



ANWASH
SURGICAL

SURGICAL

INSTRUMENTS

CATALOGUE



Company Profile

We at **ANWASH SURGICAL** welcome you to the world of reliable quality in the products where it matters the most, to the world of precision, where lack of it could be a matter of life and death.

ANWASH SURGICAL is an industry leader in manufacturing and providing worldwide solutions for SURGICAL / DENTAL / DIAGNOSTIC & HOLLOW WARE instruments.

Our Professionals continually strive to satisfy your technical and clinical needs of surgical instruments.

We maintain a team work environment throughout the company by placing experienced members on critical manufacturing processes in instrument craftsmanship with state-of-the-art precision manufacturing equipments and the latest technologies to achieve the highest possible results.

Our instruments range from precision micro handheld surgical instruments(including forceps, clamps, scissors, needle holders, cutting and clasp devices) used in general surgery, ophthalmic, neurosurgical, ENT and cardiovascular specialties to macro instruments used in spinal, orthopedic and other surgical areas.

ANWASH SURGICAL holds worldwide recognized certifications such as:

ISO 9001	ISO 7151
CE Certified	ISO 17664:2004
EN 13485:2012	ISO 13402
ISO 7153-1	ISO 15223

Which ensures our clientage that they are in best hands when it comes to quality of the instruments as well as their compliance with the international standards.

Our Quality policy ensures that every instrument is manufactured to its highest quality by maintaining quality checks at every stage, as it is our belief that our success depends on establishing enduring relationships with our customers and consistently producing high quality products that meet their demanding standards and timetables.

Production View





01

Percussion Hammers & Aesthesiometers
Tongue Depressors
Diagnostic Sets
Examination & Measuring Instruments
Dissecting Knives
Scalpels, Tenotomes & Resection Knives

Page 01-21



02

Scissors

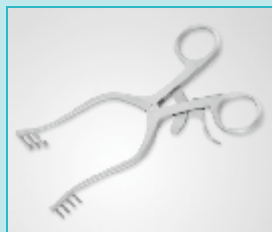
Page 22-70



03

Probes
Cotton Applicators
Suture Clips
Clip Applying Forceps And
Removing Forceps

Page 71-77



04

Self-Retaining Retractors
Abdominal Retractors

Page 78-102



05

Sponge and Dressing Forceps
Washing Forceps
Organ and Tissue Grasping Forceps
Towel Clamps

Page 103-111



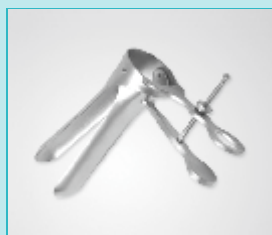
06

Bone Punches
Rongeurs
Amputation

Page 112-130

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13

Vaginal Specula

Page 243 - 253



14

Wound Retractors

Page 254 - 288



15

Dilators
Bioopsy Instruments And Curettes
Uterine Probes, Uterine Dressing - Tenaculum
Ovum Forceps
Uterine Elevating Forceps

Page 289 - 311



16

Cardiovascular And Thoracic Surgery
Muller Vessel Clips
Bulldog Clamps

Page 312 - 374



17

Needle Holders
Suture Instruments
Ligature Needles
Guiding Probes

Page 375 - 395

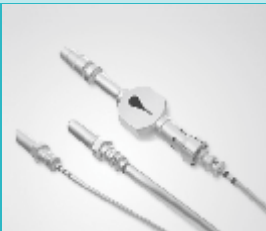


18

Gall Blader, Liver and Spleen Instruments
Genito Urinary Instruments

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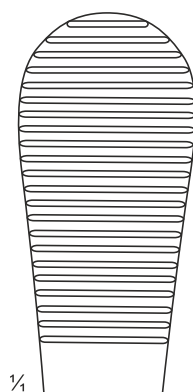
Page 1-21

- Percussion Hammers & Aesthesiometers
- Tongue Depressors
- Diagnostic Sets
- Examination & Measuring Instruments
- Dissecting Knives
- Scalpels, Tenotomes & Resection Knives





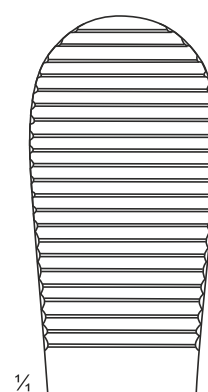
AS-01-110
HARTMANN
150 mm



72 X 24 mm



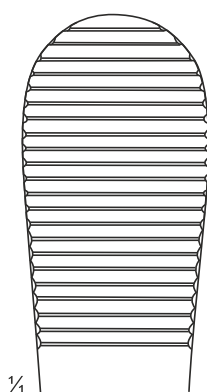
AS-01-111
TOBOLD
150 mm



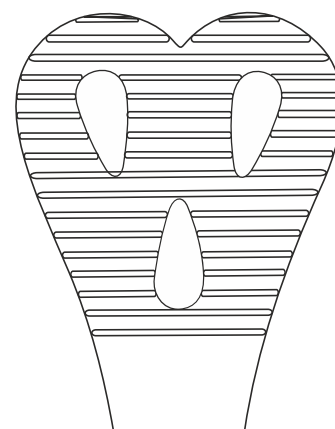
83 X 25 mm



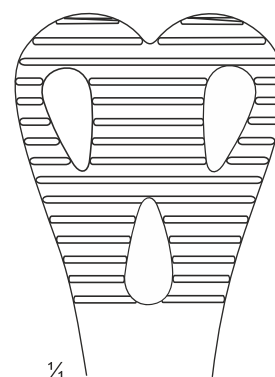
AS-01-112
TOBOLD
160 mm



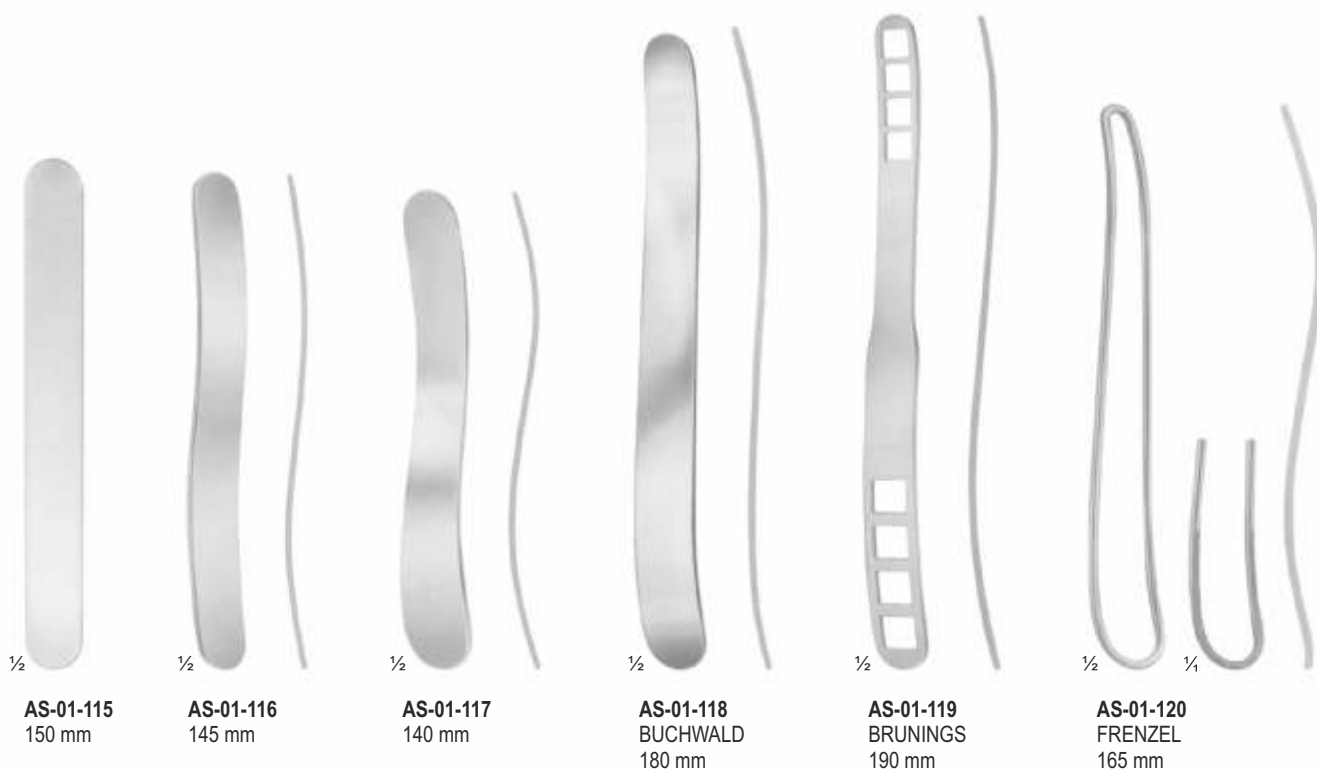
AS-01-113 - AS-01-114
WIEDER



AS-01-113
15 cm
43 mm



AS-01-114
140 mm
36 mm





AS-01-126
HEISTER
Mouth Gag
Size: 130 mm



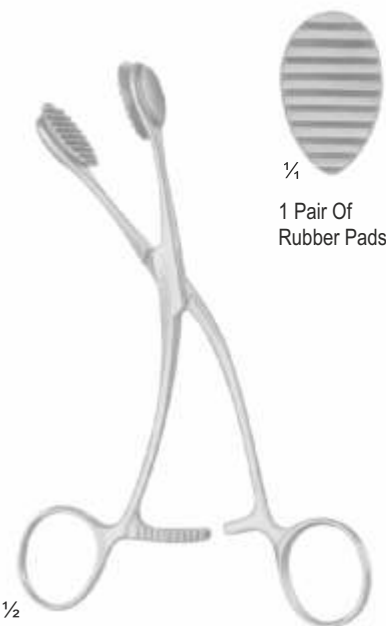
AS-01-127
FERGUSON-ACKLAND
Mouth Gag
Size: 145 mm



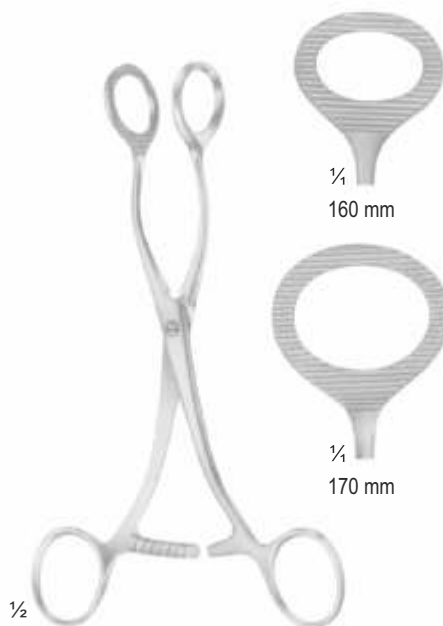
AS-01-128
DENHARDT
Mouth Gag With Silicon
Inserts, Interchangeable
Size: 125 mm



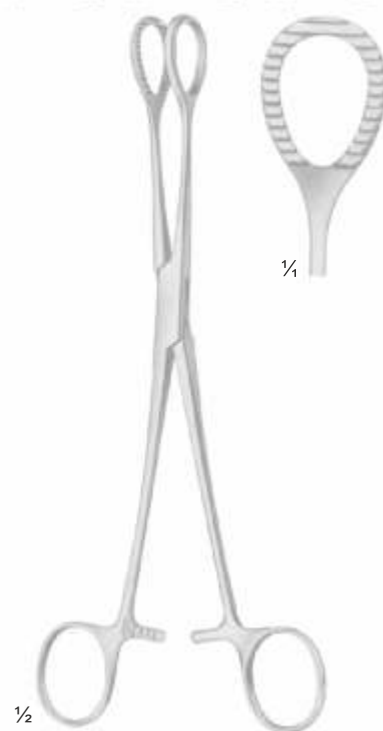
AS-01-129
ROSER KONIG
Mouth Gag
Size: 160 mm,
185 mm



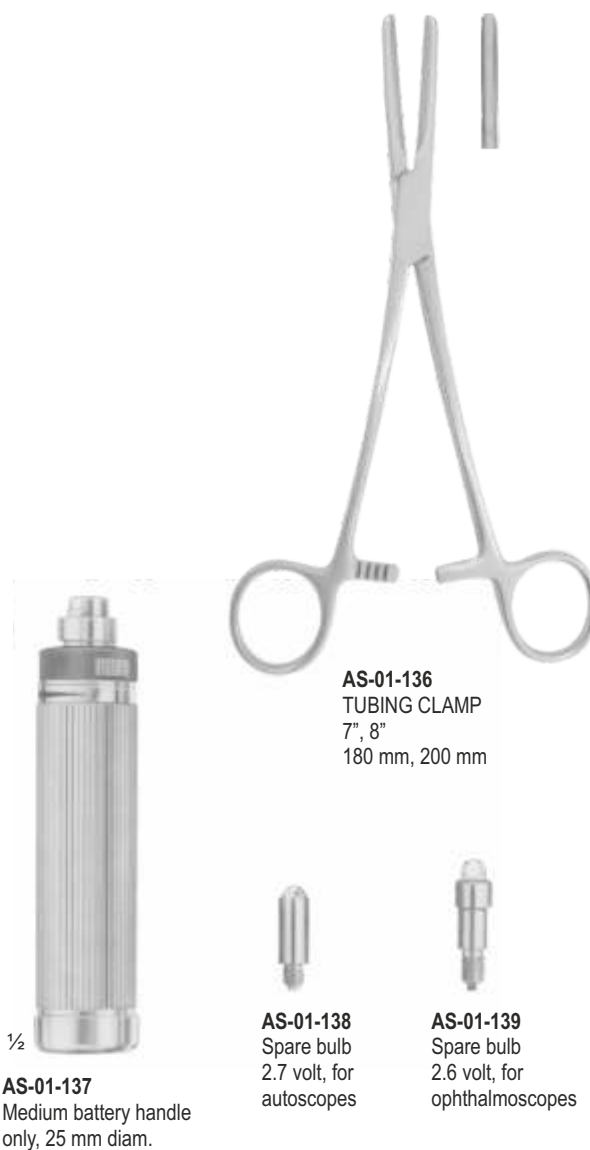
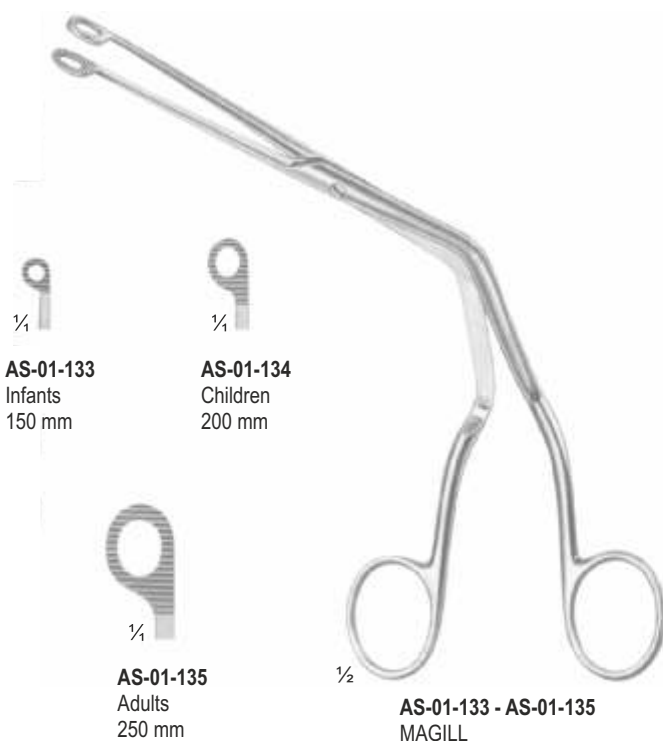
AS-01-130
YOUNG
165 mm



AS-01-131
COLLIN
160 mm, 170 mm



AS-01-132
HEYWOOD-SMITH modif.
215 mm



AS-01-140
Otoscope Set, Consists Of
Battery Handle Without Batteries,
3 Ear Specula, 1 Bulb In Velvet Lined Case



AS-01-141
Diagnostic Set, Otoscope With Three Specula,
Nasal Speculam, Lamp Holder, Two Laryngeal
Mirrors, Tongue Blade Holder



1/3

AS-01-142

MILLER

Laryngoscope Set, Consists Of Battery Handle
(Without Battery) With Four Miller
Laryngoscope Blades

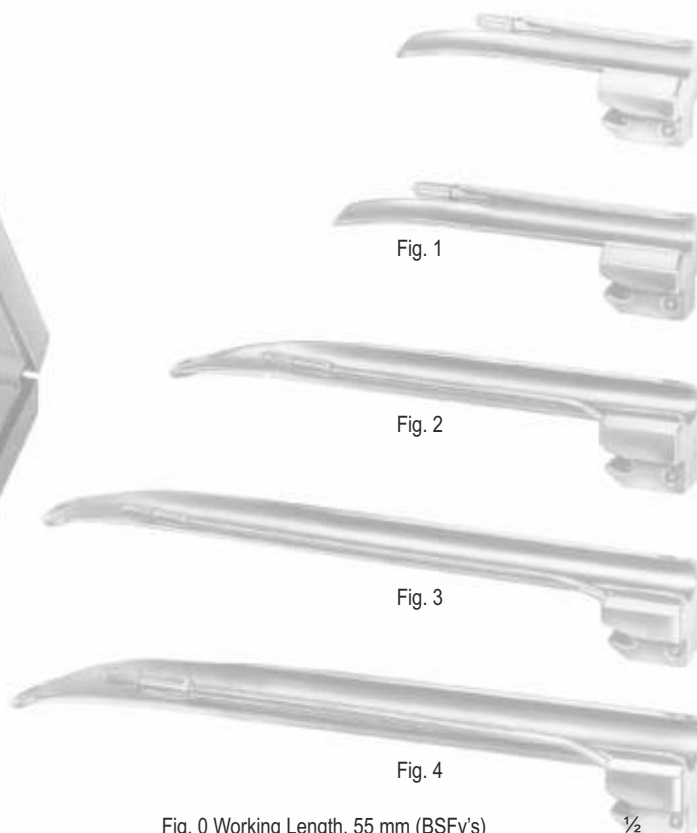


Fig. 1

Fig. 2

Fig. 3

Fig. 4

1/2

Fig. 0 Working Length, 55 mm (BSFy'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)



1/3

AS-01-143

GUEDEL-NEGUS

Laryngoscope Set, Consists Of Battery Handle
(Without Battery) With Four Miller
Laryngoscope Blades

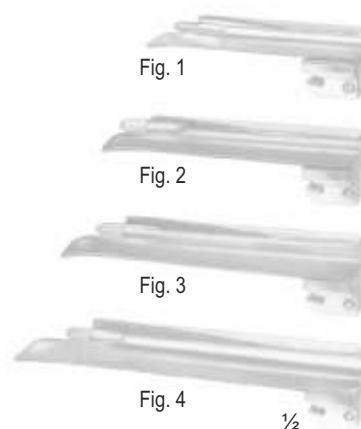


Fig. 1

Fig. 2

Fig. 3

Fig. 4

1/2

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

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

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

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



AS-01-144

McIntosh

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

AS-01-145

McIntosh

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

Fig. 0

Fig. 1

Fig. 2

Fig. 3

Fig. 4

1/2

Fig. 0 Working Length, 55 mm (BSFy'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)



AS-01-146

6GER

Laryngoscope Set, Consists Of
Battery Handle (Without Battery)
With Three Foregger Blades,
Fig. 1, Fig. 2, Fig. 3,

AS-01-147

FOREGGER

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

Fig. 1

Fig. 2

Fig. 3

Fig. 4

1/2

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



AS-01-148

Fiber Optic
Battery Handle



AS-01-149

Fiber Optic
Battery Handle



AS-01-150

Replacement Lamp
(Krypton) 2.5 V



AS-01-151

Replacement Lamp
(Halogen) 2.5 V



AS-01-152
Boley



Metal: **AS-01-153**
Wax : **AS-01-154**
Double Side Marking
Iwanson



AS-01-155
CAROLL
140 mm



AS-01-156
TOWNLEY
100 mm



AS-01-157
BERTILLON
Caliper For Measuring The Head
320 mm



AS-01-158
CASTROVIEJO
Caliper



AS-01-159
MOLTGEN
Goniometer



AS-01-160 - AS-01-169
Fig. 1 - 10



AS-01-160
Fig. 1



AS-01-161
Fig. 2



AS-01-162
Fig. 3



AS-01-163
Fig. 4



AS-01-164
Fig. 5



AS-01-165
Fig. 6



AS-01-166
Fig. 7



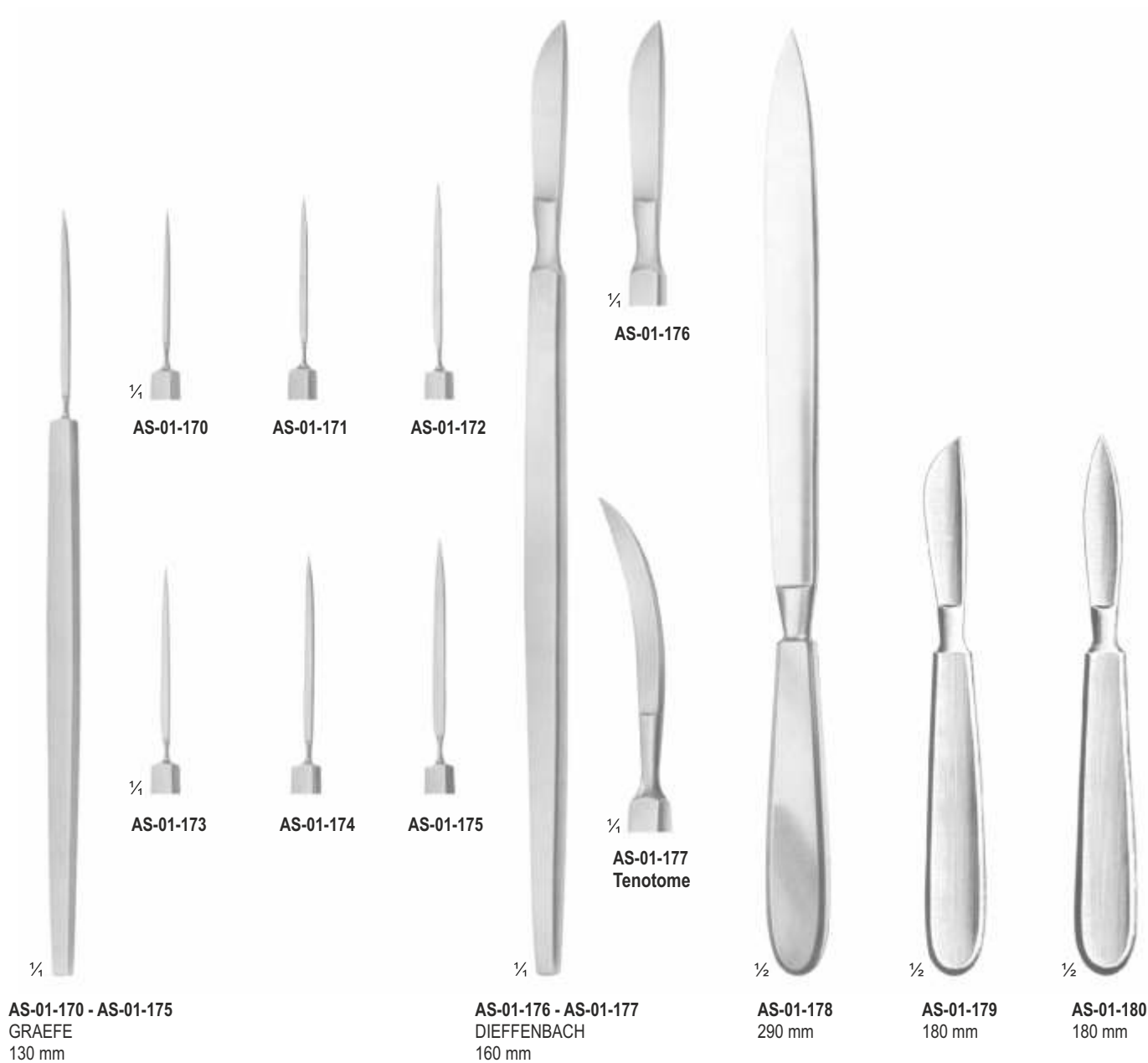
AS-01-167
Fig. 8



AS-01-168
Fig. 9



AS-01-169
Fig. 10





AS-01-181
130 mm
AS-01-182
160 mm
AS-01-183
190 mm
AS-01-184
200 mm

Blade Length
Amputating Knives

AS-01-185
CATLIN
160 mm
Blade Length
Amputating
Knives

AS-01-186
LANGENBECK
120 mm
Blade Length
Flap Knives

AS-01-187
110 mm
Blade Length
Interosseous
Knives

AS-01-188
55 mm
Blade Length
With Raspatory,
Wooden Handle

AS-01-189
70 mm
Blade Length
Wooden Handle

AS-01-190
80 mm
Blade Length
Metal Handle

AS-01-191
195 mm
Blade Length
Metal Handle



AS-01-192
AYRE
235 mm
Cone Knife

AS-01-193
230 mm
Cone Knife

AS-01-194
SEGOND
270 mm
Myomatome

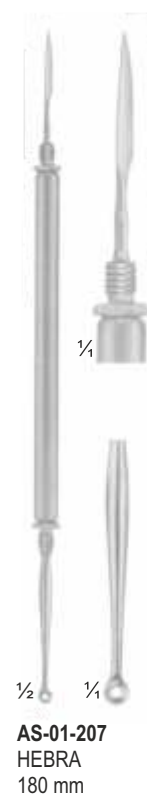
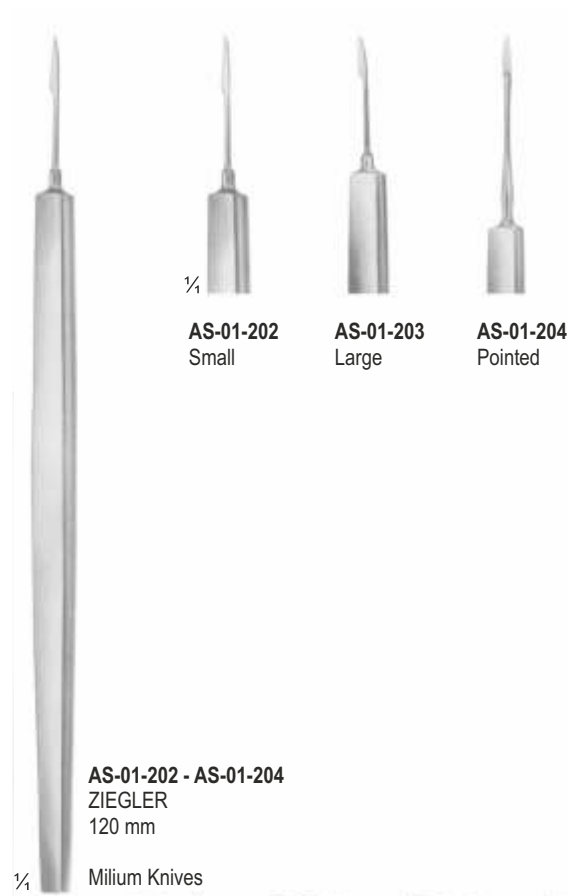
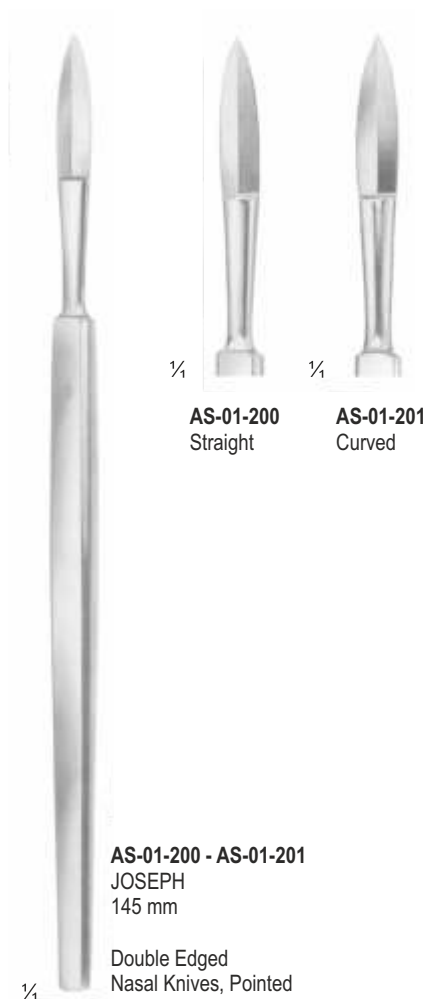
AS-01-195
OLIVECRONA
205 mm
Trigeminal
Knife

AS-01-196
230 mm
Trigeminal
Knife

AS-01-197
FOWLER
200 mm
Tonsil Knife

AS-01-198
SFRAHAM
215 mm
Tonsil Knife

AS-01-199
BRUNINGS
215 mm
Tonsil Knife





AS-01-209
STANDARD
No. 4
Solid

AS-01-210
Double Handle
No. 4 + No. 3
Solid

AS-01-211
No. 4 L
Straight
Solid

AS-01-212
No. 4 L
Solid Angled

AS-01-213
COLLIN
No. 8
Hollow

AS-01-214
COLLIN
No. 9
Hollow

AS-01-215
Plastic



AS-01-216
STANDARD
No. 3
Solid



AS-01-217
No. 3
Solid



AS-01-218
No. 3
Solid



AS-01-219
No. 3 L
Straight
Solid



AS-01-220
No. 3 L
Angled
Solid



AS-01-221
No. 7
Solid



AS-01-222
No. 7 K
Solid



AS-01-223
Hollow-Round



AS-01-224
No. 3
Straight
Solid



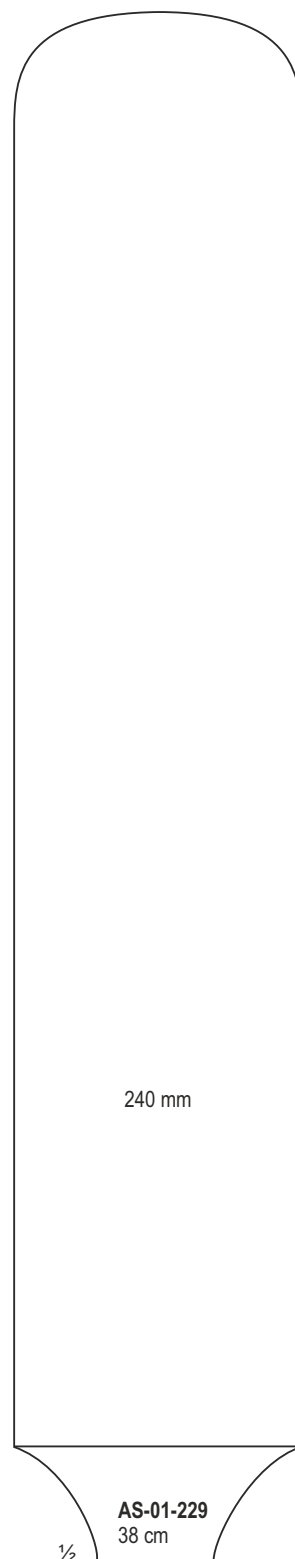
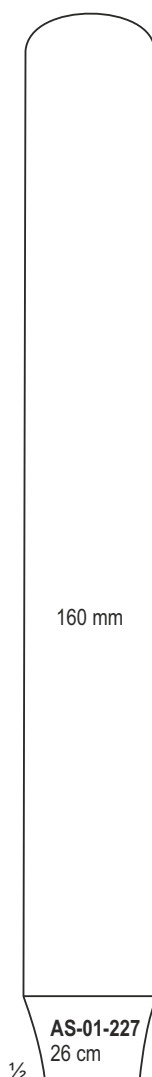
AS-01-225
25.5 cm



AS-01-226
VIRCHOW



AS-01-227 - AS-01-229
VIRCHOW





AS-01-230
TROUTMAN-CHRIS
9 cm



AS-01-231
TROUTMAN-CHRIS
9 cm



AS-01-232
11 cm



AS-01-233
CASTROVIEJO
13 cm



AS-01-234
18.5 cm



HUMBY
AS-01-235
32 cm



HUMBY
AS-01-235



AS-01-236
SCHINK
30 cm



SCHINK
AS-01-236



AS-01-237
SILVER
19.5 cm



AS-138
PARKER



AS-139

9.5 cm

11 cm



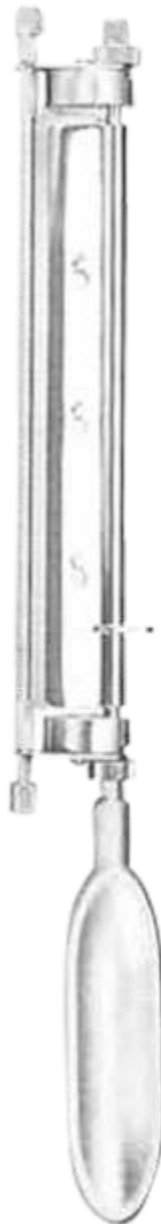
AS-140
COBBETT



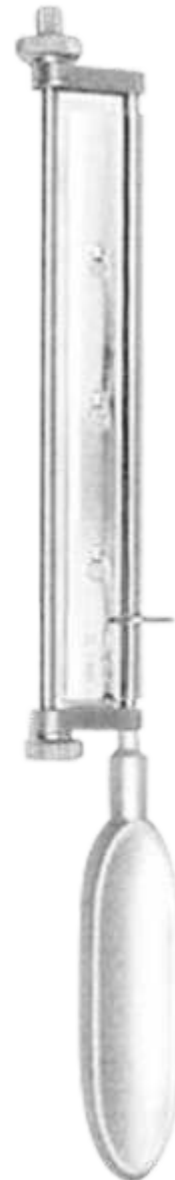
AS-141
BRAITHWATTE



Spare Blade



AS-142
HUMBY
35 cm

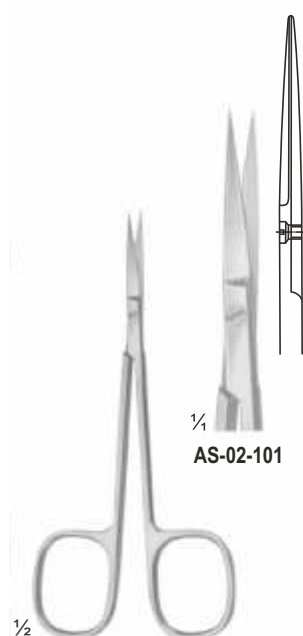


AS-143
WATSON
30 cm

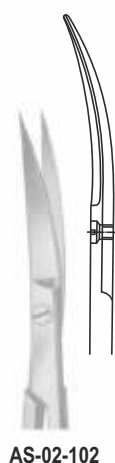


Page 22–70

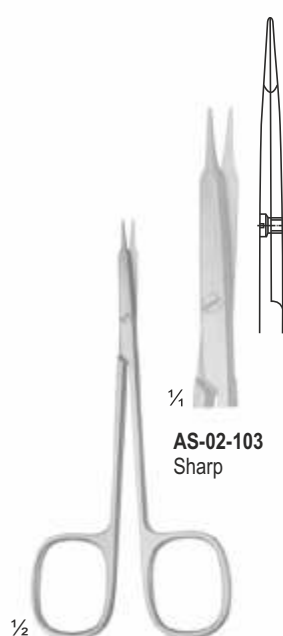
- Scissors



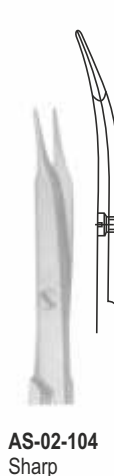
AS-02-101



AS-02-102



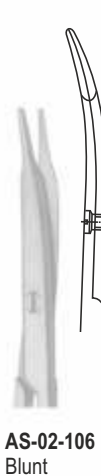
AS-02-103
Sharp



AS-02-104
Sharp



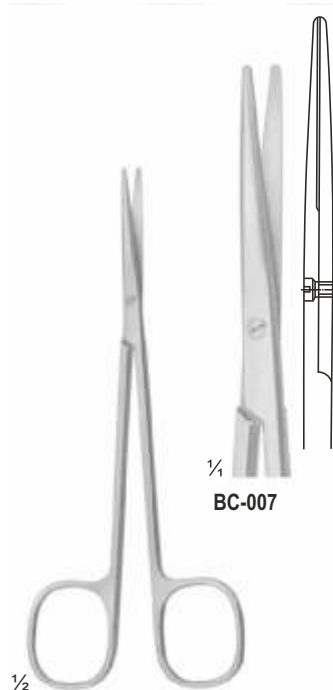
AS-02-105
Blunt



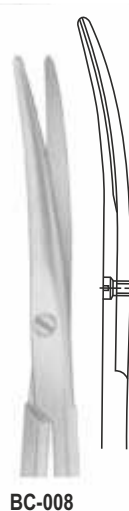
AS-02-106
Blunt

AS-02-101 - AS-02-102
120 mm

AS-02-103 - AS-02-106
STEVENS
Dissecting Scissors
115 mm

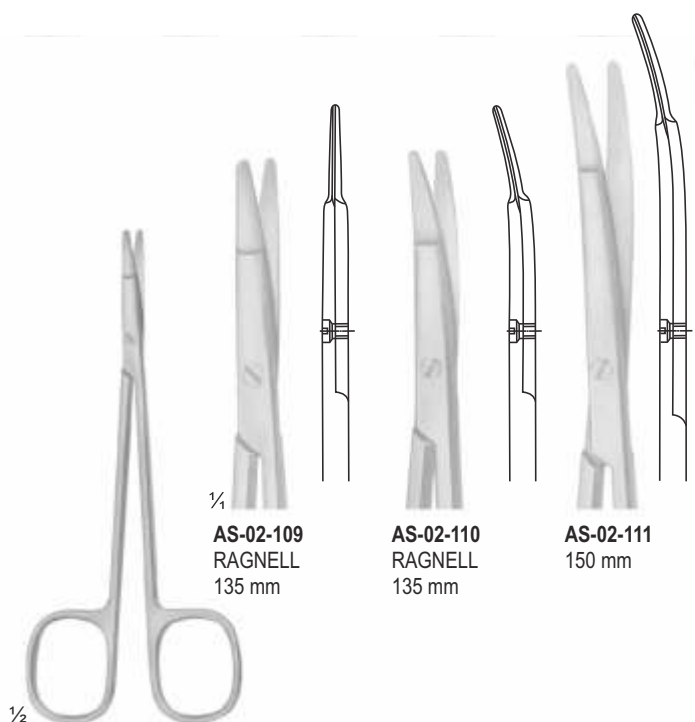


BC-007



BC-008

AS-02-107 - AS-02-108
METZENBAUM
Dissecting Scissors
145 mm



AS-02-109
RAGNELL
135 mm

AS-02-110
RAGNELL
135 mm

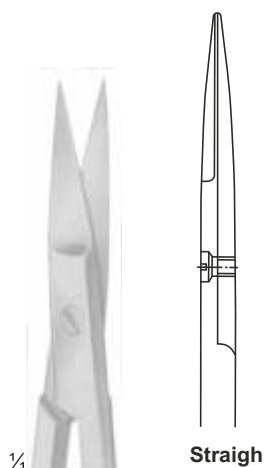
AS-02-111
150 mm

AS-02-109 - AS-02-111
Special flat points for
dissecting and
undermining the skin
145 mm



1/2

KELLY
AS-02-112
175 mm



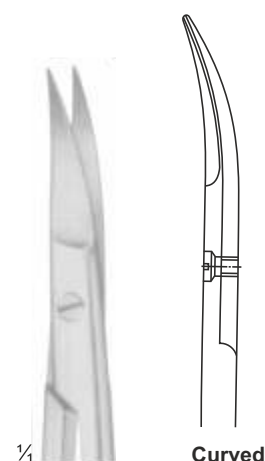
1/4

Straigh



1/2

KELLY
AS-02-113
175 mm



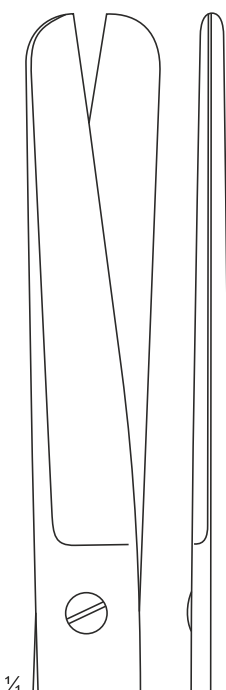
1/4

Curved



1/2

DOYEN
AS-02-114
185 mm

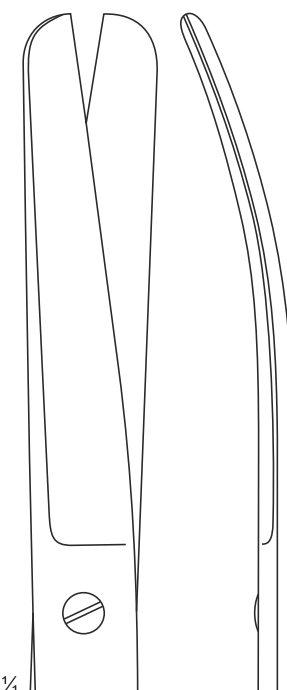


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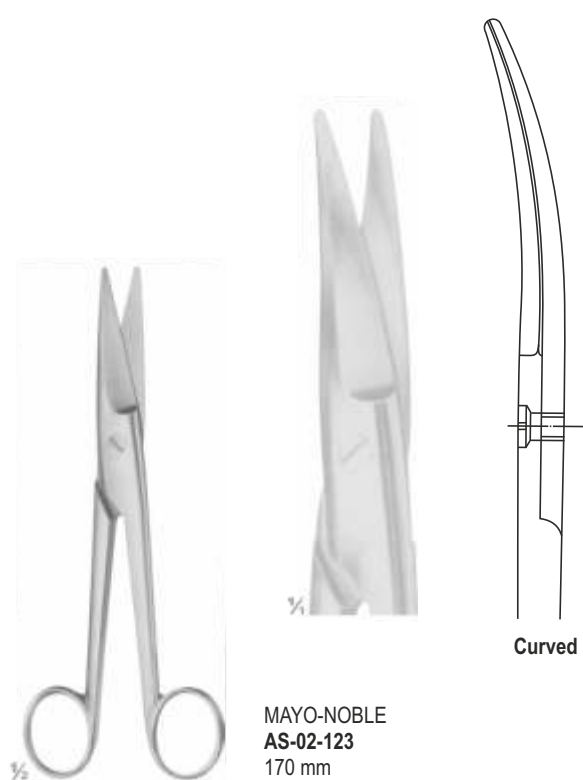
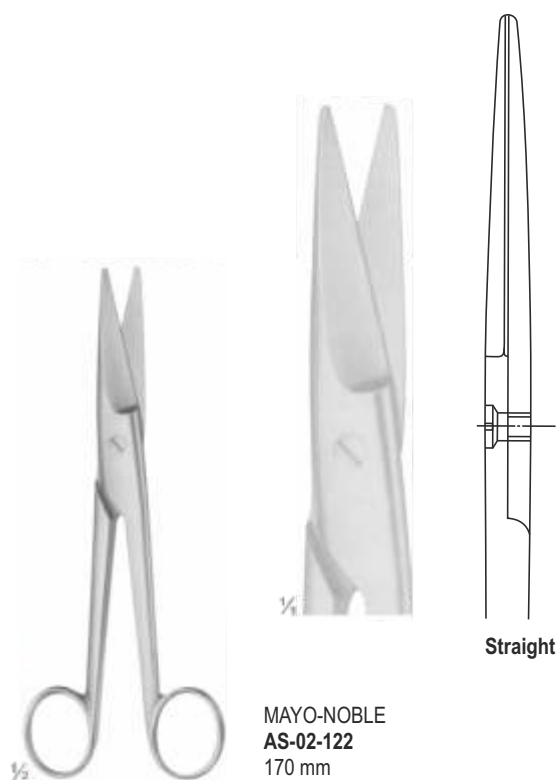
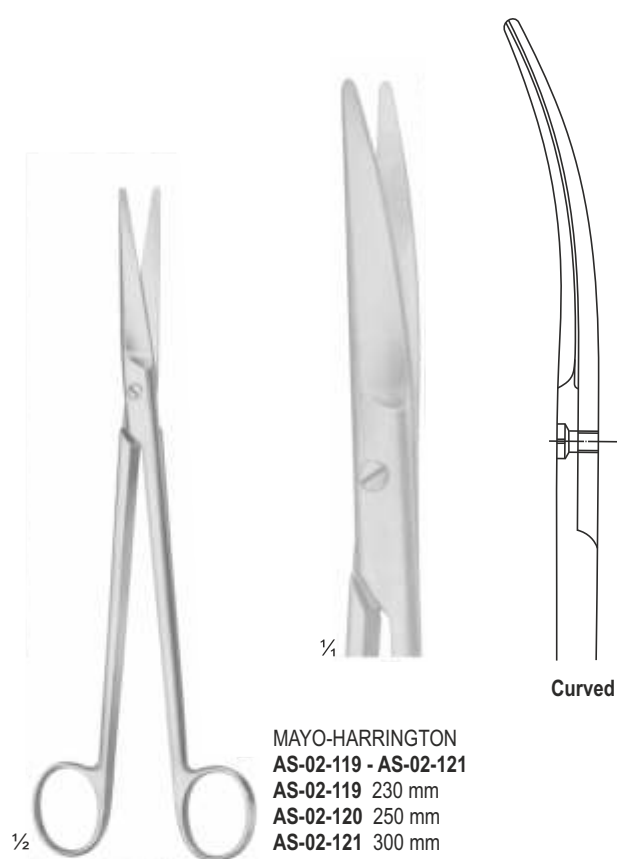
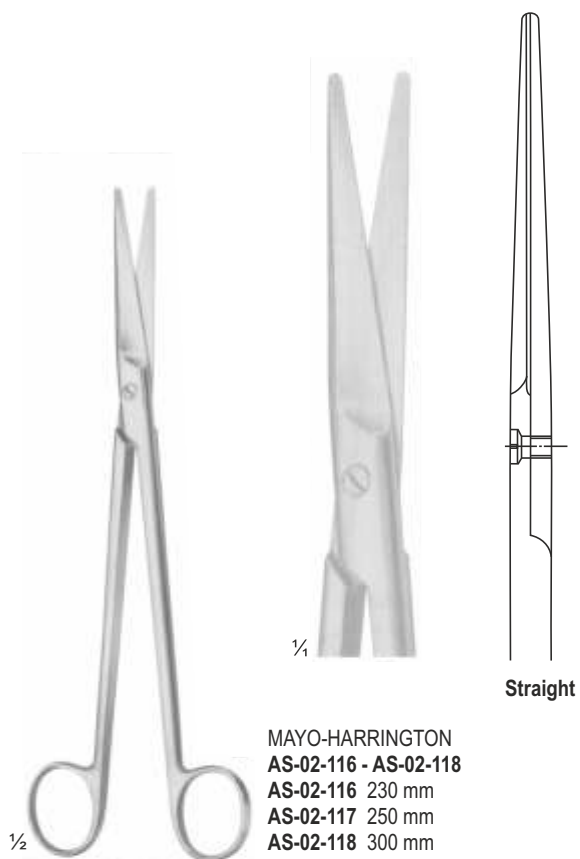


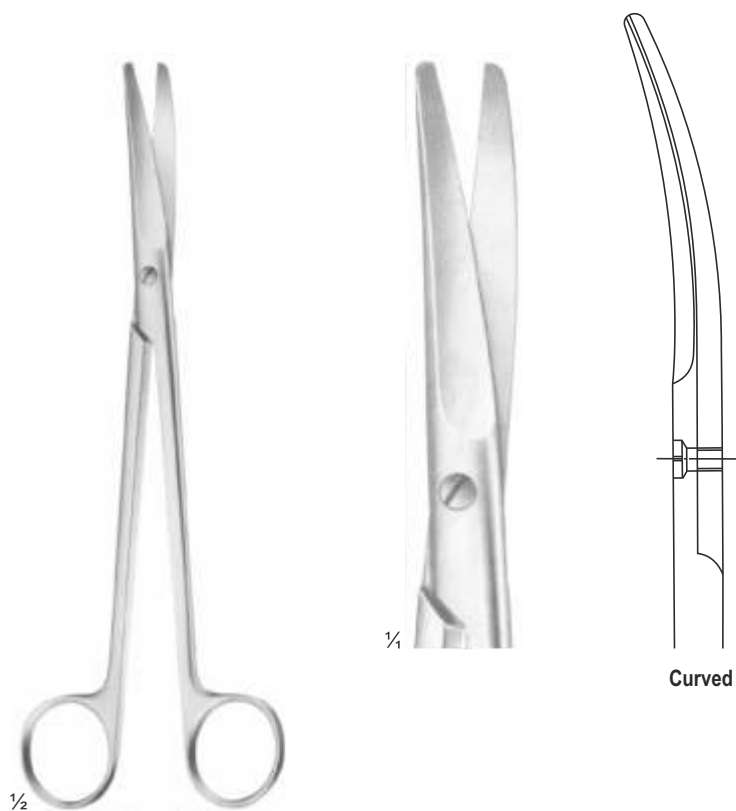
1/2

DOYEN
AS-02-115
185 mm

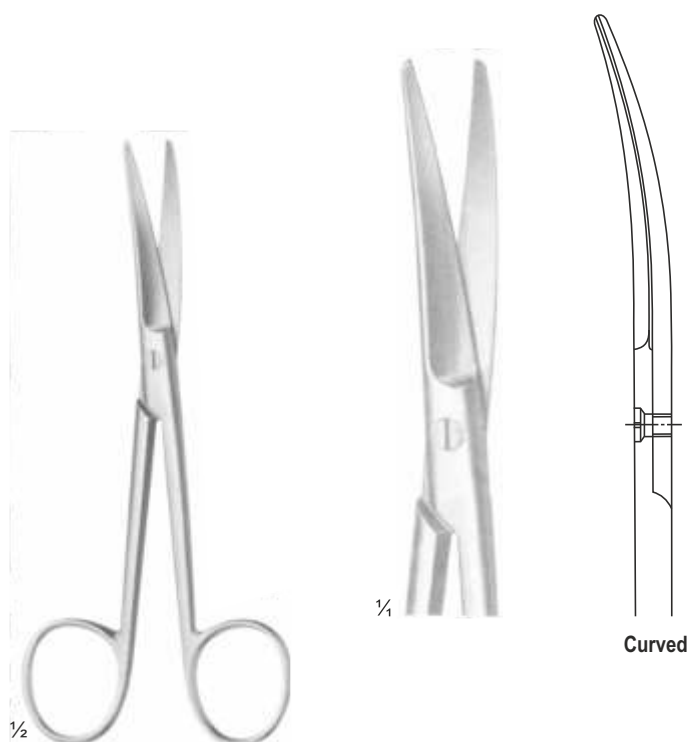


1/4





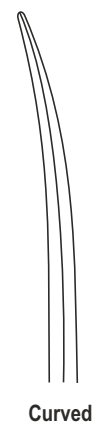
SIMS
AS-02-124 - AS-02-126
AS-02-124 200 mm
AS-02-125 210 mm
AS-02-126 230 mm



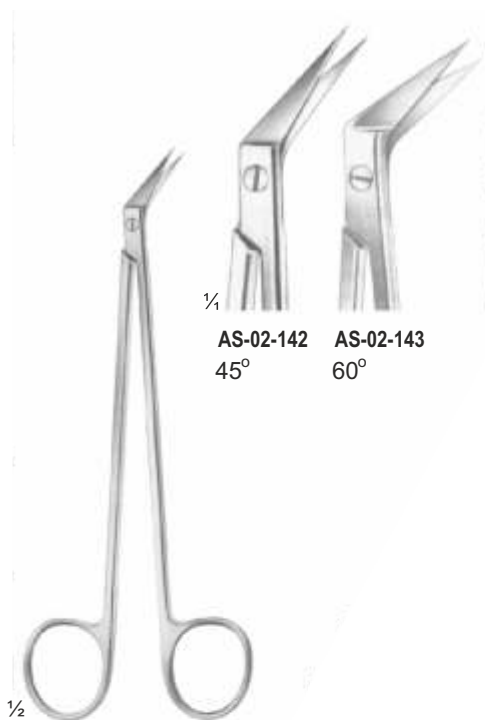
WERTHEIM
AS-02-127 - AS-02-129
AS-02-127 145 mm
AS-02-128 200 mm
AS-02-129 230 mm



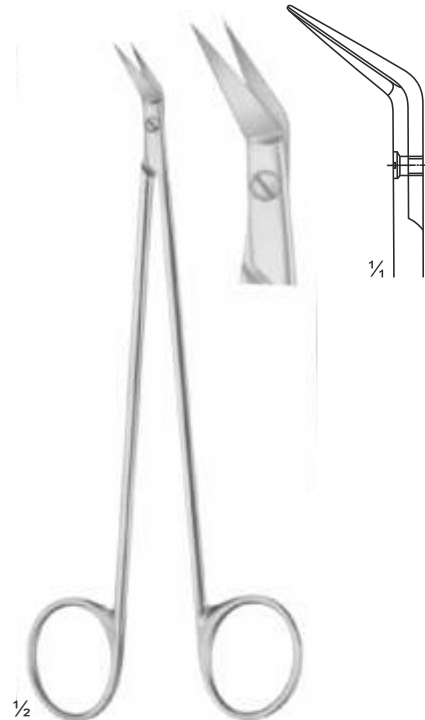
FINO-METZENBAUM
AS-02-130 - AS-02-135
AS-02-130 180 mm
AS-02-131 200 mm
AS-02-132 230 mm
AS-02-133 260 mm
AS-02-134 280 mm
AS-02-135 300 mm



FINO-METZENBAUM
AS-02-136 - AS-02-141
AS-02-136 180 mm
AS-02-137 200 mm
AS-02-138 230 mm
AS-02-139 260 mm
AS-02-140 280 mm
AS-02-141 300 mm



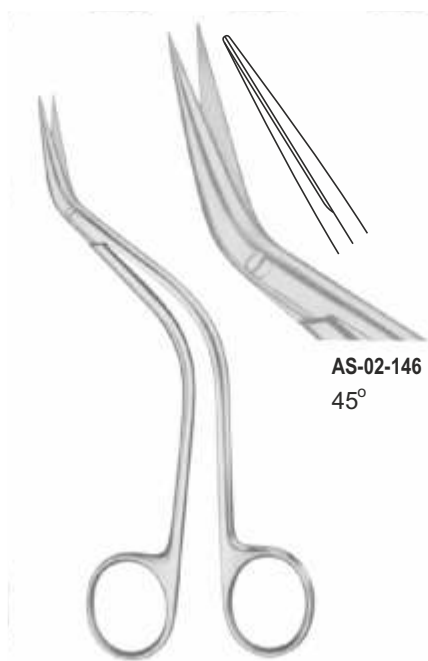
AS-02-142 - AS-02-143
DE BAKEY
155 mm



AS-02-144
POTTS-SMITH
180 mm



AS-02-145
POTTS-SMITH
180 mm



AS-02-146
DEBAKEY
155 mm



AS-02-147
FAVOLORO
140 mm



DIETRICH
AS-02-148 - AS-02-152



AS-02-148
190 mm
25°



AS-02-149
185 mm
45°



AS-02-150
175 mm
60°



AS-02-151
175 mm
90°



AS-02-152
175 mm
120°



MIKRO-HEGEMANN
AS-02-153 - AS-02-157
185 mm



AS-02-153
25°



AS-02-154
45°



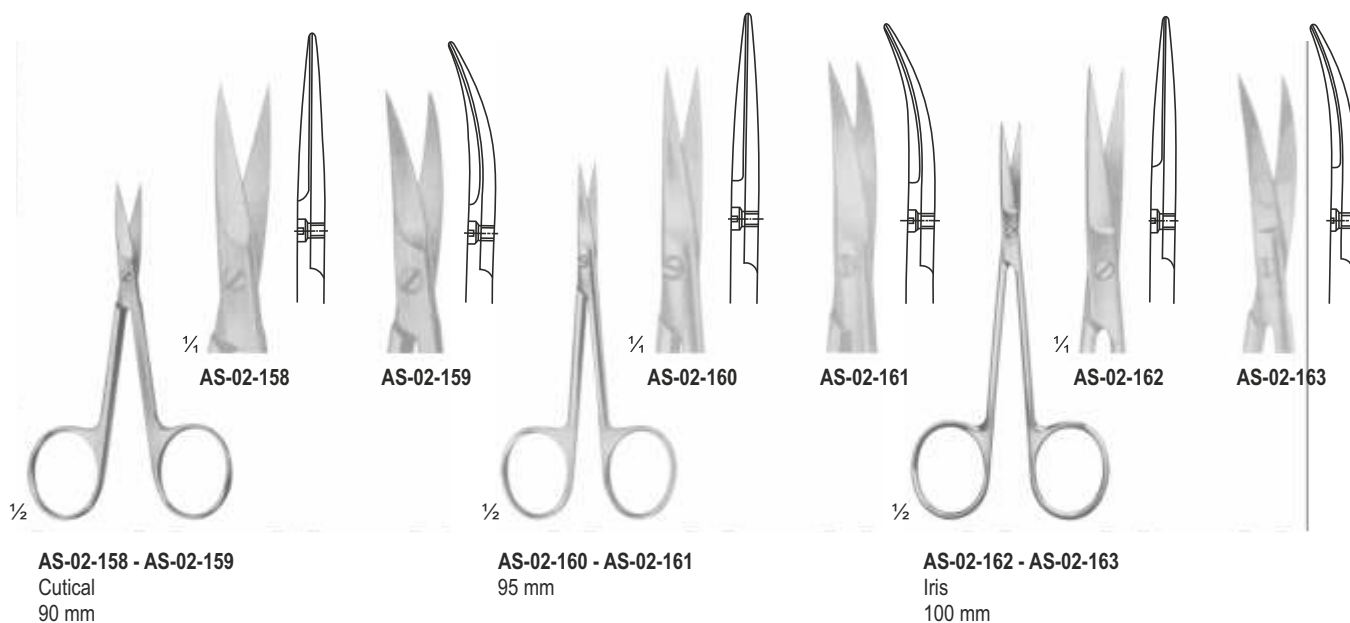
AS-02-155
60°

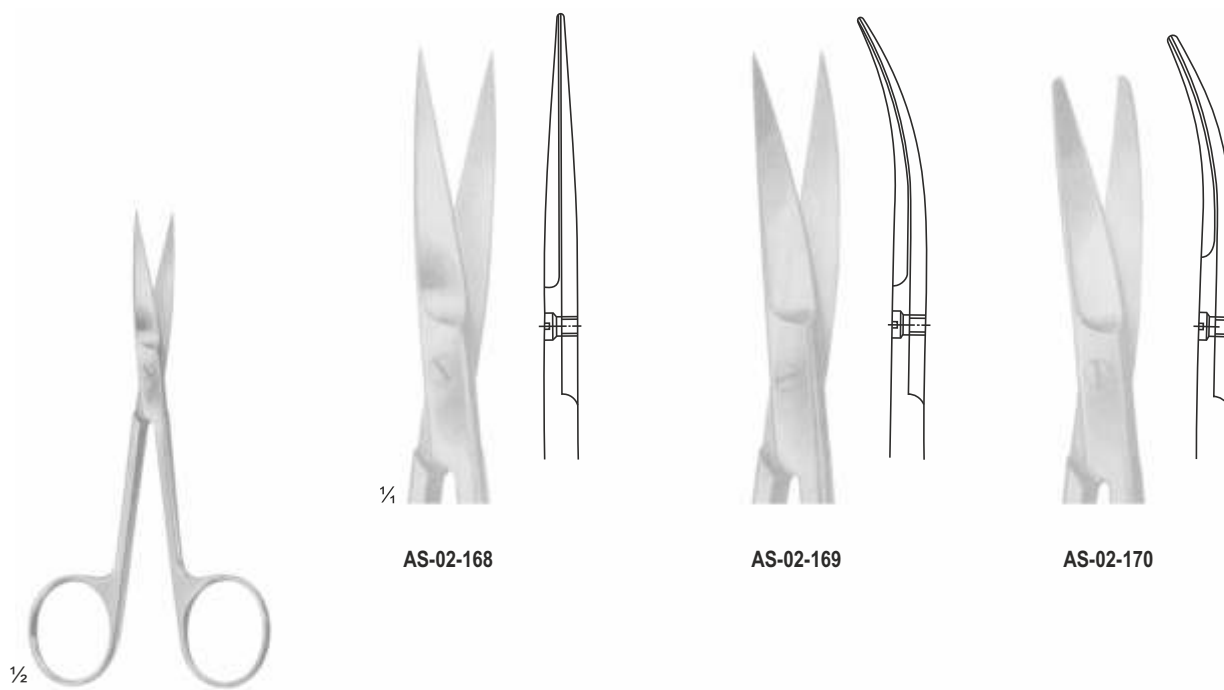


AS-02-156
90°

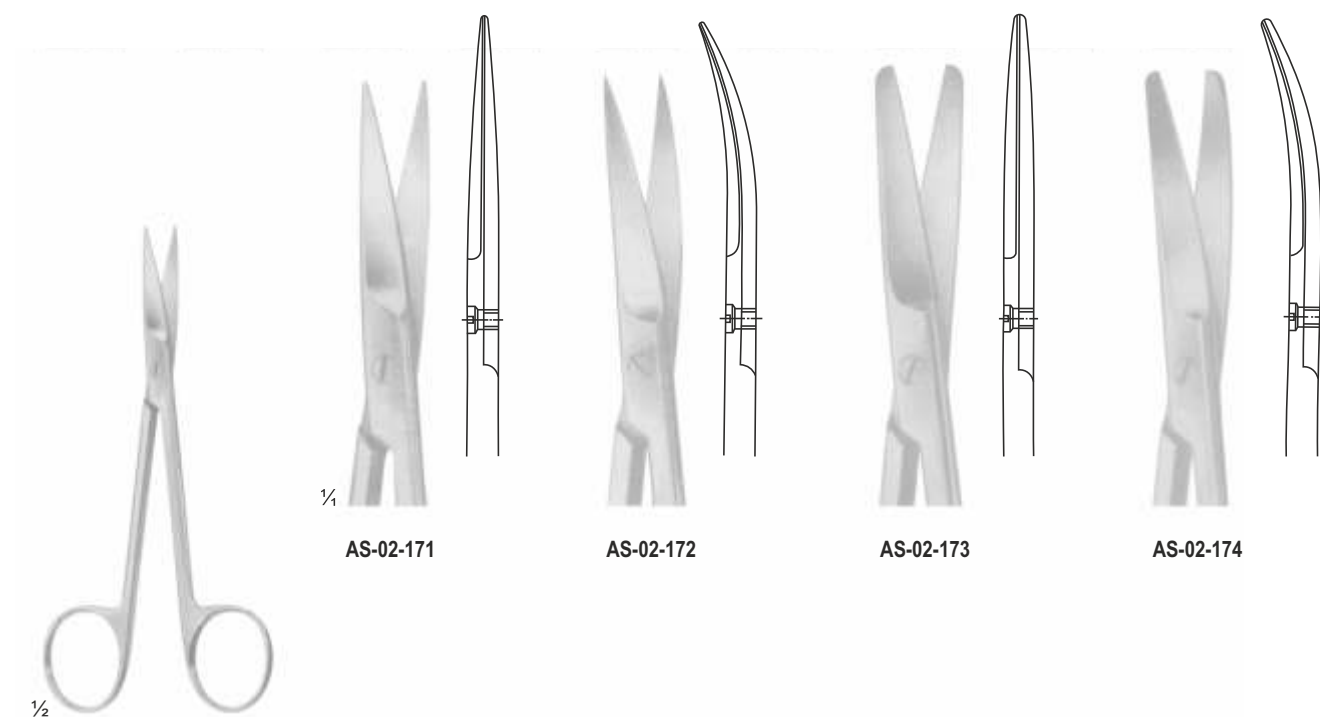


AS-02-157
120°

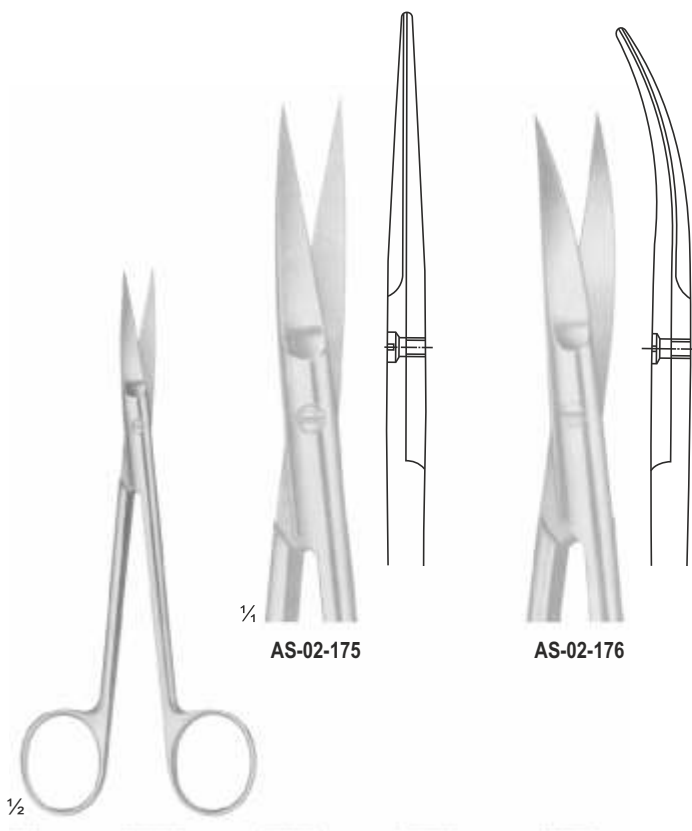




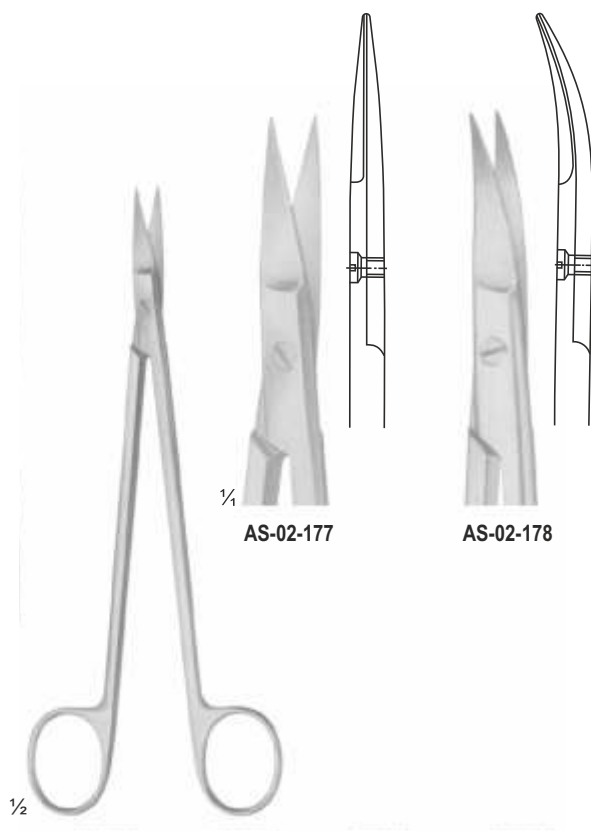
AS-02-168 - AS-02-170
Fine Operating Scissors
120 mm



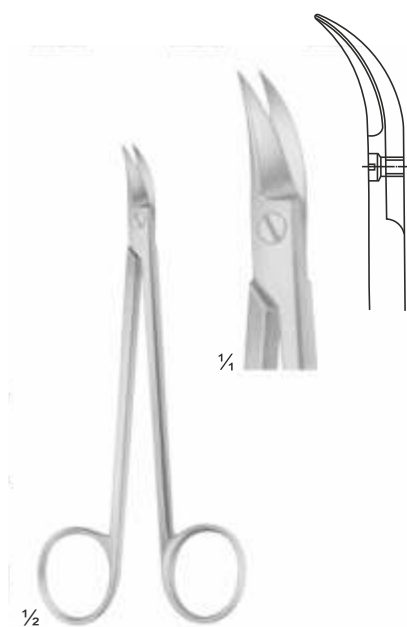
AS-02-171 - AS-02-174
Fine Operating Scissors
130 mm



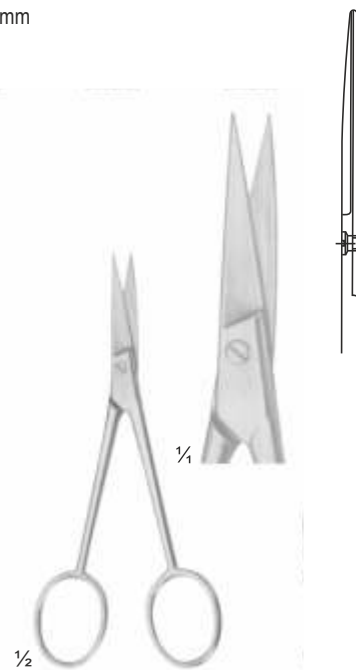
AS-02-175 - AS-02-176
JOSEPH
150 mm



AS-02-177 - AS-02-178
KELLY
175 mm



AS-02-179
QUINBY
130 mm

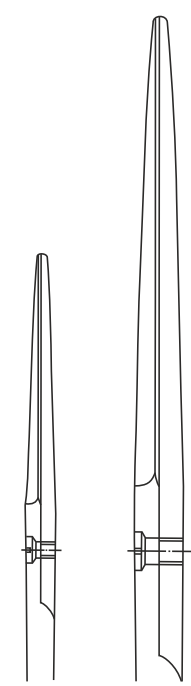


AS-02-180
Dissecting
110 mm



AS-02-181 - AS-02-189 (Standard Types)

AS-02-181 (105 mm)
AS-02-182 (115 mm)
AS-02-183 (130 mm)
AS-02-184 (145 mm)
AS-02-185 (150 mm)
AS-02-186 (165 mm)
AS-02-187 (175 mm)
AS-02-188 (185 mm)
AS-02-189 (200 mm)



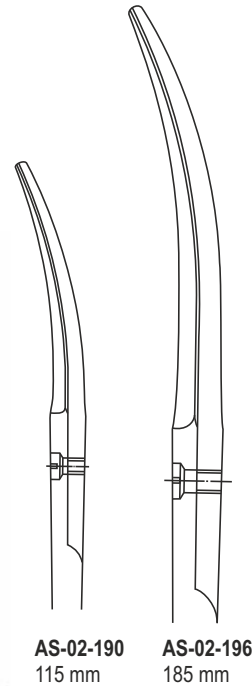
AS-02-181
105 mm

AS-02-189
200 mm



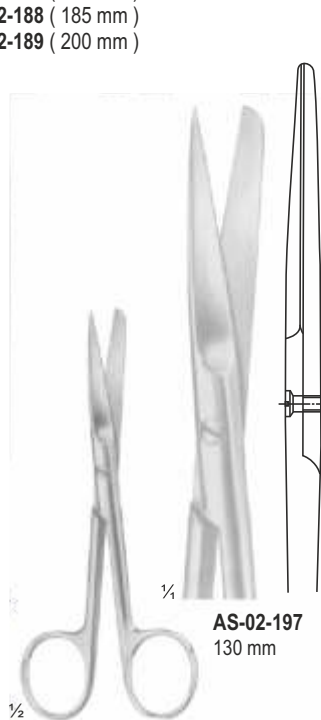
AS-02-190 - AS-02-195 (Standard Types)

AS-02-190 (115 mm)
AS-02-191 (130 mm)
AS-02-192 (145 mm)
AS-02-193 (150 mm)
AS-02-194 (165 mm)
AS-02-195 (175 mm)
AS-02-196 (185 mm)

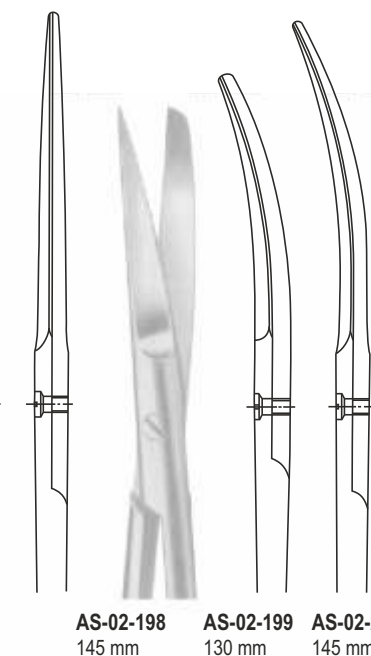


AS-02-190
115 mm

AS-02-196
185 mm



AS-02-197 - AS-02-200
Slender Types

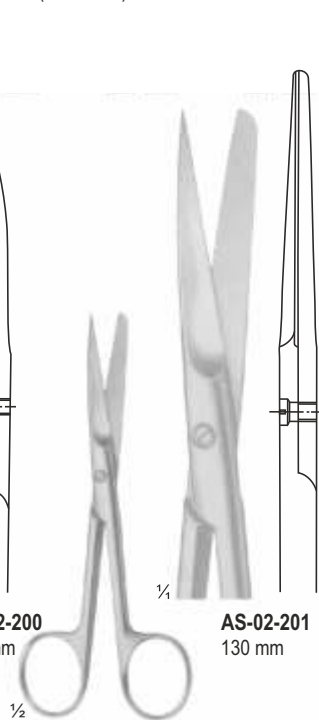


AS-02-197
130 mm

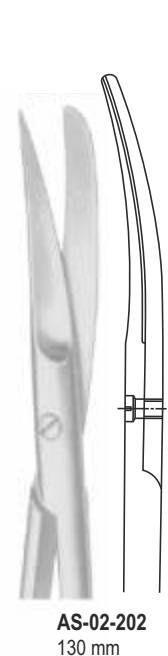
AS-02-198
145 mm

AS-02-199
130 mm

AS-02-200
145 mm

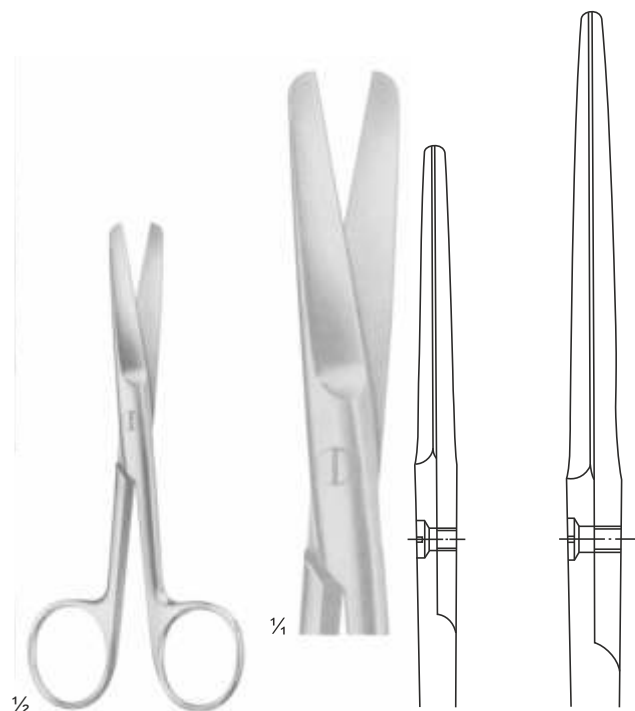


AS-02-201 - AS-02-202
For Wound Edges
1 Blade Serrated



AS-02-201
130 mm

AS-02-202
130 mm

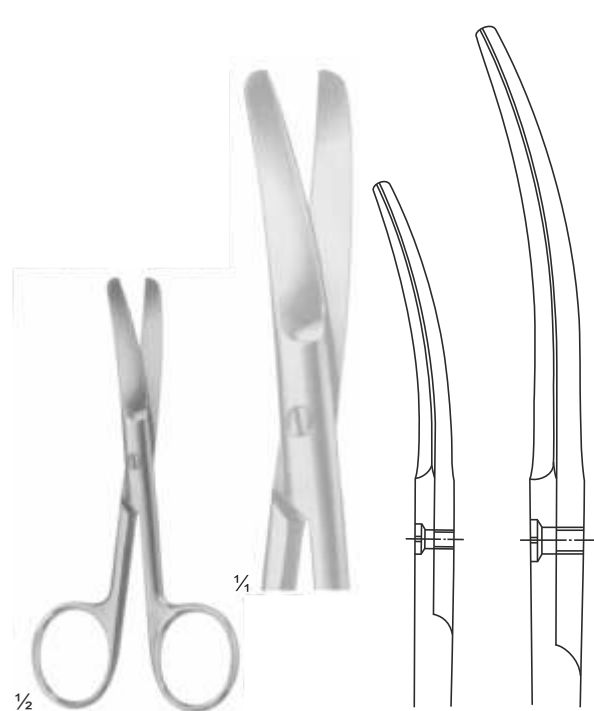


AS-02-203 - AS-02-207 (Standard Types)

AS-02-203 (130 mm)
AS-02-204 (145 mm)
AS-02-205 (150 mm)
AS-02-206 (165 mm)
AS-02-207 (175 mm)

AS-02-203
130 mm

AS-02-207
175 mm



AS-02-208 - AS-02-213 - COOPER

Standard Types
AS-02-208 (115 mm)
AS-02-209 (130 mm)
AS-02-210 (145 mm)
AS-02-211 (150 mm)
AS-02-212 (165 mm)
AS-02-213 (175 mm)

AS-02-208
115 mm

AS-02-213
175 mm

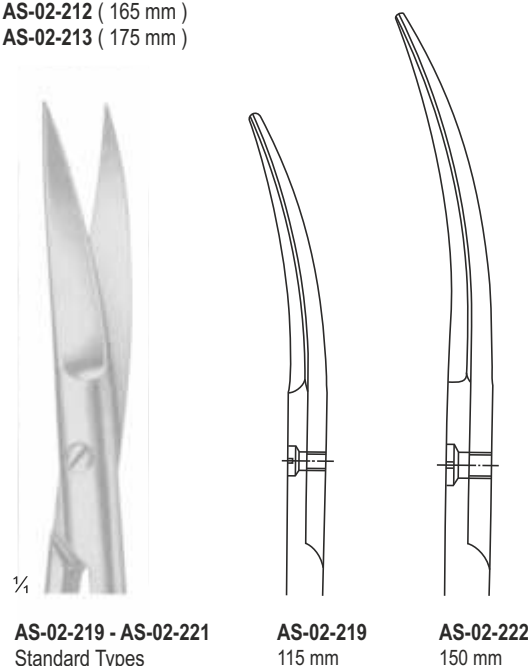


AS-02-214 - AS-02-218

Standard Types
AS-02-214 (115 mm)
AS-02-215 (130 mm)
AS-02-216 (145 mm)
AS-02-217 (150 mm)
AS-02-218 (165 mm)

AS-02-214
115 mm

AS-02-218
165 mm

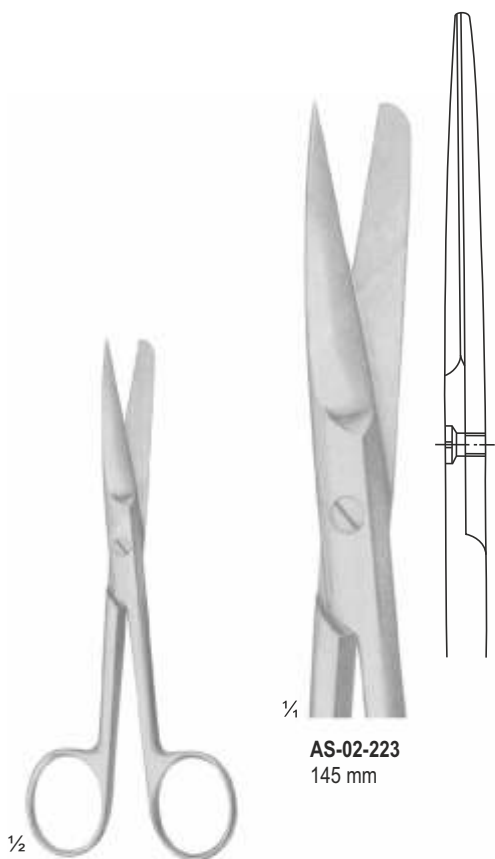


AS-02-219 - AS-02-221

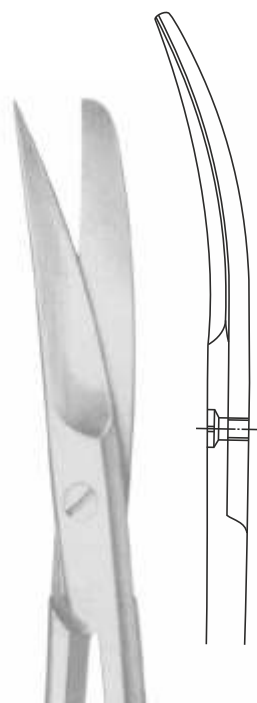
Standard Types
AS-02-219 (115 mm)
AS-02-220 (130 mm)
AS-02-221 (145 mm)
AS-02-222 (150 mm)

AS-02-219
115 mm

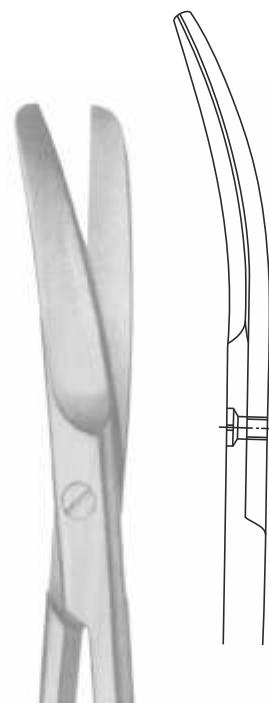
AS-02-222
150 mm



AS-02-223
145 mm

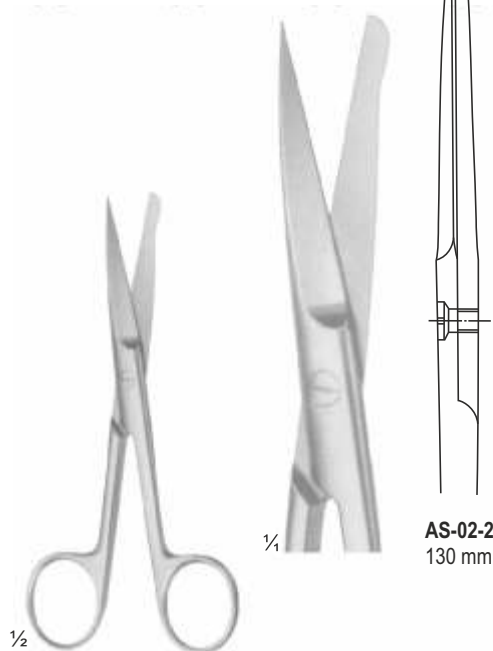


AS-02-224
145 mm

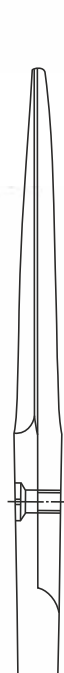


AS-02-225
145 mm

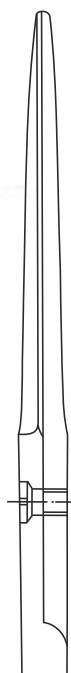
AS-02-223 - AS-02-225
DEAVER
With flat lock



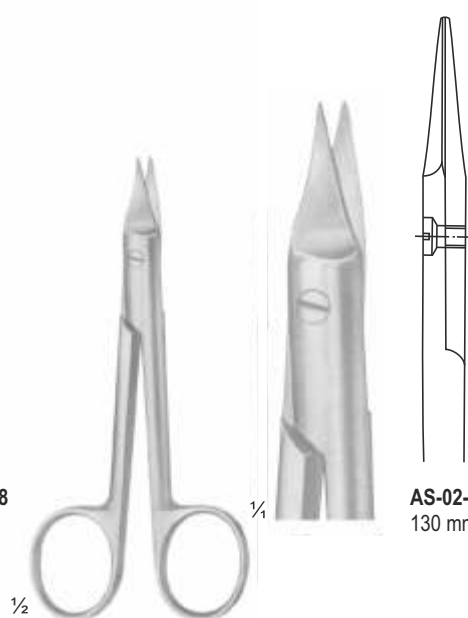
AS-02-226
130 mm



AS-02-227
145 mm



AS-02-228
165 mm



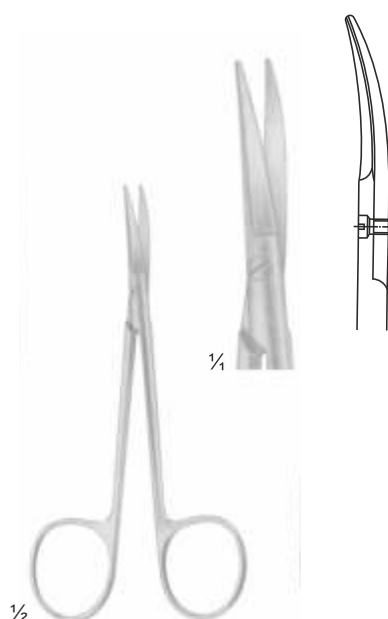
AS-02-229
130 mm

AS-02-226 - AS-02-228
Incision Scissors

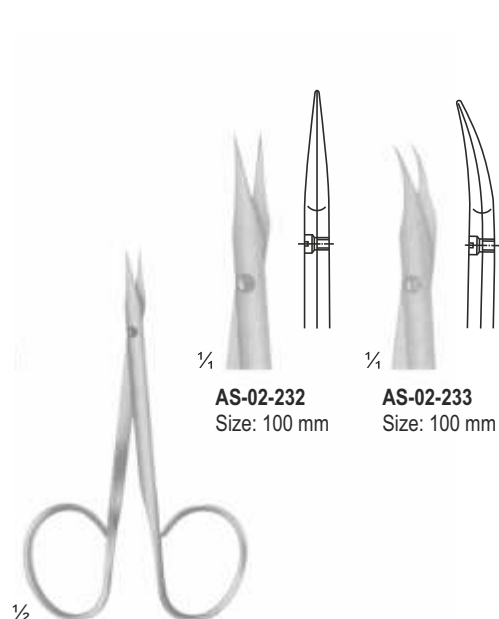
AS-02-229
SYSTRUNK
Nail Splitting Scissors



AS-02-230
LITTLER
Dissecting Scissors
Tips with eye for suture
115 mm

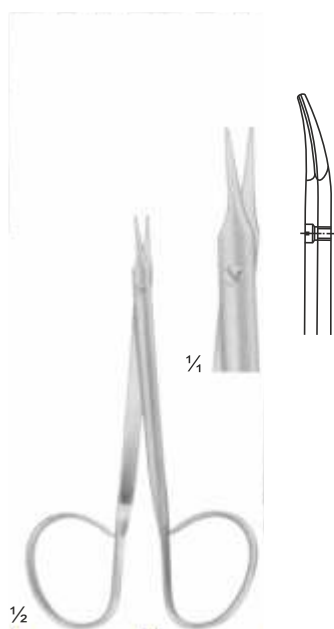


AS-02-231
COTTLE
Bulldog Scissors
115 mm

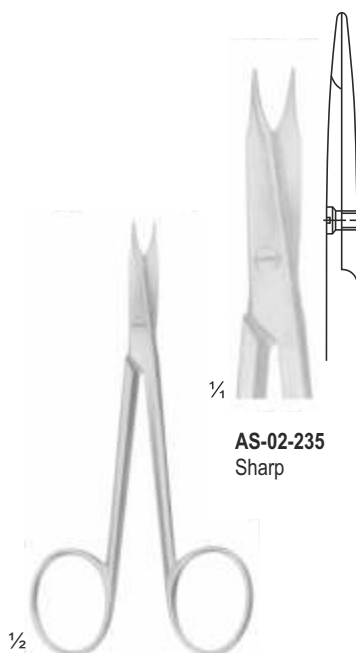


AS-02-232
Size: 100 mm

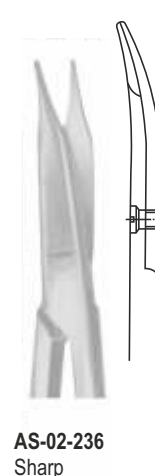
AS-02-233
Size: 100 mm



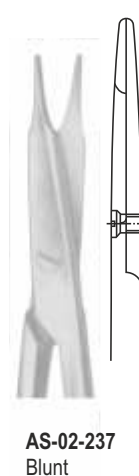
AS-02-234
STEVENS
Fine Dissecting Scissors
110 mm



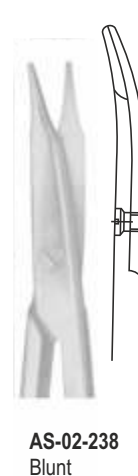
AS-02-235 - AS-02-238
STEVENS
Vessel and tendon Scissors
110 mm



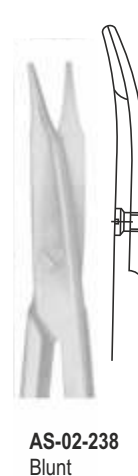
AS-02-235
Sharp



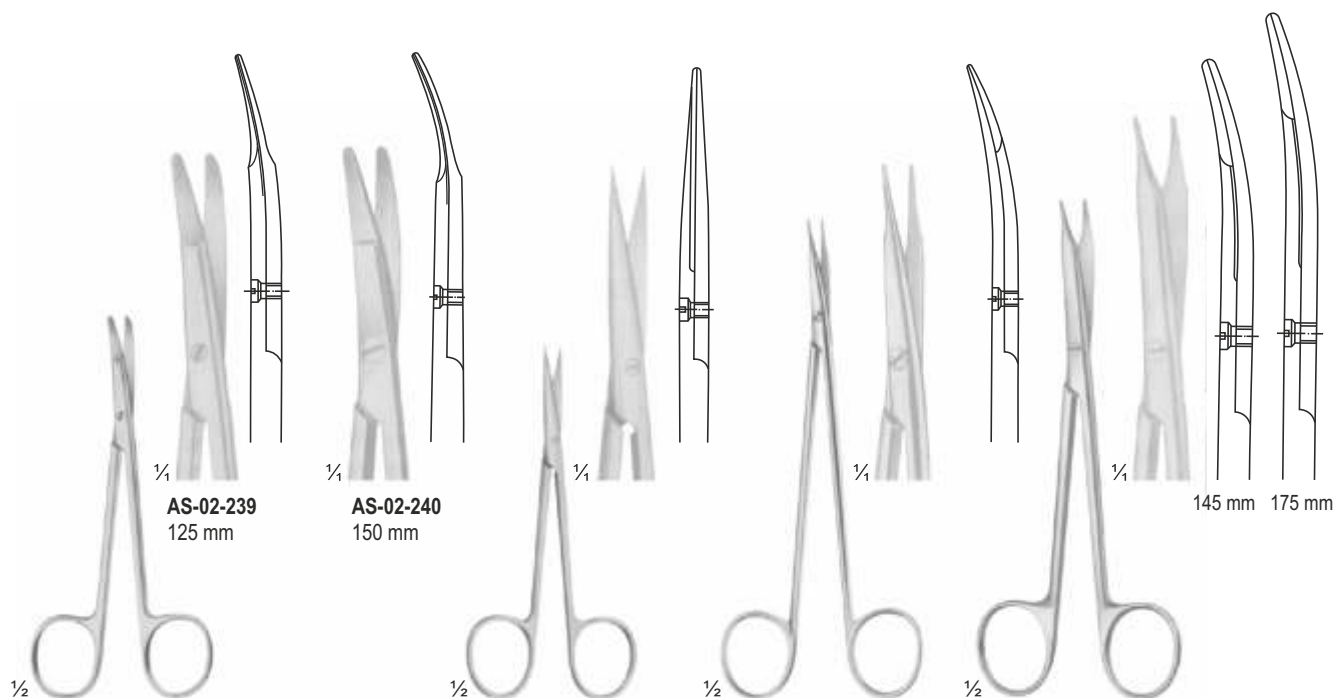
AS-02-236
Sharp



AS-02-237
Blunt



AS-02-238
Blunt

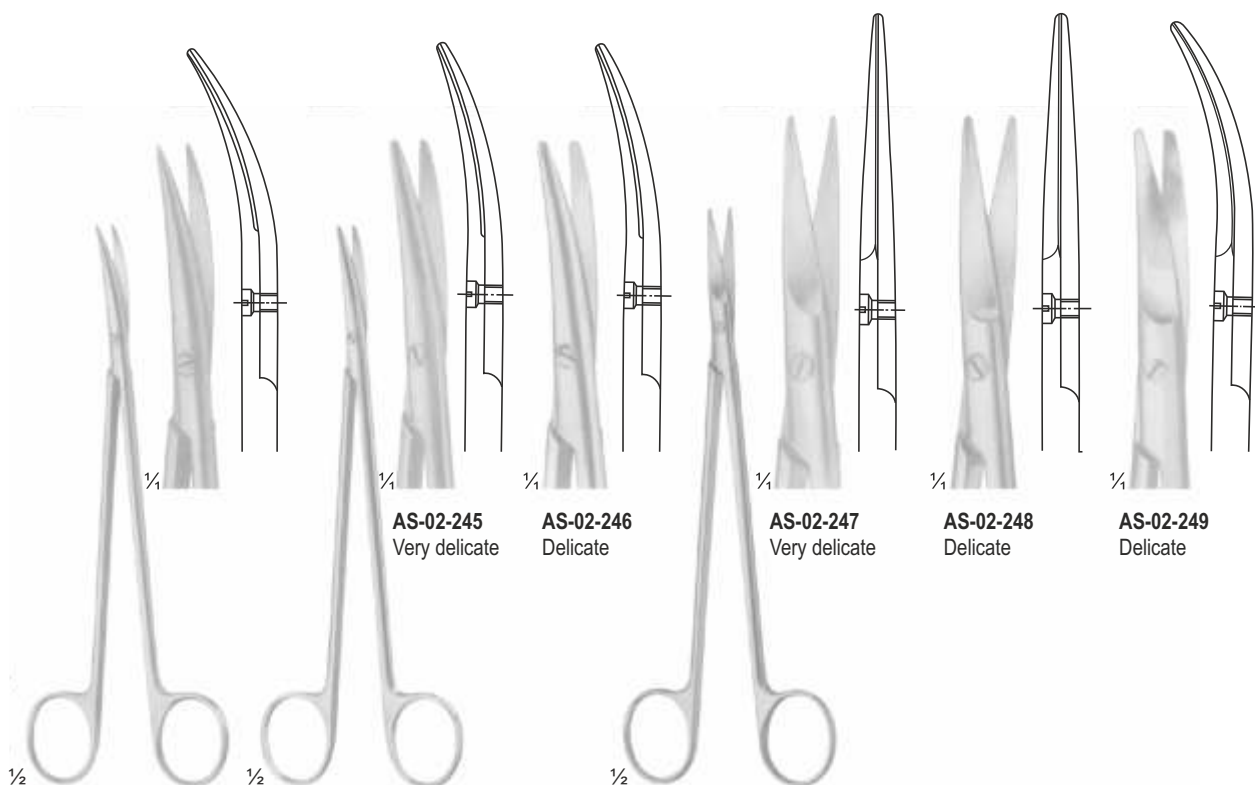


AS-02-239 - AS-02-240
KILNER
Special flat points for dissecting
and undermining the skin

AS-02-241
KILNER
Fine dissecting scissors
115 mm

AS-02-242
JAMESON
Dissecting scissors
150 mm

AS-02-243
REYNOLDS
Dissecting scissors
145 - 175 mm



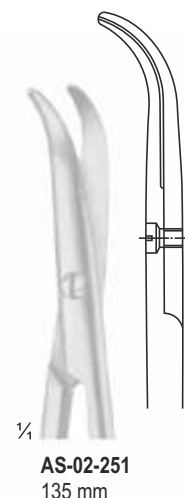
AS-02-244
DE BAKEY
Ateriotomy scissors
175 mm

AS-02-245 - AS-02-246
TOENNIS ADSON
Dissecting scissors
175 mm

AS-02-247 - AS-02-249
TOENNIS
Dissecting scissors
150 mm



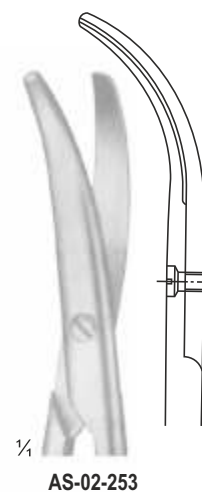
AS-02-250
115 mm



AS-02-251
135 mm

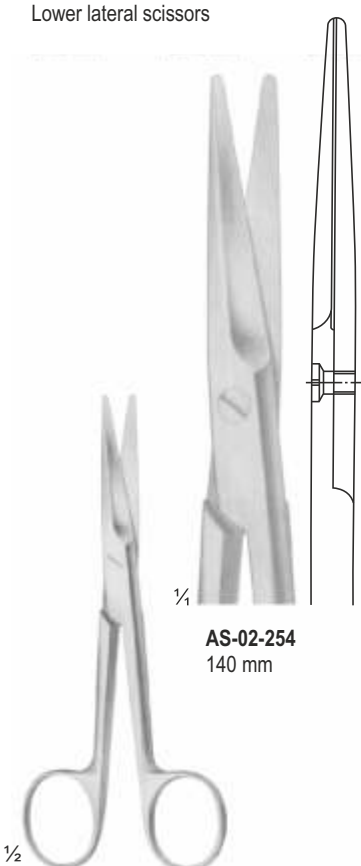


AS-02-252

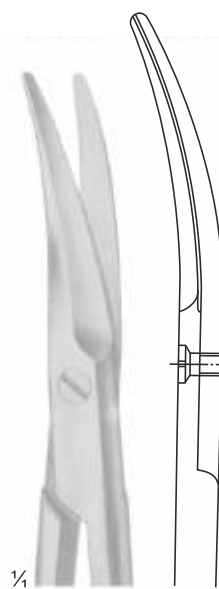


AS-02-253

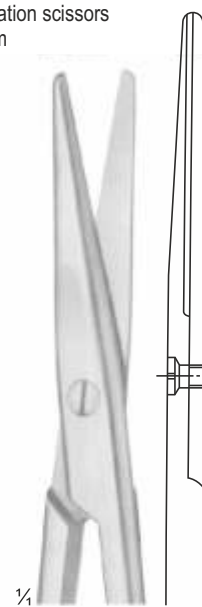
AS-02-252 - AS-02-253
LANDOLT
Enucleation scissors
120 mm



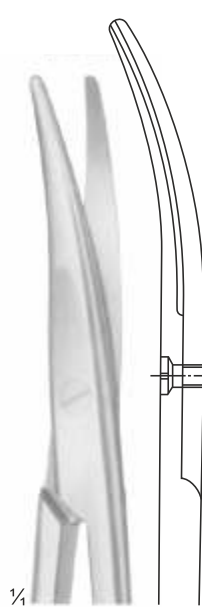
AS-02-254
140 mm



AS-02-257 - AS-02-259
MAYO
AS-02-257 (140 mm)
AS-02-258 (155 mm)
AS-02-259 (170 mm)



AS-02-260
140 mm

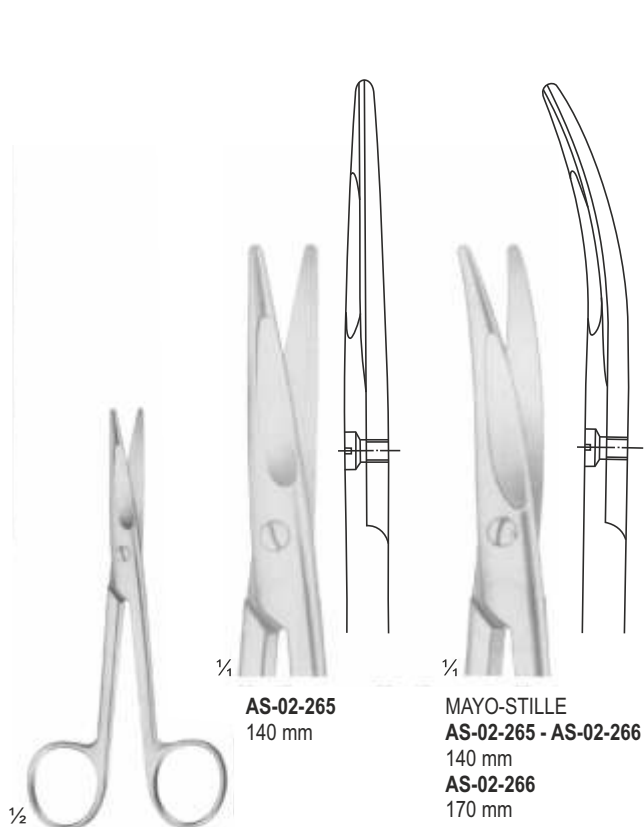


AS-02-263 - AS-02-264
MAYO-STILLE
AS-02-263 (140 mm)
AS-02-264 (170 mm)

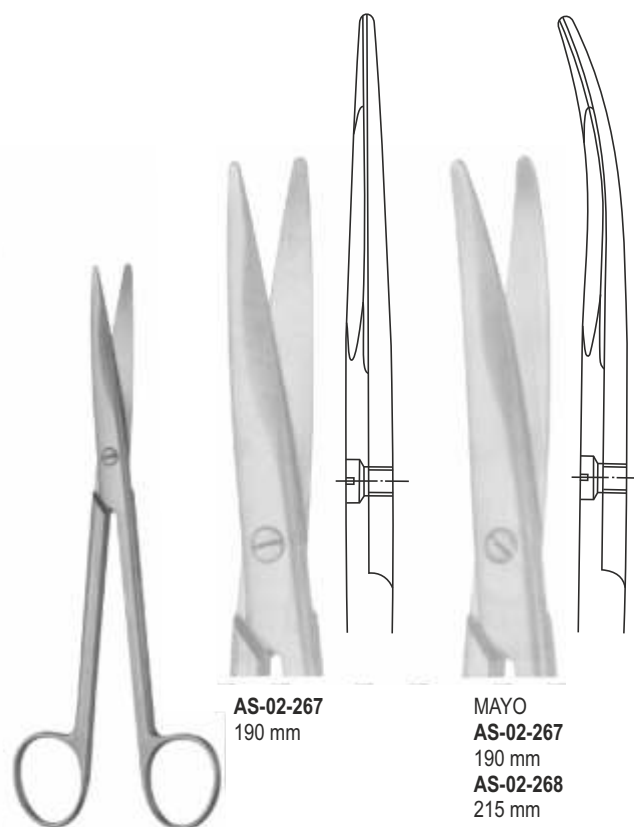


AS-02-260 - AS-02-262
MAYO-STILLE
AS-02-261 (140 mm)
AS-02-262 (170 mm)

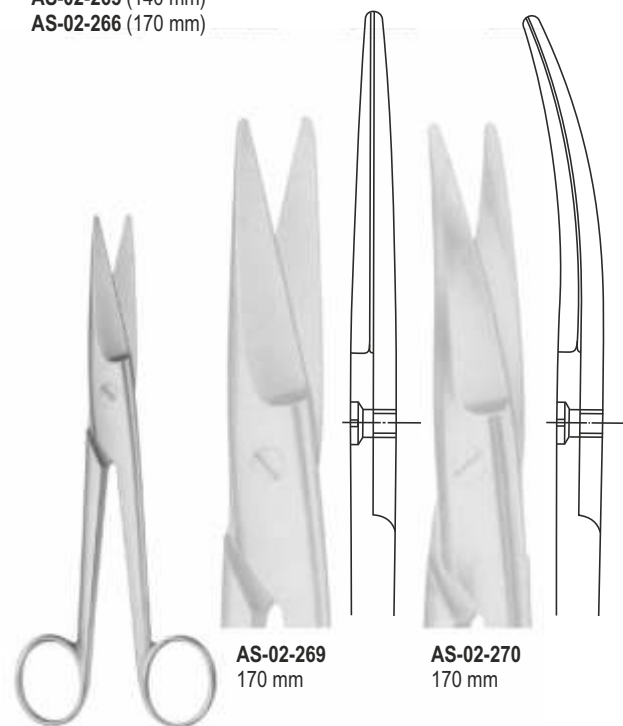
AS-02-254 - AS-02-256
MAYO
AS-02-254 (140 mm)
AS-02-255 (155 mm)
AS-02-256 (170 mm)



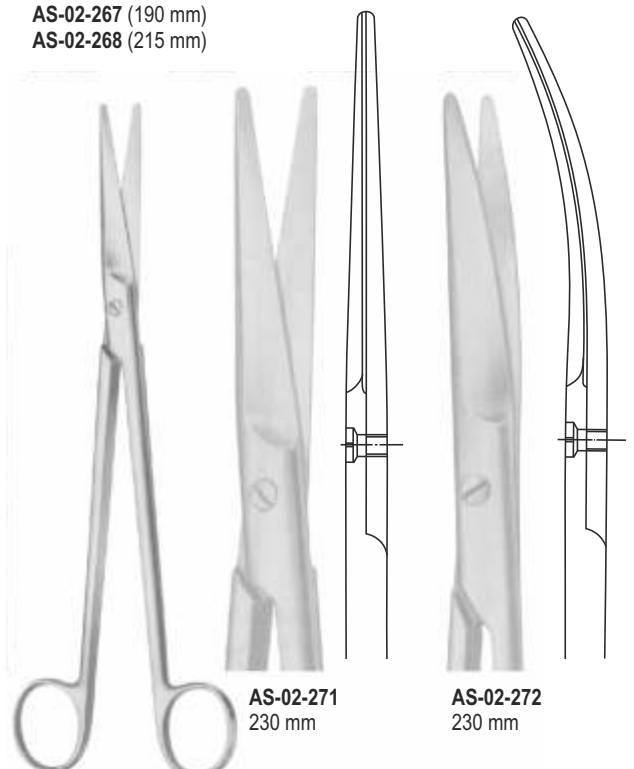
AS-02-265 - AS-02-266
MAYO-STILLE
With chamfered blades
AS-02-265 (140 mm)
AS-02-266 (170 mm)



MAYO
With chamfered blades
AS-02-267 (190 mm)
AS-02-268 (215 mm)



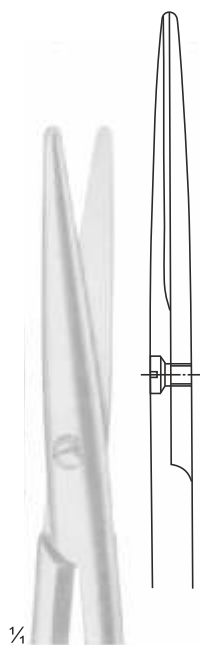
AS-02-269 - AS-02-270
MAYO-NOBLE
Broad pattern



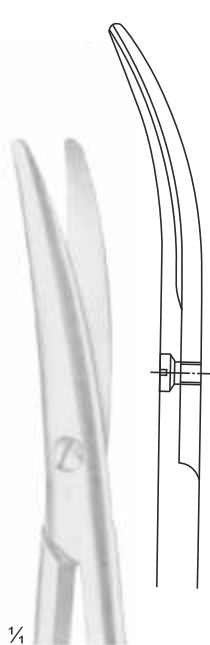
AS-02-271 - AS-02-272
MAYO-HARRINGTON



AS-02-273 - AS-02-274
STILLE
150 mm



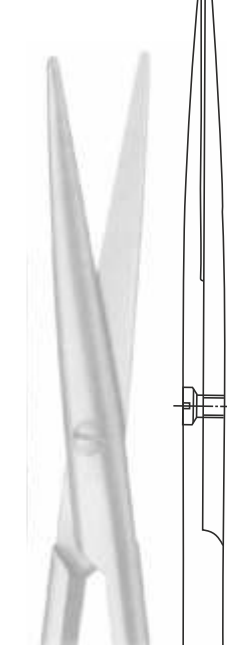
AS-02-273
150 mm



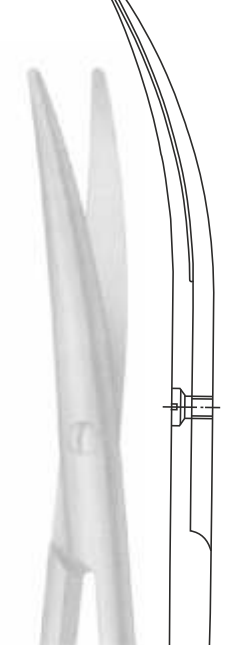
AS-02-274
150 mm



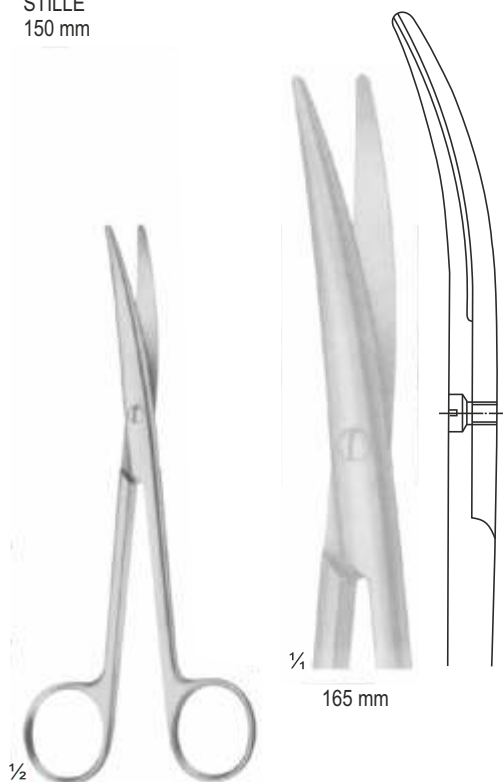
AS-02-275 - AS-02-276
LEXER
Narrow
165 mm



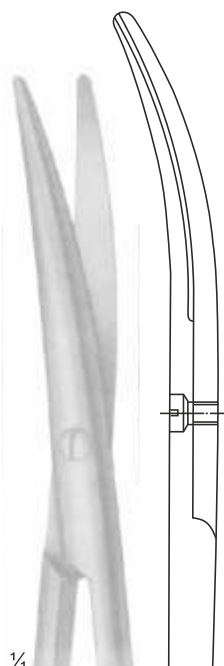
AS-02-275
165 mm



AS-02-276
165 mm



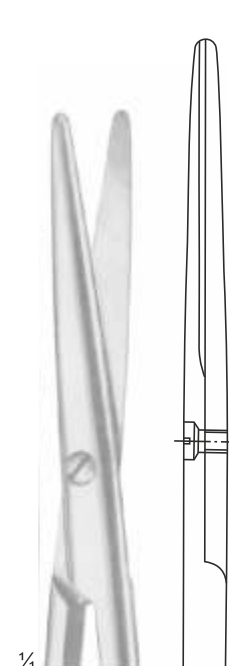
AS-02-277
MAYO-LEXER
Standard



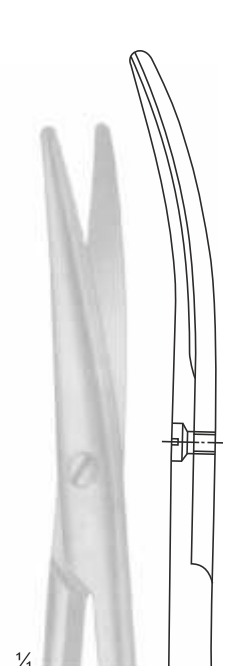
165 mm



AS-02-278 - AS-02-279
MAYO
AS-02-278 (165 mm)
AS-02-279 (200 mm)

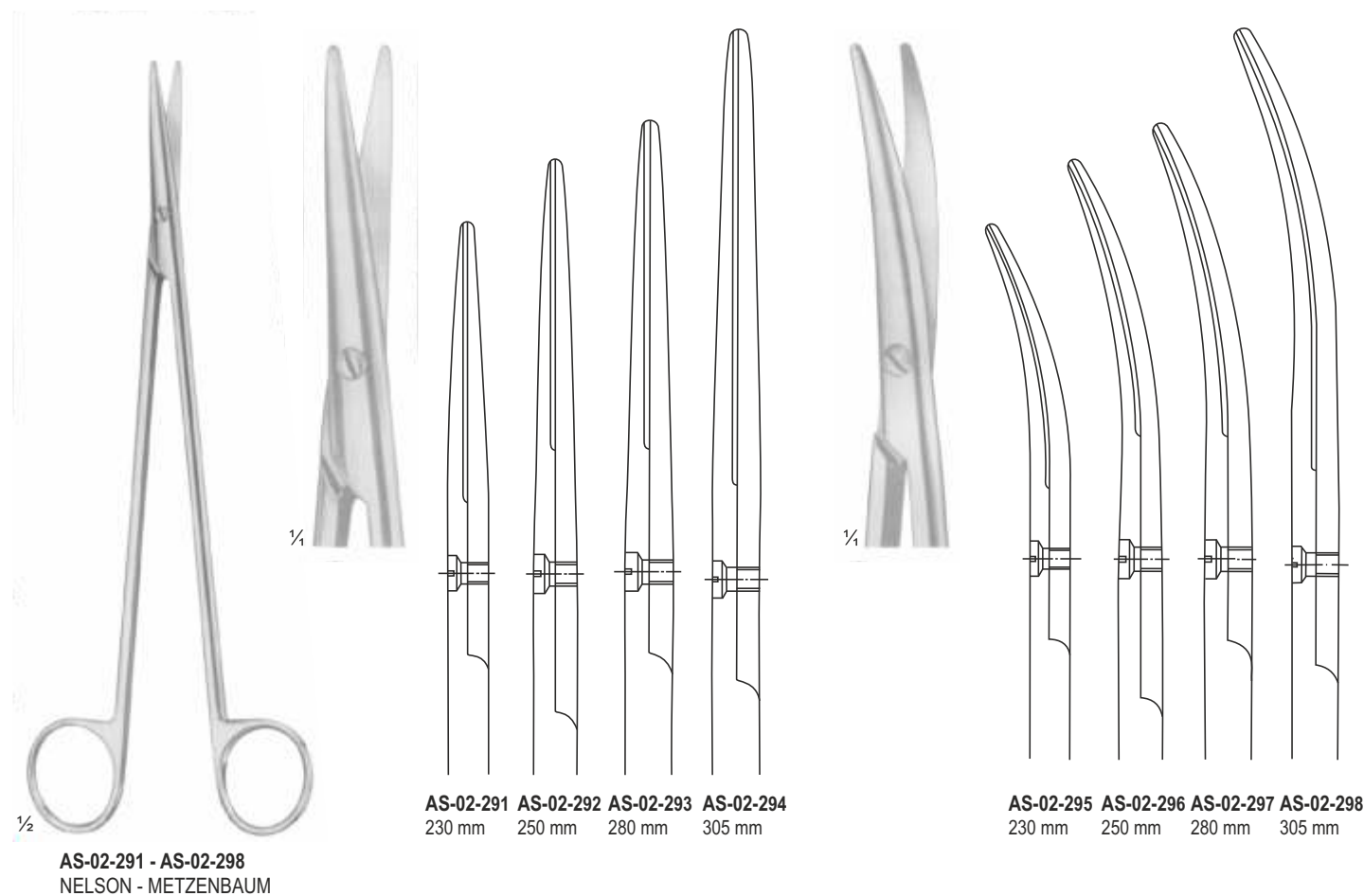
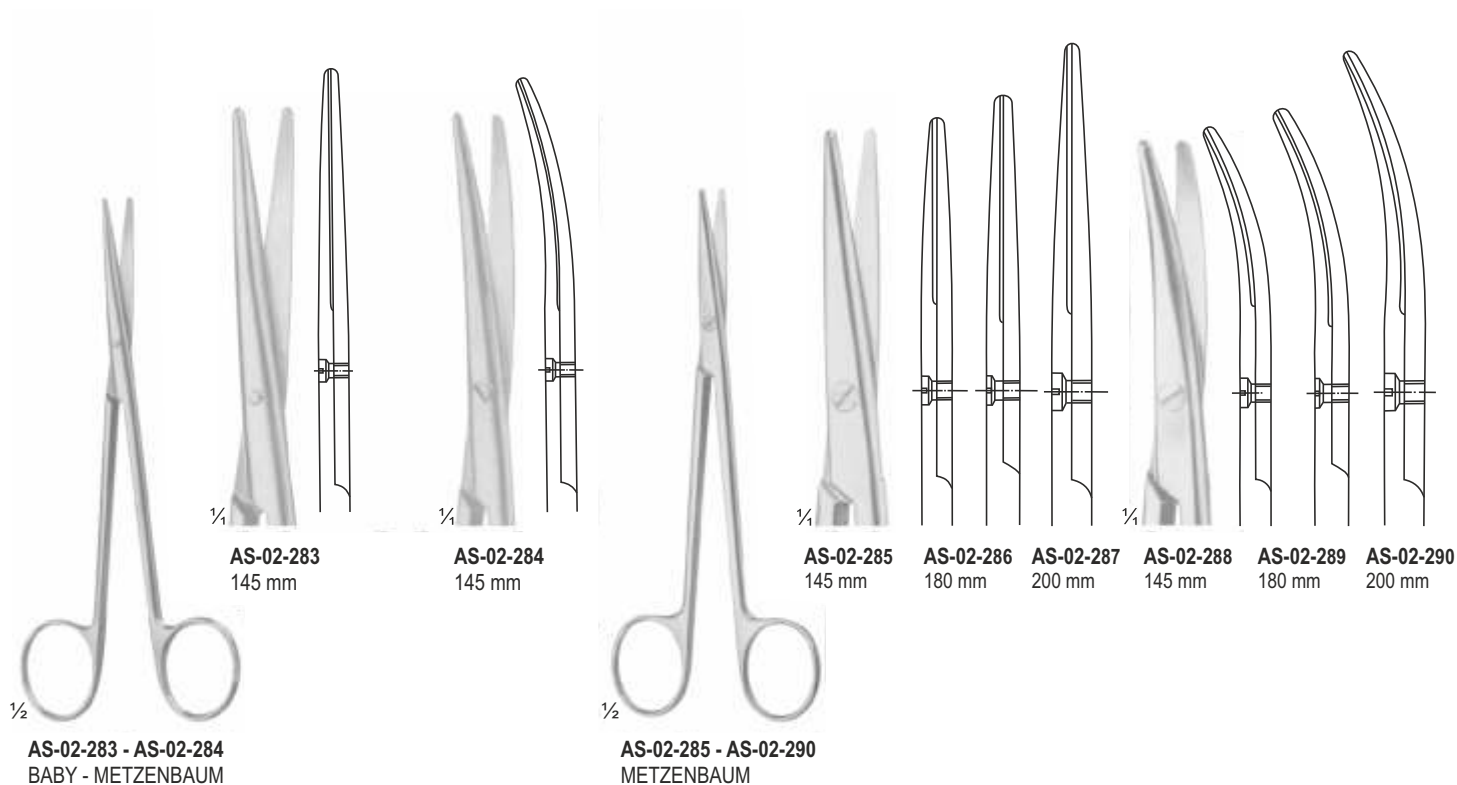


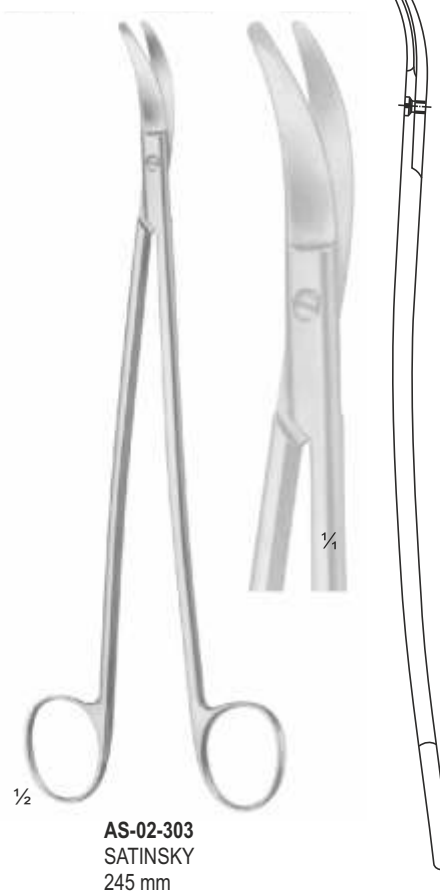
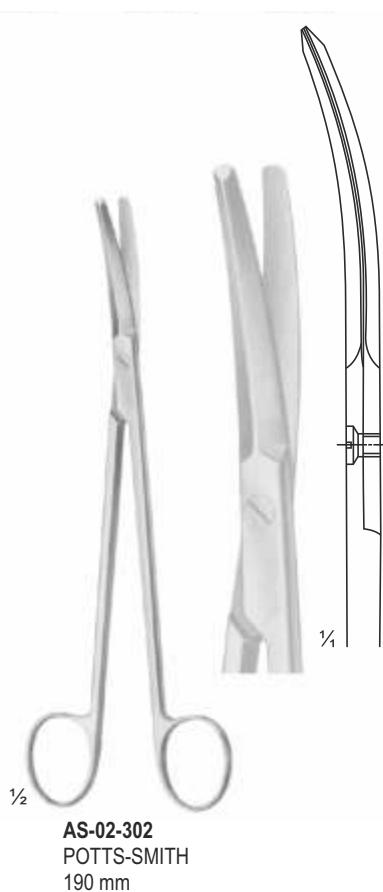
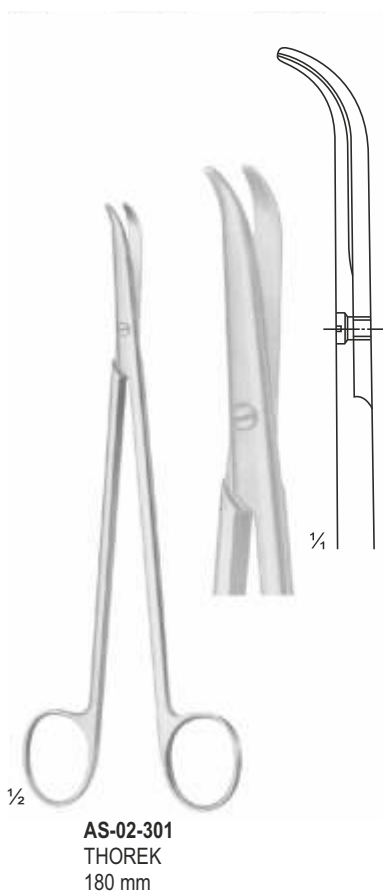
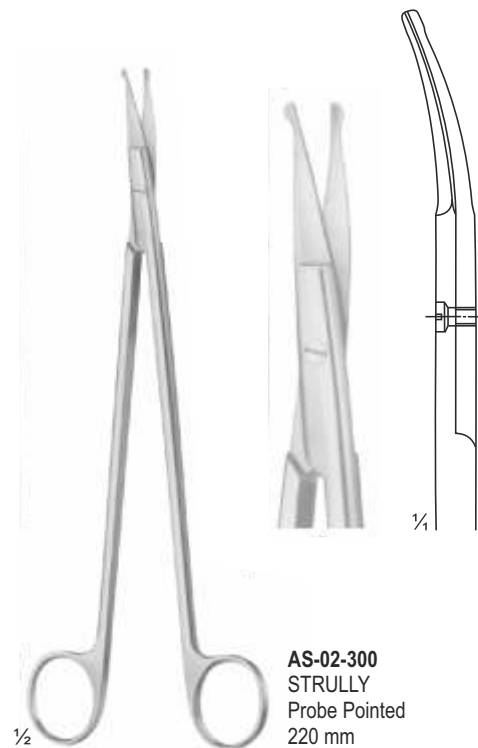
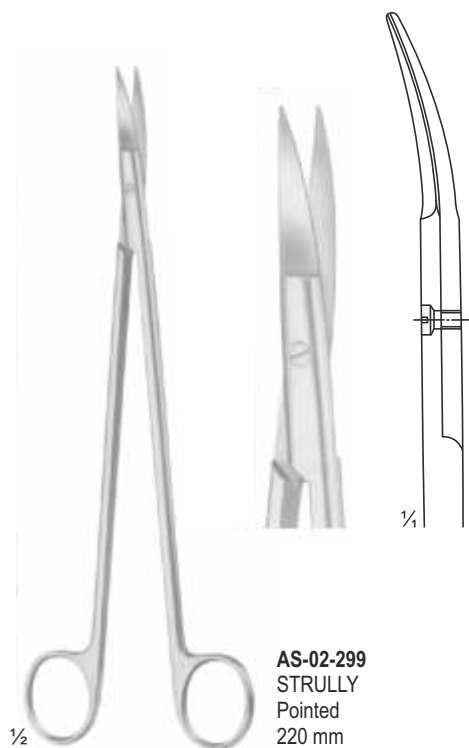
AS-02-278
165 mm

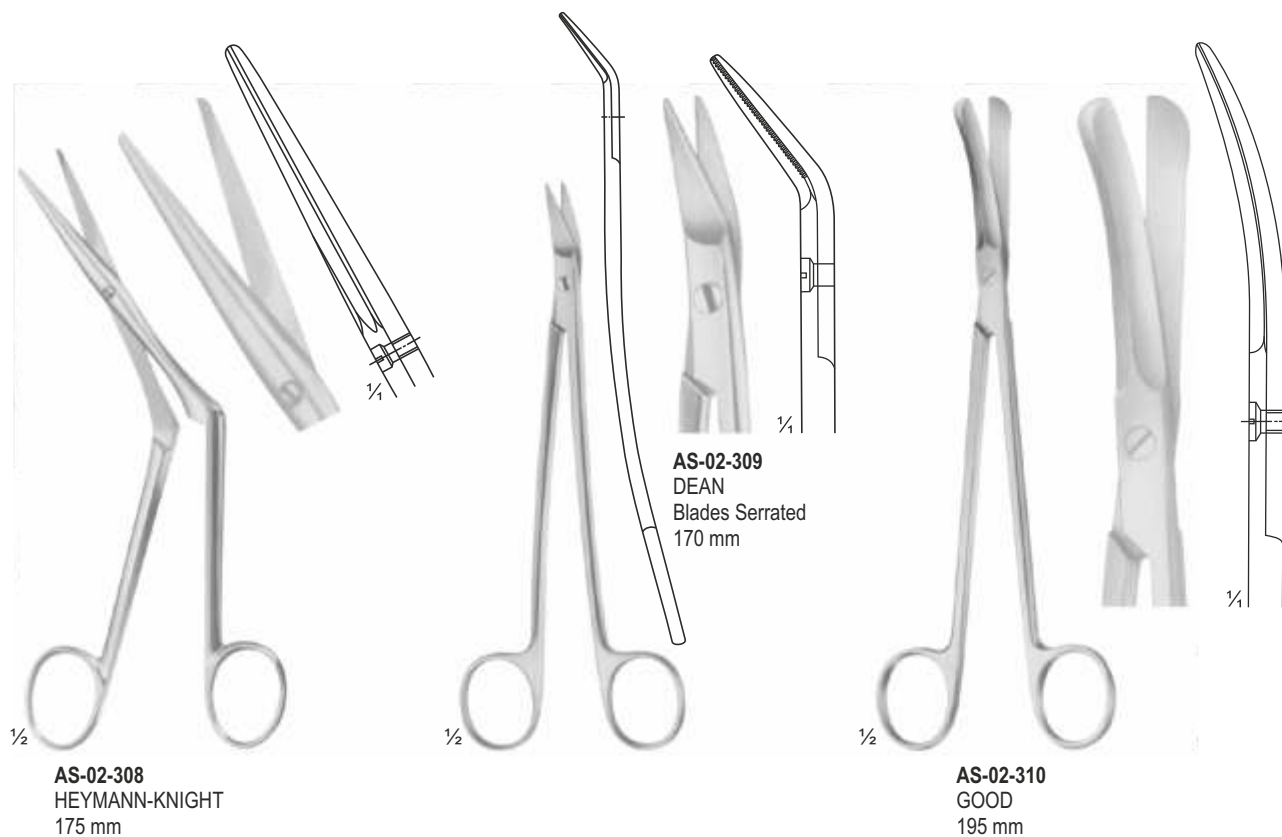
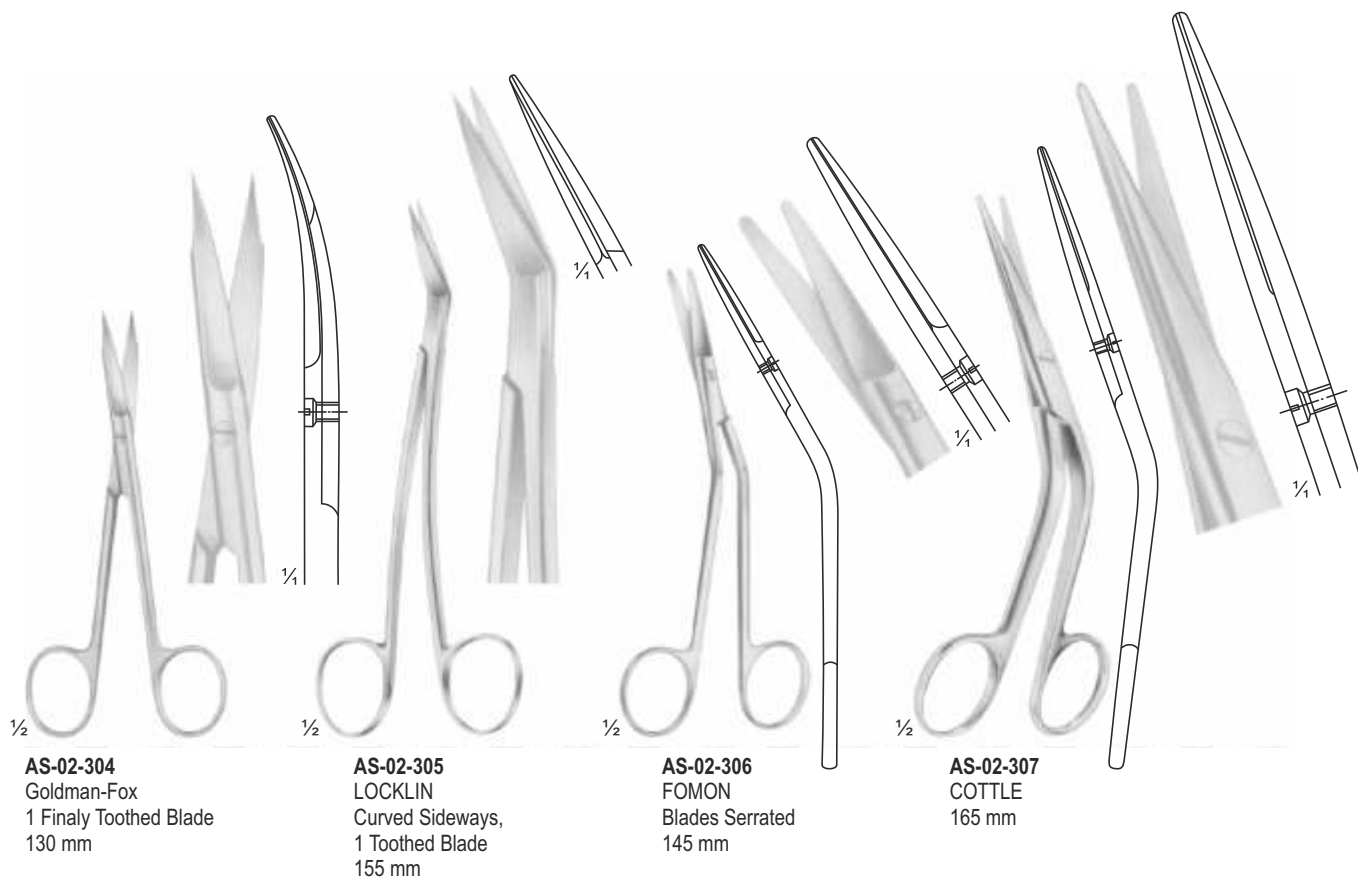


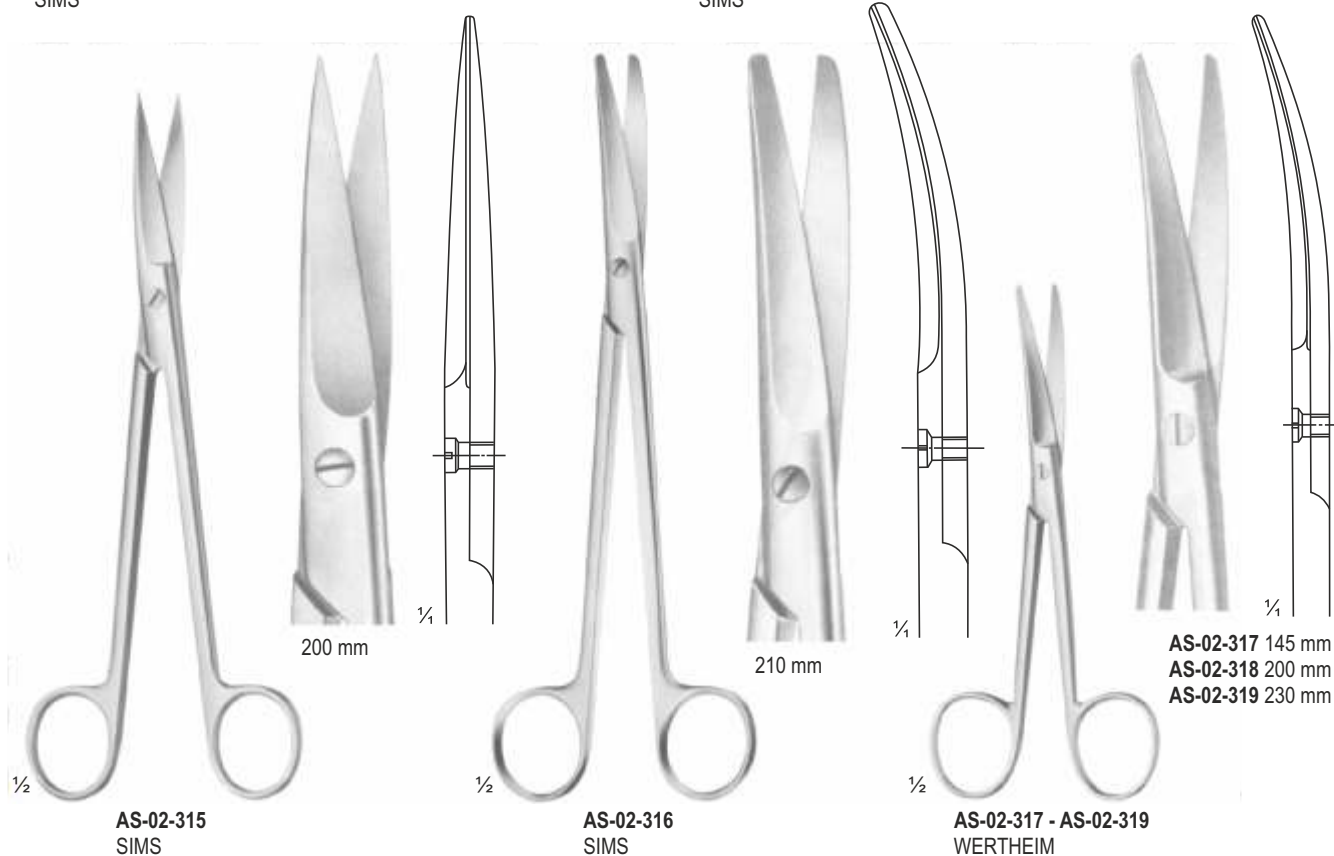
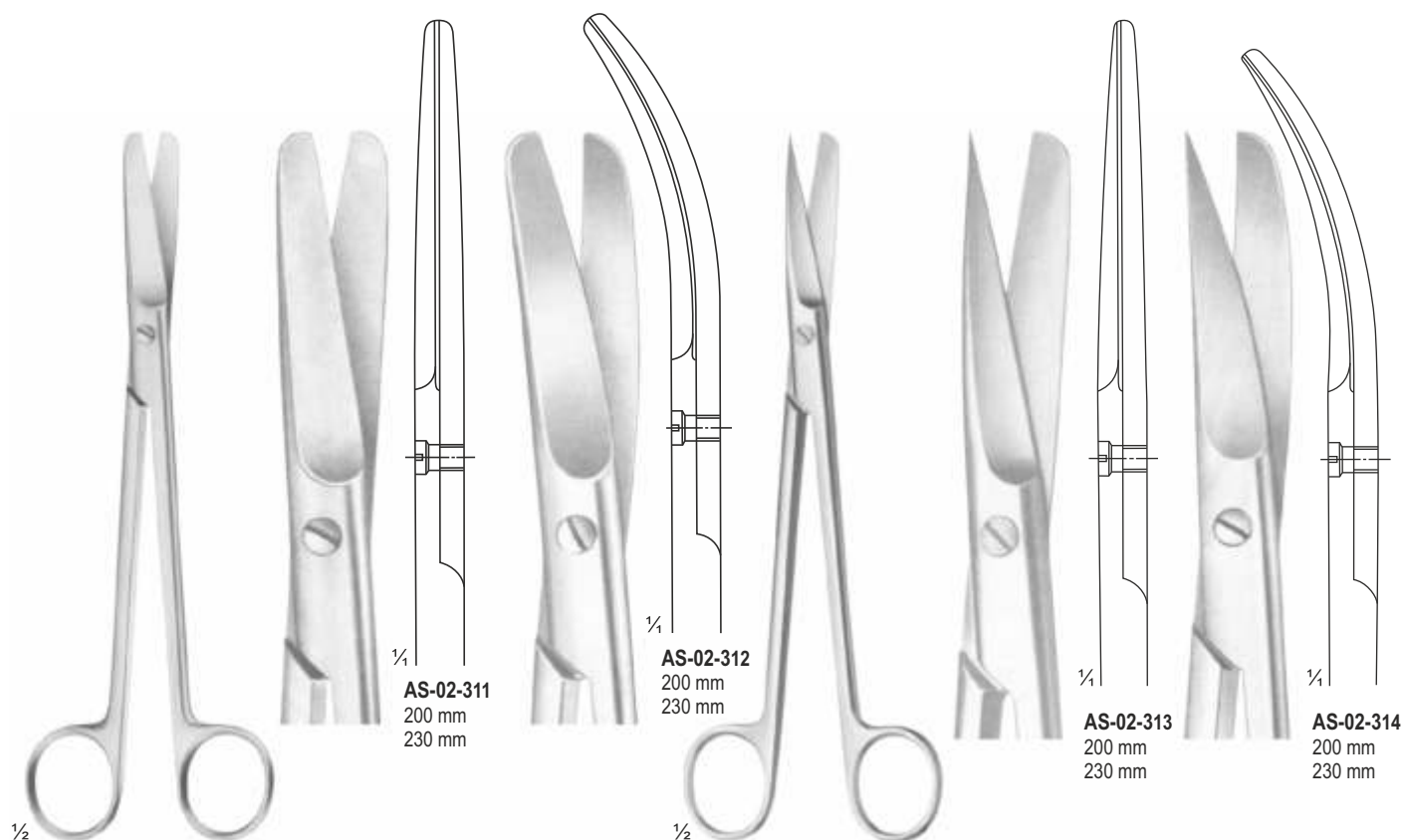
MAYO
AS-02-280 - AS-02-282
165 mm

AS-02-281
200 mm
AS-02-282
210 mm











1/2

AS-02-323
SCHUMACHER
Umbilical Cord Scissors
155 mm

1/4

1/2

AS-02-324
Umbilical Cord Scissors
105 mm

1/4

1/2

AS-02-325
Umbilical Cord Scissors

1/4

135 mm

1/2

AS-02-326 - AS-02-327
BRAUN-STADLER
Empisiotomy Scissors

1/4

AS-02-326
145 mm

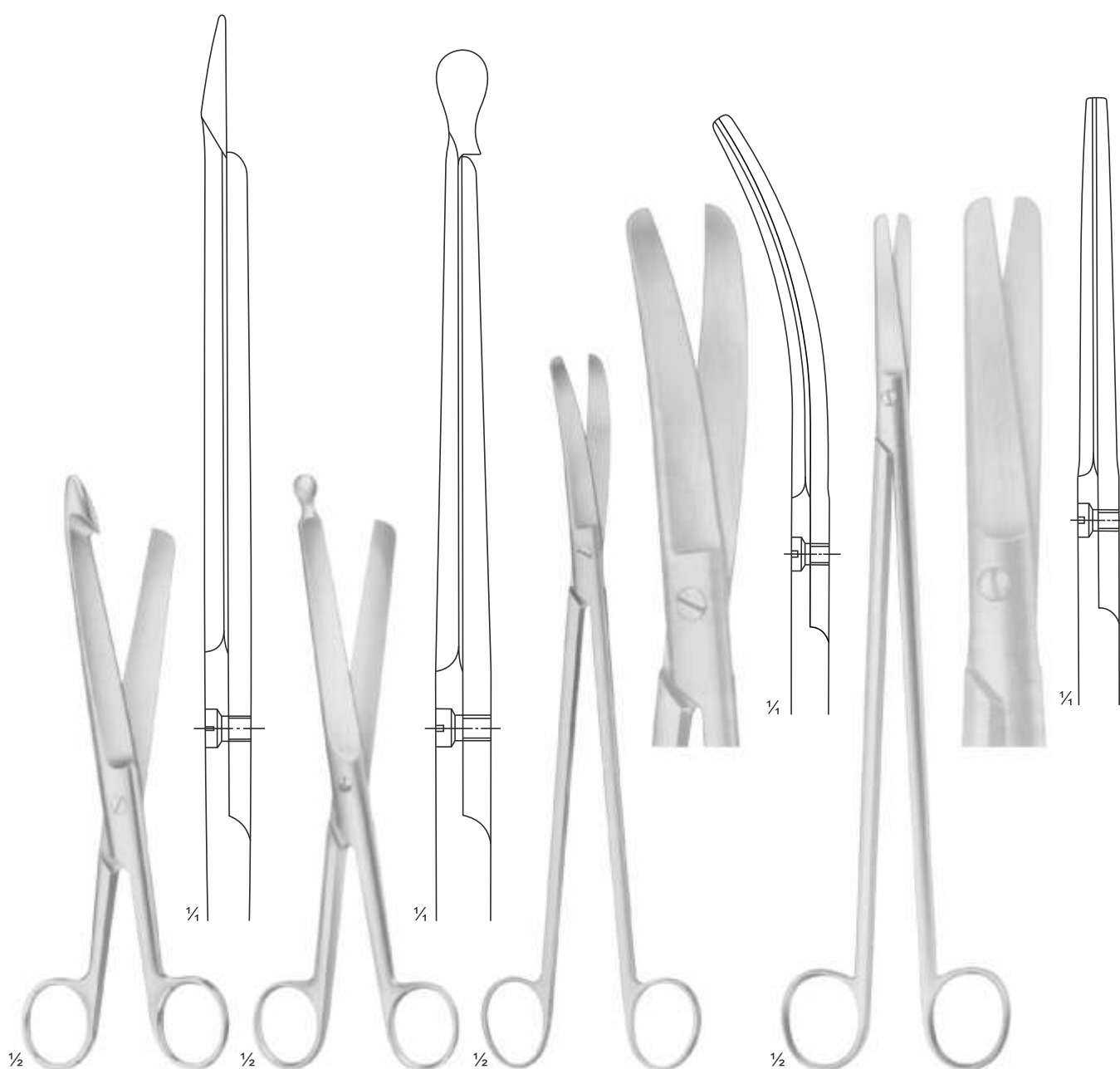
1/4

AS-02-327
200 mm

1/4

1/2

AS-02-328
DAMMSCHERE
Empisiotomy Scissors
240 mm

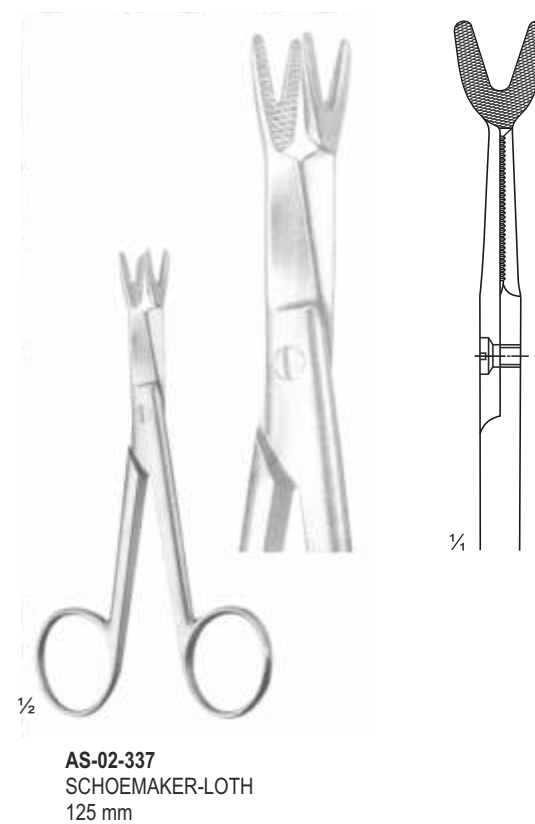
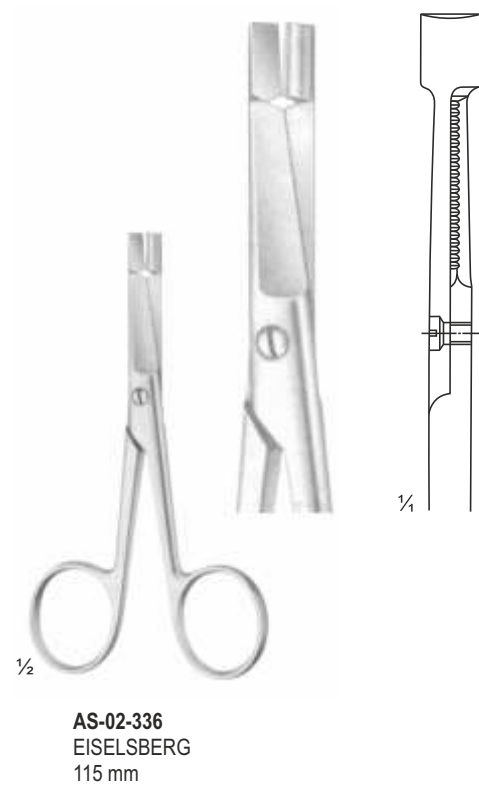
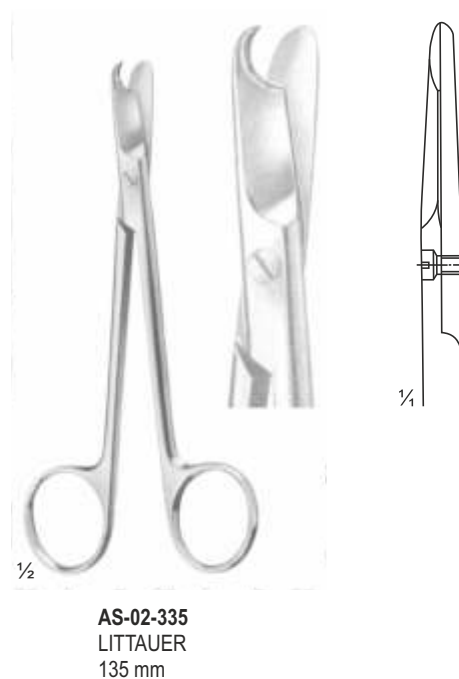


