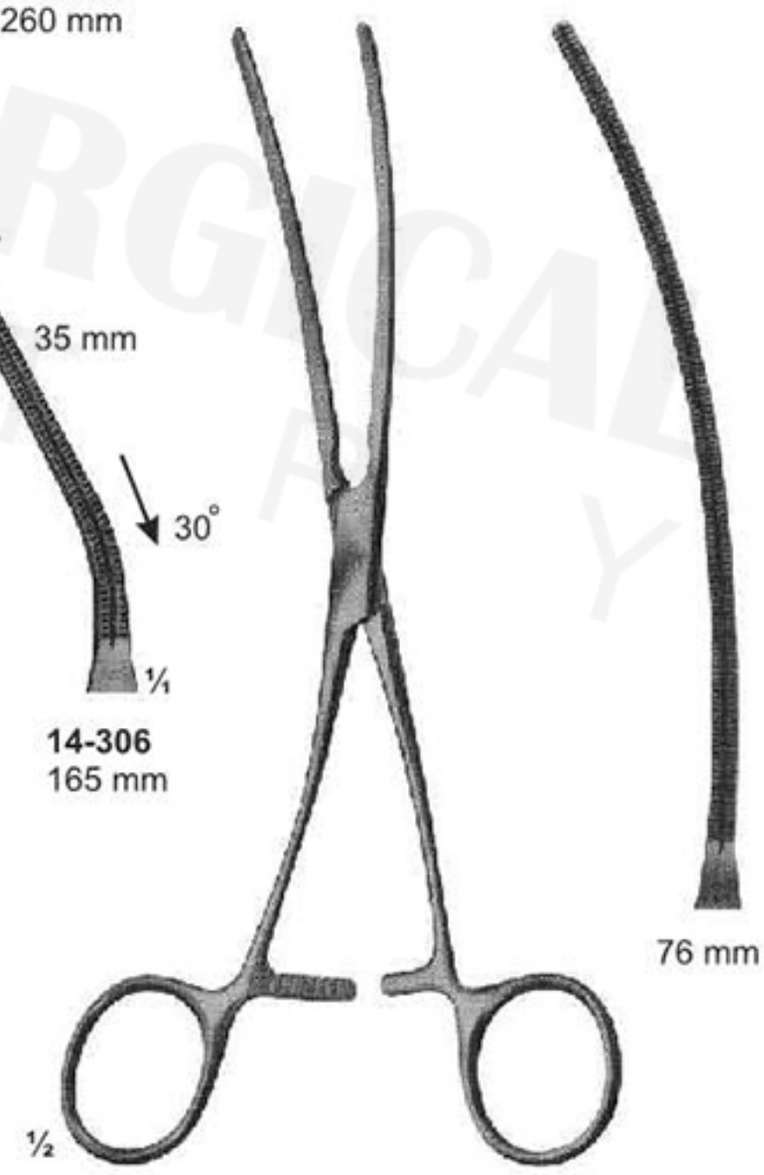

**17-304 - 306**
COOLEY




**17-304**
150 mm

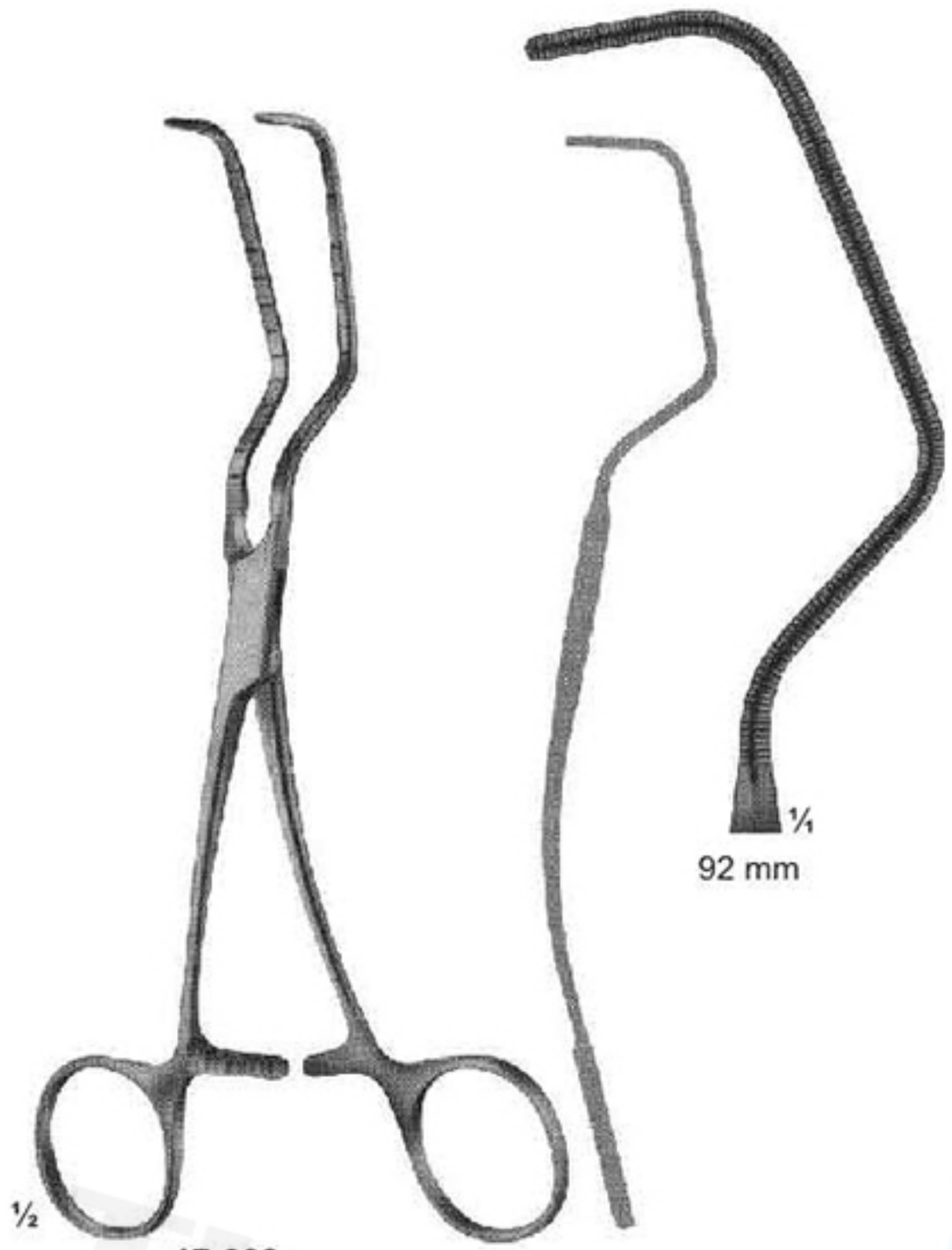
**14-305**
160 mm

**14-306**
165 mm

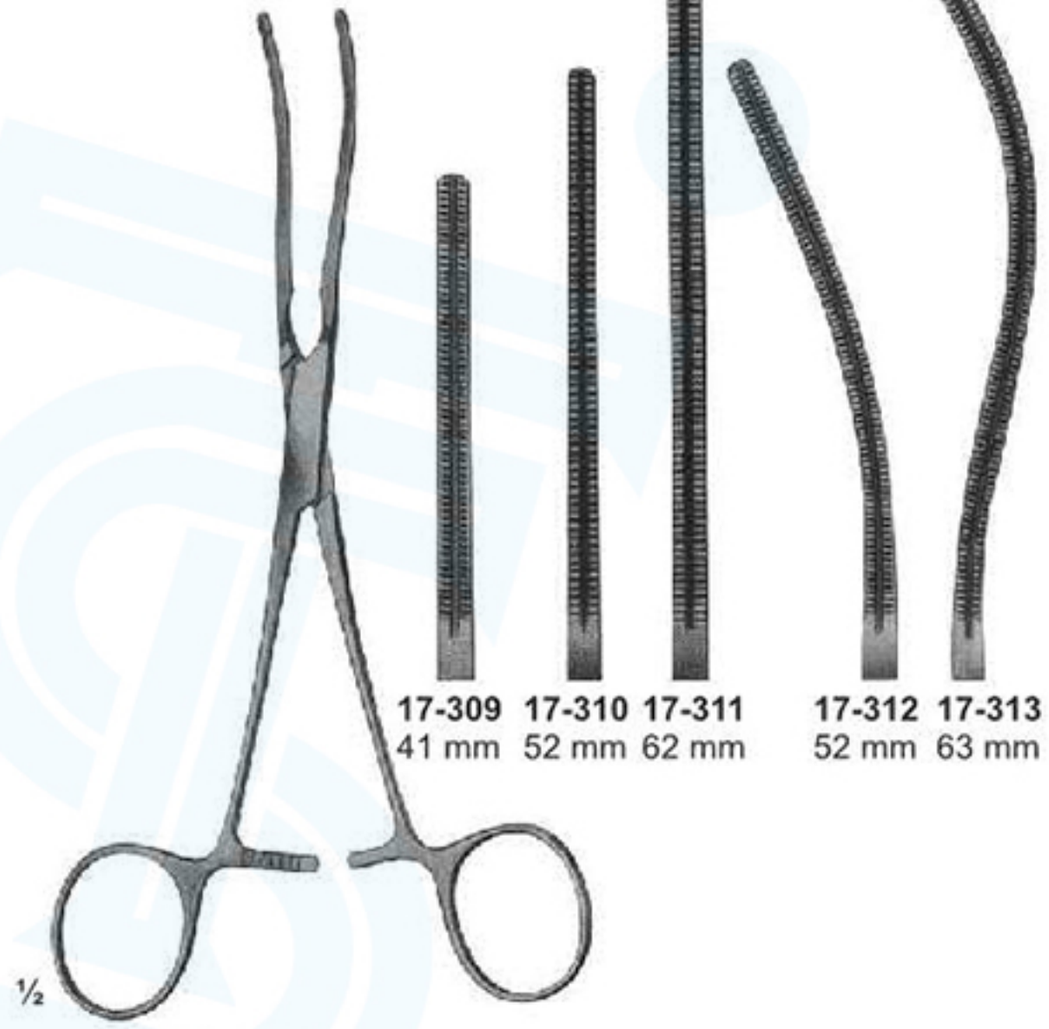



**17-307**
COOLEY
190 mm

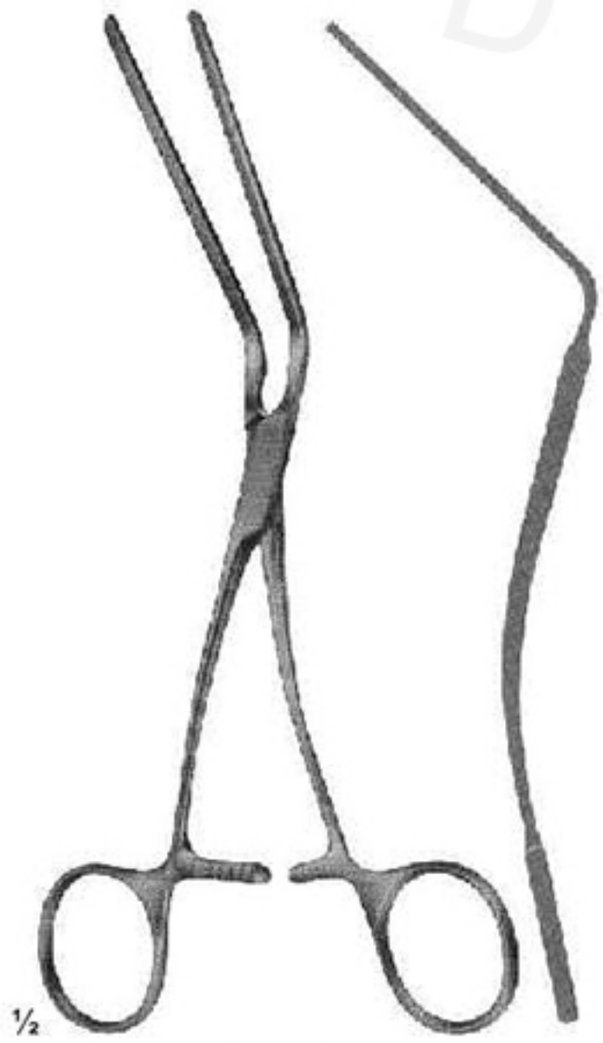
# Aorta-Anastomosis Clamps



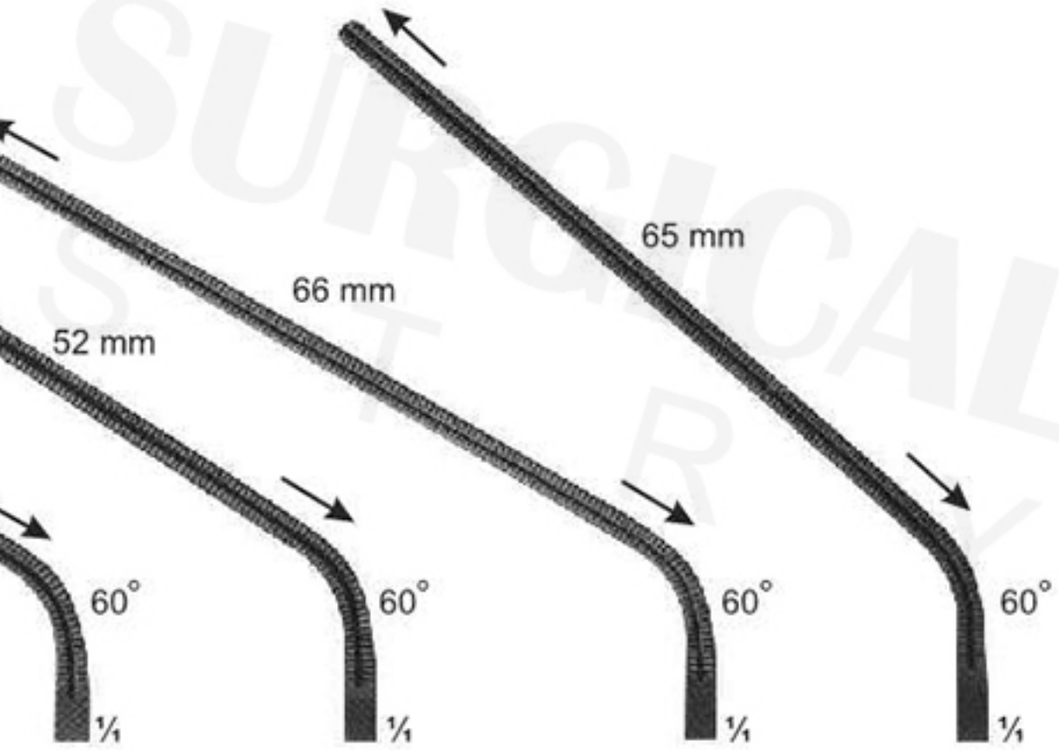

**17-308**
PARRY-COOLEY
185 mm




**17-309 - 313**
COOLEY
160 mm, 170 mm, 180 mm




**17-314 - 317**
165 mm, 170 mm,
185 mm, 185 mm




**17-314**
57 mm

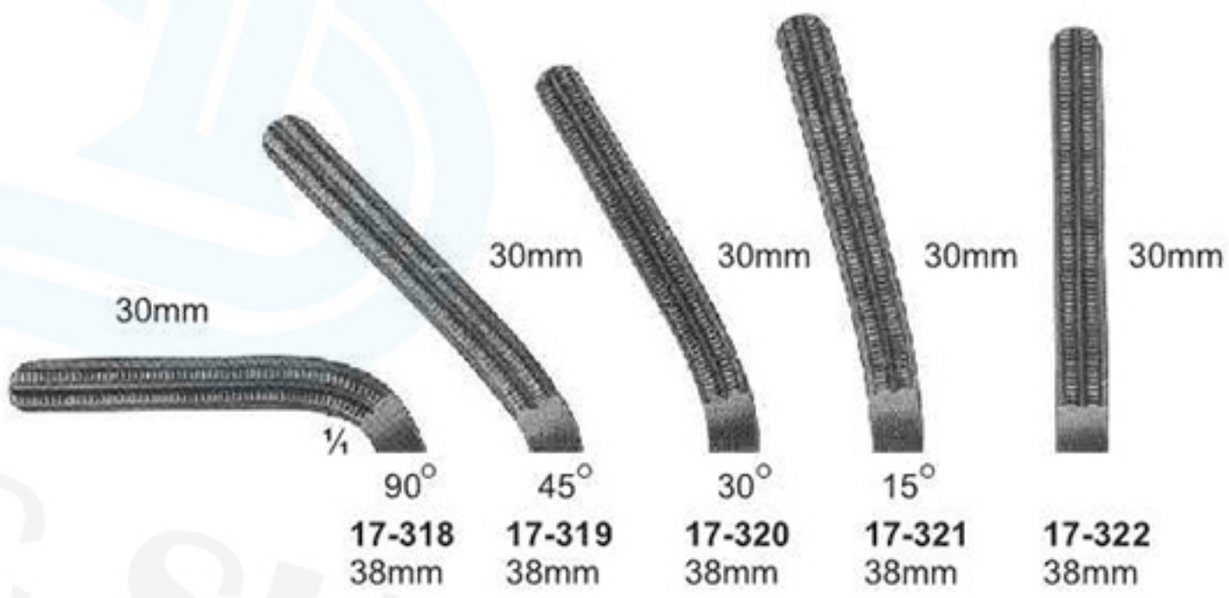
**17-315**
67 mm

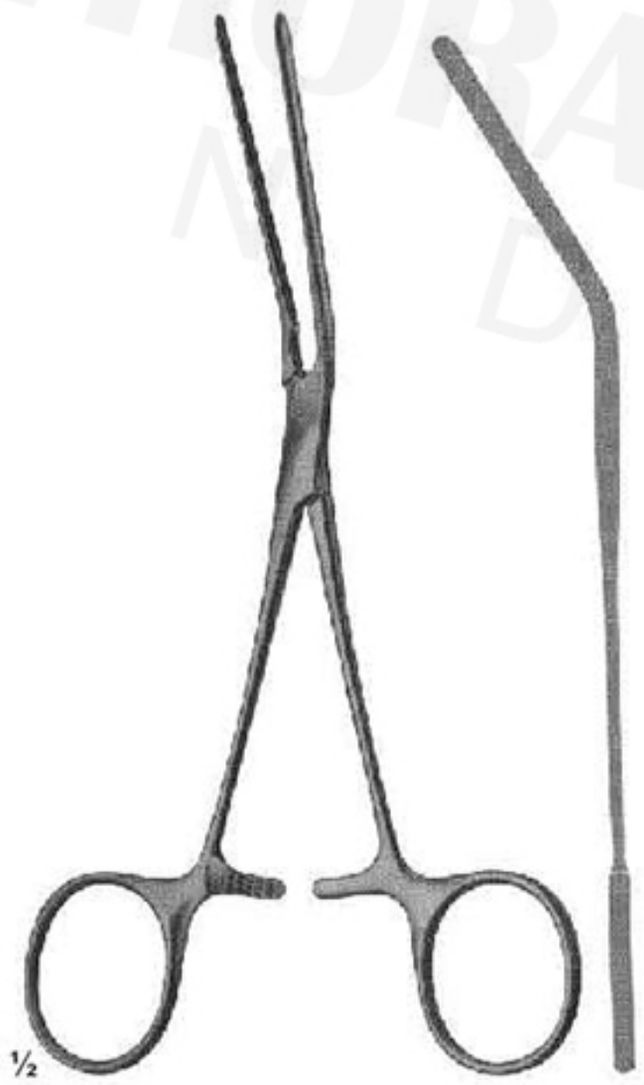
**17-316**
82 mm

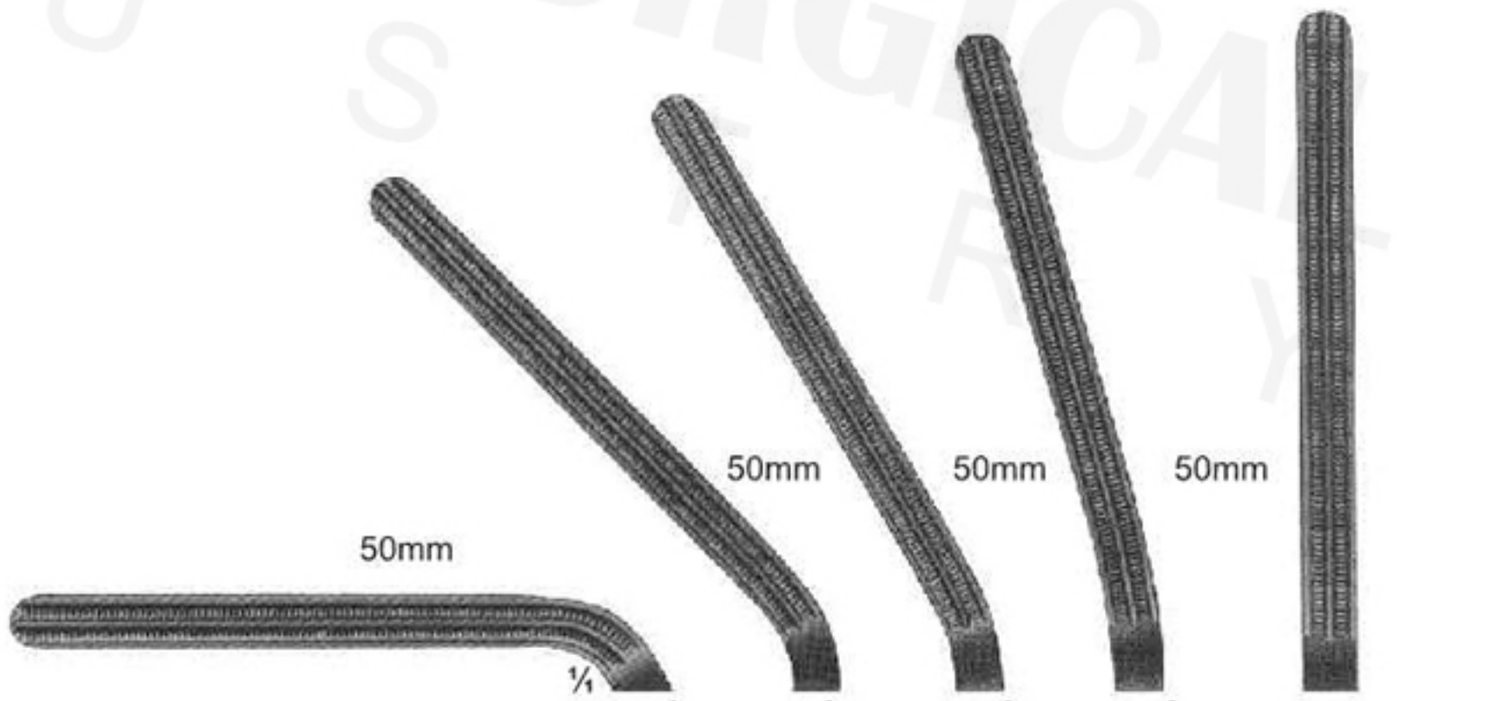
**17-317**
80 mm

THORACIC SURGICAL INDUSTRY

# 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 |

THORACIC SURGICAL INSTRUMENTS

# Multi-Purpose Clamps



**17-328**
WILLIAMS
160 mm



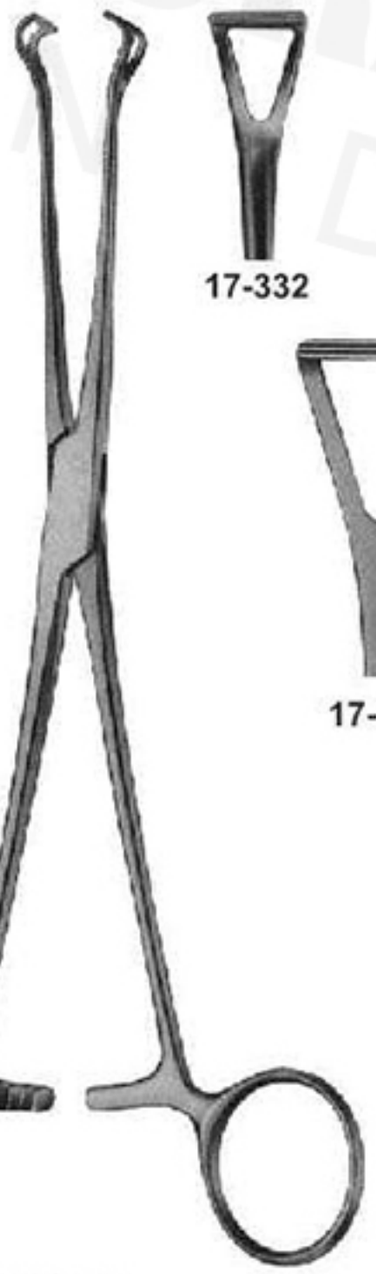
**17-329**
TUTTLE
230 mm



**17-330**
NELSON
230 mm



**17-331**
DUVAL
230 mm



**17-332**



**17-333**



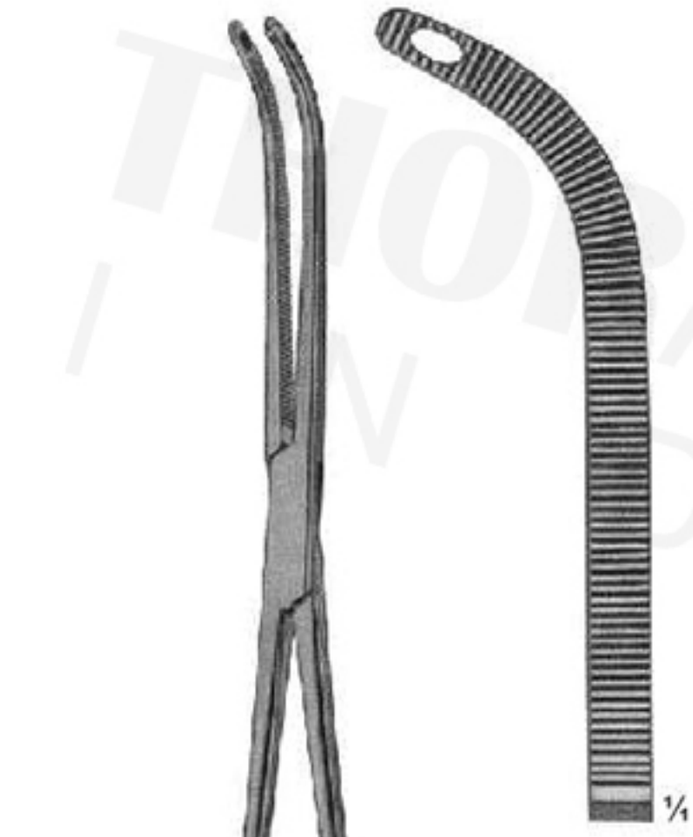
**17-334**

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

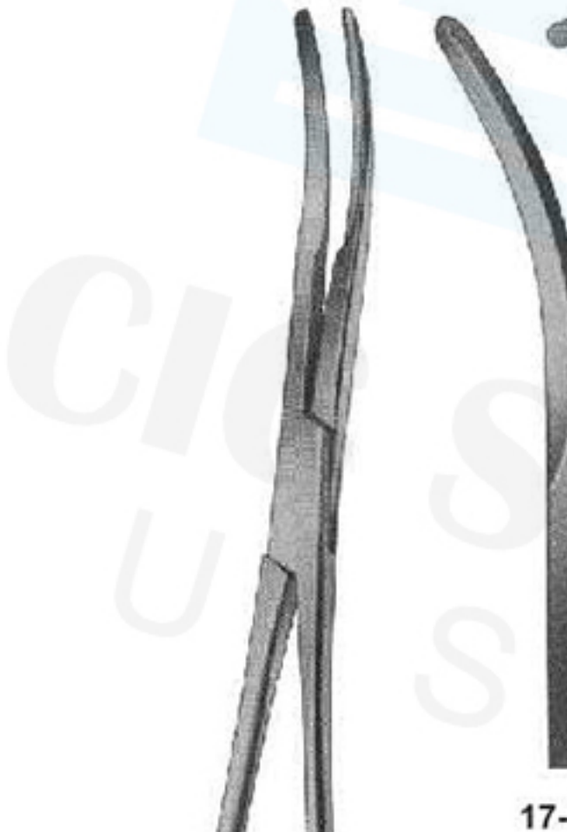


**17-335**
ALLIS
220 mm

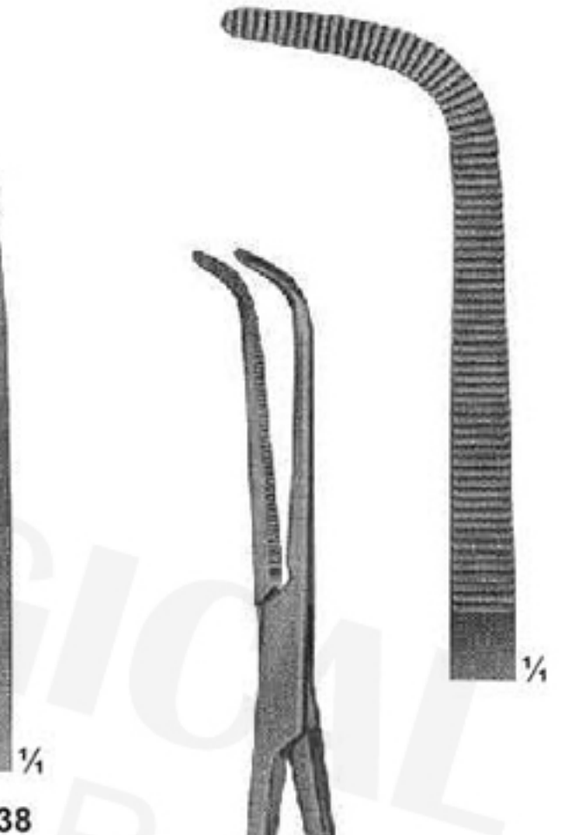
# Multi-Purpose Clamps




**17-336**
FINOCHIETTO
245 mm

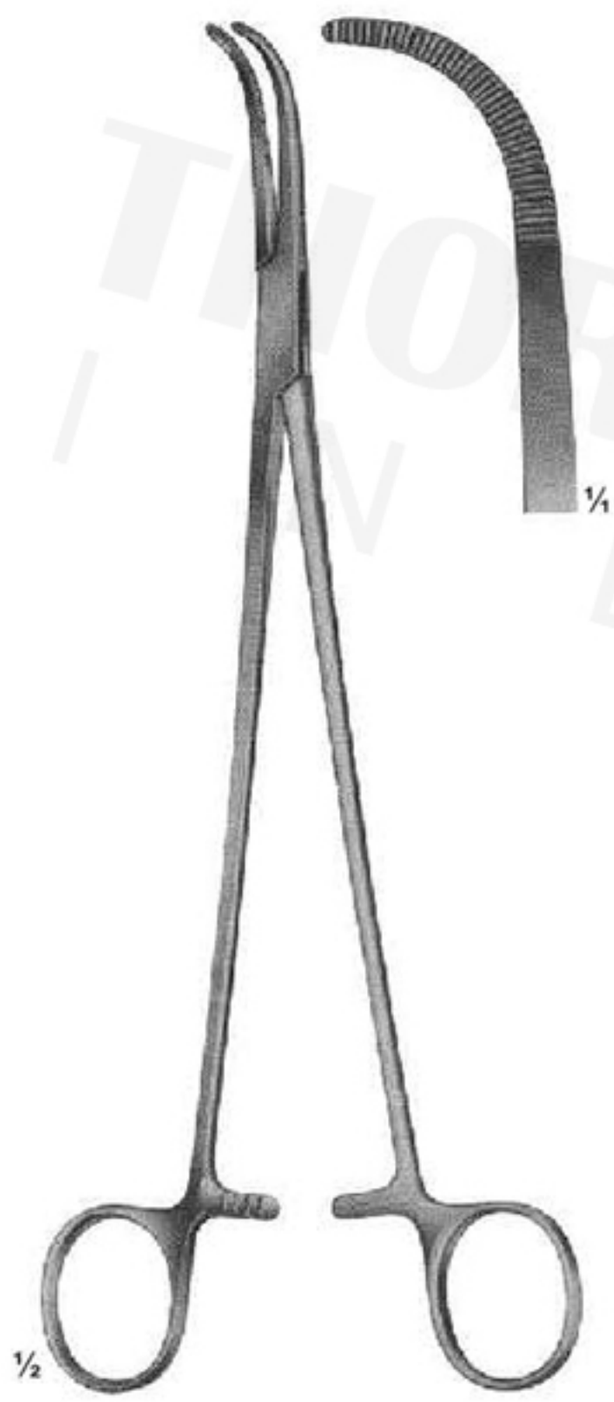



**17-337 - 338**
SEMB
244 mm




**17-339**
WIKSTROEM
205 mm

# Multi-Purpose Clamps

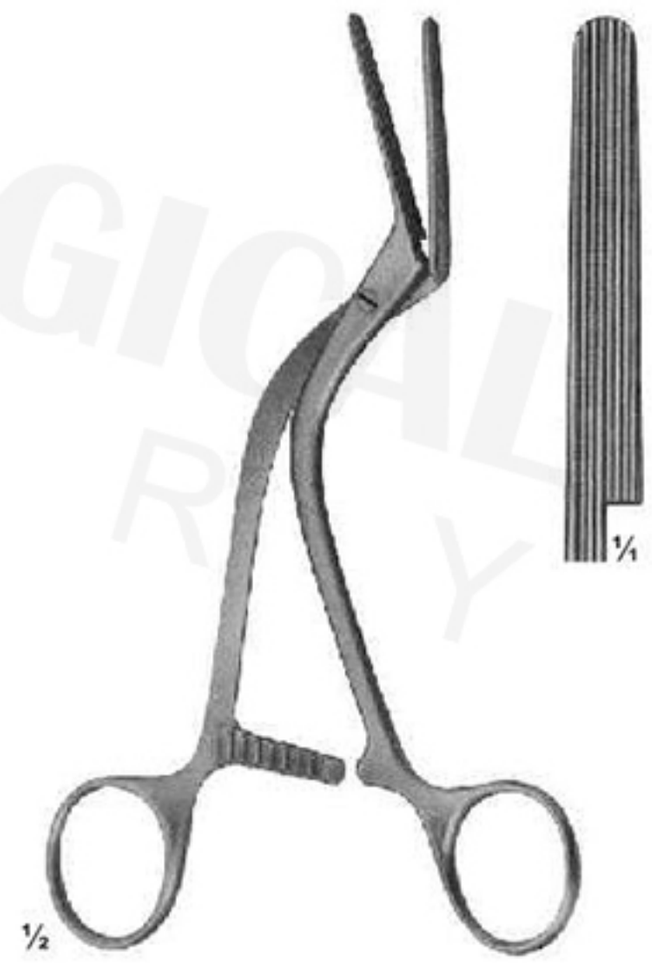



**17-340**
MIXTER
230 mm




**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



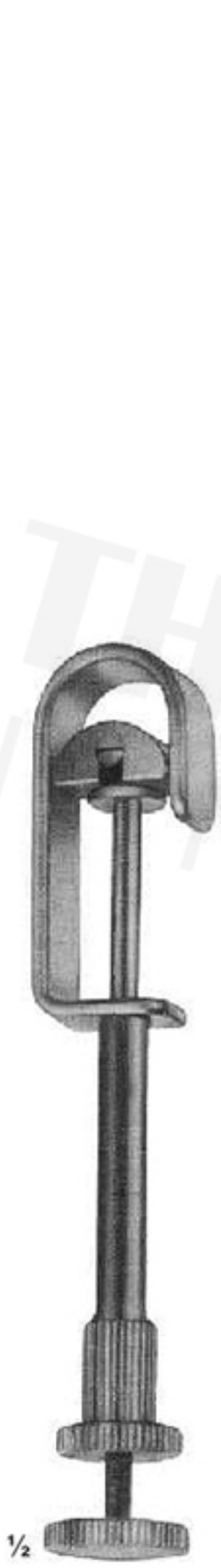

**17-345**
SATINSKY
265 mm




**17-346**
HARKEN
240 mm

THORACIC SURGICAL INDUSTRY

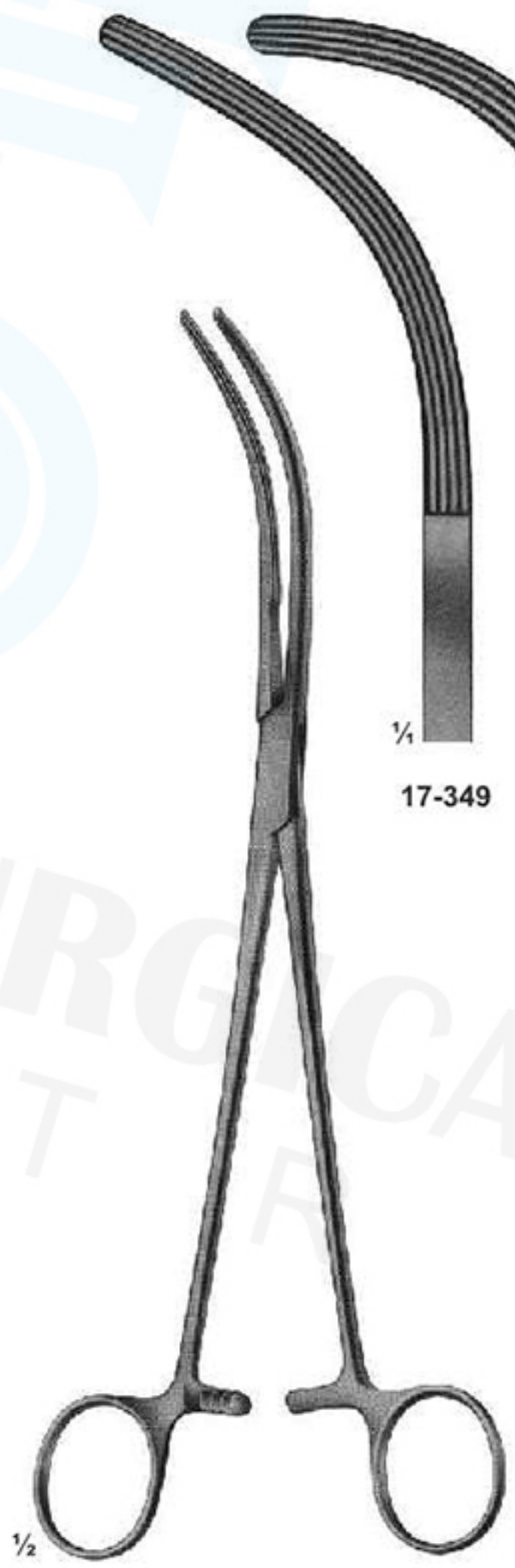
# Multi-Purpose Clamps



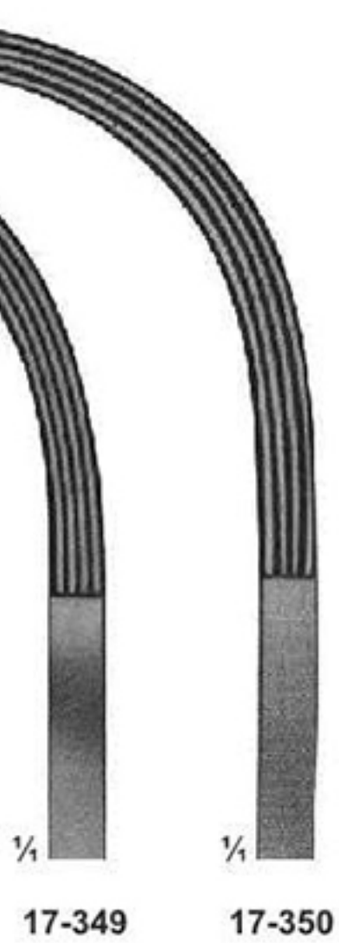

**17-347**
PERTUISET
Carotid Clamp
90 mm




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




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




**17-349** **17-350**

THORACIC INDUSTRY SURGICAL

# Multi-Purpose Clamps



½

**17-351**
PRICE THOMAS
225 mm



½

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



½

**17-352**
jaws with pins



½

**17-353**
jaws with pins

# Rib Shears




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




**17-355**
LEBSCHE
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

THORACIC SURGICAL INSTRUMENTS

# Rib Holding Forceps, Bone Cutting Forceps



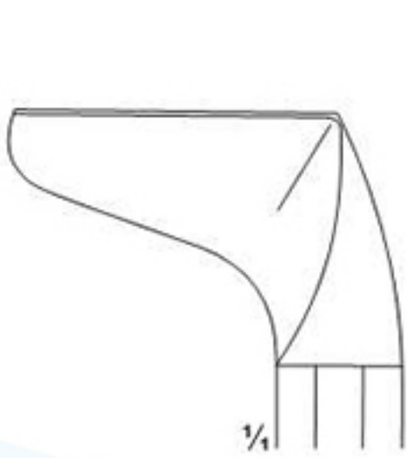

**17-362**
SEMB
Rib-and Bone
Holding forceps
190 mm

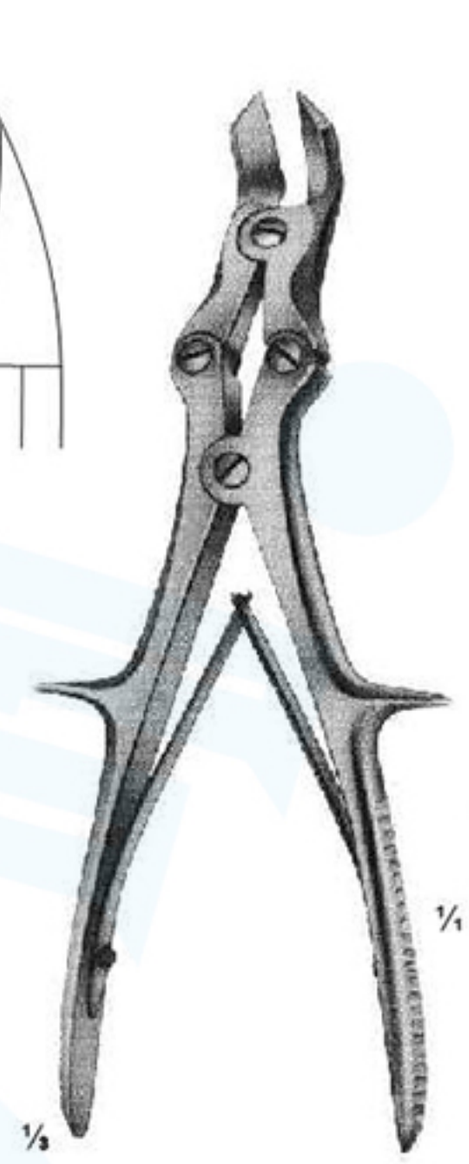


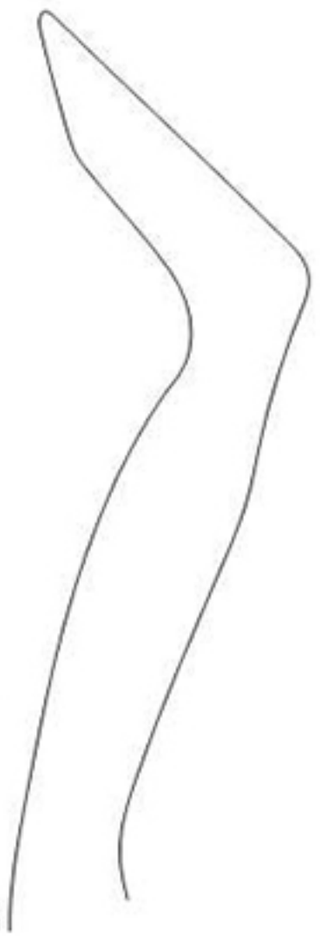

**17-363**
SEMB
Rib-and Bone
Holding forceps
190 mm




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



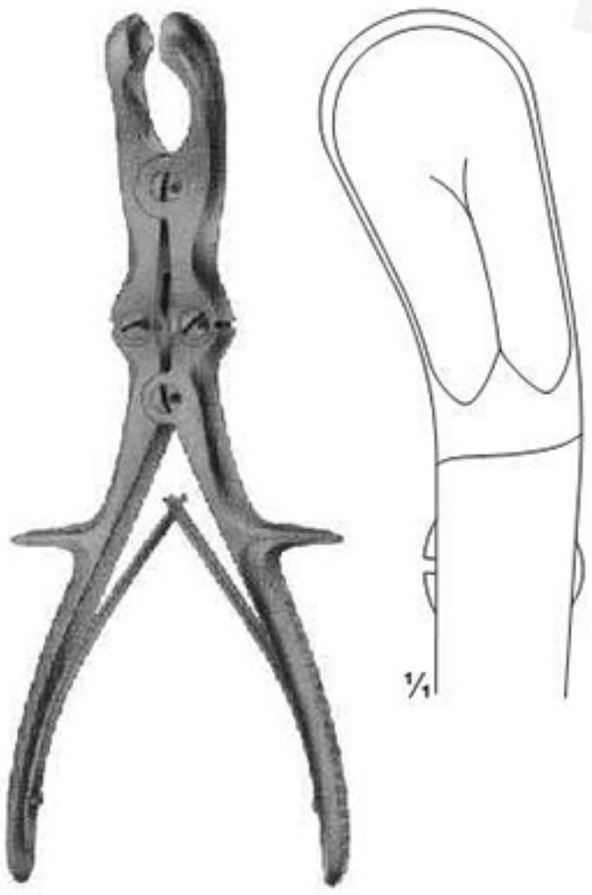




**17-365**
LISTON-KEY-HORSLEY
255 mm



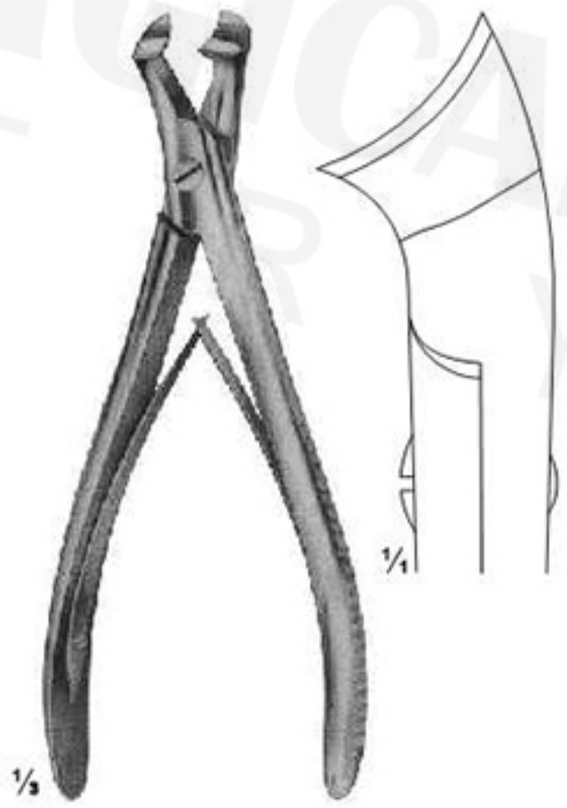

**17-367** **17-368**




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




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




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

# Rib Raspatories







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




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

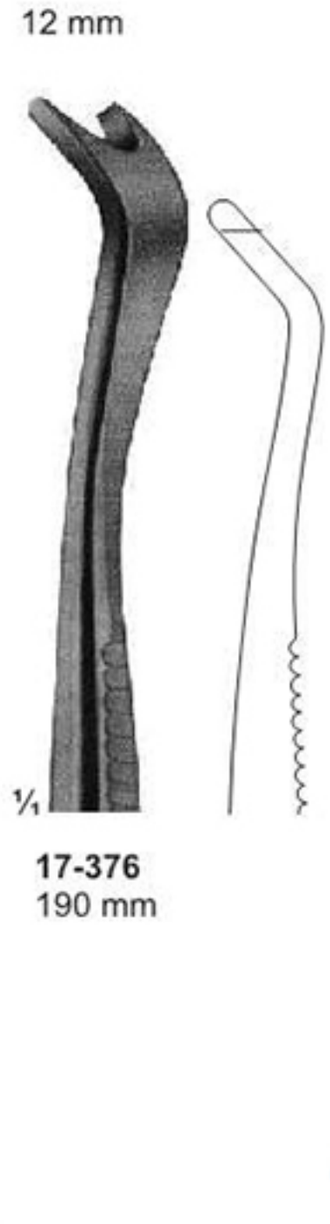



**17-374 - 375**
DOYEN
240 mm

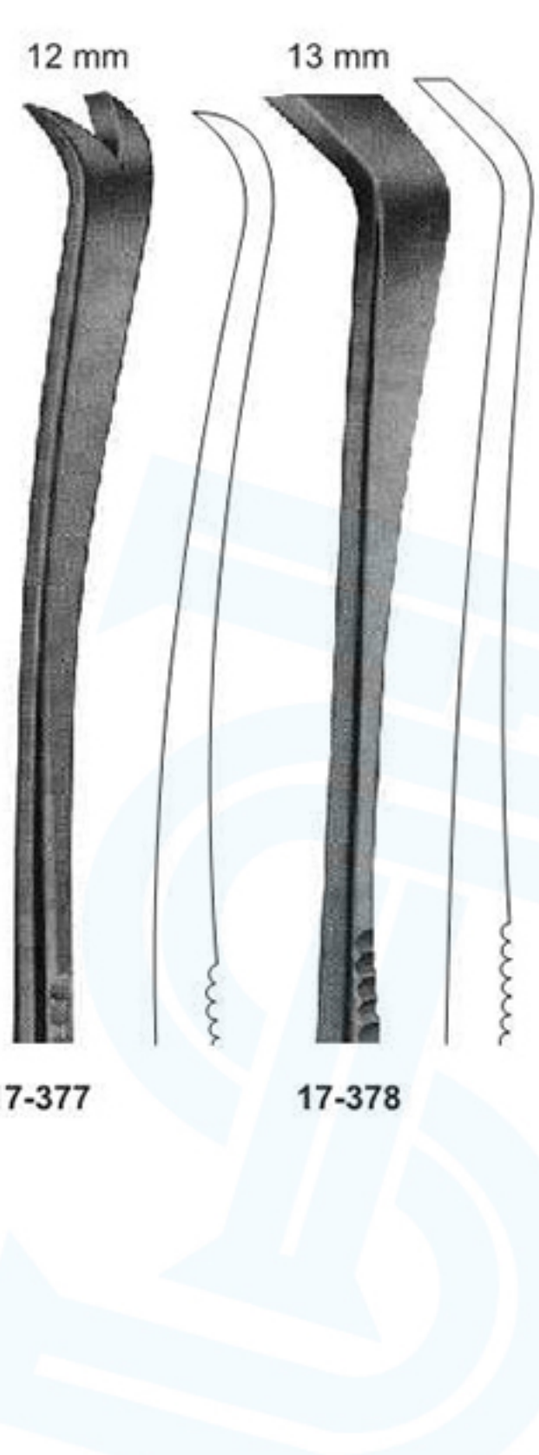
# Rib Raspatories



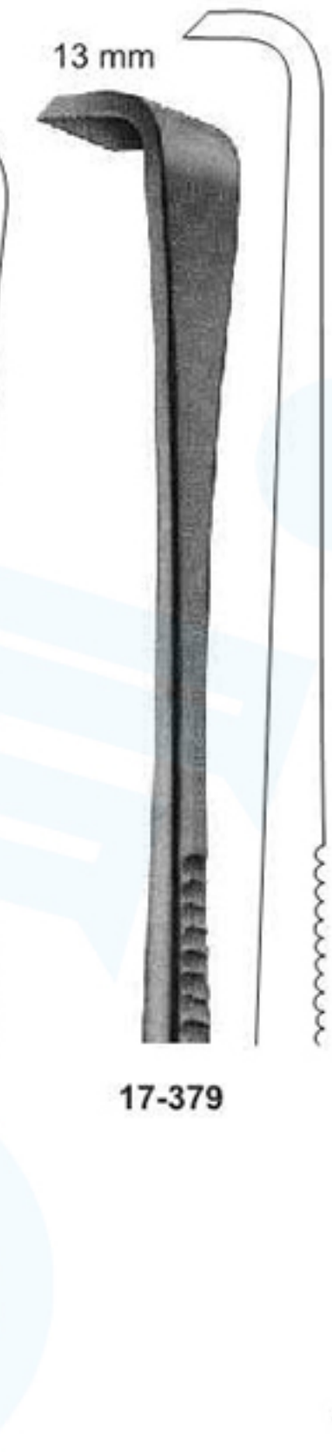

**17-376 - 380**
SEMB
230 mm



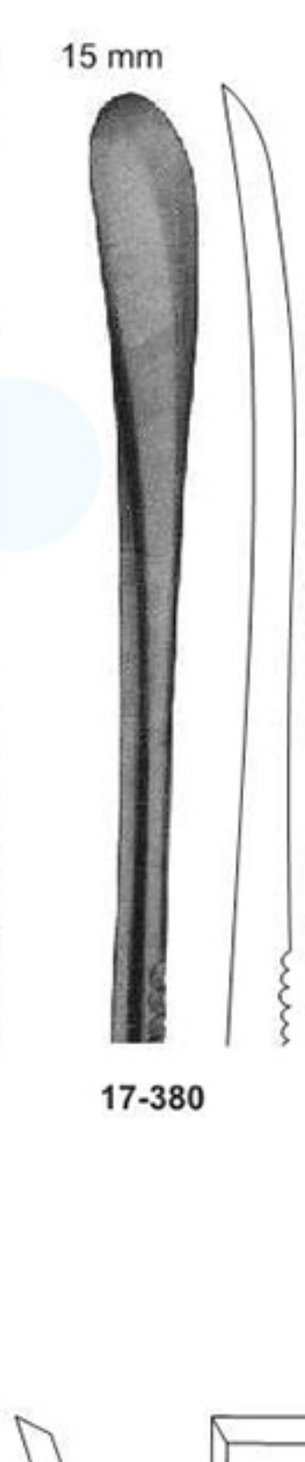

**17-376**
190 mm




**17-377**

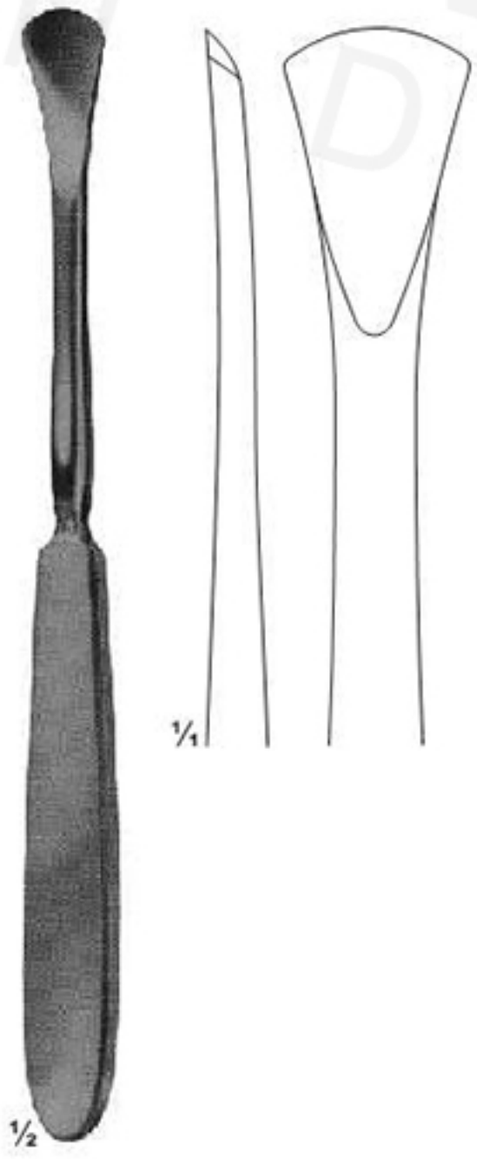



**17-378**

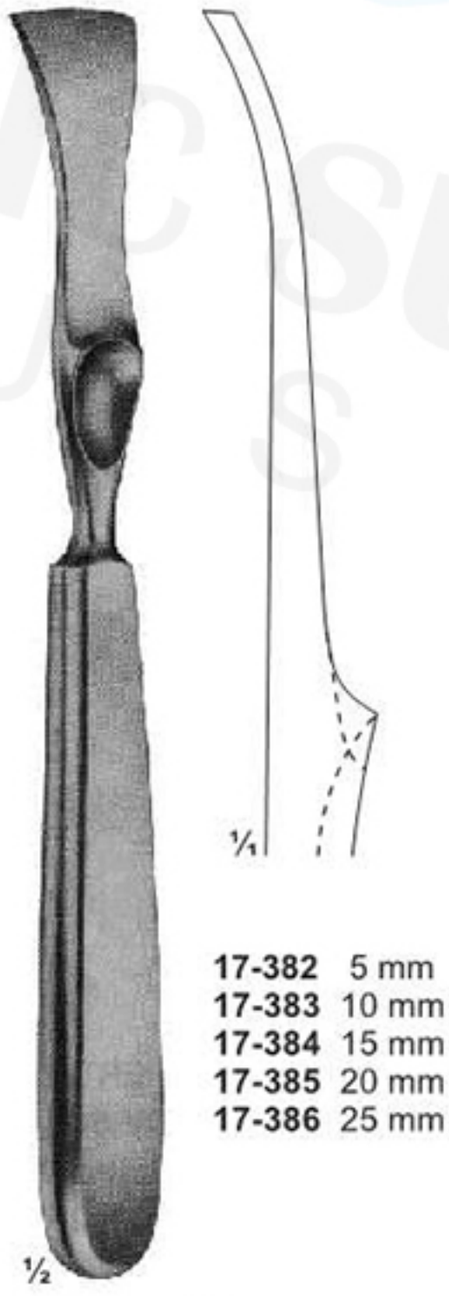



**17-379**

**17-380**

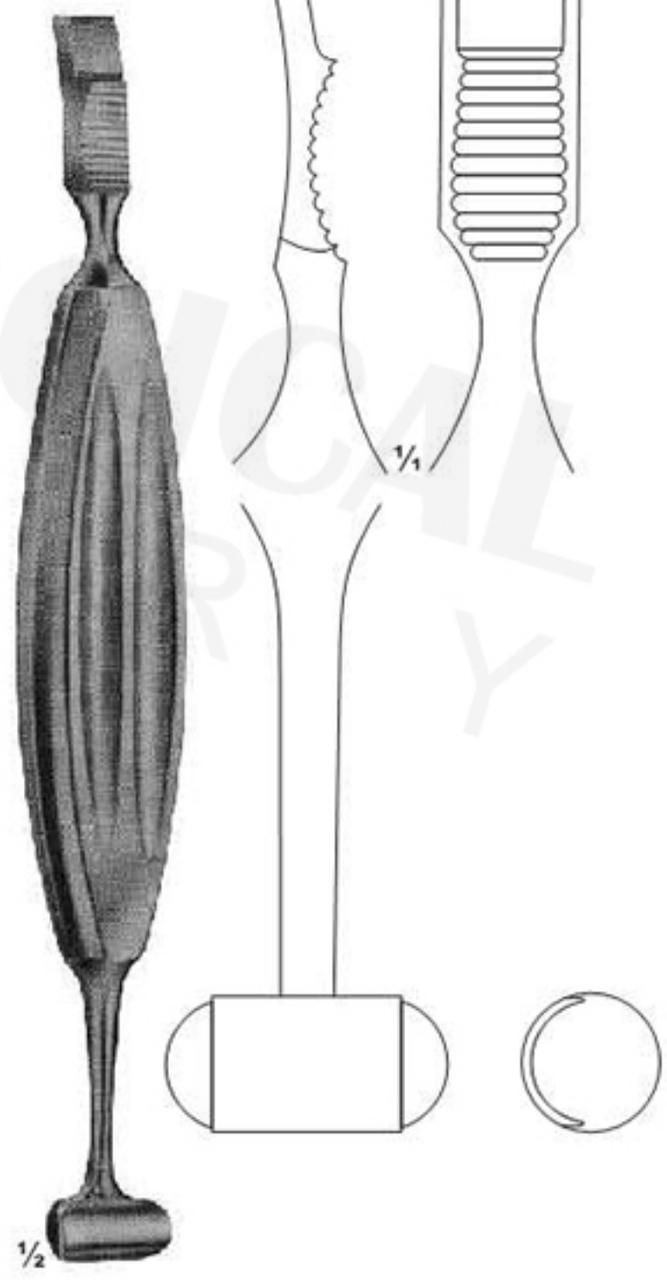



**17-381**
LANGENBECK
190 mm



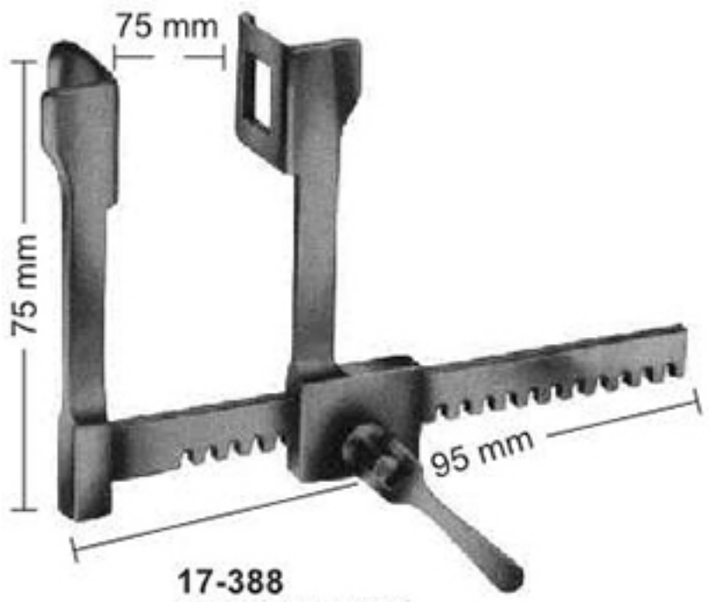

**17-382** 5 mm
**17-383** 10 mm
**17-384** 15 mm
**17-385** 20 mm
**17-386** 25 mm

**17-382 - 386**
LAMBOTTE
215 mm

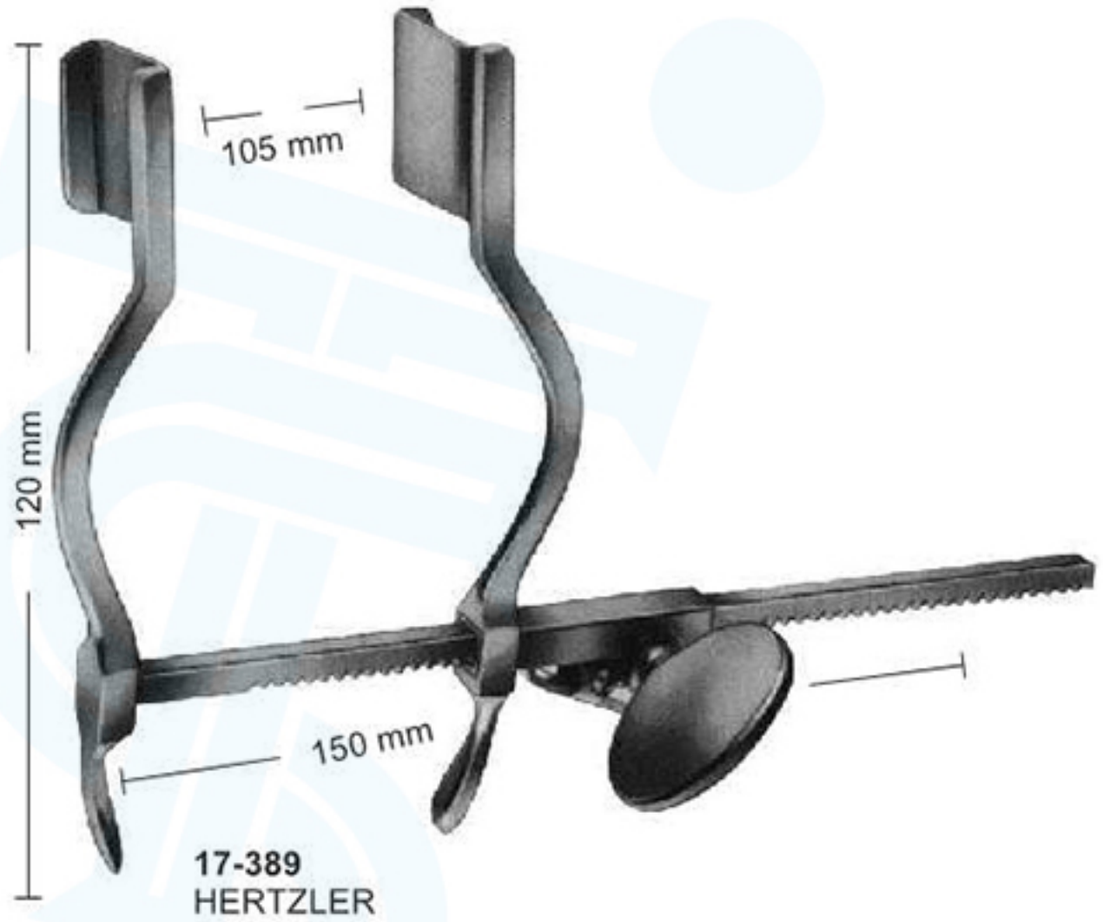



**17-387**
ALEXANDER
210 mm

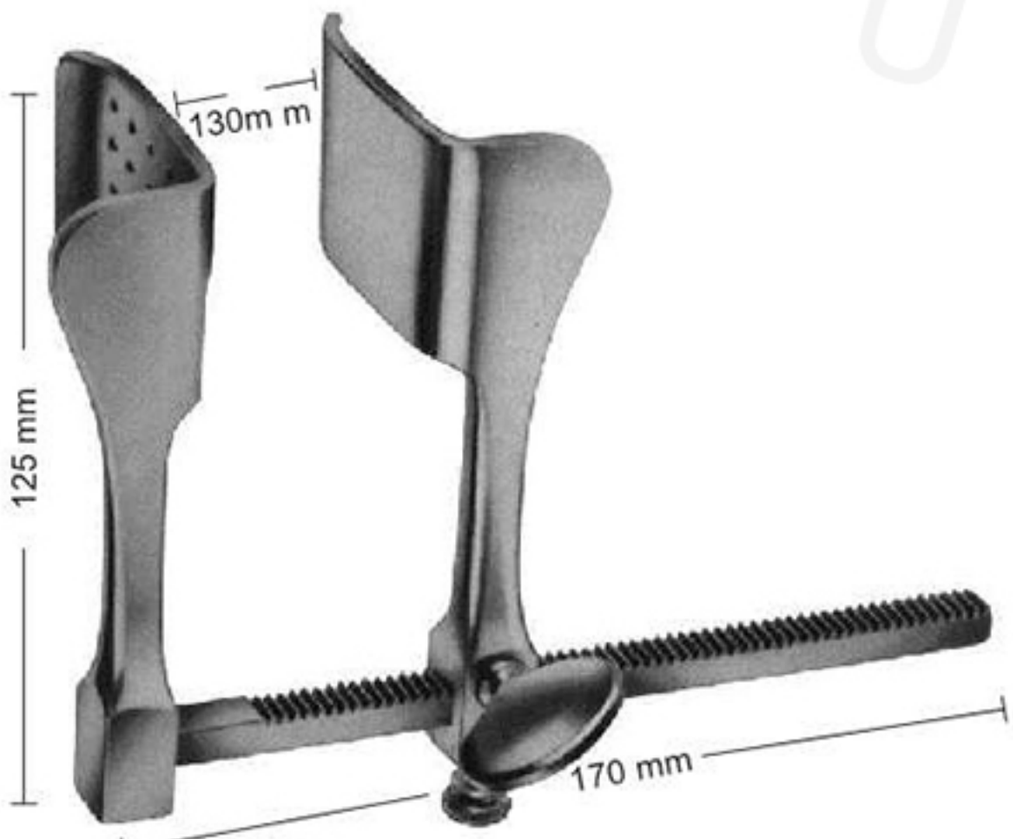
# Rib Spreaders



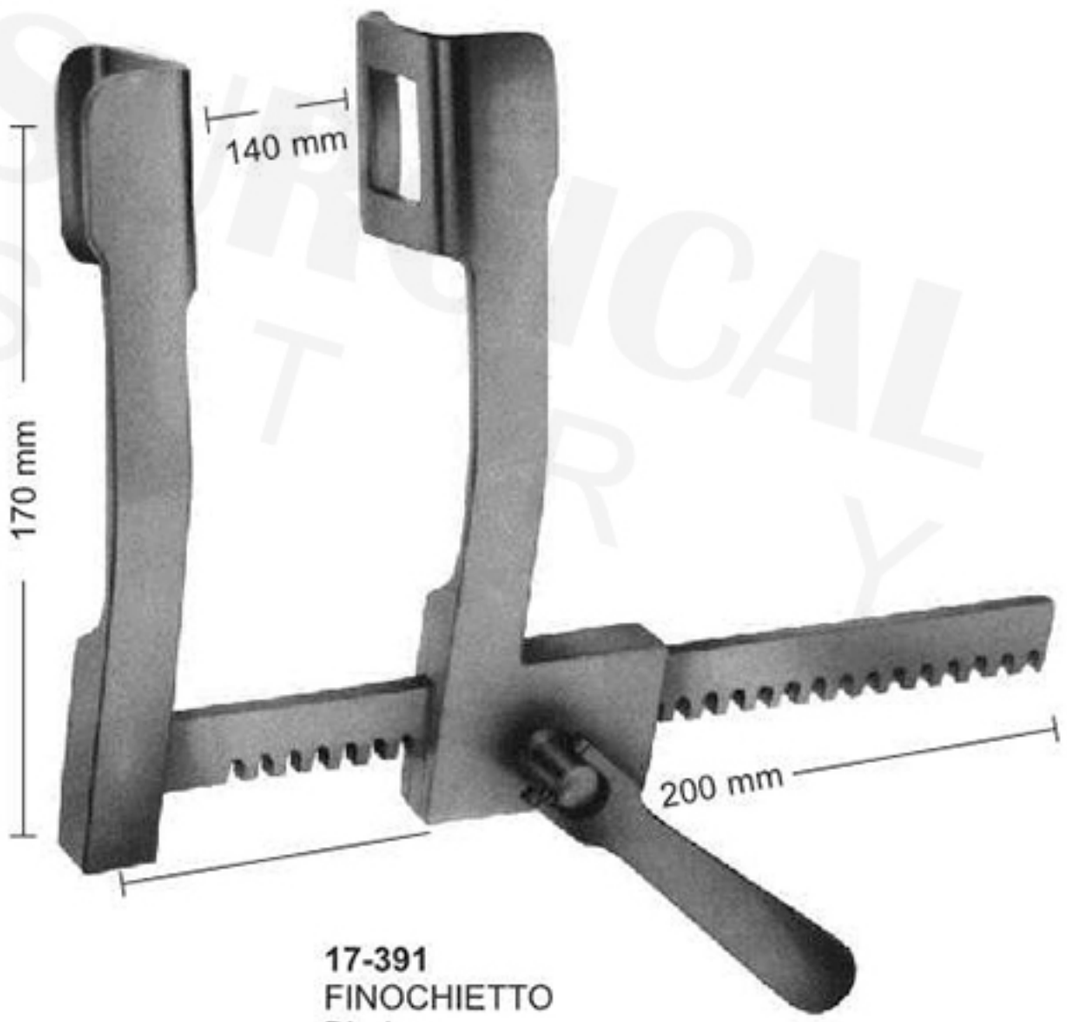

**17-388**
FINOCHIETTO
18X21 mm




**17-389**
HERTZLER
20X25 mm



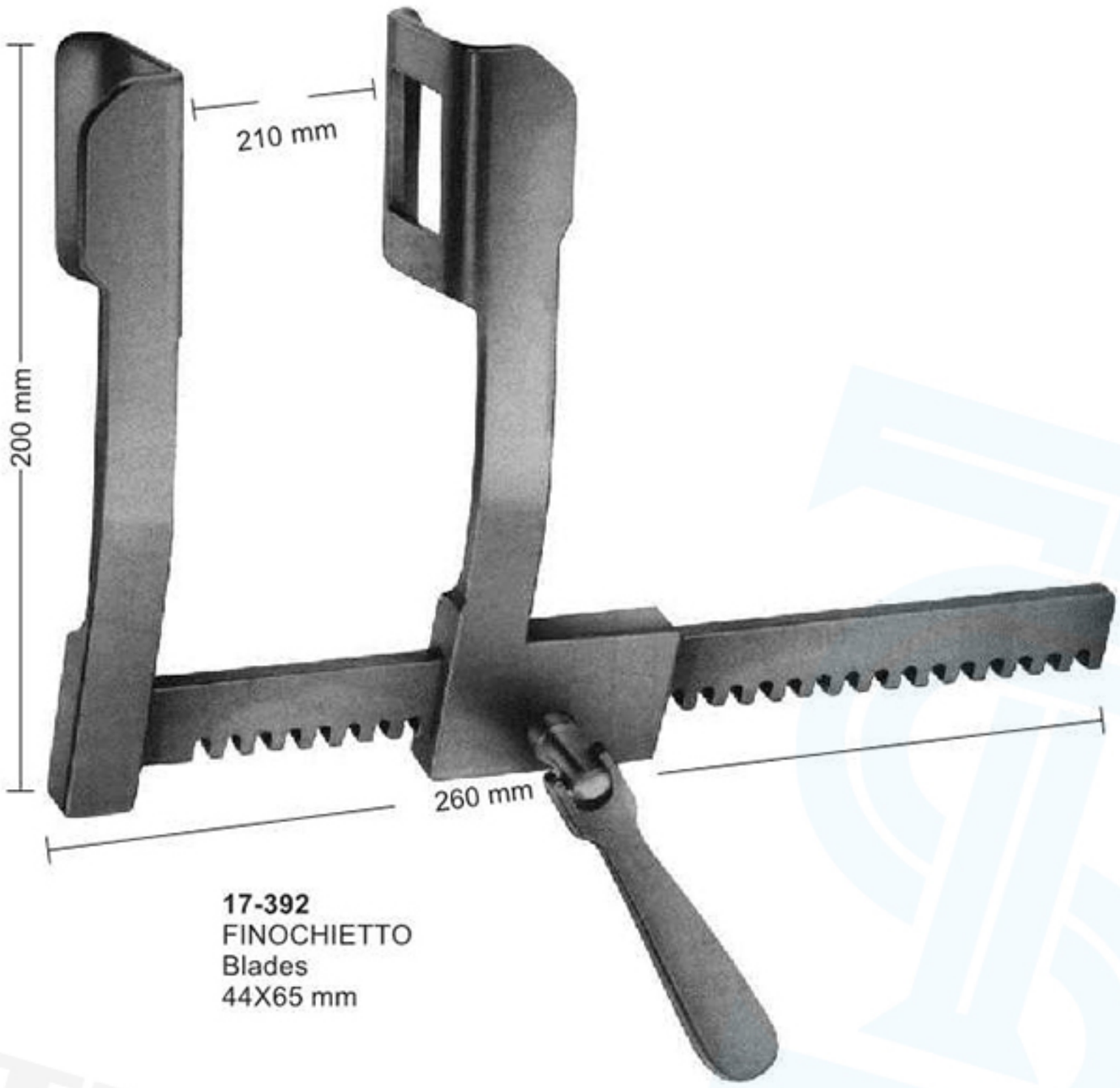

**17-390**
TUFFIER
Blades
43X53 mm




**17-391**
FINOCHIETTO
Blades
36X45 mm

THORACIC SURGICAL INDUSTRY

# Rib Spreaders



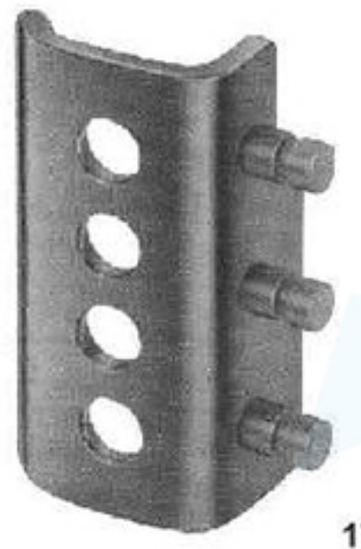

**17-392**
FINOCHIETTO
Blades
44X65 mm




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

THORACIC SURGICAL INSTRUMENTS

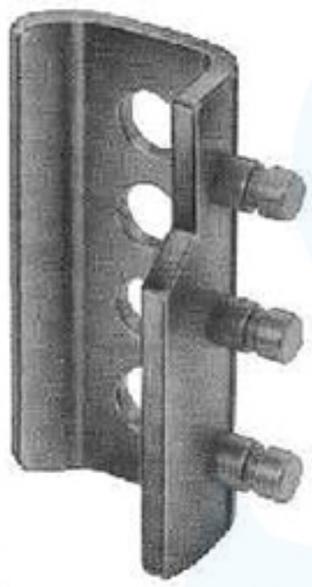
# Rib Spreaders



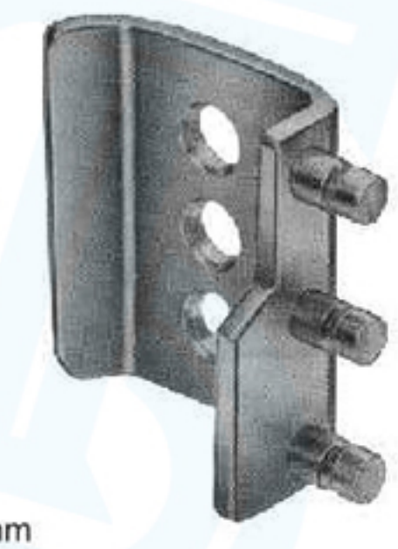
**17-395**
Blades
46x67 mm

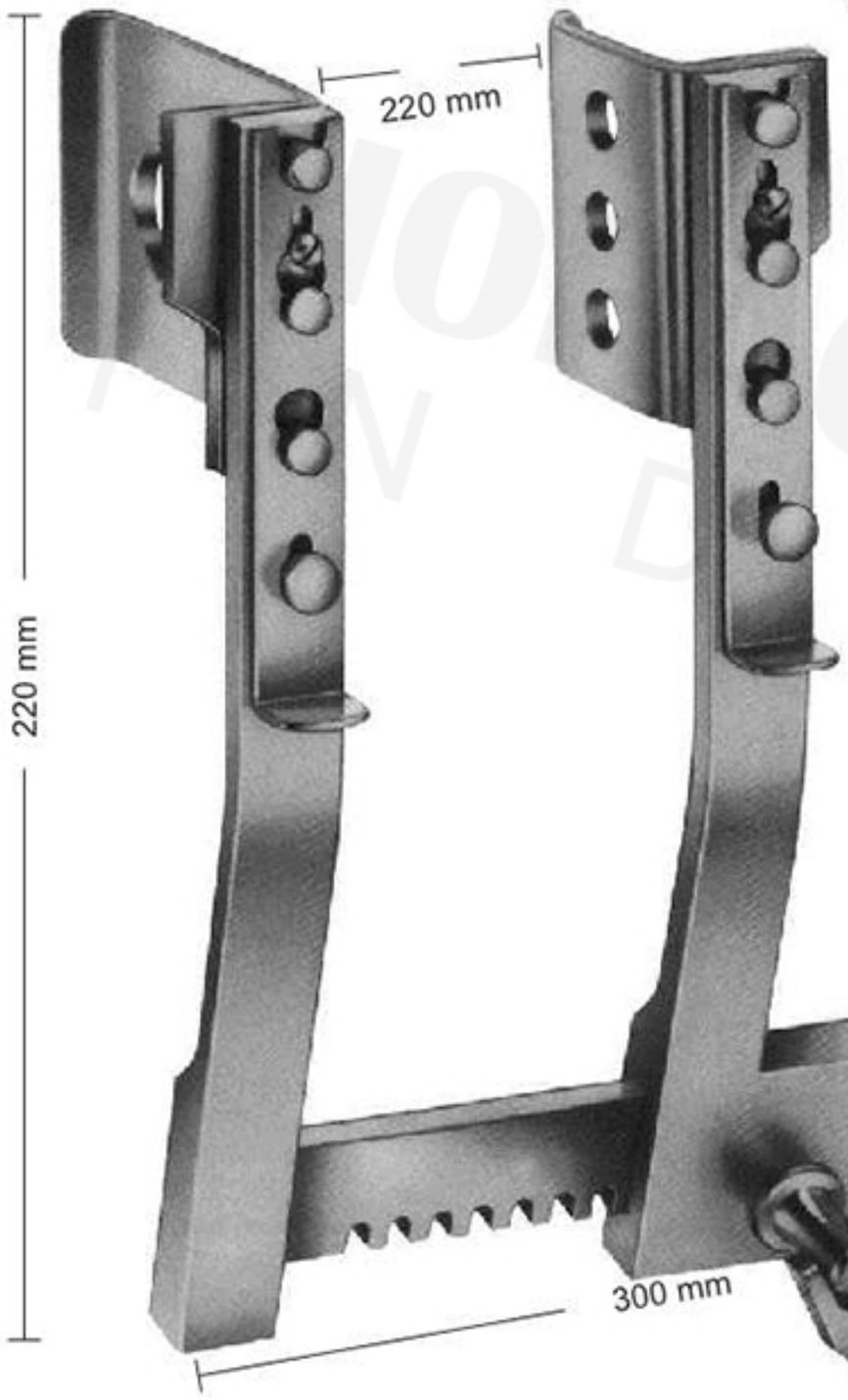


**17-397**
Blades
46x67 mm

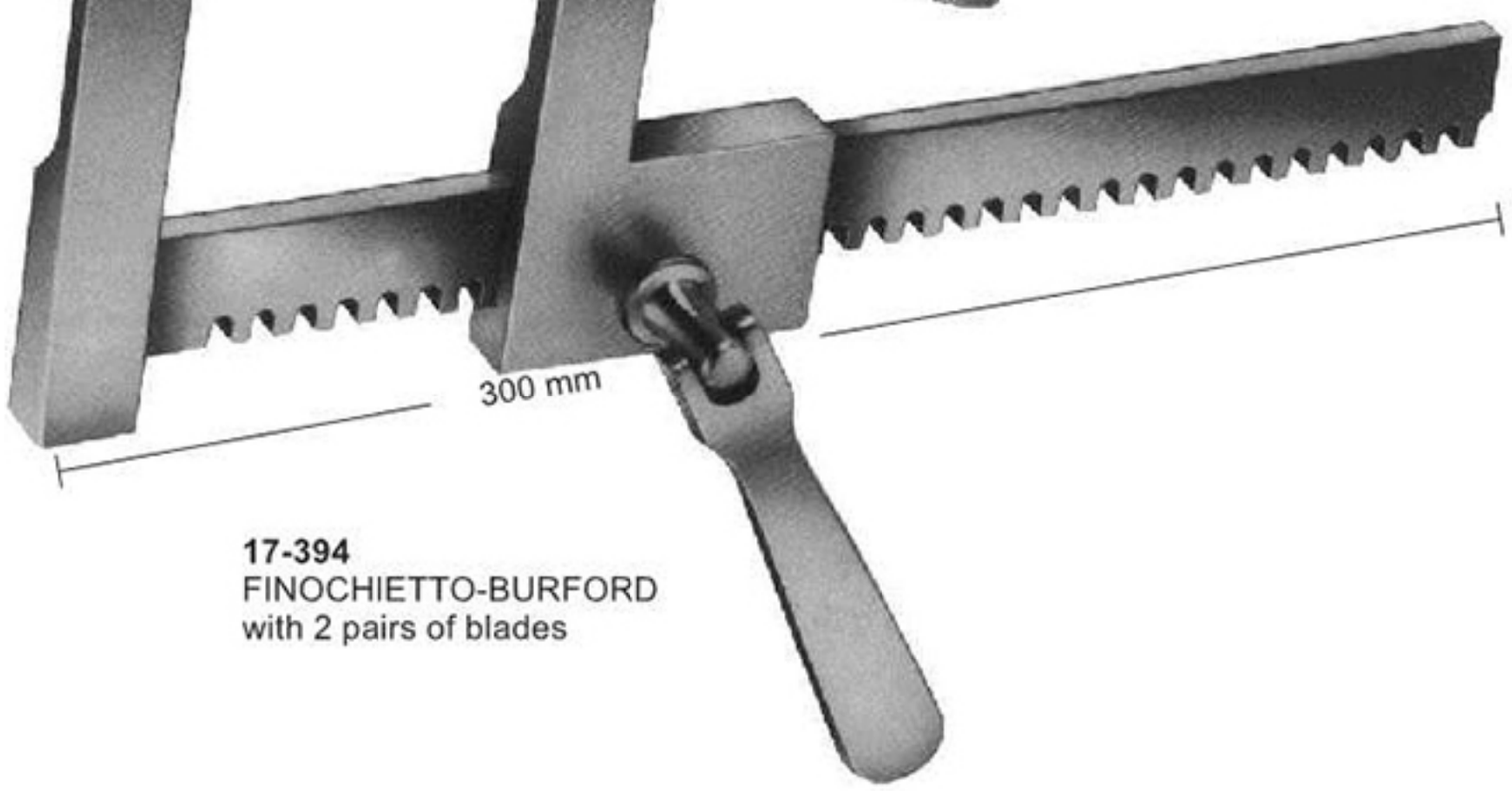


**17-396**
Blades
80x67 mm



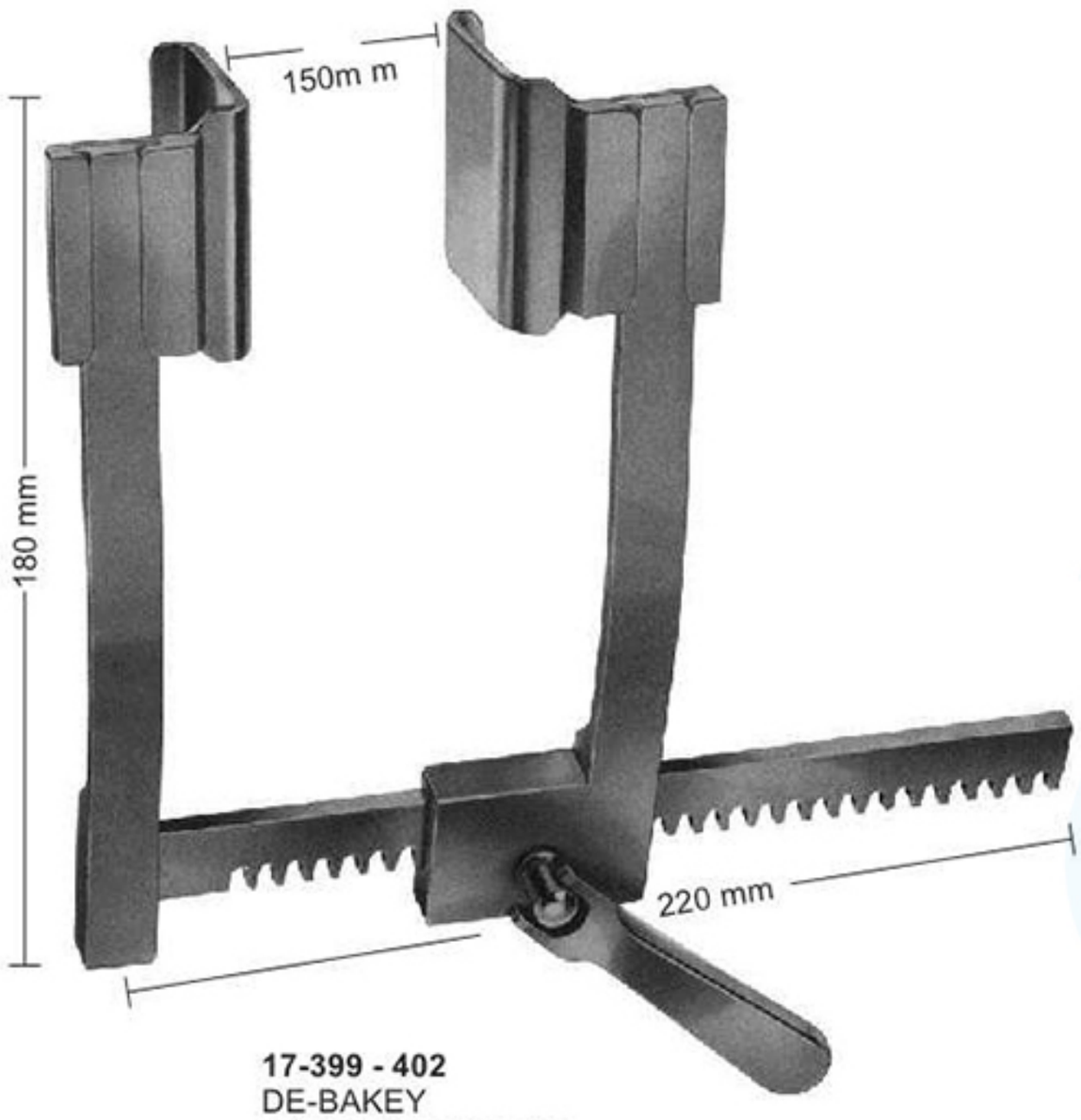



**17-398**
Blade, Only, for preparation
of a. Mammaria, 25.5x80mm

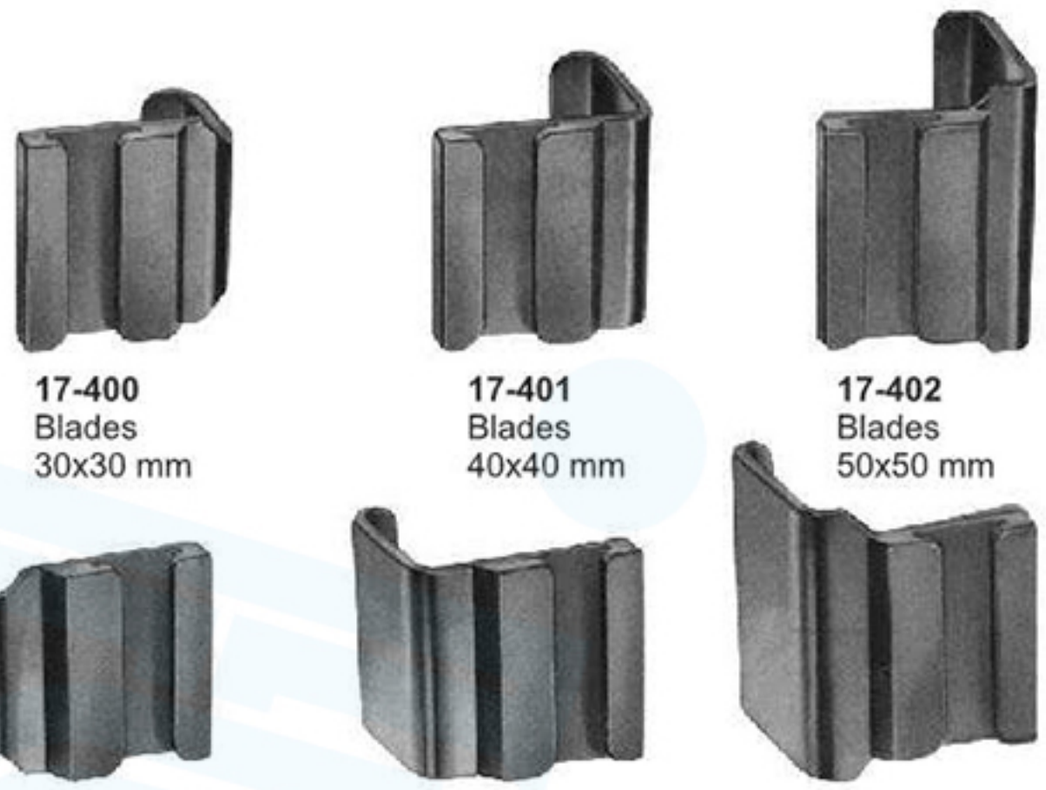



**17-394**
FINOCHIETTO-BURFORD
with 2 pairs of blades

# Rib Spreaders



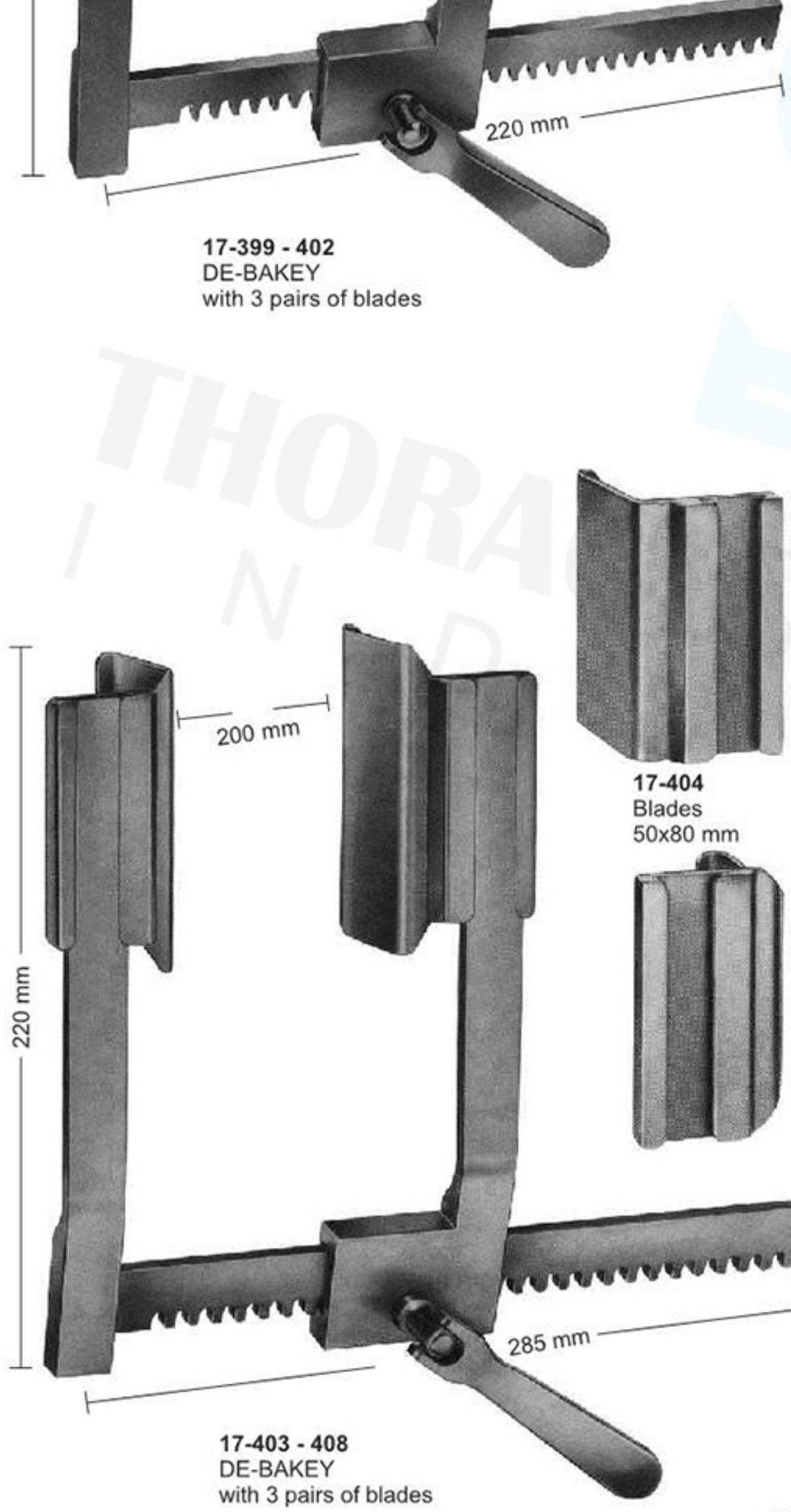

**17-399 - 402**
DE-BAKEY
with 3 pairs of blades



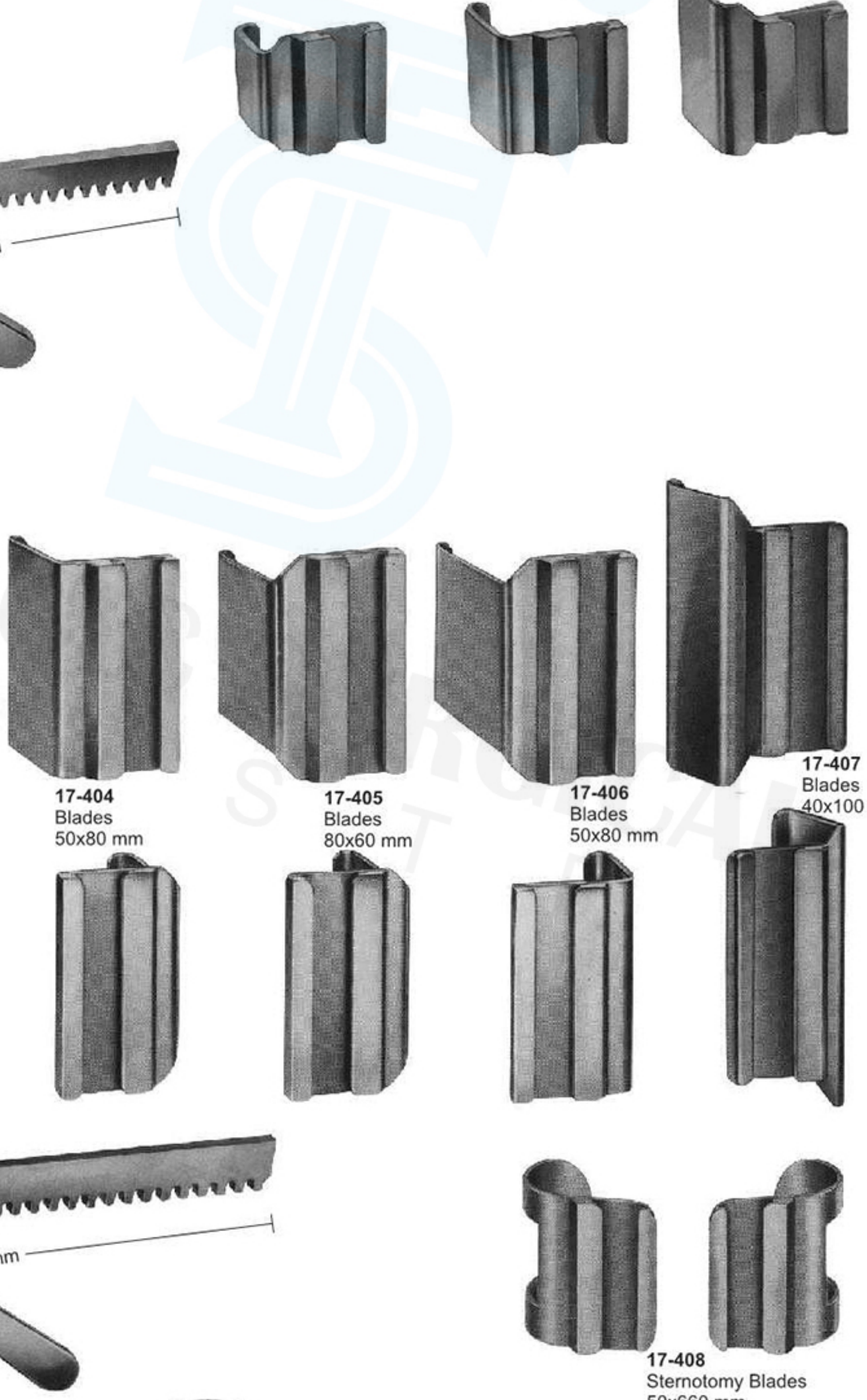
**17-400**
Blades
30x30 mm

**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

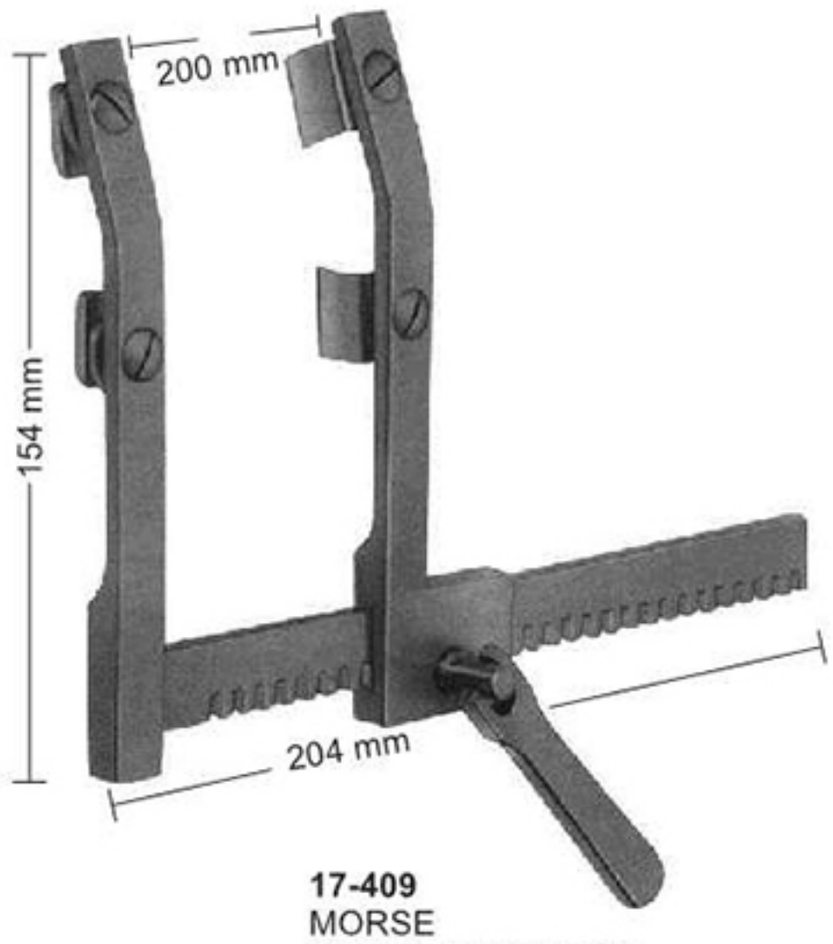
**17-406**
Blades
50x80 mm

**17-407**
Blades
40x100 mm



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

# Sternotomy Spreaders



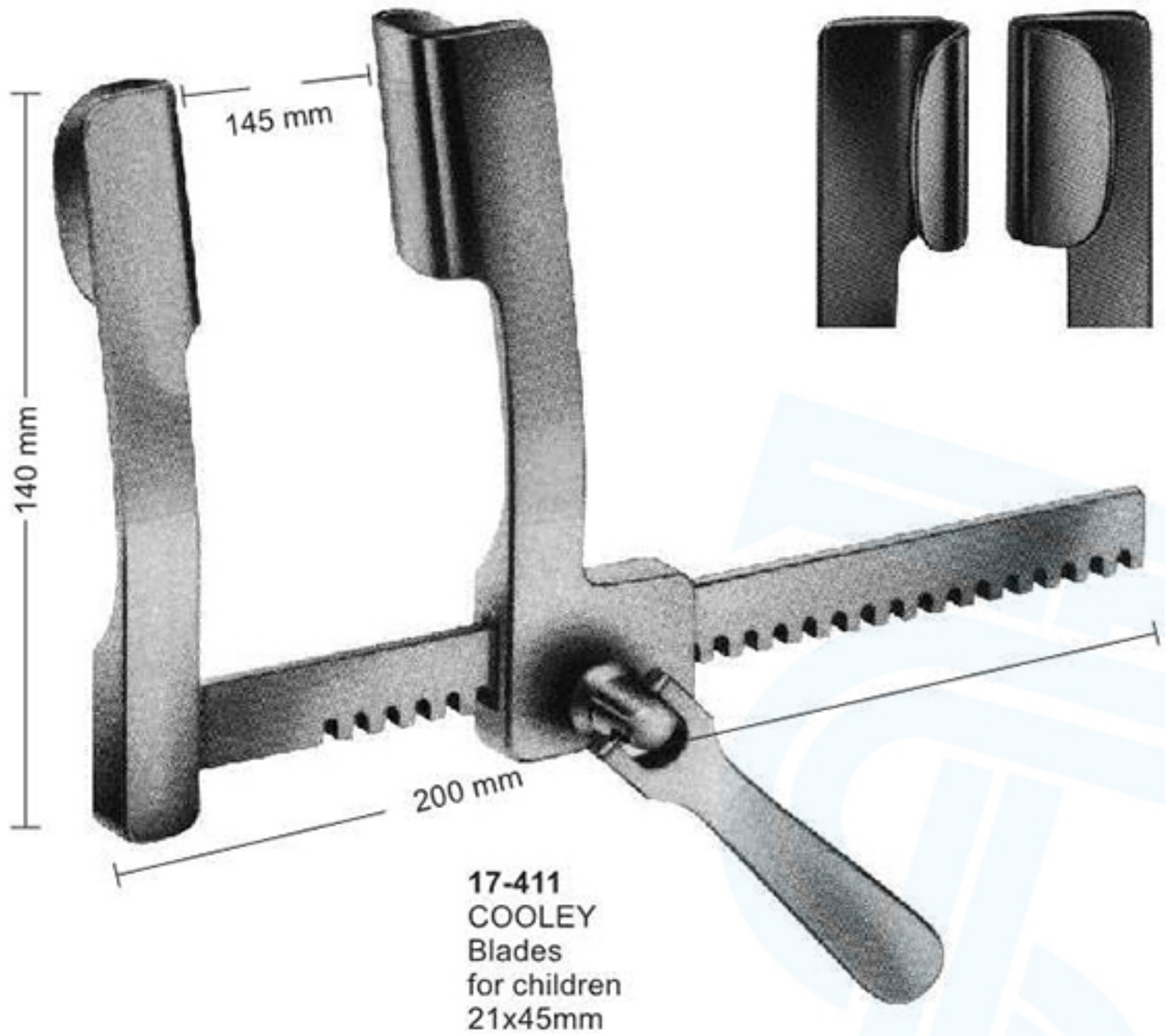

**17-409**
MORSE
Sternotomy spreader
for children, with moveable
double, each blade
12x20 mm



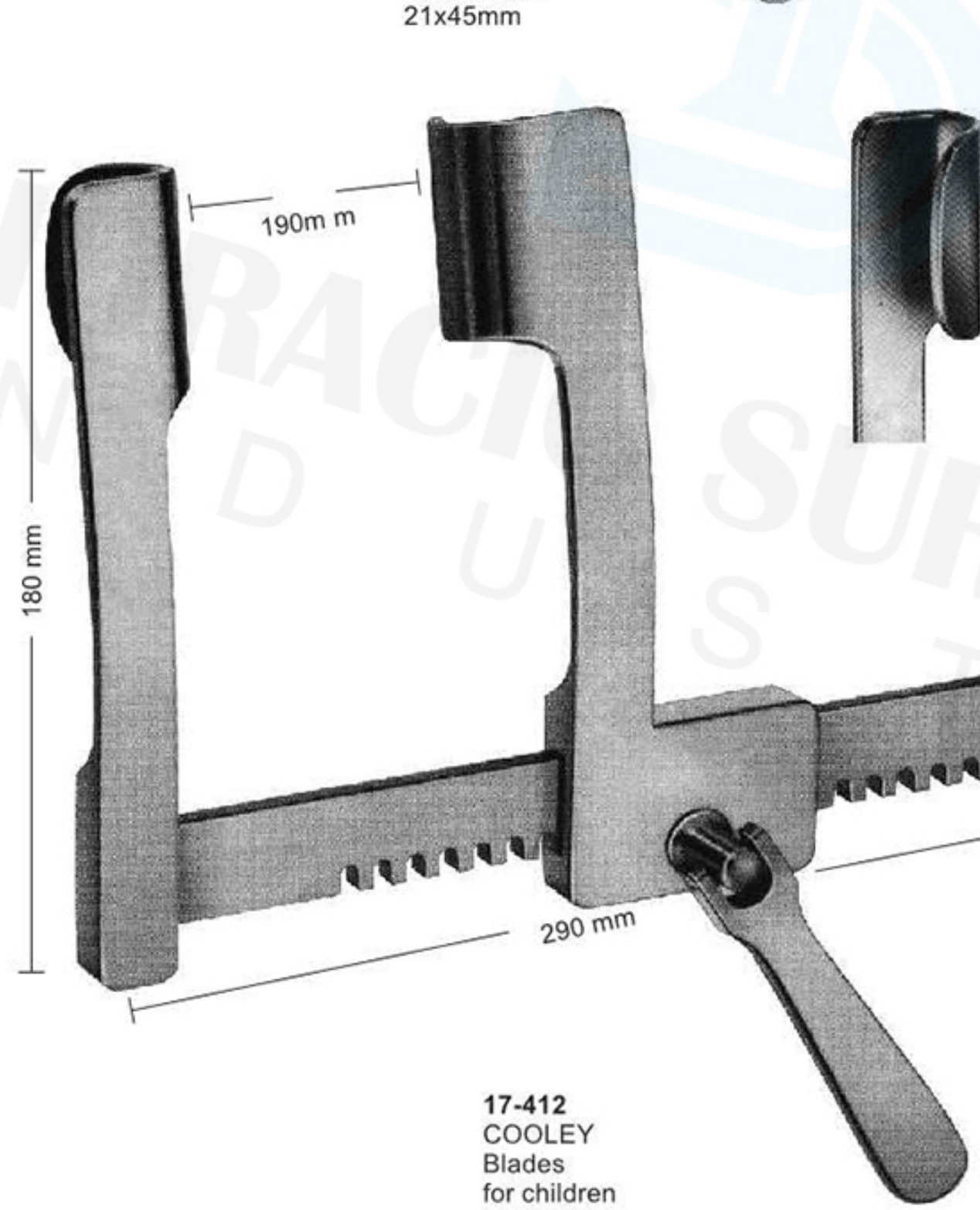

**17-410**
MORSE
Sternotomy spreader
for adults, with moveable
double, each blade
19x19 mm

THORACIC SURGICAL INSTRUMENTS

# Sternotomy- Spreaders




**17-411**
COOLEY
Blades
for children
21x45mm

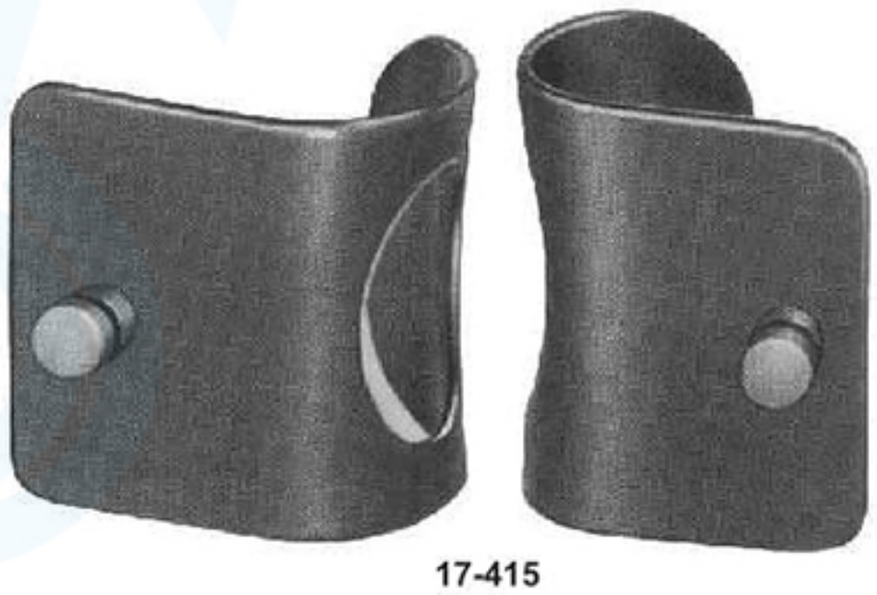



**17-412**
COOLEY
Blades
for children
32x50mm

# 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

TORACIC SURGICAL INDUSTRY

# Rib Spreaders-and Contractors



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



**17-417**
BAILEY
150 mm



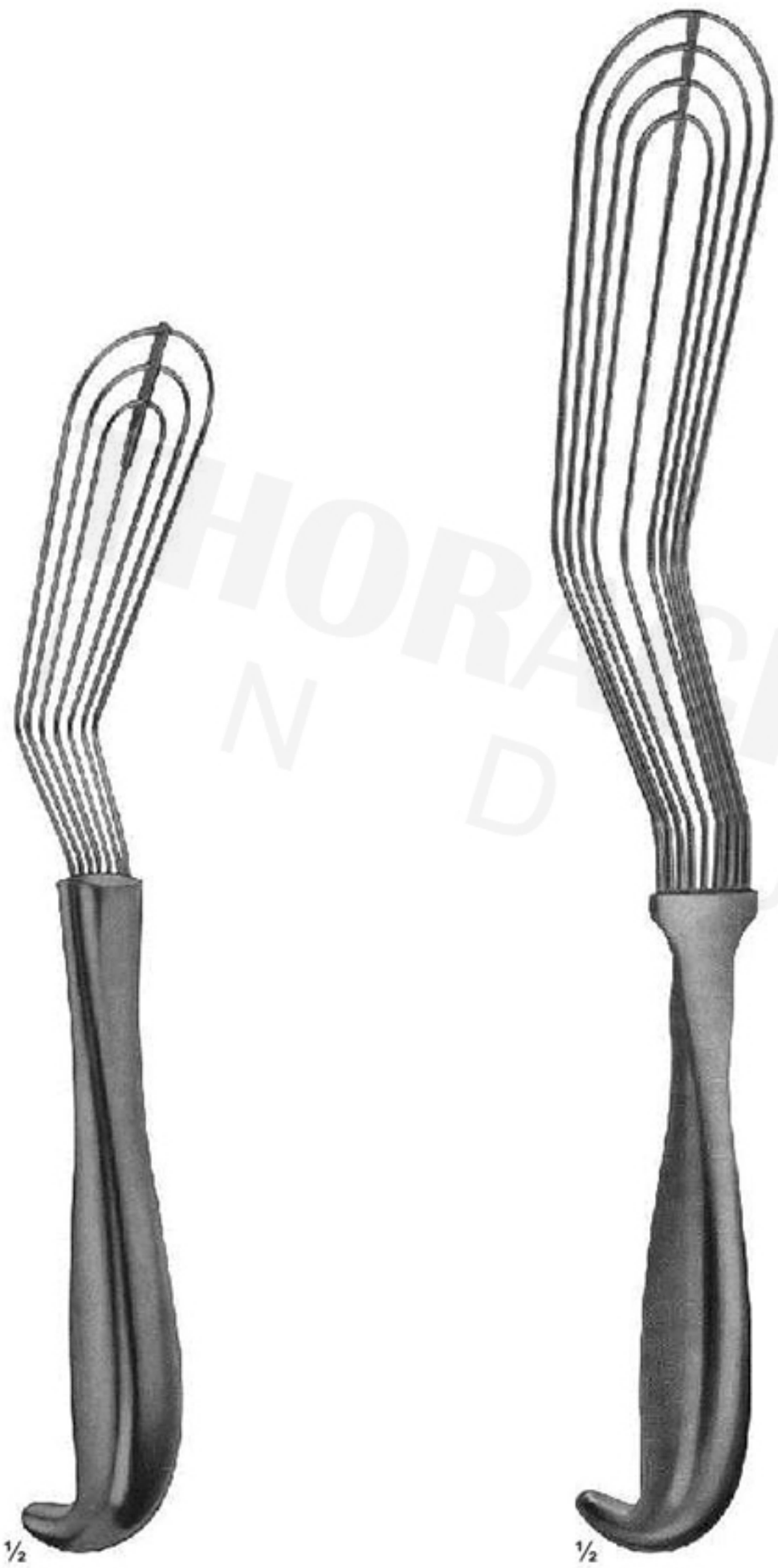

**17-418 - 419**
BAILEY
200 mm




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




**17-421**
DAVIDSON
Scalpel haken




**17-422**
ALLISON
255 mm



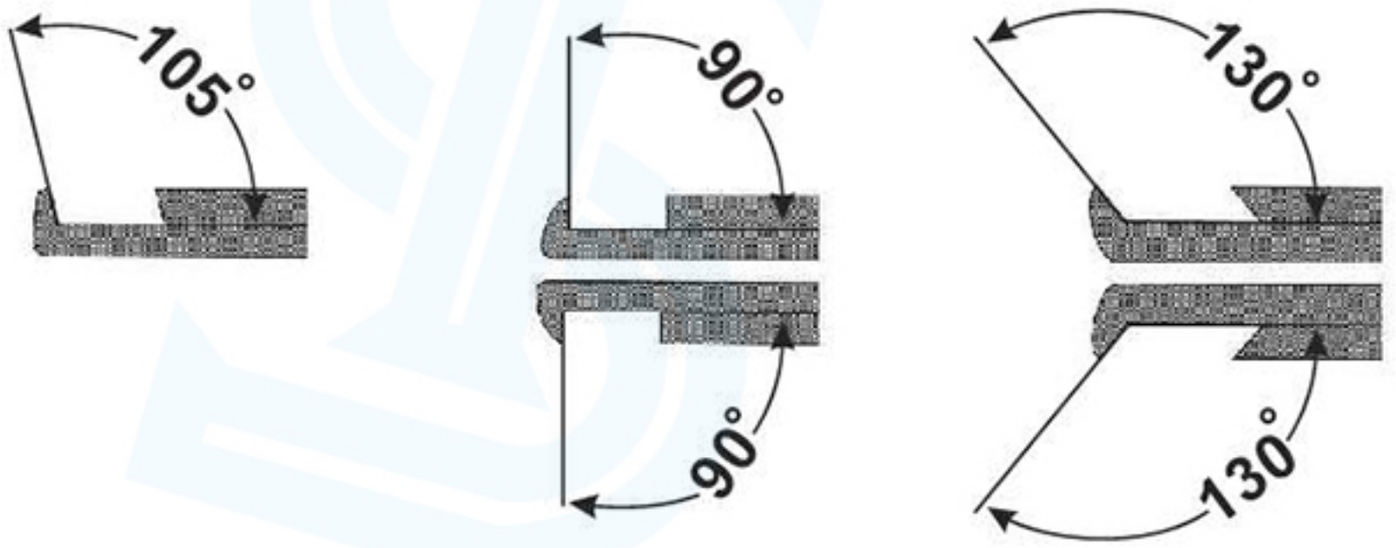

**17-423**
ALLISON
320 mm



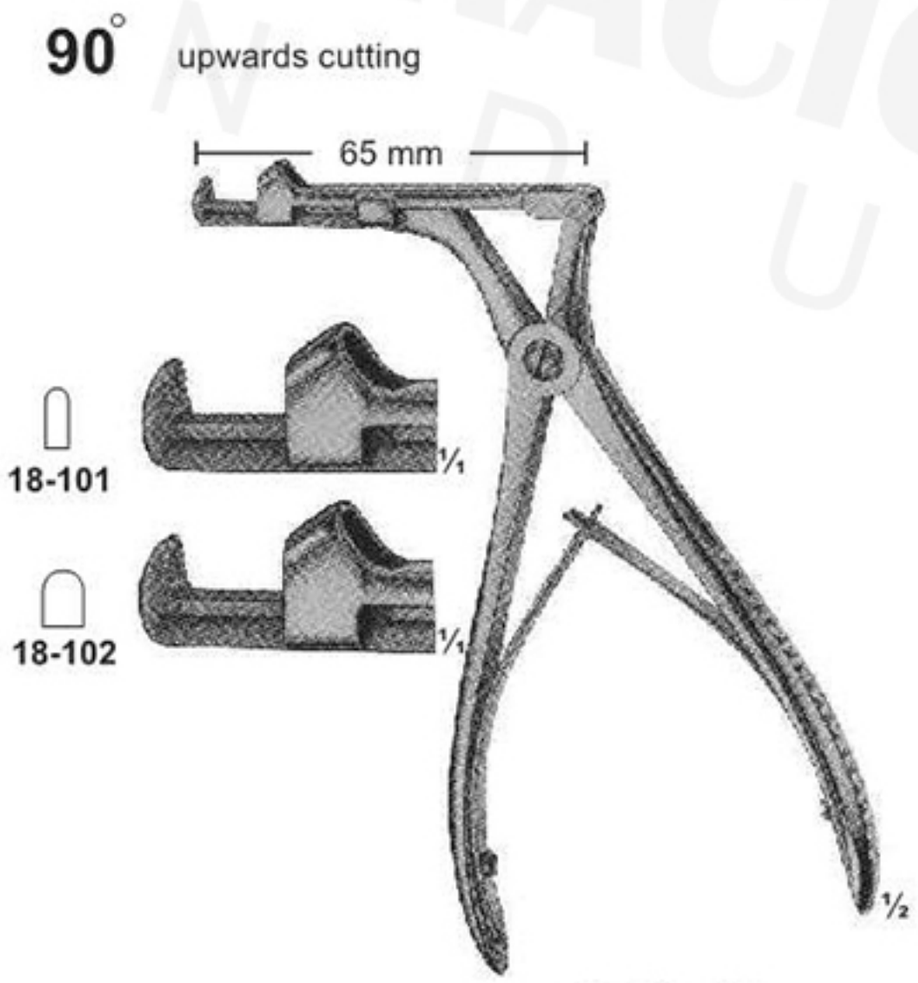

**17-424**
DE BAKEY
With central bore,
3.0mm diam.
with lateral slots
275 mm




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




**90°** upwards cutting



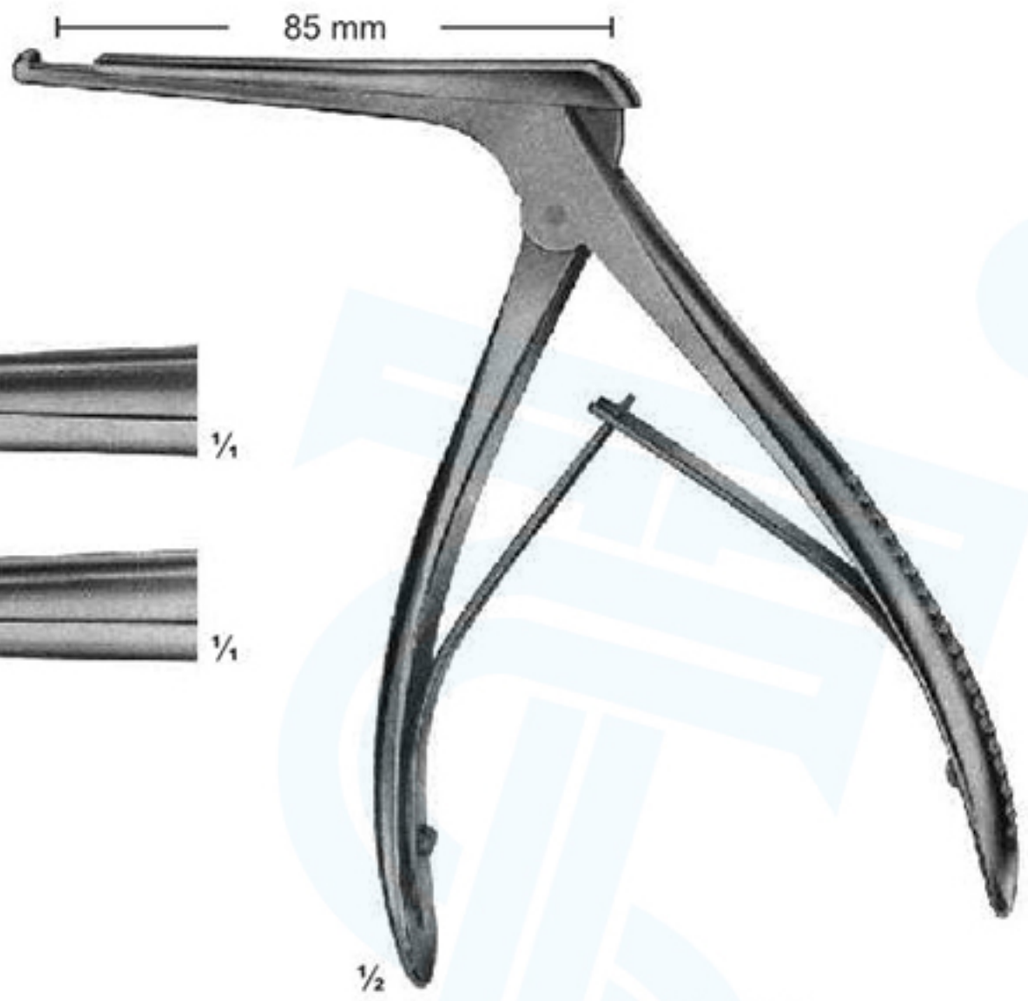

**18-101 - 102**
CITELLI
2 mm, 3,5 mm

**90°** upwards cutting




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

**90°** upwards cutting




**18-104**
4 mm

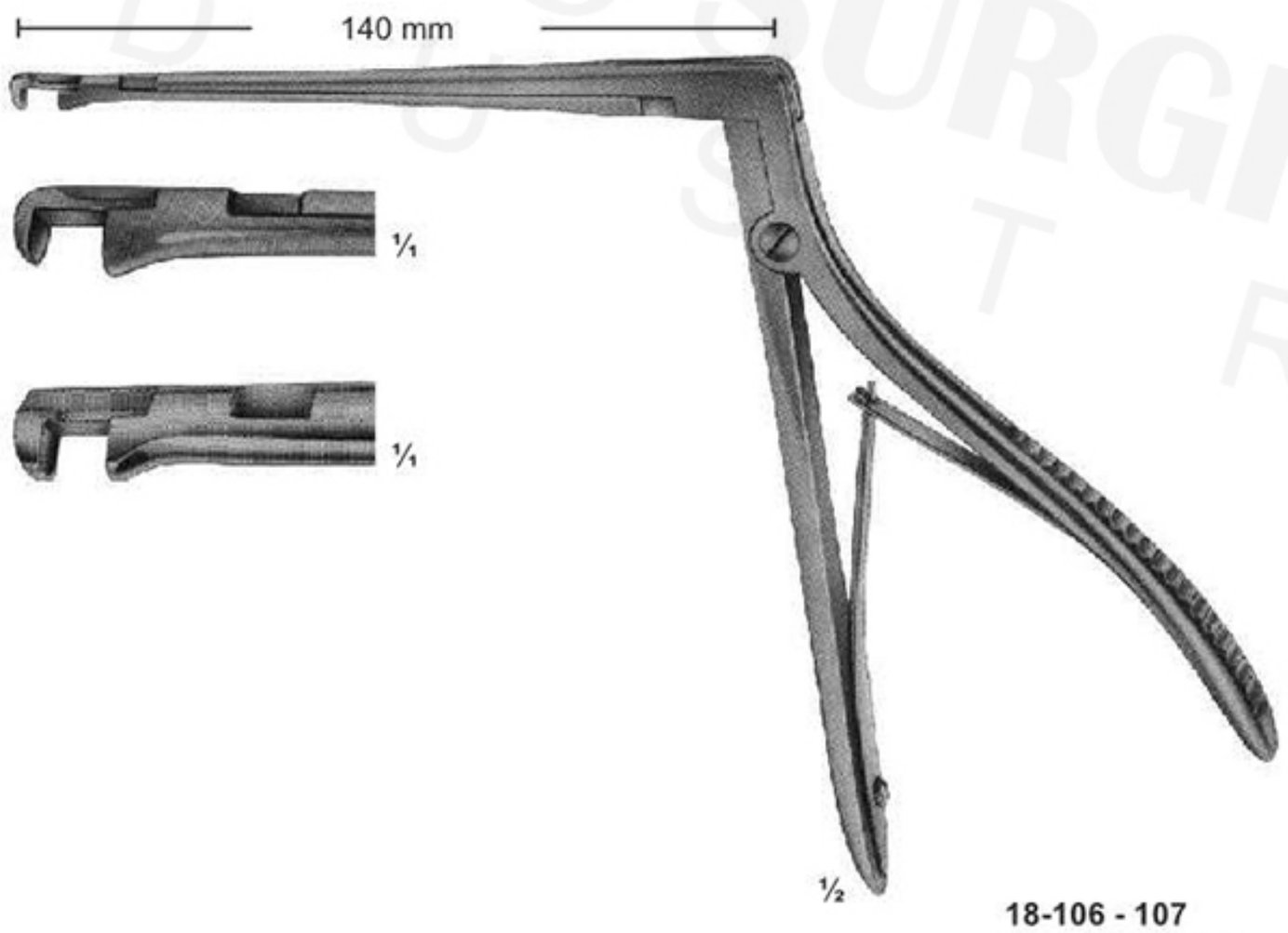



**18-105**
5 mm




**18-104 - 105**
KERRISON

**90°** upwards cutting




**18-106**
3,3 mm




**18-107**
4,0 mm

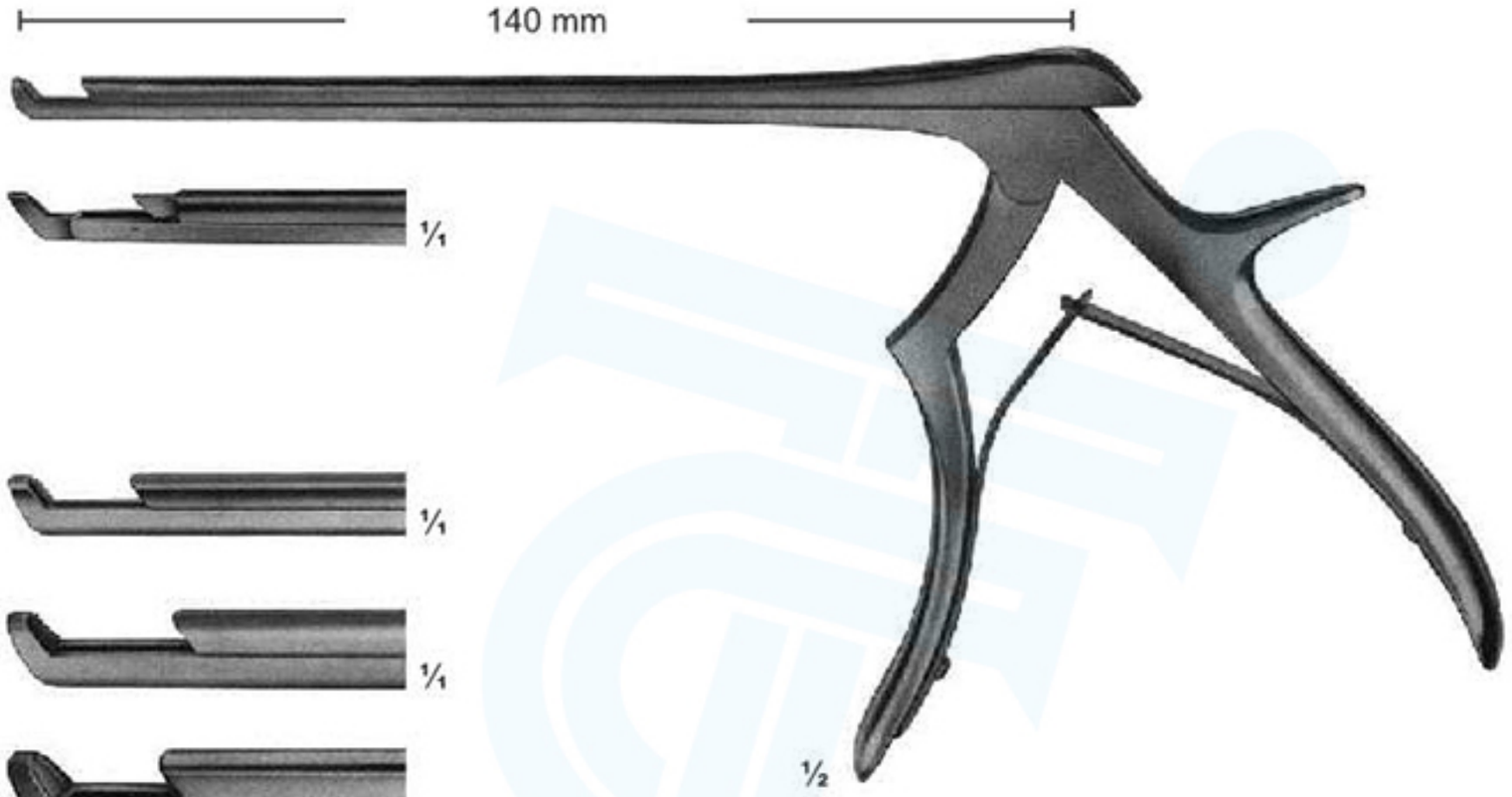



**18-106 - 107**
HAJEK-KOFLER

THORACIC SURGICAL INDUSTRY

# Punches

**130°** upwards cutting




**18-108**
1 mm

**18-109**
2 mm

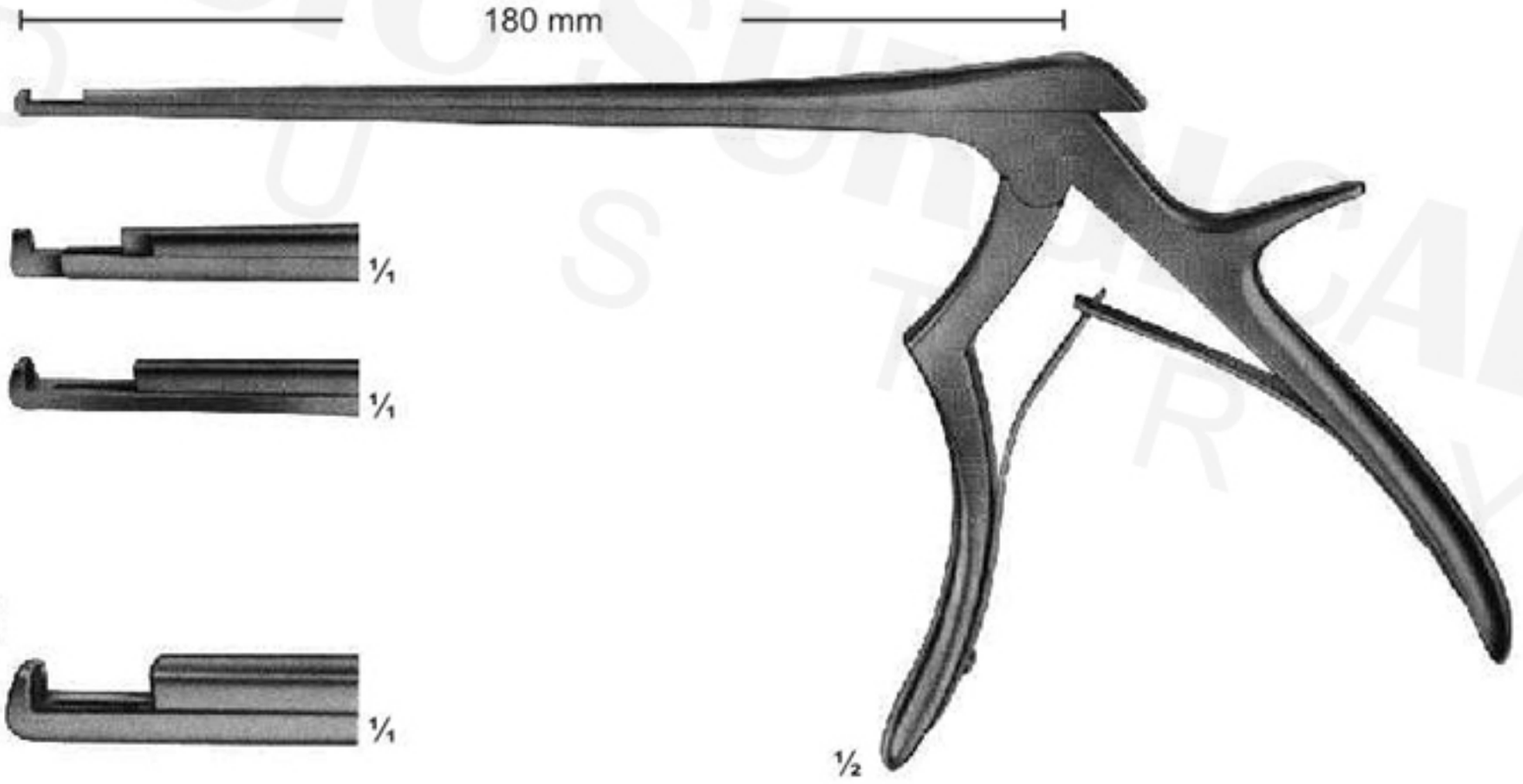
**18-110**
3 mm

**18-111**
4 mm

**18-112**
5 mm

**18-108 - 112**
KERRISON-JACOBY

**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

**18-113 - 117**
KERRISON-JACOBY

THORACIC INDUSTRIAL SURGICAL

# Rongeurs

Angled positions for rongeurs

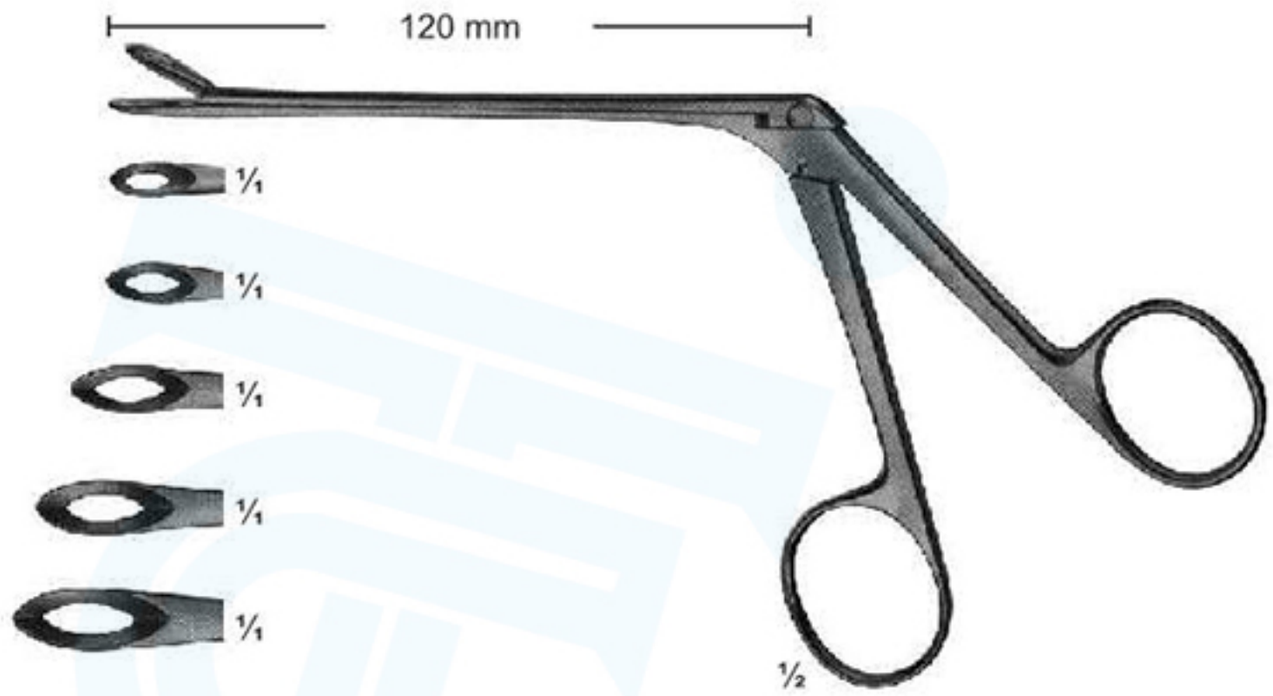
**18-118**
3,0 mm

**18-119**
3,6 mm

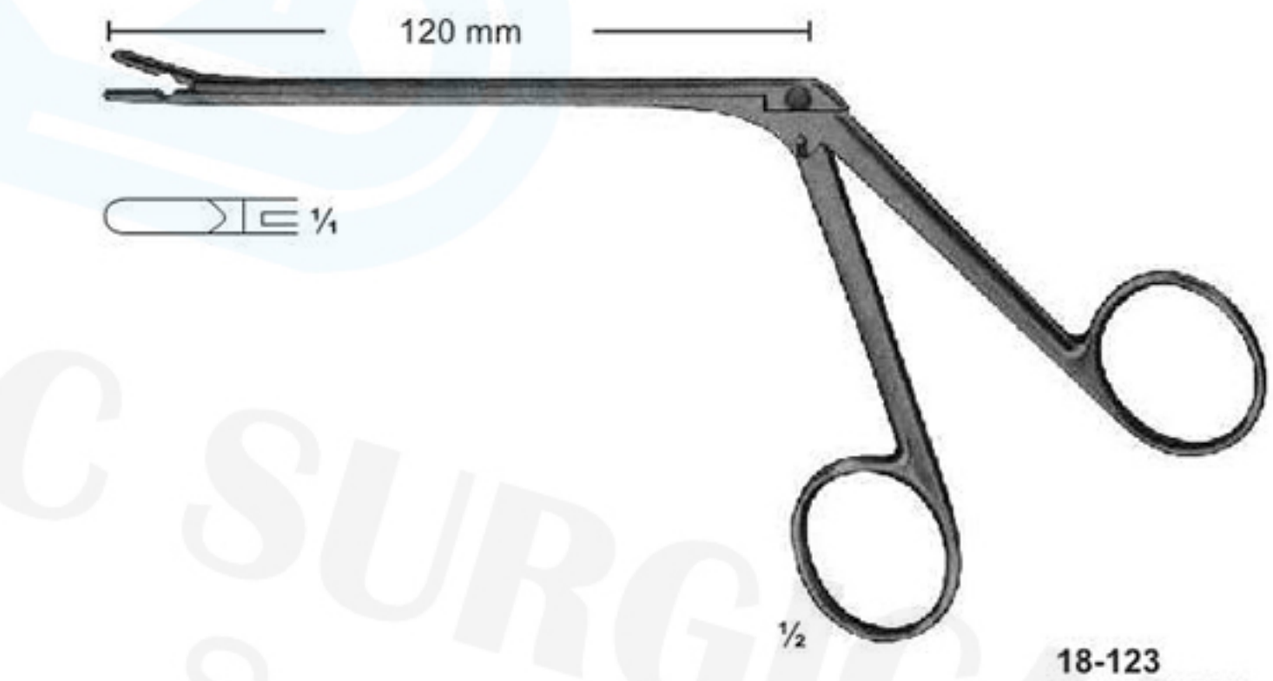
**18-120**
4,2 mm

**18-121**
4,8 mm

**18-122**
5,8 mm

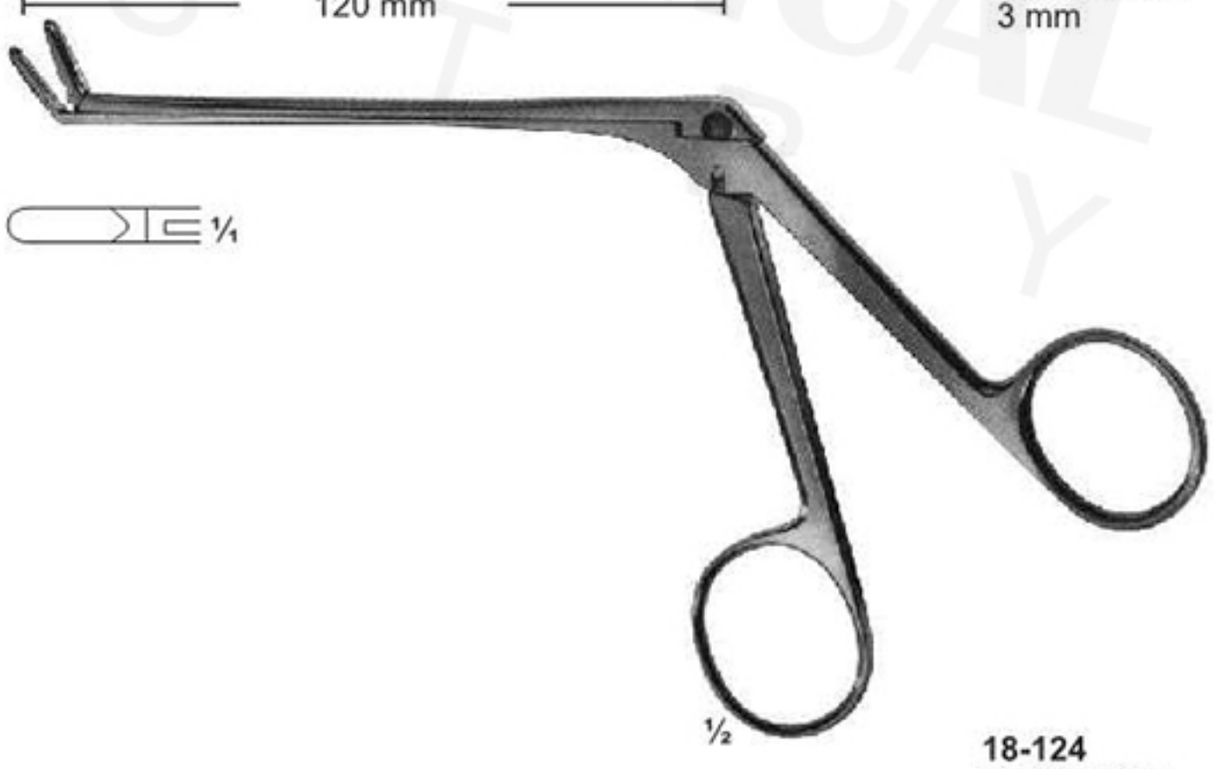



**18-118 - 122**
WEIL-BLAKESLEY




**18-123**
TAKAHASHI
3 mm

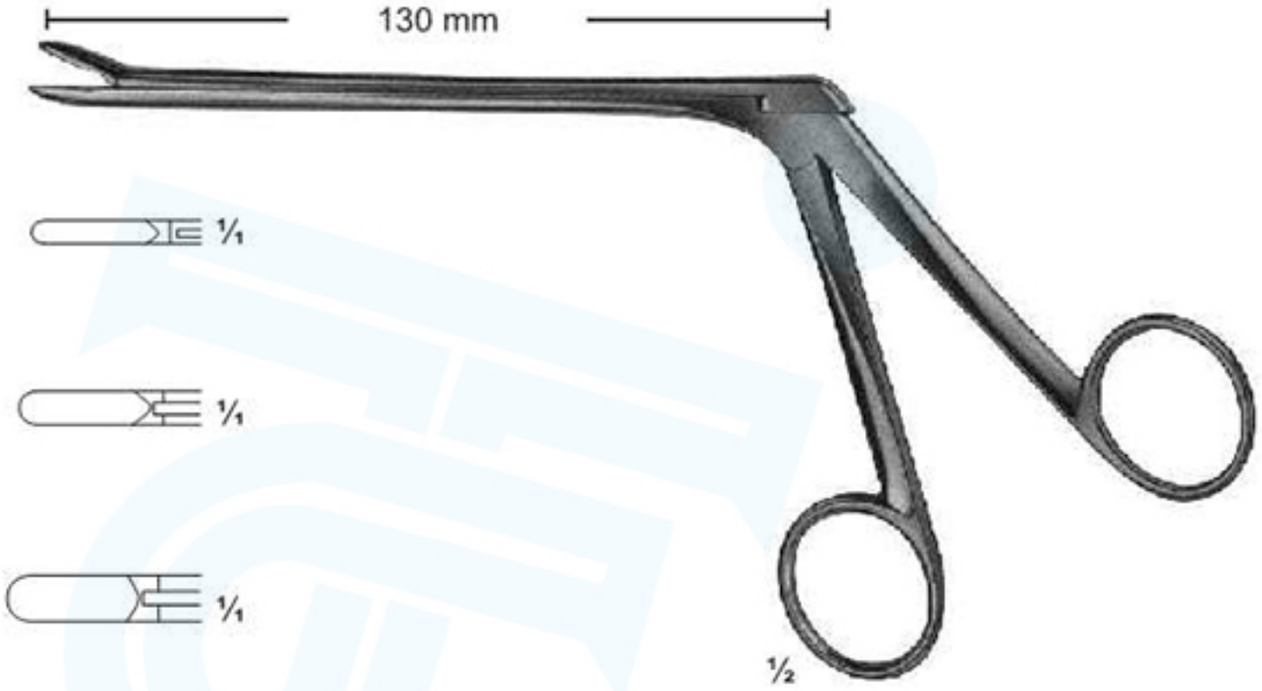
**130°**




**18-124**
TAKAHASHI
3 mm

THORACIC SURGICAL INDUSTRY

130 mm



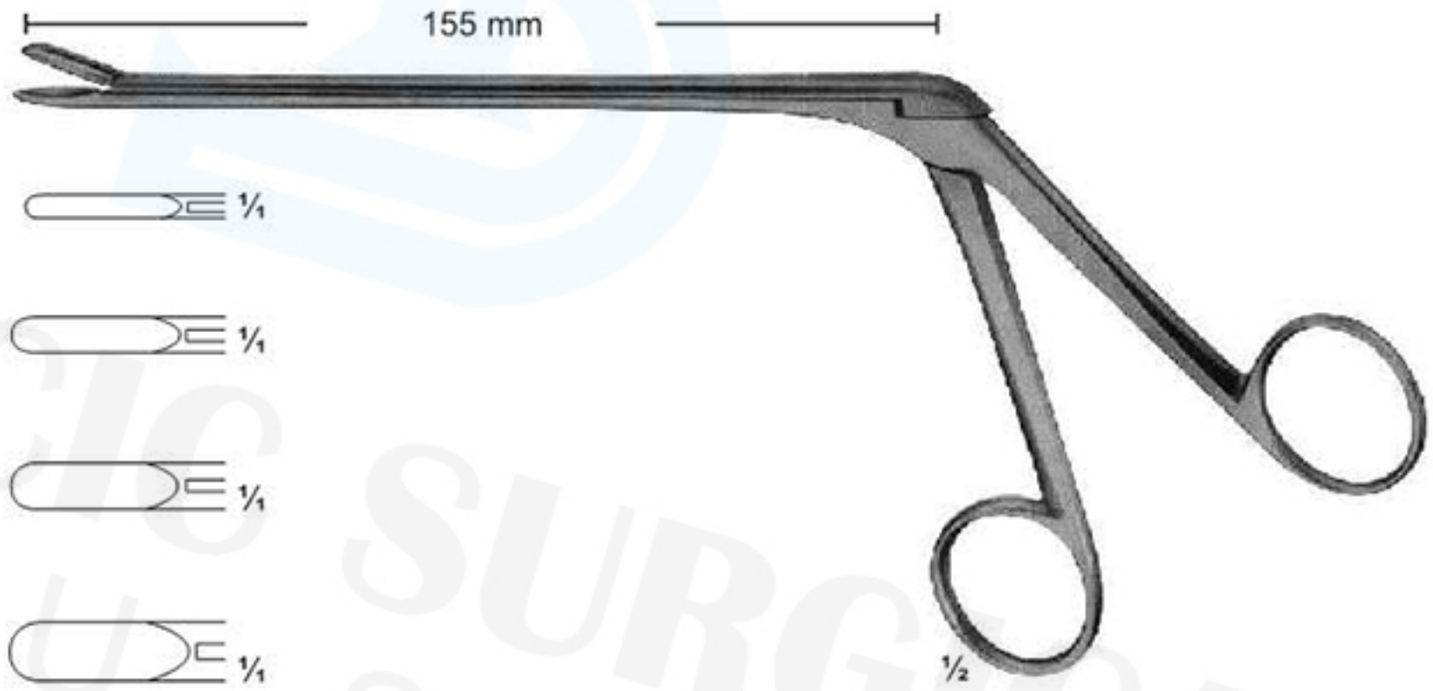
**18-125**
2 X 10 mm

**18-126**
3 X 10 mm

**18-127**
4 X 10 mm

**18-125 - 127**
LOVE-GRUENWALD

155 mm



**18-128**
2 mm

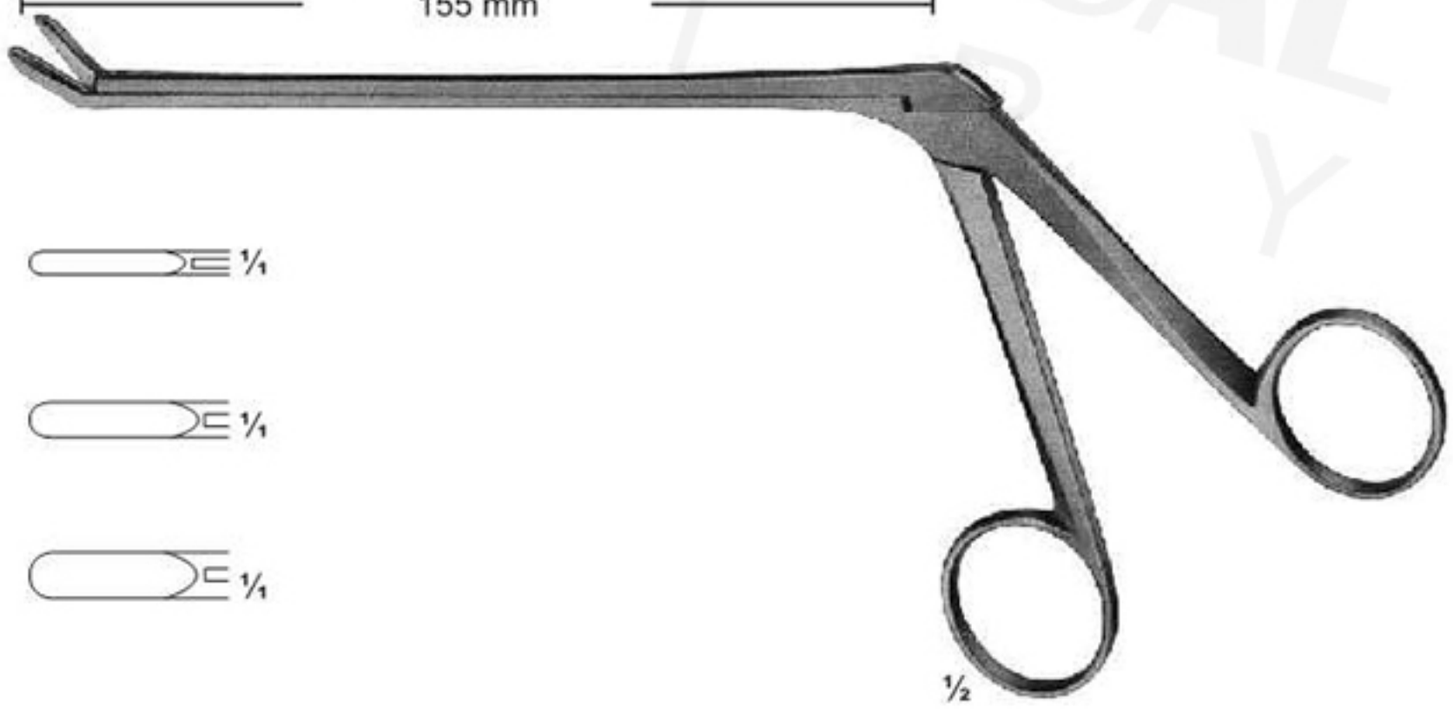
**18-129**
3 mm

**18-130**
4 mm

**18-131**
5 mm

**18-128 - 131**
CASPAR

155 mm

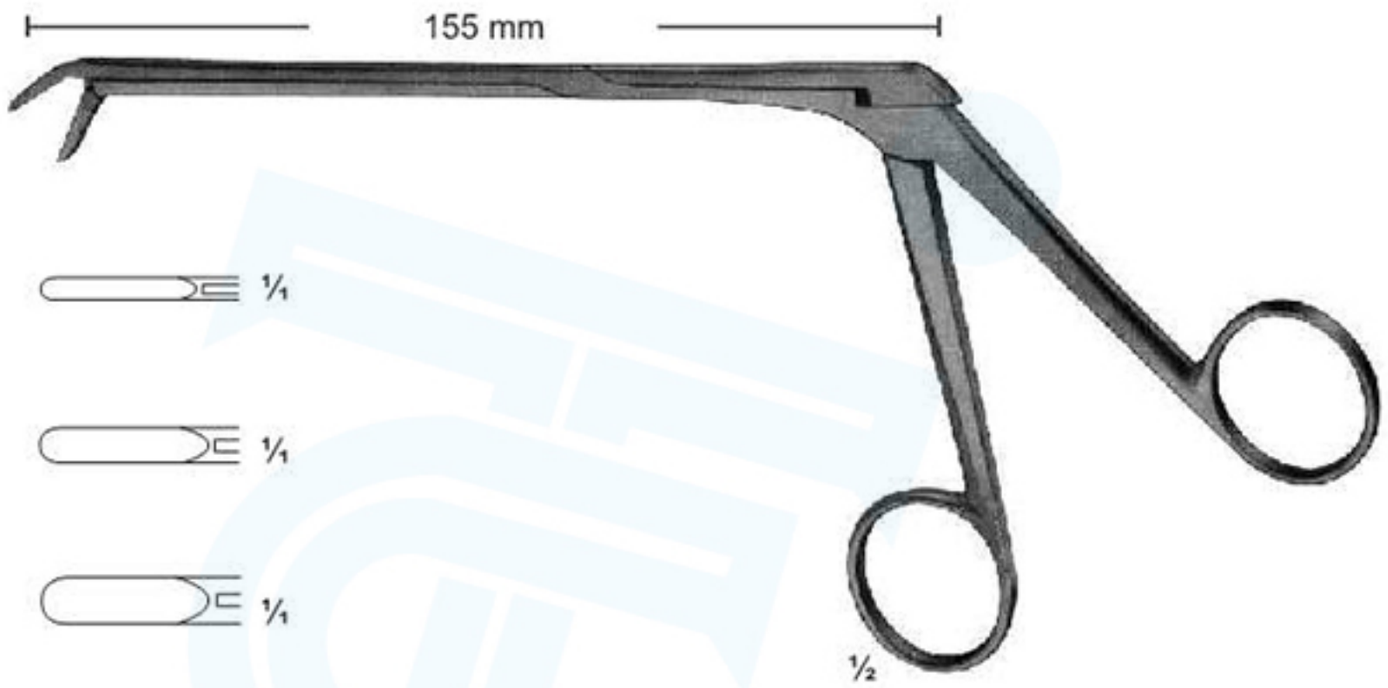


**18-132**
2 mm

**18-133**
3 mm

**18-134**
4 mm

**18-132 - 134**
CASPAR




**18-135**
2 mm

**18-136**
3 mm

**18-137**
4 mm

1/1

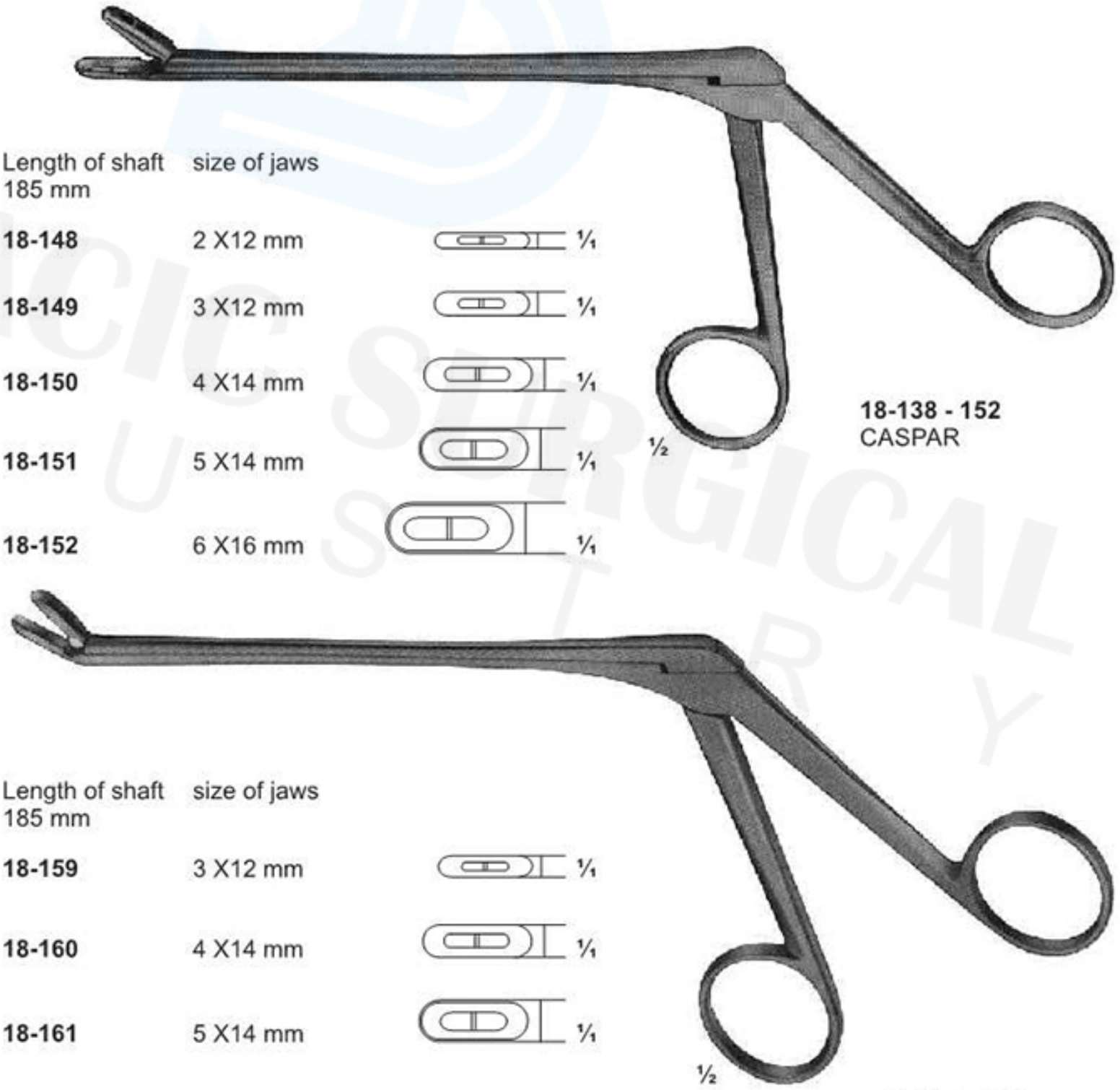
**18-135 - 137**
CASPAR




| Length of shaft 140 mm | Length of shaft 160 mm | Length of shaft 185 mm | size of jaws |
|---|---|---|---|
| **18-138** | **18-143** | **18-148** | 2 X12 mm |
| **18-139** | **18-144** | **18-149** | 3 X12 mm |
| **18-140** | **18-145** | **18-150** | 4 X14 mm |
| **18-141** | **18-146** | **18-151** | 5 X14 mm |
| **18-142** | **18-147** | **18-152** | 6 X16 mm |