AS-02-329
DAMMSCHERE
Bowel Scissors
210 mm

AS-02-330
DAMMSCHERE
Bowel Scissors
210 mm

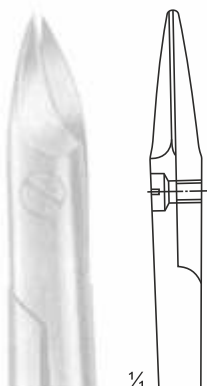
AS-02-331
LLOYD-DAVIES
(GOLIGHER'S)
Rectal Scissors
255 mm

AS-02-332
STELZNER
Rectal Scissors
310 mm

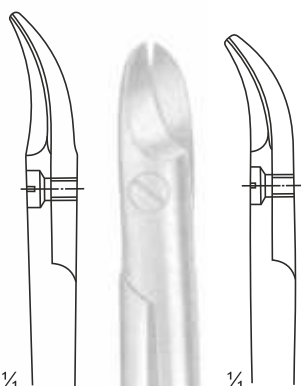




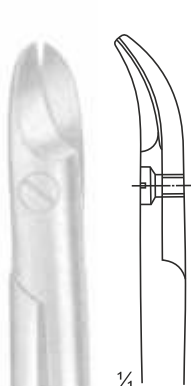
AS-02-338 - AS-02-342
BEEBE
110 mm



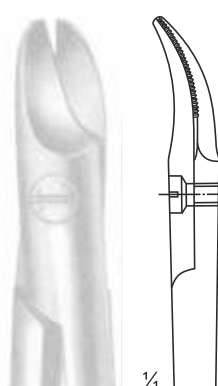
AS-02-338



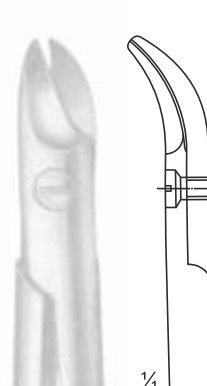
AS-02-339
Broad Blades



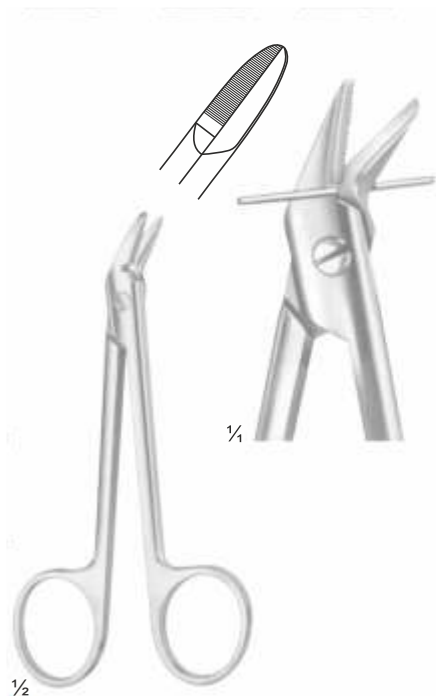
AS-02-340
Broad Blades



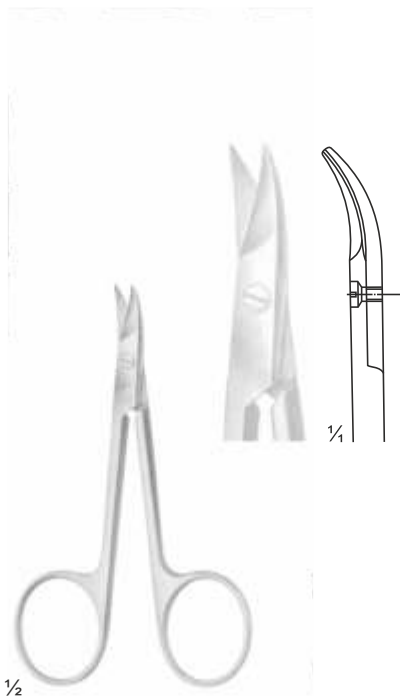
AS-02-341
1 Blade Serrated



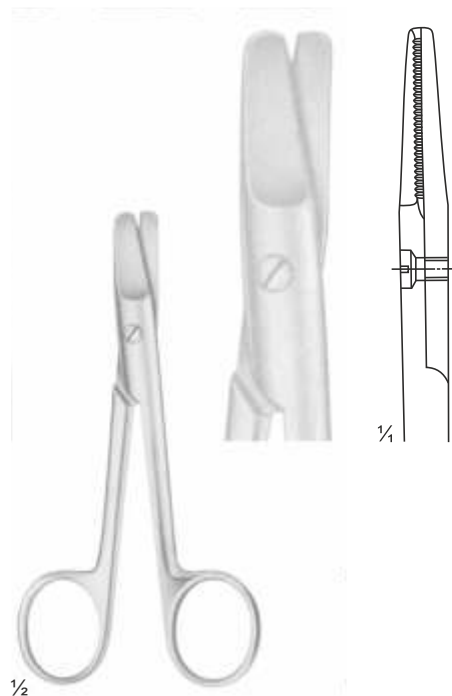
AS-02-342
NAUJOKS
Strongly Curved



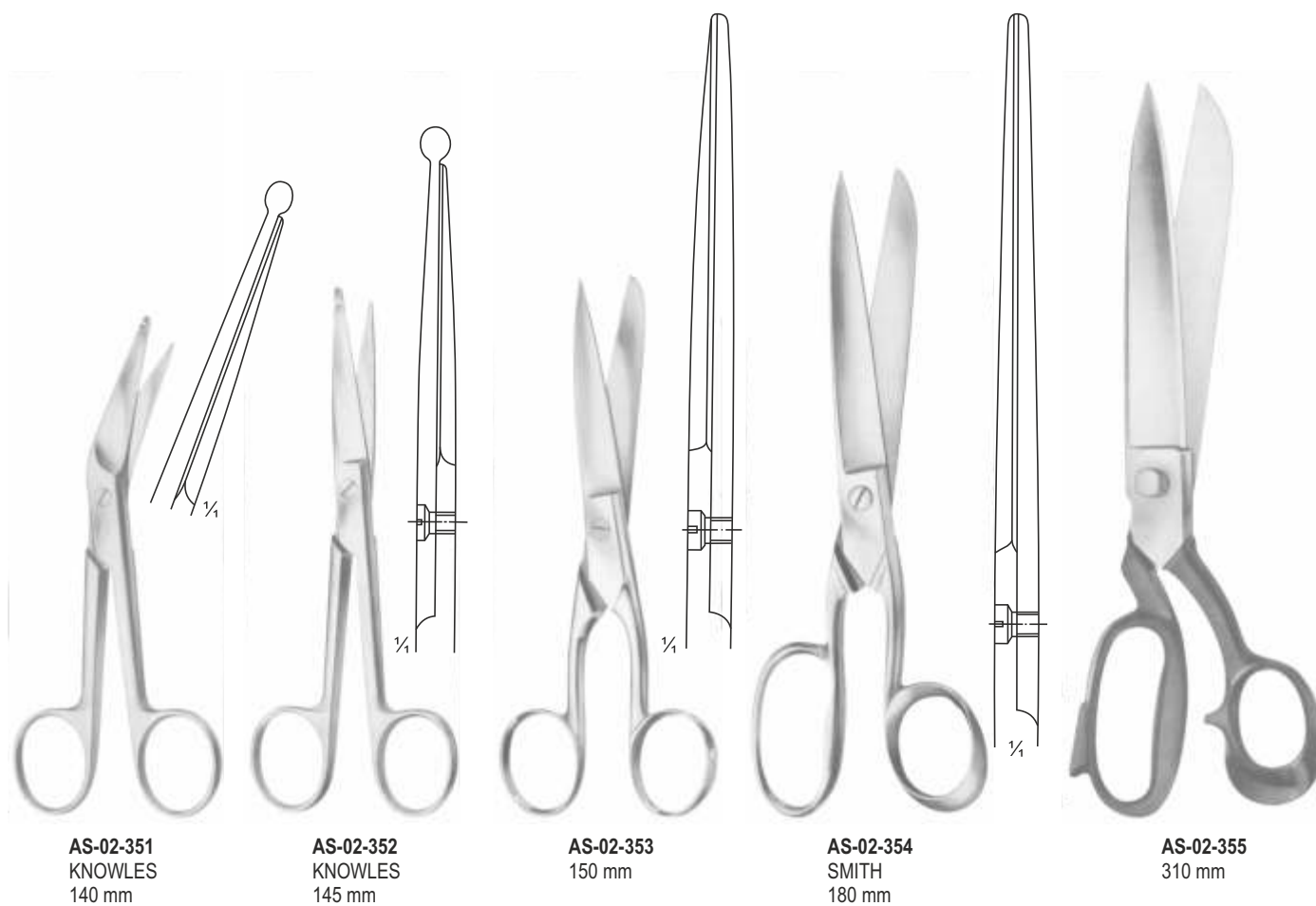
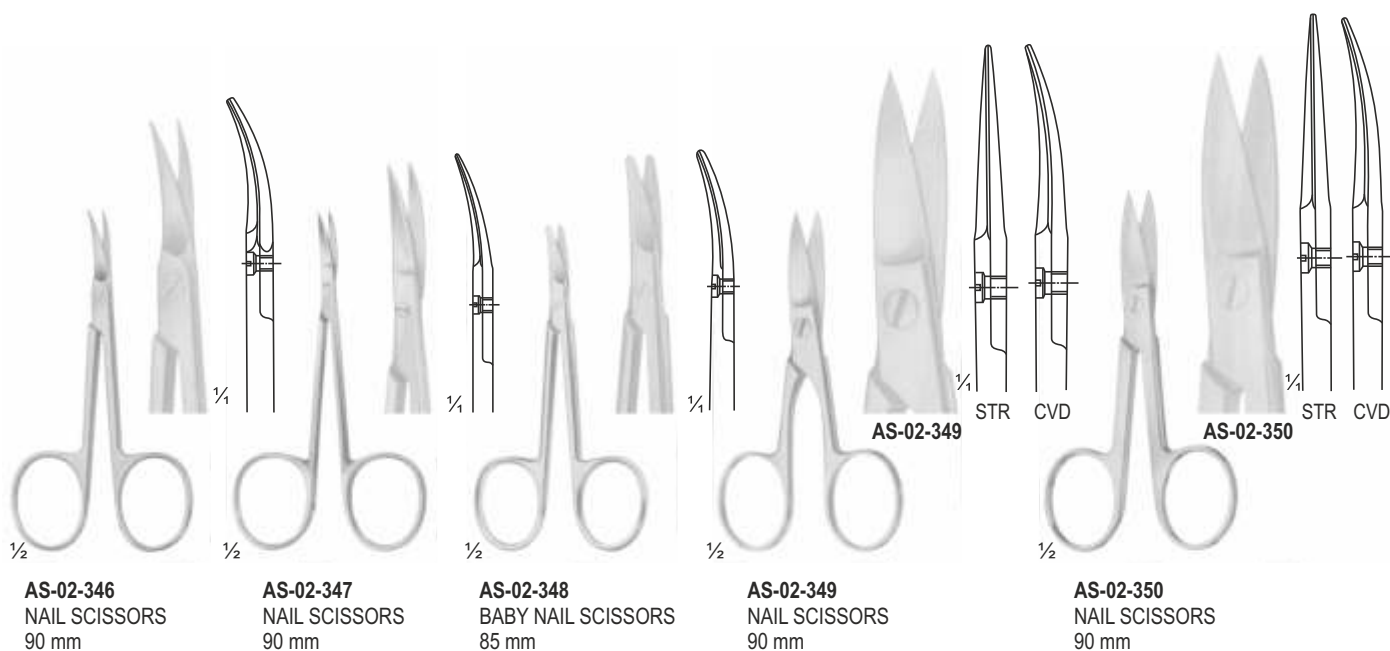
AS-02-343
1 Blade Serrated
120 mm



AS-02-344
STRACK
100 mm

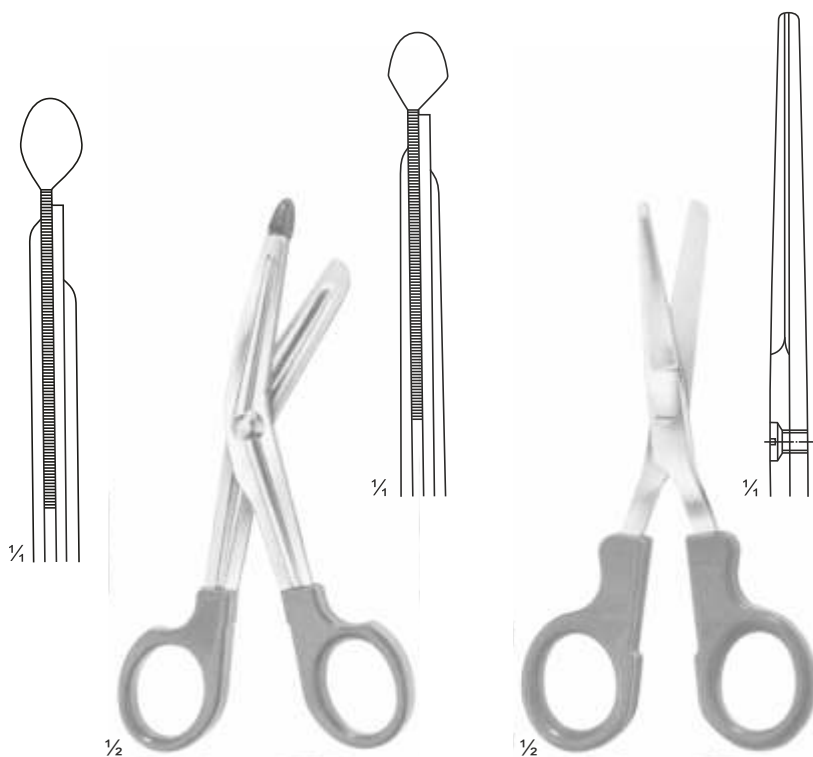


AS-02-345
HARVEY
125 mm



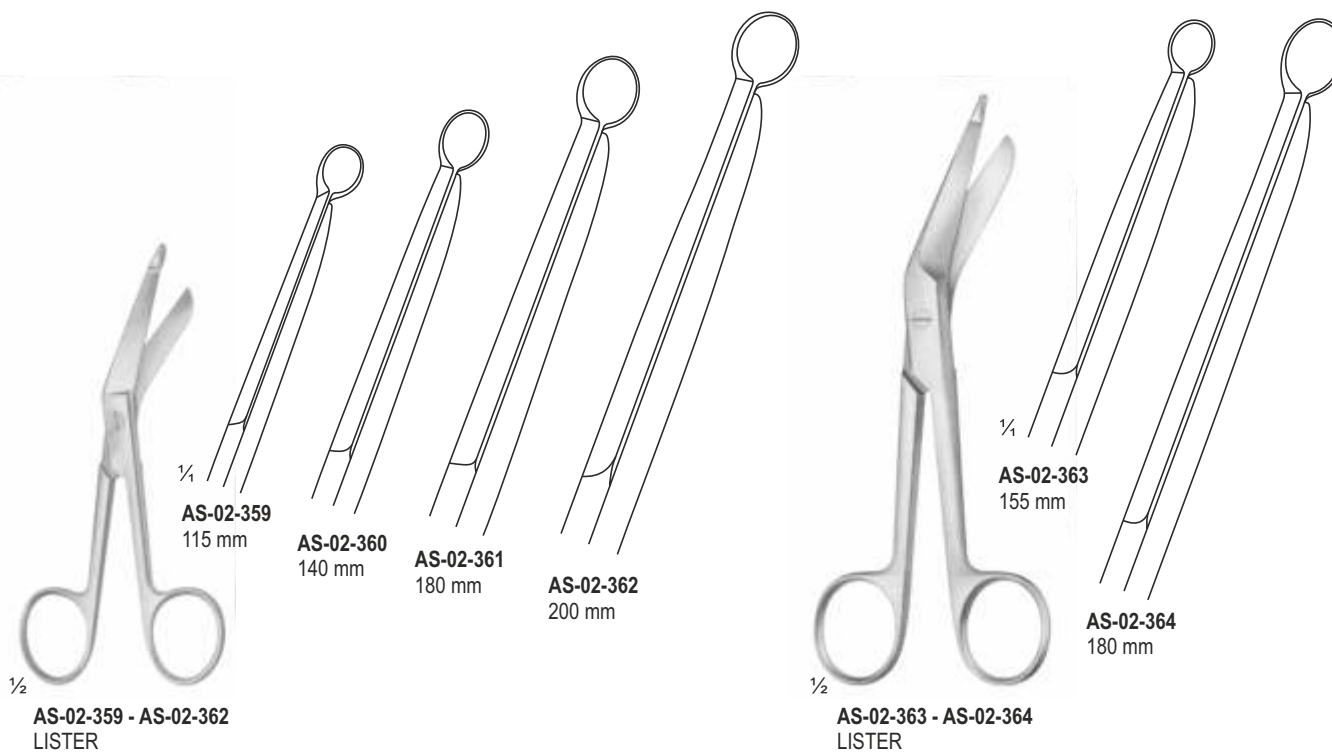
1/2

AS-02-356
UNIVERSAL AND BANDAGE SCISSORS
180 mm



AS-02-357
LISTER
145 mm

AS-02-358
LISTER
145 mm

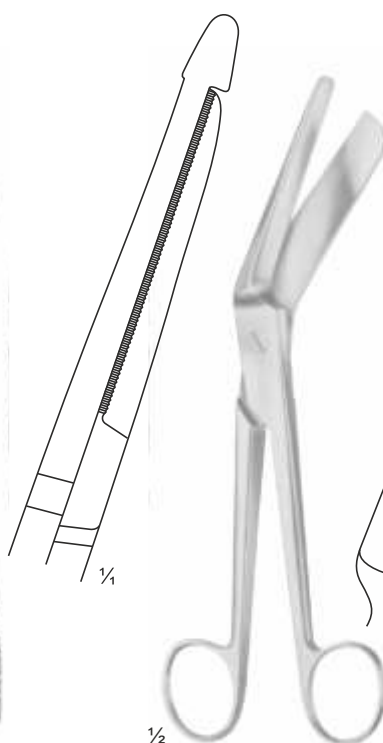


AS-02-359 - AS-02-362
LISTER

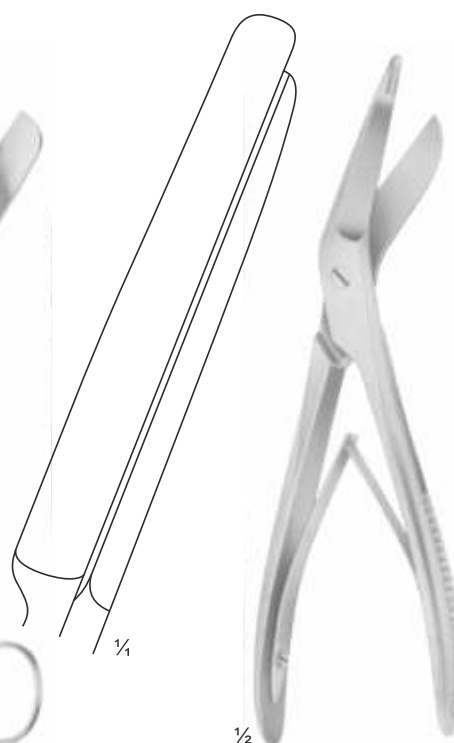
AS-02-363 - AS-02-364
LISTER



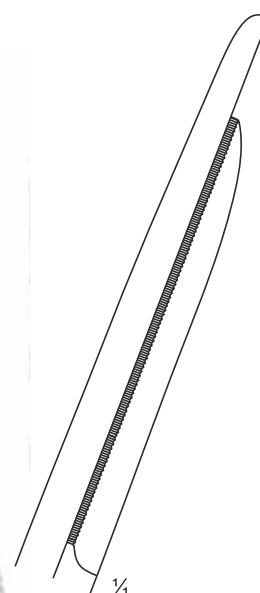
AS-02-365
CLOTH SCISSORS
205 mm



AS-02-366
BRAUN-STADLER
225 mm



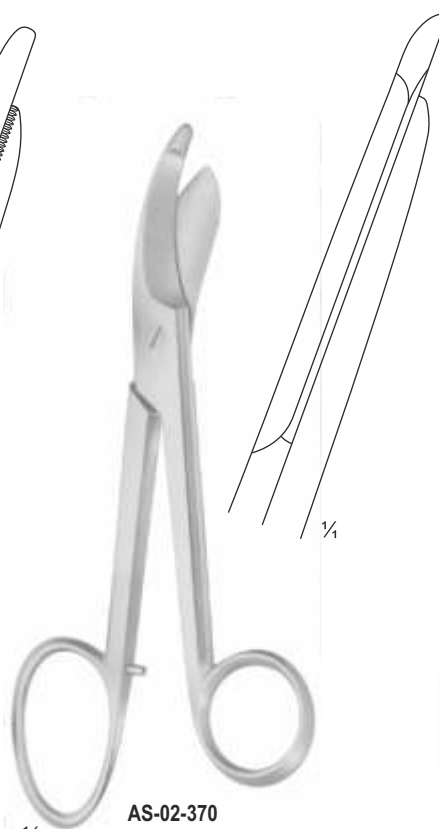
AS-02-367
SEUTIN
230 mm



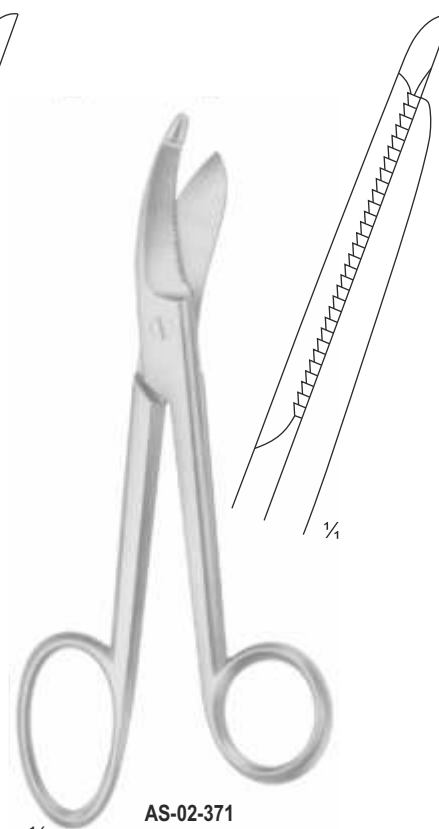
AS-02-368 200 mm
AS-02-369 230 mm



AS-02-368 - AS-02-369
ESMARCH



AS-02-370
BRUNS
235 mm



AS-02-371
BRUNS
235 mm



STANDARD
AS-02-372 14.5 cm, 5 3/4"
AS-02-373 16.5 cm, 6 1/2"
AS-02-374 18.5 cm, 7 1/4"



STANDARD
AS-02-375 14.5 cm, 5 3/4"
AS-02-376 16.5 cm, 6 1/2"
AS-02-377 18.5 cm, 7 1/4"



STANDARD
AS-02-378 14.5 cm, 5 3/4"
AS-02-379 16.5 cm, 6 1/2"
AS-02-380 18.5 cm, 7 1/4"



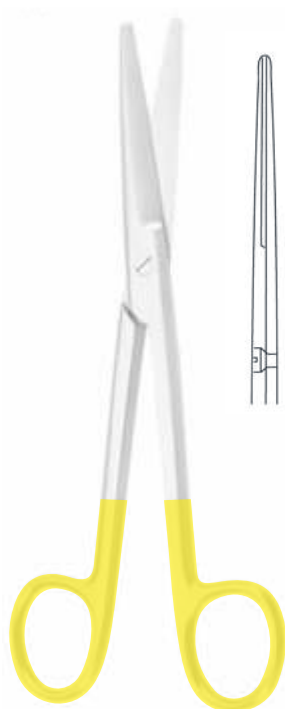
STANDARD
AS-02-381 14.5 cm, 5 3/4"
AS-02-382 16.5 cm, 6 1/2"
AS-02-383 18.5 cm, 7 1/4"



STANDARD
AS-02-384 14.5 cm, 5 3/4"
AS-02-385 16.5 cm, 6 1/2"
AS-02-386 18.5 cm, 7 1/4"



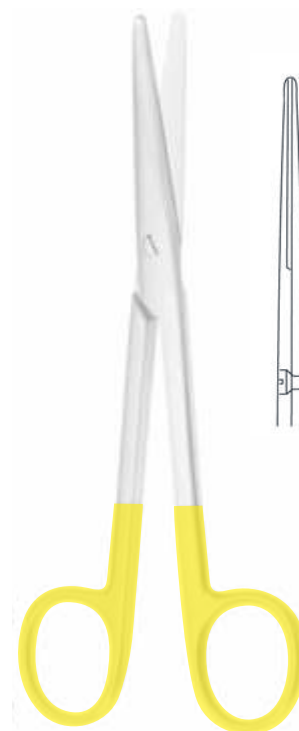
STANDARD
AS-02-387 14.5 cm, 5 3/4"
AS-02-388 16.5 cm, 6 1/2"
AS-02-389 18.5 cm, 7 1/4"



MAYO
AS-02-390 14.5 cm, 5 3/4"
AS-02-391 17.0 cm, 6 3/4"
AS-02-392 23.0 cm, 9"



MAYO
AS-02-393 14.5 cm, 5 3/4"
AS-02-394 17.0 cm, 6 3/4"
AS-02-395 23.0 cm, 9"



MAYO-STILLE
AS-02-396 15.0 cm, 6"
AS-02-397 17.0 cm, 6 3/4"



MAYO-STILLE
AS-02-398 15.0 cm, 6"
AS-02-399 17.0 cm, 6 3/4"



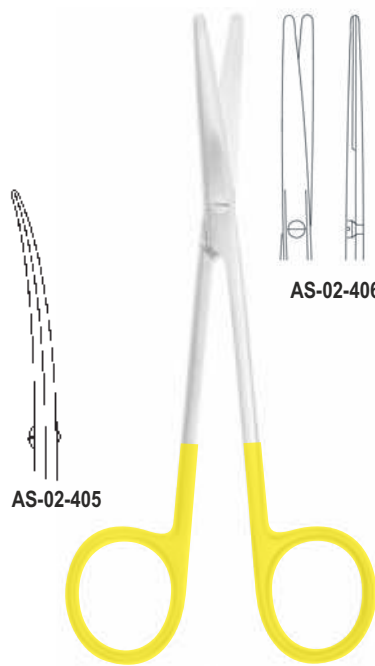
LEXER
AS-02-400 16.0 cm, 6 1/4"
AS-02-401 21.0 cm, 8 1/4"



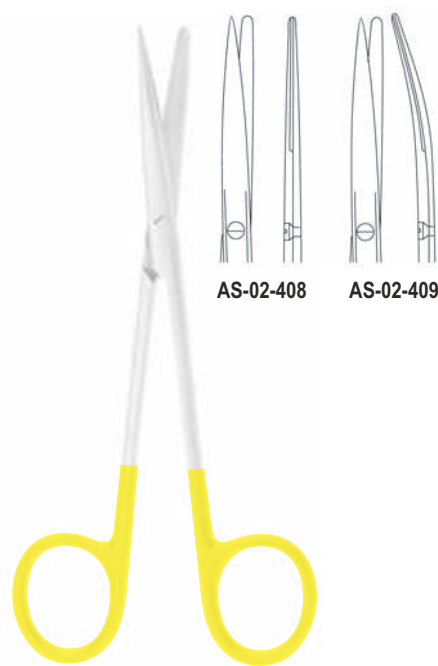
LEXER
AS-02-402 16.0 cm, 6 1/4"
AS-02-403 21.0 cm, 8 1/4"



BABY-METZENBAUM
AS-02-404 - AS-02-405
11.5 cm, 4½"



METZENBAUM
AS-02-406 - AS-02-407
14.5 cm, 5 ¾"



METZENBAUM
AS-02-408 - AS-02-409
14.5 cm, 5 ¾"



METZENBAUM
AS-02-410 - AS-02-411
14.5 cm, 5 ¾"



METZENBAUM
AS-02-412 - AS-02-417

AS-02-412 18.0 cm, 7"
AS-02-413 20.0 cm, 8"
AS-02-414 23.0 cm, 9"
AS-02-415 25.0 cm, 10"
AS-02-416 28.0 cm, 11"
AS-02-417 30.0 cm, 12"



METZENBAUM
AS-02-418 - AS-02-423

AS-02-418 18.0 cm, 7"
AS-02-419 20.0 cm, 8"
AS-02-420 23.0 cm, 9"
AS-02-421 25.0 cm, 10"
AS-02-422 28.0 cm, 11"
AS-02-423 30.0 cm, 12"

DISSECTING SCISSORS WITH TUNGSTEN CARBIDE EDGES



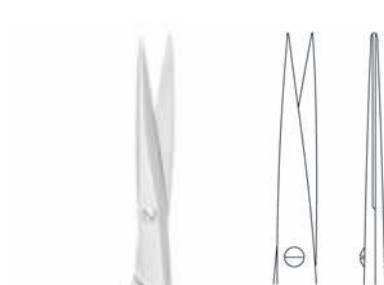
AS-02-424 18.0 cm, 7"
AS-02-425 20.0 cm, 8"
AS-02-426 23.0 cm, 9"
AS-02-427 25.0 cm, 10"
AS-02-428 28.0 cm, 11"
AS-02-429 30.0 cm, 12"

METZENBAUM
AS-02-424 - AS-02-429



AS-02-430 18.0 cm, 7"
AS-02-431 20.0 cm, 8"
AS-02-432 23.0 cm, 9"
AS-02-433 25.0 cm, 10"
AS-02-434 28.0 cm, 11"
AS-02-435 30.0 cm, 12"

METZENBAUM
AS-02-430 - AS-02-435



AS-02-436 18.0 cm, 7"
AS-02-437 20.0 cm, 8"
AS-02-438 23.0 cm, 9"
AS-02-439 25.0 cm, 10"
AS-02-440 28.0 cm, 11"
AS-02-441 30.0 cm, 12"

METZENBAUM
AS-02-436 - AS-02-441



AS-02-442 18.0 cm, 7"
AS-02-443 20.0 cm, 8"
AS-02-444 23.0 cm, 9"
AS-02-445 25.0 cm, 10"
AS-02-446 28.0 cm, 11"
AS-02-447 30.0 cm, 12"

METZENBAUM
AS-02-442 - AS-02-447



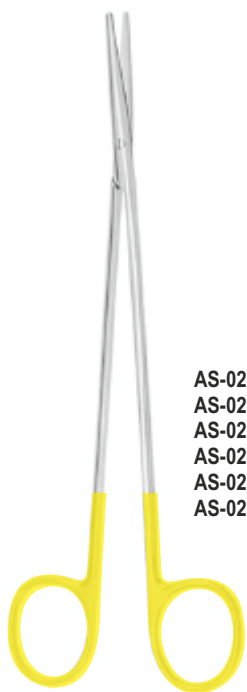
AS-02-448 **AS-02-449**

METZENBAUM-FINO
AS-02-448 - AS-02-449
 14.5 cm, 5 3/4"



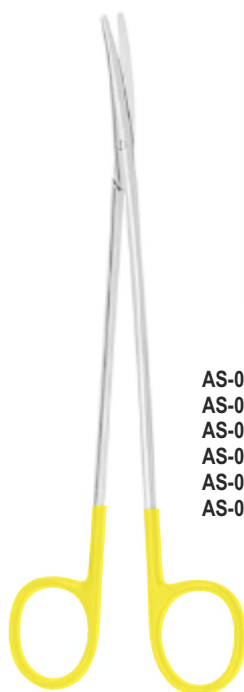
AS-02-450 **AS-02-451**

METZENBAUM-FINO
AS-02-450 - AS-02-451
 14.5 cm, 5 3/4"



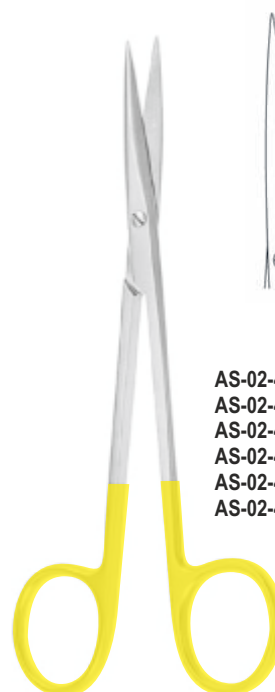
AS-02-452 18.0 cm, 7"
AS-02-453 20.0 cm, 8"
AS-02-454 23.0 cm, 9"
AS-02-455 25.0 cm, 10"
AS-02-456 28.0 cm, 11"
AS-02-457 30.0 cm, 12"

METZENBAUM-FINO
AS-02-452 - AS-02-457



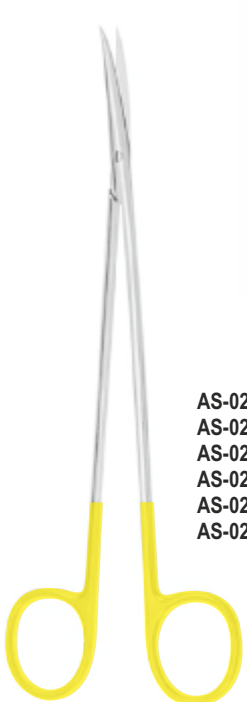
AS-02-458 18.0 cm, 7"
AS-02-49 20.0 cm, 8"
AS-02-460 23.0 cm, 9"
AS-02-461 25.0 cm, 10"
AS-02-462 28.0 cm, 11"
AS-02-463 30.0 cm, 12"

METZENBAUM-FINO
AS-02-458 - AS-02-463



AS-02-464 18.0 cm, 7"
AS-02-465 20.0 cm, 8"
AS-02-466 23.0 cm, 9"
AS-02-467 25.0 cm, 10"
AS-02-468 28.0 cm, 11"
AS-02-469 30.0 cm, 12"

METZENBAUM-FINO
AS-02-464 - AS-02-469

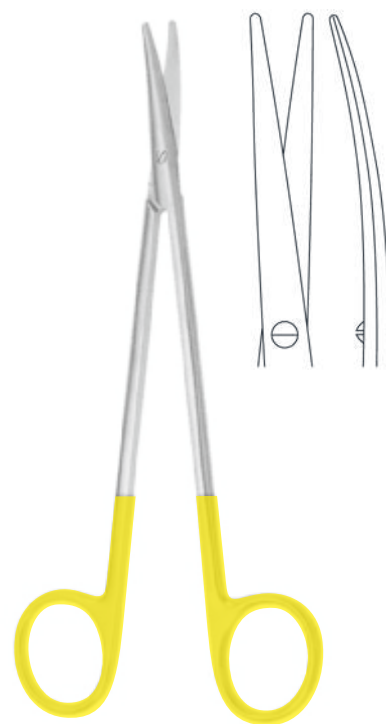


AS-02-470 18.0 cm, 7"
AS-02-471 20.0 cm, 8"
AS-02-472 23.0 cm, 9"
AS-02-473 25.0 cm, 10"
AS-02-474 28.0 cm, 11"
AS-02-475 30.0 cm, 12"

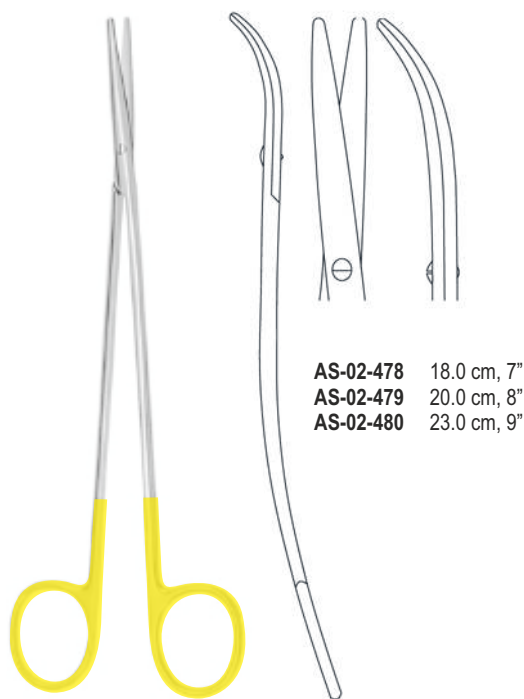
METZENBAUM-FINO
AS-02-470 - AS-02-475



METZENBAUM-LAHEY
AS-02-476
14.5 cm, 5½"

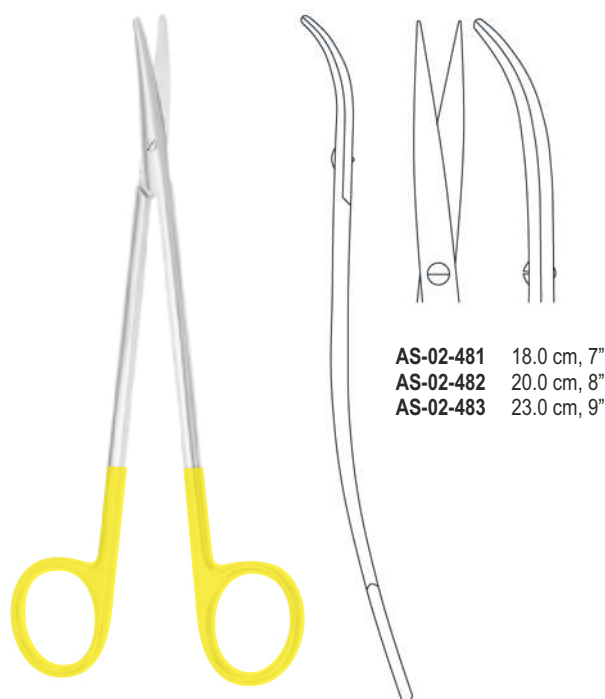


TOENNIS-ADSON
AS-02-477
17.0 cm, 6 3/4"



AS-02-478 18.0 cm, 7"
AS-02-479 20.0 cm, 8"
AS-02-480 23.0 cm, 9"

METZENBAUM-FINO
AS-02-478 - AS-02-480



AS-02-481 18.0 cm, 7"
AS-02-482 20.0 cm, 8"
AS-02-483 23.0 cm, 9"

METZENBAUM-FINO
AS-02-481 - AS-02-483



REYNOLDS
AS-02-484
15.0 cm, 6"



REYNOLDS
AS-02-485
15.0 cm, 6"



HYSTEREKTOMY
AS-02-486
25.5 cm, 10"

HYSTEREKTOMY
AS-02-487
25.5 cm, 9 3/4"



SIMS
AS-02-488 - AS-02-489



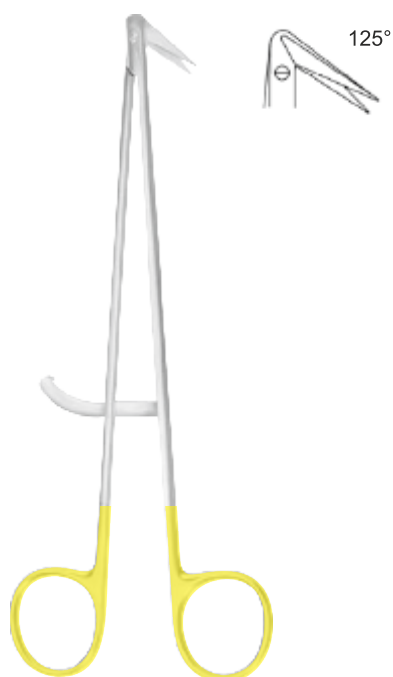
AS-02-488 20.0 cm, 8"
AS-02-489 23.0 cm, 9"



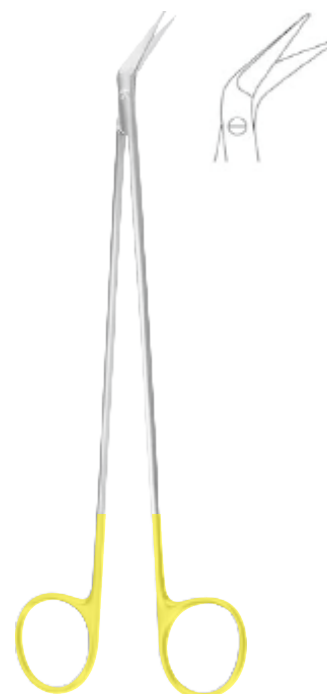
SIMS
AS-02-490 - AS-02-491



AS-02-490 20.0 cm, 8"
AS-02-491 23.0 cm, 9"



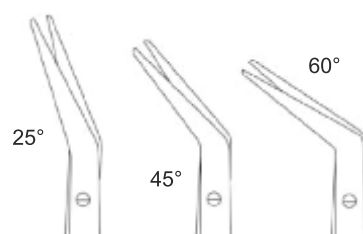
DIETHRICH
AS-02-492
17.5 cm, 6 5/8"



POTTS DE MARTEL
AS-02-493
24.0 cm, 9 1/2"



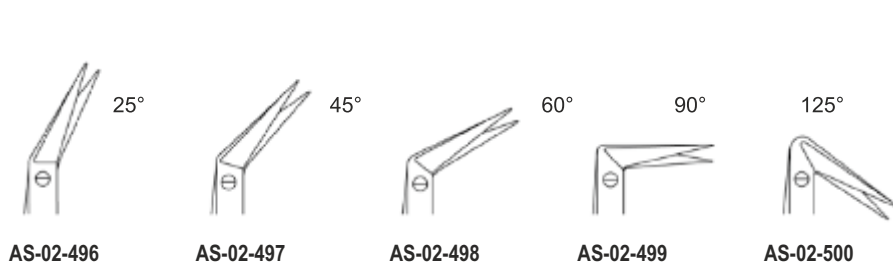
DE BAKY
AS-02-494 - AS-02-495



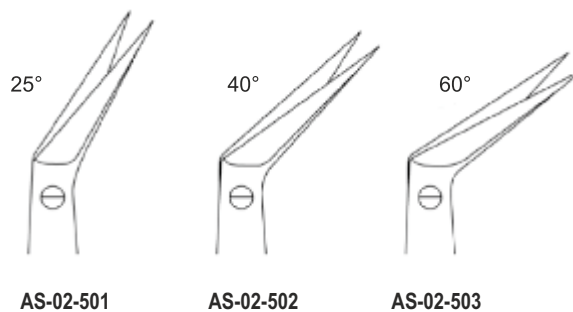
AS-02-494 20.0 cm, 8"
AS-02-495 23.0 cm, 9"

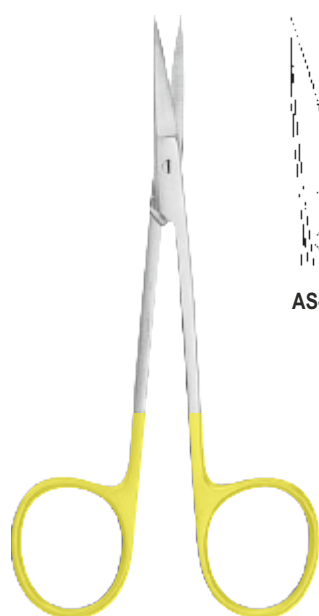


DIETRICH-HEGEMANN
AS-02-496 - AS-02-500
18.0 cm, 7"

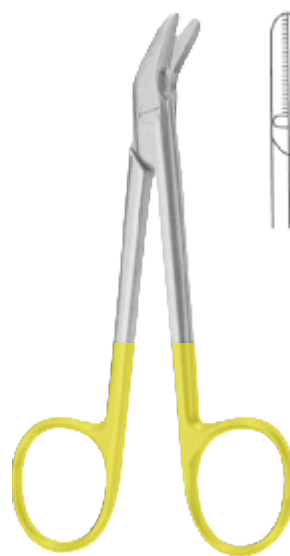
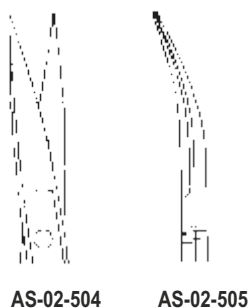


POTTS-SMITH
AS-02-501 - AS-02-503
18.0 cm, 7½"

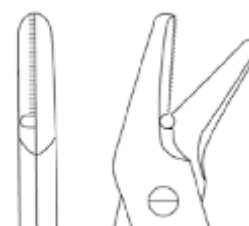




IRIS
AS-02-504 - AS-02-505
11.5 cm, 4 1/2"



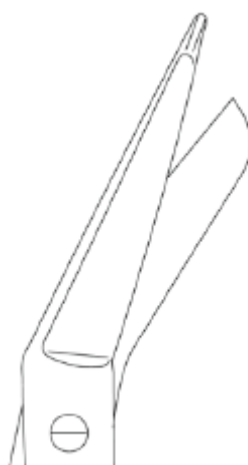
UNIVERSAL
AS-02-506
12.0 cm, 4 3/4"



gezahnt
serrated
dentada
dentata

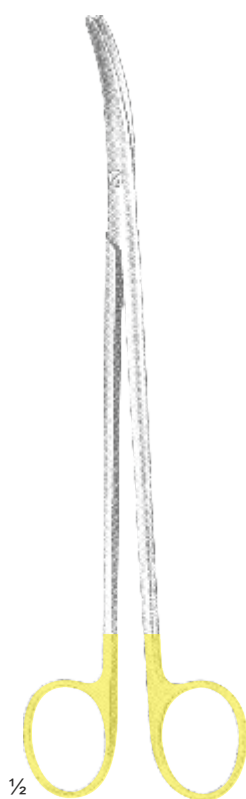


LISTER
AS-02-507
18.0 cm, 7"

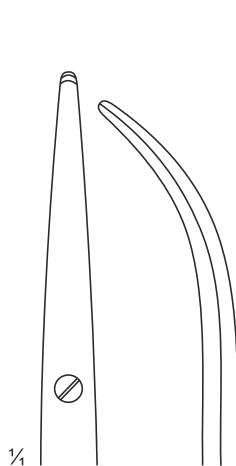


LISTER
BC-408
24.0 cm, 9 1/2"

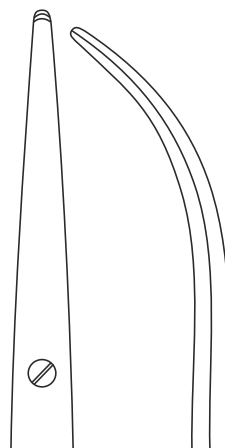




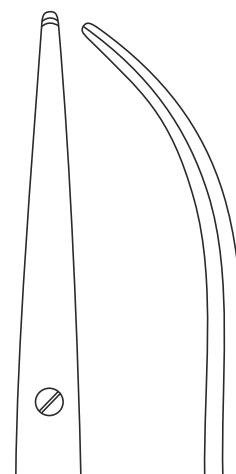
METZENBAUM-THOREK
AS-02-509 - AS-02-511



AS-02-509
200 mm



AS-02-510
230 mm



AS-02-511
280 mm



JOSEPH
AS-02-512 - AS-02-513



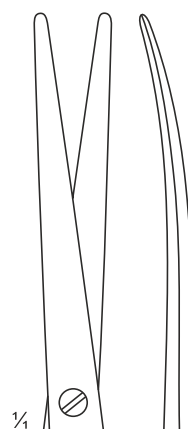
AS-02-512
14.5 cm



AS-02-513
14.5 cm



TOENNIS-ADSON
AS-02-514
175 mm
slender pattern

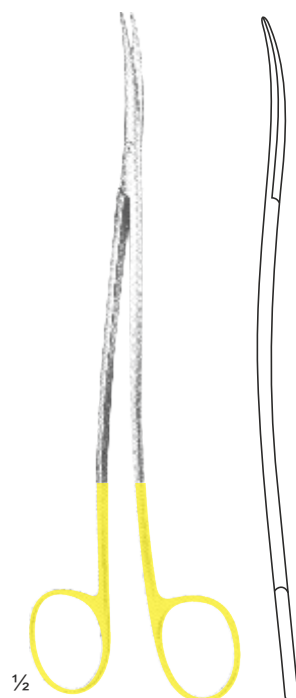


AS-02-515
205 mm

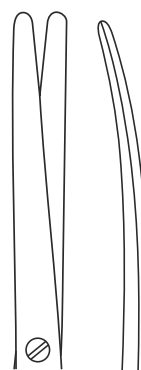


AS-02-516
230 mm

METZENBAUM-FINO
AS-02-515 - AS-02-516
slender pattern



AS-02-517
180 mm

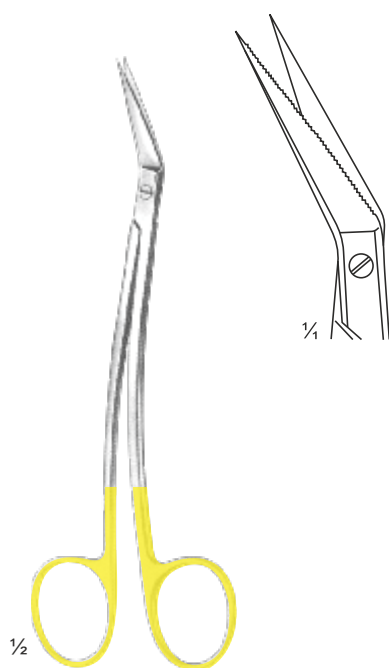


AS-02-518
205 mm

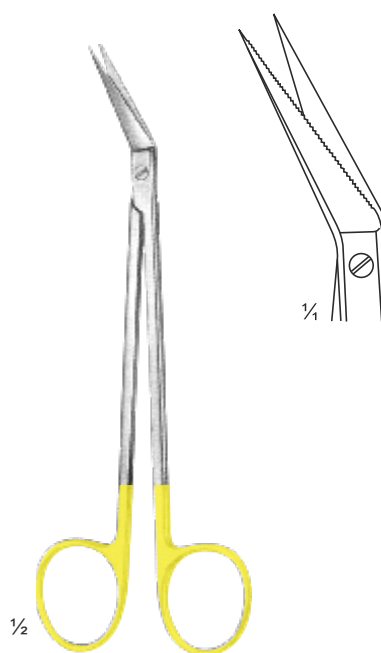


AS-02-519
230 mm

METZENBAUM-FINO
AS-02-517 - AS-02-519
slender pattern



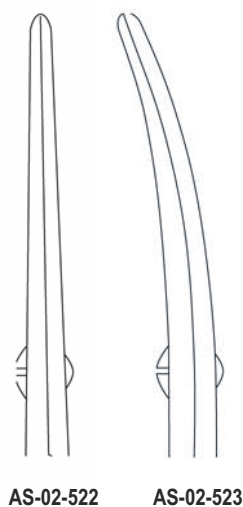
LOCKLIN
AS-02-520
160 mm
one toothed cutting edge



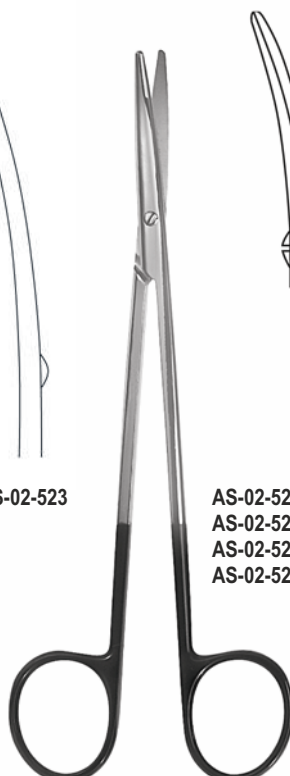
LOCKLIN
AS-02-521
160 mm
one toothed cutting edge



MAYO
AS-02-522 - AS-02-523
17.0 cm, 6 3/4"



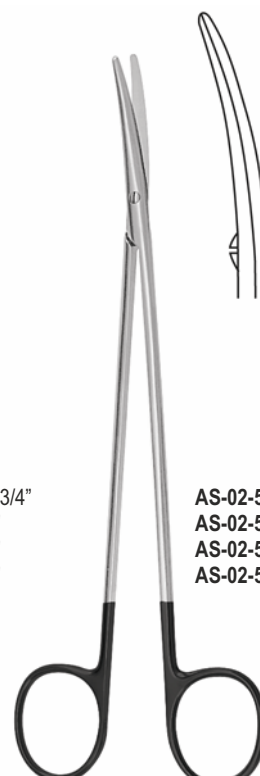
AS-02-522 AS-02-523



METZENBAUM
AS-02-524 - AS-02-527



AS-02-524 14.5 cm, 5 3/4"
AS-02-525 18.0 cm, 7"
AS-02-526 20.0 cm, 8"
AS-02-527 23.0 cm, 9"



METZENBAUM-FINO
AS-02-528 - AS-02-531



AS-02-528 14.5 cm, 5 3/4"
AS-02-529 18.0 cm, 7"
AS-02-530 20.0 cm, 8"
AS-02-531 23.0 cm, 9"



KAYE FACE LIFT
AS-02-532 - AS-02-533



AS-02-532 15.0 cm, 6"
AS-02-533 19.0 cm, 7 1/2"



JABALEY
AS-02-534
13.0 cm, 5"



ENDARTERECTOMY
AS-02-535
18.0 cm, 7"



TOENNIS-ADSON
AS-02-536
17.0 cm, 6 3/4"





STRABISMUS
AS-02-537 - AS-02-538
11.5 cm, 4½"

JAMISON
AS-02-539 15.0 cm, 6"
AS-02-540 18.0 cm, 7"

REYNOLDS
AS-02-541
12.5 cm, 5"

BABY-METZENBAUM
AS-02-542 11.0 cm, 4 3/8"
AS-02-543 14.5 cm, 5 3/4"



IRIS
AS-02-544
11.0 cm, 4 3/8"

IRIS
AS-02-545
11.0 cm, 4 3/8"

STEVENS TENOTOMY
AS-02-546
11.0 cm, 4 3/8"

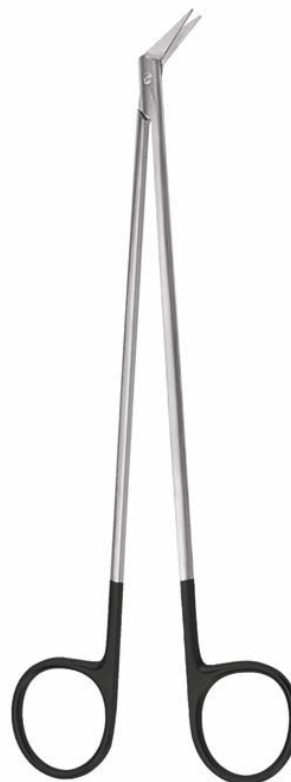
STEVENS TENOTOMY
AS-02-547
11.0 cm, 4 3/8"



PAR TYPE
AS-02-548
12.0 cm, 4 3/4"



PAR TYPE
AS-02-549
12.0 cm, 4 3/4"



POTTS
AS-02-550 - AS-02-552
19.0 cm, 7 1/2"



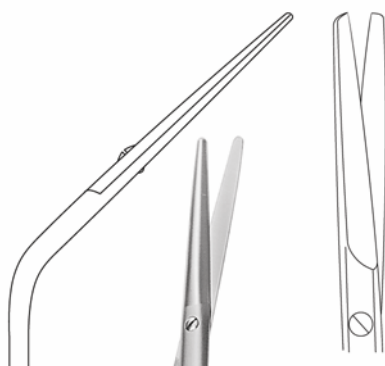
AS-02-550



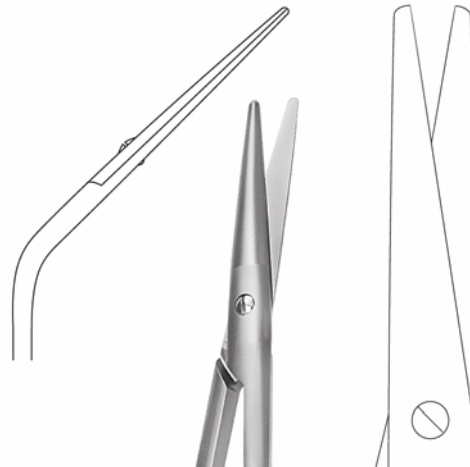
AS-02-551



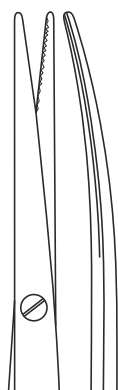
AS-02-552



AS-02-553
14.5 cm, 5 3/4"



COTTLE
AS-02-554
16.5 cm, 6 1/2"



AS-02-555
14.5 cm



AS-02-556
18 cm



AS-02-557
20.5 cm



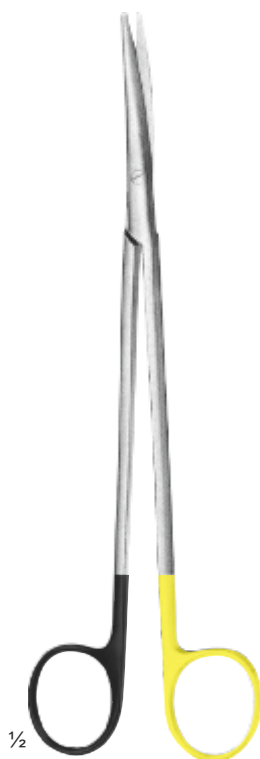
AS-02-558
23 cm



AS-02-559
25 cm



AS-02-560
30 cm



LIGATURE SCISSORS
AS-02-555 - AS-02-560
for synthetic suture material,
one toothed cutting edge



LIGATURE SCISSORS
AS-02-561 - AS-02-563
for synthetic suture material,
one toothed cutting edge



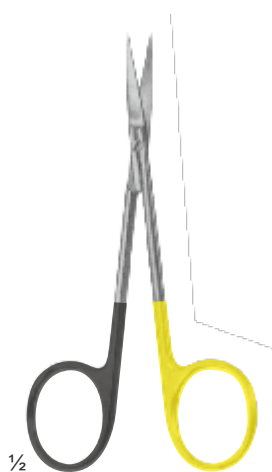
AS-02-561
14.5 cm



AS-02-562
17 cm



AS-02-563
23 cm

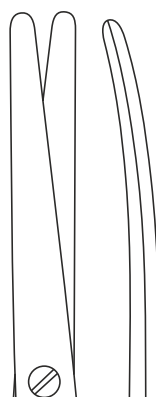


IRIS
AS-02-564
11.5 cm





AS-02-565
18 cm



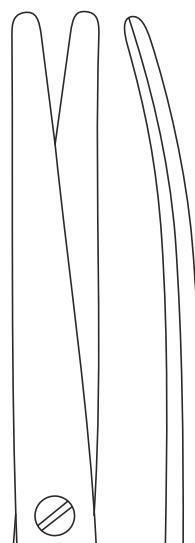
AS-02-566
20 cm



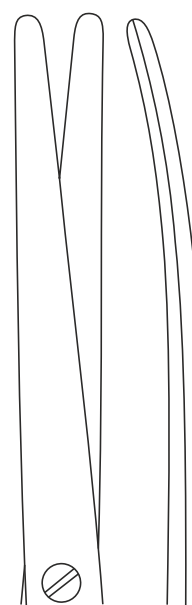
AS-02-567
23 cm



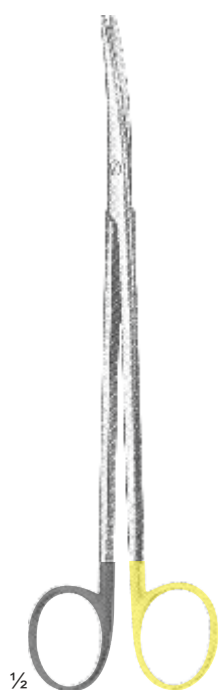
AS-02-568
26 cm



AS-02-569
28.5 cm



AS-02-570
31 cm

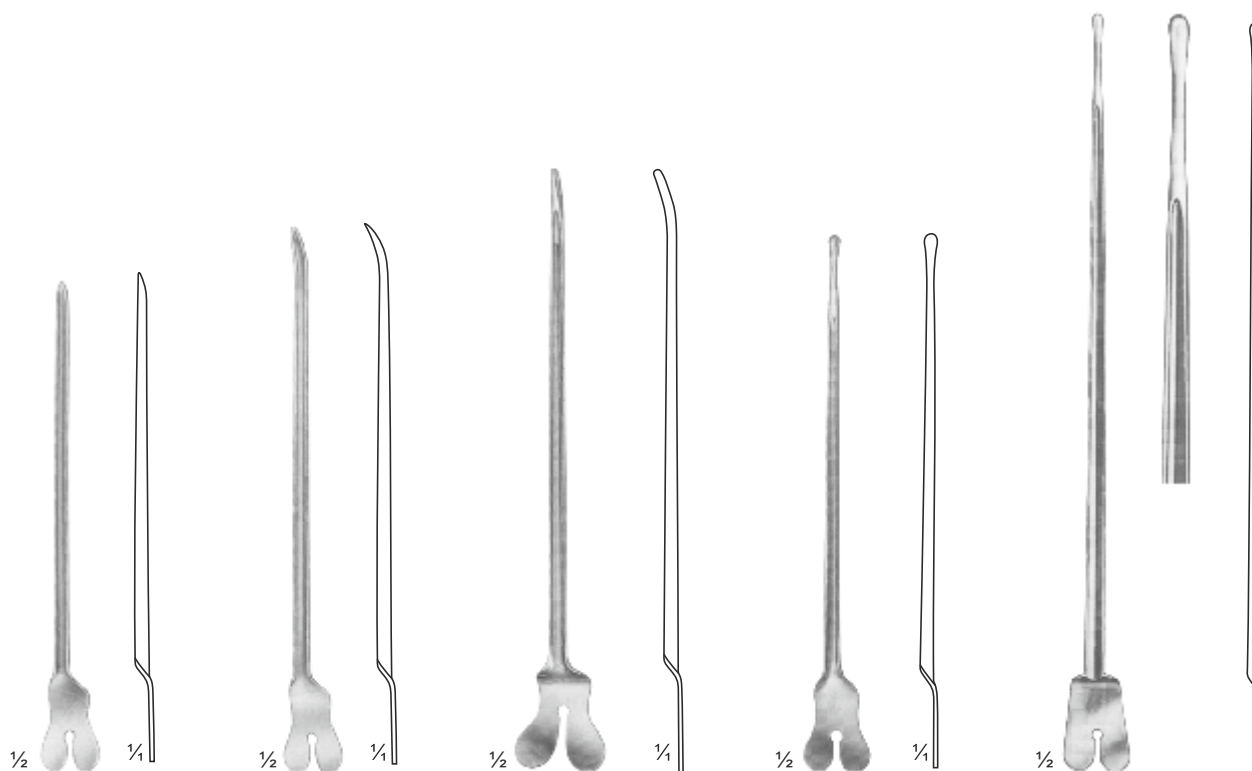


METZENBAUM
AS-02-565 - AS-02-570



Page 71-77

- Probes
- Cotton Applicators
- Suture Clips
- Clip Applying Forceps
- Clip Removing Forceps



AS-03-101 130 mm
AS-03-102 145 mm
AS-03-103 160 mm
Directors

AS-03-104
DOYEN
145 mm
Directors

AS-03-105
NELATON
160 mm
Directors

AS-03-106
Director with tip
Diam. Of tip 3,3 mm
140 mm

AS-03-107
BRODIE
Director with tip,
Diam. Of tip 3,5 mm
200 mm



AS-03-108
2,5 mm
AS-03-109
2,5 mm
AS-03-110
3,0 mm

AS-03-108 145 mm
AS-03-109 160 mm
AS-03-110 200 mm
Probes with eye



1.5 mm

AS-03-111
Myrtle leaf probe
145 mm



2 mm

AS-03-112 130 mm
AS-03-113 145 mm
AS-03-114 160 mm
AS-03-115 180 mm
AS-03-116 200 mm



AS-03-117
Probes



AS-03-118
Double ended probe,
malleable, diam. of tips
3 mm with hole
190 mm



AS-03-119
Double ended probes,
tin, malleable,
diam. of tips
3,5 mm with hole
250 mm, 300 mm



AS-03-120
Double ended probes,
tin, malleable,
diam. of tips 4 mm
400 mm



AS-03-121 1,5 mm
AS-03-122 2,0 mm
AS-03-123 2,5 mm
300 mm



AS-03-124
STACKE
100 mm



AS-03-125
KILLIAN
165 mm



AS-03-126
160 mm



AS-03-127
SEIFFERT
180 mm



German Silver
AS-03-128
BOWMAN
130 mm



AS-03-129
SPATULA
145 mm



AS-03-130
SPATULA
145 mm



AS-03-131
Modell PICCOLO
Round Serrated
110 mm



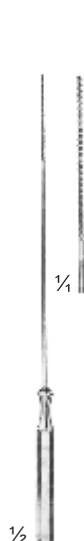
AS-03-132
Modell PICCOLO
Triangular Serrated end
110 mm



AS-03-133
FARRELL
Round Serrated end
110 mm



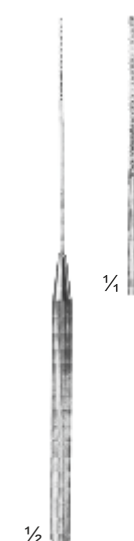
AS-03-134
LATHBURY-FARRELL
Triangular Serrated end
110 mm



AS-03-135
BUCK
Rough, spiral end
120 mm



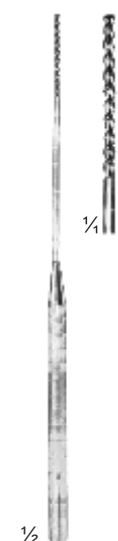
AS-03-136
Triangular
serrated end
140 mm



AS-03-137
Rough, spiral end
140 mm



AS-03-138
Rough, spiral end
140 mm



AS-03-139
Rough, spiral end
140 mm



AS-03-140
FARRELL
Round,
serrated end
140 mm



AS-03-141
LATHBURY-FARRELL
Triangular,
serrated end
140 mm



AS-03-142
FARRELL
Rough,
spiral end
160 mm



AS-03-143
LATHBURY-FARRELL
Triangular,
serrated end
160 mm



AS-03-144
Triangular,
serrated end
160 mm



AS-03-145
Rough,
spiral end
180 mm



AS-03-146
Rough,
spiral end
180 mm



AS-03-147
Rough,
spiral end
270 mm



AS-03-148
MICHEL
125 mm



AS-03-149
HEGENBARTH
120 mm



AS-03-150
WACHENFELDT
120 mm



AS-03-151
WACHENFELDT
120 mm



AS-03-152
MICHEL
125 mm



AS-03-153
MICHEL modif.
130 mm



AS-03-154
HEATH
135 mm



AS-03-155
COLLIN
135 mm



AS-03-156 8 CH
AS-03-157 10 CH
AS-03-158 12 CH
AS-03-159 14 CH
AS-03-160 16 CH
AS-03-161 18 CH

REDON
AS-03-156 - AS-03-161
threaded end
19.5 cm



AS-03-162 8 CH
AS-03-163 10 CH
AS-03-164 12 CH
AS-03-165 14 CH
AS-03-166 16 CH
AS-03-167 18 CH

REDON
AS-03-162 - AS-03-167
threaded end
14 cm



AS-03-168 8 CH
AS-03-169 10 CH
AS-03-170 12 CH
AS-03-171 14 CH
AS-03-172 16 CH
AS-03-173 18 CH

REDON
AS-03-168 - AS-03-173
threaded end
19.5 cm



AS-03-174 8 CH
AS-03-175 10 CH
AS-03-176 12 CH
AS-03-177 14 CH
AS-03-178 16 CH
AS-03-179 18 CH

REDON
AS-03-174 - AS-03-179
threaded end
19.5 cm



NABATOFF
AS-03-180
135x100x25 mm



AS-03-181



AS-03-182
Ø 3 mm



AS-03-183
Ø 6 mm



AS-03-187



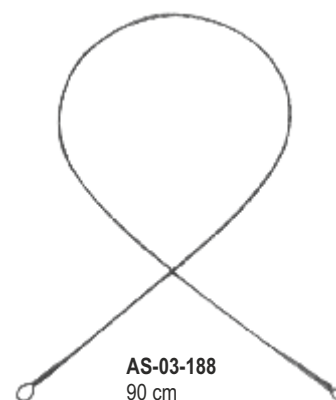
AS-03-184
Ø 9 mm



AS-03-185
Ø 12 mm



AS-03-186
Ø 15 mm



AS-03-188
90 cm



MYERS
AS-03-189



AS-03-190
Ø 6 mm



AS-03-191
Ø 9 mm



AS-03-192
Ø 12 mm



AS-03-193
Ø 15 mm



VARADY
AS-03-194



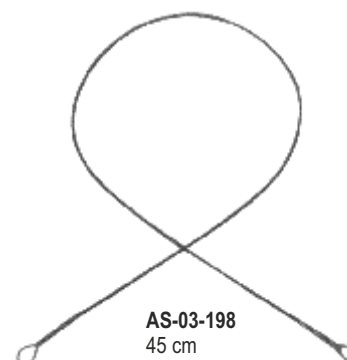
AS-03-195



AS-03-196



AS-03-197



AS-03-198
45 cm



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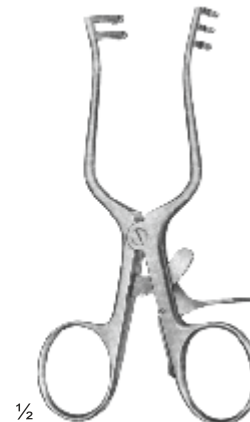
- Self-Retaining Retractors
- Abdominal Retractors



AS-04-101
WEITLANER
Sharp
110 mm



AS-04-102
WEITLANER
Semi-Sharp
110 mm



AS-04-103
WEITLANER
Blunt
110 mm



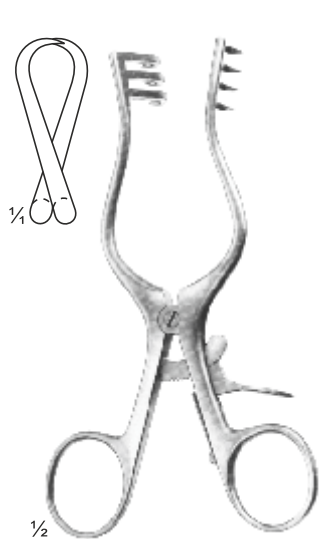
AS-04-104
WEITLANER
Sharp
130 mm



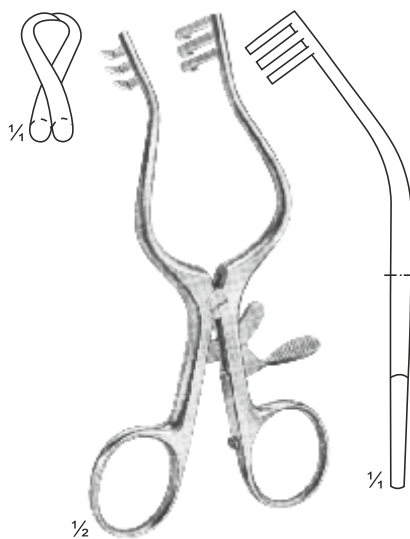
AS-04-105
WEITLANER
Semi-Sharp
130 mm



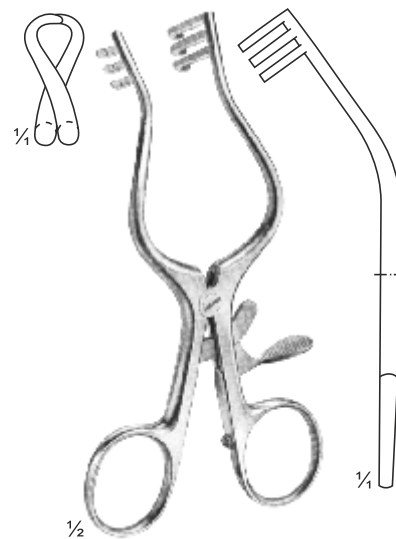
AS-04-106
WEITLANER
Blunt
130 mm



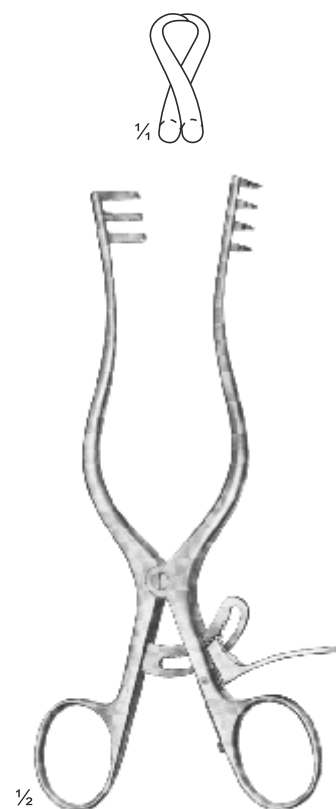
AS-04-107
WEITLANER
Sharp
130 mm



AS-04-108
WULLSTEIN
Sharp
130 mm



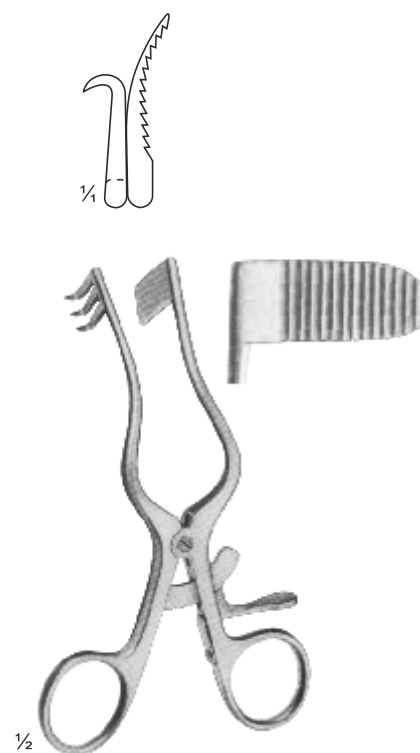
AS-04-109
WULLSTEIN
Blunt
130 mm



AS-04-110
WEITLANER
Sharp
165 mm



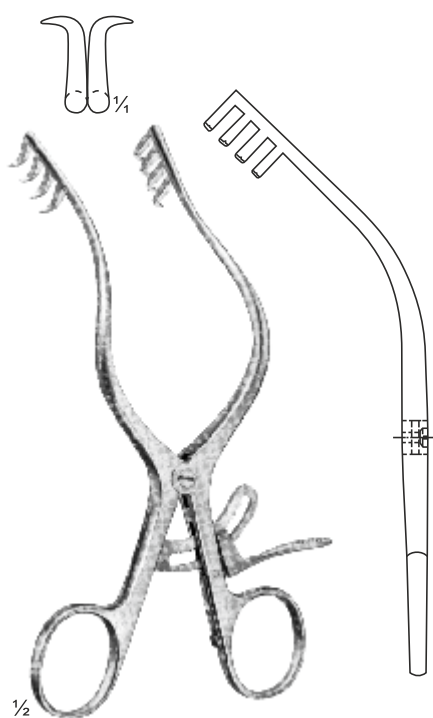
AS-04-111
PLESTER
Blunt
110 mm



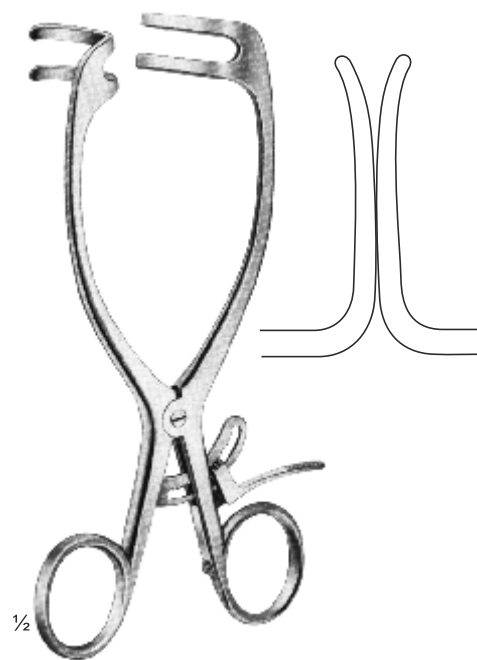
AS-04-112
PERKINS
Blunt
130 mm



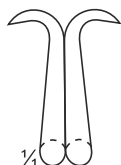
AS-04-113
ADSON-BABY
Blunt
140 mm



AS-04-114
MOLLISON
Sharp
155 mm



AS-04-115
MAYO-ADAMS
165 mm



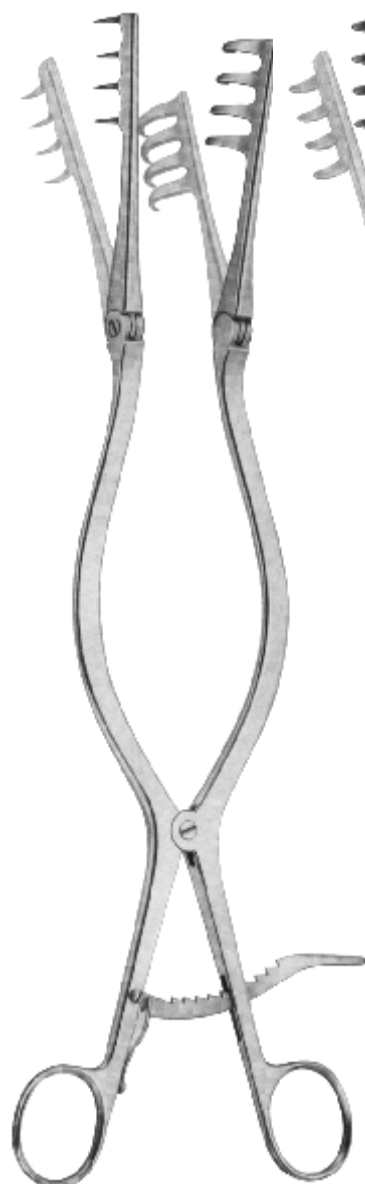
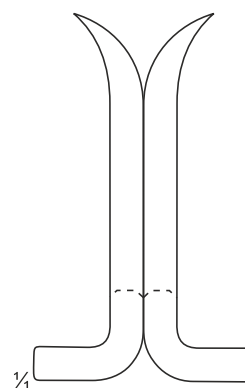
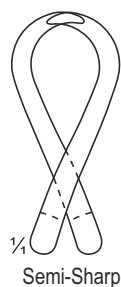
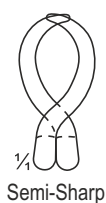
AS-04-116
ANDERSON-ADSON
Sharp
190 mm



AS-04-117
NORFOLK and
NORWICH
Blunt
220 mm



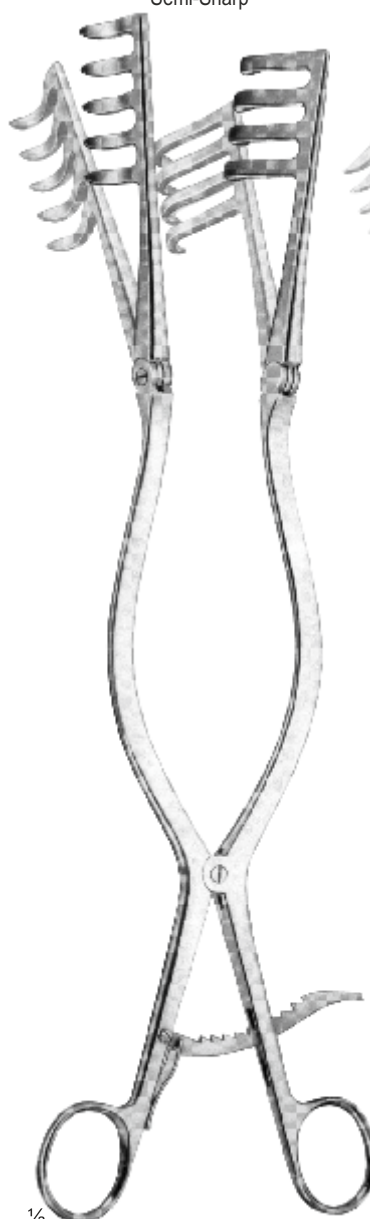
AS-04-118
ADSON
Sharp
265 mm



AS-04-119
BECKMANN-ADSON
Sharp
310 mm



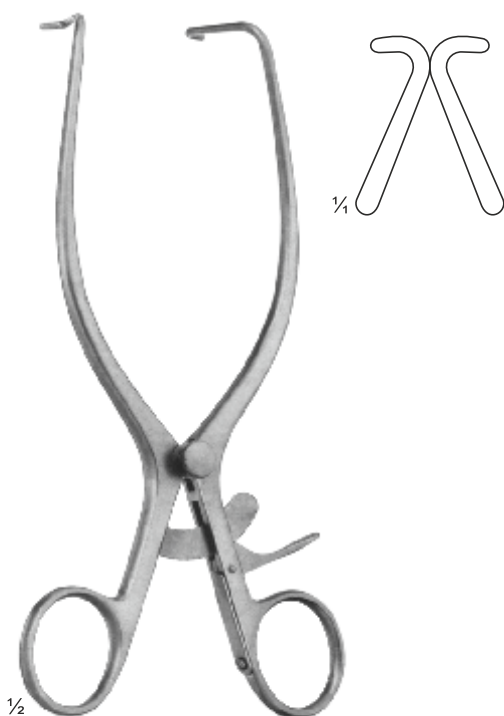
AS-04-119A
BECKMANN-ADSON
Semi-Sharp
310 mm



AS-04-120
ADSON
Semi-Sharp
320 mm



AS-04-121
BECKMANN-EATON
Sharp
320 mm



AS-04-122
JACKSON BURROWS
Retractor, blunt
185 mm



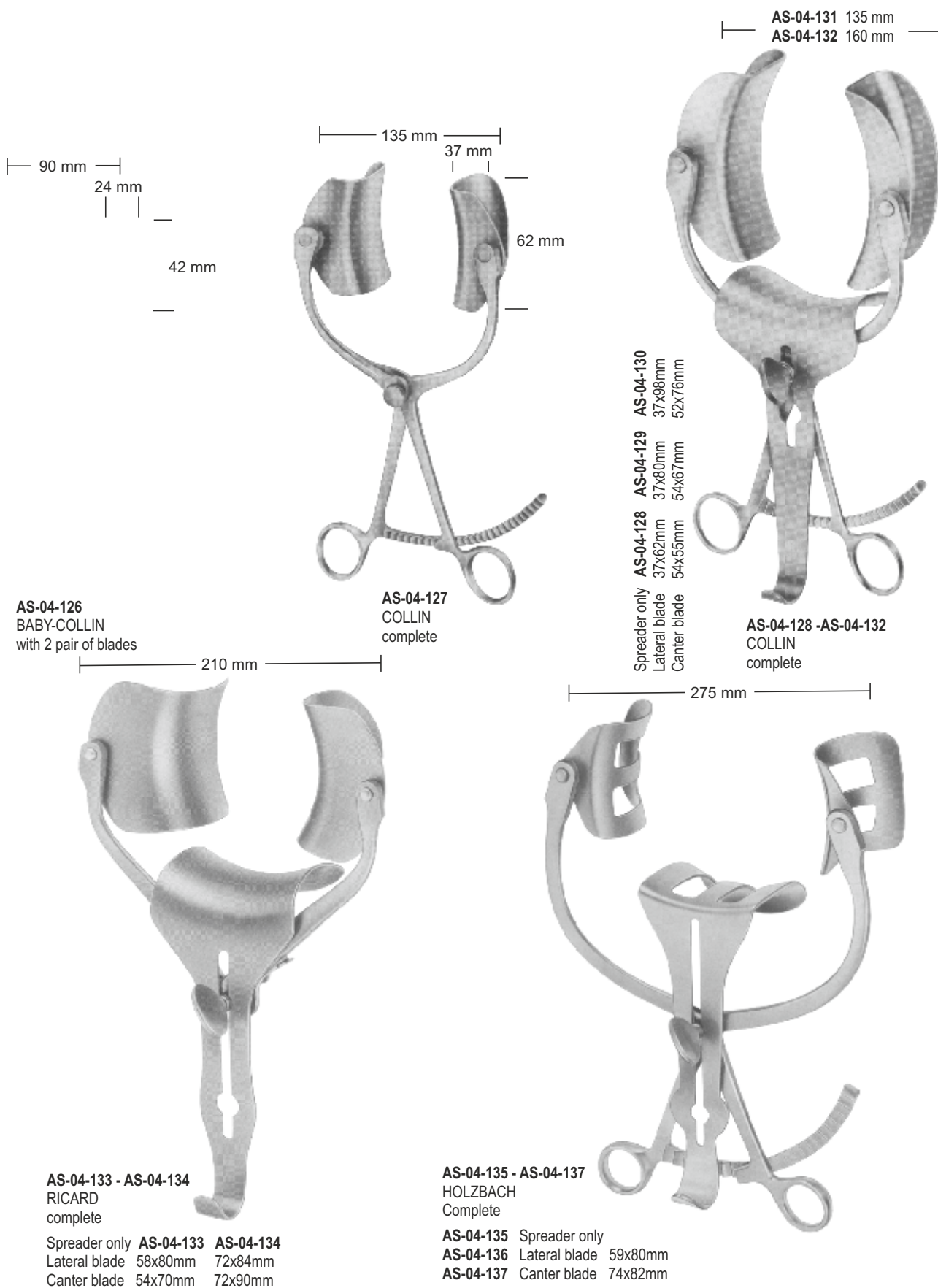
AS-04-123
GELPI
Vaginal Retractor
135 mm

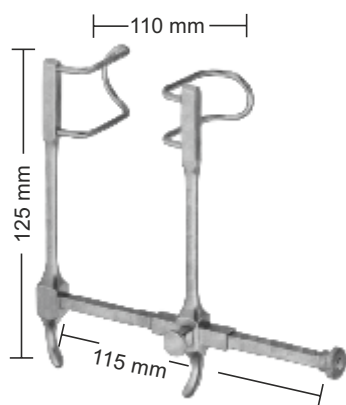


AS-04-124
GELPI
Skin- and Vaginal Retractor
175 mm

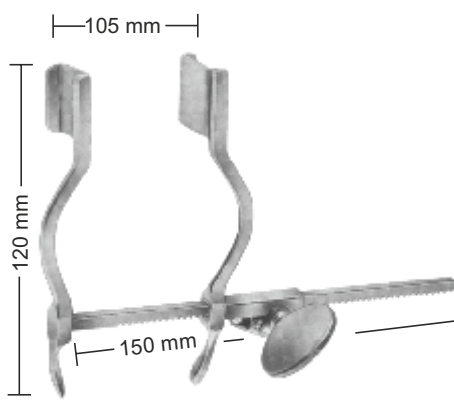


AS-04-125
DE BAKEY
Femur Retractor
145 mm

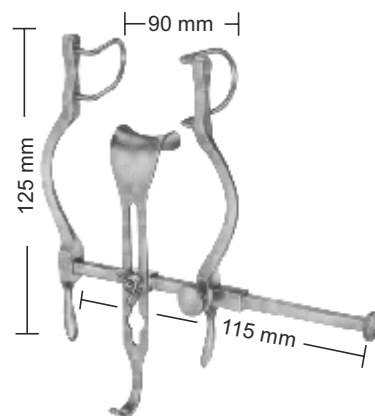




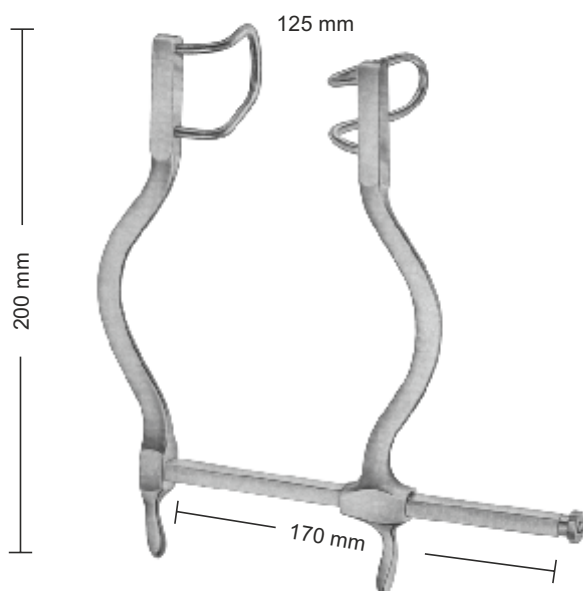
AS-04-138
GOSSET
Blades:38 mm deep



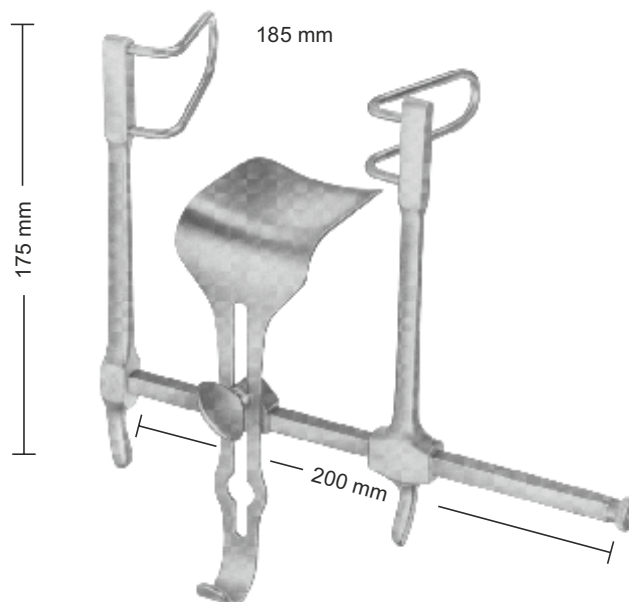
AS-04-139
HERTZLER
Blades 20 X 25 mm



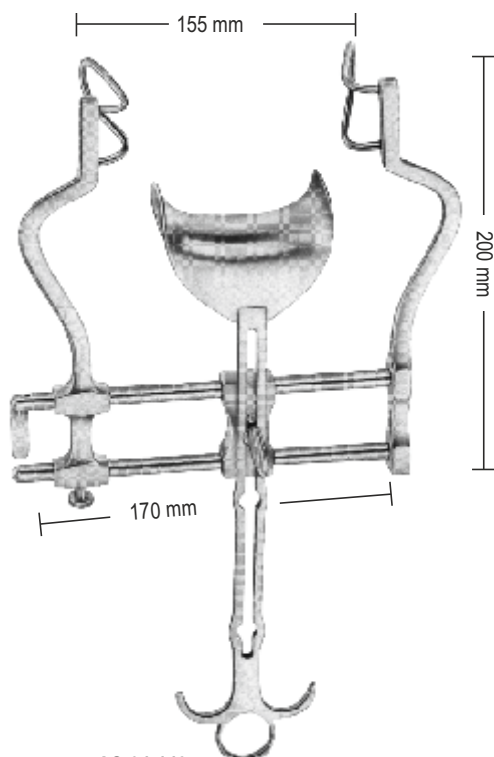
AS-04-140
BALFOUR-BABY
Lateral blades 27 mm deep
Center blade 21x24 mm



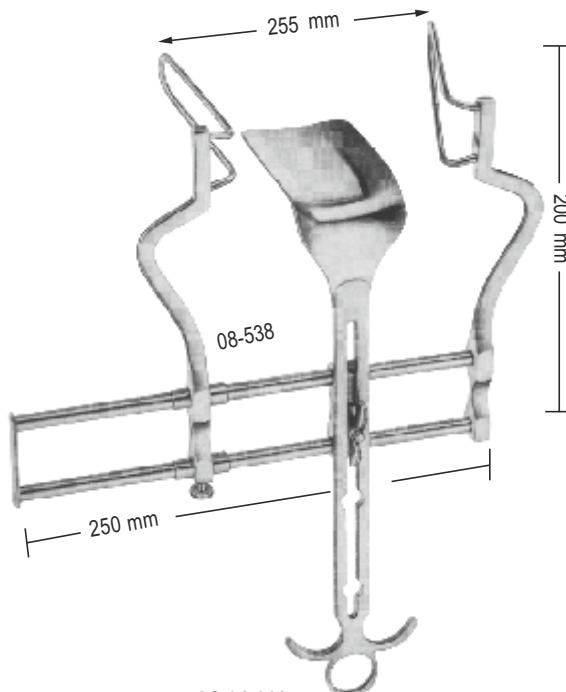
AS-04-141
GOSSET
Blades:55mm deep



AS-04-142
GOSSET
Lateral blades 58 mm deep
Center blade 59 x 57 mm



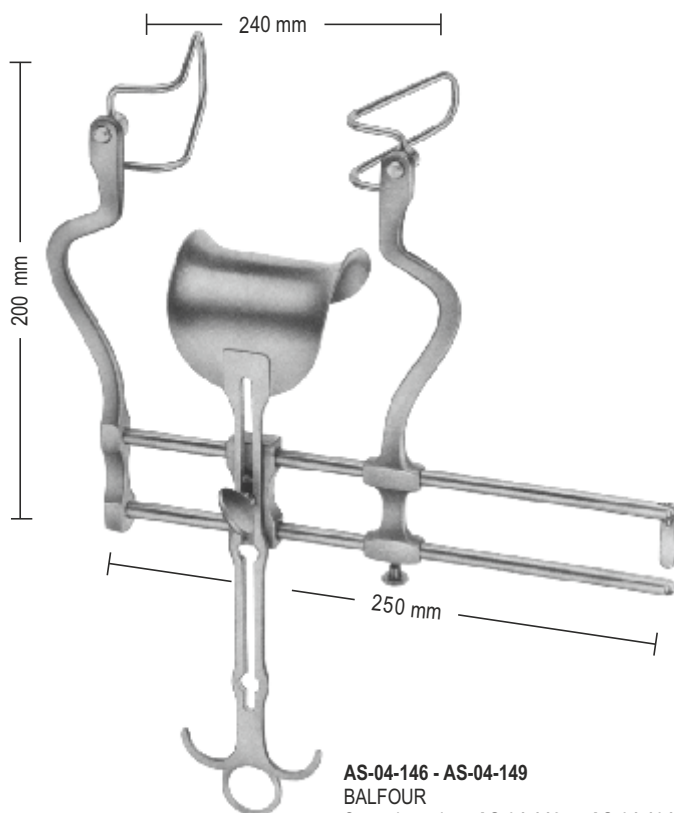
AS-04-143
BALFOUR
Lateral blades 60 mm deep
Center blade 47 x 80 mm



AS-04-144
BALFOUR
Lateral blades 105 mm deep
Center blade 107x 59 mm



AS-04-145
Center blade only
54x80 mm



AS-04-146 - AS-04-149
BALFOUR
Spreader only
Lateral blades 50 mm
Center blade 47 x 80 mm



Sales Unit of blades:PR = pair

Lateral blades
AS-04-150
50 mm deep
AS-04-151
60 mm deep
AS-04-152
75 mm deep
AS-04-153
90 mm deep

AS-04-146	AS-04-1047	AS-04-148	AS-04-149
Lateral blades 50 mm	60 mm	75 mm	90 mm
Center blade 47 x 80 mm	62x76 mm	80x80 mm	80x80 mm



BOSE
AS-04-154
60 mm



FINSEN
AS-04-155
50 mm



FINSEN
AS-04-156
70 mm



FINSEN modif.
AS-04-157
75 mm



AS-04-158
45 mm



AS-04-159
55 mm



MUELLER
AS-04-160
65 mm



ALM
AS-04-161 7 cm
AS-04-162 10 cm



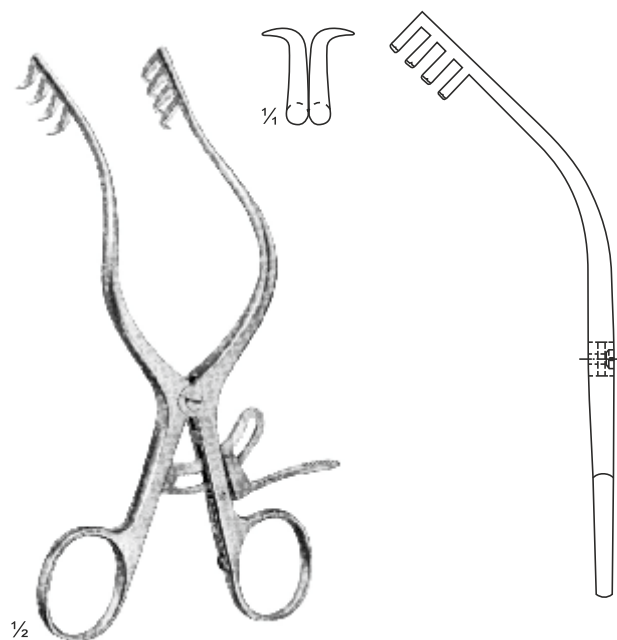
JANSEN
AS-04-163



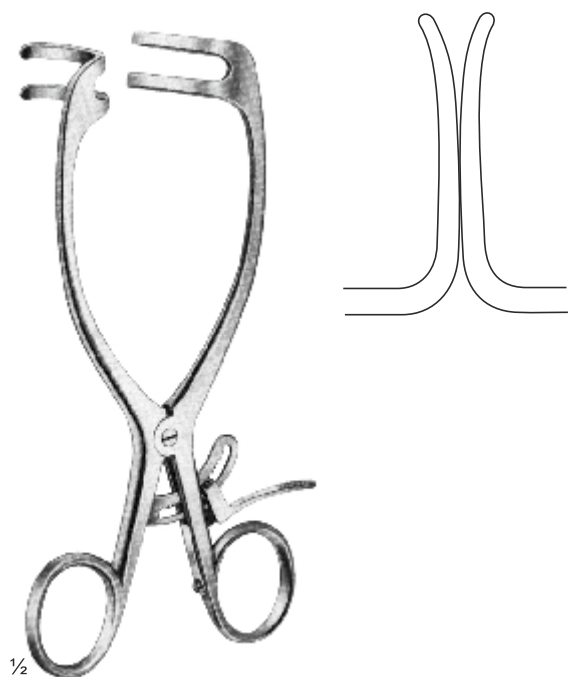
JANSEN
AS-04-164



ADSON-BABY
Blunt
AS-04-165
14 cm



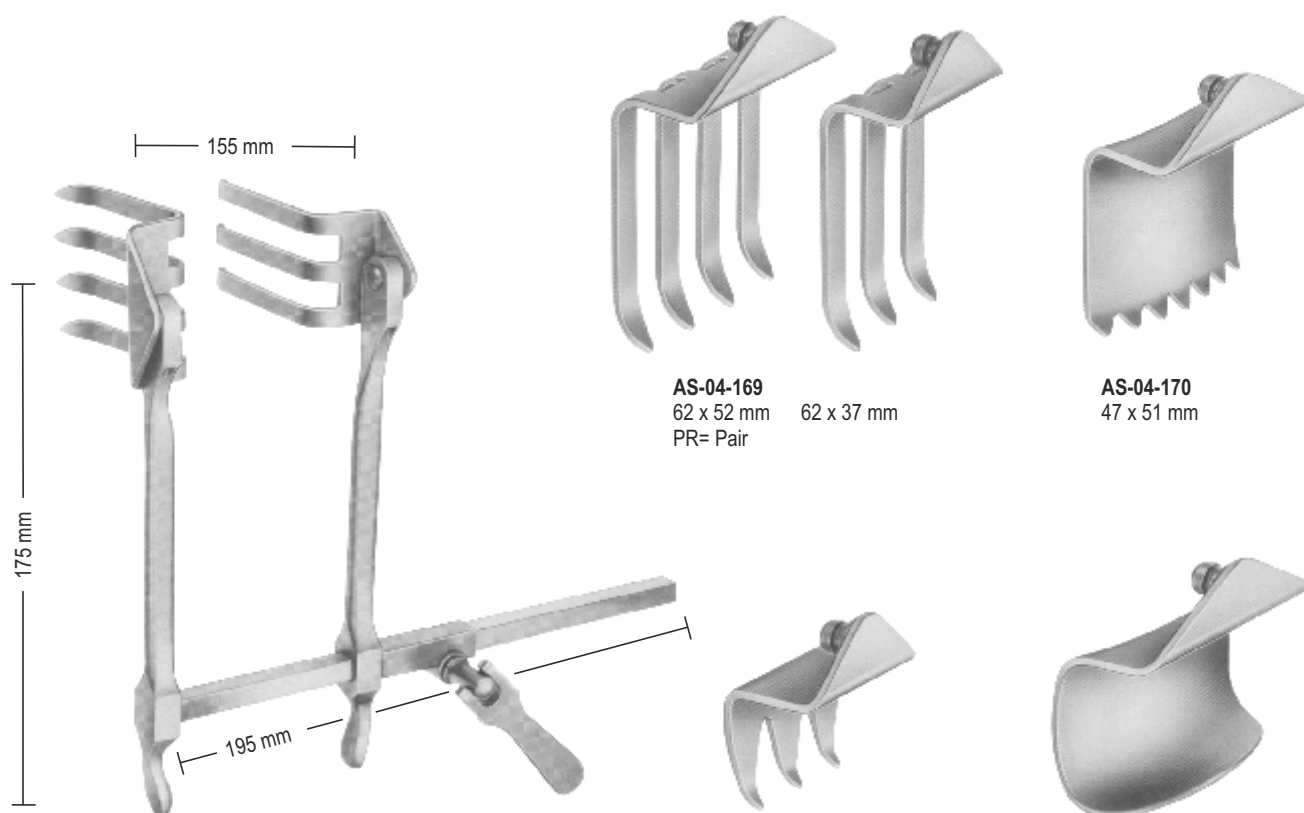
MOLLISON
Sharp
AS-04-166
15.5 cm



MAYO-ADAMS
AS-04-167
16.5 cm



TRAVERS
AS-04-168
21.5 cm



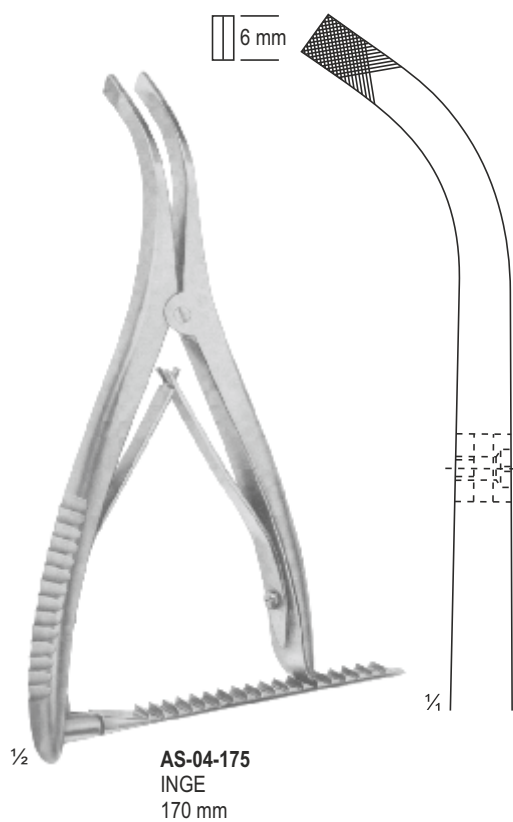
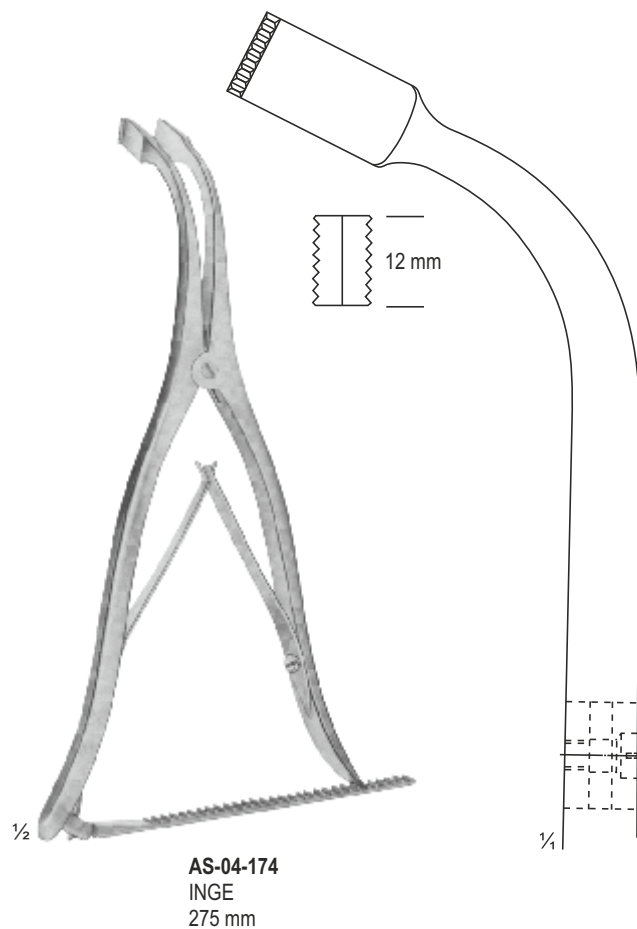
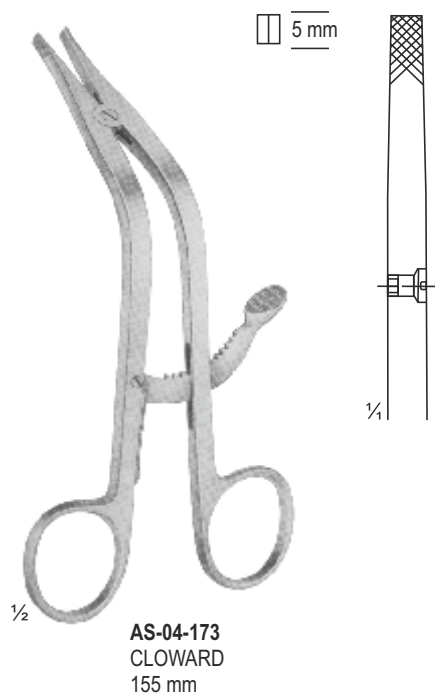
AS-04-169 - AS-04-172
SCOVILLE-RICHTER
Retractor with 1 pair
blades reversible type.
The Retractor bar and
shanks may be easily
rotated 180 when
blades are in situ.

AS-04-169
62 x 52 mm 62 x 37 mm
PR= Pair

AS-04-170
47 x 51 mm

AS-04-171
30 x 40 mm

AS-04-172
37 x 62 mm





WEITLANER
Sharp
AS-04-176
11 cm



WEITLANER
Semi-Sharp
AS-04-177
11 cm



WEITLANER
Blunt
AS-04-178
11 cm



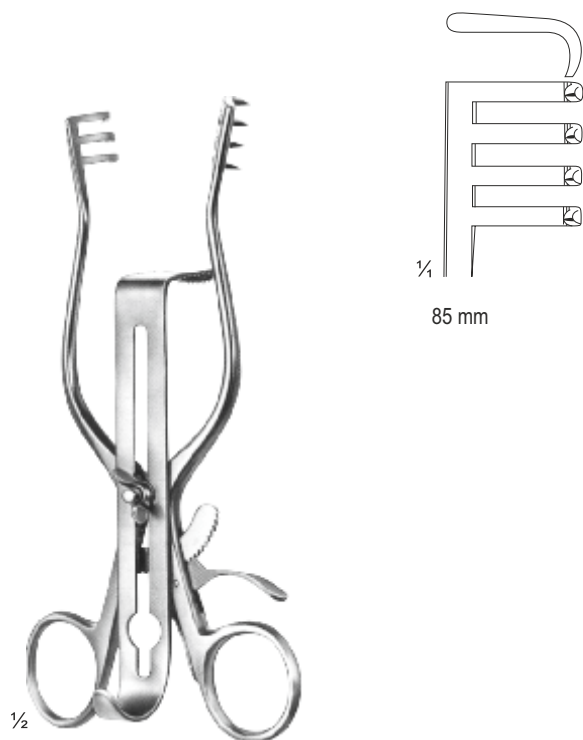
WEITLANER
Sharp
AS-04-179
13 cm



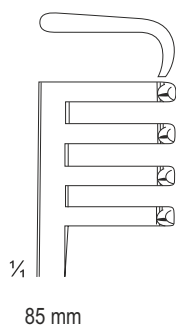
WEITLANER
Semi-Sharp
AS-04-180
13 cm



WEITLANER
Blunt
AS-04-181
13 cm



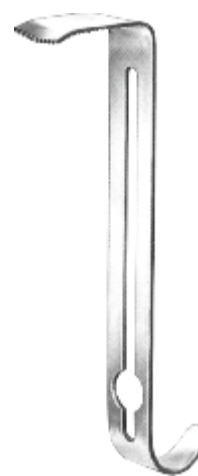
HENLEY
Complete with 3 Central Blades
AS-04-182 - AS-04-184
16.5 cm



Blades
AS-04-182
19 X 17 mm



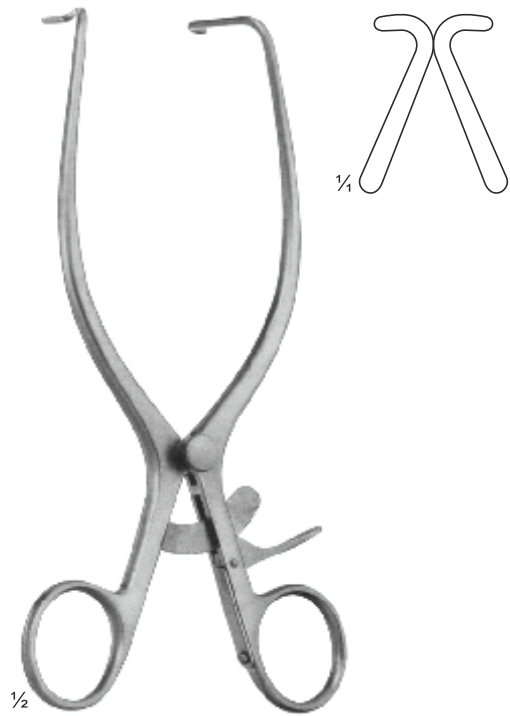
Blades
AS-04-183
25 X 17 mm



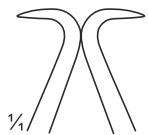
Blades
AS-04-184
32 X 17 mm



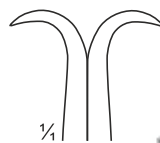
JOLL (FRIEDMAN)
AS-04-185
Thyroid and Vaginal Retractor
15.5 cm



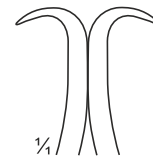
JACKSON BURROWS
AS-04-186
Retractor, blunt
18.5 cm



GELPI
AS-04-187
13.5 cm



GELPI
AS-04-188
17.5 cm



DE BAKEY
AS-04-189
14.5 cm

½

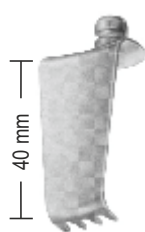
O'SULLIVAN-O'CONNOR
AS-04-190 - AS-04-192



Blades for
Fig. 1 = **AS-04-190** 45 X 17 mm
Fig. 2 = **AS-04-191** 90 X 37 mm
Fig. 3 = **AS-04-192** 90 X 45 mm



CLOWARD modif.
Spreader Only
AS-04-193 - AS-04-202



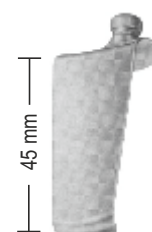
16 mm
AS-04-193



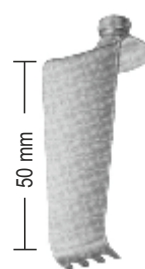
16 mm
AS-04-194



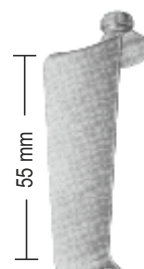
16 mm
AS-04-195



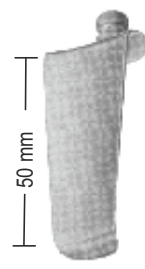
16 mm
AS-04-196



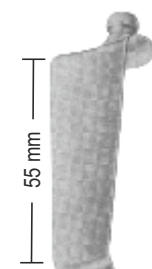
16 mm
AS-04-197



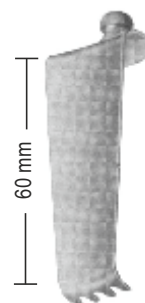
16 mm
AS-04-198



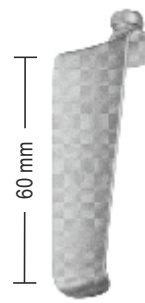
16 mm
AS-04-199



16 mm
AS-04-200



16 mm
AS-04-201



16 mm
AS-04-202



CLOWARD-TYPE

AS-04-203

25.5 cm

with ball snap closure Cervical Retractor
complete consisting of Retractor Body
25.5 cm, 110 mm spread (without blades)



AS-04-204 - AS-04-208

AS-04-204 15 x 40 mm

AS-04-205 15 x 45 mm

AS-04-206 15 x 50 mm

AS-04-207 15 x 55 mm

AS-04-208 15 x 60 mm
serrated



AS-04-209 - AS-04-213

AS-04-209 15 x 40 mm

AS-04-210 15 x 45 mm

AS-04-211 15 x 50 mm

AS-04-212 15 x 55 mm

AS-04-213 15 x 60 mm
Blunt



CONE

AS-04-214 - AS-04-221

AS-04-214 14 cm, 18 mm 3 x 4

AS-04-215 16 cm, 18 mm 3 x 4

AS-04-216 20 cm, 20 mm 3 x 4

AS-04-217 24 cm, 27 mm 3 x 4

AS-04-218 14 cm, 18 mm 3 x 4

AS-04-219 16 cm, 18 mm 3 x 4

AS-04-220 20 cm, 20 mm 3 x 4

AS-04-221 24 cm, 27 mm 3 x 4
prongs blunt



MARKHAM-MEYERDING

AS-04-222

18 cm, 50 x 25 mm left
Hemilaminectomy Retractor



MARKHAM-MEYERDING

AS-04-223

18 cm, 50 x 25 mm right
Hemilaminectomy Retractor



MINI-WEITLANER

AS-04-224 - AS-04-225

AS-04-224 11 cm, 16 mm 2 x 3 prongs sharp

AS-04-225 11 cm, 16 mm 2 x 3 prongs blunt



WEITLANER

AS-04-226 - AS-04-233

AS-04-226 13 cm, 18 mm 3 x 4 prongs sharp

AS-04-227 16 cm, 18 mm 3 x 4 prongs sharp

AS-04-228 20 cm, 21 mm 3 x 4 prongs sharp

AS-04-229 25 cm, 27 mm 3 x 4 prongs sharp

AS-04-230 13 cm, 18 mm 3 x 4 prongs blunt

AS-04-231 16 cm, 18 mm 3 x 4 prongs blunt

AS-04-232 20 cm, 21 mm 3 x 4 prongs blunt

AS-04-233 25 cm, 27 mm 3 x 4 prongs blunt



ANDERSON-ADSON

Cerebellar Retractor

AS-04-234 20 cm 4 x 4 prongs sharp



WEITLANER

AS-04-235 - AS-04-236

AS-04-235 26 cm, 27 mm 5 x 6 prongs sharp

AS-04-236 26 cm, 27 mm 5 x 6 prongs blunt



HEMILAMINECTOMY

AS-04-237 - AS-04-238

AS-04-237 29 cm, 42 mm 6 x 6 prongs sharp

AS-04-238 29 cm, 42 mm 6 x 6 prongs blunt



AS-04-239 - AS-04-242

Right blade 42 mm, left blade 22 mm deep

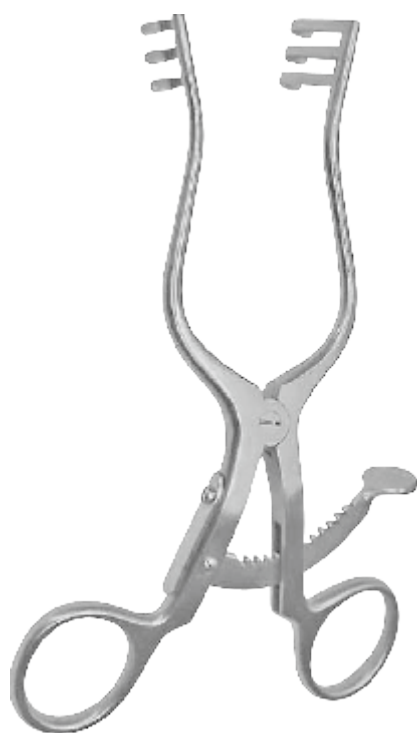
AS-04-239 29 cm, 22/42 mm 6 x 6 prongs sharp

AS-04-240 29 cm, 22/42 mm 6 x 6 prongs blunt

Right blade 22 mm, left blade 42 mm deep

AS-04-241 29 cm, 22/42 mm 6 x 6 prongs sharp

AS-04-242 29 cm, 22/42 mm 6 x 6 prongs blunt



SCALP CONTOUR

AS-04-243 - AS-04-246

AS-04-243	14 cm, 18 mm	1 x 1 prongs blunt
AS-04-244	14 cm, 18 mm	3 x 3 prongs blunt
AS-04-245	14 cm, 18 mm	3 x 4 prongs sharp
AS-04-246	14 cm, 18 mm	3 x 4 prongs blunt



BECKMANN-ADSON

AS-04-247 - AS-04-252

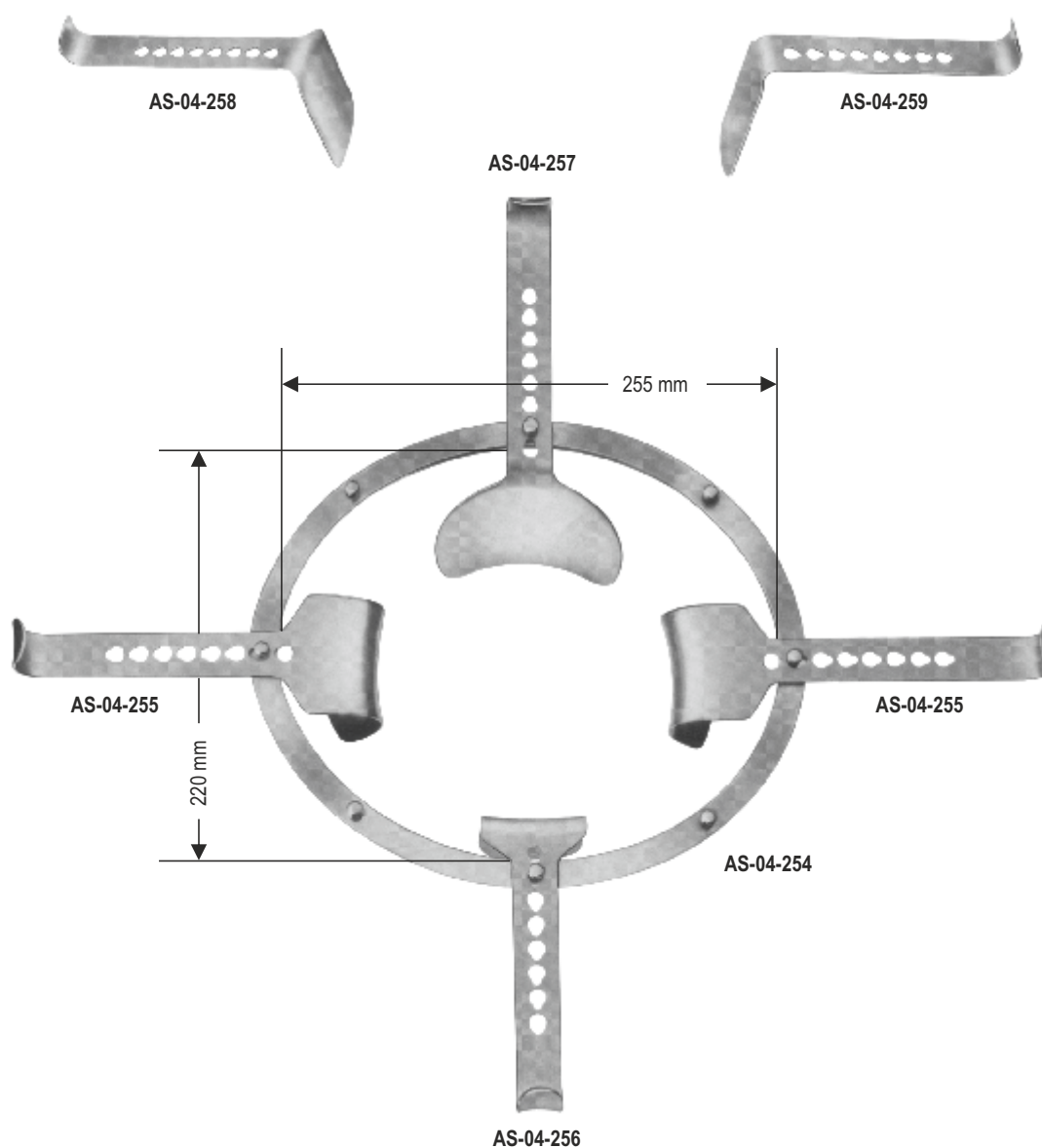
AS-04-247	31 cm, 25 mm	4 x 4 prongs sharp
AS-04-248	31 cm, 37 mm	4 x 4 prongs sharp
AS-04-249	31 cm, 48 mm	4 x 4 prongs sharp
AS-04-250	31 cm, 25 mm	4 x 4 prongs blunt
AS-04-251	31 cm, 37 mm	4 x 4 prongs blunt
AS-04-252	31 cm, 48 mm	4 x 4 prongs blunt



BECKMANN-EATON

AS-04-253

32 cm, 50 mm	7 x 7 prongs sharp
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AS-04-254 - AS-04-259

SEMM

consisting of:

AS-04-254 1 frame 225 x 220 mm

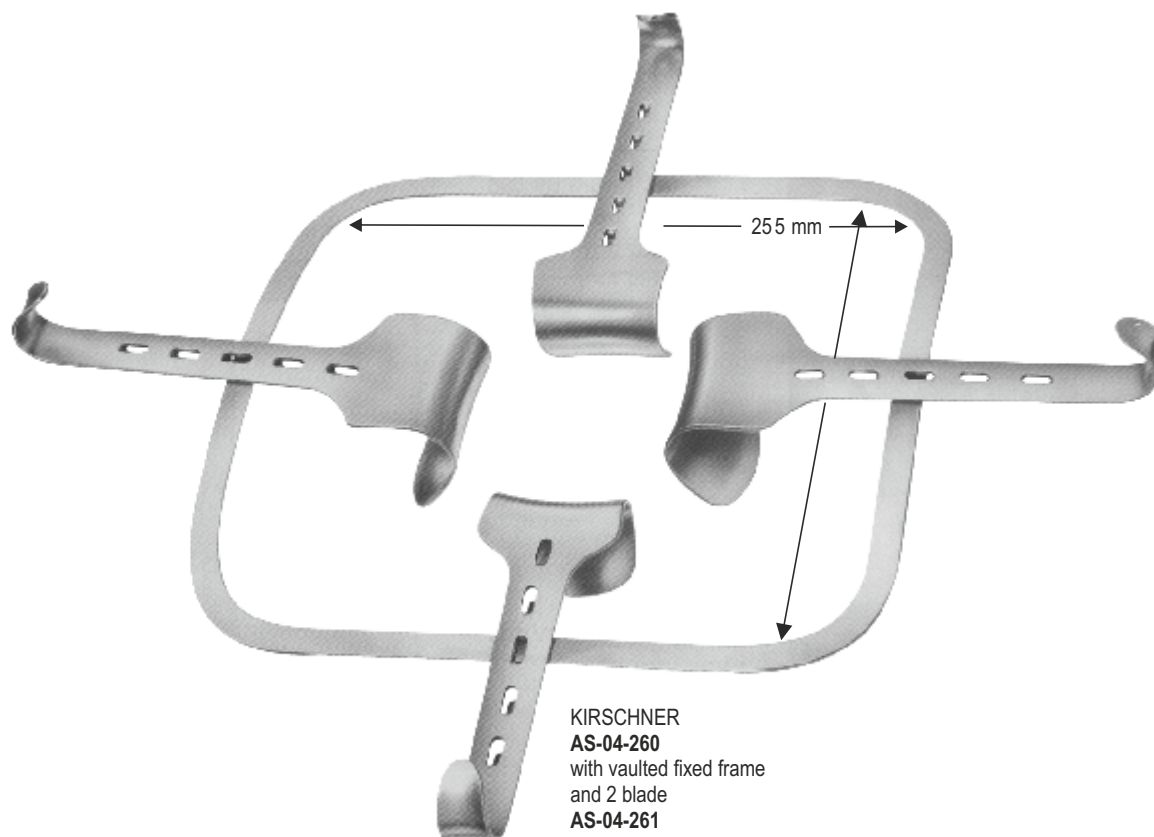
AS-04-255 2 blades 46 x 64 mm

AS-04-256 1 blade 53 x 54 mm
(for bladder)

AS-04-257 1 blade 82 x 97 mm
(for intestine)

AS-04-258 1 blade 98 x 51 mm
(for intestine)

AS-04-259 1 blade, narrow
107 x 36 mm



KIRSCHNER
AS-04-260
with vaulted fixed frame
and 2 blade
AS-04-261
275 x 355 mm
Frame only, over-sized
AS-04-262
295 x 275 mm
Frame only



AS-04-263
KIRSCHNER
64 x 80 mm



AS-04-264
KIRSCHNER-BALFOUR
80x 82 mm



AS-04-265 - AS-04-267
KIRSCHNER
AS-04-265 90x 69mm
AS-04-266 92x 95mm
AS-04-267 78x 58mm

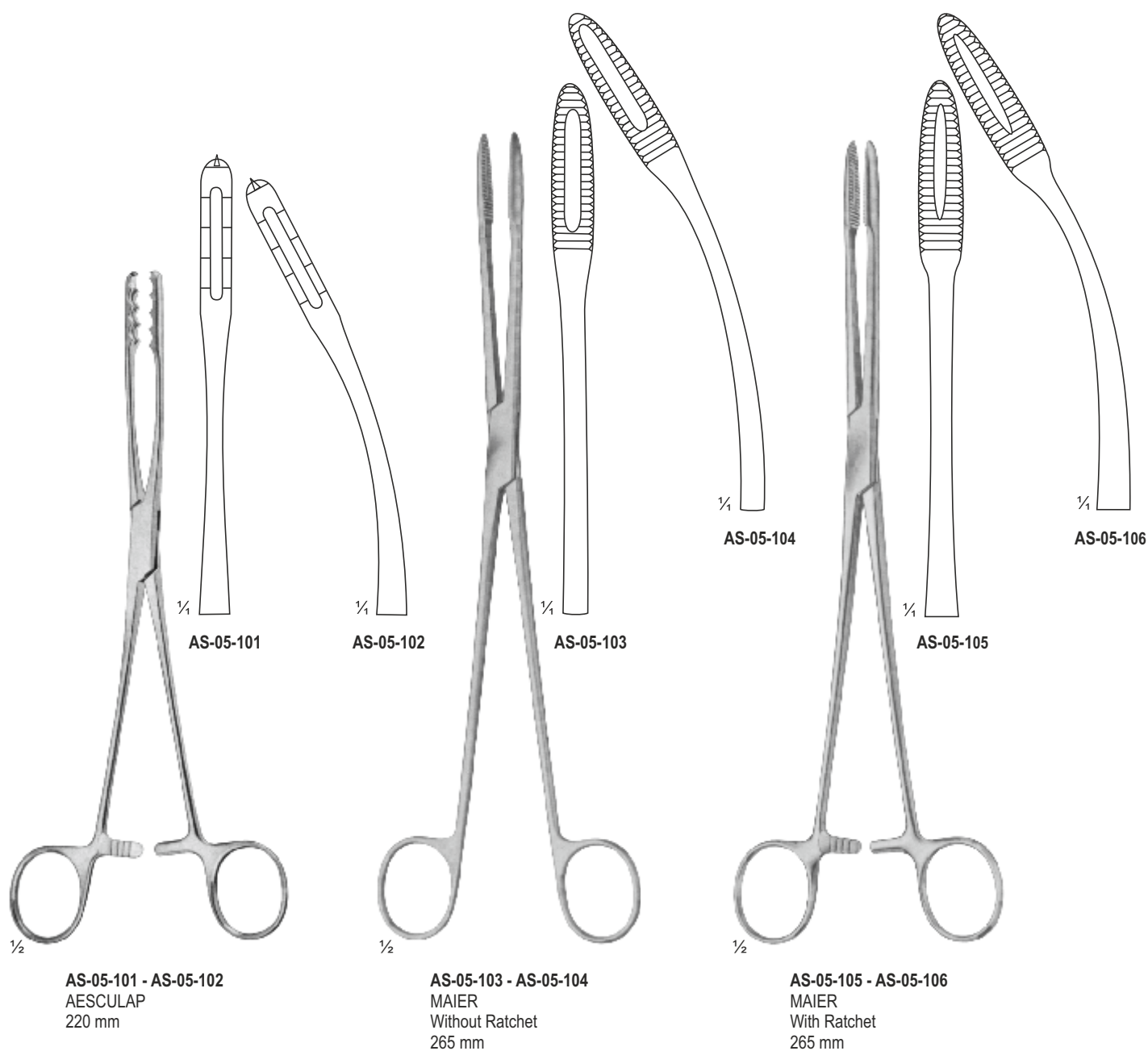


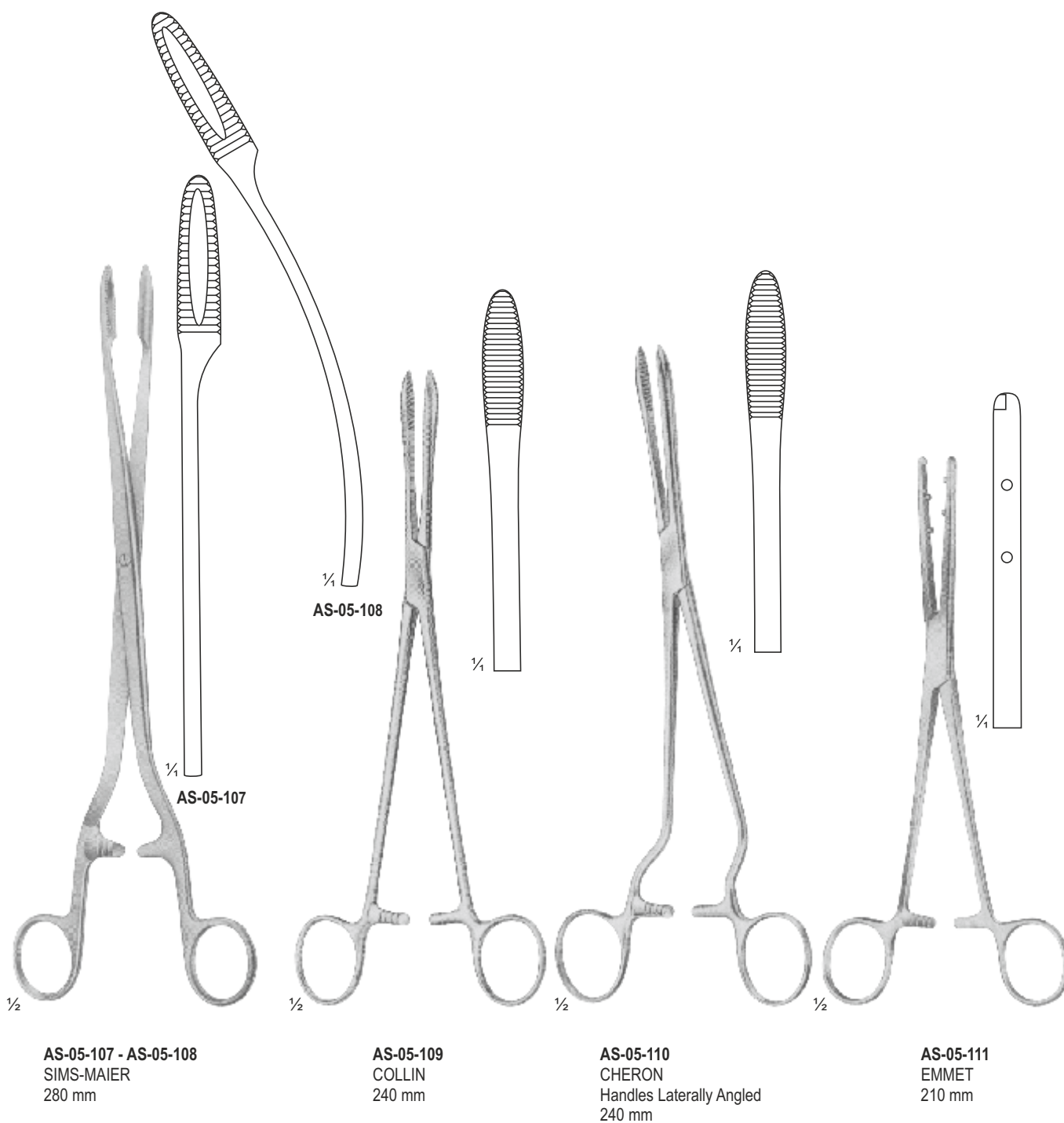
AS-04-268 - AS-04-270
KIRSCHNER
AS-04-268 108x42mm
AS-04-269 91x 55mm
AS-04-270 121x 55mm

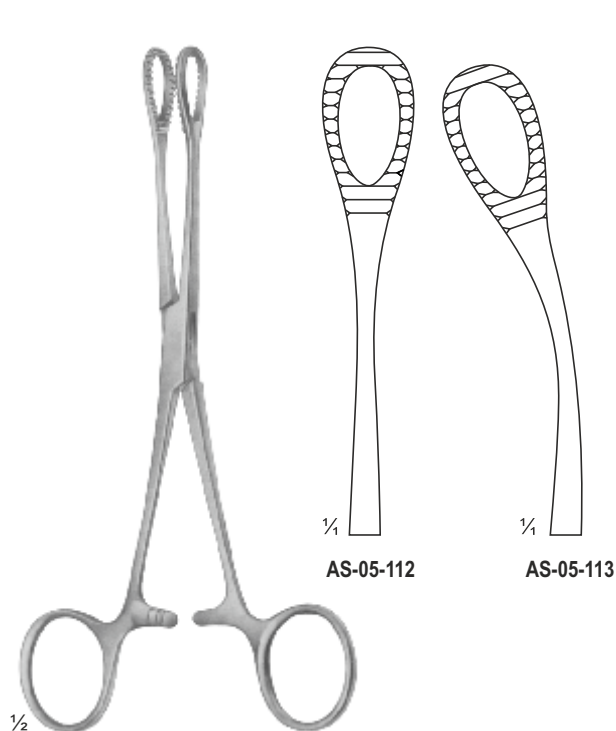


Page 103–111

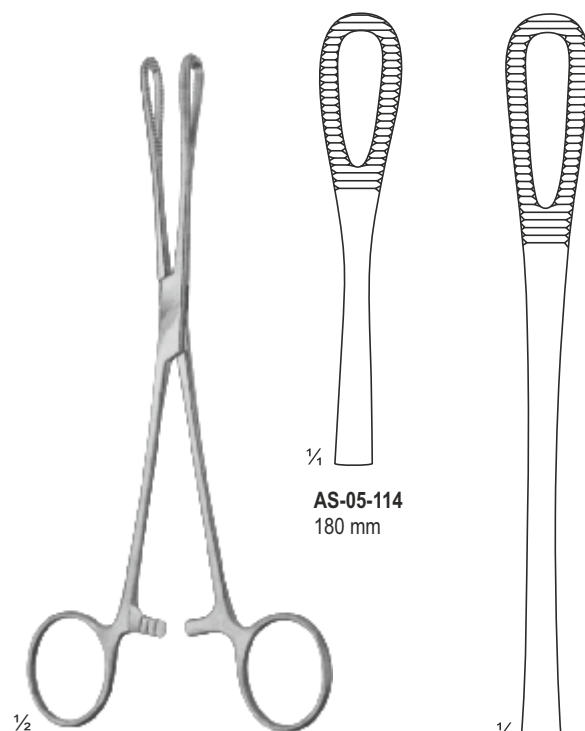
- Sponge and Dressing Forceps
- Washing Forceps
- Organ and Tissue Grasping Forceps
- Towel Clamps





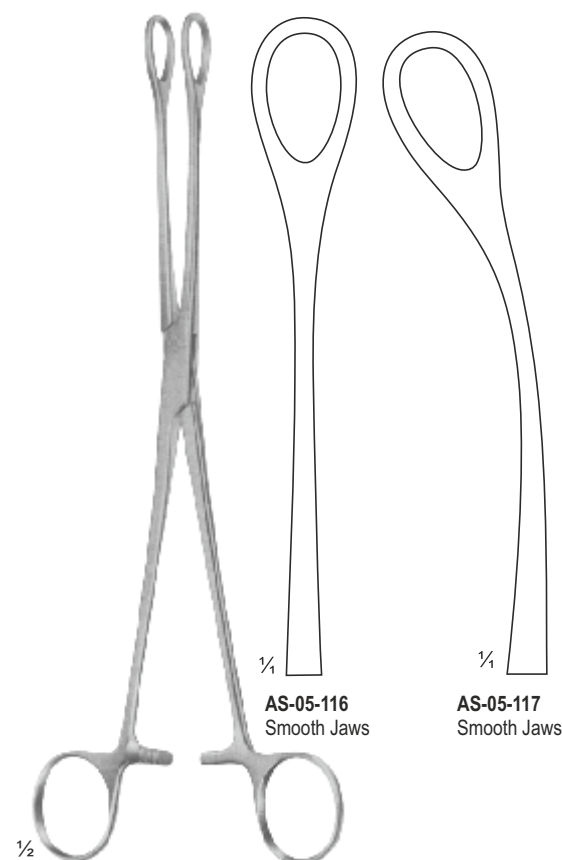


AS-05-112 - AS-05-113
FOERSTER-BALLENGER
180 mm

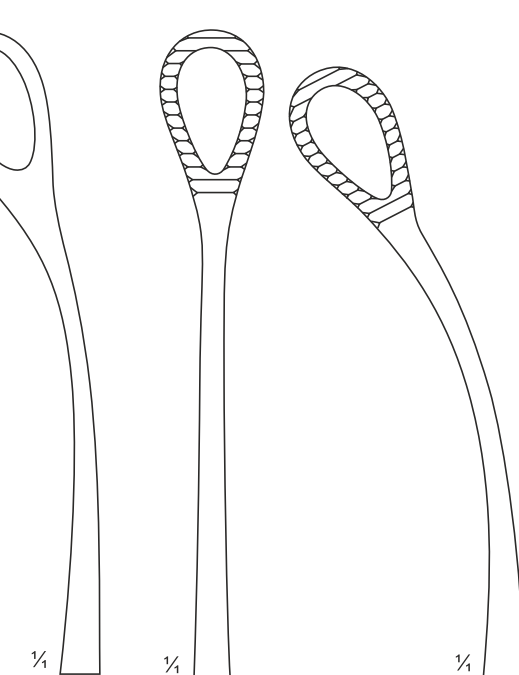


AS-05-114 - AS-05-115
RAMPLEY

AS-05-115
250 mm



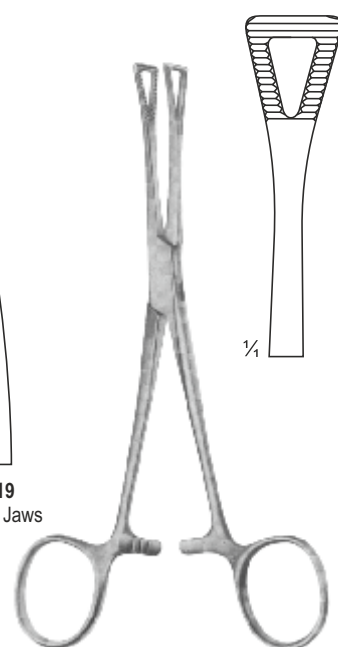
AS-05-116 - AS-05-119
FOERSTER-BALLENGER
240 mm