1/1

**18-138 - 152**
CASPAR



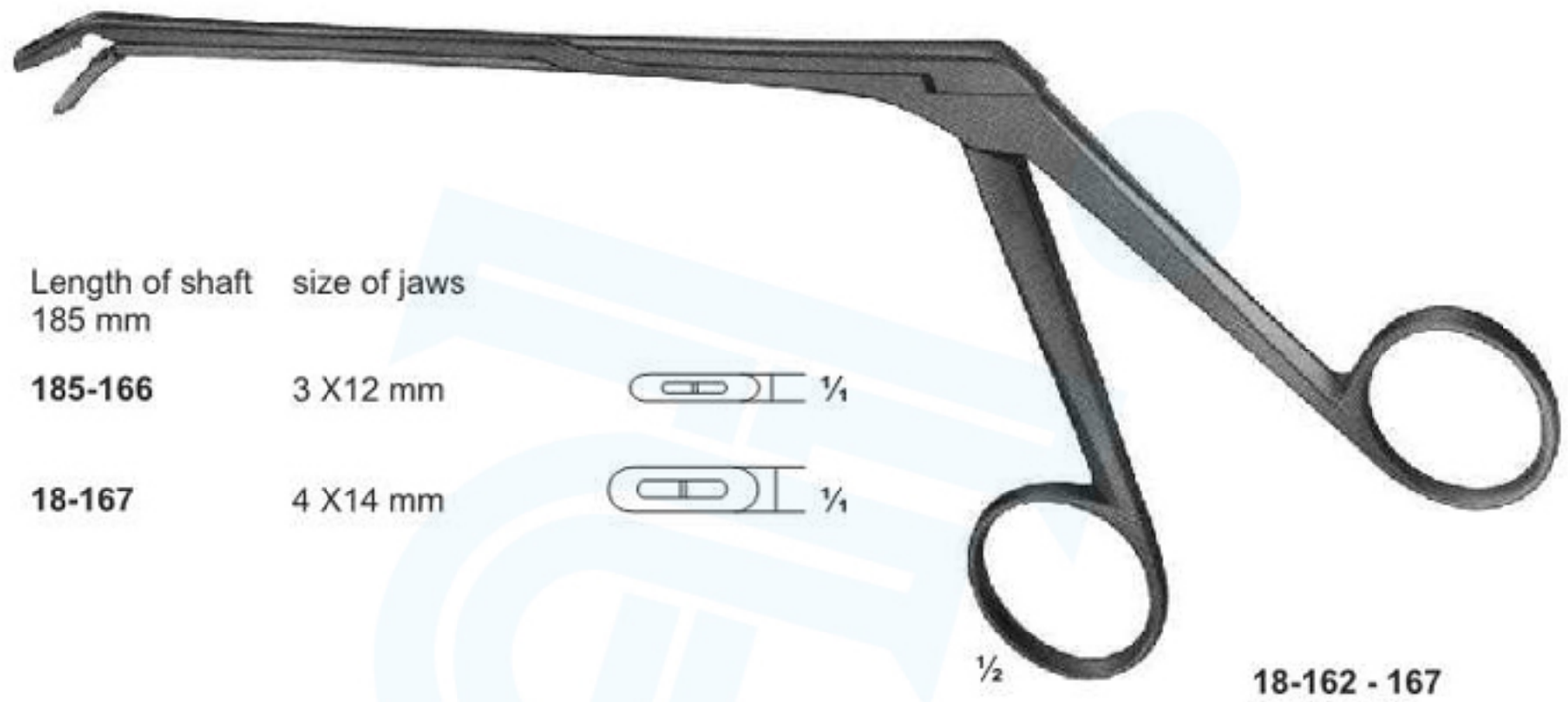

| Length of shaft 140 mm | Length of shaft 160 mm | Length of shaft 185 mm | size of jaws |
|---|---|---|---|
| **18-153** | **18-156** | **18-159** | 3 X12 mm |
| **18-154** | **18-157** | **18-160** | 4 X14 mm |
| **18-155** | **18-158** | **18-161** | 5 X14 mm |

1/1

**18-153 - 161**
CASPAR

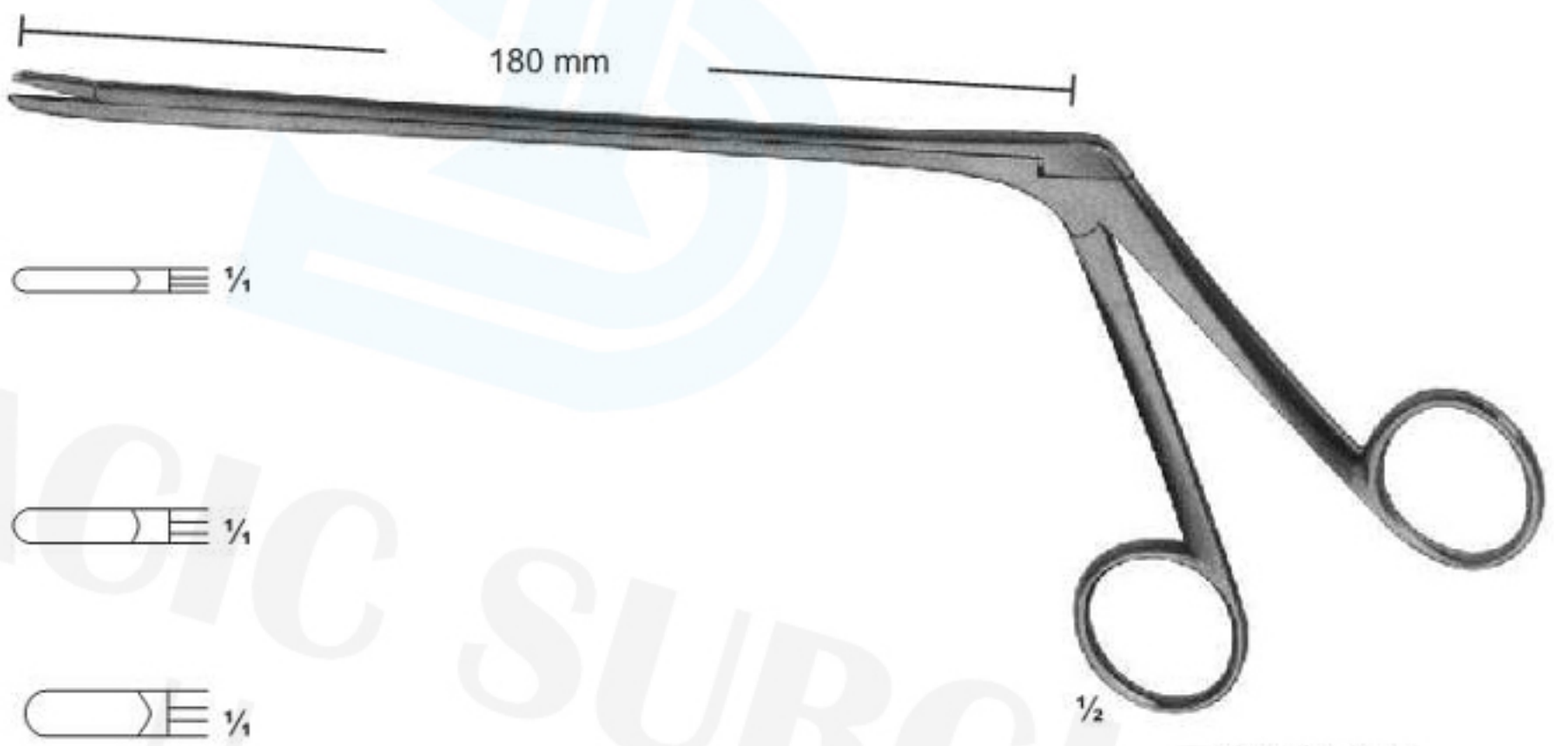
# Rongeurs

| Length of shaft 140 mm | Length of shaft 160 mm | Length of shaft 185 mm | size of jaws | |
|---|---|---|---|---|
| **18-162** | **18-164** | **185-166** | 3 X12 mm | 1/1 |
| **18-163** | **18-165** | **18-167** | 4 X14 mm | 1/1 |




**18-162 - 167**
GUSHING

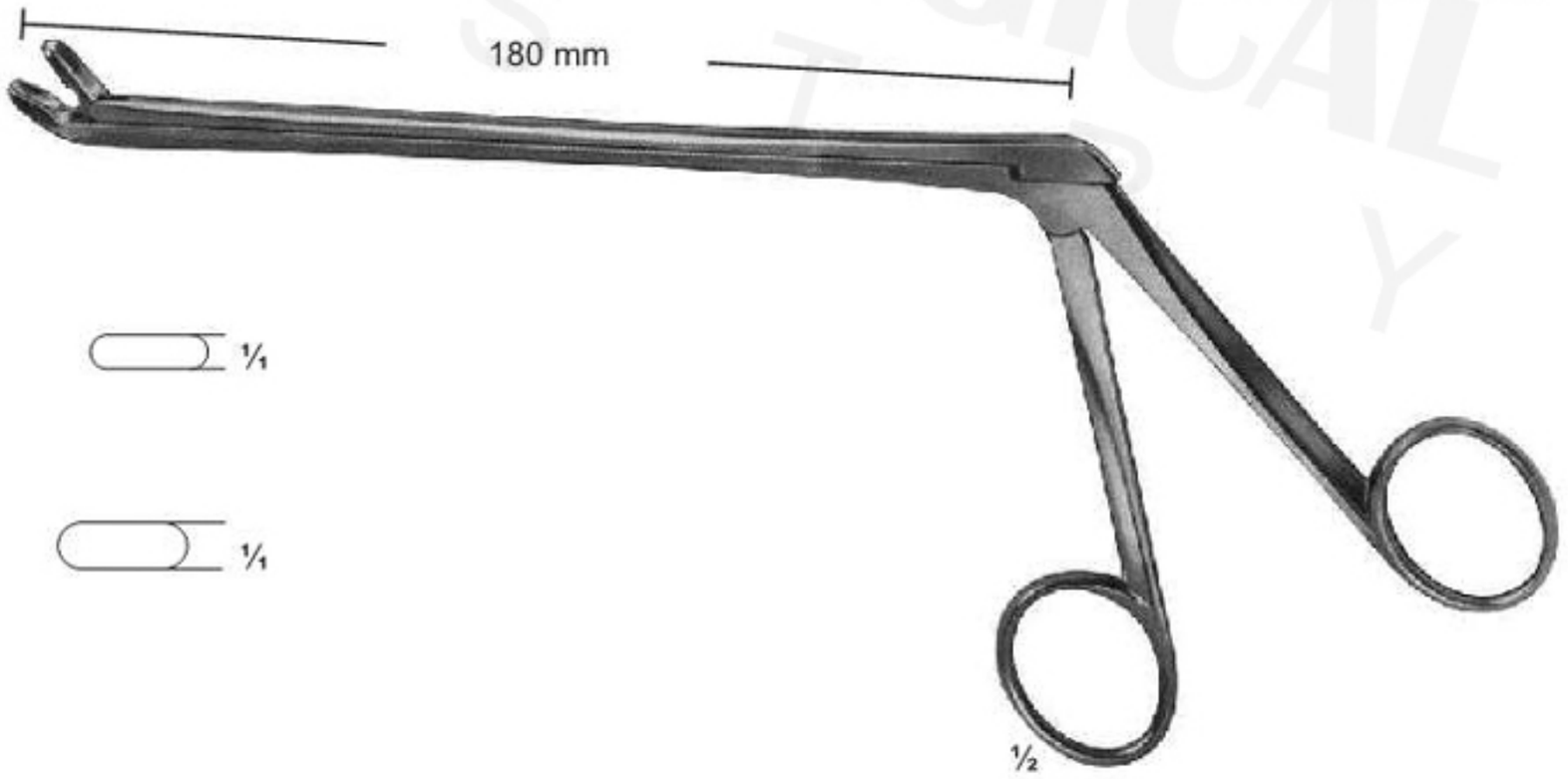
**18-168**
2 X 10 mm
GUSHING




**18-168 - 170**
LOVE-GRUENWALD

**18-169**
3 X 10 mm
LOVE-GRUENWALD 1/1

**18-170**
4 X 10 mm
SPURLING 1/1




**18-171 - 172**
LOVE-GRUENWALD

**18-171**
3 X 10 mm
LOVE-GRUENWALD 1/1

**18-172**
4 X 10 mm
SPURLING 1/1

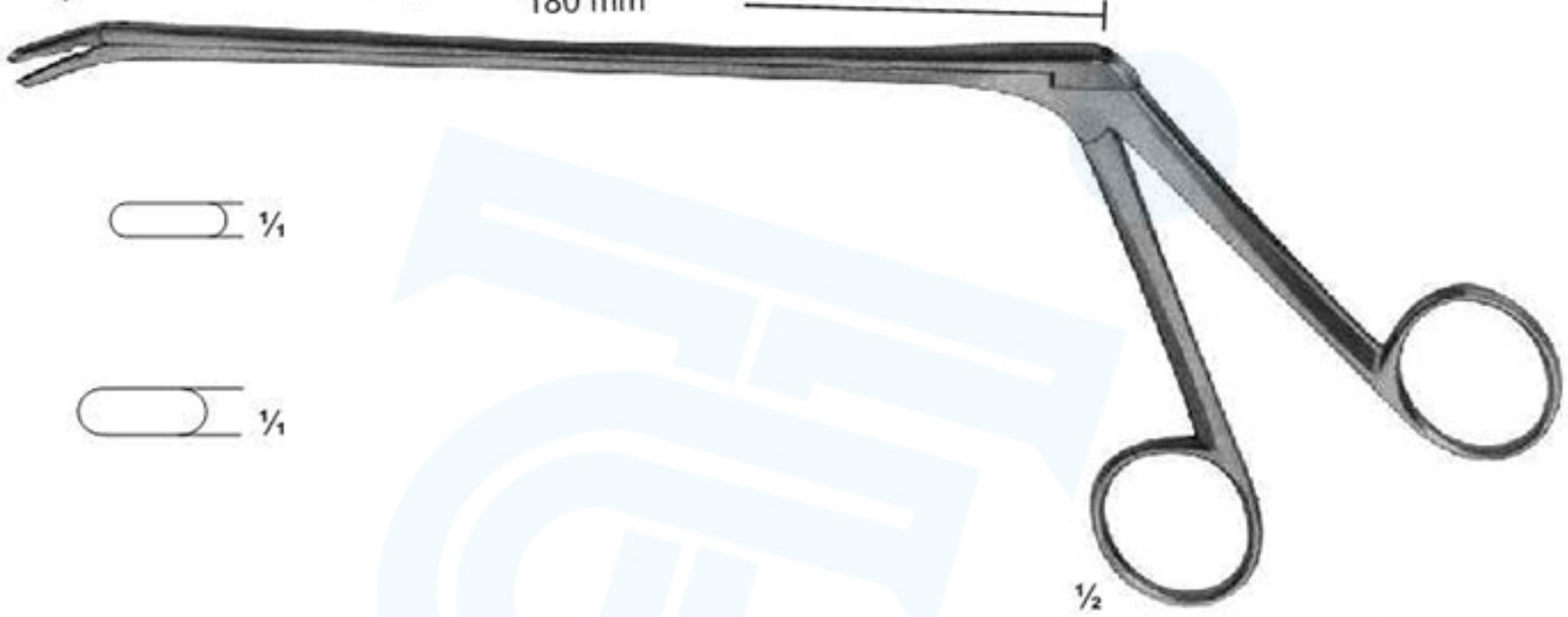
180 mm

**18-173**
3 X 10 mm
LOVE-GRUENWALD




**18-174**
4 X 10 mm
SPURLING



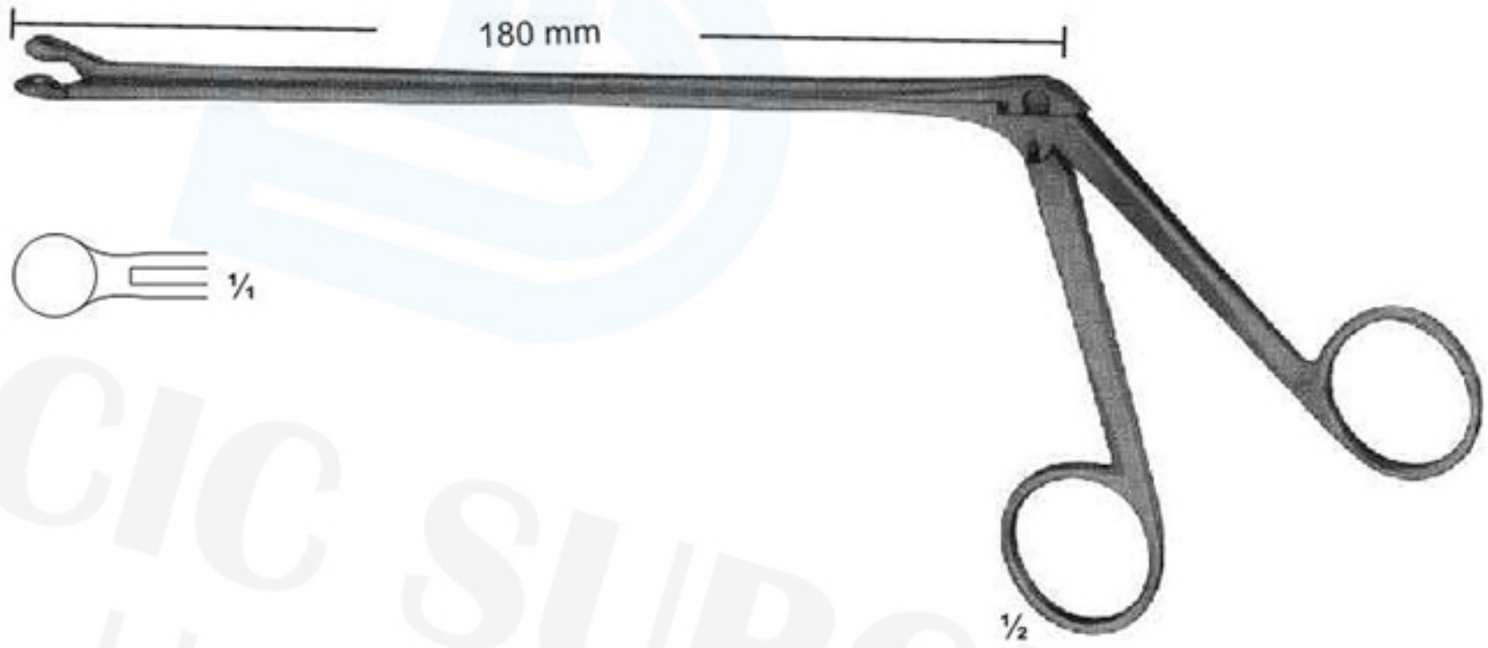




**18-173 - 174**
LOVE-GRUENWALD

180 mm

**18-175**
7 mm



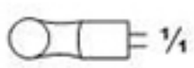

**18-175**
OLDBERG

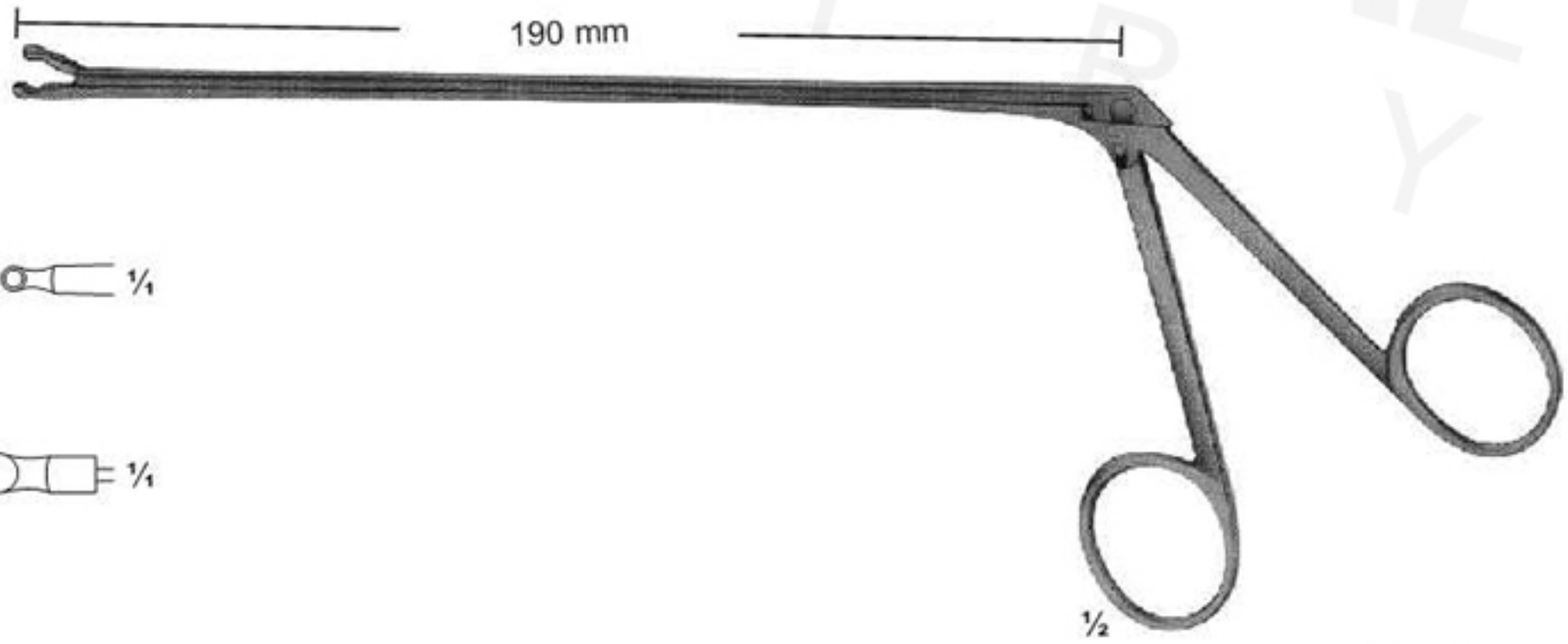
190 mm

**18-176**
YASARGIL
2,2 mm



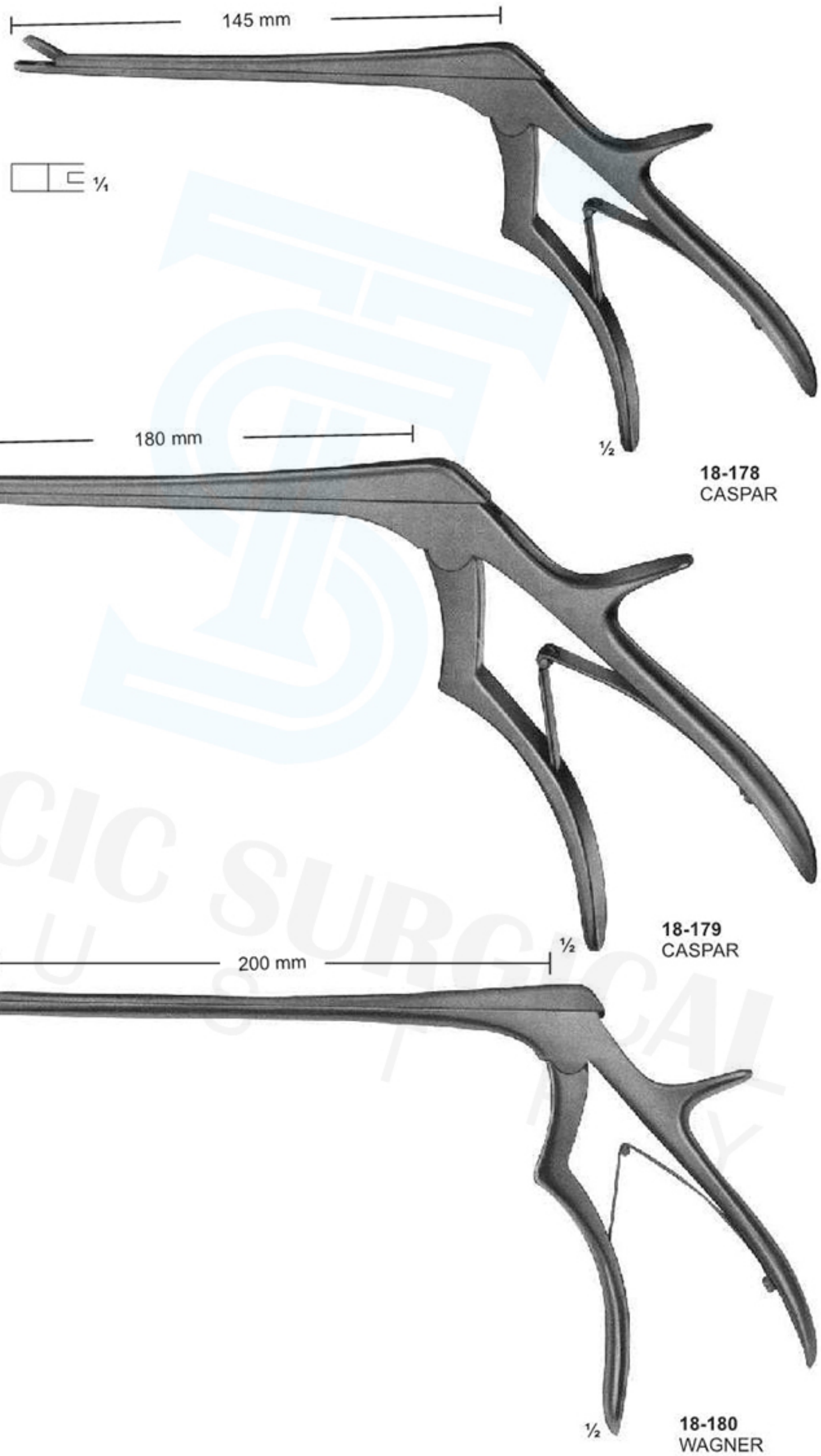

**18-177**
YASARGIL
3,5 mm




**18-176 - 177**

# Rongeurs




**18-178**
4 mm



**18-178**
CASPAR
½

**18-179**
4 mm



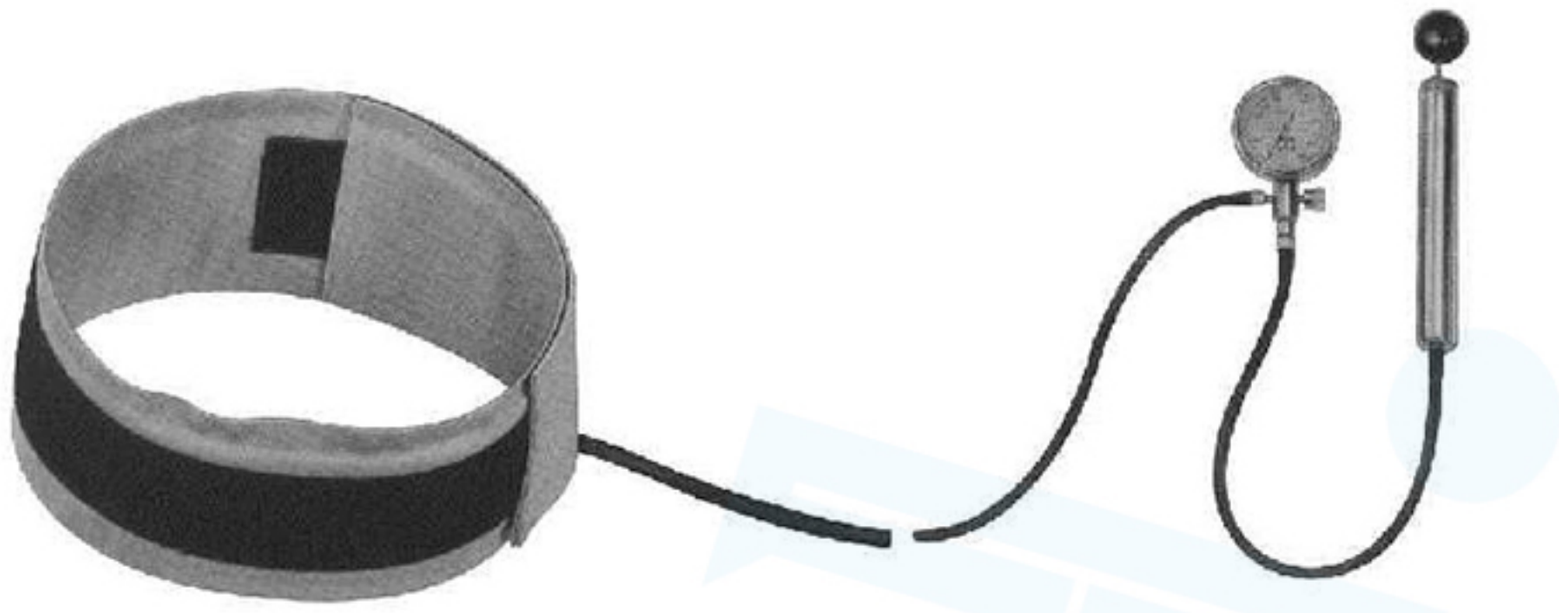
**18-179**
CASPAR
½

**18-180**
5,5 mm

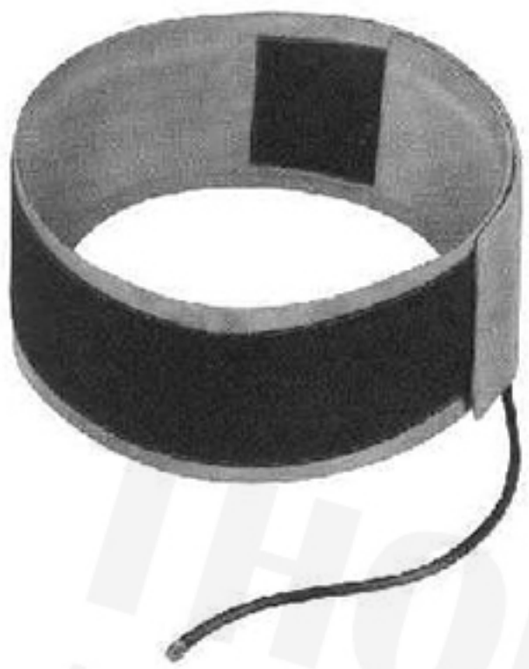


**18-180**
WAGNER
½

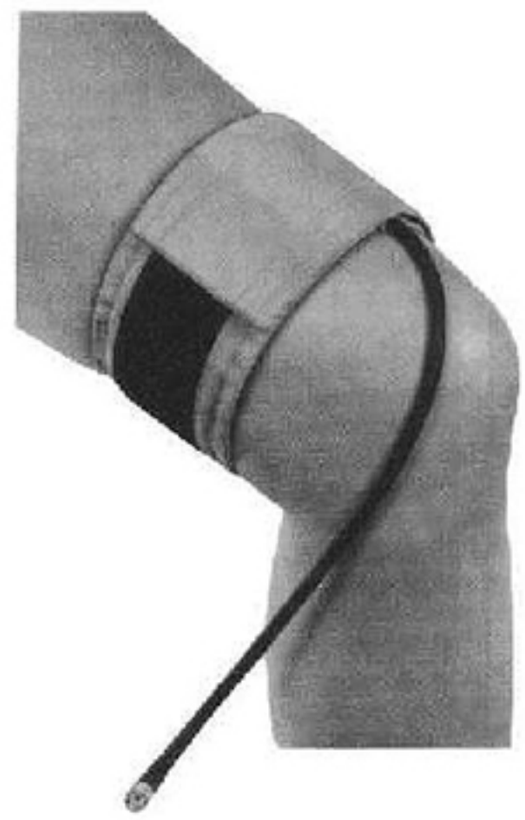
THORACIC SURGICAL INDUSTRY



**19-101**
Comprimeter. Compression apparatus for producing exsanguination in the extremeties. 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



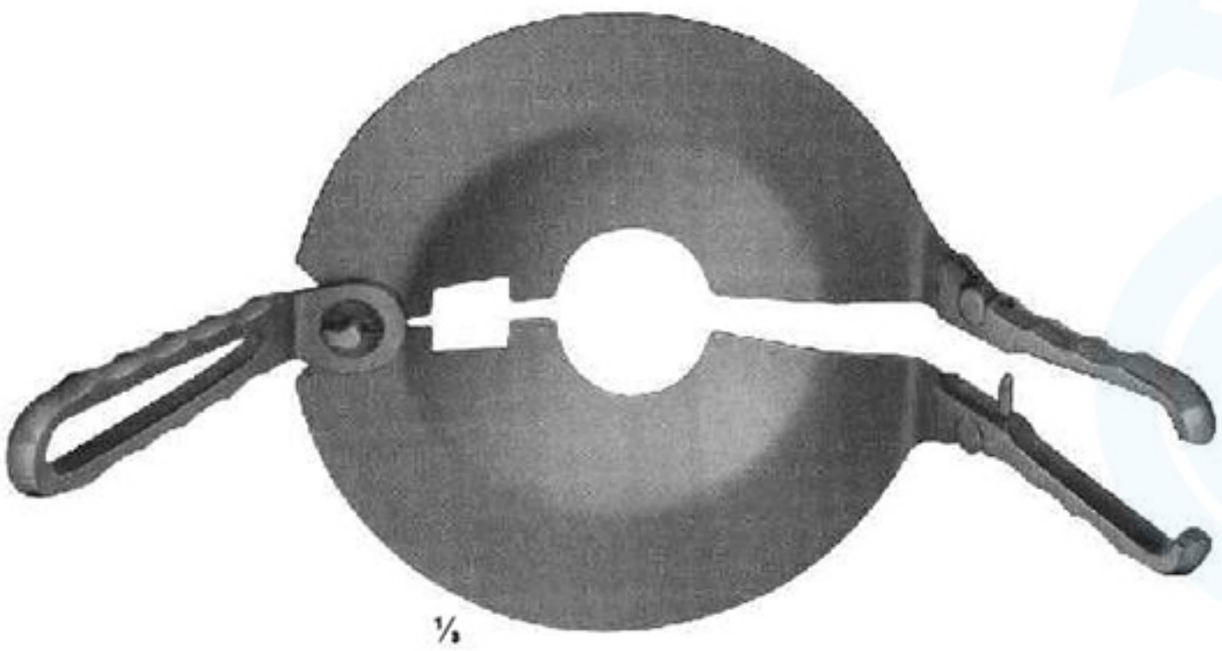

**19-110**
Length of blades
Phalangeal knife
105 mm

**19-111**
Length of blades
Interosseous knife
110 mm

**19-112**
Length of blades
Periosteum knife
with raspatory
65 mm

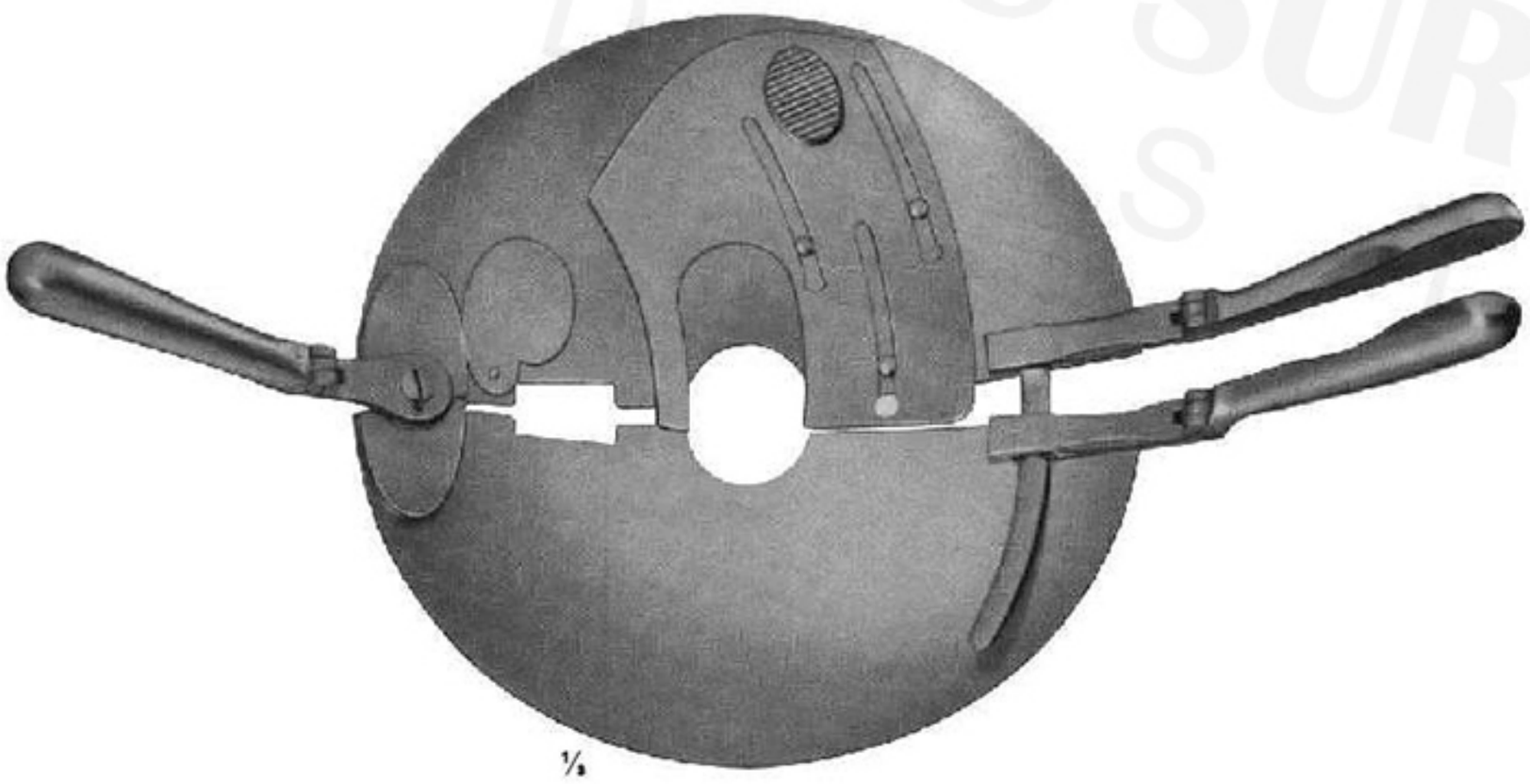
**19-113 - 114**
LANGENBECK
Length of blades
Resection knives
55 mm

THORACIC SURGICAL INSTRUMENTS



1/1

**19-115**
PERCY
removeable handles



1/1

**19-116**
PERCY
reversible handles

THORACIC SURGICAL INDUSTRY

# Amputation Saws



1/3

**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



1/3

**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




**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




**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



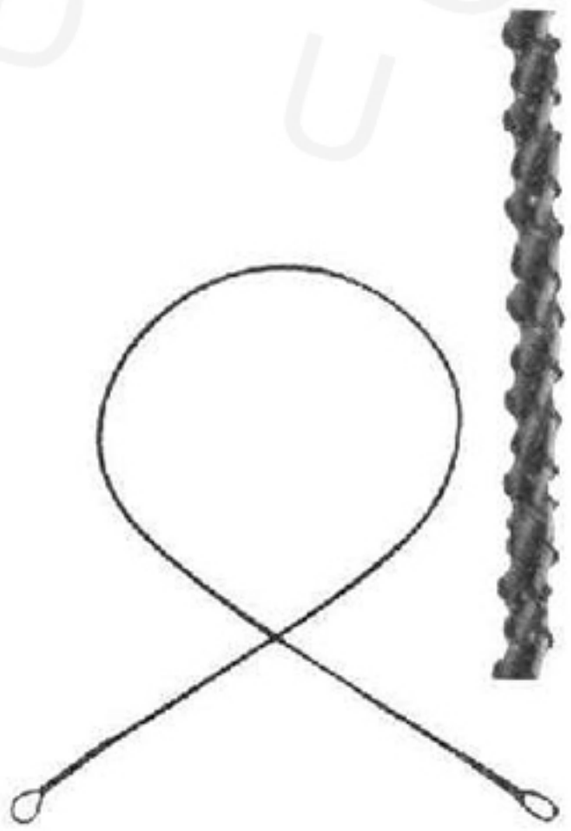

**19-132**
SATTERLEE
Length of blade
200 mm
Spare saw blades,
carbon steel
290 mm




**19-133**
LANGENBACK
Length of blade
115 mm
Metacarpal saw
235 mm

THORACIC SURGICAL INSTRUMENTS

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**
coares, 4 wires twisted

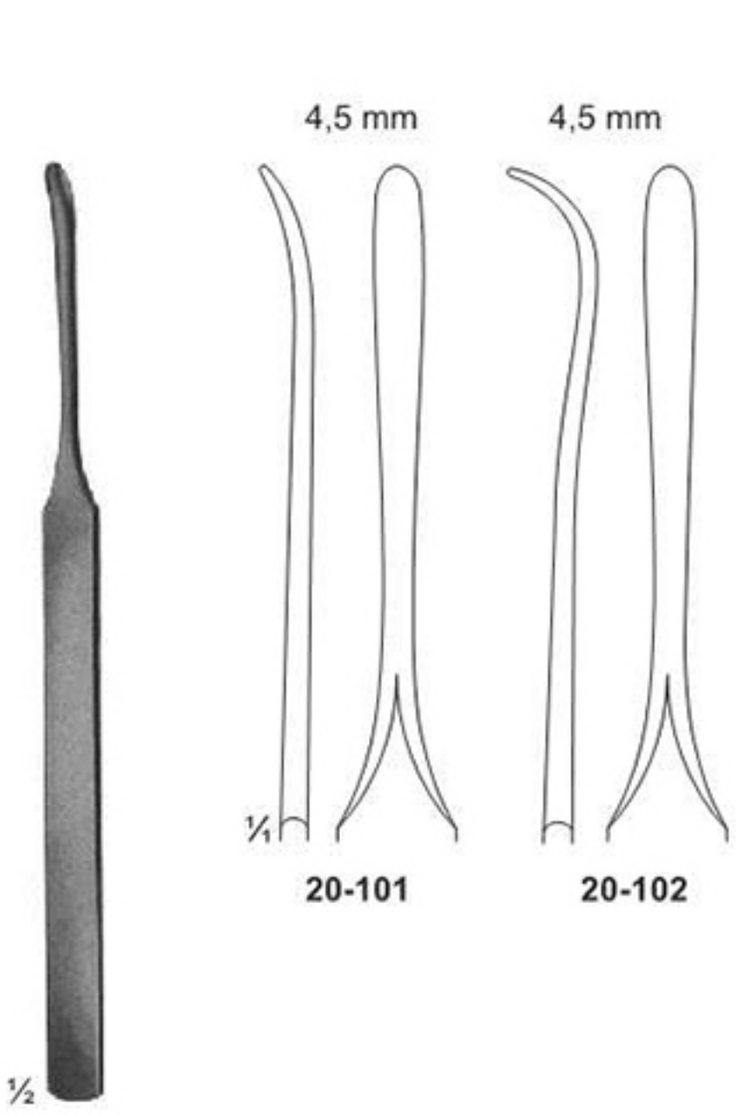



**19-142**
GIGLI
Handle

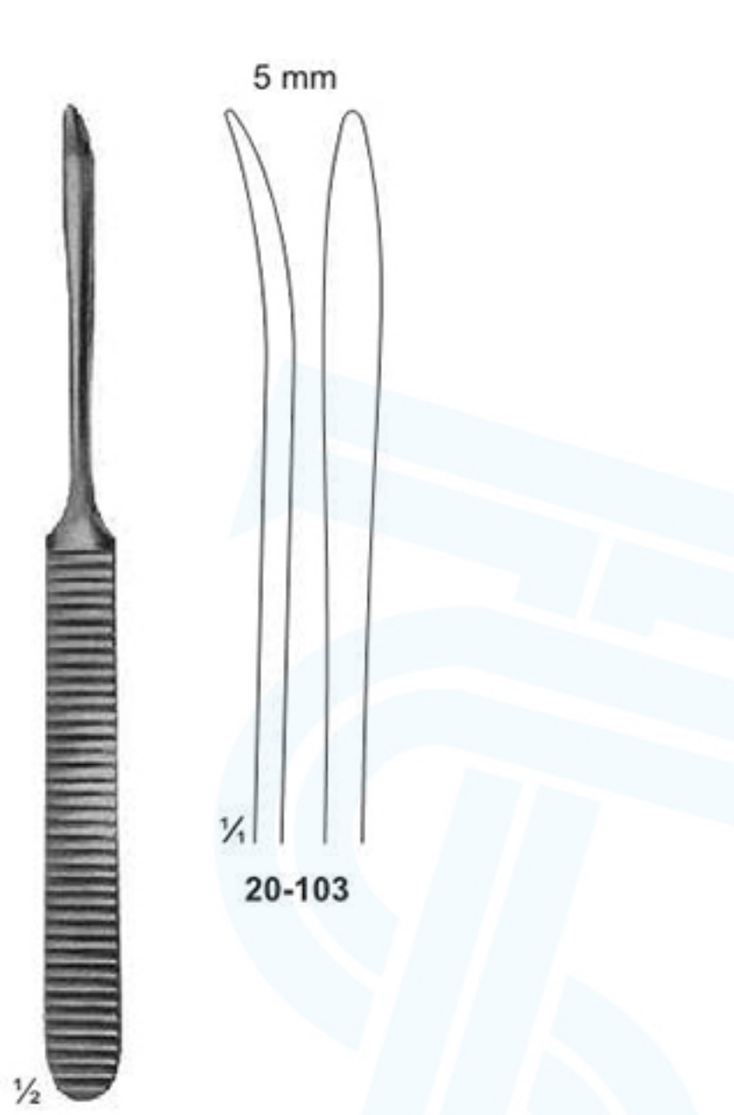



**19-143**
LEBSCHE
Conductor for
wire saws, malleable
250 mm

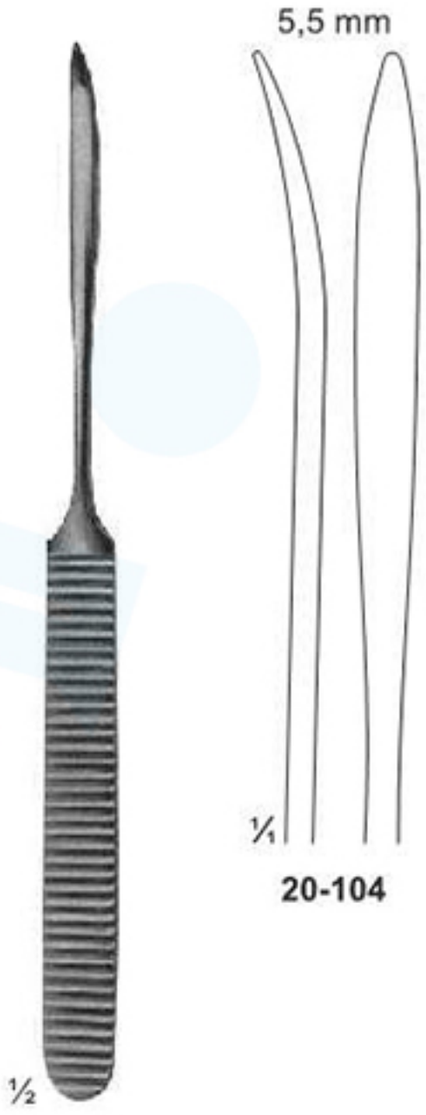
# Elevators and Bone Levers



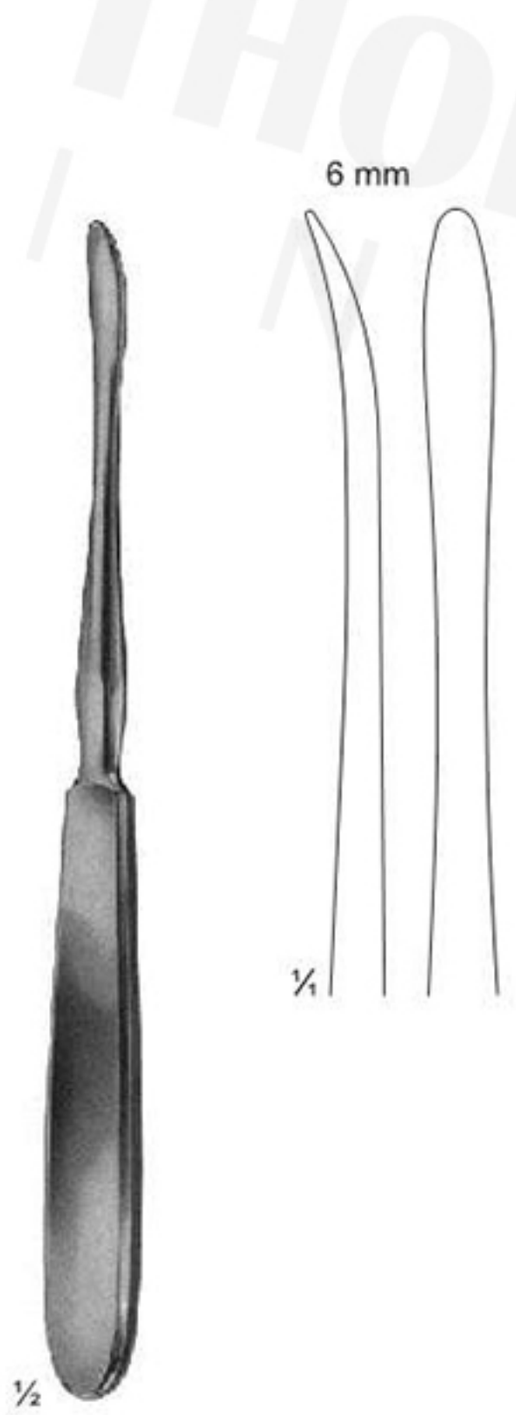

**20-101 - 102**
KONIG
155 mm



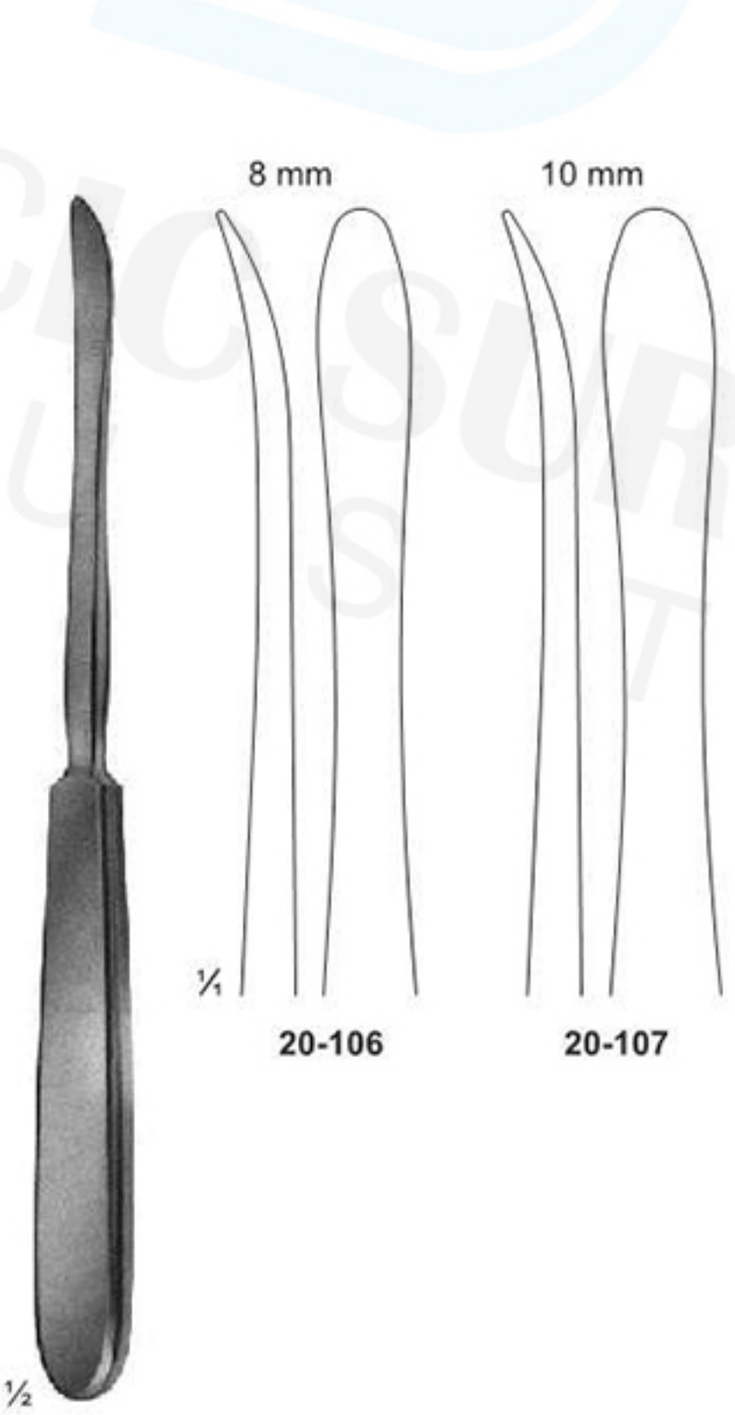

**20-103**
WILLIGER
165 mm



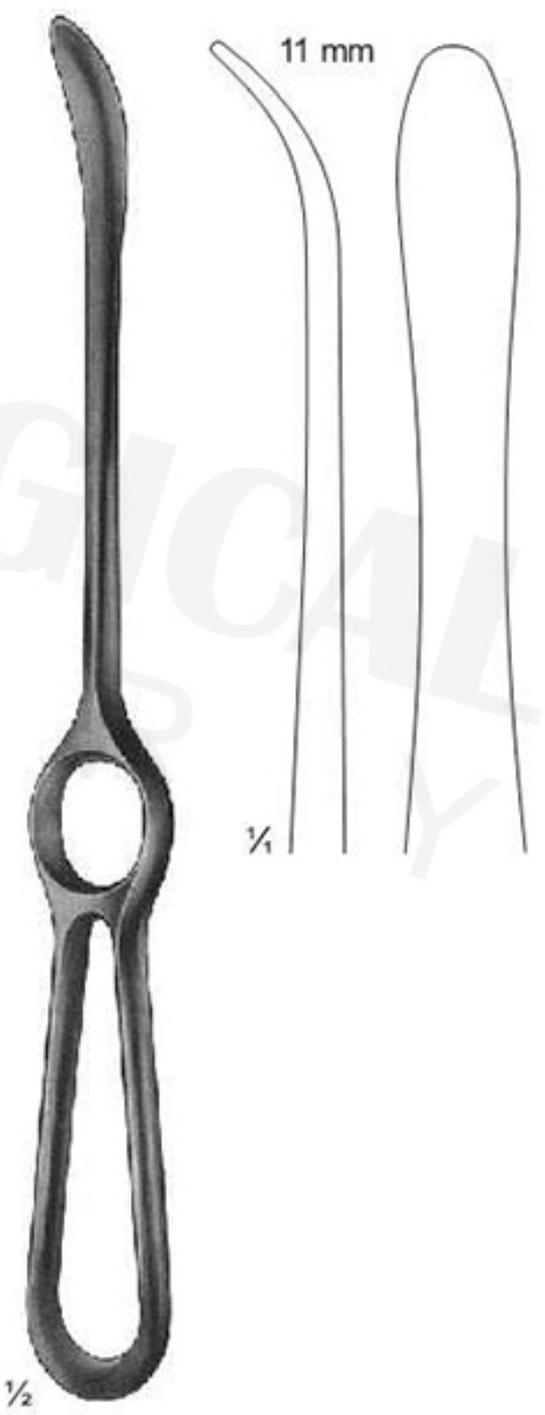

**20-104**
WILLIGER
170 mm




**20-105**
QUERVAIN
195 mm



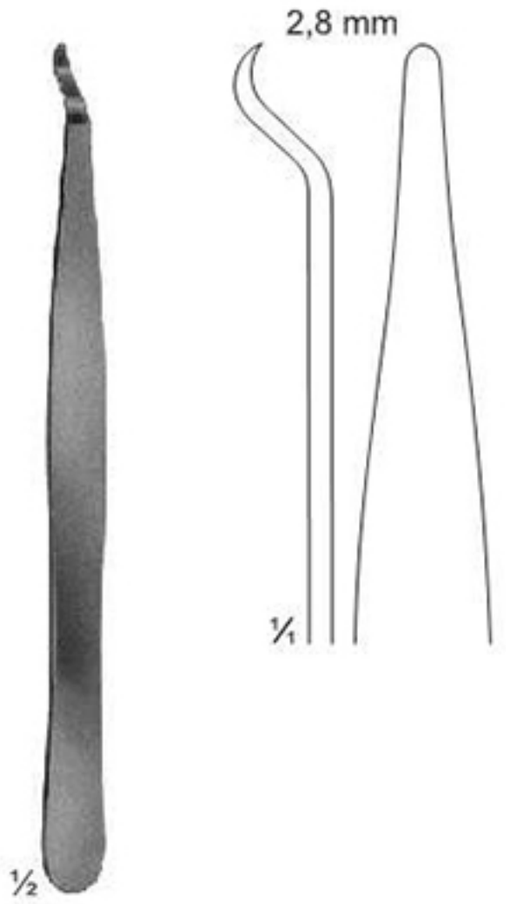

**120-106 - 107**
LANGENBACK
195 mm



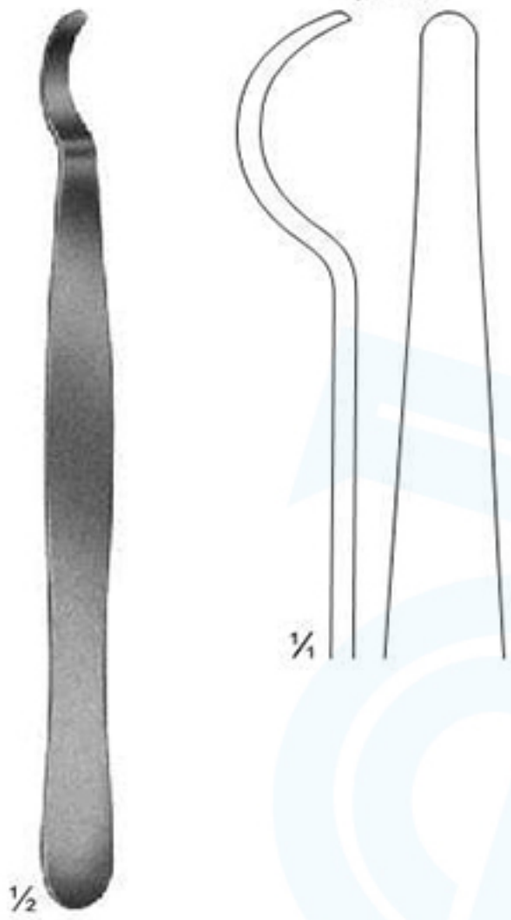

**20-108**
LANGENBACK
230mm

THORACIC SURGICAL INSTRUMENTS

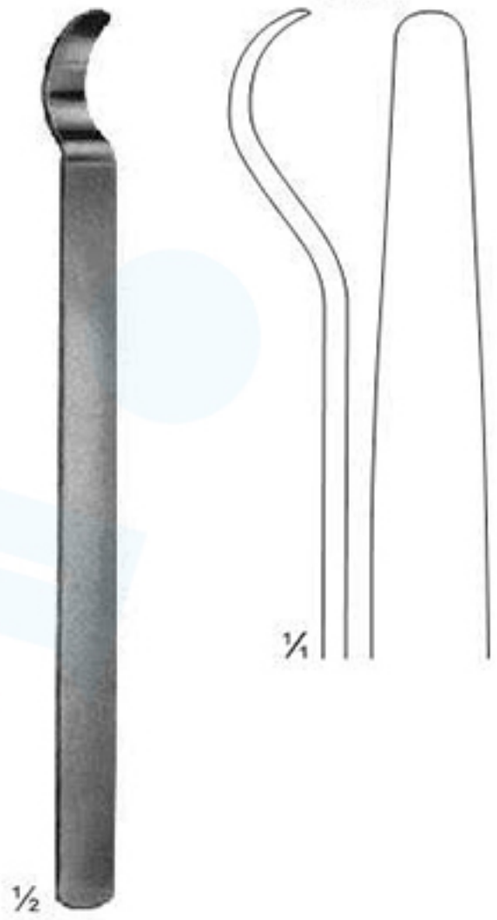
# Bone Levers



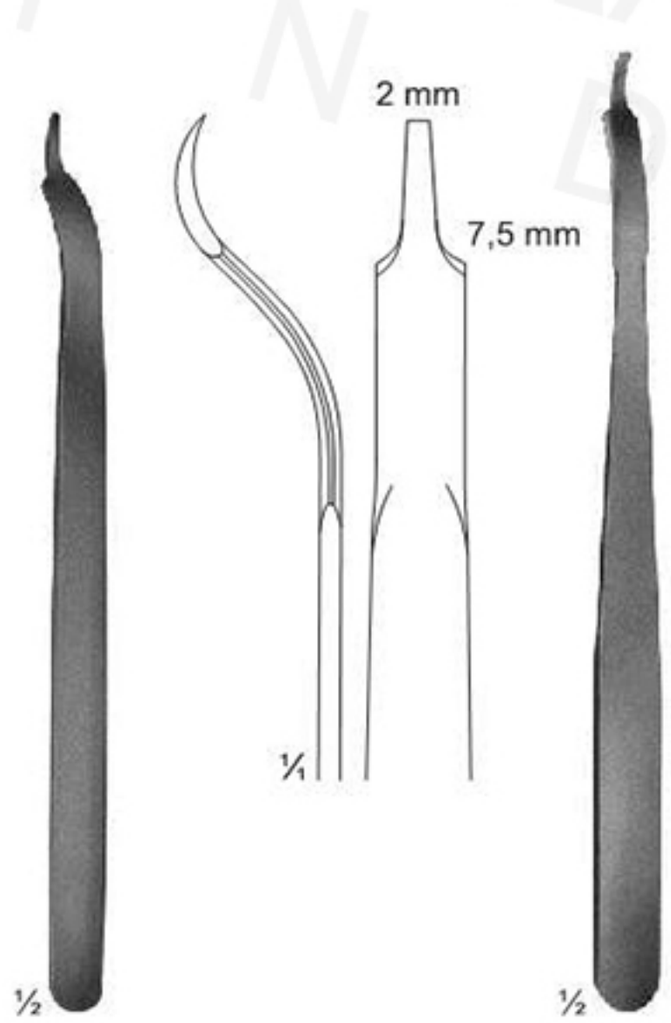

**20-109**
140mm



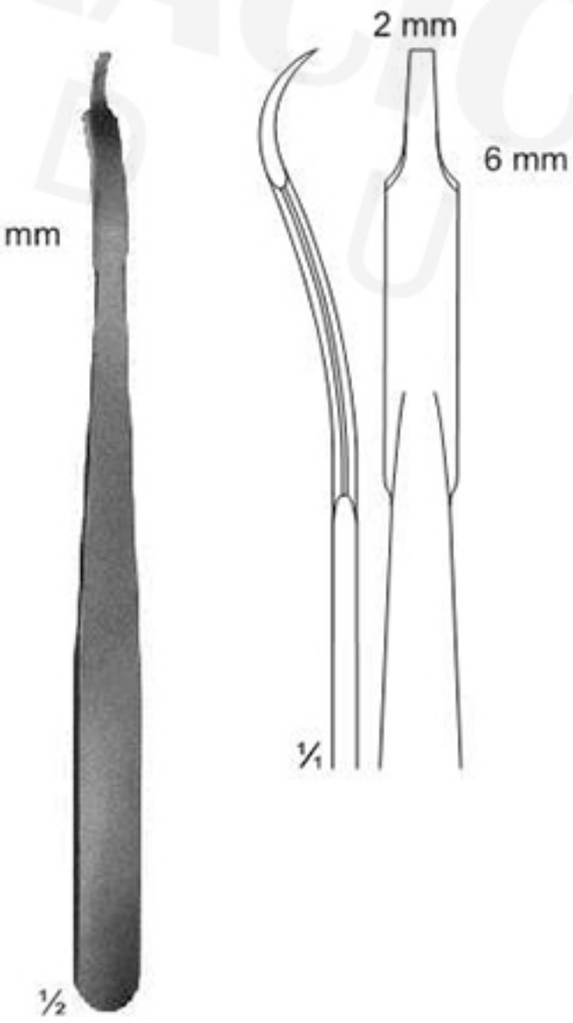

**20-110**
150mm



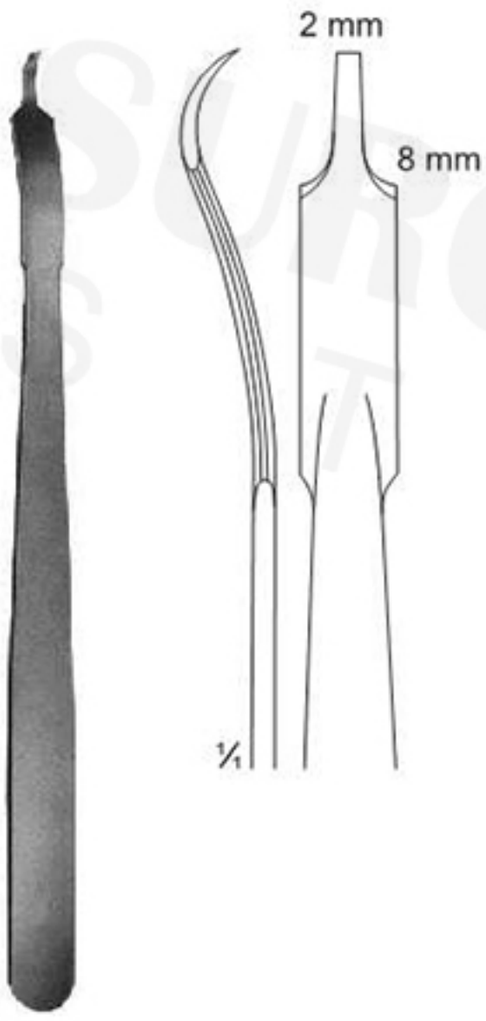

**20-111**
150mm



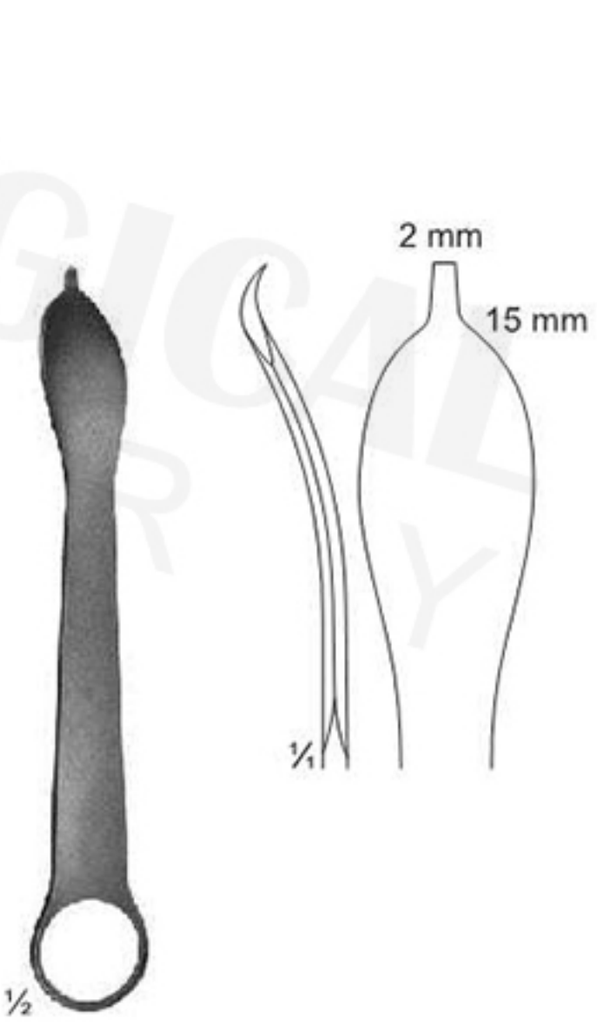

**20-112**
BUCK-GRAMCKO
150mm




**20-113**
160mm




**20-114**
160mm




**20-115**
125mm

# 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

THORACIC SURGICAL INSTRUMENTS

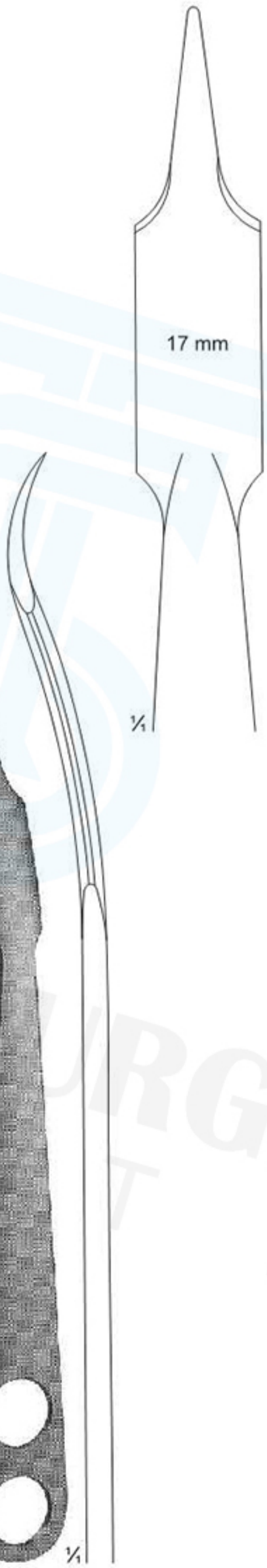
# Bone Levers



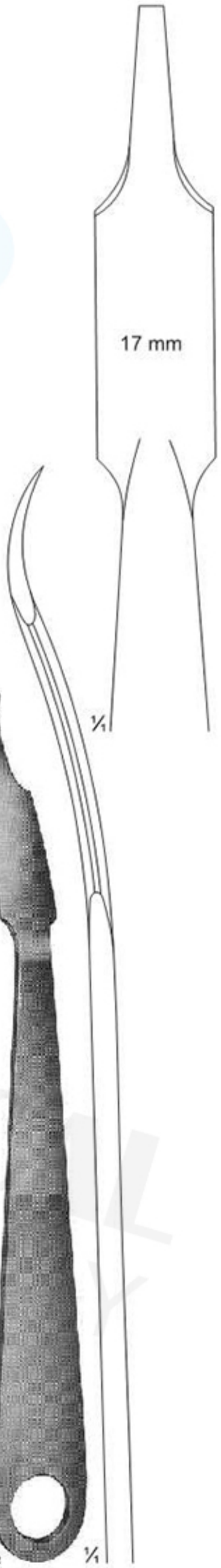

**20-121**
WAGNER
220 mm




**20-122**
220 mm




**20-123**
240 mm



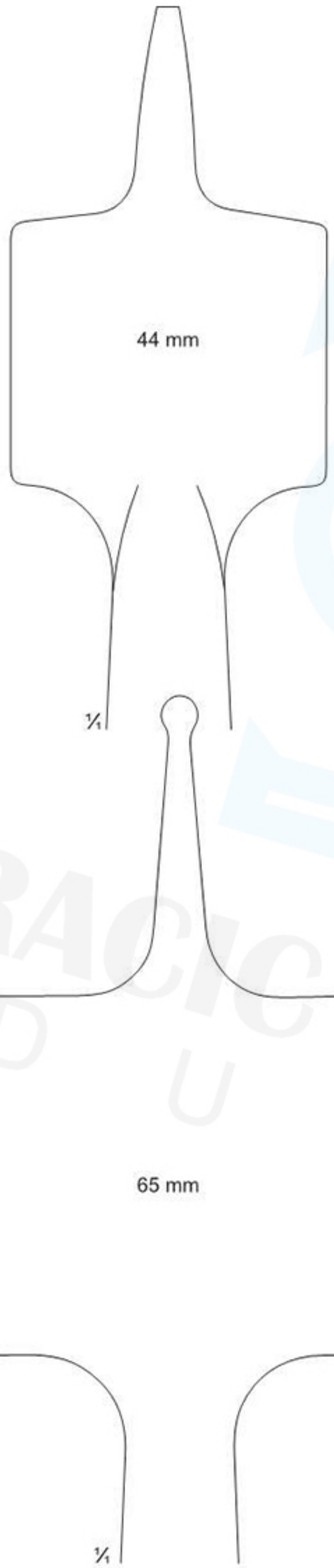

**20-124**
240 mm

THORACIC SURGICAL INSTRUMENTS

# Bone Levers



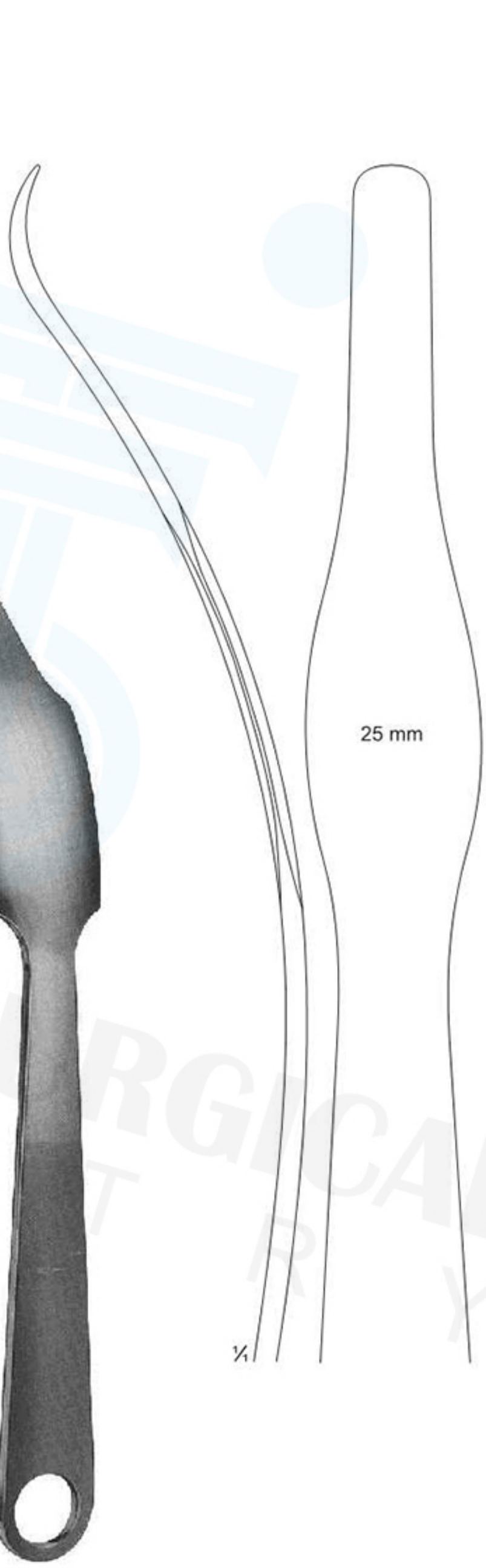

**20-125 - 126**
VERBRUGGE-MULLER
**20-125** 240 mm
**20-126** 255 mm



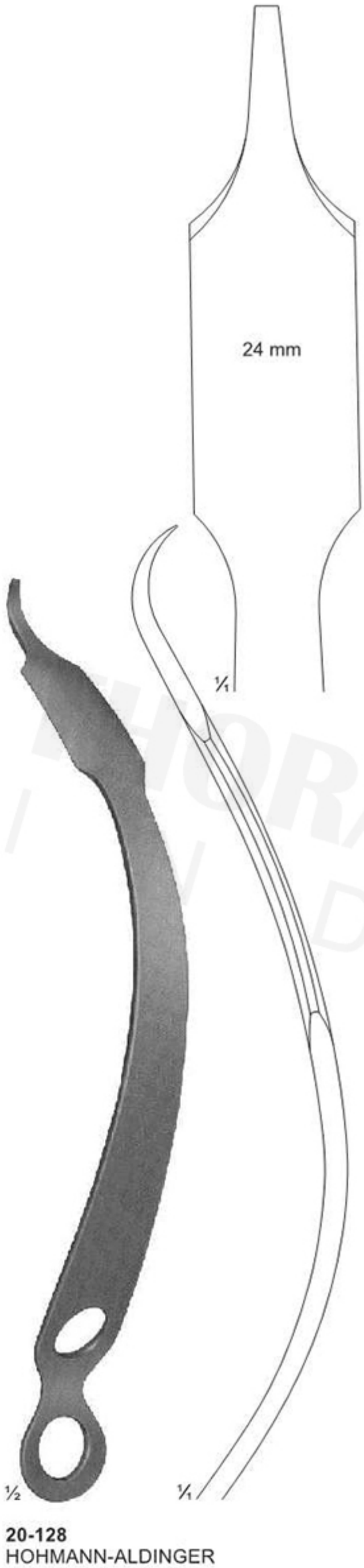




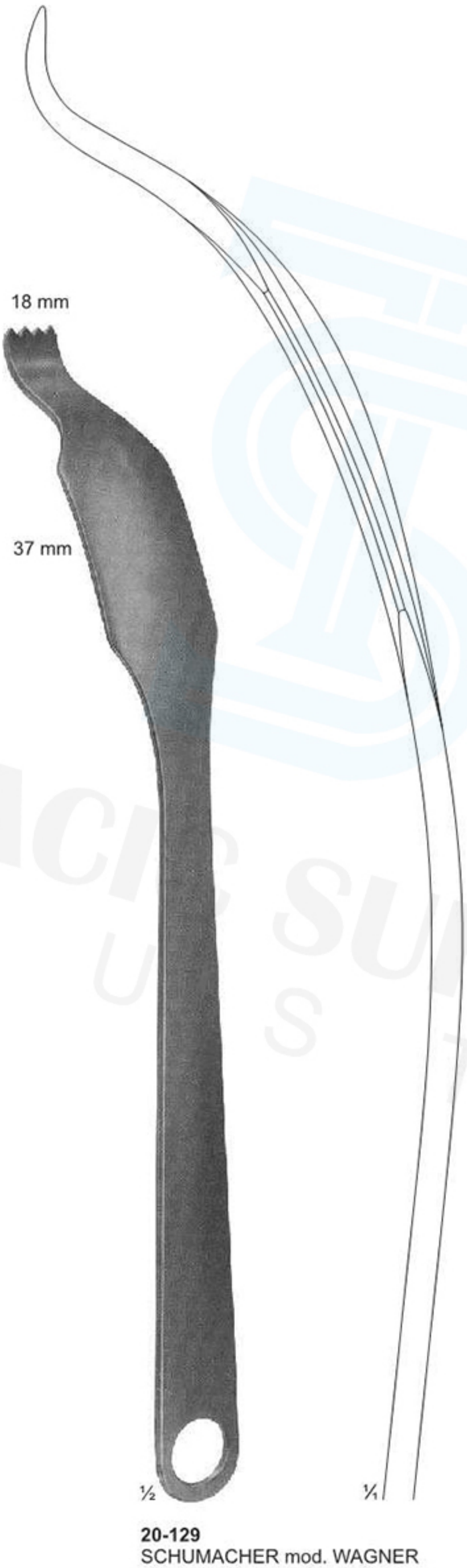
**20-127**
260 mm



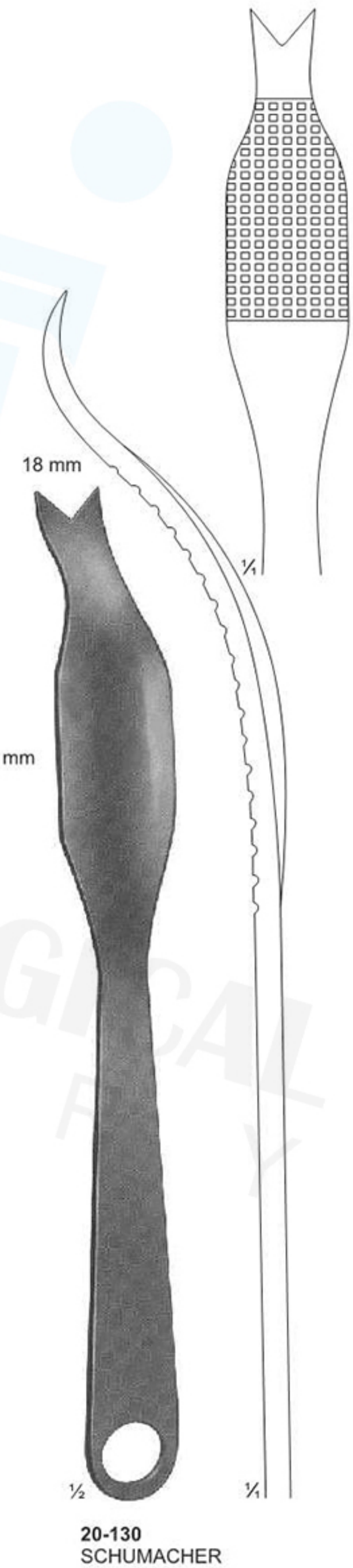

THORACIC SURGICAL INDUSTRIES




**20-128**
HOHMANN-ALDINGER
270 mm




**20-129**
SCHUMACHER mod. WAGNER
345 mm

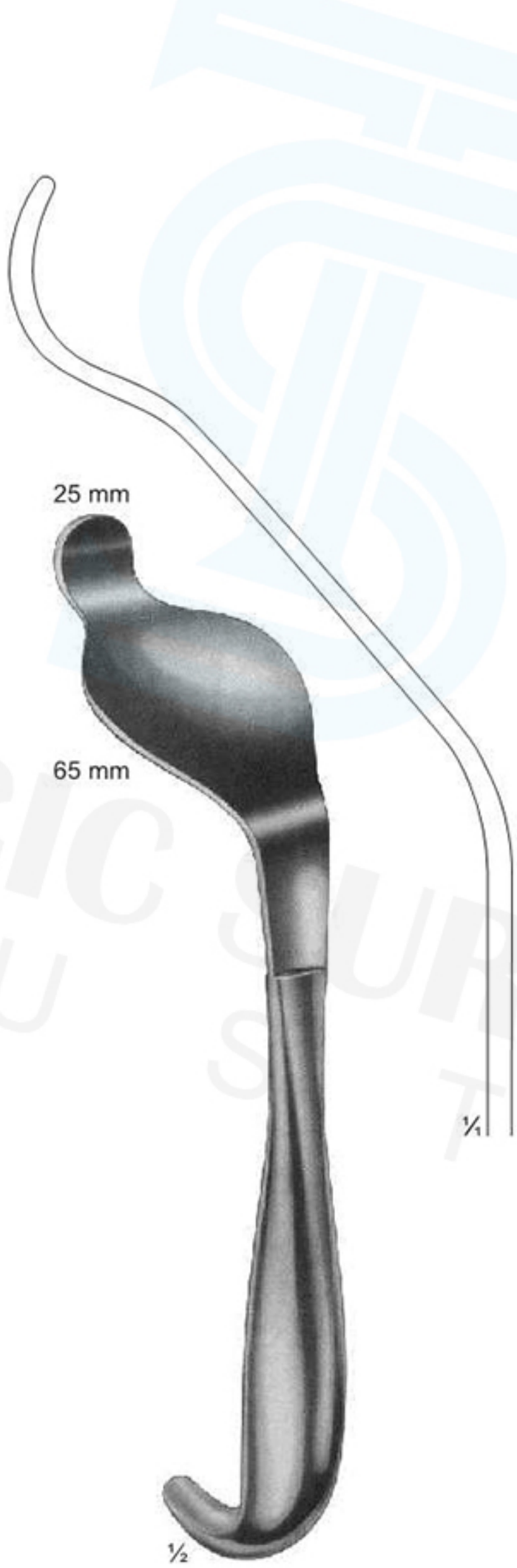



**20-130**
SCHUMACHER
290 mm

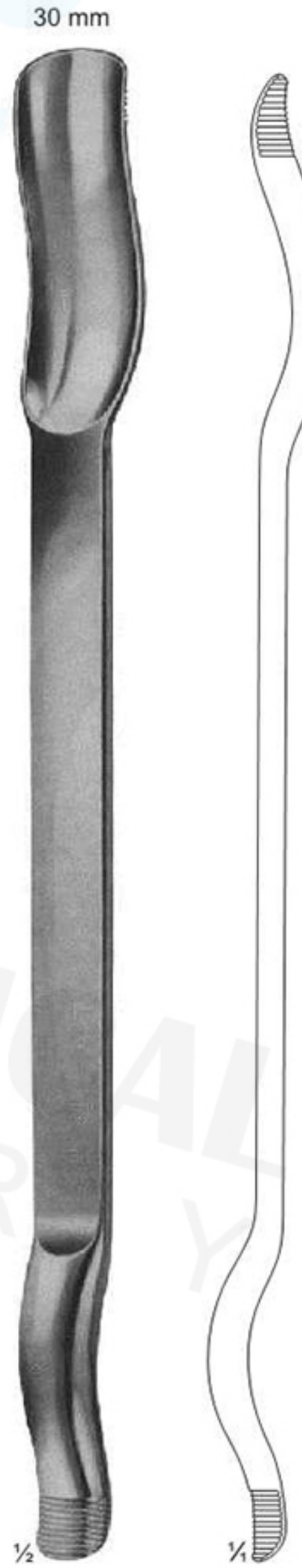
# Special Bone Levers




**20-131**
TAGER
Bone lever for
angle joint operations
175 mm

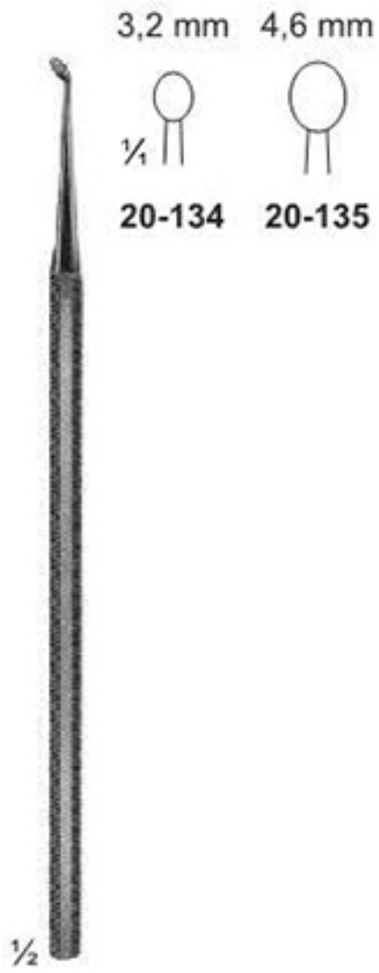



**20-132**
BENNETT
235 mm

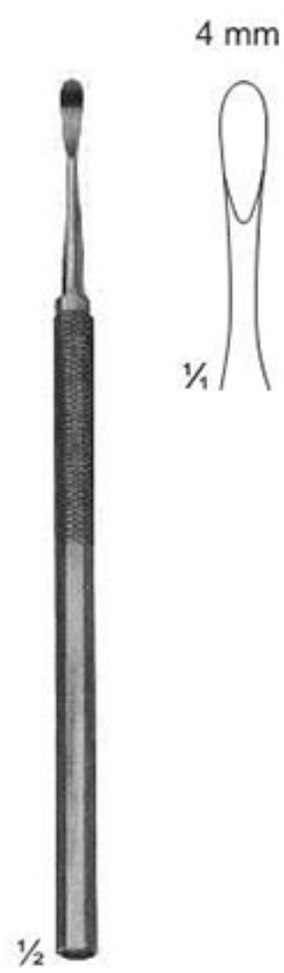



**20-133**
MURPHY-LANE
Luxation lever
340 mm

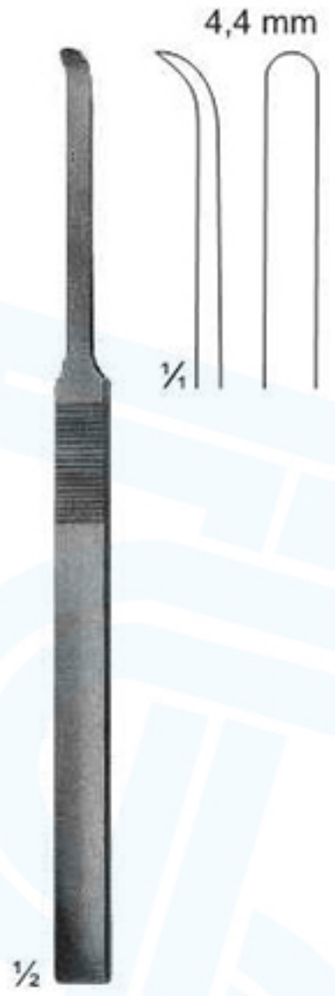
# Raspatories



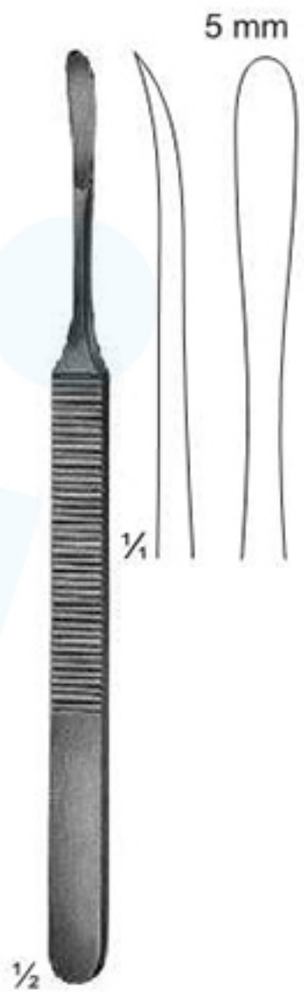

**20-134 - 135**
PARTSCH
150 mm



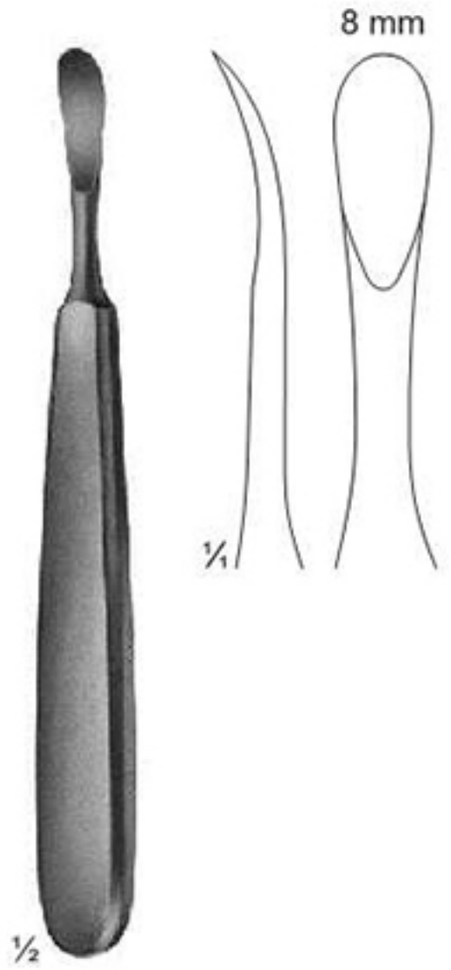

**20-136**
PARTSCH mod. LANGE
145 mm



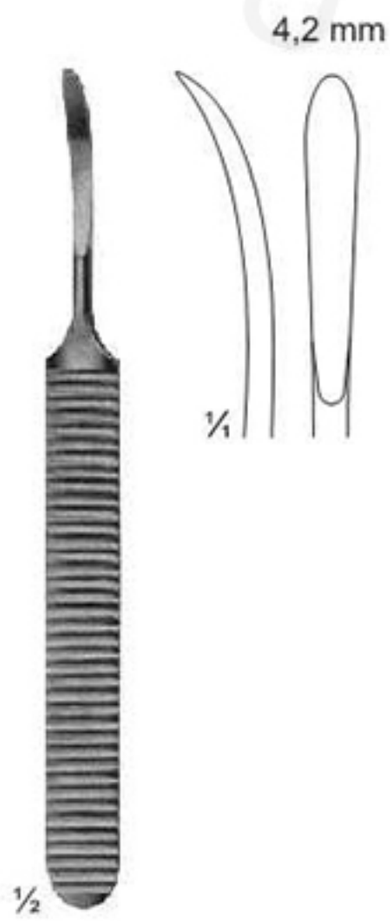

**20-137**
MC KENTY
155 mm



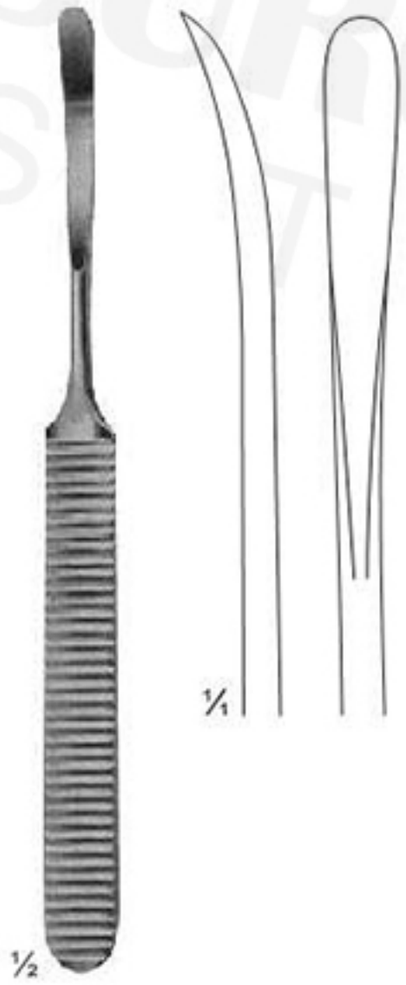

**20-138**
KONIG
155 mm



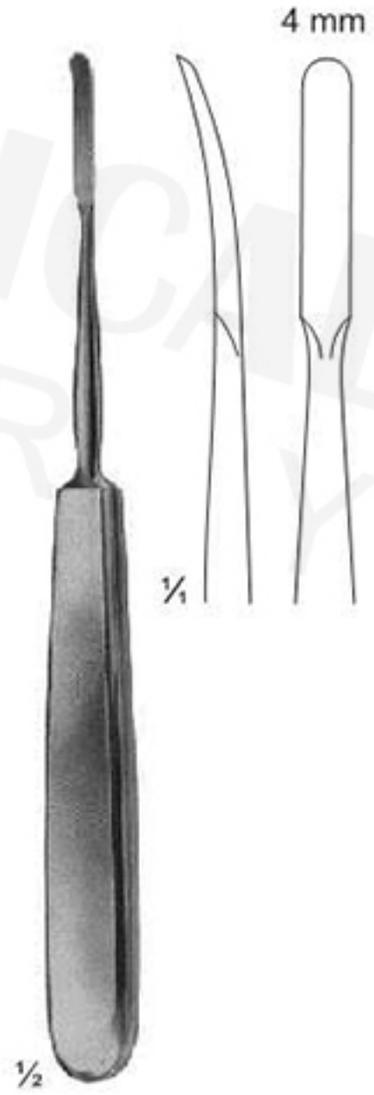

**20-139**
TRELAT
150 mm




**20-140**
WILLIGER
140 mm

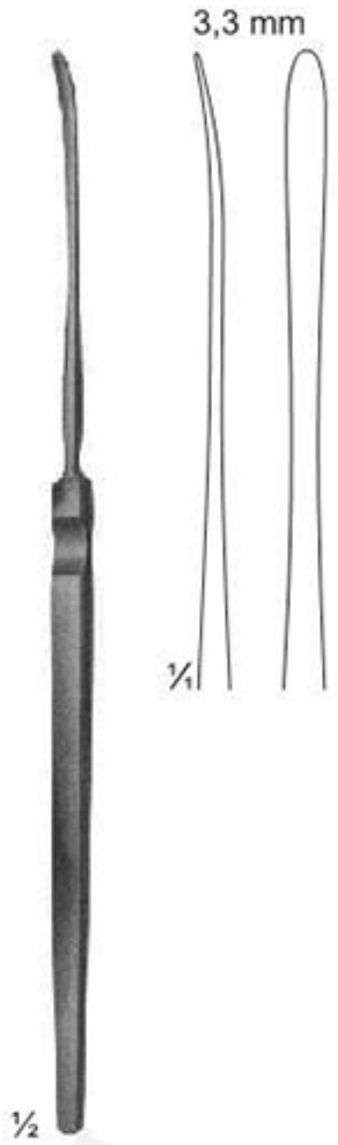



**20-141**
WILLIGER
160 mm




**20-142**
JOSEPH
170 mm

# Raspatories




**20-143**
HALLE
stumfp/blunt
180 mm




**20-144**
FREER
stumfp/blunt
190 mm

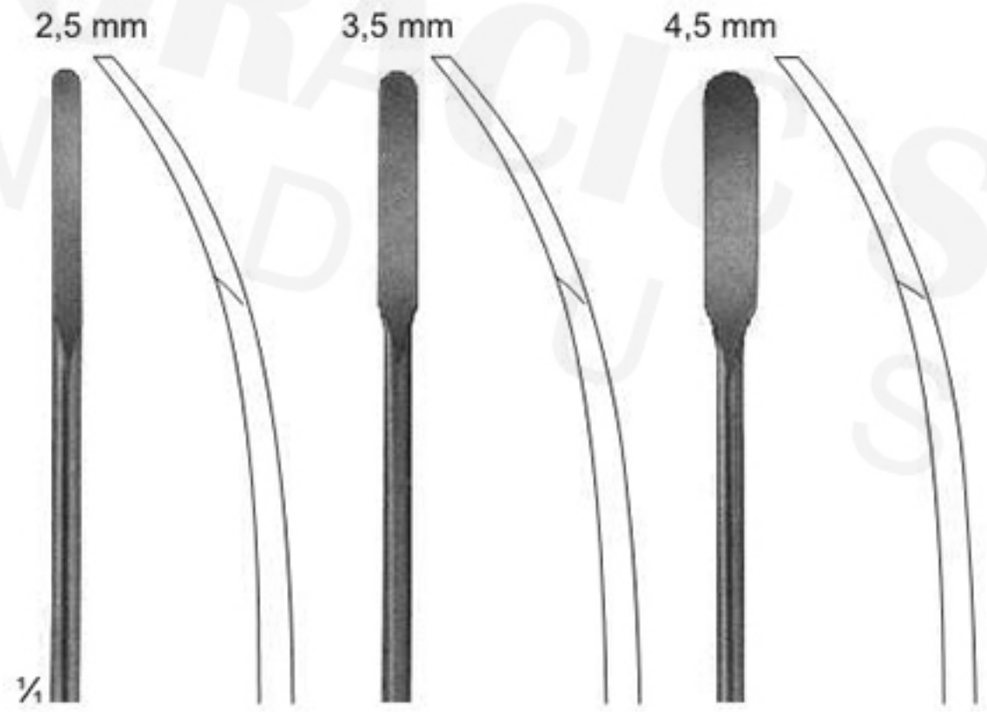



**20-145**
FREER
stumfp/sharp
190 mm




**20-146**
SEWALL
stumfp/blunt
190 mm




**20-147 - 149**
PAULSEN
205 mm

**20-147**

**20-148**

**20-149**





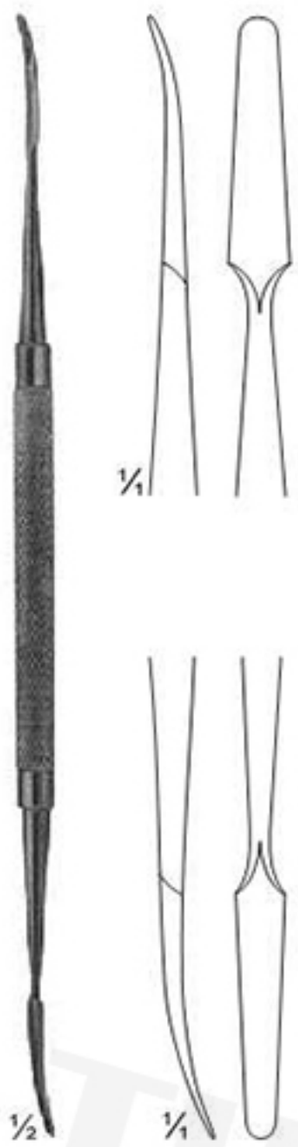


**20-150 - 151**
PAULSEN
205 mm

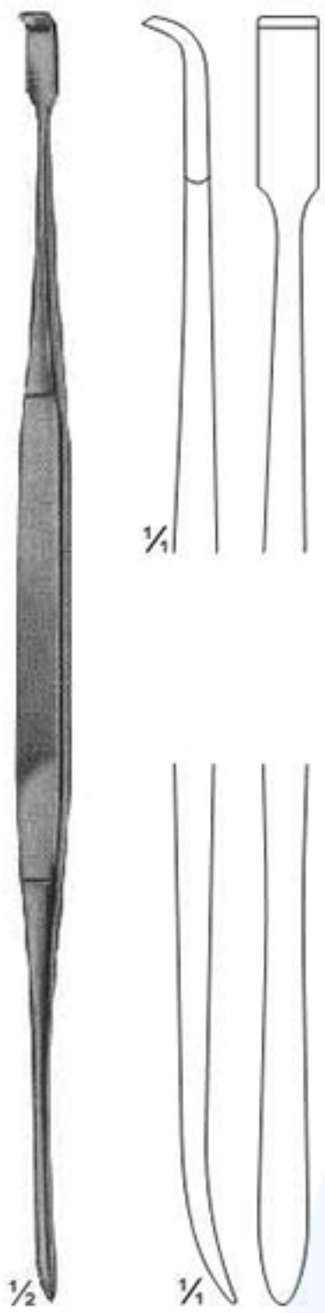
**20-150**

**20-151**

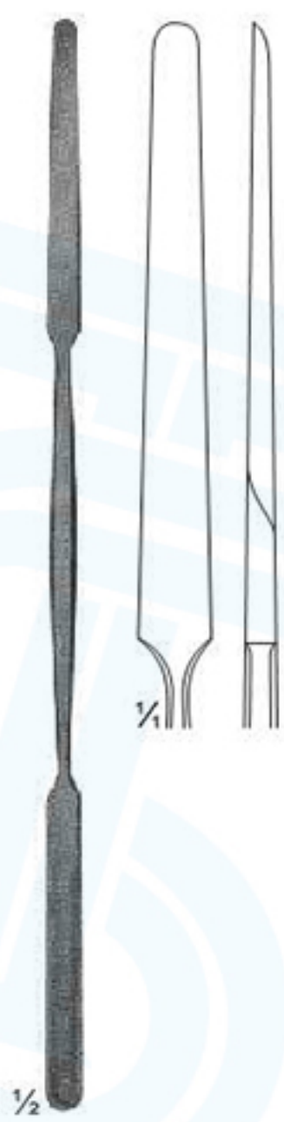
# Raspatories



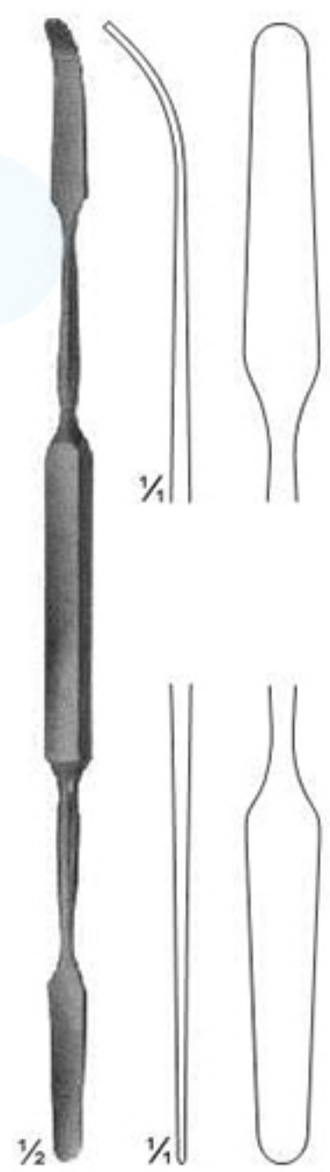

**20-152**
KILLIAN
sharp/blunt
185 mm



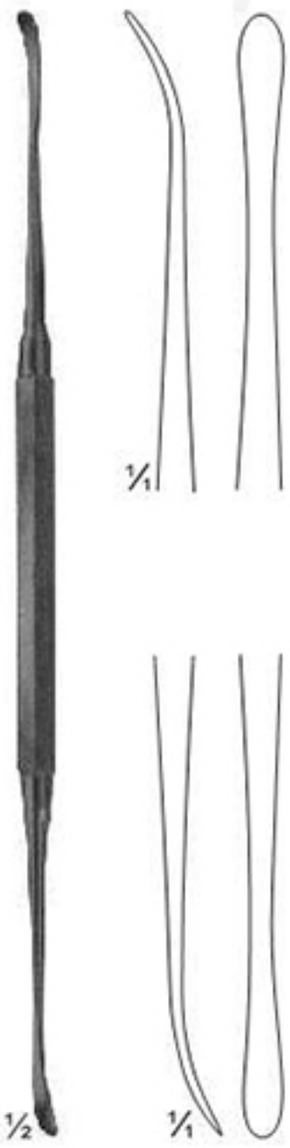

**20-153**
HOWARTH
sharp/blunt
215 mm



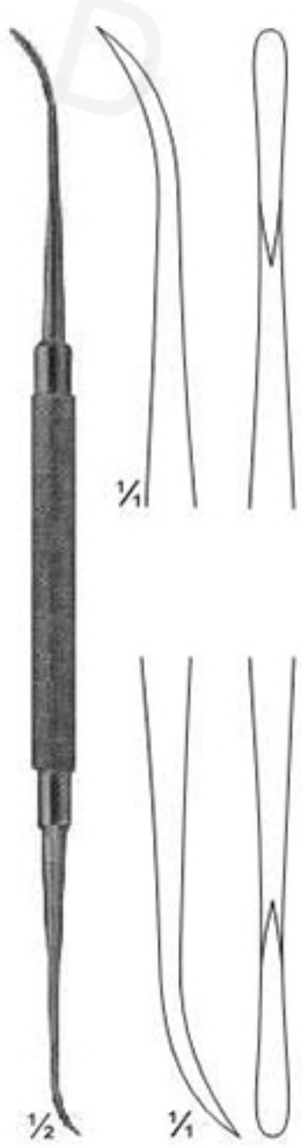

**20-154**
KILLIAN
sharp/blunt
185 mm



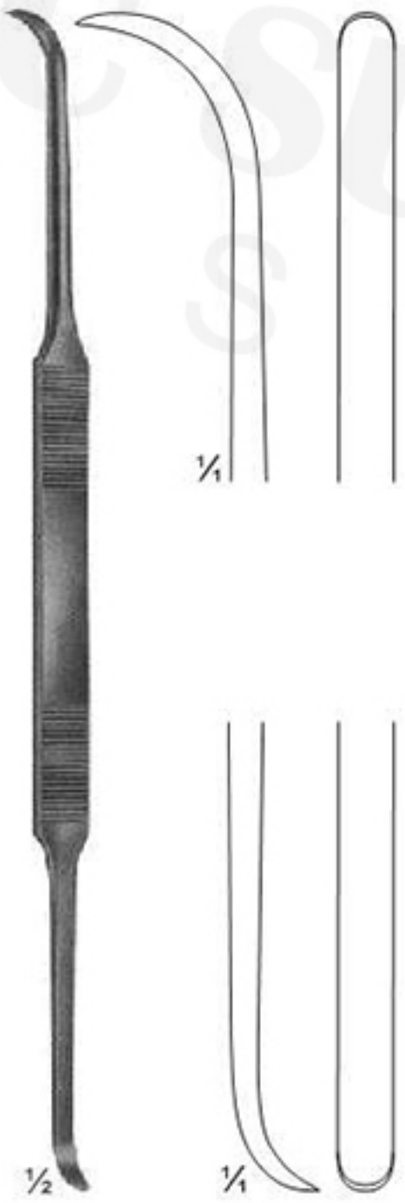

**20-155**
MAC DONALD
blunt/blunt
185 mm



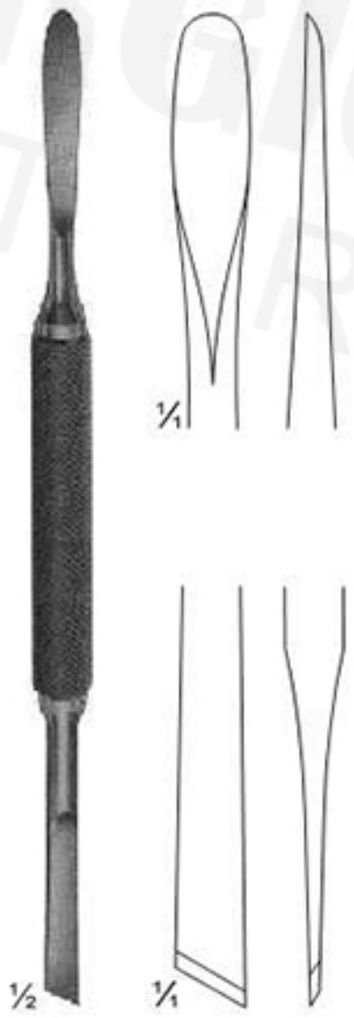

**20-156**
FREER
sharp/blunt
185 mm



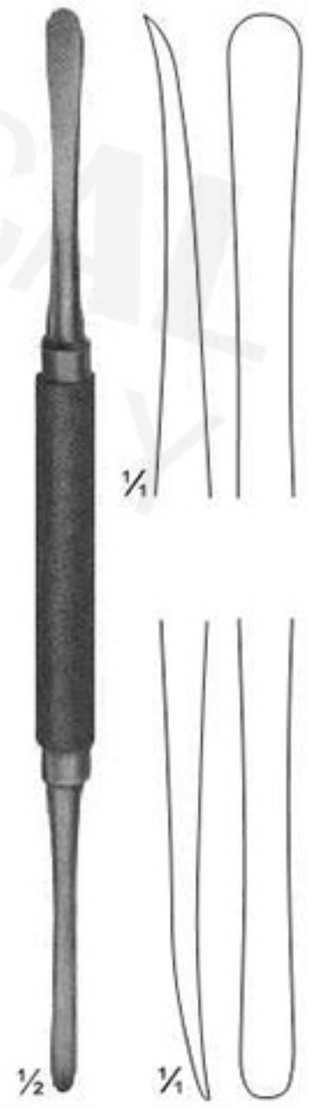

**20-157**
FREER-YASARGIL
sharp/sharp
185 mm




**20-158**
COTTLE
sharp/sharp
200 mm




**20-159**
MEAD
sharp/sharp
165 mm

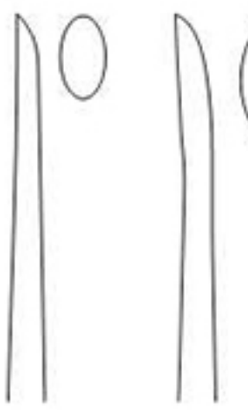



**20-160**
MOLT
sharp/sharp
180 mm

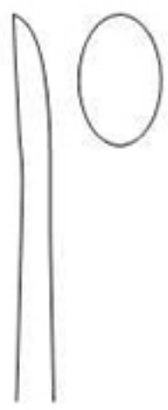
# Raspatories



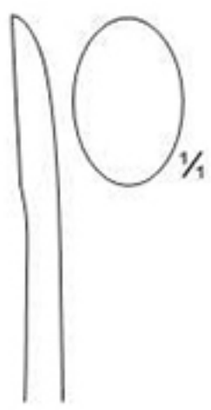
**20-161 - 174**
MANNERFET
155 mm



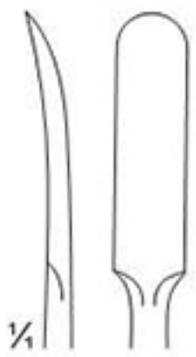
**20-161**
4 mm



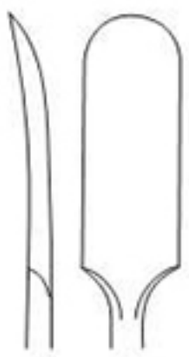
**20-162**
7 mm



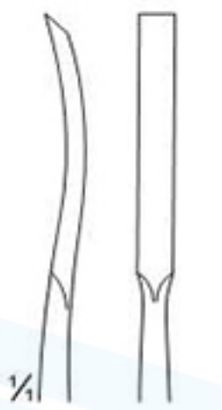
**20-163**
9 mm



**20-164**
3 mm



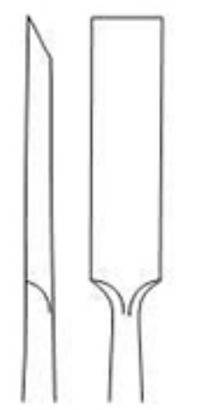
**20-165**
6 mm



**20-166**
6 mm



**20-167**
6 mm



**20-168**
8 mm



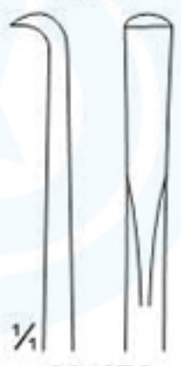
**20-169**
4 mm



**20-170**
5 mm



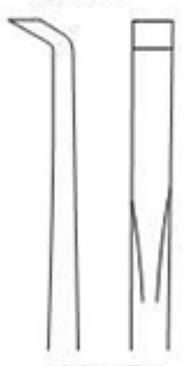
**20-171**
6 mm



**20-172**
4 mm
90°



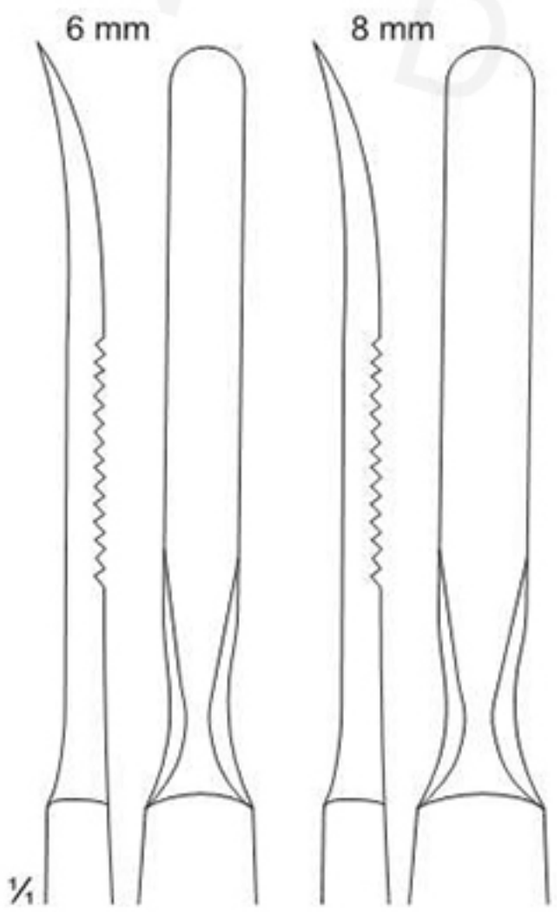
**20-173**
6 mm
90°



**20-174**
3,5 mm
45°



**20-175 - 176**
165 mm

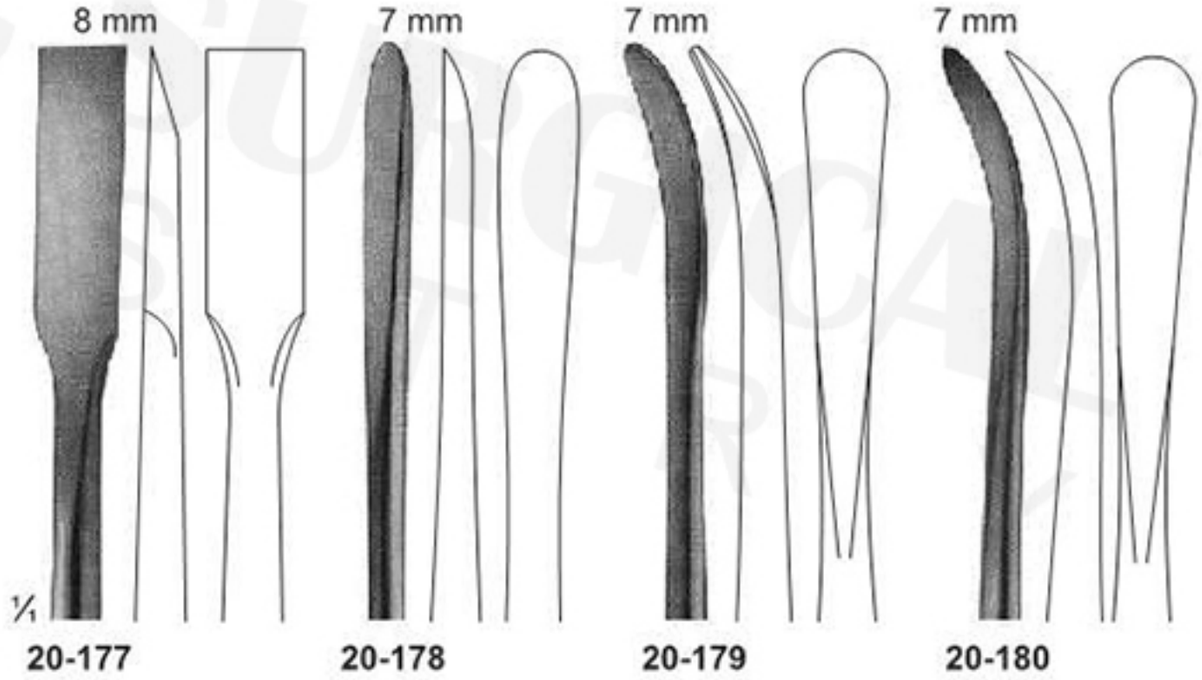



**20-175**

**20-176**



**20-177 - 180**
ADSON
170 mm




**20-177**

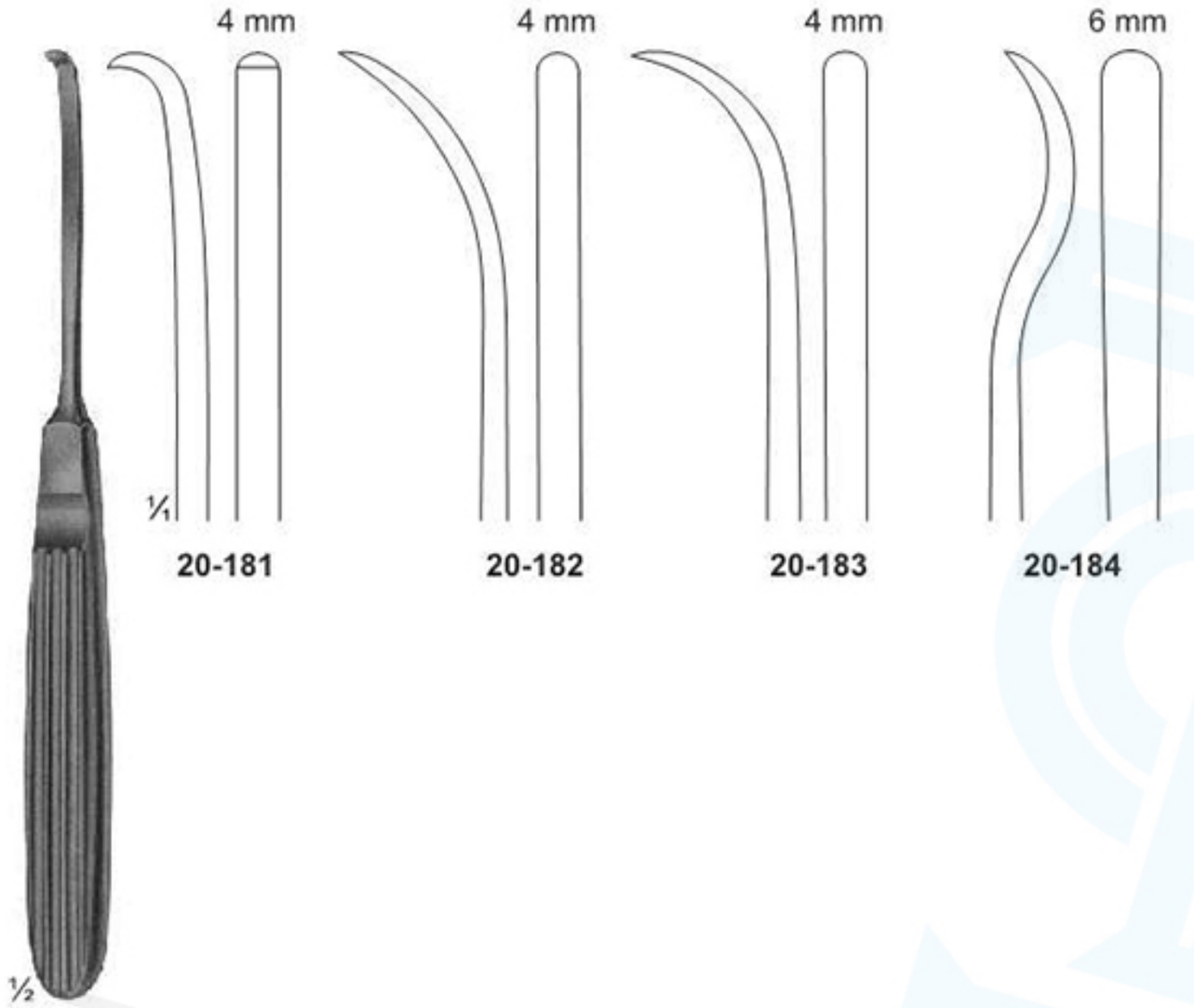
**20-178**

**20-179**

**20-180**

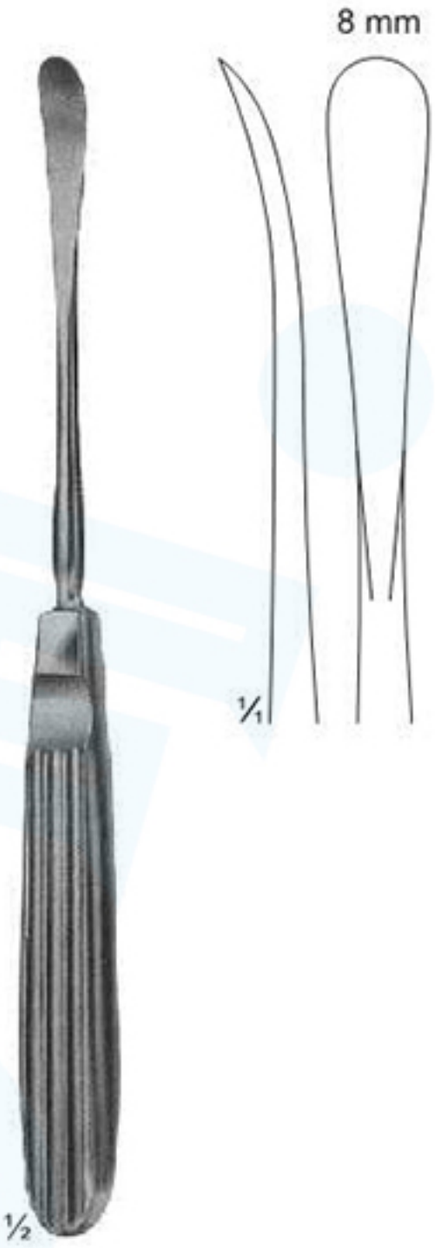
THORACIC SURGICAL INSTRUMENTS

# Raspatories




**20-181**
**20-182**
**20-183**
**20-184**

**20-181 - 184**
MUHLING
170 mm




**20-185**
COTTLE
175 mm




**20-189**
**20-190**

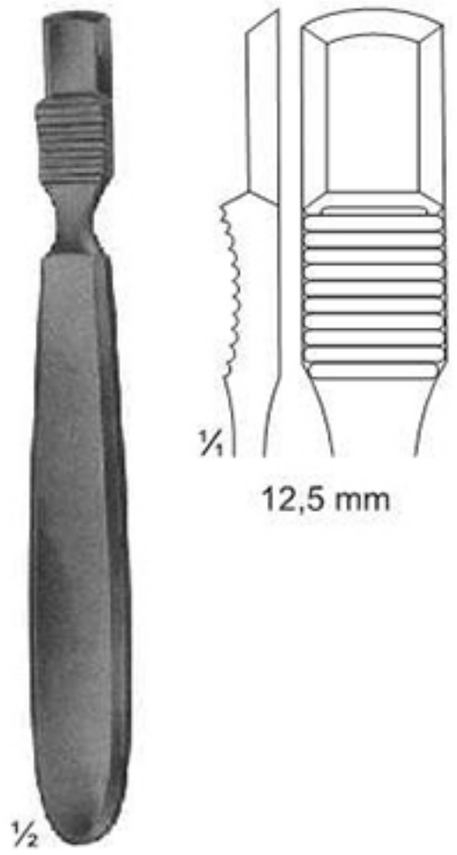
**20-186**
LANDOT
175 mm

**20-187**
CASPER
180 mm

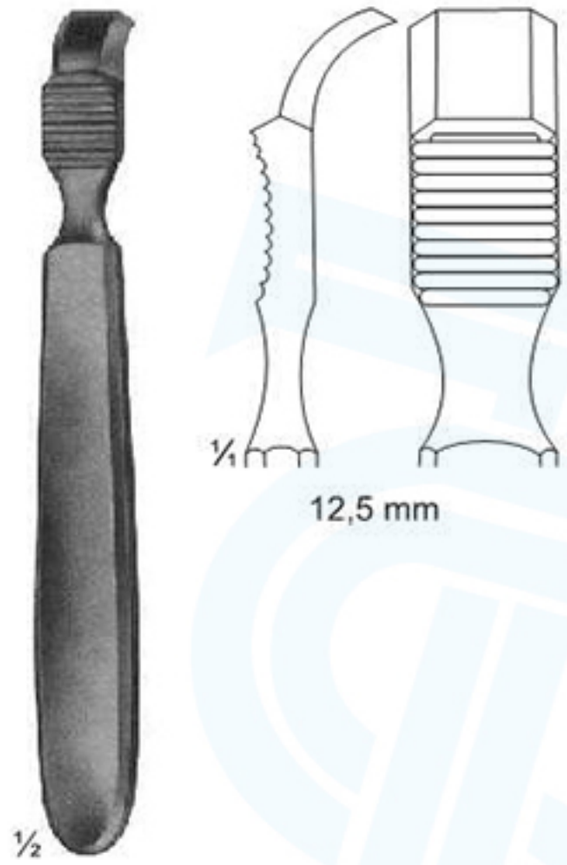
**20-188**
CASPER
180 mm

**20-189 - 190**
170 mm

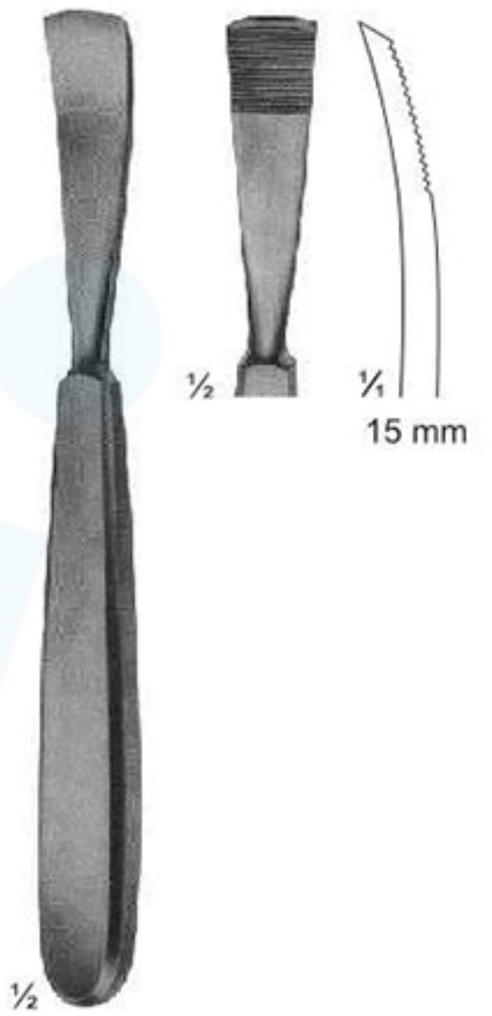
# Raspatories



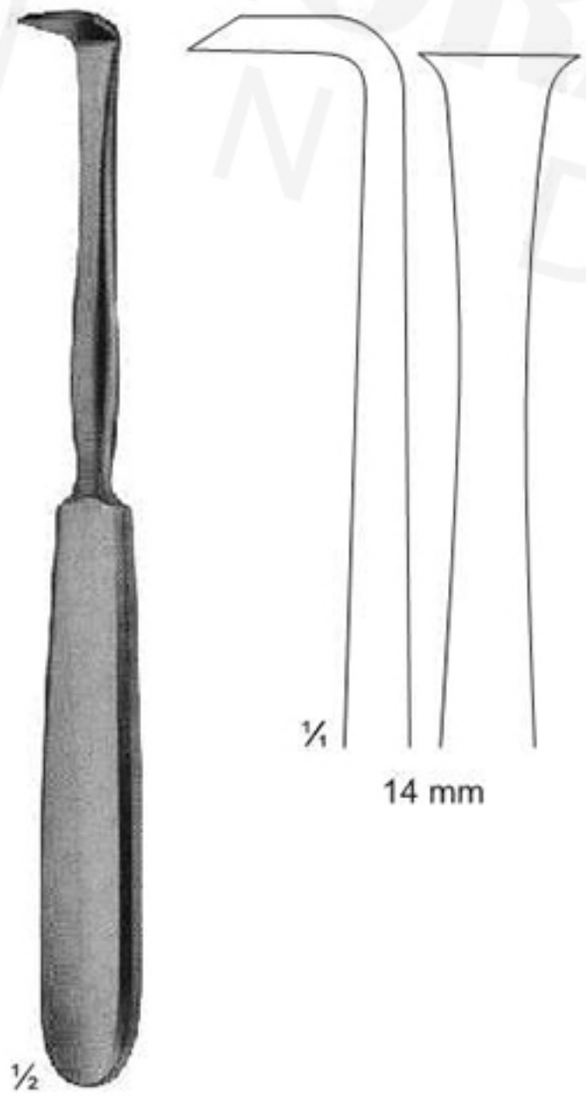

**20-191**
FARABEUF
140 mm



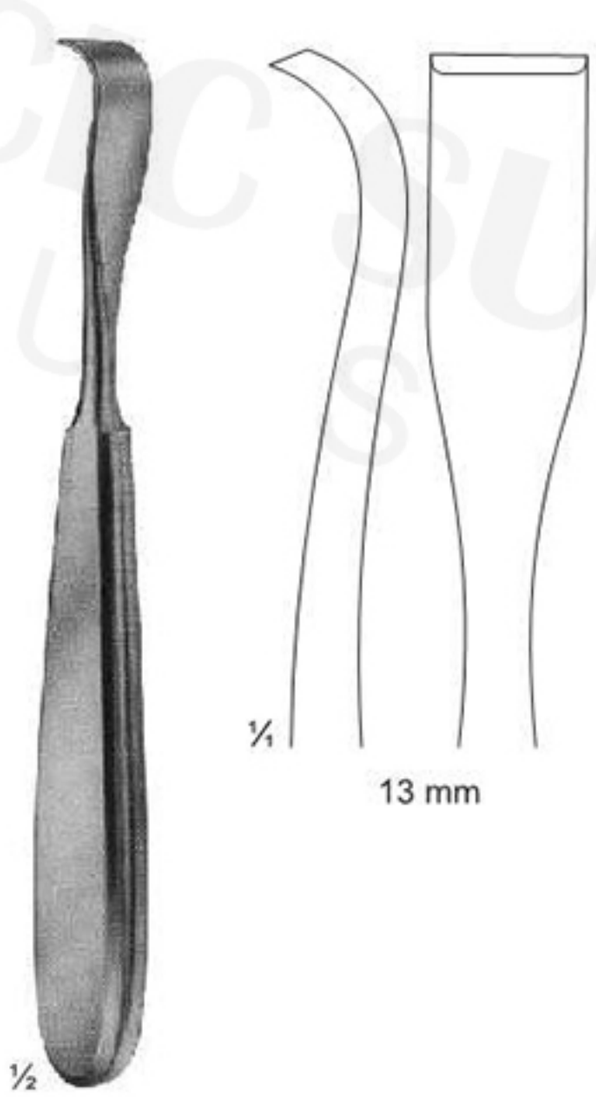

**20-192**
FARABEUF
140 mm



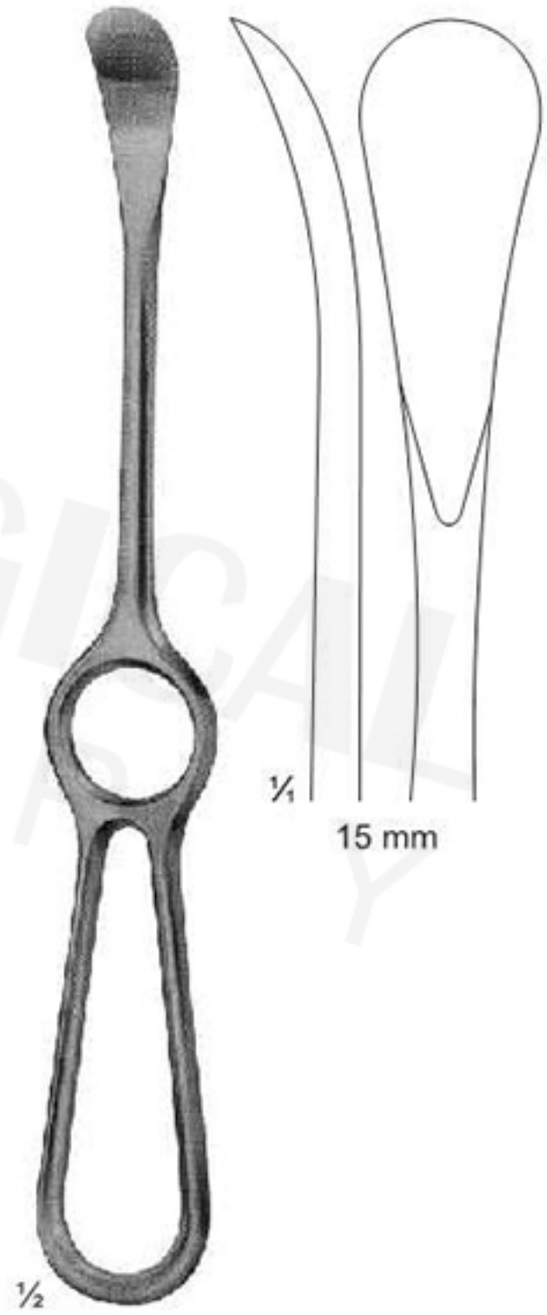

**20-193**
JANSEN
165 mm




**20-194**
LANGENBACK
180 mm




**20-195**
SCHNEIDER
175 mm

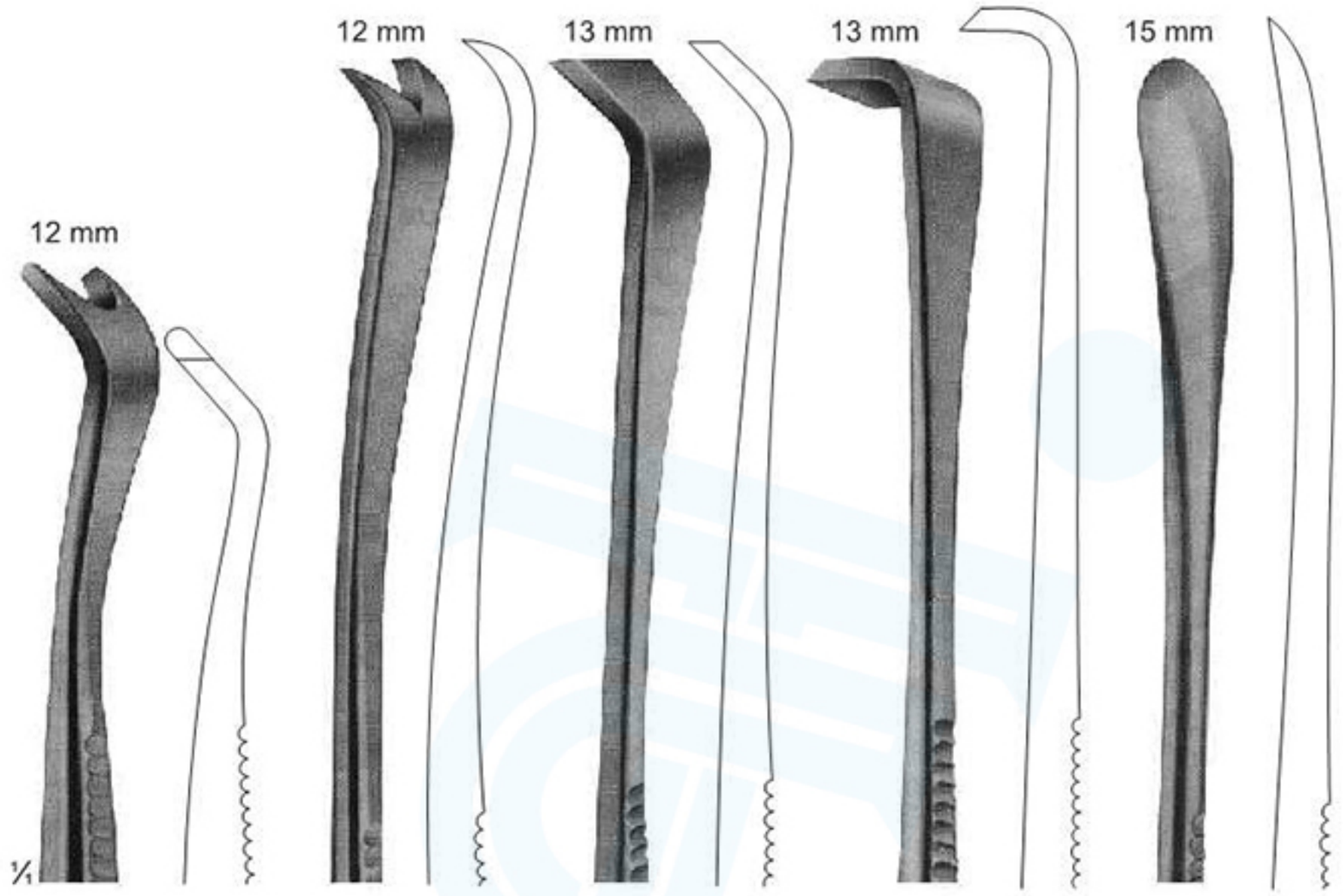



**20-196**
SEDILLOT
215 mm

# Raspatories



20-197 - 201
SEMB
230 mm

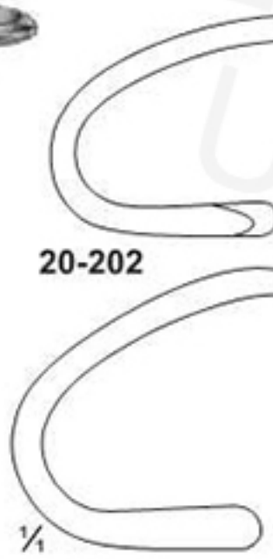



20-197 20-198 20-199 20-200 20-201

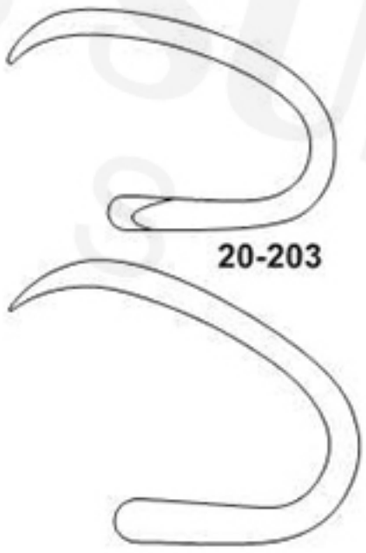



20-206 20-207






20-202 20-204



20-203 20-205



20-202 - 203
DOYEN
for children
20-204 - 205
for adults
175 mm

20-206 - 207
DOYEN
240 mm

THORACIC SURGICAL INSTRUMENTS

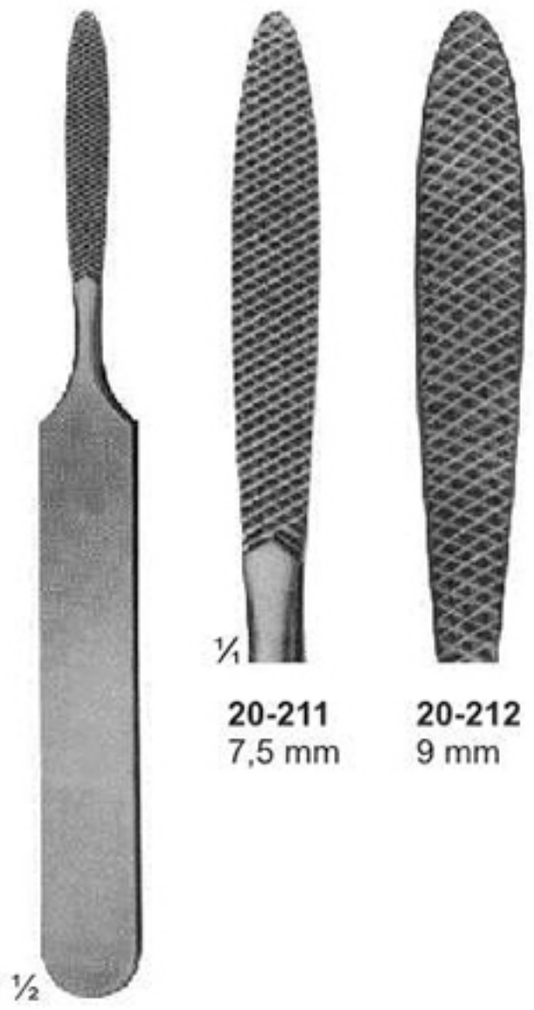
# Raspatories with HARTPRESS-handle




**20-208**
275 mm

**20-209 - 210**
WAGNER
330 mm

# Bone File and Rasps

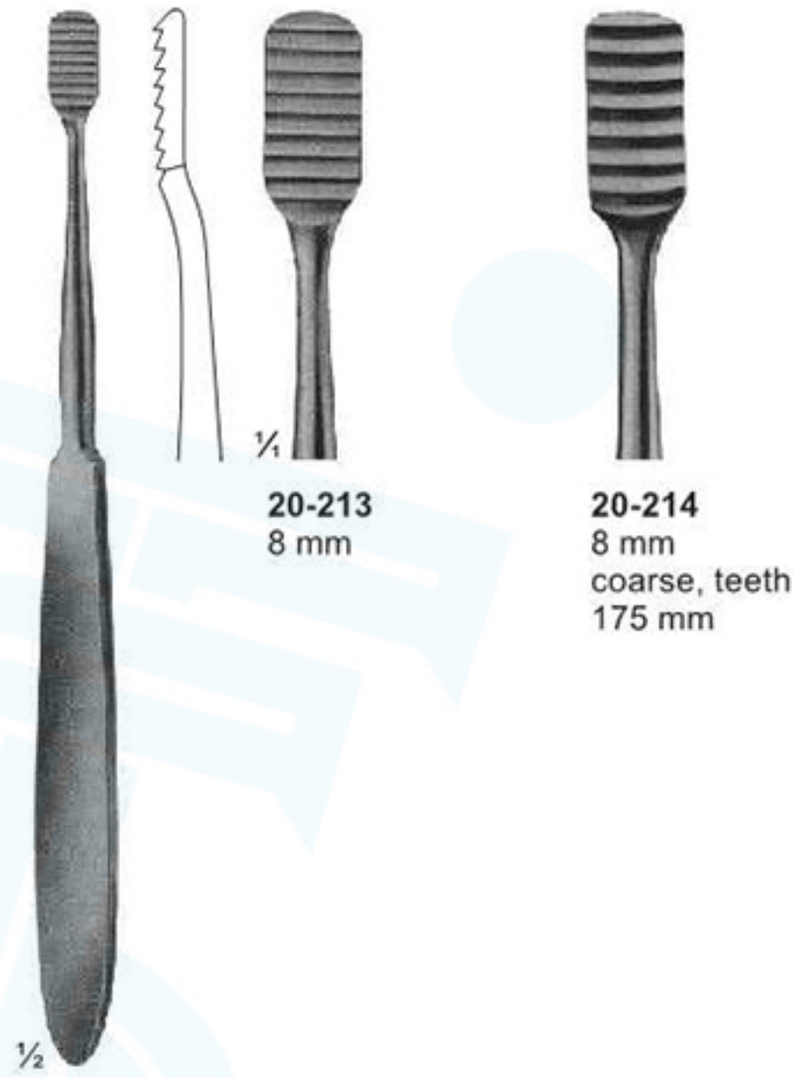



**20-211**
7,5 mm

**20-212**
9 mm

**20-211**
JOSEPH
fine, chequered

**20-212**
coarse, chequered
165 mm



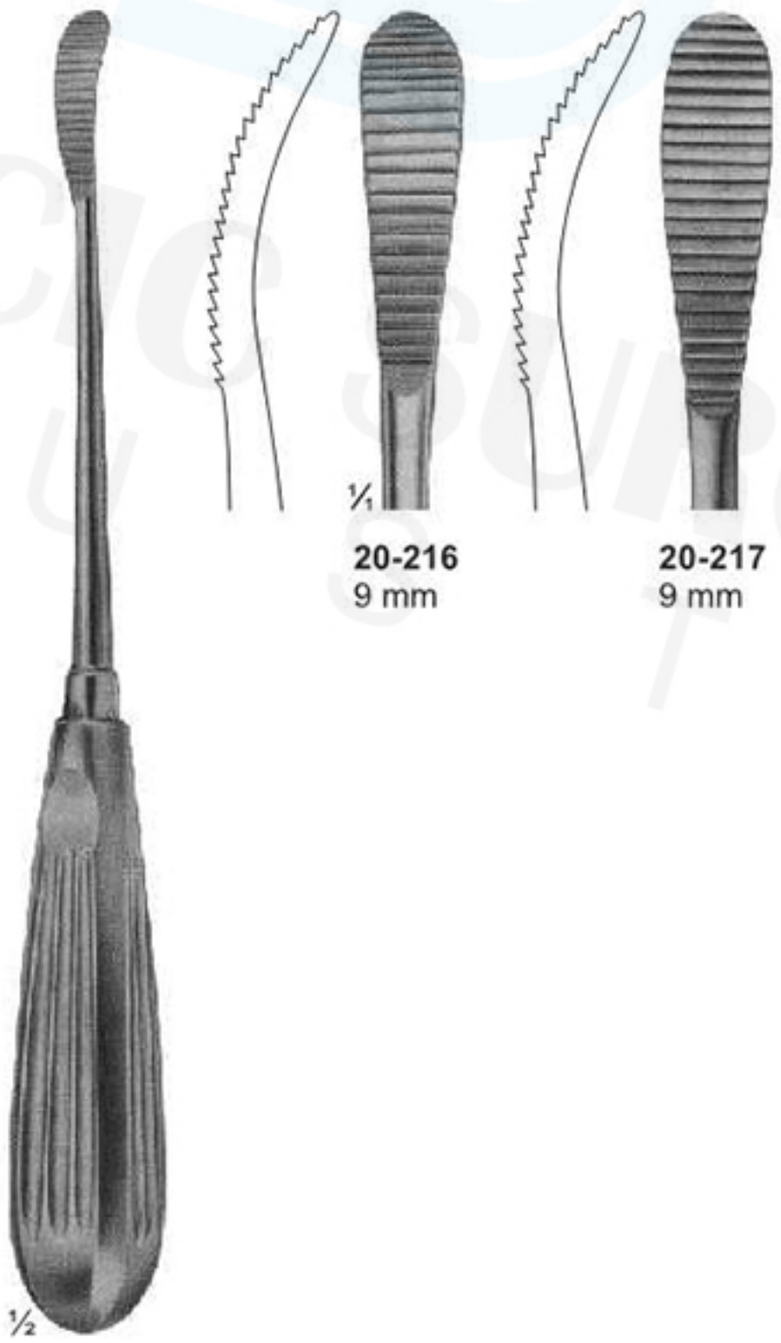

**20-213**
8 mm

**20-214**
8 mm
coarse, teeth
175 mm

**20-213**
LEWIS
fine, teeth




9 mm




**20-216**
9 mm

**20-217**
9 mm




6,5 mm

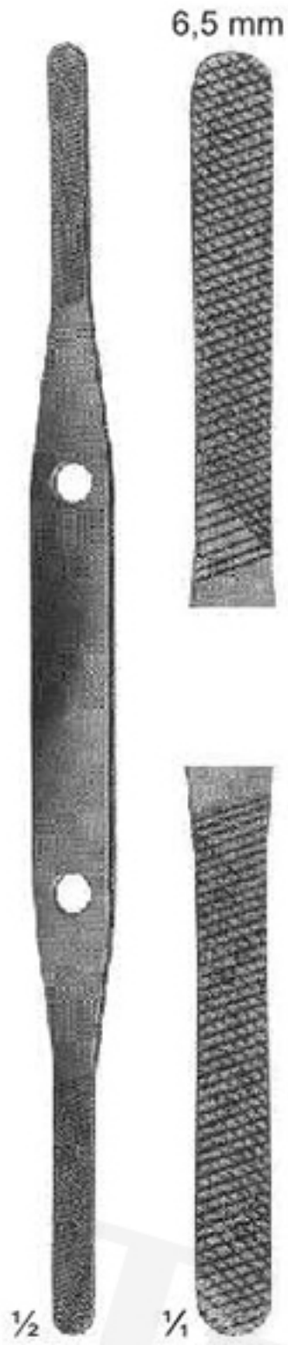
**20-215**
MALTZ
down stroke
180 mm

**20-216**
AUFRICHT
up stroke

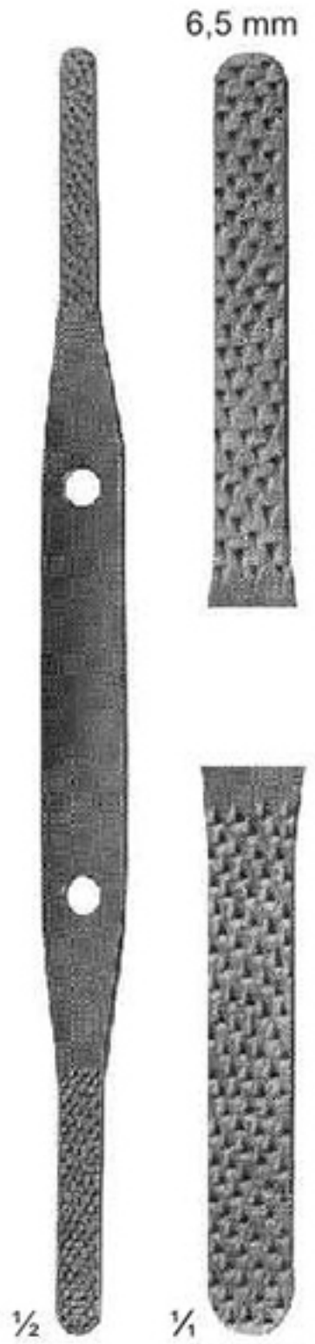
**20-217**
down stroke
220 mm

**20-218**
GALLAHER
190 mm

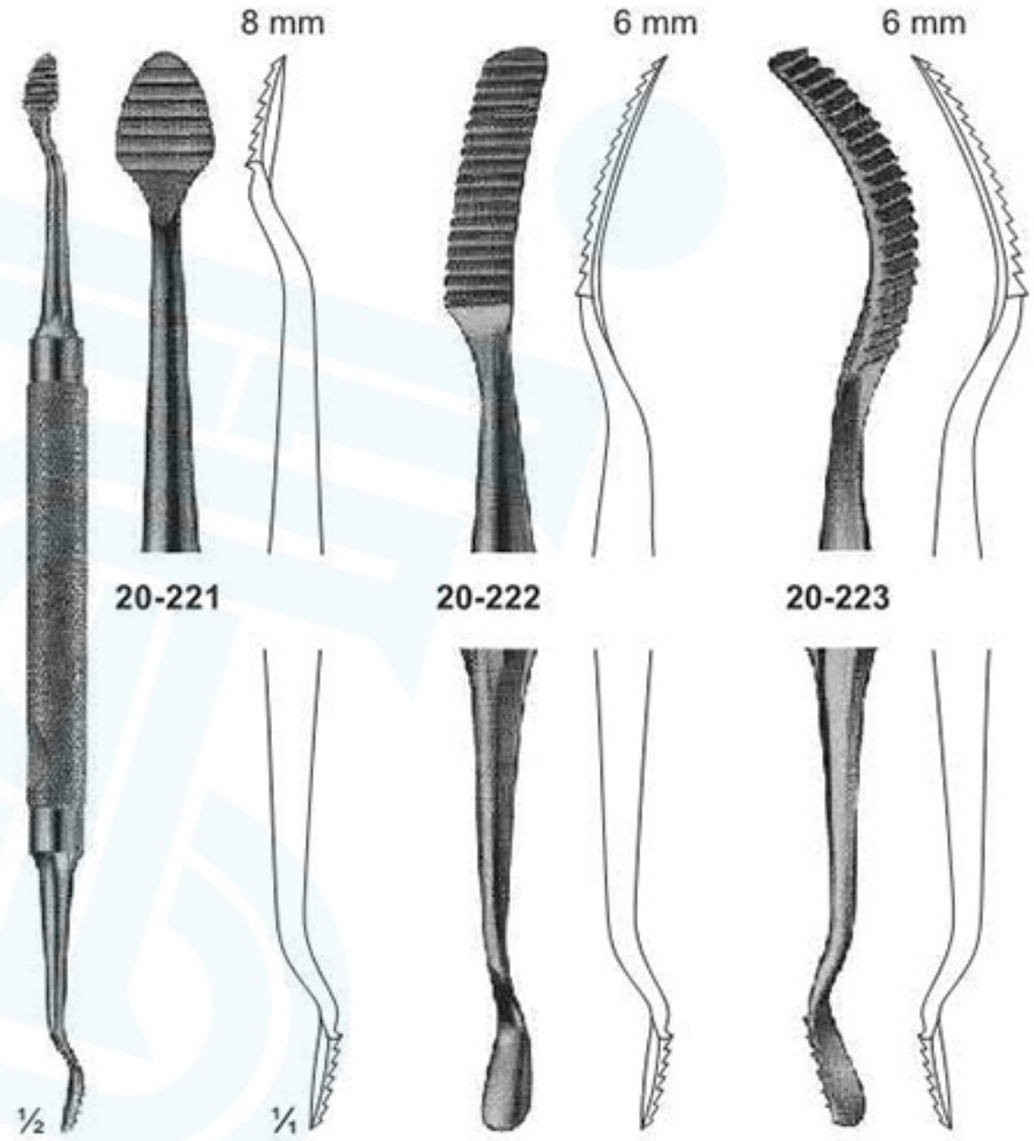
# Bone File and Rasps




**20-219**
FOMON
215mm




**20-220**
FOMON
215mm




| 20-221 - 223 | 5 mm | 4,3 mm | 5 mm |
|---|---|---|---|
| MILLER | | | |
| 180 mm | | | |




| 20-224 - 228 | 20-224 | 20-225 | 20-226 | 20-227 | 20-228 |
|---|---|---|---|---|---|
| 205 mm | 12/14 | 16/20 | 24/30 | 36/44 | 52/62 |