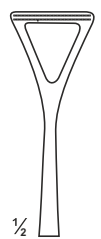
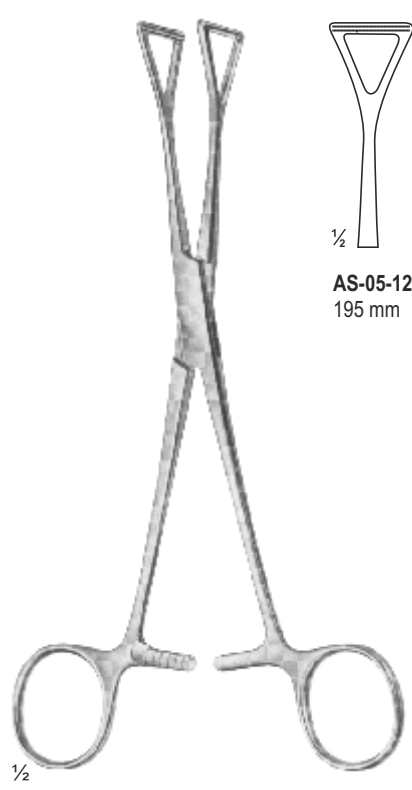
AS-05-117
Smooth Jaws

AS-05-118
Serrated Jaws

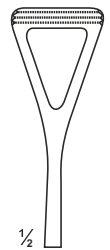
AS-05-119
Serrated Jaws



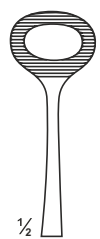
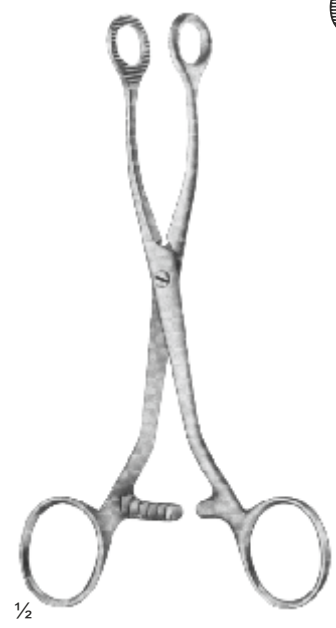
AS-05-120
PENNINGTON
155 mm



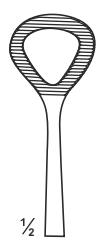
AS-05-121
195 mm



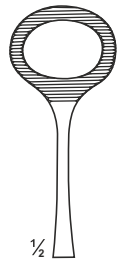
AS-05-122
230 mm



AS-05-123
160 mm



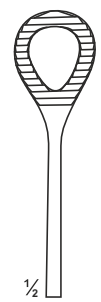
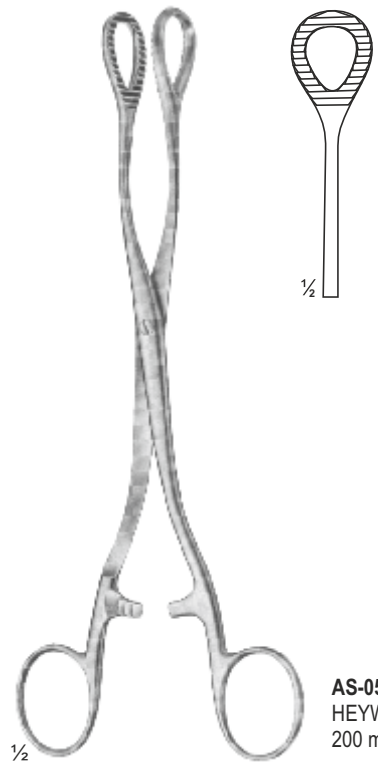
AS-05-124
160 mm



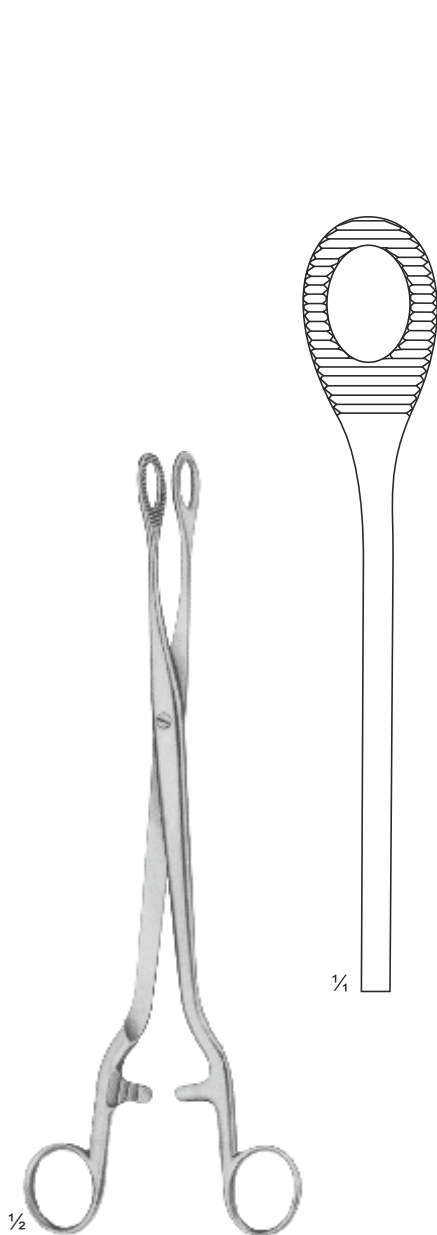
AS-05-125
170 mm

AS-05-121 - AS-05-122
COLLIN

AS-05-123 - AS-05-125
COLLIN



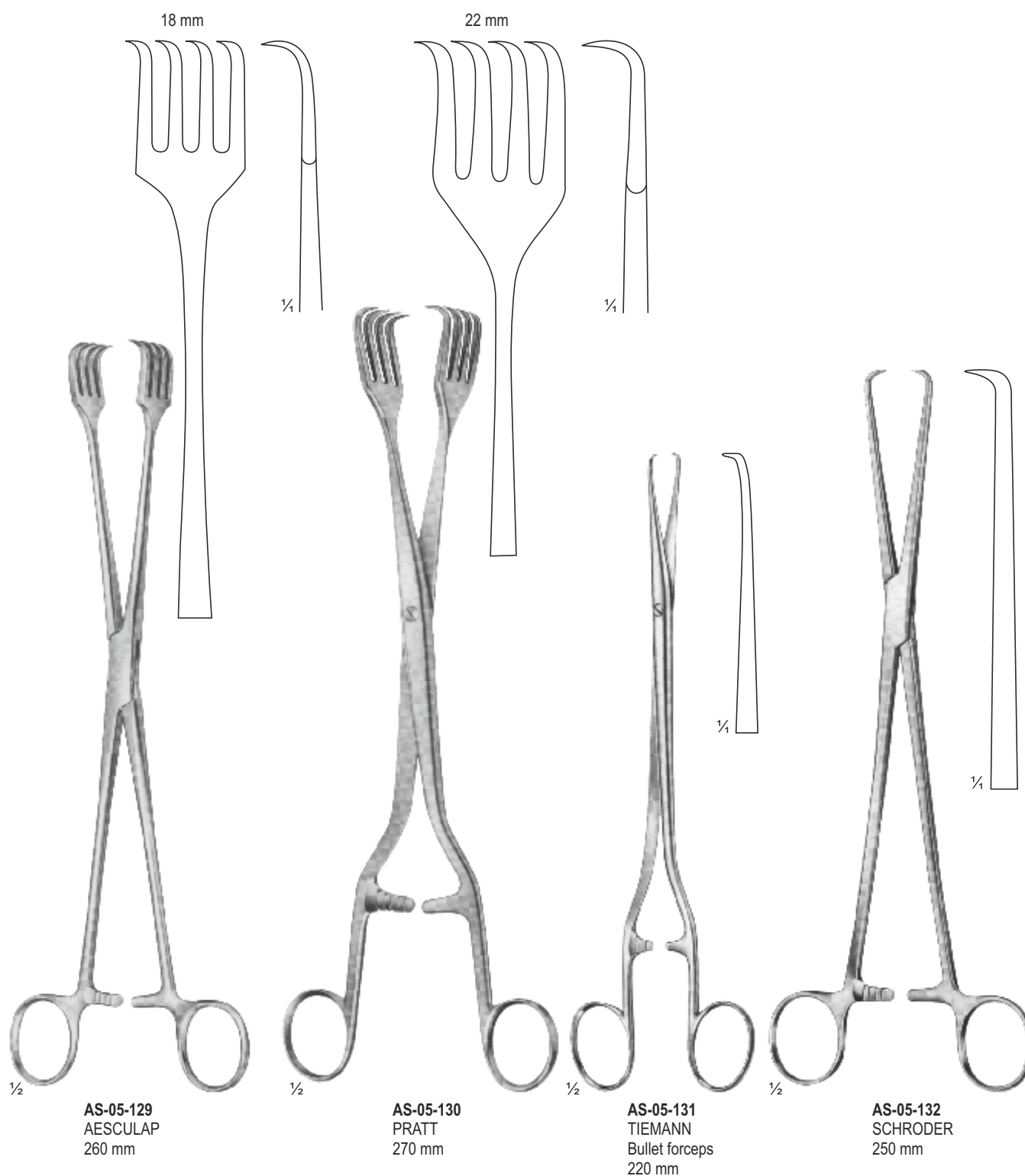
AS-05-126
HEYWOOD-SMITH
200 mm

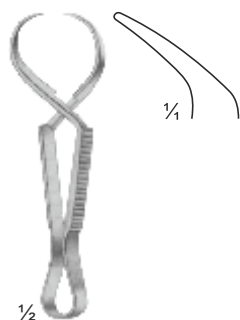


AS-05-127
NOTO
280 mm

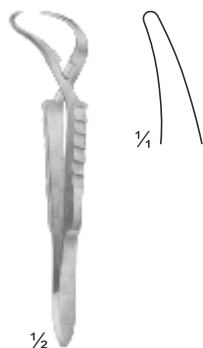


AS-05-128
KELLY
320 mm

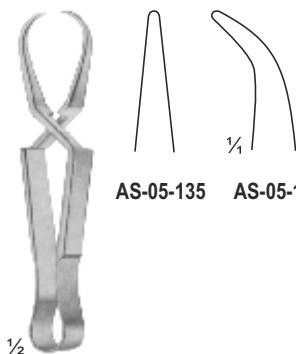




AS-05-133
JONES
85 mm

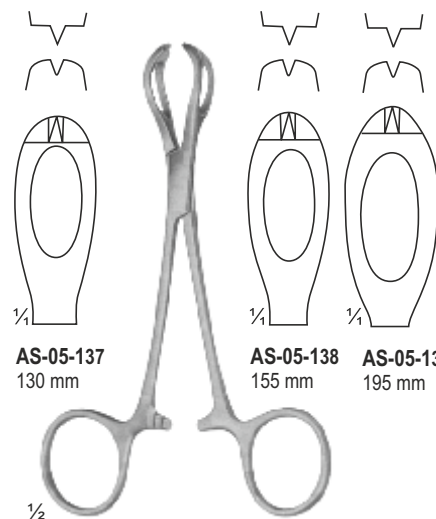


AS-05-134
ENGL. MOD.
85 mm



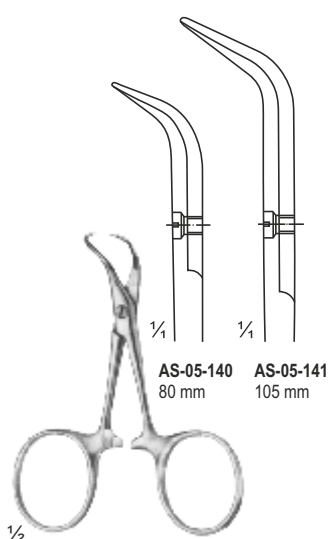
AS-05-135 **AS-05-136**

AS-05-135 - AS-05-137
SCHAEDEL
85 mm

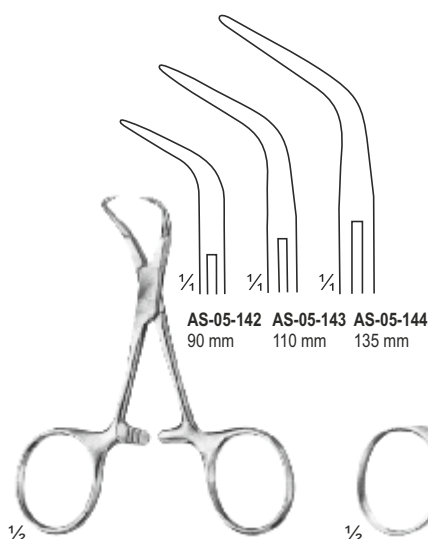


AS-05-137 130 mm
AS-05-138 155 mm
AS-05-139 195 mm

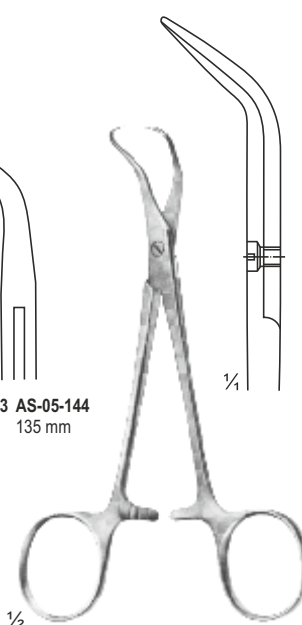
AS-05-138 - AS-05-139
LANE



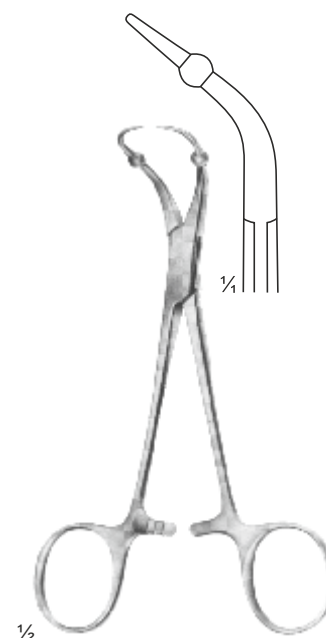
AS-05-140 - AS-05-141
BACKHAUS



AS-05-142 - AS-05-144
BACKHAUS



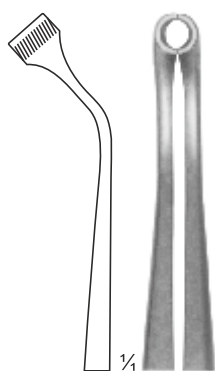
AS-05-145
BACKHAUS-KOCHER
135 mm



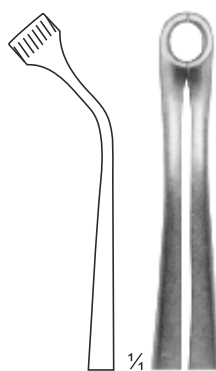
AS-05-146
ROEDER
135 mm



HERZ
AS-05-147 - AS-05-148
155 mm



AS-05-147



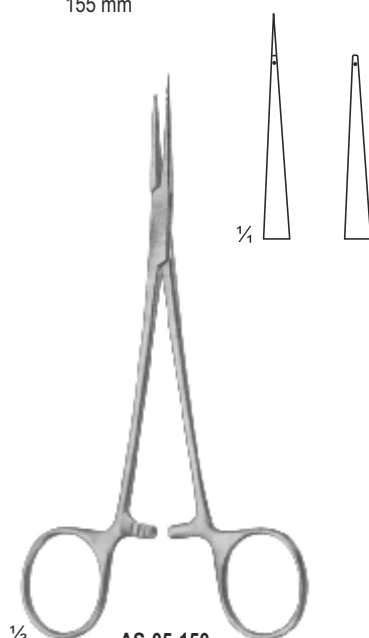
AS-05-148



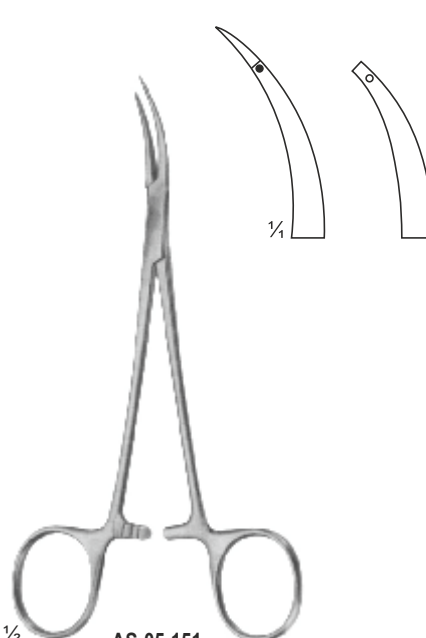
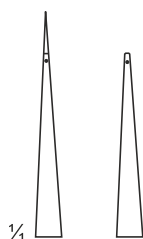
JACKSON
4 x 5 teeth
AS-05-149
150 mm



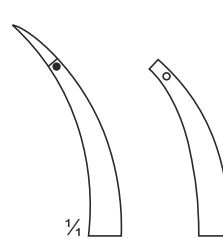
AS-05-149



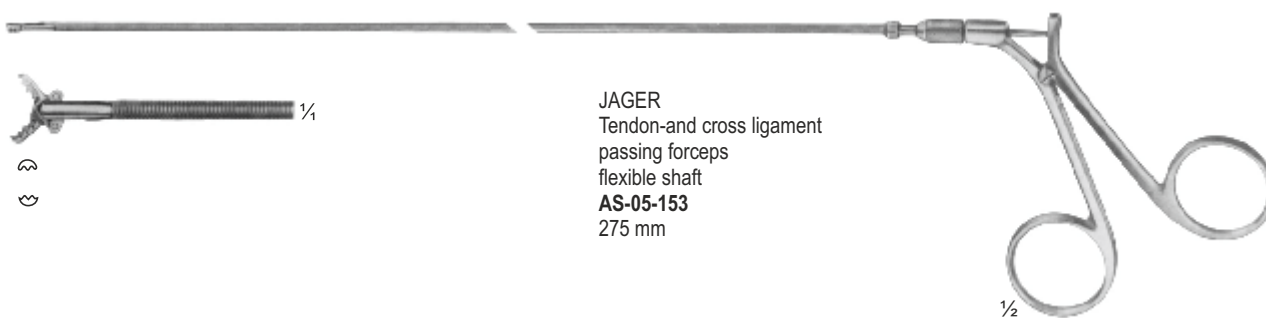
AS-05-150
150 mm



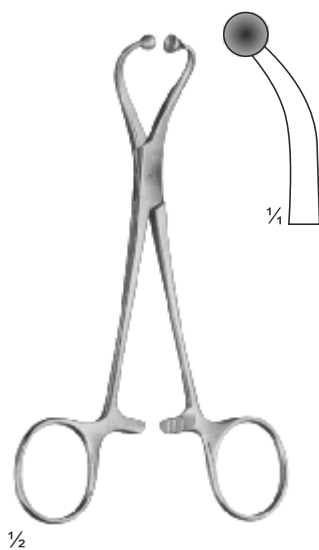
AS-05-151
150 mm



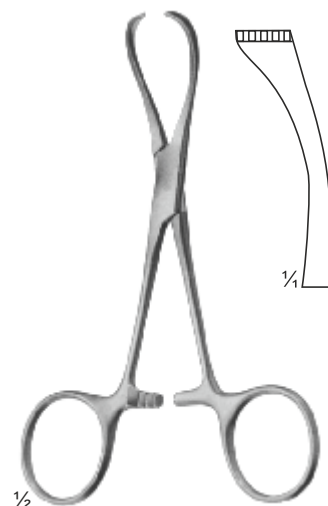
AS-05-152
120 mm



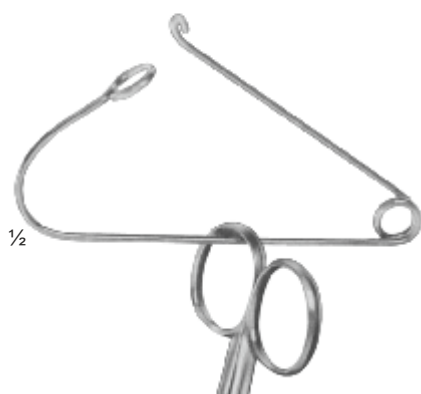
JAGER
Tendon and cross ligament
passing forceps
flexible shaft
AS-05-153
275 mm



AS-05-154
for paper cloths
140 mm



AS-05-155
LORNA
non perforating
130 mm



AS-05-156
BUNT
105 mm



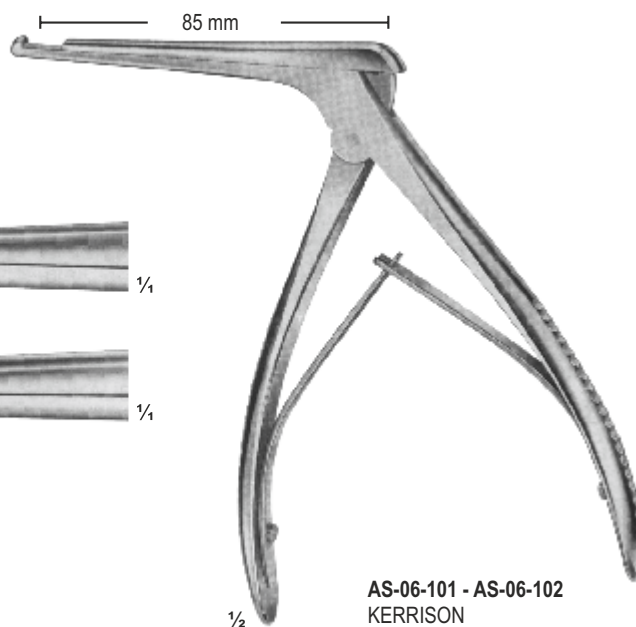
AS-05-157
MAYO
140 mm



Page 112–130

- Bone Punches
- Rongeurs
- Amputation

90° upwards cutting



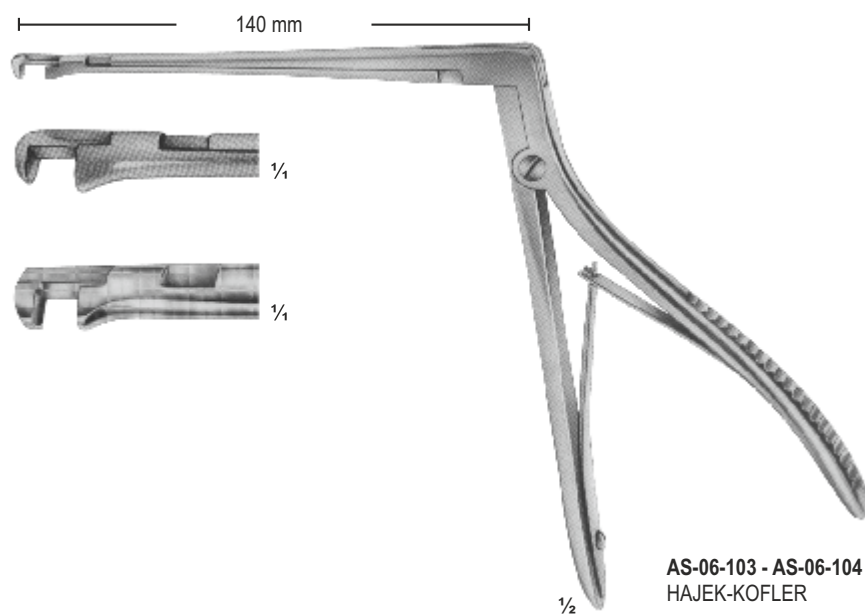
AS-06-101
4 mm



AS-06-102
5 mm



90° upwards cutting



AS-06-103
3,3 mm



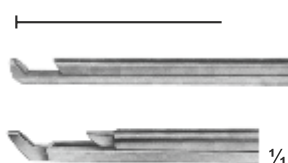
AS-06-104
4,0 mm



130°

upwards cutting

AS-06-105
1 mm



AS-06-106
2 mm



AS-06-107
3 mm



AS-06-108
4 mm



AS-06-109
5 mm

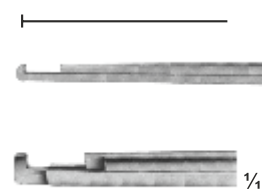


AS-06-105 - AS-06-109
KERRISON-JACOBY

90°

upwards cutting

AS-06-110
1 mm



AS-06-111
2 mm



FERRIS-SMITH-KERRISON

AS-06-112
3 mm



AS-06-113
4 mm



AS-06-114
5 mm



AS-06-110 - AS-06-114
KERRISON-JACOBY

Angled positions for rongeurs

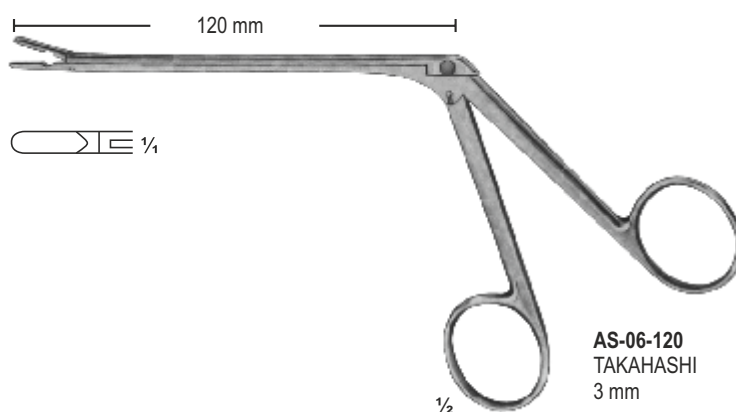
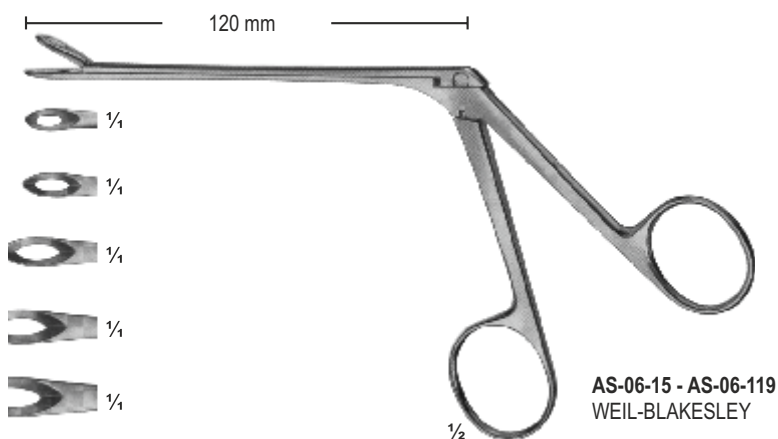
AS-06-115
3,0 mm

AS-06-116
3,6 mm

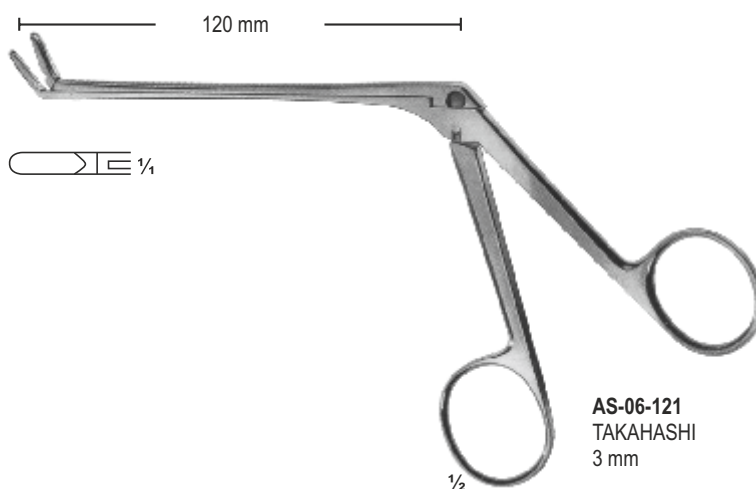
AS-06-117
4,2 mm

AS-06-118
4,8 mm

AS-06-119
5,8 mm



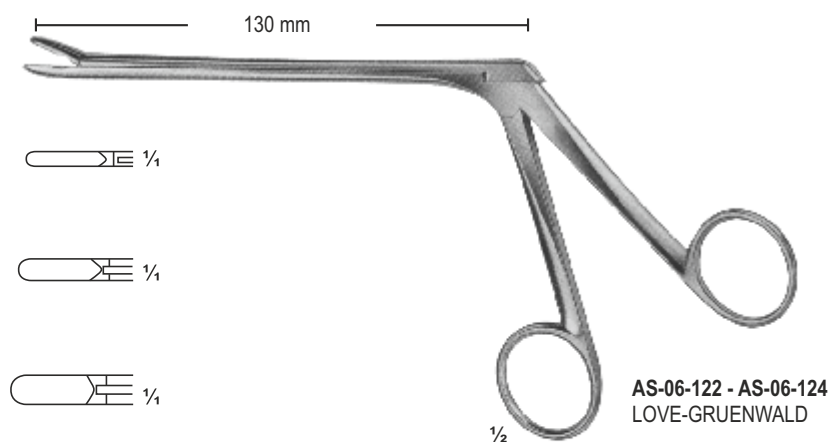
130°



AS-06-122
2 X 10 mm

AS-06-123
3 X 10 mm

AS-06-124
4 X 10 mm

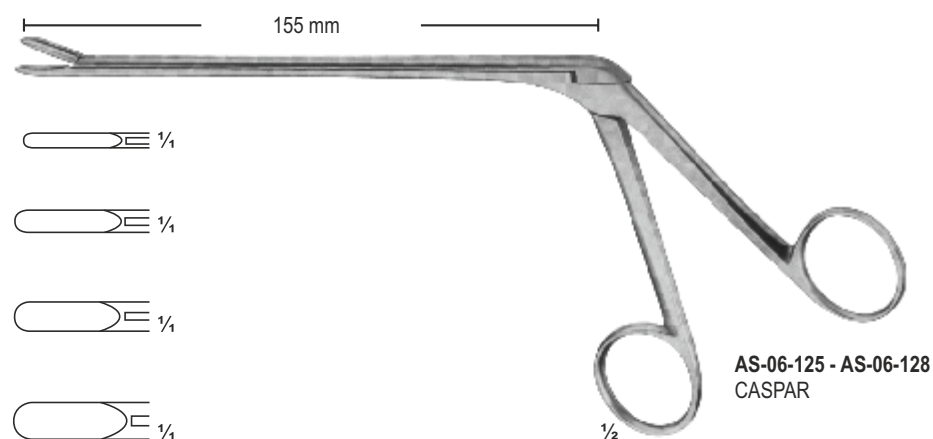


AS-06-125
2 mm

AS-06-126
3 mm

AS-06-127
4 mm

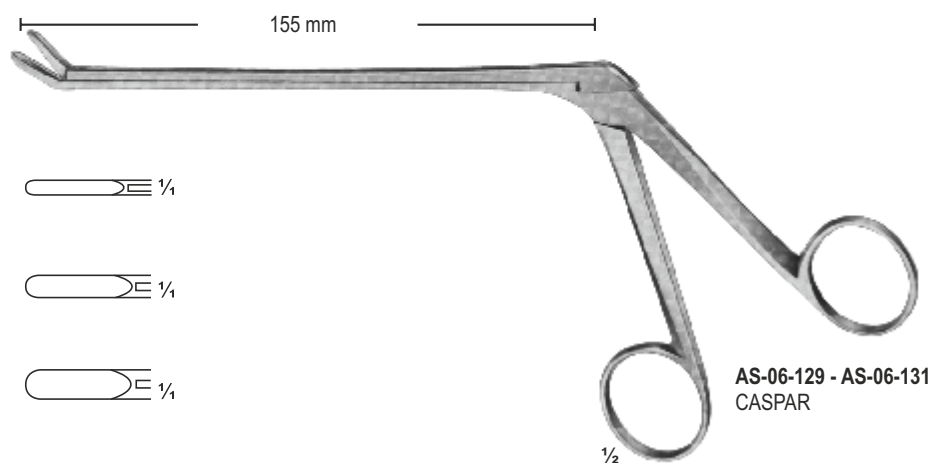
AS-06-128
5 mm



AS-06-129
2 mm

AS-06-130
3 mm

AS-06-131
4 mm



Length of shaft
140 mm

AS-06-132

Length of shaft
160 mm

AS-06-134

Length of shaft
185 mm

AS-06-136

size of jaws

3 X 12 mm

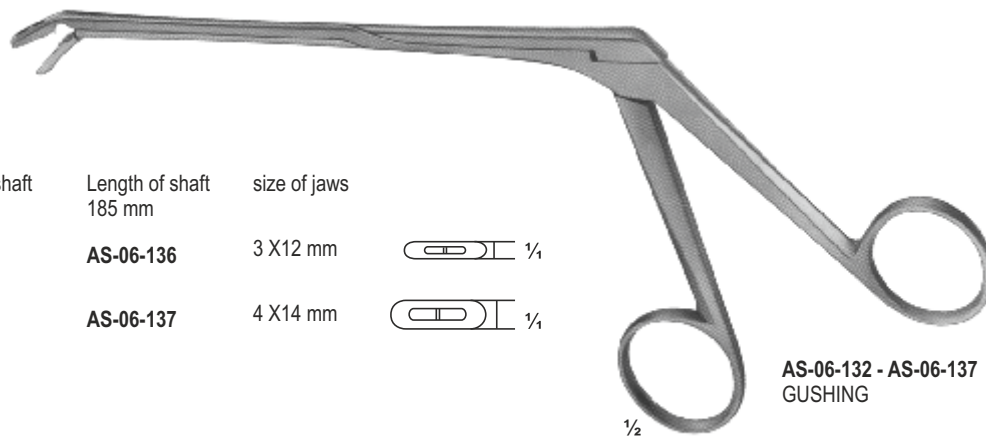


AS-06-133

AS-06-135

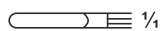
AS-06-137

4 X 14 mm

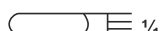


AS-06-132 - AS-06-137
GUSHING

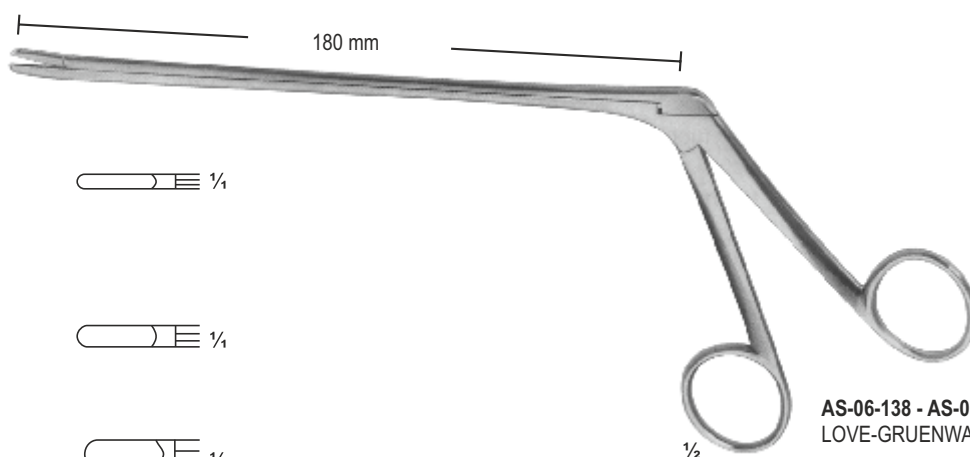
AS-06-138
2 X 10 mm
GUSHING



AS-06-139
3 X 10 mm
LOVE-GRUENWALD



AS-06-140
4 X 10 mm
SPURLING

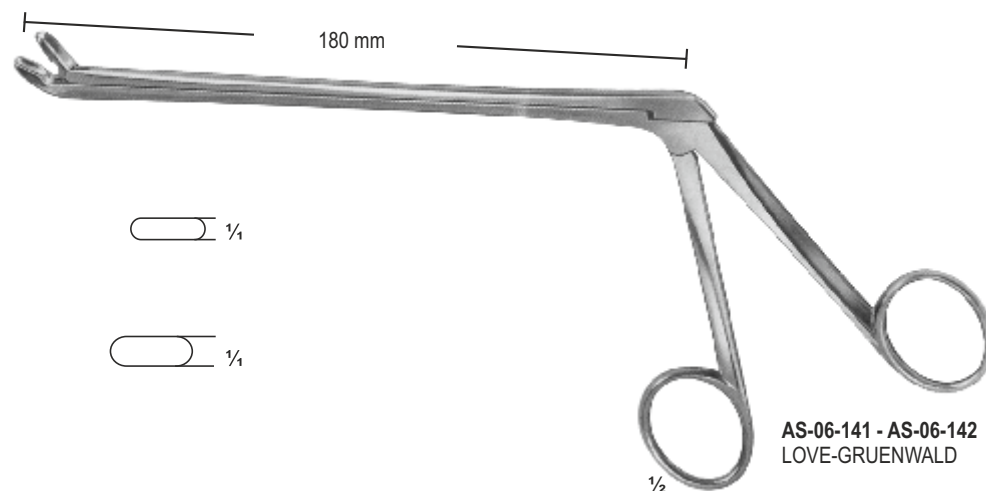


AS-06-138 - AS-06-140
LOVE-GRUENWALD

AS-06-141
3 X 10 mm
LOVE-GRUENWALD



AS-06-142
4 X 10 mm
SPURLING

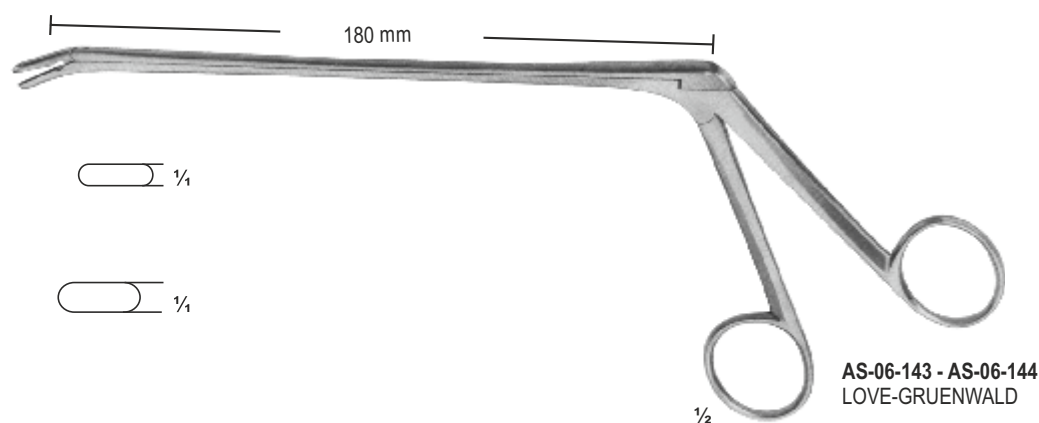


AS-06-141 - AS-06-142
LOVE-GRUENWALD

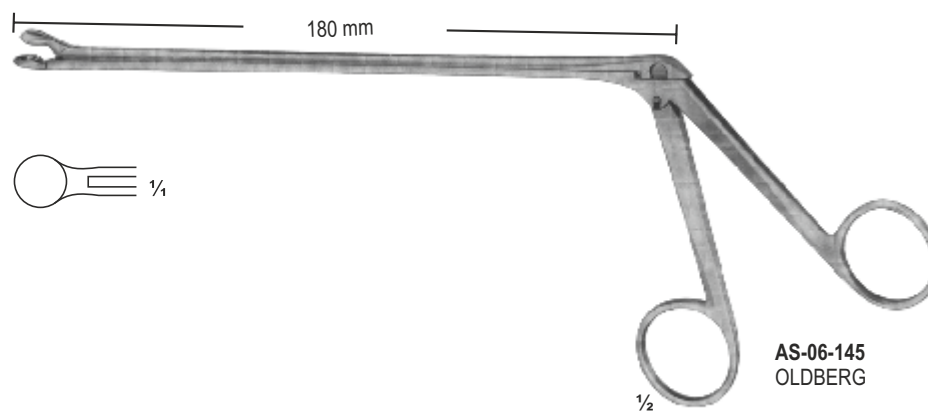
AS-06-143
3 X 10 mm
LOVE-GRUENWALD



AS-06-144
4 X 10 mm
SPURLING



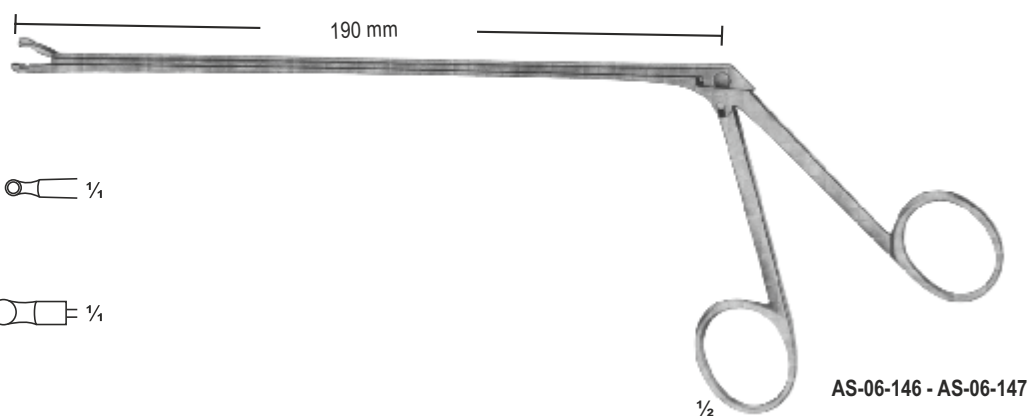
AS-06-145
7 mm

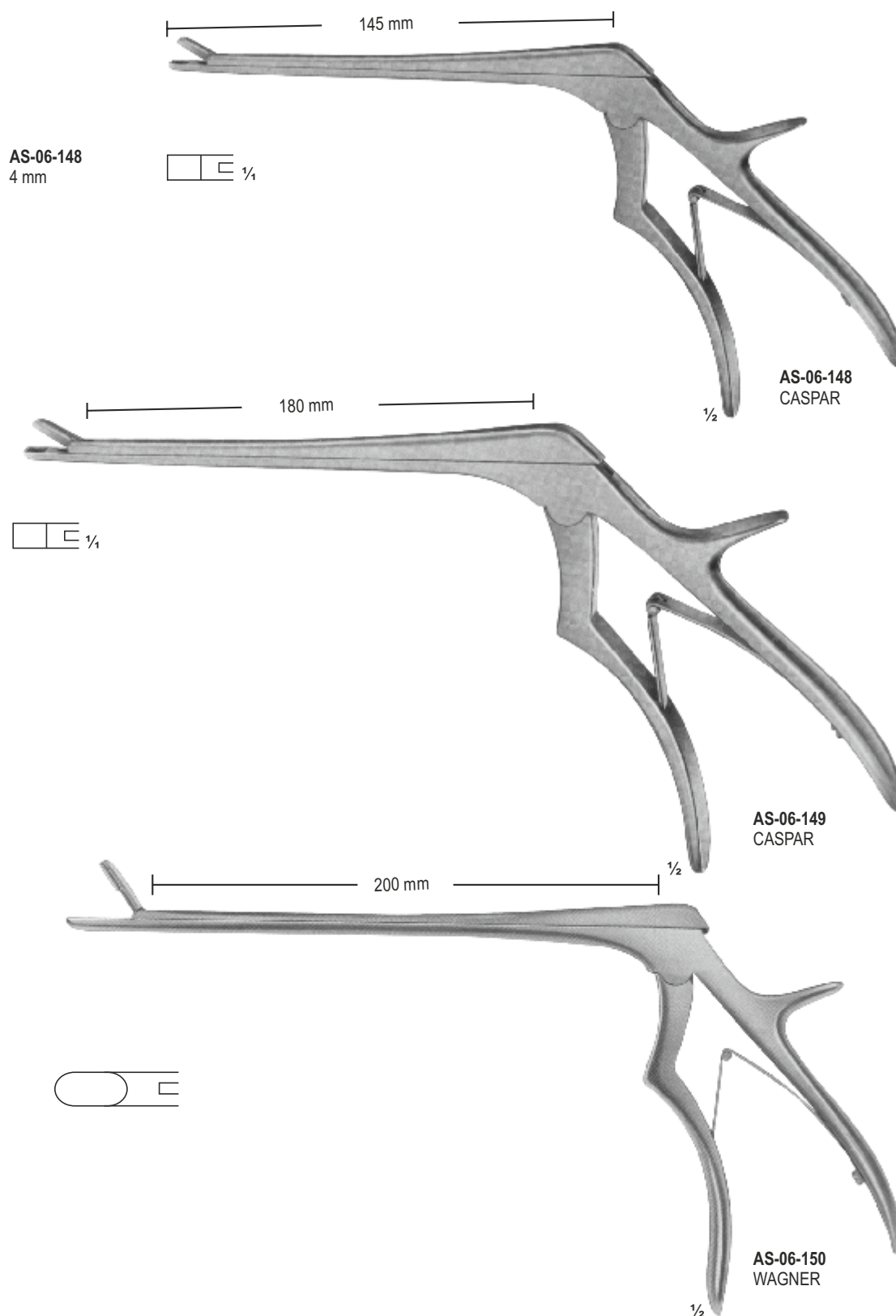


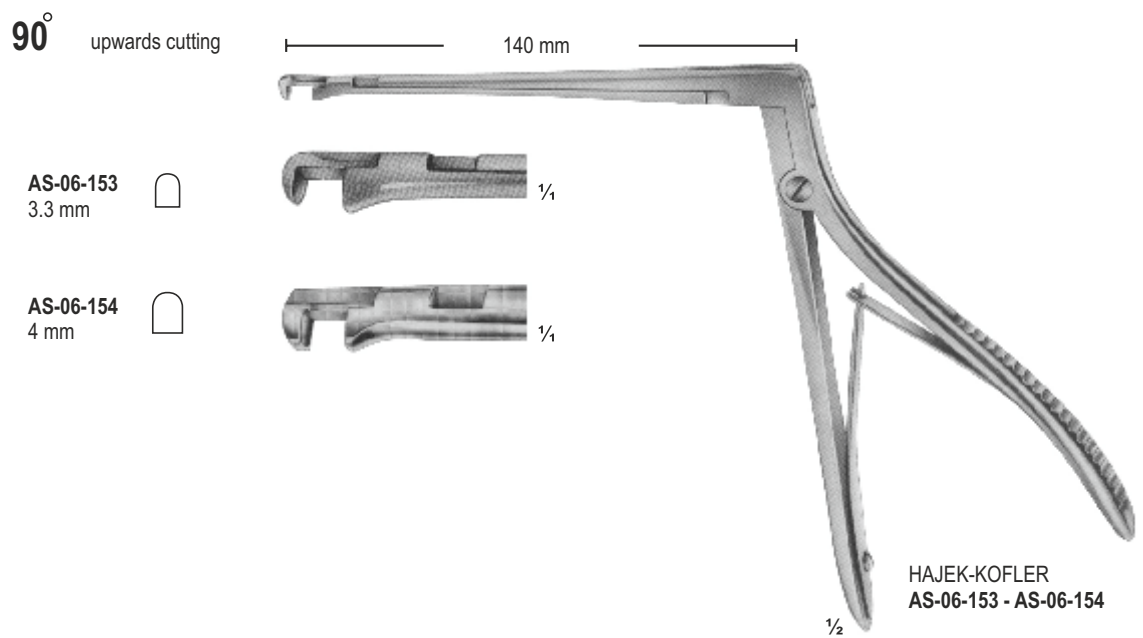
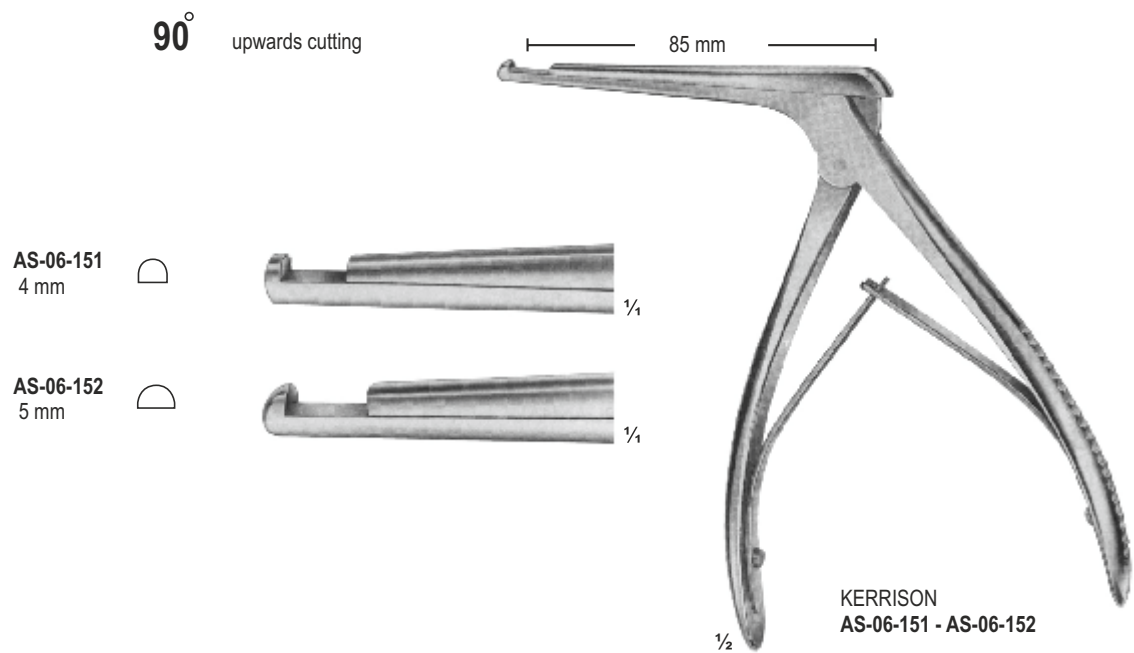
AS-06-146
YASARGIL
2,2 mm

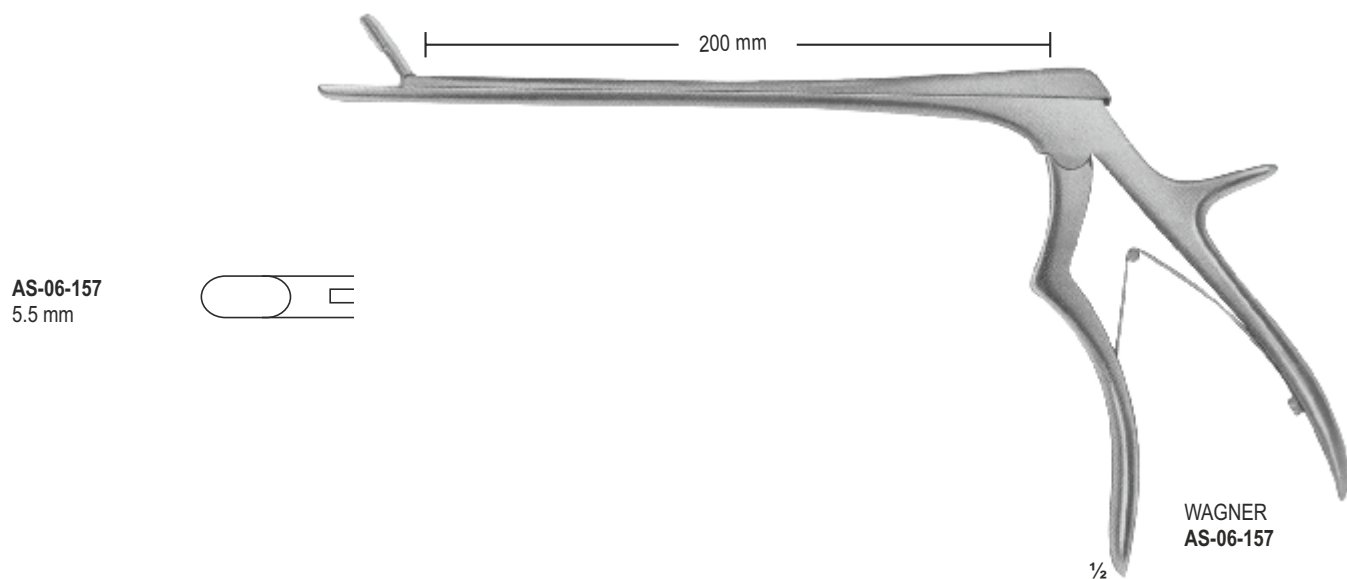
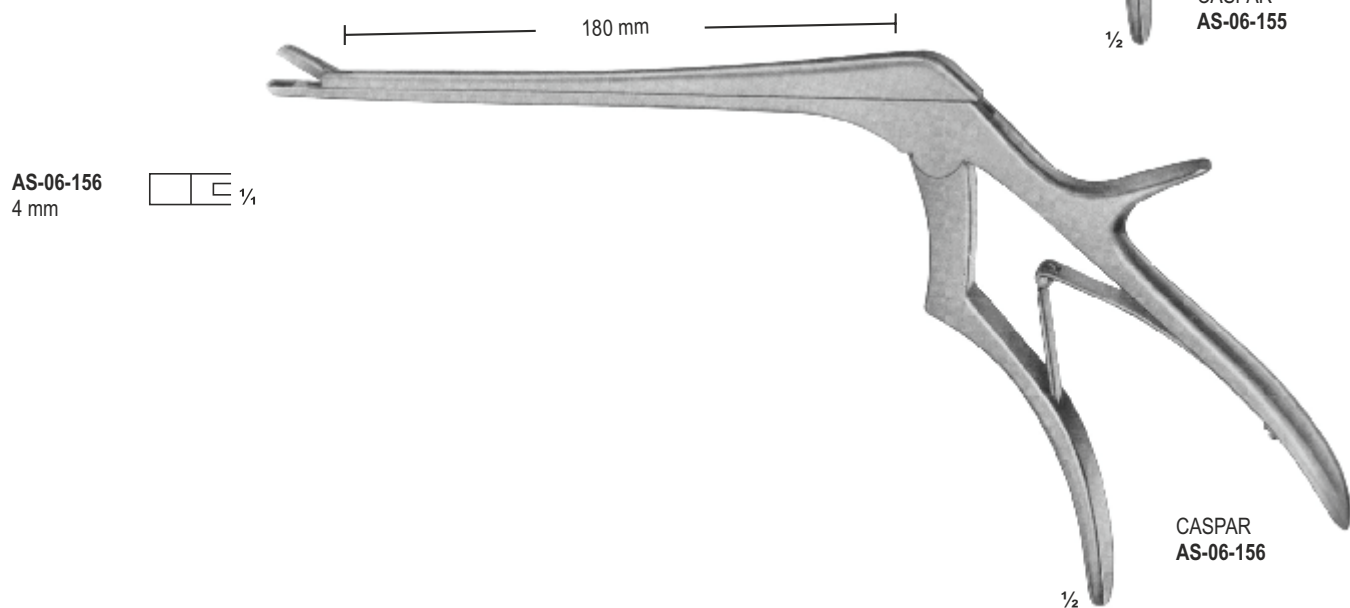
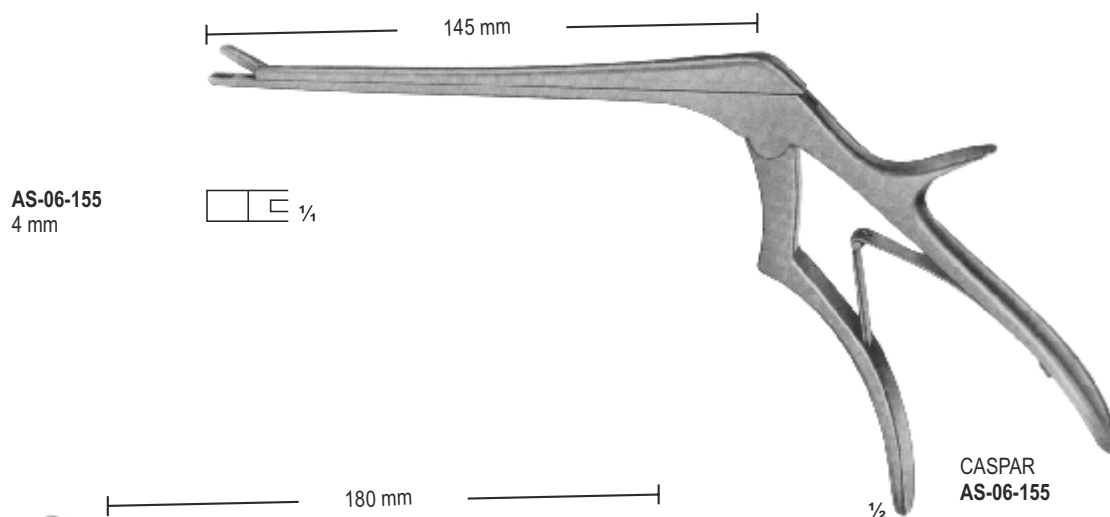


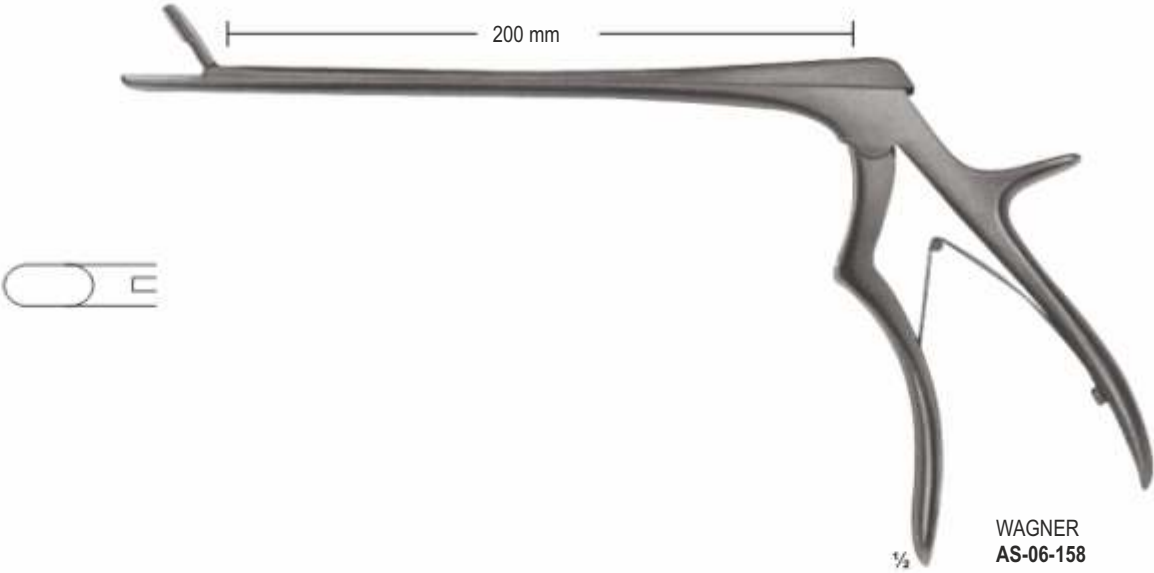
AS-06-147
YASARGIL
3,5 mm









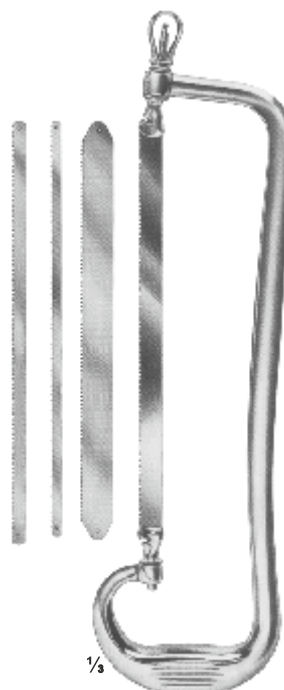


AS-06-158
5.5 mm

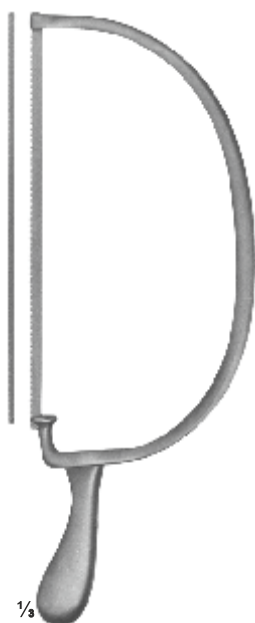
WAGNER
AS-06-158



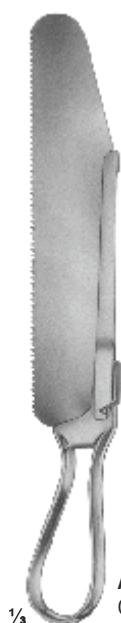
AS-06-159
CHARRIER
Length of blade
215 mm
complete with one saw
blade each
350 mm
Spare saw blades, carbon steel
AS-06-160 12 mm
AS-06-161 20 mm



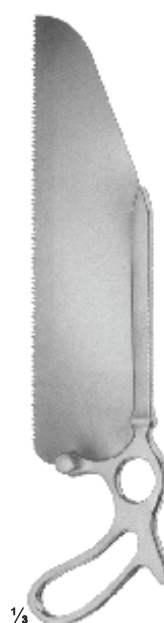
AS-06-162
RUST
Length of blade
235 mm
complete with one saw
blade each
390 mm
AS-06-163 Bow only
Spare saw blades, carbon steel
AS-06-164 6 mm
AS-06-165 12 mm
AS-06-166 20 mm



AS-06-167
BIER
Length of blade
270 mm
complete with one saw
blade each
420 mm
Spare saw blades, carbon steel
AS-06-168 4 mm
AS-06-169 6 mm
AS-06-170 8 mm



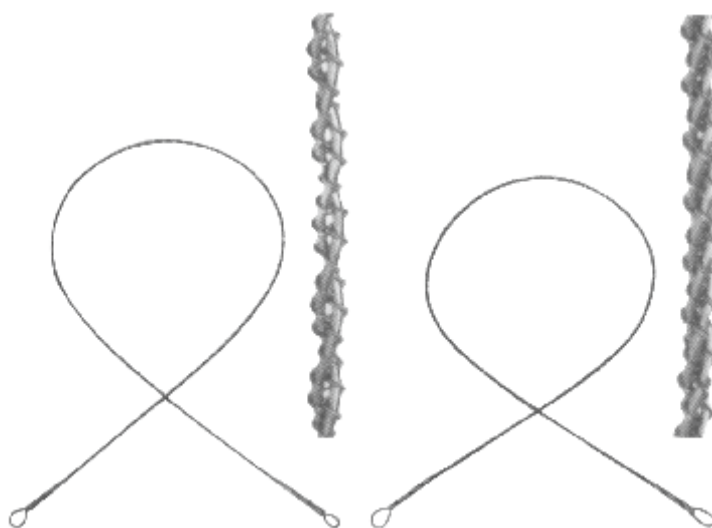
AS-06-171
CHARRIER
Length of blade
180 mm
Spare saw blades,
carbon steel
270 mm
AS-06-172
CHARRIER
Length of blade
240 mm
Spare saw blades,
carbon steel
340 mm



AS-06-173
SATTERLEE
Length of blade
200 mm
Spare saw blades,
carbon steel
290 mm



AS-06-174
LANGENBECK
Length of blade
115 mm
Metacarpal saw
235 mm



OLIVECRONA
AS-06-175 300 mm
AS-06-176 400 mm
AS-06-177 500 mm
AS-06-178 700 mm

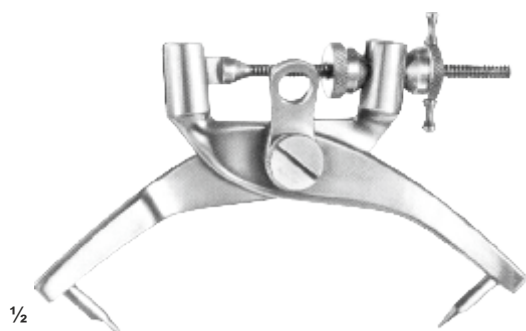
GIGLI
AS-06-179 300 mm
AS-06-180 400 mm
AS-06-181 500 mm
fine, 6 wires twisted
AS-06-182
coarses, 4 wires twisted



AS-06-183
GIGLI
Handle



AS-06-184
LEBSCHÉ
Conductor for
wire saws, malleable
250 mm



CRUTCHFIELD
AS-06-185
Small Pattern



CRUTCHFIELD
AS-06-186
Medium Pattern



AS-06-187
Large Pattern
and Spare Pin



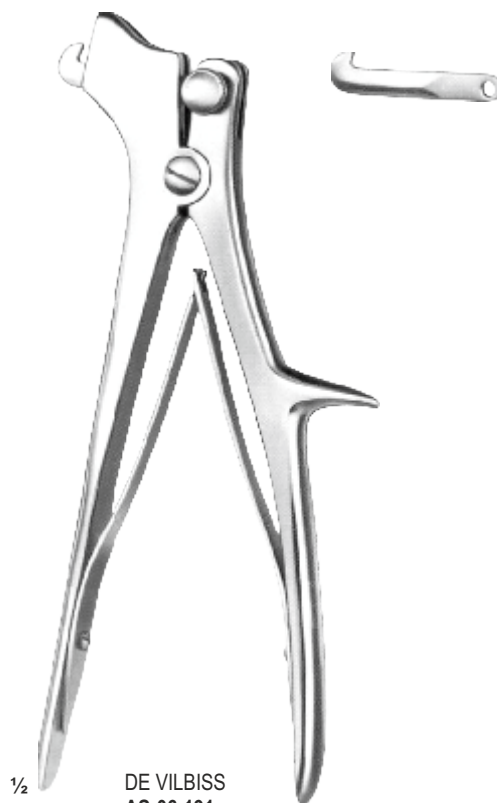
AS-06-188
70 mm
Drill Point



AS-06-189
70 mm
Drill Point



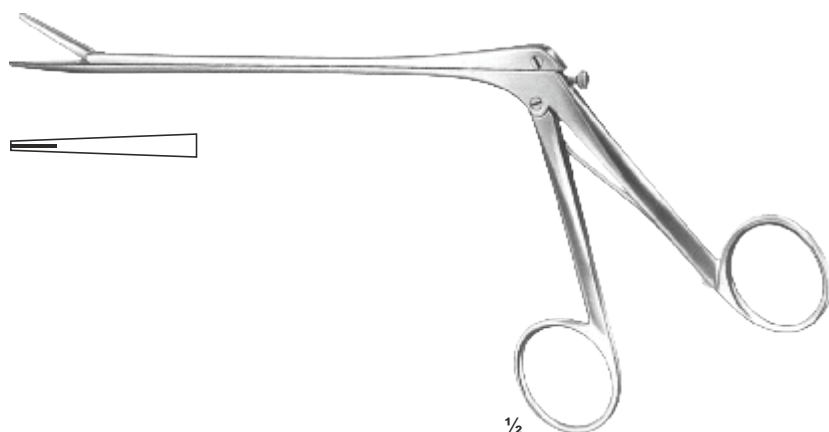
1/2 **DAHLGREN**
AS-06-190
195 mm



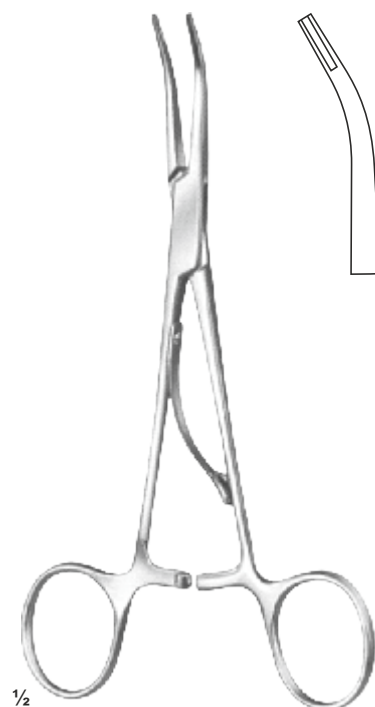
1/2 **DE VILBISS**
AS-06-191
210 mm



1/2 **CONE**
AS-06-192
225 mm
Cranial Punch



OLIVECRONA-TOENNIS
AS-06-193
Clip Applying Forceps



MCKENZIE
AS-06-194
185 mm
Clip Applying Forceps



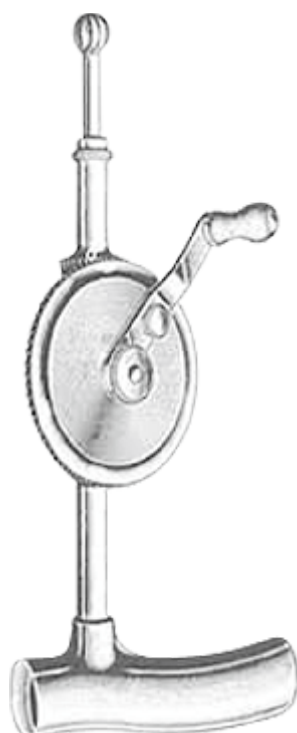
KÖLNER
AS-06-195
Scalp Clip



RANEY
AS-06-196
Scalp Clip



RANEY
AS-06-197
155 mm
Applying/Removal
Forceps



STILLE
AS-06-198 - AS-06-209
complete
20 cm



AS-06-198
2.5 mm



AS-06-199
3.0 mm



AS-06-200
3.5 mm



AS-06-201
4.0 mm



AS-06-202
10.0 mm



AS-06-203
5.0 mm



AS-06-204
8.0 mm



AS-06-205
12.0 mm



AS-06-206
16.0 mm



AS-06-207
1.0 mm



AS-06-208
1.5 mm



AS-06-209
2.0 mm



AS-06-210
2.5 mm



AS-06-211
3.0 mm



AS-06-212
3.5 mm



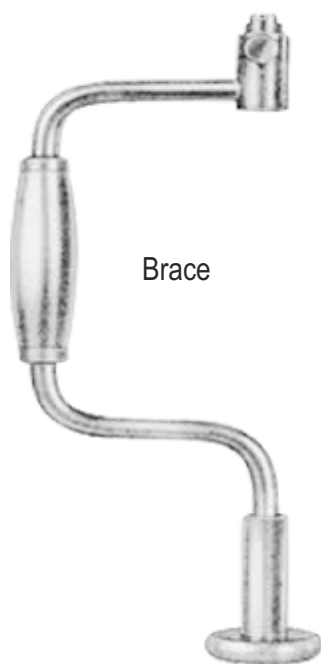
Set of 3



STILLE-SHERMAN
AS-06-210 - AS-06-212
complete
24 cm



MOORE
AS-06-213
complete
28 cm



Brace

HUDSON
AS-06-214 - AS-06-223
Complete Set
27 cm



AS-06-214
9 mm



AS-06-215
14 mm



AS-06-216
16 mm



AS-06-217
22 mm



AS-06-218
14 mm



AS-06-219
Extension
Piece



AS-06-220
Mckenzie
15 mm



AS-06-221
Mckenzie
2.0 mm



AS-06-222
Mckenzie
1.3 mm



AS-06-223
Derrico
1.6 mm



KIRSCHNER
AS-06-224
Complete



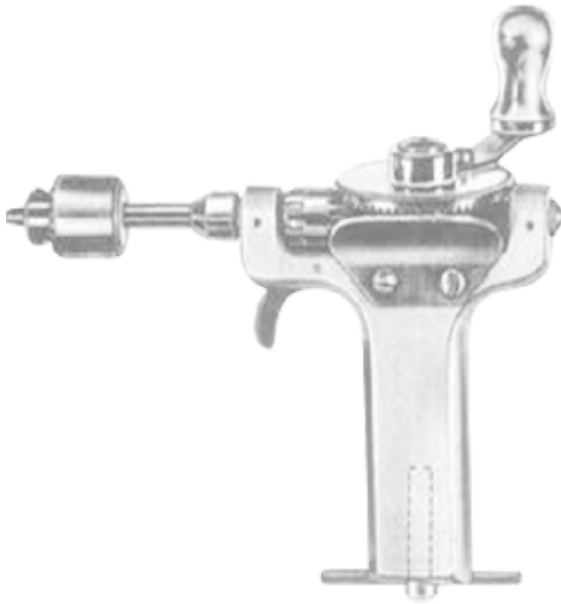
Telescope Wire
Dill Guide



AS-06-225
Complete



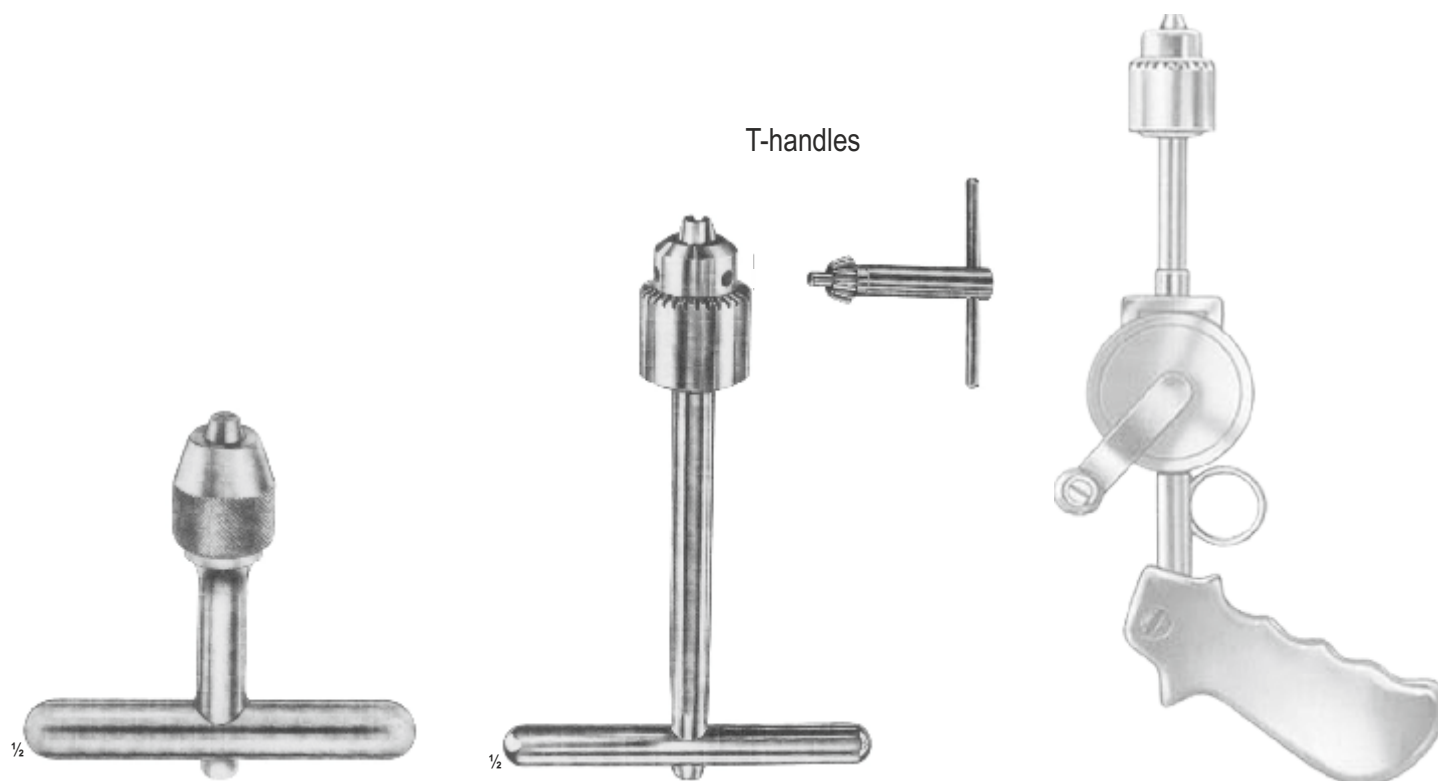
Telescope Wire
Dill Guide



BUNNELL
AS-06-226



ROLK
AS-06-227



AS-06-228
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
To be tightened by hand
10 cm

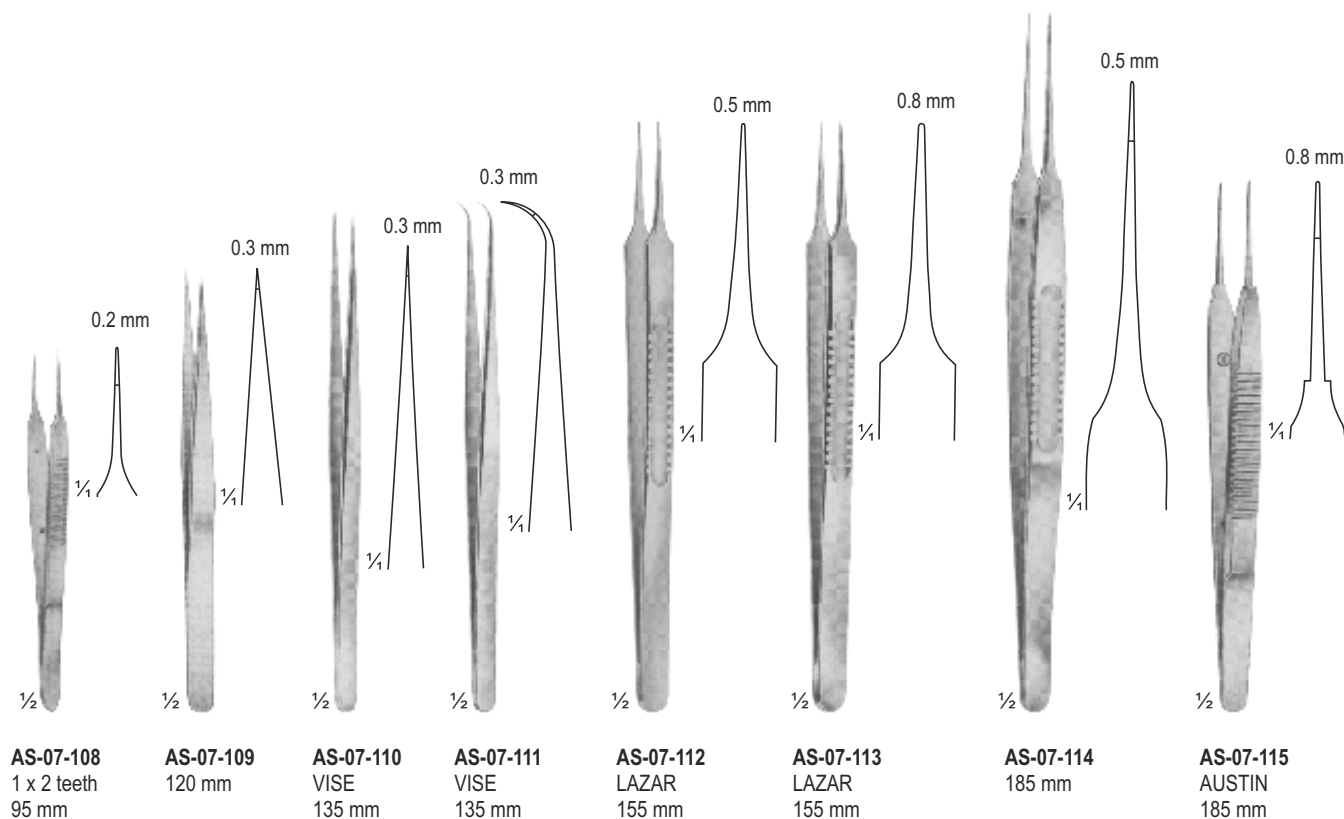
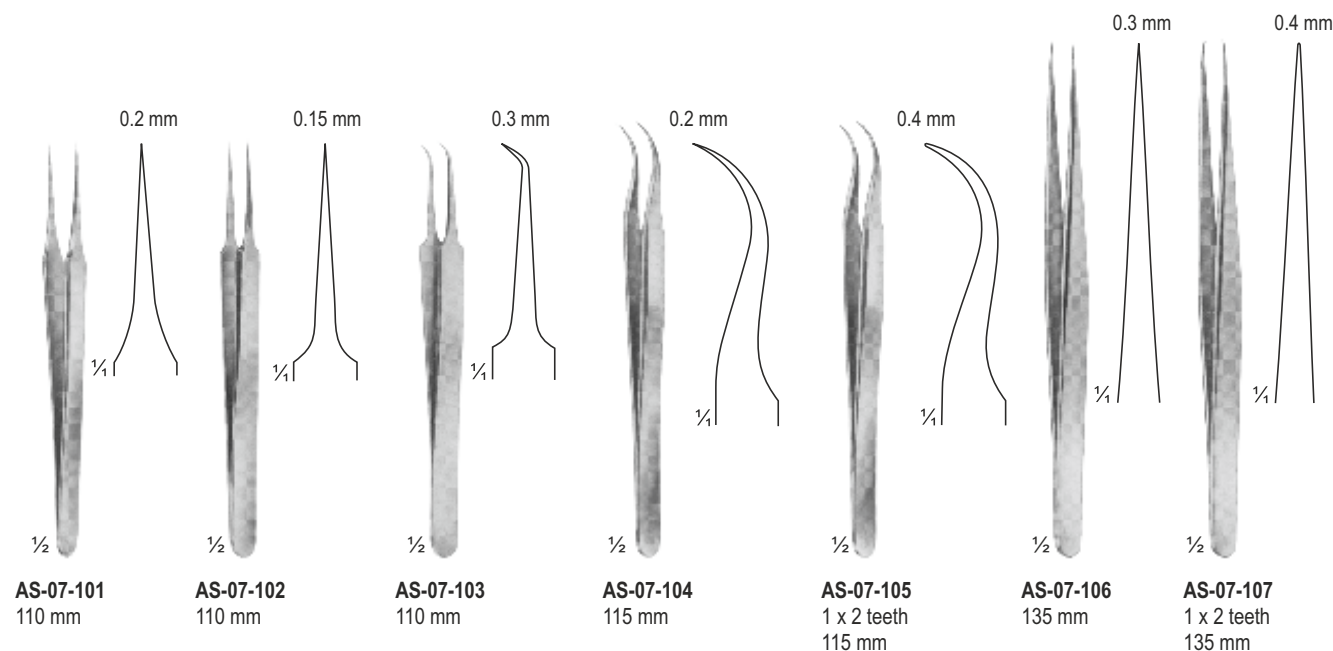
AS-06-229
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
With key
16 cm

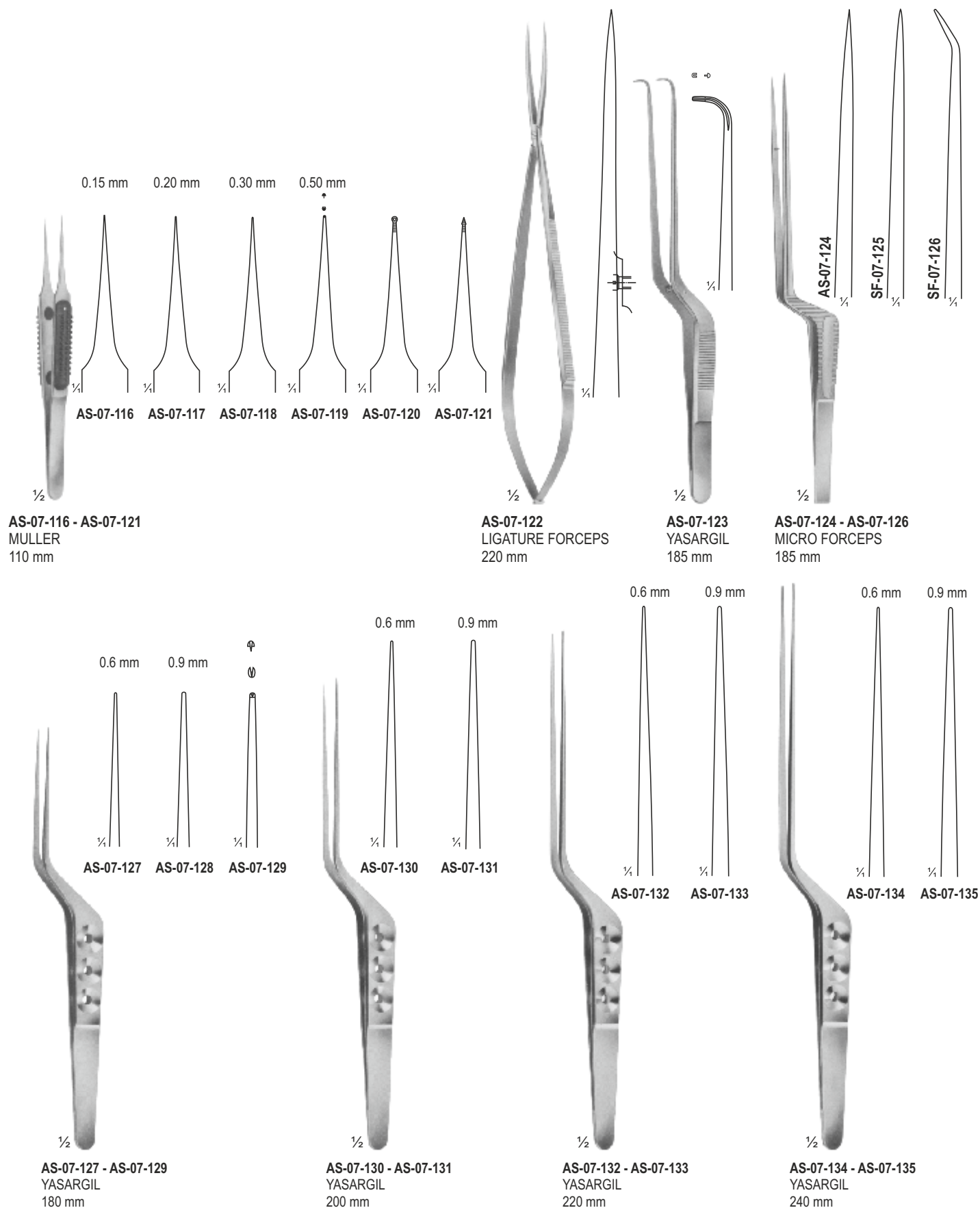
AS-06-230

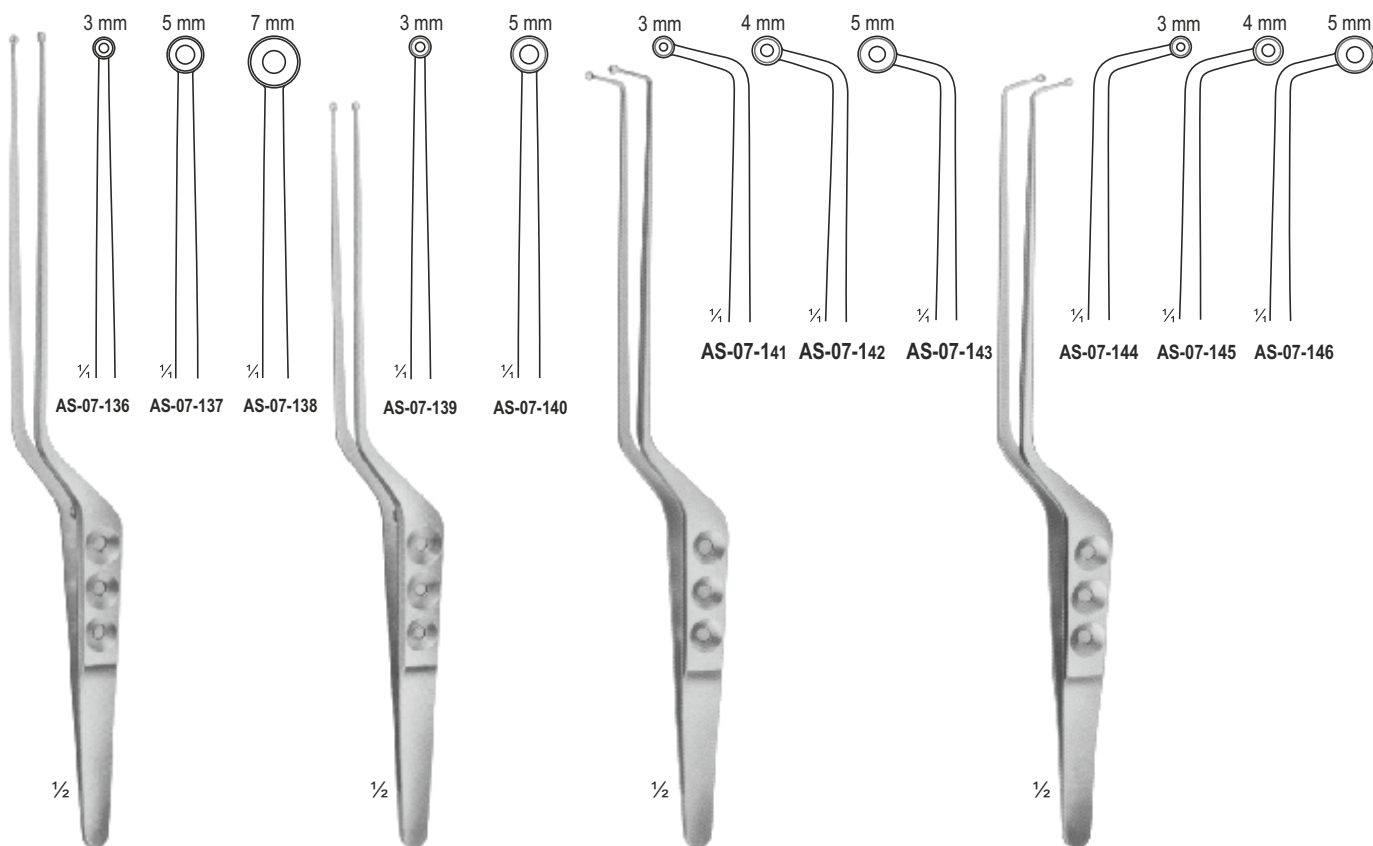


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- Dissecting and Tissue Forceps





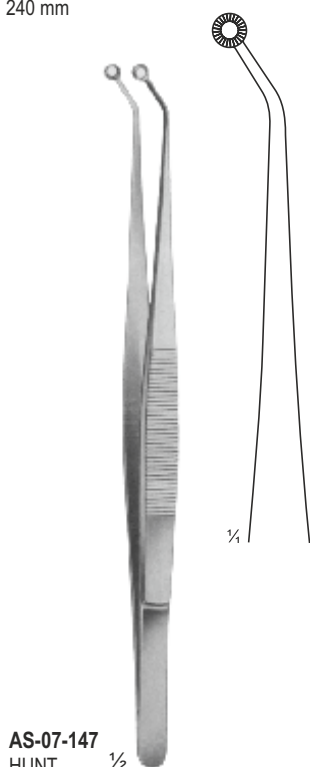


AS-07-136 - AS-07-138
YASARGIL-SAMI
Jaws Spoon-Shaped
240 mm

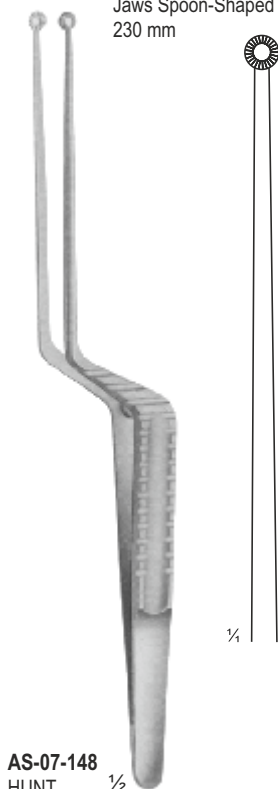
AS-07-139 - AS-07-140
YASARGIL
Jaws Spoon-Shaped
220 mm

AS-07-141 - CD-043
SAMII
Jaws Spoon-Shaped
230 mm

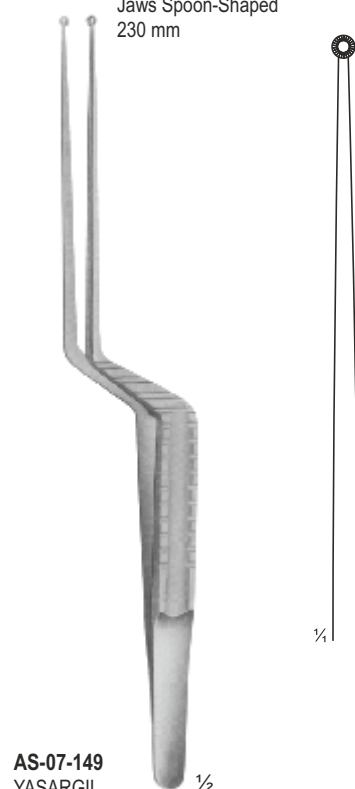
AS-07-144 - AS-07-146
SAMII
Jaws Spoon-Shaped
230 mm



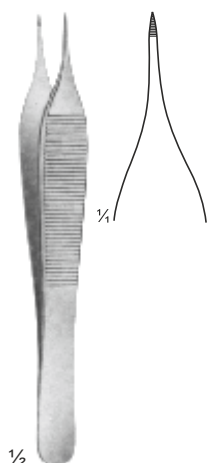
AS-07-147
HUNT $\frac{1}{2}$
Tumor-and Vessel Forceps
200 mm



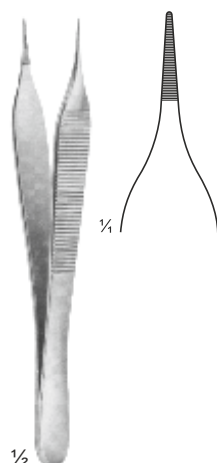
AS-07-148
HUNT $\frac{1}{2}$
Tumor-and Vessel Forceps
200 mm



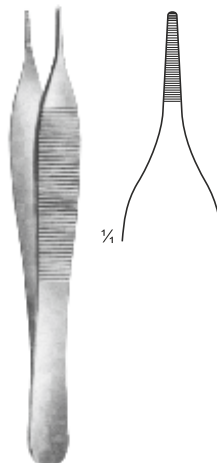
AS-07-149
YASARGIL $\frac{1}{2}$
Tumor-and Vessel Forceps
200 mm



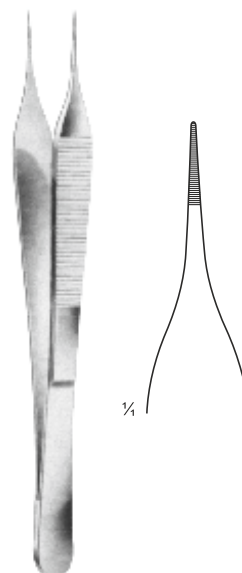
AS-07-150
THORPE
Corneal Forceps
120 mm



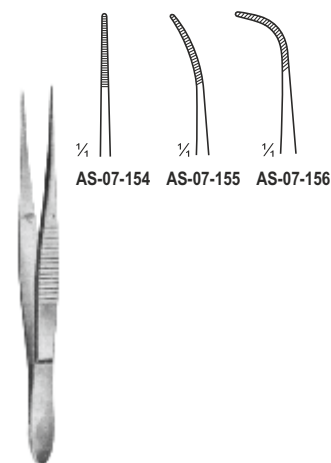
AS-07-151
MICRO-ADSON
120 mm



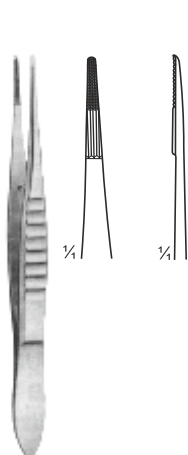
AS-07-152
ADSON
120 mm



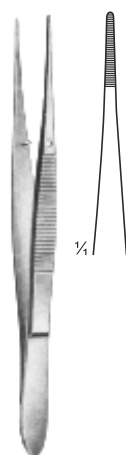
AS-07-153
MICRO-ADSON
150 mm



AS-07-154 - AS-07-156
100 mm



AS-07-157
110 mm



AS-07-158
115 mm



AS-07-159 - AS-07-168



AS-07-159
90 mm



AS-07-160
105 mm



AS-07-161
115 mm



AS-07-162
130 mm



AS-07-163
145 mm



AS-07-164
90 mm



AS-07-165
105 mm



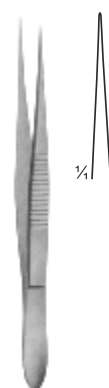
AS-07-166
115 mm



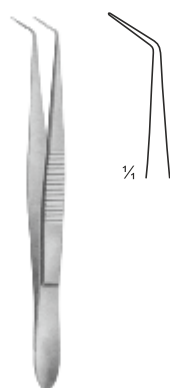
AS-07-167
130 mm



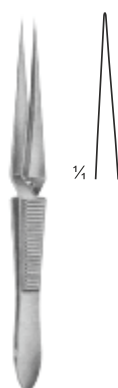
AS-07-168
145 mm



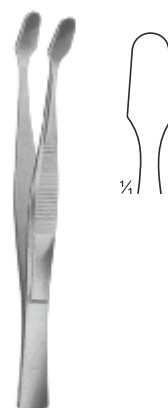
AS-07-169
100 mm



AS-07-170
100 mm



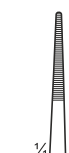
AS-07-171
100 mm



AS-07-172
COVER GLASS FORCEPS
105 mm



AS-07-173
160 mm



AS-07-174
125 mm



AS-07-175
150 mm



AS-07-176



AS-07-176
155 mm



AS-07-177
MC INDOE



AS-07-177
150 mm



AS-07-178 - AS-07-180
GERALD



AS-07-178
175 mm



AS-07-179
175 mm



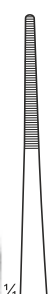
AS-07-180
230 mm

1/2

AS-07-174 - AS-07-175
SEMKEN



AS-07-181 - AS-07-184
CUSHING



AS-07-181
180 mm



AS-07-182
200 mm



AS-07-183
200 mm



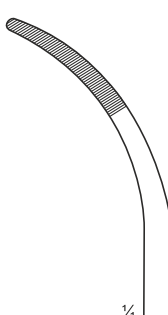
AS-07-184
250 mm



AS-07-185 - AS-07-186
BROPHY



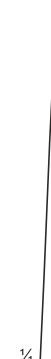
AS-07-185
200 mm



AS-07-186
200 mm



AS-07-187 - AS-07-188
SMOOTH JAWS



AS-07-187
185 mm



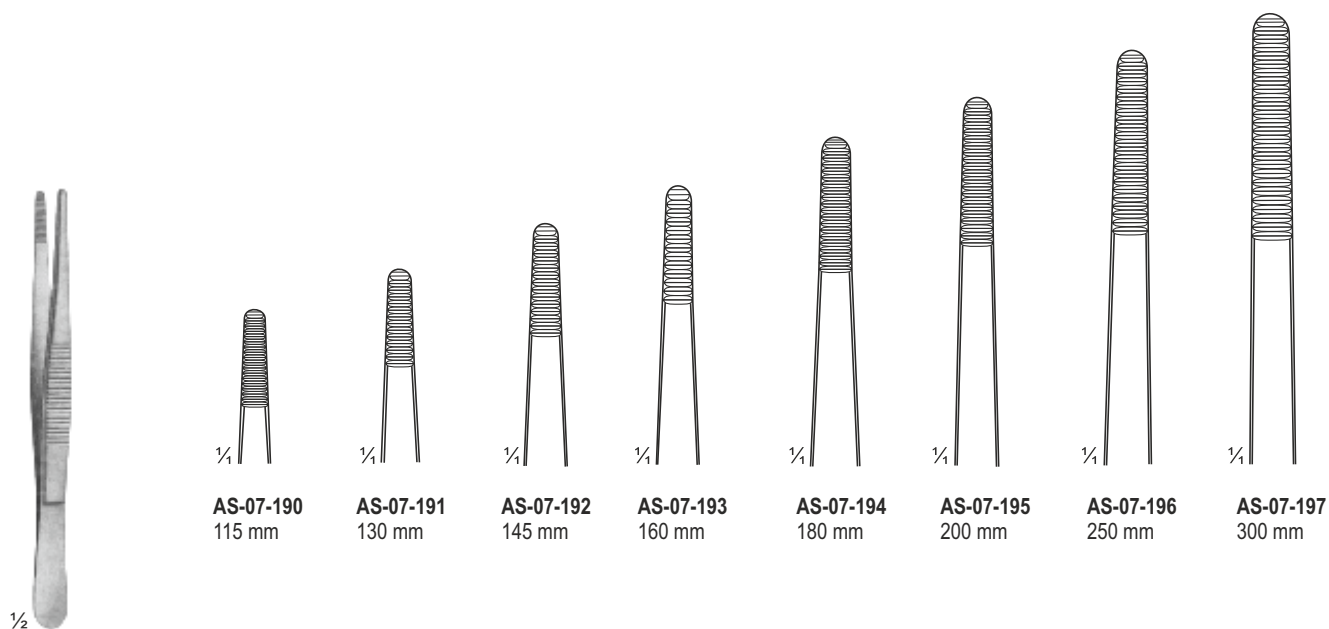
AS-07-188
200 mm



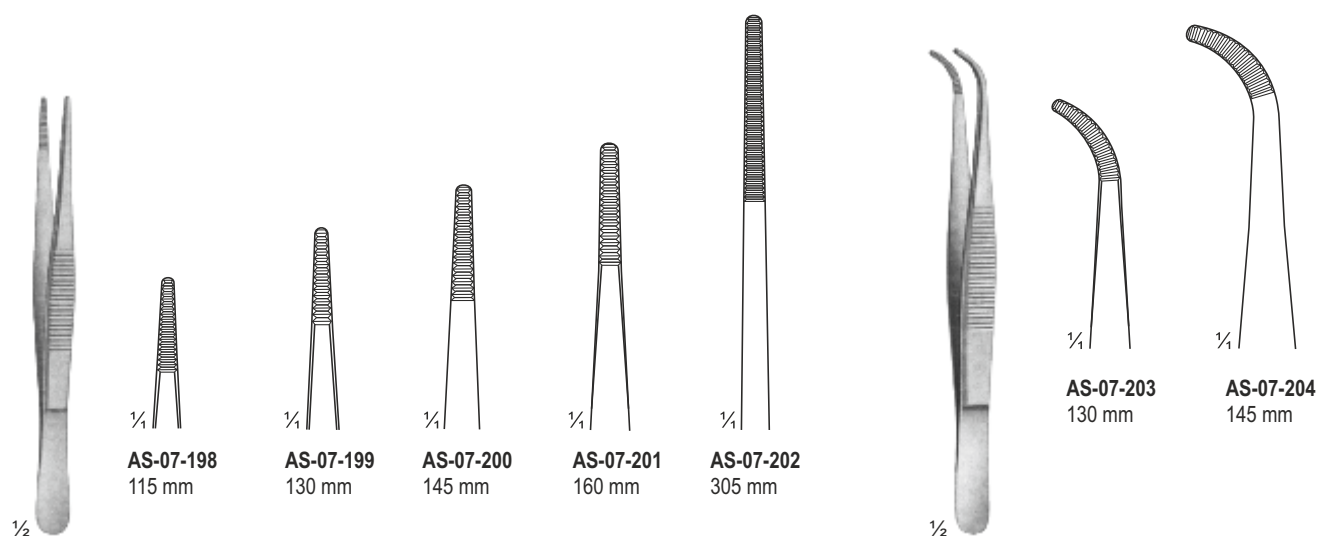
AS-07-189



AS-07-189
200 mm



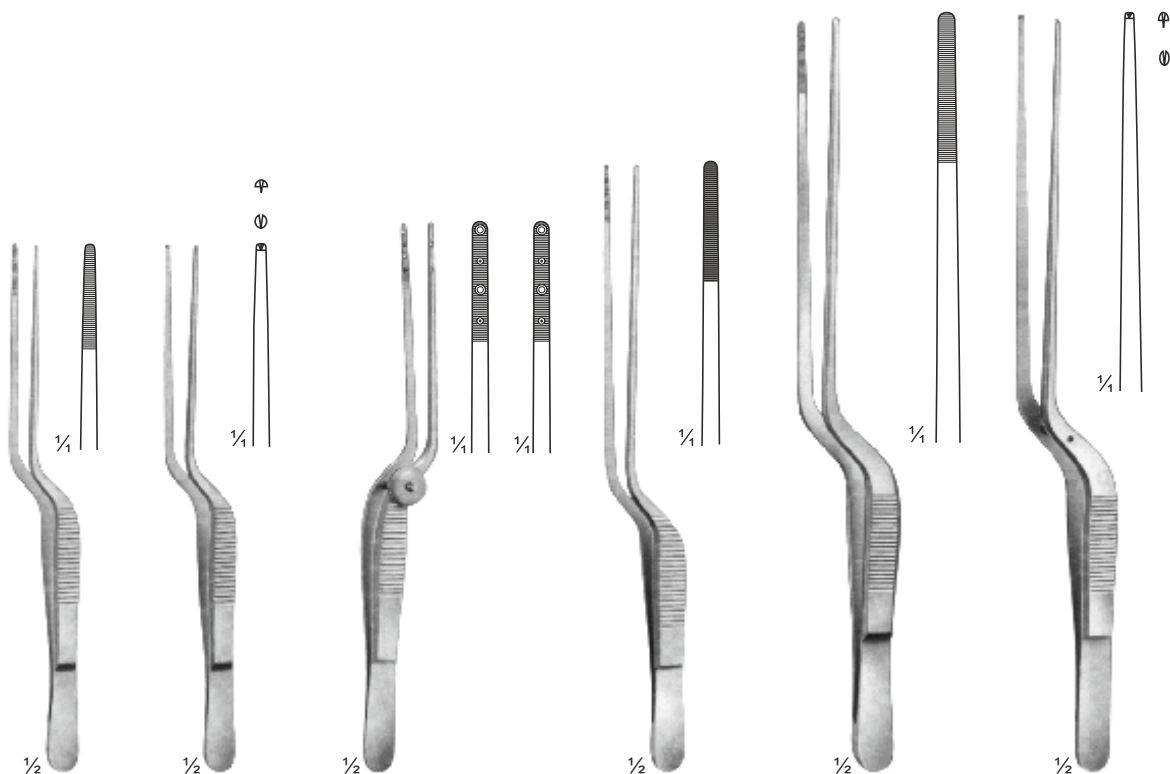
AS-07-190 - AS-07-197
STANDARD



AS-07-198 - CD-102
MEDIUM

AS-07-203 - AS-07-204
MEDIUM





AS-07-220
LUCAE
140 mm

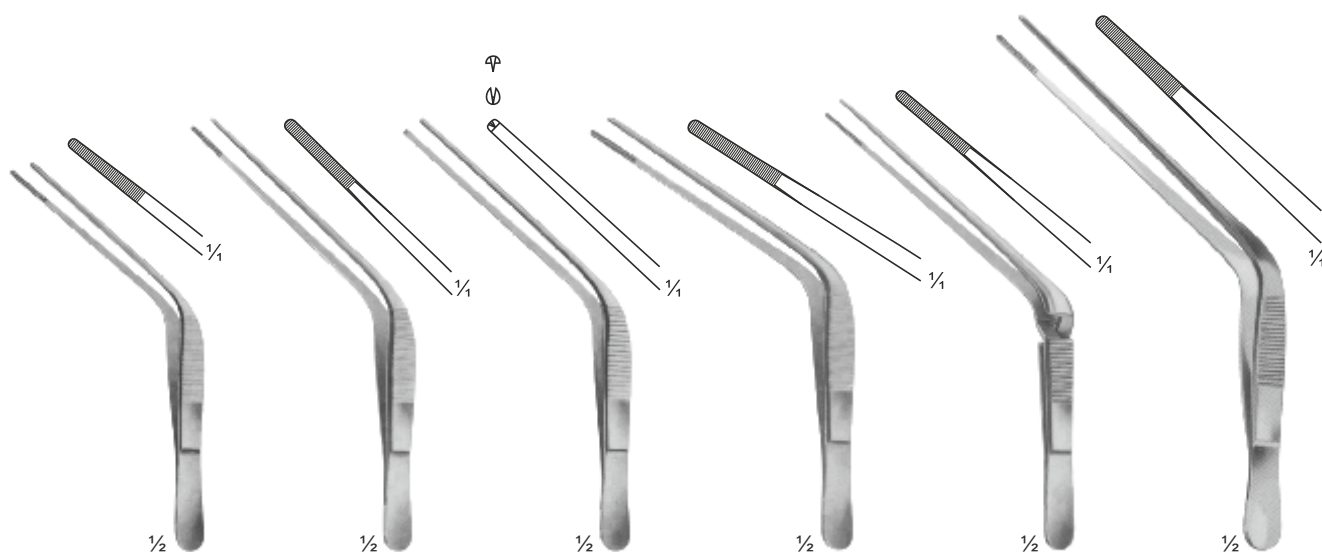
AS-07-221
LUCAE
1x2 teeth
140 mm

AS-07-222
COTTLE
Forceps with
jaws toothed
and serrated
140 mm

AS-07-223
JANSEN
160 mm

AS-07-224
GRUENWALD
200 mm

AS-07-225
1x2 teeth
200 mm



AS-07-226
TROELTSCH
100 mm

AS-07-227
TROELTSCH
115 mm

AS-07-228
TROELTSCH
1X2 teeth
115 mm

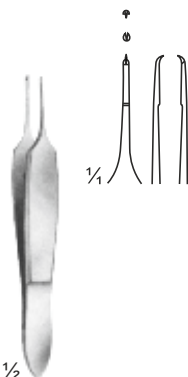
AS-07-229
WILDE
115 mm

AS-07-230
TROELTSCH
Cross action
120 mm

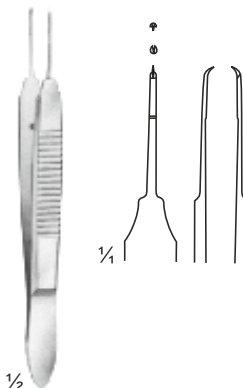
AS-07-231
TROELTSCH
140 mm



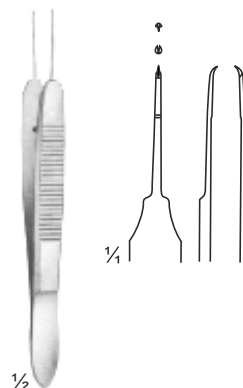
$\frac{1}{2}$
AS-07-232
BISHOP-HARMON
85 mm



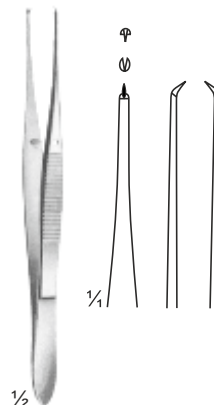
$\frac{1}{2}$
AS-07-233
ST.MARTIN
80 mm



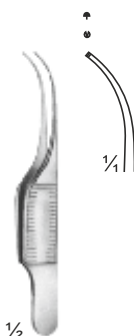
$\frac{1}{2}$
AS-07-234
CASTROVIEJO
teeth 0.9 mm
100 mm



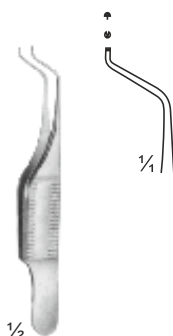
$\frac{1}{2}$
AS-07-235
CASTROVIEJO
teeth 0.5 mm
100 mm



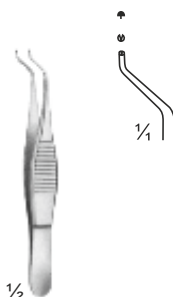
$\frac{1}{2}$
AS-07-236
ELSCHING
110 mm



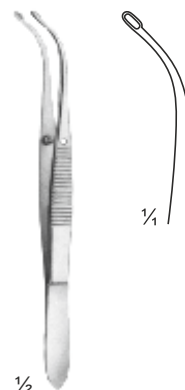
$\frac{1}{2}$
AS-07-237
GILL
75 mm



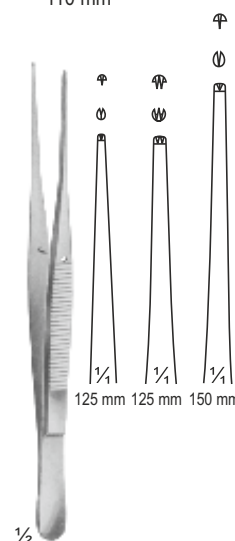
$\frac{1}{2}$
AS-07-238
GILL - HESS
75 mm



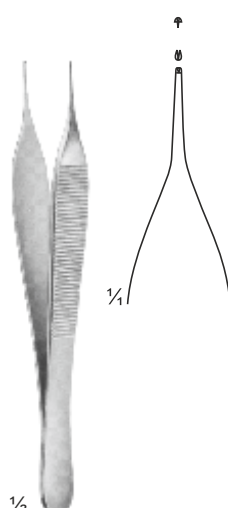
$\frac{1}{2}$
AS-07-239
HESS
70 mm



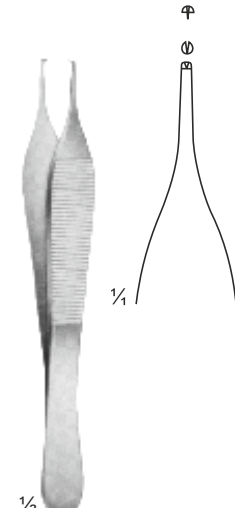
$\frac{1}{2}$
AS-07-240
ARRUGA
100 mm



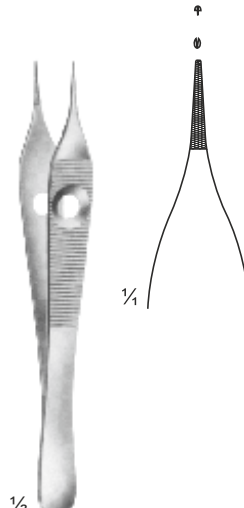
$\frac{1}{2}$
AS-07-241
SEMKEN
125 mm 125 mm 150 mm



$\frac{1}{2}$
AS-07-242
MICRO-ADSON
120 mm



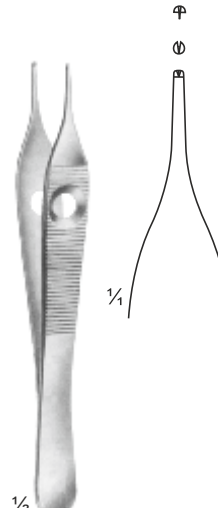
$\frac{1}{2}$
AS-07-243
ADSON
120 mm



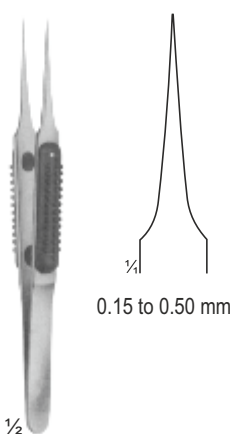
$\frac{1}{2}$
AS-07-244
ADSON
120 mm



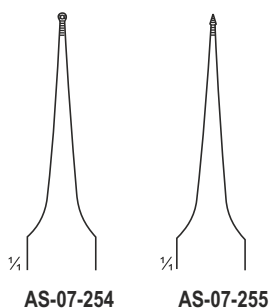
$\frac{1}{2}$
AS-07-245
ADSON
120 mm



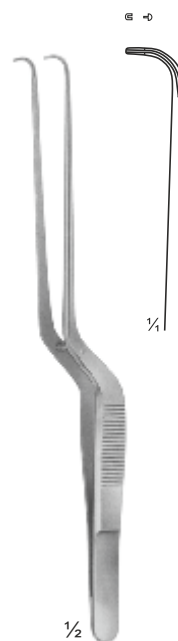
$\frac{1}{2}$
AS-07-246
ADSON
150 mm



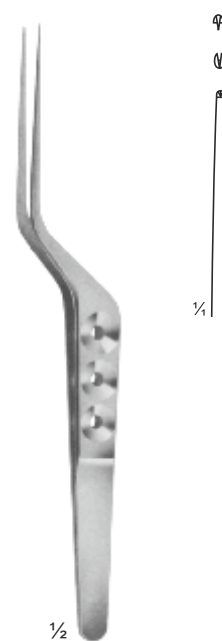
MULLER
AS-07-247
110 mm 0.15 mm
AS-07-248
110 mm 0.20 mm
AS-07-249
110 mm 0.30 mm
AS-07-250
110 mm 0.50 mm
AS-07-251



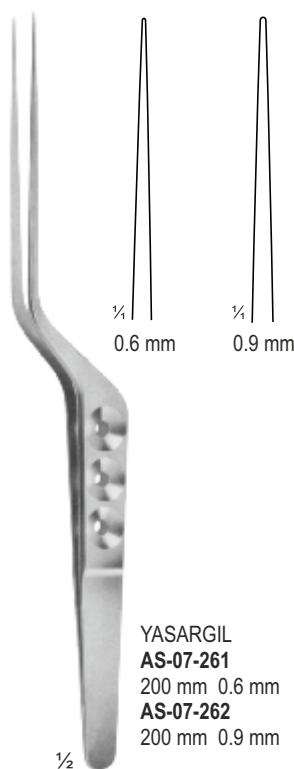
MULLER
AS-07-252
110 mm
AS-07-253
110 mm



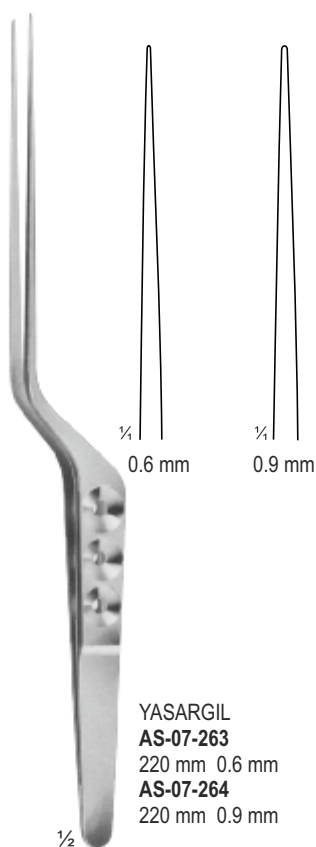
YASARGIL
AS-07-256
185 mm



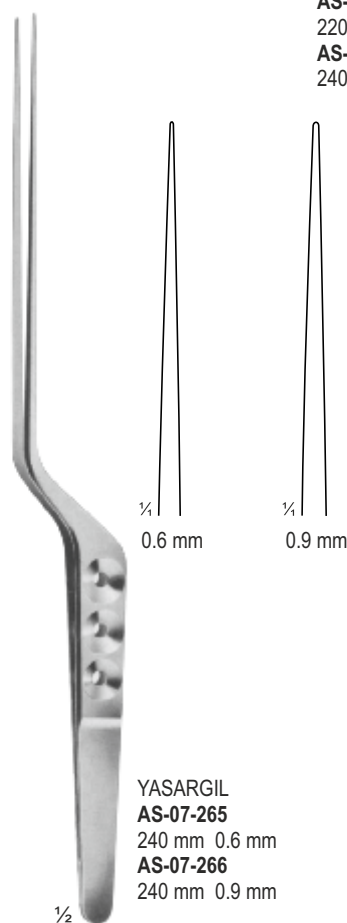
YASARGIL
AS-07-257
180 mm
AS-07-258
200 mm
AS-07-259
220 mm
AS-07-260
240 mm



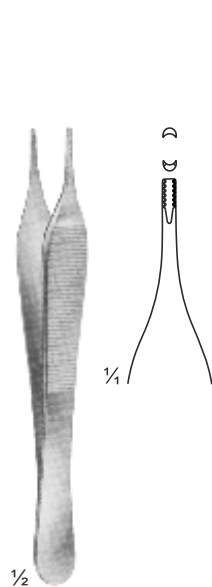
YASARGIL
AS-07-261
200 mm 0.6 mm
AS-07-262
200 mm 0.9 mm



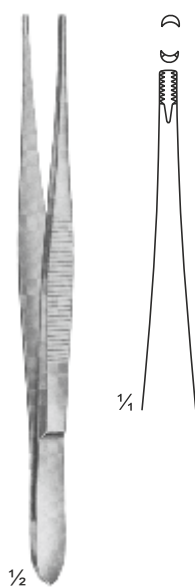
YASARGIL
AS-07-263
220 mm 0.6 mm
AS-07-264
220 mm 0.9 mm



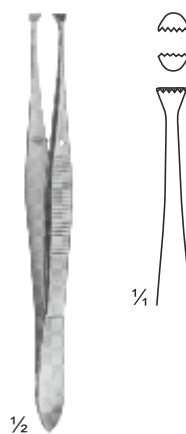
YASARGIL
AS-07-265
240 mm 0.6 mm
AS-07-266
240 mm 0.9 mm



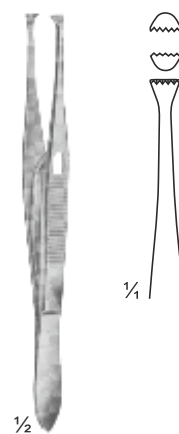
AS-07-267
ADSON - BROWN
Non-traumatic
120 mm



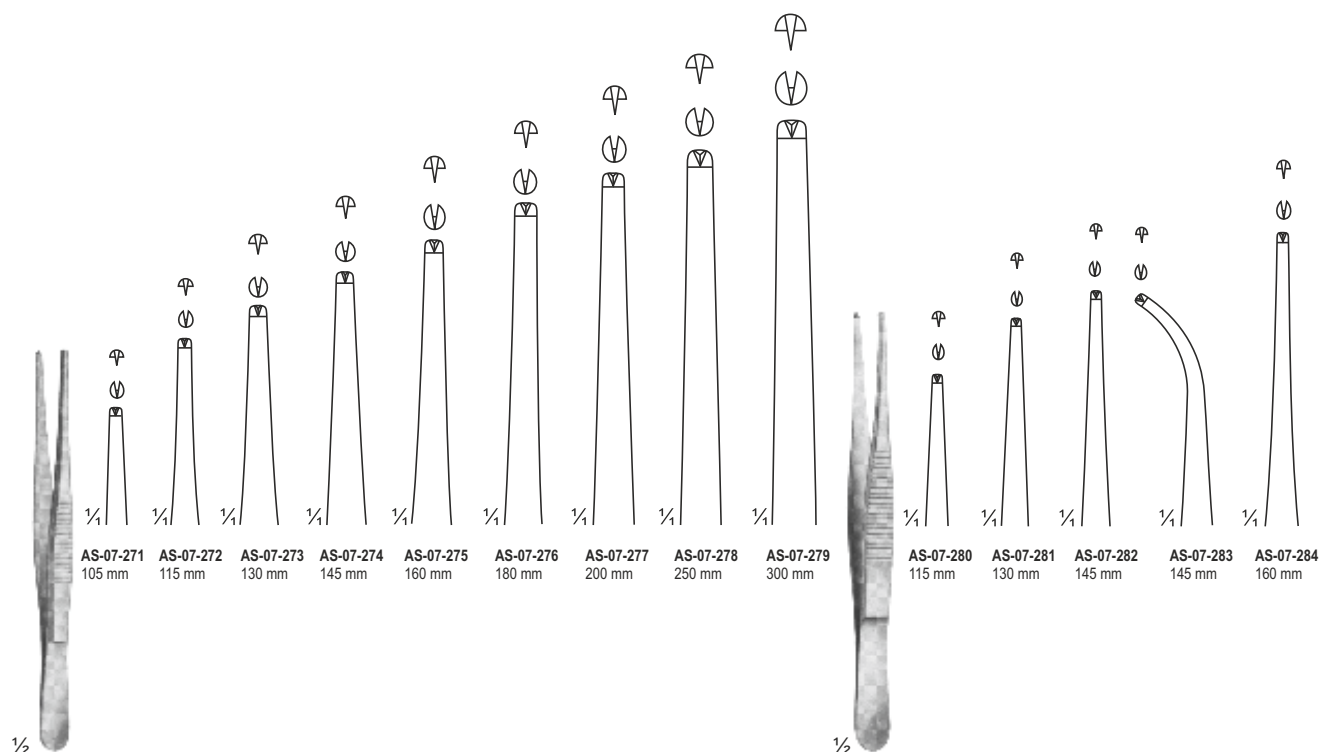
AS-07-268
BROWN
120 mm



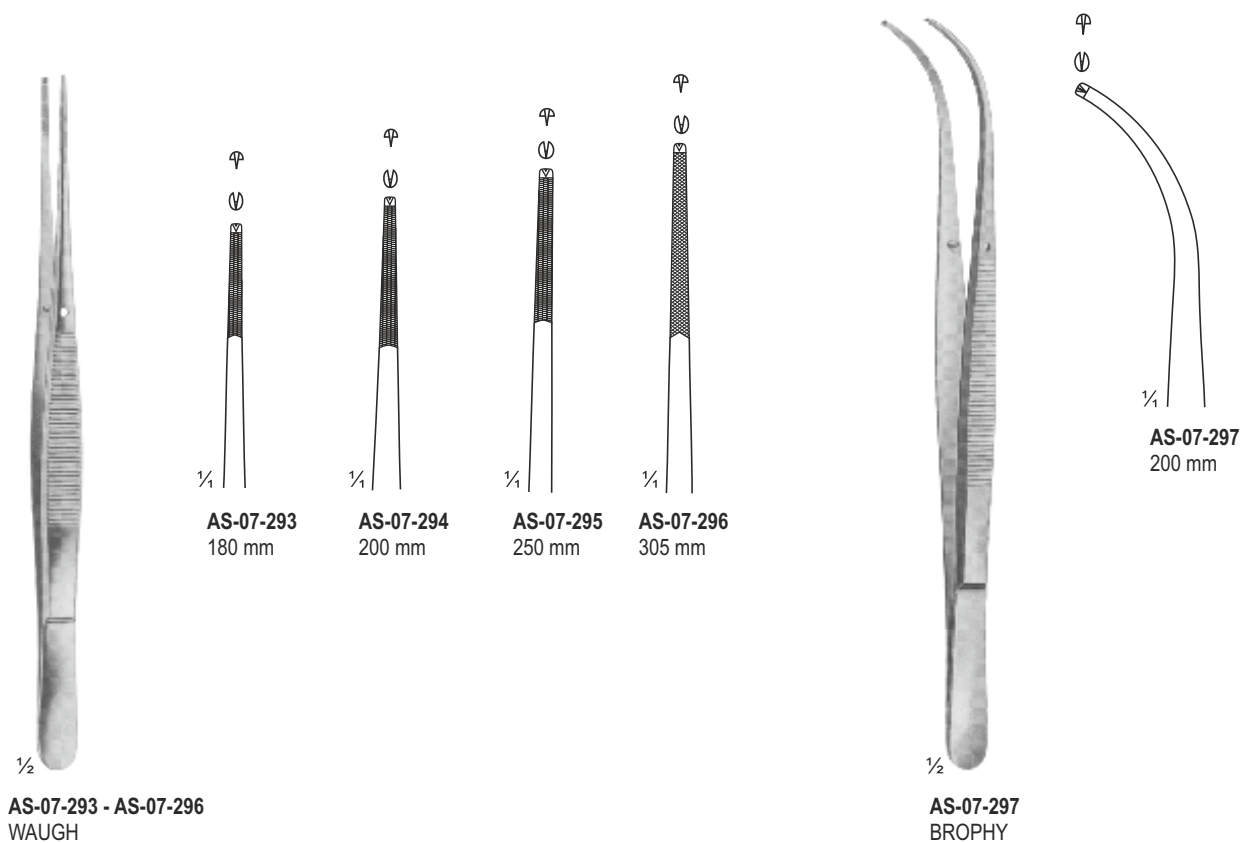
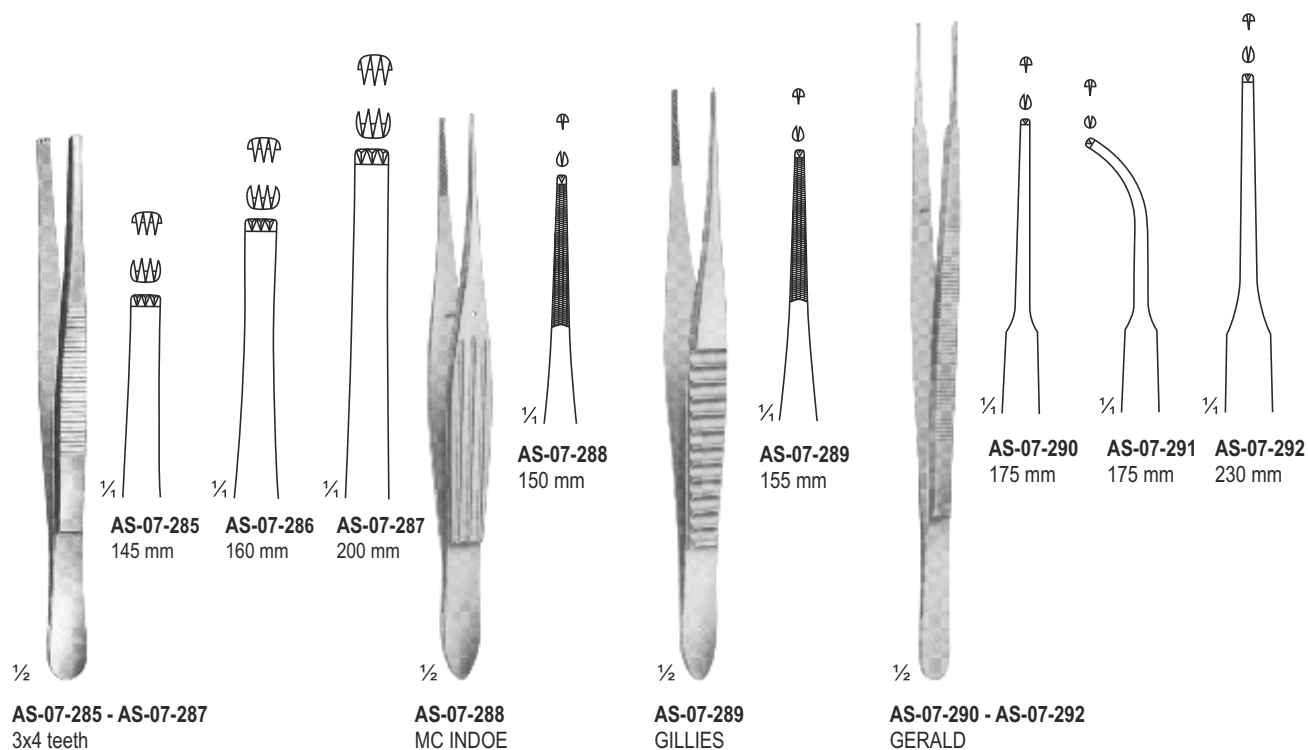
AS-07-269
GRAEFE
110 mm

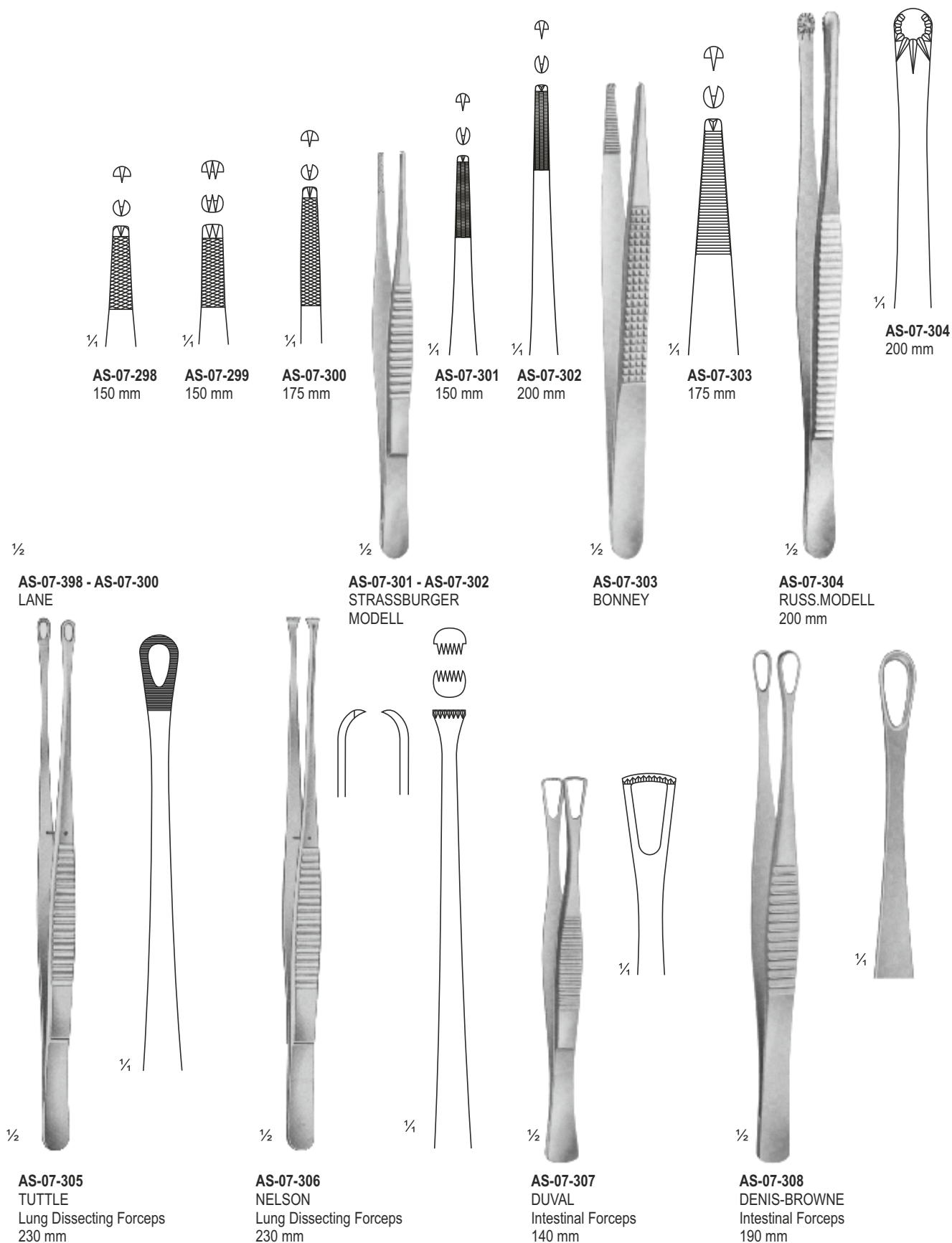


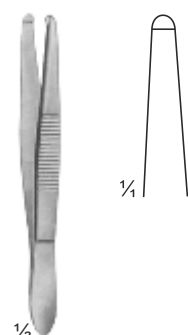
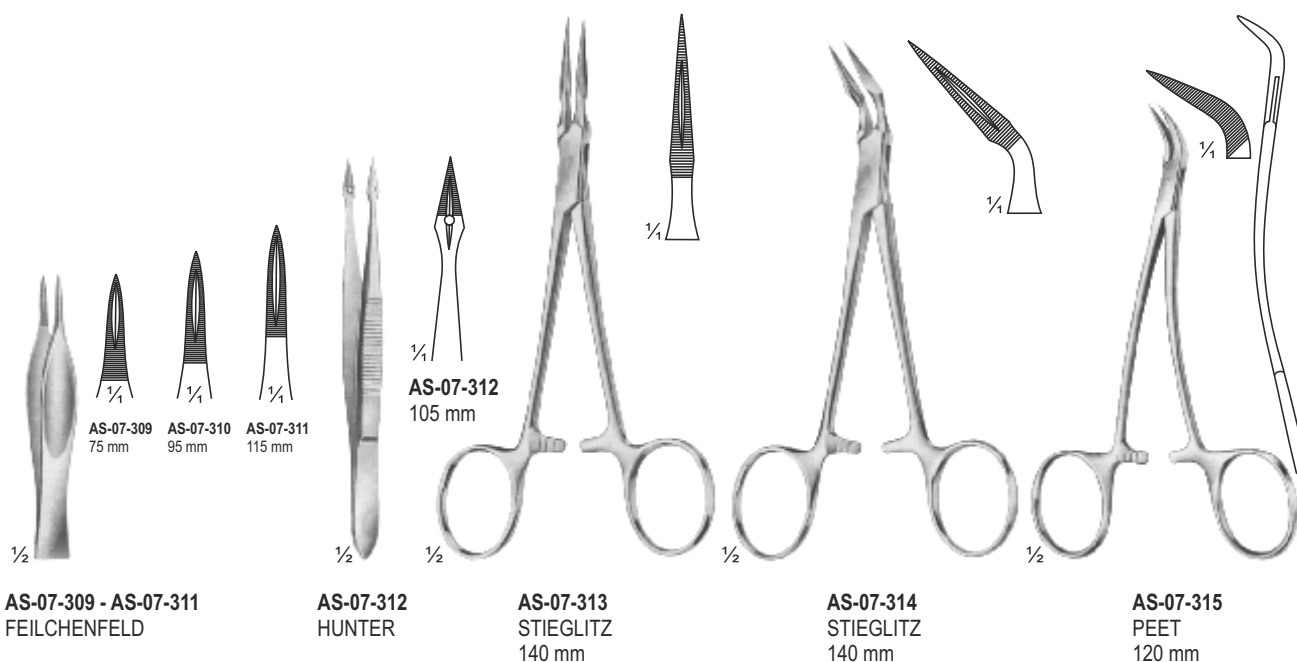
AS-07-270
GRAEFE
With Catch
110 mm



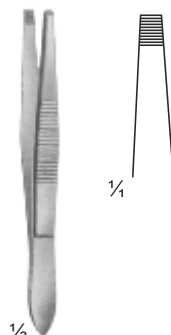
AS-07-271 - AS-07-279
STANDARD



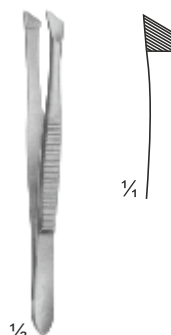




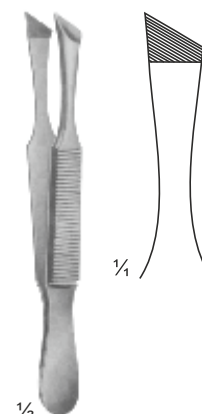
AS-07-316
BEER
85 mm



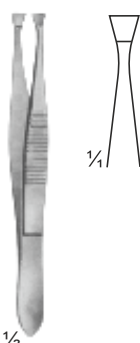
AS-07-317
85 mm



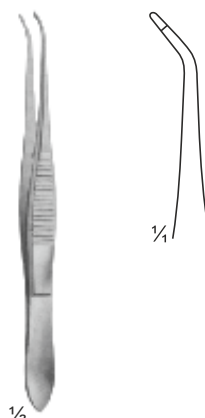
AS-07-318
85 mm



AS-07-319
105 mm



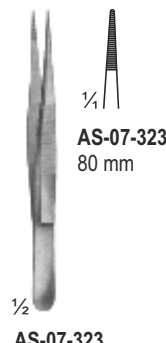
AS-07-320
105 mm



AS-07-321
SAUPE
105 mm



AS-07-322
SCHAAF
95 mm



AS-07-323



STANDARD

AS-07-324	14.5 cm, 5 3/4"
AS-07-325	16.0 cm, 6 1/4"
AS-07-326	18.0 cm, 7"
AS-07-327	20.0 cm, 8"
AS-07-328	25.0 cm, 10"
AS-07-329	30.0 cm, 12"



STANDARD

AS-07-330	14.5 cm, 5 3/4"
AS-07-331	16.0 cm, 6 1/4"
AS-07-332	18.0 cm, 7"
AS-07-333	20.0 cm, 8"
AS-07-334	25.0 cm, 10"
AS-07-335	30.0 cm, 12"



STANDARD

AS-07-336	12.5 cm, 5"
AS-07-337	15.0 cm, 6"



STANDARD

AS-07-338	15.0 cm, 6"
AS-07-339	23.0 cm, 9"
AS-07-340	25.0 cm, 10"

FORCEPS WITH TUNGSTEN CARBIDE INSERTS



GILLIES
AS-07-341
15.0 cm, 6"



MC INDOE
AS-07-342
15.0 cm, 6"



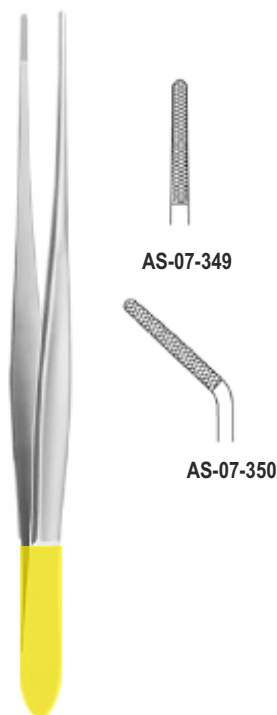
GERALD
AS-07-343 - AS-07-344
17.0 cm, 6 3/4"



POTTS-SMITH
AS-07-345 15.0 cm, 6"
AS-07-346 18.0 cm, 7"
AS-07-347 20.0 cm, 8"



BONNEY
AS-07-348
17.5 cm, 6 5/8"



CUSHING
AS-07-349 - AS-07-350
17.5 cm, 6 5/8"



CUSHING-TAYLOR
AS-07-351
18.0 cm, 7"



ADSON
AS-07-352 - AS-07-355
17.5 cm, 6 5/8"



DE BAKKEY
AS-07-356
150 mm
AS-07-357
200 mm
AS-07-358
250 mm



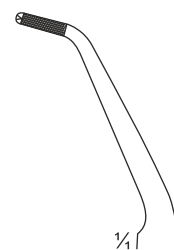
DE BAKKEY
AS-07-359
150 mm
AS-07-360
200 mm
AS-07-361
250 mm



JABOMA-TC
AS-07-362
180 mm



JABOMA-TC
AS-07-363
180 mm



JABOMA-TC
AS-07-364
180 mm



OBWEGESER
AS-07-365
160 mm



OBWEGESER
AS-07-366
180 mm



MERIEM
AS-07-367

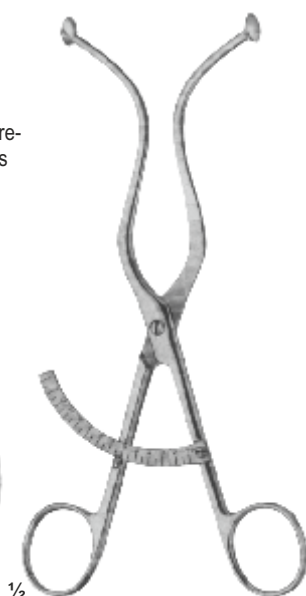
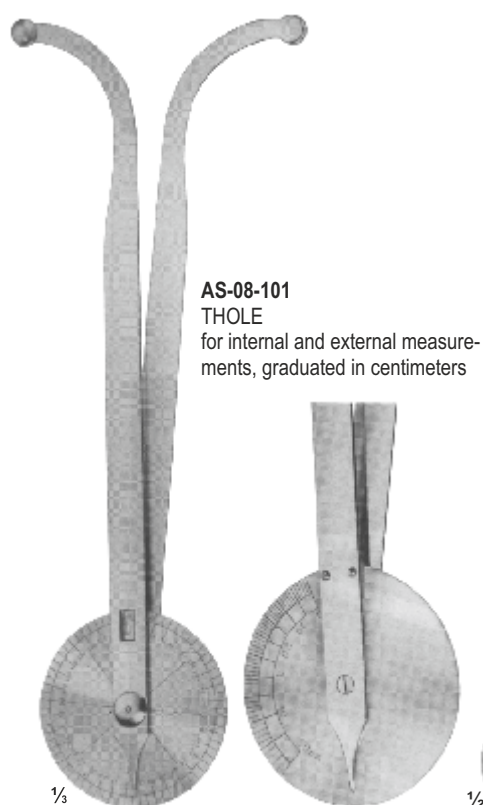