# Bone File and Rasps




**20-229**
220 mm




**20-230**
295 mm




**20-231**
240 mm

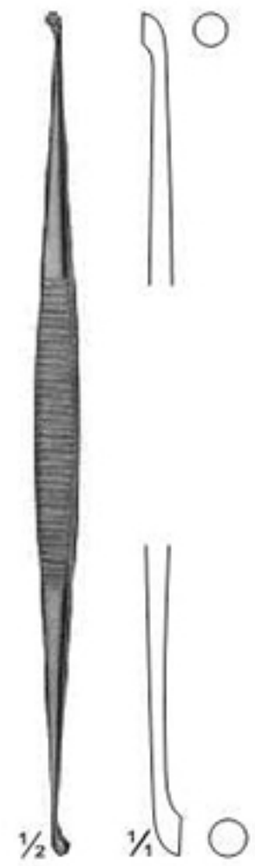



**20-232**
PUTTI
270 mm

# Bone Curettes



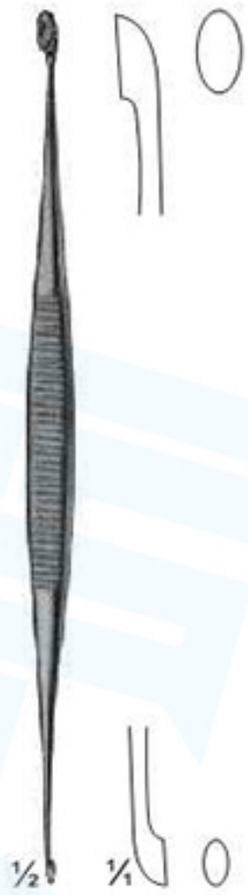
**20-233**
JACOBSON
140 mm



**20-234**
MARTINI
140 mm



**20-235**
MARTINI
140 mm



**20-236**
WILLIGER
145 mm



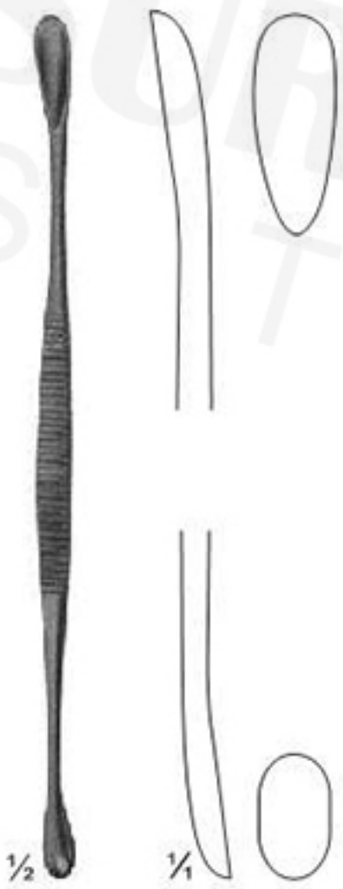
**20-237**
JANSEN
160 mm



**20-238**
BARTH
180 mm



**20-239**
VOLKMANN
130 mm



**20-240**
VOLKMANN
145 mm



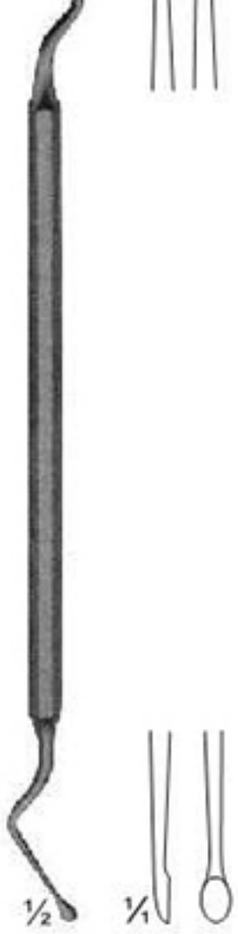
**20-241**
VOLKMANN
170 mm

THORACIC SURGICAL INDUSTRY

# Bone Curettes




**20-242**
JANSEN
160 mm



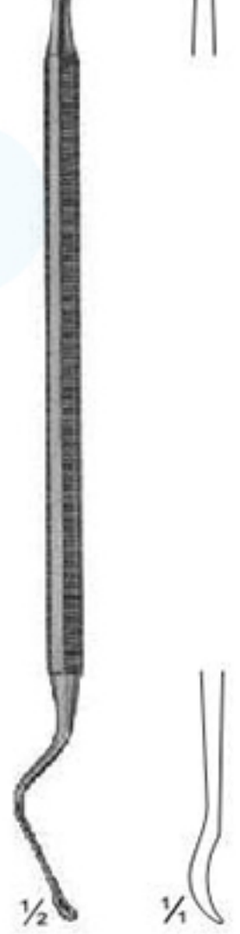

**20-243**
HEMINGWAY
170 mm




**20-244**
HEMINGWAY
175 mm




**20-245**
LUCAS
180 mm

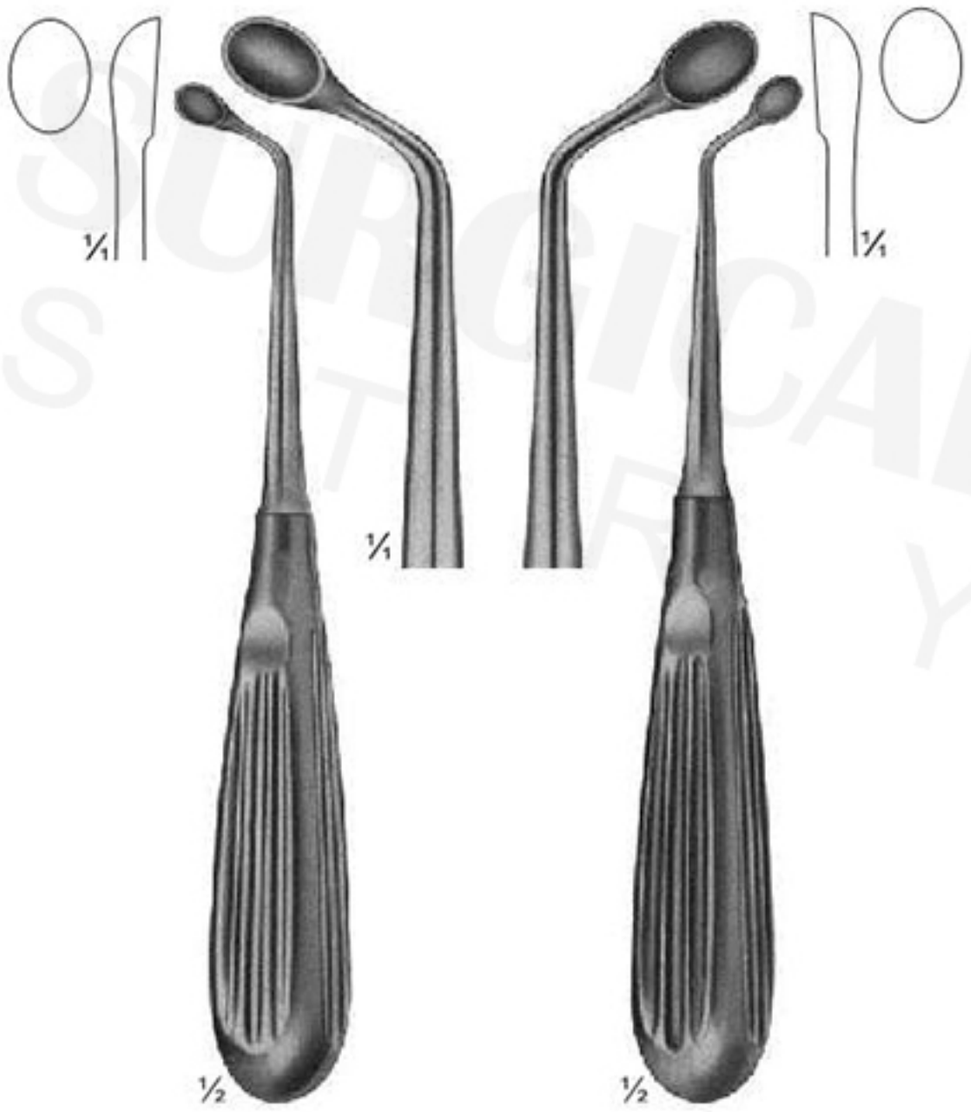



**20-246**
LUCAS
185 mm




**20-247 - 248**
KERPEL
145 mm

**20-249 - 250**
KERPEL
145 mm

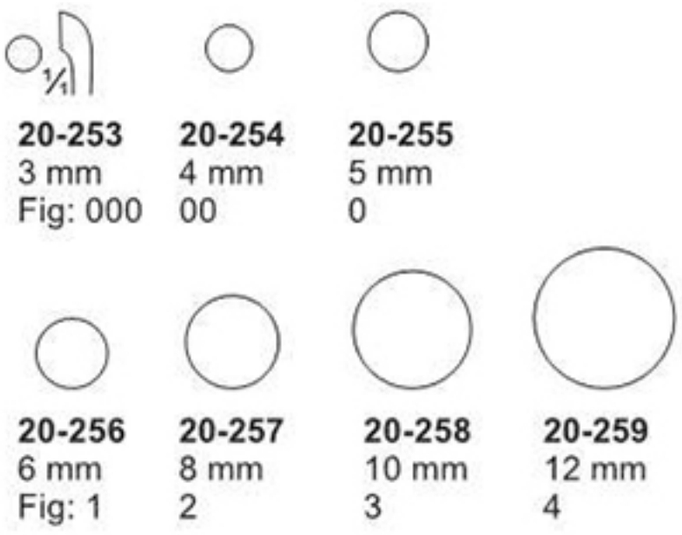



**20-251**
UFFENORDE
170 mm

**20-252**
UFFENORDE
170 mm

# Bone Curettes

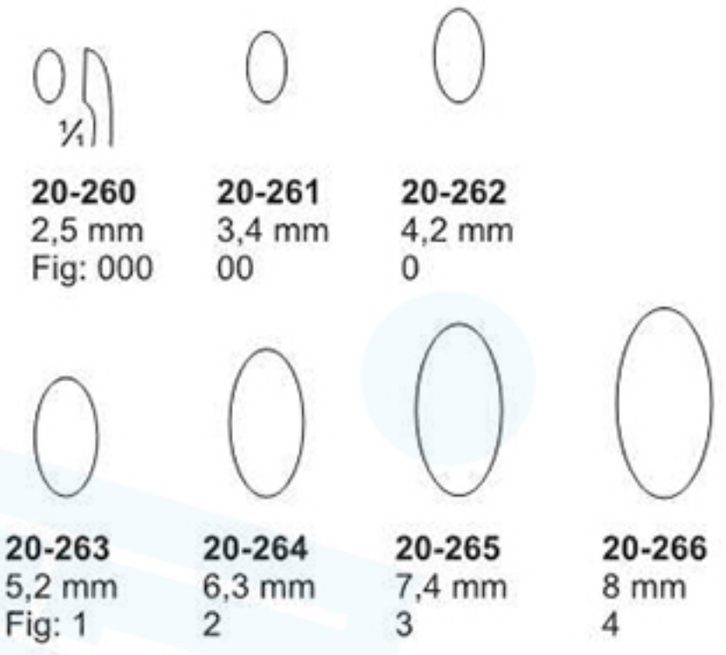


**20-253** 3 mm Fig: 000
**20-254** 4 mm 00
**20-255** 5 mm 0
**20-256** 6 mm Fig: 1
**20-257** 8 mm 2
**20-258** 10 mm 3
**20-259** 12 mm 4

**20-253 - 259**
BRUNS
165 mm

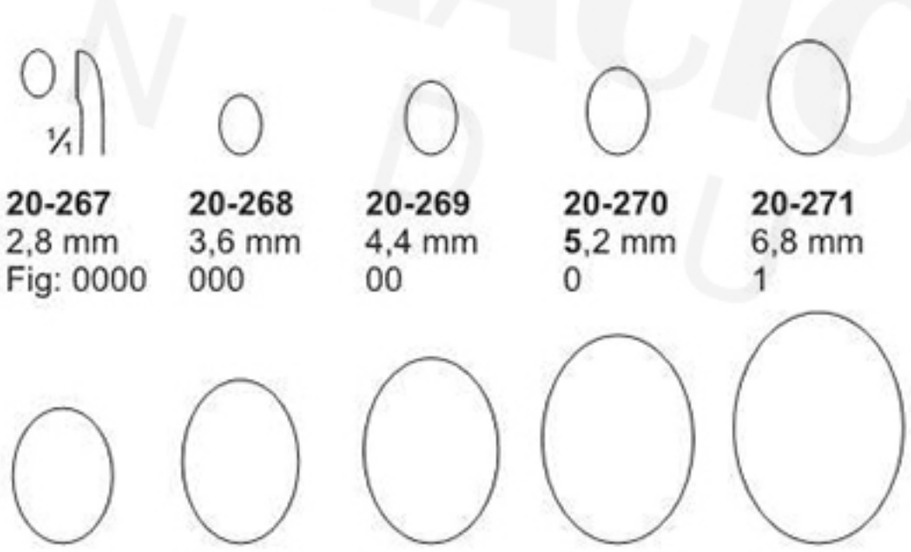


**20-260** 2,5 mm Fig: 000
**20-261** 3,4 mm 00
**20-262** 4,2 mm 0
**20-263** 5,2 mm Fig: 1
**20-264** 6,3 mm 2
**20-265** 7,4 mm 3
**20-266** 8 mm 4

**20-260 - 266**
SCHEDE
170 mm



**20-267** 2,8 mm Fig: 0000
**20-268** 3,6 mm 000
**20-269** 4,4 mm 00
**20-270** 5,2 mm 0
**20-271** 6,8 mm 1
**20-272** 8,5 mm Fig: 2
**20-273** 10 mm 3
**20-274** 11,5 mm 4
**20-275** 13 mm 5
**20-276** 14,5 mm 6

**20-267 - 276**
VOLKMANN
170 mm



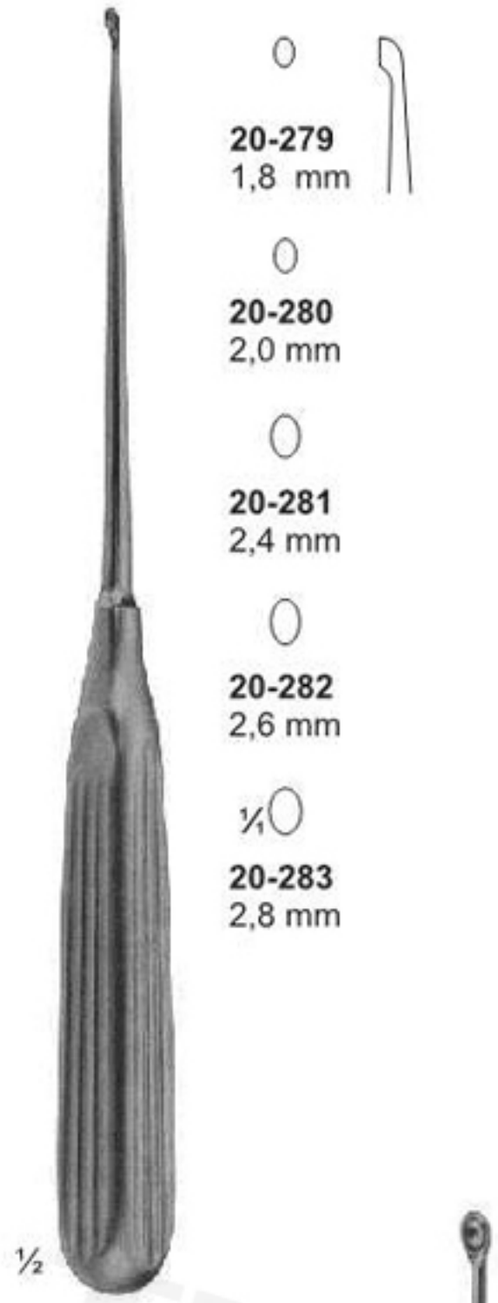



**20-277** 3,4 mm Fig: 00
**20-278** 5,2 mm 1

**20-277 - 278**
WILLIGER
170 mm

THORACIC SURGICAL INSTRUMENTS

# Bone Curettes



**20-279**
1,8 mm

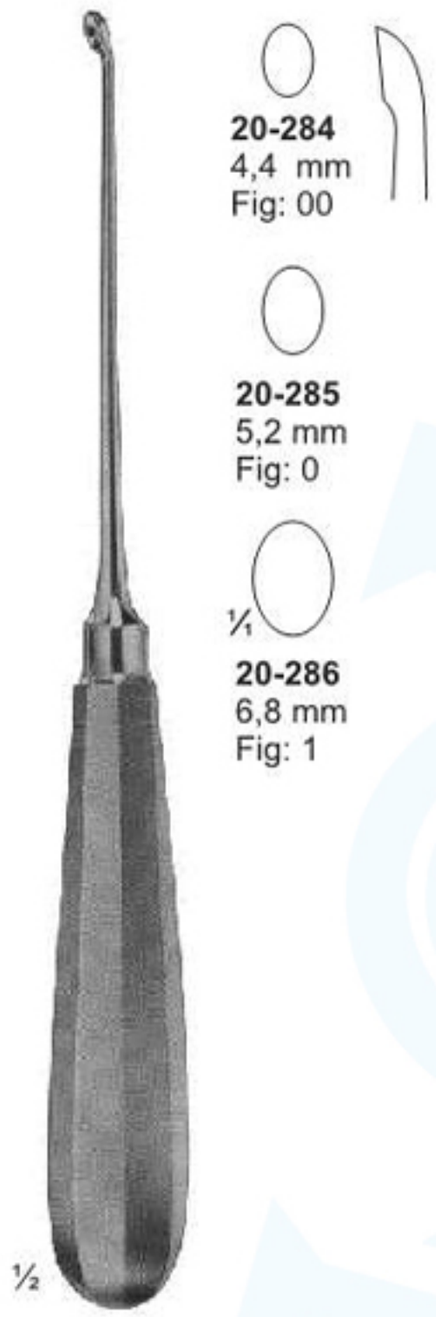
**20-280**
2,0 mm

**20-281**
2,4 mm

**20-282**
2,6 mm

**20-283**
2,8 mm

**20-279 - 283**
LEMPERT
215 mm

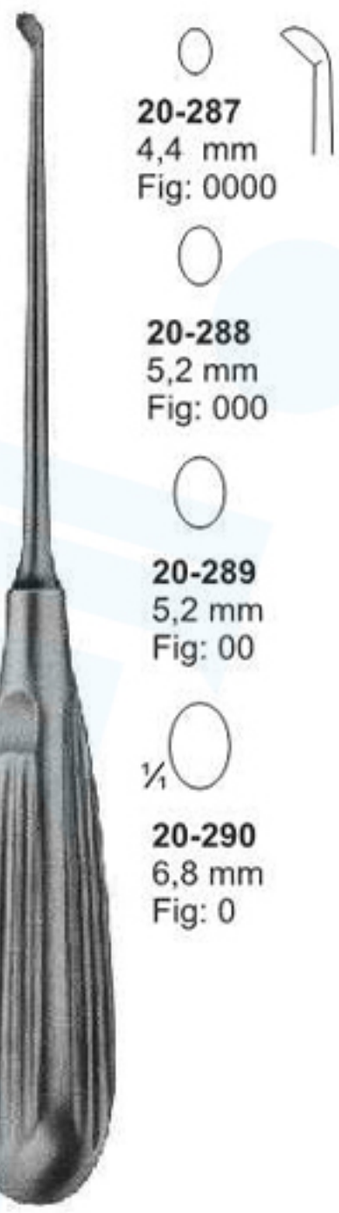


**20-284**
4,4 mm
Fig: 00

**20-285**
5,2 mm
Fig: 0

**20-286**
6,8 mm
Fig: 1

**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

**20-290**
6,8 mm
Fig: 0

**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

**20-294**
6,8 mm
Fig: 1

**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

**20-298**
6,8 mm
Fig: 1

**20-295 - 298**
250 mm



**20-299**
3 mm

**20-300**
4 mm

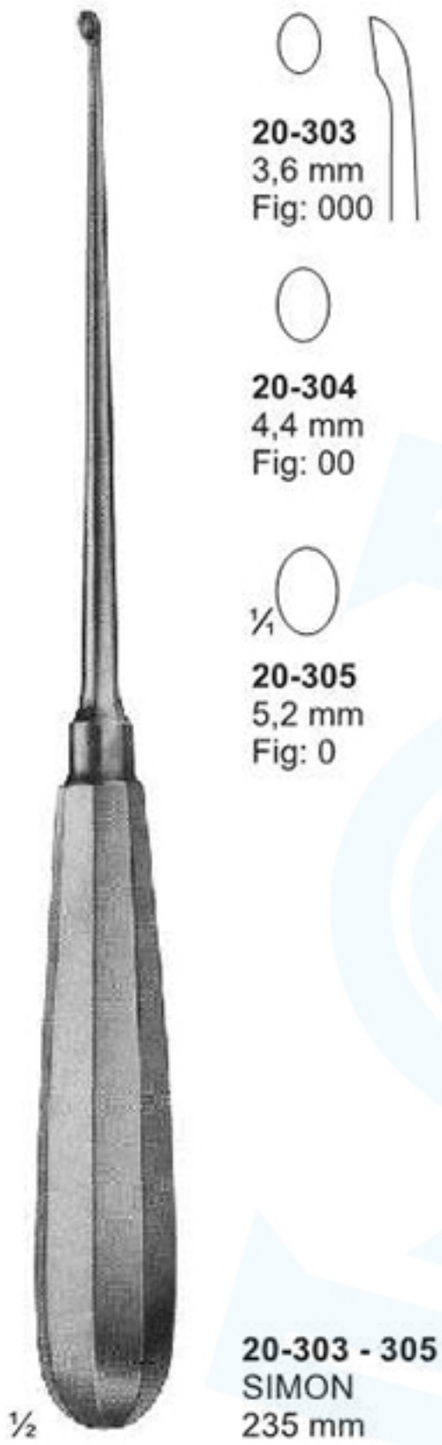
**20-301**
5 mm

**20-299 - 301**
BUSHE
250 mm

# Bone Curettes




**20-302**
TESSIER
220 mm




**20-303**
3,6 mm
Fig: 000

**20-304**
4,4 mm
Fig: 00

1/1

**20-305**
5,2 mm
Fig: 0

**20-303 - 305**
SIMON
235 mm




**20-306**
6,8 mm
Fig: 1

**20-307**
8,5 mm
Fig: 2

**20-308**
10 mm
Fig: 3

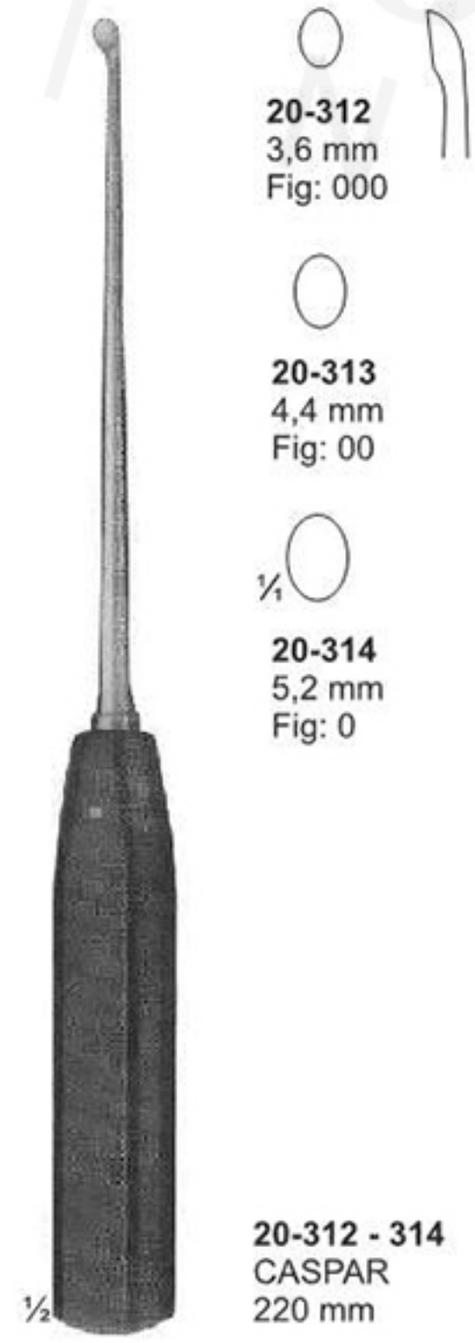
**20-309**
11,5 mm
Fig: 4

1/1

**20-310**
13 mm
Fig: 5

**20-311**
14,5 mm
Fig: 6

**20-306 - 311**
SIMON
240 mm




**20-312**
3,6 mm
Fig: 000

**20-313**
4,4 mm
Fig: 00

1/1

**20-314**
5,2 mm
Fig: 0

**20-312 - 314**
CASPAR
220 mm




**20-315**
3,6 mm
Fig: 000

**20-316**
4,4 mm
Fig: 00

1/1

**20-317**
5,2 mm
Fig: 0

**20-315 - 317**
CASPAR
220 mm




**20-318**
4 mm

**20-319**
5 mm

1/1

**20-320**
6 mm

**20-318 - 320**
CASPAR
toothed
220 mm

# Bone Curettes



4,4 mm
Fig. 00
**20-321**

6,8 mm
Fig. 1
**20-322**

8,5 mm
Fig. 2
**20-323**

10 mm
1/1
Fig. 3
**20-324**

½

**20-321 - 324**
270 mm



½

**20-325 - 332**
SYPERT
380 mm

2,8 mm
Fig. 0000
**20-325**

3,6 mm
Fig. 000
**20-326**

5,2 mm
Fig. 0
**20-327**

10,0 mm
1/1
Fig. 3
**20-328**

2,8 mm
Fig. 0000
**20-329**

3,6 mm
Fig. 000
**20-330**

5,2 mm
Fig. 0
**20-331**

10,0 mm
1/1
Fig. 3
**20-332**

THORACIC SURGICAL INDUSTRY

# Mallets




**21-101**
MEAD
185 g
with interchangeable
plastic disks
190 mm
**21-102**
pair of spare disks




**21-103**
140 g
with interchangeable
plastic disks
185 mm
**21-104**
pair of spare disks




**21-105**
COTTLE
140 g
1 Seite convex
1 Side convex
185 mm




**21-106**
165 g
lead filled head
190 mm

THORACIC SURGICAL INDUSTRY

# Mallets



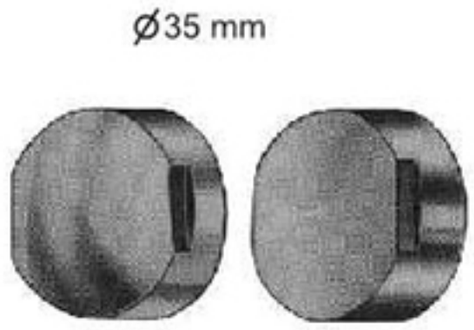

**21-107**
HAJEK
140 g
215 mm



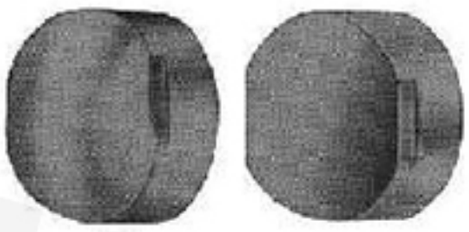

**21-108**
215 g
with interchangeable
plastic disks
245 mm
**21-109**
pair of spare disks



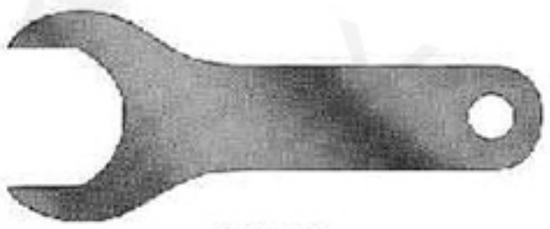
**21-110 - 113**
WAGNER
complete with:
1 pair of metal disks and
1 pair of plastic disks and
1 wrench 566
235 mm




**21-111**
1 metal disks, flat
1 metal disks, convex



**21-112**
1 plastic disks, flat
1 plastic disks, convex



**21-113**
Wrench

Mallet without disks 130 g

THORACIC SURGICAL INSTRUMENTS

# Mallets




**21-114**
BERGMANN
245 mm

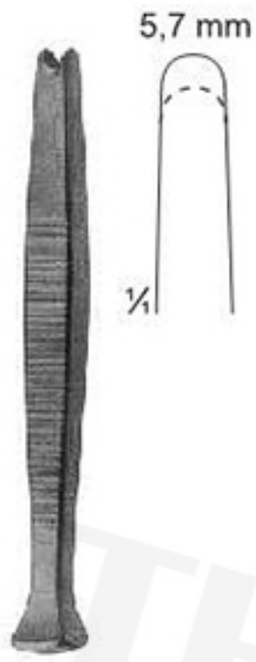
**21-115**
BERGMANN
235 mm

**21-116**
OMBREDANNE
240 mm

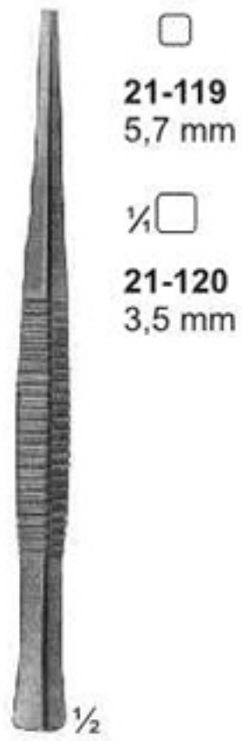
**21-117**
HEATH
copper filled head
700 g
185 mm

THORACIC SURGICAL INSTRUMENTS INDUSTRY

# Tampers - Osteotomes, Chisels and Gouges



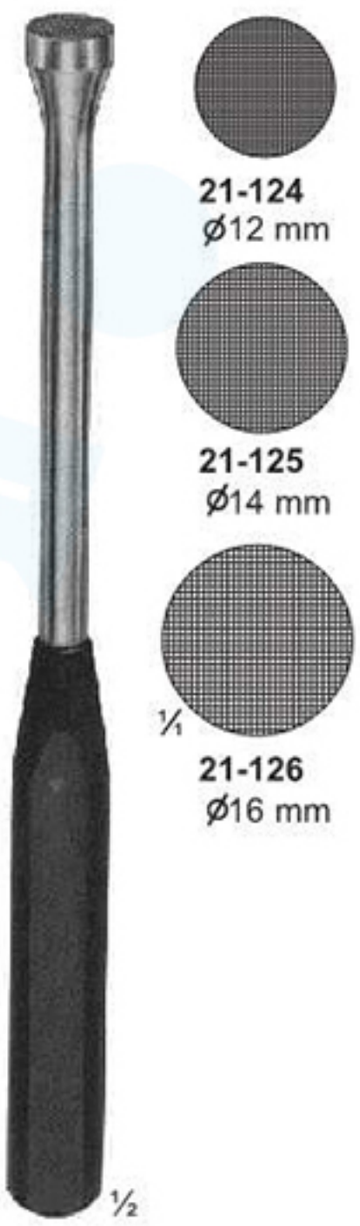

**21-118**
Haase
100 mm



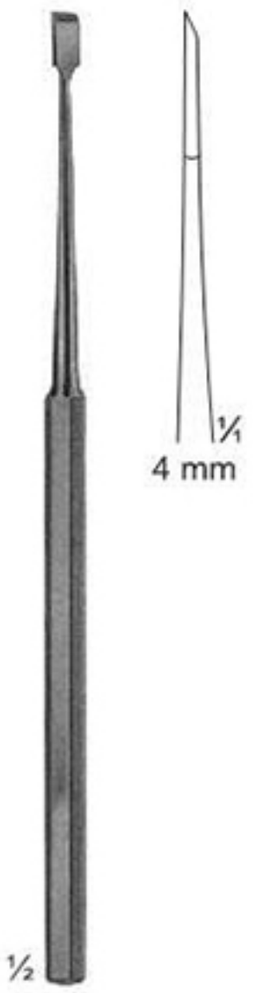

**21-119 - 120**
PASSOW
120 mm



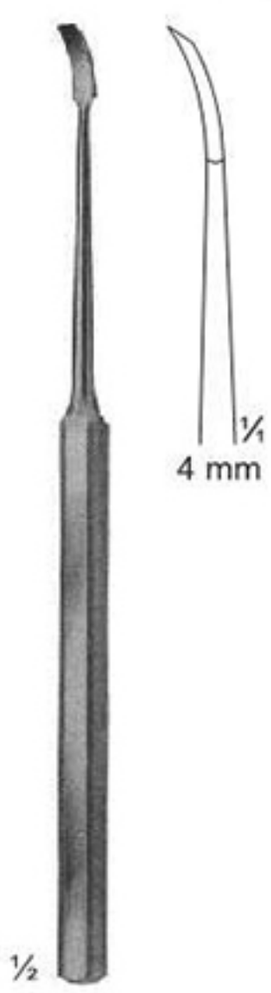

**21-121 - 123**
CASPER
200 mm



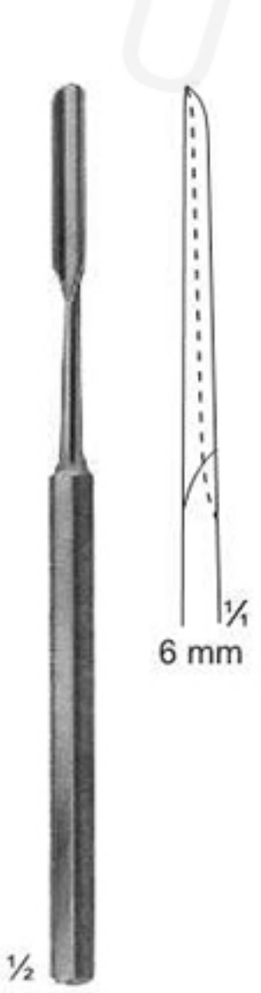

**21-124 - 126**
200 mm



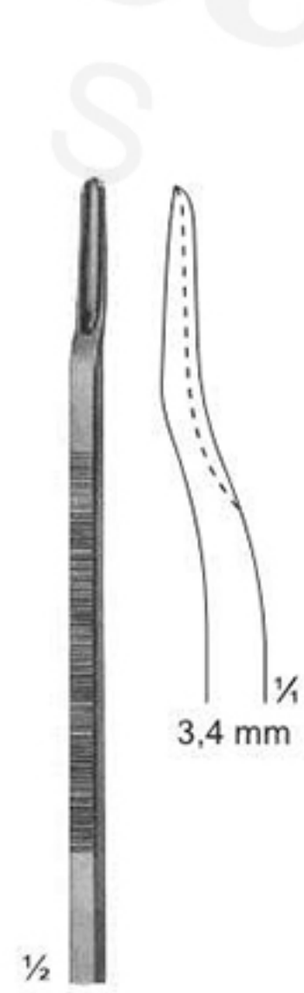

**21-127**
FREER
Chisel
160 mm




**21-128**
FREER
Chisel,curved
160 mm




**21-129**
FREER
Gouge
150 mm




**21-130**
Scaphoid gouge,
downwords curved
135 mm



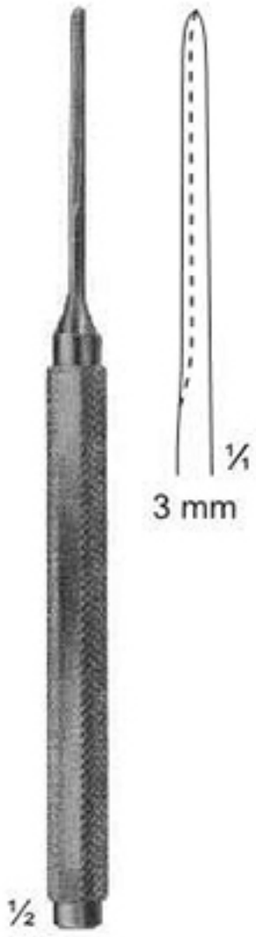

**21-131**
Scaphoid gouge,
upwords curved
135 mm



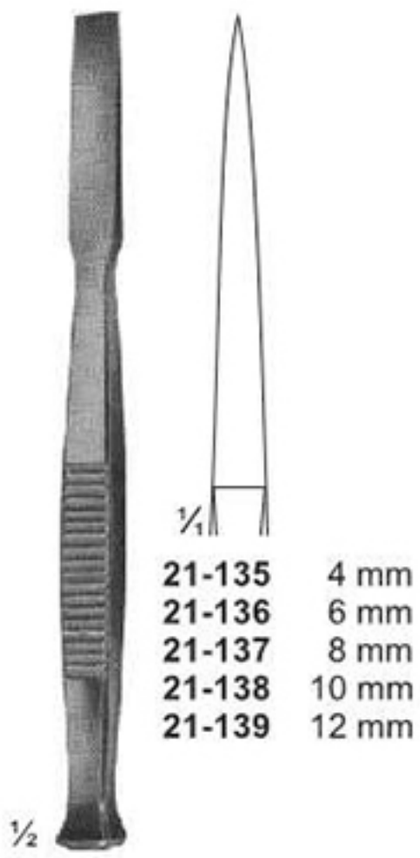

**21-131A - 133**
Mannerfelt
**21-131A** 4 mm
**21-132** 6 mm
**21-133** 8 mm
155 mm

PHOENIX SURGICAL INDUSTRY

# Osteotomes Chisels and Gouges

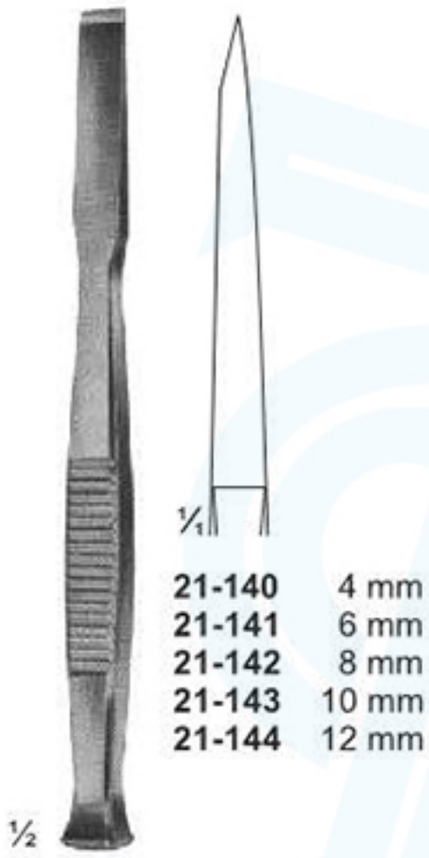



**21-134**
Mannerfelt
155 mm



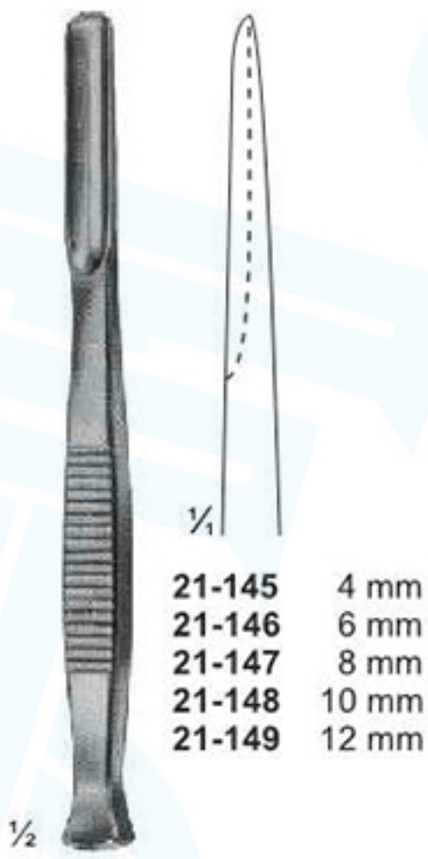

| | |
|---|---|
| **21-135** | 4 mm |
| **21-136** | 6 mm |
| **21-137** | 8 mm |
| **21-138** | 10 mm |
| **21-139** | 12 mm |

**21-135 - 139**
Osteotome
140 mm



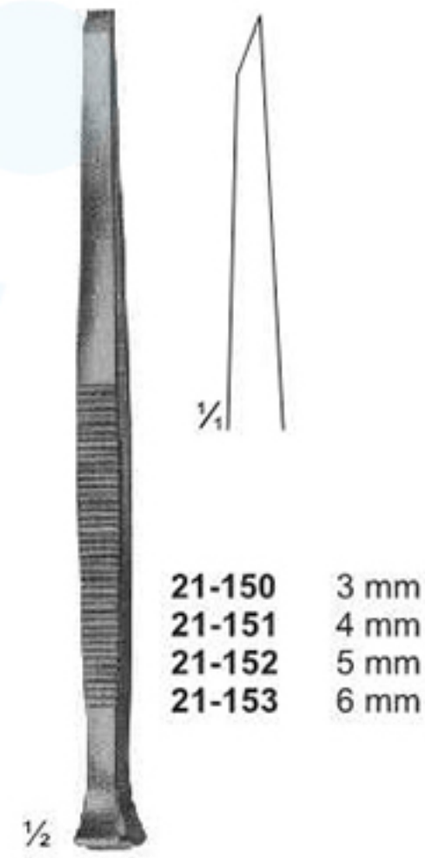

| | |
|---|---|
| **21-140** | 4 mm |
| **21-141** | 6 mm |
| **21-142** | 8 mm |
| **21-143** | 10 mm |
| **21-144** | 12 mm |

**21-140 - 144**
Chisels
140 mm



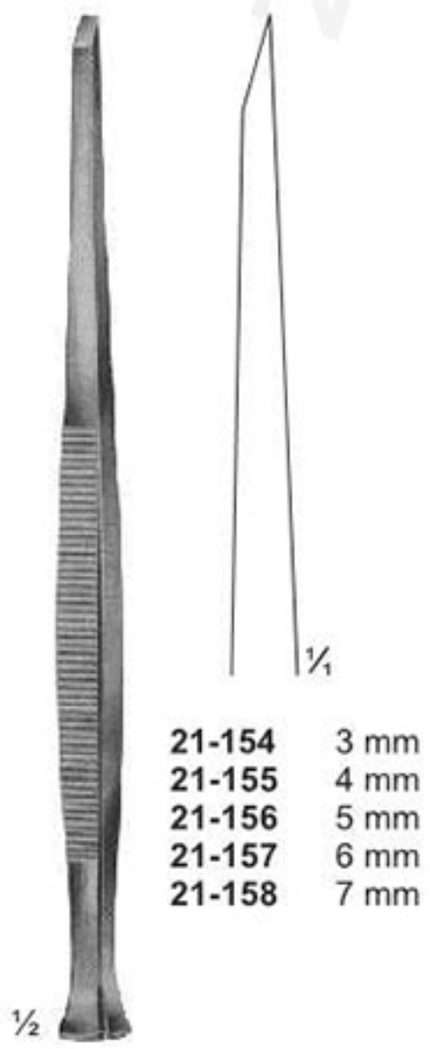

| | |
|---|---|
| **21-145** | 4 mm |
| **21-146** | 6 mm |
| **21-147** | 8 mm |
| **21-148** | 10 mm |
| **21-149** | 12 mm |

**21-145 - 149**
Gouges
140 mm



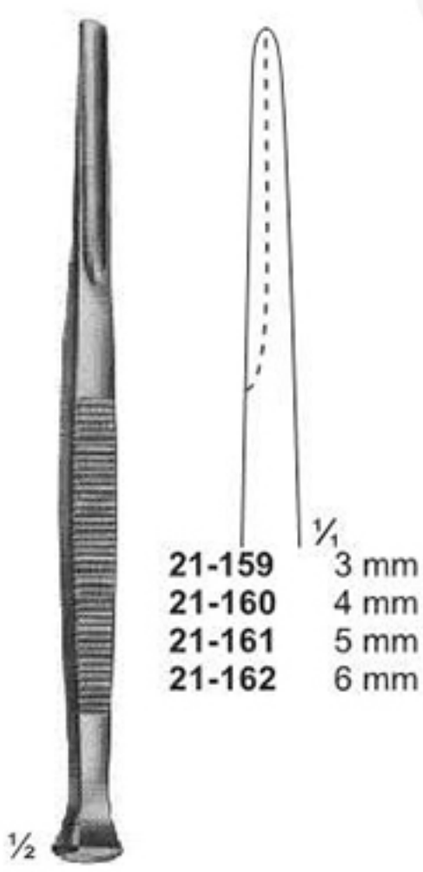

| | |
|---|---|
| **21-150** | 3 mm |
| **21-151** | 4 mm |
| **21-152** | 5 mm |
| **21-153** | 6 mm |

PARTSCH
**21-150 - 153**
Chisels
140 mm



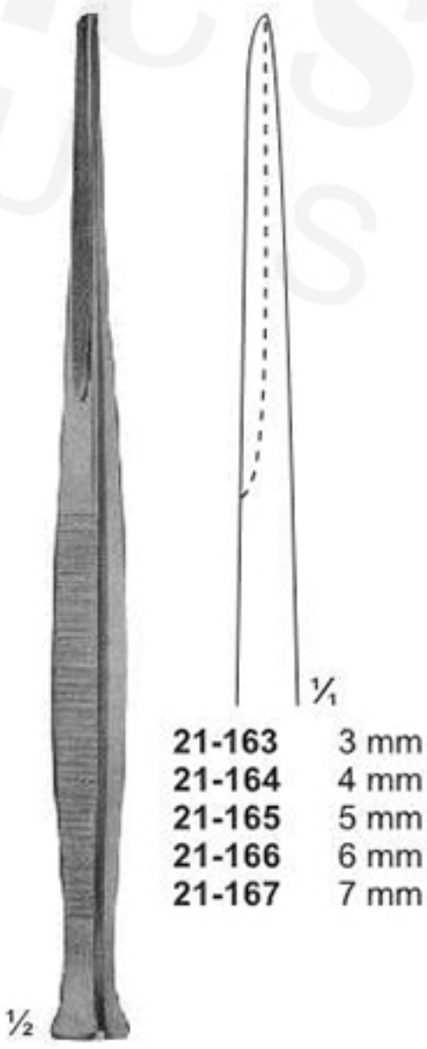

| | |
|---|---|
| **21-154** | 3 mm |
| **21-155** | 4 mm |
| **21-156** | 5 mm |
| **21-157** | 6 mm |
| **21-158** | 7 mm |

PARTSCH
**21-154 - 158**
Chisels
170 mm



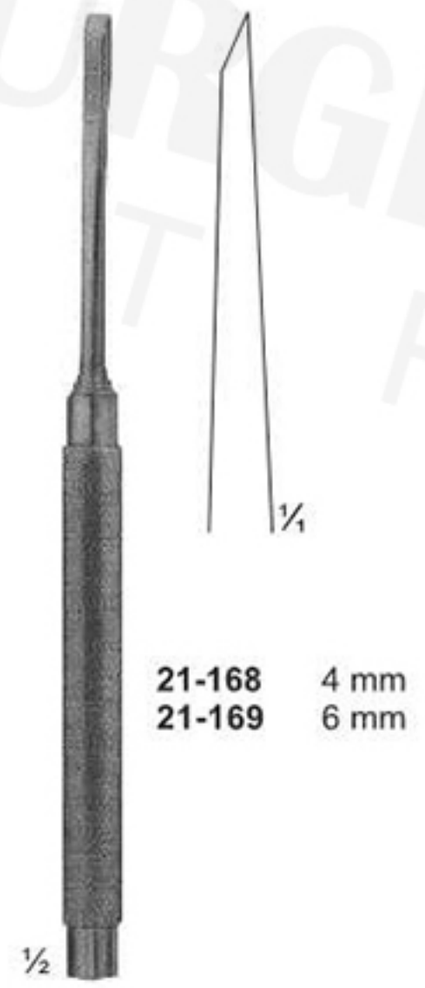

| | |
|---|---|
| **21-159** | 3 mm |
| **21-160** | 4 mm |
| **21-161** | 5 mm |
| **21-162** | 6 mm |

PARTSCH
**21-159 - 162**
Gouges
140 mm




| | |
|---|---|
| **21-163** | 3 mm |
| **21-164** | 4 mm |
| **21-165** | 5 mm |
| **21-166** | 6 mm |
| **21-167** | 7 mm |

PARTSCH
**21-163 - 167**
Gouges
170 mm




| | |
|---|---|
| **21-168** | 4 mm |
| **21-169** | 6 mm |

LUCAS
**21-168 - 169**
Chisels
160 mm

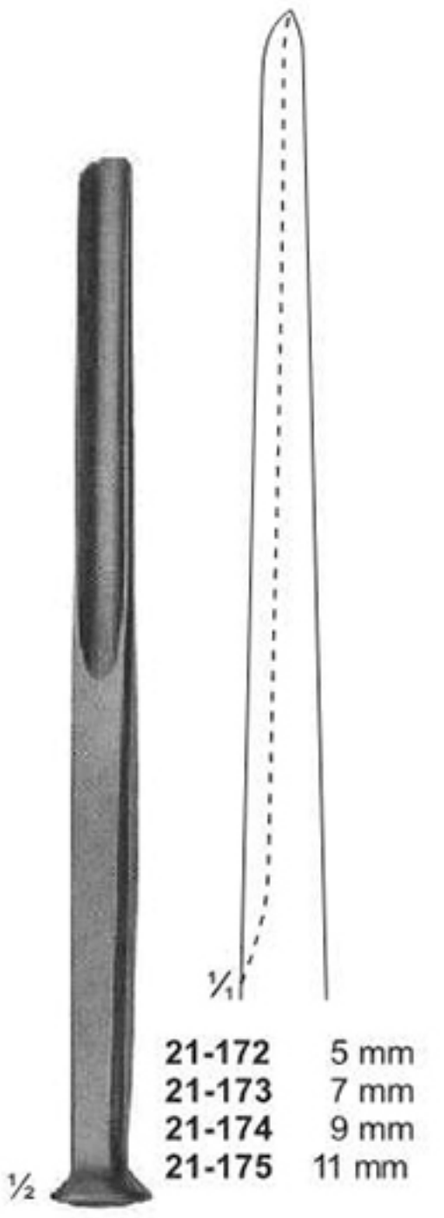



| | |
|---|---|
| **21-170** | 3 mm |
| **21-171** | 5 mm |

LUCAS
**21-170 - 171**
Gouges
160 mm

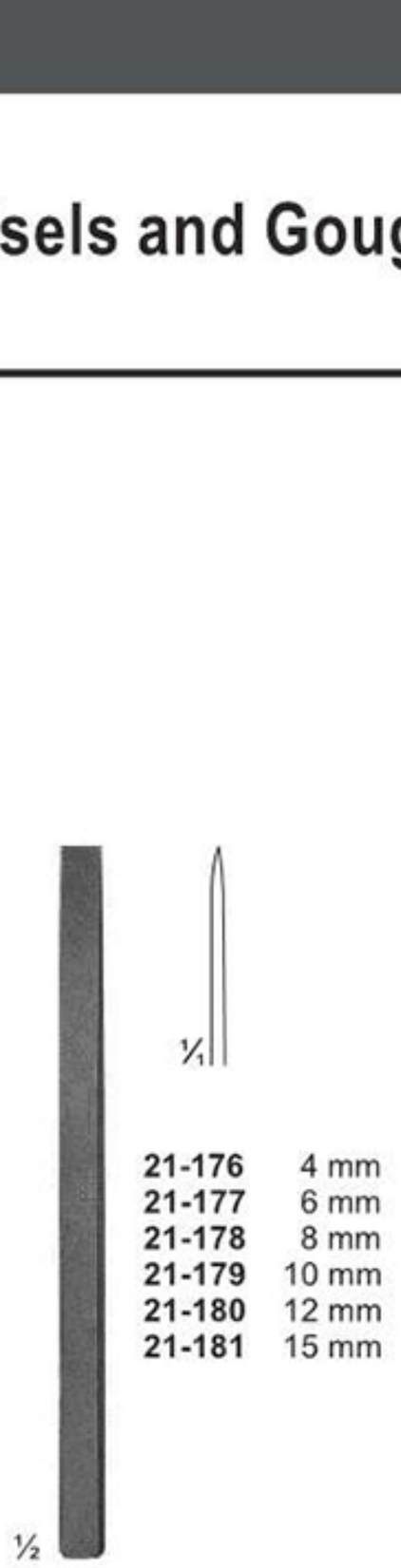
THORACIC SURGICAL INDUSTRY

# Osteotomes Chisels and Gouges



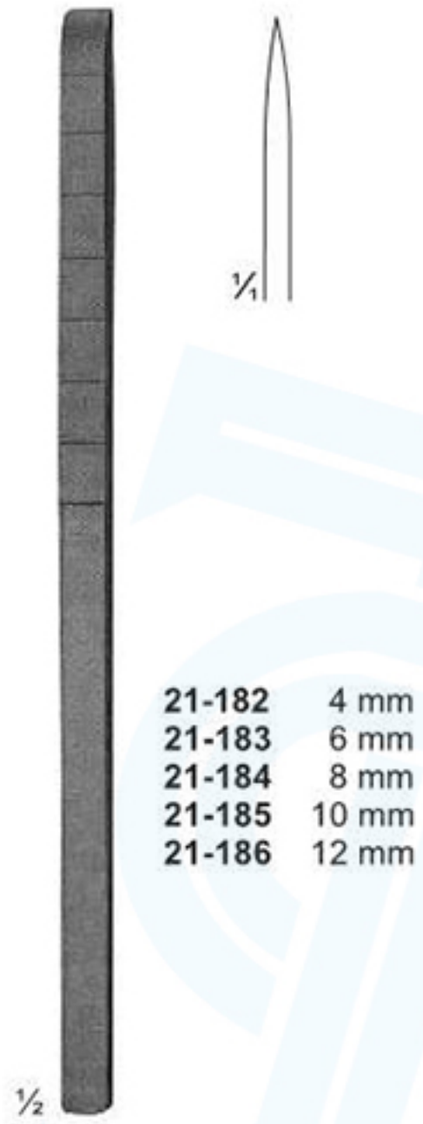
| | |
|---|---|
| **21-172** | 5 mm |
| **21-173** | 7 mm |
| **21-174** | 9 mm |
| **21-175** | 11 mm |

ALEXANDER
**21-172 - 175**
Gouges
170 mm



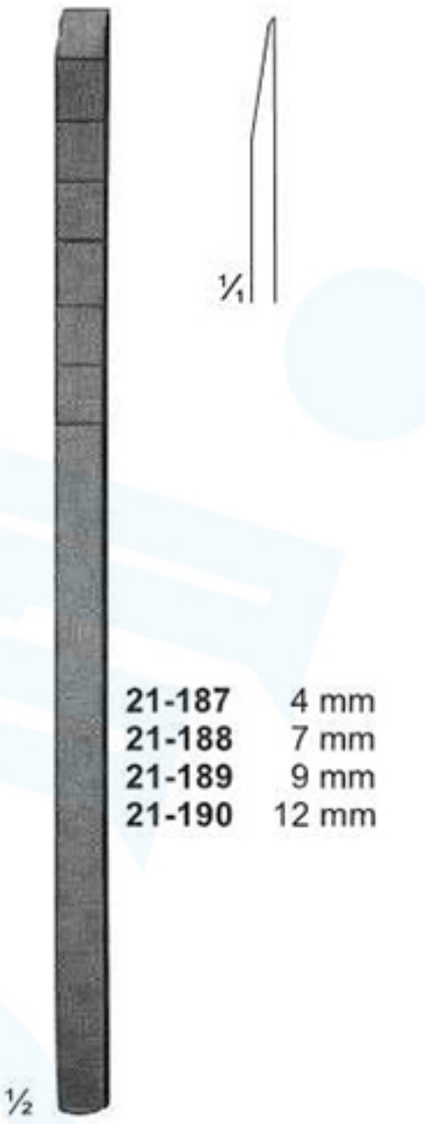
| | |
|---|---|
| **21-176** | 4 mm |
| **21-177** | 6 mm |
| **21-178** | 8 mm |
| **21-179** | 10 mm |
| **21-180** | 12 mm |
| **21-181** | 15 mm |

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

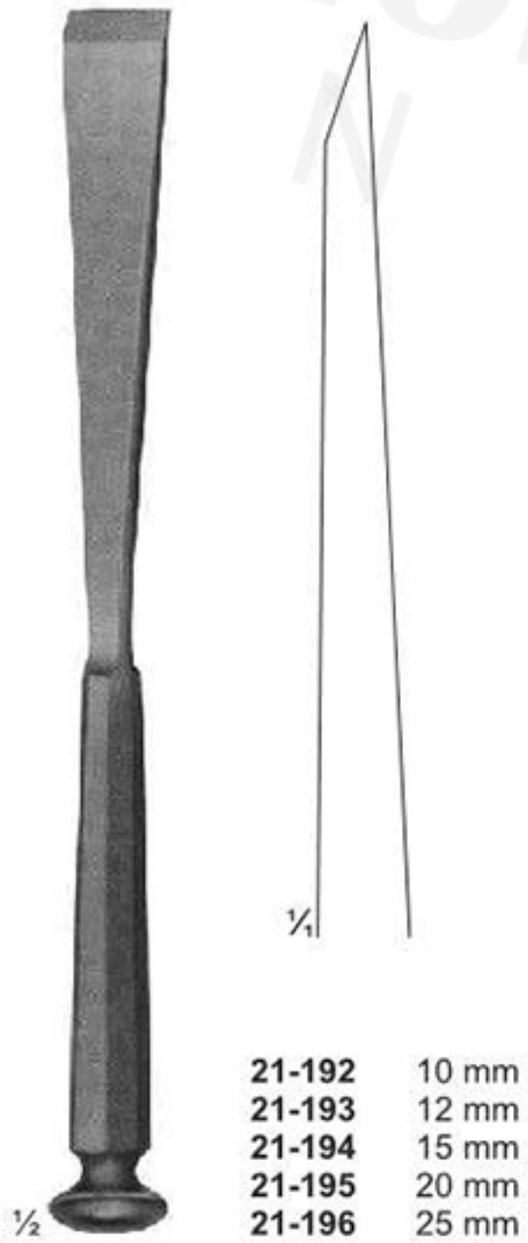


| | |
|---|---|
| **21-187** | 4 mm |
| **21-188** | 7 mm |
| **21-189** | 9 mm |
| **21-190** | 12 mm |

COTTLE
**21-187 - 190**
Chisel-Osteotomes
with depth markings
180 mm

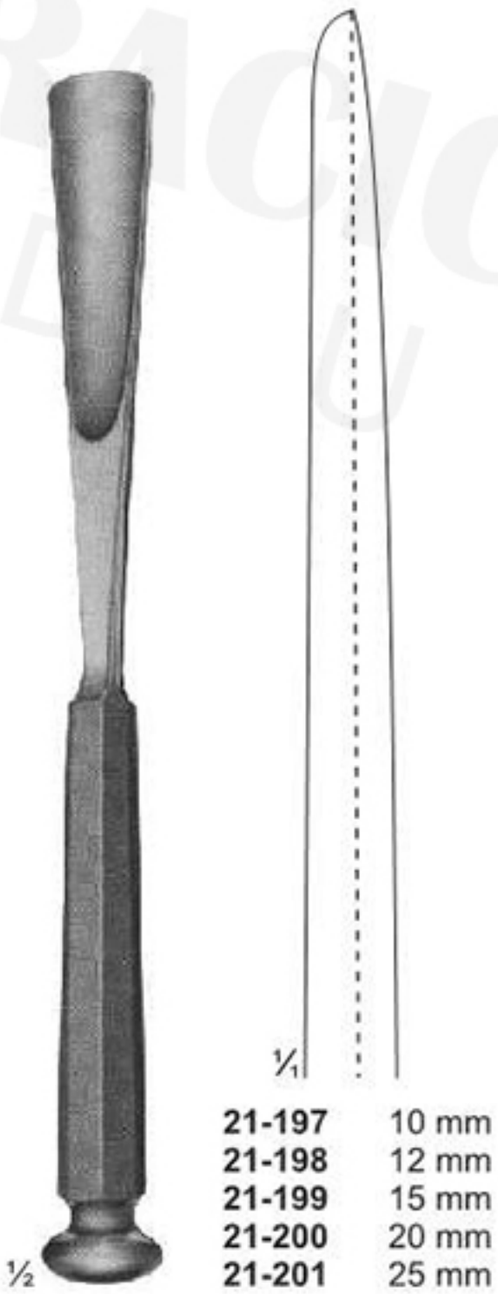


COTTLE
**21-191**
Fishtail Chisel,
with protected ends
180 mm



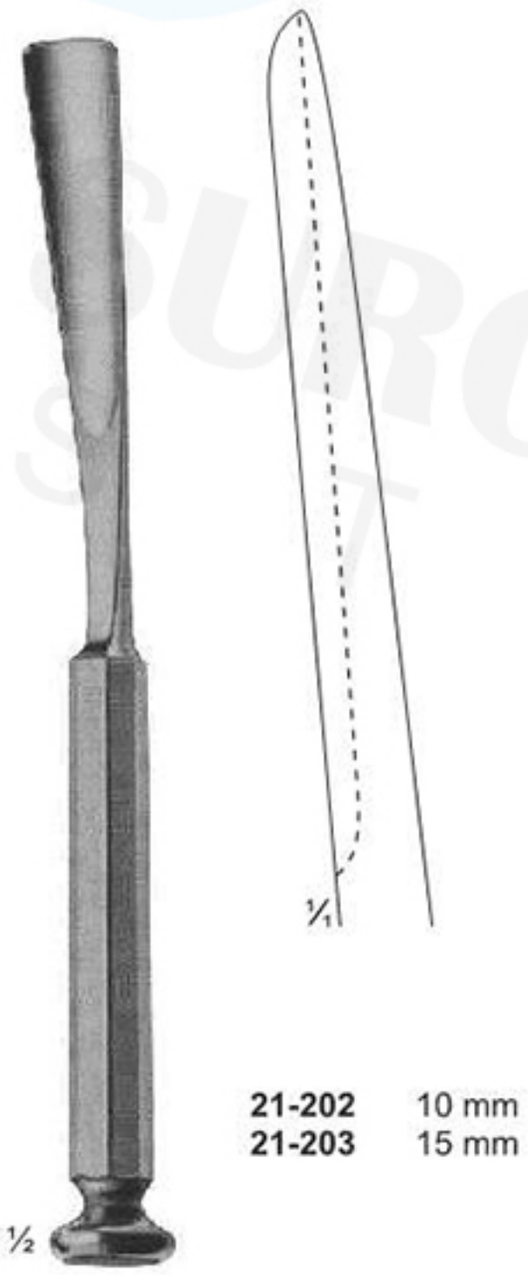
| | |
|---|---|
| **21-192** | 10 mm |
| **21-193** | 12 mm |
| **21-194** | 15 mm |
| **21-195** | 20 mm |
| **21-196** | 25 mm |

STILLE
**21-192 - 196**
Chisels
205 mm



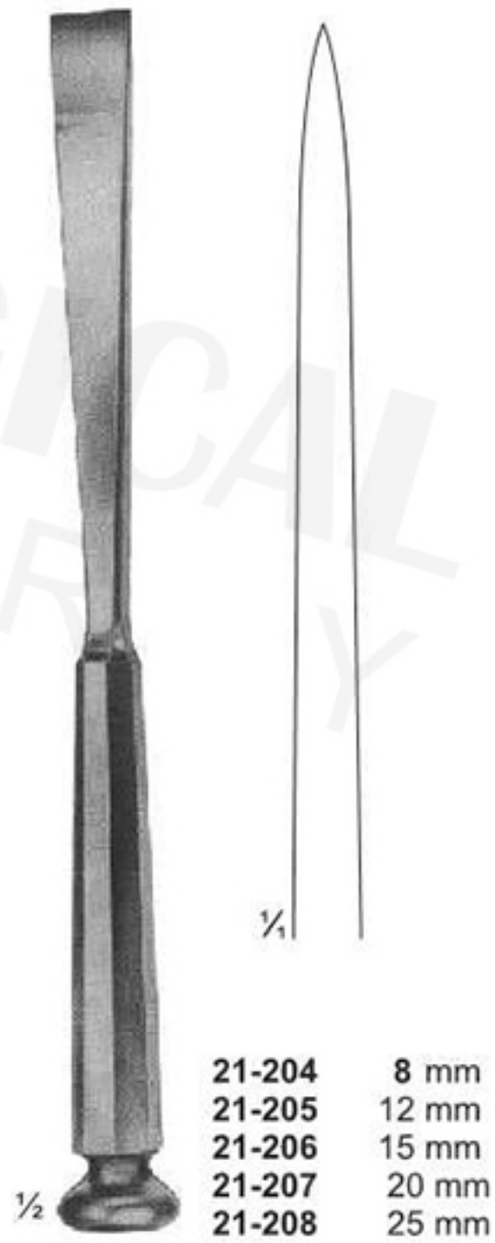
| | |
|---|---|
| **21-197** | 10 mm |
| **21-198** | 12 mm |
| **21-199** | 15 mm |
| **21-200** | 20 mm |
| **21-201** | 25 mm |

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




| | |
|---|---|
| **21-209** | 10 mm |
| **21-210** | 12 mm |
| **21-211** | 15 mm |
| **21-212** | 20 mm |
| **21-213** | 25 mm |

STILLE
**21-209 - 213**
Osteotomes
205 mm

| | |
|---|---|
| **21-214** | 10 mm |
| **21-215** | 12 mm |
| **21-216** | 15 mm |
| **21-217** | 20 mm |
| **21-218** | 25 mm |

STILLE
**21-214 - 218**
Osteotomes, curved
205 mm

| | |
|---|---|
| **21-219** | 4 mm |
| **21-220** | 8 mm |
| **21-221** | 10 mm |
| **21-222** | 13 mm |
| **21-223** | 15 mm |
| **21-224** | 18 mm |
| **21-225** | 20 mm |
| **21-226** | 25 mm |
| **21-227** | 30 mm |
| **21-228** | 38 mm |
| **21-229** | 44 mm |
| **21-230** | 50 mm |

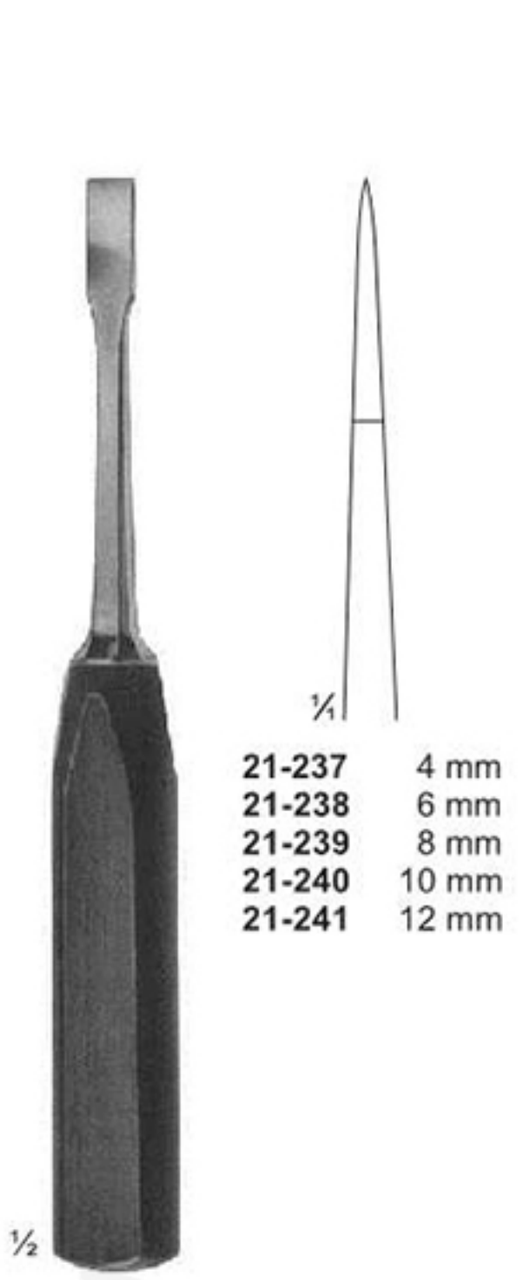
LAMBOTTE
**21-219 - 230**
Osteotomes
245 mm

| | |
|---|---|
| **21-231** | 8 mm |
| **21-232** | 13 mm |
| **21-233** | 18 mm |
| **21-234** | 25 mm |
| **21-235** | 30 mm |
| **21-236** | 38 mm |

LAMBOTTE
**21-231 - 236**
Osteotomes,curved
245 mm

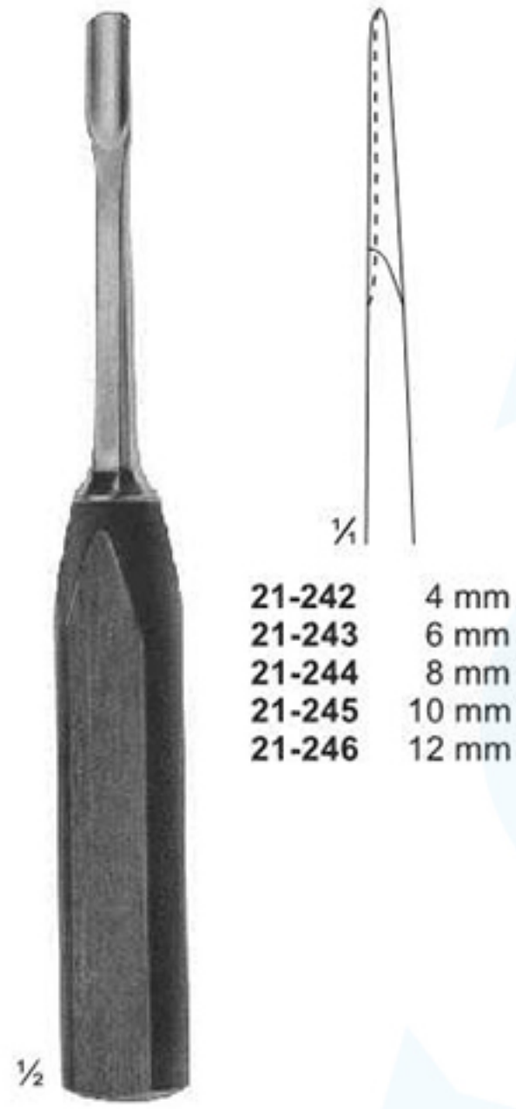
THORACIC SURGICAL INSTRUMENTS

# Osteotomes,Chisels and Gouges with HARTPRESS -handle



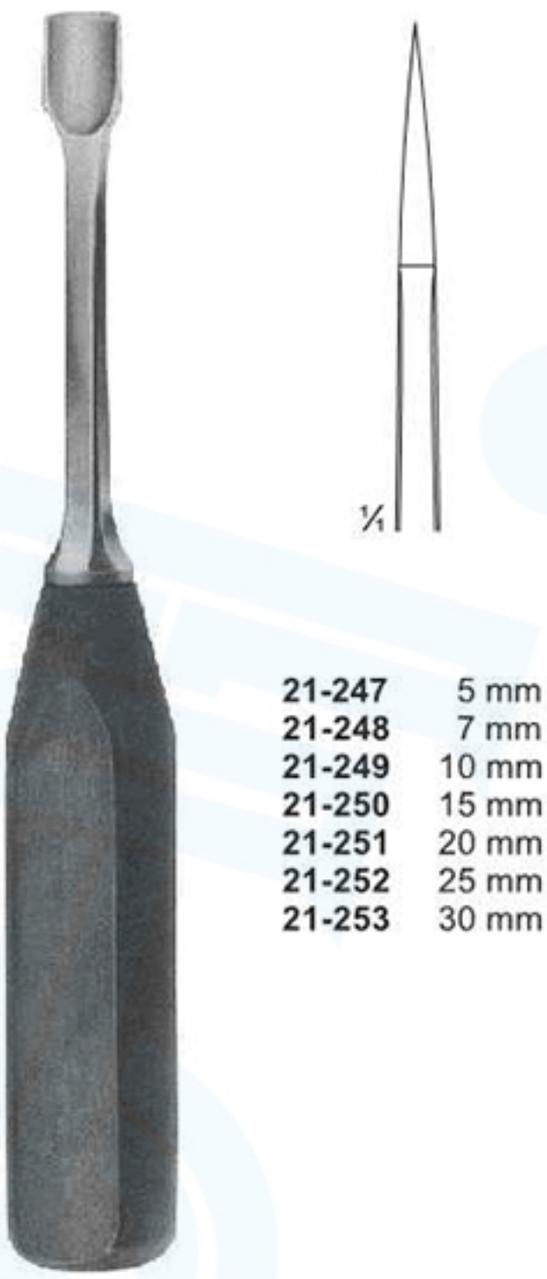
| | |
|---|---|
| **21-237** | 4 mm |
| **21-238** | 6 mm |
| **21-239** | 8 mm |
| **21-240** | 10 mm |
| **21-241** | 12 mm |

LEXER-MINI
**21-237 - 241**
Osteotomes
180 mm



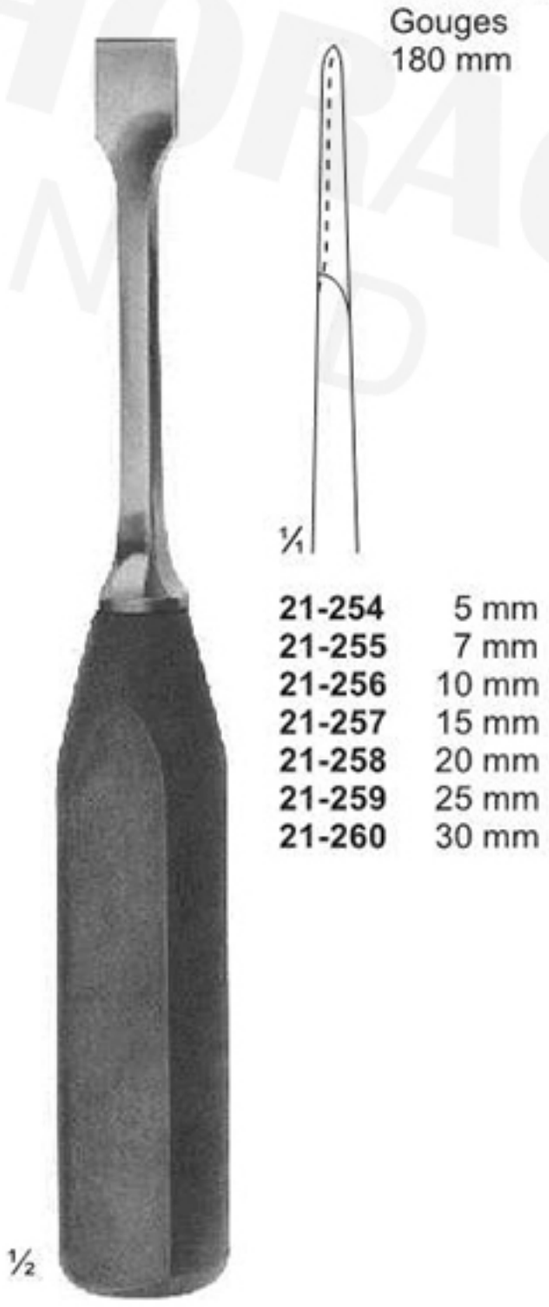
| | |
|---|---|
| **21-242** | 4 mm |
| **21-243** | 6 mm |
| **21-244** | 8 mm |
| **21-245** | 10 mm |
| **21-246** | 12 mm |