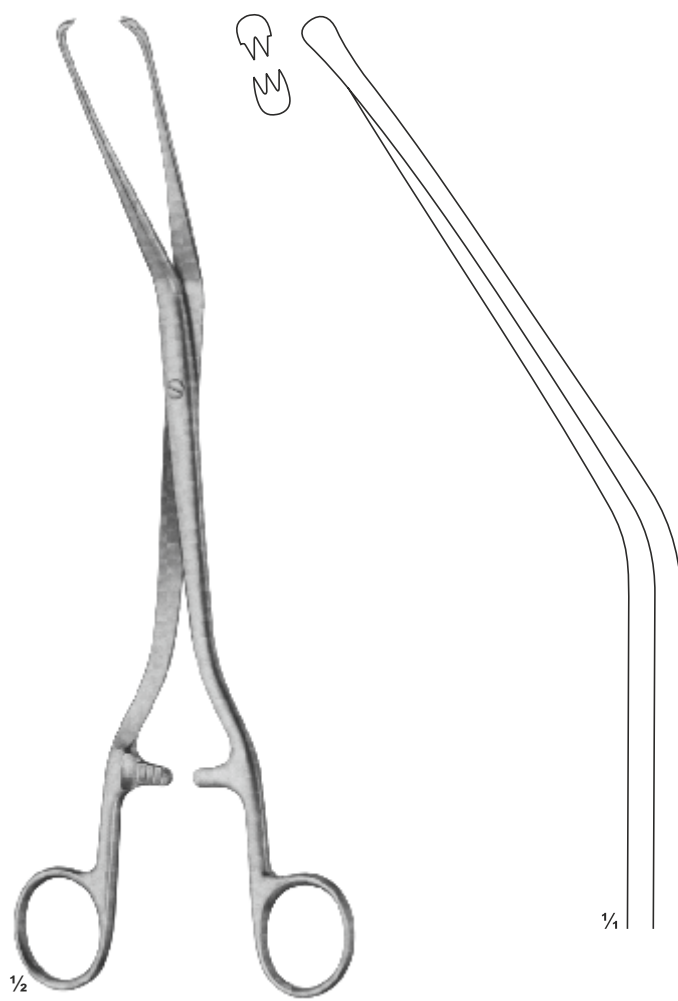
POTTS-NEVINS
AS-07-368
180 mm



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- Obstetrics
- Tracheotomy





AS-08-107
HERFF
puncturing forceps
225 mm



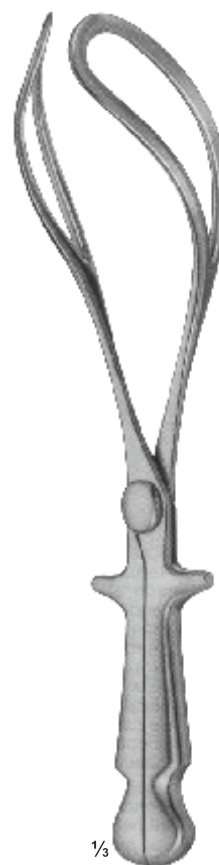
AS-08-108
IOWA
puncturing forceps
260 mm



AS-08-109
SIMPSON-BRAUN
305mm



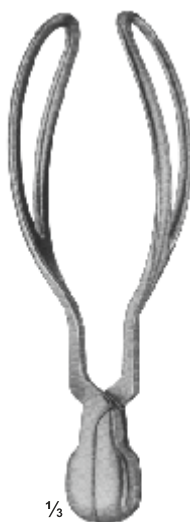
AS-08-110
355 mm



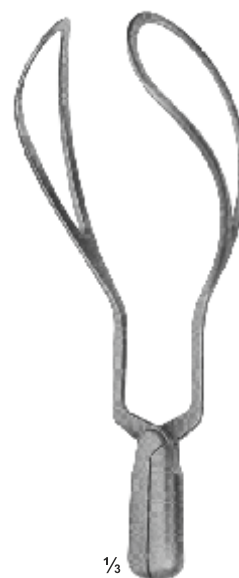
AS-08-111
400 mm



AS-08-112
SIMPSON-BRAUN
305mm



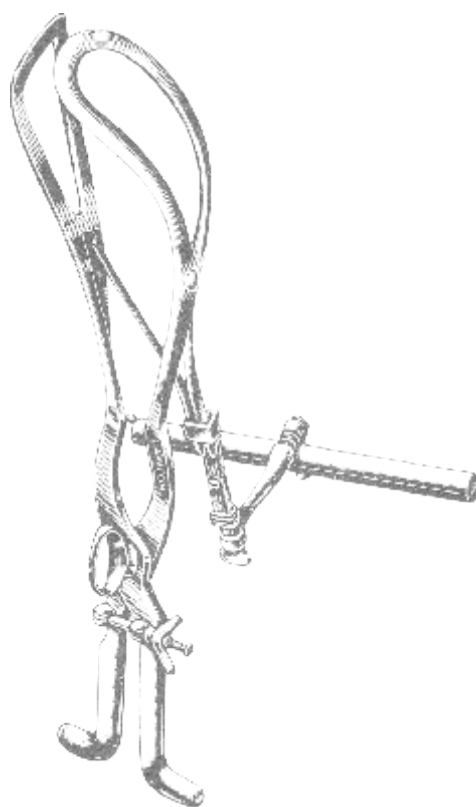
AS-08-113
SIMPSON
235mm



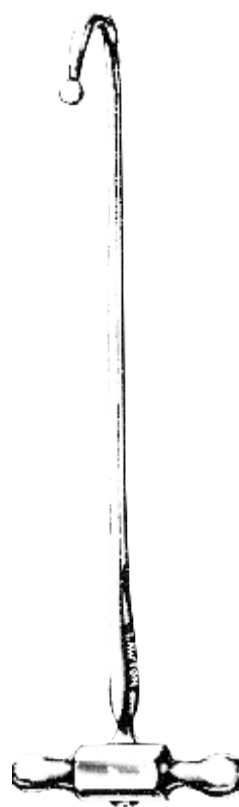
AS-08-114
WRIGLEY
250 mm



BRAUN
Cranioclast
AS-08-115
420 mm



TARNIER
AS-08-116
400 mm



BRAUN
AS-08-117
310 mm



SPELLIE
AS-08-118
305 mm



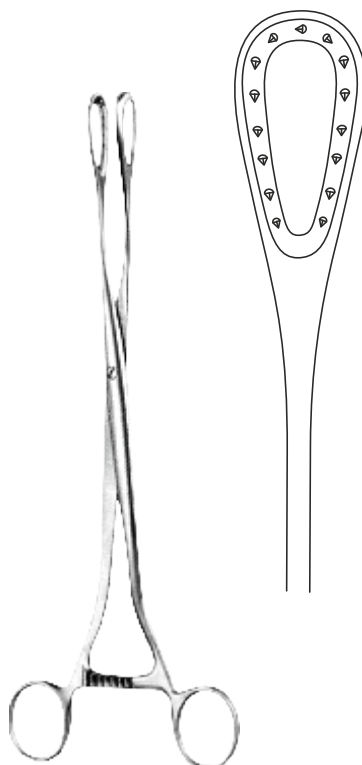
BOER
AS-08-119
290 mm



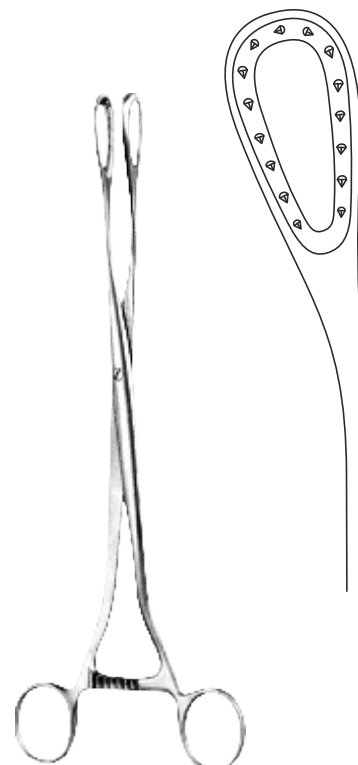
SPELLIE
Perforator
AS-08-120
270 mm



**GREEN-ARMYTAGE
AS-08-121**
Caesarean section haemostatic
forceps, for edges of the transverse
incision in the lower segment
220 mm



**SANGER
AS-08-122**
275 mm



**SANGER
AS-08-123 - AS-08-124**
AS-08-123 270 mm
AS-08-124 290 mm



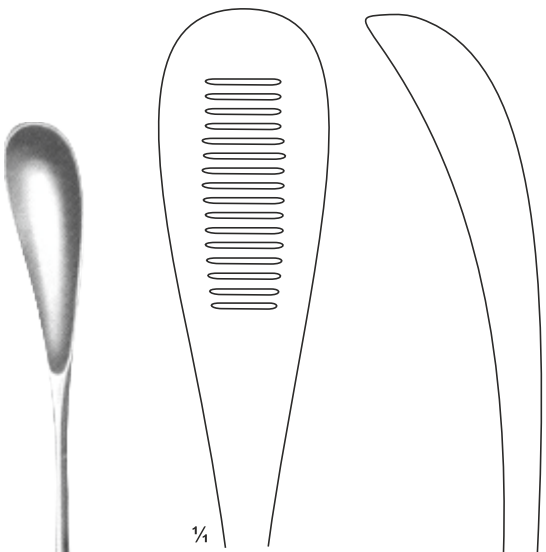
**GAUSS
AS-08-125**
Scalpel Flap
forceps
260 mm



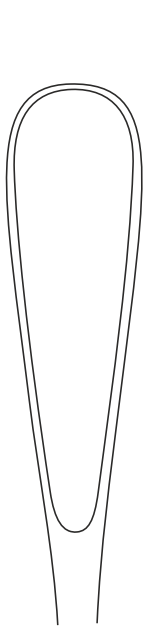
**WILLETT
AS-08-126**
Scalpel Flap
forceps
185 mm



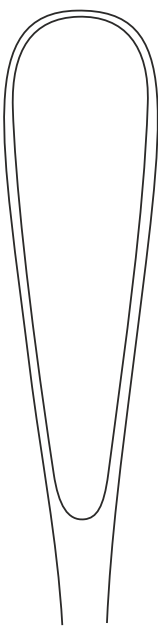
**SELLHEIM
AS-08-17**
320 mm



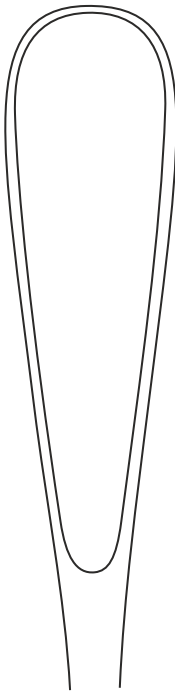
CUZZI
AS-08-128 - AS-08-130
300 mm



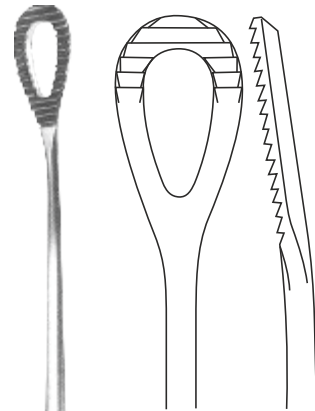
AS-08-128
17 mm



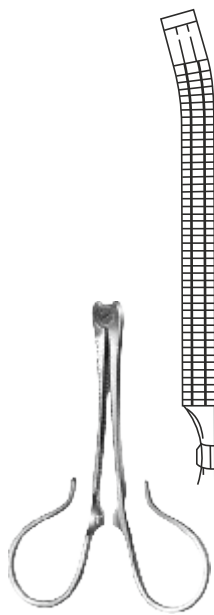
AS-08-129
20 mm



AS-08-130
23 mm



PESTALOZZA
AS-08-131
305 mm

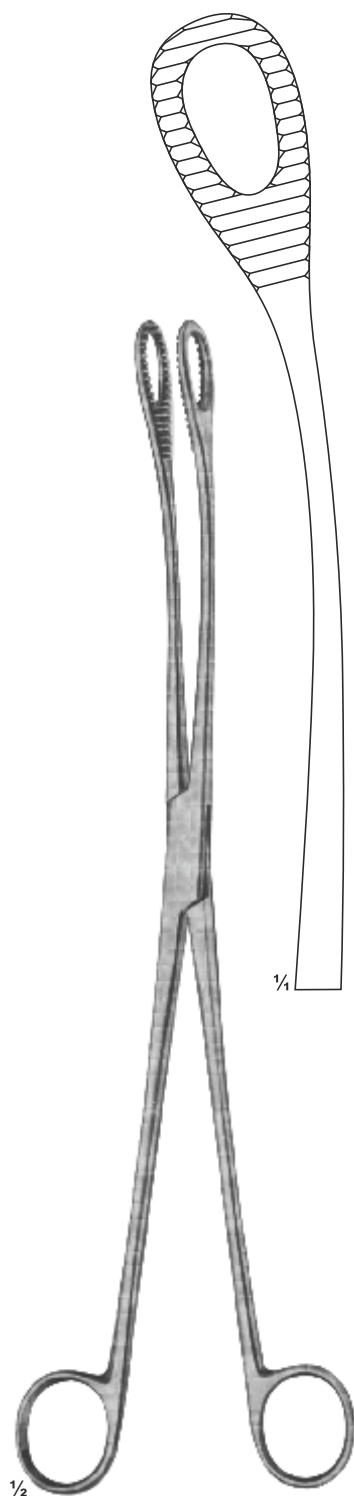


KANE
AS-08-132
85 mm



COLLIN
AS-08-133
85 mm

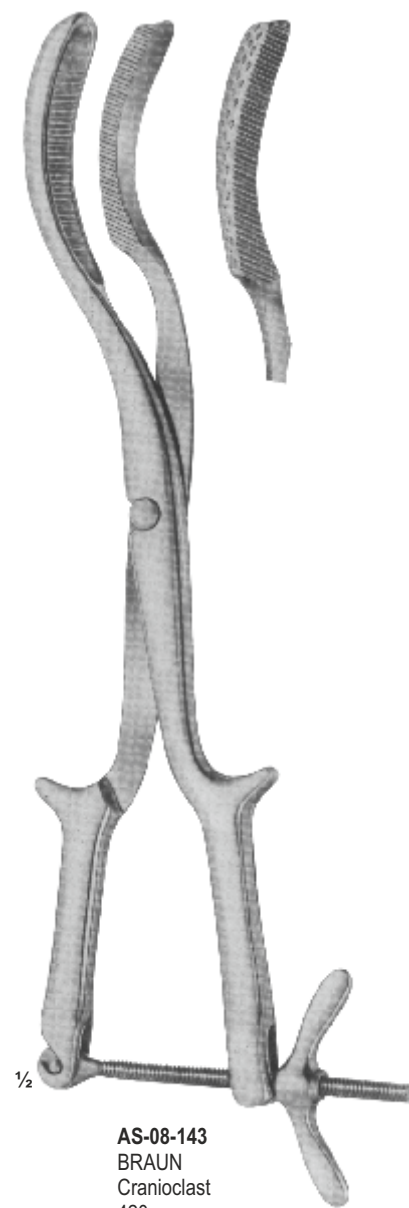




AS-08-141
KELLY
320mm



AS-08-142
SMELLIE
Perforator
270mm



AS-08-143
BRAUN
Cranioclast
420mm



AS-08-144
BOSE
165 mm



AS-08-145
BOSE
165 mm



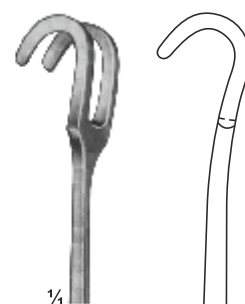
AS-08-146 - AS-08-148
180 mm



AS-08-146
sharp



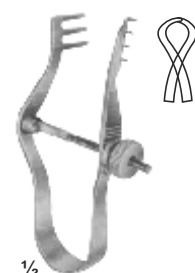
AS-08-147
blunt



AS-08-148
stumpf/blunt



AS-08-149
FINSEN
50 mm



AS-08-150
FINSEN
70 mm



AS-08-151
TROUSSEAU
120 mm



AS-08-152
LABORDE
125 mm



AS-08-153
LABORDE
strong pattern
135 mm

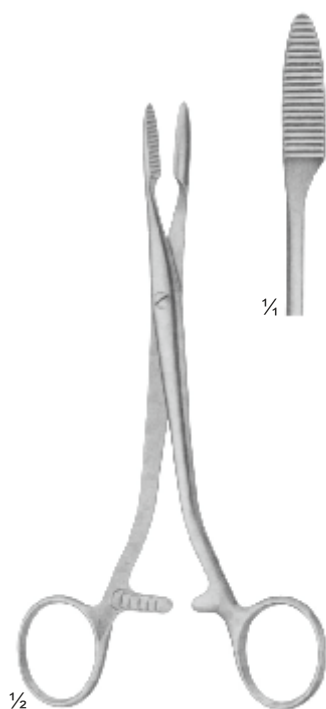


AS-08-154
Cleaning Brush
for tracheal tubes
285 mm

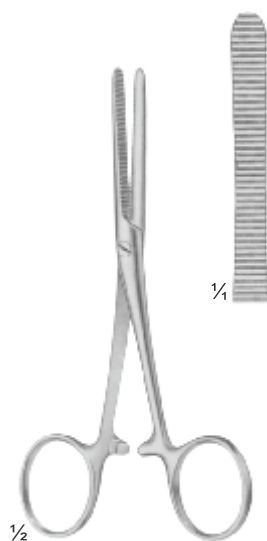


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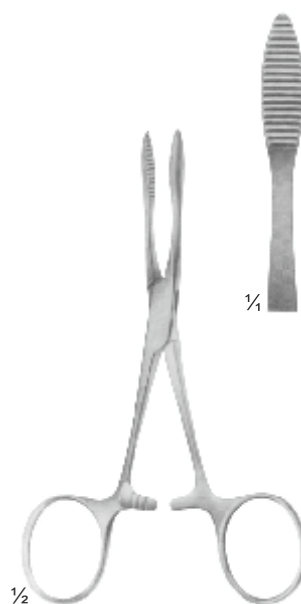
- Haemostatic Forceps



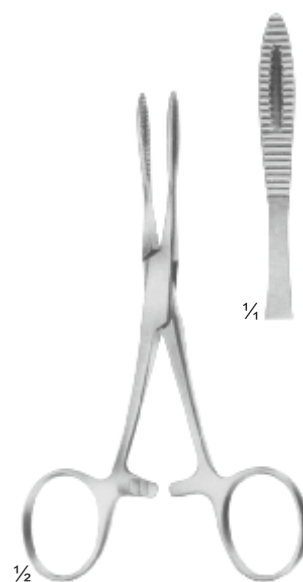
PEAN
AS-09-101 160 mm
AS-09-102 180 mm



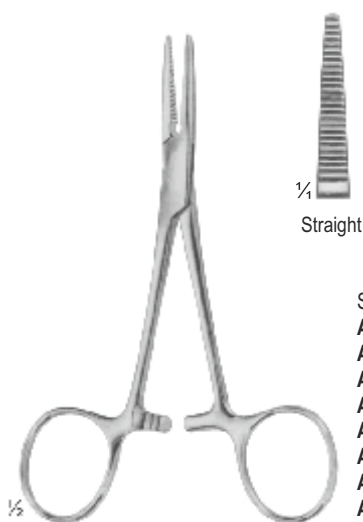
PEAN
AS-09-103 125 mm



PEAN
AS-09-104 125 mm
AS-09-105 140 mm

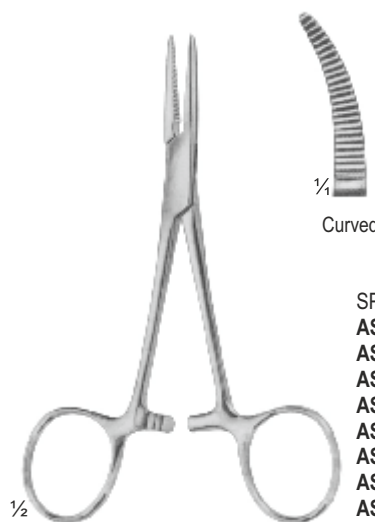


KRONLEIN
AS-09-106 130 mm



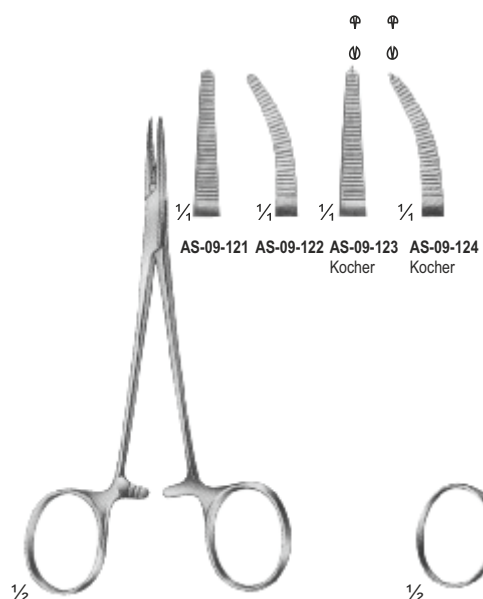
1/4
Straight

SPENCER-WELLS
AS-09-107 - AS-09-113
AS-09-107 130 mm
AS-09-108 140 mm
AS-09-109 150 mm
AS-09-110 180 mm
AS-09-111 200 mm
AS-09-112 250 mm
AS-09-113 300 mm

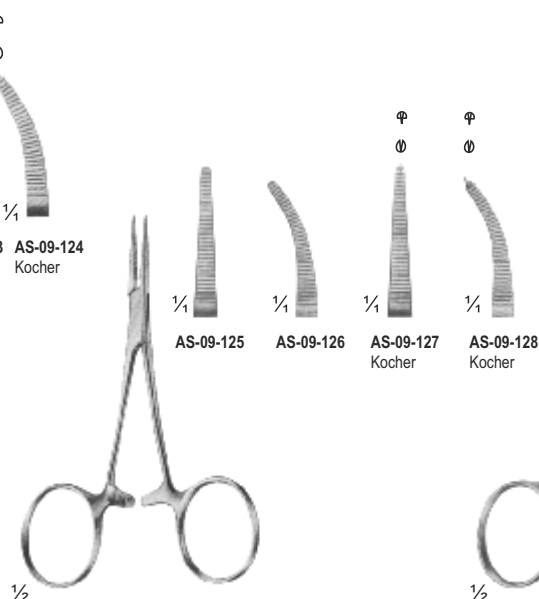


1/4
Curved

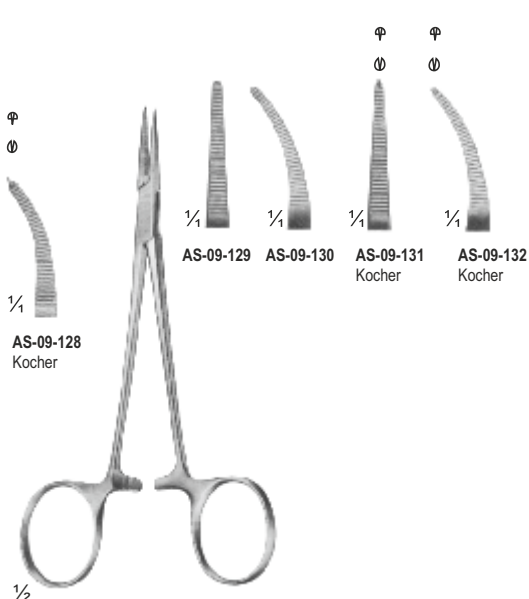
SPENCER-WELLS
AS-09-114 - AS-09-120
AS-09-114 130 mm
AS-09-115 140 mm
AS-09-116 150 mm
AS-09-117 180 mm
AS-09-118 200 mm
AS-09-119 250 mm
AS-09-120 300 mm



AS-09-121 - AS-09-124
HALSTED-MOSQUITO
125 mm



AS-09-125 - AS-09-128
BABY-MOSQUITO
(HARTMANN)
100 mm



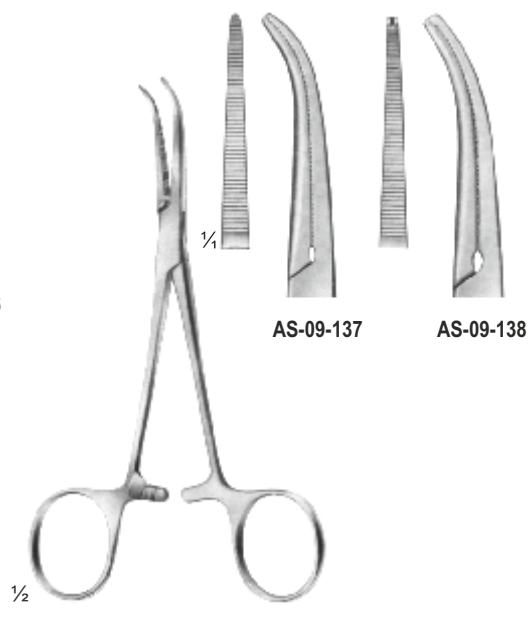
AS-09-129 - AS-09-132
MICRO-HALSTED
125 mm



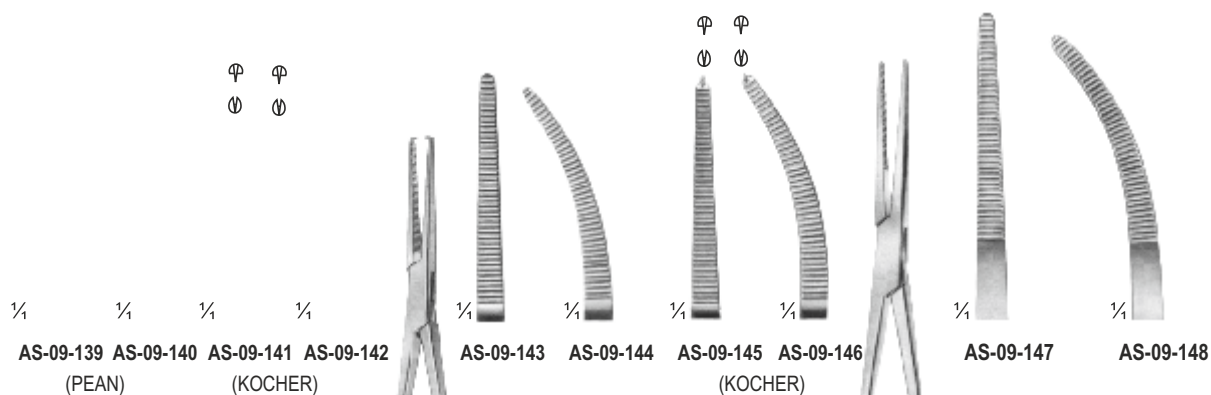
AS-09-133 - AS-09-134
PROVIDENCE-HOSPITAL
140 mm



AS-09-135 - AS-09-136
KELLY
140 mm



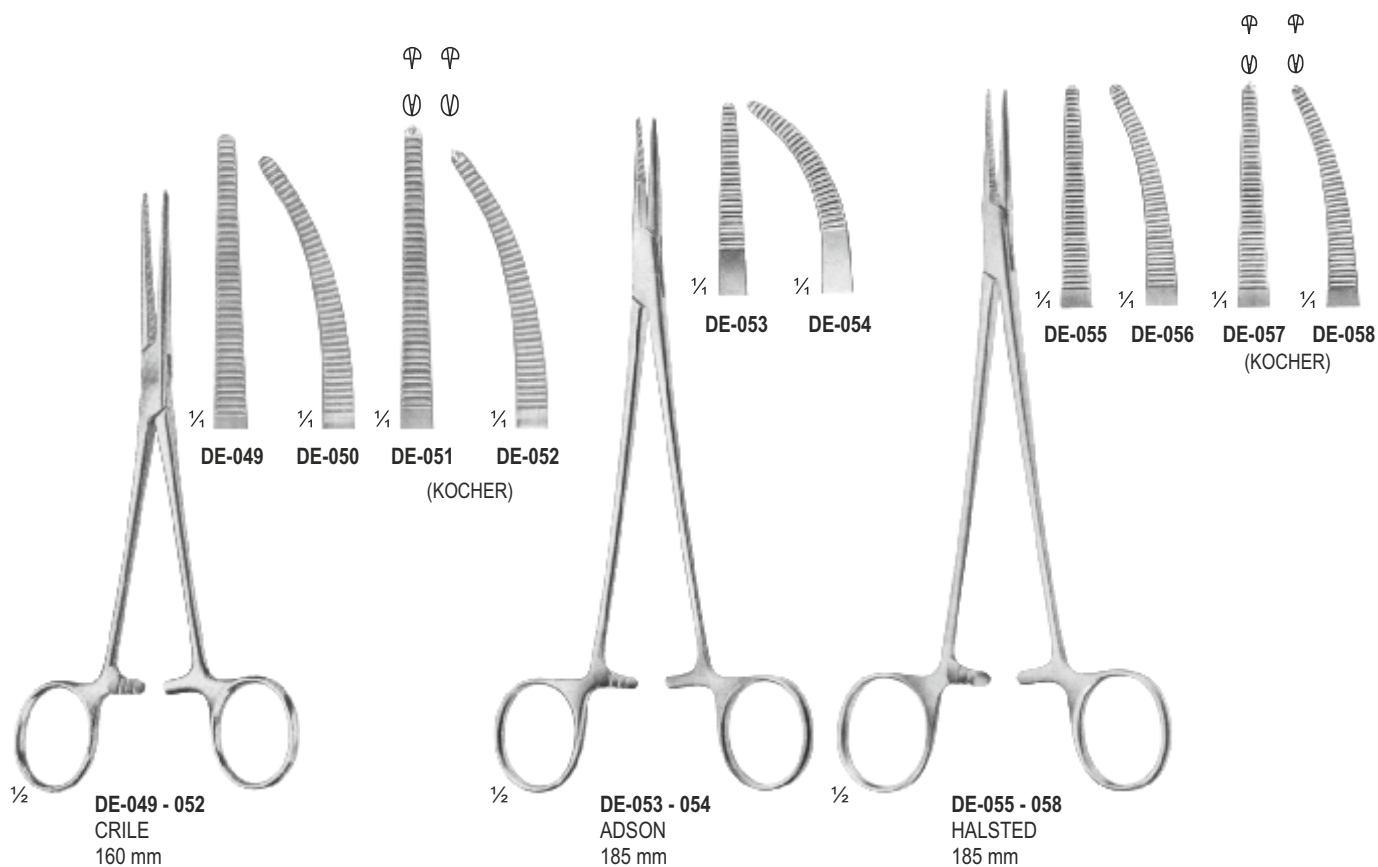
AS-09-137 - AS-09-138
DANDY
Curved sideways
140 mm



$\frac{1}{2}$ AS-09-139- AS-09-142
BABY-CRILE
140 mm

$\frac{1}{2}$ AS-09-143 - AS-09-146
CRILE
140 mm

$\frac{1}{2}$ AS-09-147 - AS-09-148
RANKIN
160 mm



$\frac{1}{2}$ DE-049 - 052
CRILE
160 mm

$\frac{1}{2}$ DE-053 - 054
ADSON
185 mm

$\frac{1}{2}$ DE-055 - 058
HALSTED
185 mm



AS-09-159 - AS-09-163
HEISS
200 mm



AS-09-159



AS-09-160



AS-09-161



AS-09-162

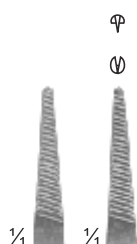


AS-09-163

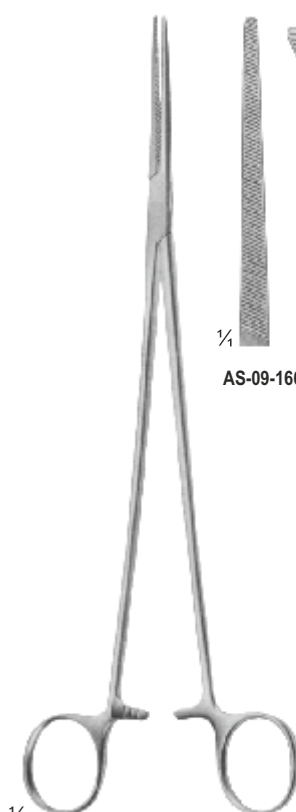
(Kocher)



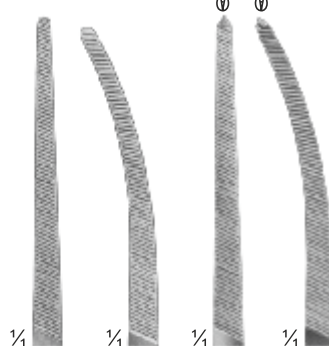
AS-09-164 - AS-09-165
HALSTED
215 mm



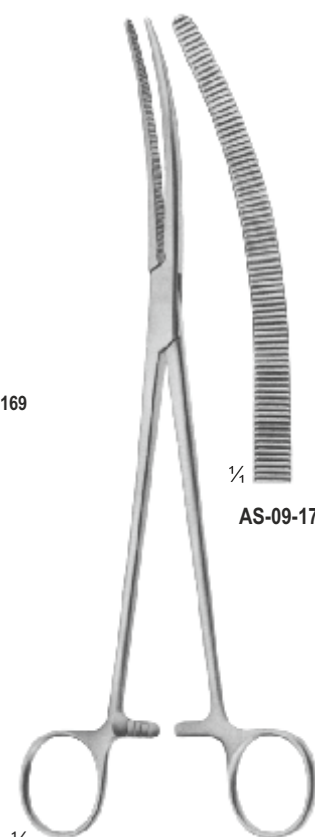
AS-09-164 AS-09-165
(Kocher)



AS-09-166 - AS-09-169
BENGOLEA
245 mm



AS-09-166 AS-09-167 AS-09-168 AS-09-169
(Kocher)

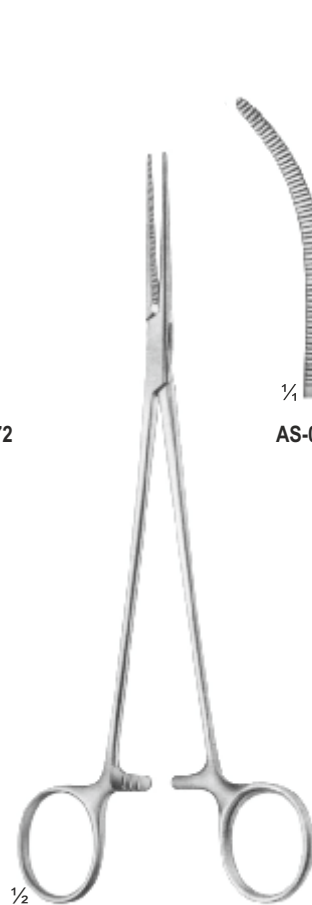
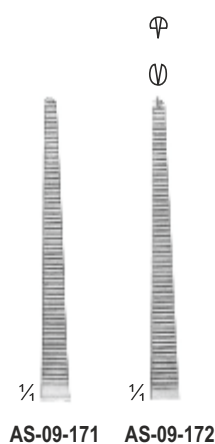


AS-09-170
CRAFOORD
245 mm

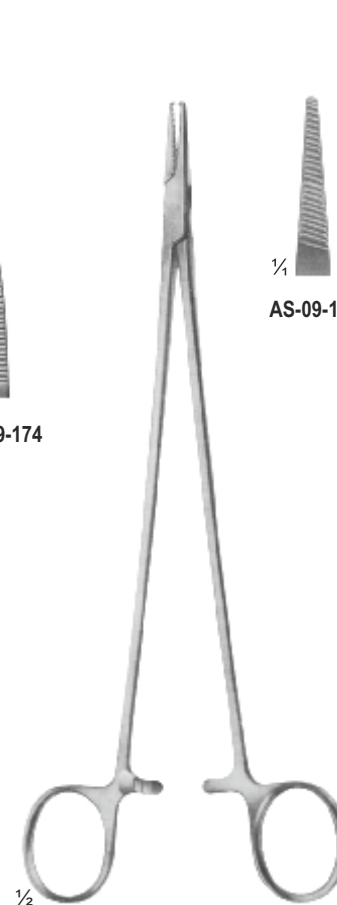
AS-09-170



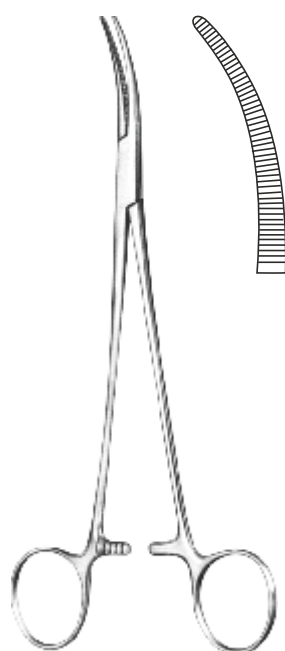
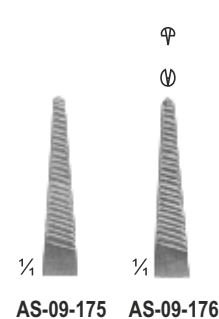
HALSTED-MOSQUITO
AS-09-171 180 mm
AS-09-172 210 mm



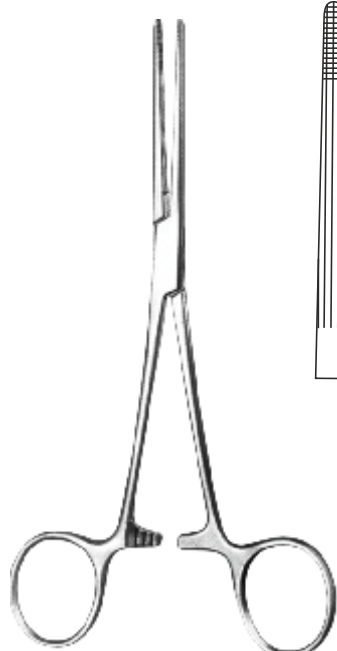
HALSTED-MOSQUITO
AS-09-173 180 mm
AS-09-174 210 mm



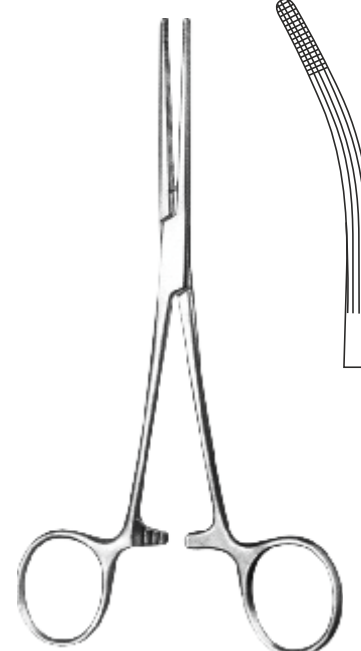
HALSTED
AS-09-175 - AS-09-176
215 mm



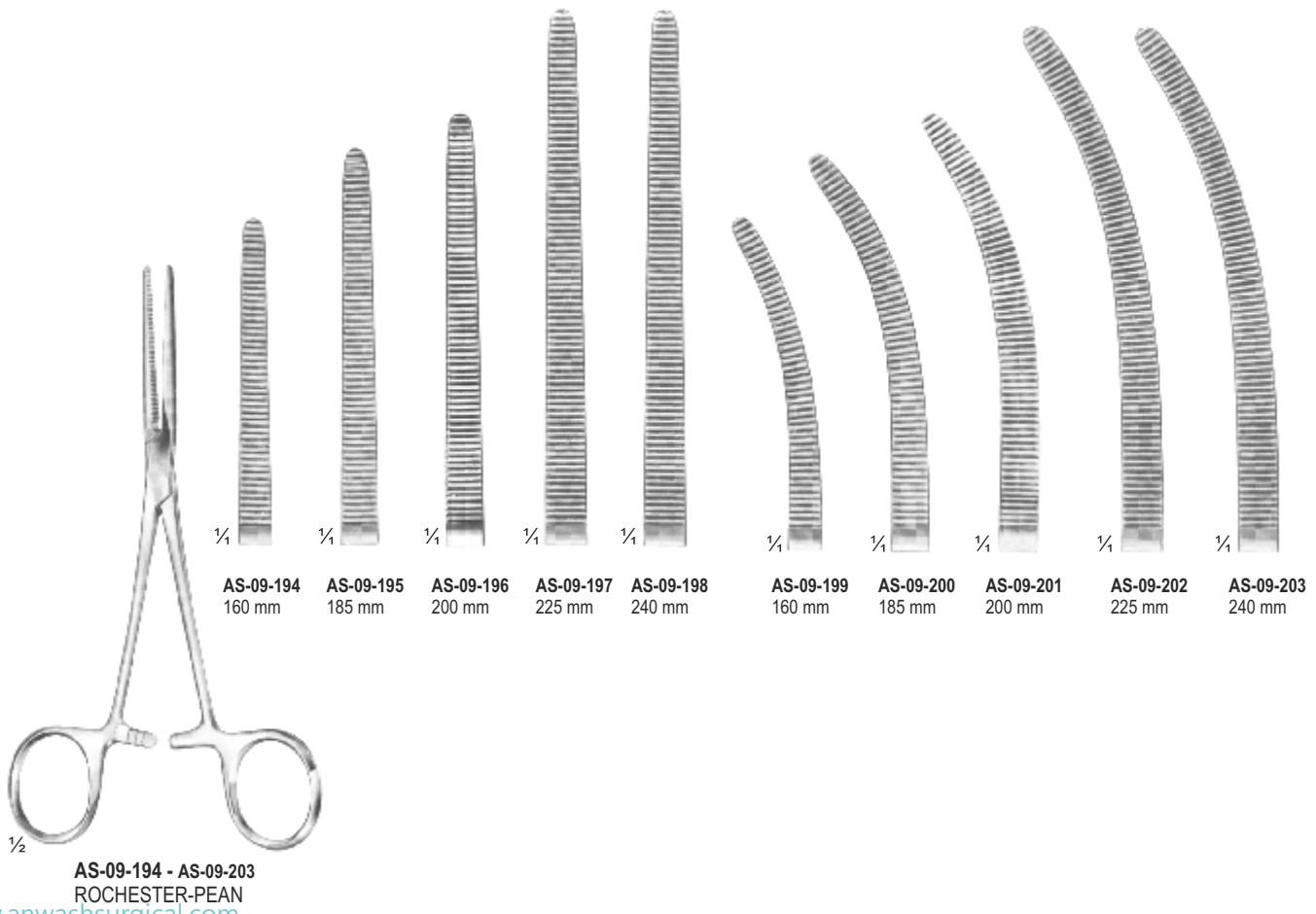
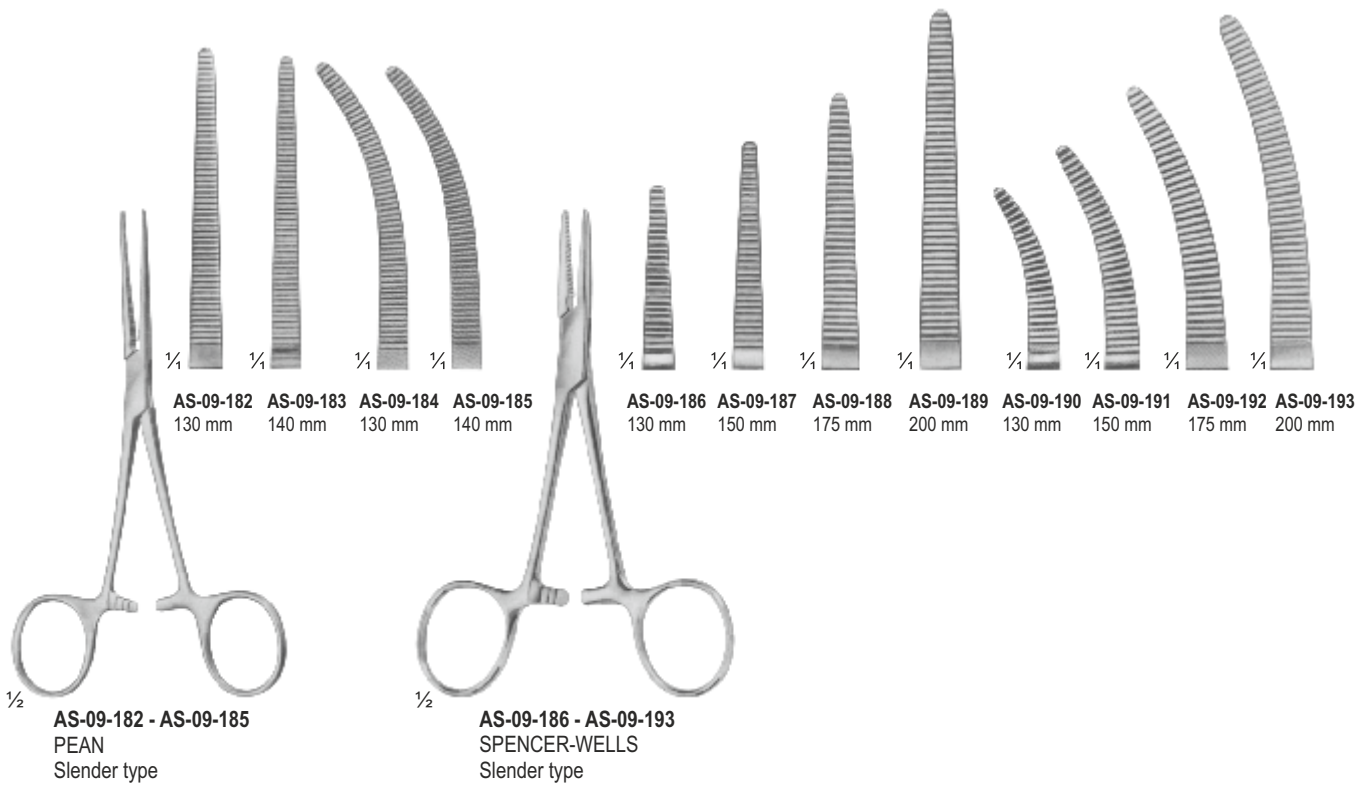
MARTIN-FUCHSIG
AS-09-177
200 mm

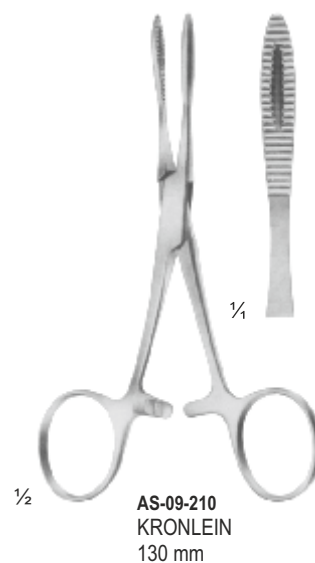
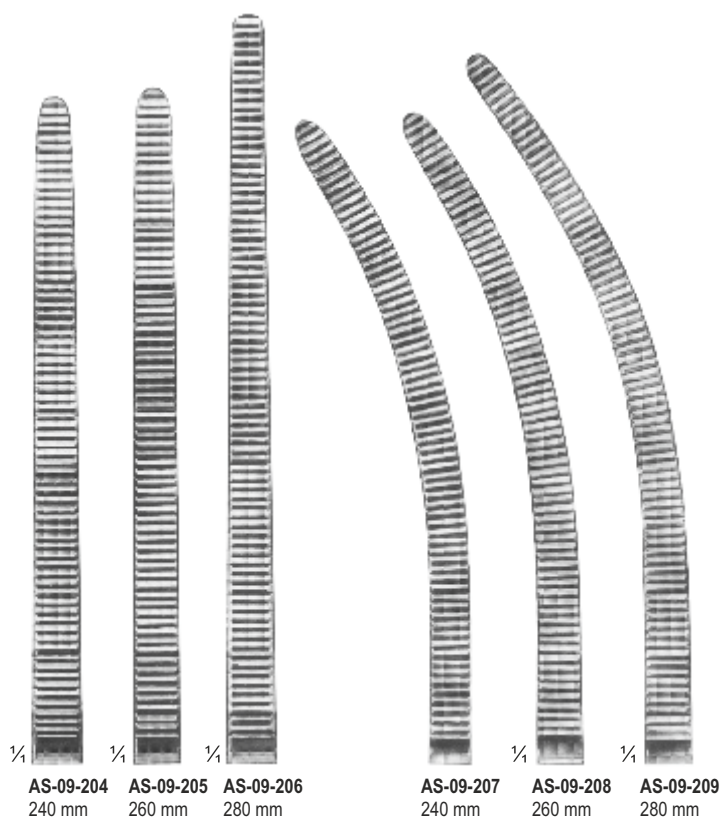


ROCHESTER-CARMALT
AS-09-178 170 mm
AS-09-179 200 mm



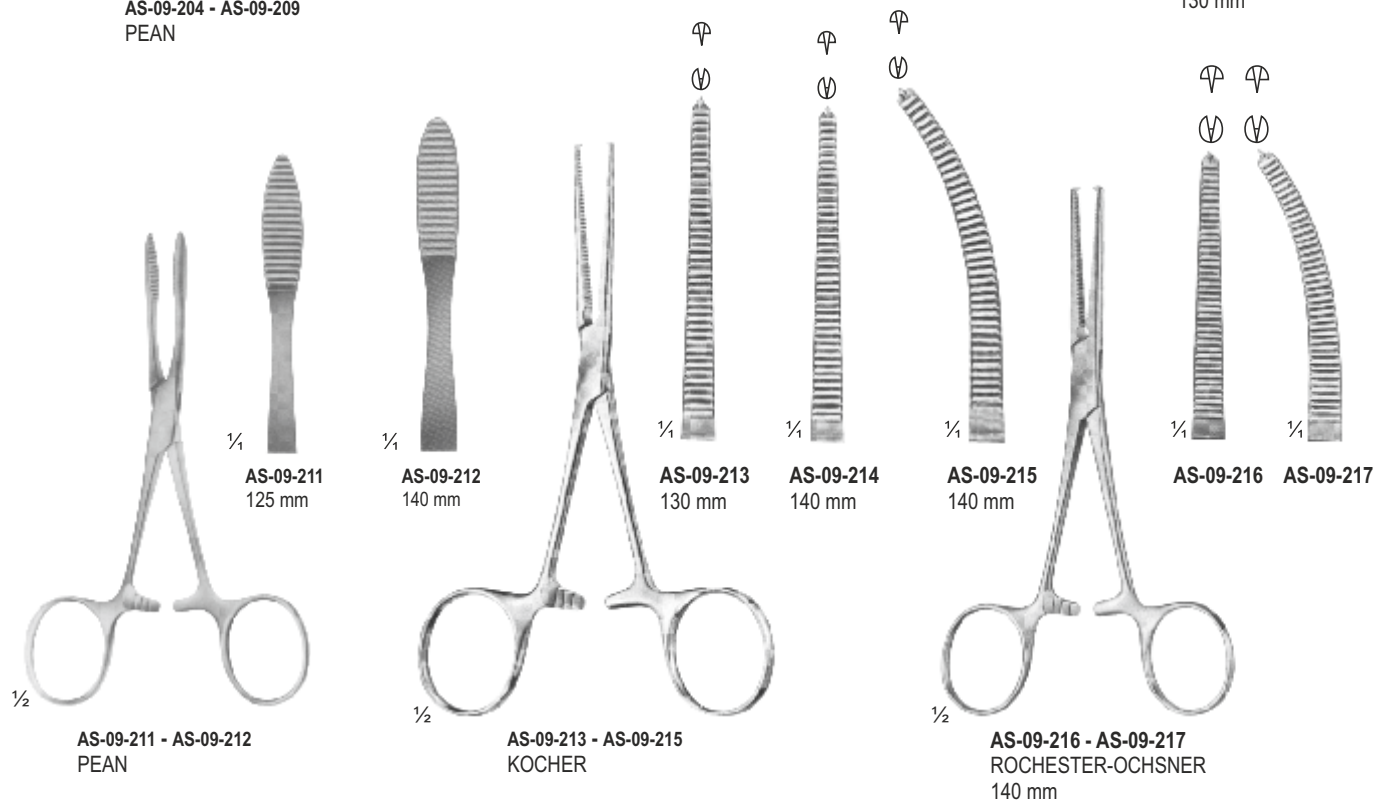
ROCHESTER-CARMALT
AS-09-180 160 mm
AS-09-181 200 mm





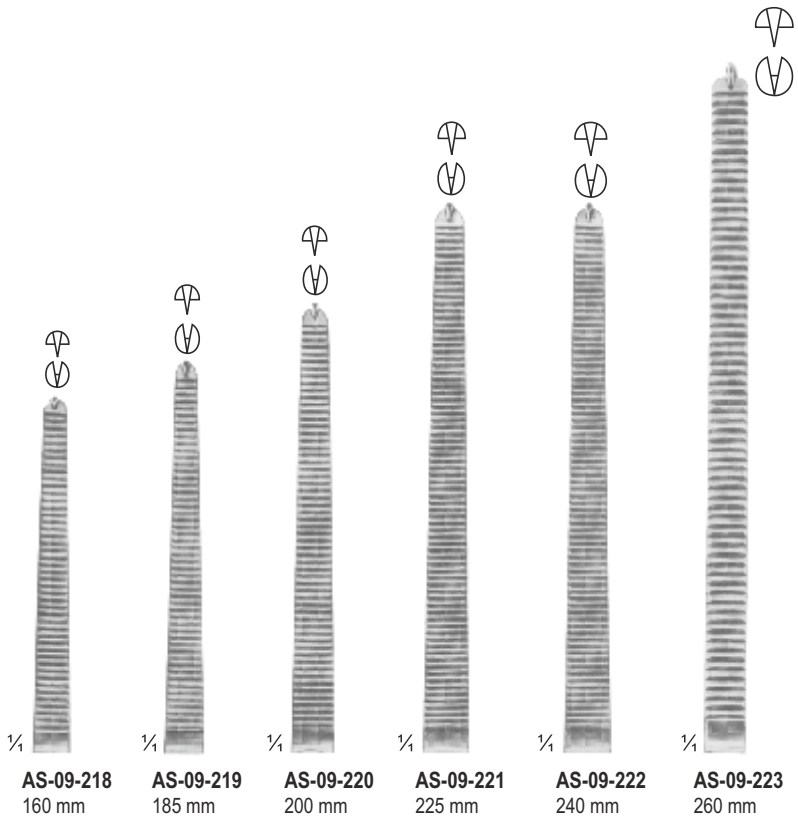
1/2

AS-09-204 - AS-09-209
PEAN

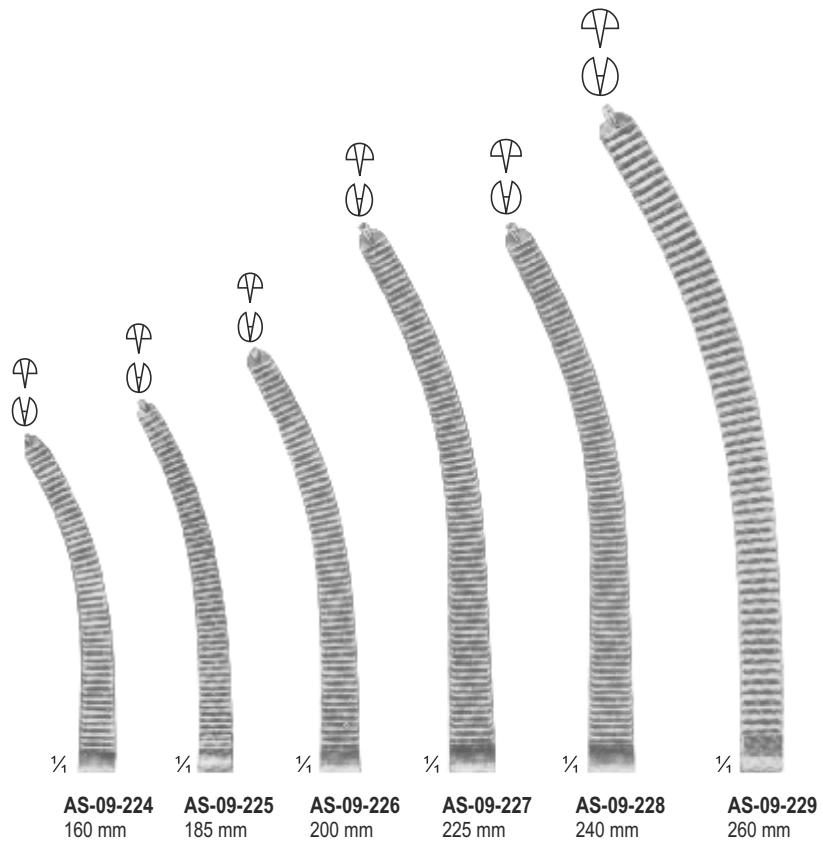




$\frac{1}{2}$
AS-09-218 - AS-09-223
KOCHER-OCHSNER (STR)



$\frac{1}{2}$
AS-09-224 - AS-09-229
KOCHER-OCHSNER (CVD)



$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$
AS-09-230 AS-09-231 AS-09-232 AS-09-233
 160 mm 200 mm 160 mm 200 mm

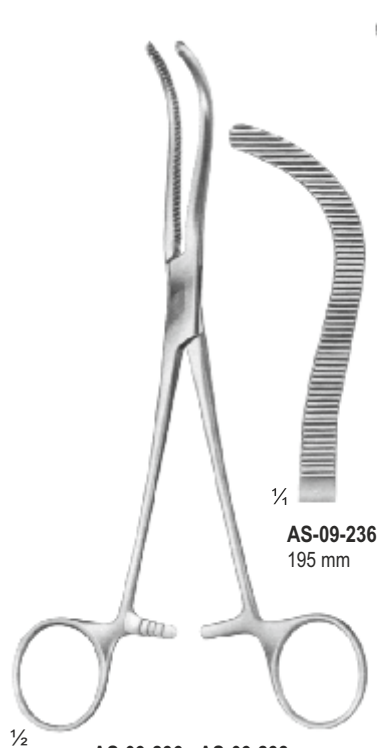
$\frac{1}{4}$ $\frac{1}{4}$
AS-09-234 AS-09-235
 230 mm 240 mm

$\frac{1}{2}$

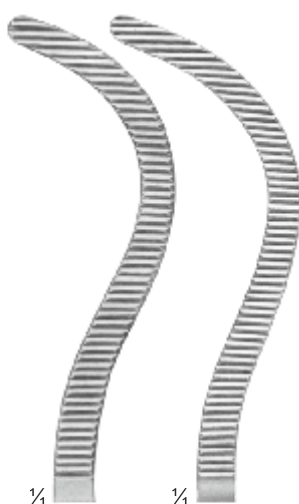
AS-09-230 - AS-09-233
 ROCHESTER-CARMALT

$\frac{1}{2}$

AS-09-234 - AS-09-235
 MOYNIHAN

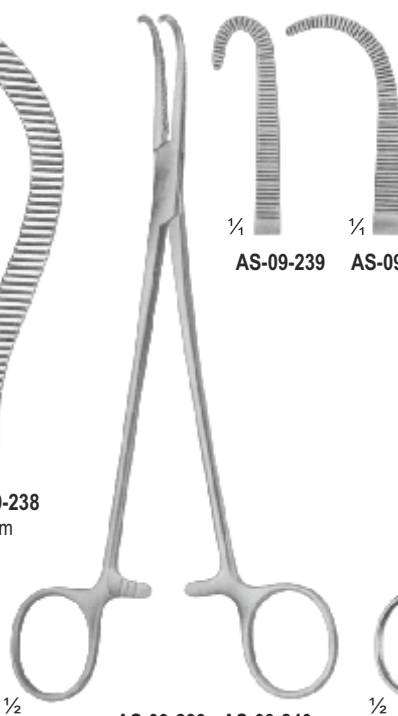


$\frac{1}{4}$
AS-09-236
 195 mm



$\frac{1}{4}$
AS-09-237
 220 mm

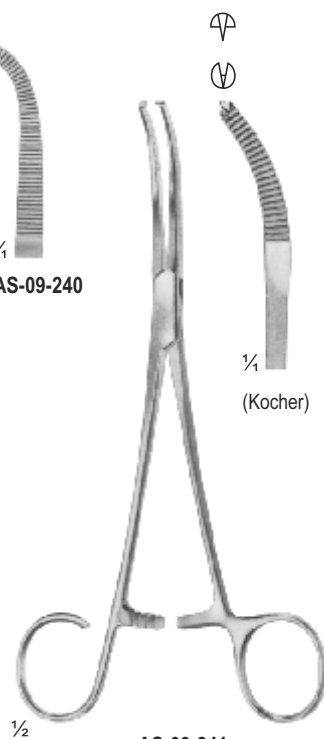
$\frac{1}{4}$
AS-09-238
 230 mm



$\frac{1}{4}$ $\frac{1}{4}$
AS-09-239 AS-09-240

$\frac{1}{2}$

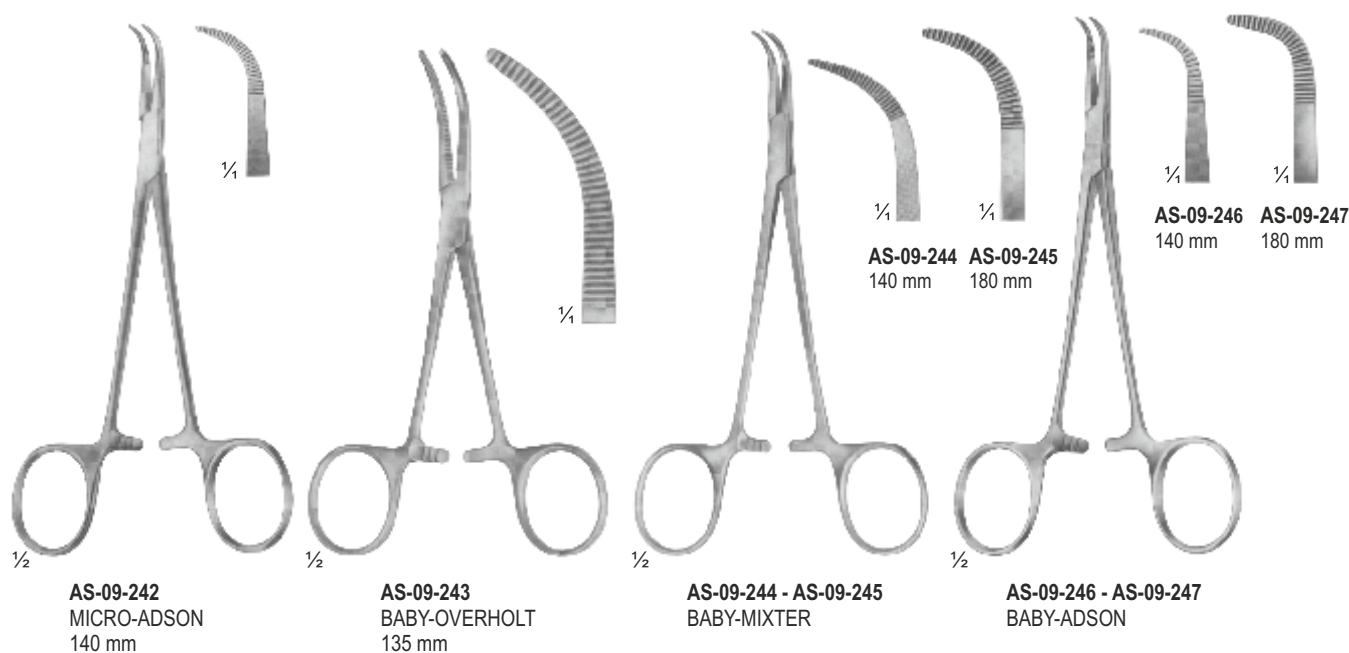
AS-09-239 - AS-09-240
 NEGUS
 190 mm



$\frac{1}{4}$
 (Kocher)

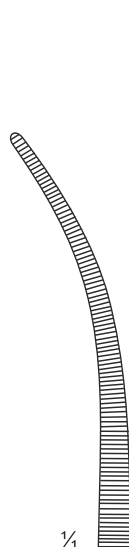
$\frac{1}{2}$

AS-09-241
 MIKULICZ
 185 mm

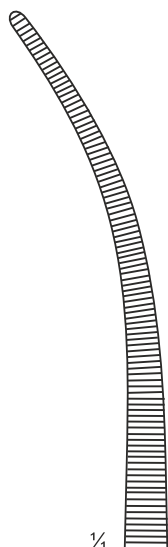




CRAFOORD
AS-09-252 - AS-09-253



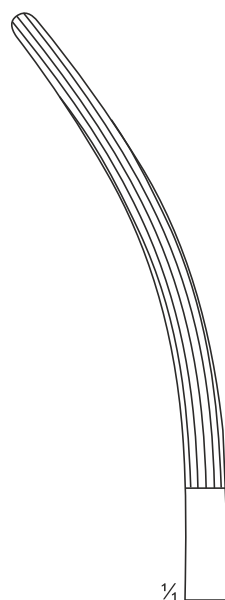
AS-09-252
180 mm



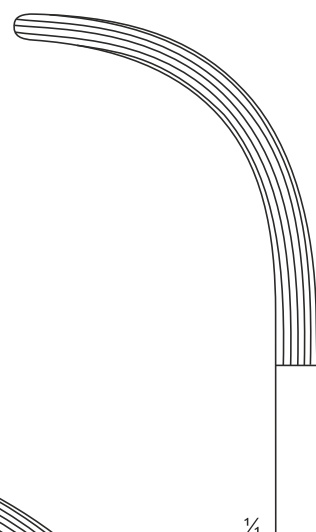
AS-09-253
240 mm



CRAFOORD-SELLORS
AS-09-254 - AS-09-256
240 mm

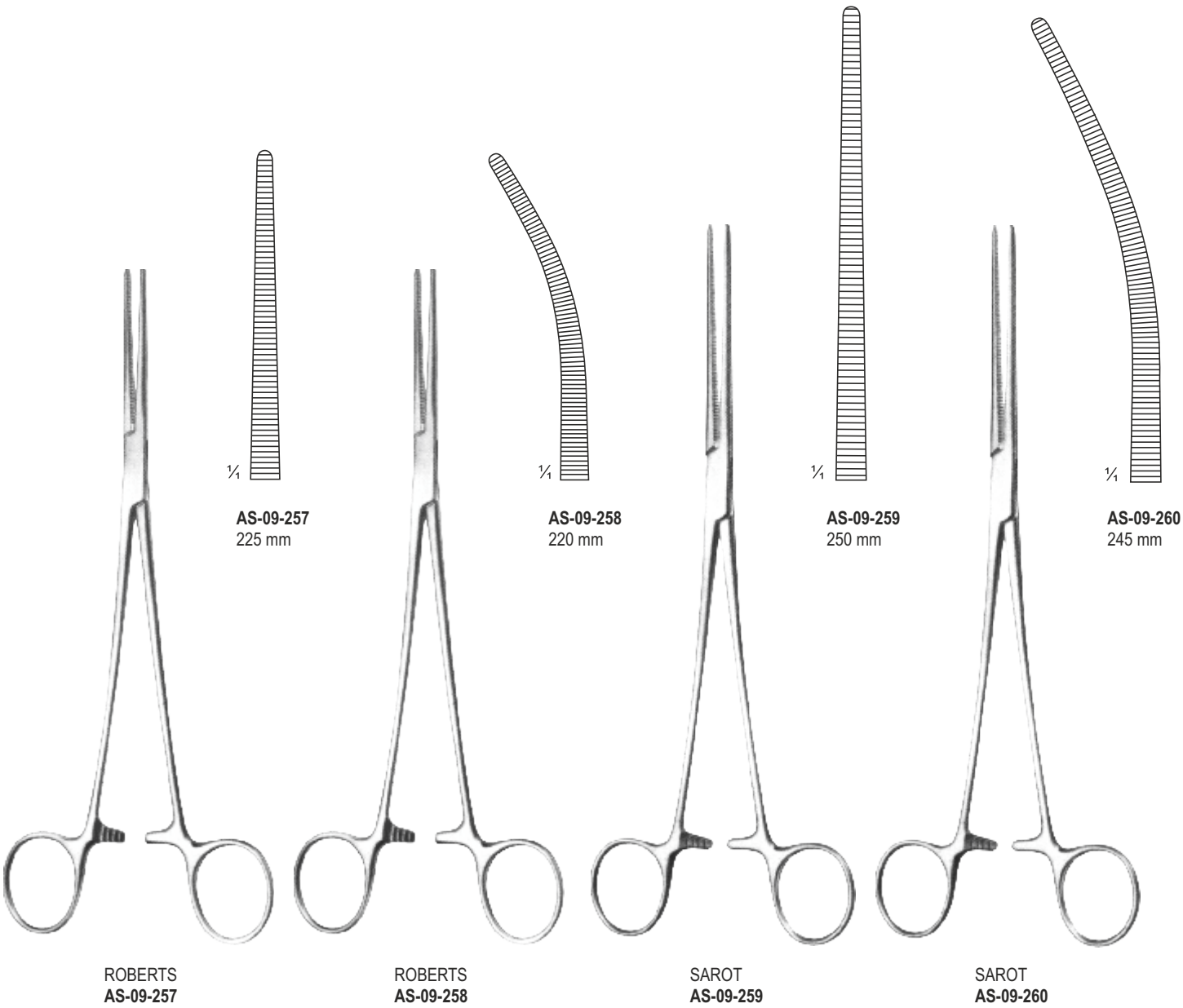


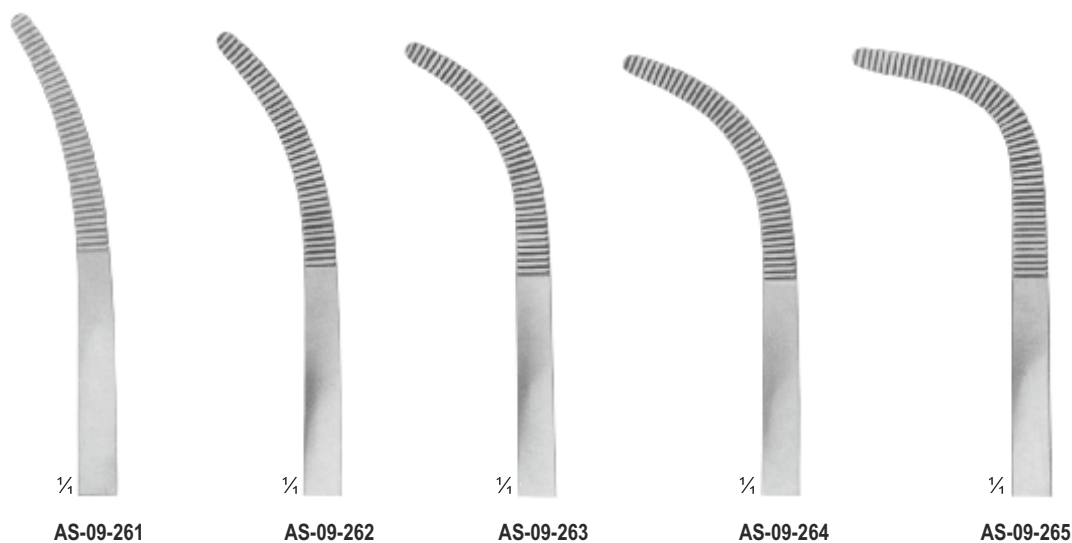
AS-09-254



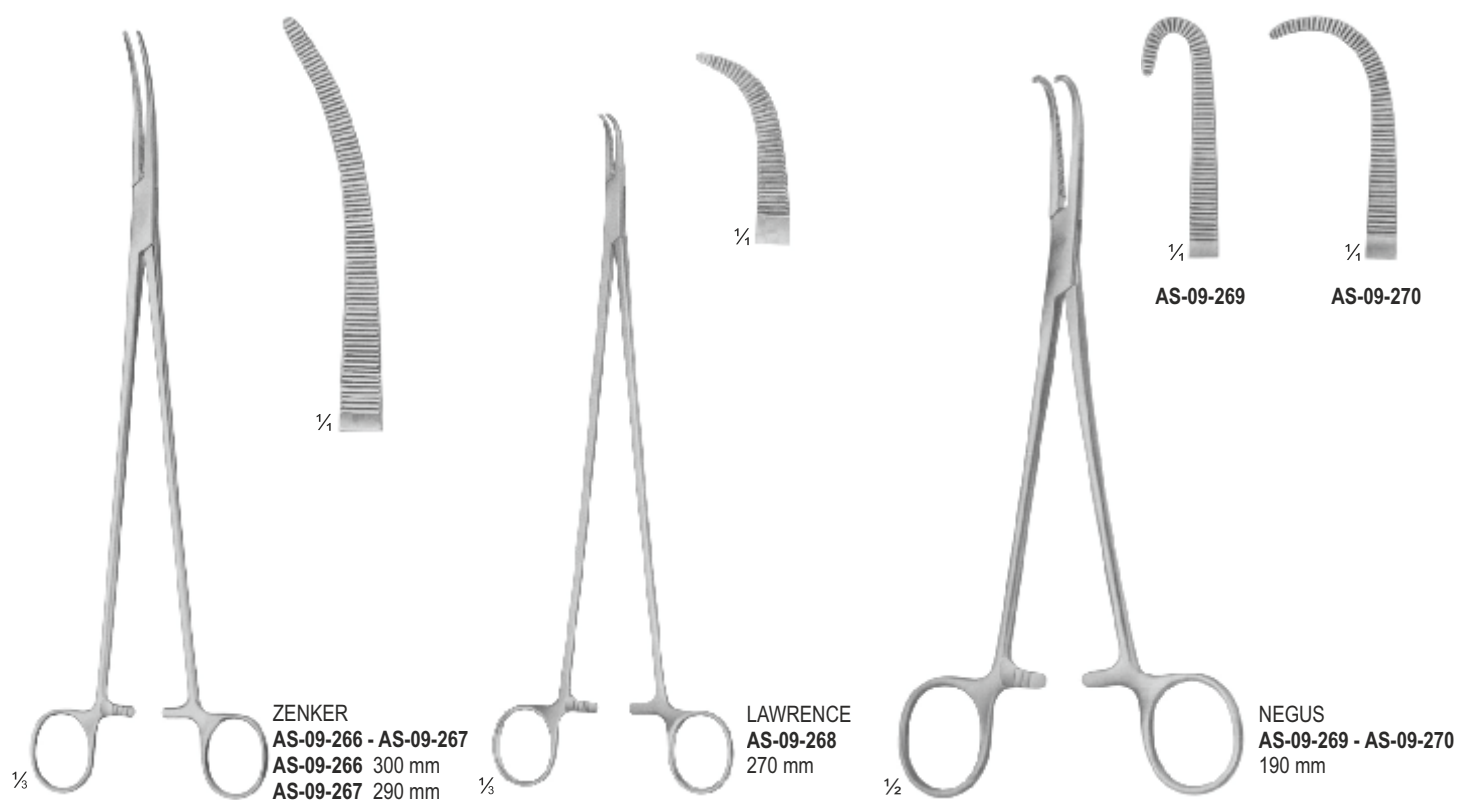
AS-09-255

AS-09-256





RUMEL
AS-09-261 - AS-09-265
240 mm



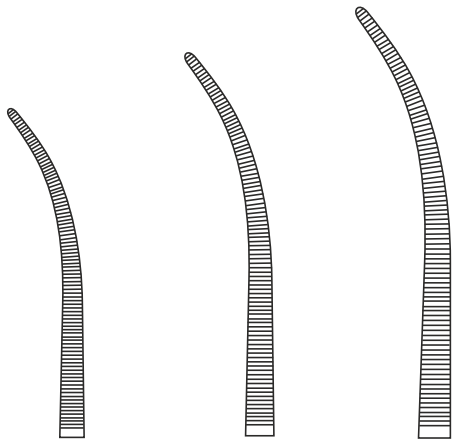
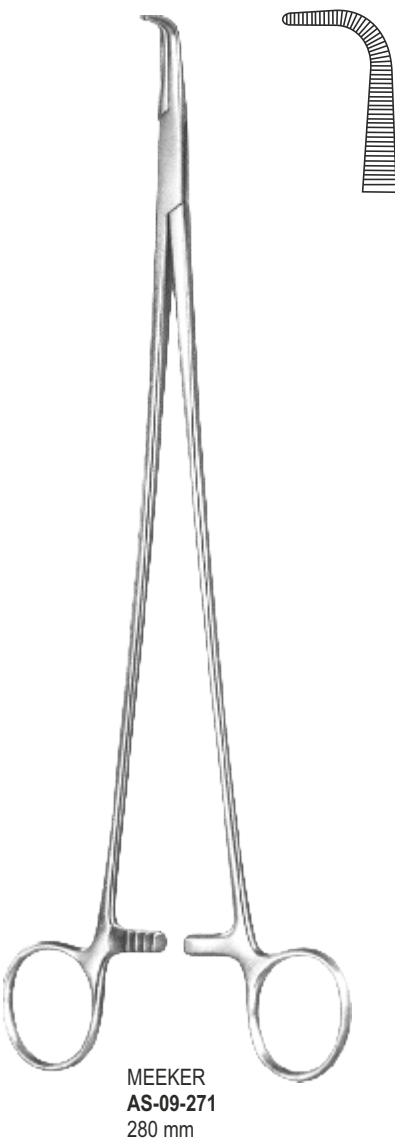


Fig. 1
AS-09-272
190 mm

Fig. 1
AS-09-273
225 mm

Fig. 1
AS-09-274
240 mm

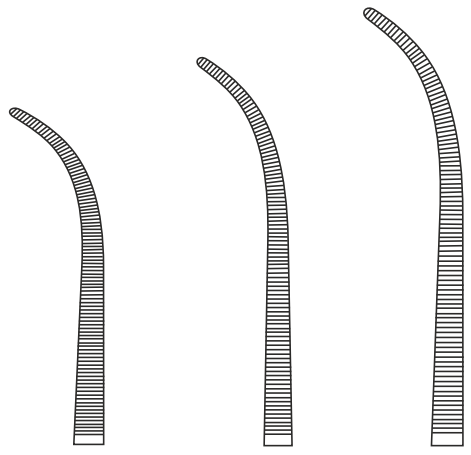


Fig. 2
AS-09-275
190 mm

Fig. 2
AS-09-276
220 mm

Fig. 2
AS-09-277
235 mm

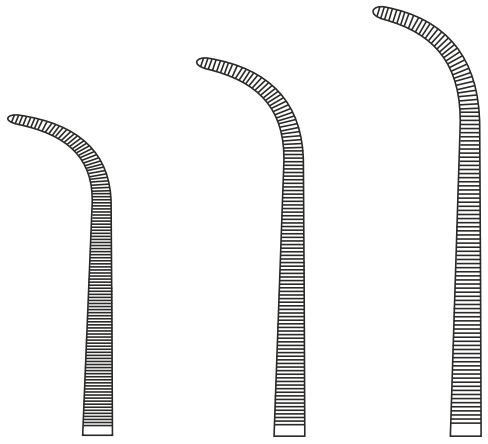
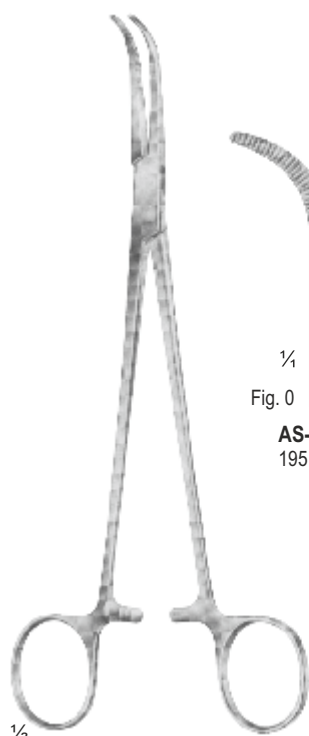


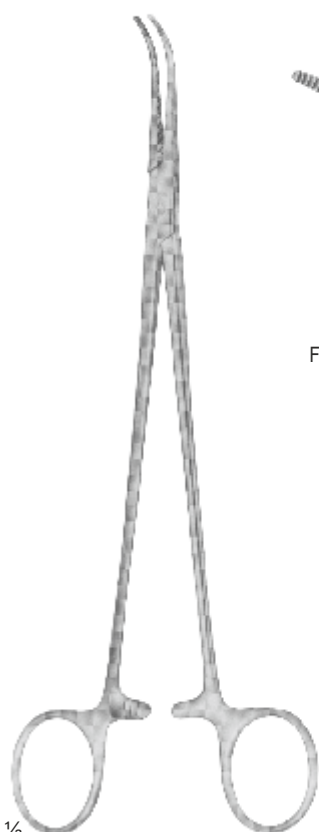
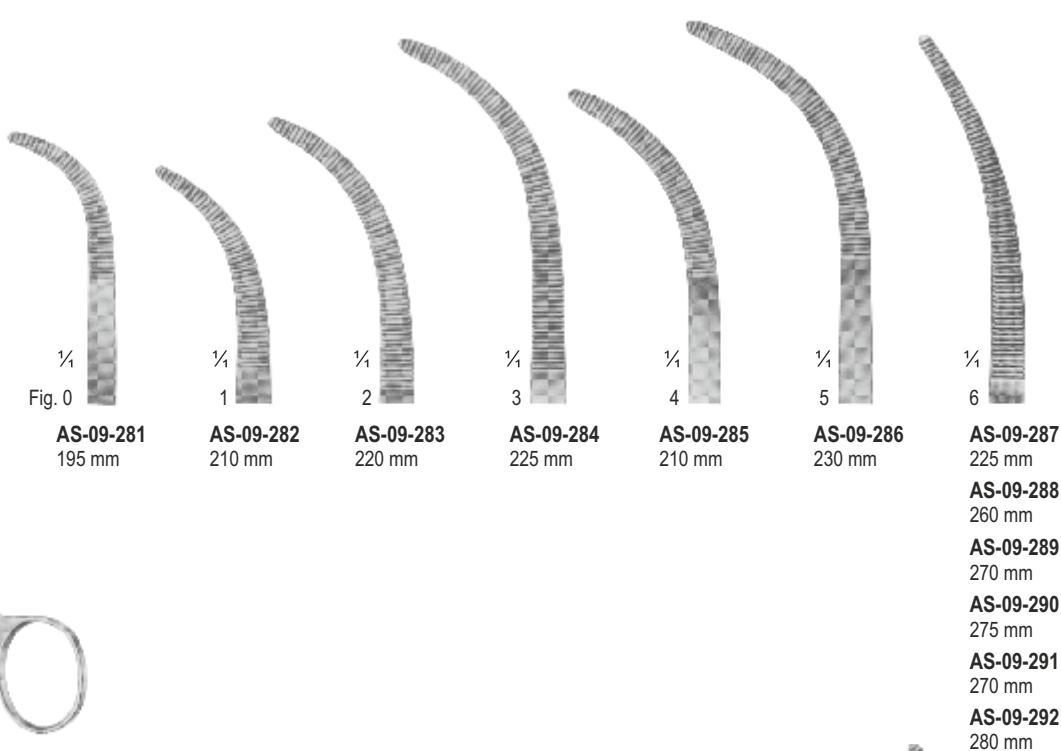
Fig. 3
AS-09-278
185 mm

Fig. 3
AS-09-279
215 mm

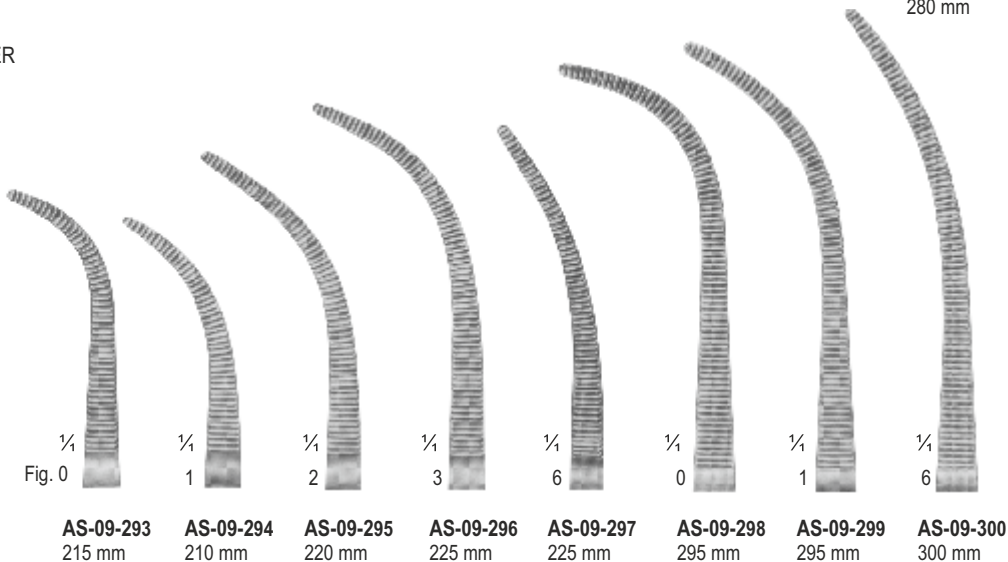
Fig. 3
AS-09-280
235 mm



AS-09-281 - AS-09-292
OVERHOLT-GEISSENDOERFER

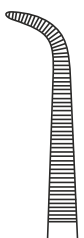


AS-09-293 - AS-09-300
OVERHOLT
fine pattern

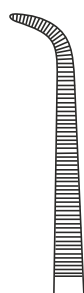




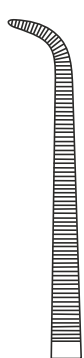
MINI-GEMINI
AS-09-301 - AS-09-304



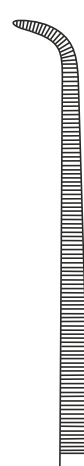
AS-09-301
180 mm



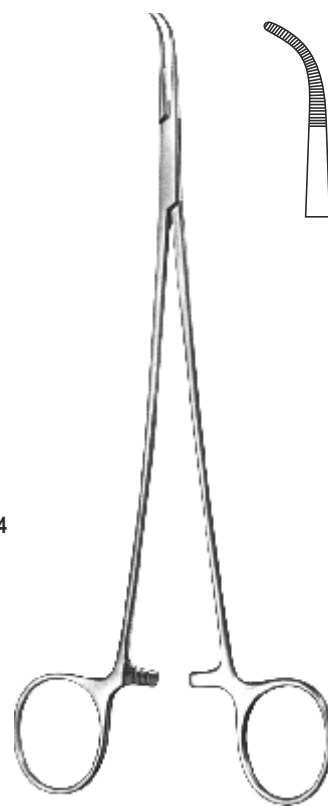
AS-09-302
230 mm



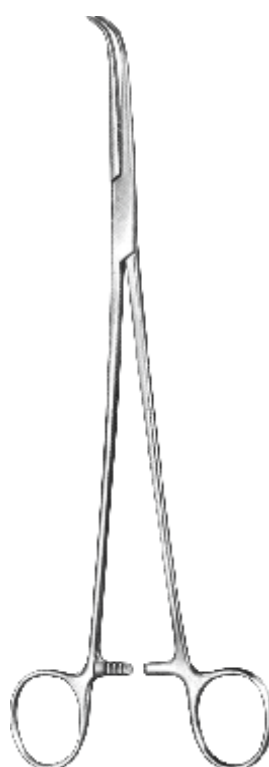
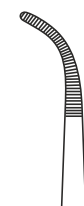
AS-09-303
250 mm



AS-09-304
280 mm



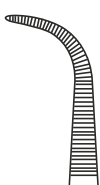
OVERHOLT-MINI
AS-09-305
200 mm



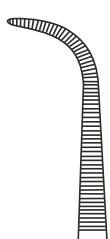
GEMINI
AS-09-306 - AS-09-312



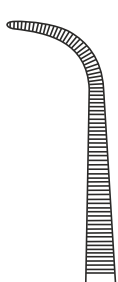
AS-09-306
130 mm



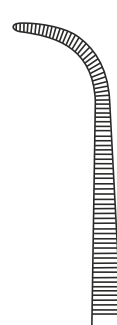
AS-09-307
160 mm



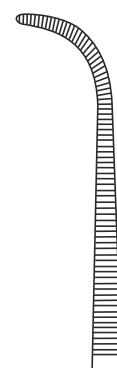
AS-09-308
180 mm



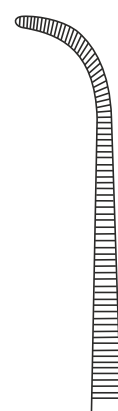
AS-09-309
210 mm



AS-09-310
230 mm



AS-09-311
250 mm



AS-09-312
280 mm



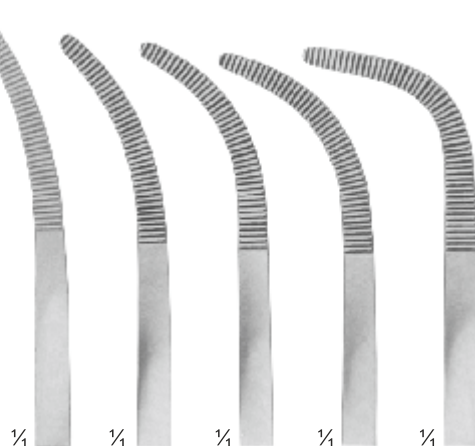
AS-09-313
MIXTER-O'SHAUGNESSY
190 mm



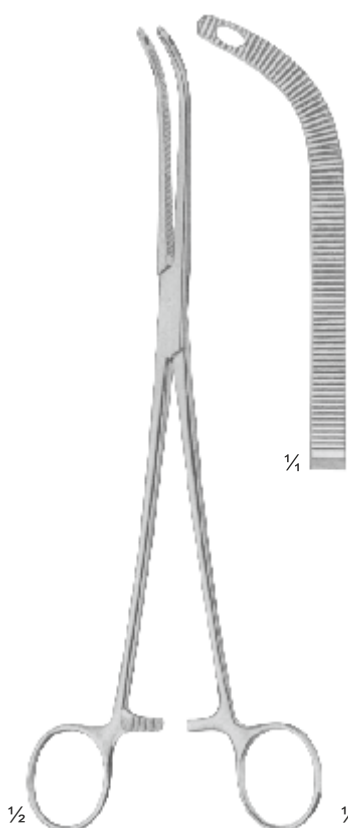
AS-09-314
HEISS
195 mm



AS-09-315 - AS-09-319
RUMEL
240 mm



AS-09-315 AS-09-316 AS-09-317 AS-09-318 AS-09-319



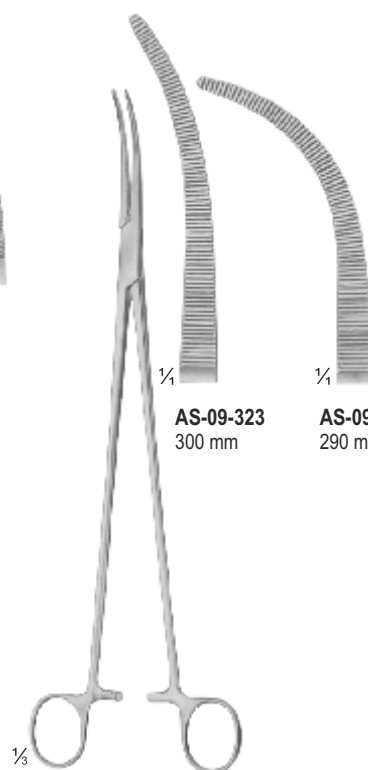
AS-09-320
FINOCHIETTO
245 mm



AS-09-321
MIXTER
230 mm



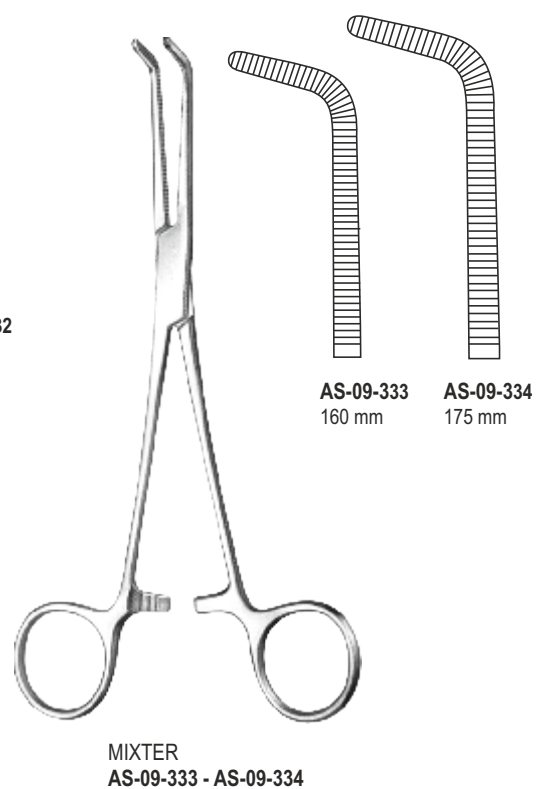
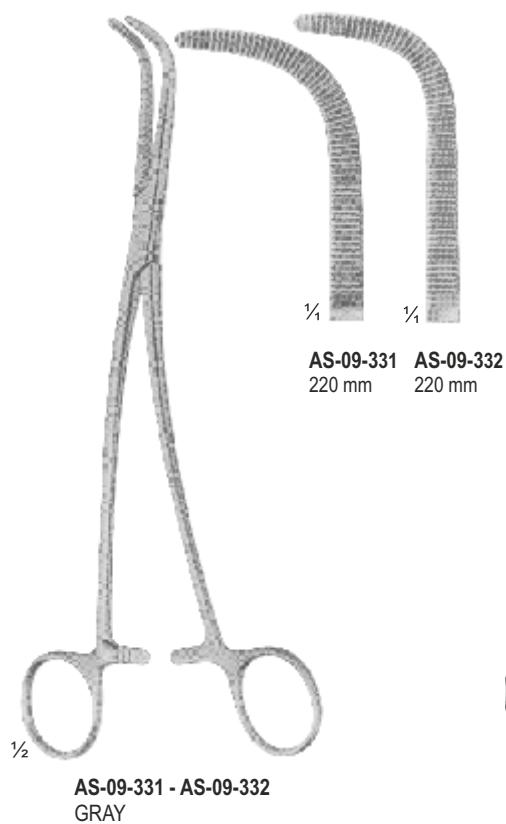
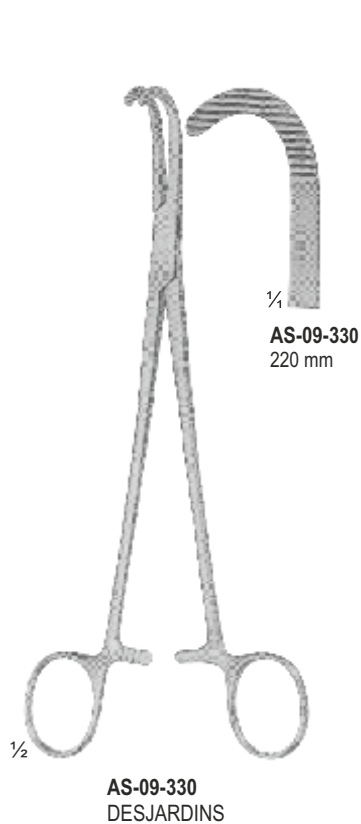
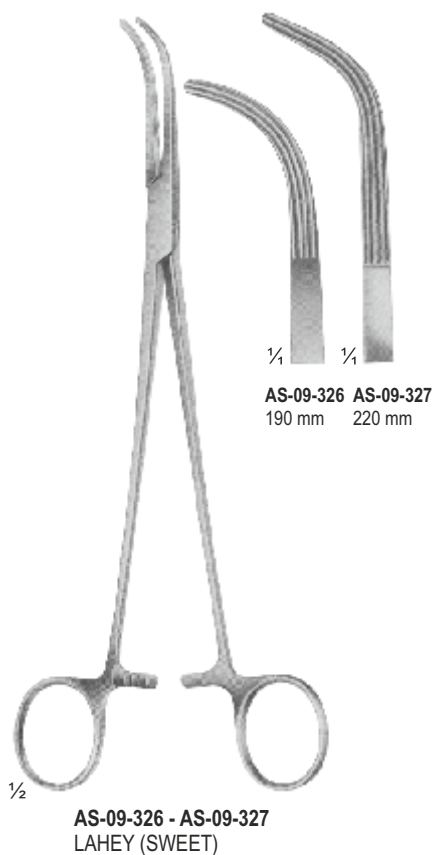
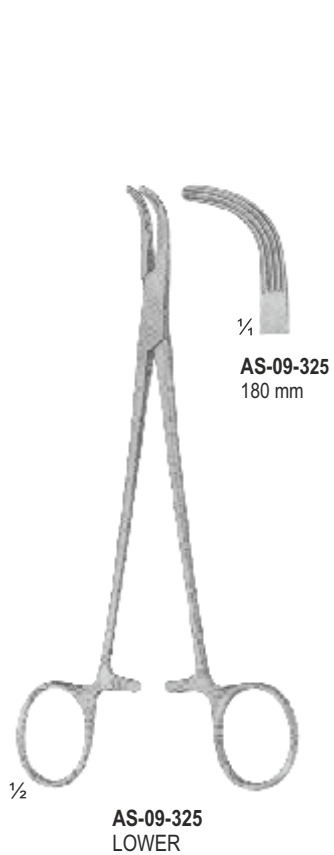
AS-09-322
LAWRENCE
270 mm

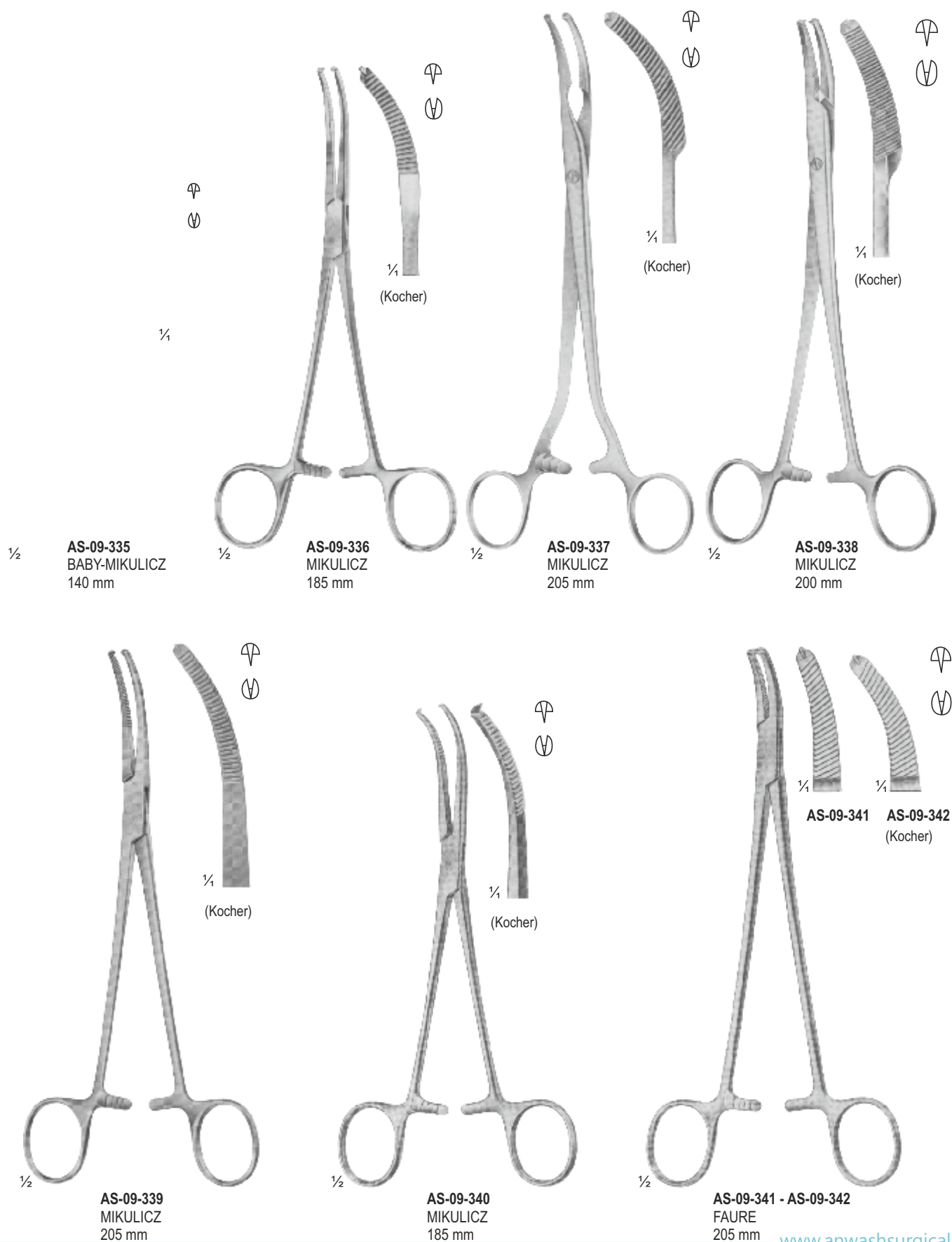


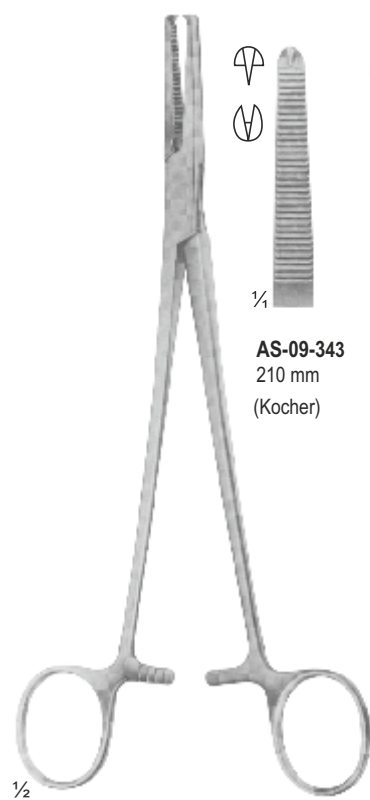
AS-09-323 - AS-09-324
ZENKER

AS-09-323
300 mm

AS-09-324
290 mm



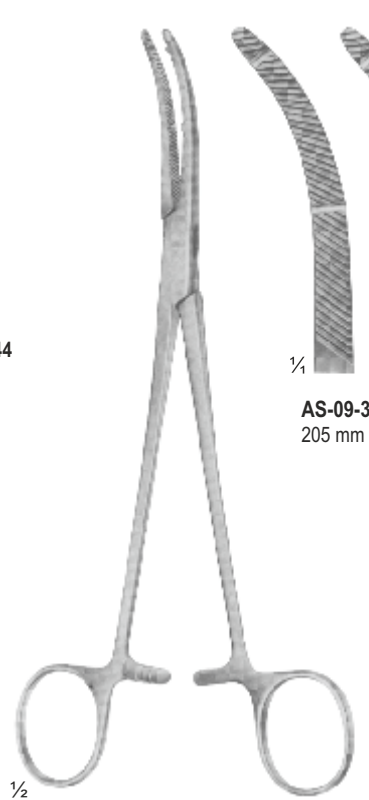




AS-09-343
210 mm
(Kocher)

AS-09-344
205 mm
(Kocher)

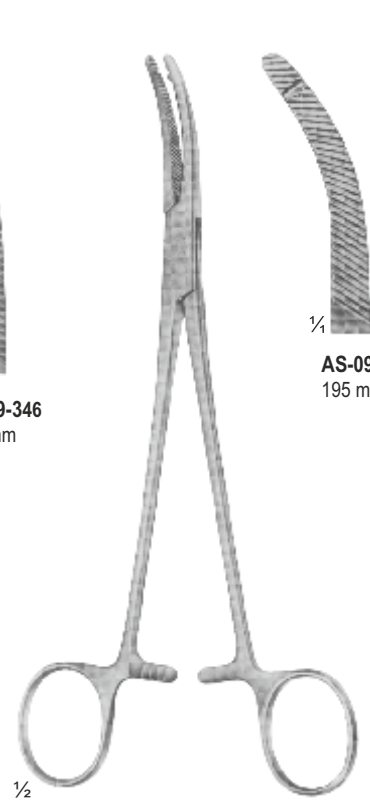
AS-09-343 - AS-09-344
PHANEUF



AS-09-345
205 mm

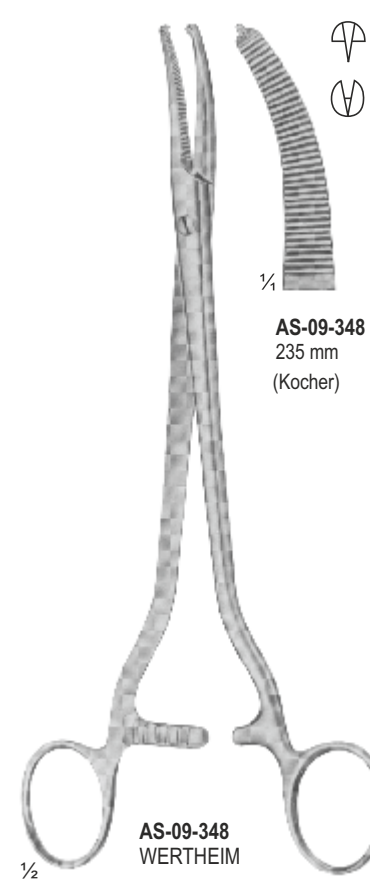
AS-09-346
245 mm

AS-09-345 - AS-09-346
HEANEY modif.



AS-09-347
195 mm

AS-09-347
HEANEY



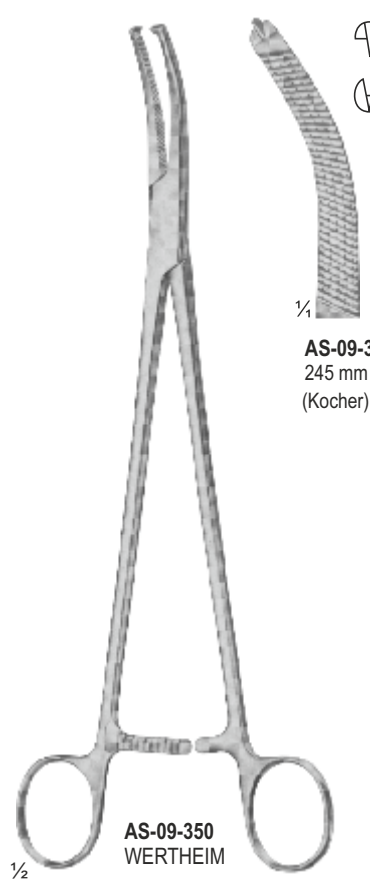
AS-09-348
235 mm
(Kocher)

AS-09-348
WERTHEIM



AS-09-349
235 mm
(Kocher)

AS-09-349
WERTHEIM

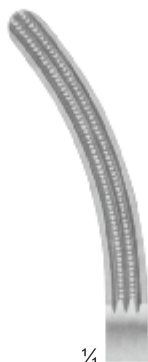


AS-09-350
245 mm
(Kocher)

AS-09-350
WERTHEIM



AS-09-351
225 mm



AS-09-352
220 mm



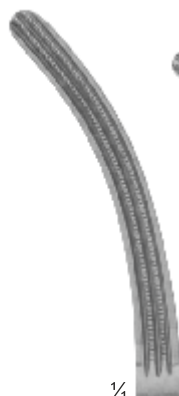
AS-09-353
215 mm



AS-09-354
205 mm



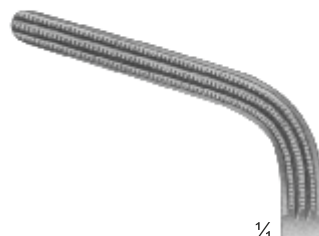
AS-09-355
250 mm



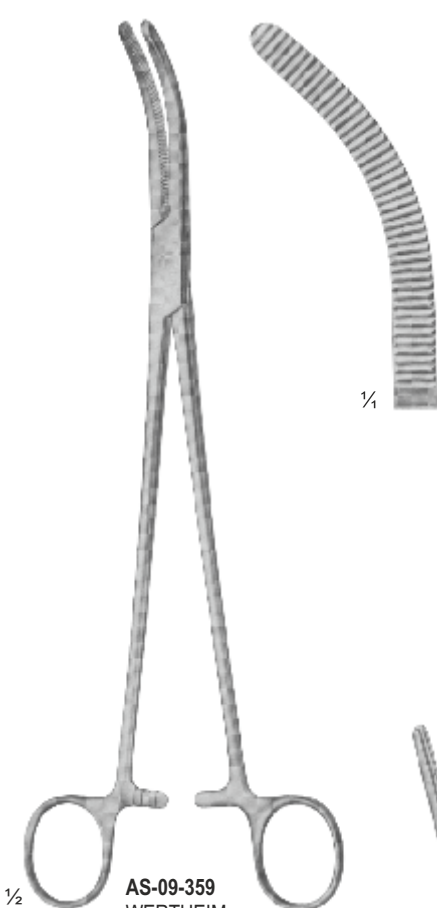
AS-09-356
245 mm



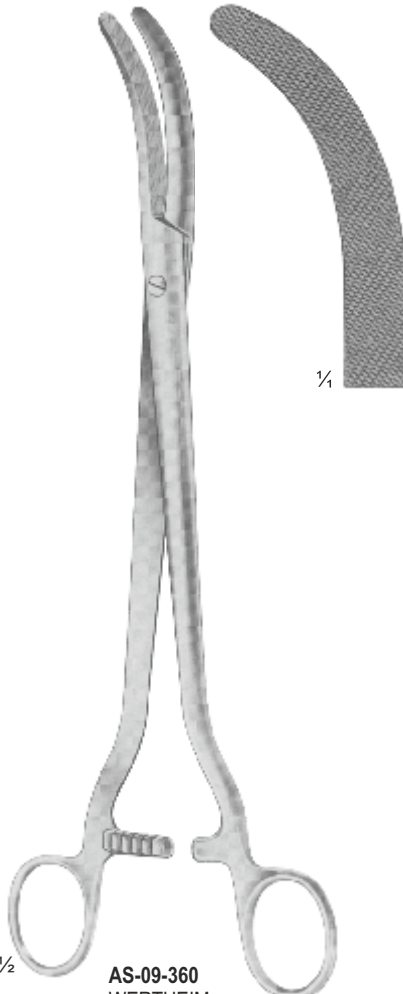
AS-09-357
240 mm



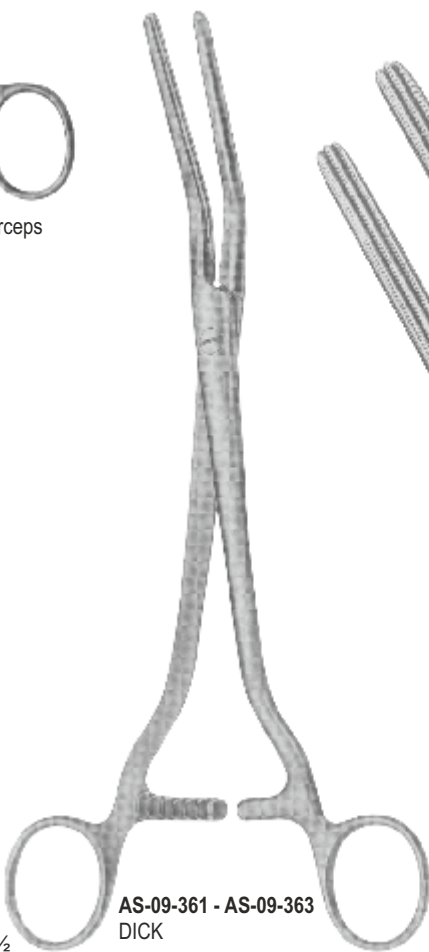
AS-09-358
220 mm



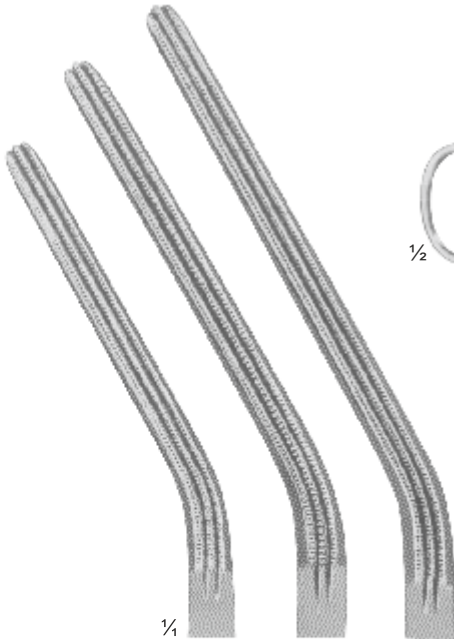
$\frac{1}{2}$ **AS-09-359**
WERTHEIM
Hysterectomy Forceps
255 mm



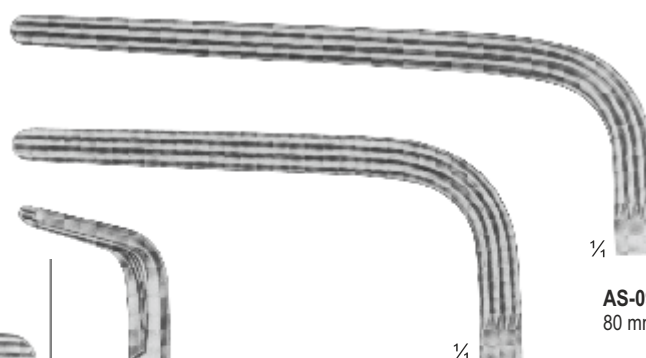
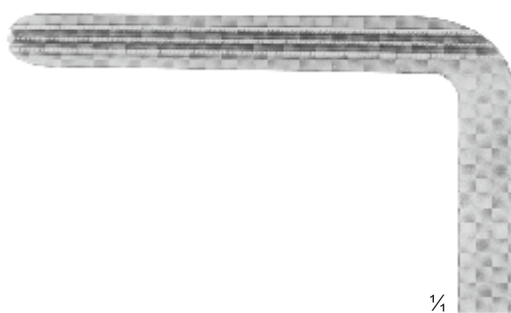
$\frac{1}{2}$ **AS-09-360**
WERTHEIM
Parametrium Clamp
260 mm



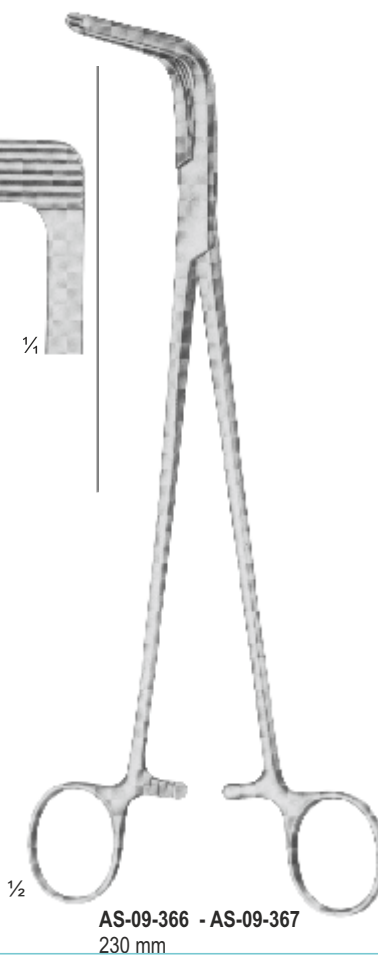
$\frac{1}{2}$ **AS-09-361 - AS-09-363**
DICK

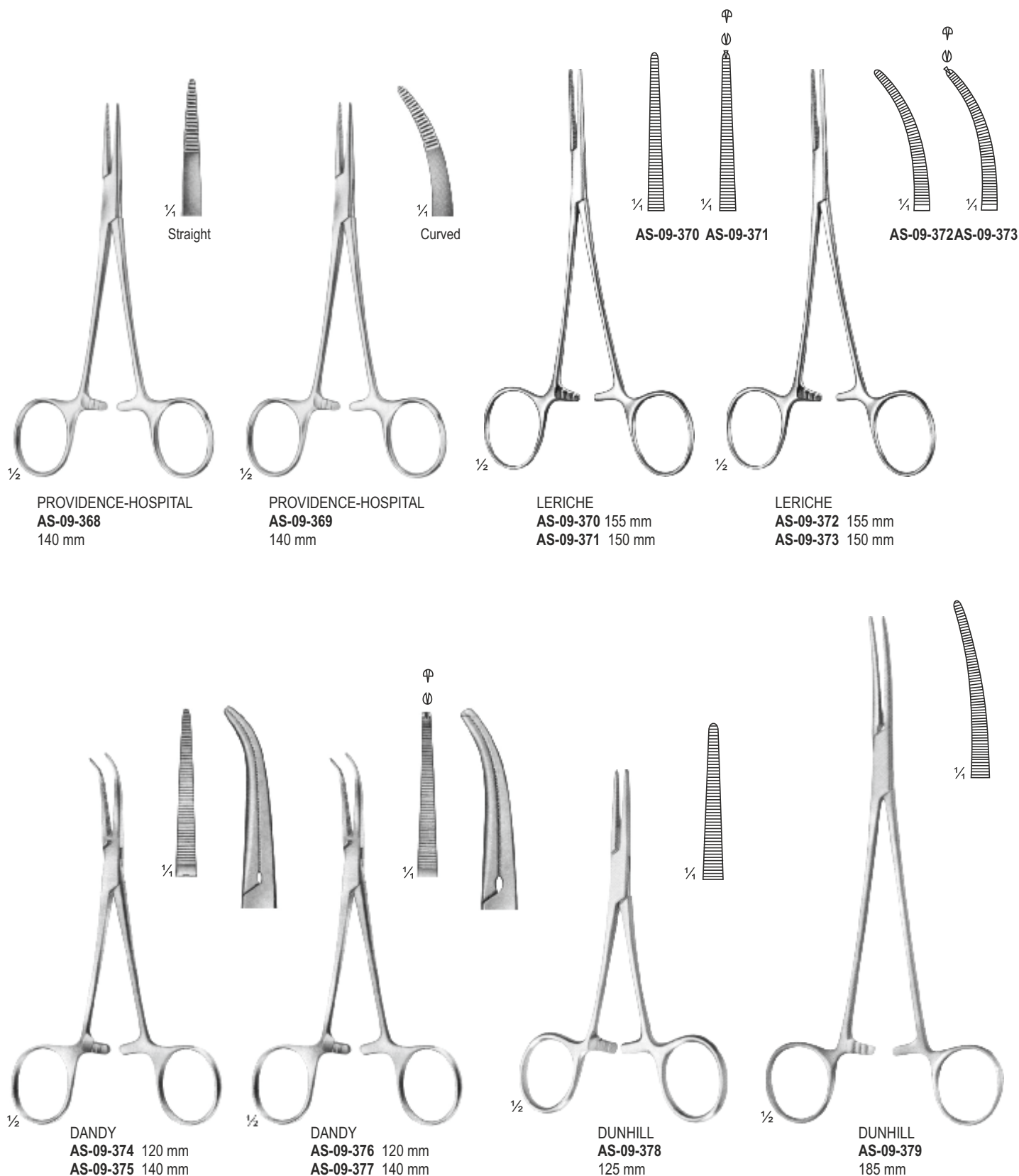


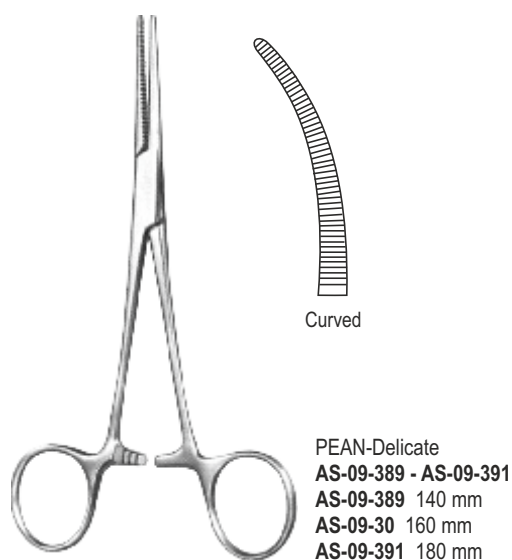
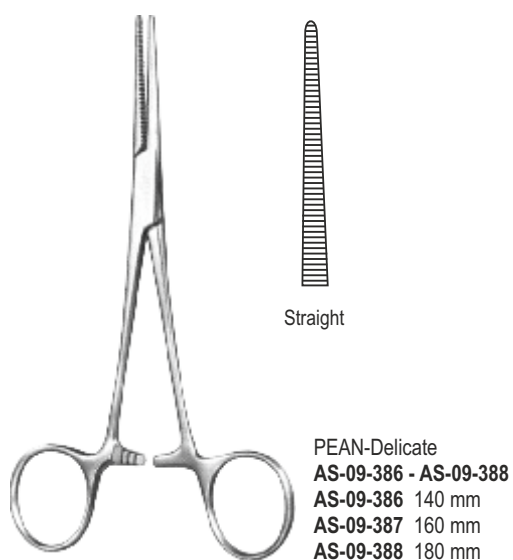
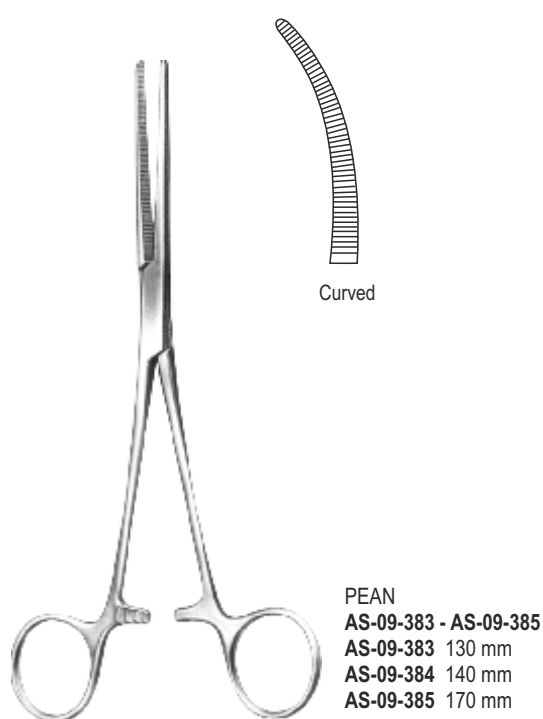
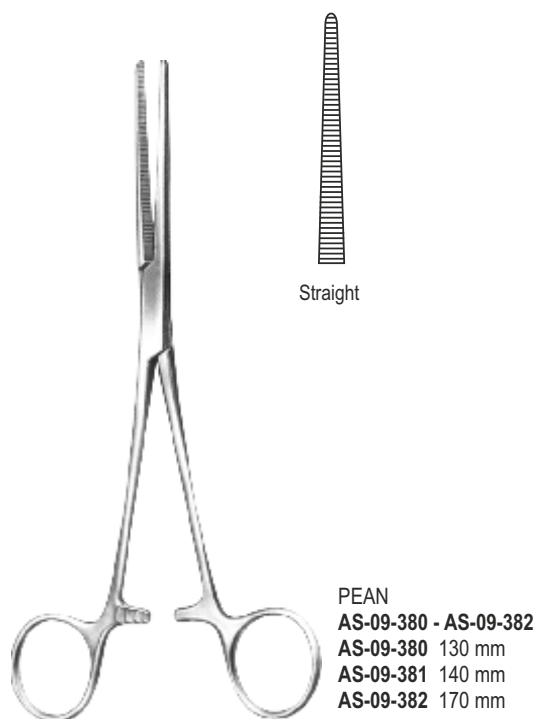
$\frac{1}{4}$ **AS-09-361** **AS-09-362** **AS-09-363**
255 mm 265 mm 275 mm

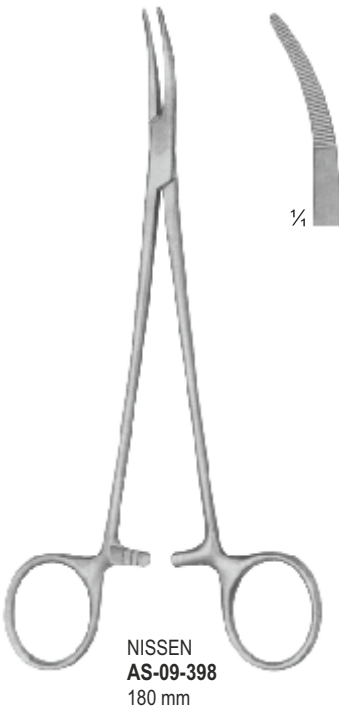
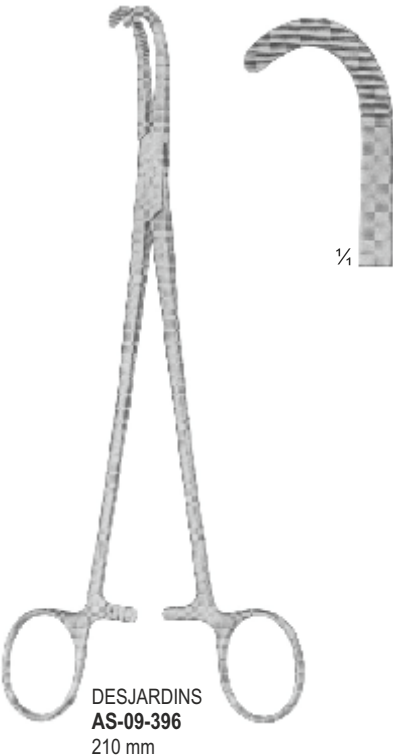
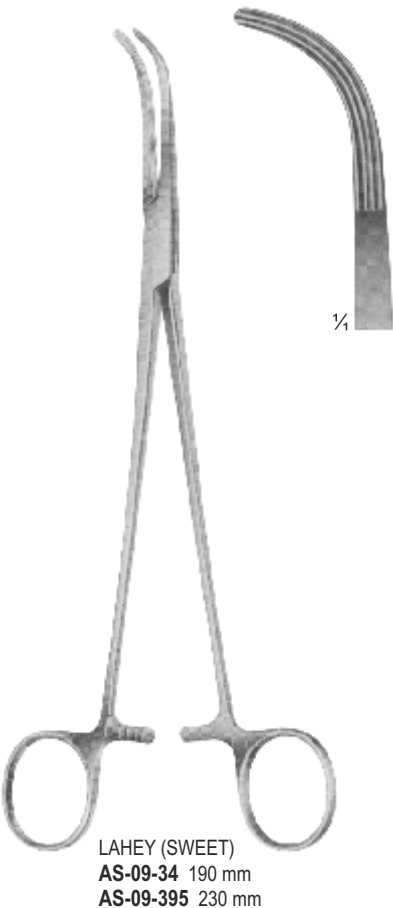
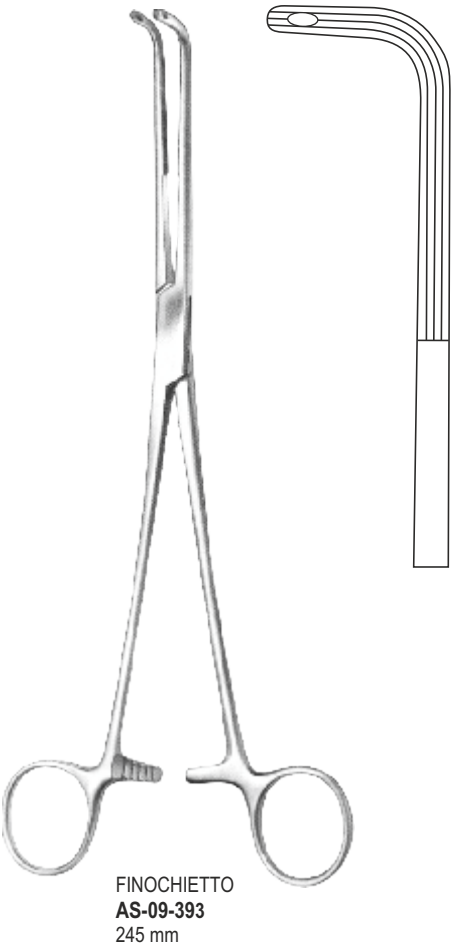
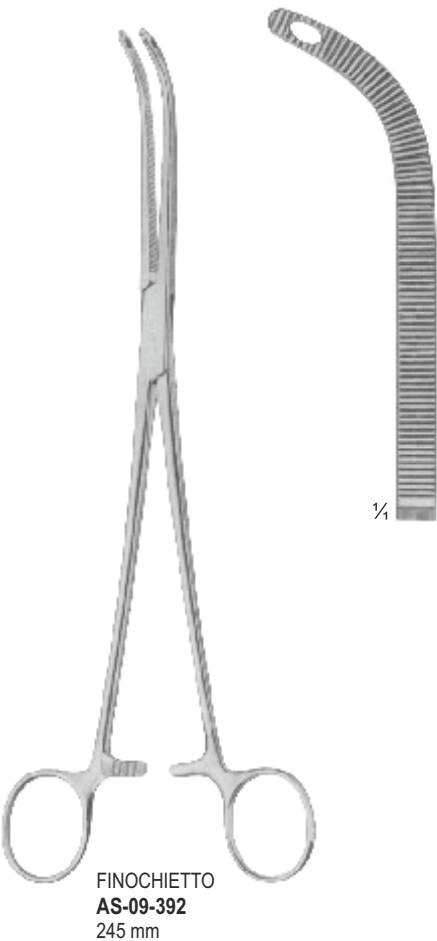


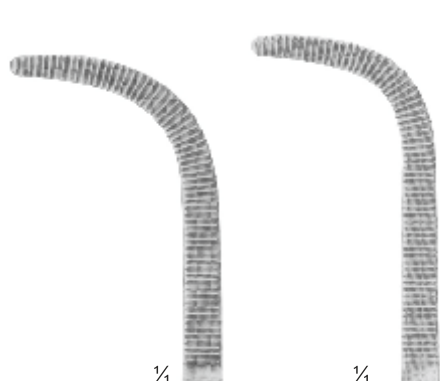
AS-09-366
60 mm





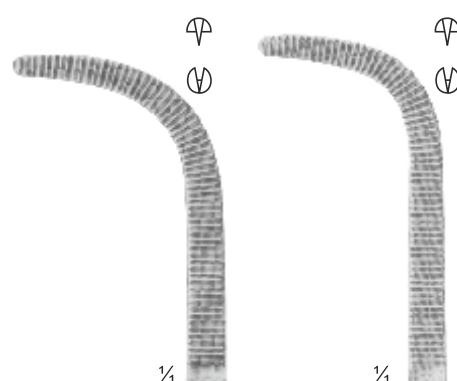






AS-09-399

AS-09-400



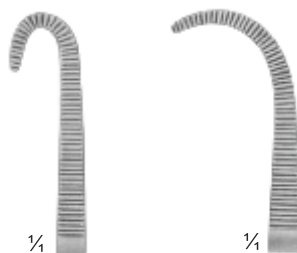
AS-09-401

AS-09-402



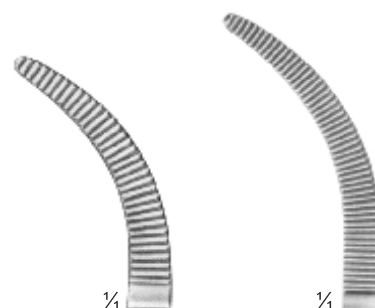
GRAY
AS-09-401 - AS-09-402
220 mm

GRAY
AS-09-399 - AS-09-300
220 mm



AS-09-403

AS-09-404



AS-09-405
230 mm

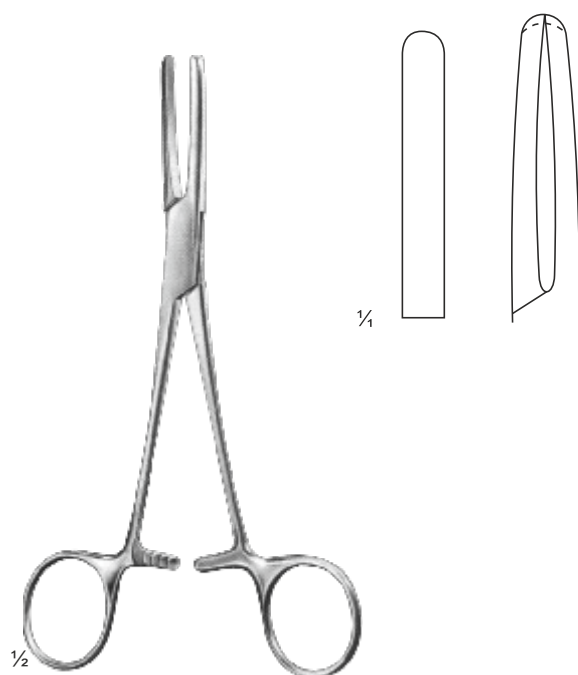
AS-09-406
240 mm



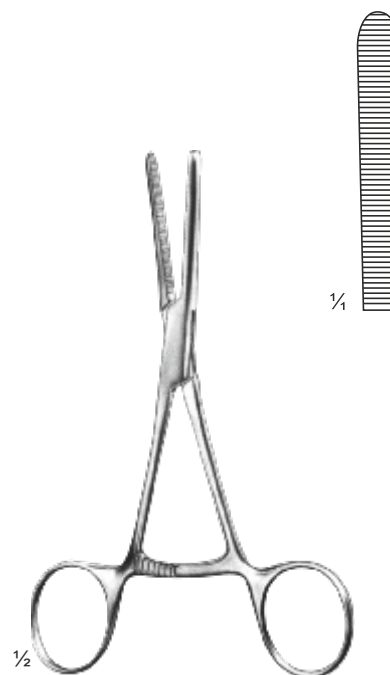
NEGUS
AS-09-403 - AS-09-404
190 mm



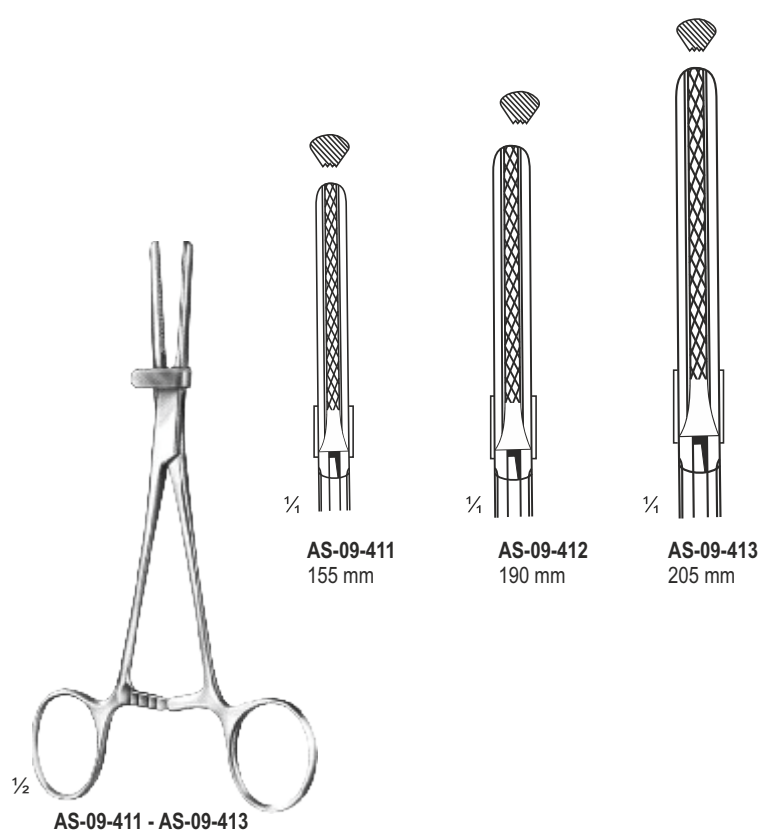
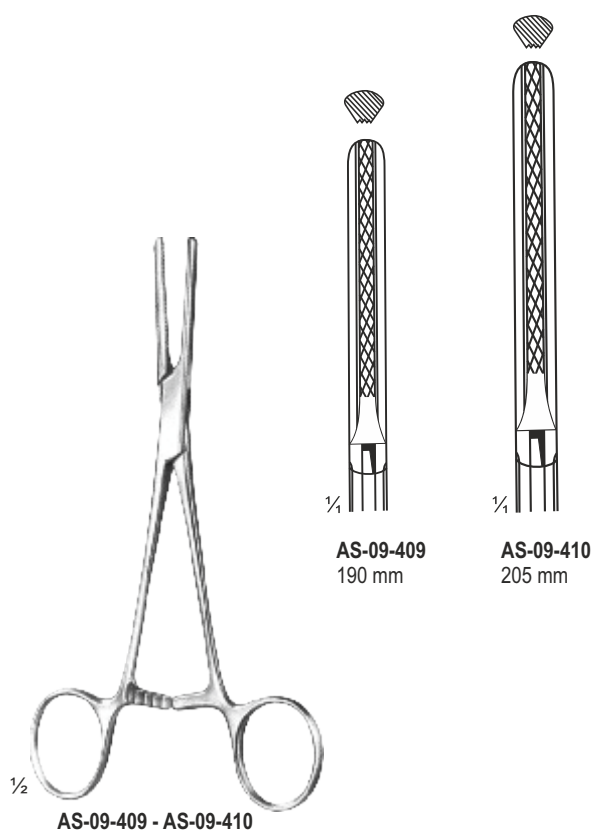
MOYNIHAN
AS-09-405 - AS-09-406



AS-09-407
16.5 cm



AS-09-408
14 cm



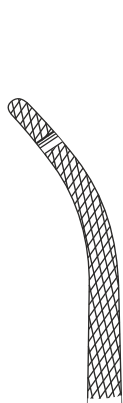


Fig. 1
AS-09-414
195 mm

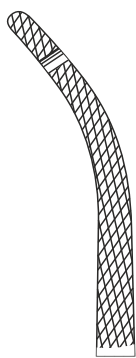


Fig. 1
AS-09-415
215 mm

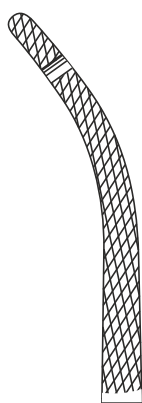


Fig. 1
AS-09-416
240 mm



Fig. 2
AS-09-417
195 mm



Fig. 2
AS-09-418
215 mm

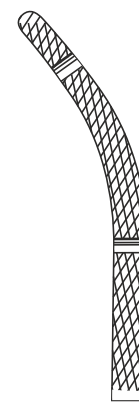
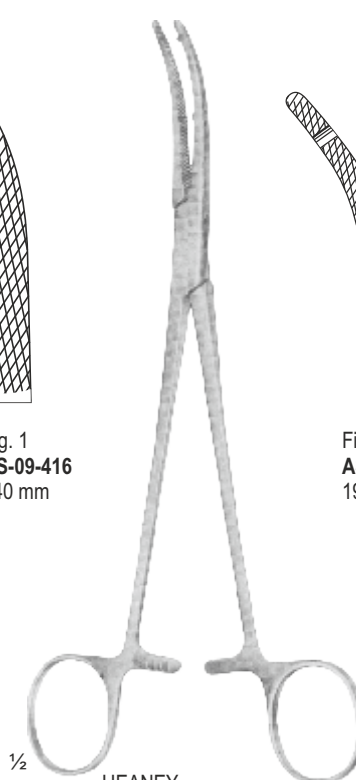


Fig. 2
AS-09-419
240 mm



$\frac{1}{2}$
HEANEY
AS-09-417 - AS-09-419

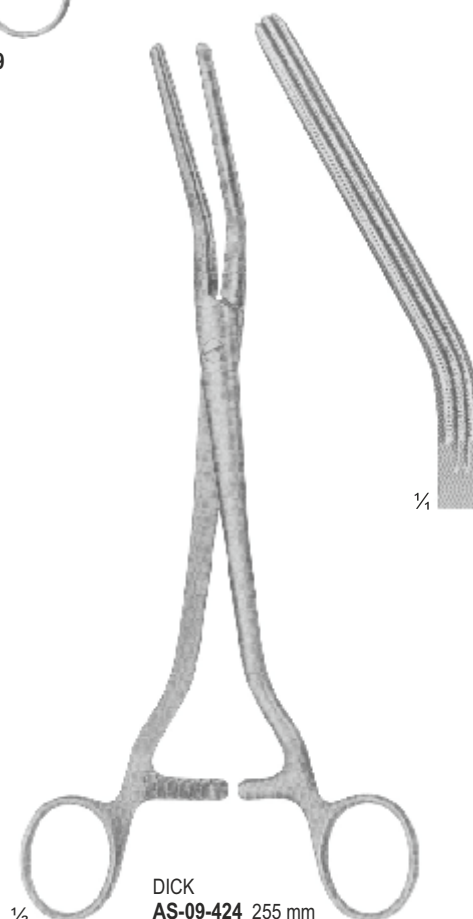
$\frac{1}{2}$
HEANEY
AS-09-414 - AS-09-416



$\frac{1}{2}$
PHANEUF
AS-09-420 210 mm
AS-09-421 200 mm



$\frac{1}{2}$
PHANEUF
AS-09-422 210 mm
AS-09-423 200 mm



$\frac{1}{2}$
DICK
AS-09-424 255 mm
AS-09-425 265 mm
AS-09-426 275 mm



Page
186–222

▪ ENT Surgery



¼

ZÖLLNER
AS-10-101 - AS-10-1006
set for adults, black



1:1

AS-10-101
Fig.1
5.5 X 6.5 mm Ø



1:1

AS-10-102
Fig.2
6.5 X 7.5 mm Ø



1:1

AS-10-103
Fig.3
7.5 X 8.5 mm Ø



1:1

AS-10-104
Fig.4
8.5 X 9.5 mm Ø



1:1

AS-10-105
Fig.5
9.5 X 10.5 mm Ø



1:1

AS-10-106
Fig.6
10.5 X 11.5 mm Ø



¼

POLITZER
AS-10-107 - AS-10-110
set for adults

○ 1:1

AS-10-107
Fig.1
2 mm Ø

○ 1:1

AS-10-108
Fig.2
3 mm Ø

○ 1:1

AS-10-109
Fig.3
4 mm Ø

○ 1:1

AS-10-110
Fig.4
5 mm Ø



¼

BOUCHERON
AS-10-111 - AS-10-113
set for children

○ 1:1

AS-10-111
Fig.0
3.0 mm Ø

○ 1:1

AS-10-112
Fig.1
4.5 mm Ø

○ 1:1

AS-10-113
Fig.2
5.5 mm Ø



¼

HARTMANN
AS-10-114 - AS-10-117
set for adults

○ 1:1

AS-10-114
Fig.1
4.5 mm Ø

○ 1:1

AS-10-115
Fig.2
5.5 mm Ø

○ 1:1

AS-10-116
Fig.3
6.5 mm Ø

○ 1:1

AS-10-117
Fig.4
7.5 mm Ø



BUCK
AS-10-118 - AS-10-133
Blunt
Sharp
165 mm - 6½"



AS-10-118
Fig.000



AS-10-119
Fig.00



AS-10-120
Fig.0



AS-10-121
Fig.1



AS-10-122
Fig.2



AS-10-123
Fig.3



AS-10-124
Fig.4



AS-10-125
Fig.5



AS-10-126
Fig.000



AS-10-127
Fig.00



AS-10-128
Fig.0



AS-10-129
Fig.1



AS-10-130
Fig.2



AS-10-131
Fig.3



AS-10-132
Fig.4



AS-10-133
Fig.5



BUCK
AS-10-134 - AS-10-149
Curved, blunt
Curved, sharp
165 mm - 6½"