LEXER-MINI
**21-242 - 246**
Gouges
180 mm



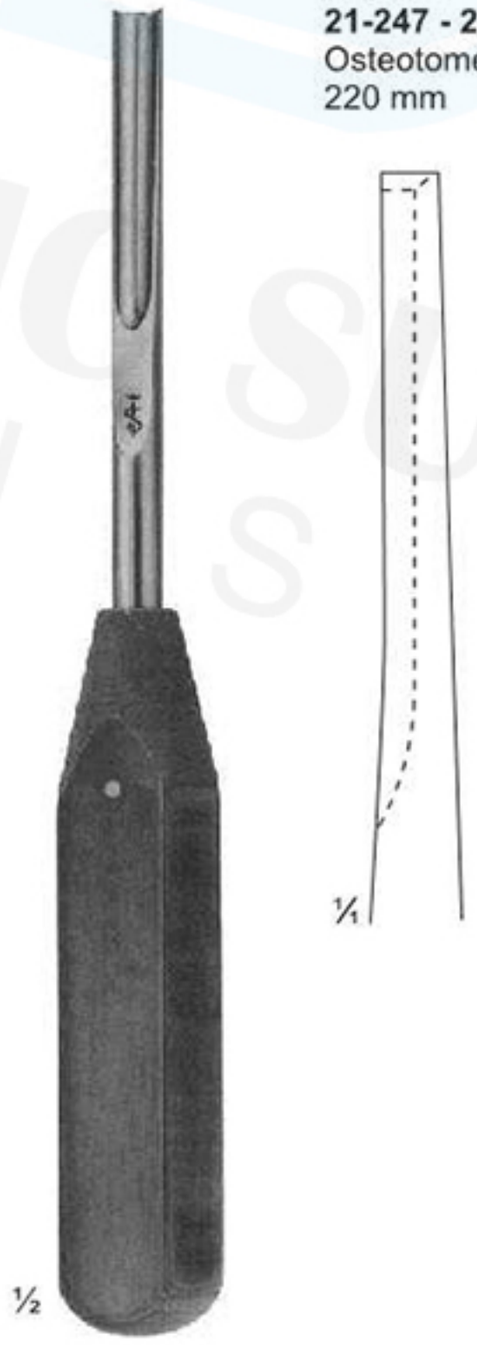
| | |
|---|---|
| **21-247** | 5 mm |
| **21-248** | 7 mm |
| **21-249** | 10 mm |
| **21-250** | 15 mm |
| **21-251** | 20 mm |
| **21-252** | 25 mm |
| **21-253** | 30 mm |

LEXER
**21-247 - 253**
Osteotomes
220 mm



| | |
|---|---|
| **21-254** | 5 mm |
| **21-255** | 7 mm |
| **21-256** | 10 mm |
| **21-257** | 15 mm |
| **21-258** | 20 mm |
| **21-259** | 25 mm |
| **21-260** | 30 mm |

LEXER
**21-254 - 260**
Gouges
220 mm



LEXER
**21-261**
Gouge for
removing broken
screws
220 mm



| | |
|---|---|
| **21-262** | 5,5 mm |
| **21-263** | 9,0 mm |

ZIELKE
**21-262 - 263**
Gouge for
scoliose-operations
230 mm

# Osteotomes ,Chisels and Gouges with HARTPRESS -handle




**21-264** 10 mm
**21-265** 15 mm

LEXER
**21-264 - 265**
Ostoeotomes,
angled
275 mm

**21-266** 10 mm
**21-267** 15 mm

LEXER
**21-266 - 267**
Gouges,
angled
275 mm

**21-268**
Chisel
245 mm

**21-269**
Chisel, curved
265 mm

THORACIC SURGICAL INDUSTRY

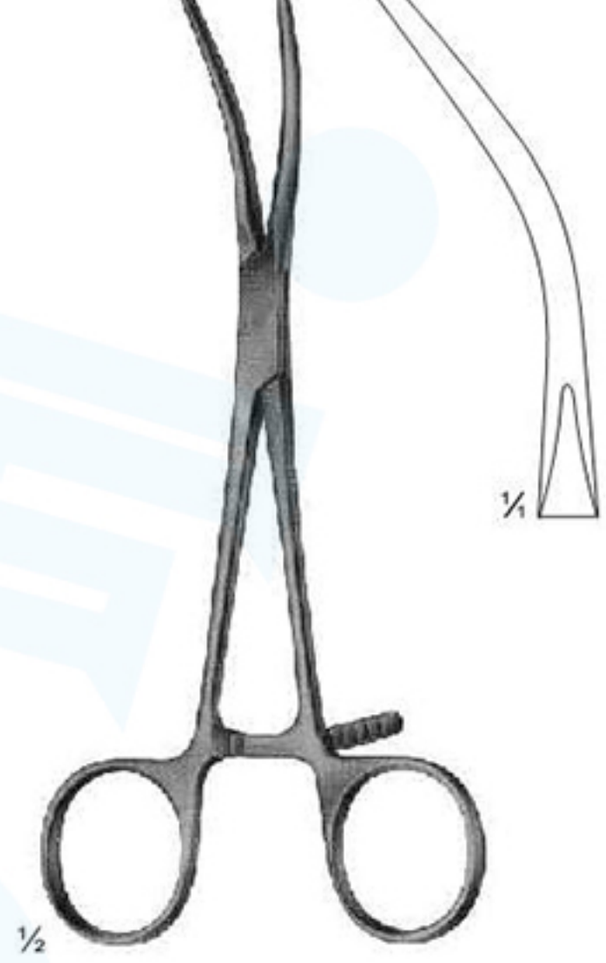
# Reposition Forceps



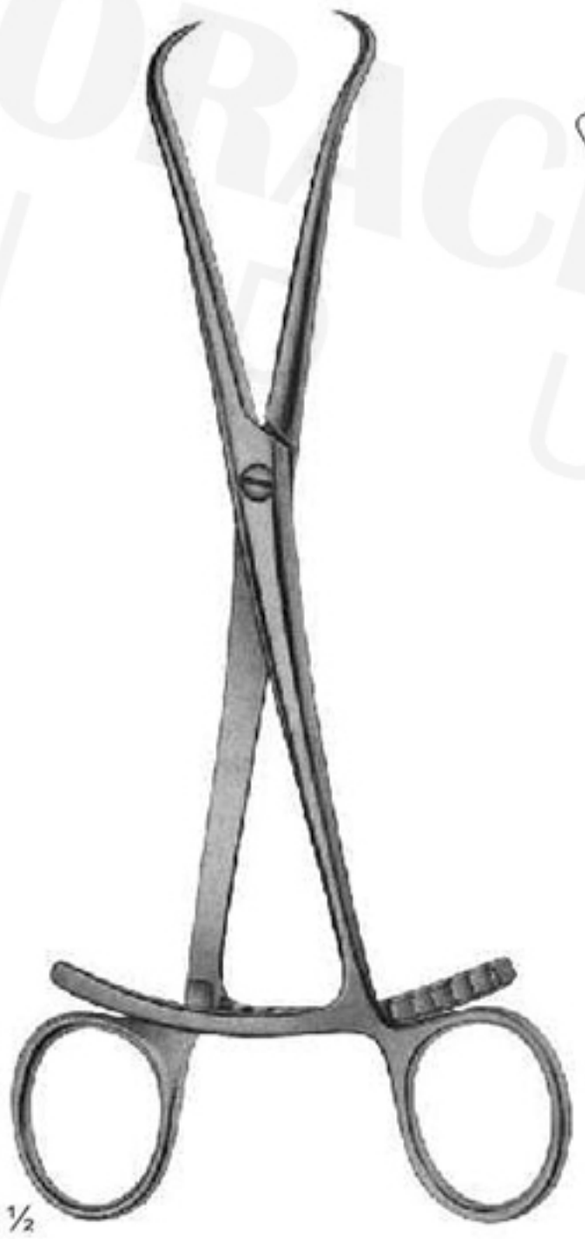

**22-101**
Reposition forceps,
for small fragments
135 mm




HAASE
**22-102**
Reposition forceps,
for mandibular
fractures
165 mm

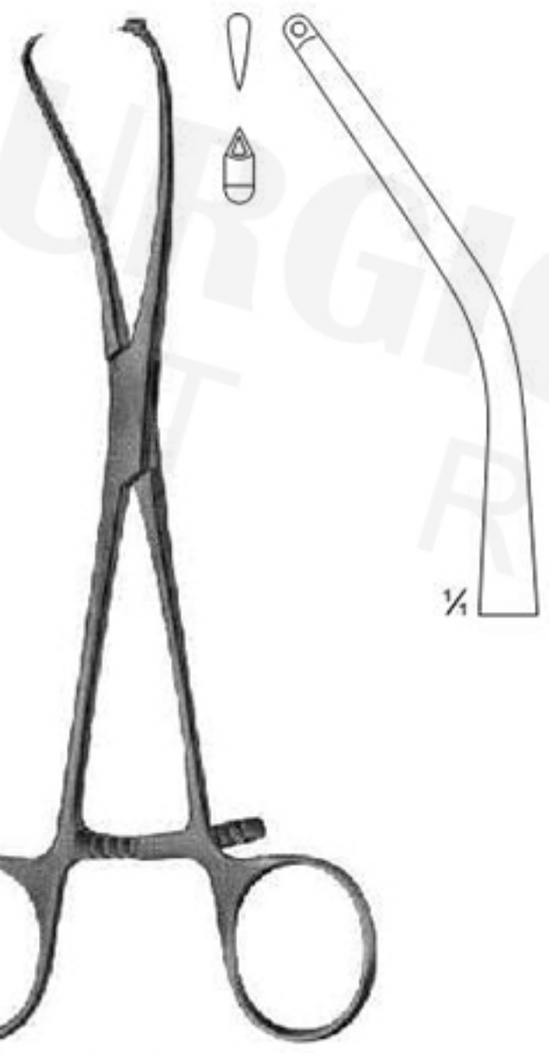



REILL
**22-103**
Reposition forceps,
170 mm




**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

THORACIC SURGICAL INSTRUMENTS

# Reposition Forceps, Bone Holding Forceps




**22-106**
Patella forceps
185 mm



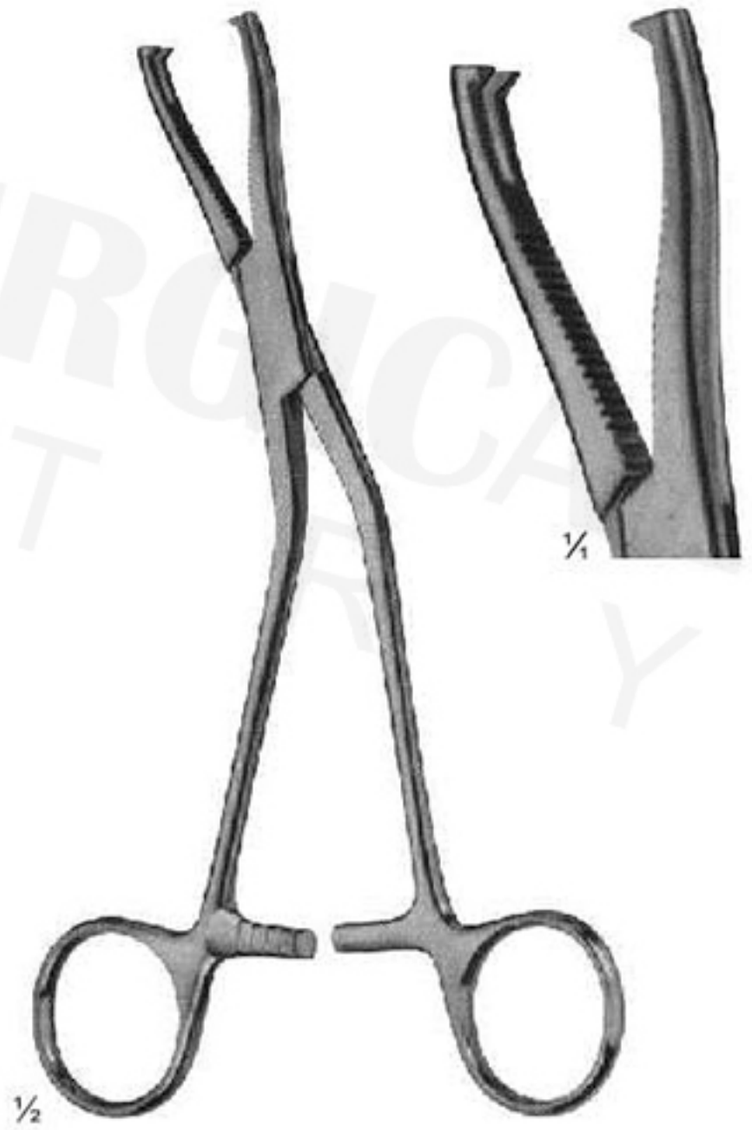

**22-107**
Forceps with
ratchet fixation
140 mm




**22-108**
Forceps with
thread fixation
170 mm



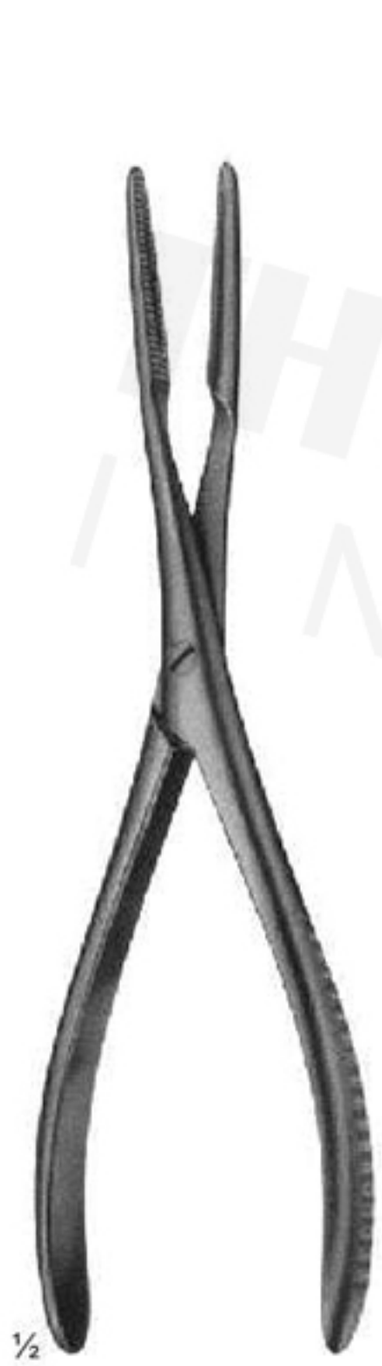

**22-109**
Forceps with
thread fixation
235 mm



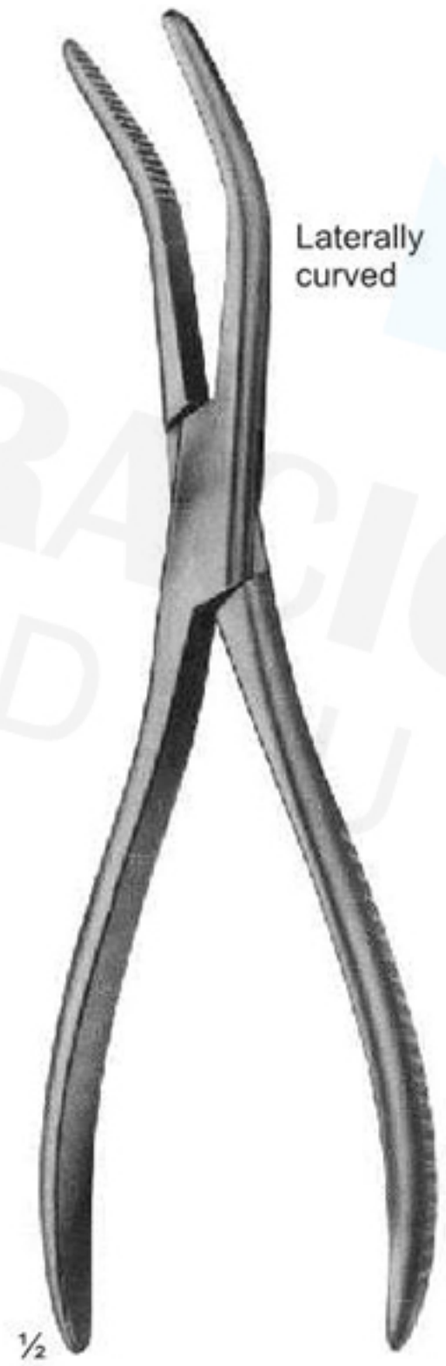

**22-110**
DINGMANN
185 mm

THORACIC SURGICAL INSTRUMENTS

# Bone Holding Forceps



**22-111**
Sequestrum
forceps
200 mm




**22-112**
VAN BUREN
Sequestrum
forceps
225 mm



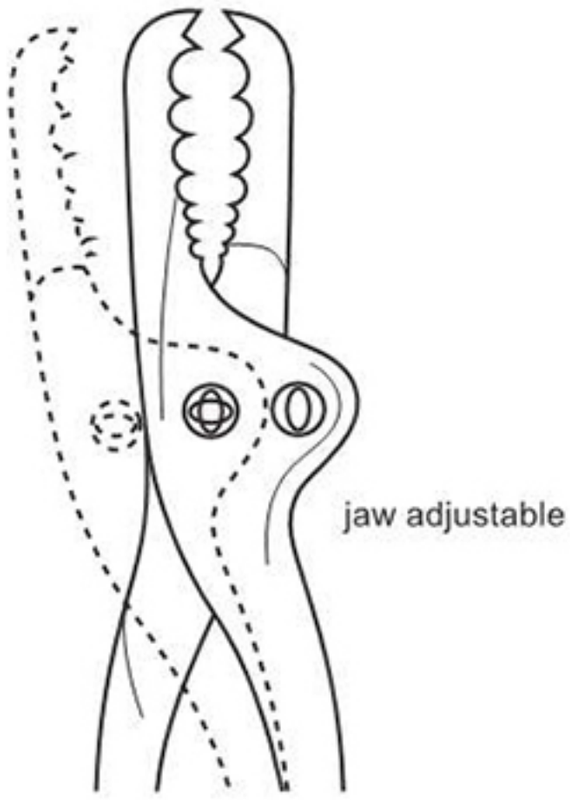

**22-113**
LANGENBECK
Sequestrum
forceps
205 mm




**22-114**
FERGUSSON
205 mm

THORACIC SURGICAL INSTRUMENTS

# Bone Holding Forceps





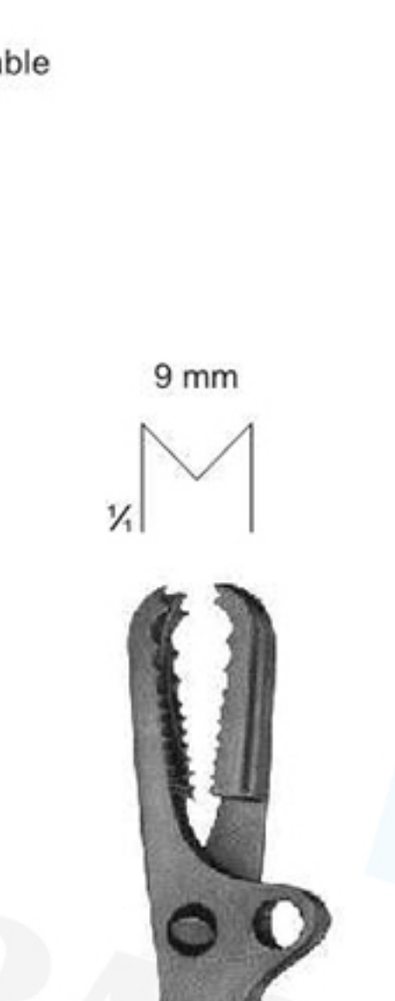






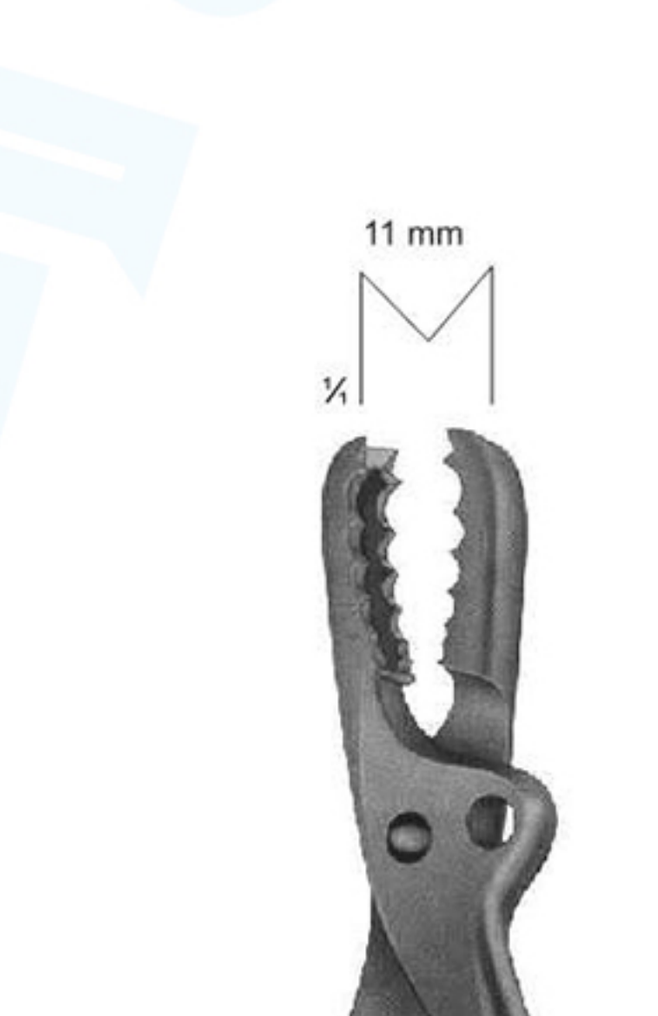











**22-115**
SEMB
190 mm

**22-116**
FARABEUF
230 mm

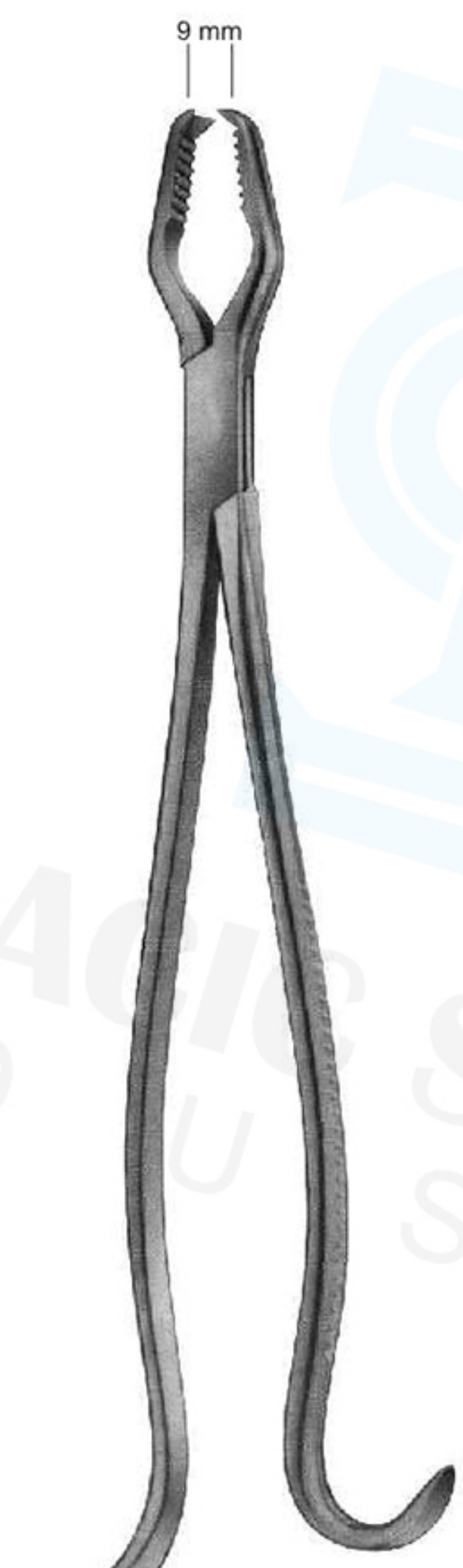
**22-117**
FARABEUF
255 mm

**22-118**
FARABEUF-LAMBOTTE
255 mm

# Bone Holding Forceps




**22-119**
KERN-LANE
240 mm




**22-120**
LANE
330 mm




**22-121**
KERN-LANE
240 mm

THORACIC SURGICAL INDUSTRY

# Bone Holding Forceps




**22-122**
LANE
320 mm




**22-123**
HEY GROVES
305 mm

THORACIC SURGICAL INDUSTRY

# Bone Holding Forceps



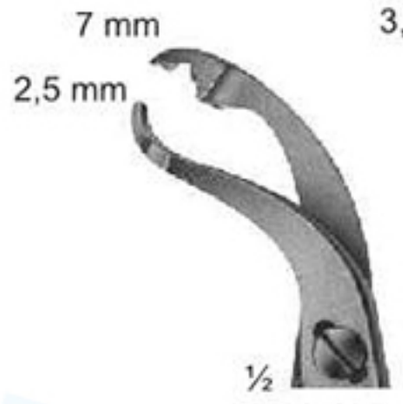

**22-124 - 128**

| | |
|---|---|
| **22-124** | 145 mm |
| **22-125** | 190 mm |
| **22-126** | 240 mm |
| **22-127** | 260 mm |
| **22-128** | 280 mm |

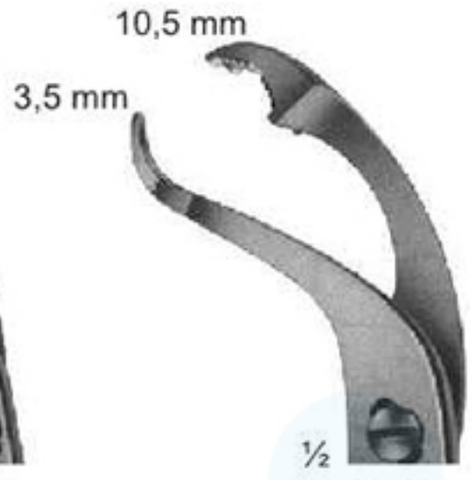
Self-centering forceps
with thread fixation



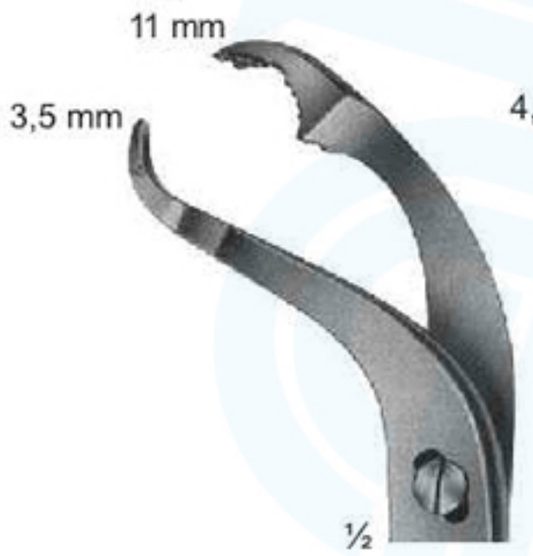

**22-124**
for small
fragments



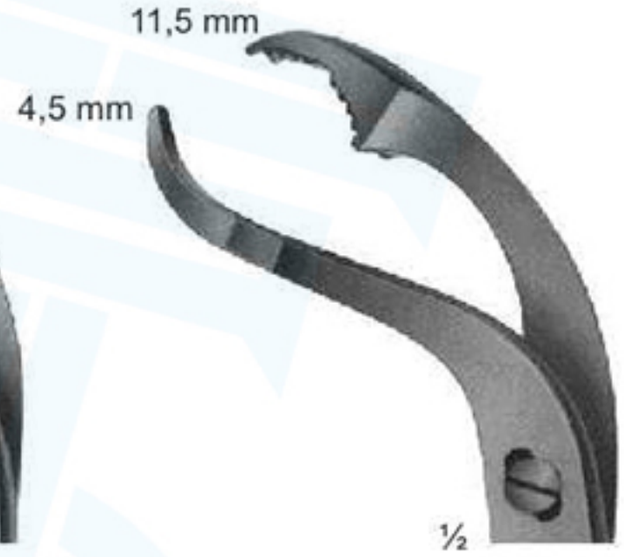

**22-125**
Fig: 0




**22-126**
Fig: 1




**22-127**
Fig: 2




**22-128**
Fig: 3




**22-129 - 131**

| | |
|---|---|
| VERBRUGGE | 255 mm |
| with lip joint | 265 mm |
| | 270 mm |




**22-129**
Fig: 1




**22-130**
Fig: 2




**22-131**
Fig: 3




**22-132**
LAMBOTTE
265 mm

# Bone Clamps



**22-133 - 134**
LOWMAN
**22-133** 170 mm
**22-134** 205 mm



**22-135**
LOWMAN-GERSTER
210 mm



**22-136**
LOWMAN-HOGLUND
175 mm

THORACIC SURGICAL INDUSTRY

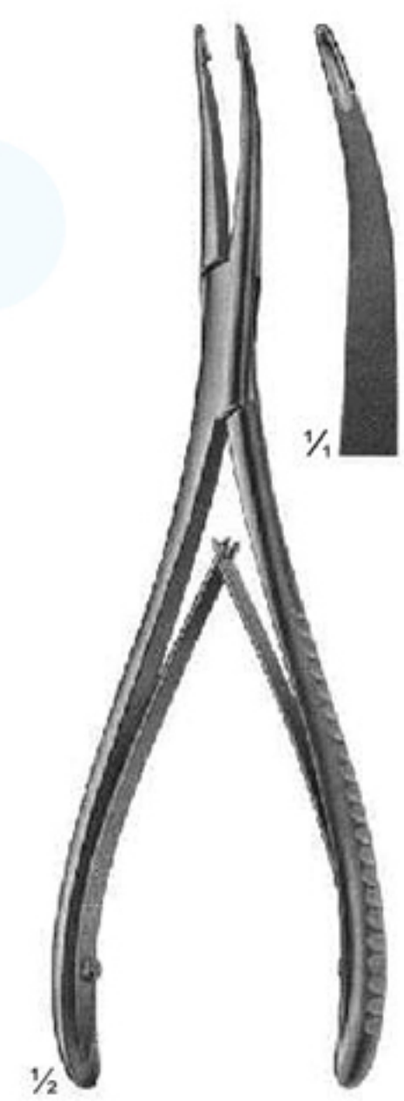
# Synovectomy-Rongeurs, Bone Rongeurs



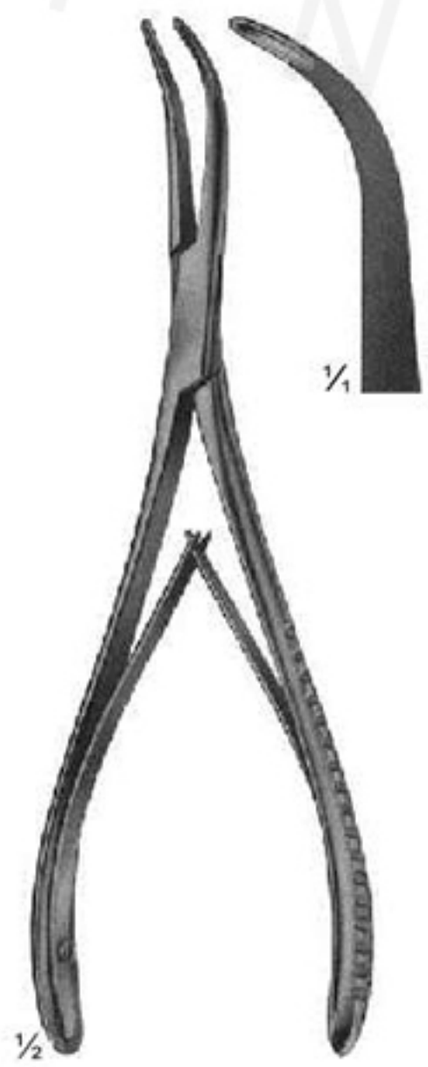

**22-137 - 138**
Synovcetomy rongeur
width of jaws 1.2 mm
130 mm




**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



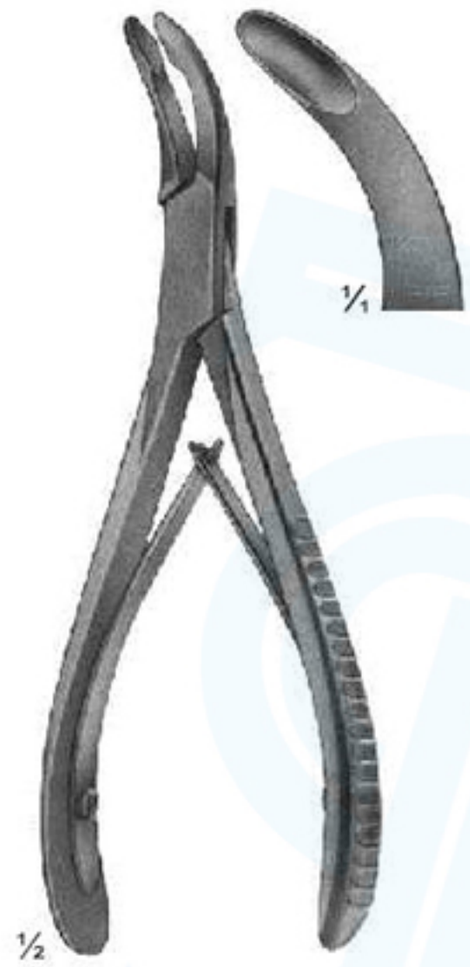

**22-144**
140 mm

THORACIC SURGICAL INSTRUMENTS

# Bone Rongeurs



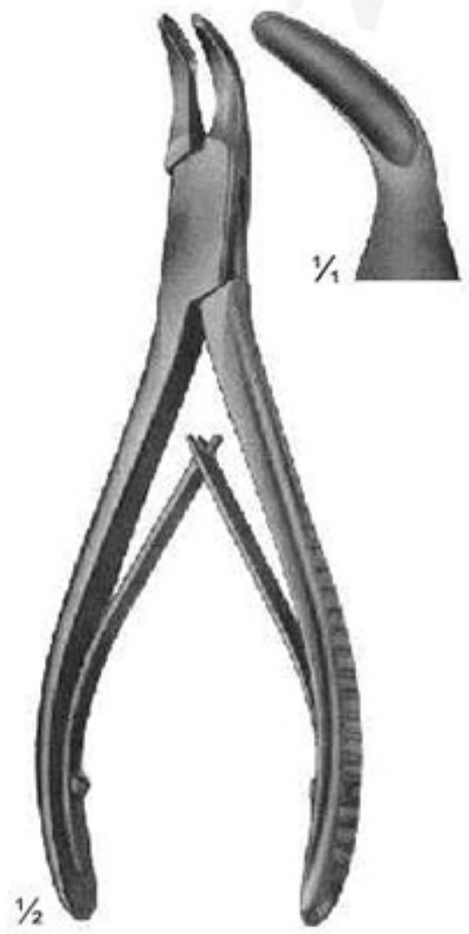

**22-145**
LURE
150 mm



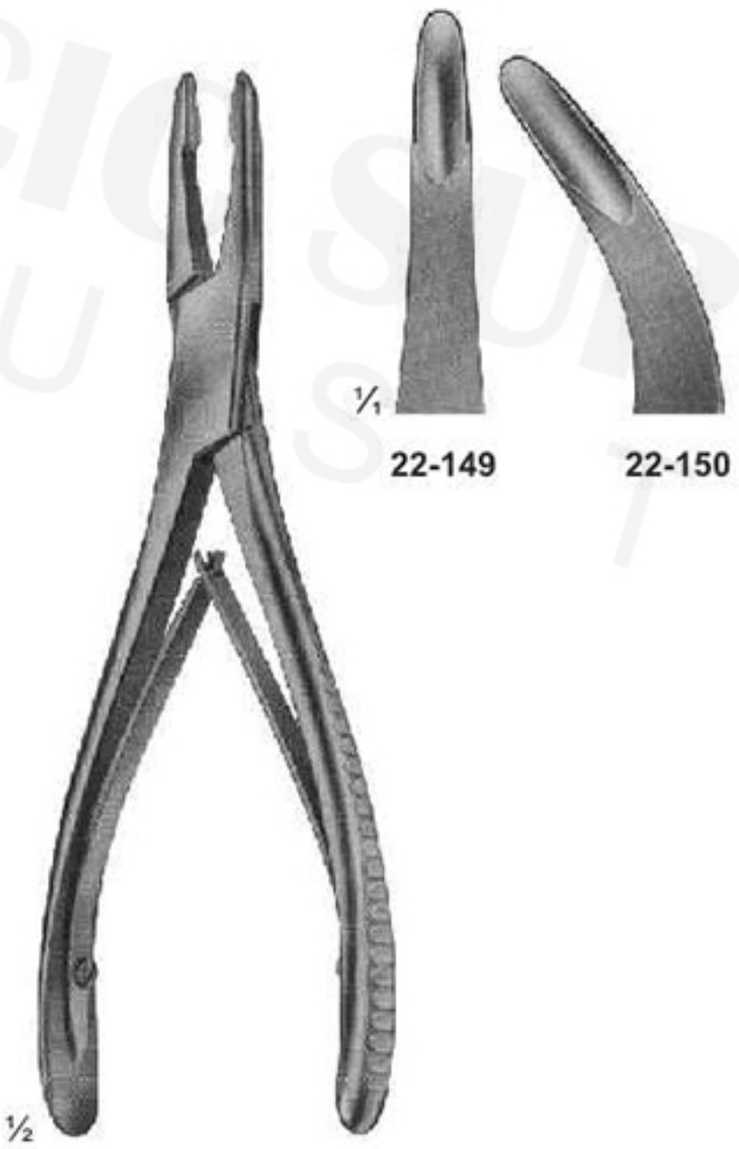

**22-146**
LURE
155 mm



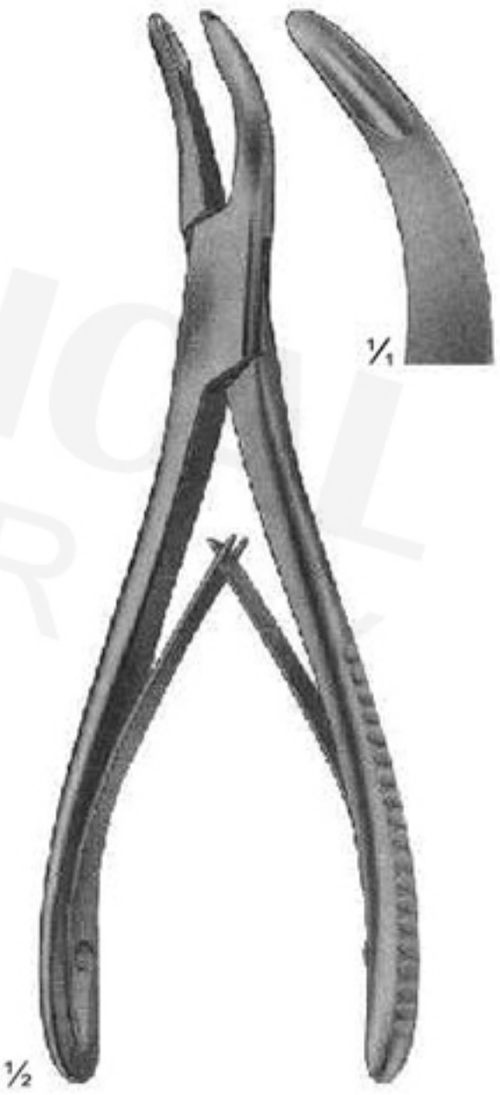

**22-147**
BLUMENTHAL
155 mm




**22-148**
BLUMENTHAL
150 mm




**22-149 - 150**
JANSEN
175 mm

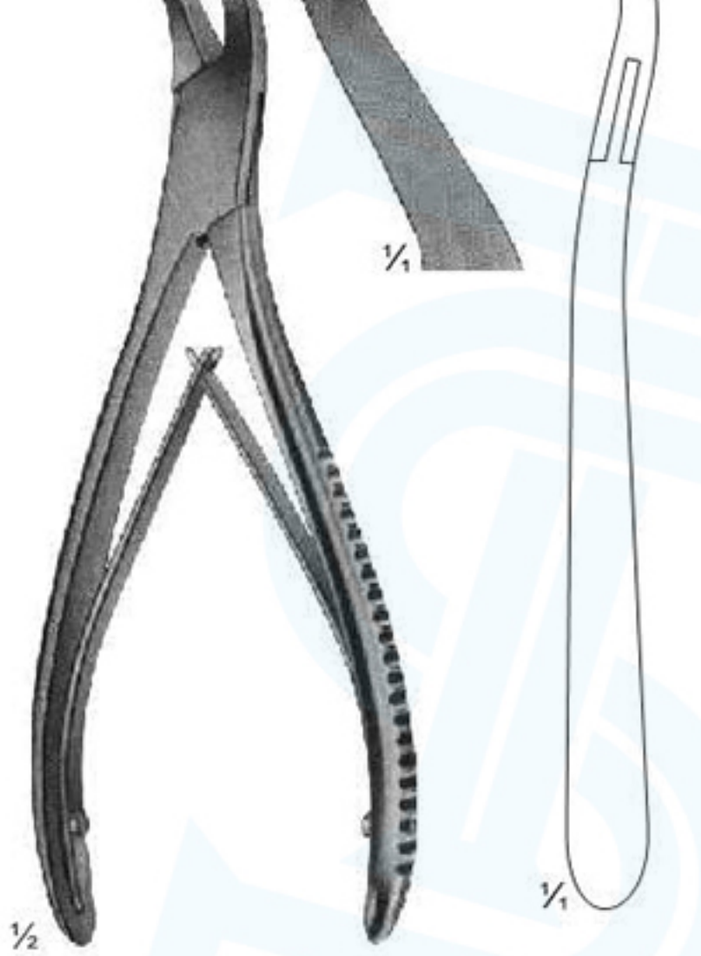



**22-151**
BANE-HARTMANN
175 mm

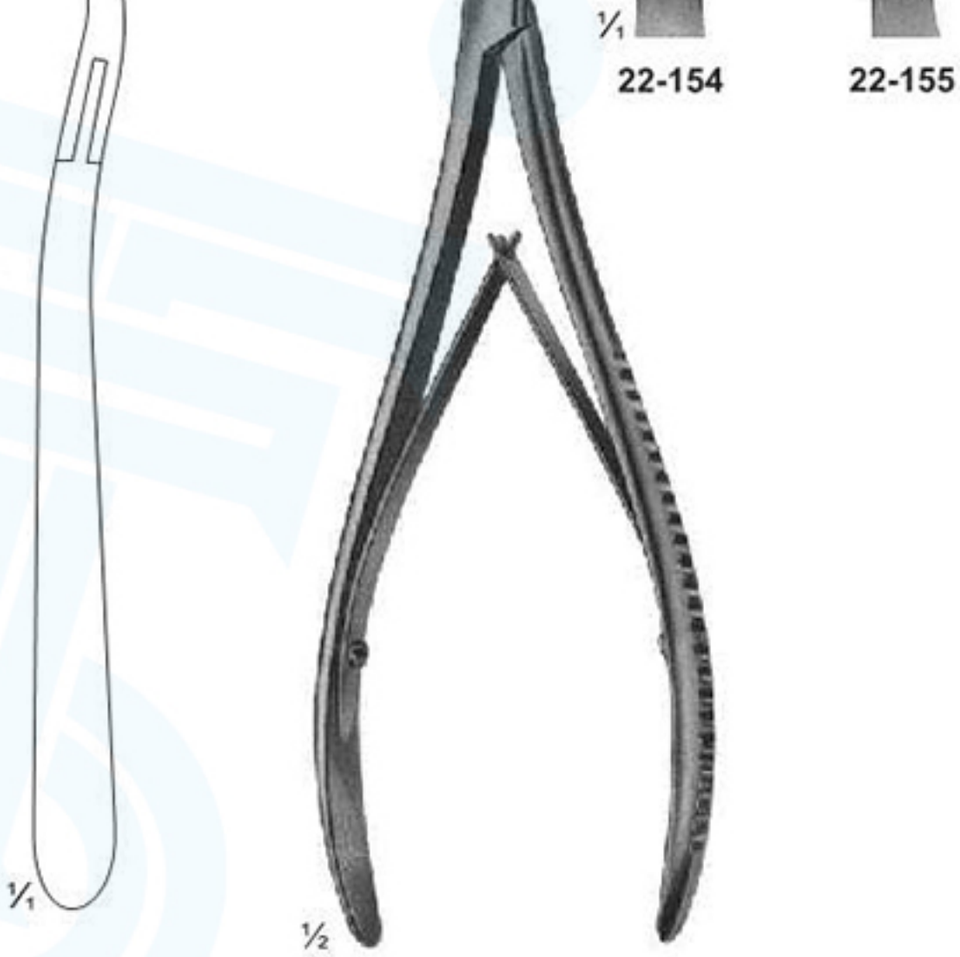
# Bone Rongeurs



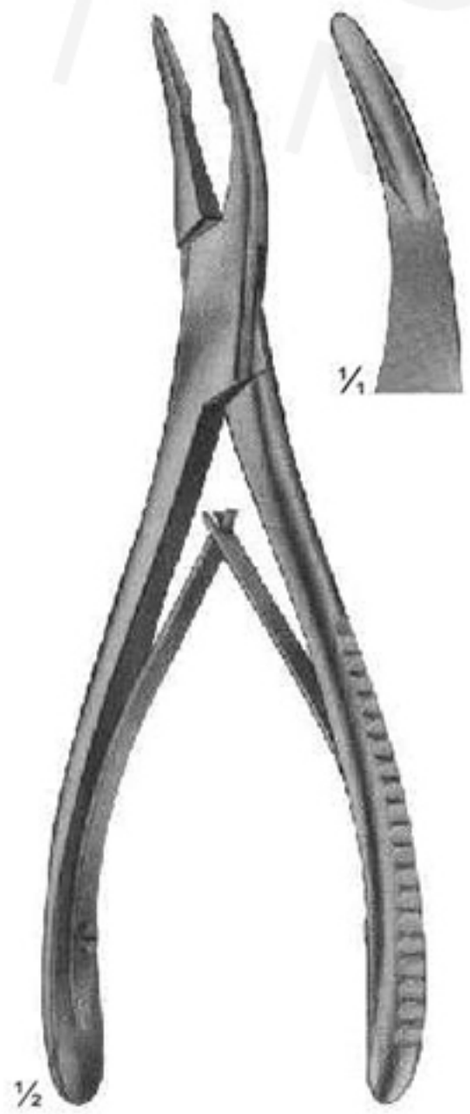

**22-152**
ALEXANDER
140 mm



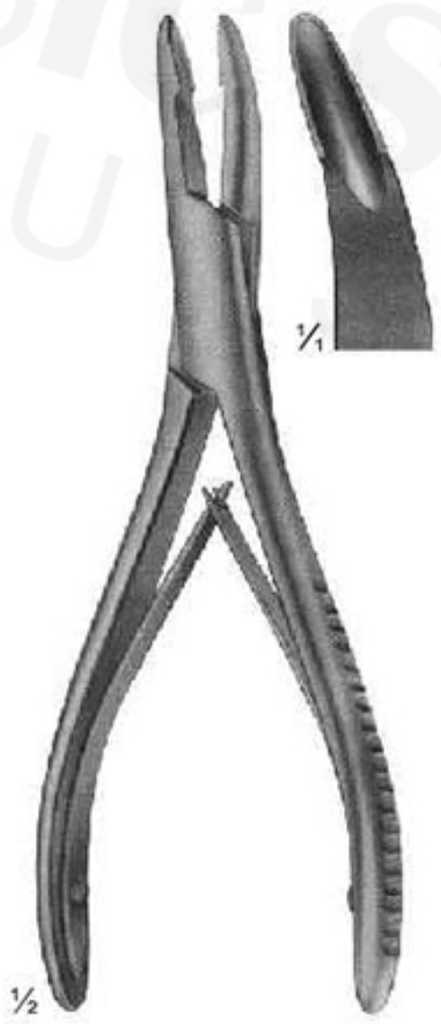

**22-153**
JANSEN
190 mm



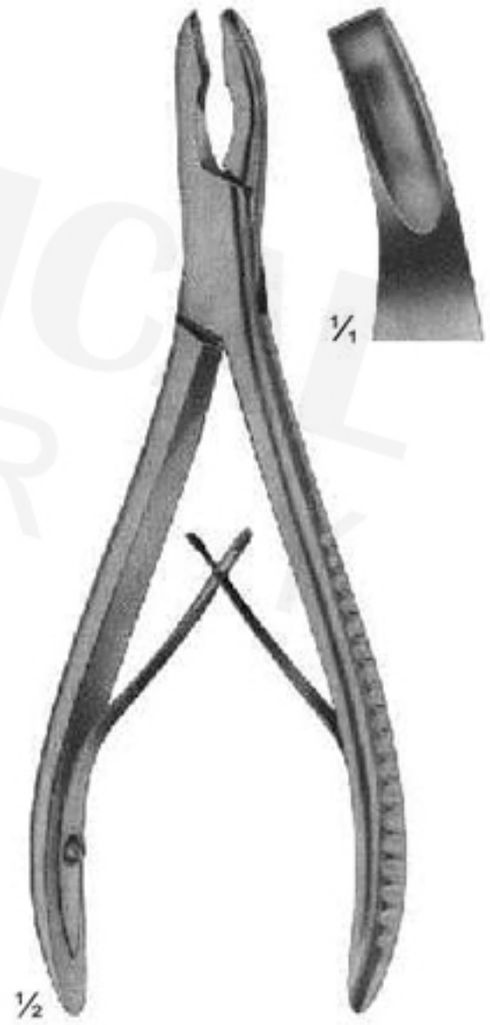

**22-154 - 155**
LEMPERT
200 mm




**22-156**
BEYER
180 mm

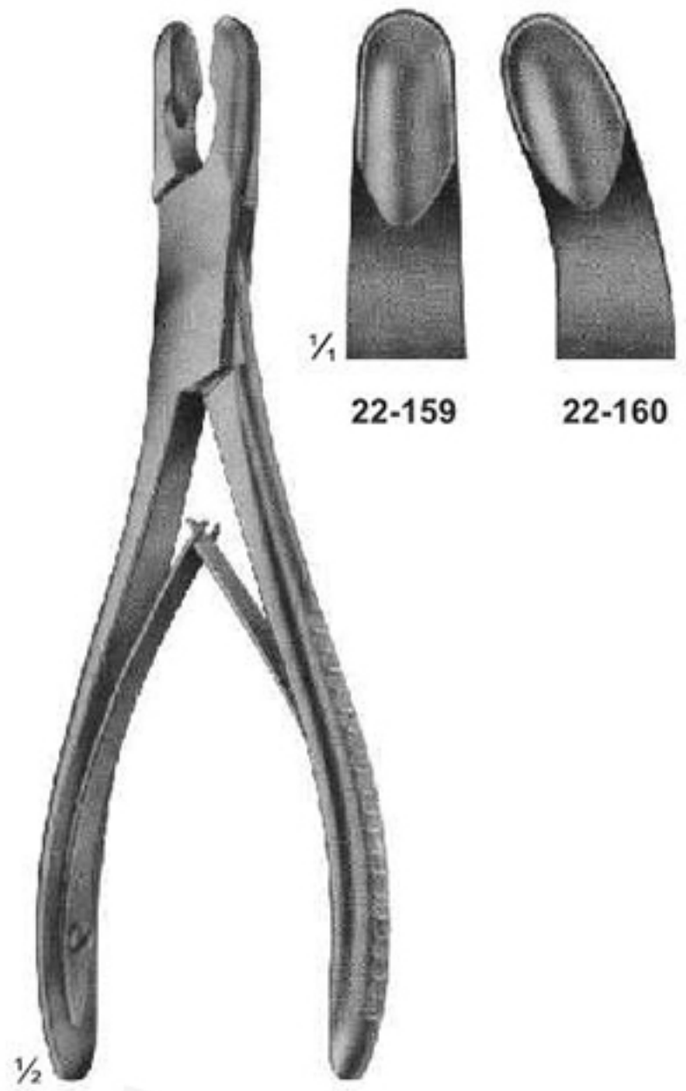



**22-157**
MEAD
165 mm

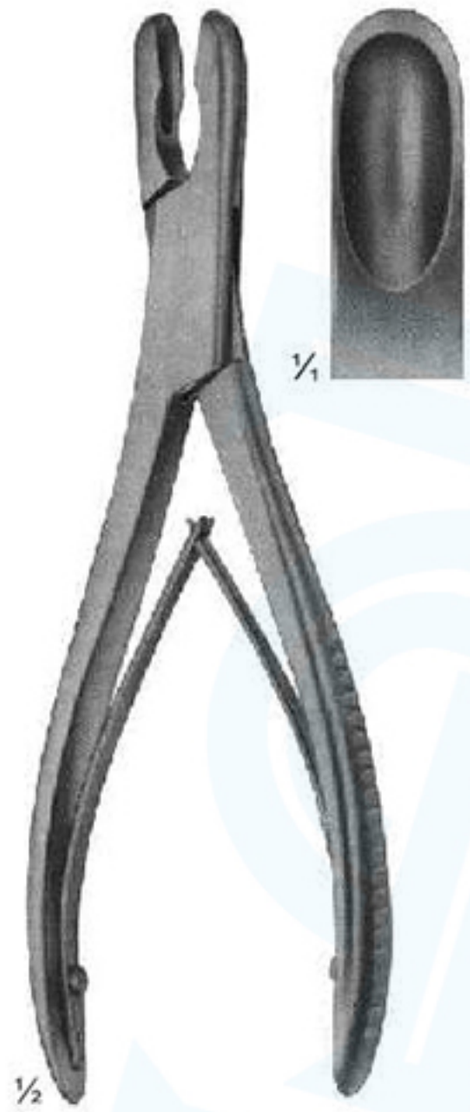



**22-158**
MEAD
165 mm

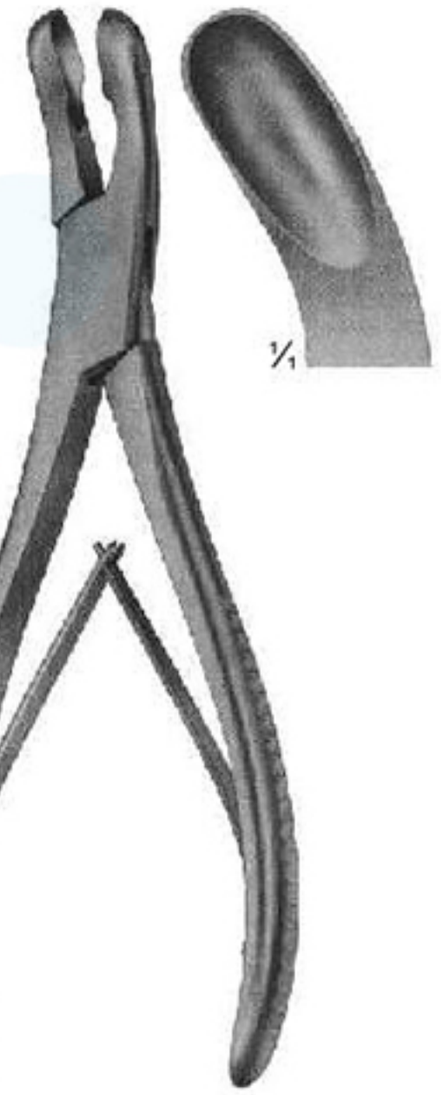
# Bone Rongeurs



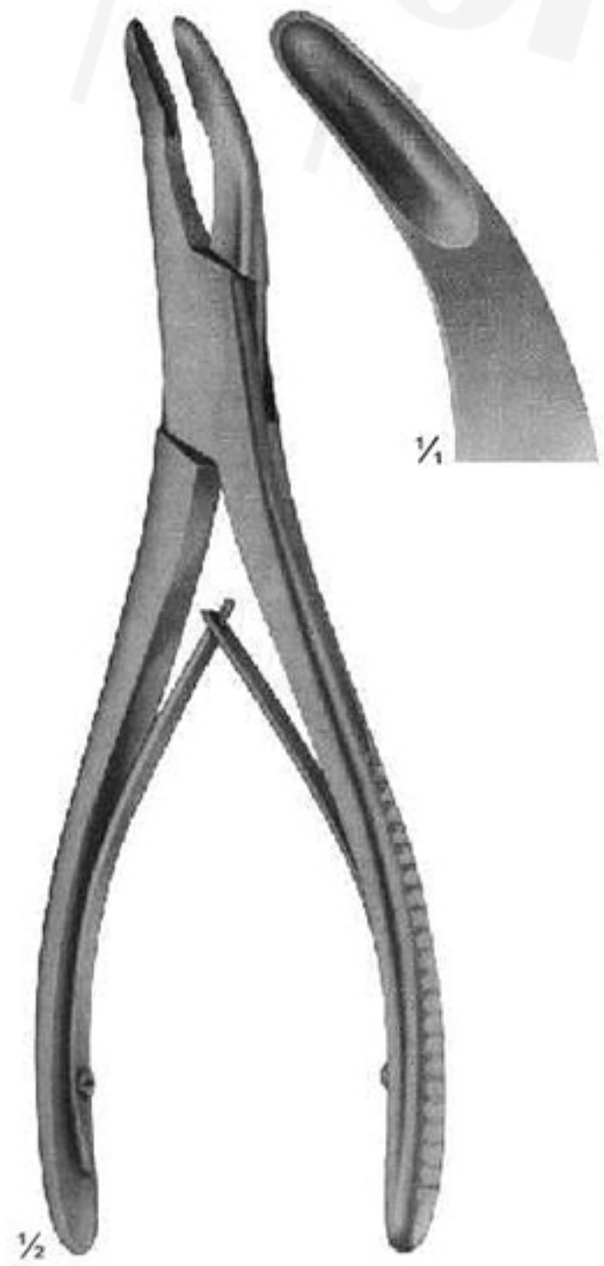

**22-159 - 160**
LURE
175 mm



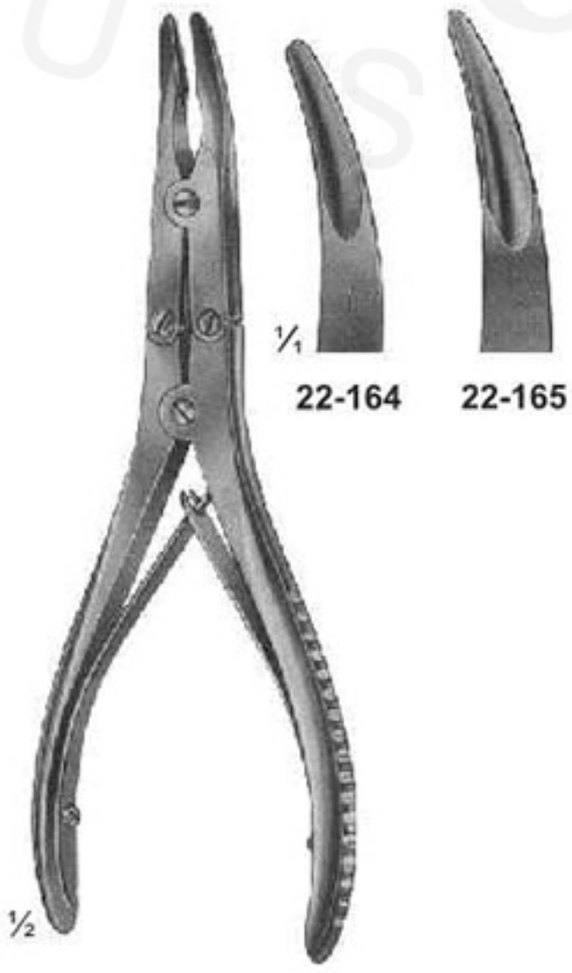

**22-161**
LURE
180 mm



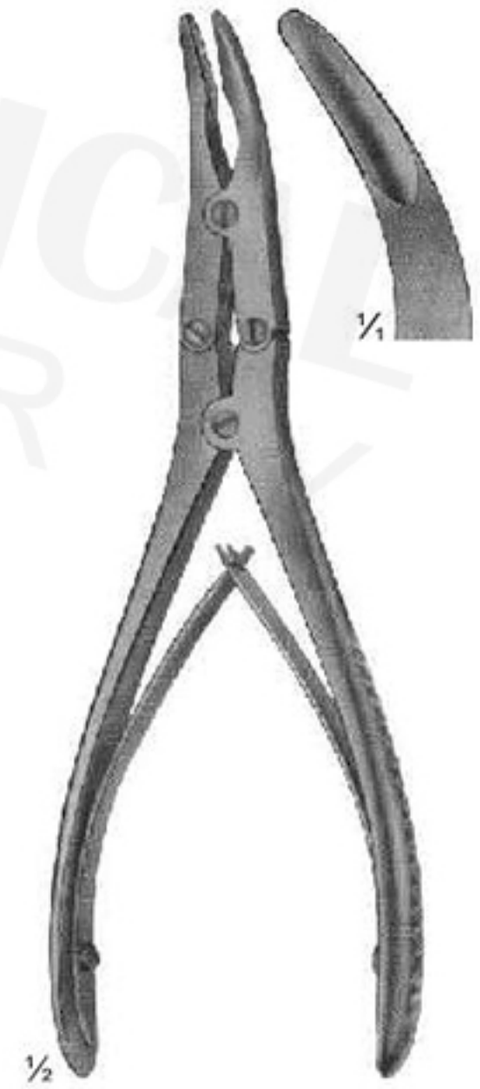

**22-162**
LURE
180 mm




**22-163**
OLIVECRONA
205 mm




**22-164 - 165**
BOHLER
155 mm




**22-166**
MARQUARTD
200 mm

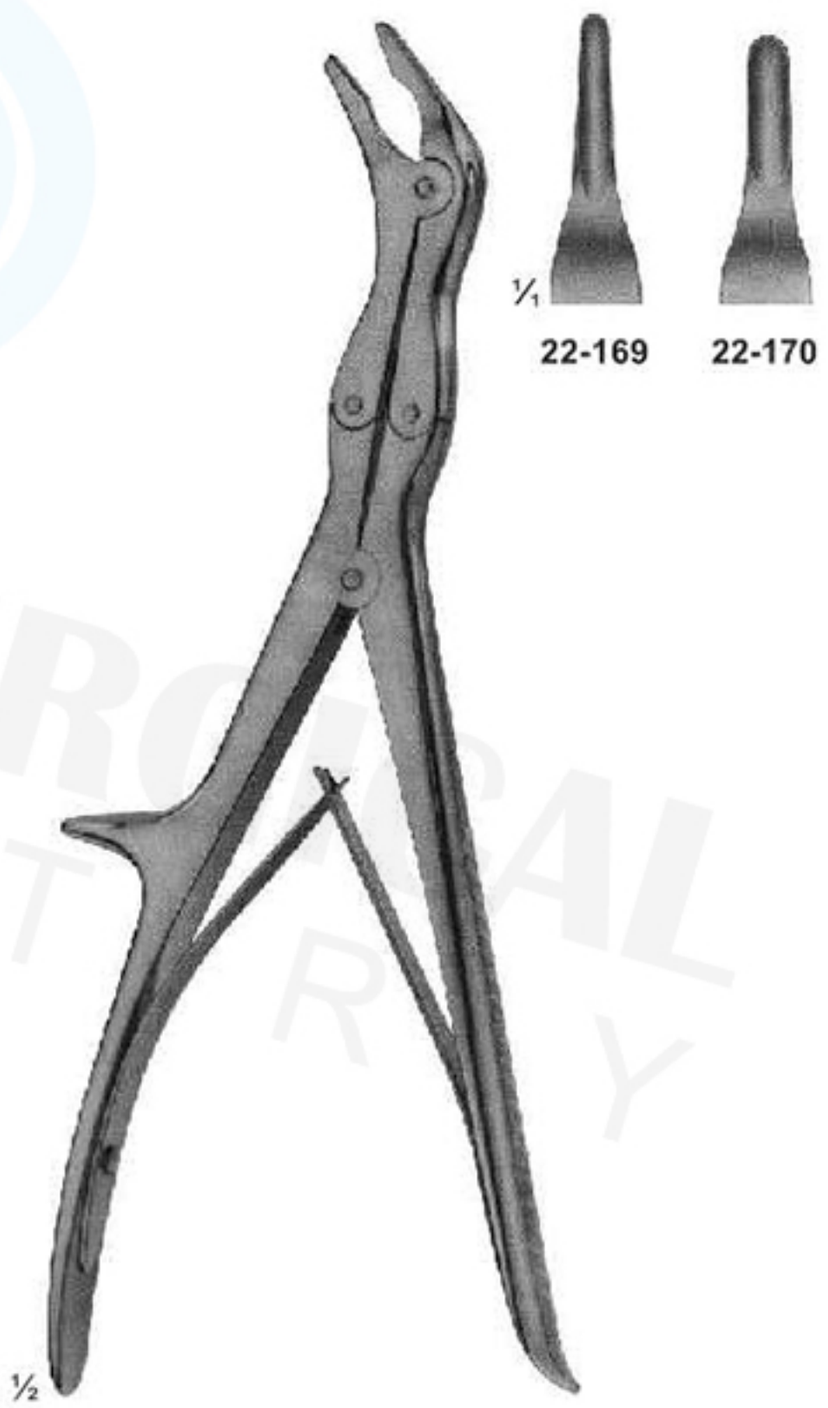
# Bone Rongeurs




**22-167**
RUSKIN
190 mm




**22-168**
ROTTGEN-RUSKIN
240 mm




**22-169 - 170**
ECHLIN
230 mm

THORACIC SURGICAL INSTRUMENTS

# Bone Rongeurs




**22-171**
STILLE
235 mm




**22-172**
LEKSELL-STILLE
240mm




**22-173**
STILLE-RUSKIN
240mm

# Bone Rongeurs



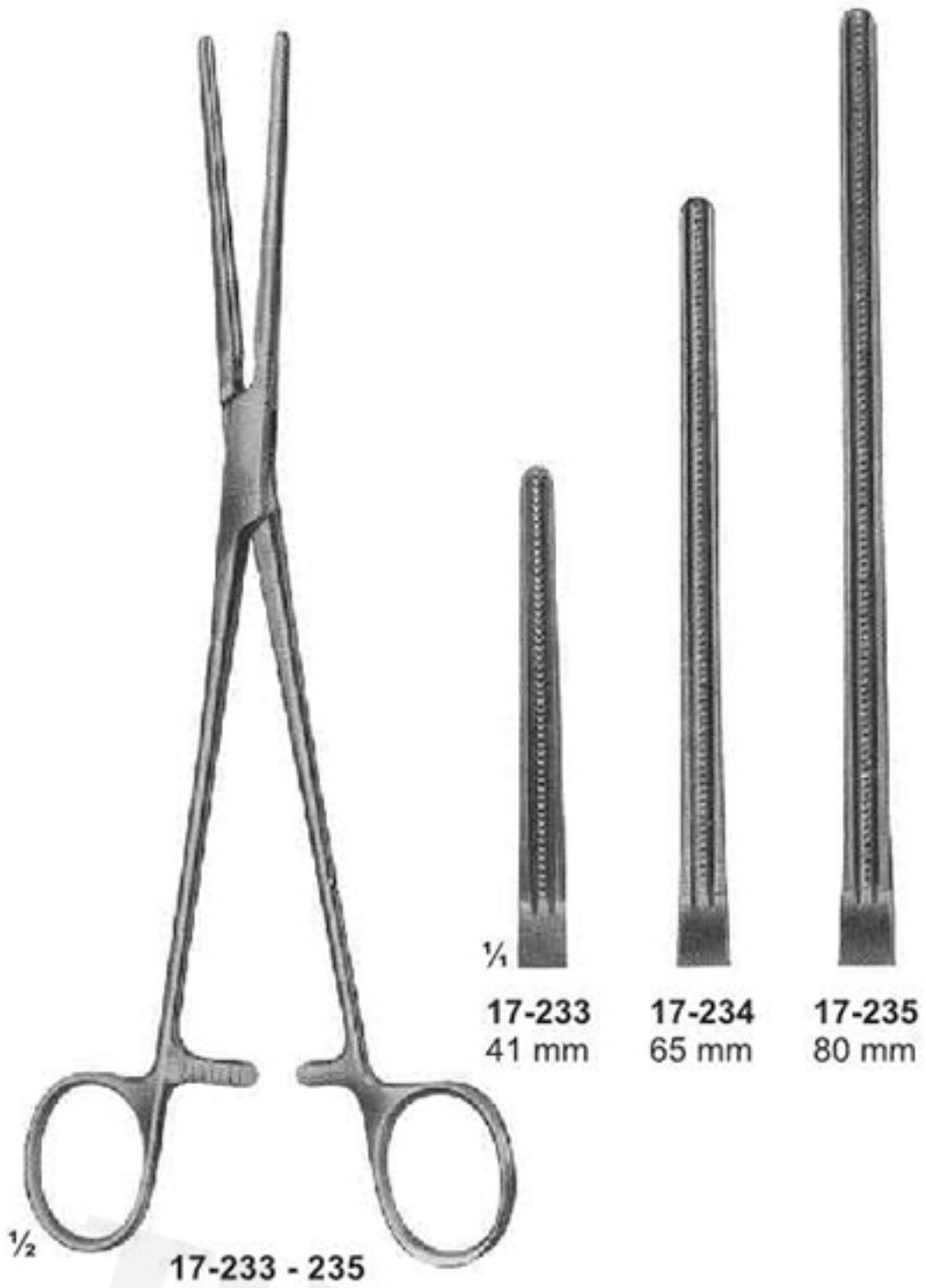

**22-174**
LURE-STILLE
225 mm




**22-175**
LURE-STILLE
225 mm

THORACIC SURGICAL INDUSTRY

# Vena-Cava Clamps

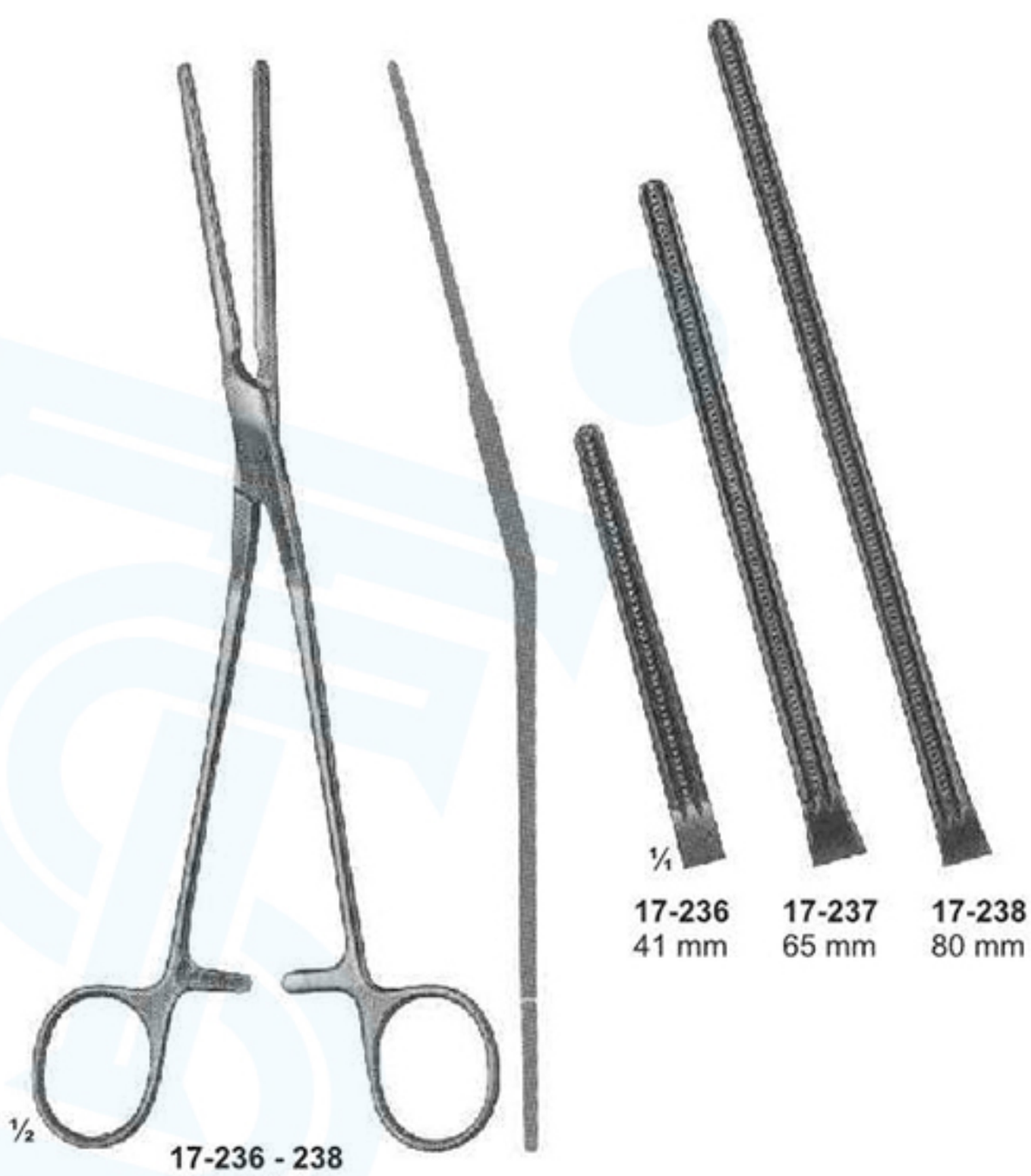



**17-233 - 235**
DE BAKEY
205 mm, 225 mm, 240 mm

**17-233**
41 mm

**17-234**
65 mm

**17-235**
80 mm

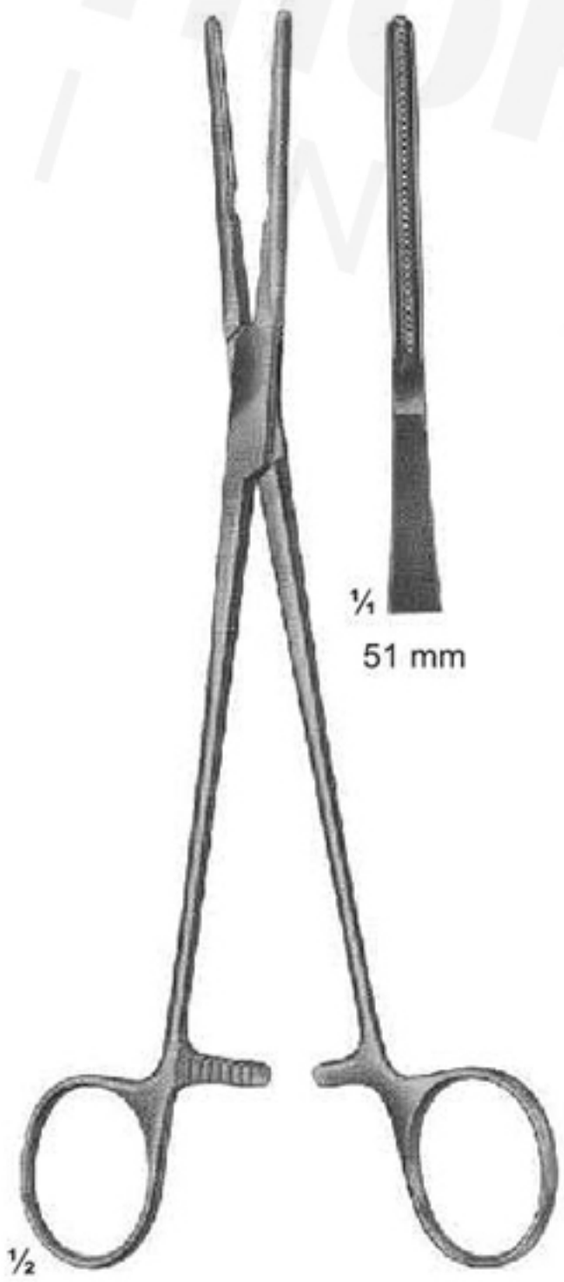



**17-236 - 238**
DE BAKEY
200 mm, 225 mm, 240 mm

**17-236**
41 mm

**17-237**
65 mm

**17-238**
80 mm




**17-239**
DE BAKEY
210 mm

51 mm




**17-240**
DE BAKEY
210 mm

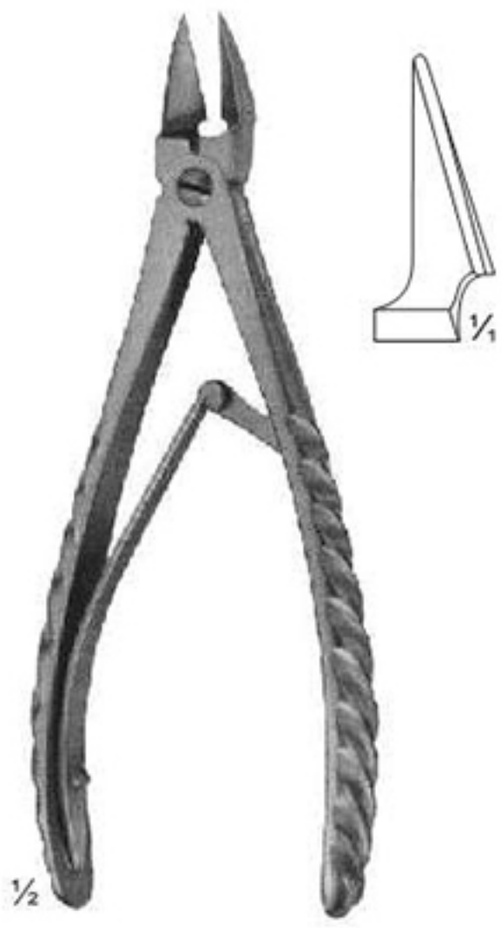
51 mm



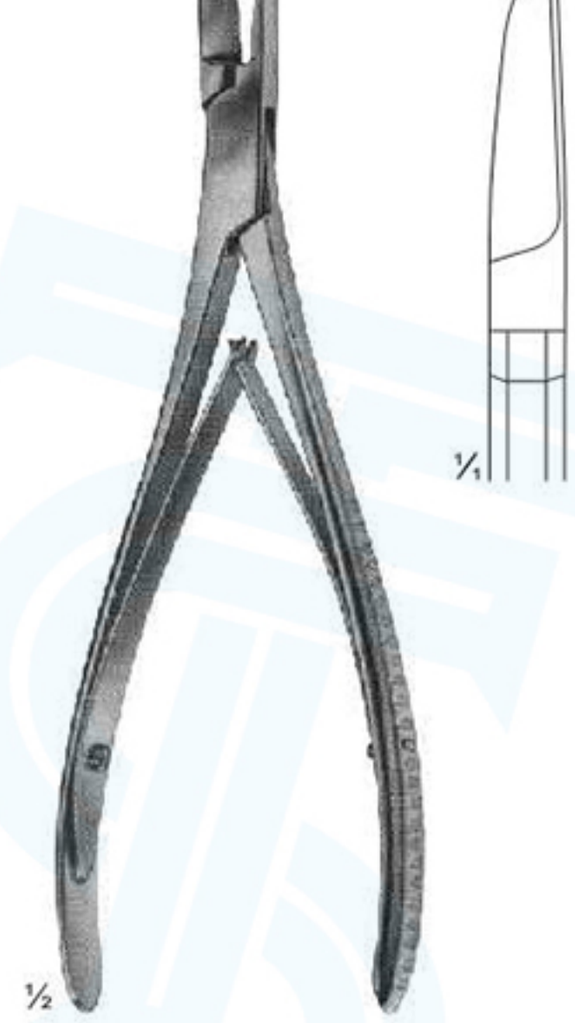

**17-241**
DE BAKEY
160 mm

56 mm

# Bone Cutting Forceps




**22-178**
STAMM
150 mm




**22-179**
KAZANJIAN
185 mm



**22-180**
140 mm



**22-181**
170 mm






**22-182**
200 mm




**22-183**
220 mm

**22-180 - 183**
LISTON






**22-184**
170 mm



**22-185**
200 mm

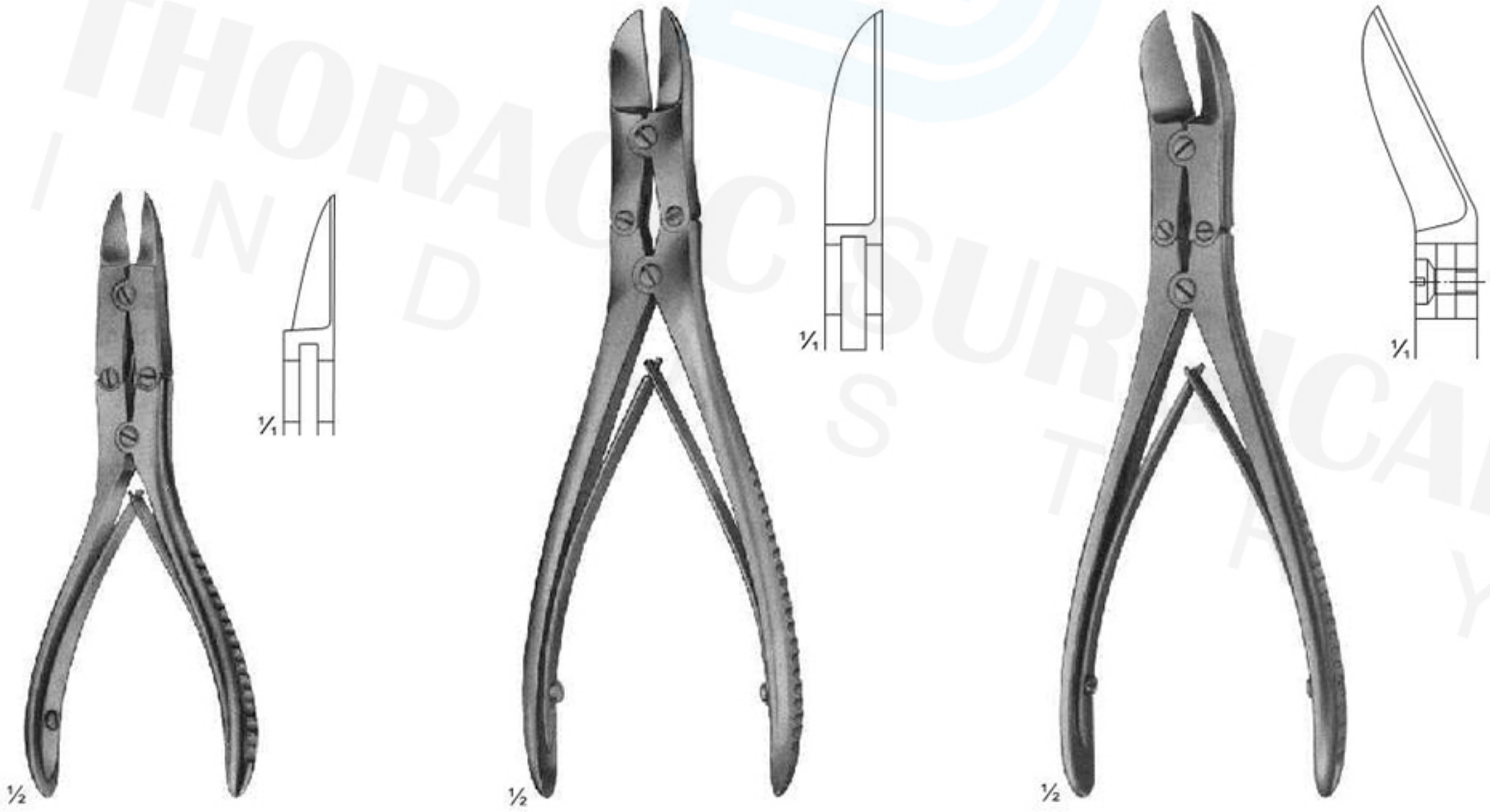



**22-186**
220 mm

**22-184 - 186**
LISTON

THORACIC SURGICAL INDUSTRY

# Bone Cutting Forceps

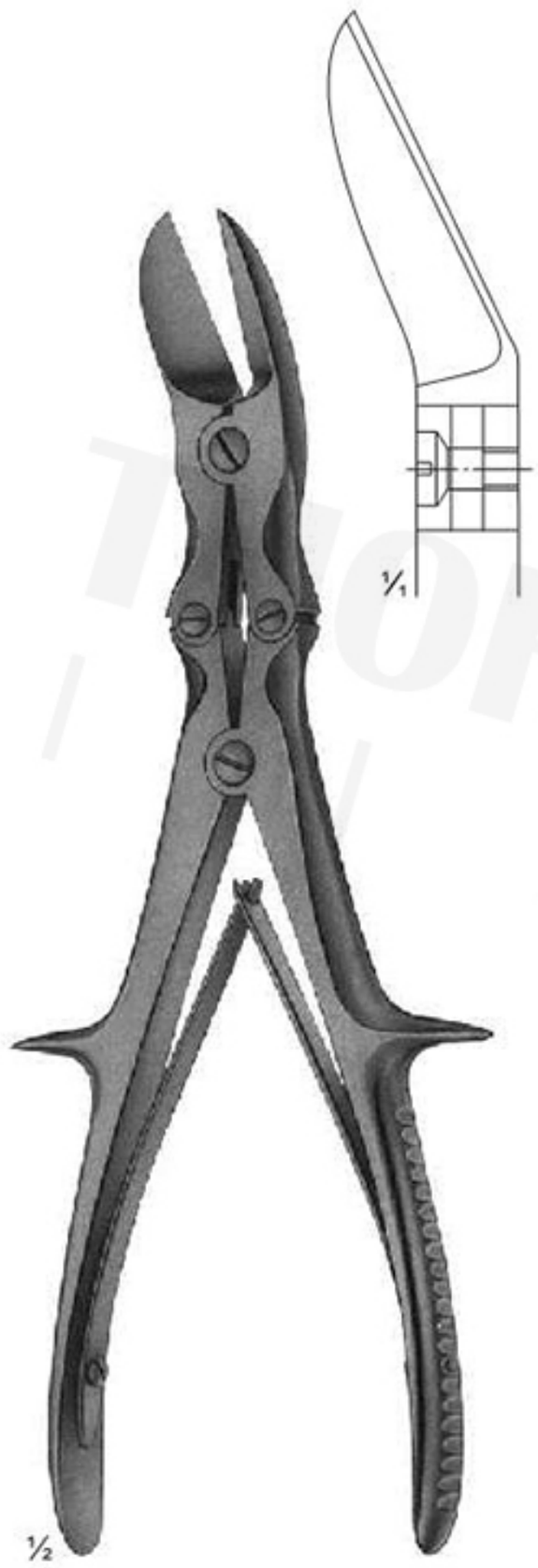



**22-187**
BOHLER
145 mm

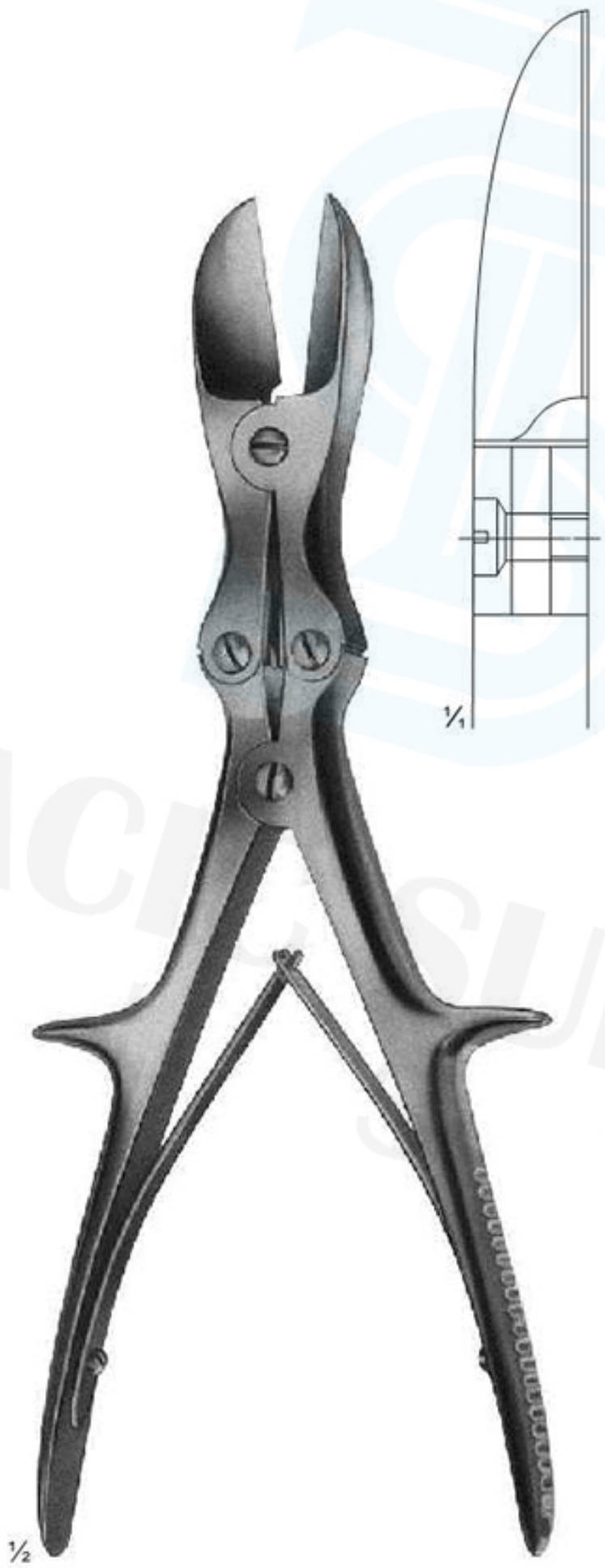
**22-188**
RUSKIN-LISTON
190 mm

**22-189**
RUSKIN-LISTON
190 mm

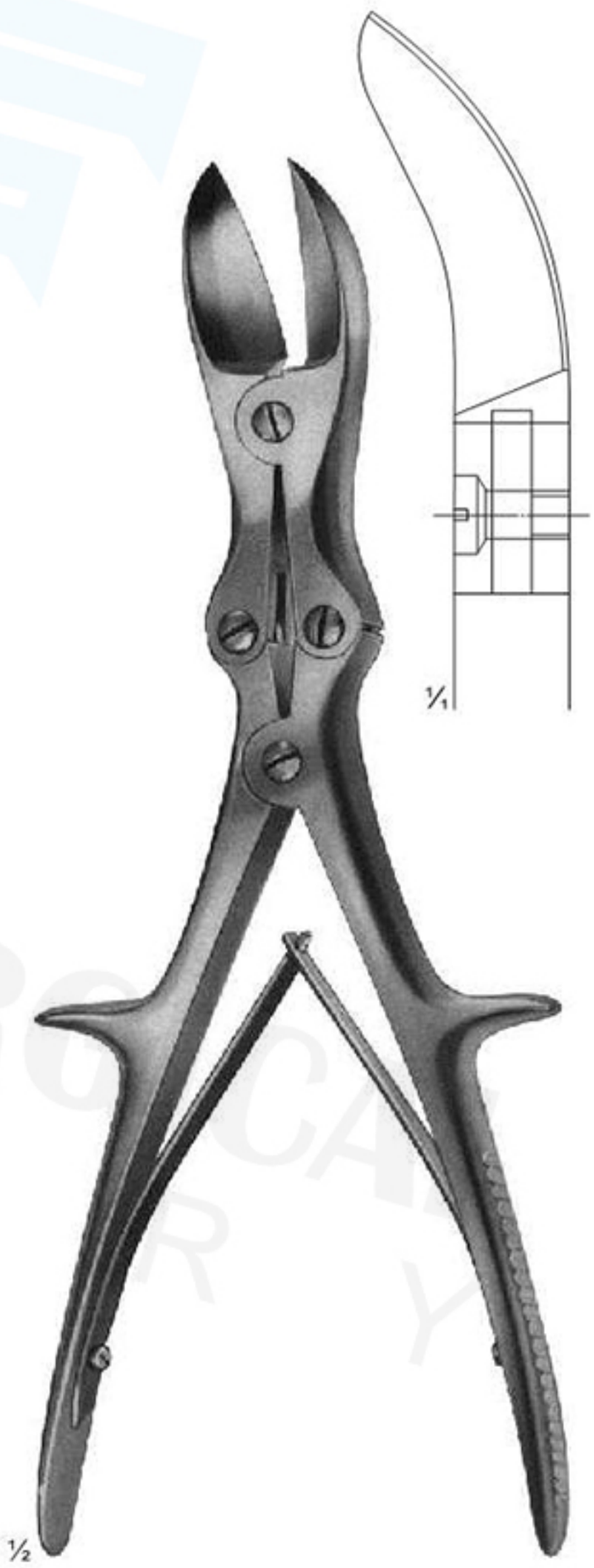
# Bone Cutting Forceps




**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



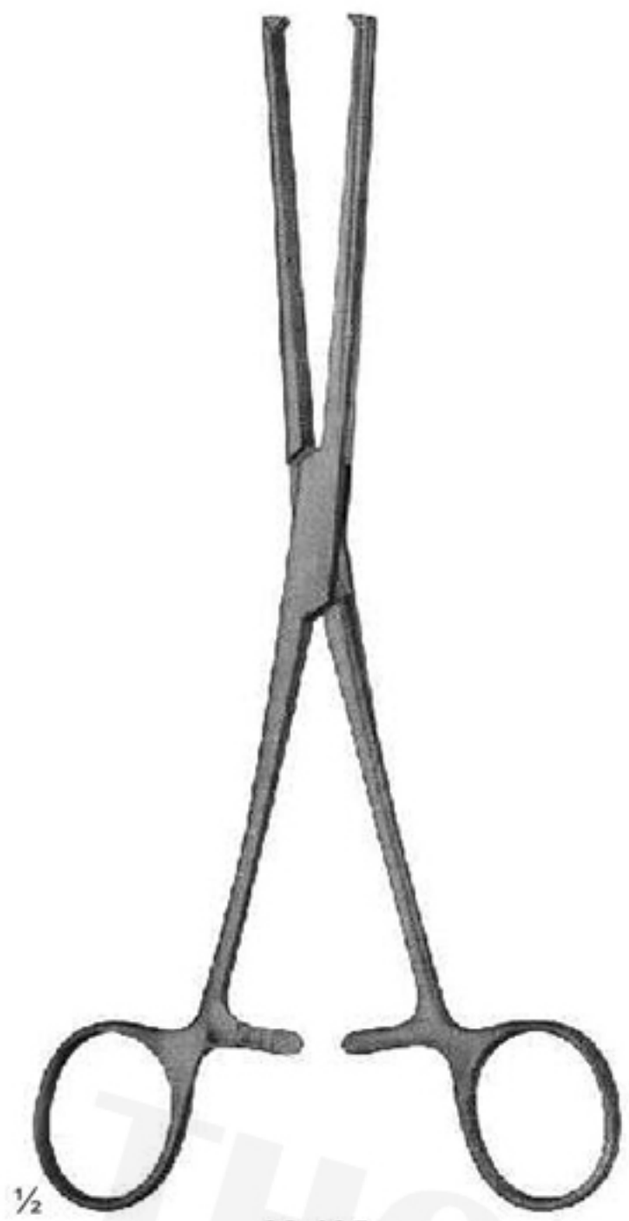

**22-193**
LISTON-STILLE
265 mm



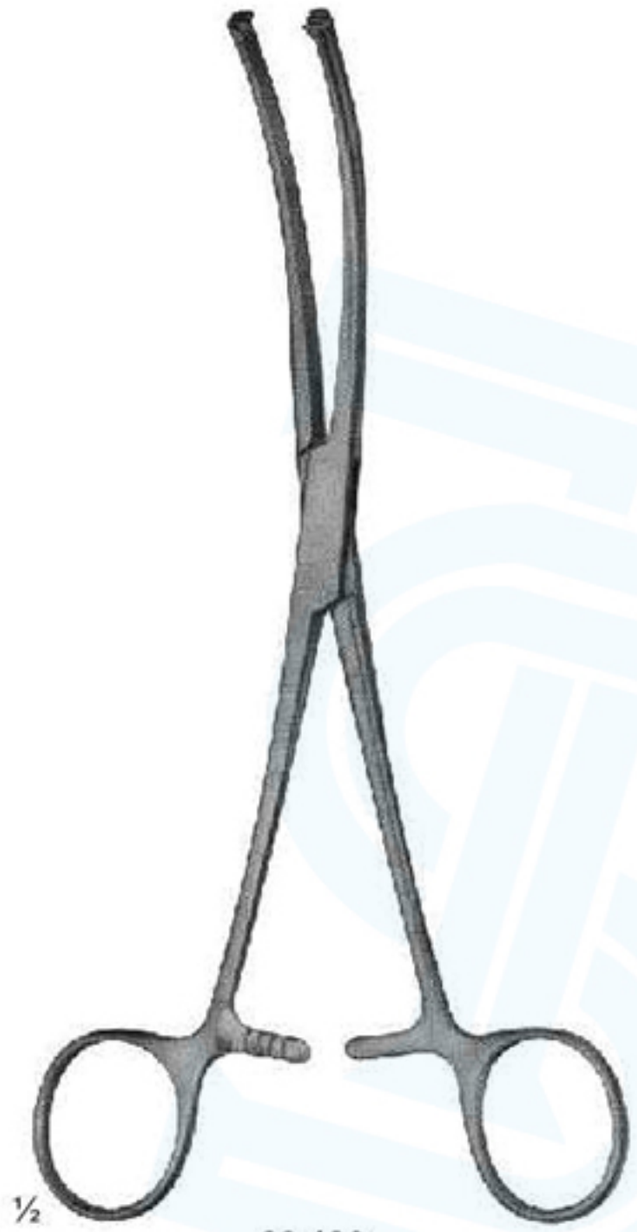

**22-194**
LISTON-KEY-HORSLEY
(TUDOR EDWARDS)
255 mm

THORACIC SURGICAL INSTRUMENTS

# Meniscus-and Cartilage Forceps



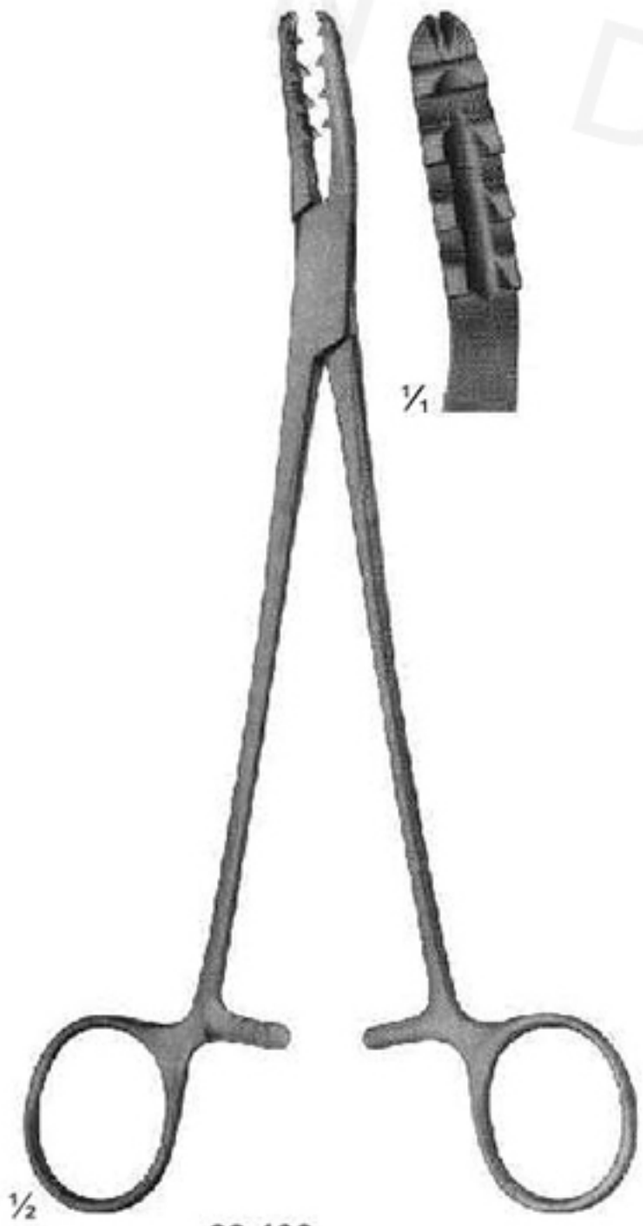

**22-195**
BIRCHER
200 mm



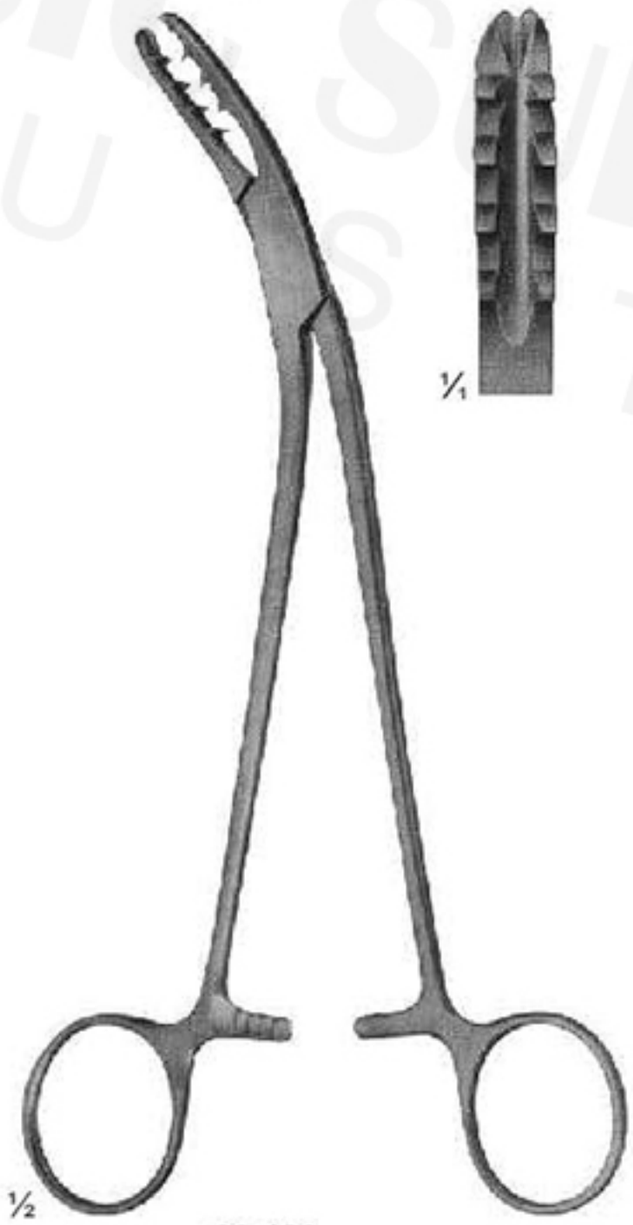

**22-196**
BIRCHER
200 mm




**22-197**
WELLER
200 mm




**22-198**
BIRCHER-GANSKE
200 mm

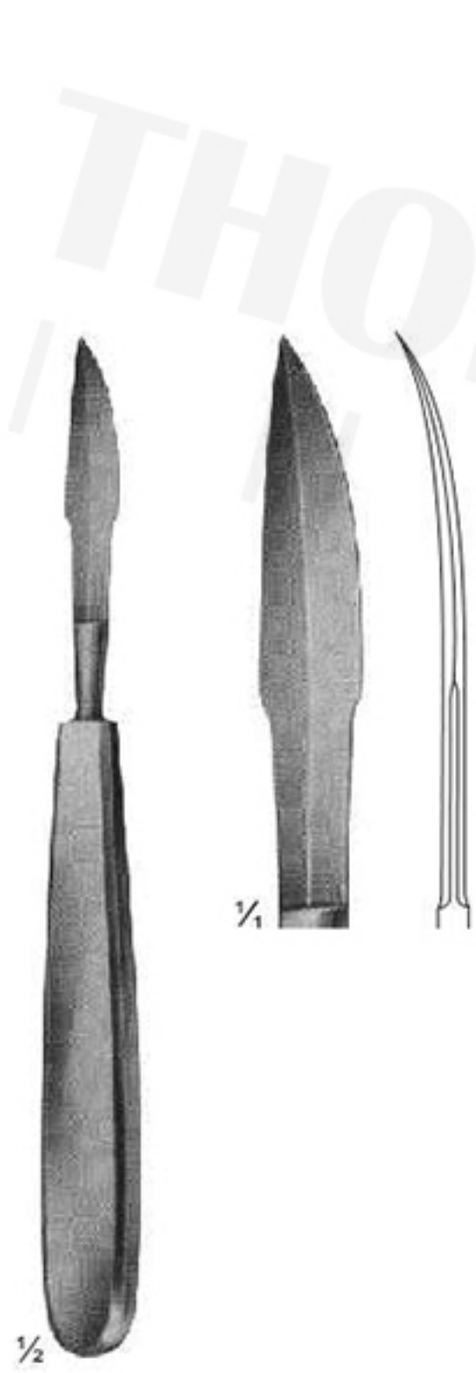



**22-199**
BIRCHER-GANSKE
200 mm

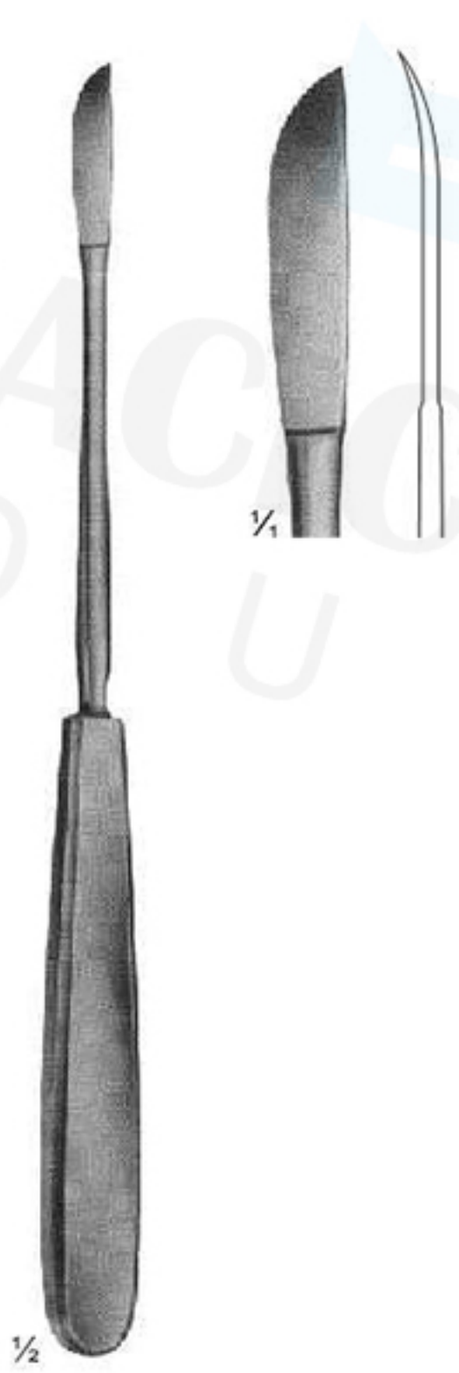



**22-200**
MARTIN
205 mm

# Meniscus Knives




**22-201**
170 mm




**22-202**
NEFF
215 mm



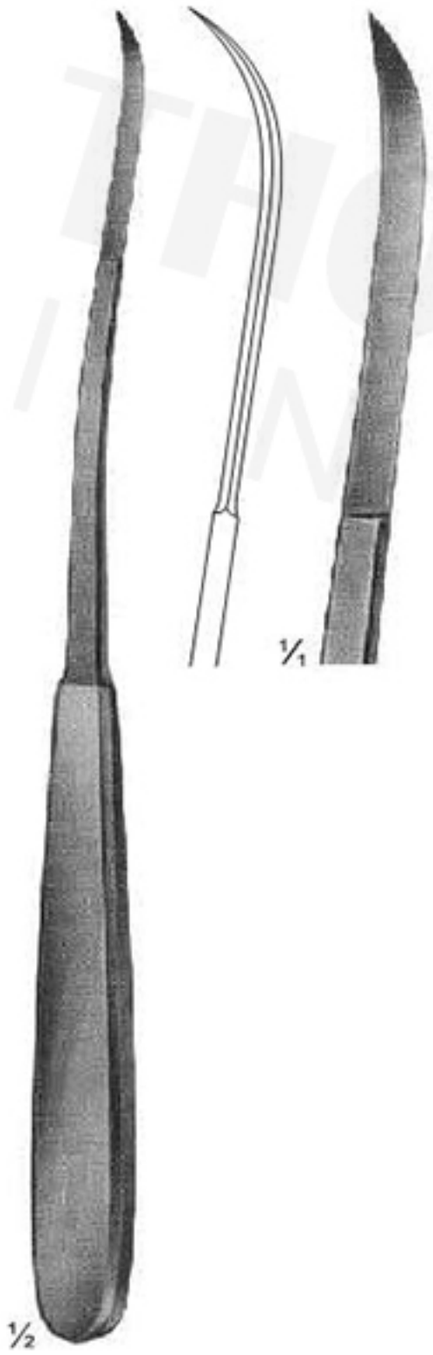

**22-203**
NEFF
215 mm




**22-204**
WAGNER
215 mm

THORACIC SURGICAL INSTRUMENTS

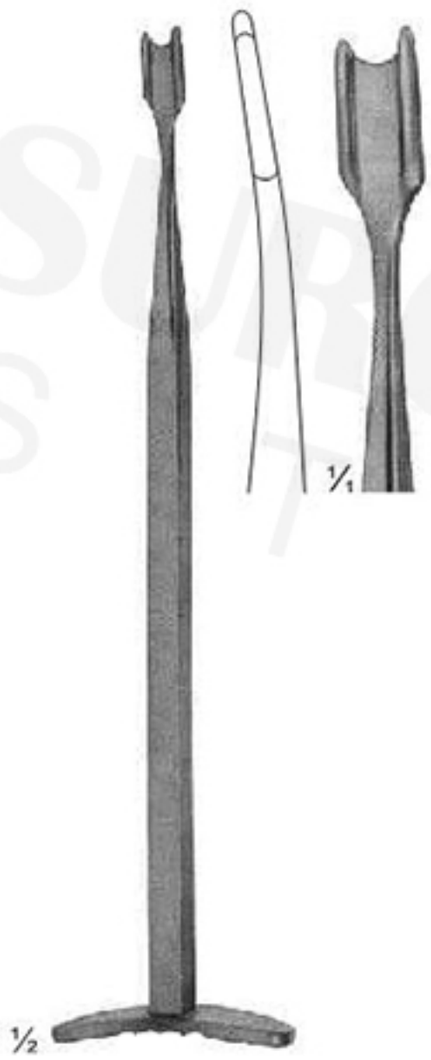
# Meniscus Knives



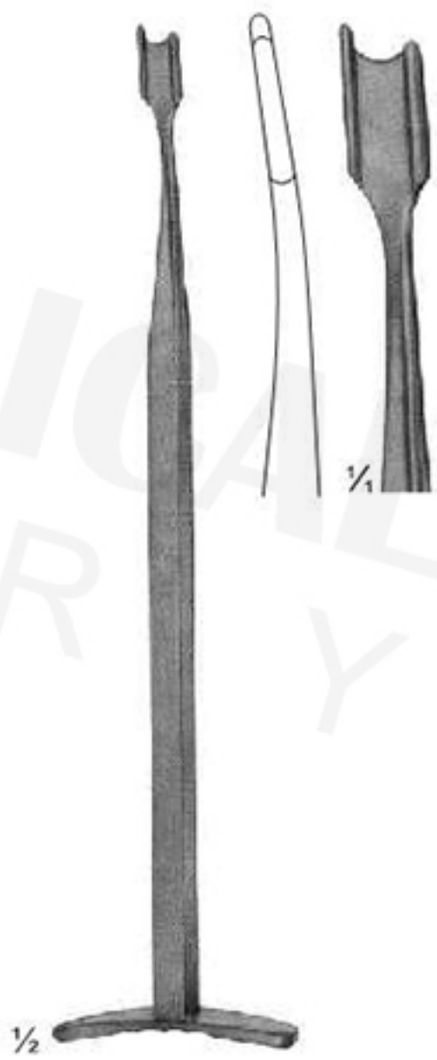

**22-205**
SALENIUS
220 mm




**22-206**
CHNAD.MODELL
200 mm

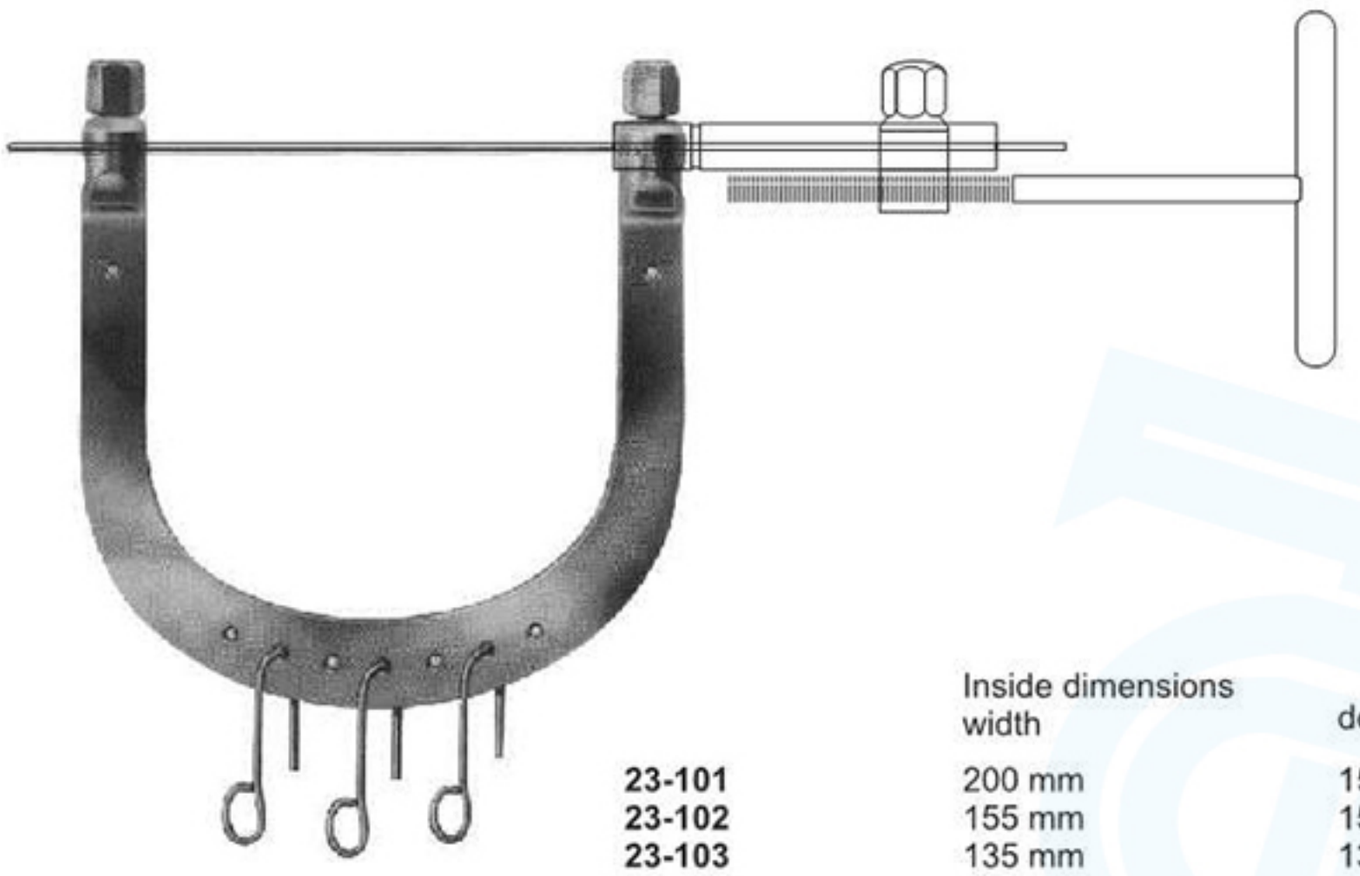



**22-207**
SMILLIE
170 mm




**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

| | 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

⅓



⅓

**23-110**
Traction hook only,
large size



⅓

**23-111**
Traction hook only,
small size

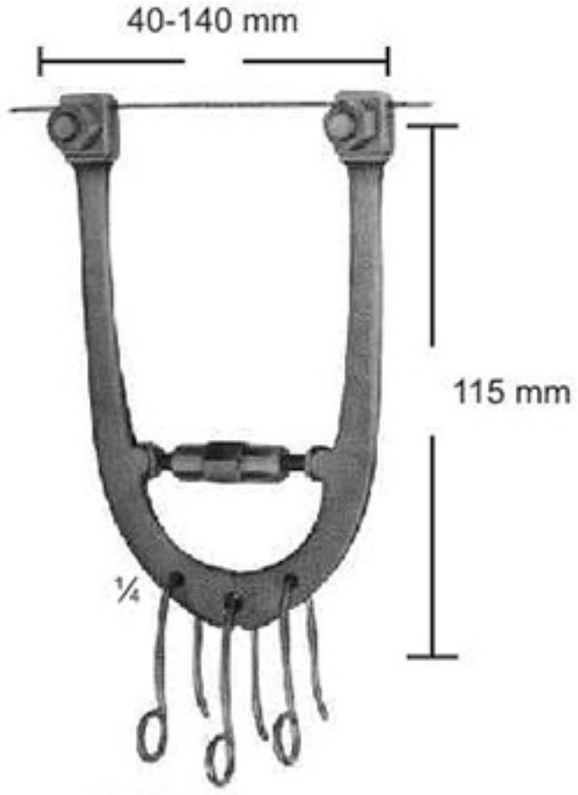


⅓

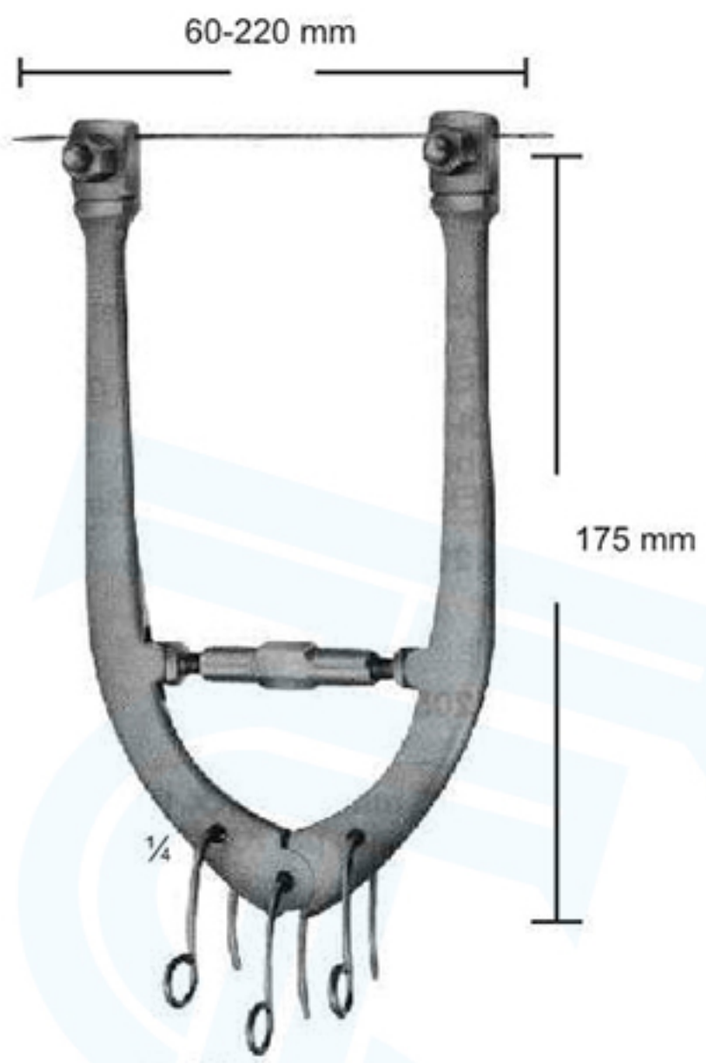
**23-112**
Fixation clamp, to secure clamping
jaws of stainless steel

THORACIC SURGICAL INDUSTRY

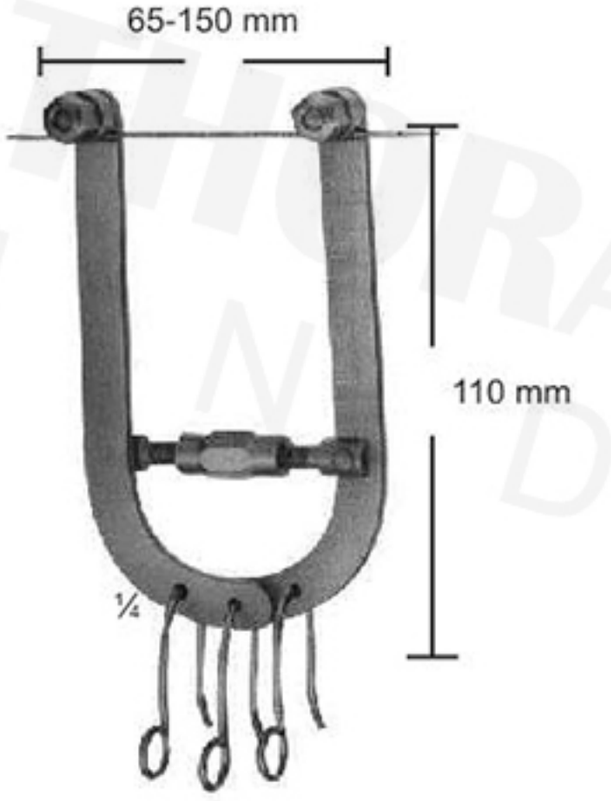
# Wire Extension




**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** | 105 mm |
| **23-117** | 160 mm |
| **23-118** | 200 mm |

| | |
|---|---|
| **23-116** | 1,6 mm |
| **23-117** | 2,0 mm |
| **23-118** | 2,5 mm |

**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**

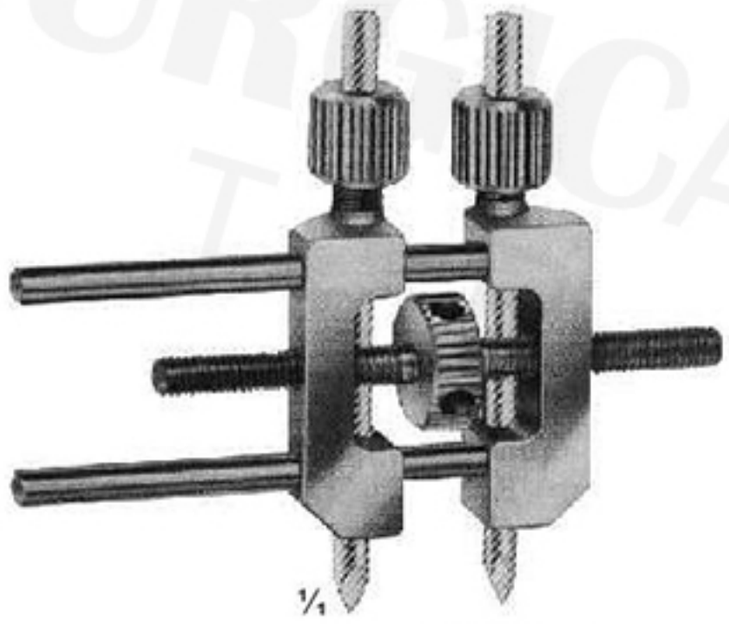


**23-123 - 130**
Screw driver, for above fixations discs

| Steinmann pins, 4 mm daim. | | Steinmann pins, 5 mm daim. | |
|---|---|---|---|
| **23-123** with pin | | 16x9cm | Arm |
| **23-124** without pin | **23-129** without | | |
| **23-125** with pin | | 21x11cm | Arm |
| **23-126** without pin | **23-130** without | | |
| **23-127** with pin | | 21x15cm | Arm |
| **23-128** without pin | | | |




**23-131**
SCHWARZ
Traction bow for fingers,
to be used with KIRSCHNER-wire up to 1.6 mm diam.




10-40 mm

**23-132**
Small distractor
as a repositioning device for
distraction and compresstion of small bones,
for wires with 3.0 mm diam.



**23-133 - 147**
STEINMANN
triangular shaft ended and trocar point

| Length | 4,0 mm | 5,0 mm |
|---|---|---|
| 80 mm | **23-133** | |
| 100 mm | **23-134** | |
| 120 mm | **23-135** | |
| 140 mm | **23-136** | |
| 150 mm | **23-137** | **23-143** |
| 160 mm | **23-138** | |
| 180 mm | **23-139** | **23-144** |
| 200 mm | **23-140** | **23-145** |
| 210 mm | **23-141** | |
| 250 mm | **23-142** | **23-146** |
| 300 mm | | **23-147** |




**23-148**
Protection cap
for 4,0 mm STEINMANN Pins




**23-149**
Protection cap
for 5,0 mm STEINMANN Pins

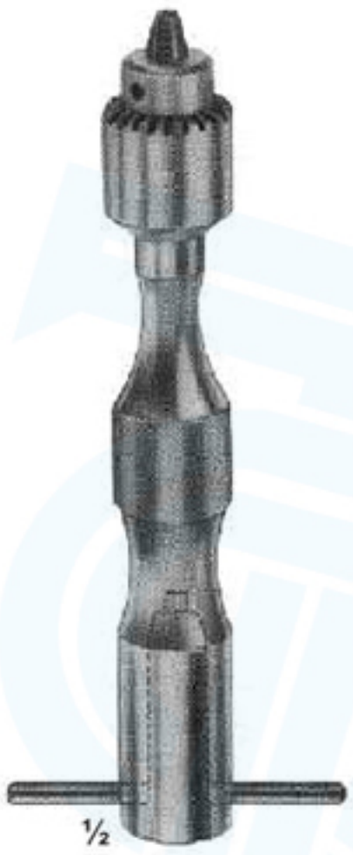
# Drilling Chucks




**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



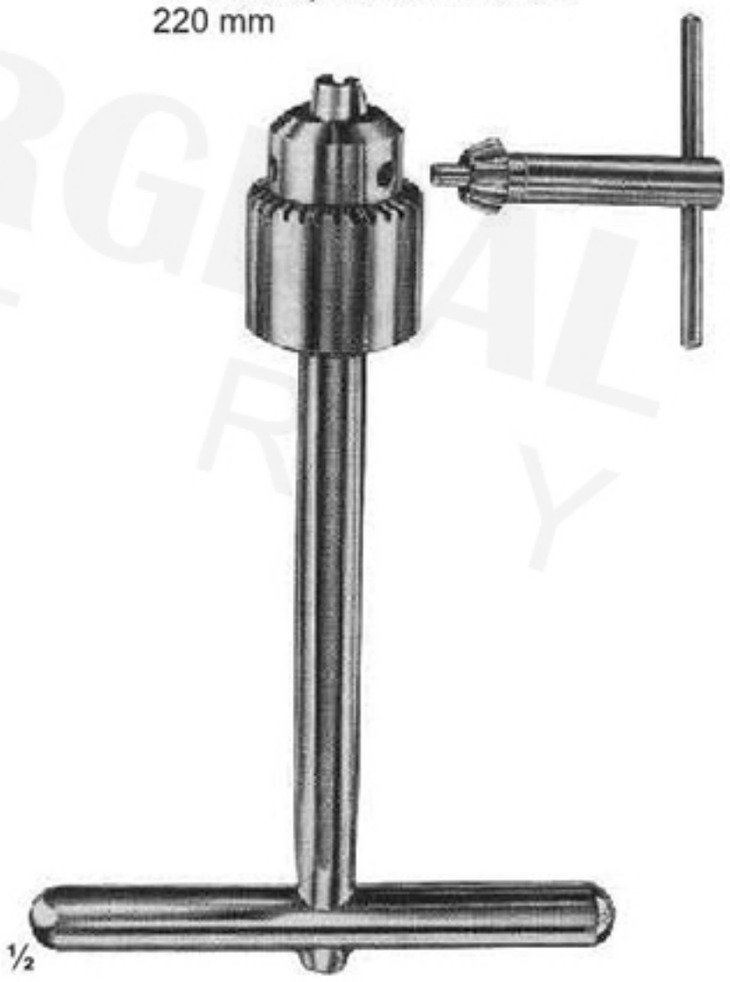

**23-153**
LOUTE
Wire tightener, improved pattern,
with movable tip,
for wires up to 1.0 mm diam.
220 mm



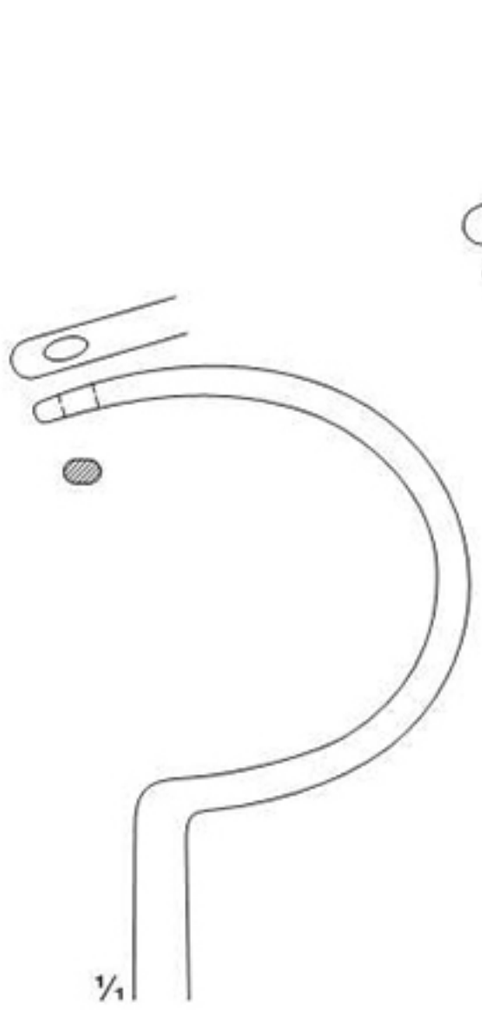

**23-154**
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
To be tightened by hand
100 mm



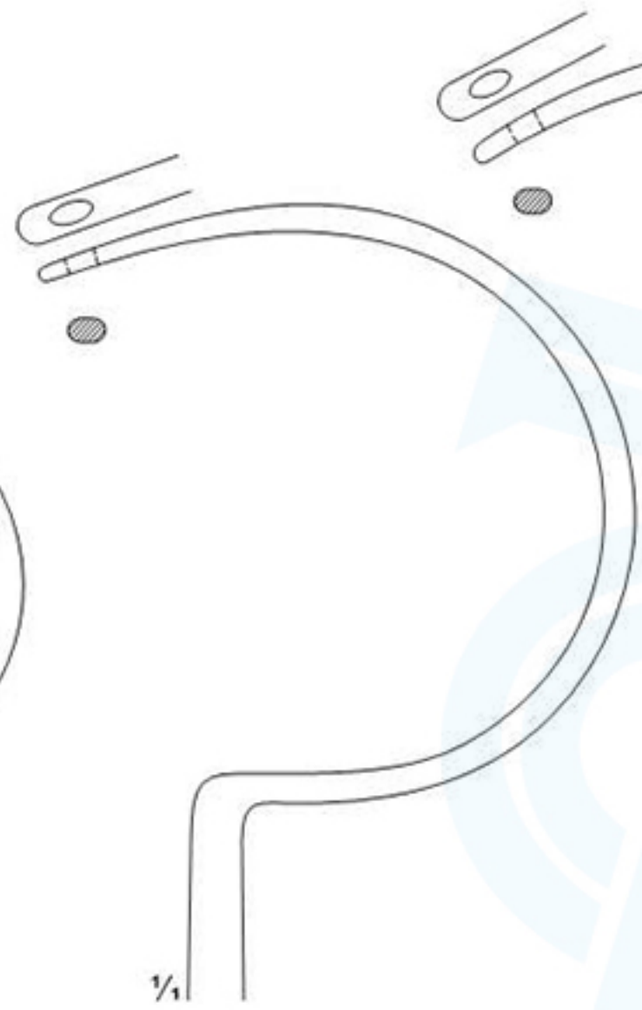

**23-155**
Drilling chuck, cannulated,
for shanks up to 4.5 mm diam.,
And for triangular shaft width
across flats 4.7 mm




**23-156**
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
With key
160 mm




**23-157**
275 mm



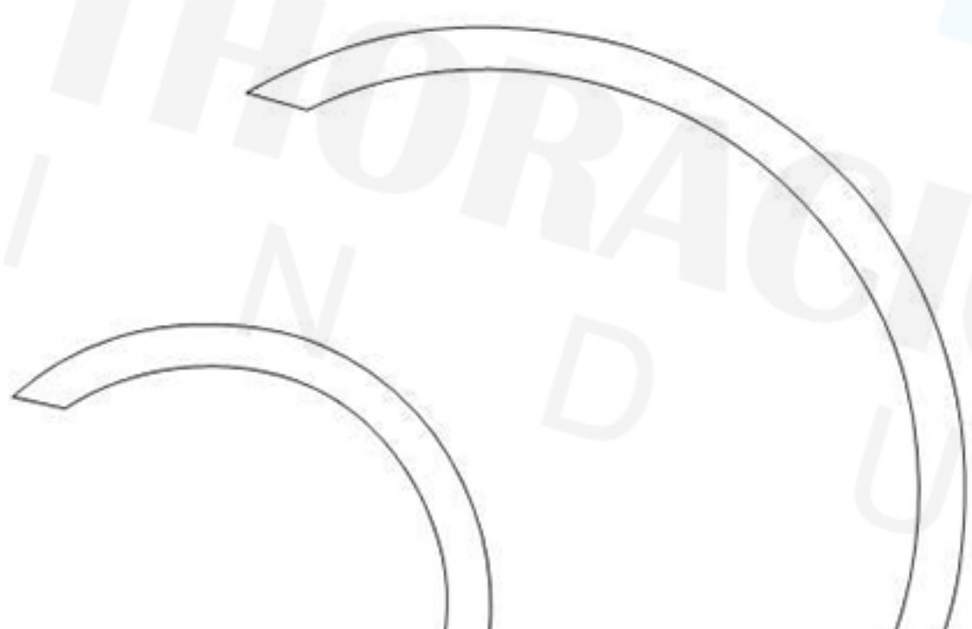

**23-158**
285 mm




**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 tigthener




**23-164**
JORDAN
Wire twister
170 mm



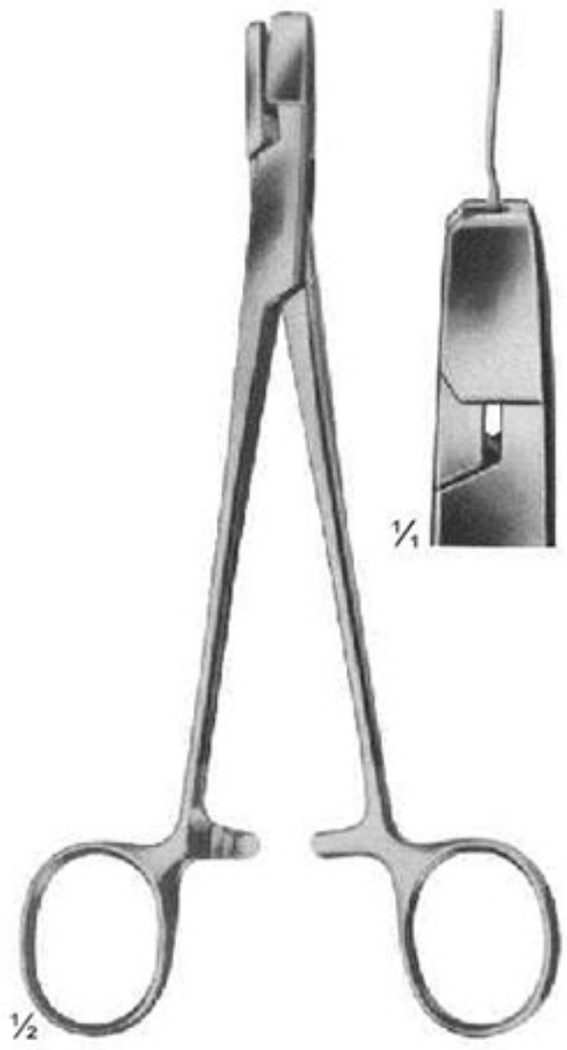

**23-165**
JORDAN
Wire catcher
180 mm




**23-166**
JORDAN
Probe, cannulated
170 mm

THORACIC SURGICAL INDUSTRY

# Wire Holding forceps, Wire Tightening Pliers, Flat-nosed Pliers




**23-167**
DUROGRIP
Holding forceps for cerclage wire, with lateral jaws to avoid wire silpping off
170 mm




**23-168**
DUROGRIP
Wire, tightening pliers,
Ligature pliers
150 mm




**23-169**
DUROGRIP
Wire, tightening pliers,
Ligature pliers
150 mm



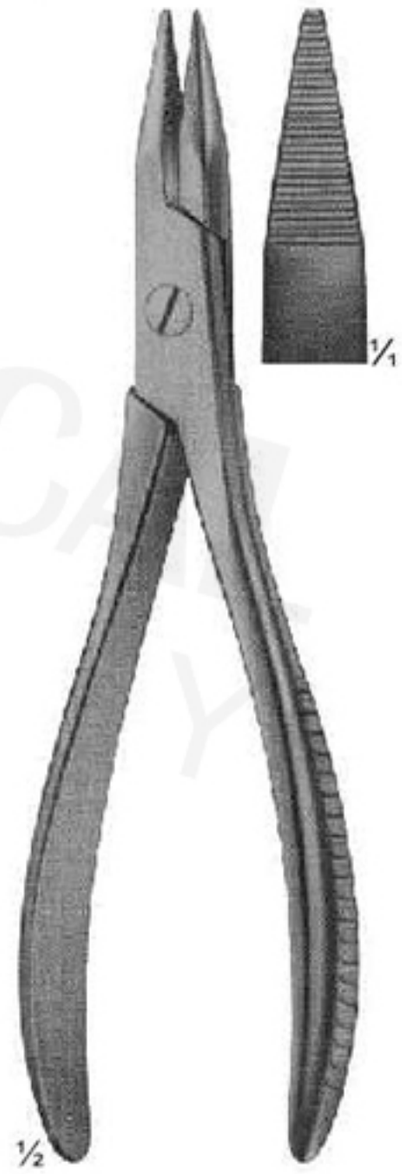

**23-170**
with serrated jaws
140 mm




**23-171**
one jaws smooth,
one jaws serrated
140 mm

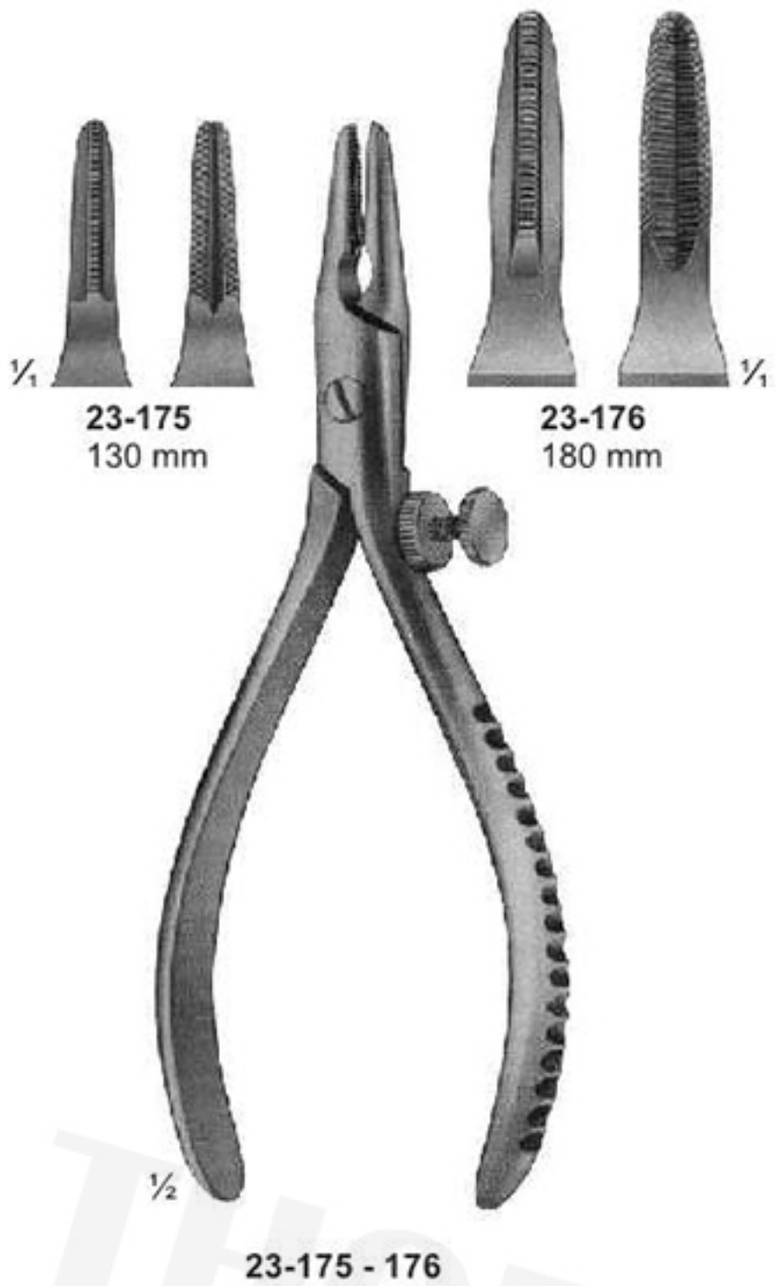



**23-172**
with serrated jaws
**23-173**
with longitudinal and]
transversal grooves
170 mm




**23-174**
190 mm

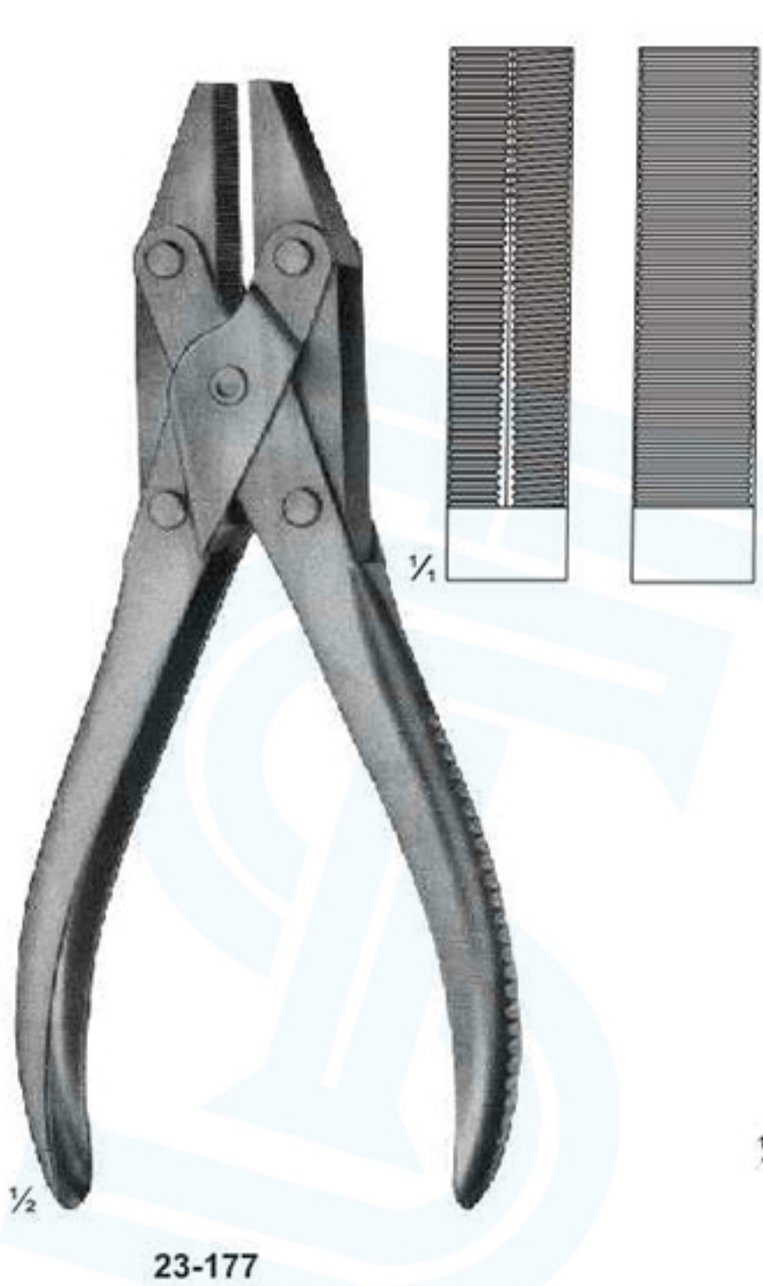
# Wire Holding forceps, Flat-nosed Pliers, Pliers for bending and cutting wires



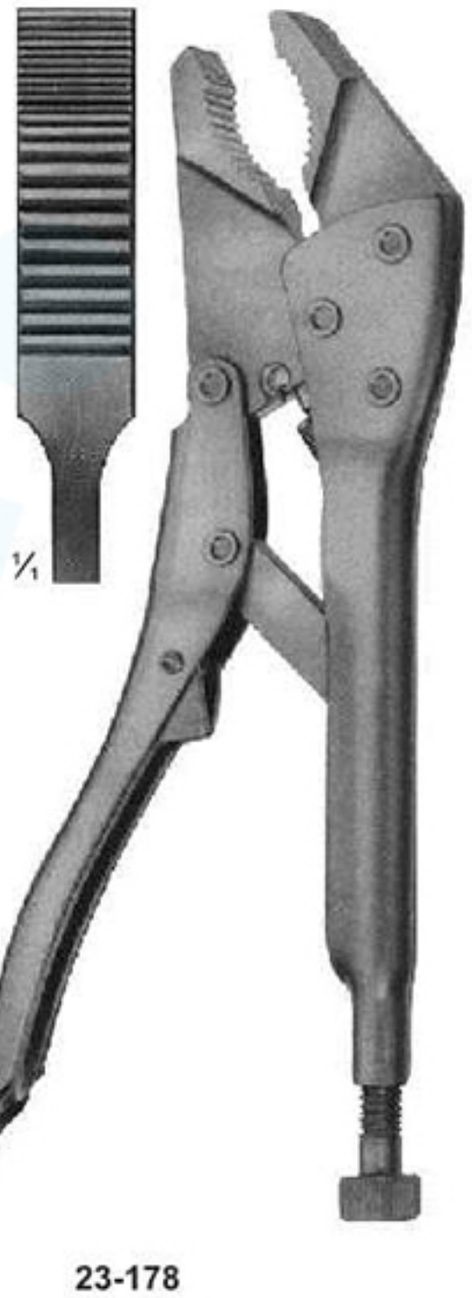

**23-175**
130 mm

**23-176**
180 mm

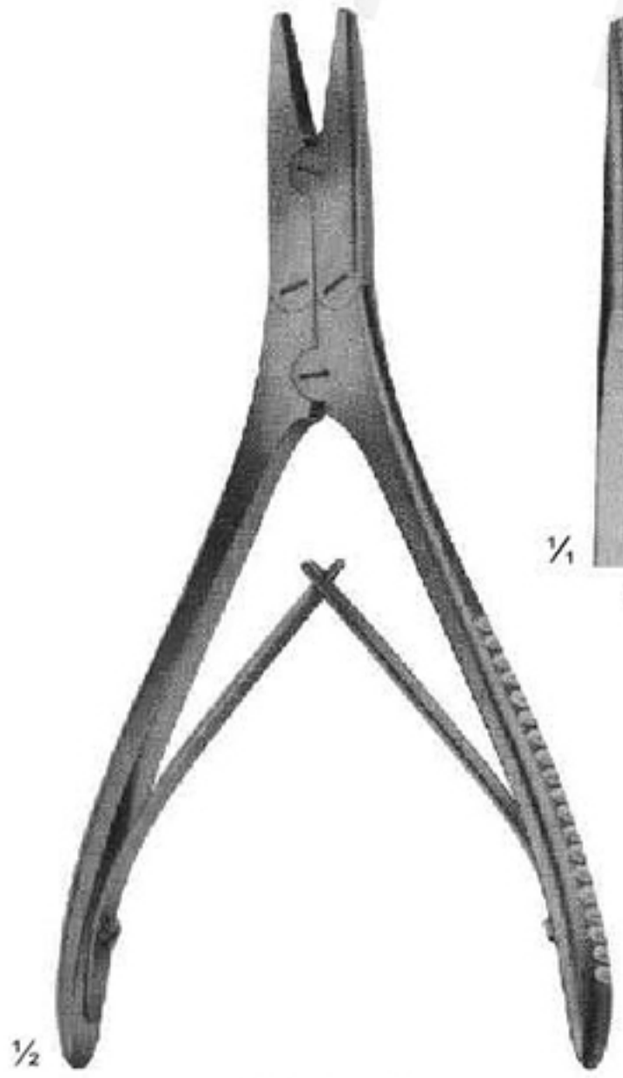
**23-175 - 176**
Extraction pliers
for boring wires

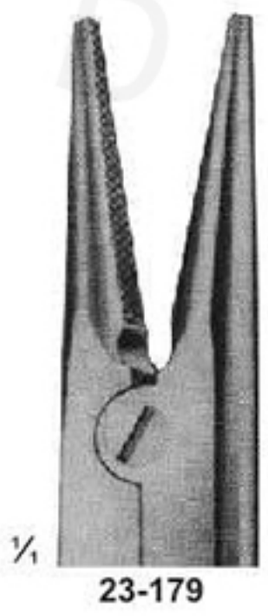



**23-177**
Flat-nosed pliers,
parallel
185 mm

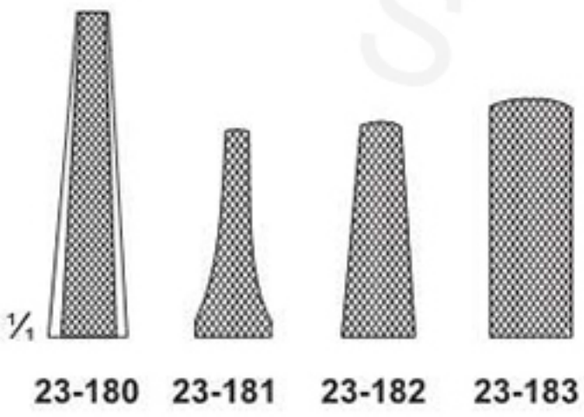



**23-178**
Vise grip
200 mm



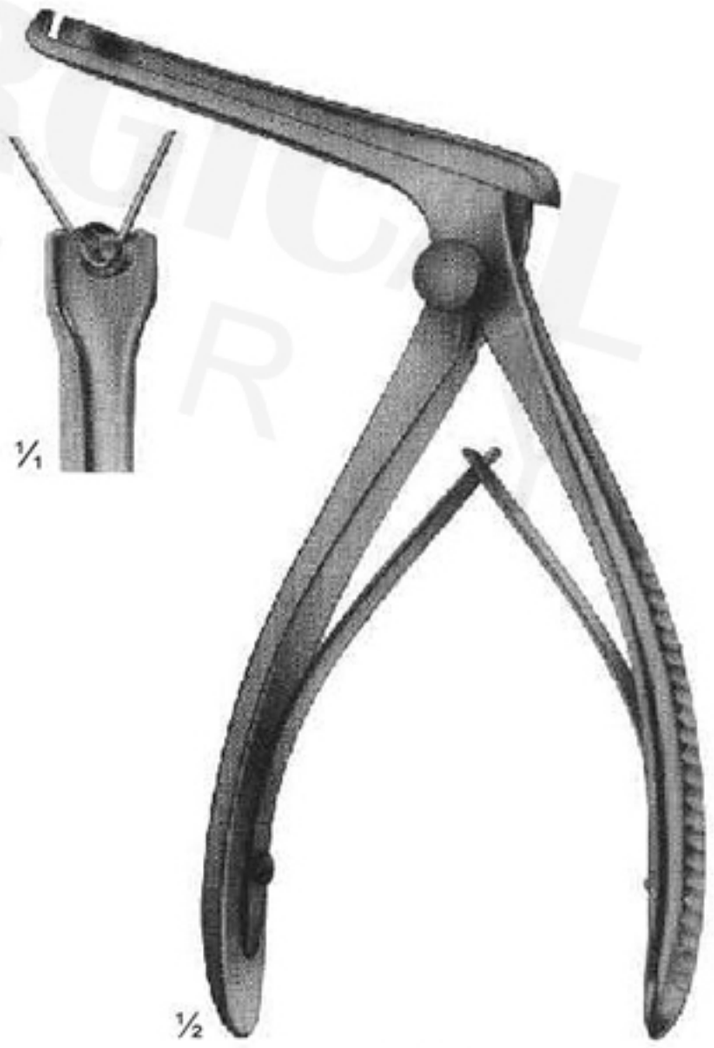

**23-179**




**23-180** **23-181** **23-182** **23-183**

**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.

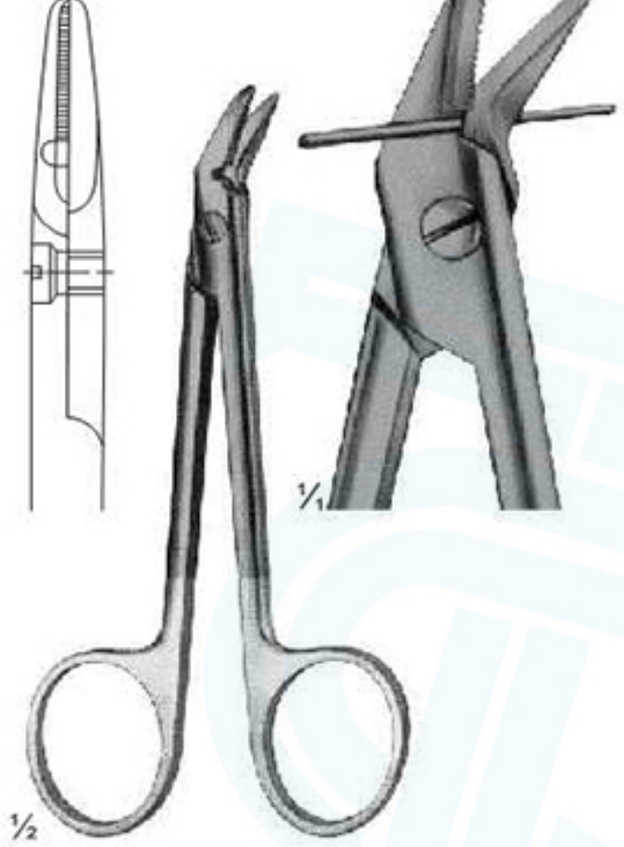
# Wire Cutters and wire Cutting Scissors




**23-185**
ANGLE
130 mm

**23-186**
DUROTIP
ANGLE
130 mm

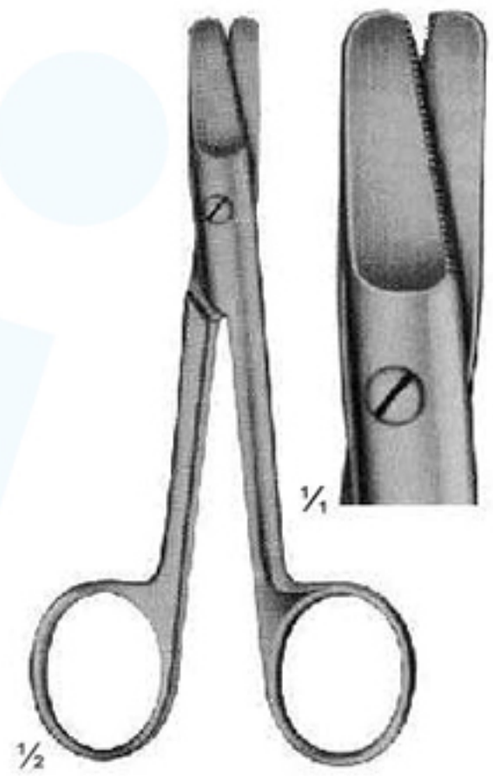
for soft wire
up to diam. 0,5 mm 0,6 mm
for hard wire
up to diam. 0,3 mm 0,4 mm




**23-187**
120 mm

**23-188**
DUROTIP
120 mm

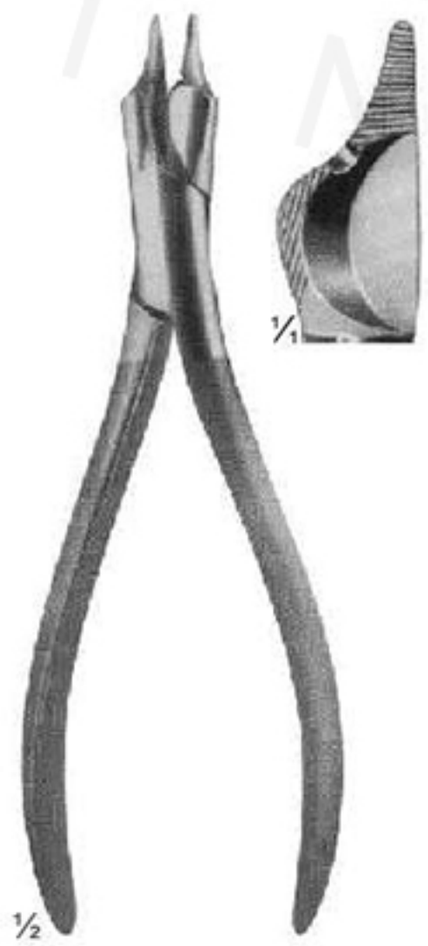
for soft wire
up to diam. 1,2 mm 1,2 mm
for hard wire
up to diam. 0,8 mm 0,8 mm