AS-10-134
Fig.000



AS-10-135
Fig.00



AS-10-136
Fig.0



AS-10-137
Fig.1



AS-10-138
Fig.2



AS-10-139
Fig.3



AS-10-140
Fig.4



AS-10-141
Fig.5



AS-10-142
Fig.000



AS-10-143
Fig.00



AS-10-144
Fig.0



AS-10-145
Fig.1



AS-10-146
Fig.2



AS-10-147
Fig.3



AS-10-148
Fig.4



AS-10-149
Fig.5

Picture Show The Outer Diameter



LANGENBECK
AS-10-150
Blunt
130 mm - 5"



JANSEN
AS-10-151
Sharp
170 mm - 6 3/4"



GROSS
AS-10-152
Sharp, not fenestrated
120 mm - 4 3/4"



AS-10-153
Blunt, fenestrated
120 mm - 4 3/4"



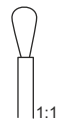
JANSEN
AS-10-154
Sharp
160 mm - 6 1/4"



BILLEAU
AS-10-155 - AS-10-157
165 mm - 6½"



AS-10-155



AS-10-156



AS-10-157



LUCAS
AS-10-158 - AS-10-160
140 mm - 5½"



AS-10-158



AS-10-159



AS-10-160



WAGNER
AS-10-161 - AS-10-167
140 mm - 5½"



AS-10-161



AS-10-162



AS-10-163



AS-10-164



AS-10-165



AS-10-166



AS-10-167



1:2



POLITZER
AS-10-168
150 mm - 6"



1:1

GERZOG
AS-10-169
160 mm - 6 1/4"



1:1

BUCK
AS-10-170
160 mm - 6 1/4"



1:2



LUCAE
AS-10-171
180 mm - 7"



1:2



LUCAE
AS-10-172
180 mm - 7"



1:2



LUCAE
AS-10-173
190 mm - 7 1/2"



1:2



POLITZER
AS-10-174
170 mm - 7 3/4"



1:2



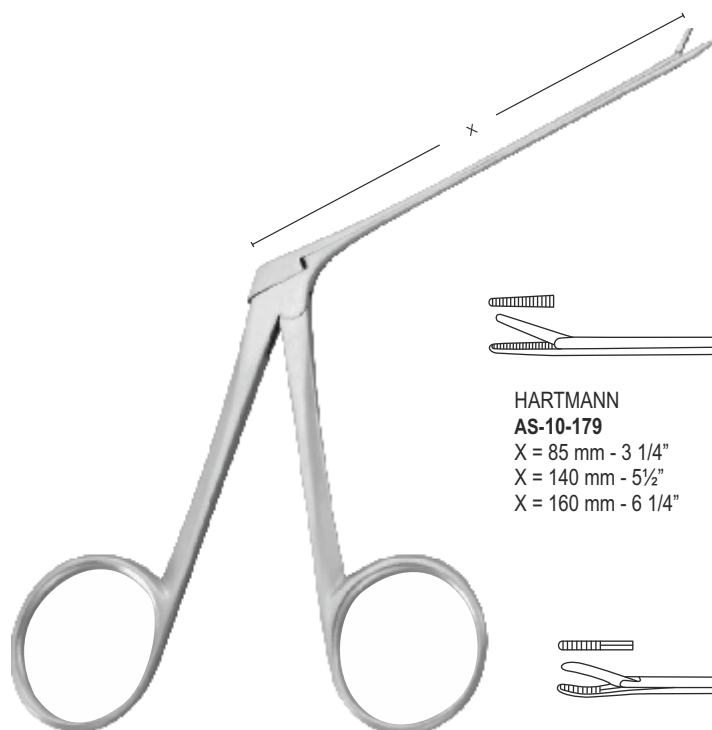
POLITZER
AS-10-175
needle vertical
160 mm - 6 1/4"



1:2



AS-10-176
Needle horizontal
160 mm - 6 1/4"



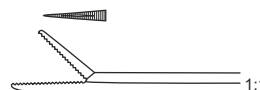
AS-10-177 - AS-10-184



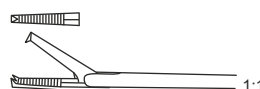
**HARTMANN
AS-10-179**
X = 85 mm - 3 1/4"
X = 140 mm - 5 1/2"
X = 160 mm - 6 1/4"



**HARTMANN - WEINGARTNER
AS-10-182**
X = 85 mm - 3 1/4"



**HARTMANN - WULLSTEIN
AS-10-177**
X = 85 mm - 3 1/4"



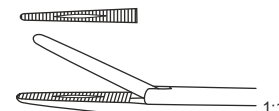
**HARTMANN
AS-10-180**
X = 85 mm - 3 1/4"
X = 140 mm - 5 1/2"



**HARTMANN
AS-10-183**
X = 85 mm - 3 1/4"
2.0 mm Ø
2.5 mm Ø
3.0 mm Ø



**HARTMANN - WULLSTEIN
AS-10-178**
X = 85 mm - 3 1/4" 1 mm Ø



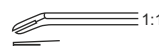
**HARTMANN - NOYES
AS-10-181**
X = 90 mm - 3 1/2"



**STRUEMPEL
AS-10-184**
X = 85 mm - 3 1/4"



**DIETER
AS-10-185 - AS-10-190**
malleus nipper
X = 80 mm - 3 1/4"



**MCGEE
AS-10-185**
wire bending forceps
3.5 mm X 0.8 mm



AS-10-187
Up - cutting



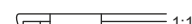
AS-10-189
Right - cutting



**FULLER
AS-10-186**
introducing forceps
for teflon prosthesis
80 mm - 3 1/4"



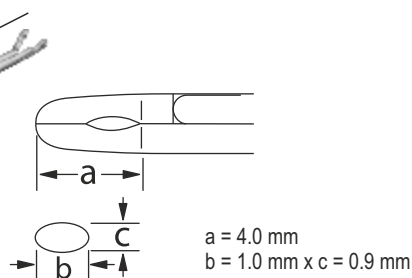
AS-10-188
Down - cutting



AS-10-190
Left - cutting



AS-10-191 - AS-10-195



AS-10-191
Straight, oval
X = 75 mm - 3"



AS-10-192
Curved upwards, oval
X = 75 mm - 3"



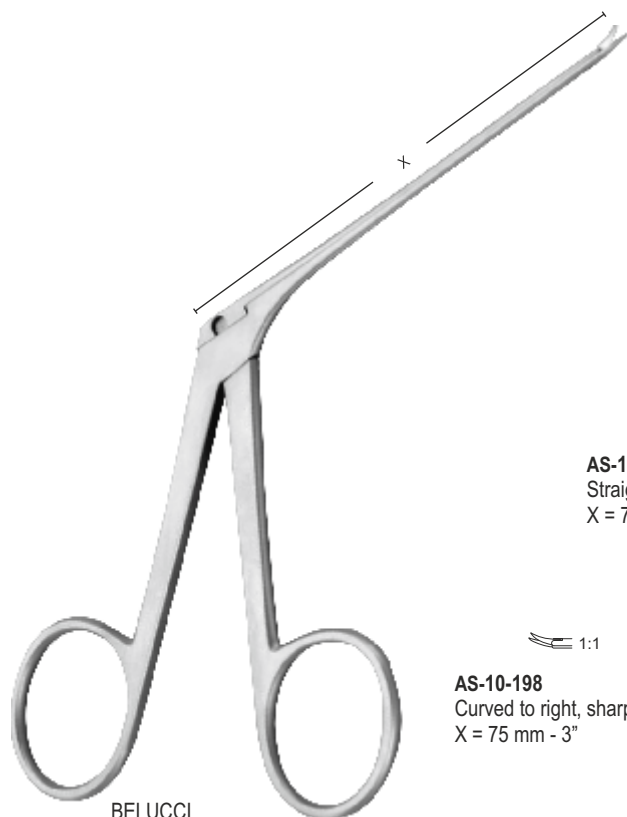
AS-10-193
Curved to left, oval
X = 75 mm - 3"



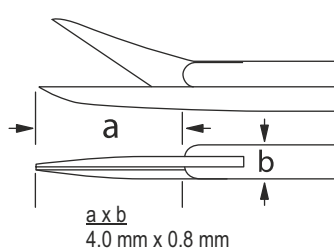
AS-10-194
Curved to right, oval
X = 75 mm - 3"



AS-10-195
Curved downwards, oval
X = 75 mm - 3"



BELUCCI
AS-10-196 - AS-10-200



AS-10-196
Straight, sharp/sharp
X = 75 mm - 3"



AS-10-197
Curved upwards, blunt/blunt
X = 75 mm - 3"



AS-10-198
Curved to right, sharp/sharp
X = 75 mm - 3"



AS-10-199
Curved to left, sharp/sharp
X = 75 mm - 3"



AS-10-200
straight, sharp/blunt
X = 75 mm - 3"

MICRO EAR RASPATORIES AND PROBES

EAR SICKLEKNIVES - CURRCULAR CUTTING KNIFE



PLESTER
AS-10-201 - AS-10-206
160 mm - 6 1/4"



WIRE GUIDE
AS-10-201



RASPATORY
AS-10-202



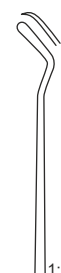
RASPATORY
AS-10-203
1.8 mm



AS-10-204
Dissector, double
curved right



AS-10-205
Instrument for placing
wire prothesis



AS-10-206
Dissector, double
curved left



ROSEN
AS-10-207 - AS-10-213
160 mm - 6 1/4"



AS-10-207
Circular cutting knife
1.5 mm $\varnothing$ 90°



AS-10-208
Tympanum knife
45°



AS-10-209
Lancet knife
45°



AS-10-210
Lancet knife



RASPATORY
AS-10-211
Zollner
1 mm



AS-10-212
Sickle knife,
slightly curved



AS-10-213
discision knife,
straight curved



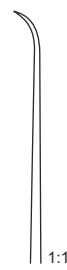
AS-10-214 - AS-10-219



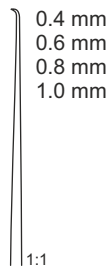
AS-10-214
Needle fine, straight, sharp
160 mm - 6 1/4"



AS-10-215
Needle, slightly curved, sharp
160 mm - 6 1/4"



AS-10-216
Needle, strong curved, sharp
160 mm - 6 1/4"



SHAMBAUGH
AS-10-217
45° Hook, angled
160 mm - 6 1/4"



PLESTER
AS-10-218
0.4 mm - 90°
foot plate hook, angled, blunt
160 mm - 6 1/4"



PLESTER
AS-10-219
0.4 mm - 45°
Antrum hook, angled, blunt
160 mm - 6 1/4"



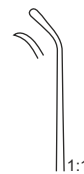
AS-10-220 - AS-10-223



FISCH
AS-10-220
Angled to the right
155 mm - 6"



AS-10-221
Angled to the left
155 mm - 6"



AS-10-222
Angled to the right
155 mm - 6"



AS-10-223
Angled to the left
155 mm - 6"



HOUSE
AS-10-224
spoon, strong curved
spoon, slightly curves
170 mm - 6 3/4"



SHEA
AS-10-225
straight
160 mm - 6 1/4"
1.5 mm X 2.5 mm



SHEA
AS-10-226
curved
160 mm - 6 1/4"
1.5 mm X 2.5 mm



1:2

CITELLI
AS-10-227 - AS-10-229
X = 60 mm
170 mm - 6 3/4"



AS-10-227
1.5 mm



AS-10-228
2.2 mm



AS-10-229
3.0 mm



1:2

AS-10-230 - AS-10-233
200 mm - 8"
X = 80 mm



AS-10-230
3 X 3 mm



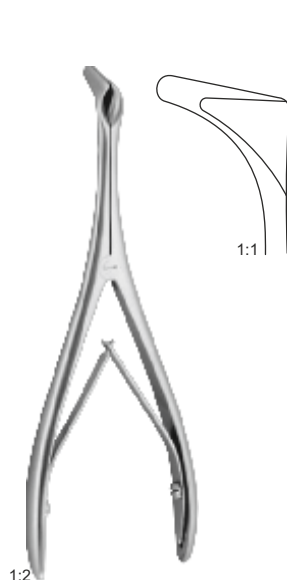
AS-10-231
4 X 4 mm



AS-10-232
5 X 5 mm



AS-10-233
6 X 6 mm



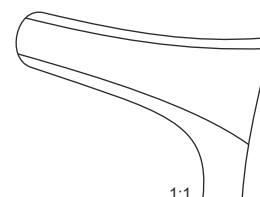
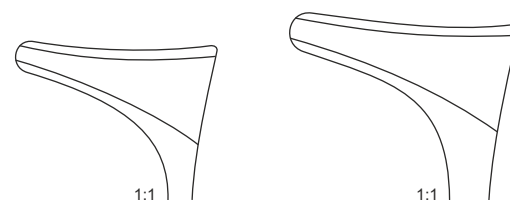
TIECK - HALLE
AS-10-234
for babies
135 mm - 5 1/4"



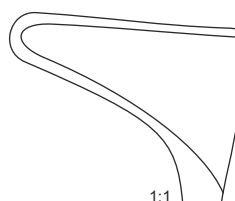
BECKMANN
AS-10-235
150 mm - 6"



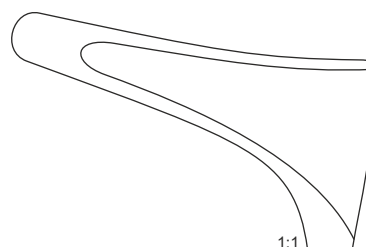
MOD. WIEN
AS-10-236
145 mm - 5 3/4"



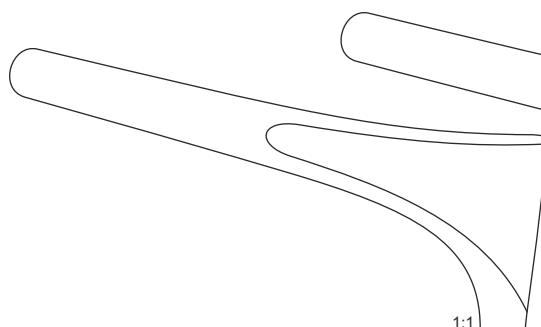
AS-10-237 - AS-10-240
KILLIAN
130 mm - 5"



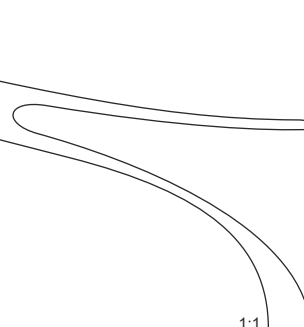
AS-10-237
X = 35 mm



AS-10-238
X = 50 mm



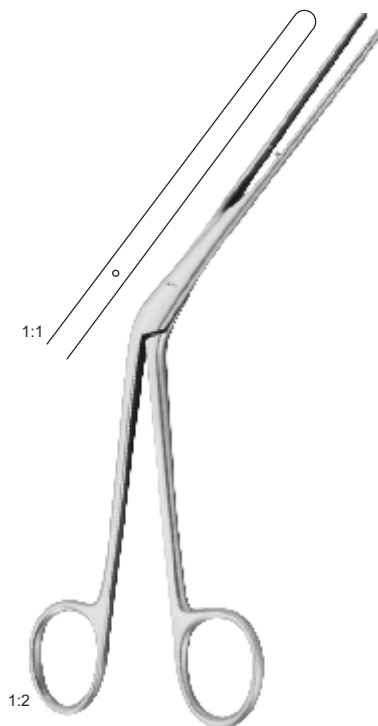
AS-10-239
X = 75 mm



AS-10-240
X = 90 mm



WESTMACOTT
AS-10-241
200 mm - 8"

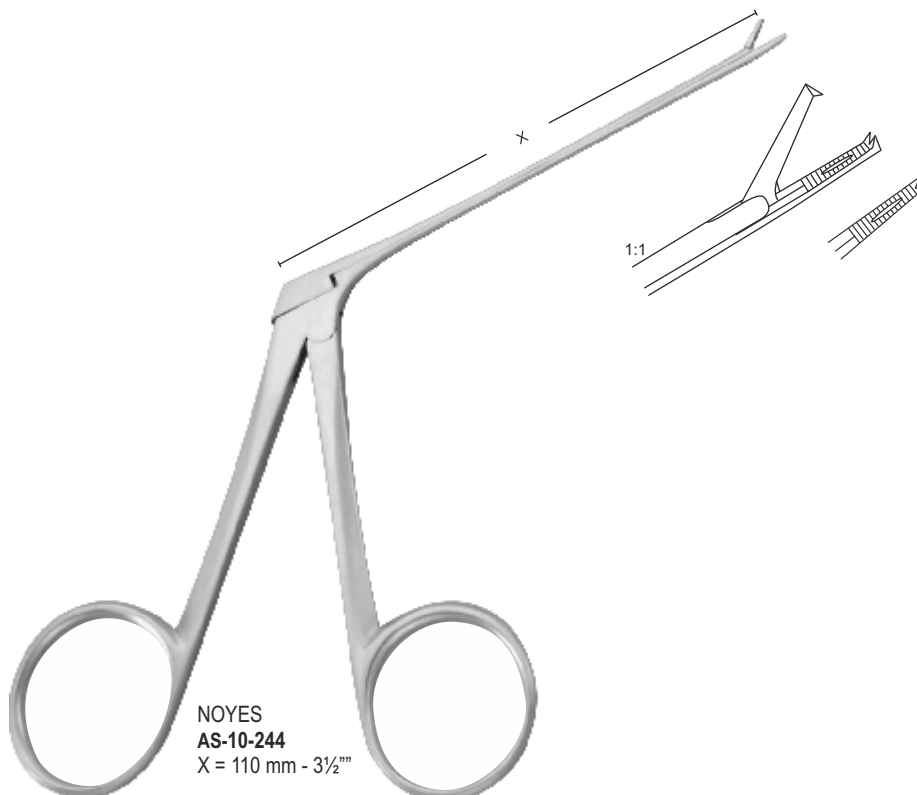


LUBET - BARBON
AS-10-242
200 mm - 8"

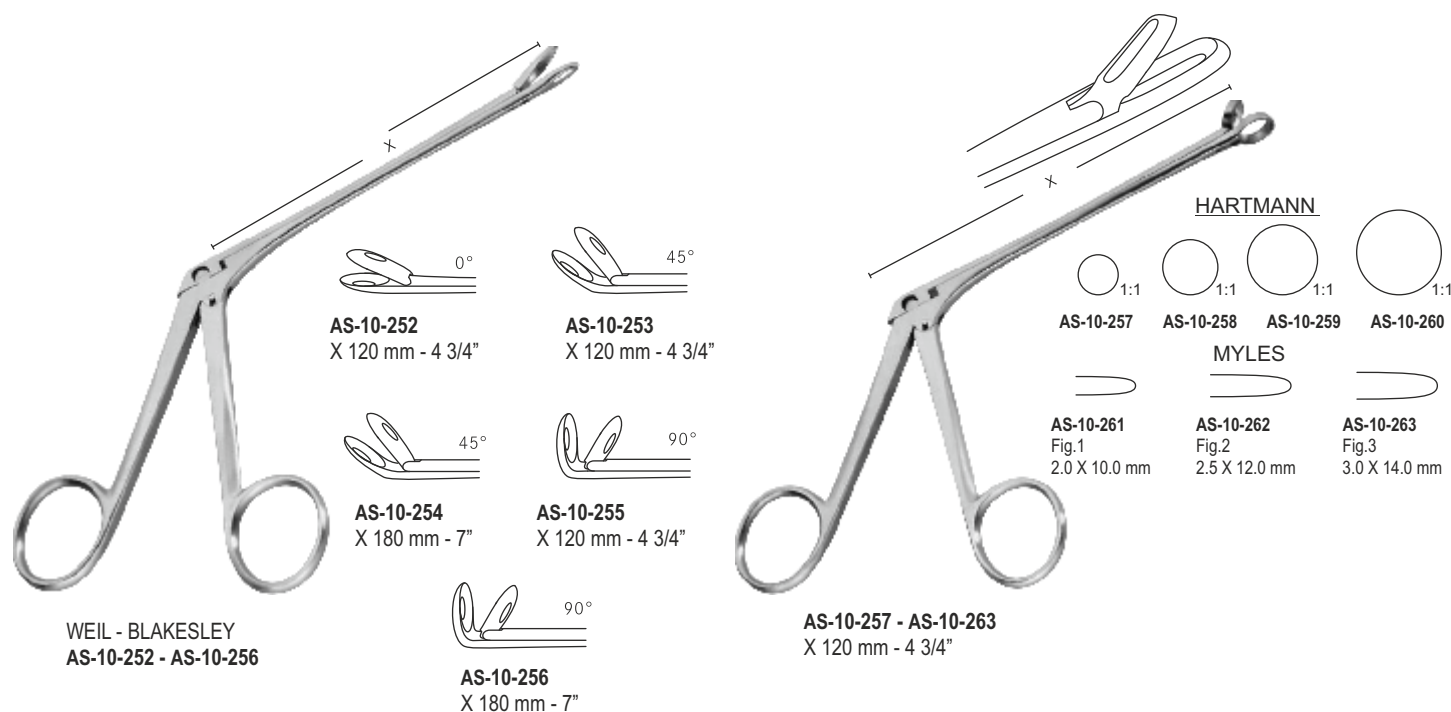
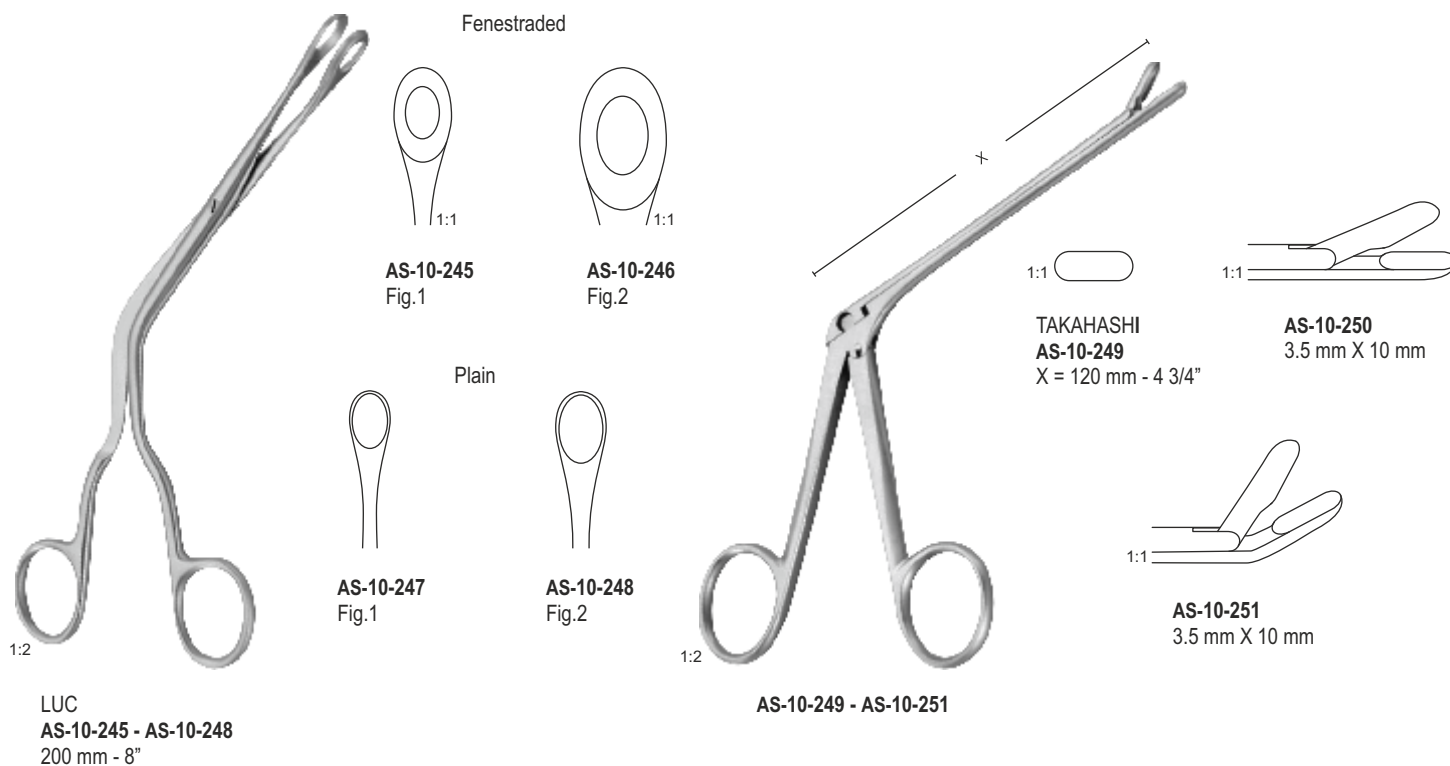


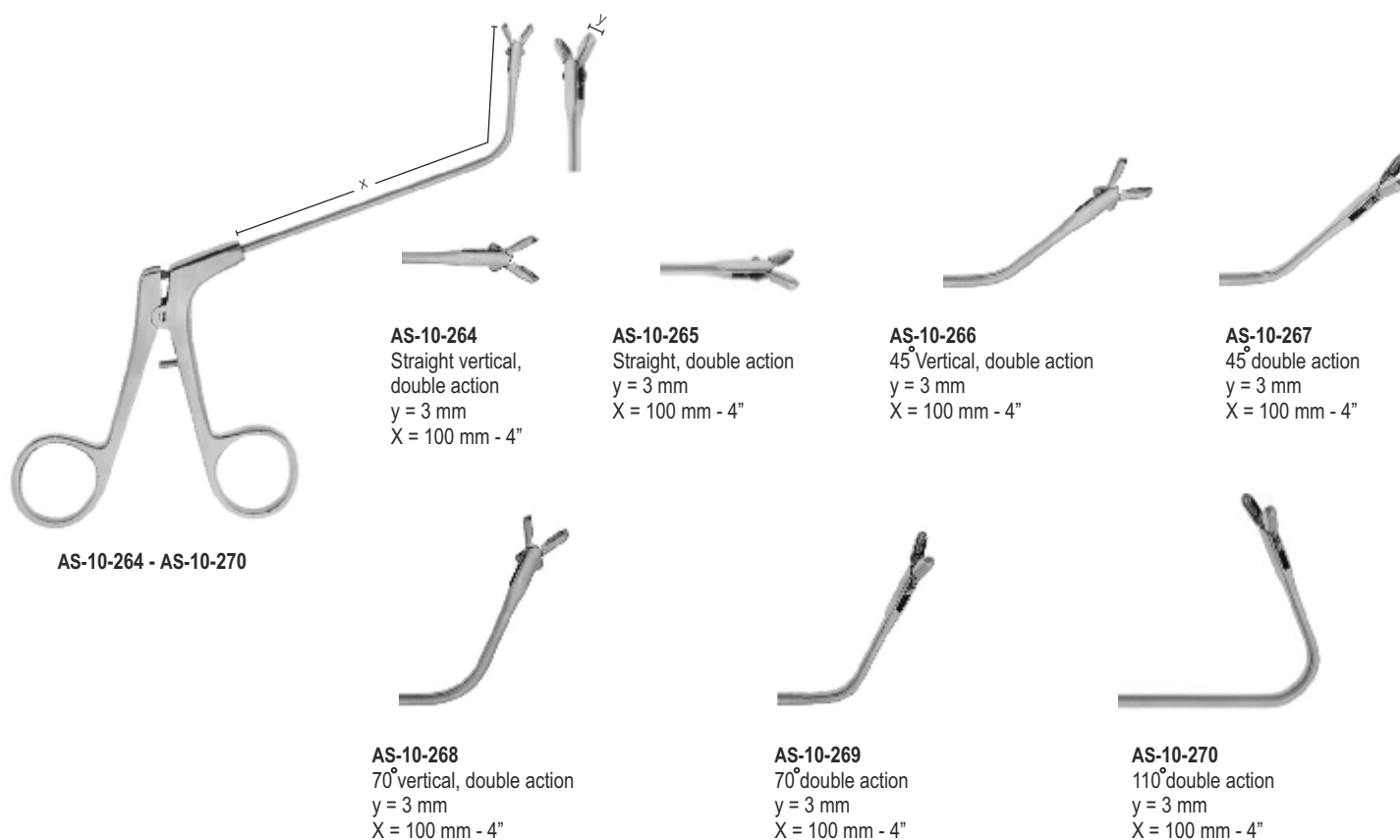
HARTMANN
AS-10-243
160 mm - 6 1/4"
200 mm - 8"

NASAL DRESSING FORCEPS

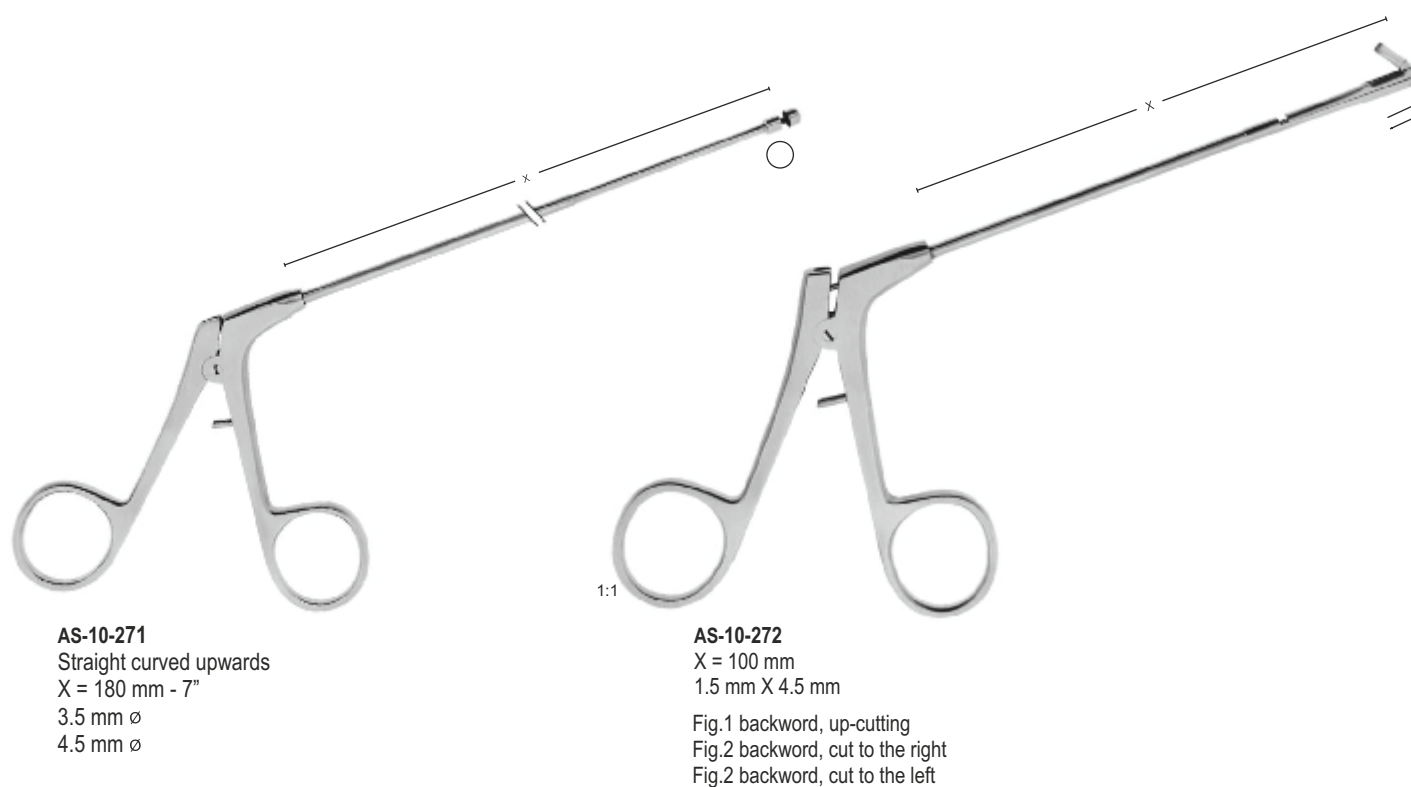


NOYES
AS-10-244
X = 110 mm - 3 1/2"





CIRCULAR FORCEPS AND ANTRUM PUNCH





1:2
FREER
AS-10-273
210 mm - 8 1/4"



1:2
FREER
AS-10-274
210 mm - 8 1/4"



1:2
SICKLE KNIFE
AS-10-275
200 mm - 8"



1:2
BRUNINGS
AS-10-276
230 mm - 9"



1:2
ABRAHAM
AS-10-277
220 mm - 8 3/4"



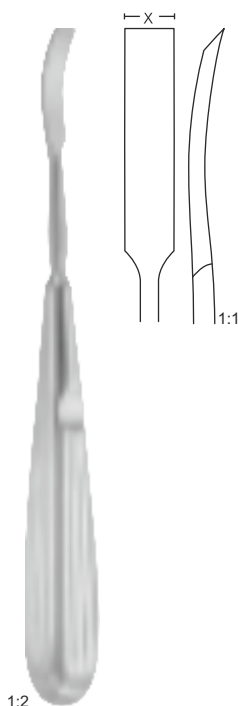
1:2
FISCHER
AS-10-278
230 mm - 9"



1:2
SHARP
AS-10-279
200 mm - 8"



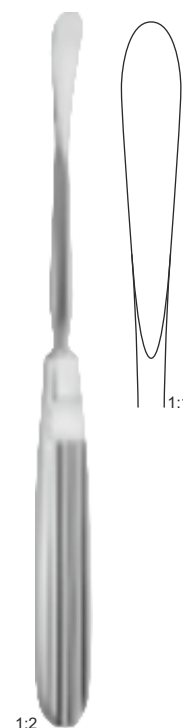
LEMPERT
AS-10-280
200 mm - 8"
X = 6 mm



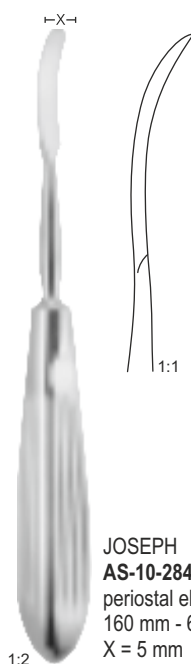
LEMPERT
AS-10-281
180 mm - 7"



FREER
AS-10-282
160 mm - 6 1/4"
X = 4 mm



COTTLE
AS-10-283
sharp
190 mm - 7 1/2"
X = 8 mm



JOSEPH
AS-10-284
periosteal elevators
160 mm - 6 1/4"
X = 5 mm



SEWALL
AS-10-285
antrum elevators
200 mm - 8"



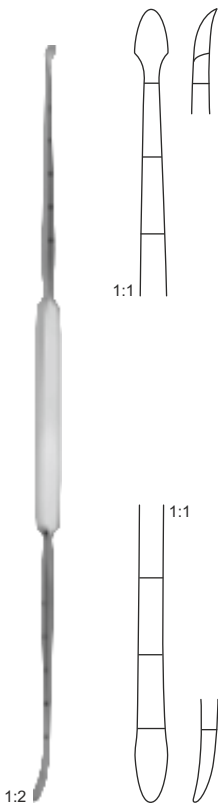
HALLE
AS-10-286
antrum elevators
160 mm - 6 1/4"



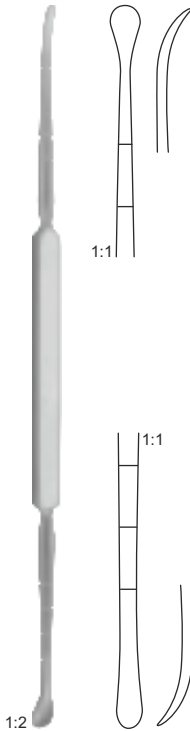
MASING
AS-10-287
200 mm - 8"



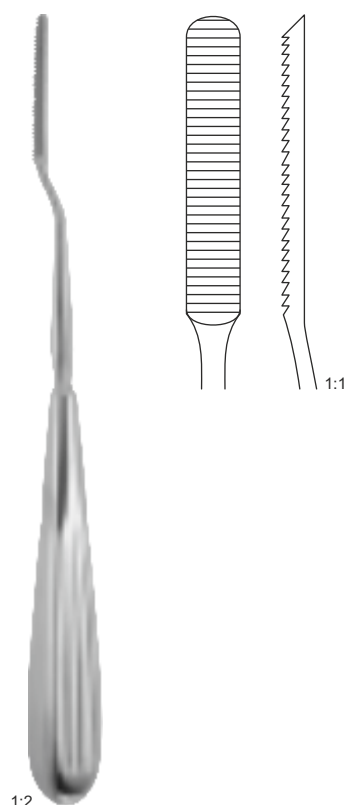
BALLENGER - HAJEK
AS-10-288
190 mm - 7 1/4"
220 mm - 8 3/4"



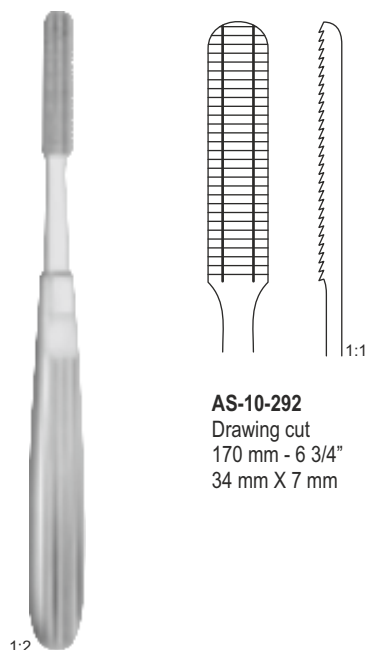
COTTLE
AS-10-289
220 mm - 8 3/4"



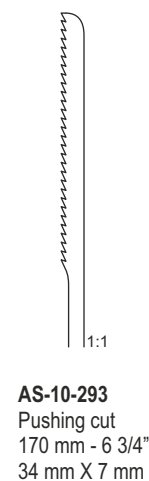
COTTLE
AS-10-290
210 mm - 8 1/4"



COTTLE
AS-10-291
210 mm - 8 1/4"

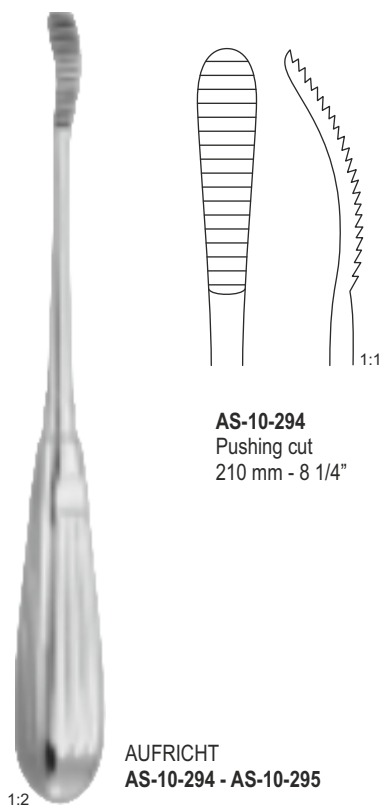


AS-10-292
Drawing cut
170 mm - 6 3/4"
34 mm X 7 mm

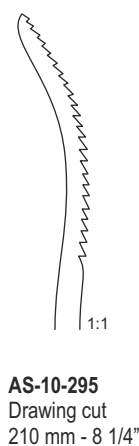


AS-10-293
Pushing cut
170 mm - 6 3/4"
34 mm X 7 mm

MALTZ
AS-10-292 - AS-10-293



AS-10-294
Pushing cut
210 mm - 8 1/4"

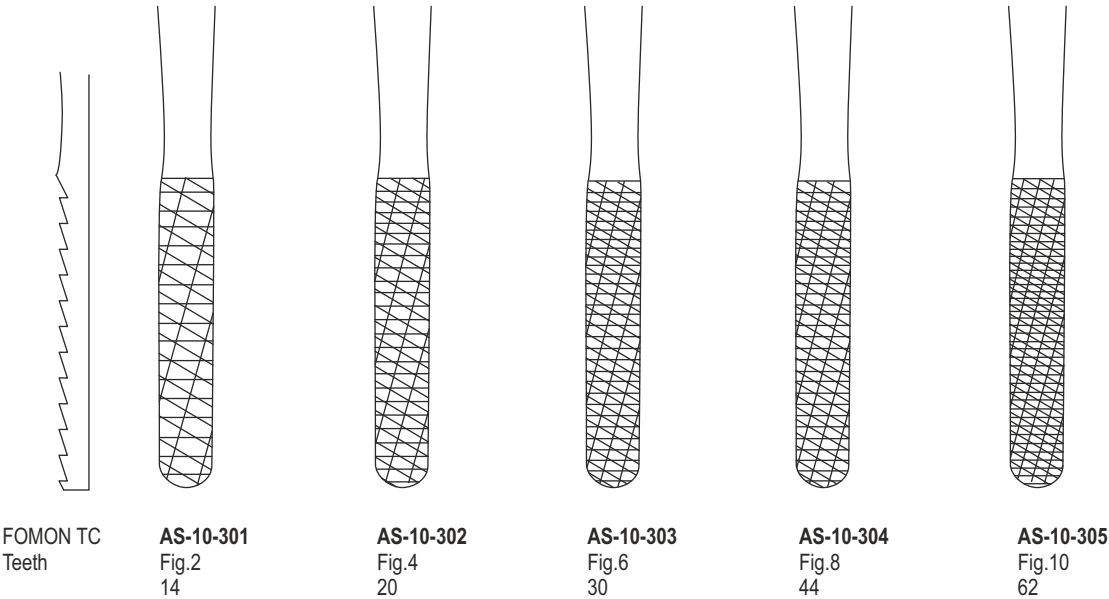
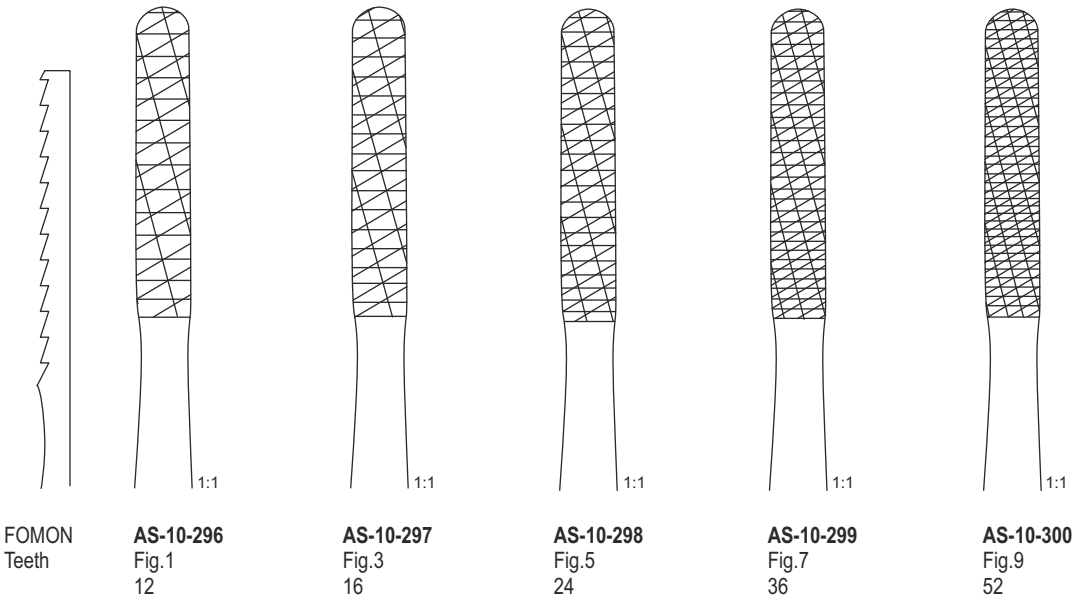


AS-10-295
Drawing cut
210 mm - 8 1/4"

AUFRICHT
AS-10-294 - AS-10-295

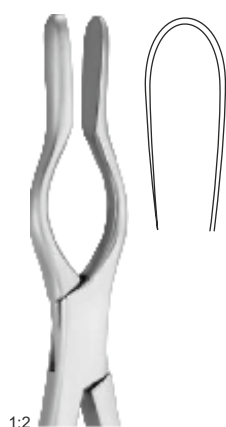


AS-10-296 - 205
200 mm - 8"

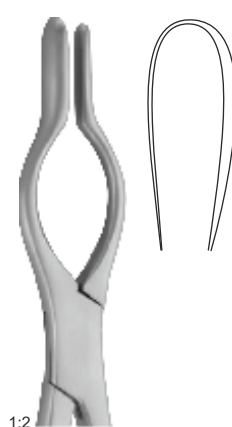




AS-10-306 - AS-10-308



AS-10-306
Straight



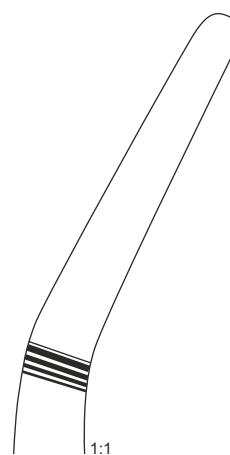
AS-10-307
Left

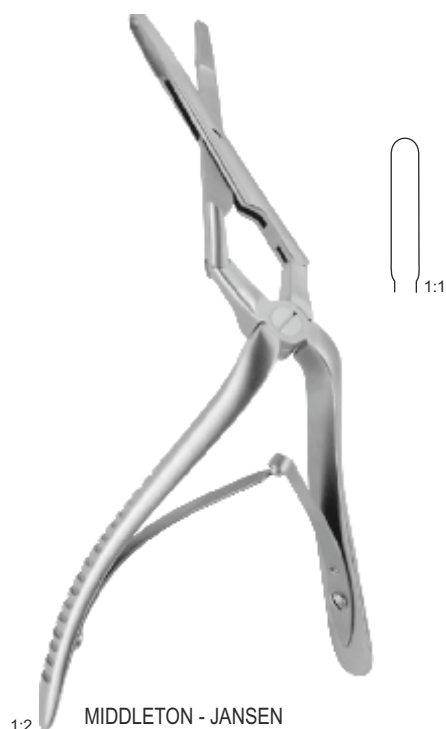


AS-10-308
Right

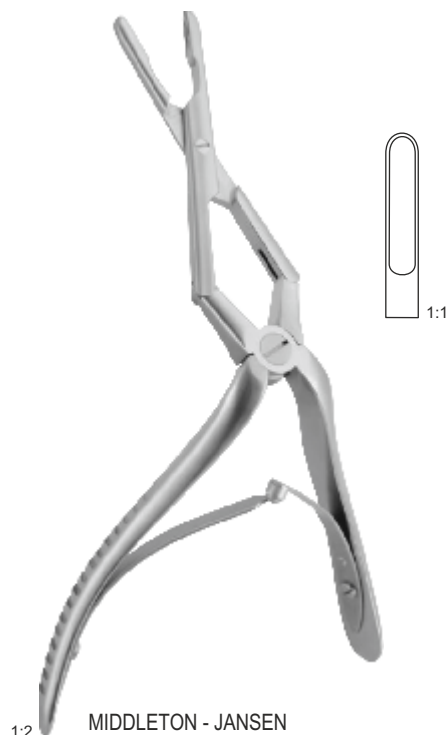


1:2
ASCH
AS-10-309
230 mm - 9"

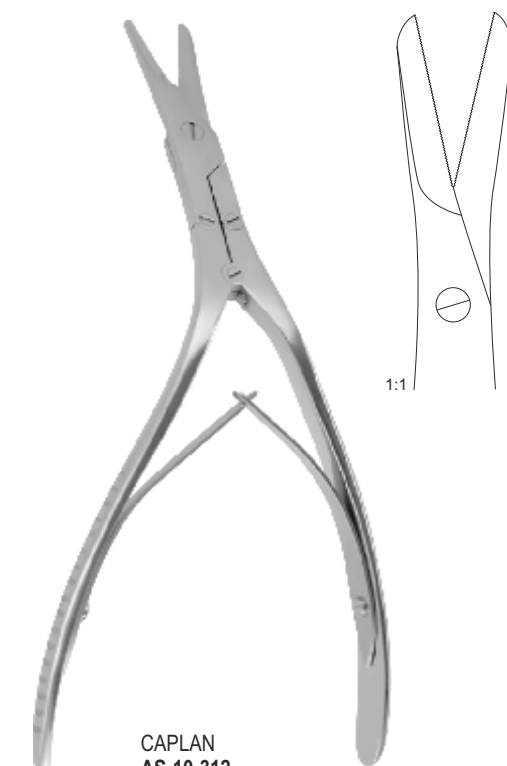




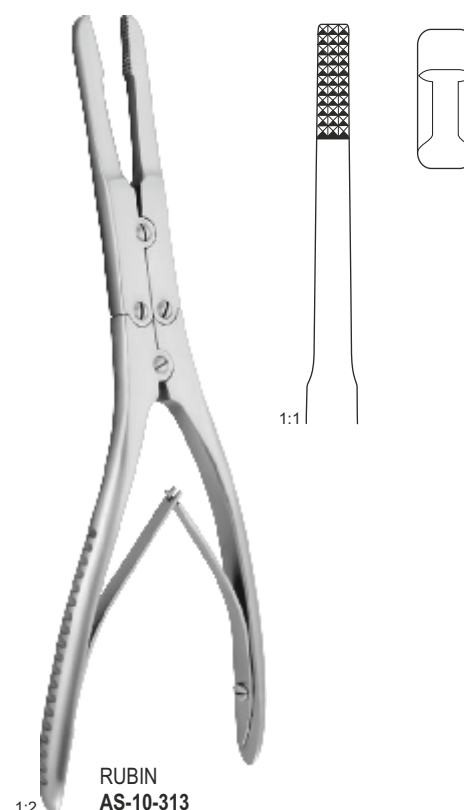
MIDDLETON - JANSEN
AS-10-310
190 mm - 7½"



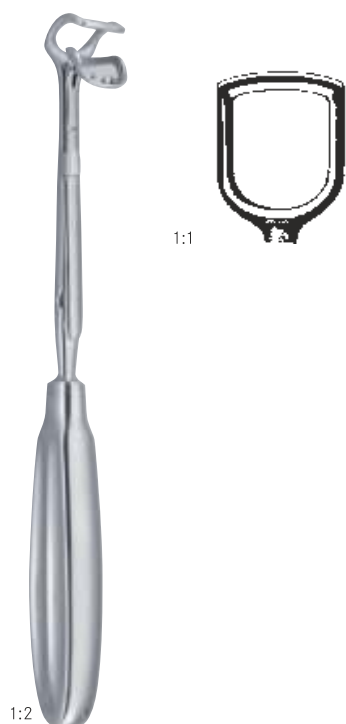
MIDDLETON - JANSEN
AS-10-311
190mm - 7½"



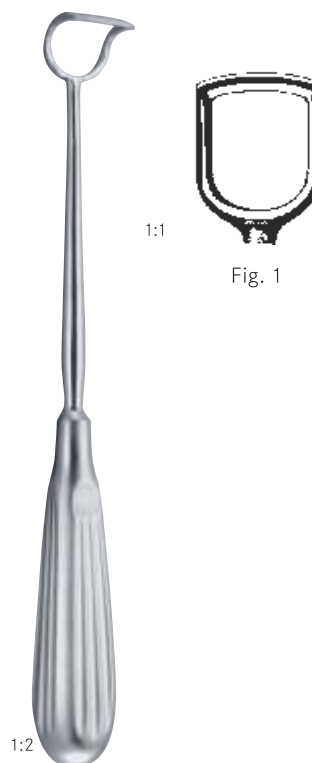
CAPLAN
AS-10-312
toothed
200 mm - 8"



RUBIN
AS-10-313
protection cap
210 mm - 8 1/4"



ST. CLAIR-THOMSON
AS-10-314
210 mm - 8 1/4"



BARNHILL
AS-10-315
220 mm - 8 3/4"



BECKMANN
AS-10-316
Straight Curved
220 mm - 8 3/4"



BALLENGER
AS-10-317
straight bayonet
220 mm - 8"



1:2

MOLT
AS-10-318
for children
110 mm - 4 1/4"



1:2

MOLT
AS-10-319
for adults
140 mm - 5 1/2"



1:2

DENHART
AS-10-320
120 mm - 4 3/4"



1:2

FERGUSON - ACKLAND
AS-10-321
145 mm - 5 3/4"



ROSER - KÖNIG
AS-10-322
160 mm - 6 1/4"
190 mm - 7 1/2"



AS-10-323 - AS-10-333

AS-10-33	Fig. 00	8 mm	Ø
AS-10-324	Fig. 0	10 mm	Ø
AS-10-325	Fig. 1	12 mm	Ø
AS-10-326	Fig. 2	14 mm	Ø
AS-10-327	Fig. 3	16 mm	Ø
AS-10-328	Fig. 4	18 mm	Ø
AS-10-329	Fig. 5	20 mm	Ø
AS-10-330	Fig. 6	22 mm	Ø
AS-10-331	Fig. 7	24 mm	Ø
AS-10-332	Fig. 8	26 mm	Ø
AS-10-333	Fig. 9	28 mm	Ø
AS-10-333	Fig. 10	30 mm	Ø



AS-10-334
100 mm - 4"



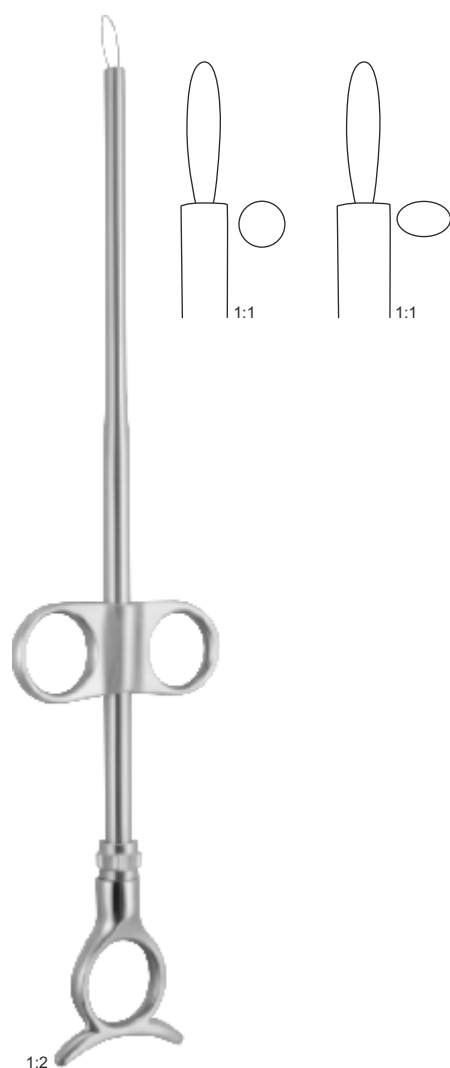
AS-10-335 - AS-10-346

AS-10-335	Fig. 00	8 mm	Ø
AS-10-336	Fig. 0	10 mm	Ø
AS-10-337	Fig. 1	12 mm	Ø
AS-10-338	Fig. 2	14 mm	Ø
AS-10-339	Fig. 3	16 mm	Ø
AS-10-340	Fig. 4	18 mm	Ø
AS-10-341	Fig. 5	20 mm	Ø
AS-10-342	Fig. 6	22 mm	Ø
AS-10-343	Fig. 7	24 mm	Ø
AS-10-344	Fig. 8	26 mm	Ø
AS-10-345	Fig. 9	28 mm	Ø
AS-10-346	Fig. 10	30 mm	Ø



AS-10-347	10 mm	Ø
AS-10-348	12 mm	Ø
AS-10-349	14 mm	Ø
AS-10-350	16 mm	Ø
AS-10-351	18 mm	Ø

MICHEL
AS-10-347 - AS-10-351
moveable mirror
250 mm - 9 3/4"



EVES
AS-10-352
280 mm - 11"



EVES
AS-10-353
280 mm - 11"



BRUENINGS
AS-10-354
280 mm - 11"



AS-10-355
10 mm - 3/32"
0.3 mm Ø
0.4 mm Ø



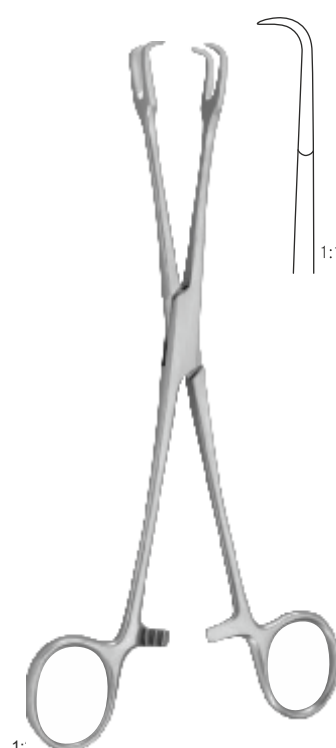
AS-10-356
Package of 100 pieces
40 mm
50 mm



1:2
COLVER
AS-10-357
straight curved
190 mm - 7½"



1:2
WHITE
AS-10-358
180 mm - 7"
230 mm - 9"

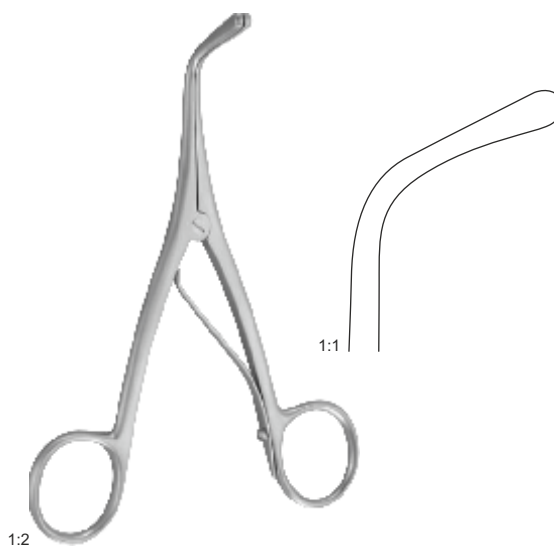


1:1
MUSEUX
AS-10-359
tonsil holding forceps
200 mm - 8"

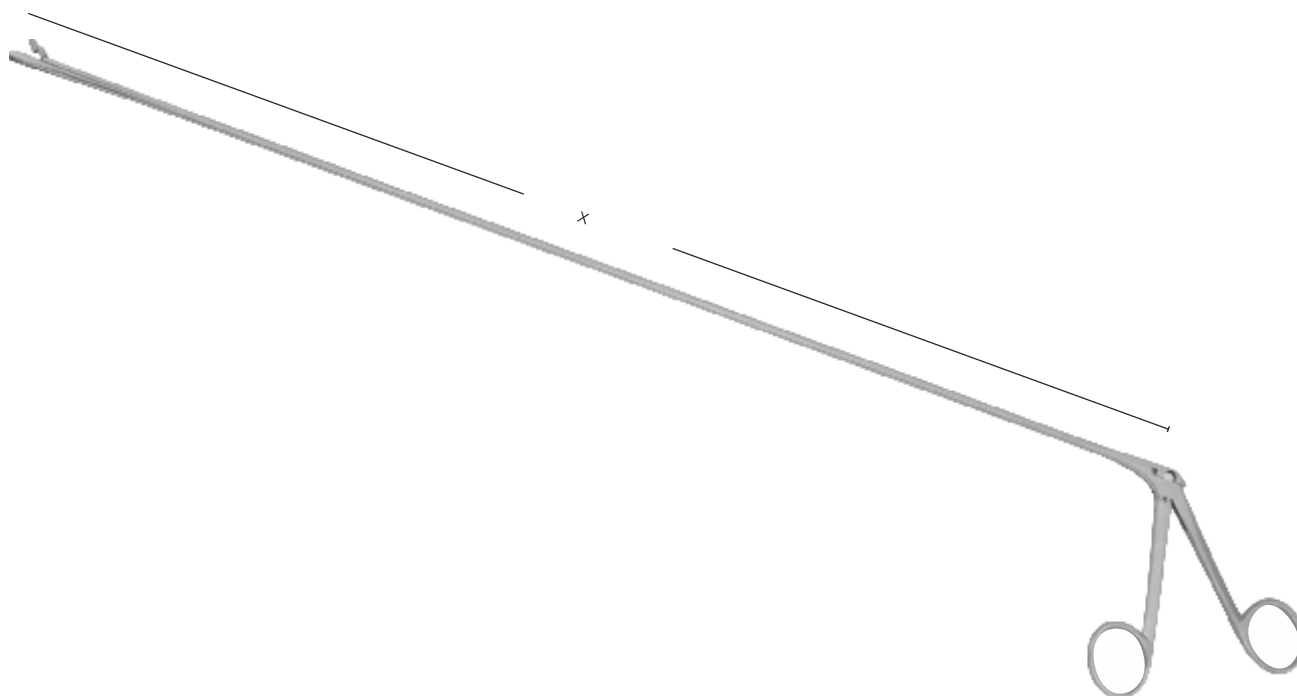
TRACHEA DILATOR



1:2
JACKSON
AS-10-360
laryngeal forceps
220 mm - 8½"



1:2
TROUSSEAU
AS-10-361
140 mm - 5½"



AS-10-362



AS-10-363



AS-10-364



AS-10-365

CHEVALIER - JACKSON
AS-10-32 - AS-10-368
X = 300 mm - 12"
X = 400 mm - 16"
X = 500 mm - 20"
X = 600 mm - 23½"



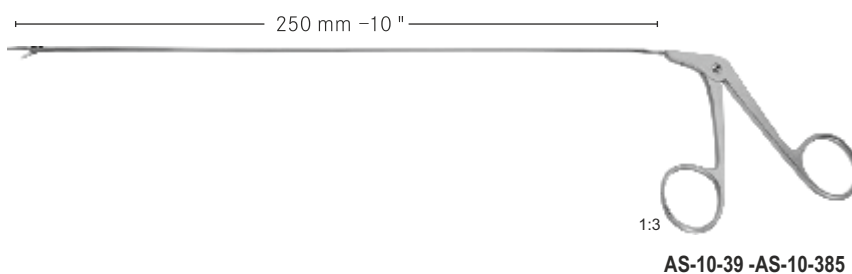
AS-10-366



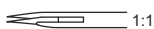
AS-10-367



AS-10-368



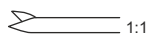
AS-10-369
Straight



AS-10-370
Straight horizontal



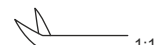
AS-10-371
Angled up horizontal



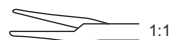
AS-10-372
Curved right



AS-10-373
Curved left



AS-10-374
Angled up



AS-10-375
Straight, serrated



AS-10-376
Straight horizontal



AS-10-377
Angled up horizontal



AS-10-378
Curved right



AS-10-379
Curved left



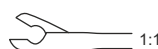
AS-10-380
Straight



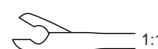
AS-10-381
Angled up
02.5 mm



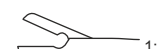
AS-10-382
Angled up horizontal



AS-10-383
Curved right



AS-10-384
Curved left



AS-10-385
Oval
03.5 mm



DAVIS-BOYLE
AS-10-386 - AS-10-388
complete, consisting of frame
and 5 tongue depressors no. 1-5

AS-10-386
Frame for Mouth Gag

AS-10-387
14.5 cm
Frame for Mouth Gag with joint

AS-10-388
14.5 cm
Silicone inlay



Fig. 1
AS-10-389 - AS-10-392
110 X 28 mm



Fig. 2
AS-10-389
95 X 27 mm



Fig. 3
AS-10-390
80 X 27 mm



Fig. 4
AS-10-391
65 X 26 mm



Fig. 5
AS-10-392
without suction tube
30 X 20 mm



NEUKAM
AS-10-393 - 297
complete, with frame
and 3 tongue depressors

NEUKAM
AS-10-393
Frame for Mouth Gag, only

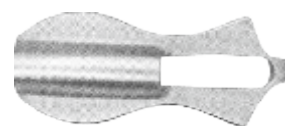


KILNER-DOUGHTY
AS-10-38 - AS-10-304
complete, with frame, 3 tongue depressors,
2 toothplates and 1 palate plate



AS-10-399
Palate plate

KILNER-DOUGHTY
AS-10-400
14.5 cm
Frame for Mouth Gag



AS-10-394
Tongue Depressor
fenestrated blade for suction



Fig. 1
AS-10-395

Fig. 2
AS-10-396

Fig. 3
AS-10-397



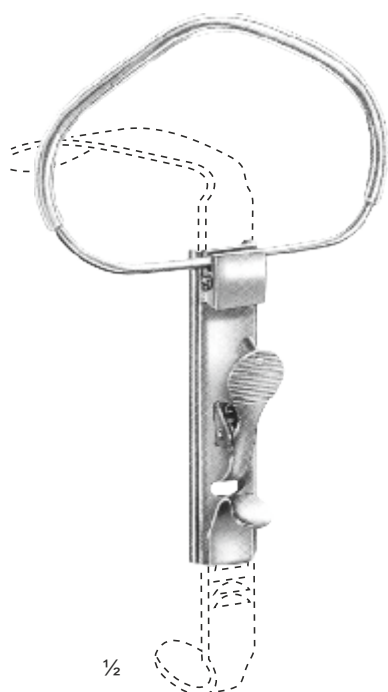
KILNER-DOUGHTY
AS-10-401
Tongue Depressor
fenestrated blade for suction

1/2

Fig. 1
AS-10-402
68 X 30 mm

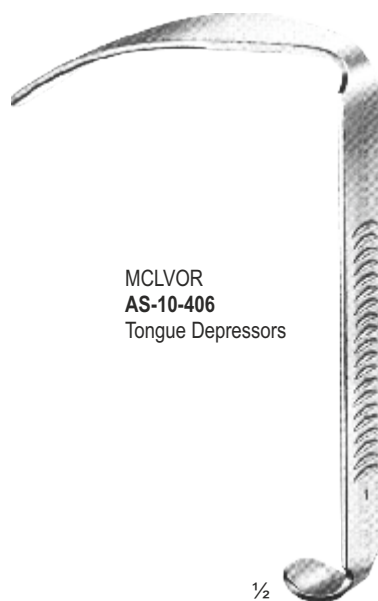
Fig. 2
AS-10-403
77 X 34 mm

Fig. 3
AS-10-404
82 X 39 mm



MCLVOR
AS-10-405 - 309
complete, with 3 tongue depressors

MCLVOR
AS-10-405
Frame for Mouth Gag

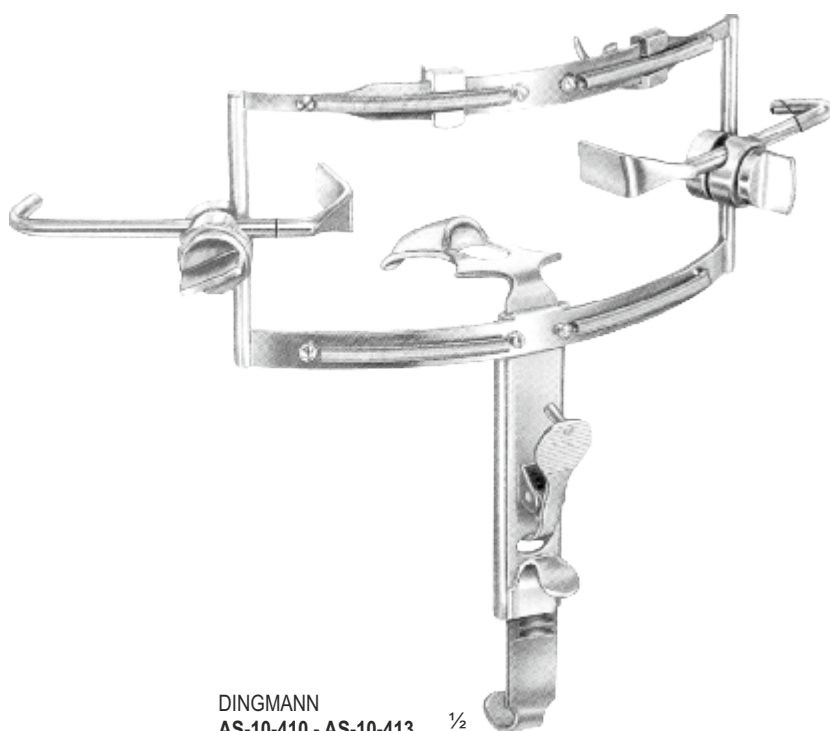


MCLVOR
AS-10-406
Tongue Depressors

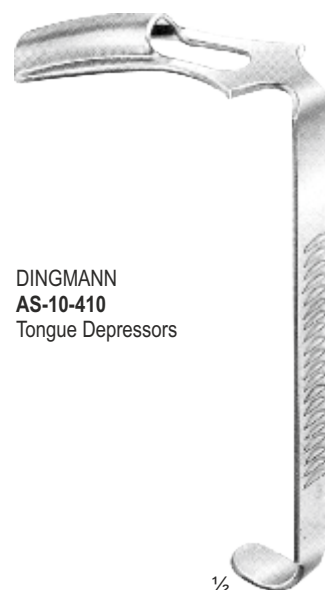
Fig. 1
AS-10-407
100 X 25 mm

Fig. 2
AS-10-408
85 X 25 mm

Fig. 3
AS-10-409
75 X 25 mm



DINGMANN
AS-10-410 - AS-10-413 1/2
complete, with frame, 3 tongue depressors,
and 2 adjustable lateral blades



DINGMANN
AS-10-410
Tongue Depressors

Fig. 1
AS-10-4 11
62 X 26 mm

Fig. 2
AS-10-412
65 X 30 mm

Fig. 3
AS-10-413
78 X 32 mm



AS-10-414
Fig.1
20 mm X 70 mm



AS-10-415
Fig.2
30 mm X 80 mm



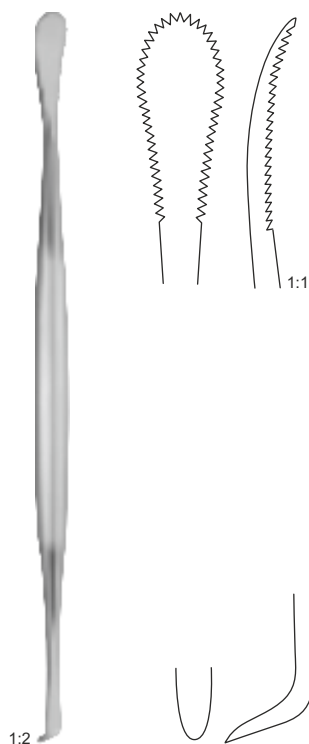
AS-10-416
Fig.3
33 mm X 95 mm



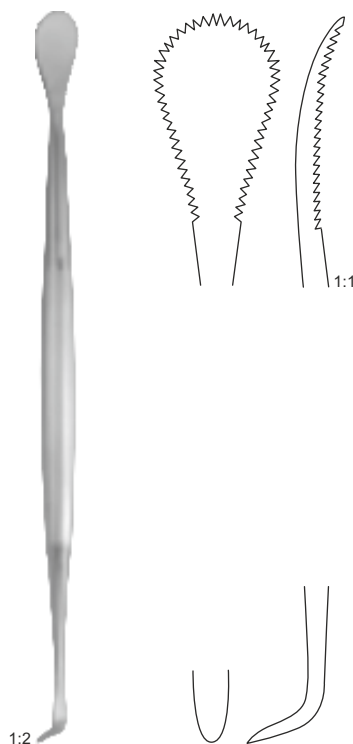
AS-10-417
Handle

NEGUS
AS-10-414 - AS-10-417
complete
handle

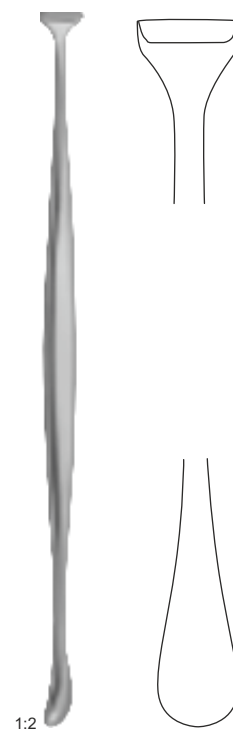
TONSIL INSTRUMENTS



HENKE
AS-10-418
tonsil dissector
230 mm - 9"



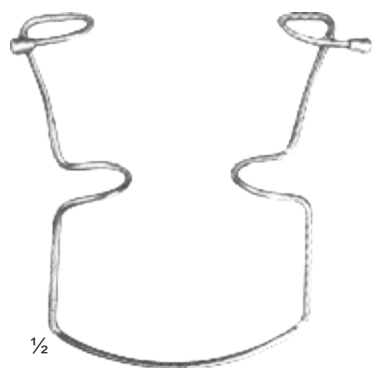
HENKE
AS-10-419
tonsil dissector
230 mm - 9"



HURD
AS-10-420
tonsil dissector
225 mm - 8 3/4"



JENNINGS
AS-10-421 - AS-10-424
AS-10-421 10.5 cm
AS-10-422 12.5 cm
AS-10-423 14.5 cm
AS-10-424 16.5 cm



ORINGER
AS-10-425 - AS-10-427
 9.5 cm
 self retaining, for children

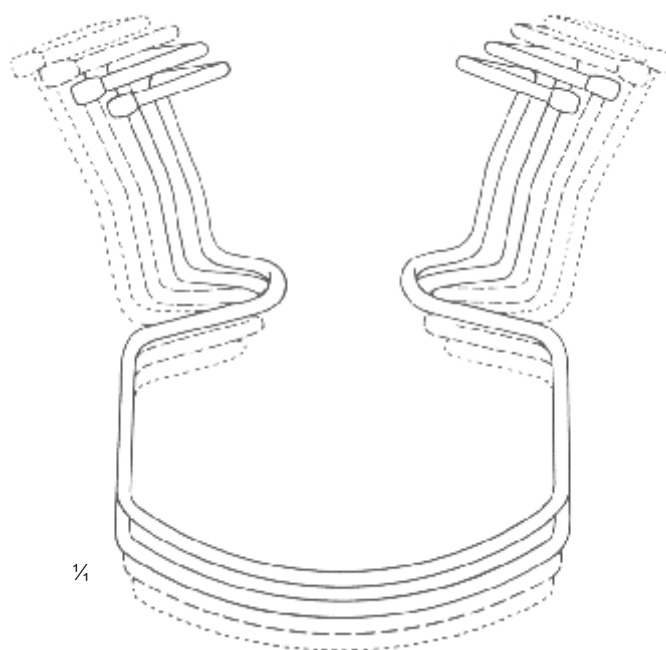
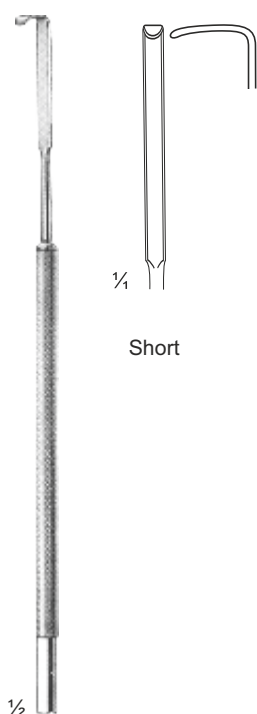


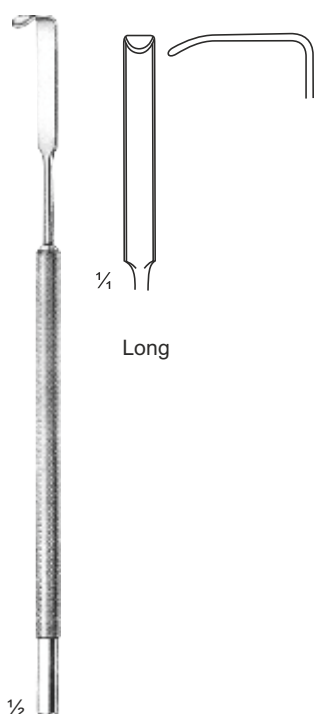
Fig. 1
AS-10-425
 10 cm

Fig. 2
AS-10-426
 10.5 cm

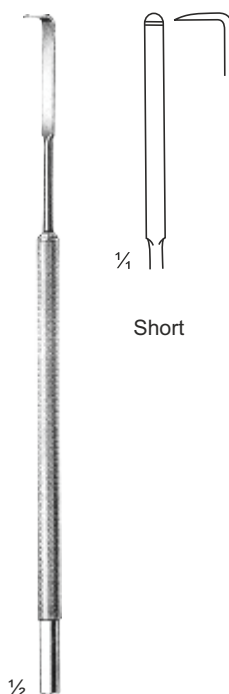
Fig. 3
AS-10-427
 11 cm



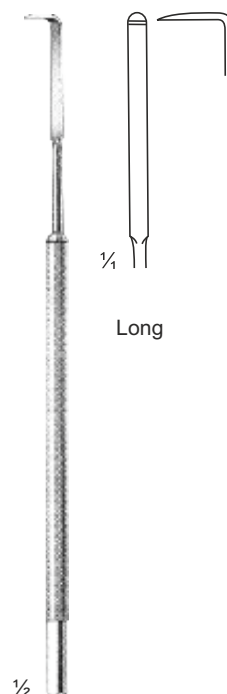
SALYER
AS-10-428
185 mm
Cleft Palate
Hooklets



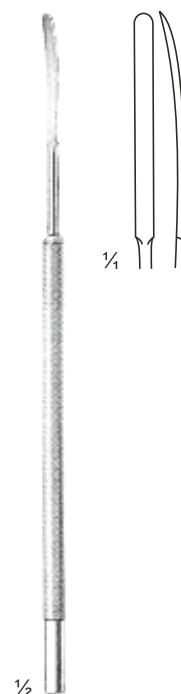
SALYER
AS-10-429
185 mm
Cleft Palate
Hooklet



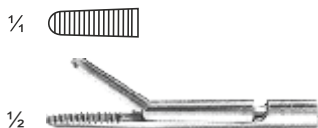
SALYER
AS-10-430
180 mm
Cleft Palate
Dissector



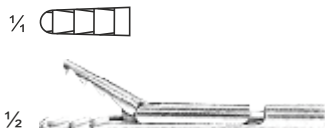
SALYER
AS-10-431
180 mm
Cleft Palate
Dissector



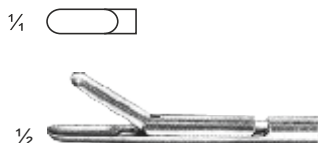
SALYER
AS-10-432
180 mm
Cleft Palate
Instruments



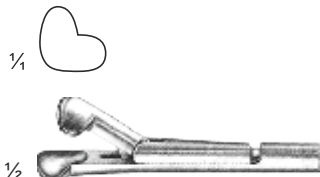
FRAENKEL
AS-10-433
for interchangeable tubes



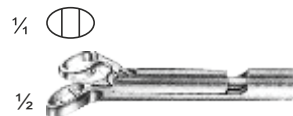
SEIFFERT
AS-10-434
for interchangeable tubes



FRAENKEL
AS-10-435
for interchangeable tubes



SCHEINMANN
AS-10-436
for interchangeable tubes



SCHEINMANN
AS-10-437
for interchangeable tubes



BRÜNINGS
AS-10-438 - AS-10-439
for interchangeable tubes

1/4 
Fig. 2
AS-10-438


Fig. 3
AS-10-439

1/4 
Fig. 2
AS-10-440


Fig. 3
AS-10-441



BRÜNINGS
AS-10-440 - AS-10-441
for interchangeable tubes



LANGE
AS-10-442
for interchangeable tubes

1/4 
Fig. 1
AS-10-442



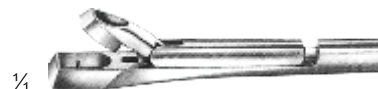
Fig. 1
AS-10-443



Fig. 2
AS-10-444



KRAUSE
AS-10-443 - AS-10-444
for interchangeable tubes



KRAUSE
AS-10-445
for interchangeable tubes



Fig. 1
AS-10-446



Fig. 2
AS-10-447



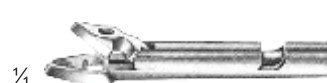
Fig. 3
AS-10-448



Fig. 4
AS-10-449



CORDES
AS-10-446 - AS-10-449
for interchangeable tubes



SCHUMACHER
AS-10-450
for interchangeable tubes



Fig. 1
AS-10-451



Fig. 2
AS-10-452



CORDES
AS-10-451 - AS-10-452
for interchangeable tubes



CORDES
AS-10-453
for interchangeable tubes

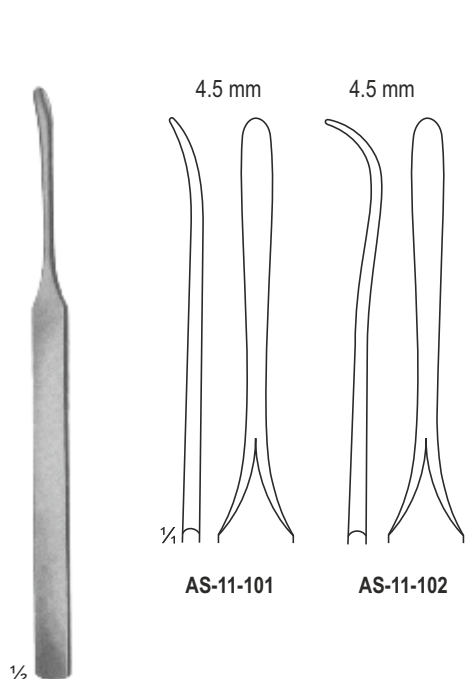


ROSENBERG
AS-10-454
for interchangeable tubes

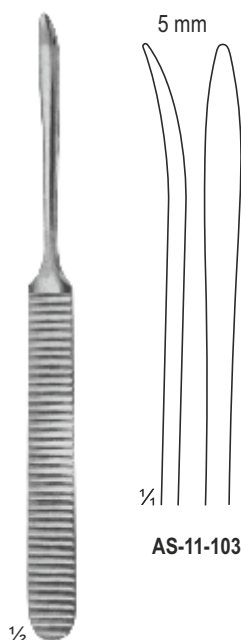


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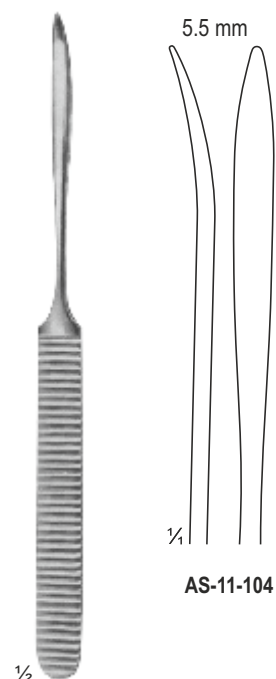
- Elevators
- Bone Levers
- Raspatories
- Bone Files
- Bone Curettes



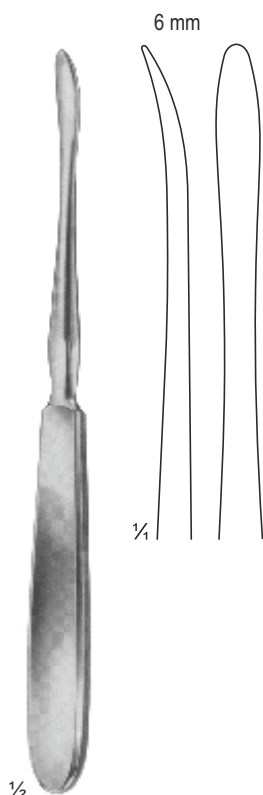
AS-11-101 - AS-11-102
KONIG
155 mm



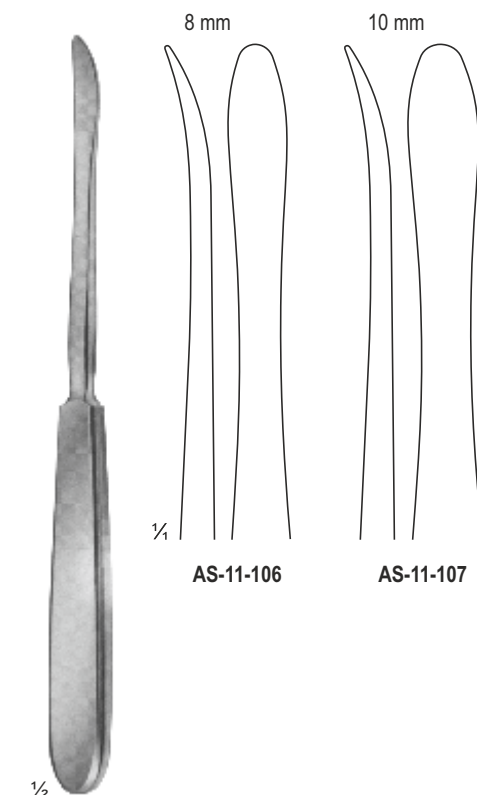
RS-003
WILLIGER
165 mm



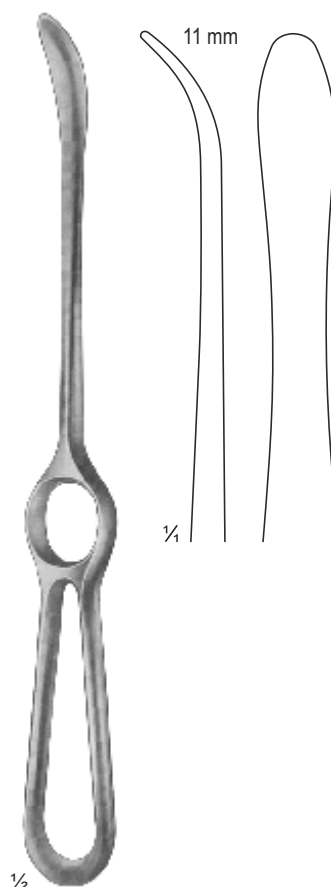
AS-11-104
WILLIGER
170 mm



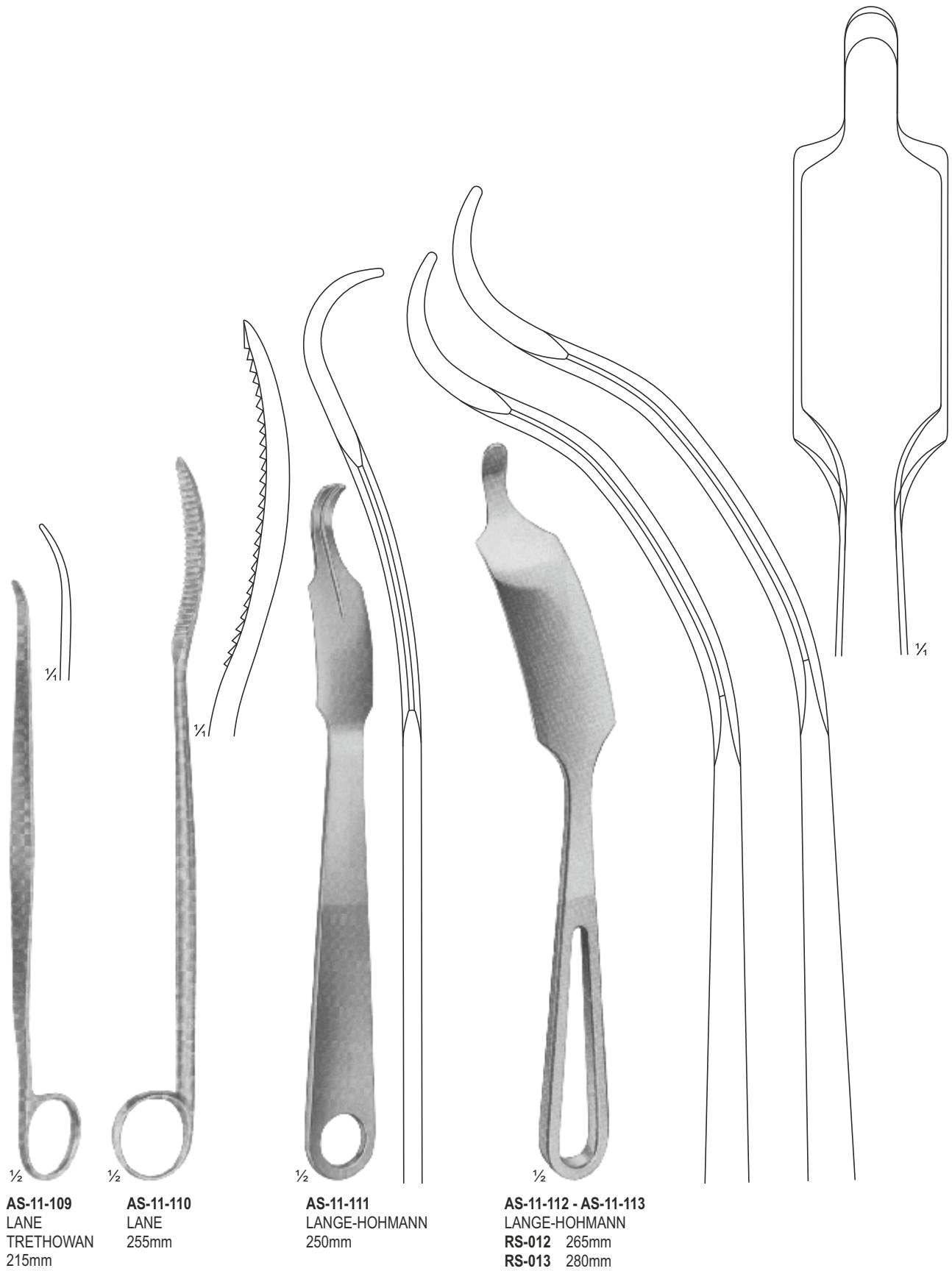
AS-11-105
QUERVAIN
195 mm

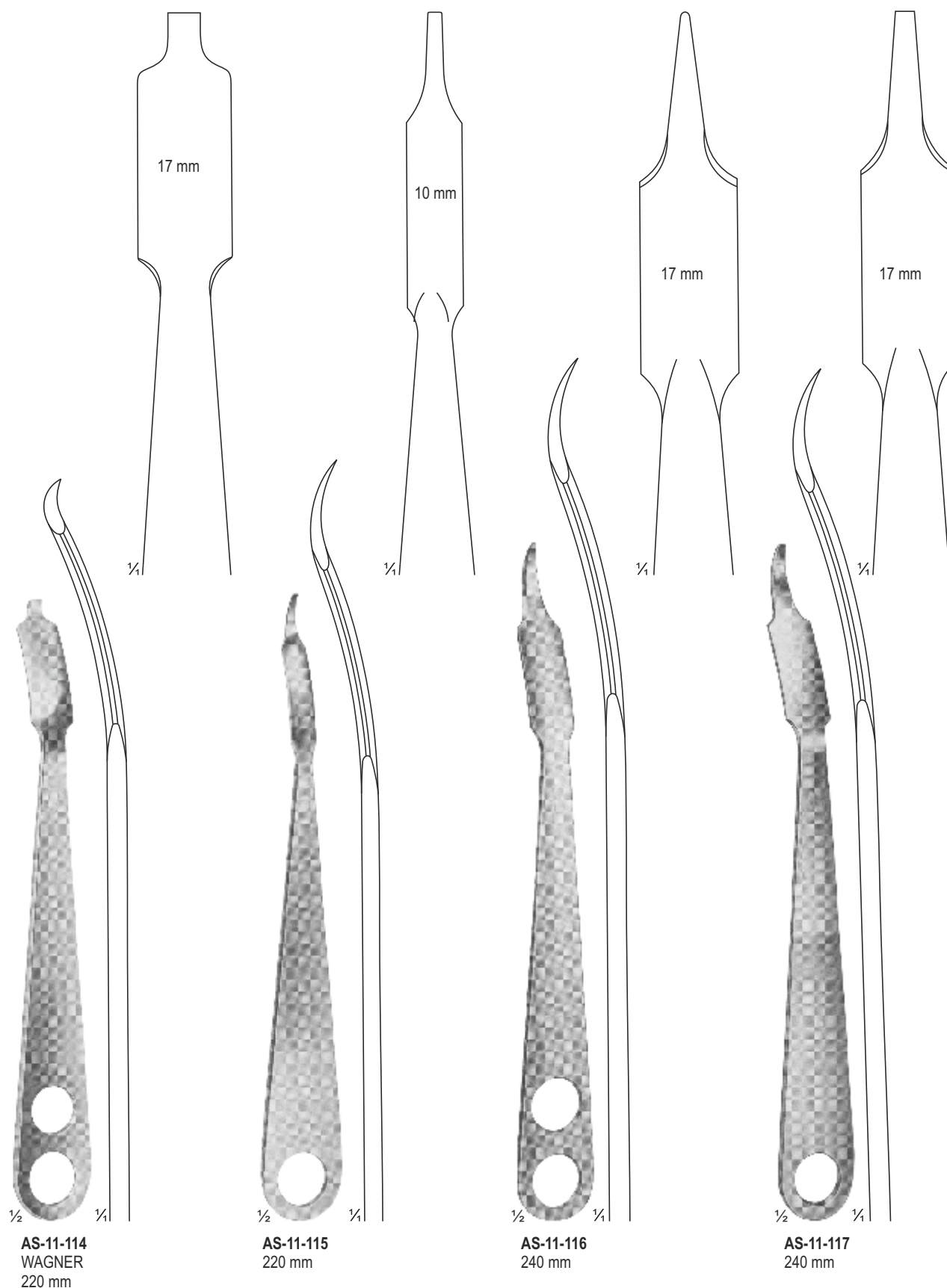


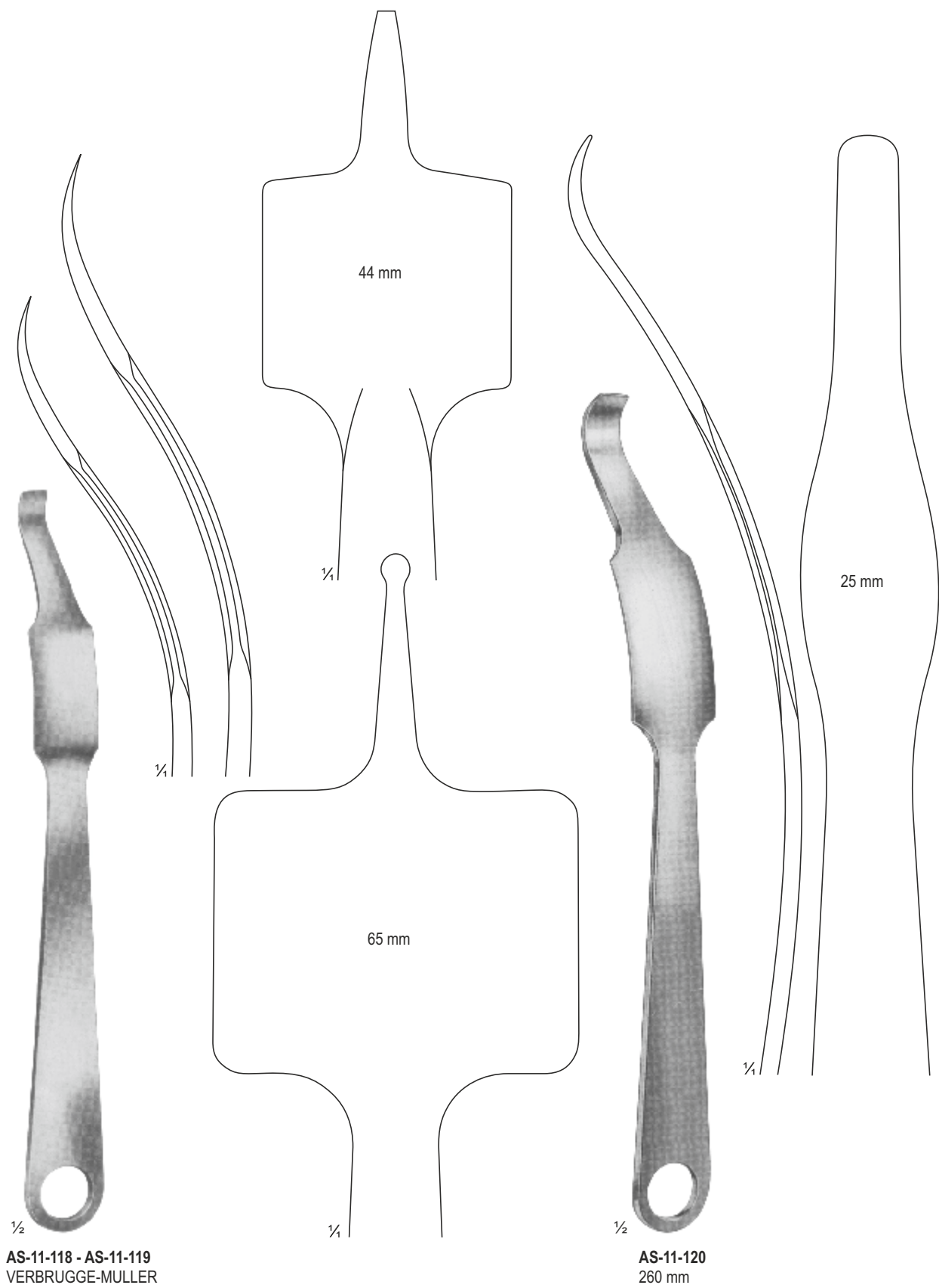
AS-11-106 - AS-11-107
LANGENBECK
195 mm



AS-11-108
LANGENBECK
230 mm

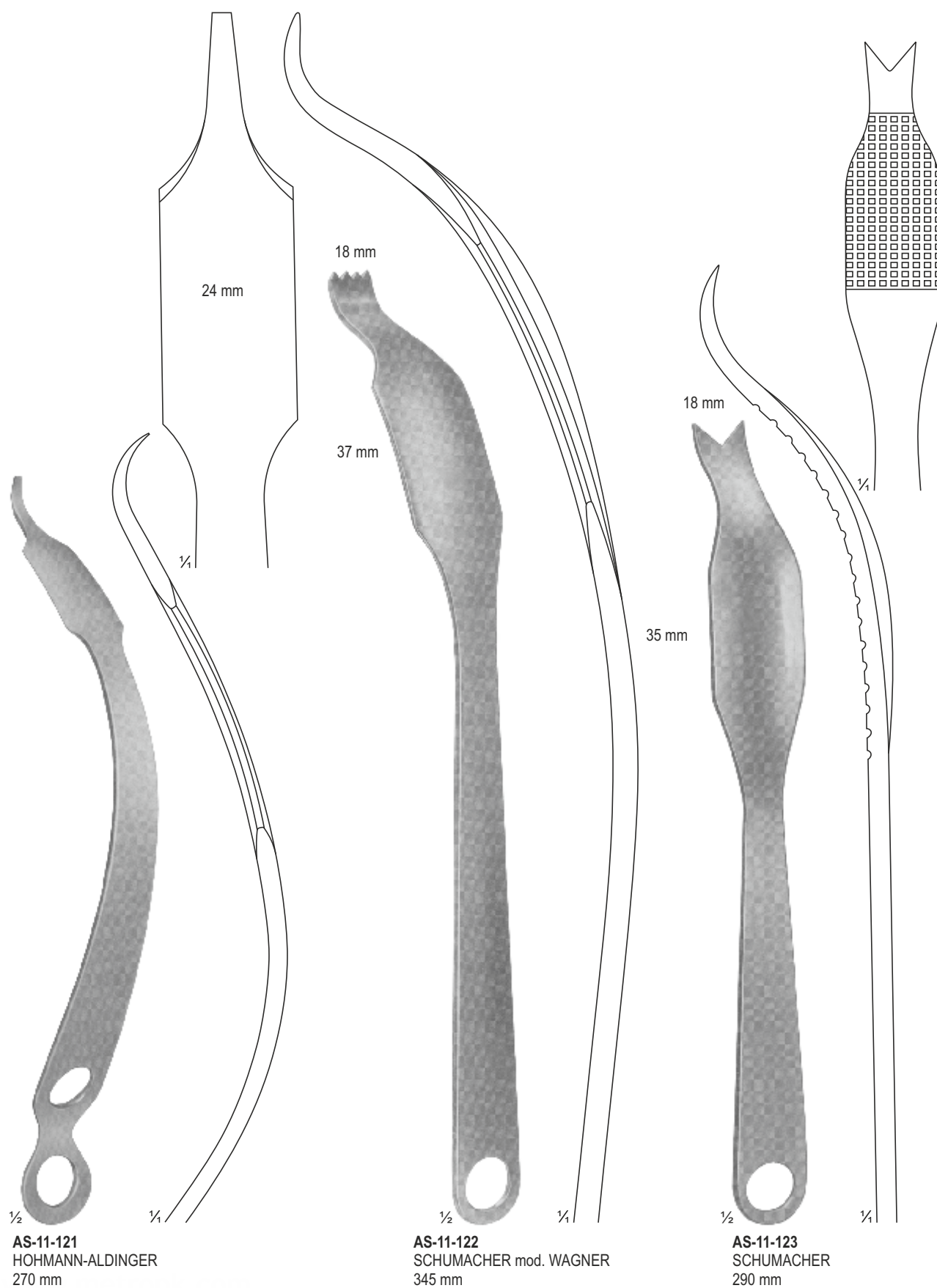


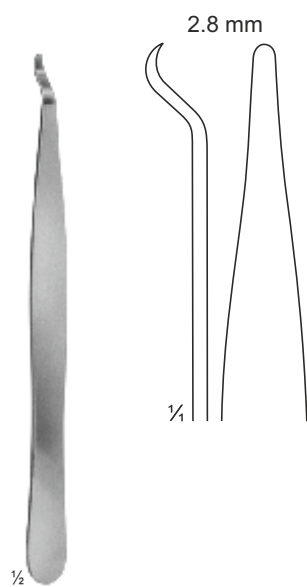




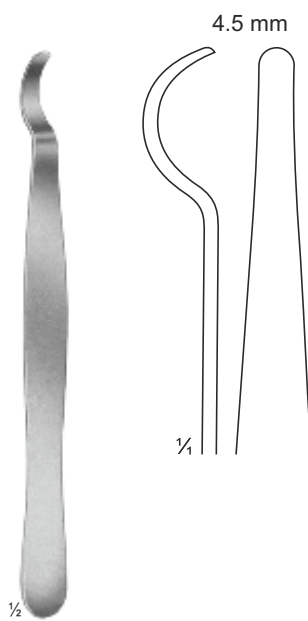
AS-11-118 - AS-11-119
VERBRUGGE-MULLER
AS-11-118 240 mm
AS-11-119 255 mm

AS-11-120
260 mm

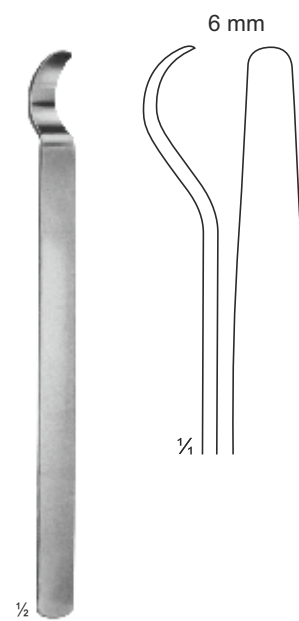




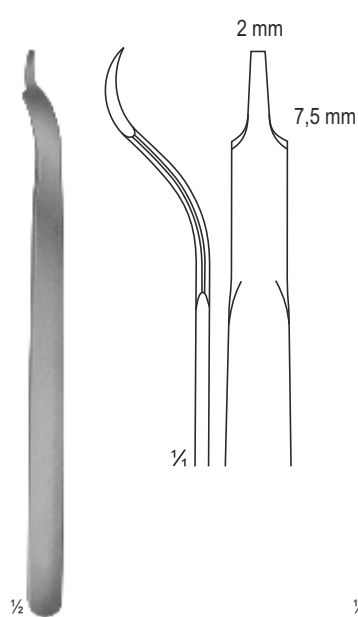
AS-11-124
140 mm



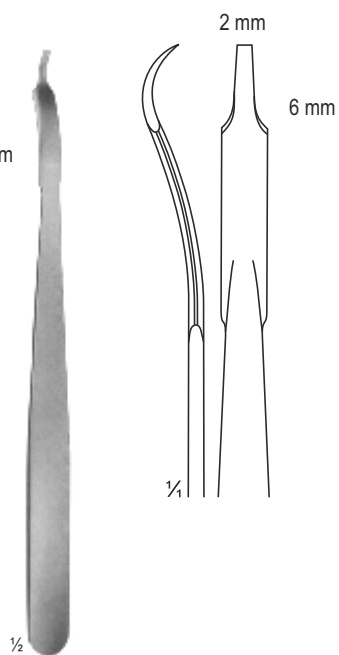
AS-11-125
150 mm



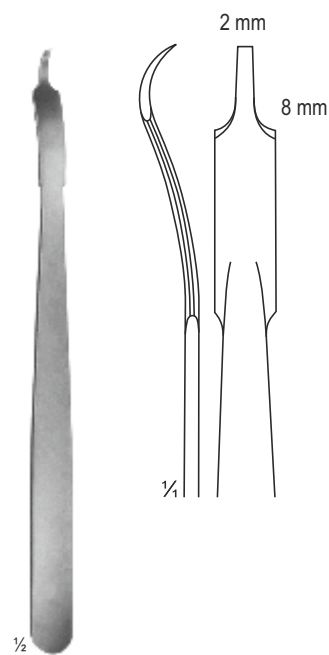
AS-11-126
150 mm



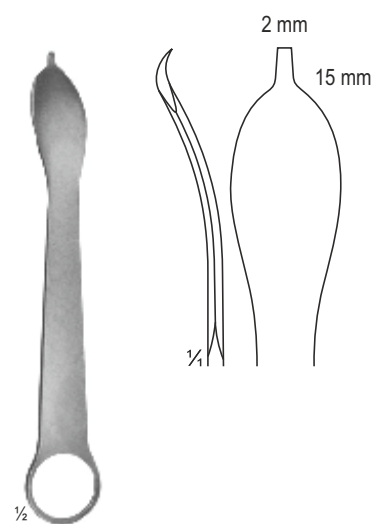
BUCK-GRAMCKO
AS-11-127
150 mm



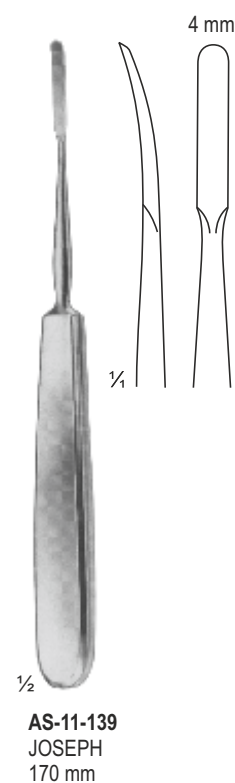
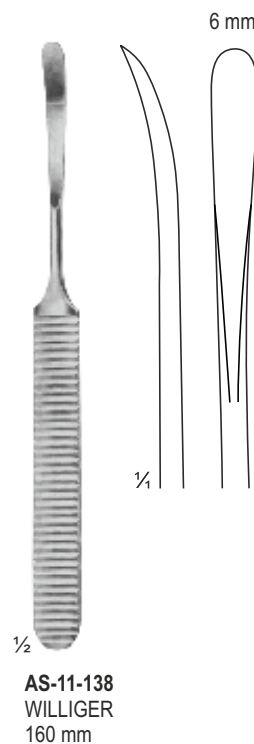
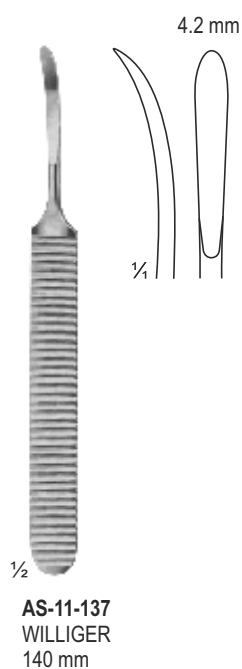
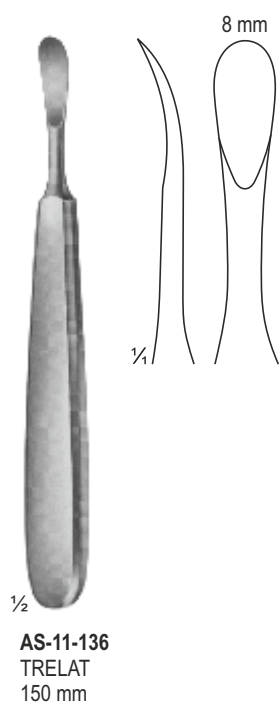
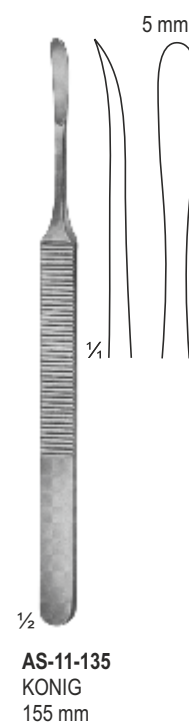
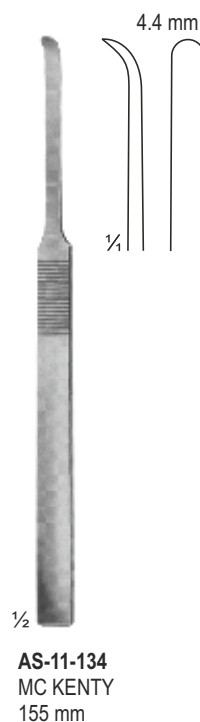
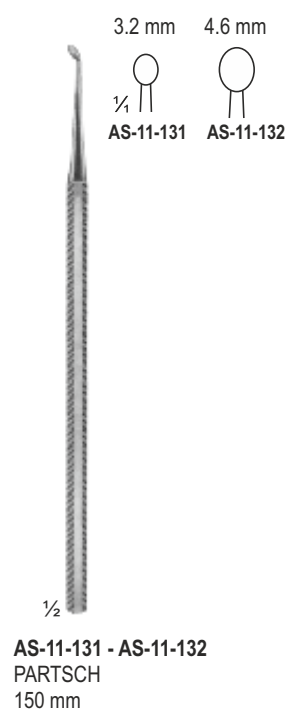
AS-11-128
160 mm

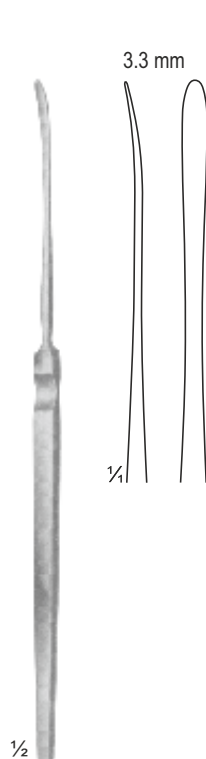


AS-11-129
160 mm

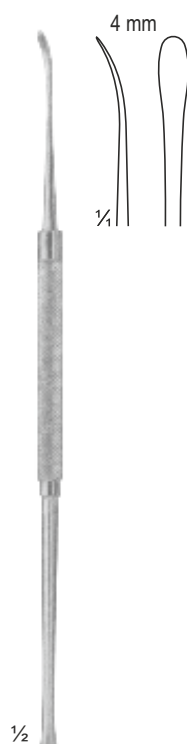


AS-11-130
125 mm

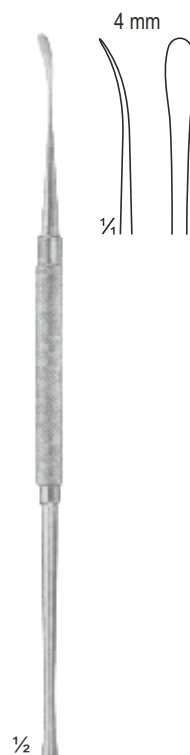




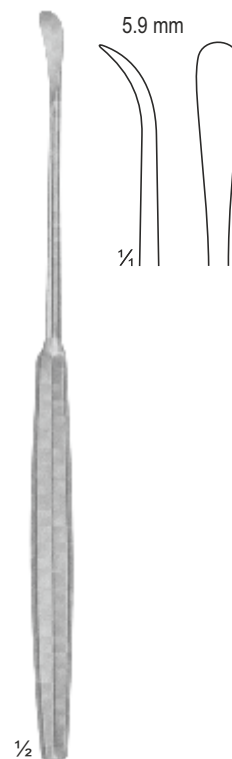
AS-11-140
HALLÉ
stumpf/blunt
180 mm



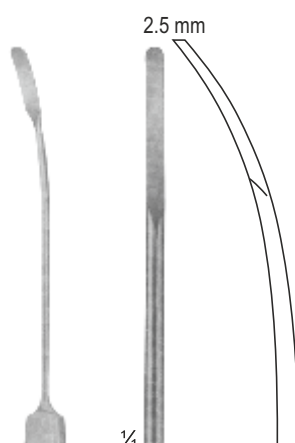
AS-11-141
FREER
stumpf/blunt
190 mm



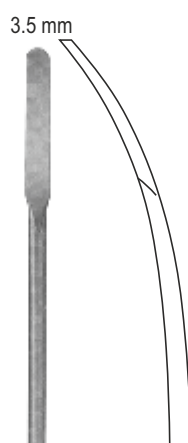
AS-11-142
FREER
stumpf/sharp
190 mm



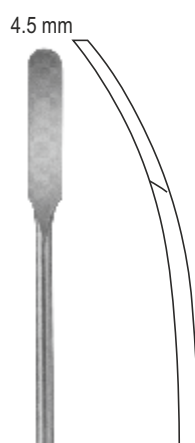
AS-11-143
SEWALL
stumpf/blunt
190 mm



AS-11-144



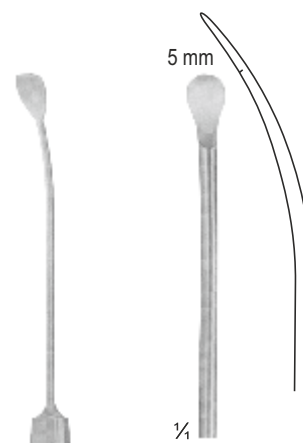
AS-11-145



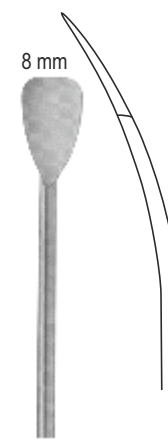
AS-11-146



AS-11-144 - AS-11-146
205 mm



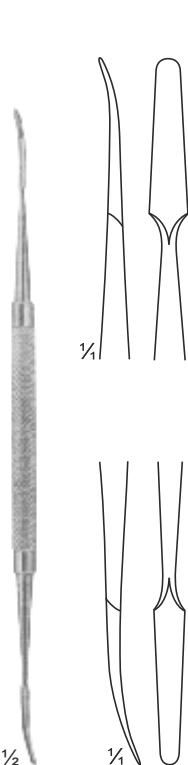
AS-11-147



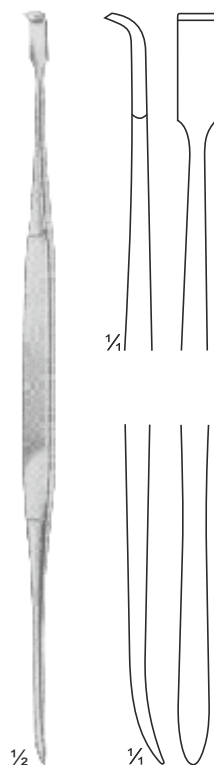
AS-11-148



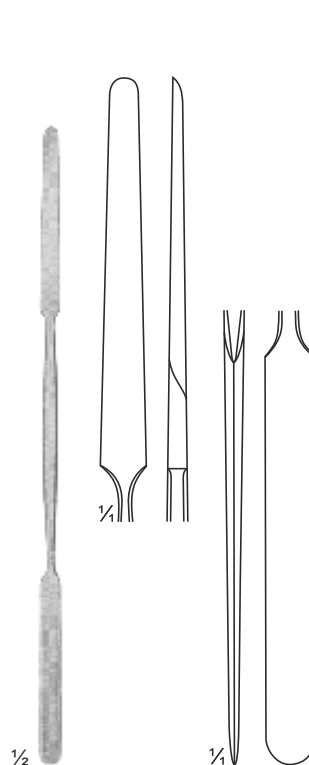
AS-11-147 - AS-11-148
PAULSEN
205 mm



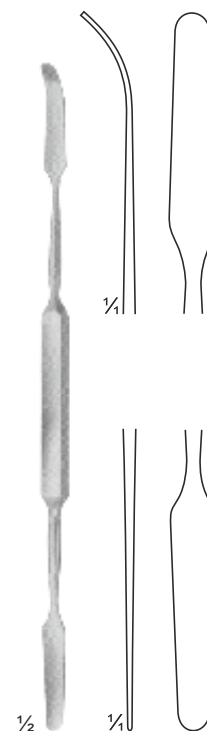
AS-11-149
KILLIAN
sharp/blunt
185 mm



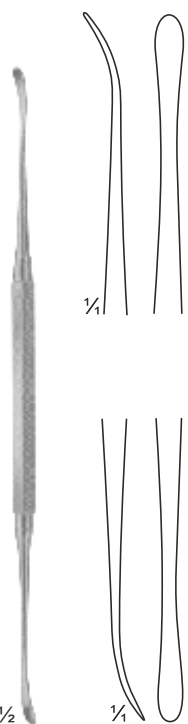
AS-11-150
HOWARTH
sharp/blunt
215 mm



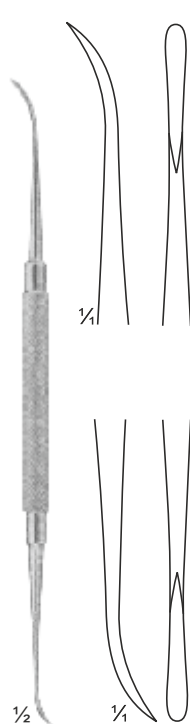
AS-11-151
KILLIAN
sharp/blunt
185 mm



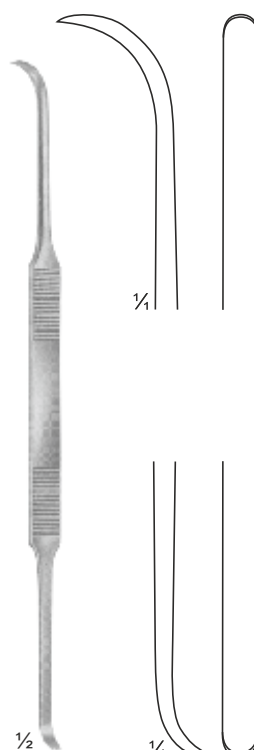
AS-11-152
MAC DONALD
blunt/blunt
185 mm



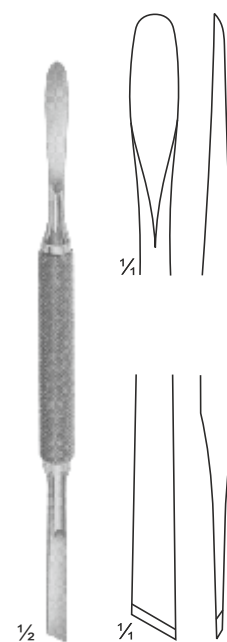
AS-11-153
FREER
sharp/blunt
185 mm



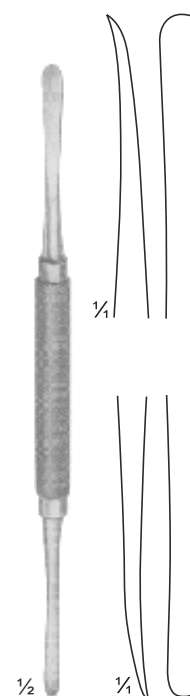
AS-11-154
FREER-YASARGIL
sharp/sharp
185 mm



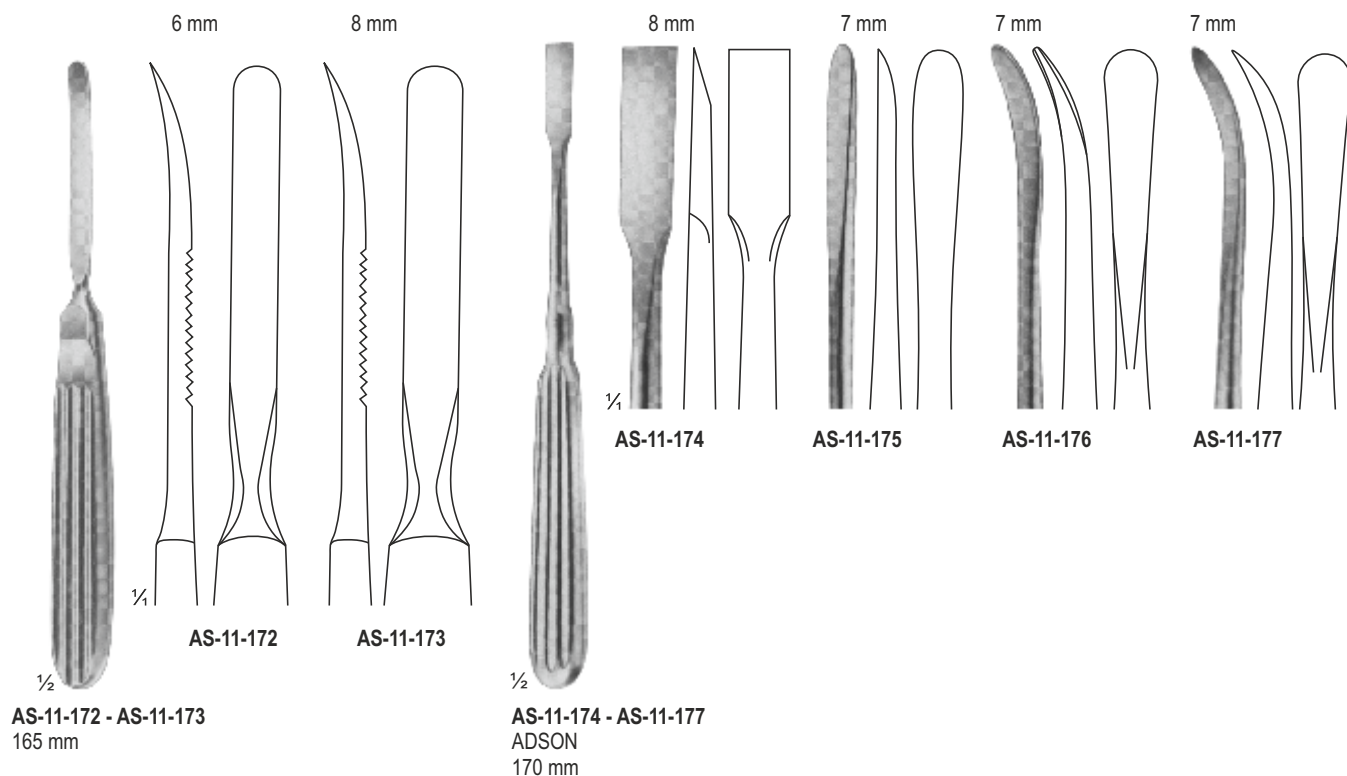
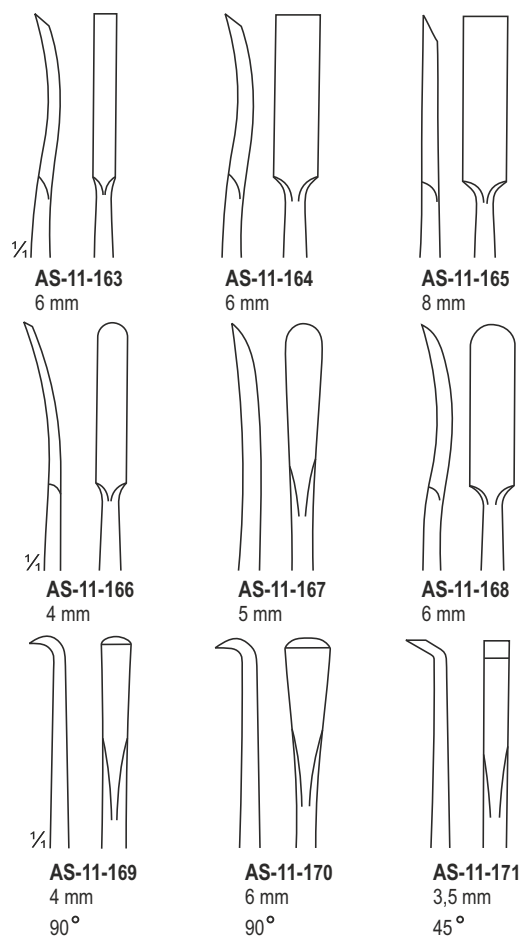
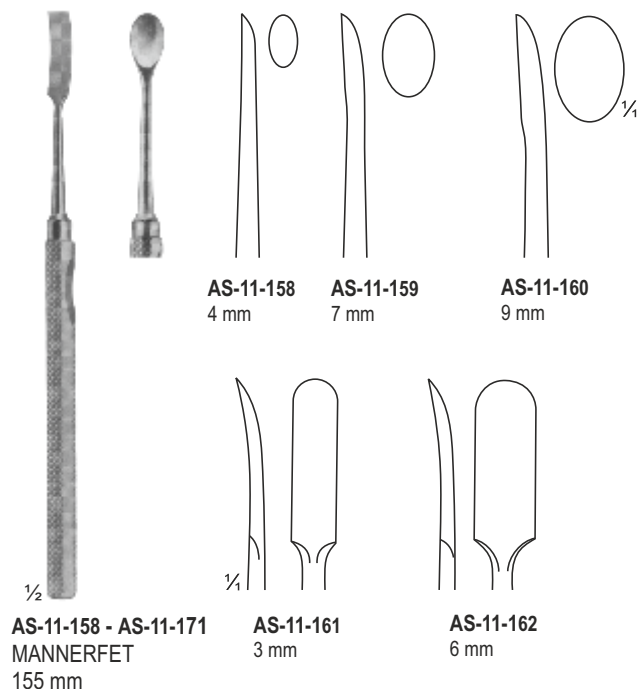
AS-11-155
COTTLE
sharp/sharp
200 mm

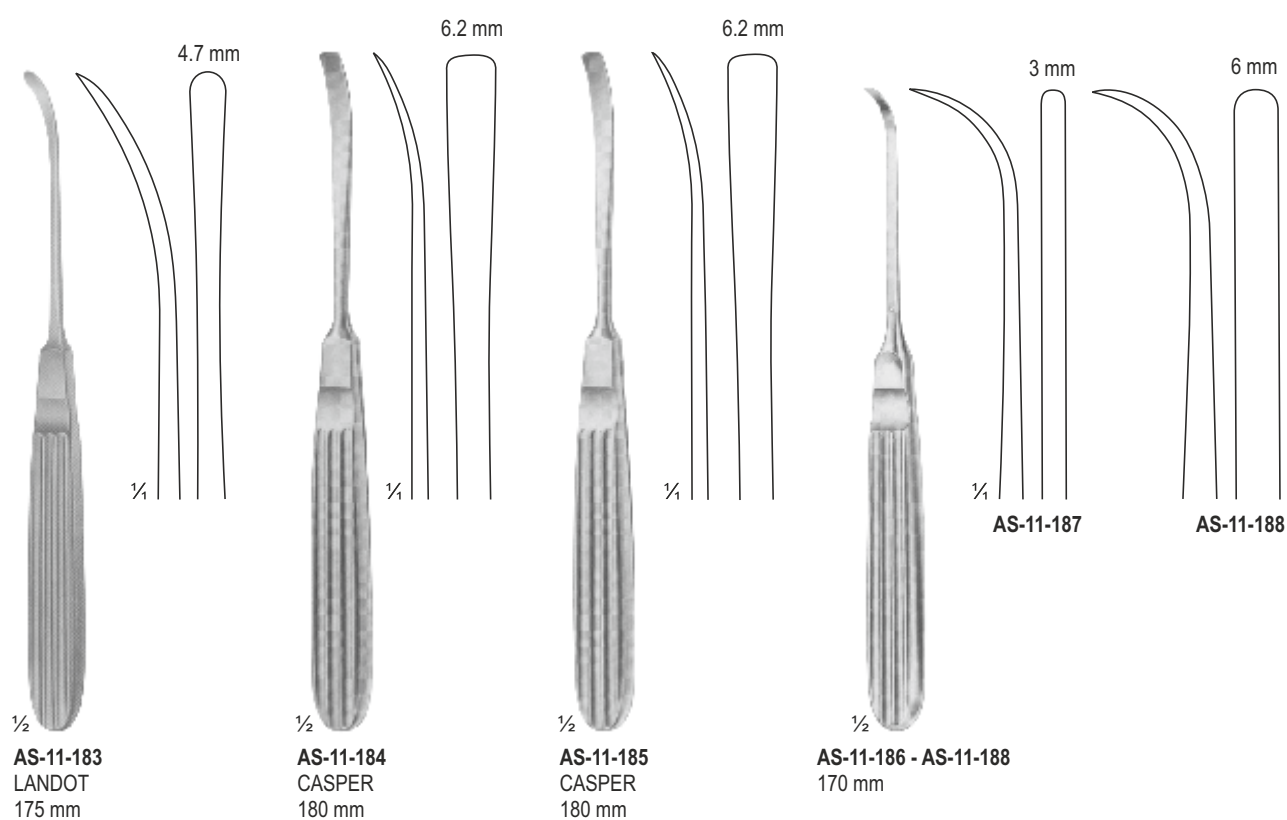
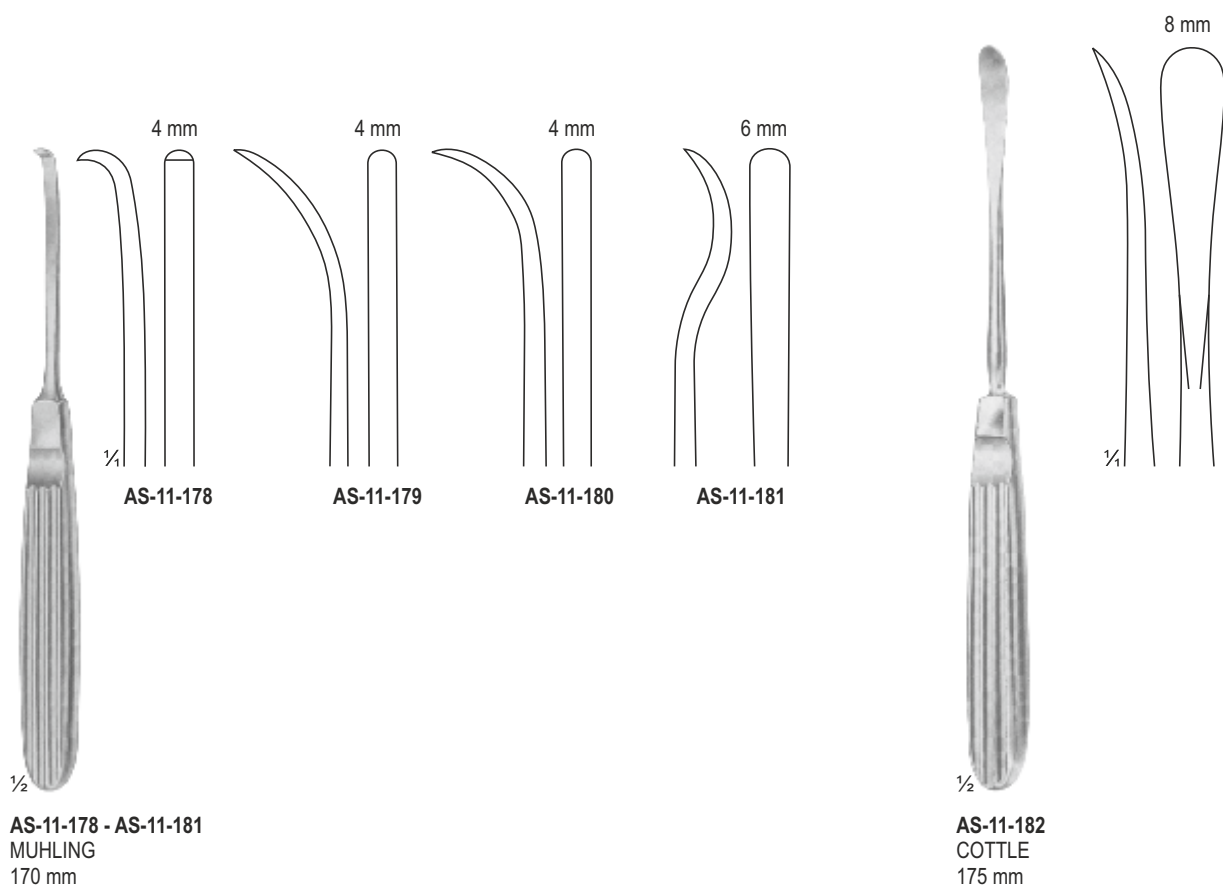


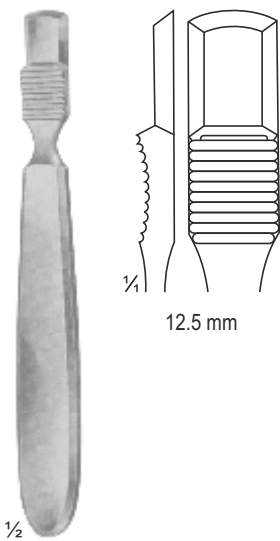
AS-11-156
MEAD
sharp/sharp
165 mm



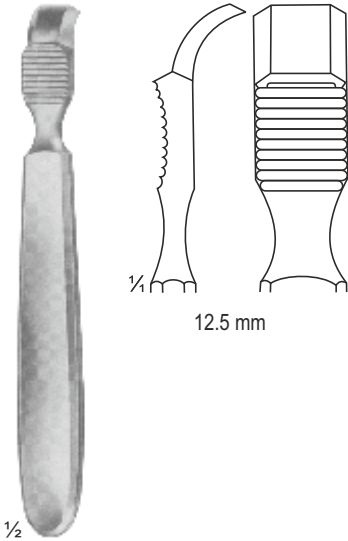
AS-11-157
MOLT
sharp/sharp
180 mm



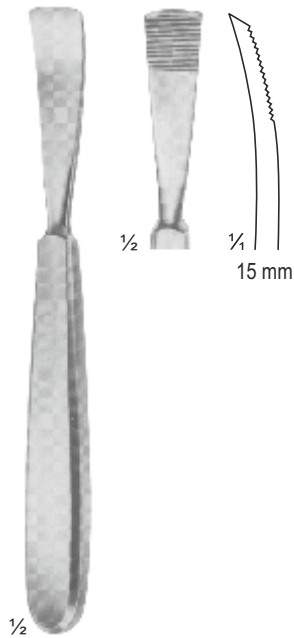




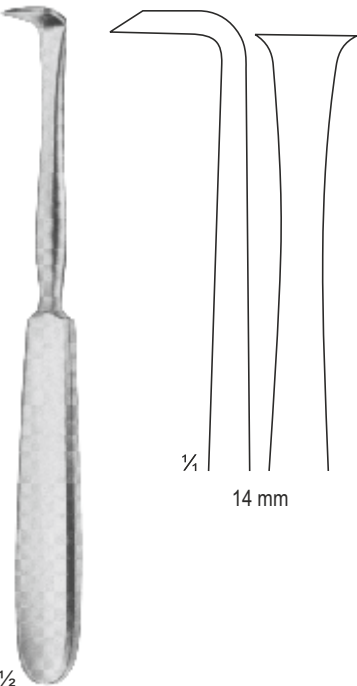
AS-11-189
FARABEU
140 mm



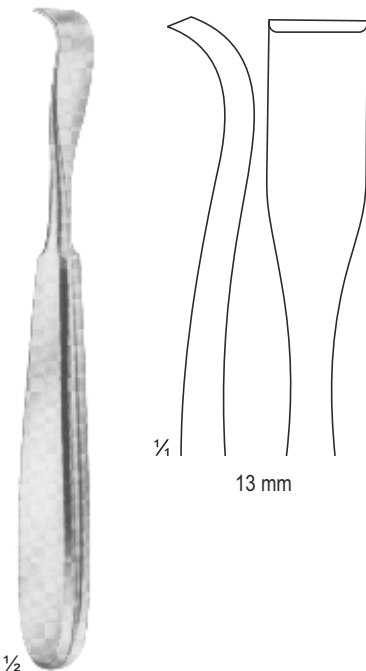
AS-11-190
FARABEU
140 mm



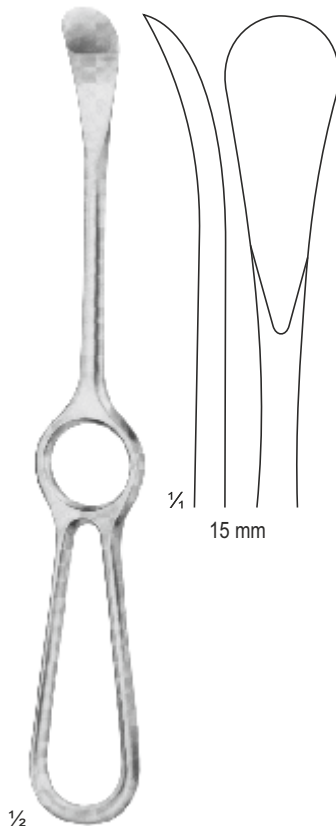
AS-11-191
JANSEN
165 mm



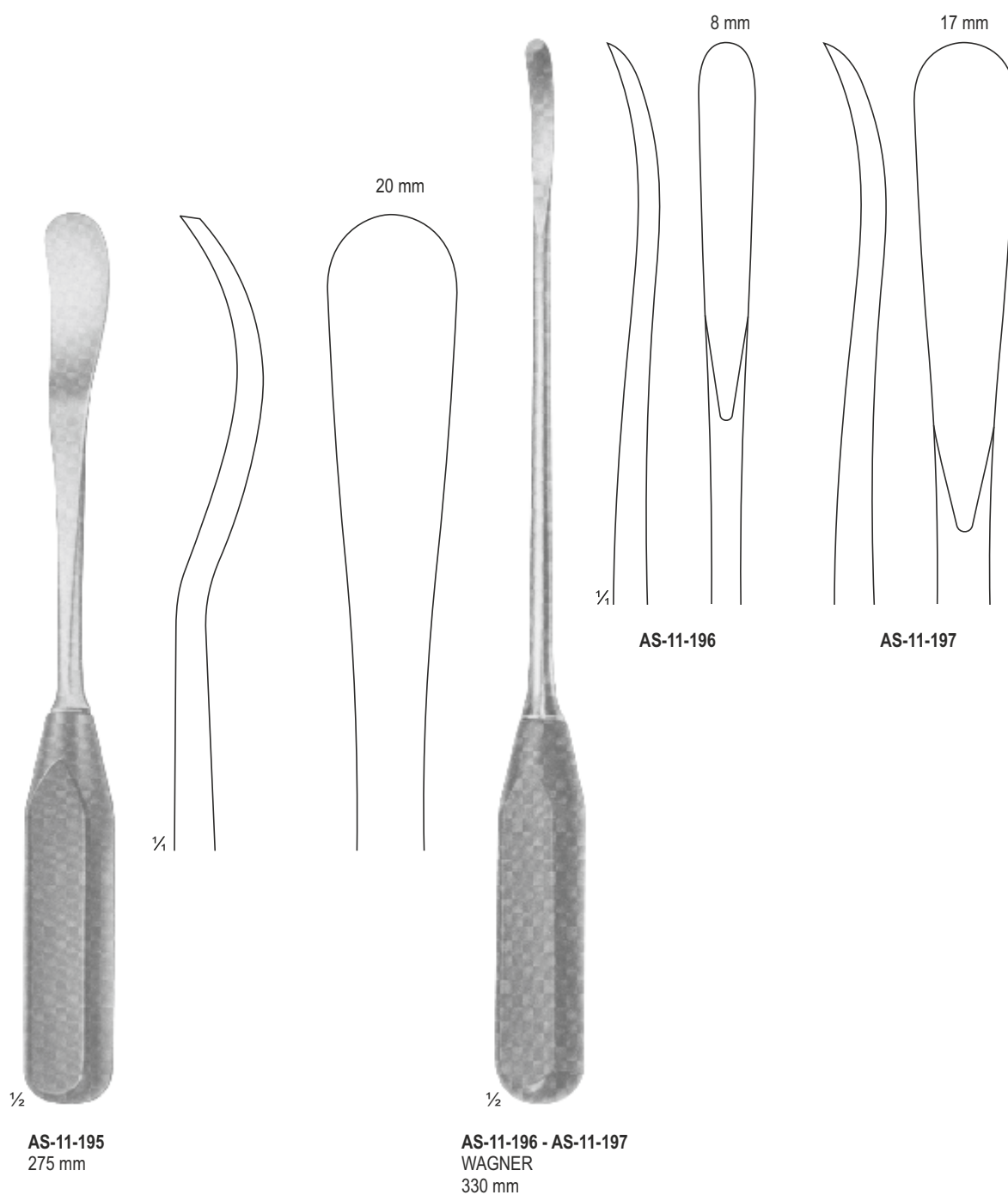
AS-11-192
LANGENBECK
180 mm

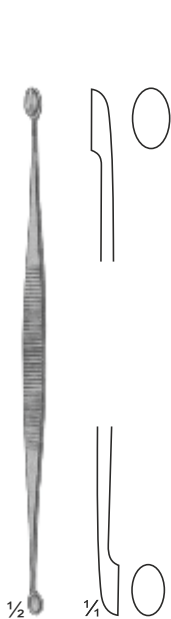


AS-11-193
SCHNEIDER
175 mm

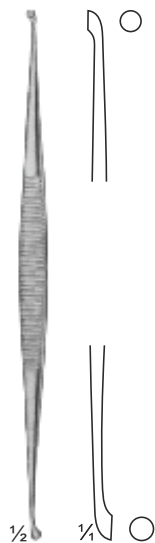


AS-11-194
SEDILLOT
215 mm

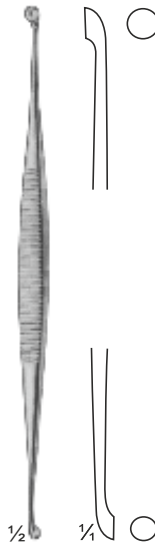




AS-11-198
JACOBSON
140 mm



AS-11-199
MARTINI
140 mm



AS-11-200
MARTINI
140 mm



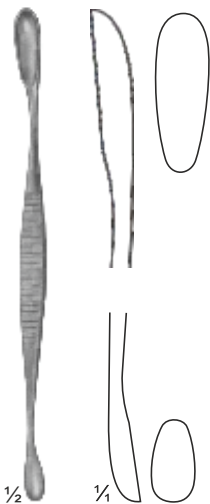
AS-11-201
WILLIGER
145 mm



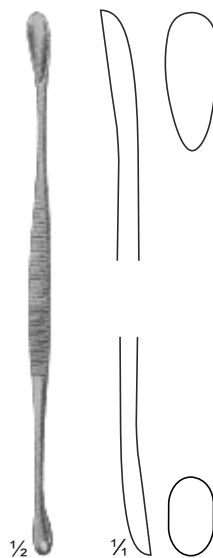
AS-11-202
JANSEN
160 mm



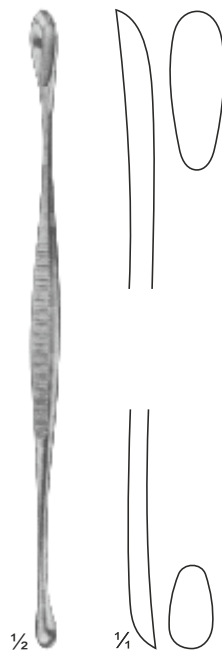
AS-11-203
BARTH
180 mm



AS-11-204
VOLKMANN
130 mm



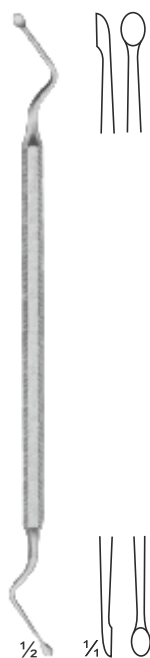
AS-11-205
VOLKMANN
145 mm



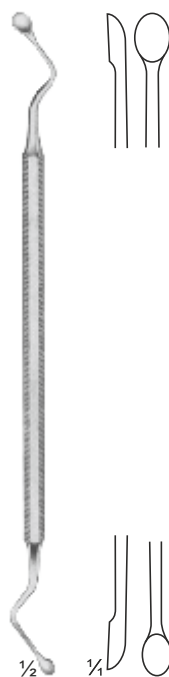
AS-11-206
VOLKMANN
170 mm



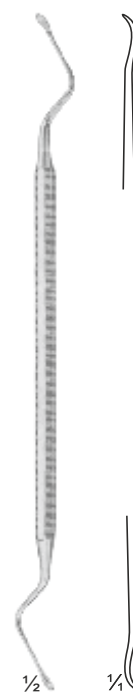
AS-11-207
JANSEN
160 mm



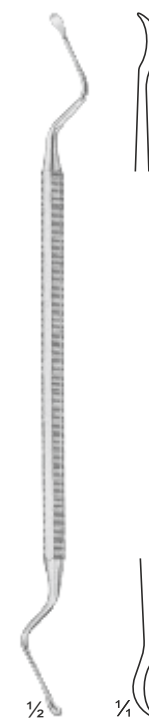
AS-11-208
HEMINGWAY
170 mm



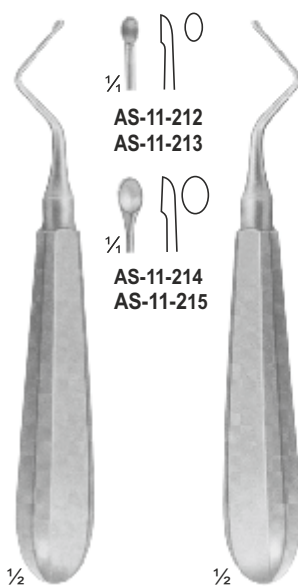
AS-11-209
HEMINGWAY
175 mm



AS-11-210
LUCAS
180 mm

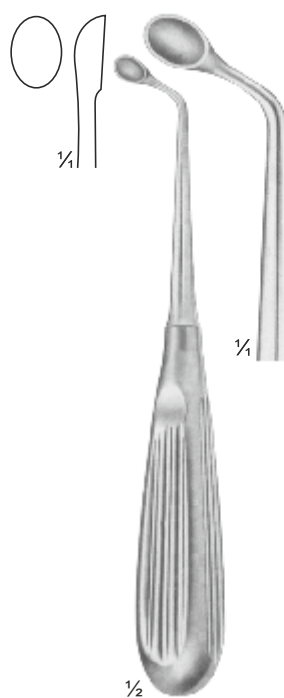


AS-11-211
LUCAS
185 mm



AS-11-212 - AS-11-213
KERPEL
145 mm

AS-11-214 - AS-11-215
KERPEL
145 mm



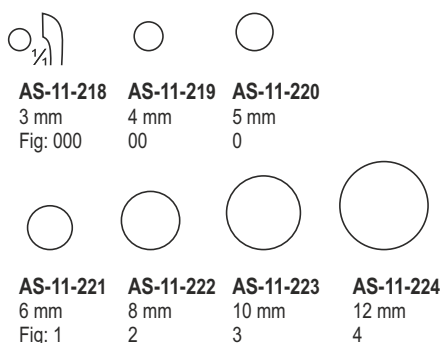
AS-11-216
UFFENDORDE
170 mm



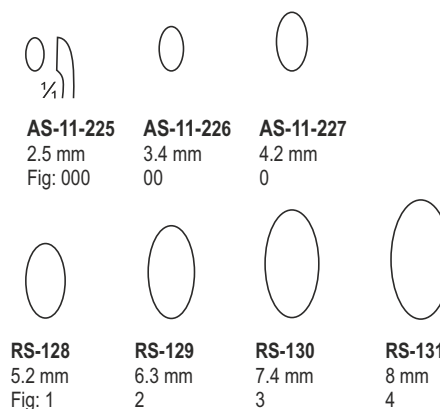
AS-11-217
UFFENDORDE
170 mm



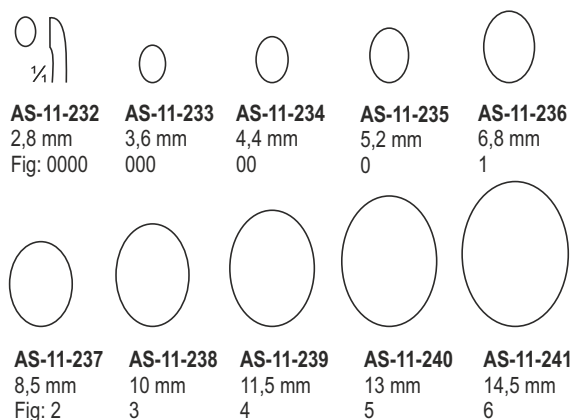
AS-11-218 - AS-11-224
BRUNS
165 mm



AS-11-225 - AS-11-231
SCHEDE
170 mm

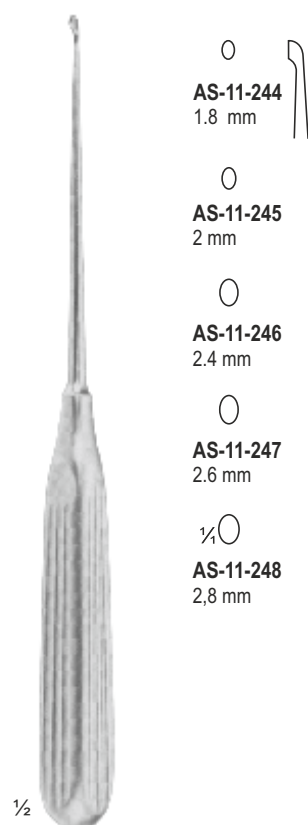


AS-11-232 - AS-11-241
VOLKMANN
170 mm

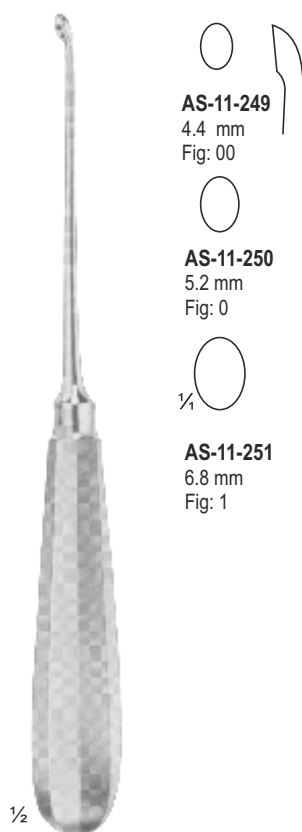


AS-11-242 - AS-11-243
WILLIGER
170 mm

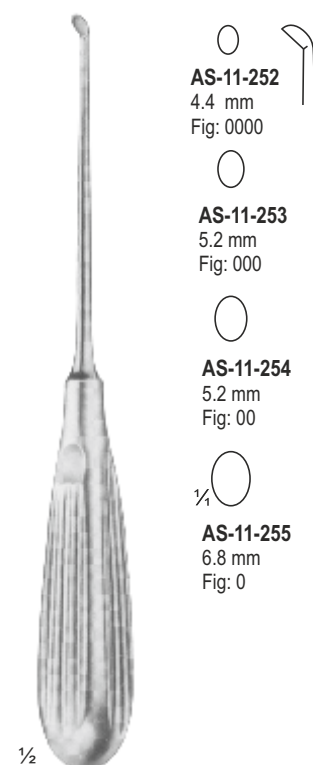




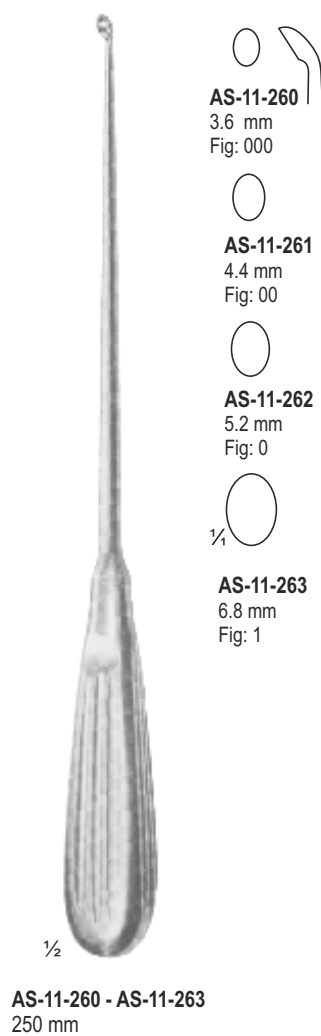
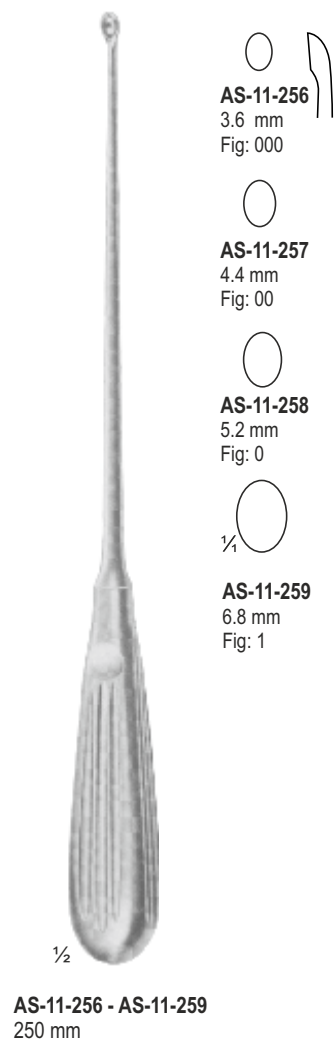
AS-11-244 - AS-11-248
LEMPERT
215 mm