**23-189**
HARVEY
125 mm

0,4 mm

0,3 mm




**23-190**
150 mm

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




**23-191**
160 mm

1,5 mm

1,2 mm

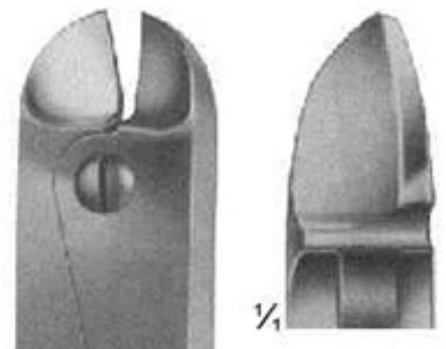



**23-192**
140 mm

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

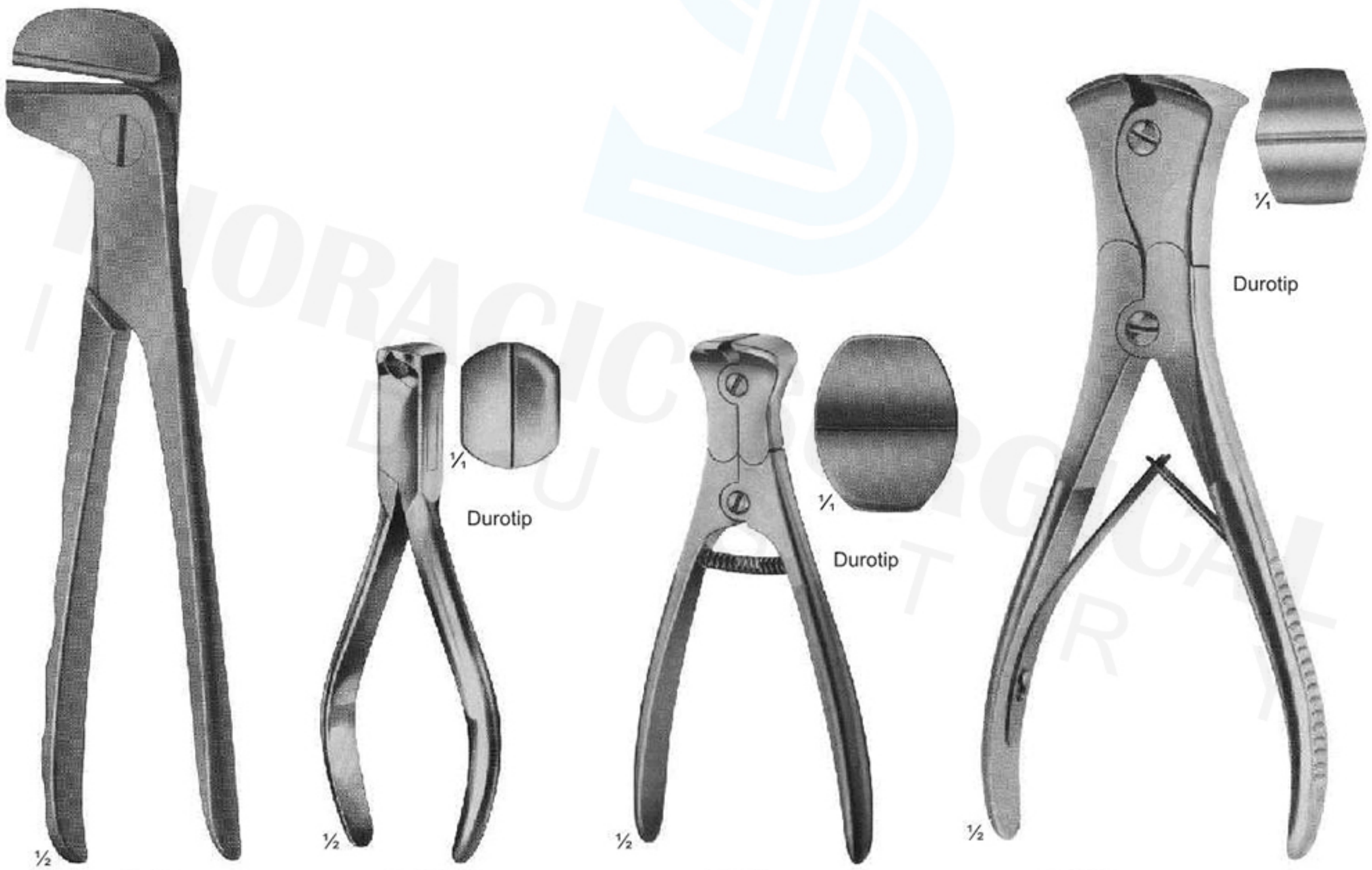
for soft wire
up to diam. 2,0 mm
For hard wire 1,6 mm
up to diam
specially hardened
cutting edges, for
cutting off wires close
to the bone




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

**23-197**
140 mm

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

**23-198**
145 mm

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

**23-199**
220 mm

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

# Wire Cutting Pliers



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

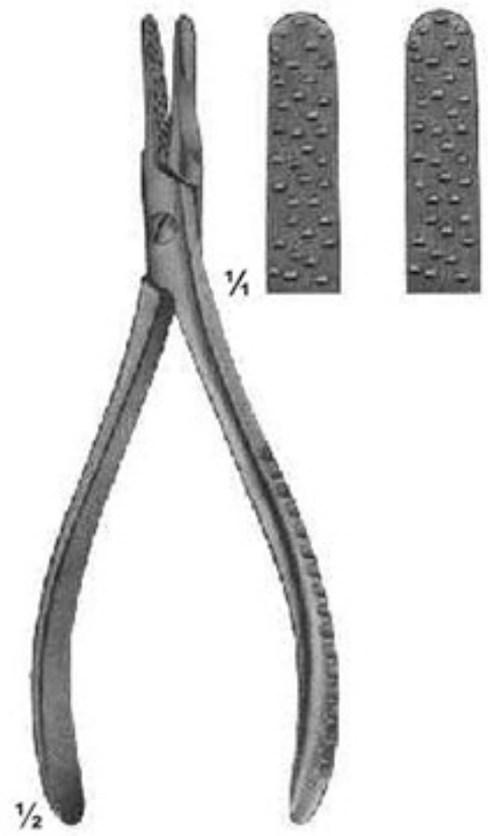
**23-200**
320 mm

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



Durotip

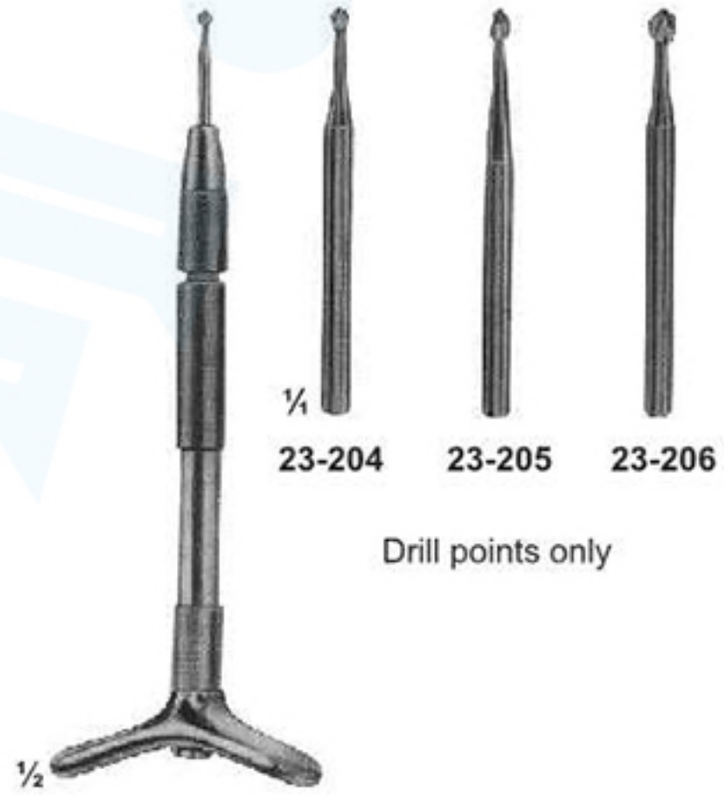
**23-201**
Cutter for cutting off
KIRSCHNER wires,
Tibia head screws,
bolts, pins, up to 6 mm diam.
470 mm




**23-202**
Nail extracting
forceps
135 mm

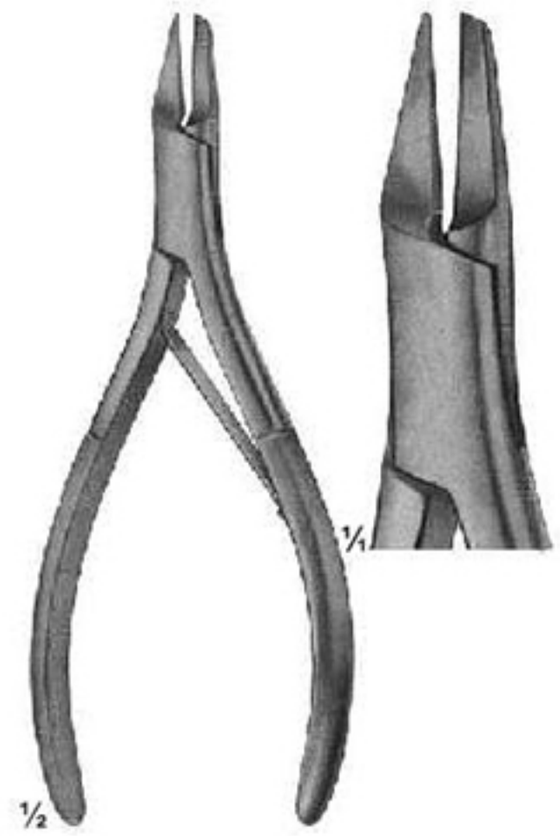



**23-203**
Nail extracting
forceps
145 mm

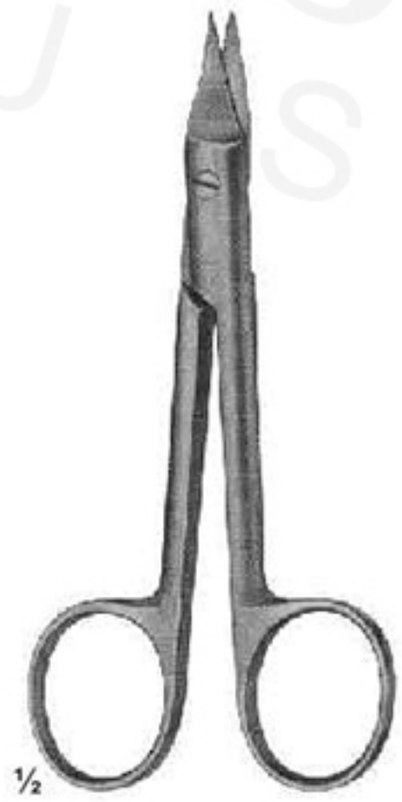



Drill points only

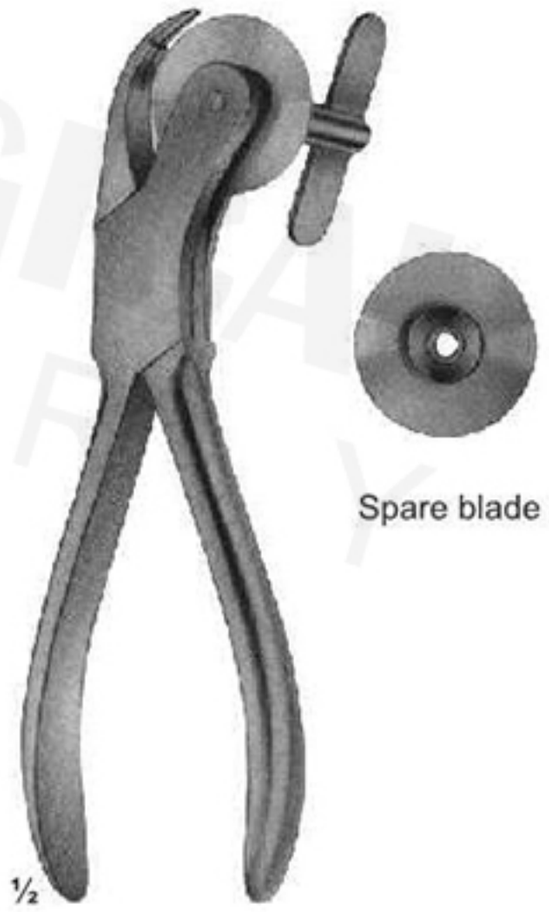
**23-204 - 206**
Finger nail drill
with 3 points




**23-207**
Nail splitting
forceps
135 mm




**23-208**
SYSTRUNK
Scissors, for splitting
finger nails
130 mm




Spare blade

**23-209**
Finger ring saw
150 mm



½

with ebony handle

**24-101**
HOPKINS
200 mm



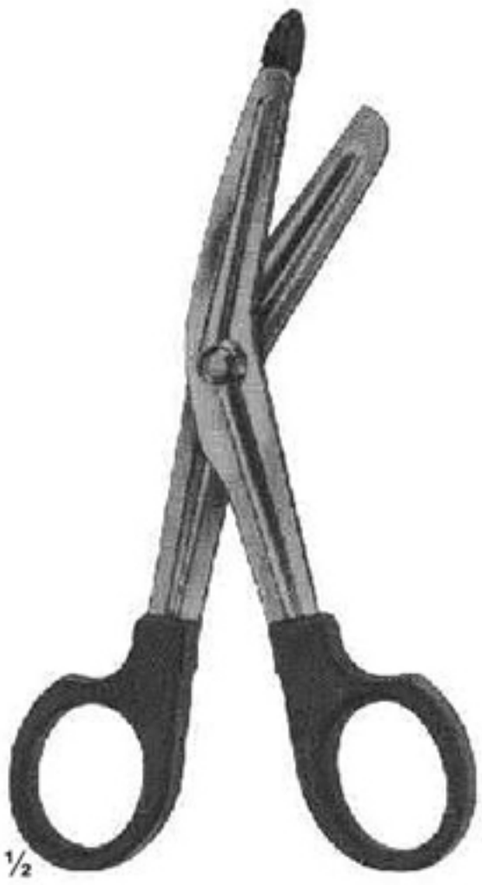
½

**24-102**
ESMARCH
180 mm



½

**24-103**
ENGEL
160 mm



½

**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 |



½

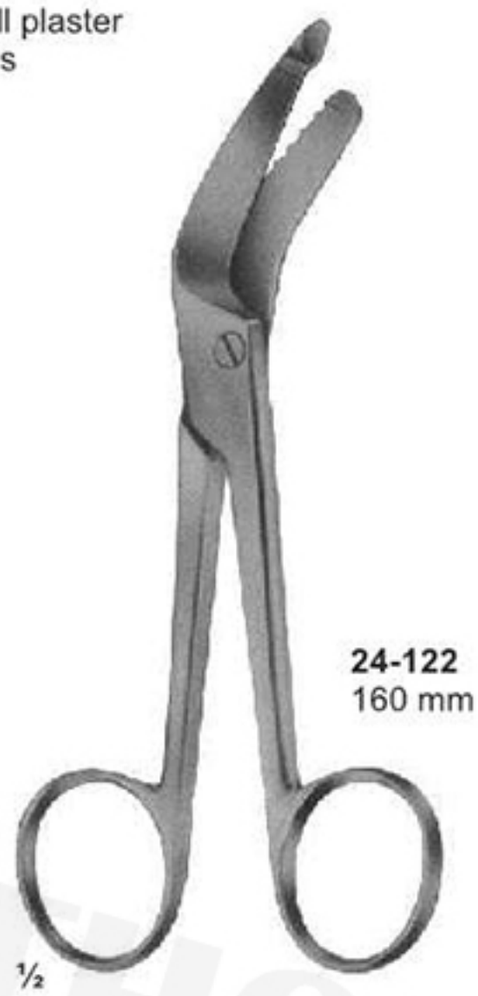
**24-113 - 121**

| | | | |
|---|---|---|---|
| **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 |

THORACIC SURGICAL INDUSTRY

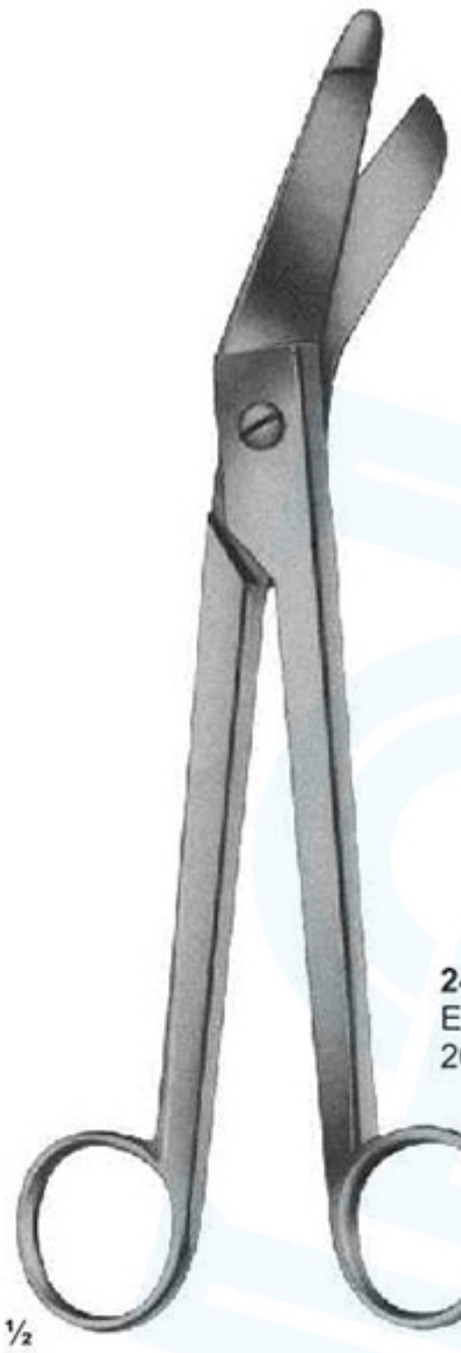
# Plaster Scissors

For small plaster dressings



½

**24-122**
160 mm



½

**24-123 - 124**
ESMARCH
200 mm 230 mm



½

**24-125**
BERGMANN
230 mm



½

**24-126**
BRUNS
235 mm



also to be used as bandage scissors

½

**24-127**
235 mm



also to be used as bandage scissors

½

**24-128**
SEUTIN
230 mm

# Plaster Shears




**24-129**
STILLE-AESCULAP
260 mm




**24-130**
STILLE-AESCULAP
360 mm

THORACIC SURGICAL INSTRUMENTS

# 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

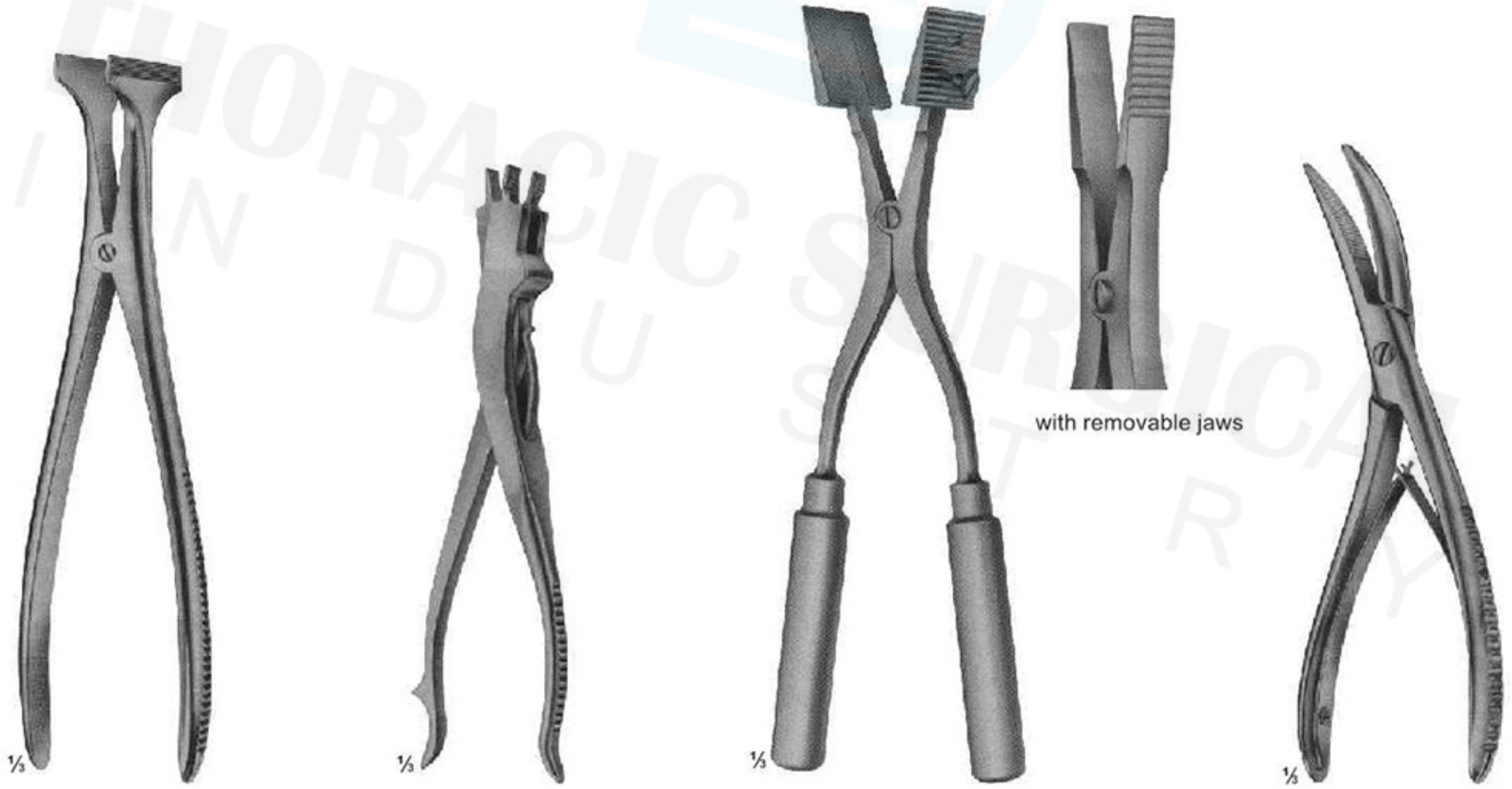



**24-135**
STILLE
24 0 mm

**24-136**
Spare blade

THORACIC SURGICAL INSTRUMENTS

# Plaster Spreader, Plaster Breakers




**24-137**
HENING
270 mm

**24-138**
MOD.USA
230 mm

**24-139**
290 mm

**24-140 - 141**
WOLFF
**24-140** 180 mm
**24-141** 240 mm

# Vacuum Curettes for Aspiration Lipectomy, Suction Instuments






















**25-101 - 106**
BIEMER
**25-101** ø 4 mm
**25-102** ø 6 mm
**25-103** ø 8 mm
**25-104** ø10 mm
**25-105** ø12 mm
**25-106** ø14 mm
Curettes for aspiration lipectomy, graduated, silghtly curved

**25-107 - 108**
BIEMER
**25-107** ø4 mm
**25-108** ø6 mm
Curettes for aspiration lipectomy, with three apertures, slighty curved malleable

**25-109 - 111**
BIEMER
**25-109** ø 8 mm
**25-110** ø10 mm
**25-111** ø12 mm
Curettes for aspiration lipectomy, with three apertures, slighty 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

THORACIC SURGICAL INSTRUMENTS

# Suction Instruments




**25-115**
Trocar
For puncturing
170 mm

**25-116**
Hollow needle,
sharp
150 mm

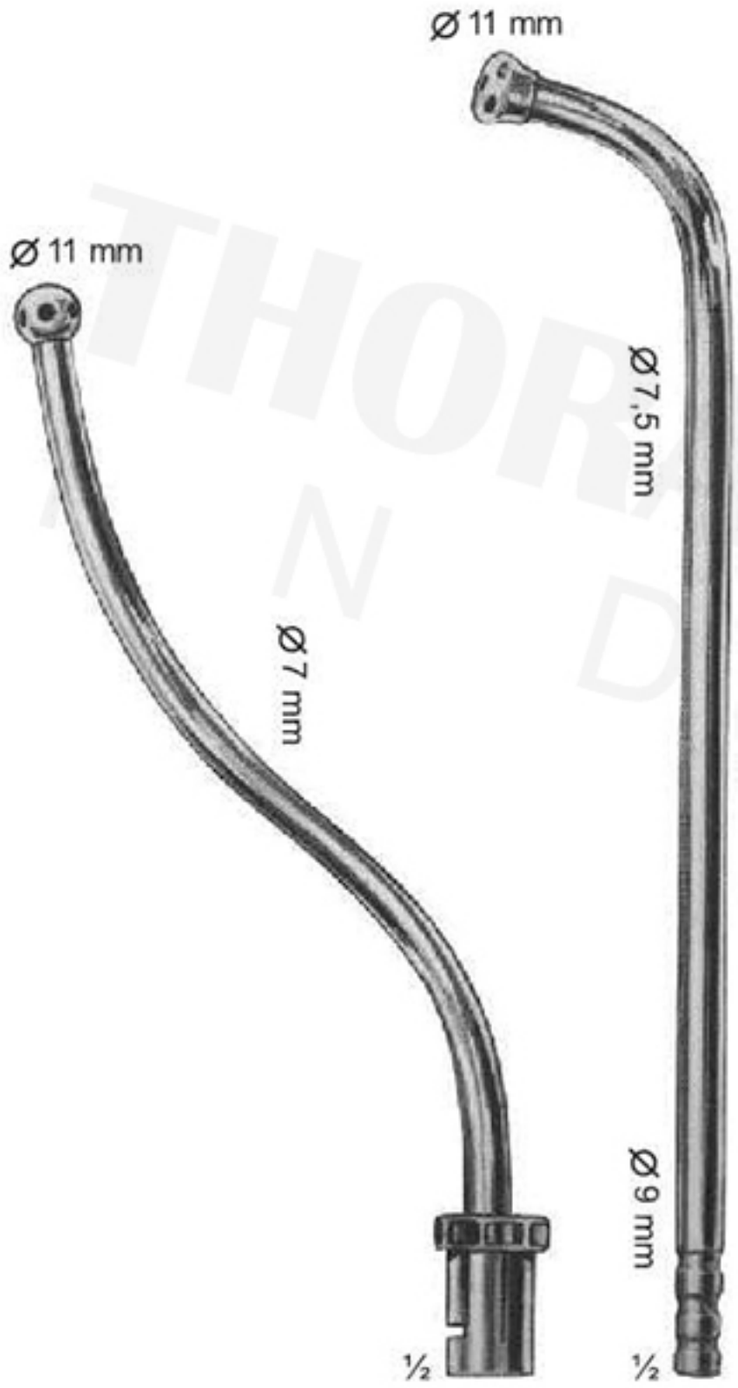
**25-117**
double curved
For general
surgery
230 mm

**25-118**
For tonsillectomy,
oral and laryngeal
operations
190 mm

**25-119**
For tonsillectomy,
oral and laryngeal
operations
220 mm

THORACIC SURGICAL INSTRUMENTS

# 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




**22-125**
YANKAUER
with especially large central bore, 4,8 mm diam.
285 mm

**22-126**
YANKAUER
with central bore, 2,0 mm diam.
285 mm

**22-127**
DE-BAKEY
with central bore, 3,0 mm diam.with lateral slots
275 mm

**22-128**
DE-BAKEY
with finger cut-off and stylet
270 mm

**22-129**
DE-BAKEY
with finger cut-off and stylet
160 mm

**22-130**
with finger cut-off
190 mm

# Suction Instruments




**25-131** Ø1,5 mm
**25-132** Ø2,0 mm
**25-133** Ø2,5 mm
**25-134** Ø3,0 mm

**25-131 - 134**
PLESTER
with finger cut-off and stylet, thumb piece parallel to curved, with LUER hub
195 mm




**25-135** Ø2,0 mm
**25-136** Ø2,5 mm
**25-137** Ø3,0 mm
**25-138** Ø4,0 mm
**25-139** Ø5,0 mm

**25-135 - 139**
FERGUSSON
with finger cut-off and stylet, thumb piece 90° to curved, with LUER hub
180 mm




**25-140** Ø4,0 mm
FERGUSSON
insulated, with finger cut-off and stylet, thumb piece 90 ° to curved,with LUER hub
180 mm




**25-141** Ø3,0 mm
**25-142** Ø5,0 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** ø4,5 mm
**25-145** ø5,5 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 styelt
200 mm




**25-149**
LOPEZ-REINKE
Tonsil dissector with suction device
235 mm

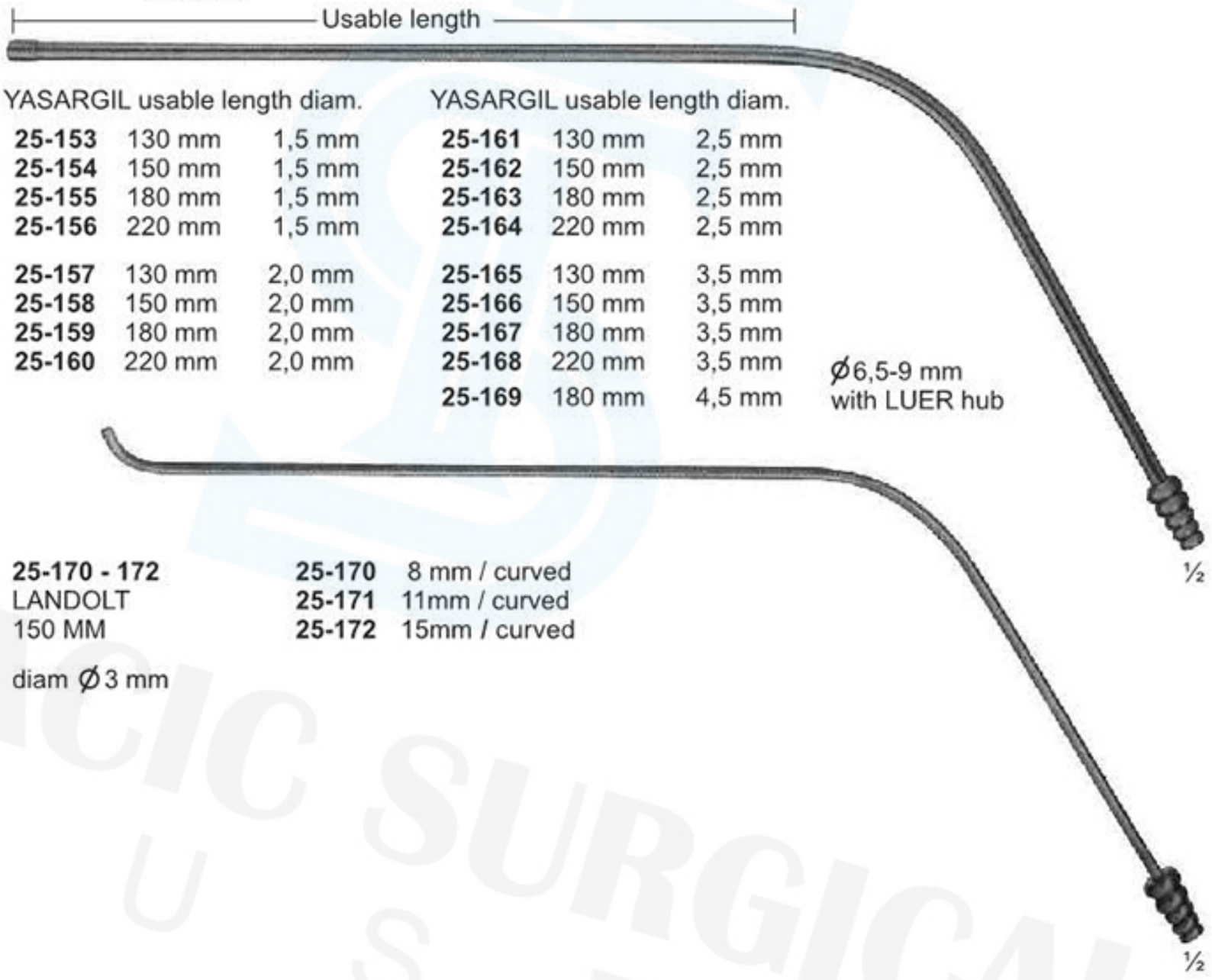
THORACIC SURGICAL INSTRUMENTS




**25-150**
WULLSTEIN
Suction tube, conical,silver,oliver
with LUER hub
160 mm




**25-151** 1,5 mm
**25-152** 2,0 mm
WULLSTEIN
Suction tube, cylindrical,silver,with
stylet with LUER hub
160 mm

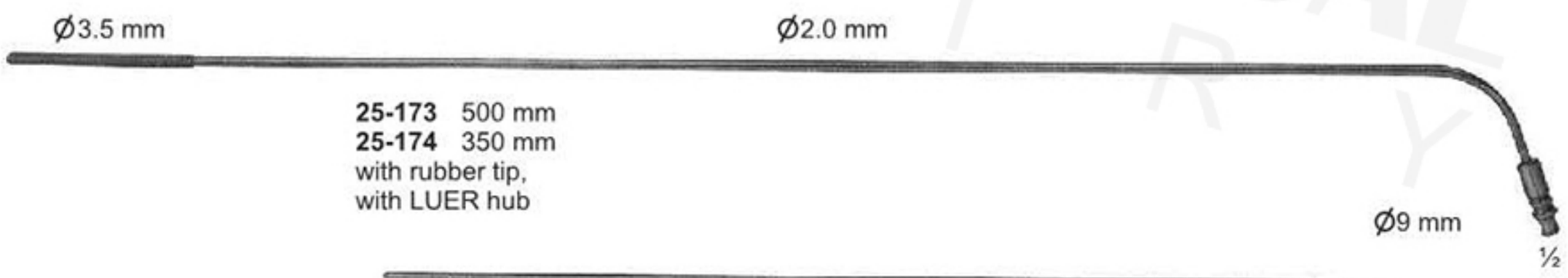



| YASARGIL | usable length | diam. | YASARGIL | usable length | diam. |
|---|---|---|---|---|---|
| **25-153** | 130 mm | 1,5 mm | **25-161** | 130 mm | 2,5 mm |
| **25-154** | 150 mm | 1,5 mm | **25-162** | 150 mm | 2,5 mm |
| **25-155** | 180 mm | 1,5 mm | **25-163** | 180 mm | 2,5 mm |
| **25-156** | 220 mm | 1,5 mm | **25-164** | 220 mm | 2,5 mm |
| **25-157** | 130 mm | 2,0 mm | **25-165** | 130 mm | 3,5 mm |
| **25-158** | 150 mm | 2,0 mm | **25-166** | 150 mm | 3,5 mm |
| **25-159** | 180 mm | 2,0 mm | **25-167** | 180 mm | 3,5 mm |
| **25-160** | 220 mm | 2,0 mm | **25-168** | 220 mm | 3,5 mm |
| | | | **25-169** | 180 mm | 4,5 mm |

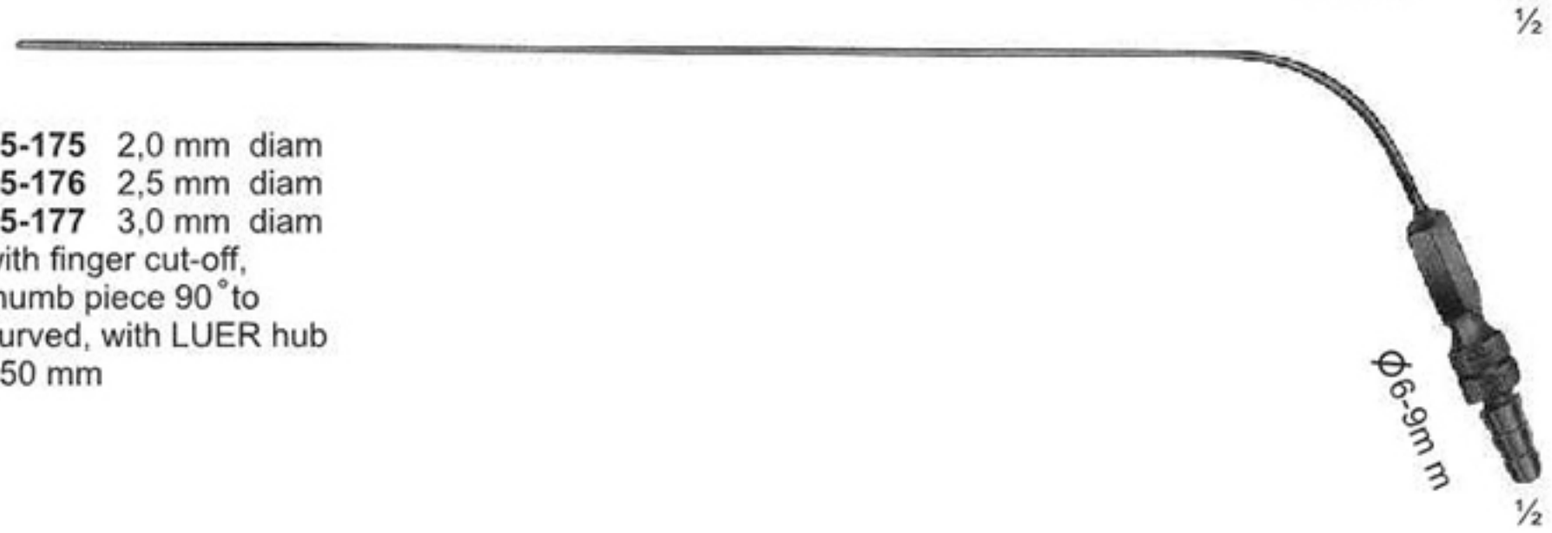
**25-170 - 172**
LANDOLT
150 MM

diam Ø 3 mm

**25-170** 8 mm / curved
**25-171** 11mm / curved
**25-172** 15mm / curved

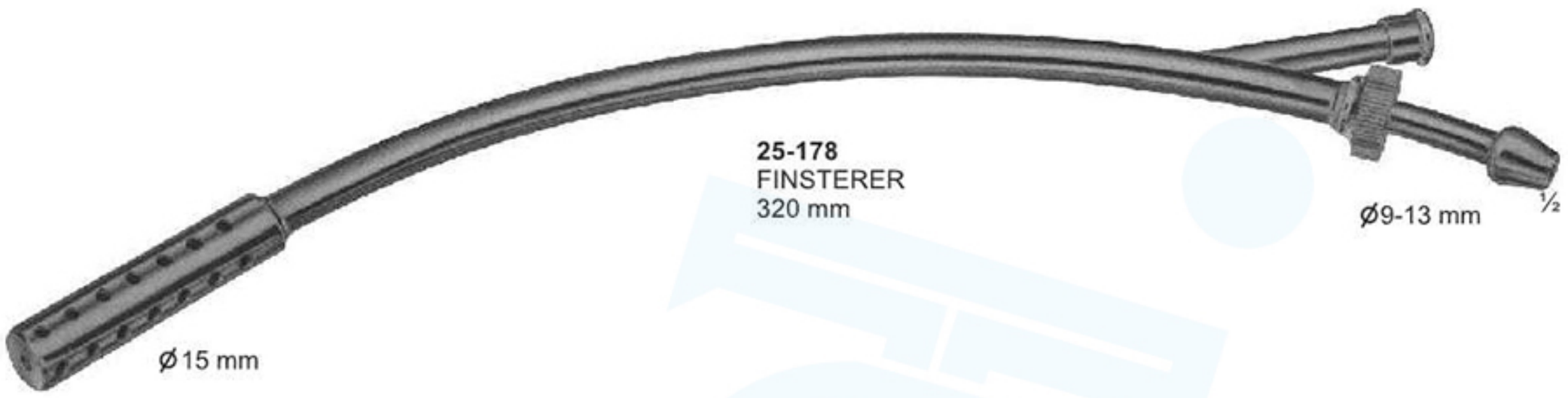



**25-173** 500 mm
**25-174** 350 mm
with rubber tip,
with LUER hub



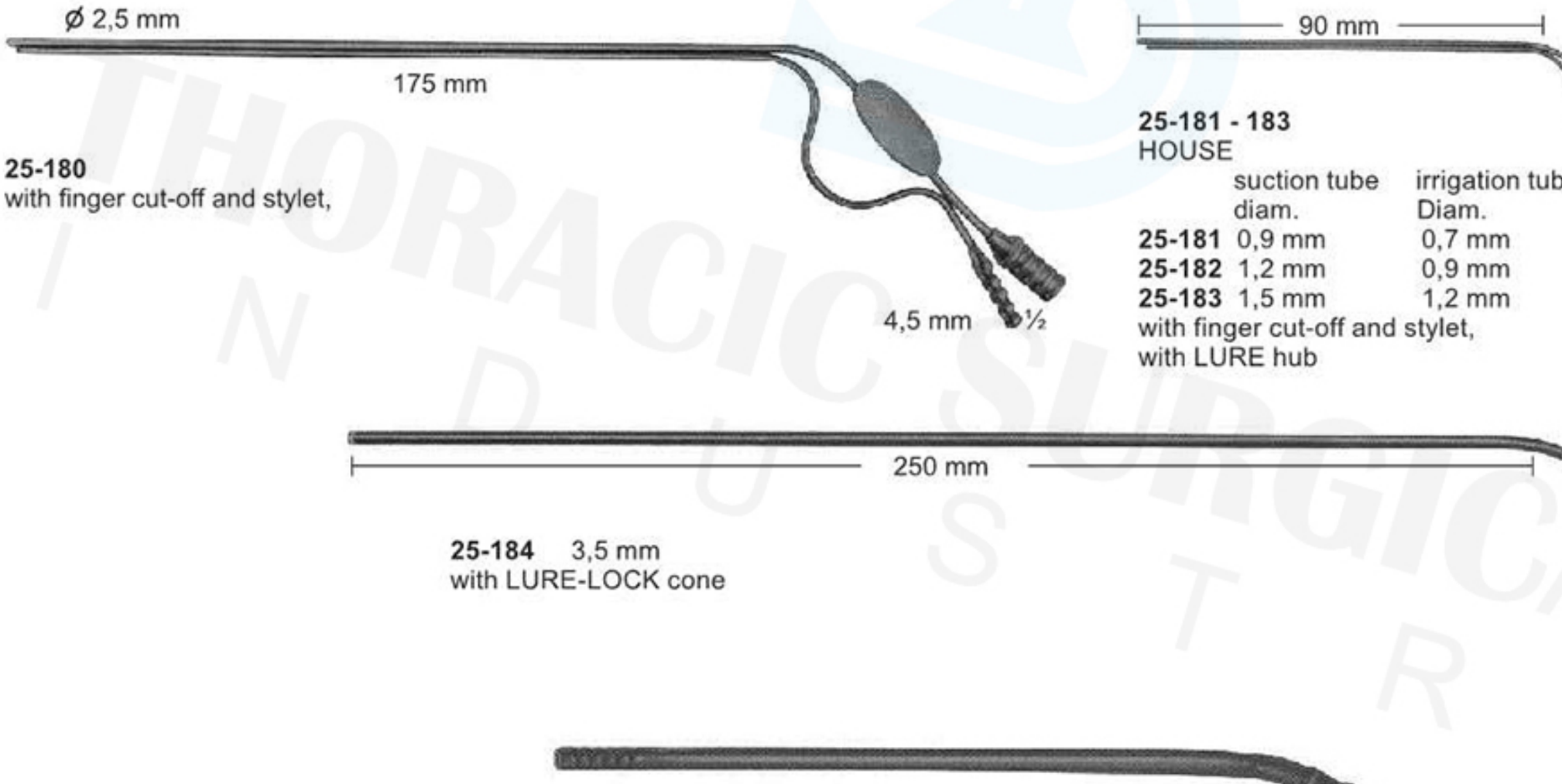

**25-175** 2,0 mm diam
**25-176** 2,5 mm diam
**25-177** 3,0 mm diam
with finger cut-off,
thumb piece 90° to
curved, with LUER hub
250 mm

# Combined Suction and Irrigation Cannulae




**25-178**
FINSTERER
320 mm

**25-179**
YASARGIL
LURE-LOCK cone
200 mm



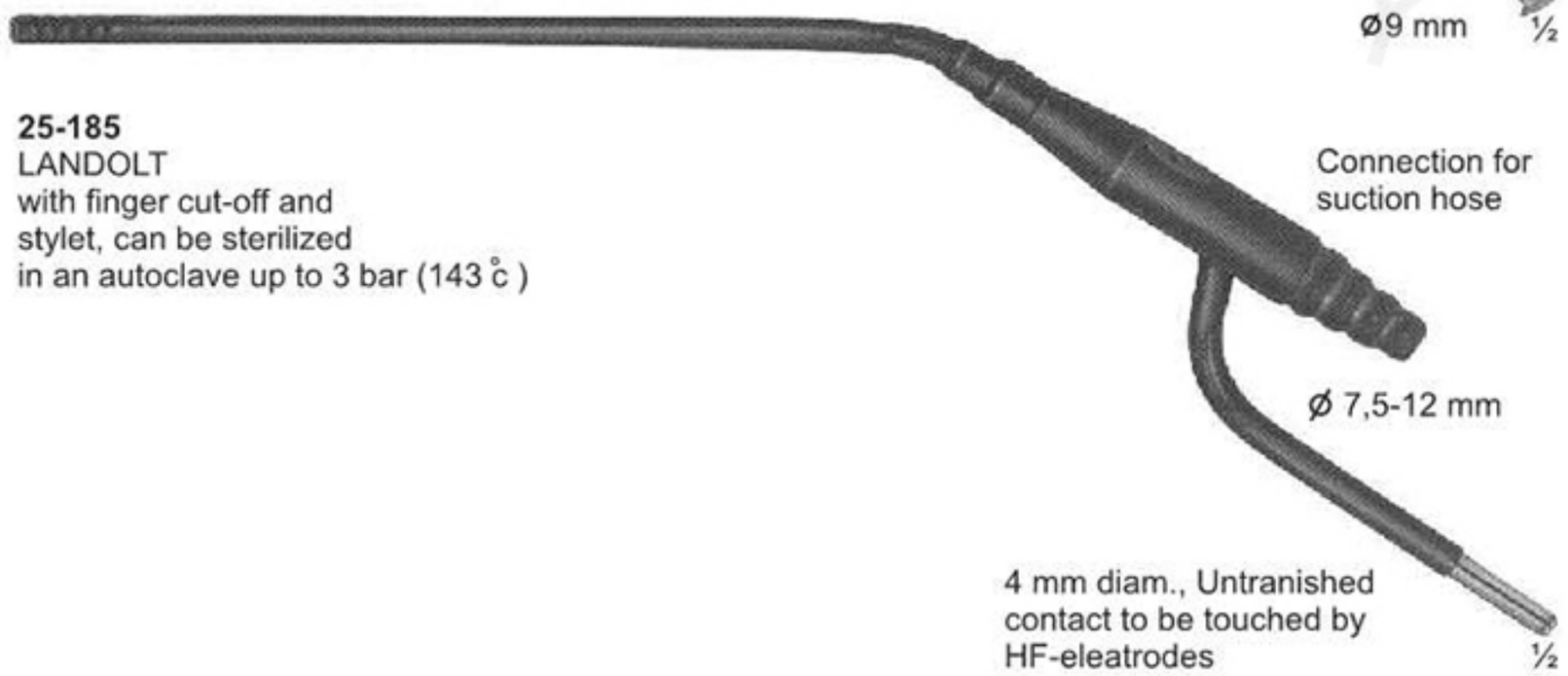

**25-180**
with finger cut-off and stylet,

**25-181 - 183**
HOUSE

| | suction tube diam. | irrigation tube Diam. |
|---|---|---|
| **25-181** | 0,9 mm | 0,7 mm |
| **25-182** | 1,2 mm | 0,9 mm |
| **25-183** | 1,5 mm | 1,2 mm |

with finger cut-off and stylet,
with LURE hub

**25-184** 3,5 mm
with LURE-LOCK cone




**25-185**
LANDOLT
with finger cut-off and stylet, can be sterilized in an autoclave up to 3 bar (143 °c )

# 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

THORACIC SURGICAL INSTRUMENTS

# Scissors with Tungsten Carbide Inserts







THORACIC SURGICAL INSTRUMENTS

# Scissors with Tungsten Carbide Inserts




**26-113**
Metzenbaum




**26-114**
Metzenbaum




**26-115**
Metzenbaum




**26-116**
Metzenbaum-Fino



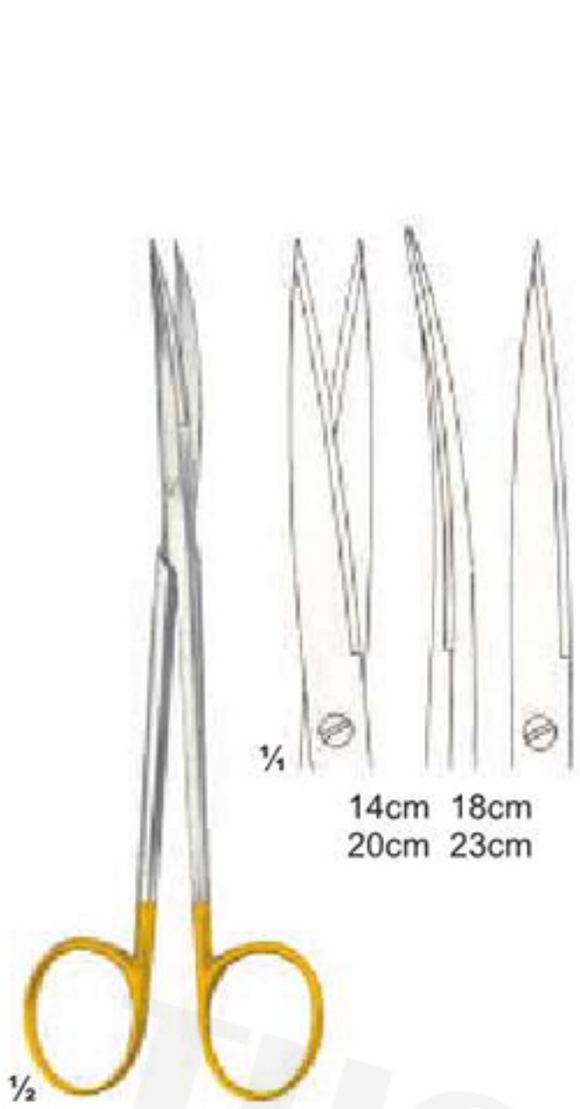

**26-117**
Metzenbaum-Fino




**26-118**
Metzenbaum-Fino

THORACIC SURGICAL INDUSTRIES

# Scissors with Tungsten Carbide Inserts




**26-119**
Metzenbaum-Fino




**26-120**
Metzenbaum-Fino




**26-121**
Metzenbaum-Fino




**26-122**
Metzenbaum




**26-123**
Mayo




**26-124**
Mayo

THORACIC SURGICAL INSTRUMENTS

# Scissors with Tungsten Carbide Inserts




**26-125**
Parametrium

**26-126**
Mayo-Harrington

**26-127**
Sims

THORACIC SURGICAL INSTRUMENTS

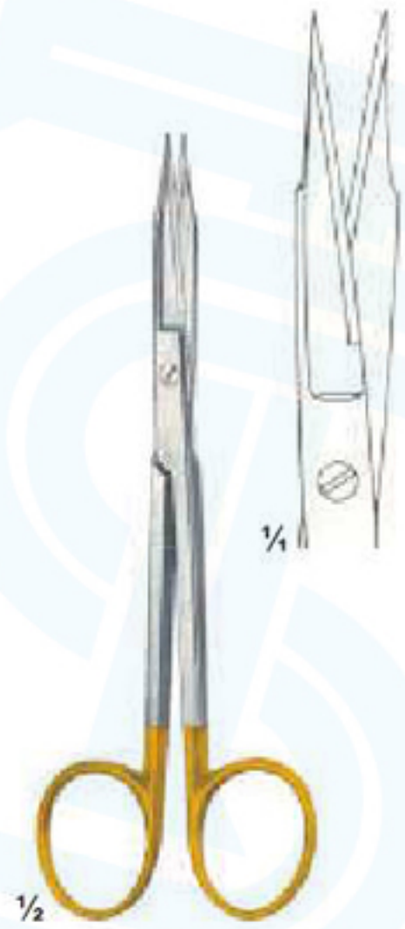
# Scissors with Tungsten Carbide Inserts




**26-128**
De-Bakey



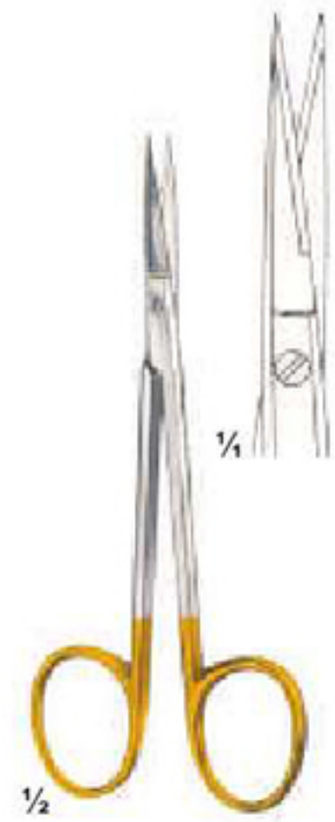

**26-129**
De-Bakey




**26-130**
Goldmann Fox
13cm



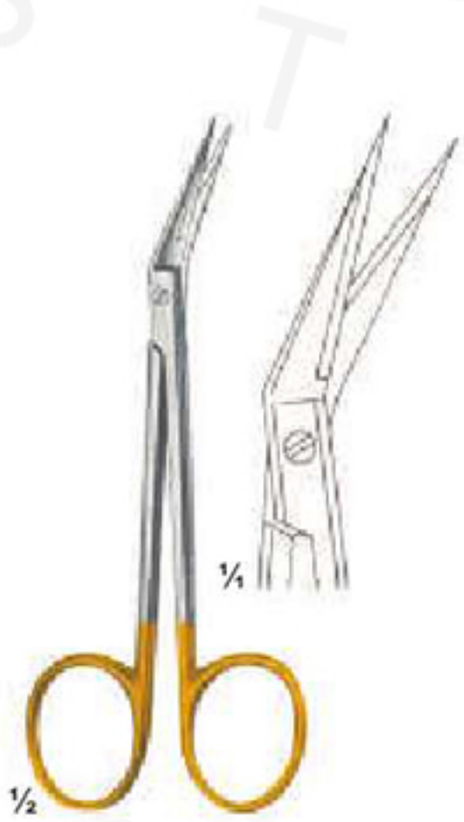

**26-131**
Goldmann Fox
13cm




**26-132**
Fine Scissor
11,5cm




**26-133**
Fine Scissor
11,5cm



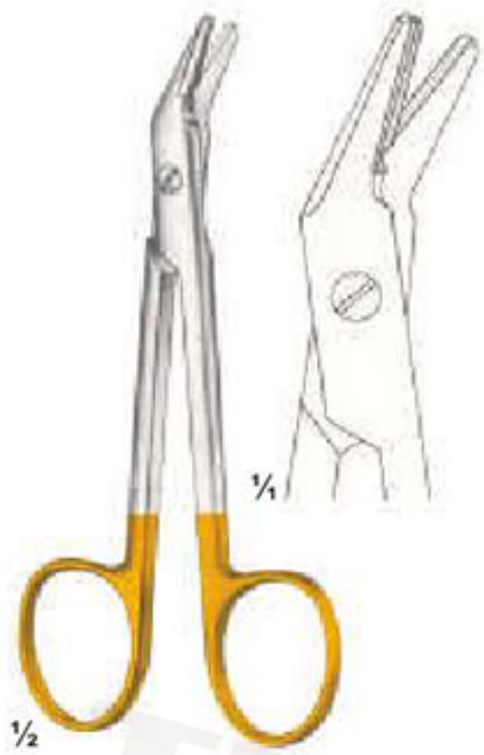

**26-134**
11,5cm




**26-135**
Ragnell
12cm

THORACIC SURGICAL INDUSTRY

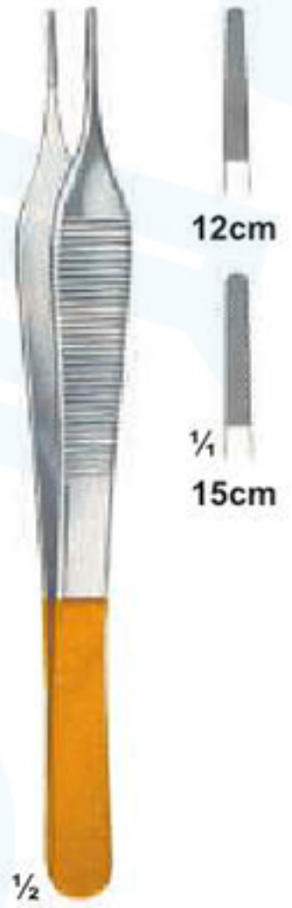
# Scissors & Dissecting Forceps with Tungsten Carbide Inserts




**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



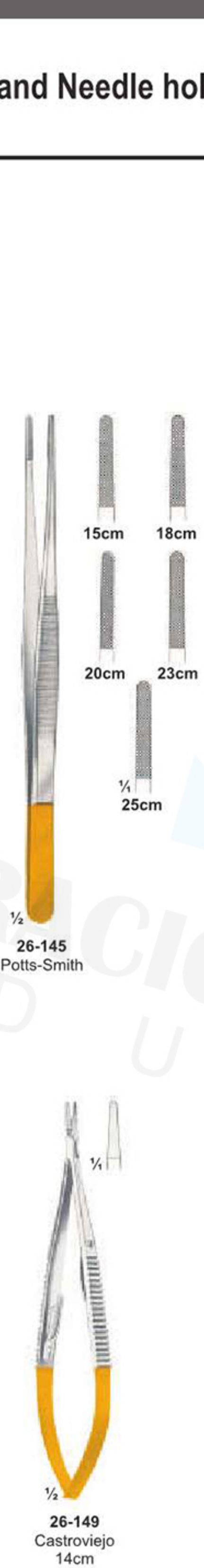

**26-143**
Semken
15cm

THORACIC SURGICAL INDUSTRIES

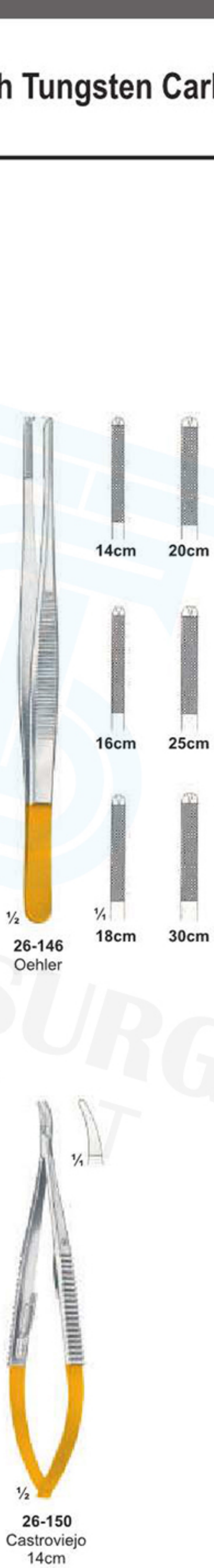
# Dissecting Forceps and Needle holders with Tungsten Carbide Inserts




**26-144**
Wangensteen




**26-145**
Potts-Smith




**26-146**
Oehler




**26-147**
Potts-Smith
22cm




**26-148**
Hepp-Scheidle
18cm




**26-149**
Castroviejo
14cm




**26-150**
Castroviejo
14cm




**26-151**
Arruga
16cm

THORACIC SURGICAL INDUSTRIES

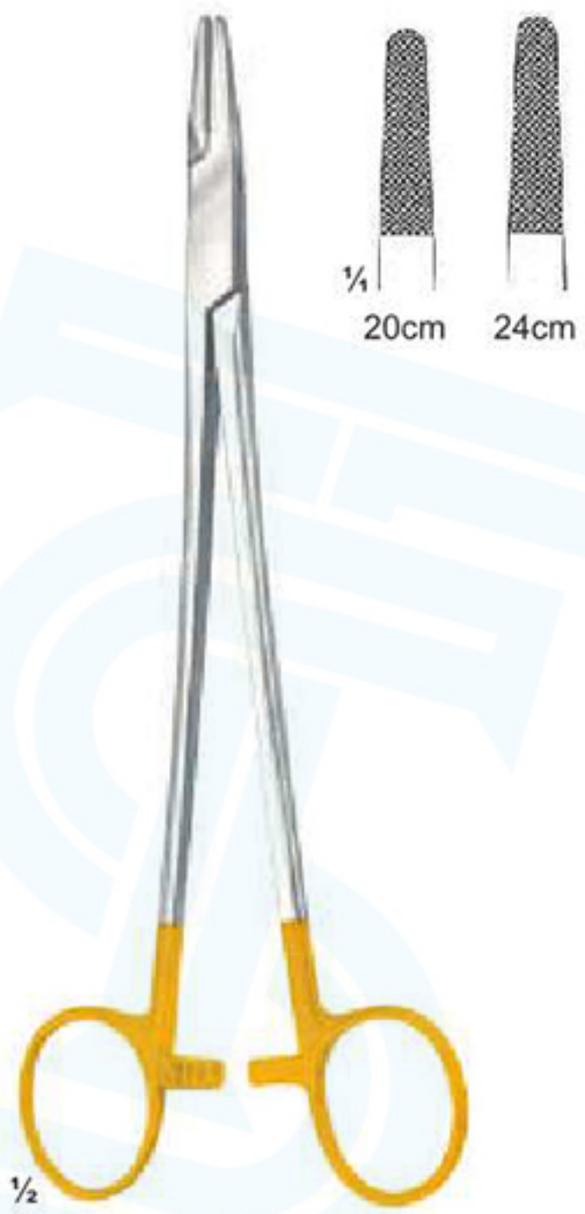
# Needle holders with Tungsten Carbide Inserts




**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



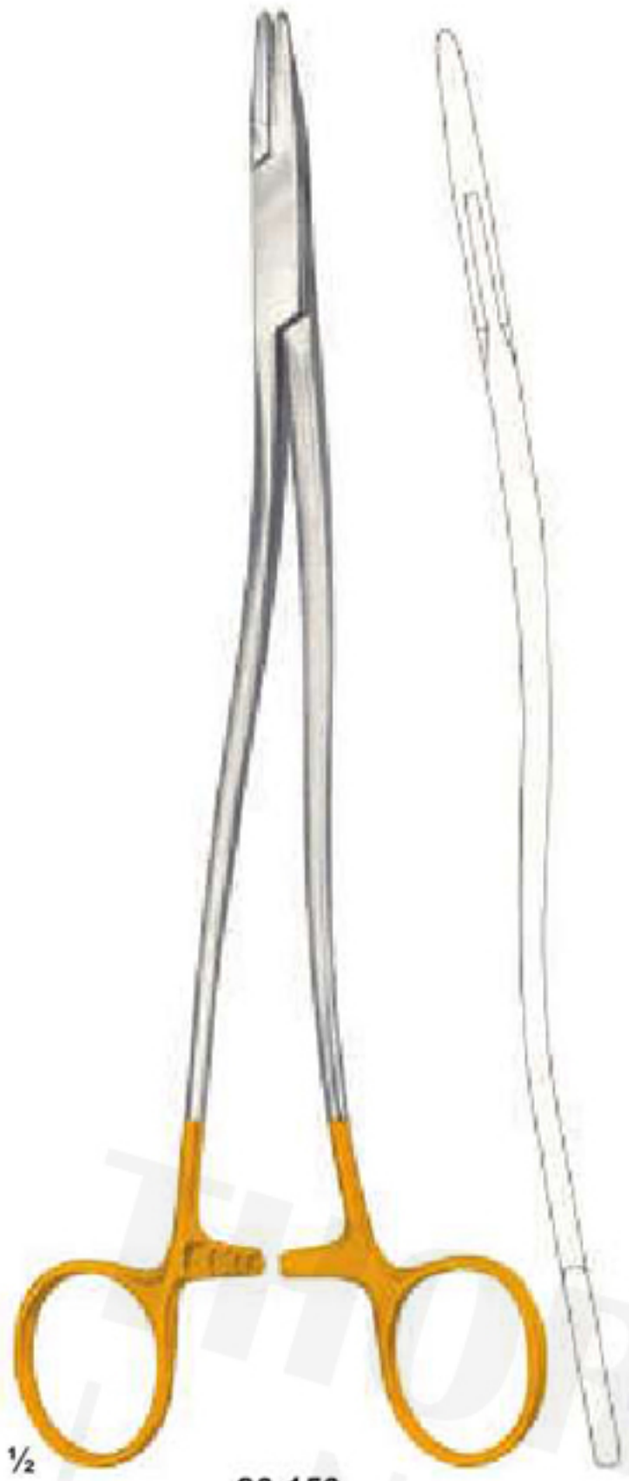

**26-157**
De-Bakey
18cm 20cm 23cm
26cm 31cm 37cm




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

THORACIC SURGICAL INSTRUMENTS

# Needle holders with Tungsten Carbide Inserts



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




**26-160**
Stratte
22cm 23cm




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




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




**26-163**
Martin
15cm 17cm 20cm




**26-164**
Sarot
18cm 20cm 26cm

# Needle holders with Tungsten Carbide Inserts




**26-165**
Finochietto
27cm




**26-166**
Heaney
20cm 24cm




**26-167**
Mathieu
14cm 17cm
20cm




**26-168**
Mathieu
12cm
20cm 23cm




**26-169**
Mathieu-Kosher
14cm 17cm
20cm 24cm




**26-170**
Mathieu-Kosher
17cm
20cm 24cm




**26-171**
Mathieu-Vascular
17cm
20cm 24cm

# Needle holders with Tungsten Carbide Inserts



½

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



½

**26-173**
Lichtenberg
20cm



½

**26-174**
Langhals
20cm 25cm



½

**26-175**
Lichtenberg
20cm 25cm



½

**26-176**
Luehty-Beck
20cm 25cm



½

**26-177**
Luehty-Beck
20cm 25cm



18cm 20cm 23cm

½

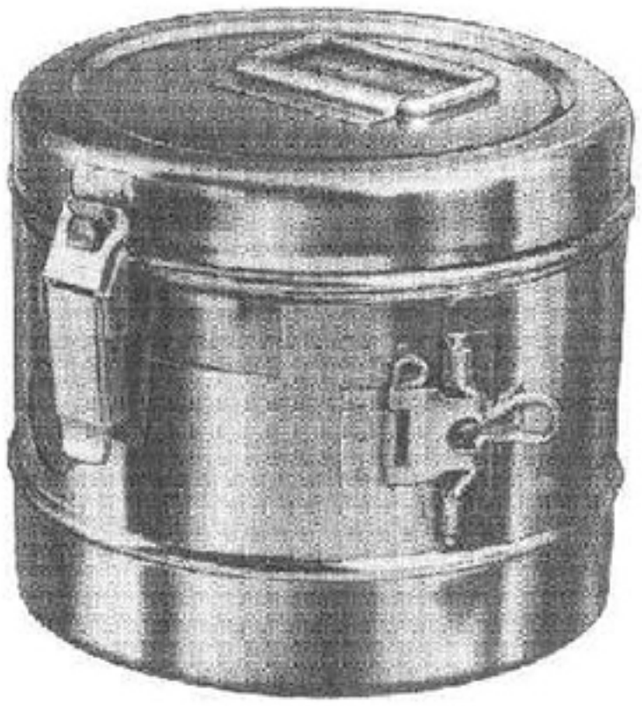
**26-178**
Langebeck
18cm
20cm 23cm



½

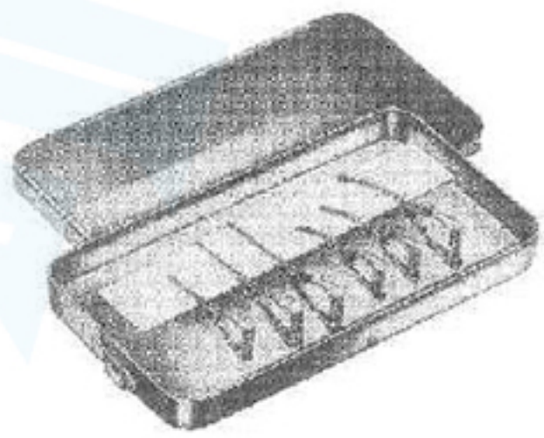
**26-179**
Langebeck-beck
18cm
20cm 23cm

THORACIC SURGICAL INDUSTRY



**27-101 - 115**
Schimmelbusch

| | ∅ x H sizes in mm |
|---|---|
| **27-101** | 80 x 80 |
| **27-102** | 105 x 120 |
| **27-103** | 140 x 140 |
| **27-104** | 160 x 120 |
| **27-105** | 160 x 150 |
| **27-106** | 190 x 150 |
| **27-107** | 190 x 190 |
| **27-108** | 240 x 160 |
| **27-109** | 240 x 240 |
| **27-110** | 290 x 160 |
| **27-111** | 290 x 240 |
| **27-112** | 340 x 160 |
| **27-113** | 340 x 340 |
| **27-114** | 390 x 190 |
| **27-115** | 390 x 290 |



**27-116**
Box
120 x 65 x 13mm
(without Bulldog clamps,
without silicone tape)



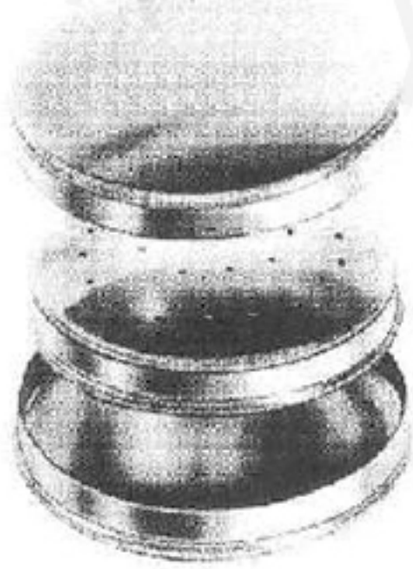
**27-117**
Box with support
120 x 65 x 13 mm
(ohne Bulldogklemmen)



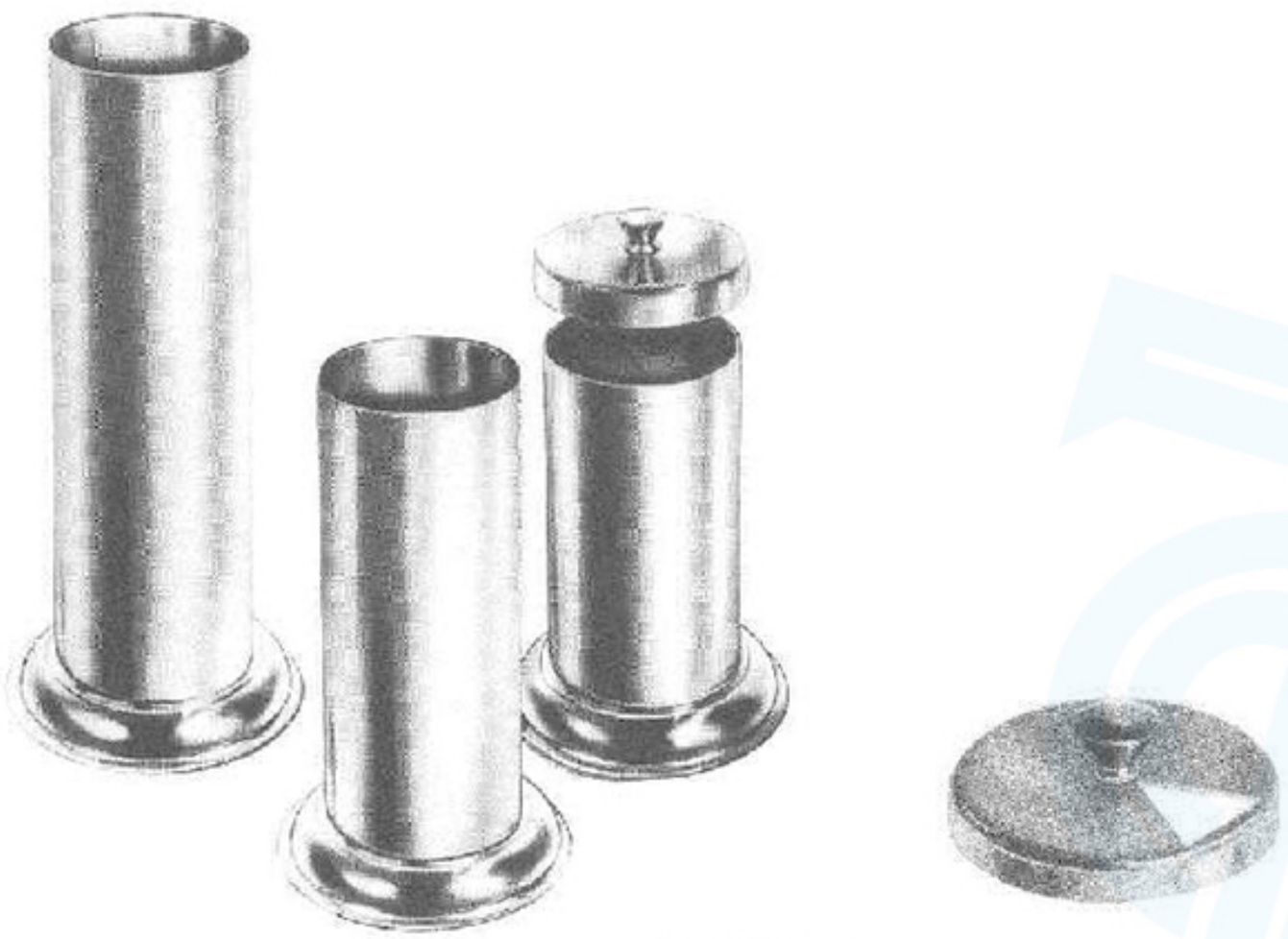
**27-118**
Box with support for
needle electrodes,
without instruments



**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**
∅ 65mm x 15mm



27-123 - 131

| | ∅ 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<br>consisting of:<br>1 Sterilizing Forceps, curved, 25 cm,<br>without ratchet, with lid for jar<br>1 jar with bottom plate (anti-tilt) |
| **27-142** | ditto, with 32 cm long Sterilizing Forceps |

THORACIC SURGICAL INDUSTRY

# Round Metal Boxes and Medicine Cups



**27-143 - 148**

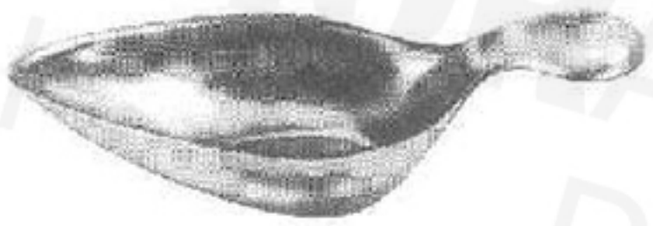
| | ∅ x H |
|---|---|
| **27-143** | 75 x 60 mm |
| **27-144** | 75 x 75 mm |
| **27-145** | 100 x 60 mm |
| **27-146** | 100 x 100 mm |
| **27-146A** | 125 x 80 mm |
| **27-147** | 125 x 125 mm |
| **27-148** | 150 x 150 mm |



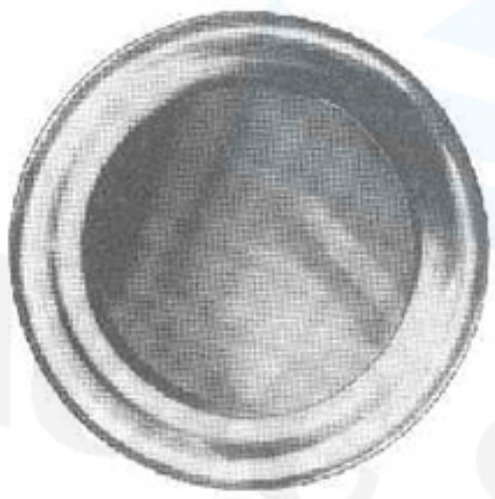
**27-149**
25 cc



**27-150**
50 cc



**27-151**
20 cc
Medicine Spoon



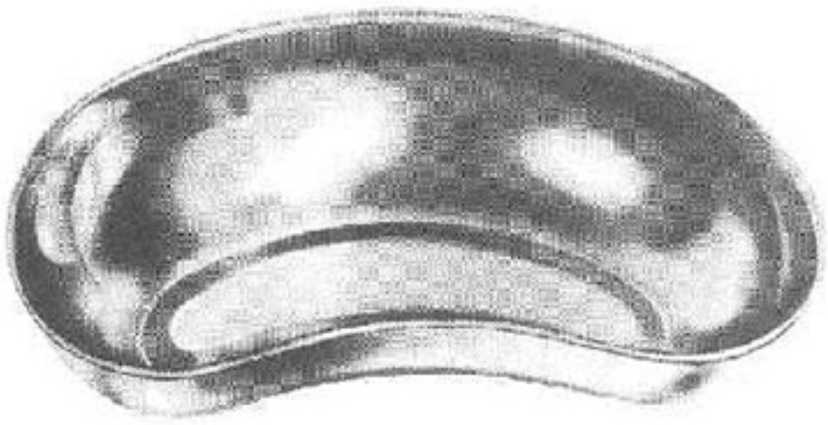
**27-152**
∅75 x 12 mm
Tablet Tray



**27-153**
∅90 x 90 mm
Metal Cup



**27-154**
∅75 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 |

THORACIC SURGICAL
INDUSTRY

# ABOUT US

We (Thoracic Surgical industry Are The Leading Manufacturers and Exporters of Quality Surgical, Dental, Surgical, Beauty

We, at Thoracic Surgical industry , have been manufacturing healthcare instruments for more than a decade now, and have taken it a step forward in the past few years by sharing our products internationally. In short, we have been exporting Dental, Orthopedic, Surgical and TC instruments like Scalpels and operating knives, Thumb dressing forceps, scissors, forceps and diagnostic equipment under the brand "Linkum".

## INTERNATIONAL MANUFACTURING STANDARDS

Thoracic Surgical industry is certified an ISO-9001 (2000), and authorized for CE mark. produce their product according to international standards. The production manager and quality control manager are responsible. We working on our procedure to get FDA approval soon

## PRODUCTION

Thoracic Surgical industry produces their products according to the requirement of customers, for example, our all customers required imported steel and Raw Material and providing instruments as per approved samples or catalog references.

## Materials

Our products are manufactured using the best quality stainless steel as ASTM, DIN & SIMAP standard's recommended which is imported from USA, GERMANY, FRANCE and JAPAN. The key to our success is our quality assurance. We use the Right Material for the Right products. We are also capable and making customized products

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