AS-11-249 - AS-11-251
HALLE
215 mm



AS-11-252 - AS-11-255
DAUBENSPECK
200 mm



$\frac{1}{4}$ ○

Fig. 1
AS-11-267

$\frac{1}{4}$ ○

Fig. 1
AS-11-273

$\frac{1}{4}$ ○

Fig. 1
AS-11-2179

○

Fig. 2
AS-11-268

○

Fig. 2
AS-11-274

○

Fig. 2
RS-1AS-11-2

○

Fig. 3
AS-11-269

○

Fig. 3
AS-11-275

○

Fig. 3
RS-1AS-11-2

○

Fig. 4
AS-11-270

○

Fig. 4
RS-1AS-11-2

○

Fig. 4
AS-11-282



○

Fig. 5
AS-11-271

○

Fig. 5
AS-11-277

○

Fig. 5
AS-11-283

○

Fig. 6
AS-11-272

○

Fig. 6
AS-11-278

○

Fig. 6
AS-11-284



MODELL USA
Oval, With Hollow Handle
AS-11-267 - AS-11-272
165 mm

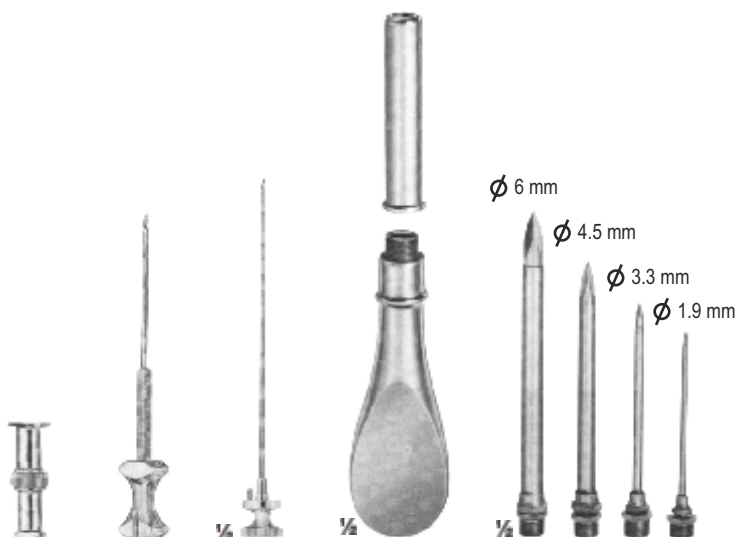
MODELL USA
Oval, With Hollow Handle
AS-11-273 - AS-11-278
165 mm

MODELL USA
Oval, With Hollow Handle
AS-11-279 - AS-11-284
16 mm



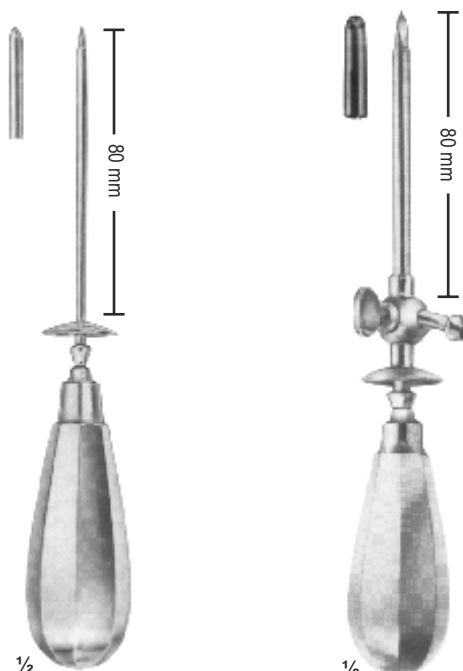
Page
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- Trocars



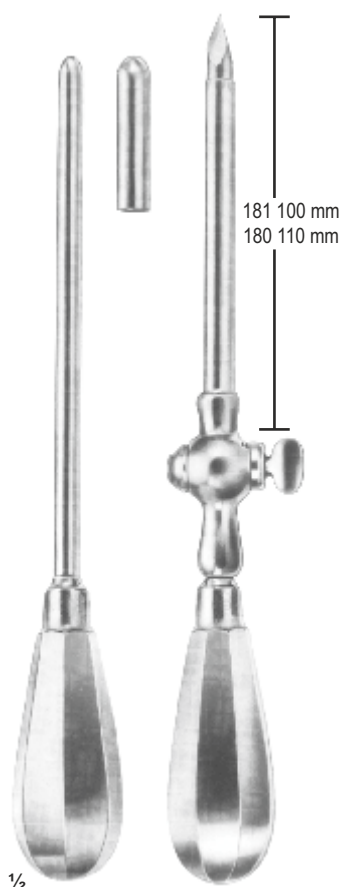
AS-12-101
KLIMA ROSEGGER
35 X 1,8 mm
Sternal puncture needle

AS-12-102
Universal trocar
with 4 tips

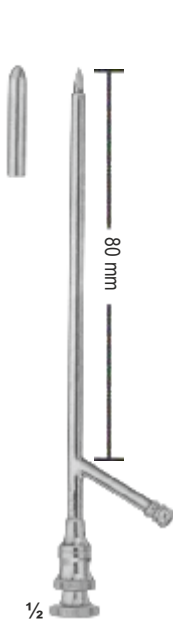


AS-12-103 - AS-12-107
Inside dime. Outside dime
AS-12-103 2,2 mm 3,0 mm
AS-12-104 3,0 mm 4,0 mm
AS-12-105 4,0 mm 5,0 mm
AS-12-106 5,0 mm 6,0 mm
AS-12-107 5,5 mm 6,5 mm
for hydrocele and abdominal
puncture

AS-12-108 - AS-12-111
Inside dime. Outside dime
AS-12-108 2,2 mm 3,0 mm
AS-12-109 3,0 mm 4,0 mm
AS-12-110 4,0 mm 5,0 mm
AS-12-111 5,0 mm 6,0 mm
for abdominal puncture,
with stop-cock and lateral
drain



AS-12-112 - AS-12-113
Inside dime. Outside dime
AS-12-112 6.5 mm 8 mm
AS-12-113 9 mm 10 mm
Empyema trocar



AS-12-114 - AS-12-117
Inside dime. Outside dime
AS-12-114 3 mm 4 mm
AS-12-115 3.6 mm 4.6 mm
AS-12-116 4.3 mm 5.3 mm
AS-12-117 5 mm 6 mm
Gall bladder trocars



AS-12-118
PIERCE
Antrum trocar
4 mm

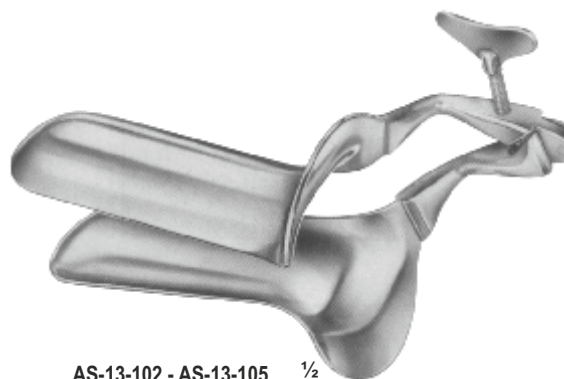


AS-12-119
COAKLEY
Antrum trocar
3 mm

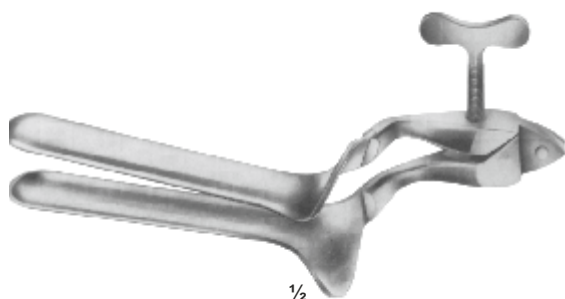


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- Vaginal Specula



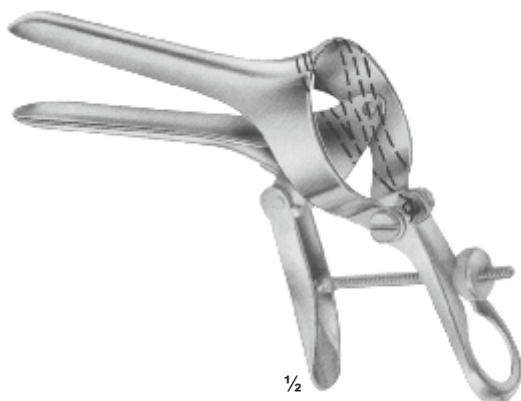
AS-13-102 - AS-13-105 $\frac{1}{2}$
COLLIN
AS-13-102 100/90mm 28 mm
AS-13-103 100/90mm 32 mm
AS-13-104 105/95mm 35 mm
AS-13-105 115/105mm 40 mm
 Total length/working width
 length



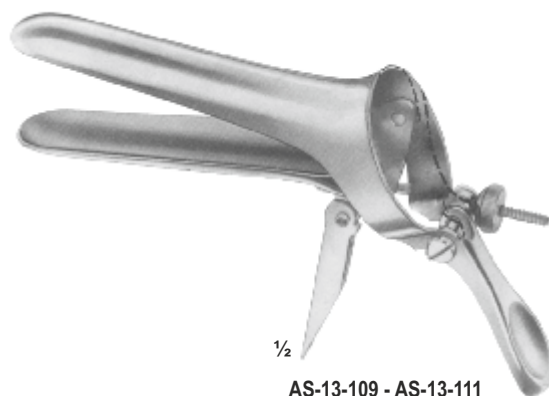
AS-13-106
COLLIN
for virgins
95/85 x 18 mm



AS-13-107
CUSCO
for virgins
75 x17 mm



AS-13-108
CUSCO
for virgins
75 x17 mm



AS-13-109 - AS-13-111
CUSCO
MN-009 92X23-25 mm
MN-010 100x25-27 mm
MN-011 110x27-30 mm



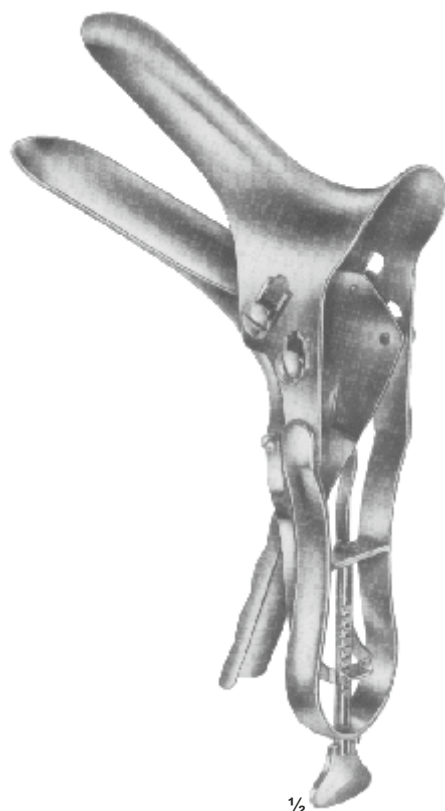
AS-13-112 - AS-13-115
CUSCO
STANDARD
AS-13-112 80X24 mm
AS-13-113 80X32 mm
AS-13-114 90X36 mm
AS-13-115 110X37 mm



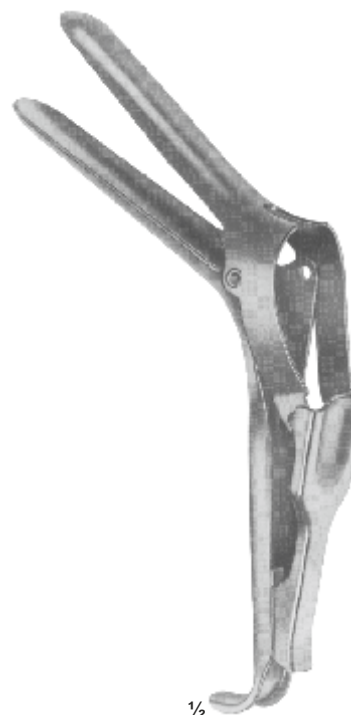
AS-13-116 - AS-13-119
CUSCO
AS-13-116 80X24 mm
AS-13-117 80X32 mm
AS-13-118 90X36 mm
AS-13-119 110X37 mm



AS-13-120 - AS-13-122
CUSCO
AS-13-120 80X24 mm
AS-13-121 80X32 mm
AS-13-122 115X36 mm



AS-13-123 - AS-13-124
SEYFFERT
AS-13-123 100X24 mm
AS-13-124 110X32 mm
230 mm

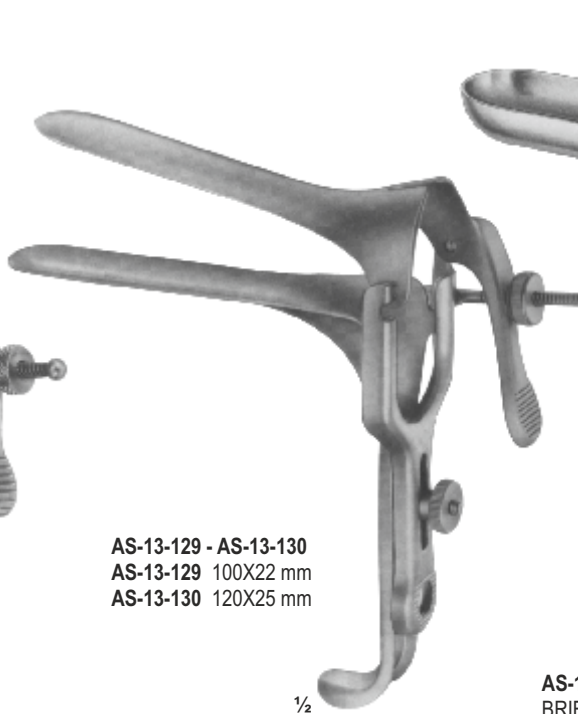


AS-13-125
SEMM
for children
and virgins
180 mm

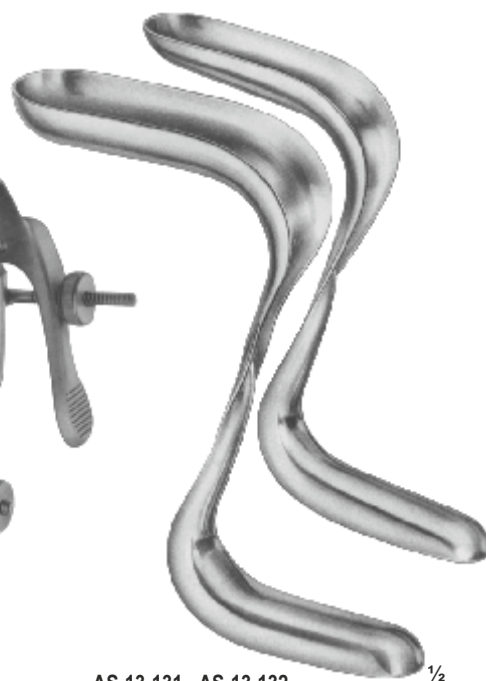
AS-13-126 - AS-13-128
GRAVE
AS-13-126 75X20 mm
AS-13-127 95X30 mm
AS-13-128 105X33 mm



AS-13-129 - AS-13-130
AS-13-129 100X22 mm
AS-13-130 120X25 mm



AS-13-131 - AS-13-132
BRIESKY
AS-13-131 72X25 mm / 77X30 mm
AS-13-132 75X30 mm / 92X38 mm
170 mm



AS-13-133 - AS-13-134
BREISKY
AS-13-133 100X22 mm
77 X30 mm
140 mm
AS-13-134 120X25 mm
92 X38 mm
170 mm



AS-13-135 - AS-13-137
SEIDL
AS-13-135 80X8 mm
AS-13-136 80X10 mm
AS-13-137 90X14 mm
For children and infants
170 mm

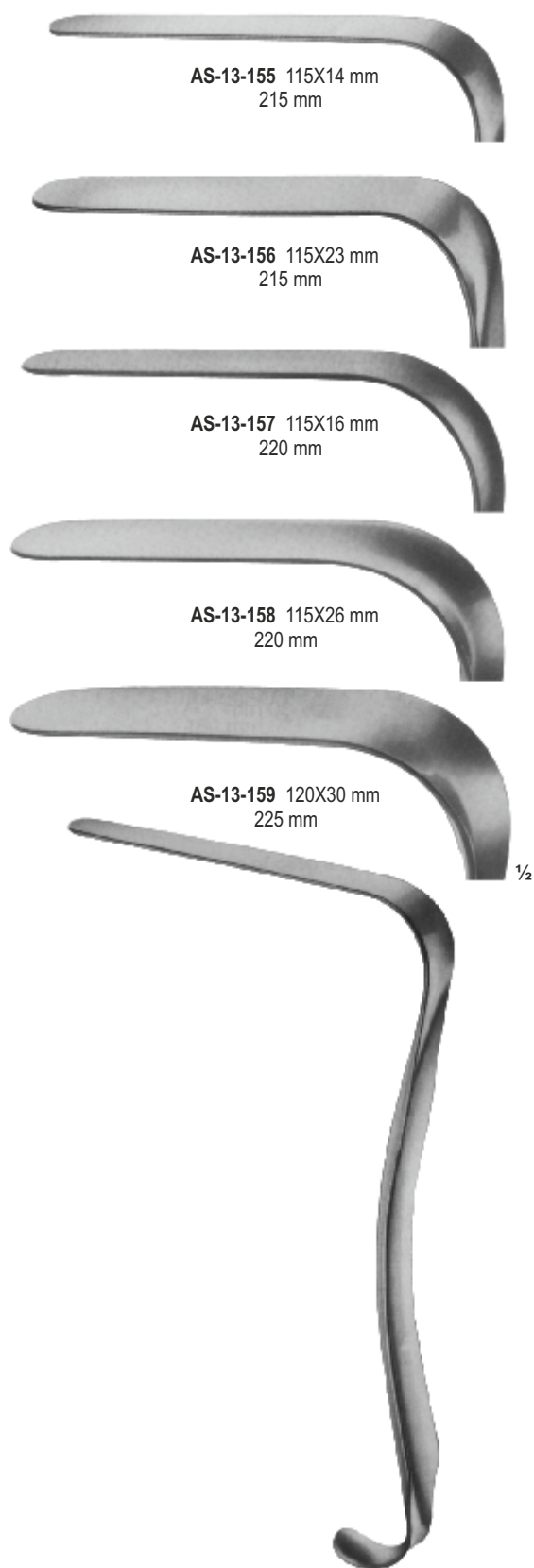


AS-13-138
KRISTELLER
70X15 mm, (170 mm)
For children

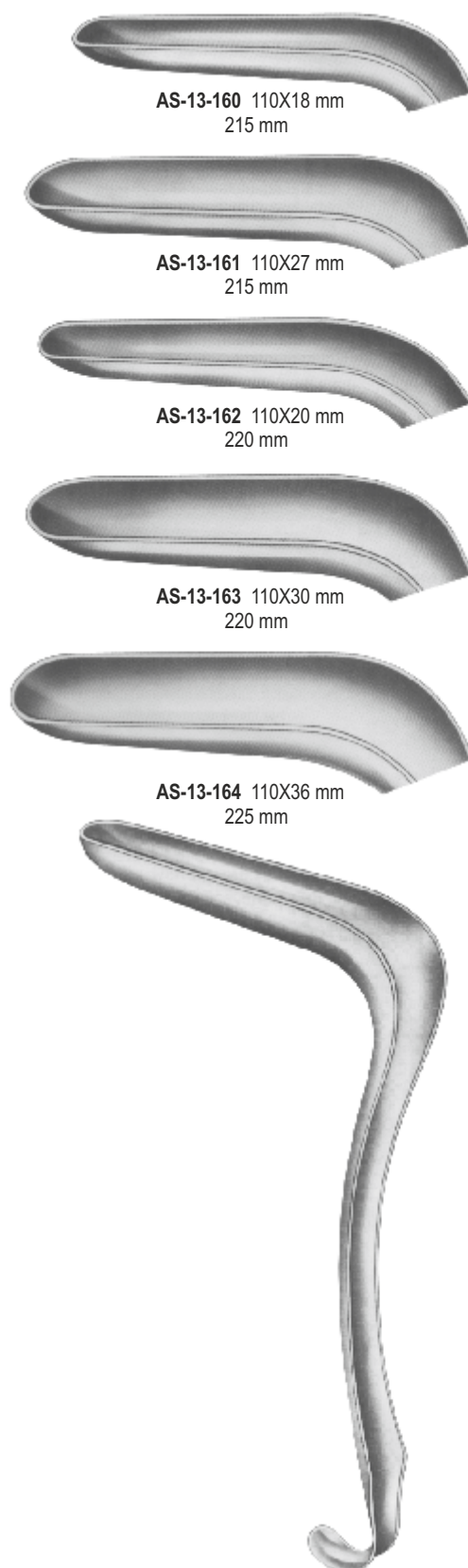


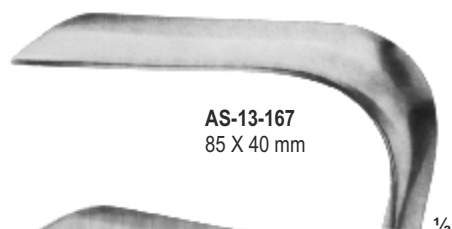
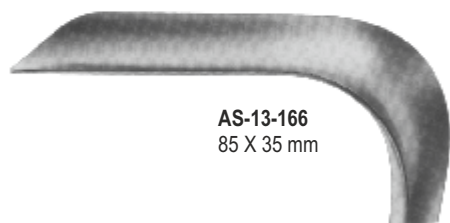
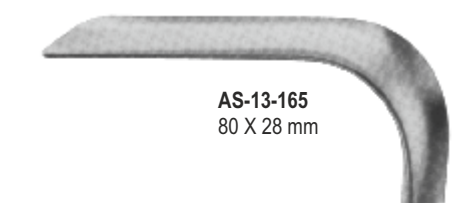
AS-13-139 - AS-13-141
SIMS
AS-13-139 70X26 mm
75 X30 mm 125 mm
AS-13-140 75X30 mm
80 X85 mm 150 mm
AS-13-141 80X36 mm
90 X40 mm 175 mm



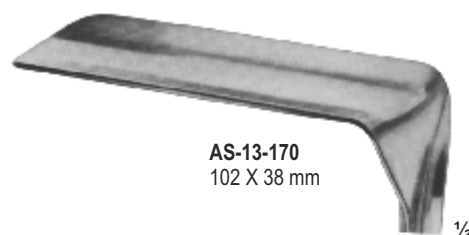
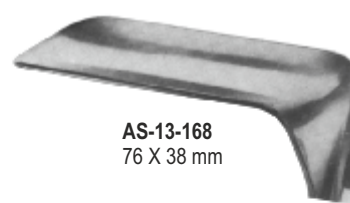


AS-13-155 - AS-13-159
KRISTELLER
Upper blades





AS-13-165 - AS-13-167
KRISTELLER
205 mm



AS-13-168 - AS-13-170
JACKSON
175 mm



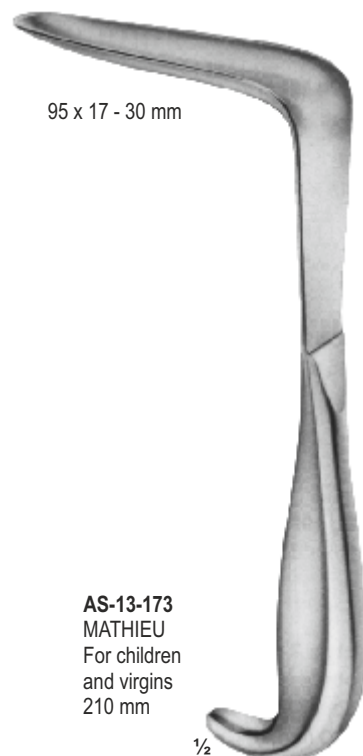
1/2

AS-13-171
BRAUN
180 mm



1/2

AS-13-172
BRAUN
180 mm



95 x 17 - 30 mm

AS-13-173
MATHIEU
For children
and virgins
210 mm

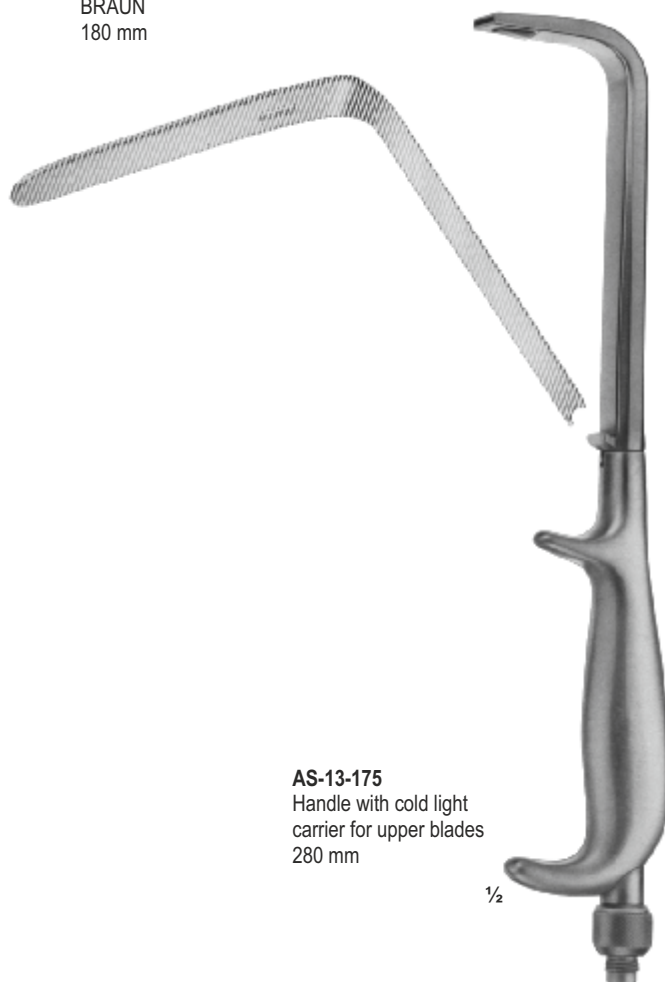
1/2



95 x 17-26 mm

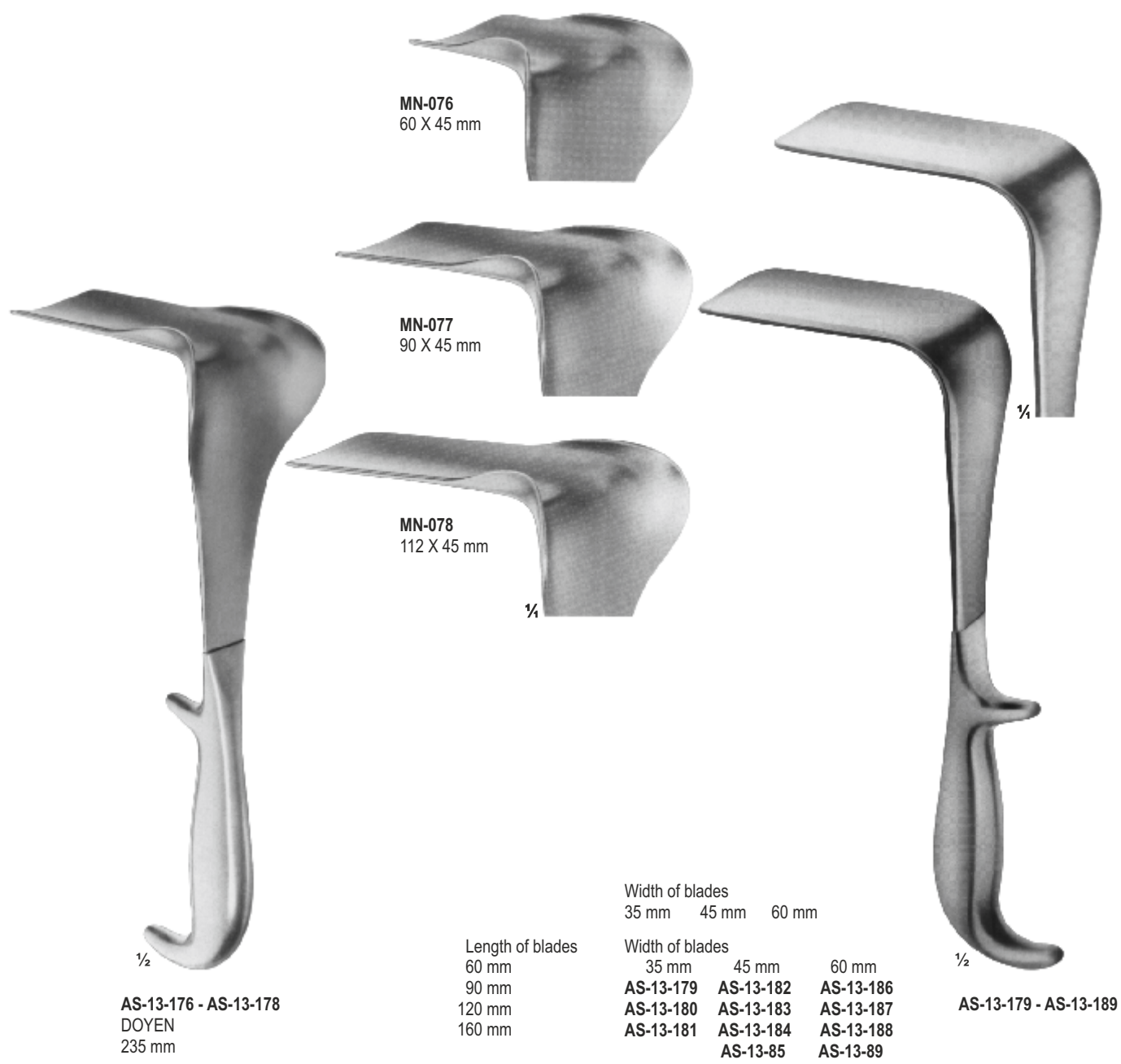
AS-13-174
MATHIEU
for children and
virgins fitting
210 mm

1/2



AS-13-175
Handle with cold light
carrier for upper blades
280 mm

1/2





1/2

AS-13-190 - AS-13-194
BREISKY
WIENER MODELL/
VIENNA PATTERN
AS-13-190 100 X 20 mm
AS-13-191 100 X 25 mm
AS-13-192 100 X 30 mm
AS-13-193 100 X 35 mm
AS-13-194 100 X 40 mm
300 mm



1/2

AS-13-195 - AS-13-199
BREISKY
WIENER MODELL/
VIENNA PATTERN
AS-13-195 130 X 20 mm
AS-13-196 130 X 25 mm
AS-13-197 130 X 30 mm
AS-13-198 130 X 35 mm
AS-13-199 130 X 40 mm
320 mm



1/2

AS-13-200
DOYEN
lateral speculum
80 x 30 mm
250 mm



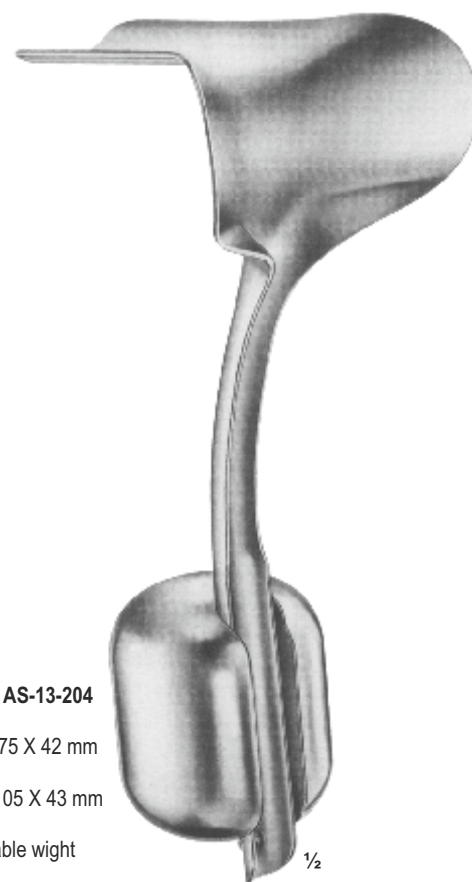
1/2

AS-13-201
SIMON
115 X 22 mm
275 mm



1/2

AS-13-202
AUVARD
65 X 38 mm - 28 mm
1,530 kg
with fixed weight
230 mm



1/2

AS-13-203 - AS-13-204
AUVARD
AS-13-203 75 X 42 mm
(40 mm)
AS-13-204 105 X 43 mm
(40 mm)
with detachable wight
230 mm

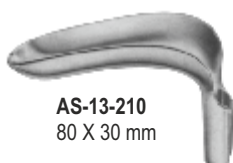
AS-13-205
80 X 30

AS-13-208
55 X 40 - 60 mm

AS-13-206
85 X 35

AS-13-209
70 X 45 - 70 mm

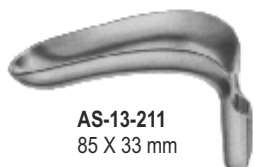
AS-13-207
85 X 40



AS-13-210
80 X 30 mm



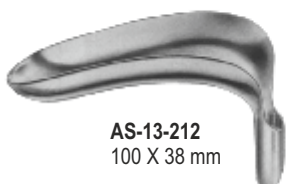
AS-13-214
65 X 30 mm



AS-13-211
85 X 33 mm



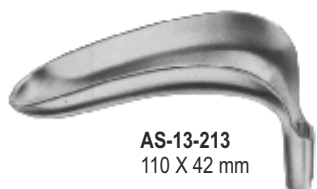
AS-13-215
75 X 35 mm



AS-13-212
100 X 38 mm



AS-13-216
85 X 35 mm



AS-13-213
110 X 42 mm



AS-13-217
95 X 35 mm

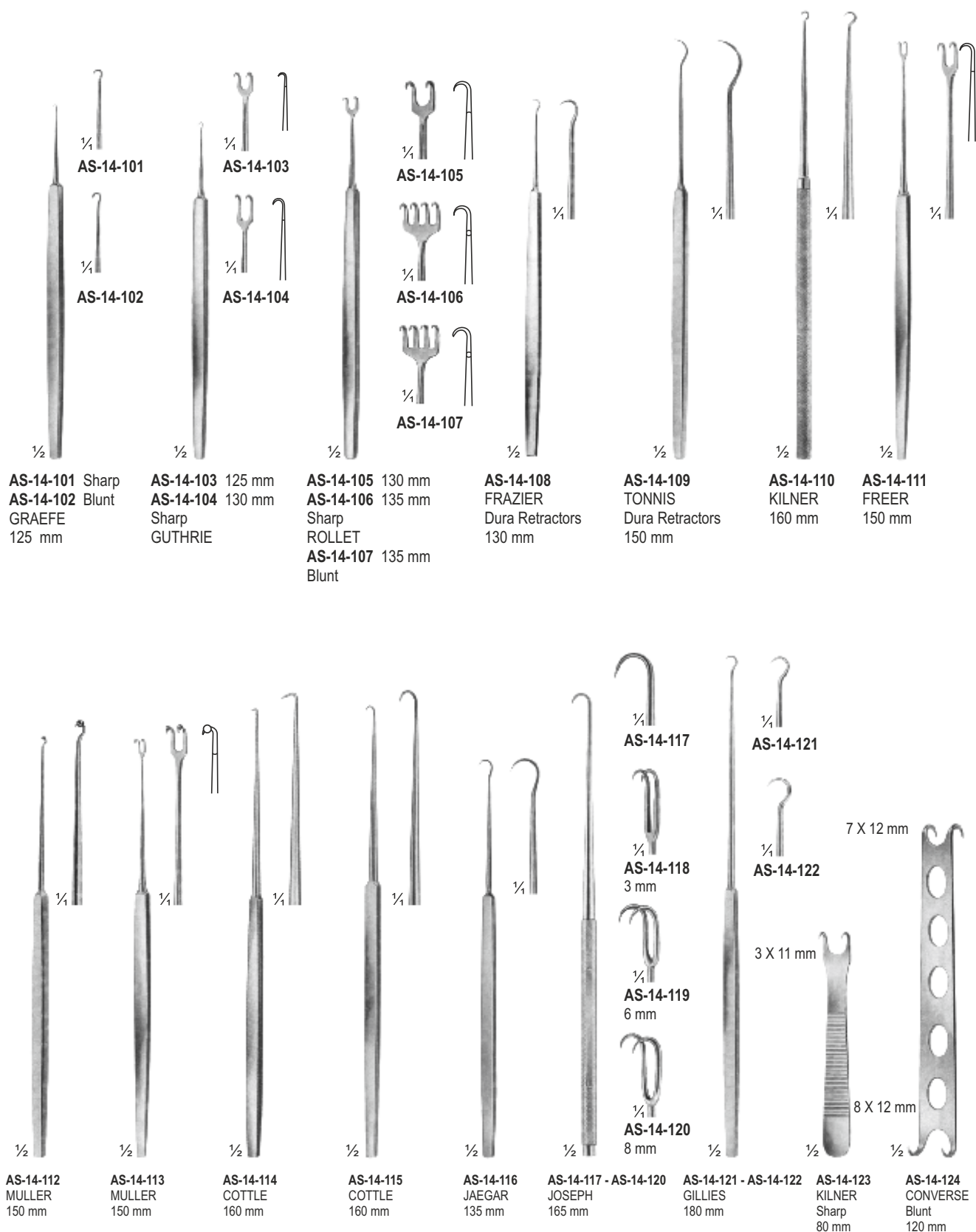
SCHERBACK
AS-13-210 - AS-13-217
Set consisting of:
2 handle
8 blades

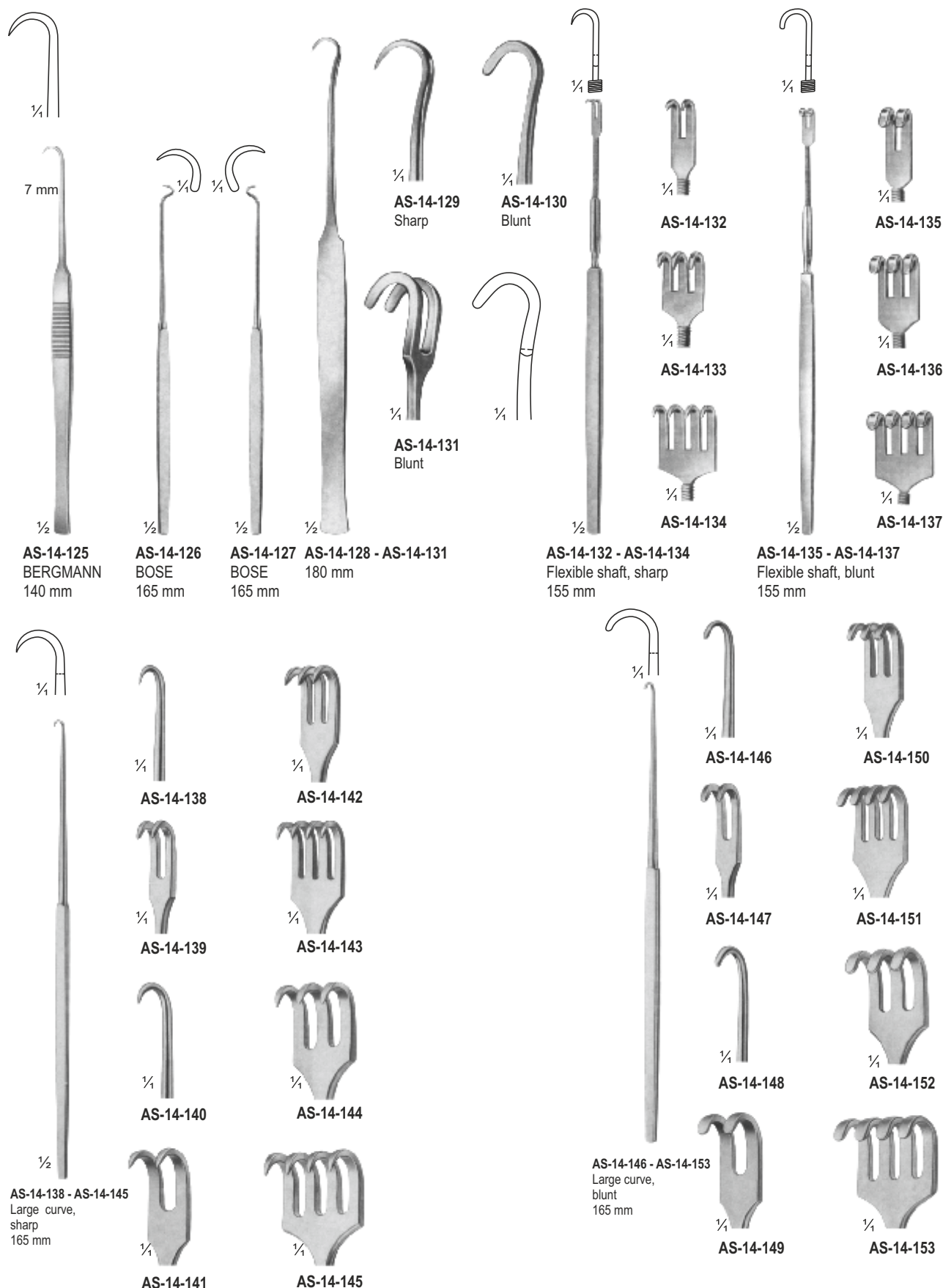


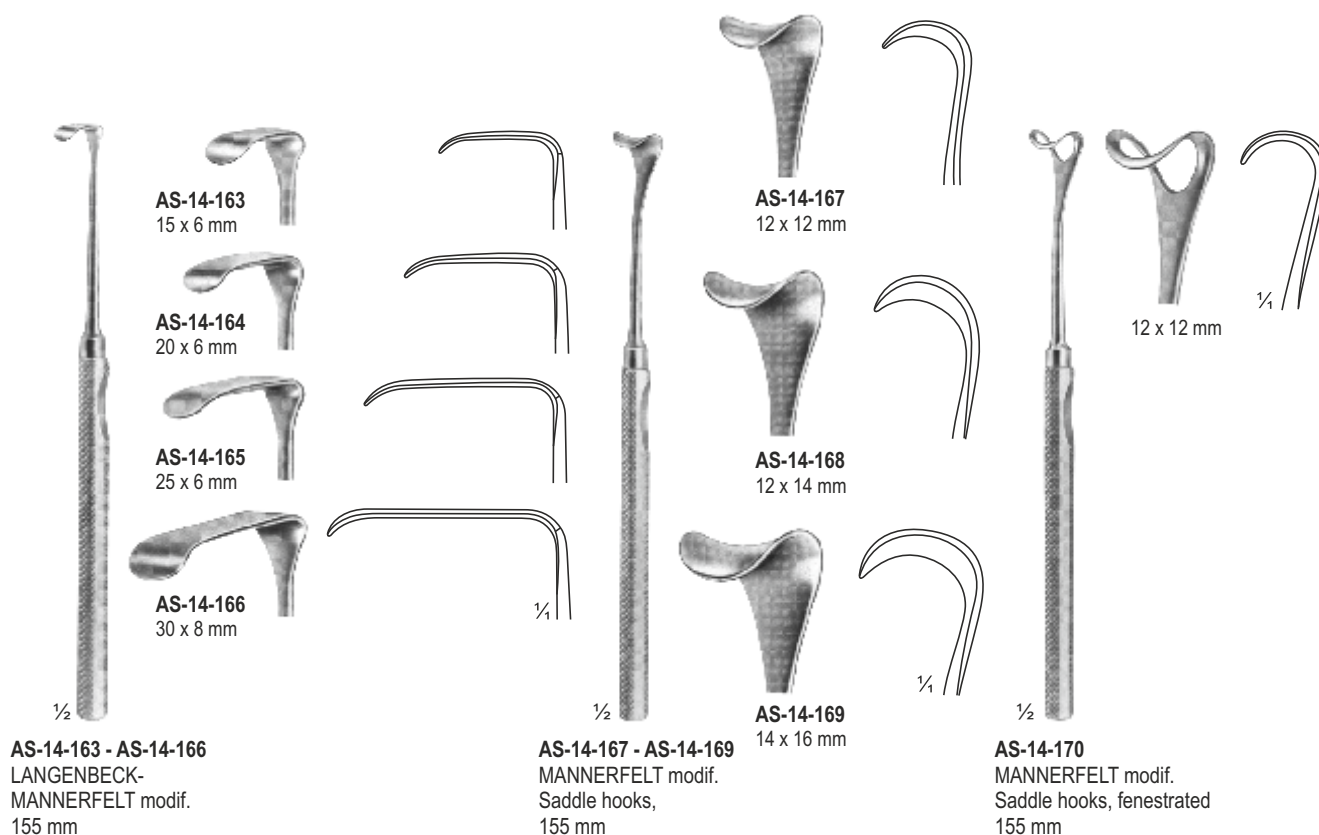
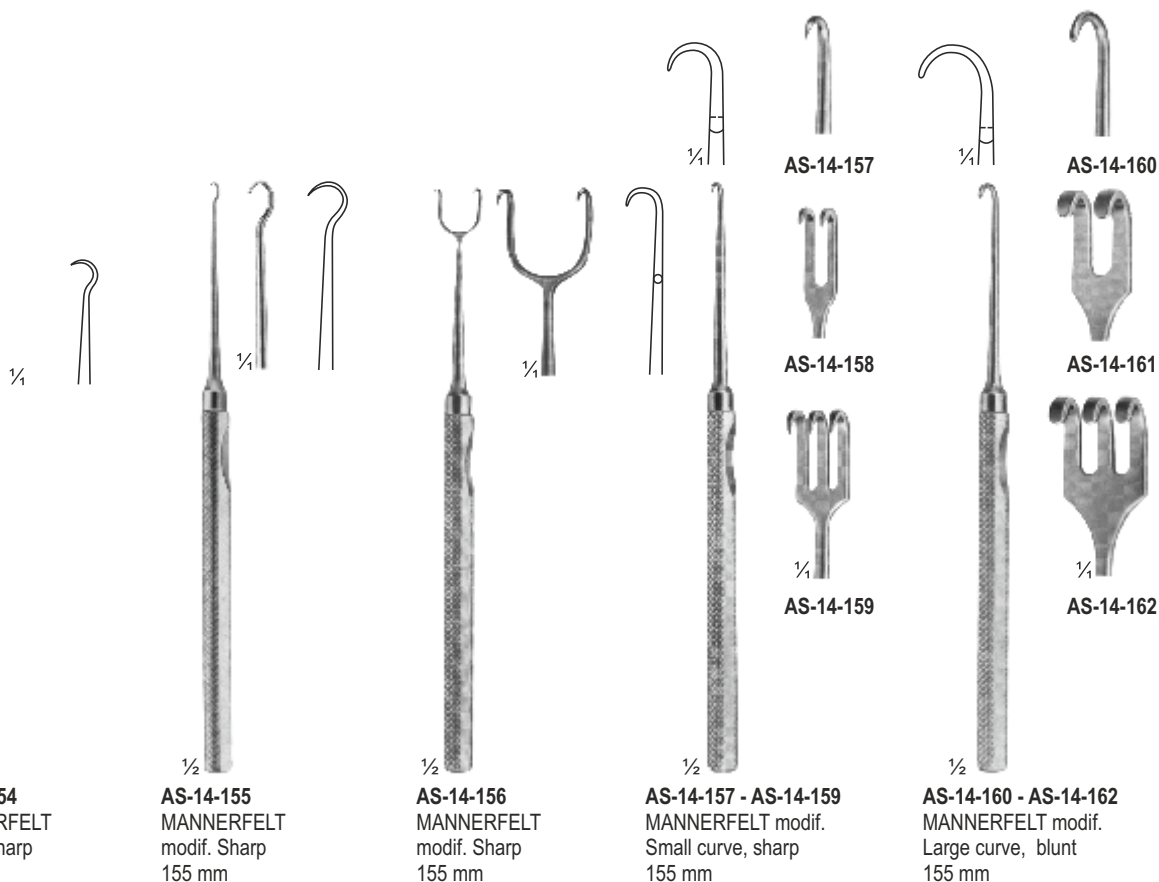


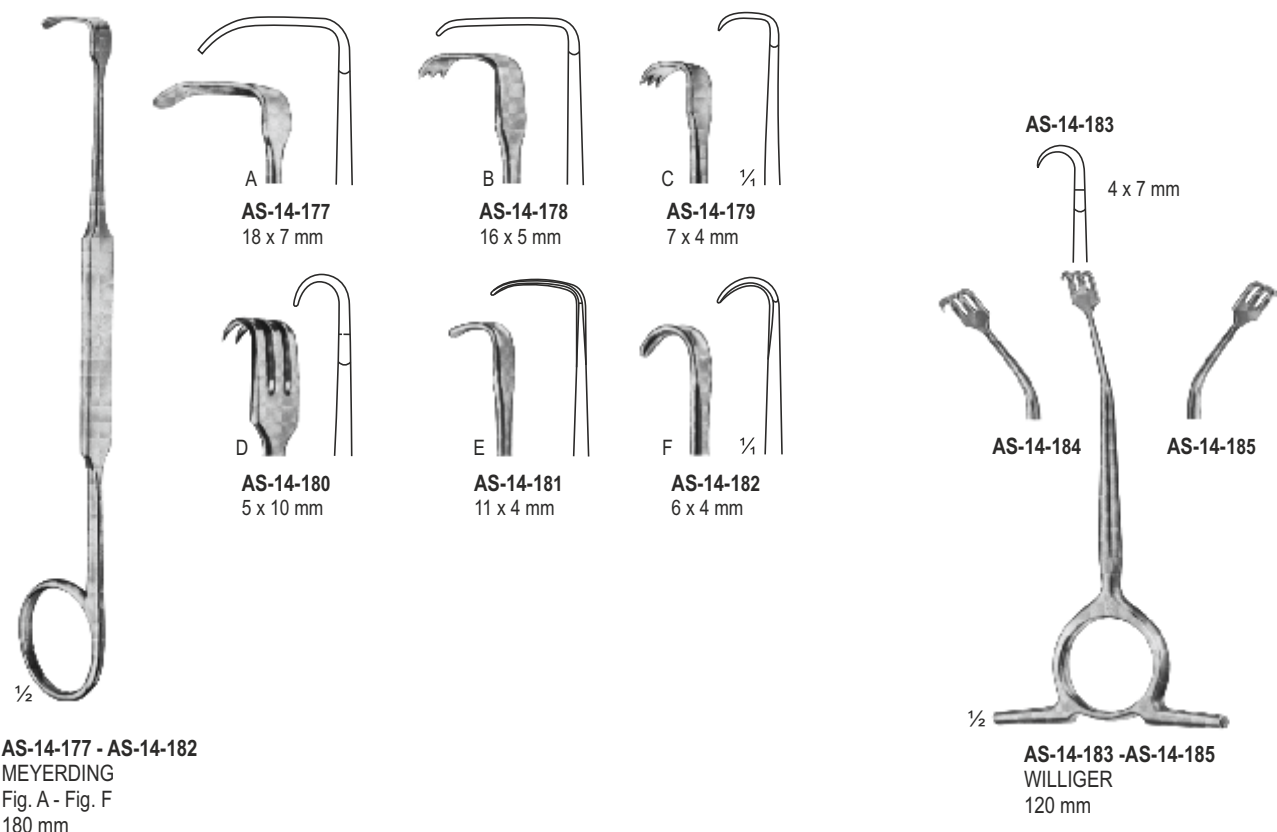
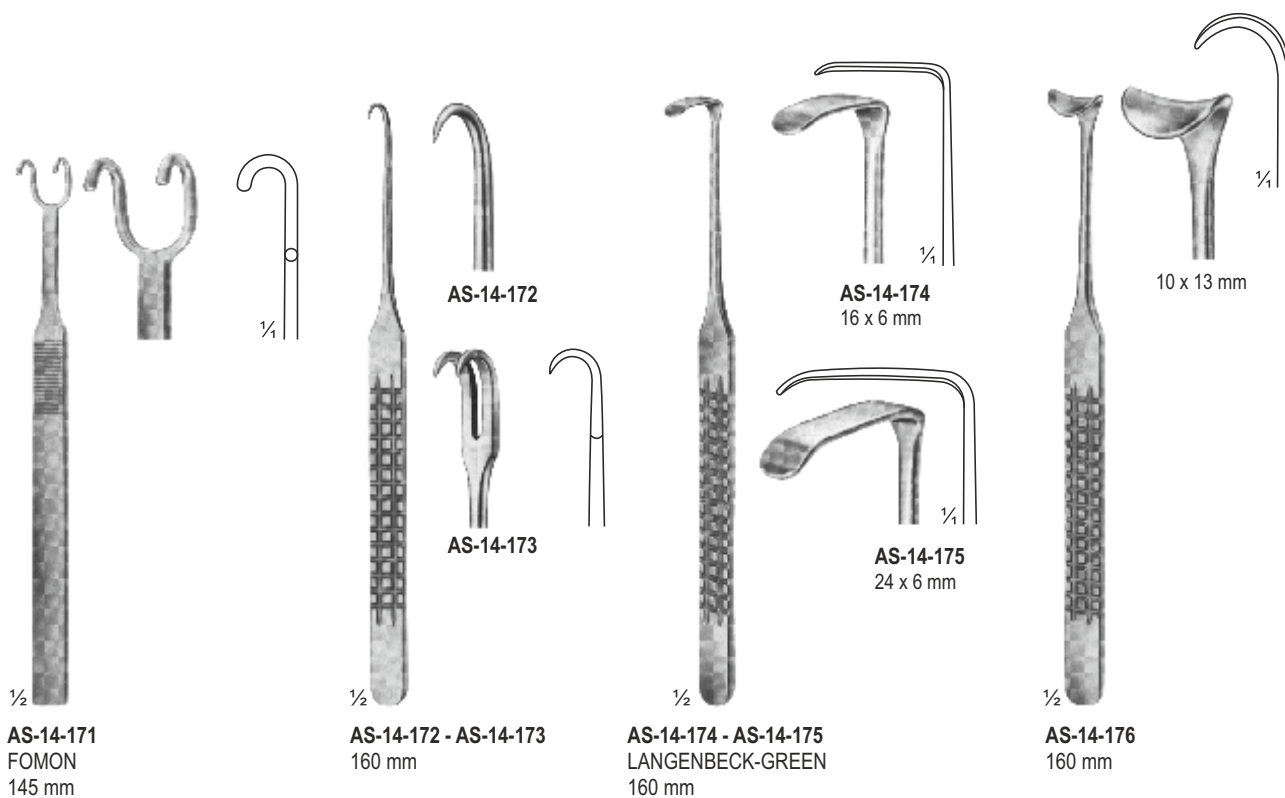
Page 254–288

- Wound Retractors



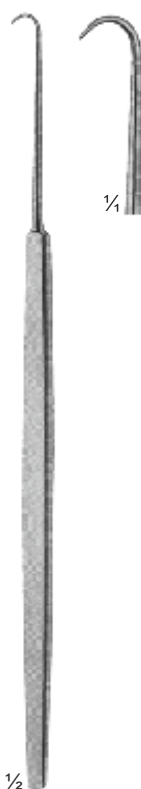




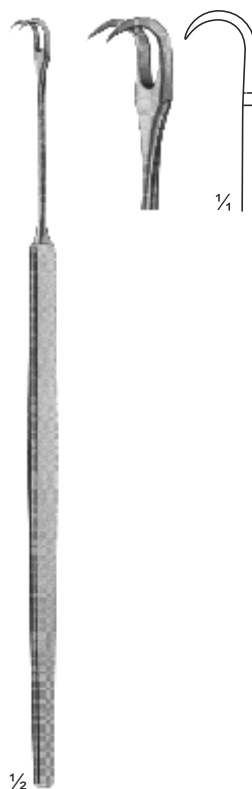




AS-14-186
EMMET
Fistula hook
220 mm



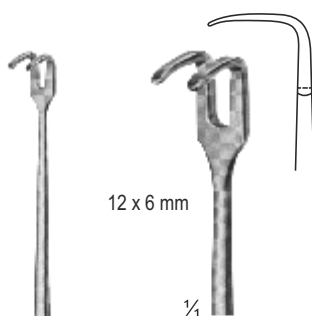
AS-14-187
SIMON
Fistula hook
220 mm



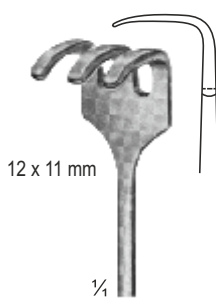
AS-14-188
SIMON
Fistula hook
220 mm



AS-14-189
LANGE
Fistula hook
230 mm

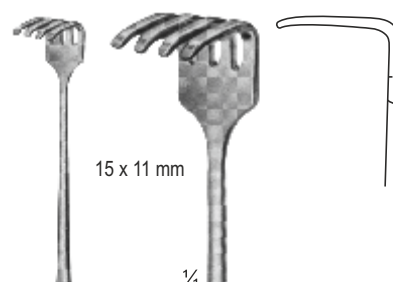


AS-14-190

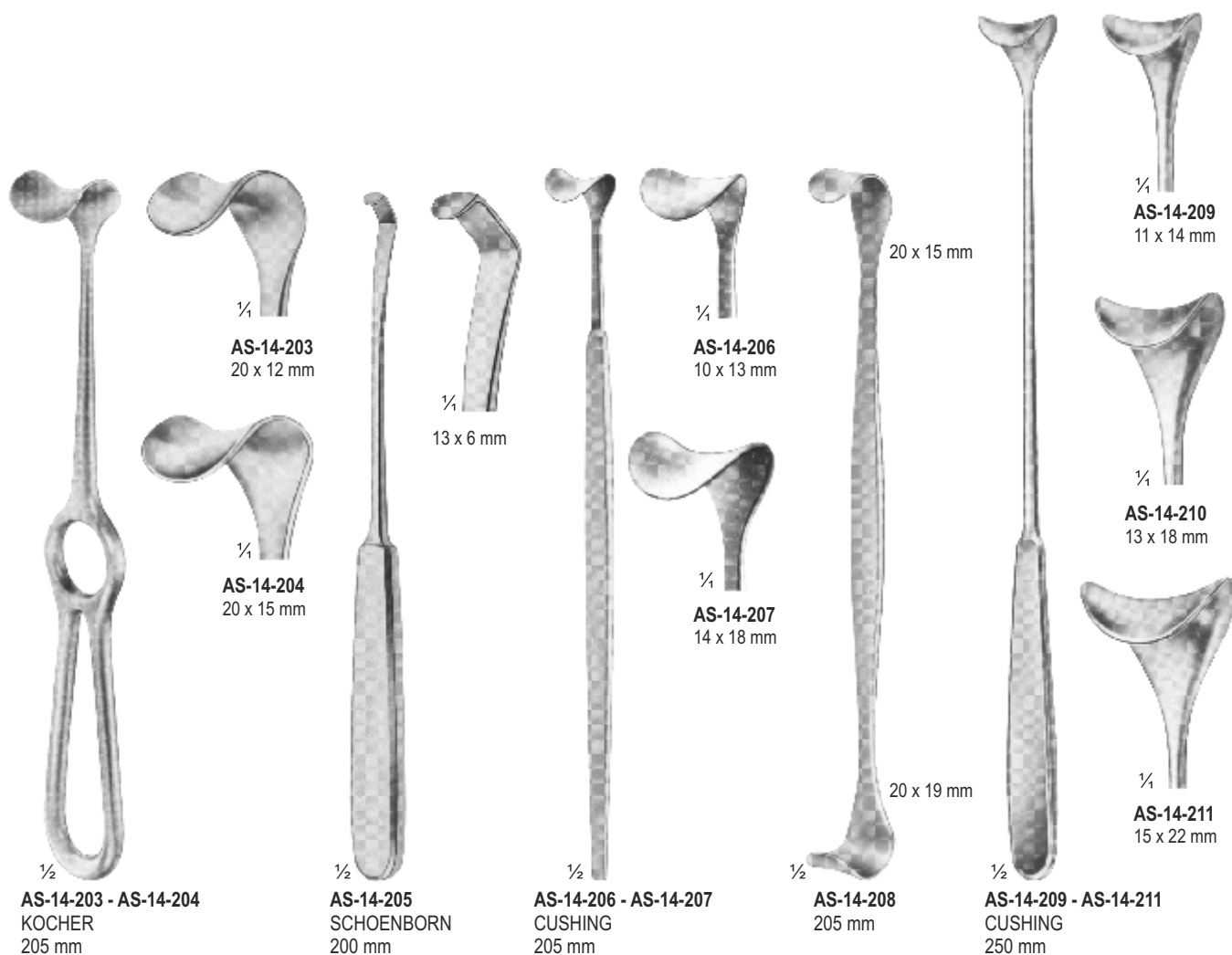
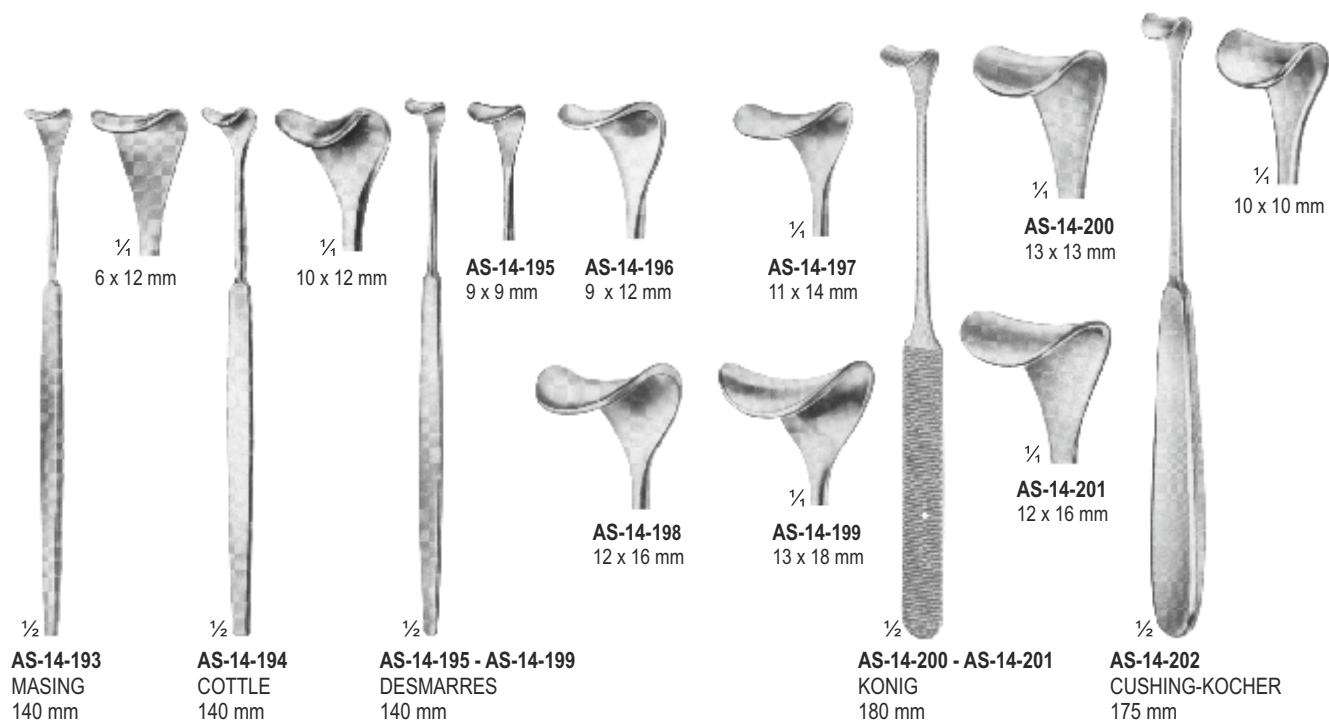


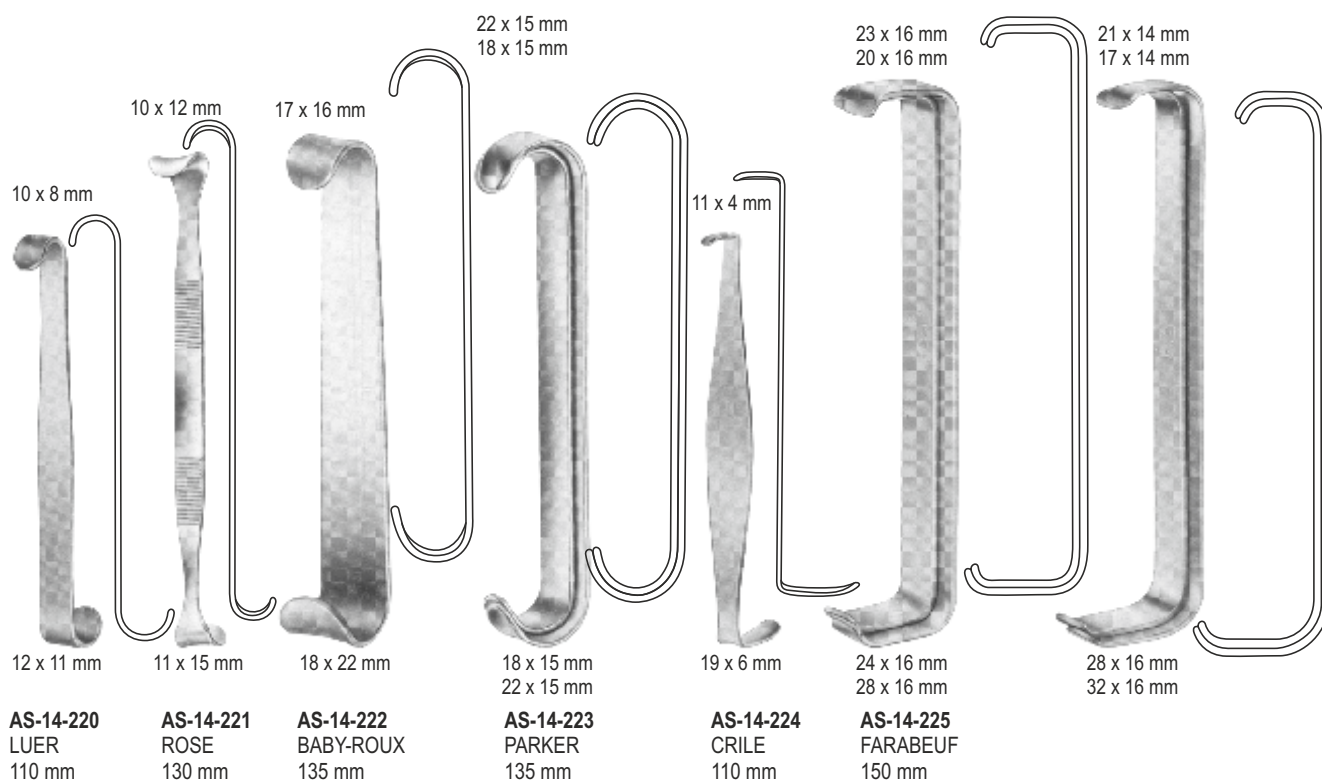
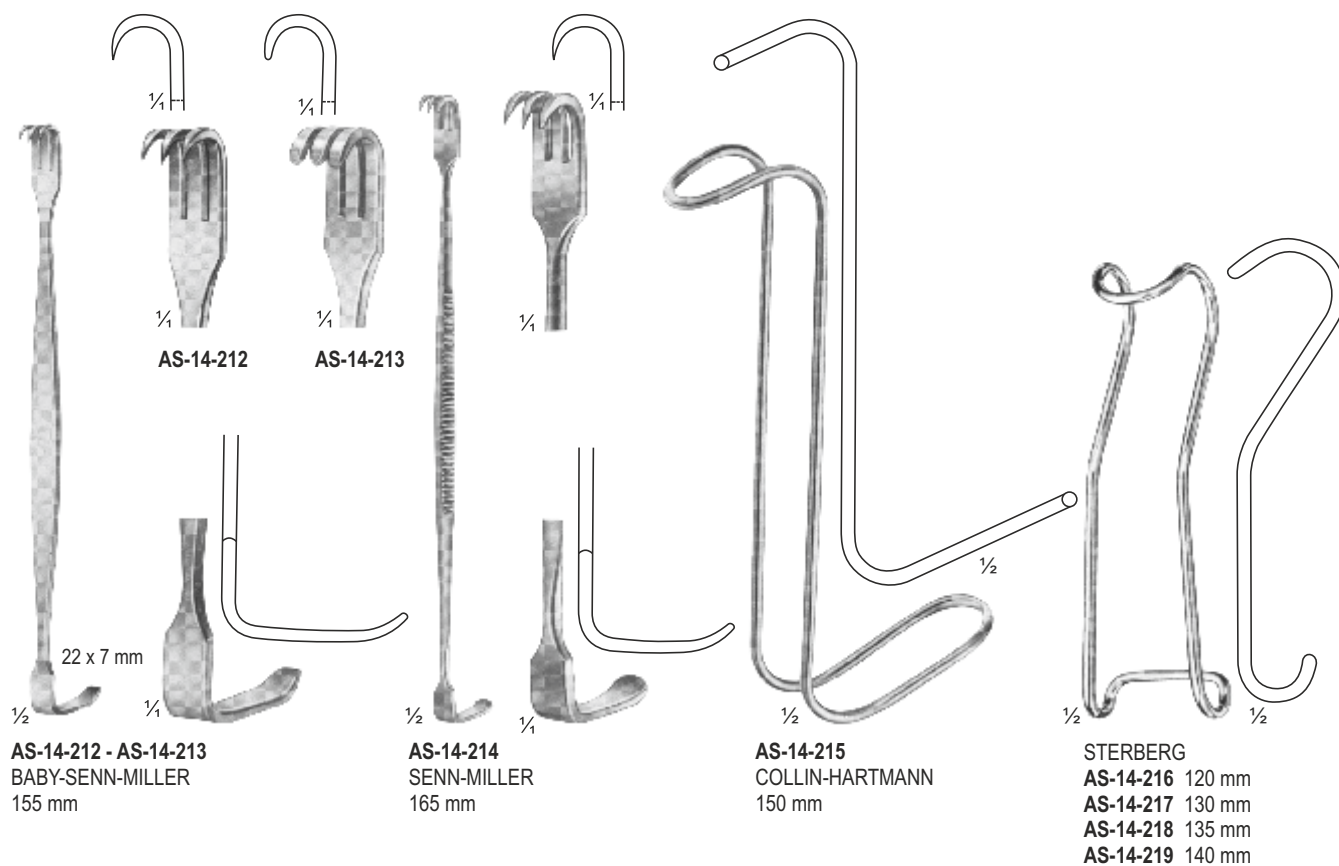
AS-14-191

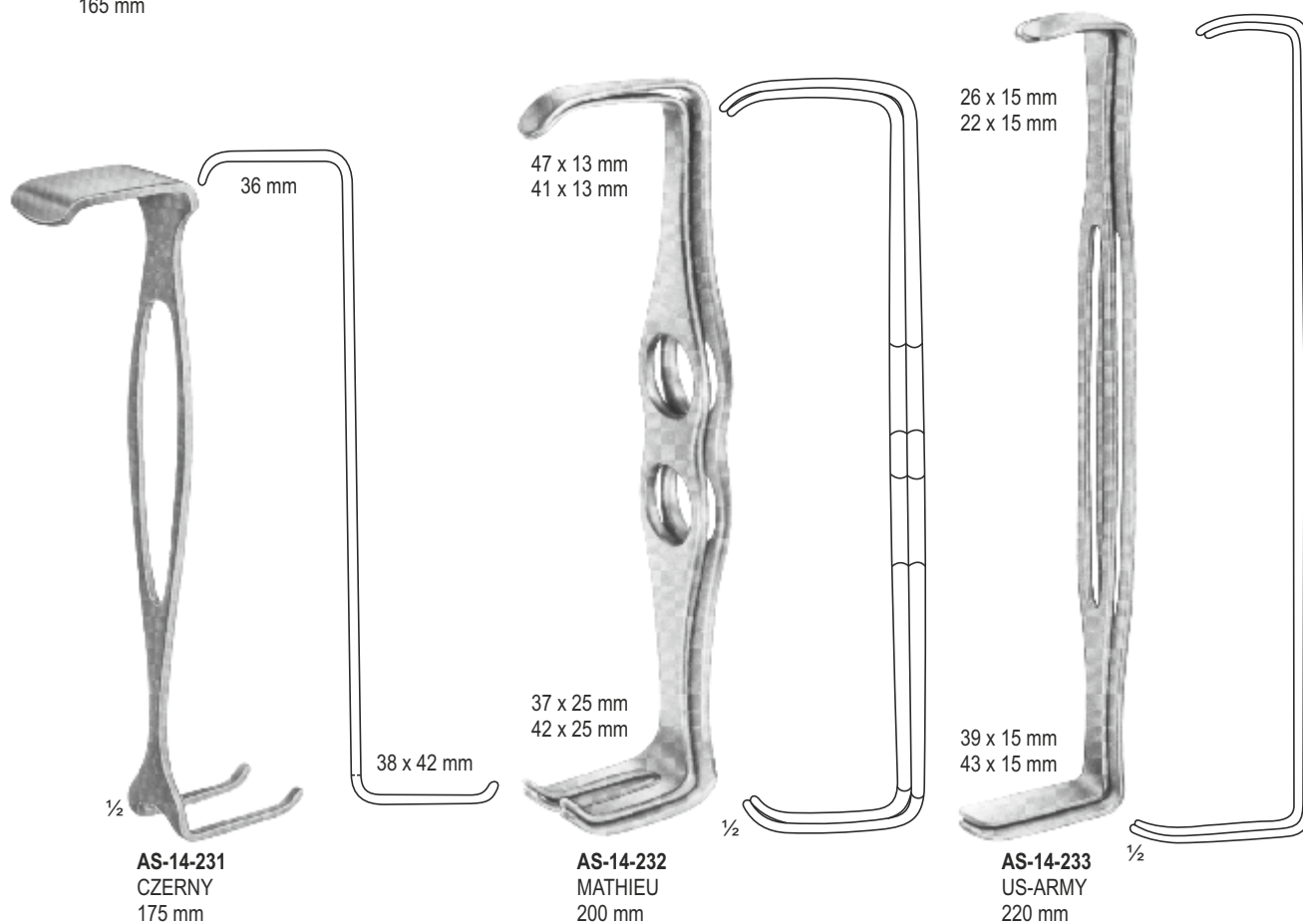
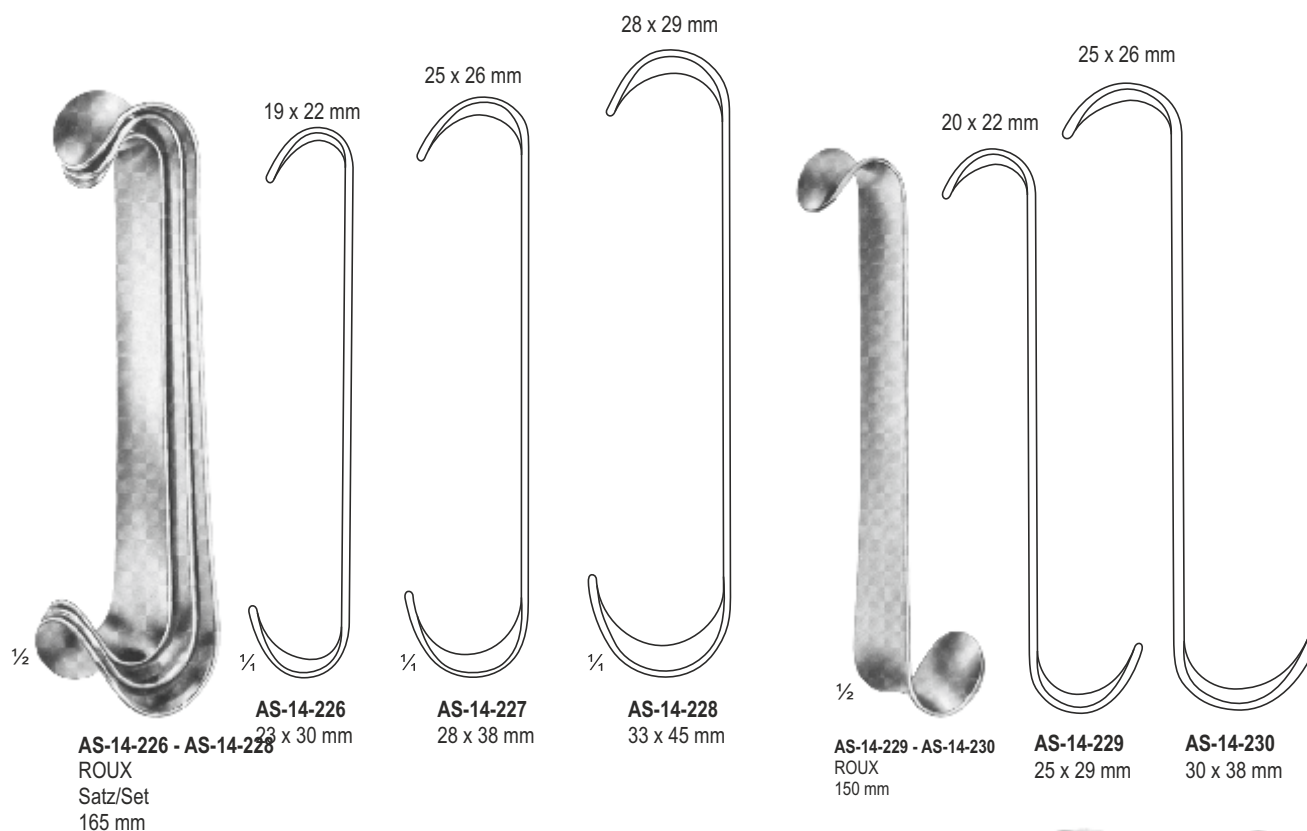
AS-14-190 - AS-14-191
Tendon hooks
175 mm



AS-14-192
KLAPP
Tendon hooks
175 mm









AS-14-234
KOCHER
Sharp
205 mm



AS-14-235
KOCHER
Sharp
220 mm



AS-14-236
KOCHER
Blunt
220 mm



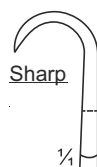
AS-14-237
VOLKMANN
Sharp
220 mm



AS-14-238
VOLKMANN
Sharp
220 mm



AS-14-239 - AS-14-246
VOLKMANN
225 mm



AS-14-239
9 x 8 mm



AS-14-240
9 x 13 mm



AS-14-241
9 x 19 mm



AS-14-242
9 x 29 mm



AS-14-243
8,5 x 8 mm



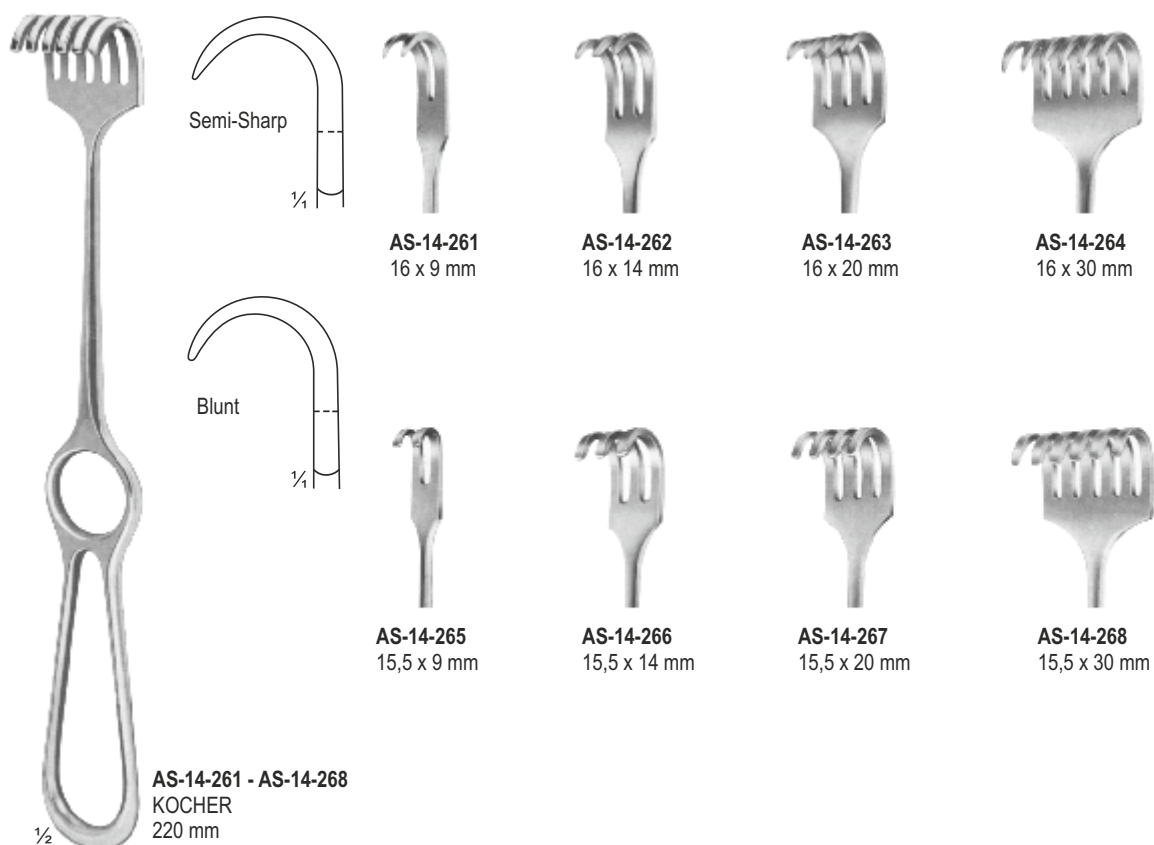
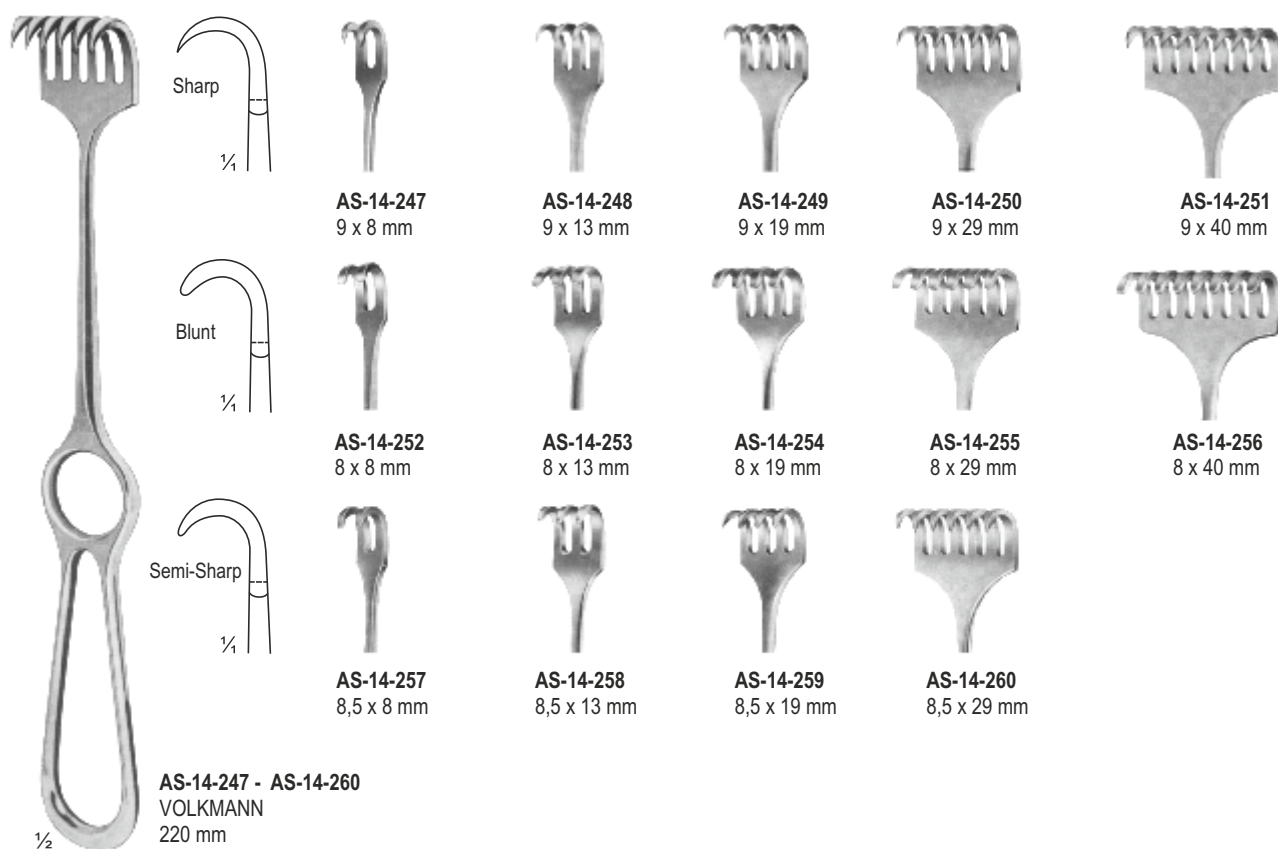
AS-14-244
8,5 x 13 mm



AS-14-245
8,5 x 19 mm



AS-14-246
8,5 x 29 mm





AS-14-268 - AS-14-270
KORTE
240 mm



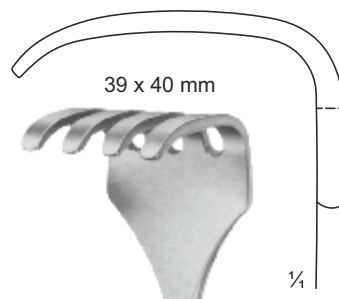
AS-14-269
8 Prongs, blunt



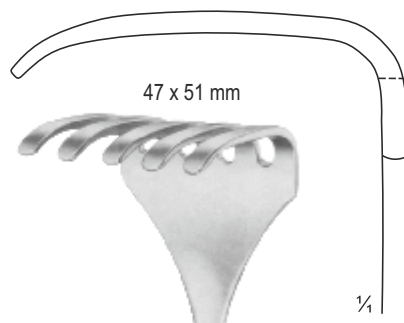
AS-14-270
8 Prongs, sharp



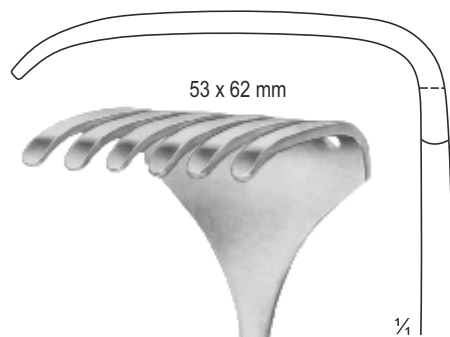
AS-14-271 - AS-14-274
ISRAEL
255 mm



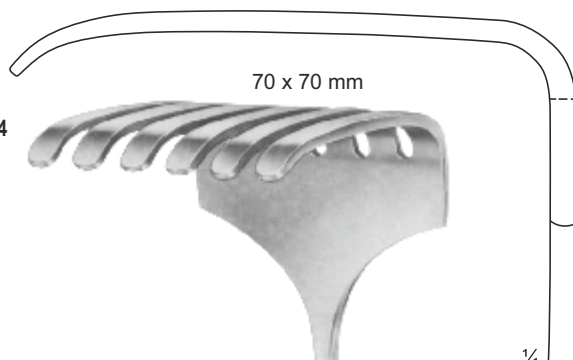
AS-14-271
4 Prongs, blunt



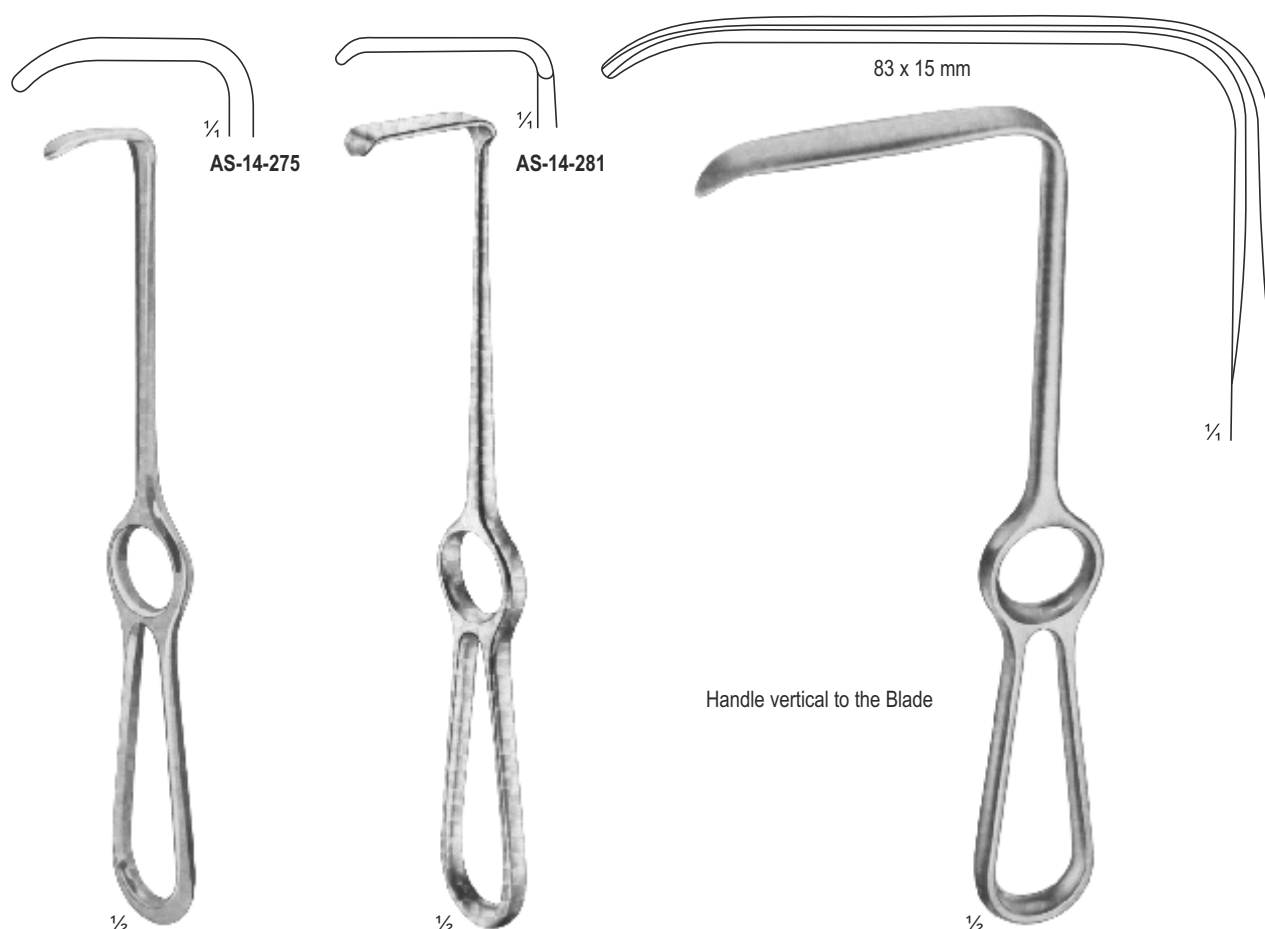
AS-14-272
5 Prongs, blunt



AS-14-273
6 Prongs, blunt



AS-14-274
6 Prongs, blunt



AS-14-275 - AS-14-280
LANGENBECK
210 mm

AS-14-275	28 x 10 mm
AS-14-276	28 x 14 mm
AS-14-277	33 x 14 mm
AS-14-278	28 x 16 mm
AS-14-279	40 x 10 mm
AS-14-280	40 x 13 mm

AS-14-281 - AS-14-287
KOCHER-LANGENBECK
215 mm

AS-14-281	25 x 6 mm
AS-14-282	35 x 8 mm
AS-14-283	35 x 11 mm
AS-14-284	35 x 15 mm
AS-14-285	41 x 11 mm
AS-14-286	55 x 11 mm
AS-14-287	70 x 14 mm

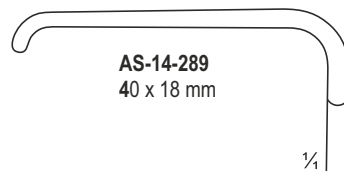
AS-14-288
LANGENBECK
215 mm



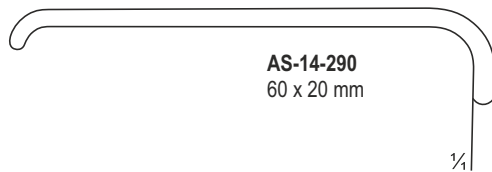
AS-14-289 - AS-14-293
KOCHER
230 mm



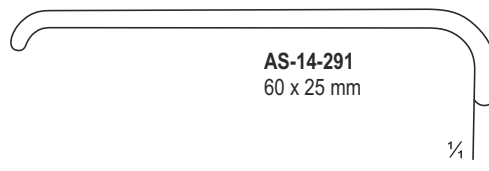
AS-14-294 - AS-14-296
SAUERBRUCH
225 mm



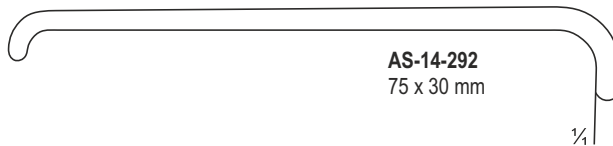
AS-14-289
40 x 18 mm



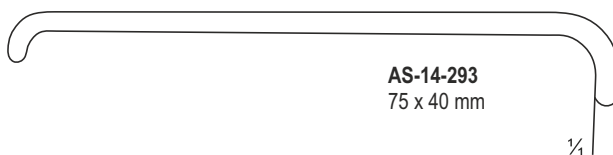
AS-14-290
60 x 20 mm



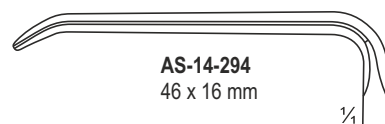
AS-14-291
60 x 25 mm



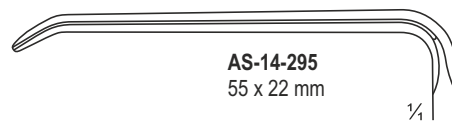
AS-14-292
75 x 30 mm



AS-14-293
75 x 40 mm



AS-14-294
46 x 16 mm



AS-14-295
55 x 22 mm



AS-14-296
72 x 19 mm



AS-14-297-AS-14-299
MIDDELDORPF



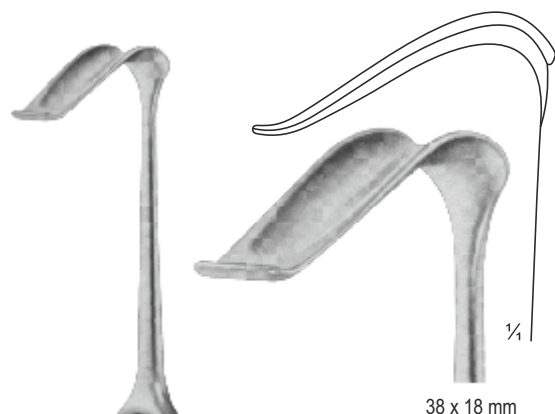
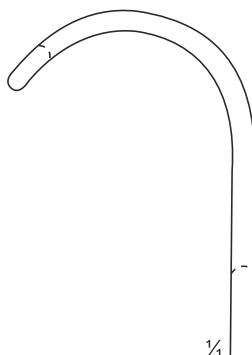
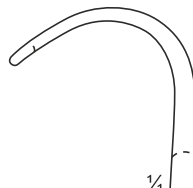
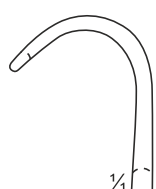
AS-14-297
15 x 15 mm
220 mm



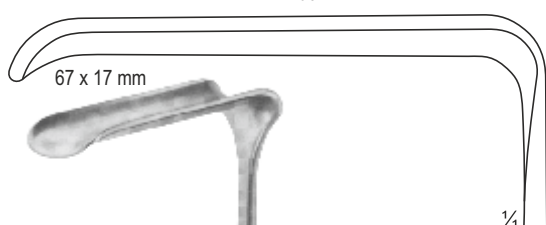
AS-14-298
20 x 22 mm
215 mm



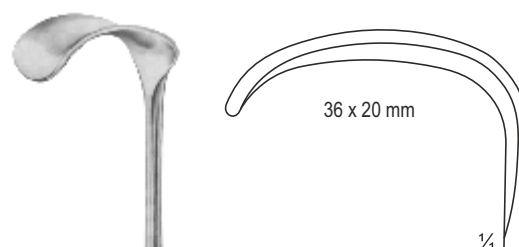
AS-14-299
28 x 28 mm
235 mm



AS-14-300
BUCHS
205 mm



AS-14-301
CASPAR
210 mm

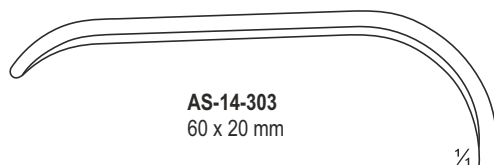


AS-14-302
KOCHER
230 mm



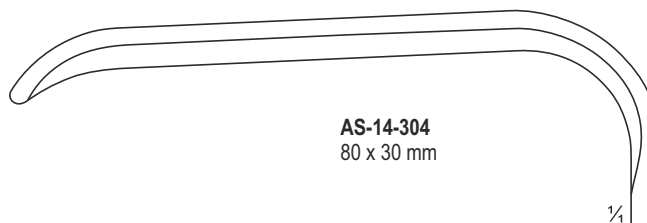
1/2

AS-14-303 - AS-14-308
HOSEL
250 mm



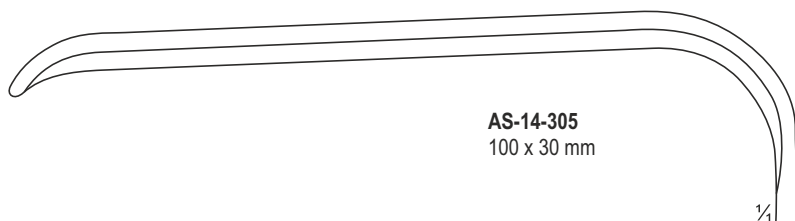
AS-14-303
60 x 20 mm

1/4



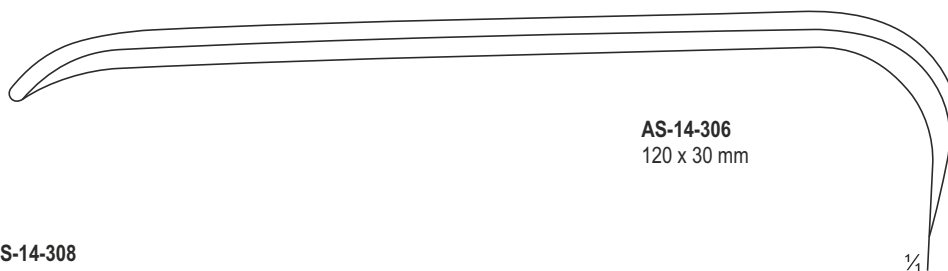
AS-14-304
80 x 30 mm

1/4



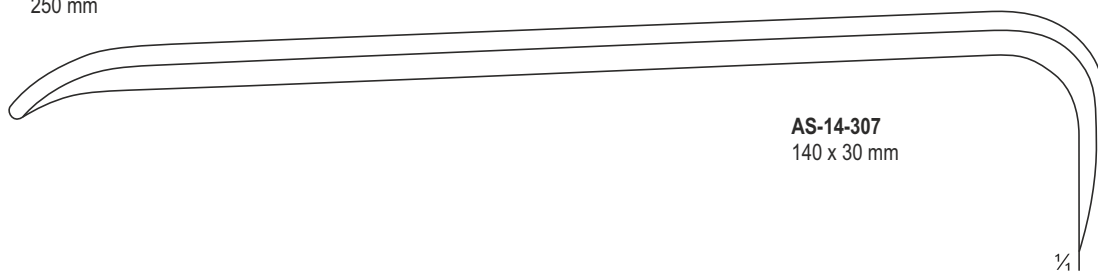
AS-14-305
100 x 30 mm

1/4



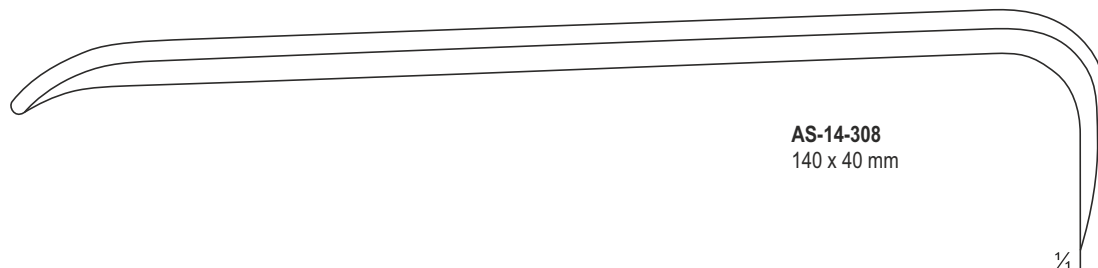
AS-14-306
120 x 30 mm

1/4



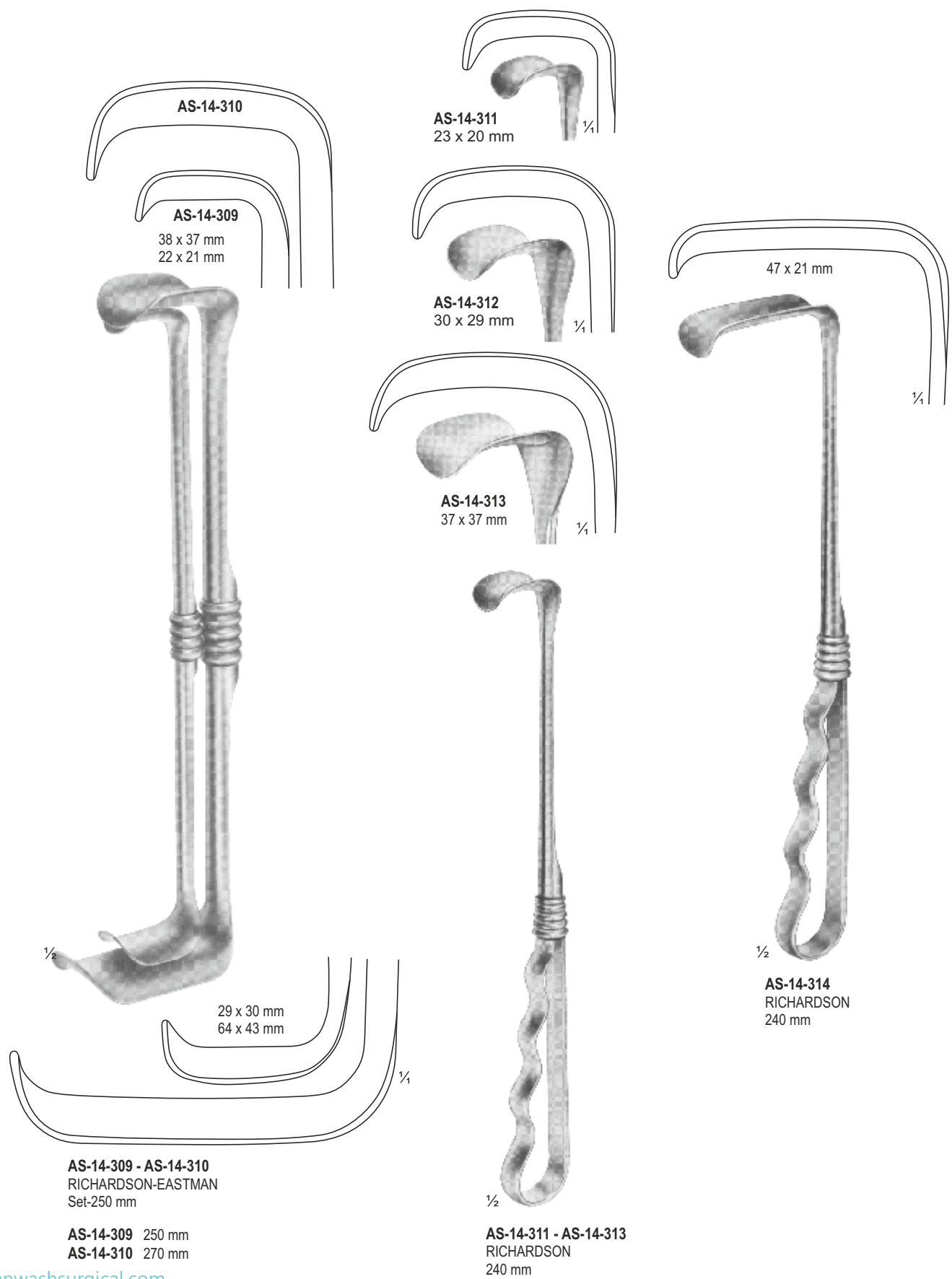
AS-14-307
140 x 30 mm

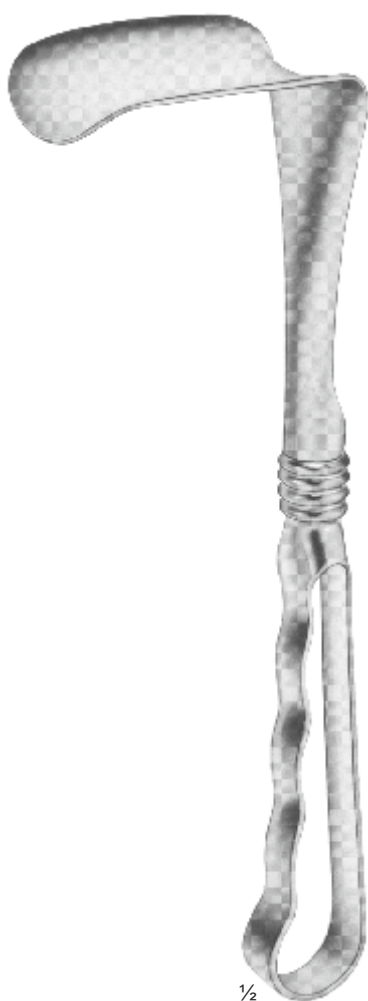
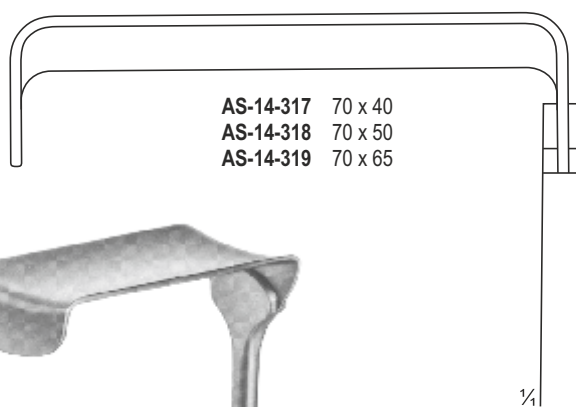
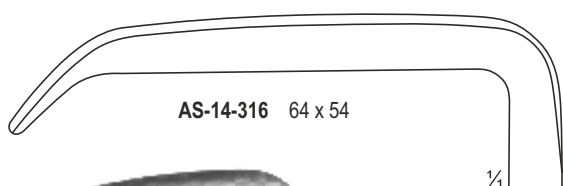
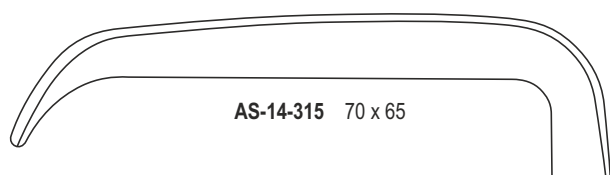
1/4



AS-14-308
140 x 40 mm

1/4

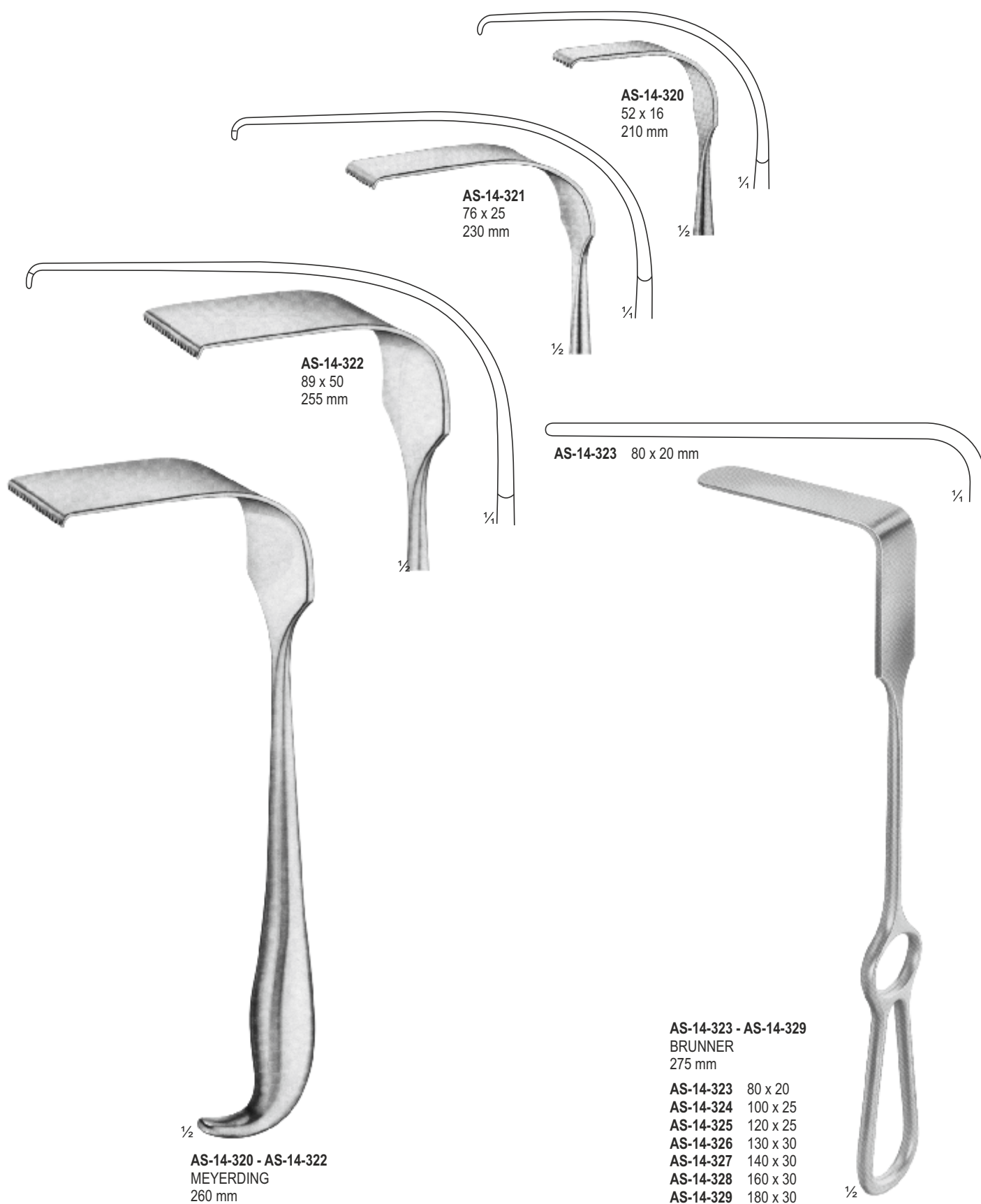




AS-14-315 - AS-14-316
KELLY
260 mm

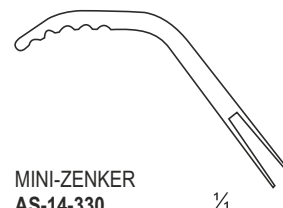


AS-14-317 - AS-14-319
MORRIS
245 mm

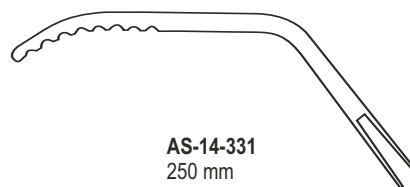




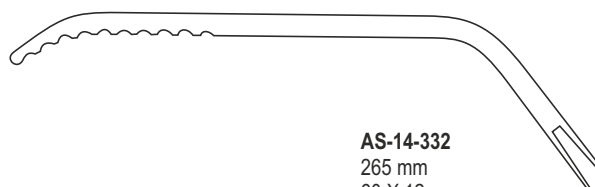
ZENKER
AS-14-330 - AS-14-335



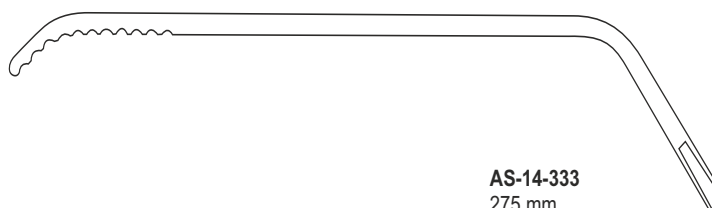
MINI-ZENKER
AS-14-330
180 mm
10 X 3 mm



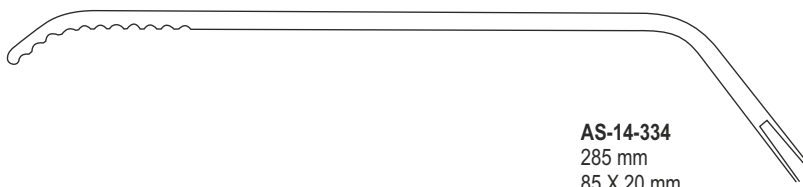
AS-14-331
250 mm
35 X 8 mm



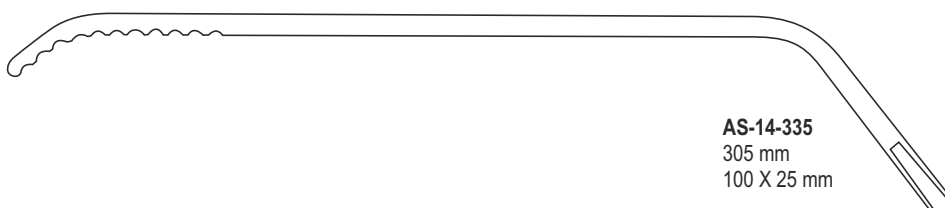
AS-14-332
265 mm
60 X 12 mm



AS-14-333
275 mm
75 X 12 mm



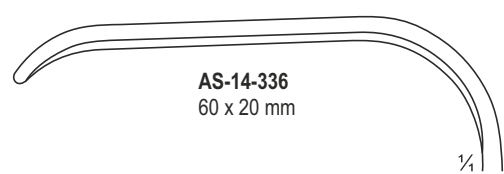
AS-14-334
285 mm
85 X 20 mm



AS-14-335
305 mm
100 X 25 mm

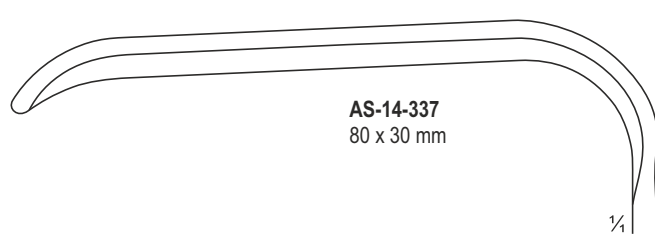


HOSEL
AS-14-336 - AS-14-341
250 mm



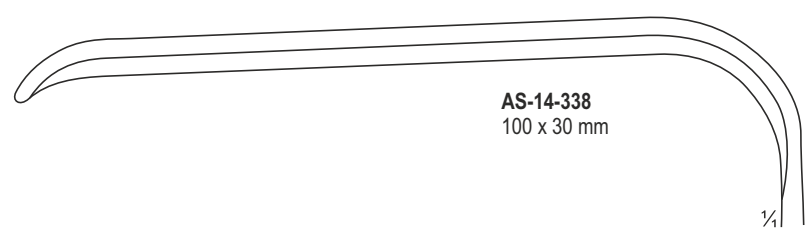
AS-14-336
60 x 20 mm

1/4



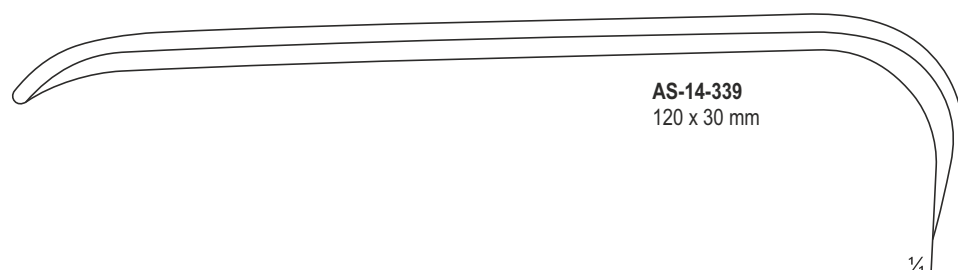
AS-14-337
80 x 30 mm

1/4



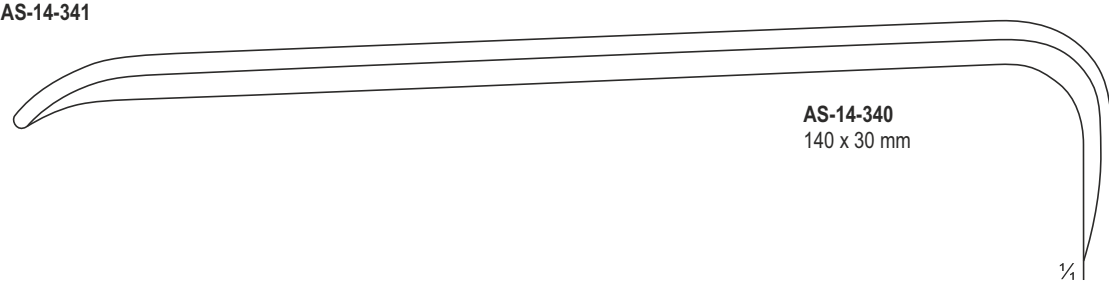
AS-14-338
100 x 30 mm

1/4



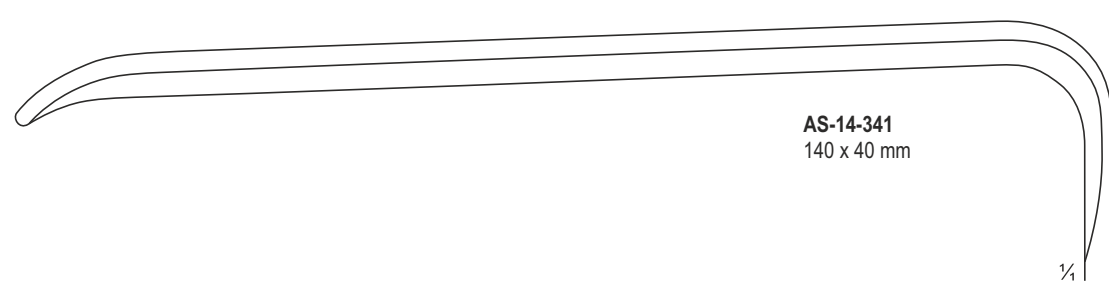
AS-14-339
120 x 30 mm

1/4



AS-14-340
140 x 30 mm

1/4



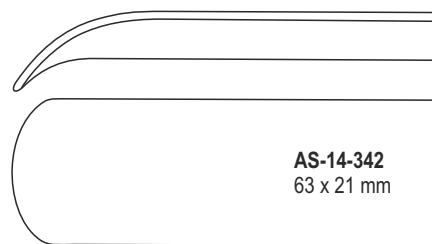
AS-14-341
140 x 40 mm

1/4



HÖSEL
AS-14-342 - AS-14-347
260 mm

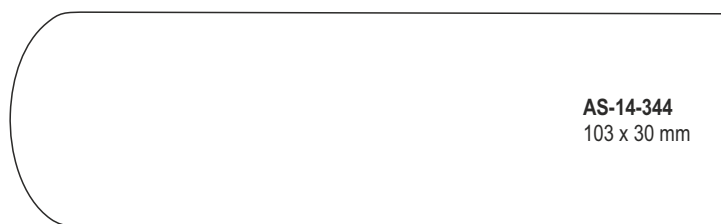
1/2



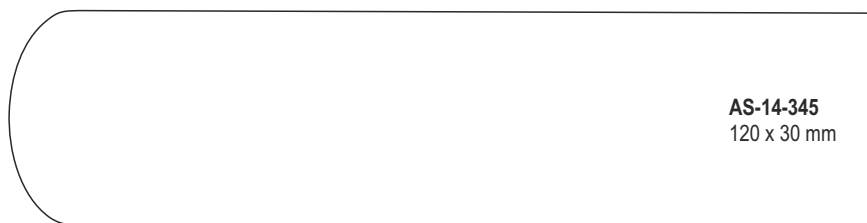
AS-14-342
63 x 21 mm



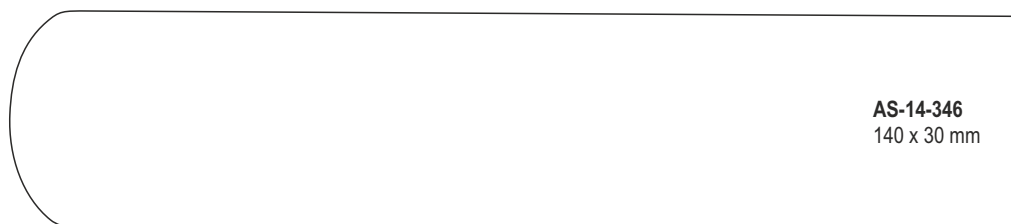
AS-14-343
83 x 30 mm



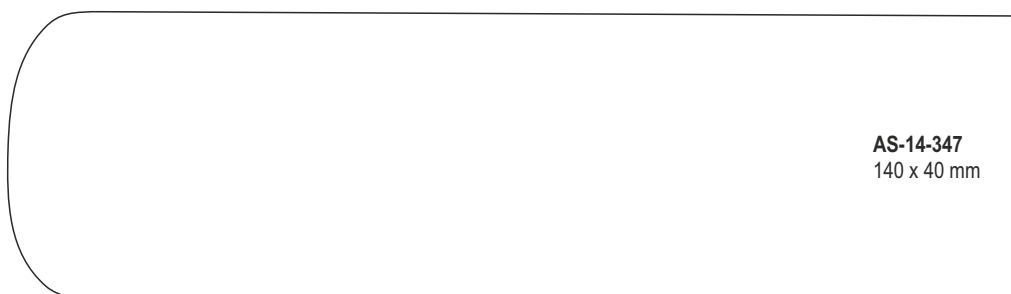
AS-14-344
103 x 30 mm



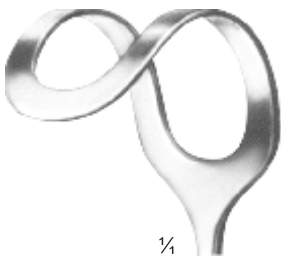
AS-14-345
120 x 30 mm



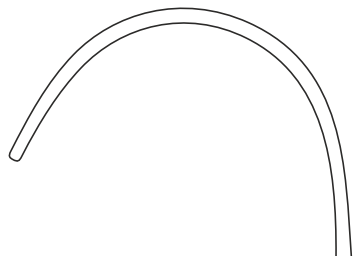
AS-14-346
140 x 30 mm



AS-14-347
140 x 40 mm



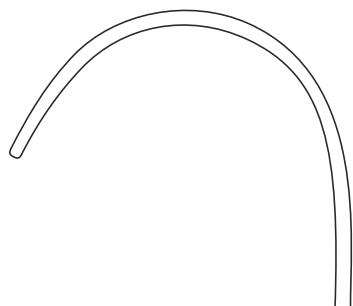
AS-14-348
270 mm
43 X 45 mm



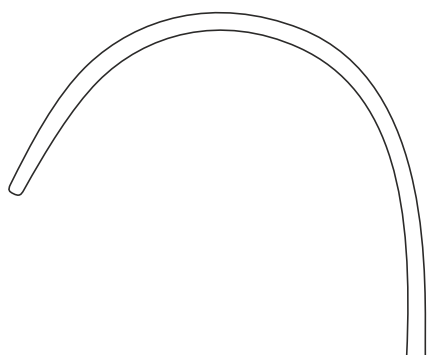
MIDDELDORPF
AS-14-348 - AS-14-350

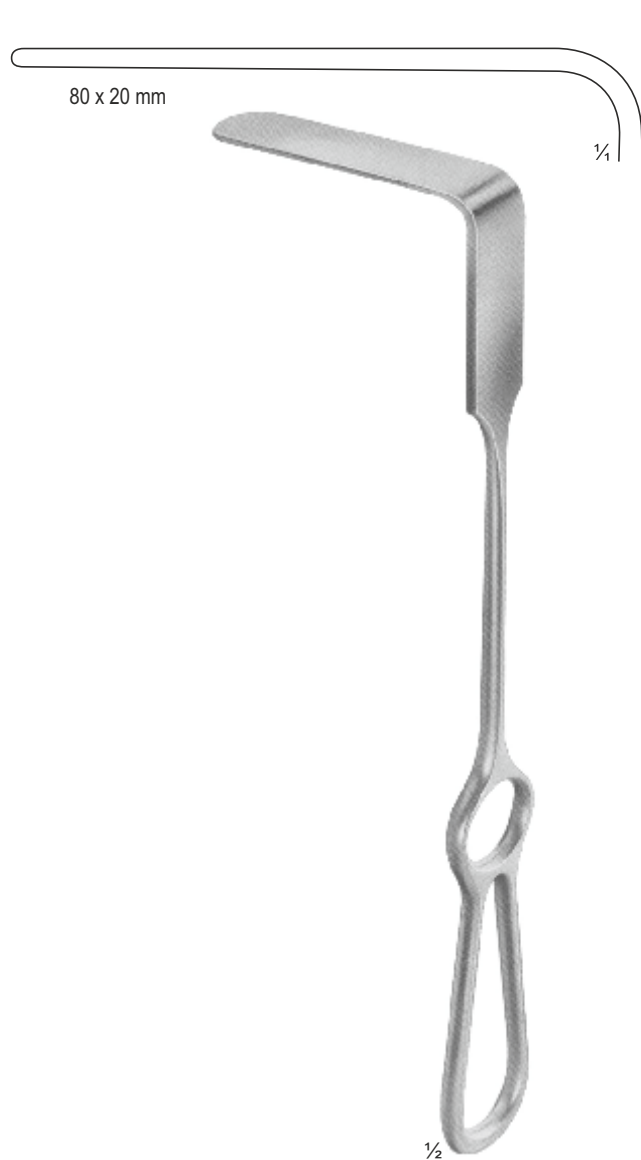


AS-14-349
270 mm
52 X 50 mm



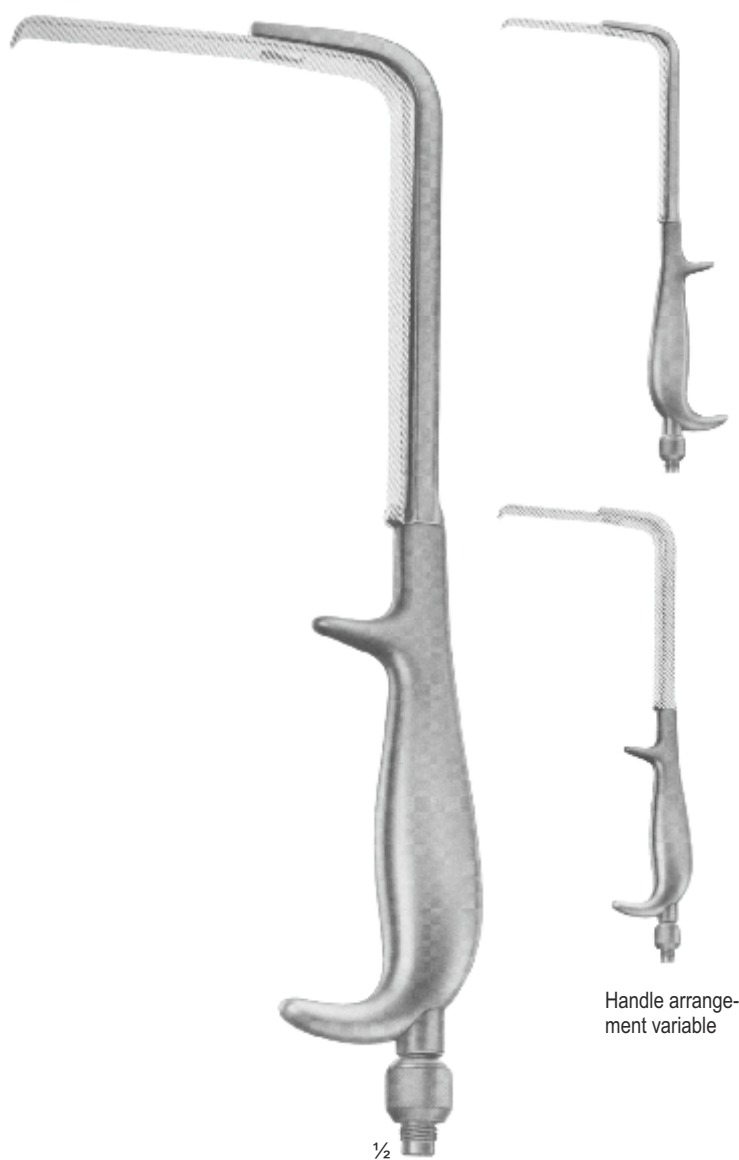
AS-14-350
280 mm
52 X 70 mm





BRUNNER
AS-14-351 - AS-14-357
275 mm

AS-14-351	80 x 20
AS-14-352	100 x 25
AS-14-353	120 x 25
AS-14-354	130 x 30
AS-14-355	140 x 30
AS-14-356	160 x 30
AS-14-357	180 x 30



AS-14-358
Handle with cold
light carrier for
retractor blades.
280 mm

Handle arrange-
ment variable

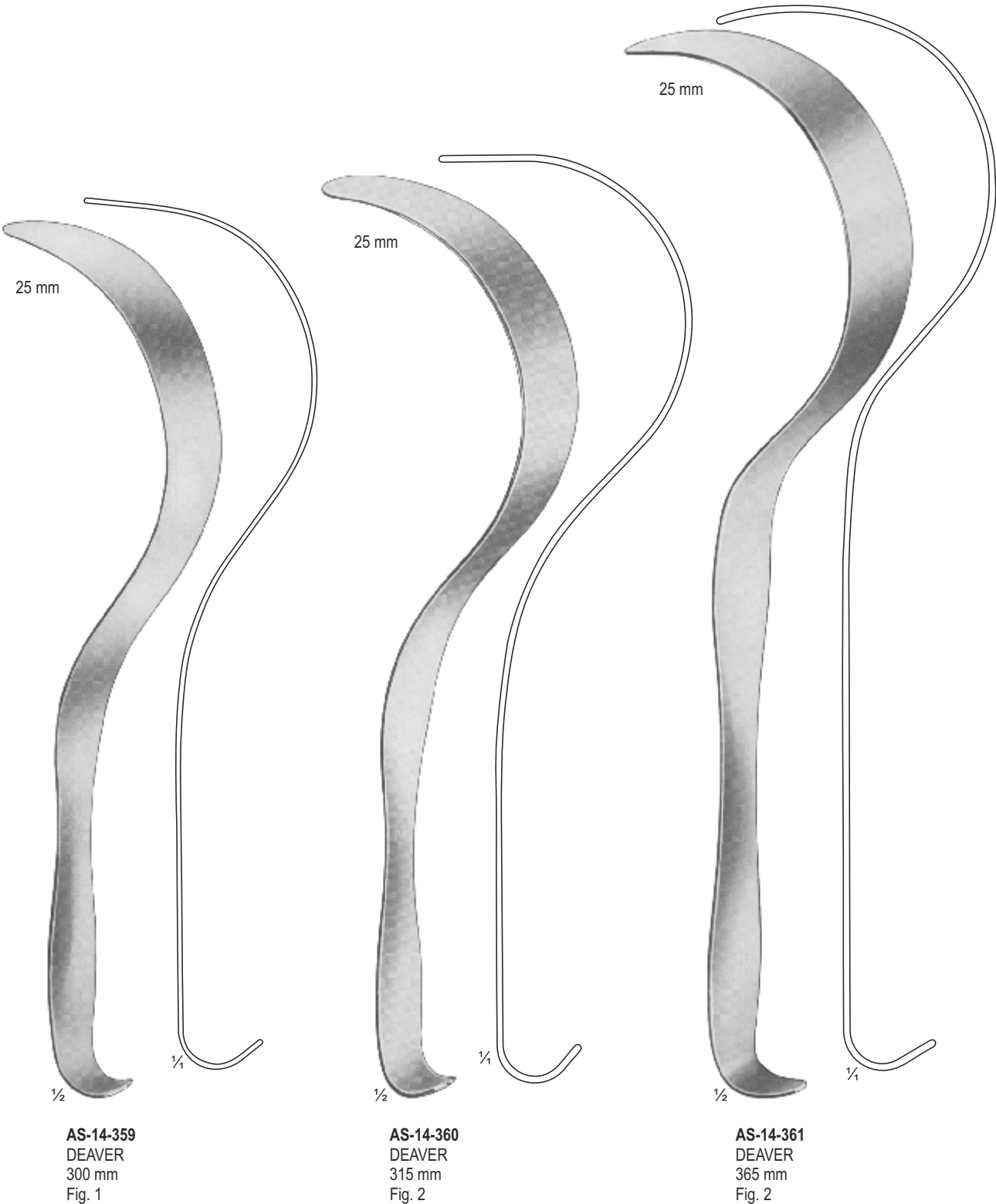




Fig. 3
DEAYER
AS-14-362
300 mm



Fig. 4
DEAYER
AS-14-363
310 mm

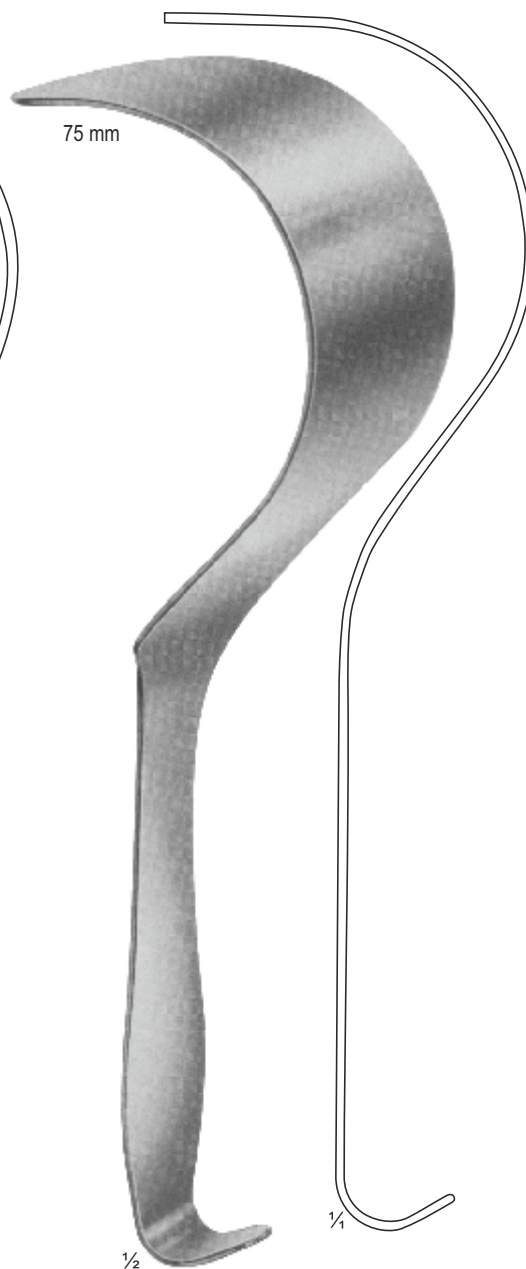
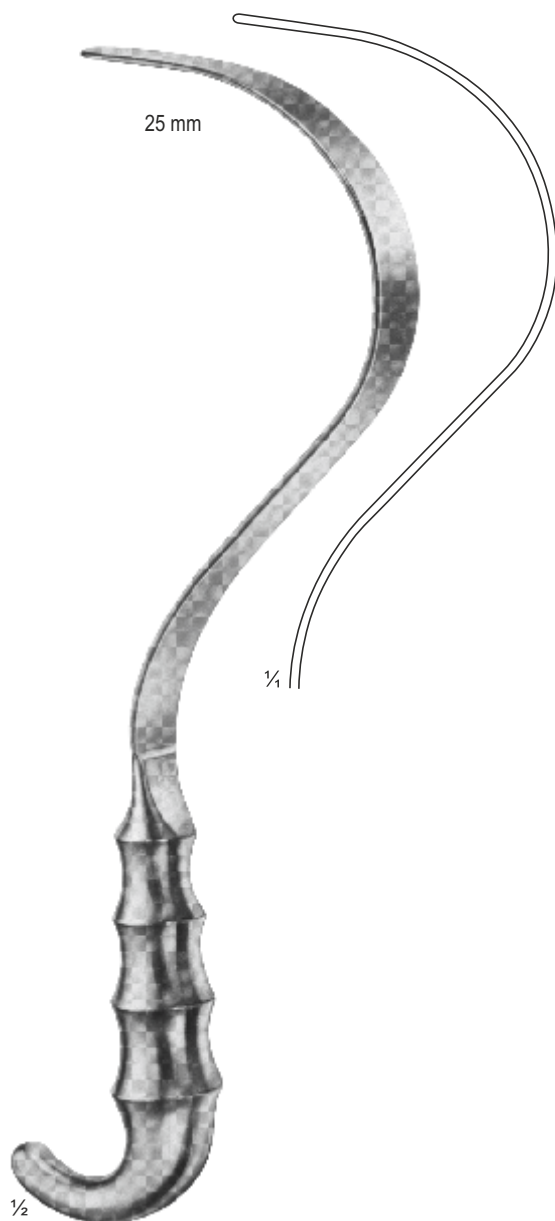
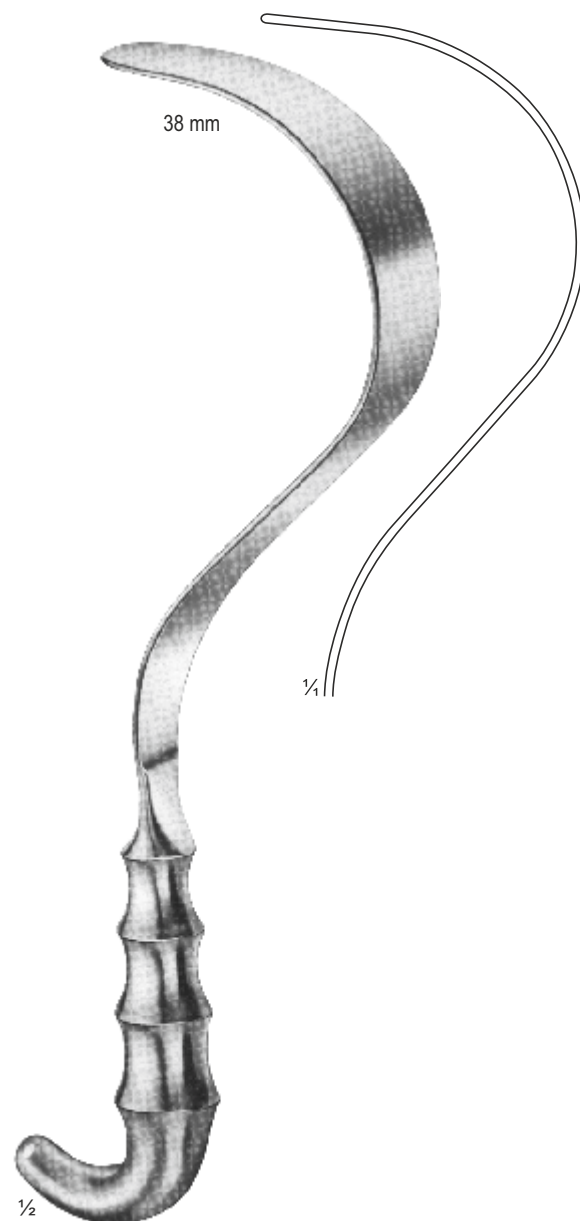


Fig. 5
DEAYER
AS-14-364
320 mm



AS-14-365
DEAVER
310 mm
Fig. 1



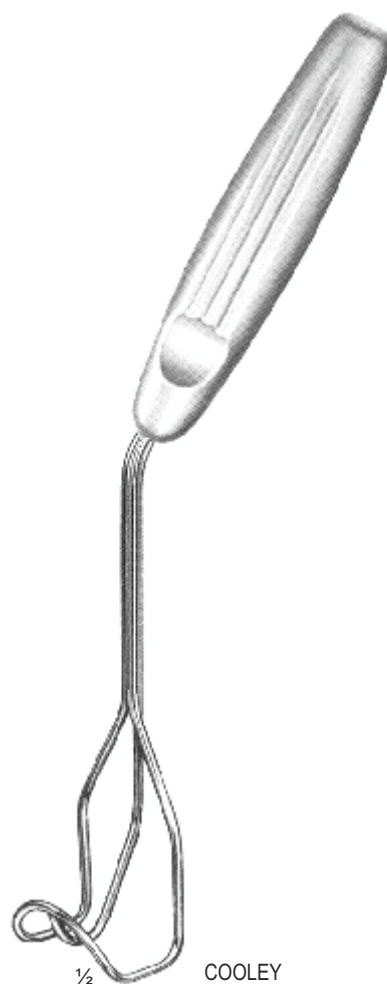
AS-14-366
DEAVER
310 mm
Fig. 3



COOLEY
AS-14-367
250 mm
Right
48 X 48 mm



COOLEY
AS-14-368
250 mm
Right, Serrated
48 X 48 mm



COOLEY
AS-14-369
275 mm
Left
30 X 48 mm



ROCHARD
AS-14-370 - AS-14-374
310 mm
AS-14-370 48 x 90 mm
AS-14-371 48 x 105 mm
AS-14-372 48 x 120 mm
AS-14-373 48 x 135 mm
AS-14-374 48 x 155 mm



AS-14-375



DOYEN
AS-14-376 - AS-14-379
280 mm
AS-14-376 48 x 90 mm
AS-14-377 48 x 105 mm
AS-14-378 48 x 120 mm
AS-14-379 48 x 135 mm



DOYEN-CHILD
AS-14-380
Fixation device
220 mm



AS-14-381
Chain with
weight (747 / 645g)
790 mm



SENN-GREEN
AS-14-382 - AS-14-383
160 mm



Fig. 1
AS-14-382
20 X 6 mm



Fig. 2
AS-14-383
10 X 6 mm



RAGNELL-DAVIS
AS-14-384
150 mm

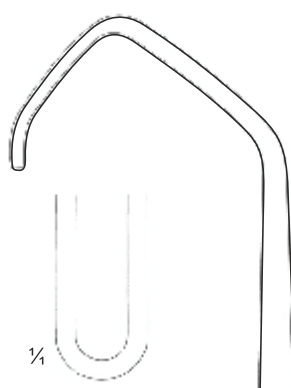


$\frac{1}{4}$
8 X 4.5 mm

15 X 5.5 mm



CUSHING
AS-14-385
205 mm



$\frac{1}{4}$

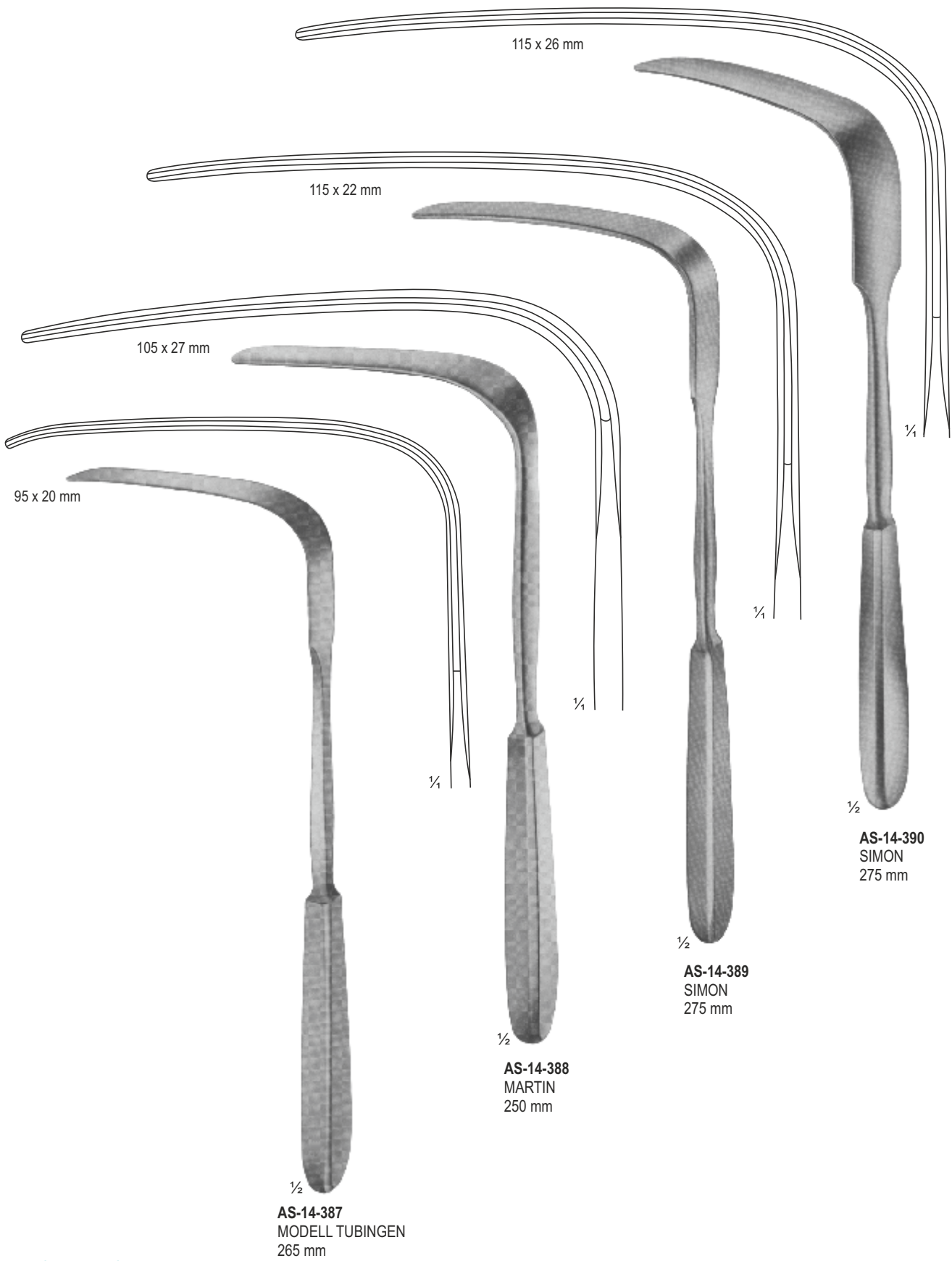
19 x 15 mm
19 x 15 mm

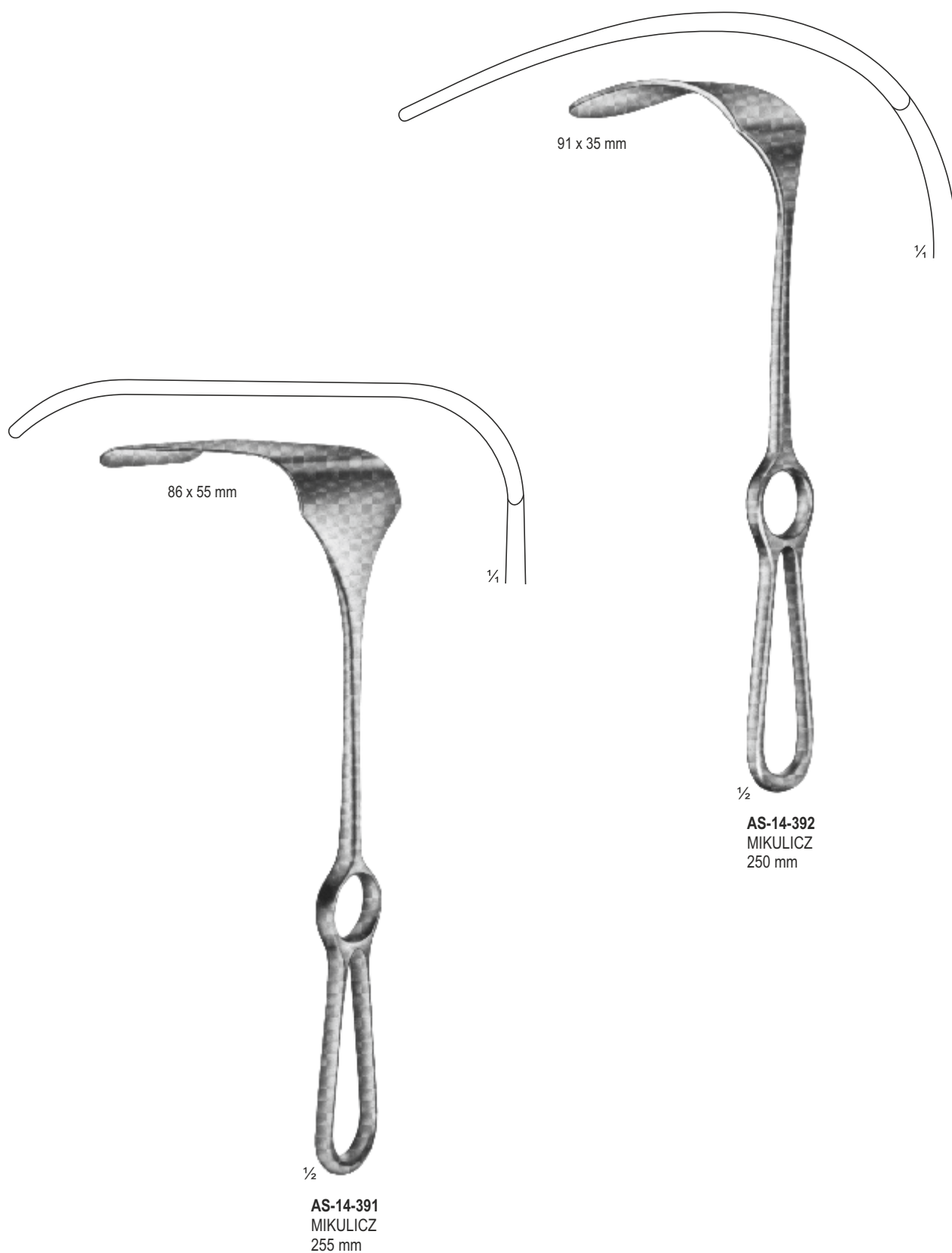


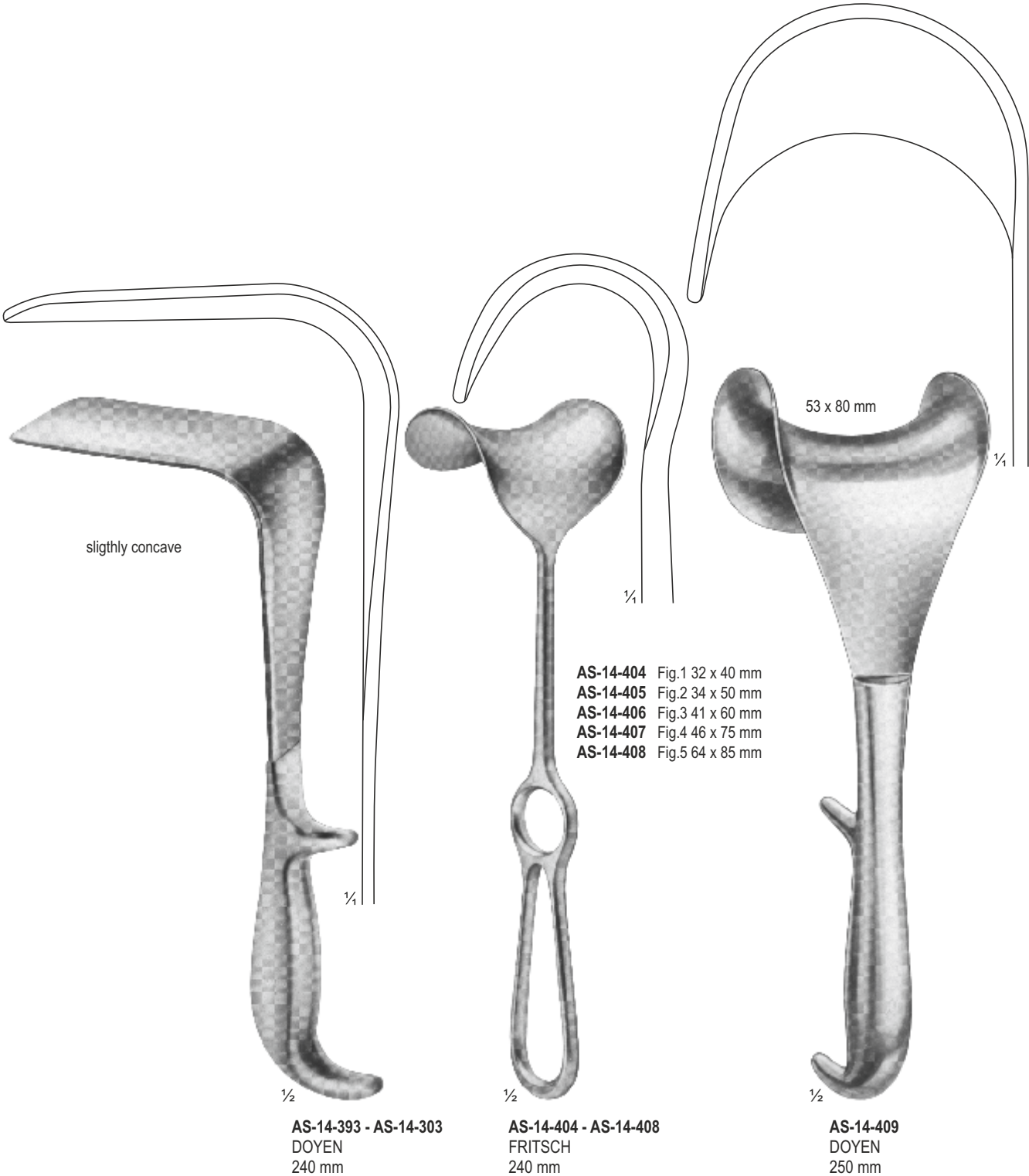
22 x 15 mm
22 x 15 mm

PARKER
AS-14-386
140 mm





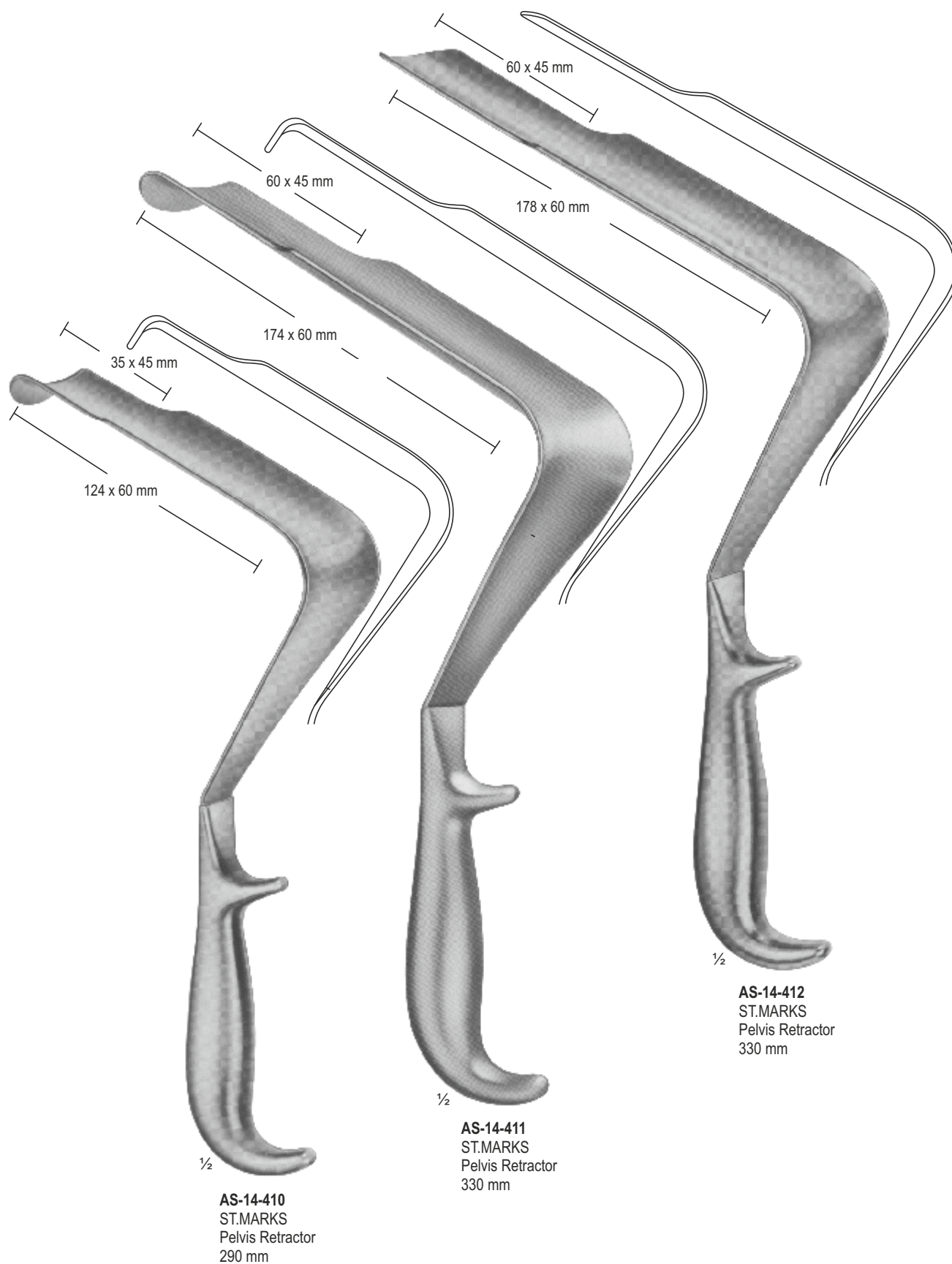




Width of Blades
35 mm, 45 mm, 60 mm

Length of Blades
62 mm
92 mm
122 mm
160 mm

AS-14-393 , AS-14-397 , AS-14-401
AS-14-394 , AS-14-398 , AS-14-402
AS-14-395 , AS-14-399 , AS-14-403
AS-14-396 , AS-14-400







AS-14-418
REVERDIN
285 mm



AS-14-419
HABERER
Malleable
305 mm



AS-14-420 - AS-14-422
AS-14-420 30 mm
AS-14-421 40 mm
AS-14-422 50 mm
Malleable
330 mm



AS-14-423
TUFFIER
Malleable
200 mm



Page 289–311

- Dilators
- Bioopsy Instruments And Curettes
- Uterine Probes, Uterine Dressing - Tenaculum
- Ovum Forceps
- Uterine Elevating Forceps



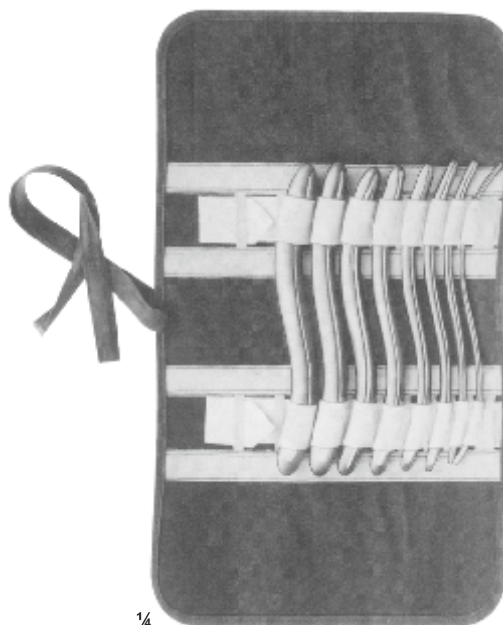
AS-15-101 - AS-15-143
HEGAR
with very conical point
185 mm

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



AS-15-144 - AS-15-152
HEGAR
205 mm

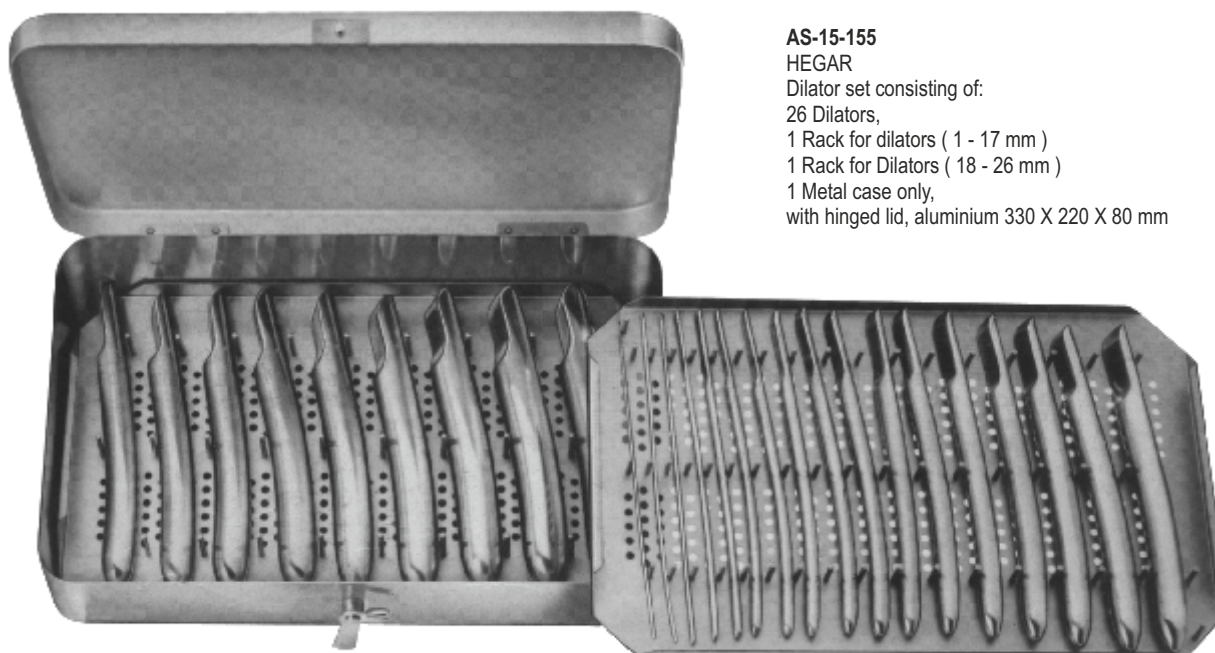
AS-15-144	1+2	mm
AS-15-145	3+4	mm
AS-15-146	5+6	mm
AS-15-147	7+8	mm
AS-15-148	9+10	mm
AS-15-149	11+12	mm
AS-15-150	13+14	mm
AS-15-151	15+16	mm
AS-15-152	17+18	mm



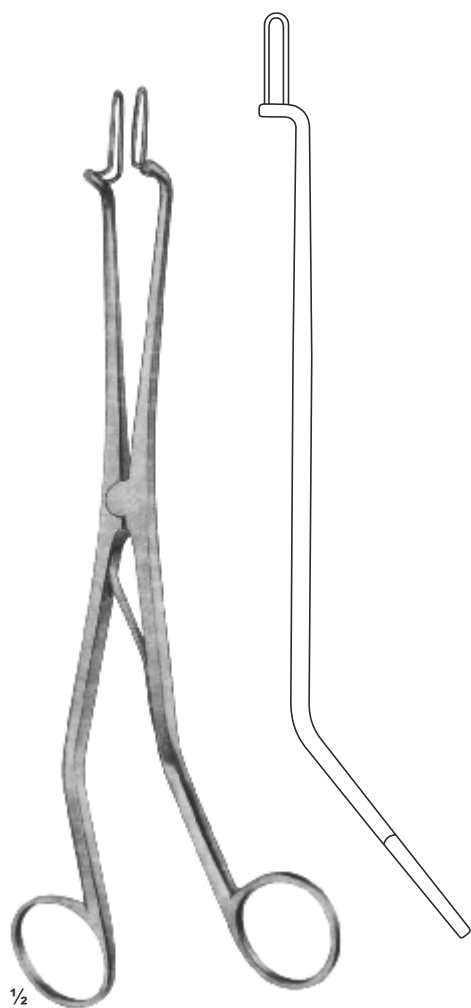
AS-15-153
HEGAR
Uterine dilator set, in canvas
roll with 8 dilators.



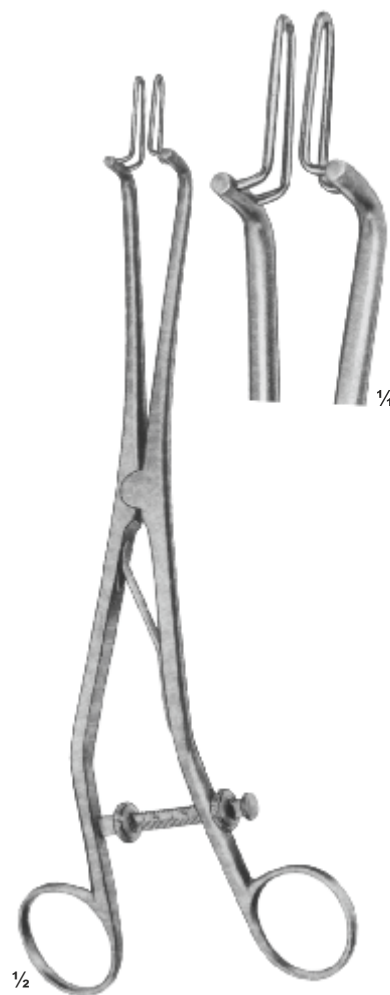
AS-15-154
HEGAR
Dilator set consisting of:
14 Dilators,
1 Rack for dilators (4 - 12 mm)
1 Rack for Dilators (13 - 17 mm)
1 Metal case only,
with hinged lid, stainless 200 X 100 X 35 mm



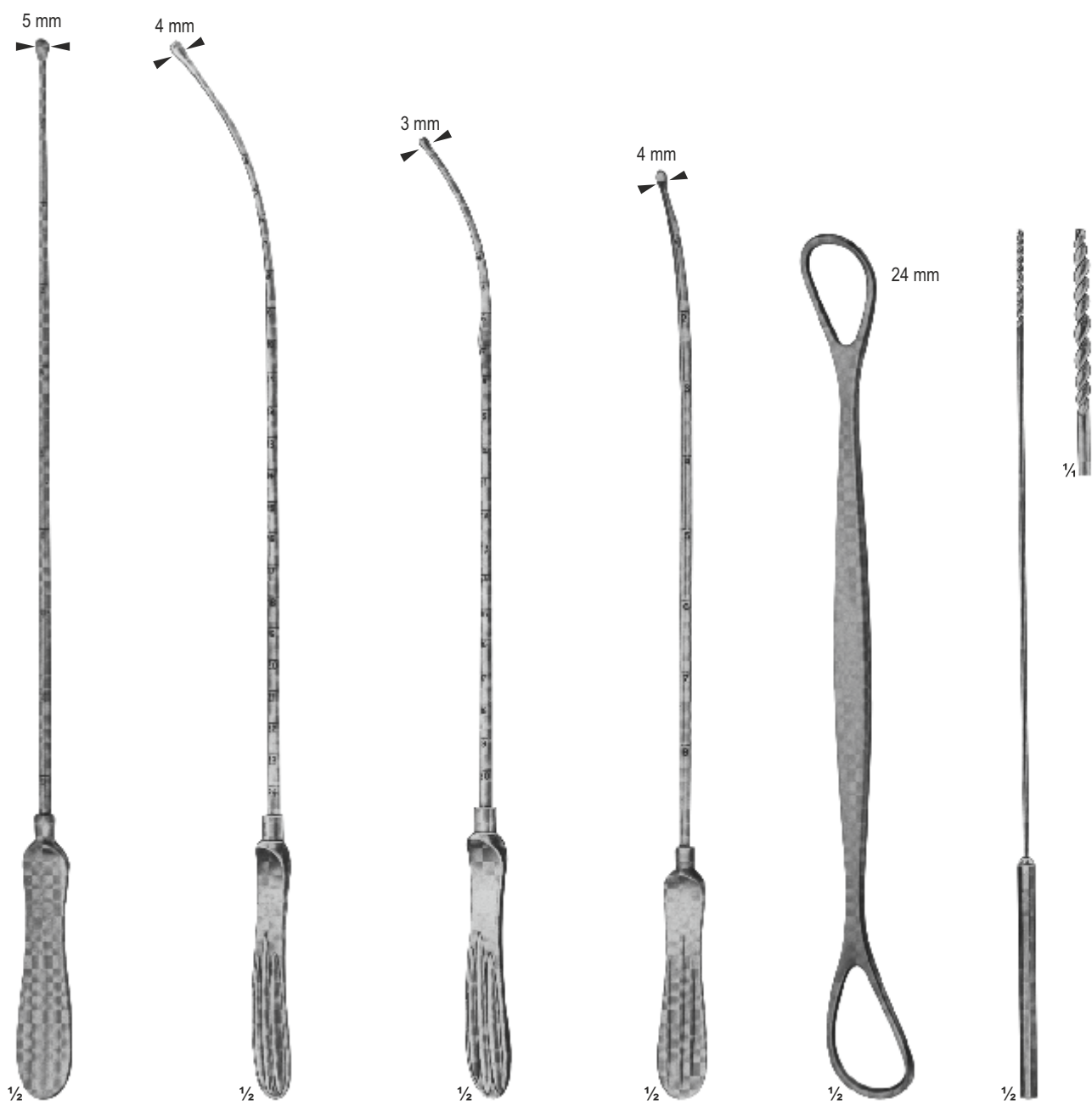
AS-15-155
HEGAR
Dilator set consisting of:
26 Dilators,
1 Rack for dilators (1 - 17 mm)
1 Rack for Dilators (18 - 26 mm)
1 Metal case only,
with hinged lid, aluminium 330 X 220 X 80 mm



AS-15-156
KOGAN
Endospecula for cervix
and urethra, without ratchet
240 mm



AS-15-157
KOGAN
Endospecula for cervix
and urethra, with
scale-ratchet and fixing screws
240 mm



AS-15-158
MAYO
biegsam malleable
330 mm

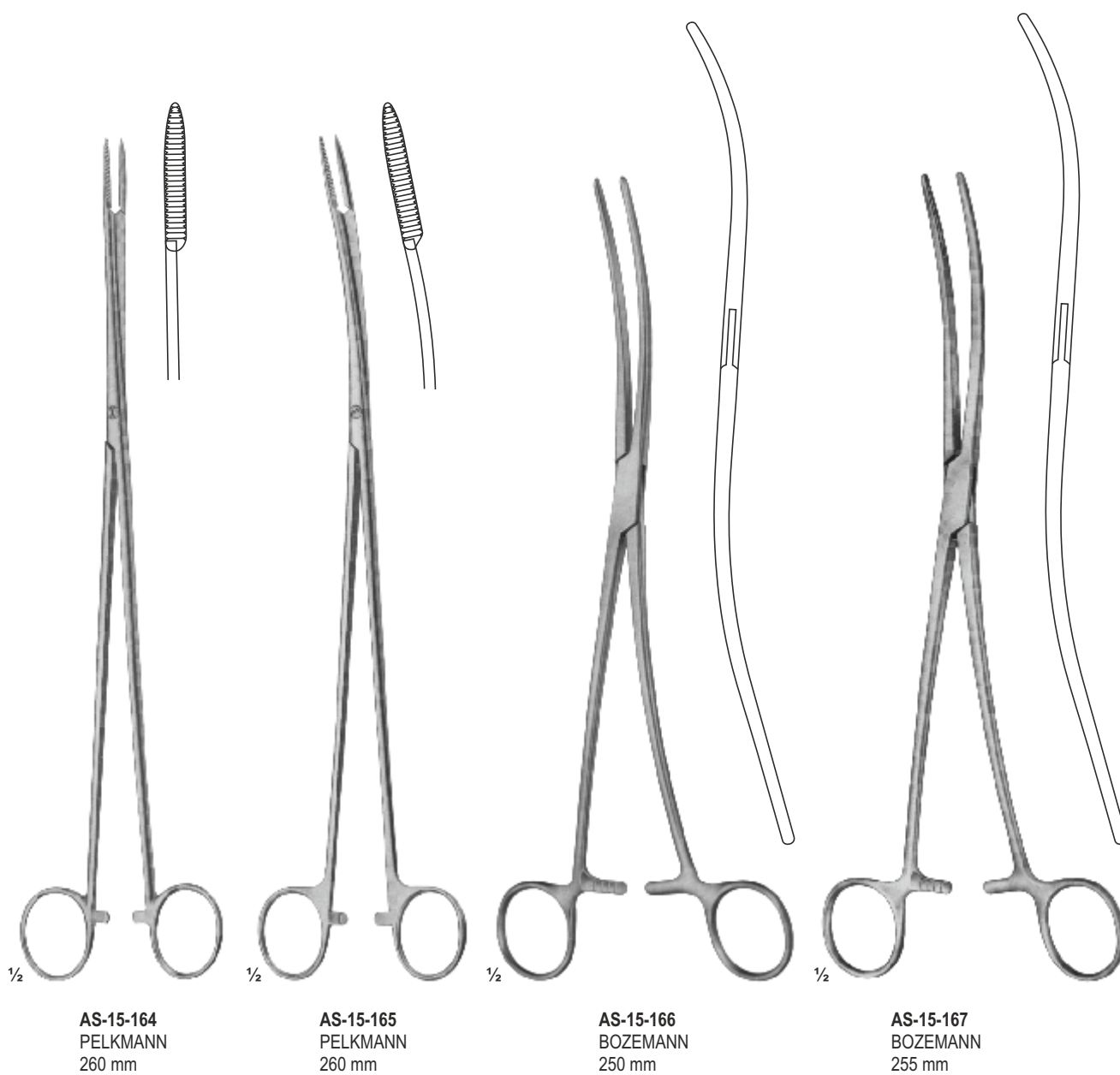
AS-15-159
SIMS
biegsam malleable
330 mm

AS-15-160
MARTIN
330 mm

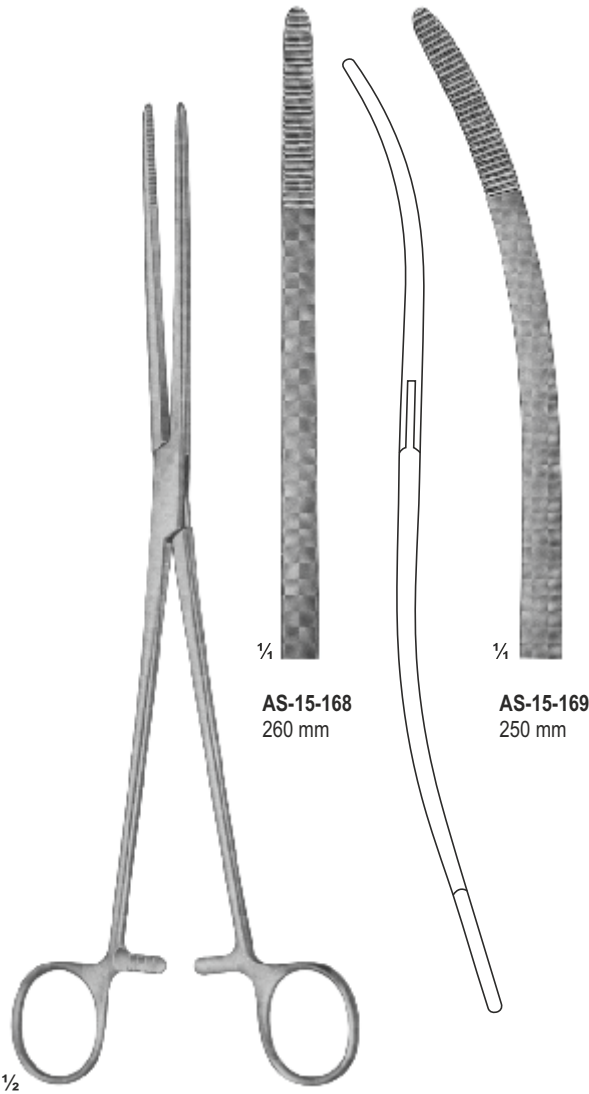
AS-15-161
SIMPSON
malleable
silver-plated
290 mm

AS-15-162
BRAUN
Uterine
depressor
270 mm

AS-15-163
Cotton
applicator
270 mm



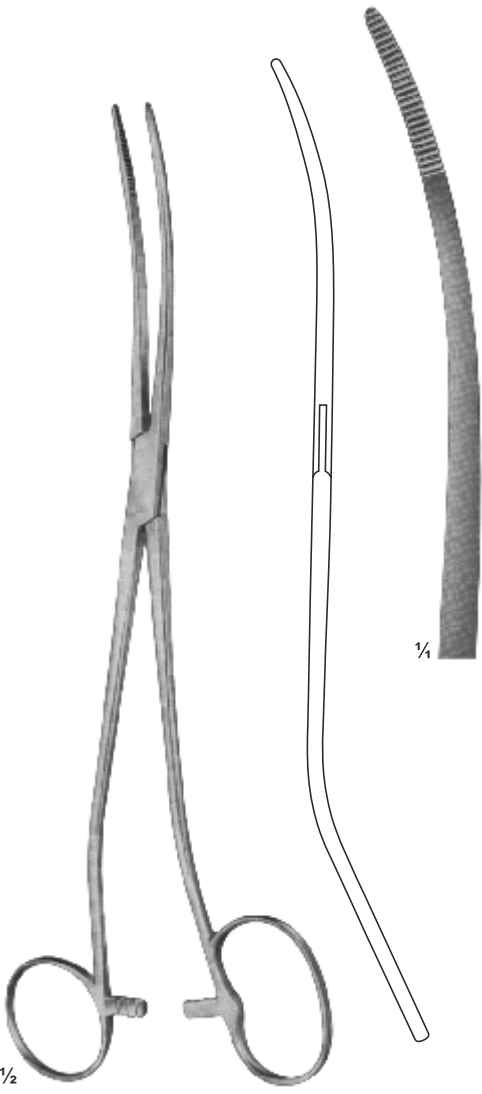
Jaws with longitudinal groove



AS-15-168
260 mm

AS-15-169
250 mm

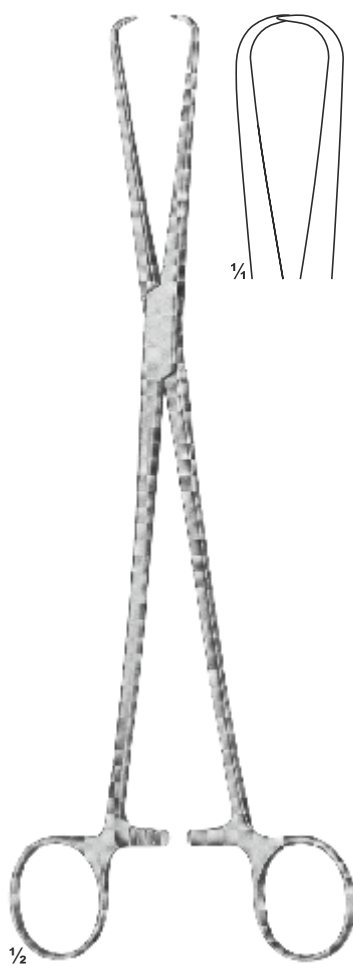
AS-15-168 - AS-15-169
BOZEMANN



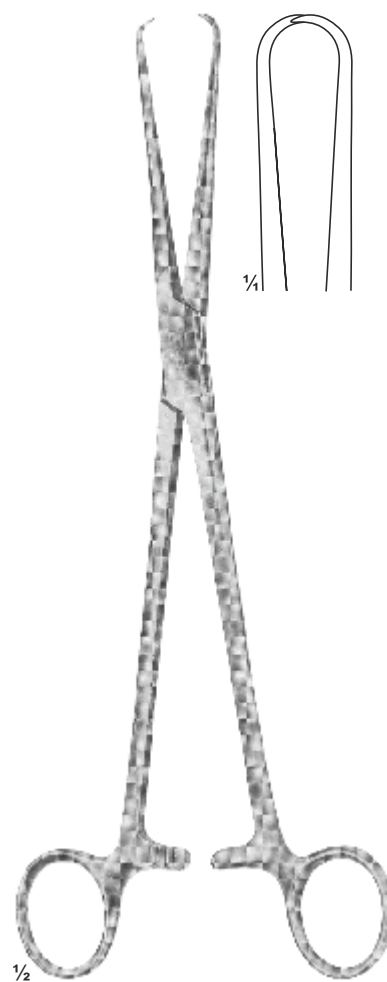
AS-15-170
BOZEMANN-DOUGLAS
260 mm



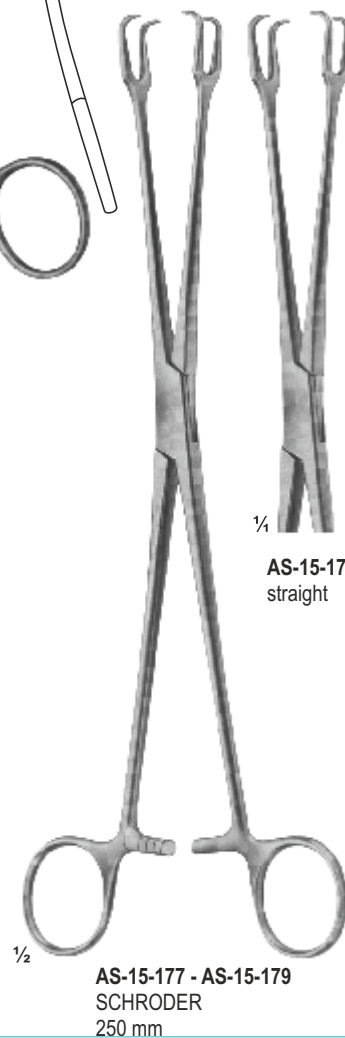
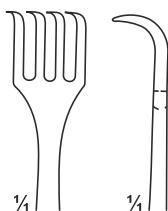
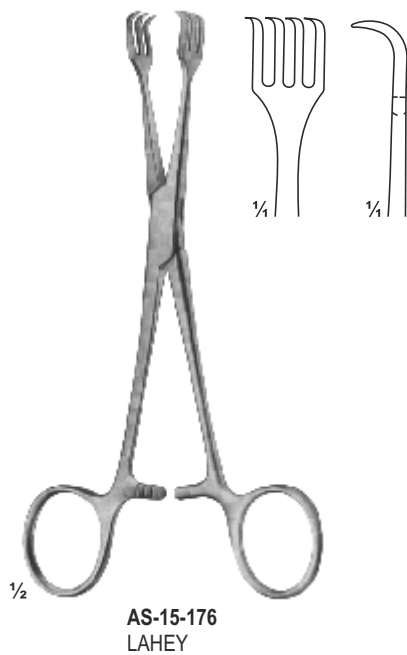
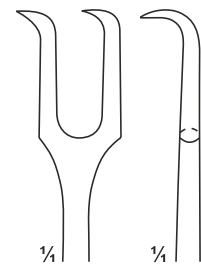
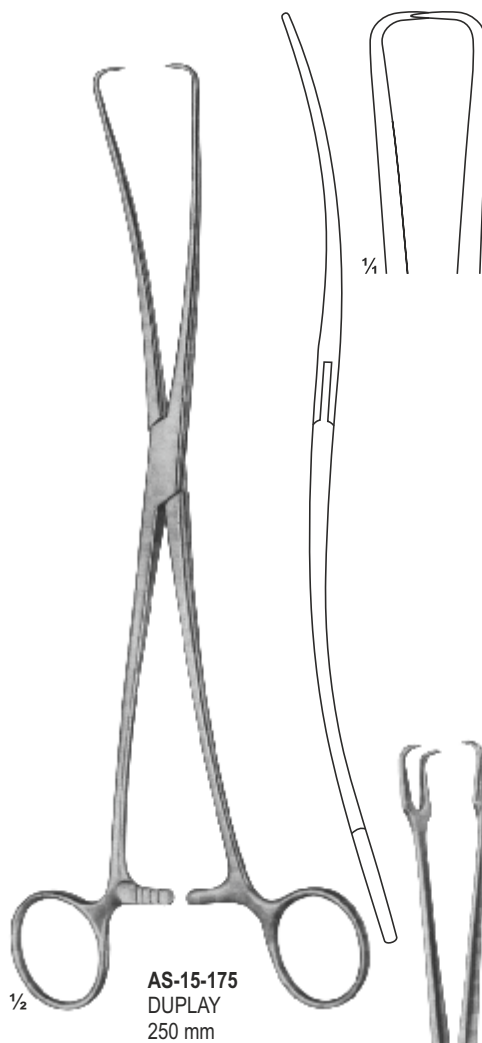
AS-15-171
BRAUN
slender type
250 mm

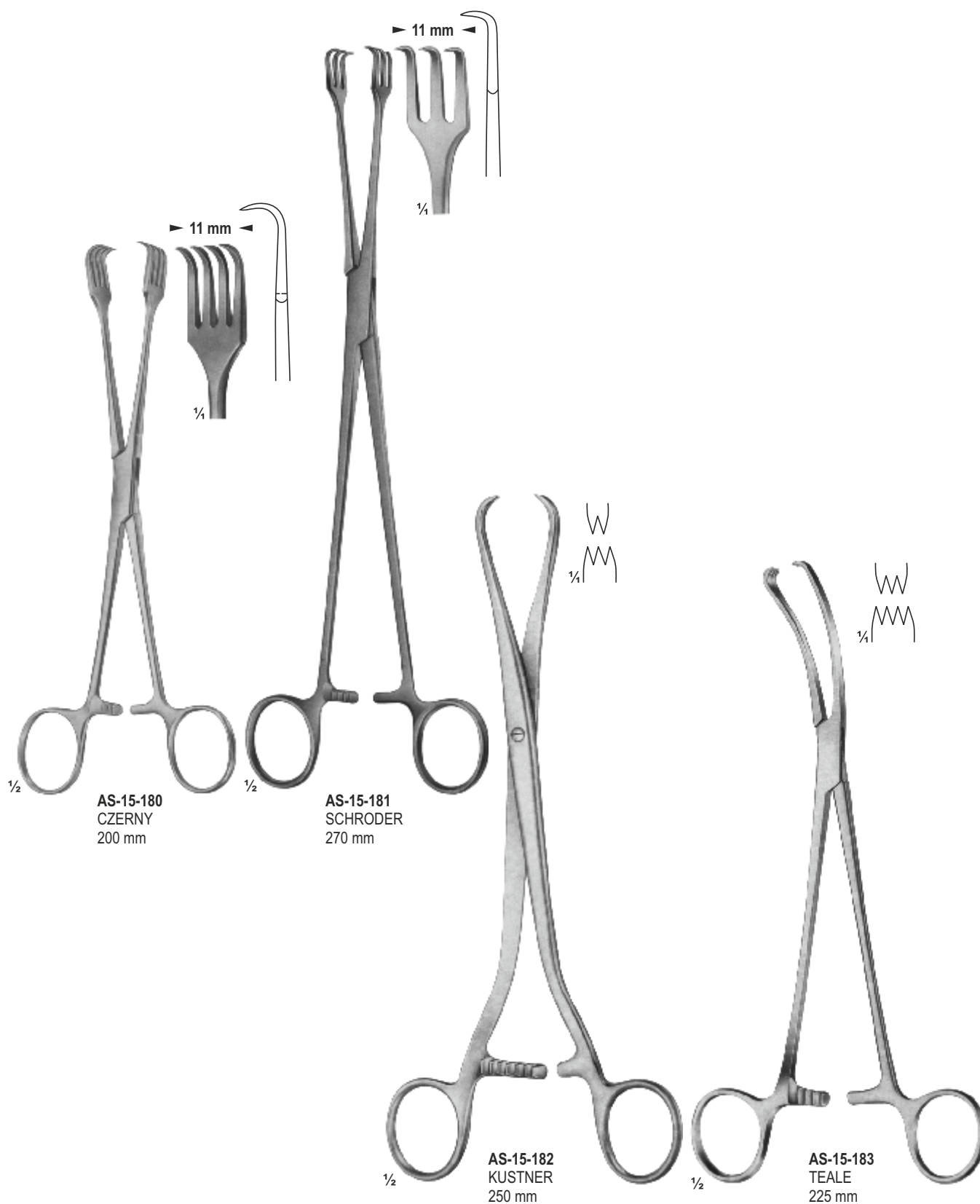


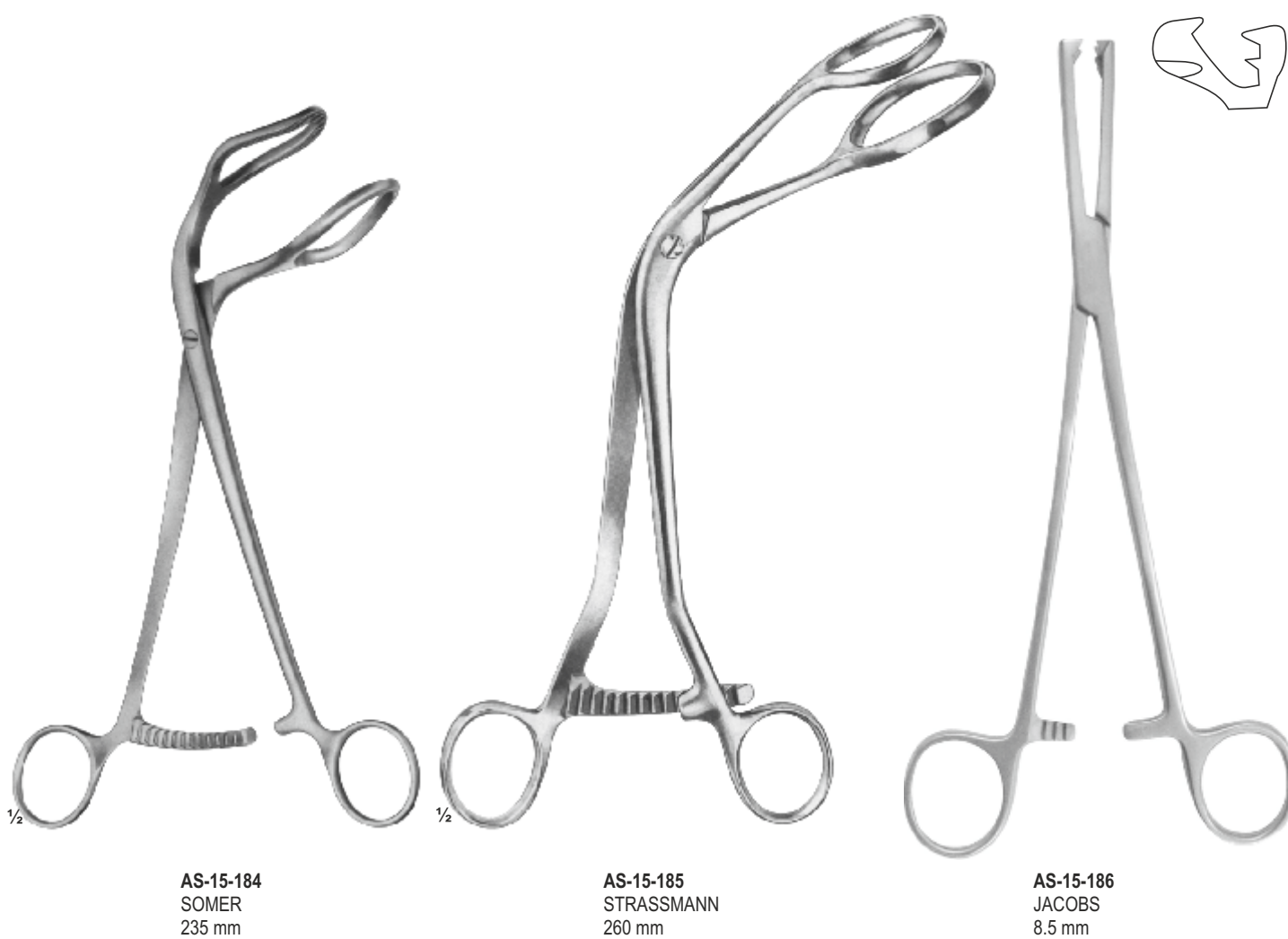
AS-15-172
SCHRODER
250 mm

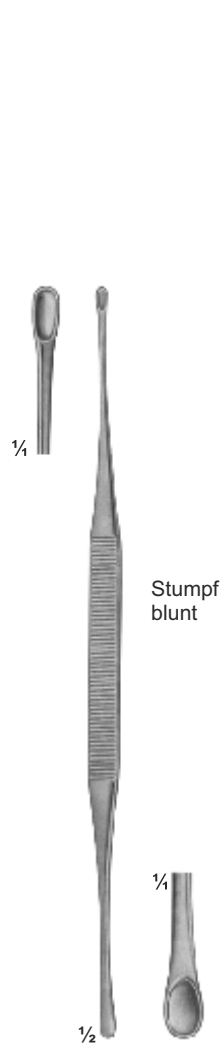


AS-15-173
POZZI
heavy type
255 mm

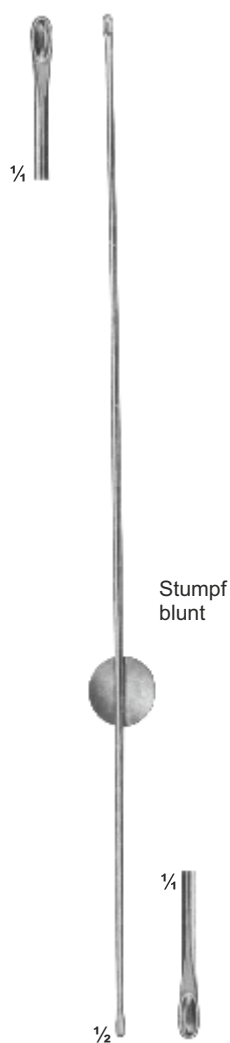








AS-15-187
ASCH
Uterine
Secretion scoop
200 mm



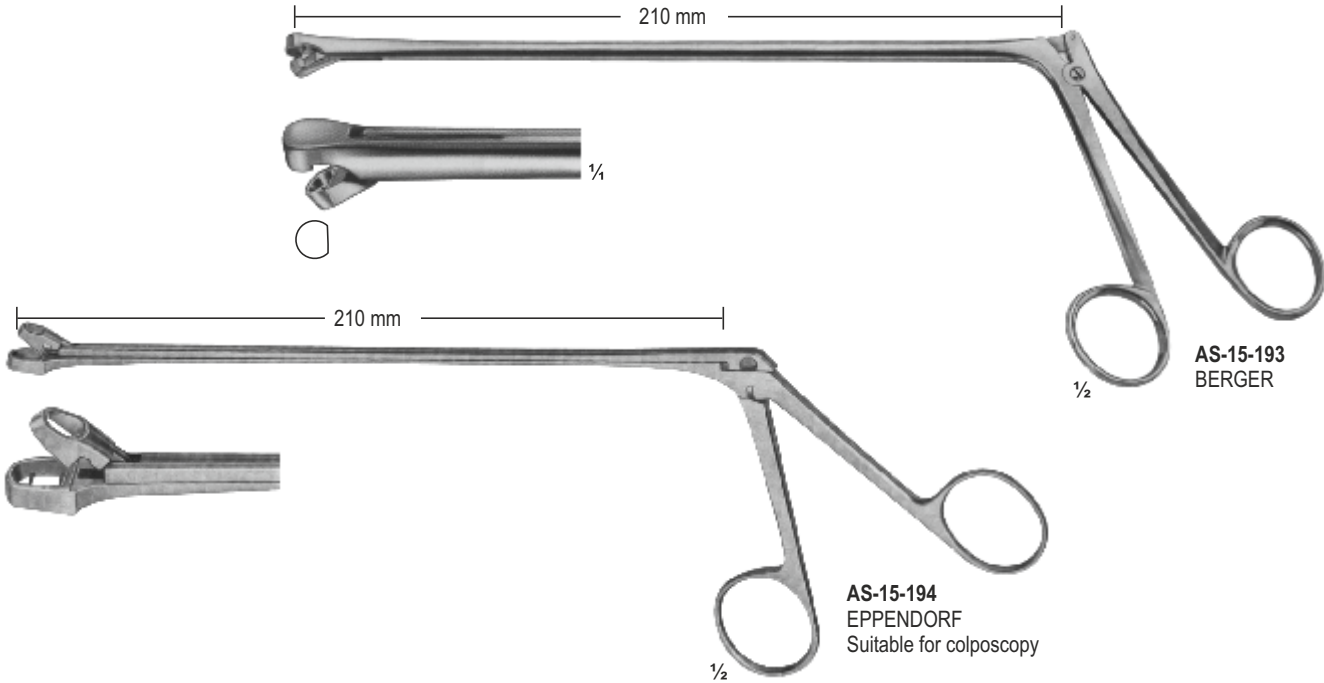
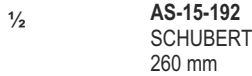
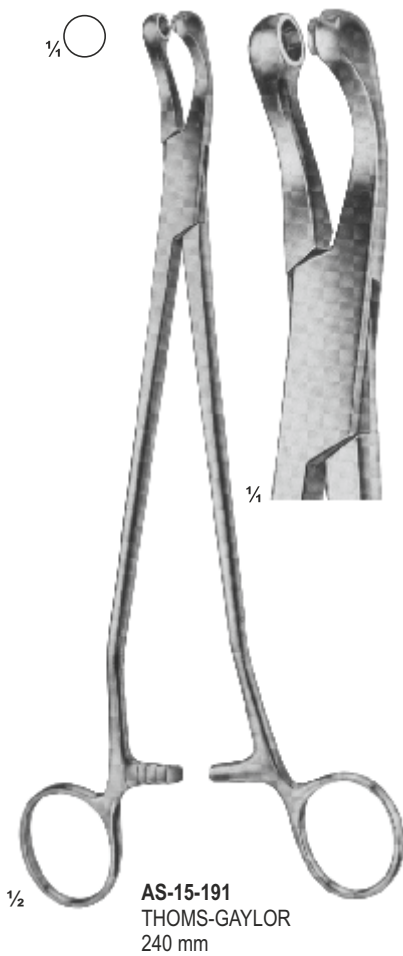
AS-15-188
Uterine
Secretion scoop
270 mm

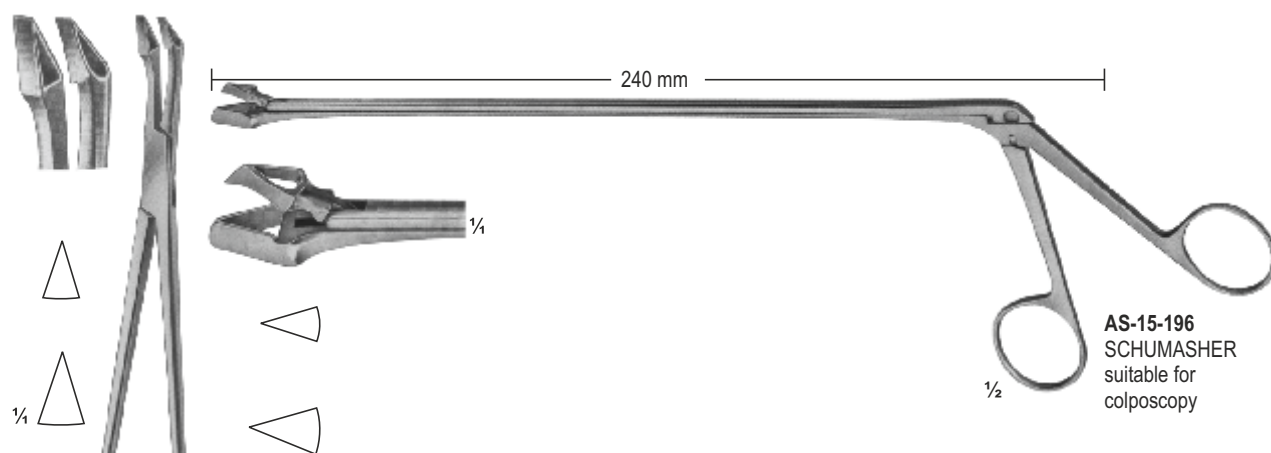


AS-15-189
NOVAK-SCHOECKAERT
Endometrial biopsy
curette
240 mm

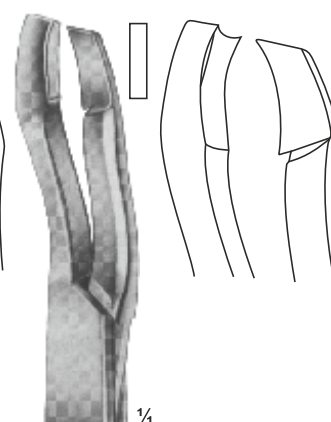


AS-15-190
RANDALL
Endometrial biopsy
curette
240 mm

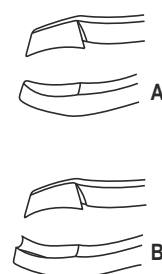


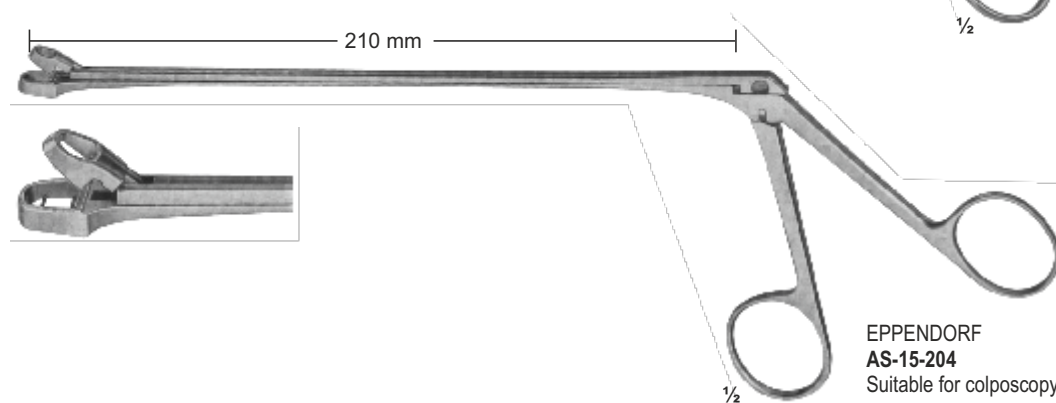
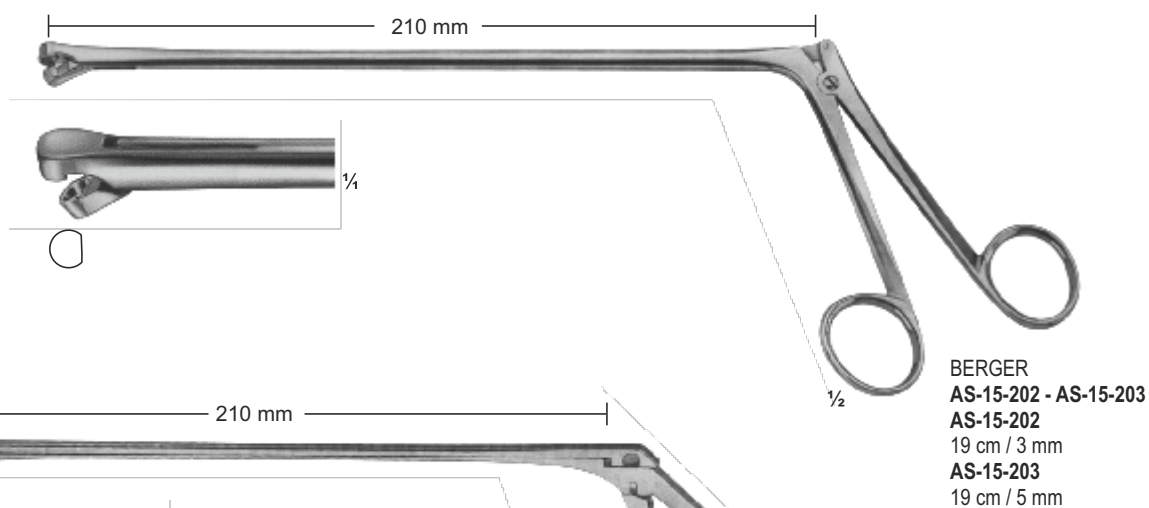
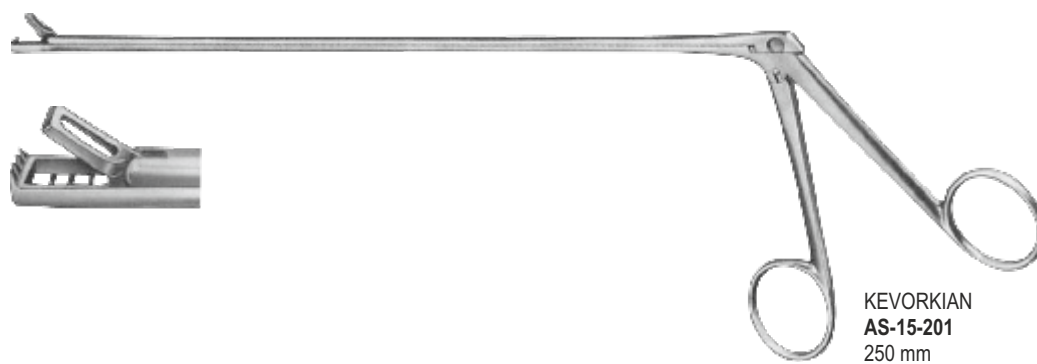
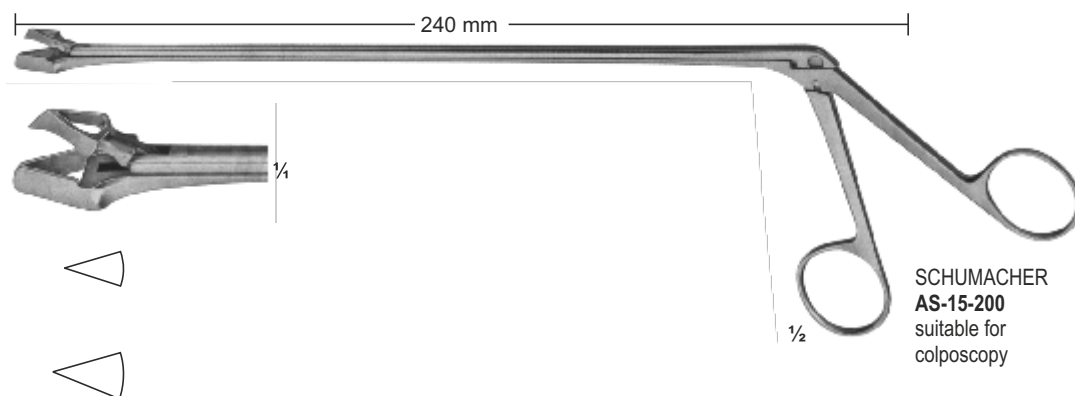


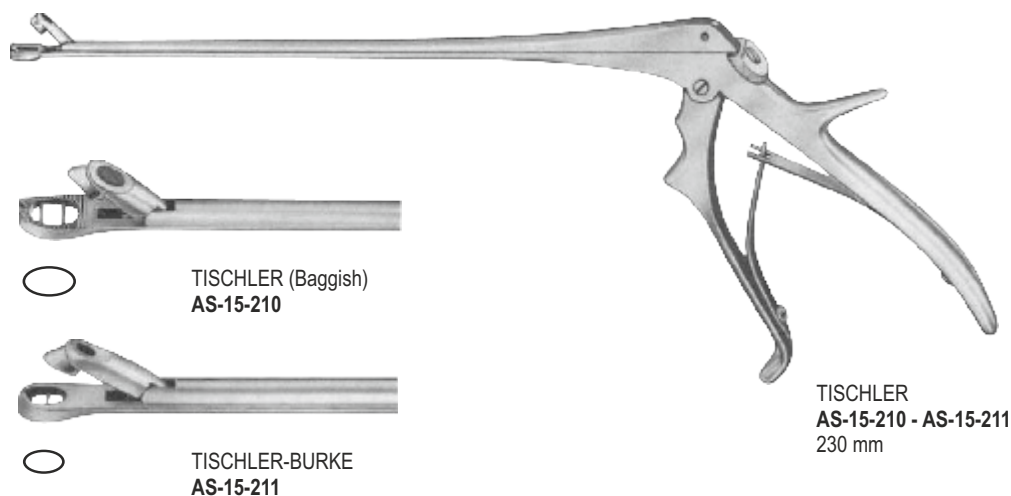
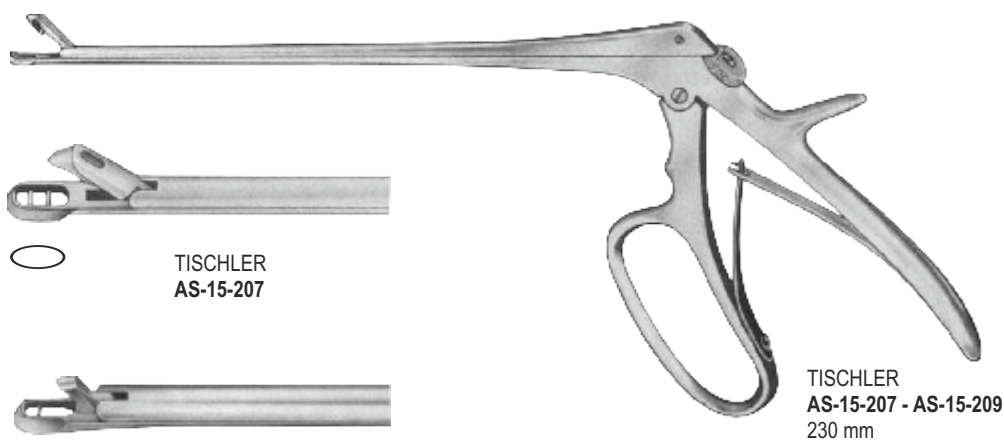
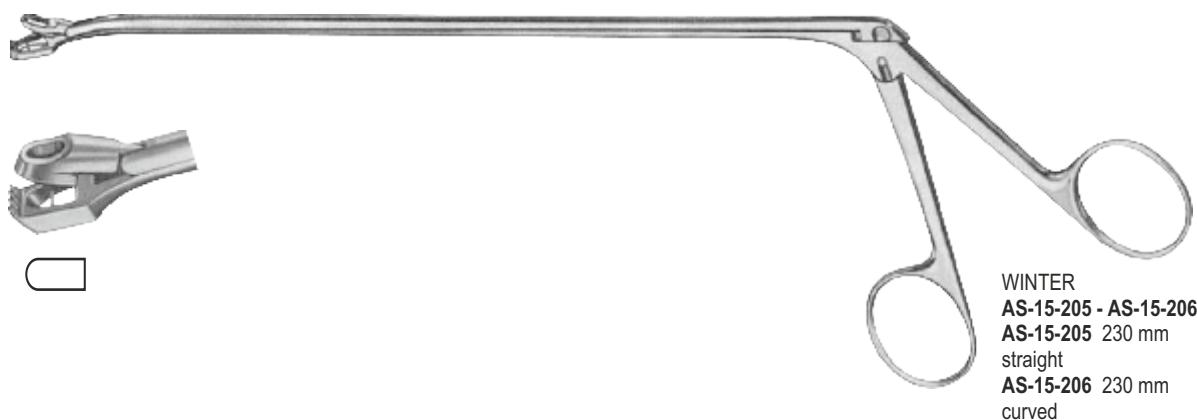
AS-15-195
SCHUMASHER
240 mm

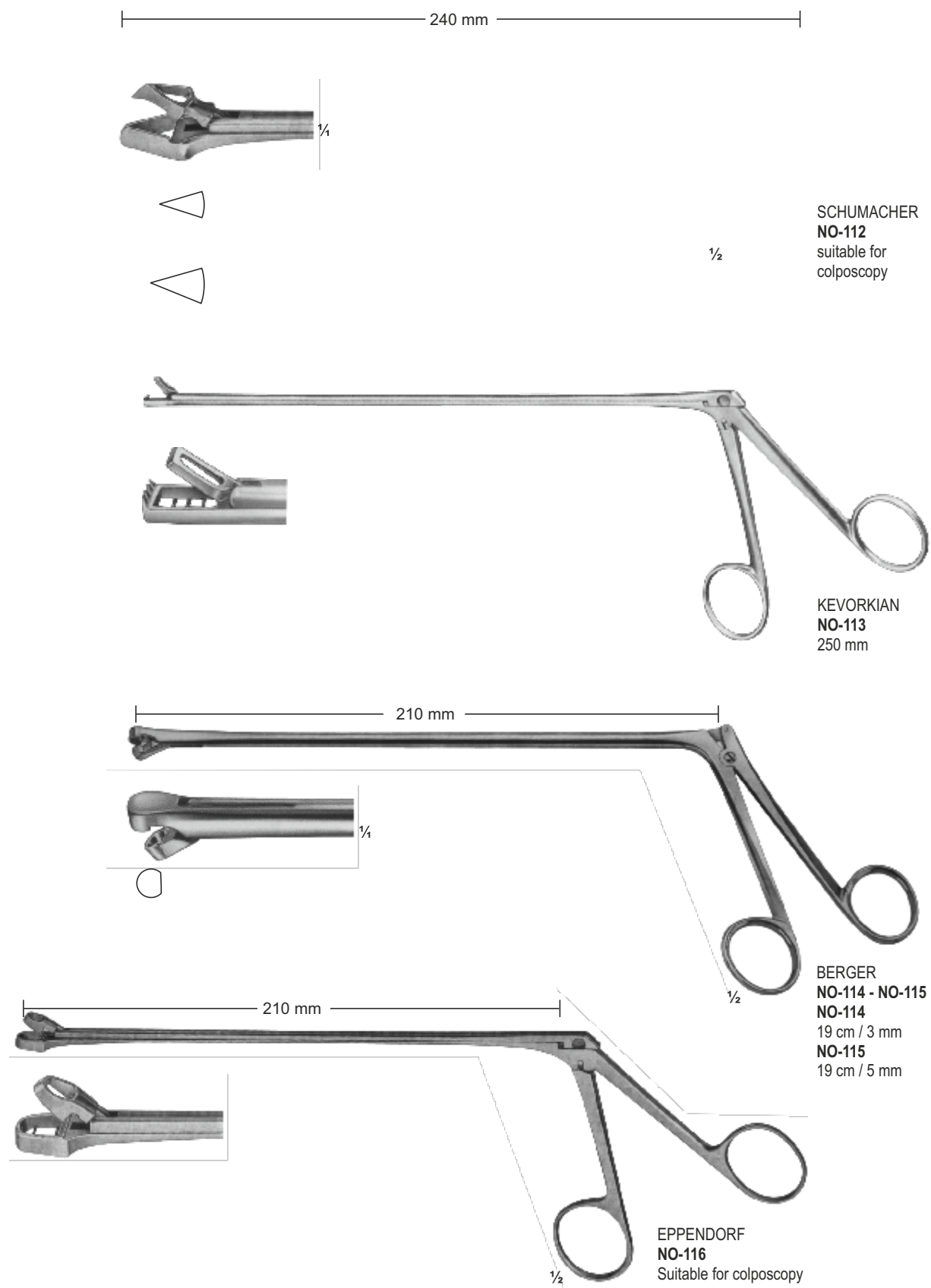


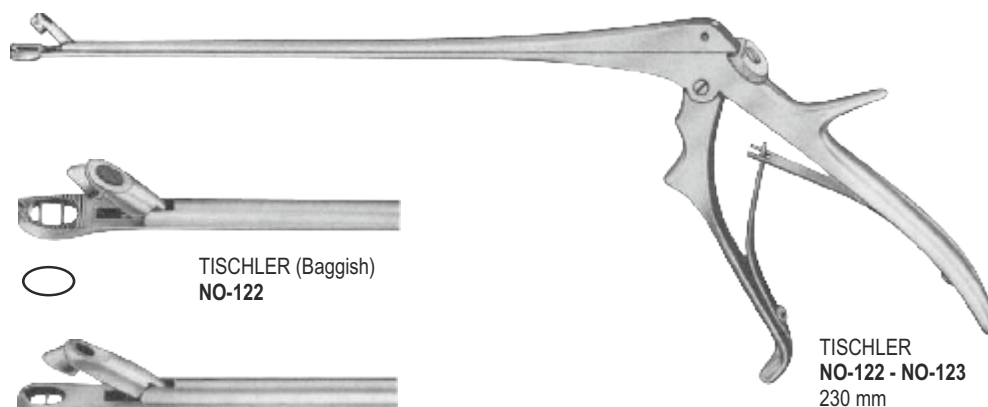
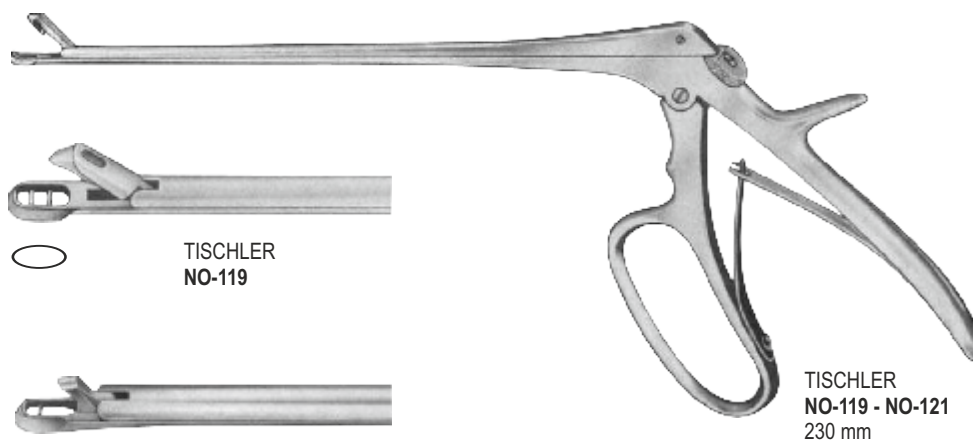
AS-15-197 - AS-15-199
SEIDL DBP
Biopsy forceps, bayonet shaped
for portio, vagina and vulva
240 mm

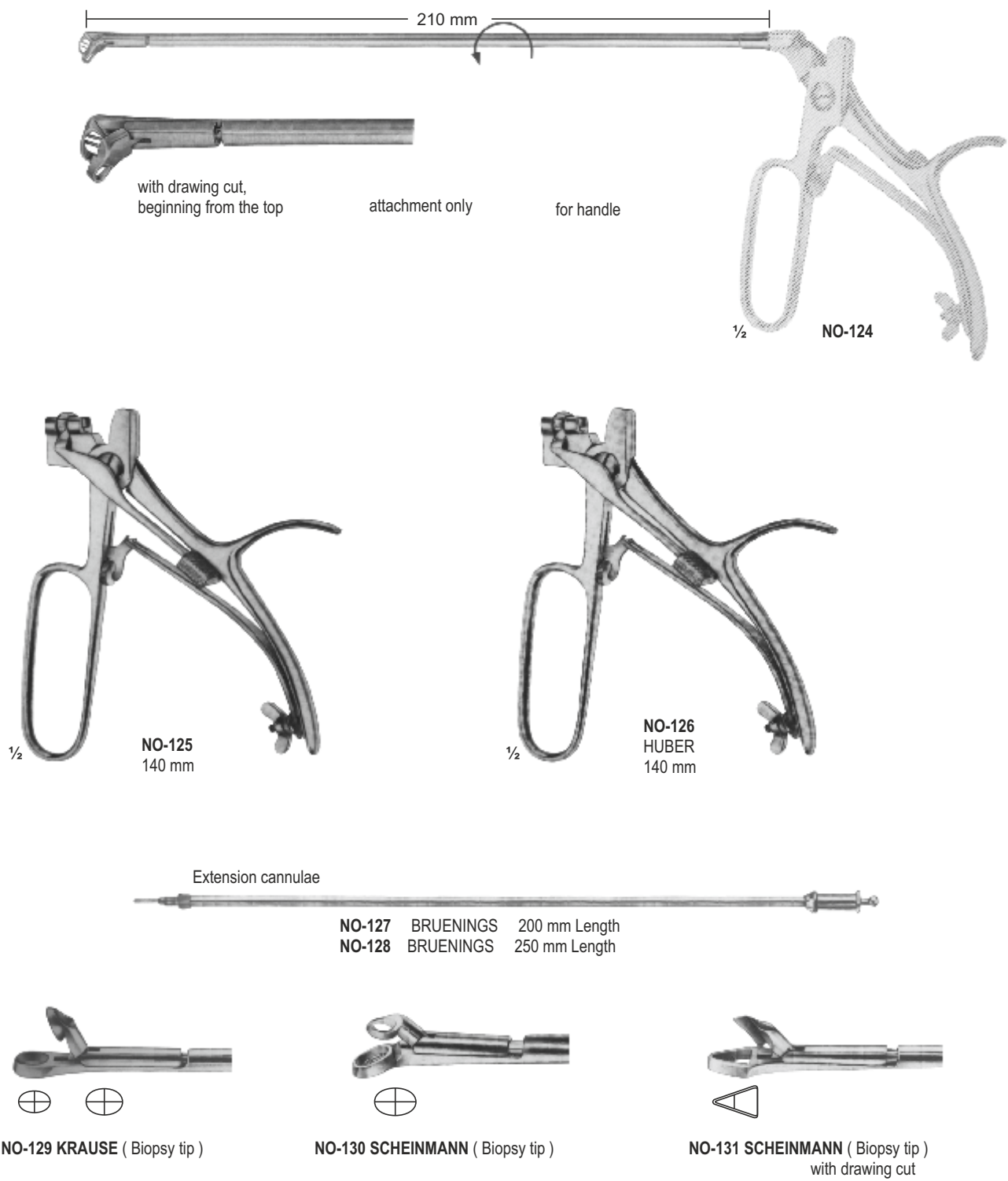


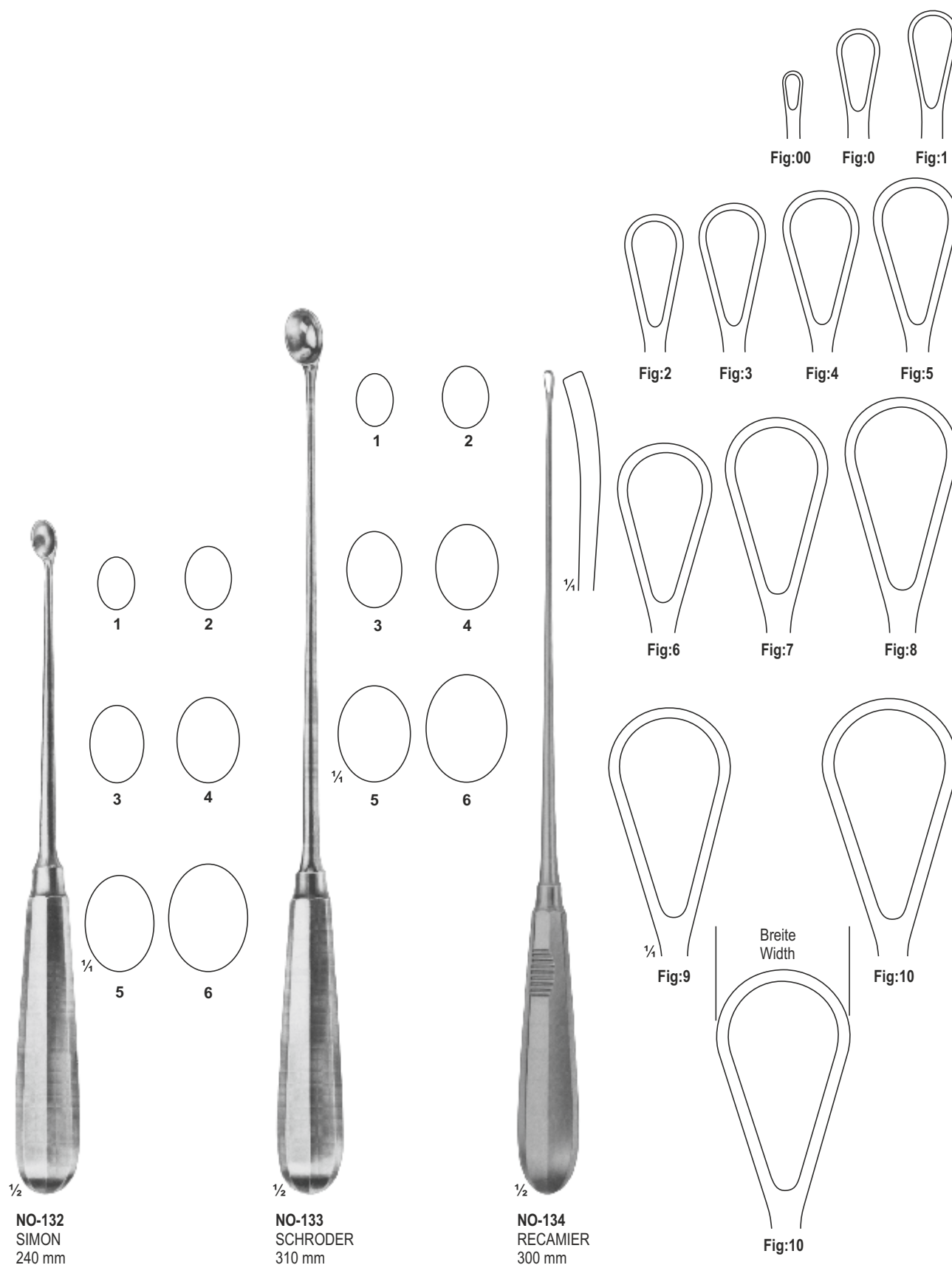


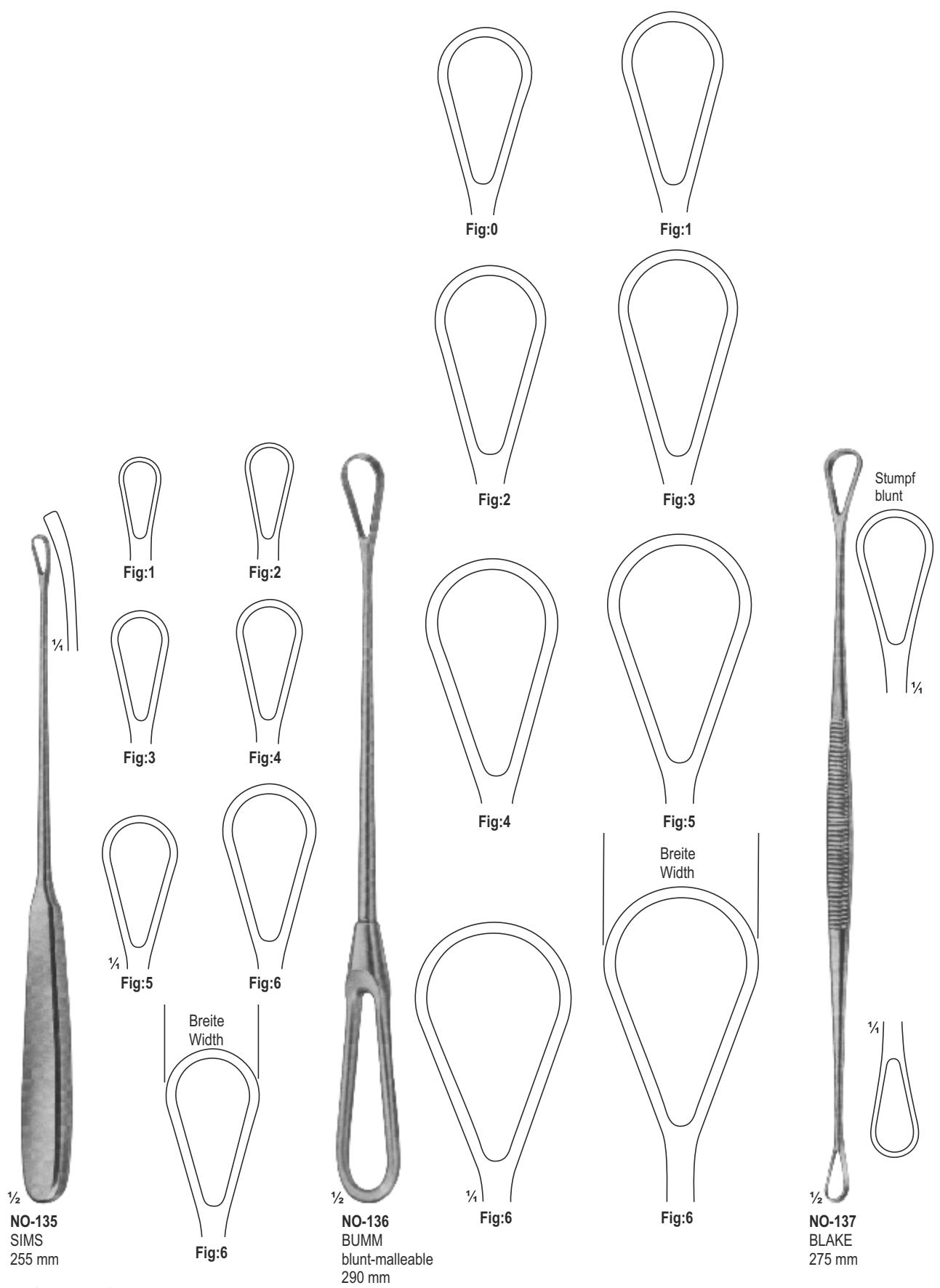














NO-138
COLLIN
300 mm



NO-139
RECAMIER
blunt-rigid
360 mm

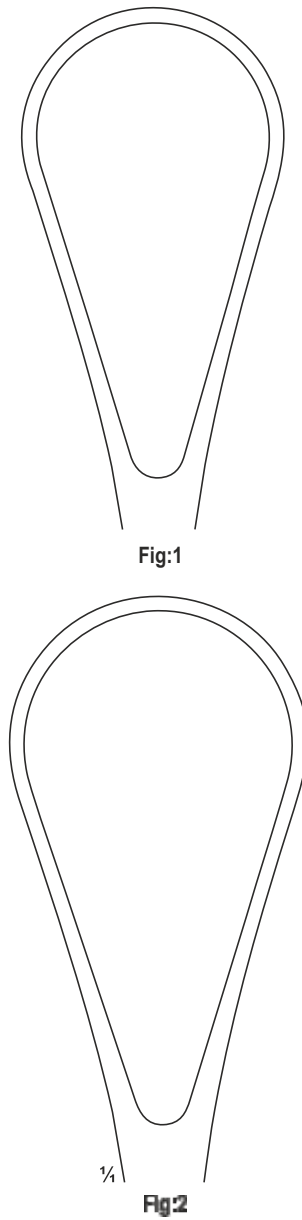


Fig:1

Fig:2



NO-140
BUMM
310 mm

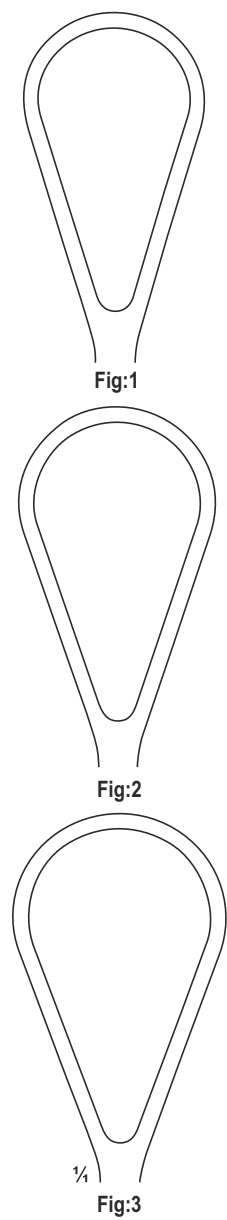
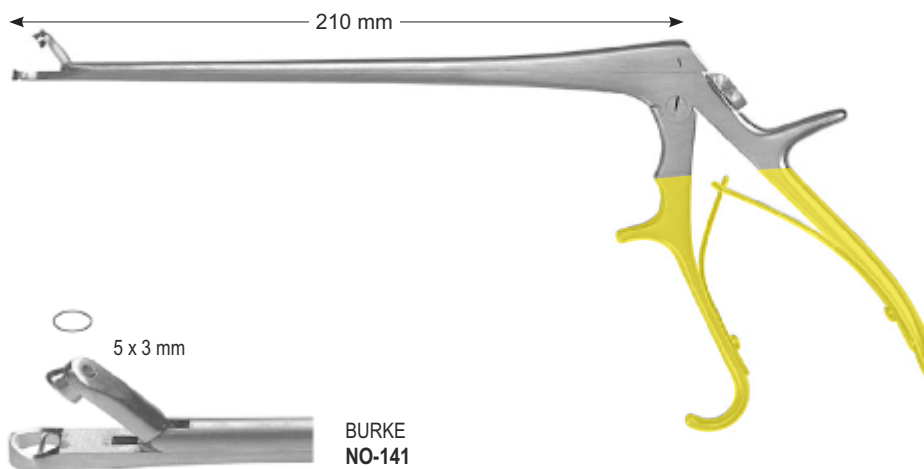
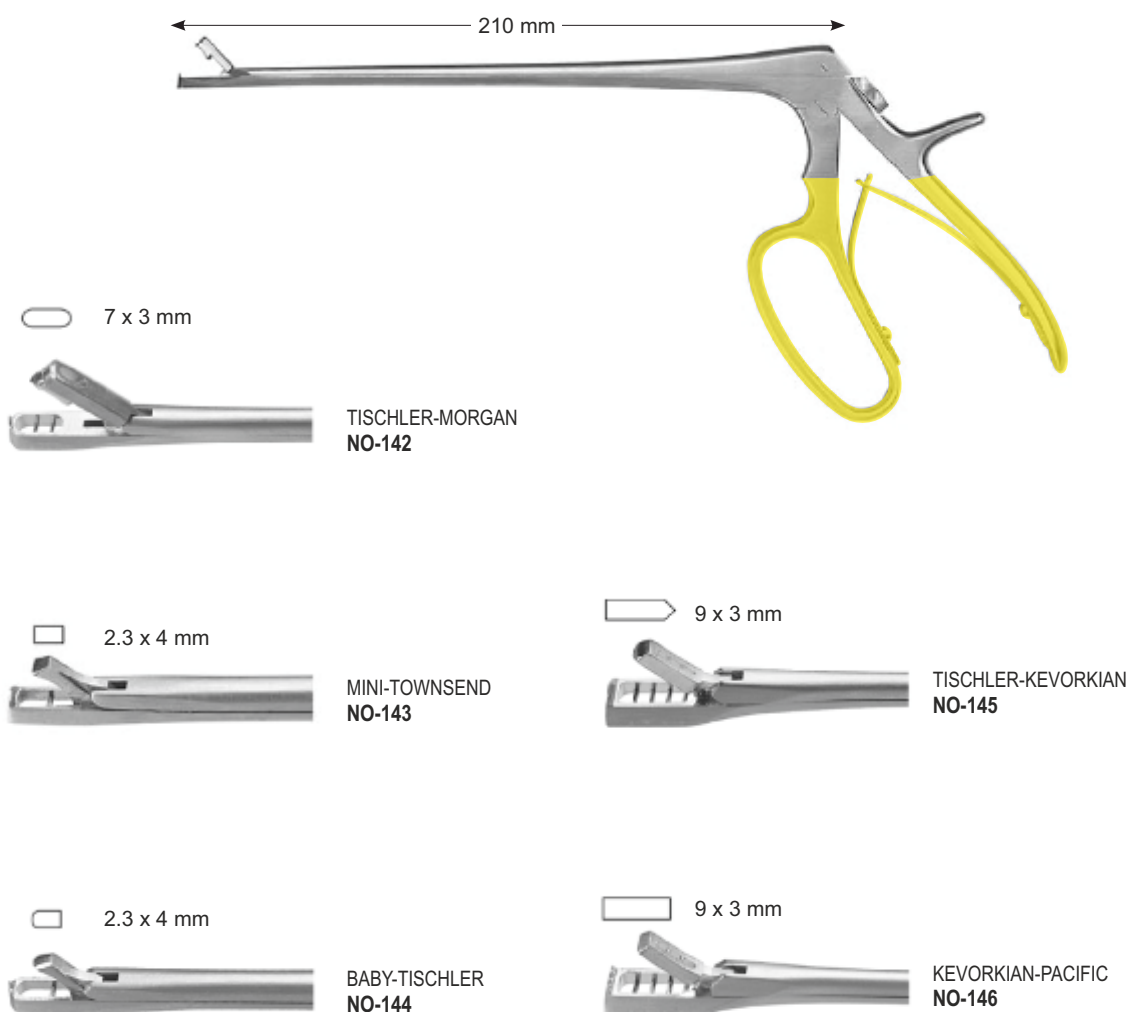


Fig:1

Fig:2

Fig:3

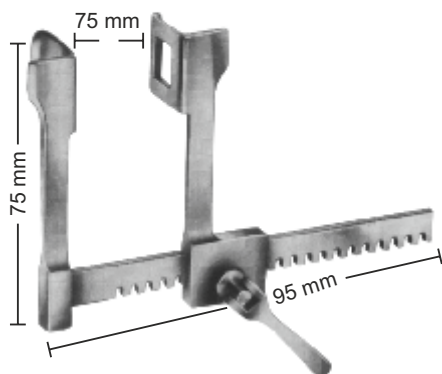




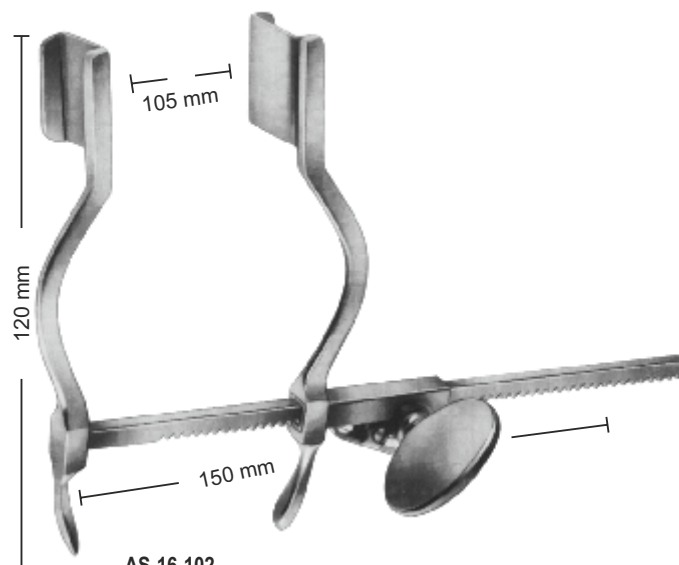


Page 312–374

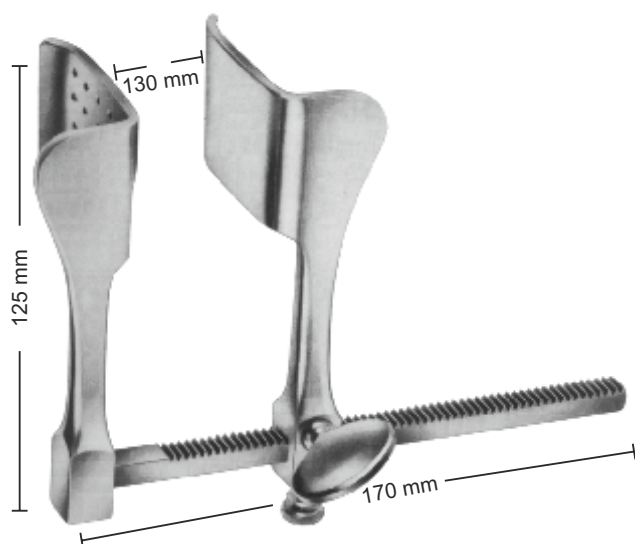
- Cardiovascular And Thoracic Surgery
- Muller Vessel Clips
- Bulldog Clamps



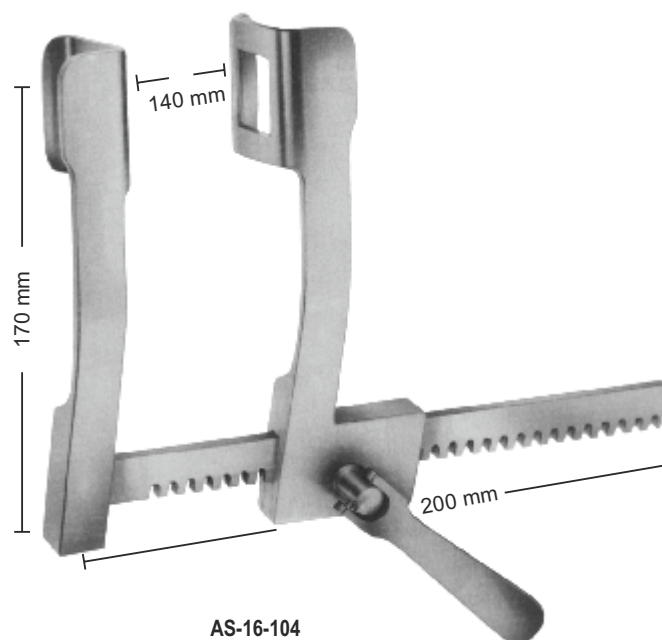
AS-16-101
FINOCHIETTO
for children
18X21 mm



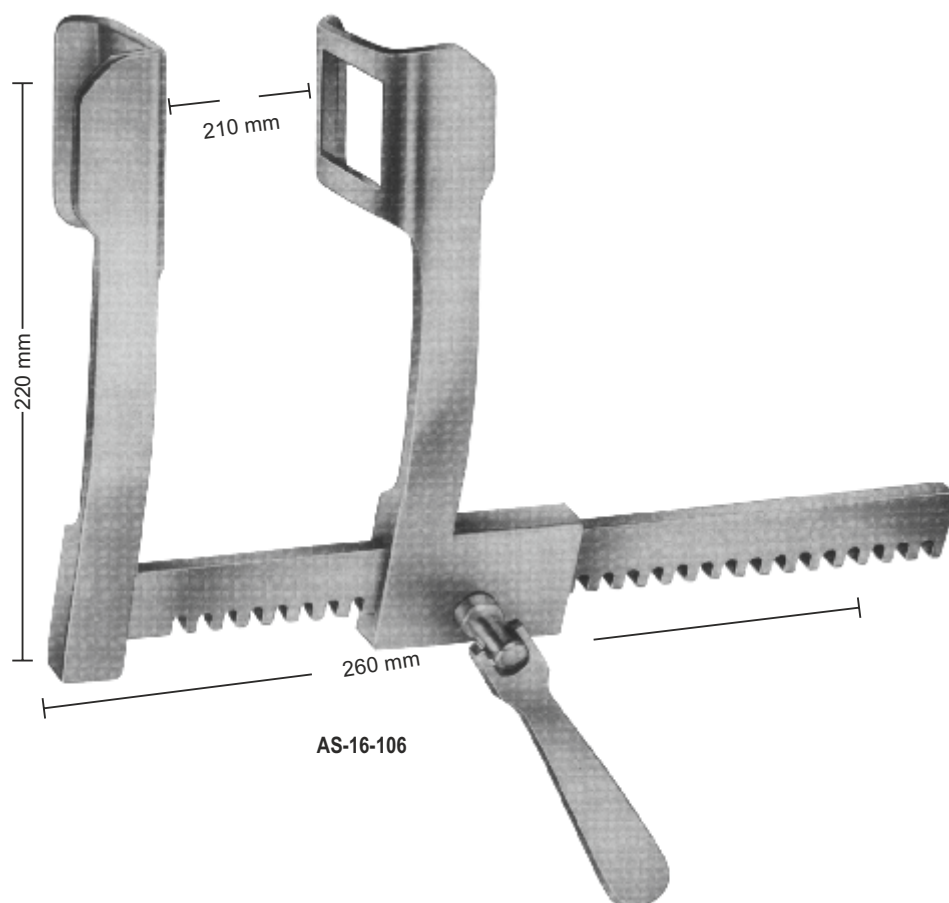
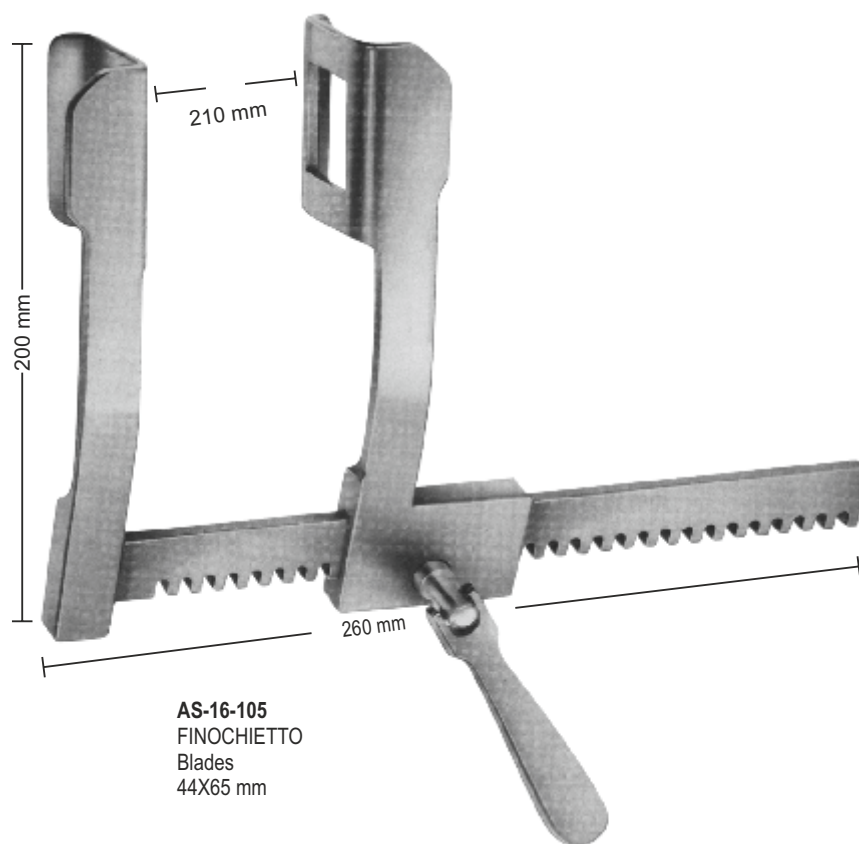
AS-16-102
HERTZLER
for children
20X25 mm

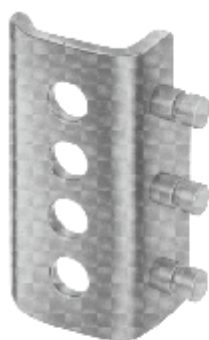


AS-16-103
TUFFIER
Blades
43X53 mm

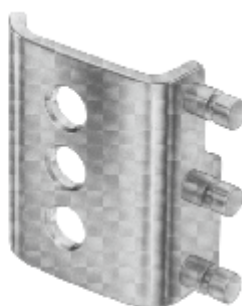


AS-16-104
FINOCHIETTO
Blades
36X45 mm

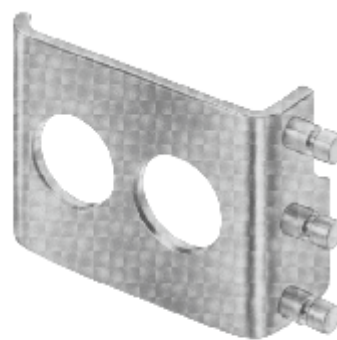




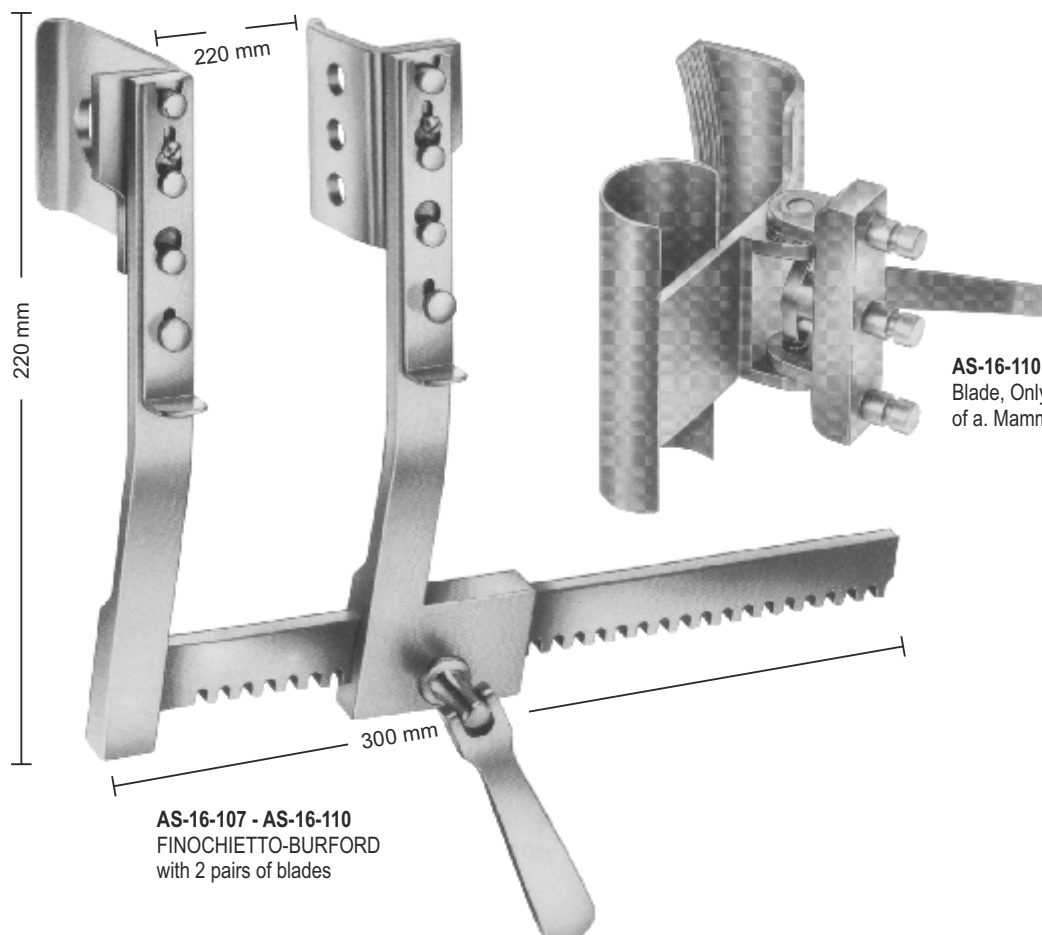
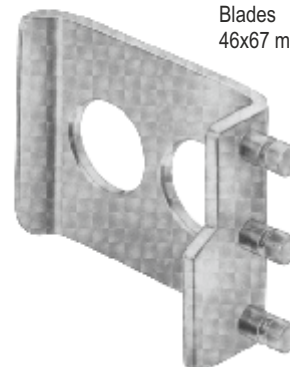
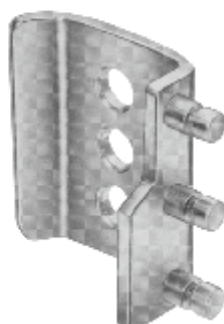
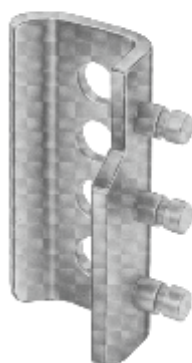
AS-16-107
Blades
46x67 mm



AS-16-108
Blades
80x67 mm

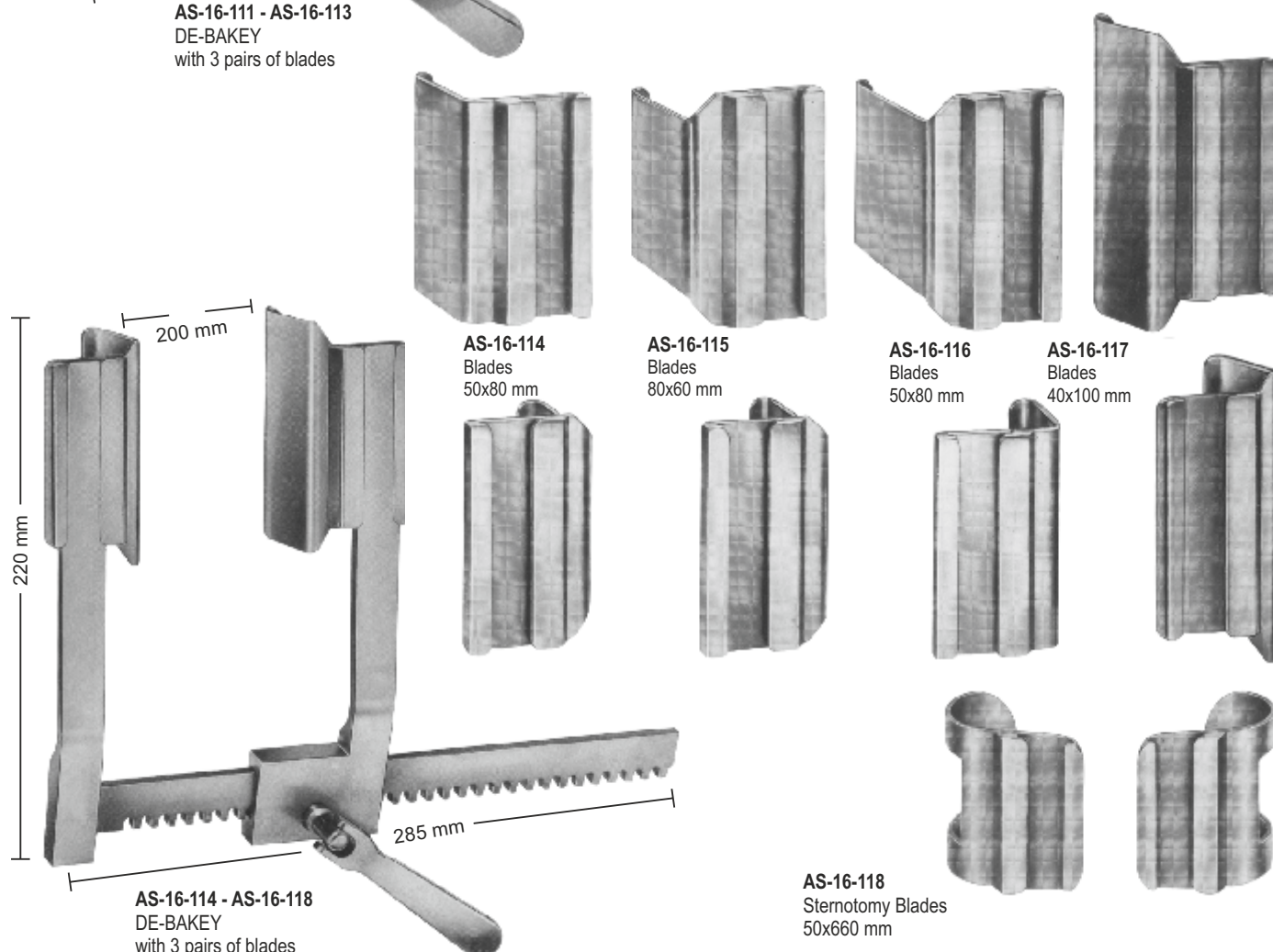
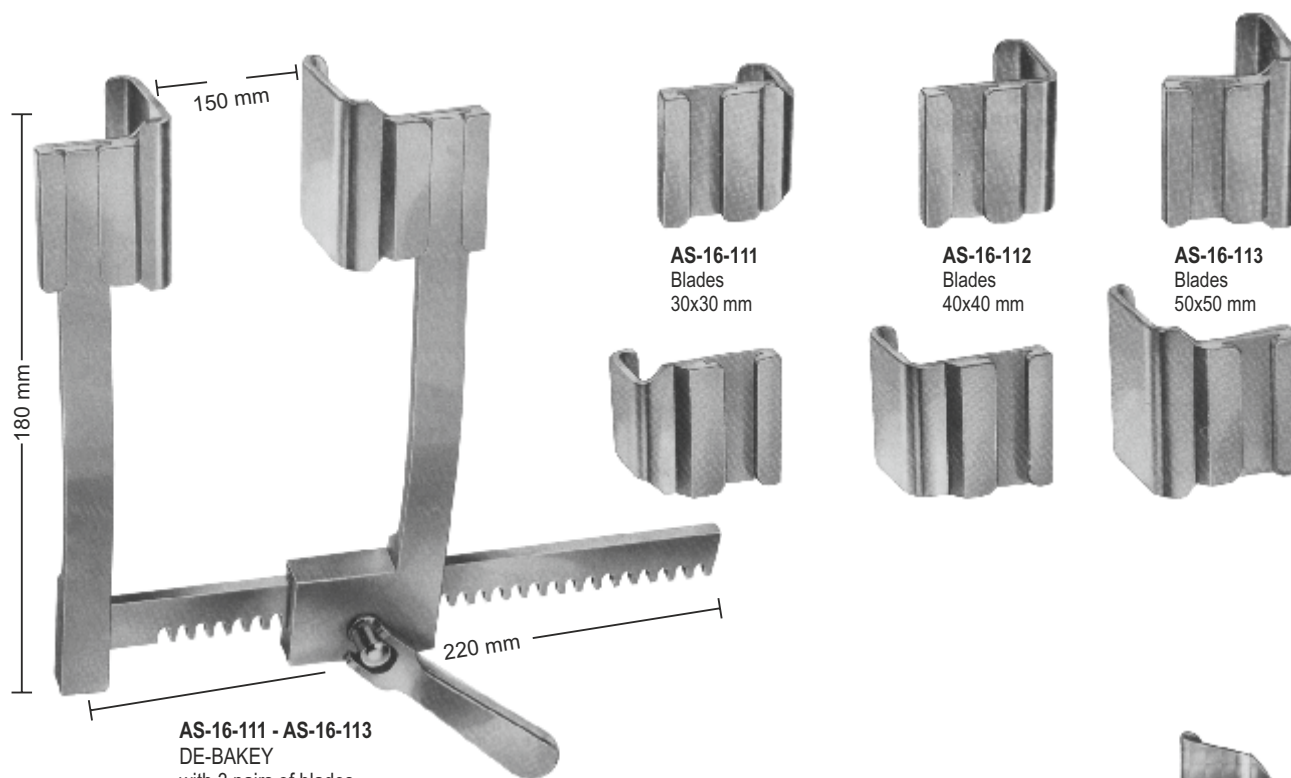


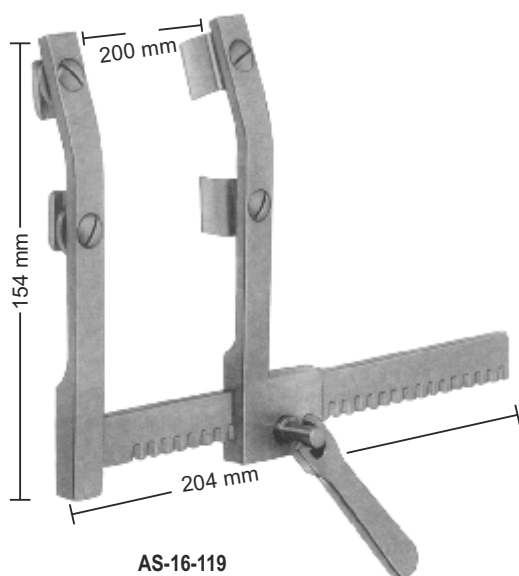
AS-16-109
Blades
46x67 mm



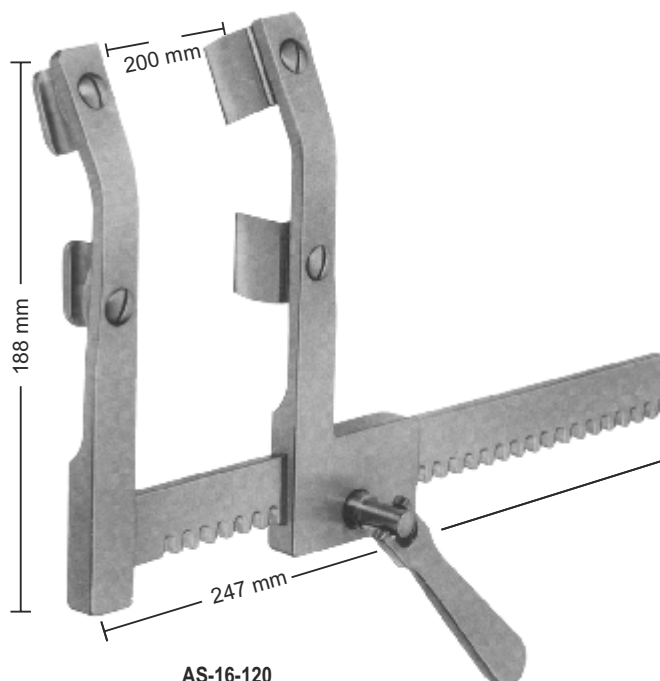
AS-16-110
Blade, Only, for preparation
of a. Mammaria, 25.5x80mm

AS-16-107 - AS-16-110
FINOCHIETTO-BURFORD
with 2 pairs of blades

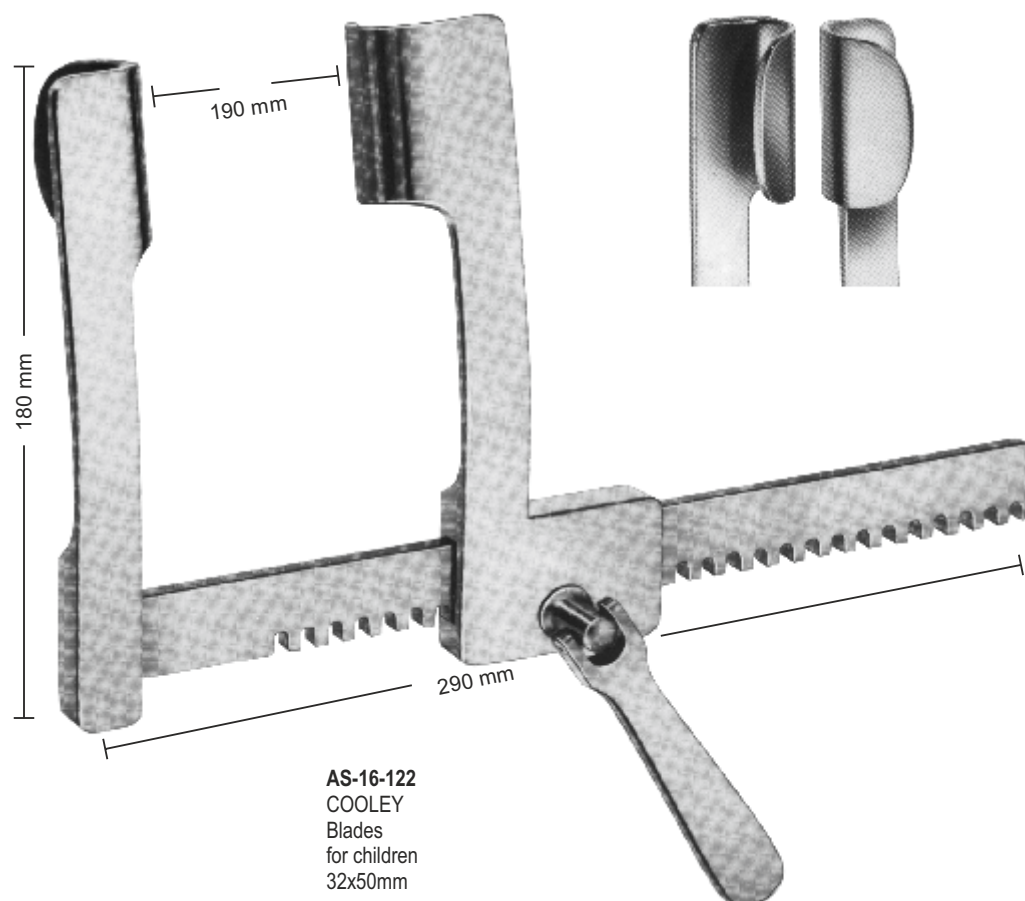
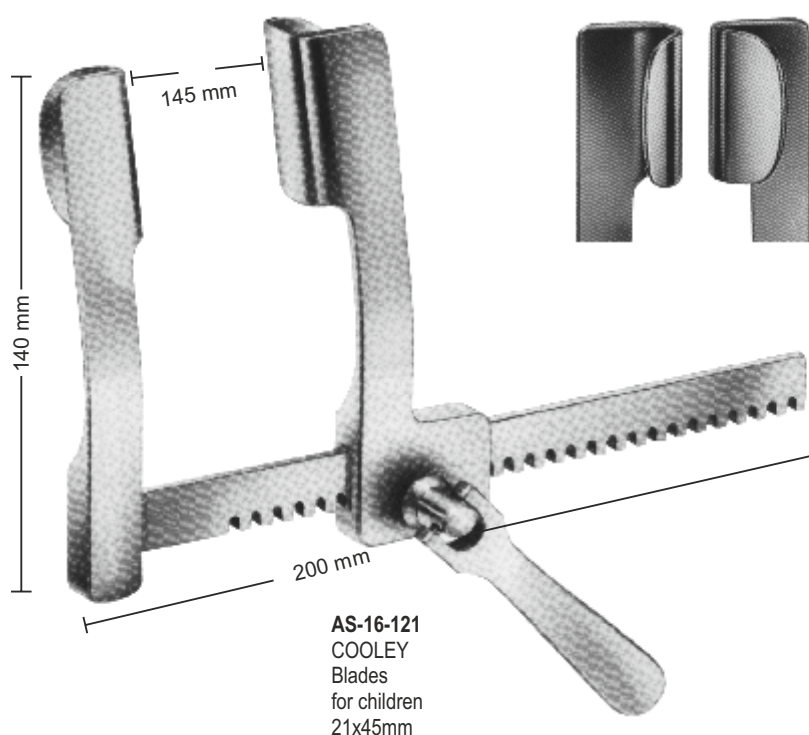




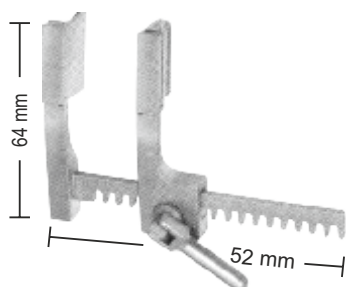
AS-16-119
MORSE
Sternotomy spreader
for children, with moveable
double, each blade
12x20 mm



AS-16-120
MORSE
Sternotomy spreader
for adults, with moveable
double, each blade
19x19 mm



STAINLESS STEEL



AS-16-123 - AS-16-124
for blades, with 2 pairs of blades
9X20 mm 9X10 mm, spreading 52 mm

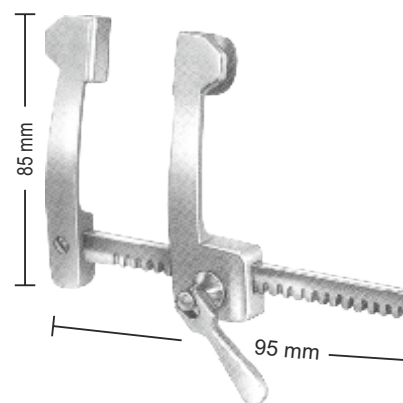


AS-16-123
Blades, only
9x20 mm



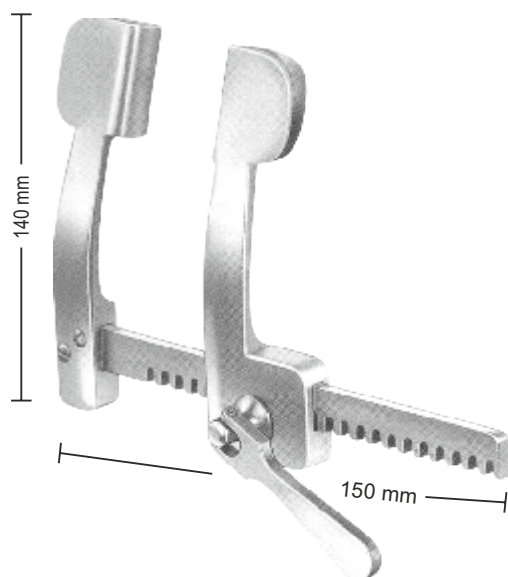
AS-16-124
Blades, only
9x10 mm

ALUMINIUM



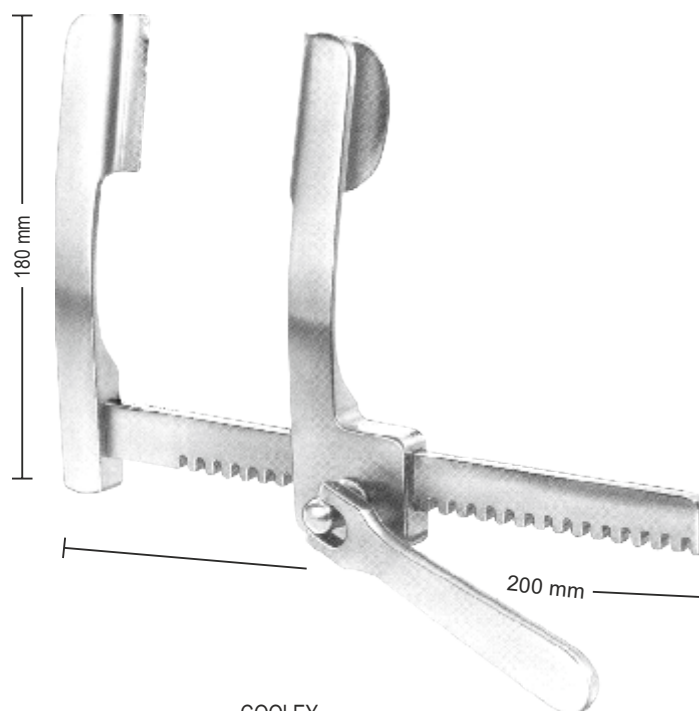
COOLEY
AS-16-125
for blades, lateral blades 12X16 mm,
spreading 95 mm

ALUMINIUM



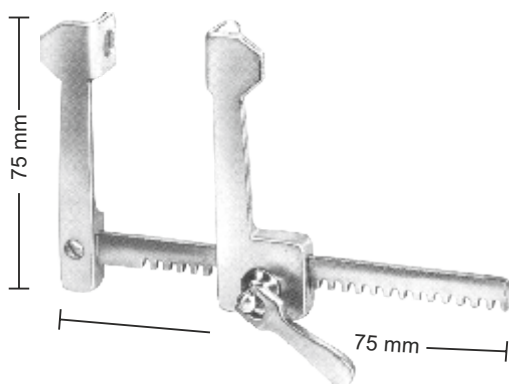
COOLEY
AS-16-126
for children, lateral blades 21X44 mm,
spreading 150 mm

ALUMINIUM



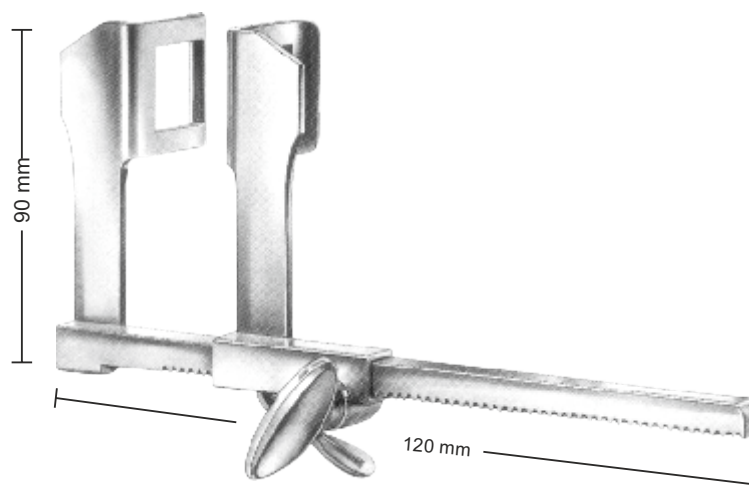
COOLEY
AS-16-127
for adults, lateral blades 35X50 mm,
spreading 200 mm

ALUMINIUM



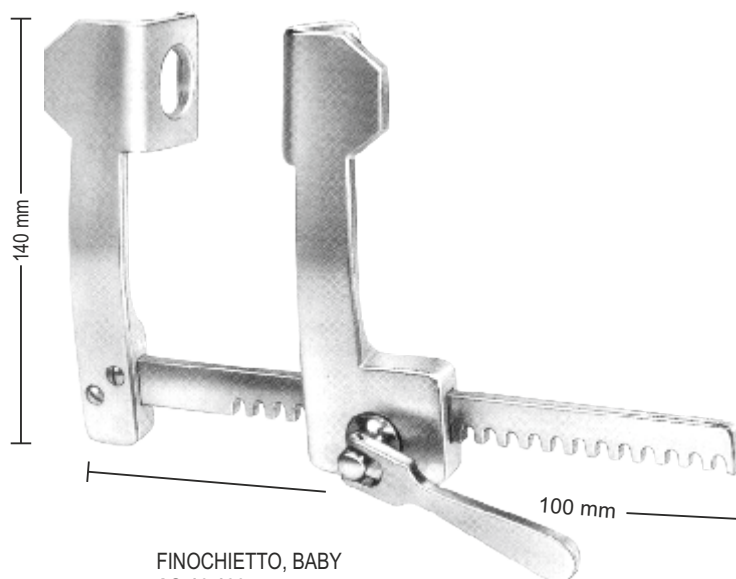
FINOCHIETTO, INFANT
AS-16-128
for children, lateral blades 15X15 mm,
spreading 75 mm

STAINLESS STEEL

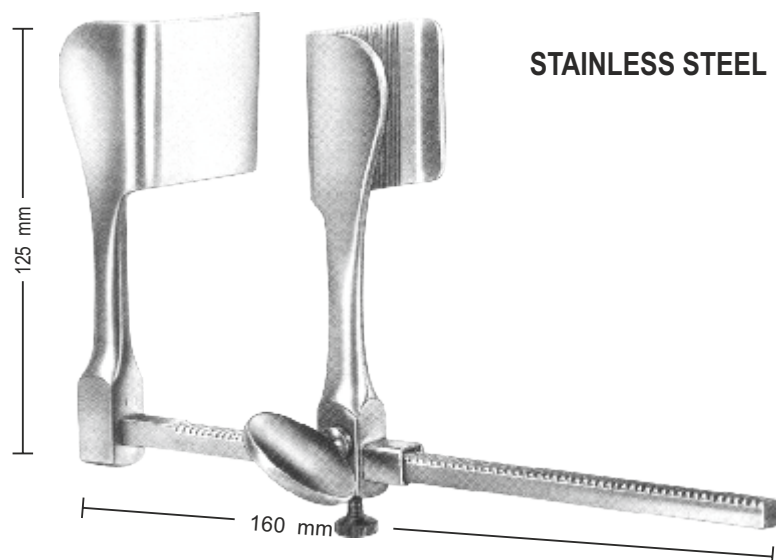


HAIGHT
AS-16-129
lateral blades 30X30 mm,
spreading 120 mm

ALUMINIUM

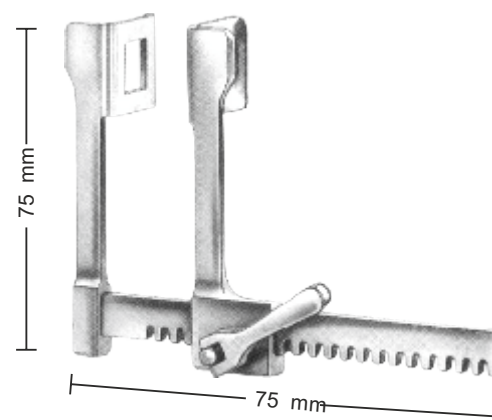


FINOCHIETTO, BABY
AS-16-130
for children, lateral blades 31X31 mm,
spreading 100 mm



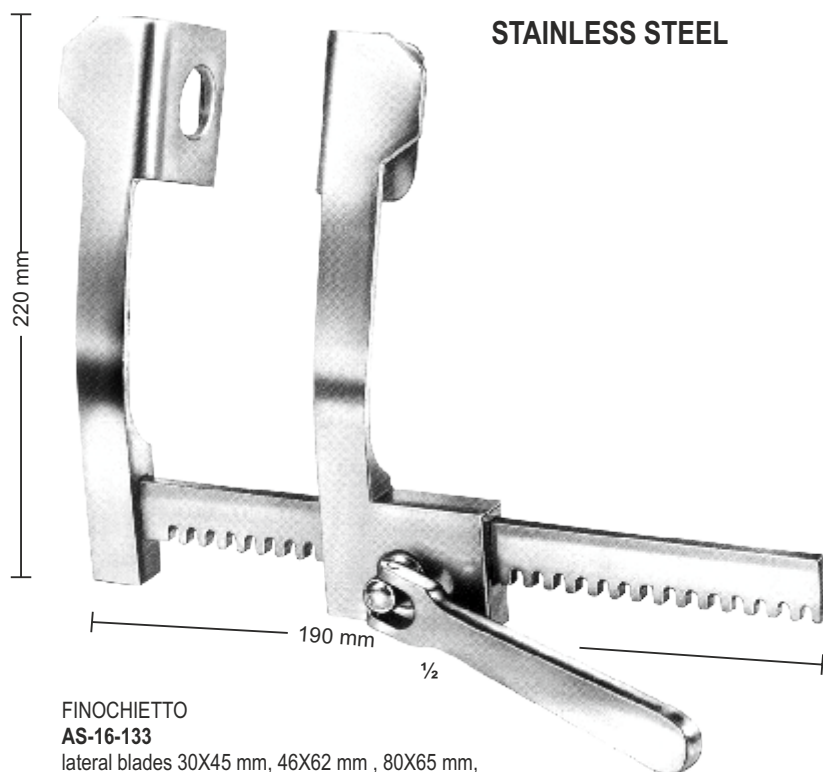
STAINLESS STEEL

TUFFIER
AS-16-131
lateral blades 45X45 mm,
spreading 160 mm



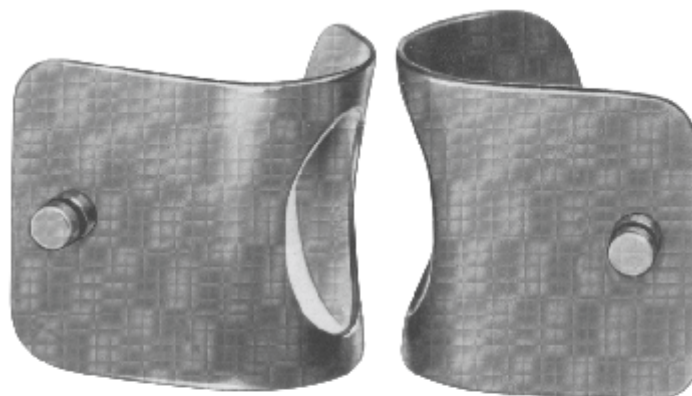
STAINLESS STEEL

FINOCHIETTO, BABY
AS-16-132
lateral blades 14X15 mm,
spreading 75 mm

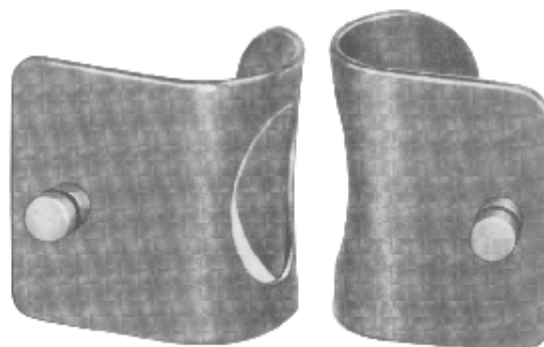


STAINLESS STEEL

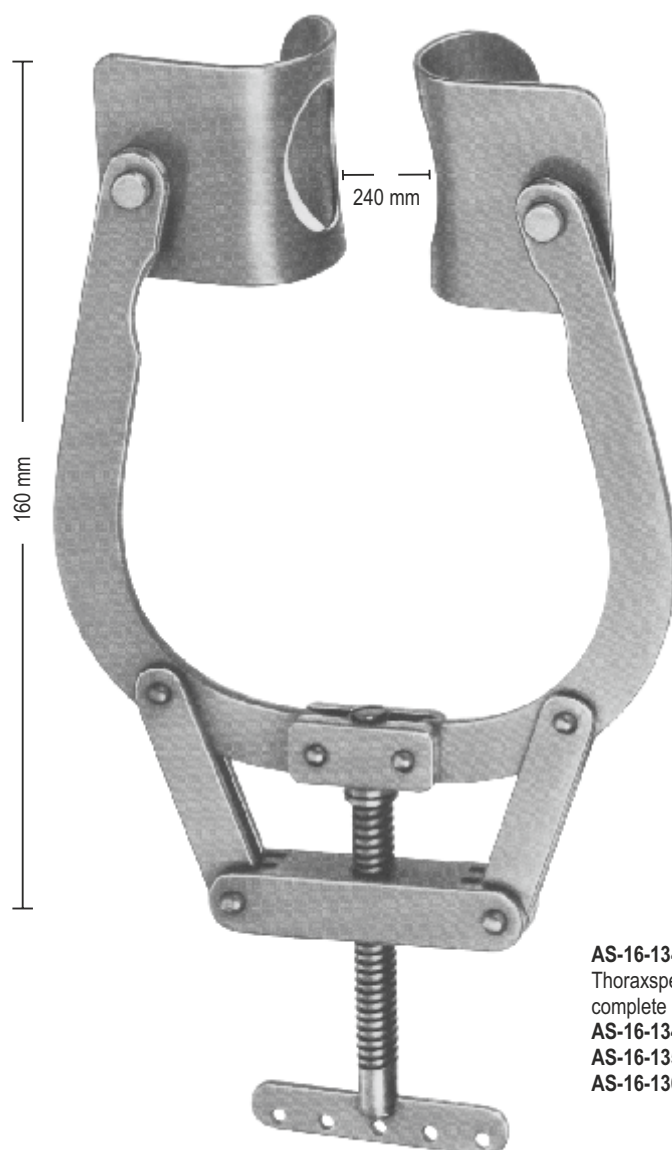
FINOCHIETTO
AS-16-133
lateral blades 30X45 mm, 46X62 mm, 80X65 mm,
spreading 150 mm, 190 mm, 190 mm



AS-16-135
Blades
75x75 mm

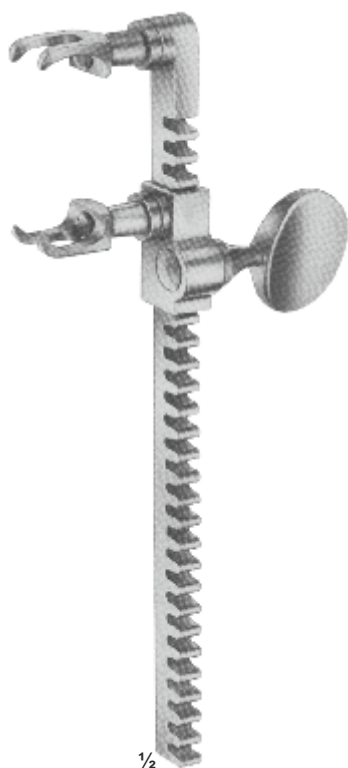


AS-16-136
Blades
42x65 mm



Blades with Ball Snap System
Delivery: in Pairs

AS-16-134 - AS-16-136
Thoraxsperrer (Mercedes-Sperrer)
complete consisting of:
AS-16-134 Retractor only
AS-16-135 1 Pair of blades 42x65 mm
AS-16-136 1 Pair of blades 75x75 mm



AS-16-137
SELLORS
Rib spreader and contractor
with swivel blades
200 mm



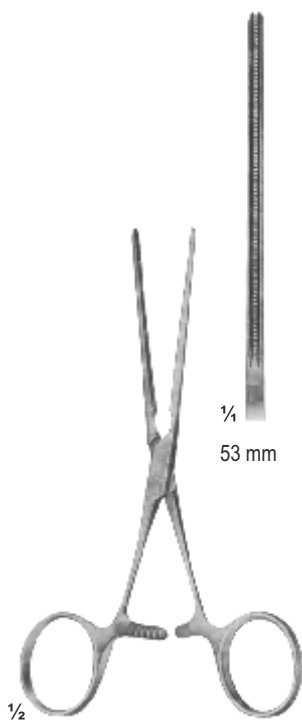
AS-16-138
BAILEY
150 mm



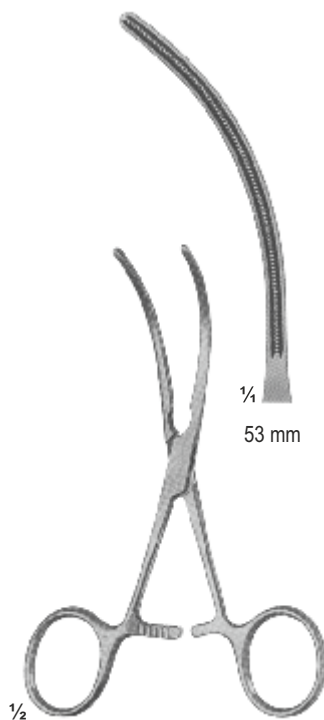
AS-16-139
for children

AS-16-140
for children

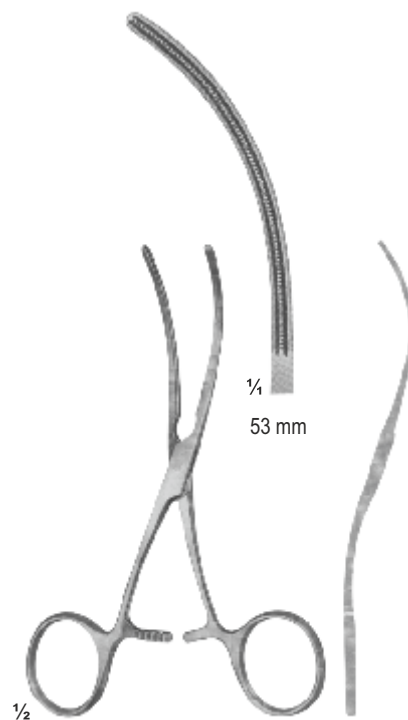
AS-16-139 - AS-16-141
BAILEY
200 mm



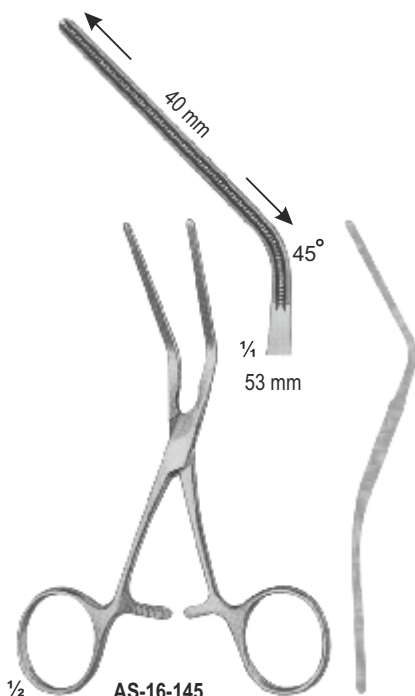
AS-16-142
DE-BAKEY
gerade straight
130 mm



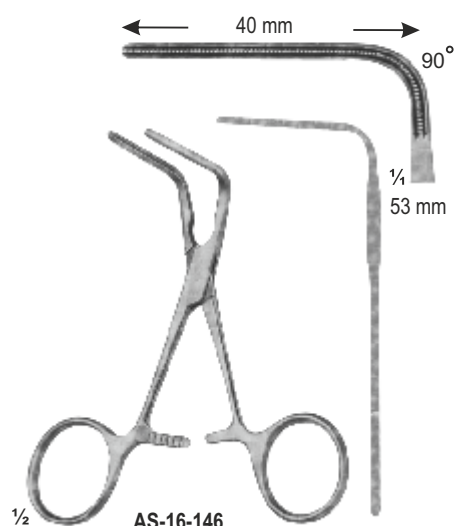
AS-16-143
DE-BAKEY
Maul gebogen
curved jaws
125 mm



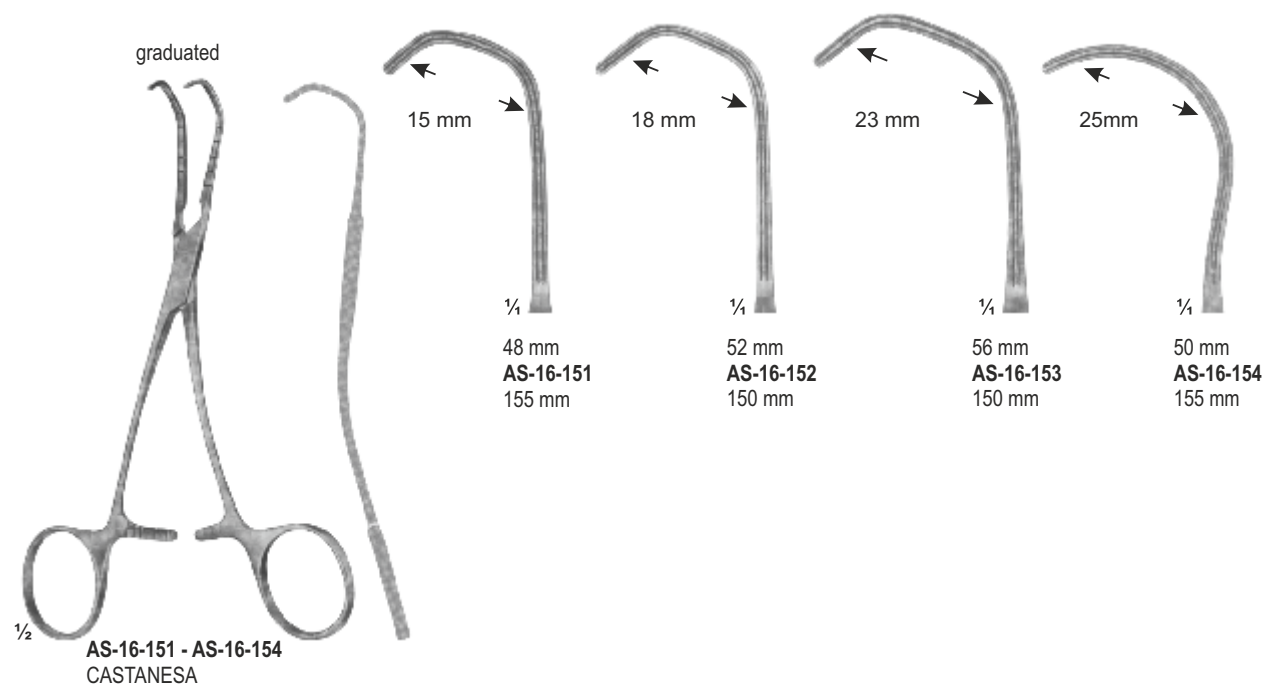
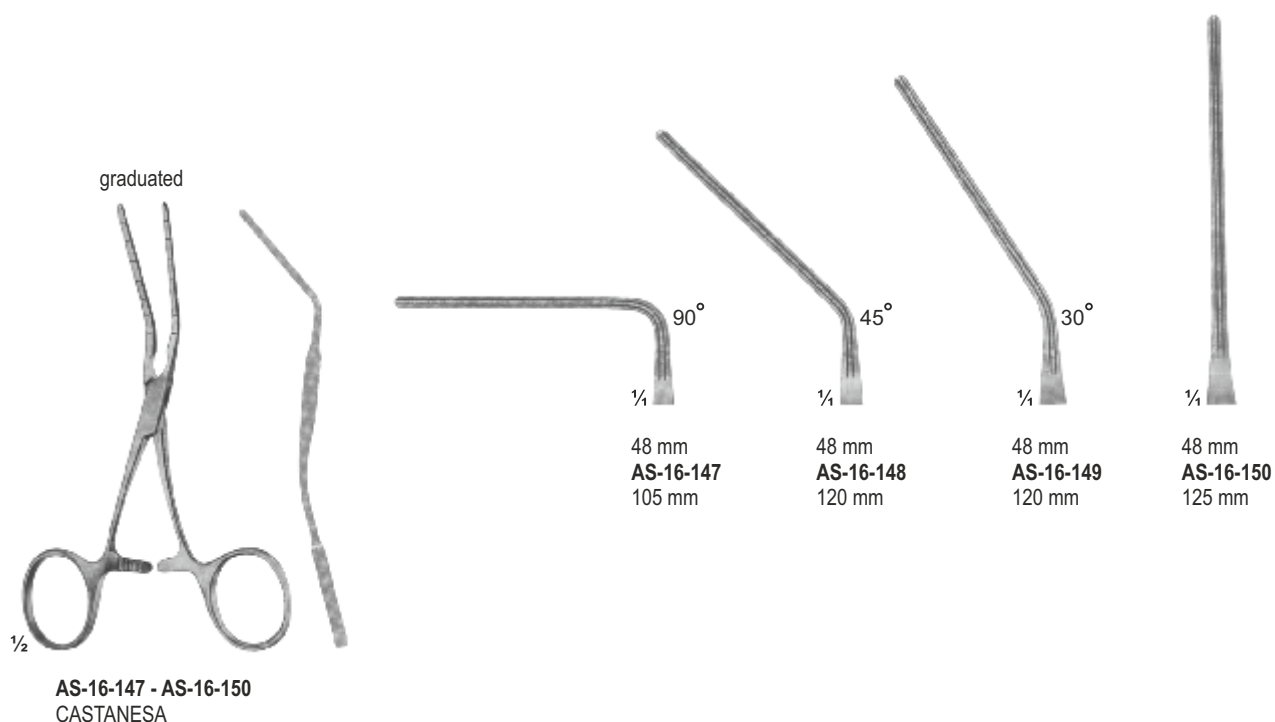
AS-16-144
DE-BAKEY
S-shaped curved
125 mm

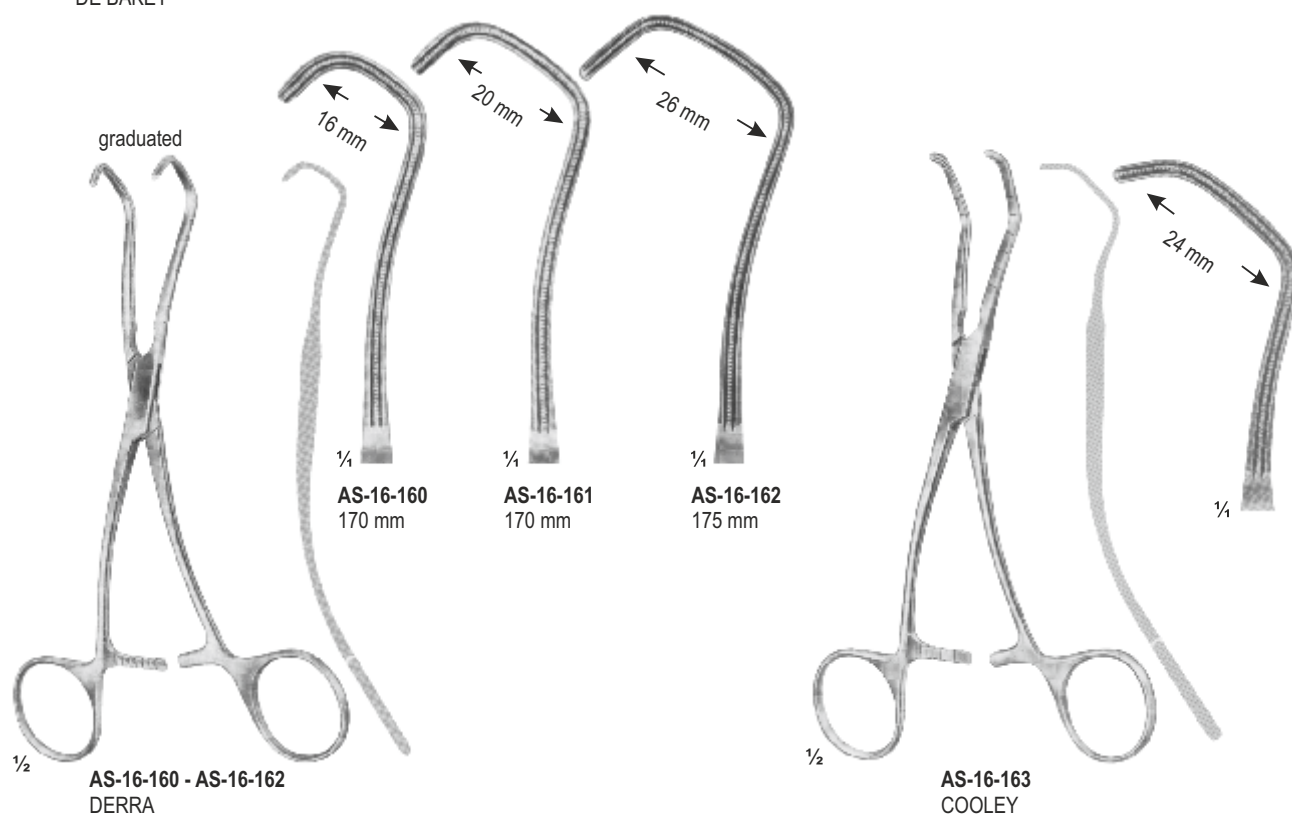
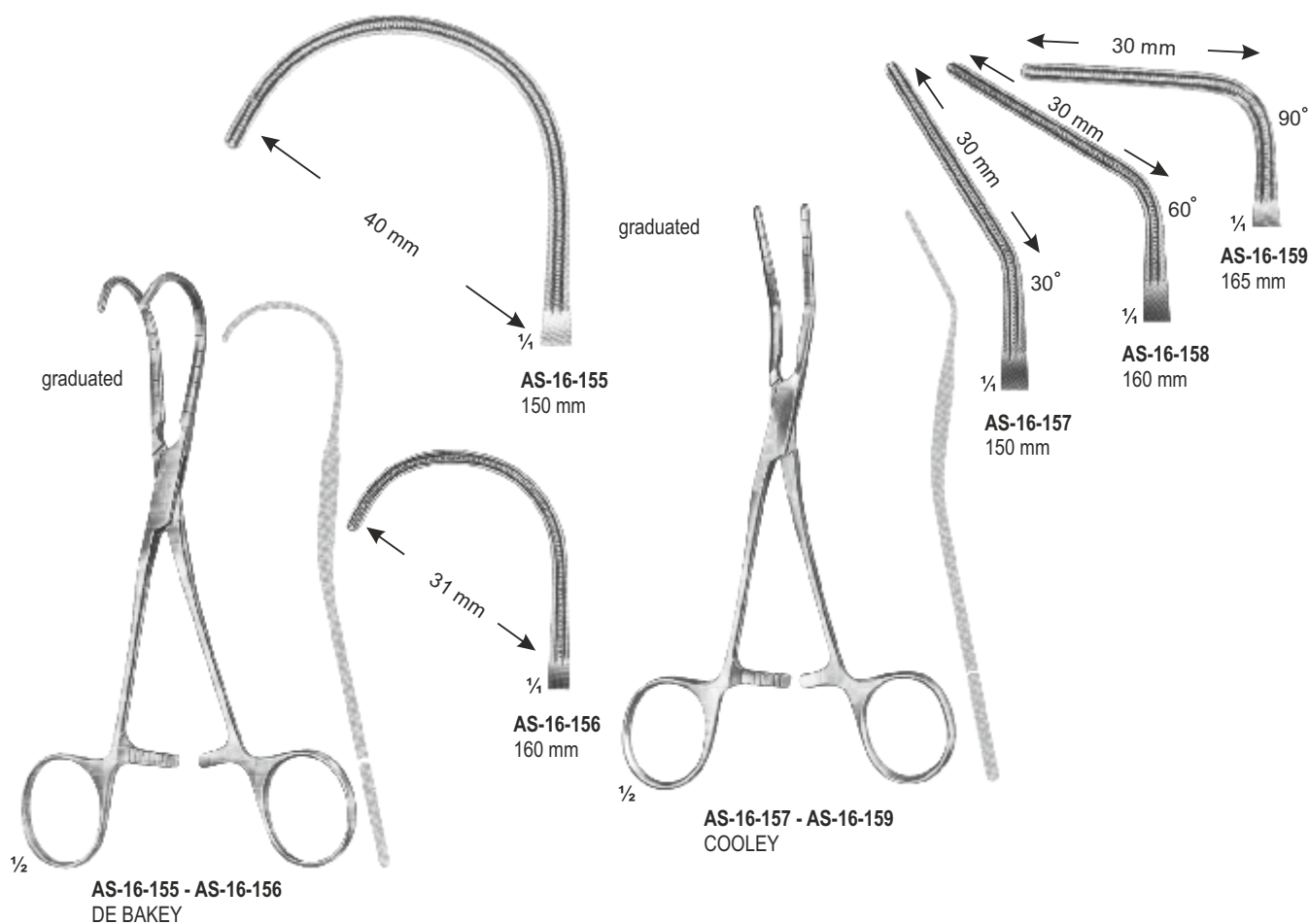


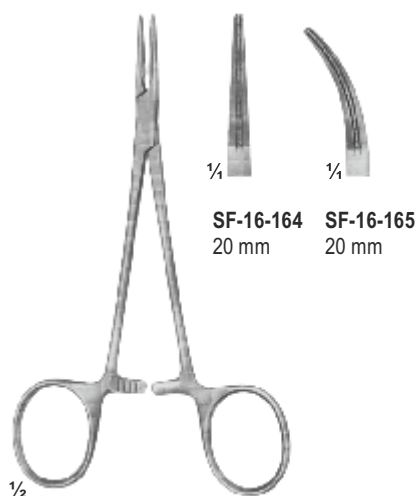
AS-16-145
DE-BAKEY
45° winklig gebogen
angled 45°
125 mm



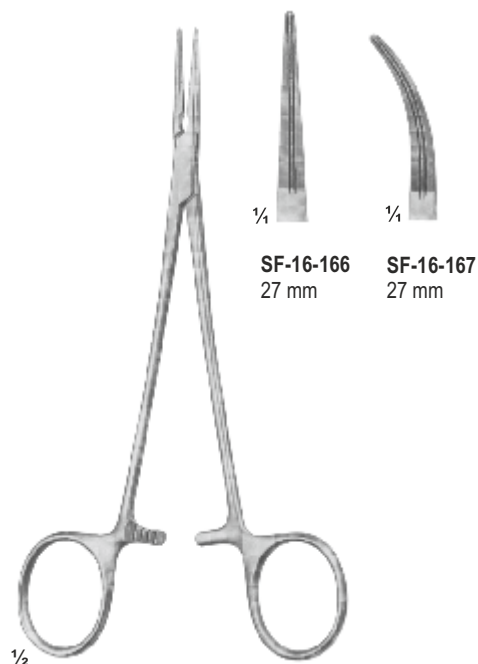
AS-16-146
DE-BAKEY
90° winklig gebogen
angled 90°
105 mm



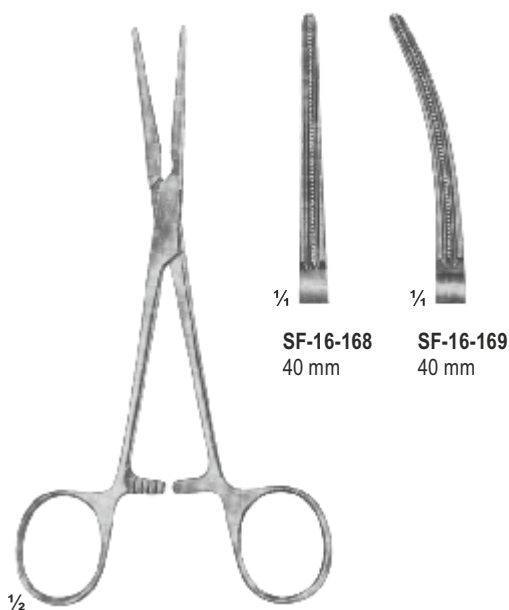




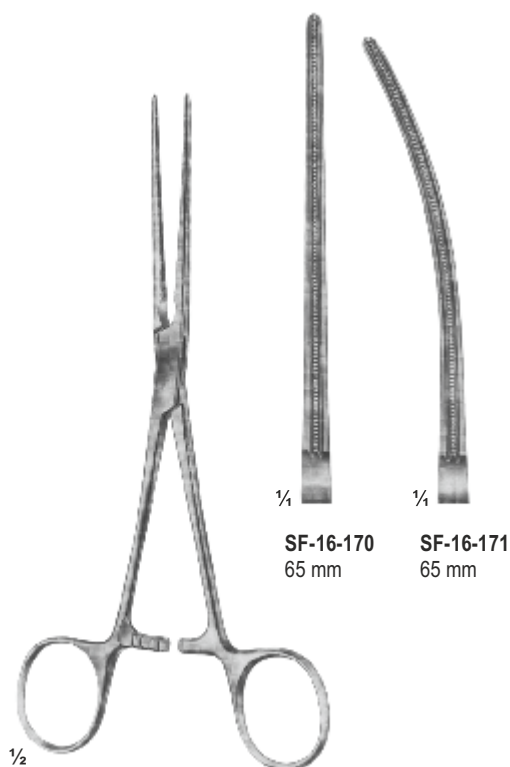
AS-16-164 - AS-16-165
HALSTED
125 mm



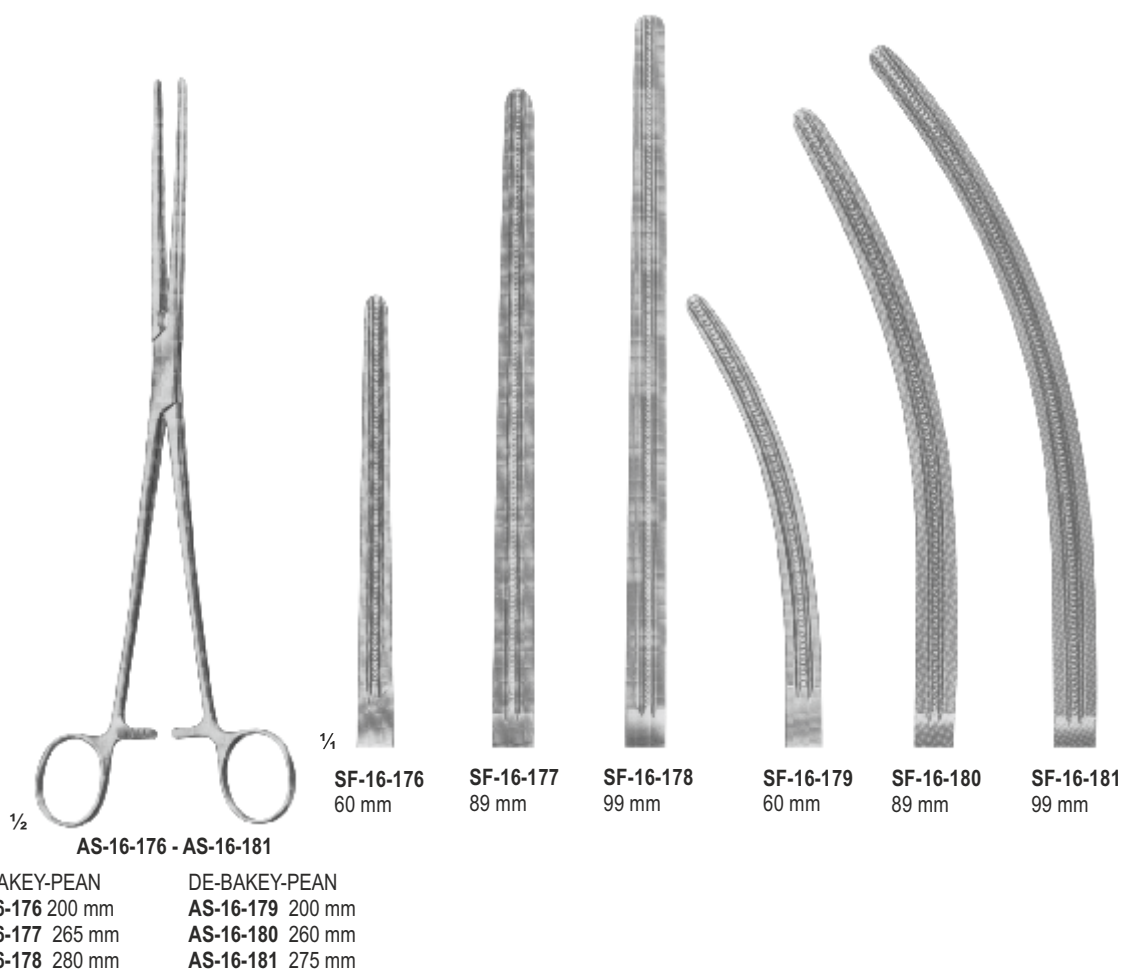
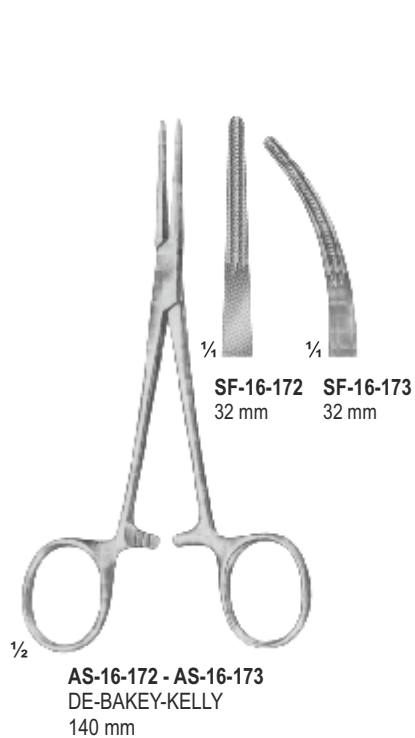
AS-16-166 - AS-16-167
RANKIN
165 mm

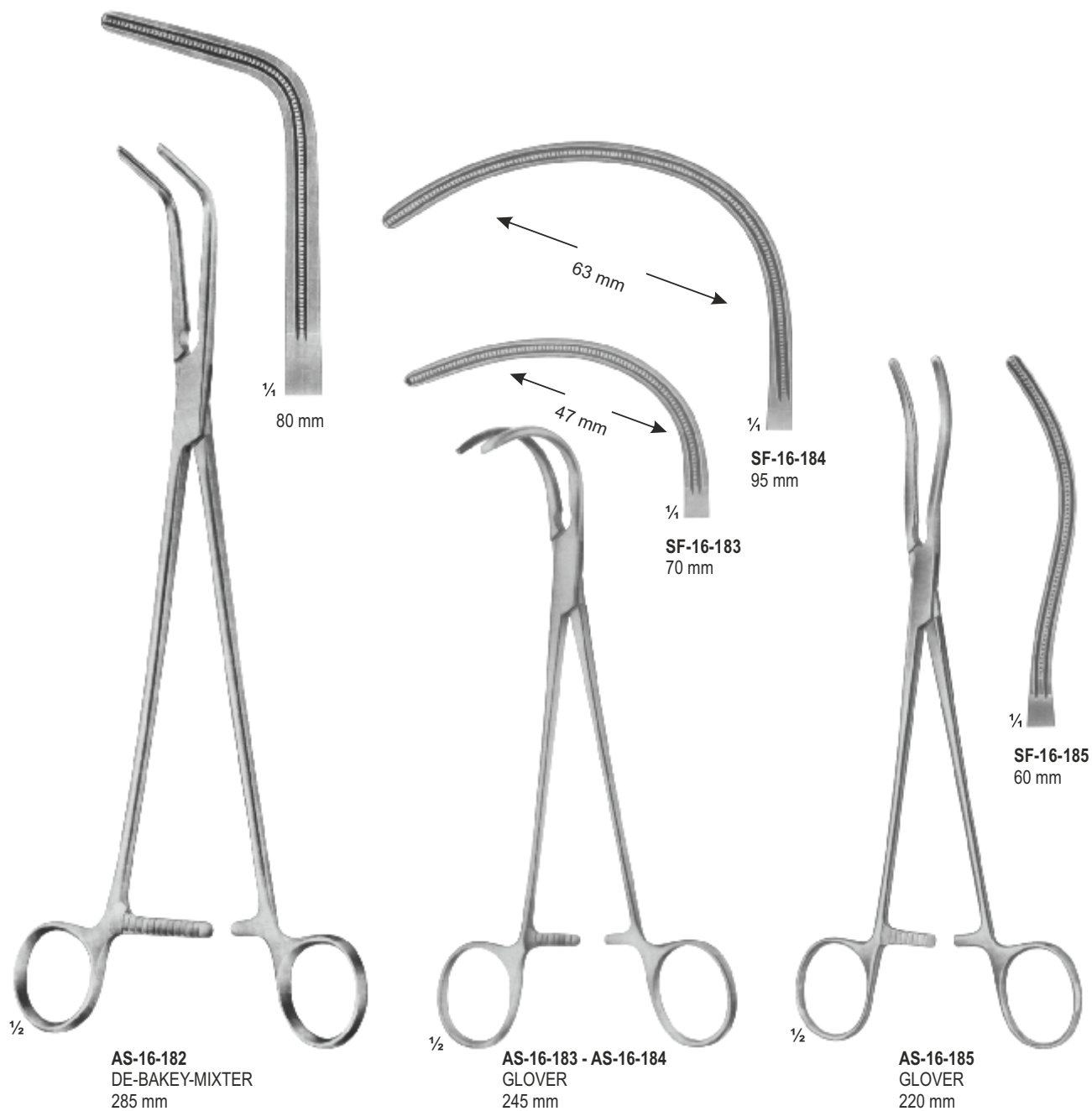


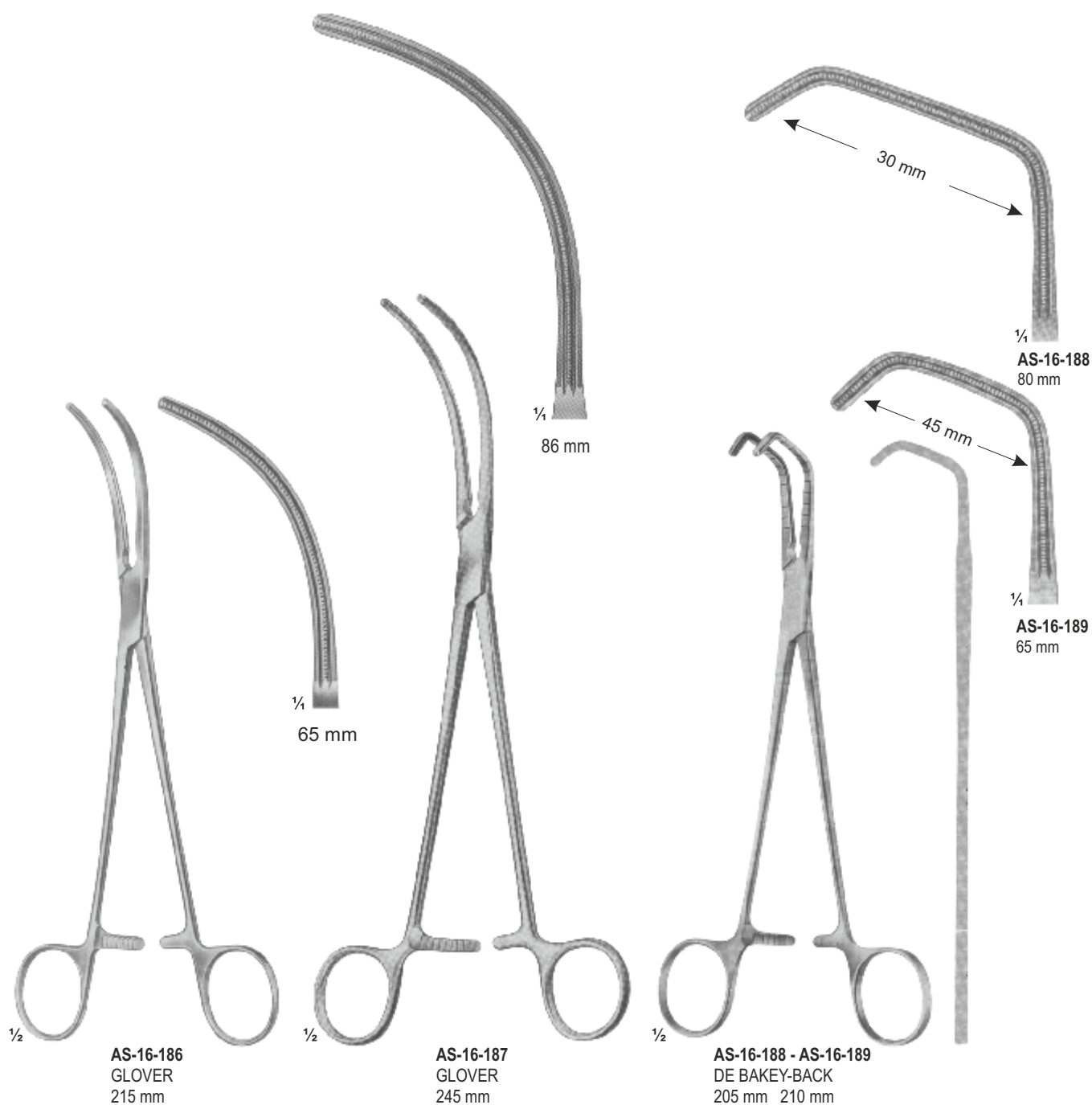
AS-16-168 - AS-16-169
DE BAKY-BAINRIDGE
155 mm



AS-16-170 - AS-16-171
DE BAKY-BAINRIDGE
180 mm









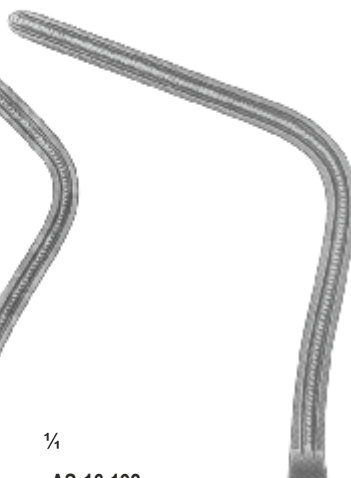
1/4
AS-16-190
86 mm



1/4
AS-16-191
86 mm



1/4
AS-16-192
86 mm



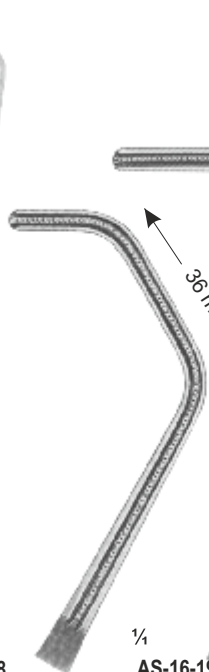
1/4
AS-16-193
86 mm

AS-16-190 - AS-16-193
DE BAKY-HARKEN
AS-16-190 - 255 mm
AS-16-191 - 245 mm
AS-16-192 - 245 mm
AS-16-193 - 245 mm

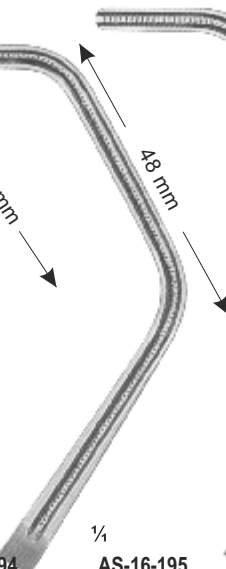


AS-16-194 - AS-16-198
DE BAKY

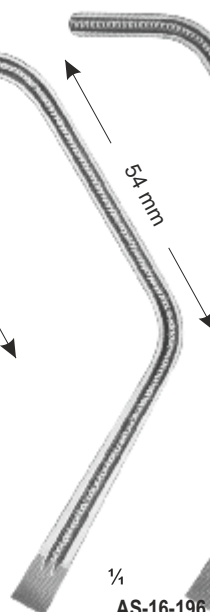
Total Length:
Length of jaws:



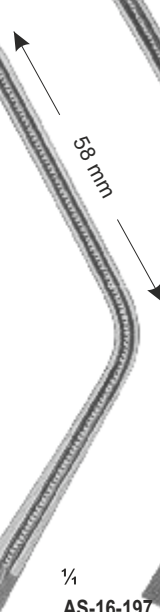
1/4
AS-16-194
220 mm
85 mm



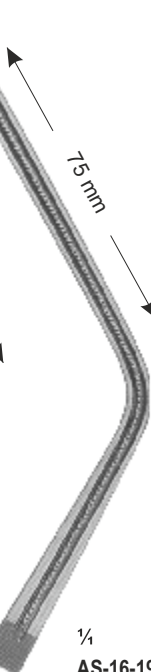
1/4
AS-16-195
256 mm
95 mm



1/4
AS-16-196
270 mm
99 mm



1/4
AS-16-197
270 mm
103 mm



1/4
AS-16-198
280 mm
119 mm



DE-BAKEY-KELLY
AS-16-199 - AS-16-200
140 mm



SF-16-199
32 mm



SF-16-200
32 mm



PEAN
AS-16-201 - AS-16-202
155 mm



SF-16-201
50 mm



SF-16-202
50 mm



AS-16-203 - AS-16-208

DE-BAKEY-PEAN	DE-BAKEY-PEAN
AS-16-203 200 mm	AS-16-206 200 mm
AS-16-204 265 mm	AS-16-207 260 mm
AS-16-205 280 mm	AS-16-208 275 mm



SF-16-203
60 mm



SF-16-204
89 mm



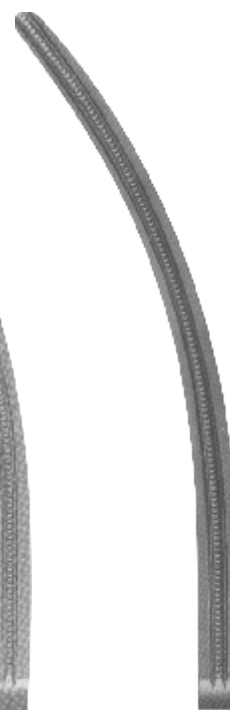
SF-16-205
99 mm



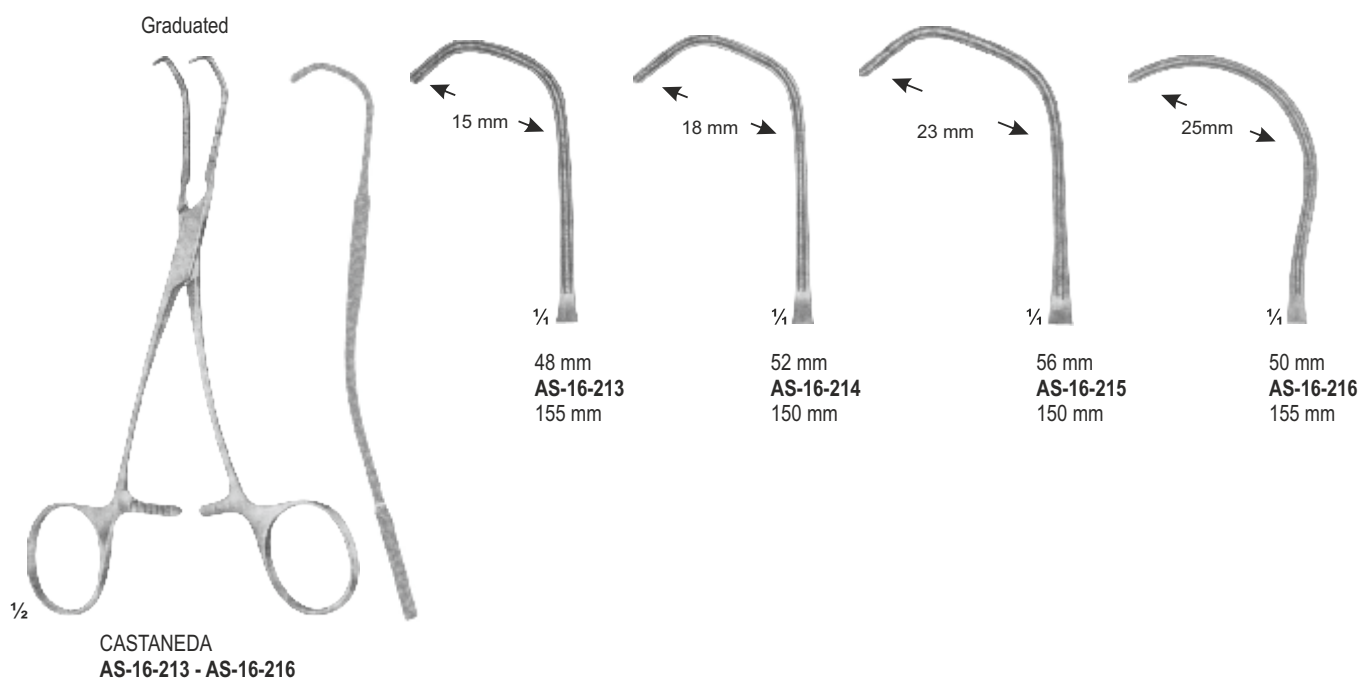
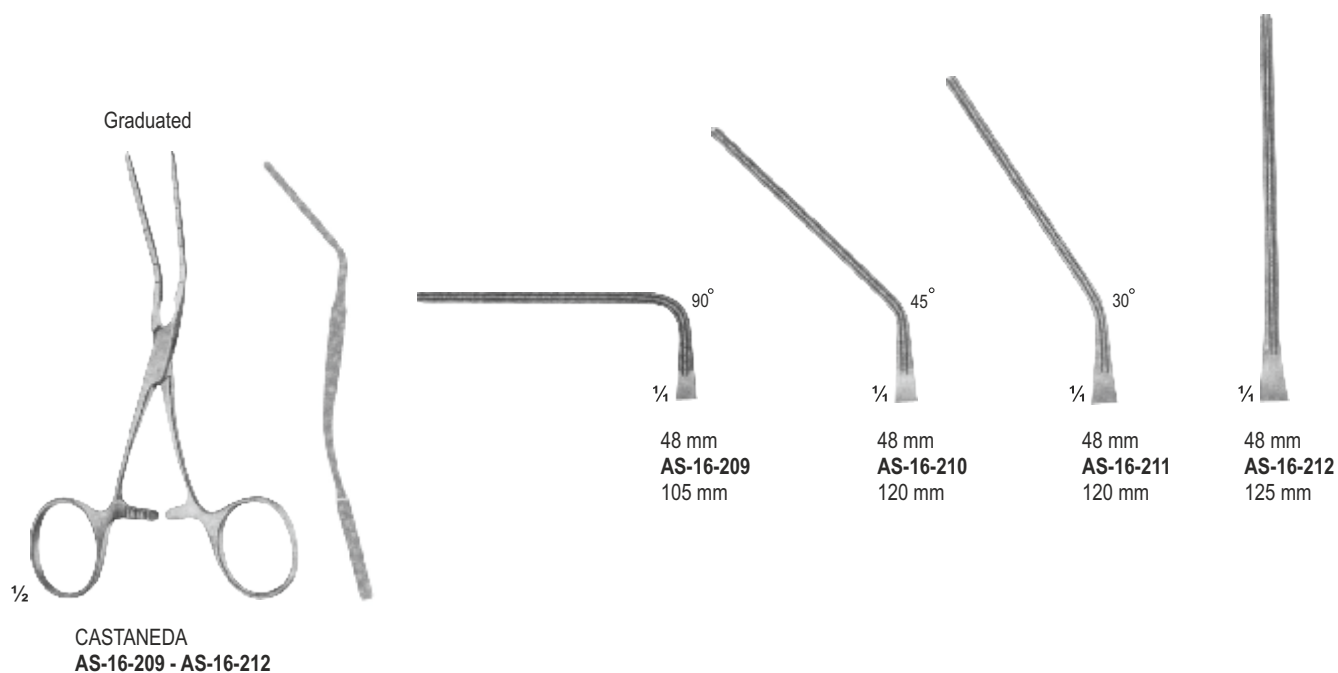
SF-16-206
60 mm

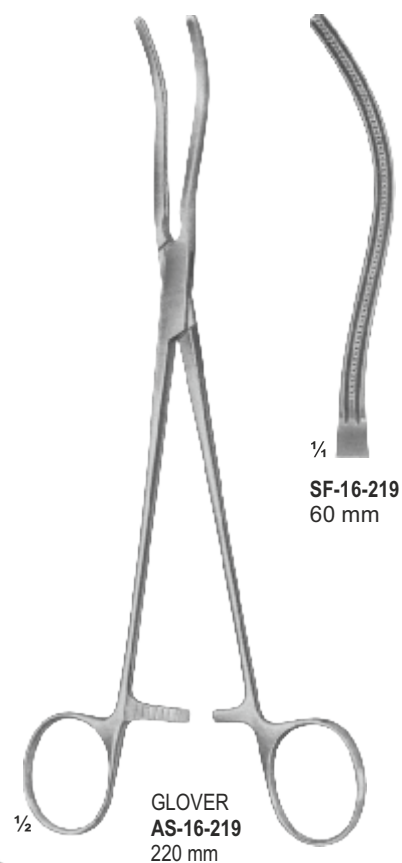
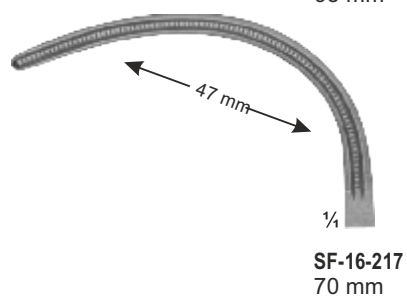
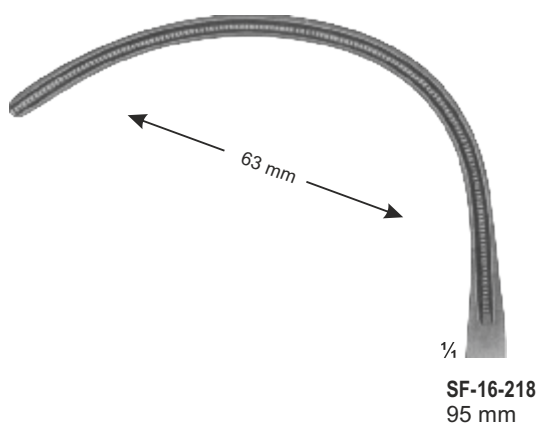


SF-16-207
89 mm

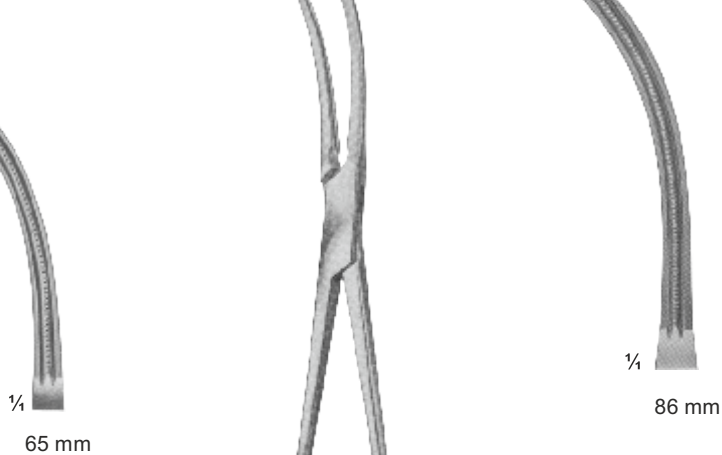
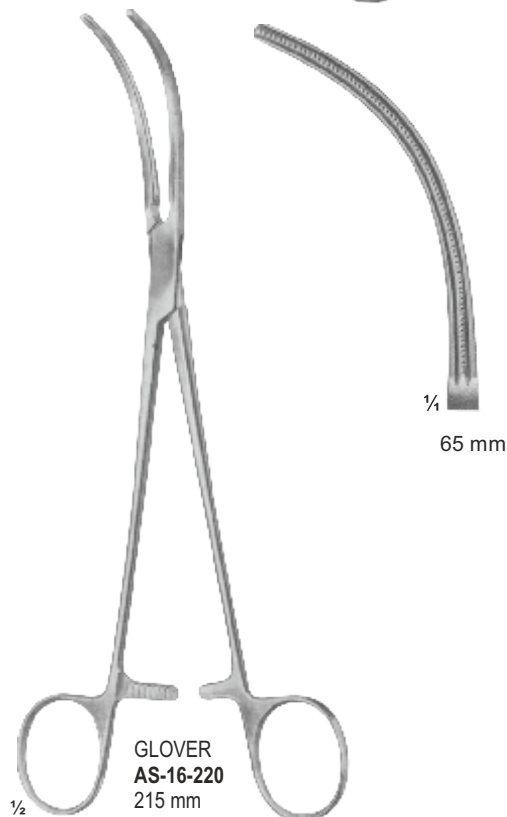


SF-16-208
99 mm



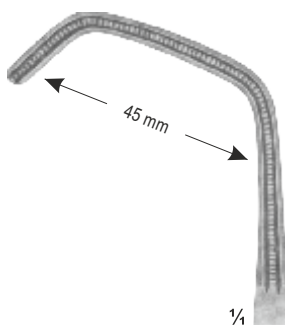


$\frac{1}{4}$
SF-16-219
60 mm

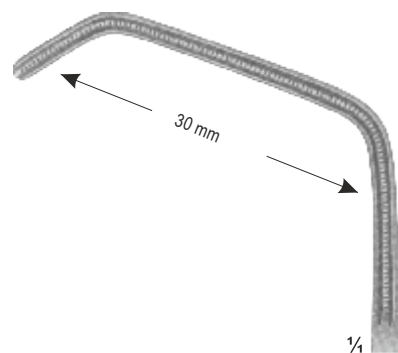




DE BAKEY-BACK
AS-16-222 20.5 cm
AS-16-223 21 cm



AS-16-222
65 mm



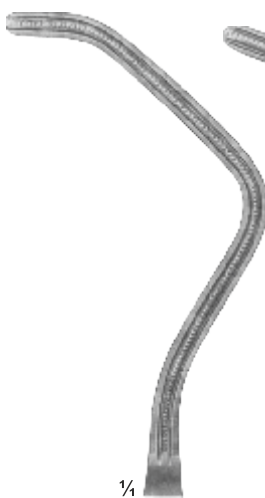
AS-16-223
80 mm



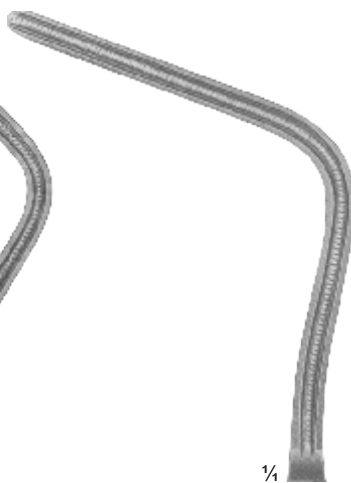
AS-16-224
86 mm



AS-16-225
86 mm



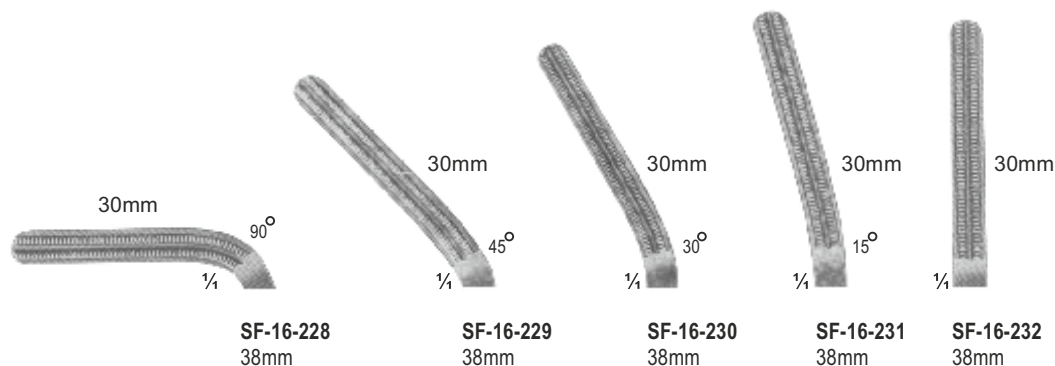
AS-16-226
86 mm



AS-16-227
86 mm



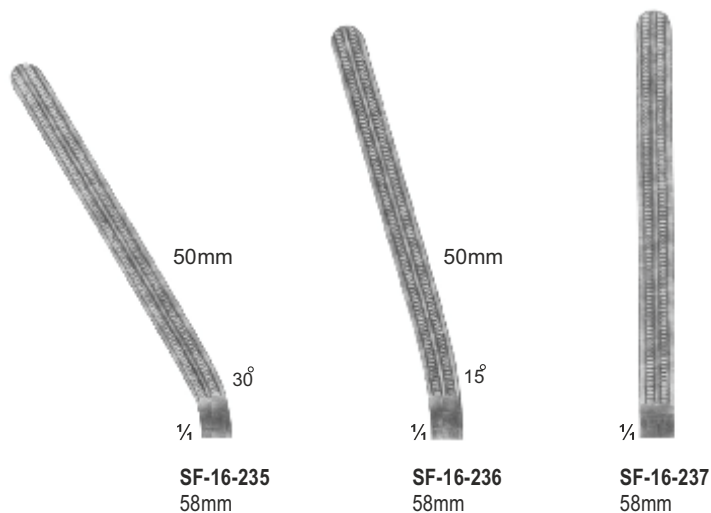
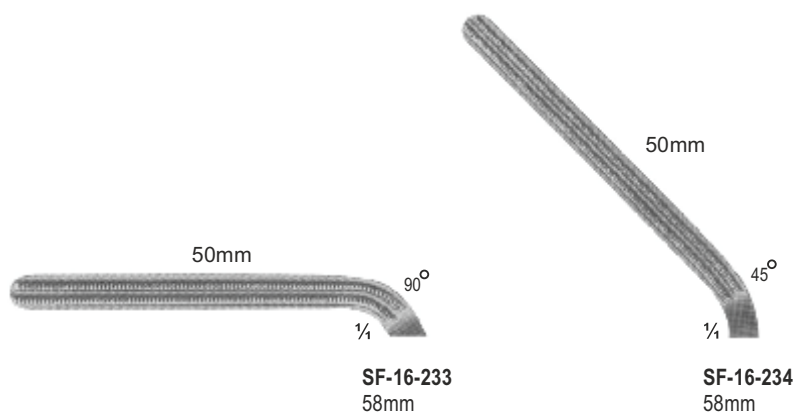
DE BAKEY-HARKEN
AS-16-224 25.5 cm
AS-16-225 24.5 cm
AS-16-226 24.5 cm
AS-16-227 24.5 cm



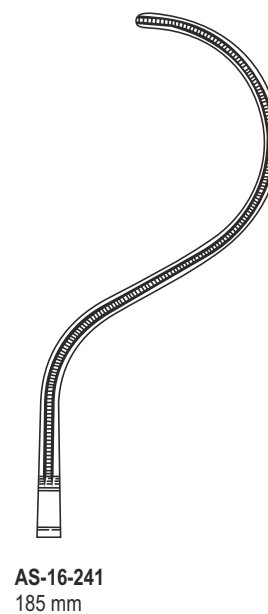
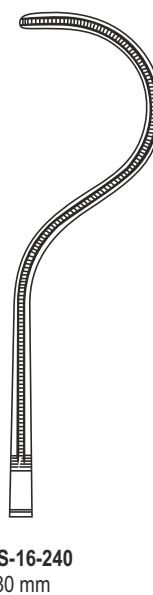
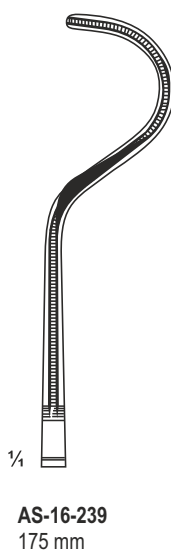
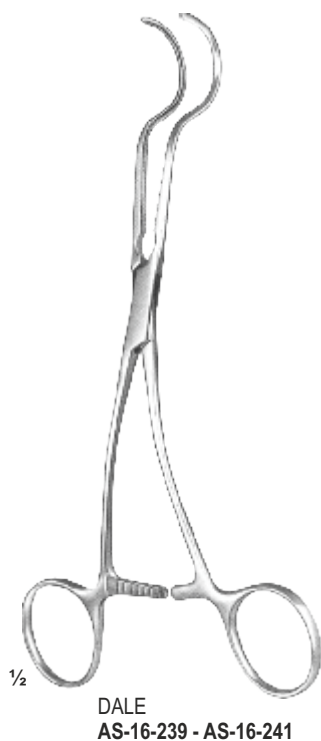
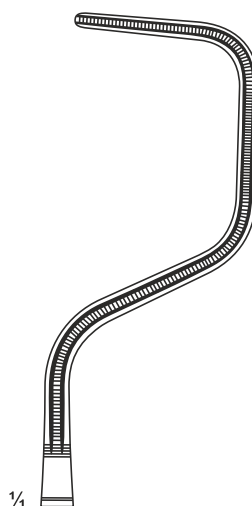
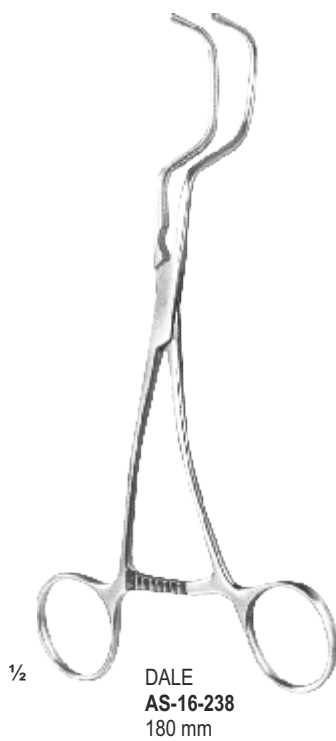
DARDIK

AS-16-228 15 cm
AS-16-229 15 cm
AS-16-230 15 cm
AS-16-231 14.5 cm
AS-16-232 13 cm

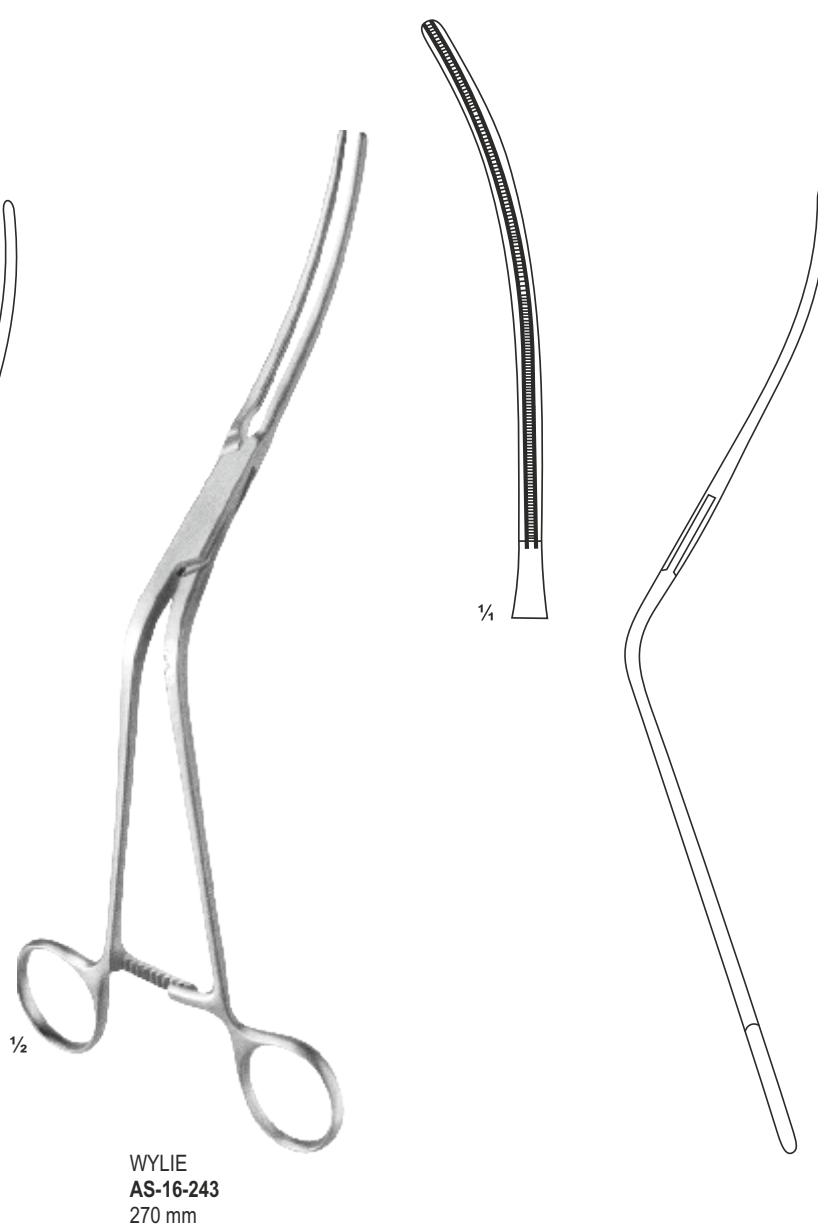
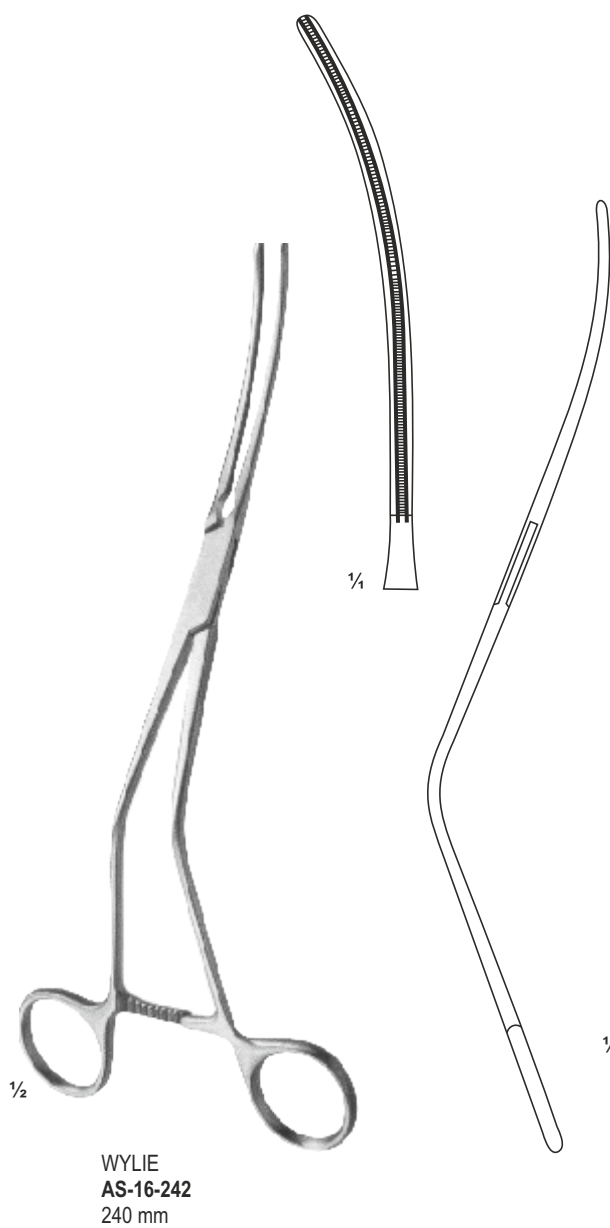
AS-16-233 17 cm
AS-16-234 17 cm
AS-16-235 17 cm
AS-16-236 16 cm
AS-16-237 13.5 cm

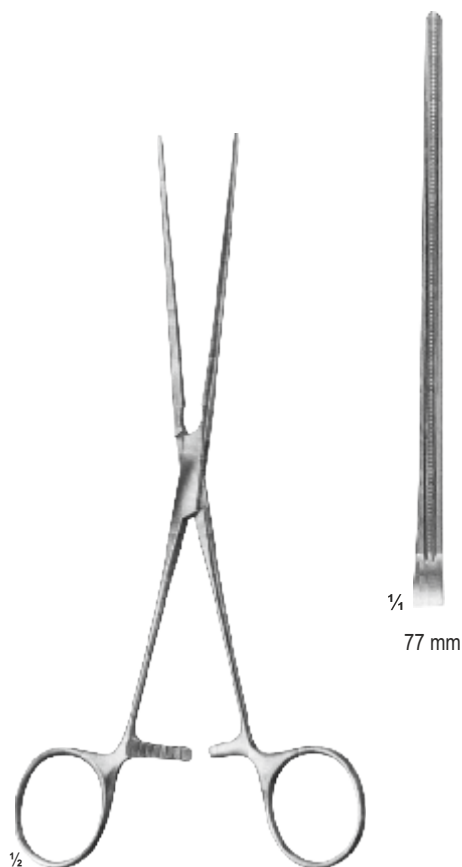


ATRAUMA

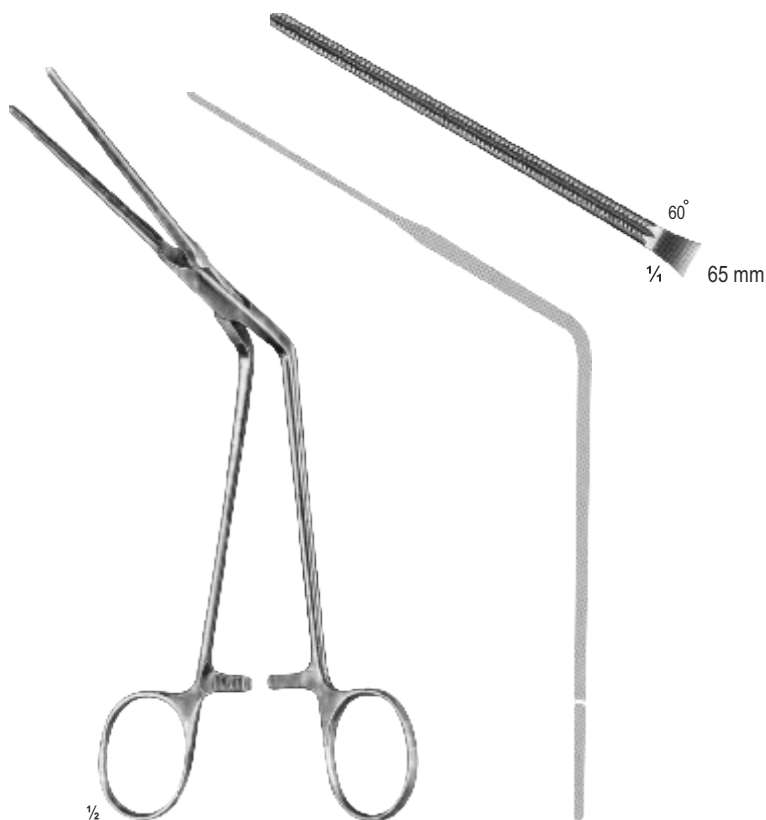


ATRAUMA

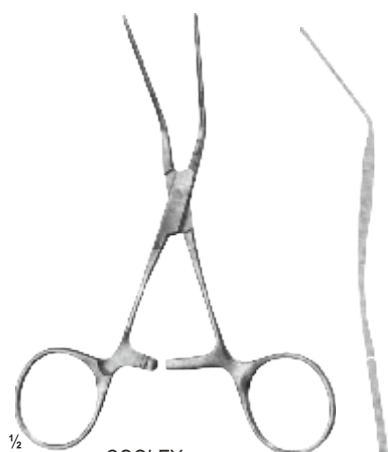




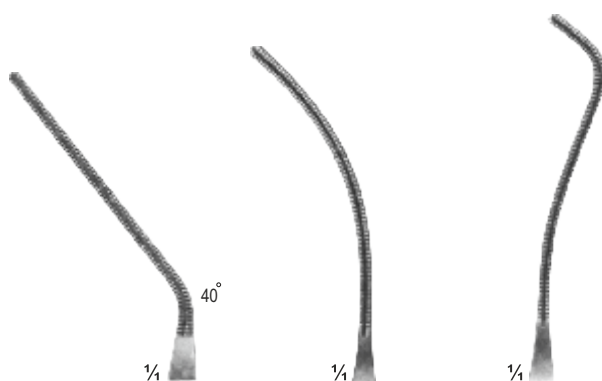
LELAND-JONES
AS-16-244
195 mm



DE BAKEY
AS-16-245
200 mm Liac Clamp



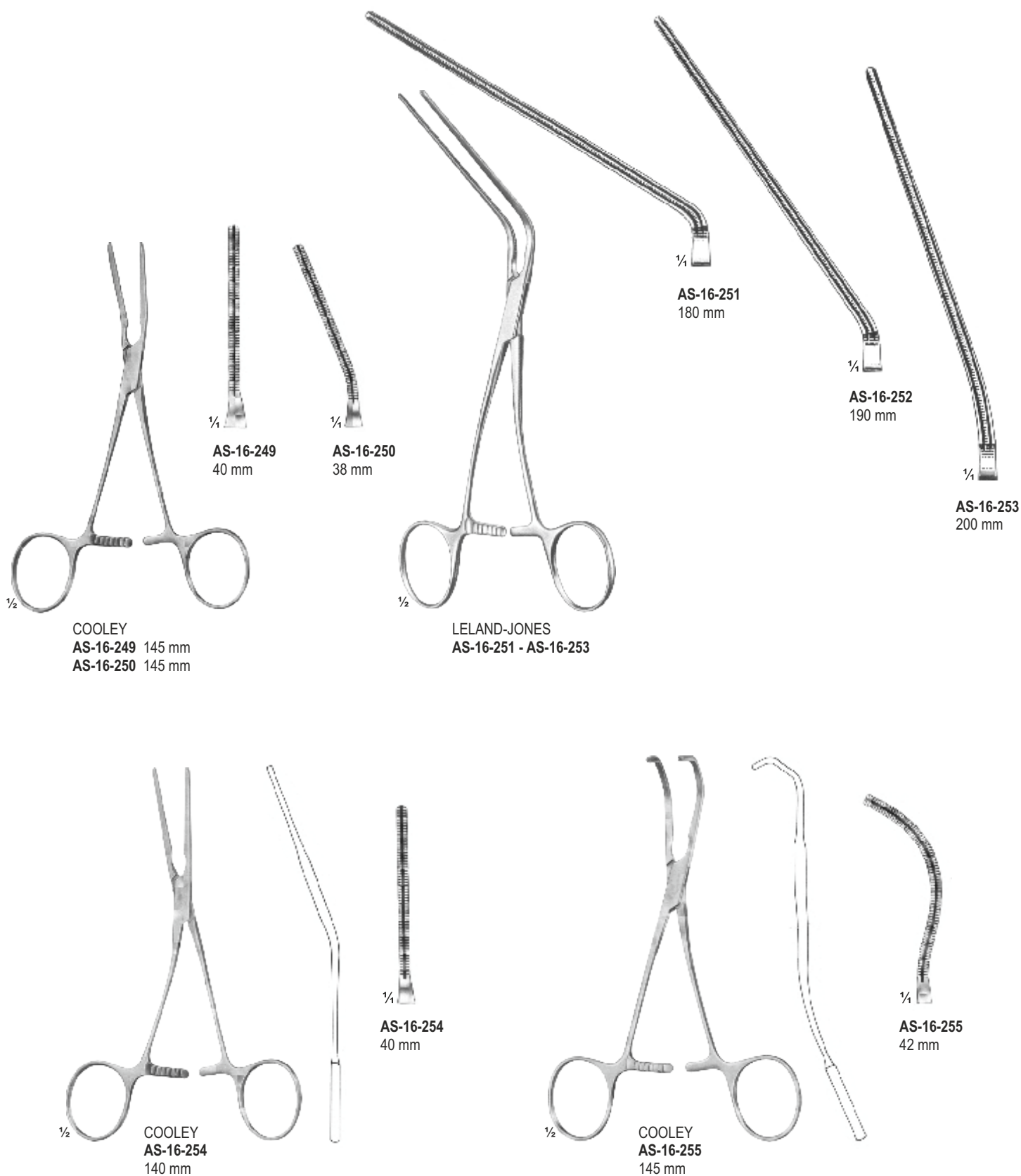
COOLEY
AS-16-246 120 mm
AS-16-247 125 mm
AS-16-248 125 mm

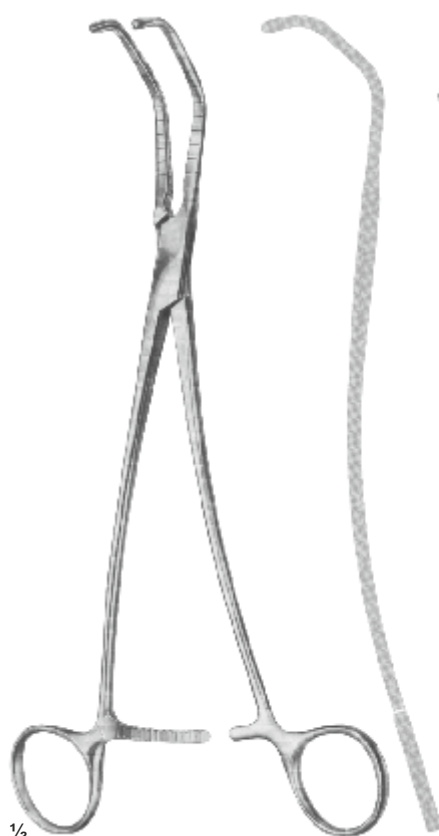


AS-16-246
50 mm

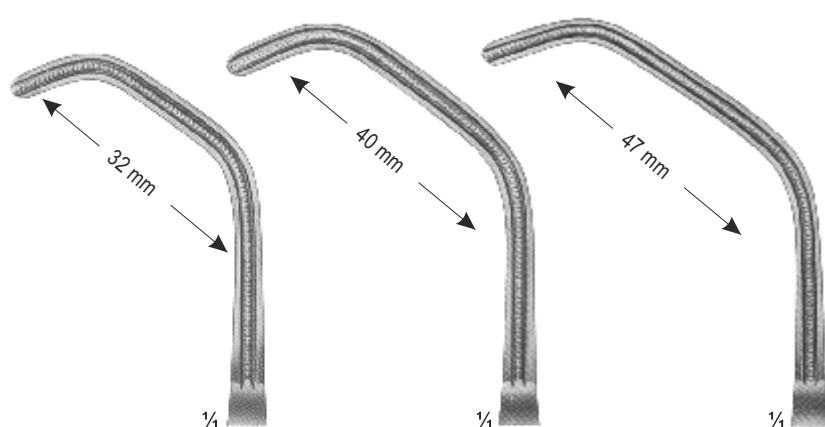
AS-16-247
50 mm

AS-16-248
52 mm





$\frac{1}{2}$
AS-16-256 - AS-16-258
DE BAKEY-SATINSKY
235 mm, 240 mm, 245 mm

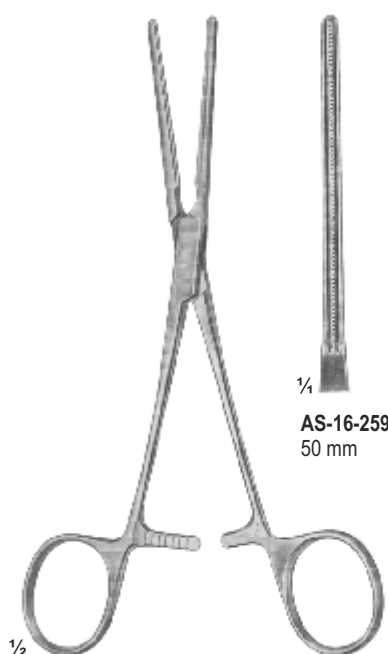


$\frac{1}{4}$
AS-16-256
68 mm

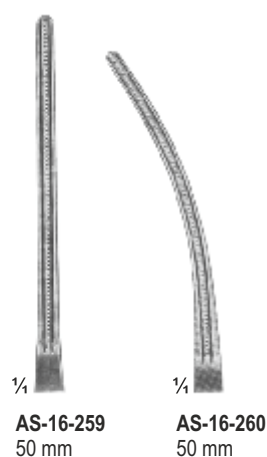
$\frac{1}{4}$
AS-16-257
76 mm

$\frac{1}{4}$
AS-16-258
84 mm

VASCULAR CLAMPS

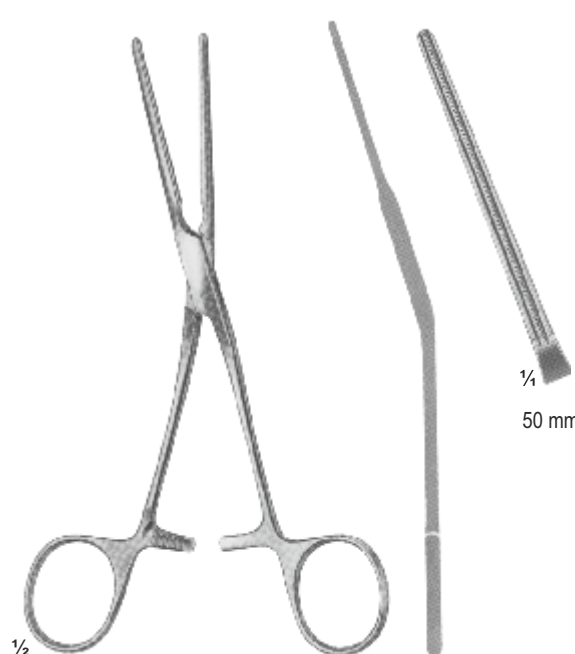


$\frac{1}{2}$
AS-16-259 - AS-16-260
DE BAKEY
170 mm, 165 mm



$\frac{1}{4}$
AS-16-259
50 mm

$\frac{1}{4}$
AS-16-260
50 mm



$\frac{1}{2}$
AS-16-261
DE BAKEY
165 mm

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



AS-16-262 - AS-16-264
DE BAKEY
205 mm, 225 mm, 240 mm



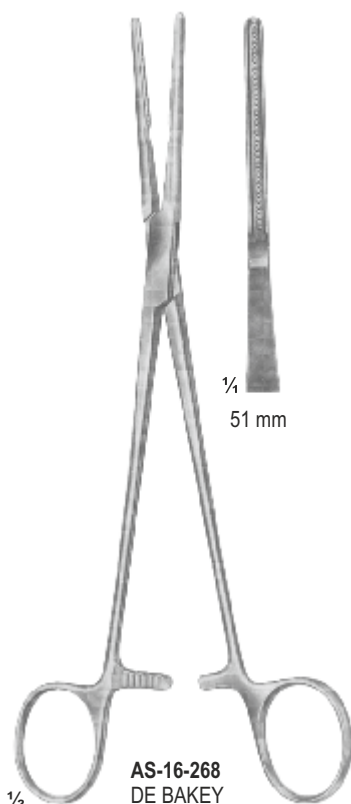
AS-16-262 41 mm
AS-16-263 65 mm
AS-16-264 80 mm



AS-16-265 - AS-16-267
DE BAKEY
200 mm, 225 mm, 240 mm



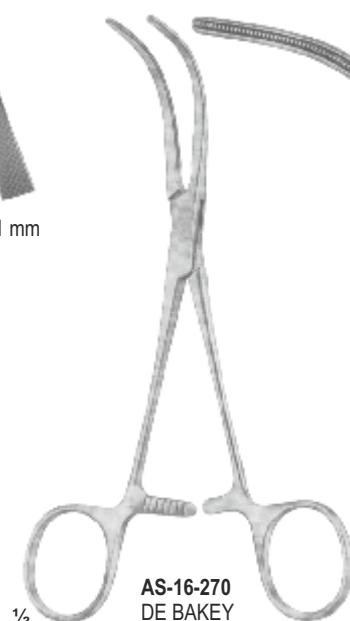
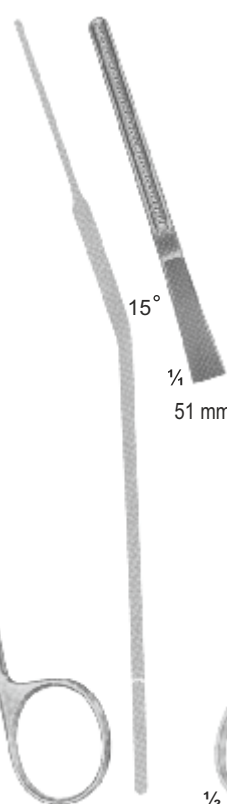
AS-16-265 41 mm
AS-16-266 65 mm
AS-16-267 80 mm



AS-16-268
DE BAKEY
210 mm

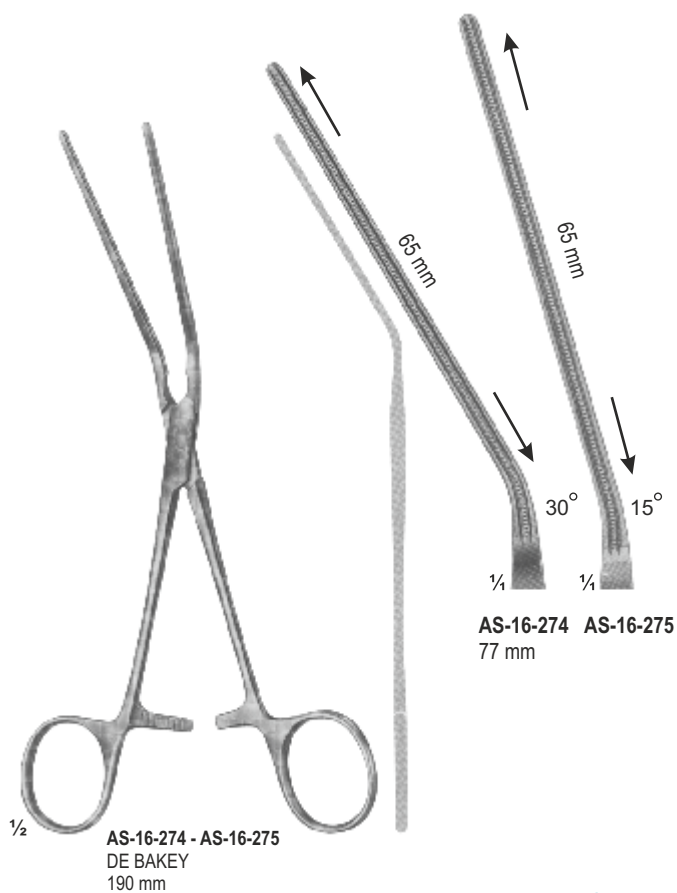
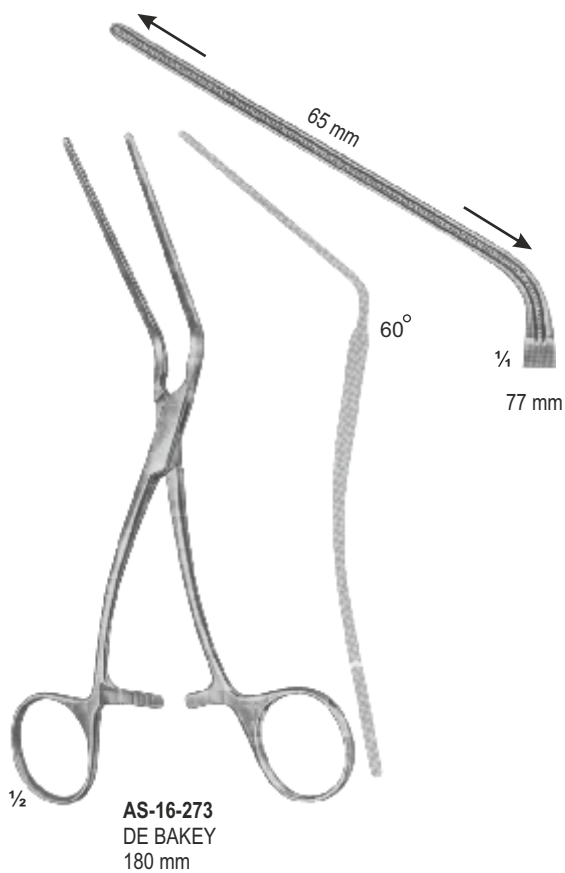
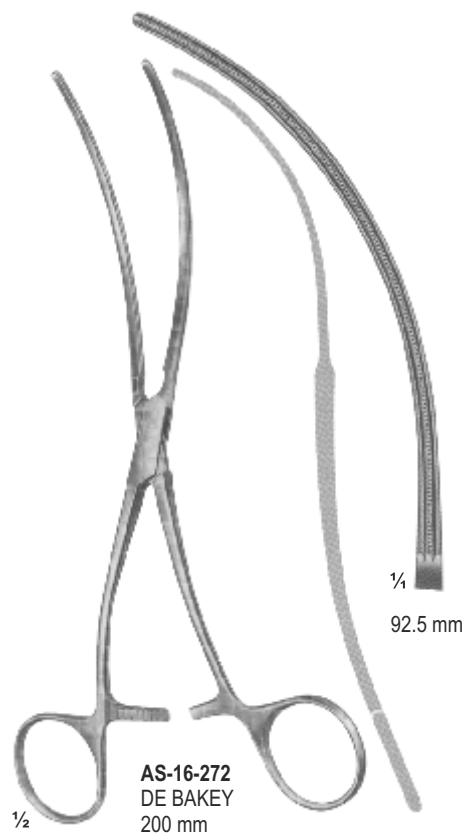
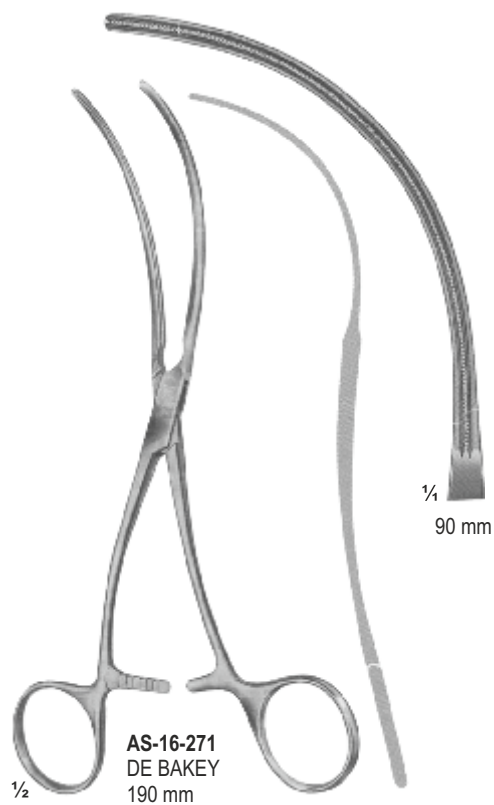


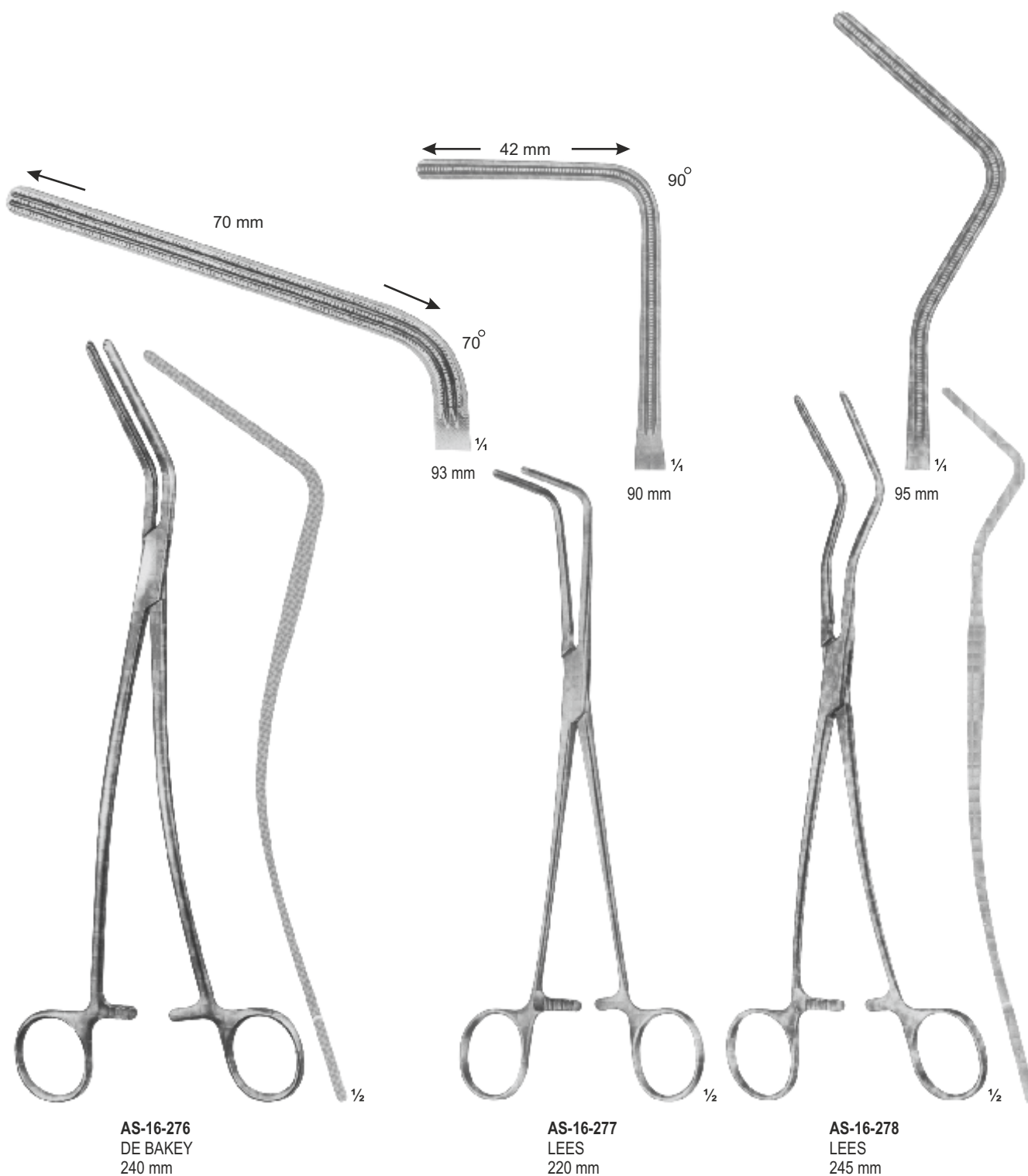
AS-16-269
DE BAKEY
210 mm

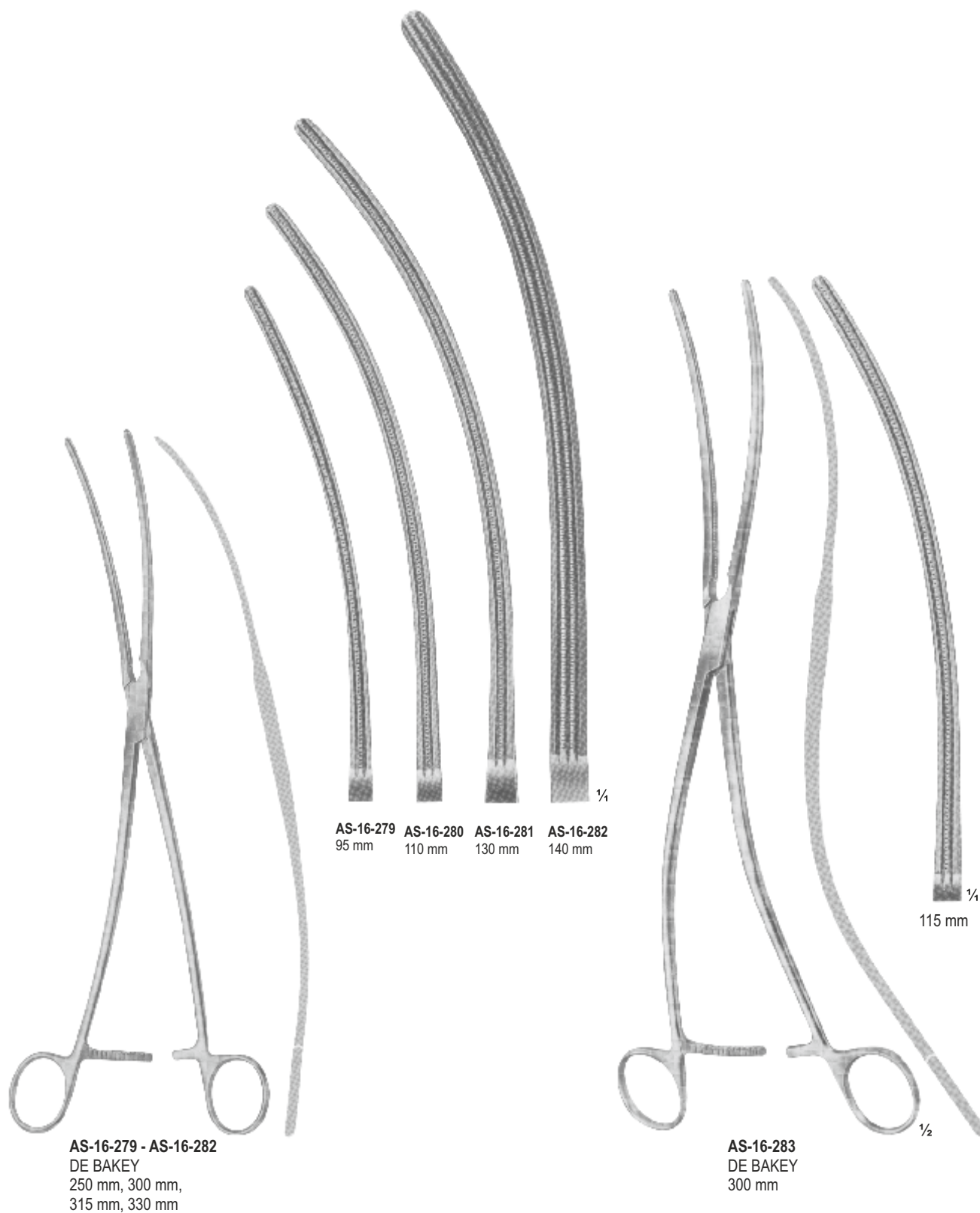


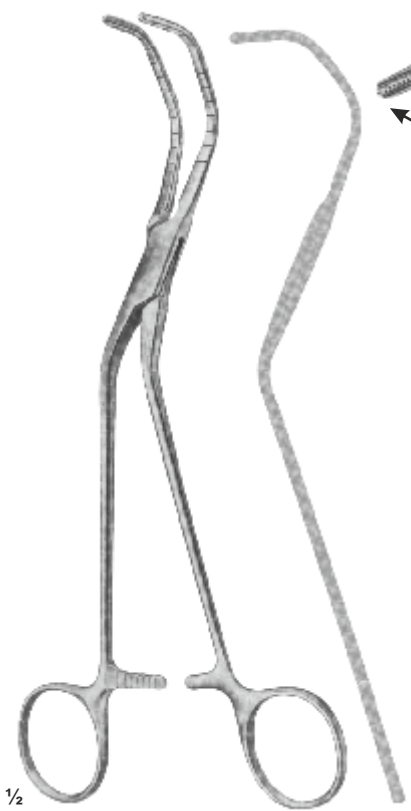
AS-16-270
DE BAKEY
160 mm



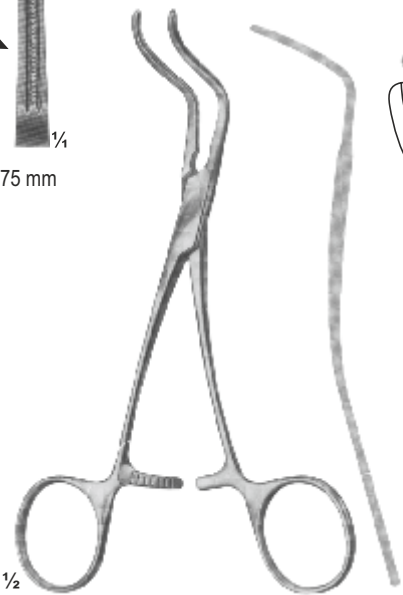
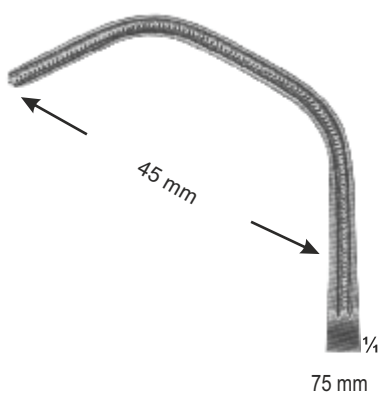




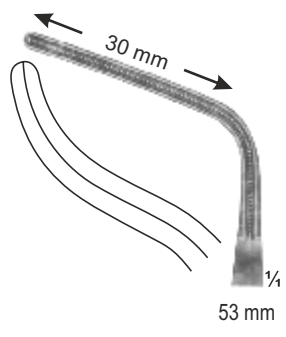


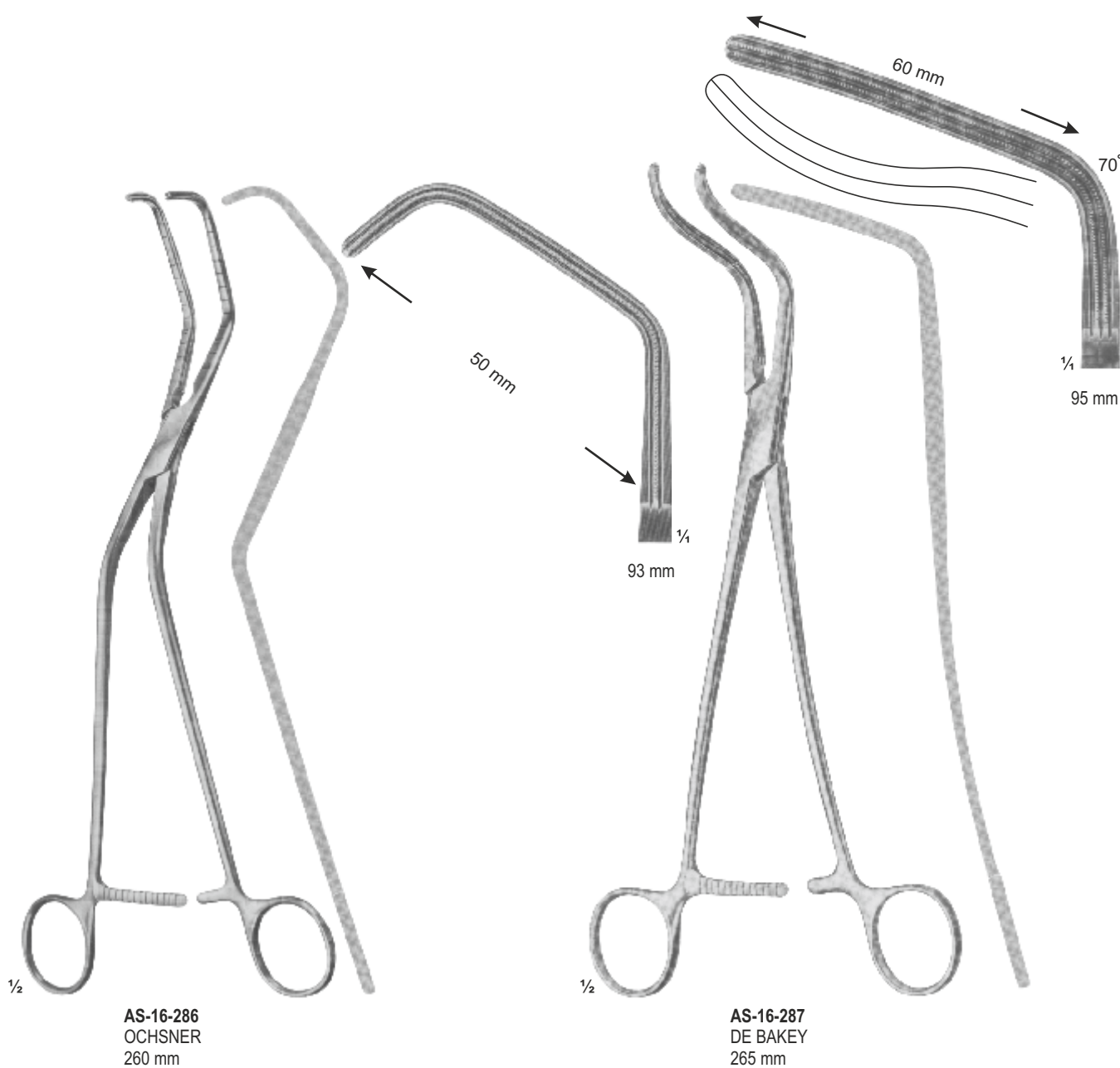


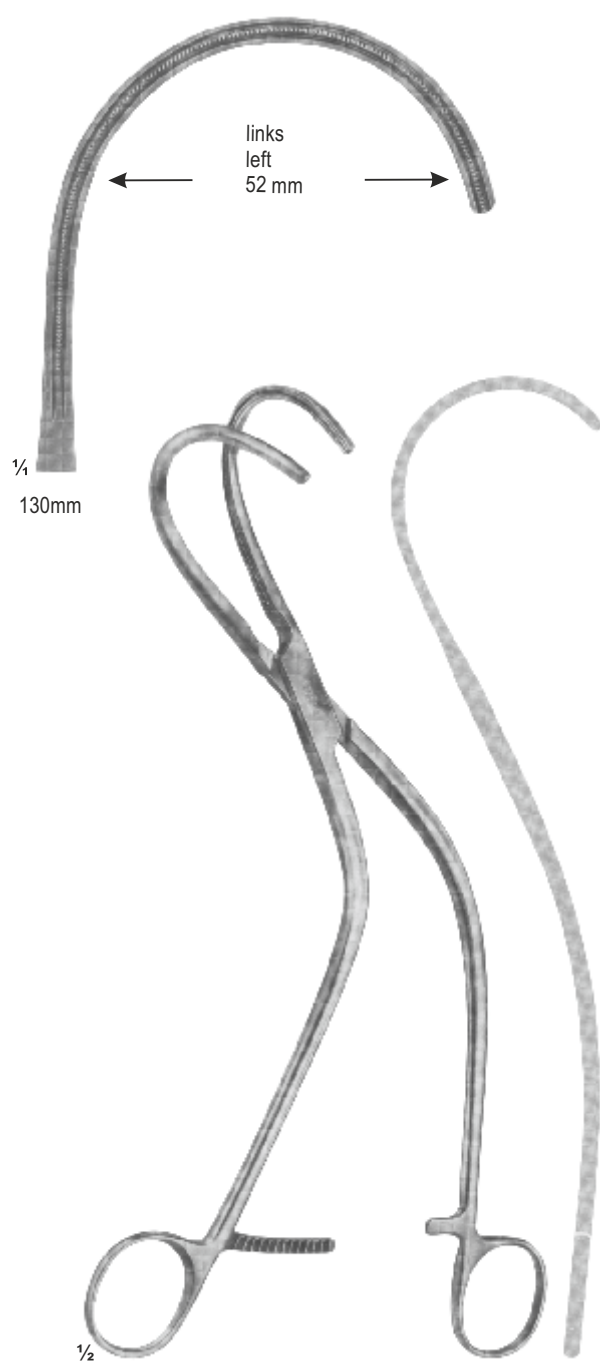
AS-16-284
DIETRICH
210 mm



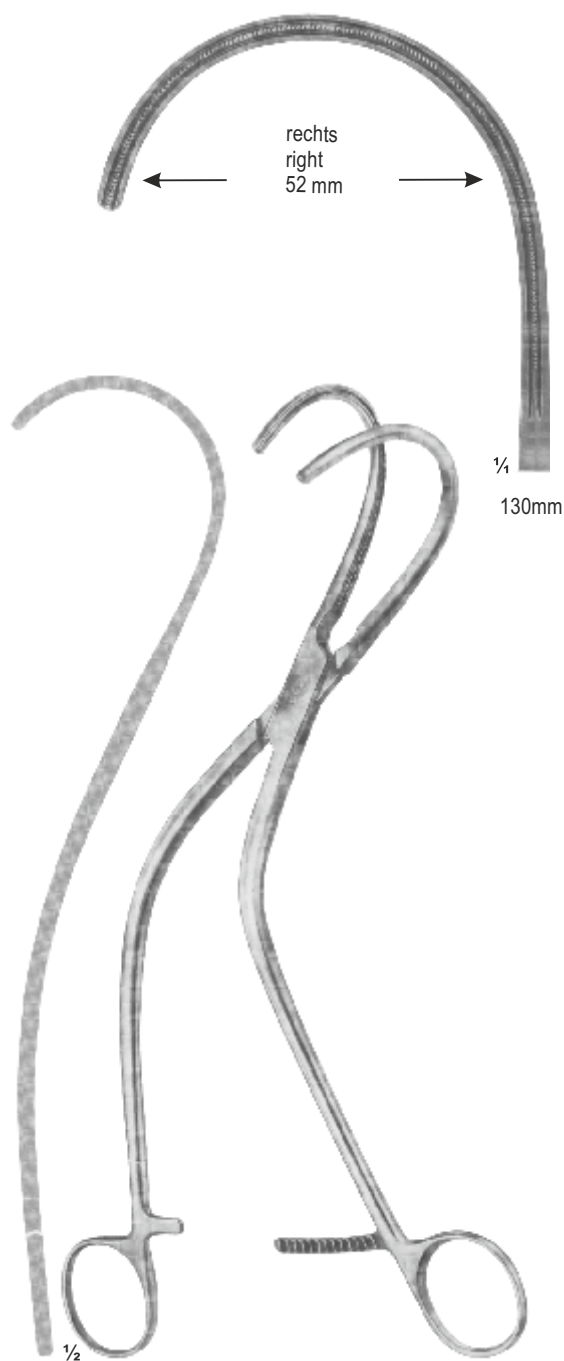
AS-16-285
SUBRAMANIAN
155 mm







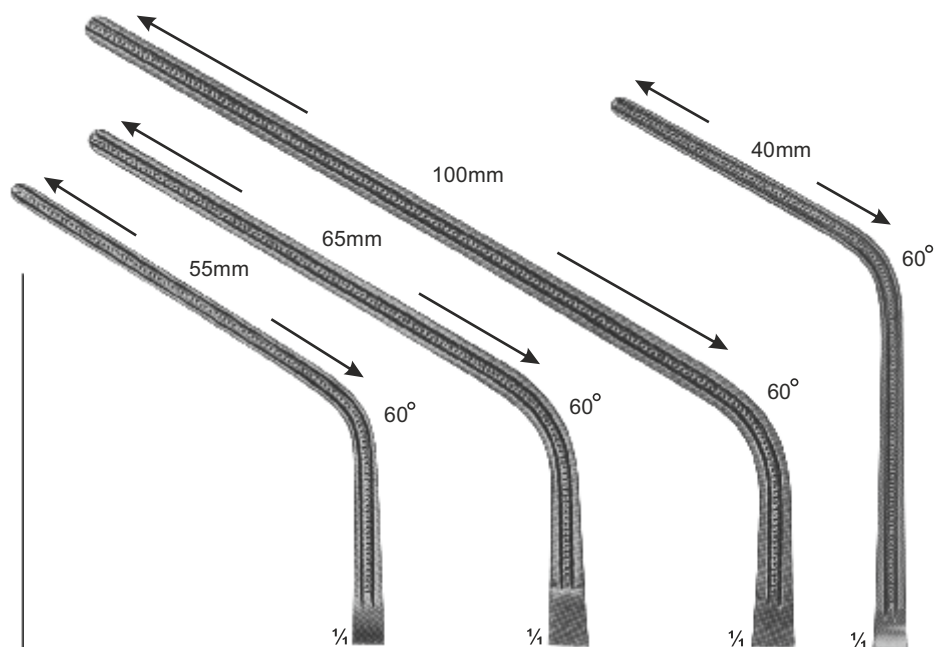
AS-16-288
WEBER
265 mm



AS-16-289
WEBER
265 mm



AS-16-290 - AS-16-293
DE BAKEY



AS-16-290

AS-16-291

AS-16-292

AS-16-293

Total Length: 230 mm

280 mm

305 mm

240 mm

Length of jaws: 85 mm

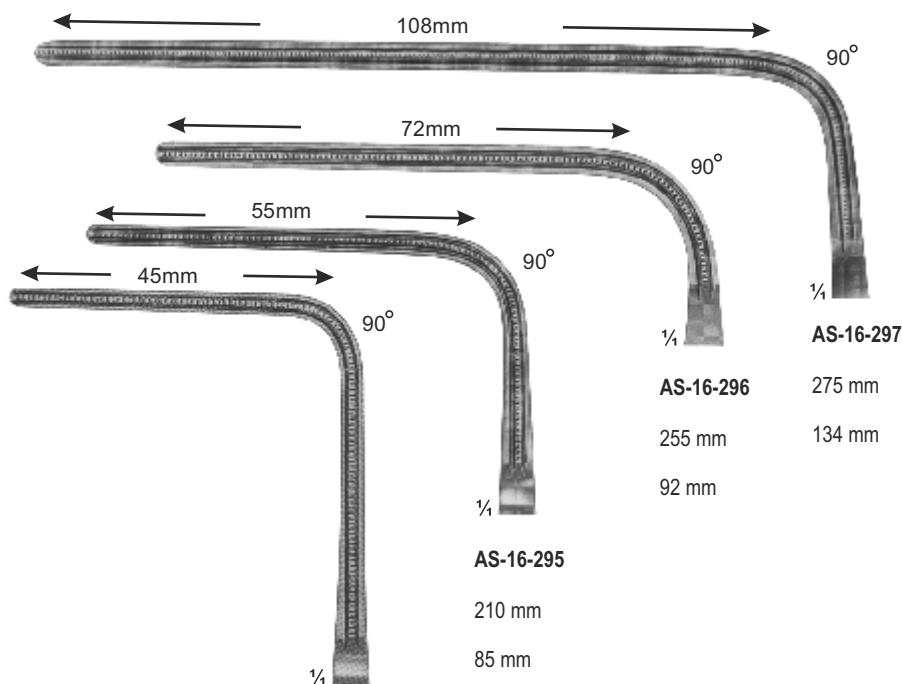
100 mm

135 mm

93 mm



AS-16-294 - AS-16-297
DE BAKEY



AS-16-294

AS-16-295

AS-16-296

AS-16-297

Total Length: 225 mm

210 mm

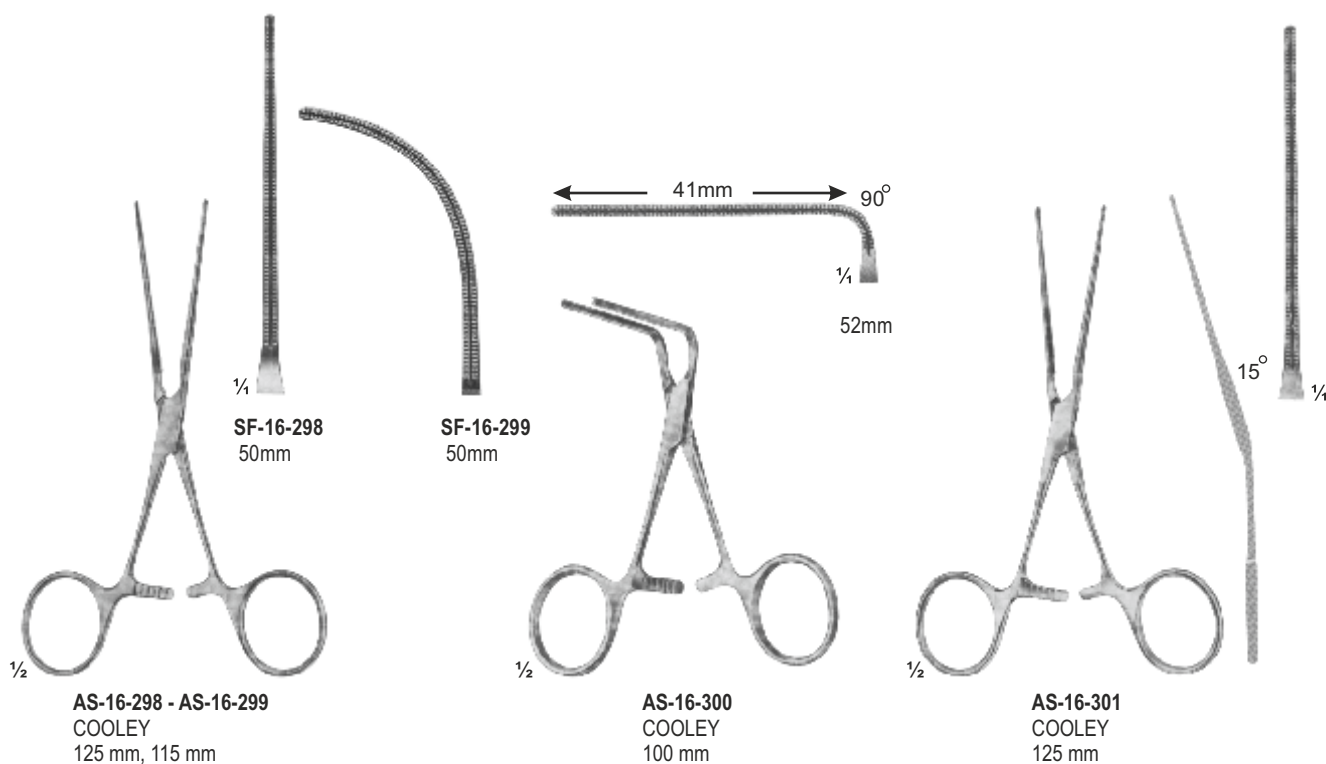
255 mm

275 mm

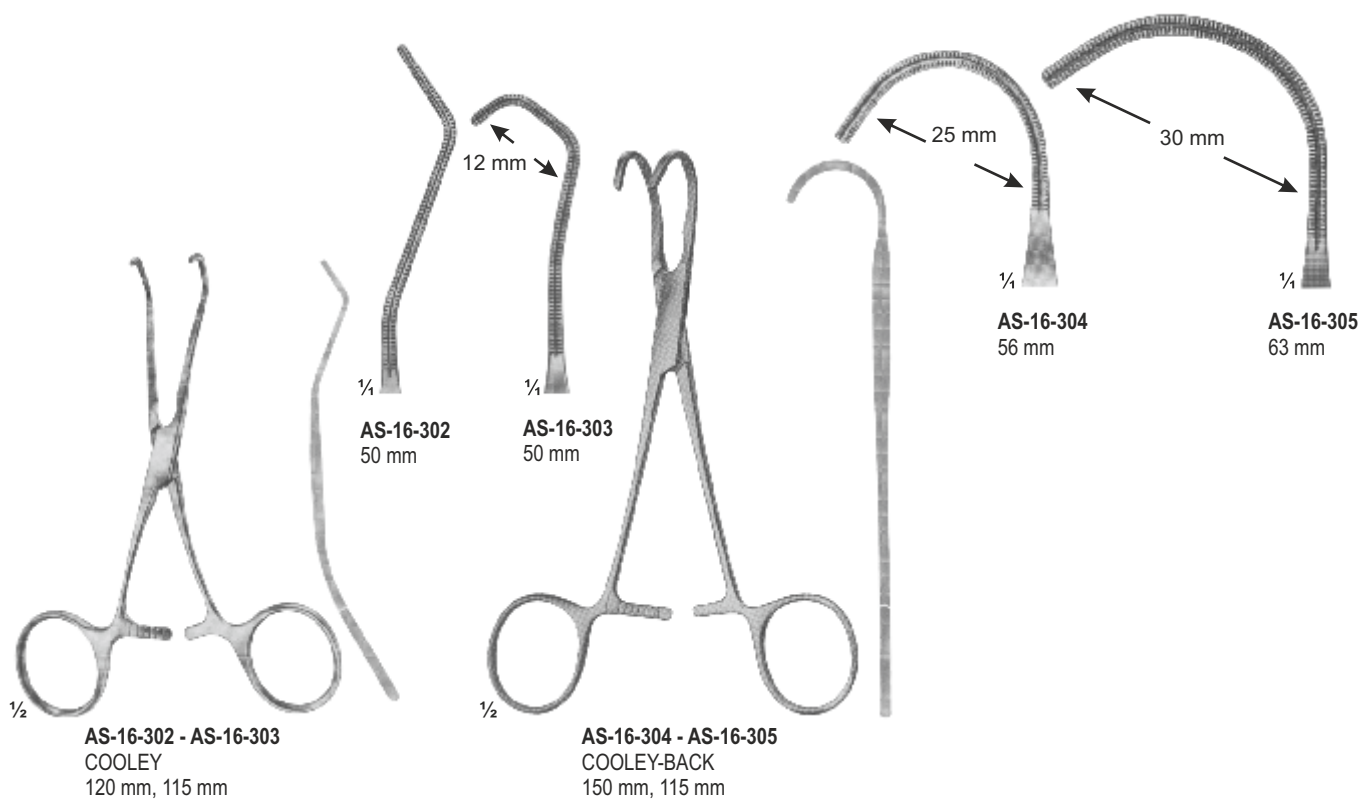
Length of jaws: 93 mm

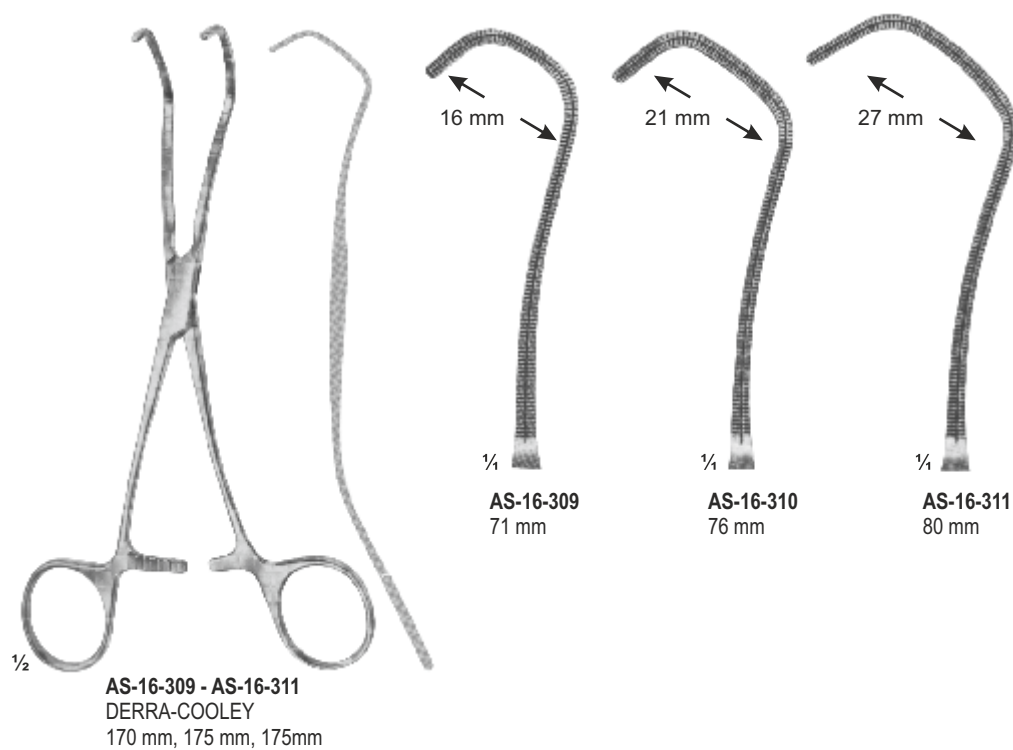
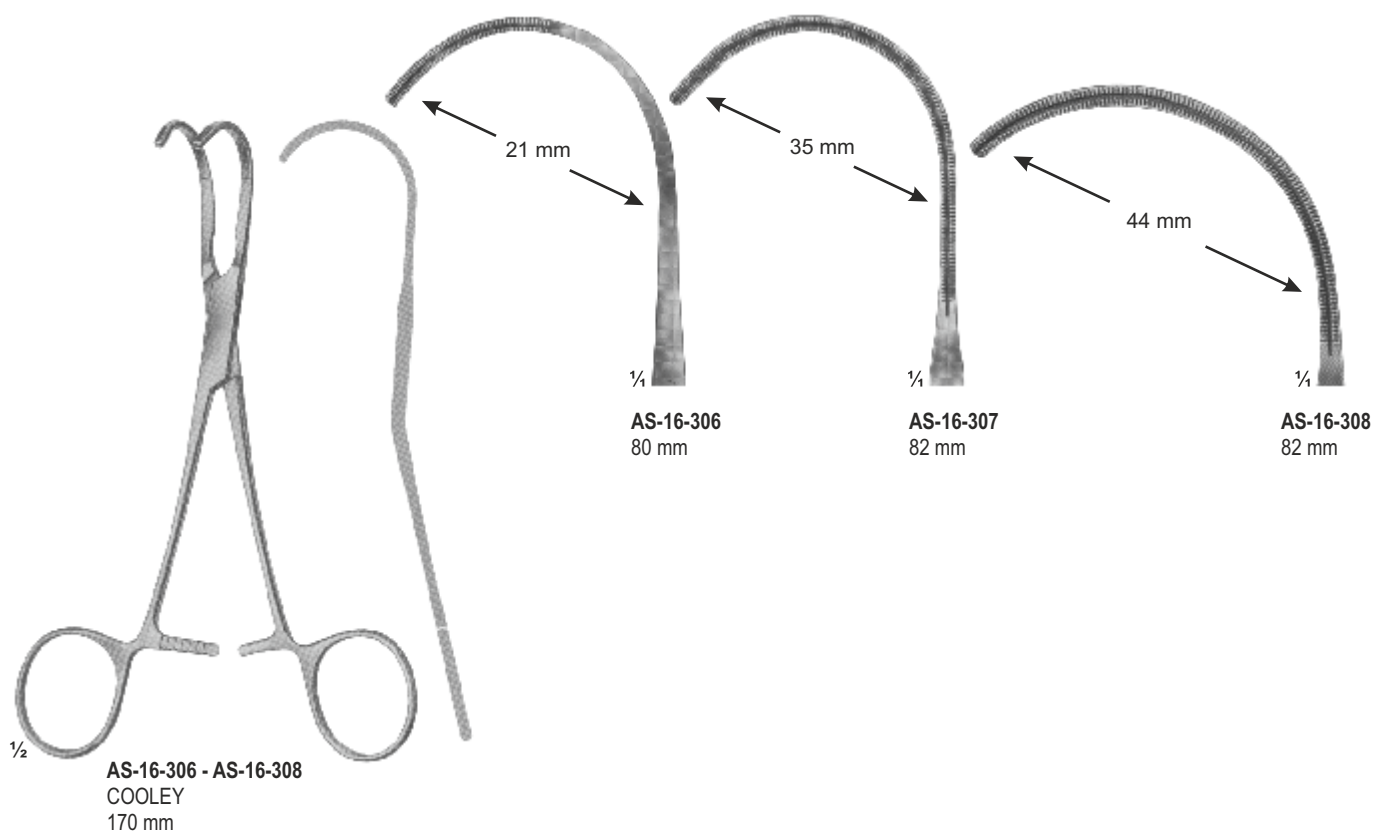
85 mm

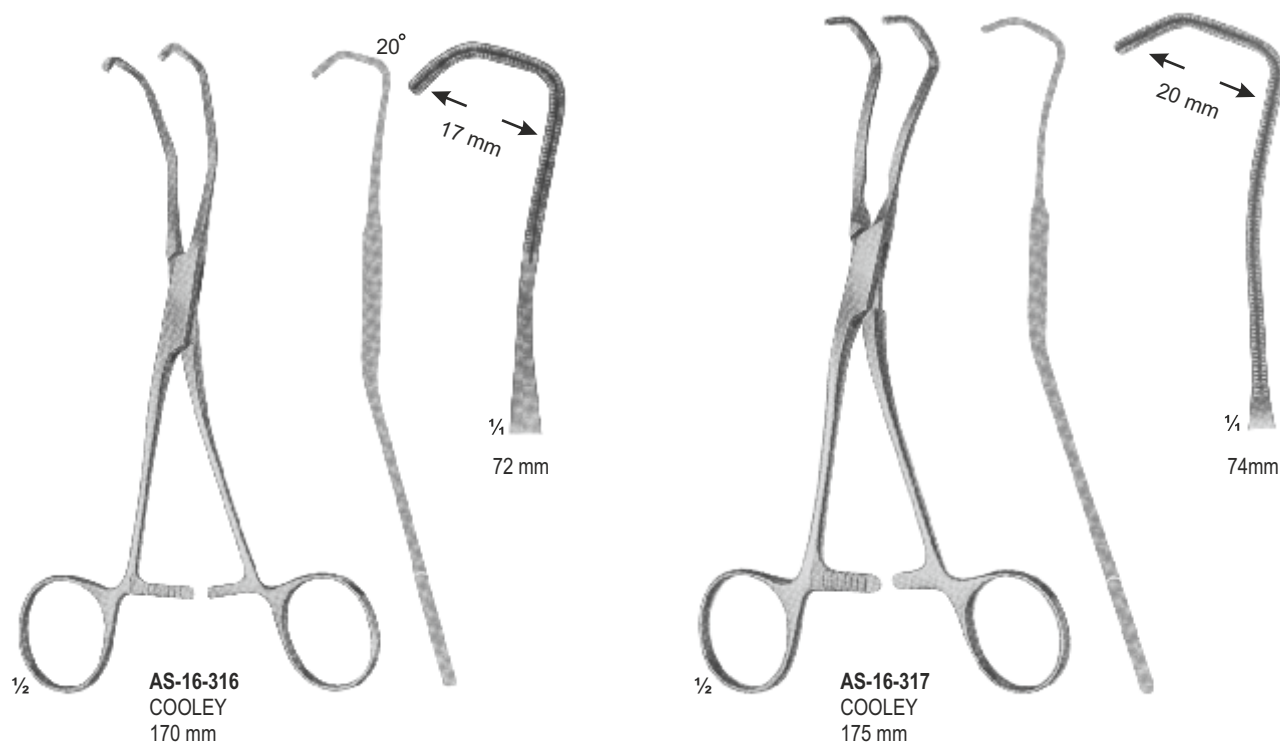
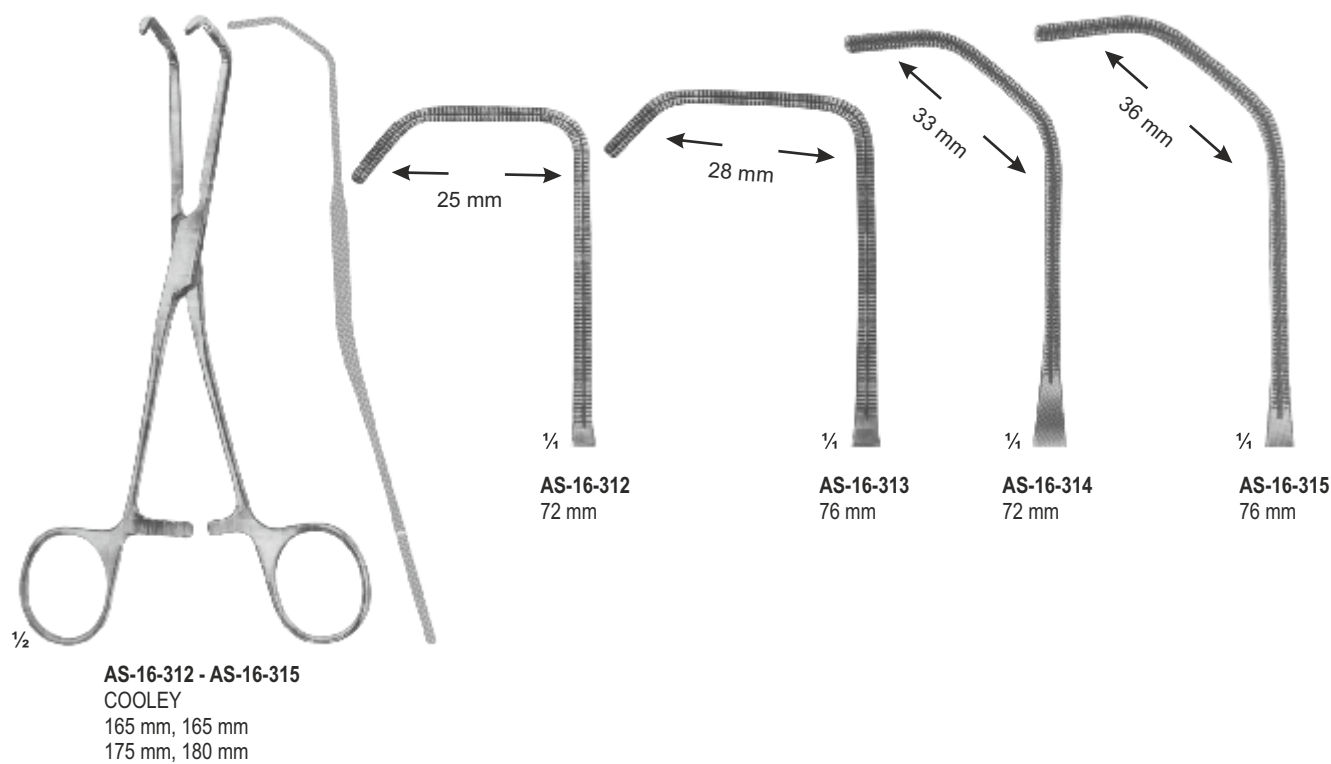
92 mm

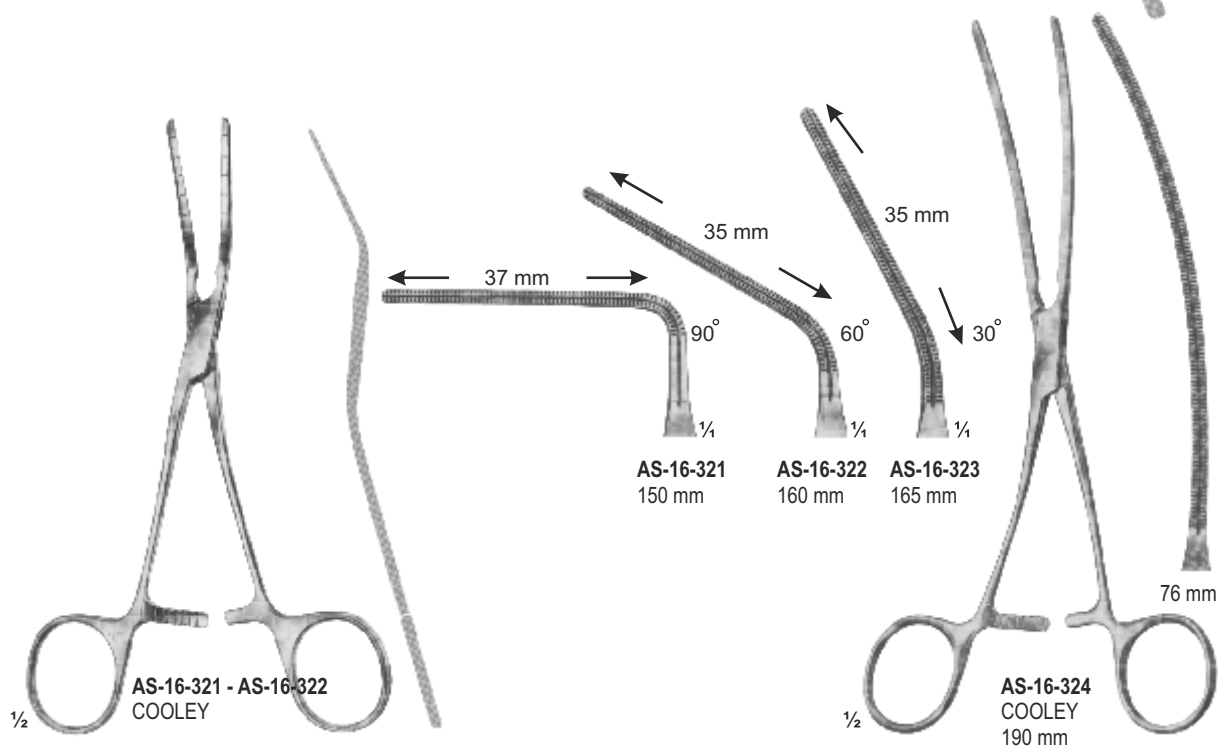
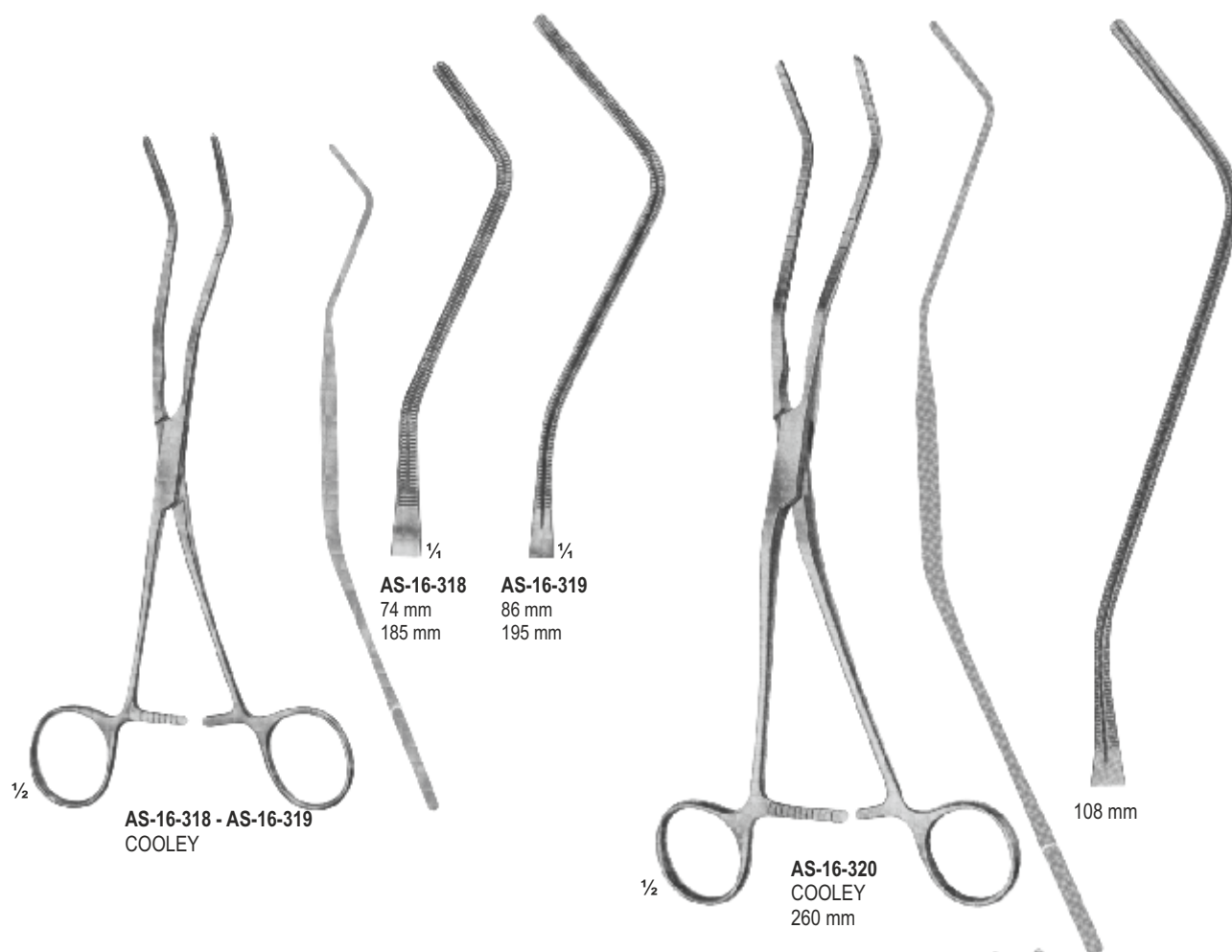


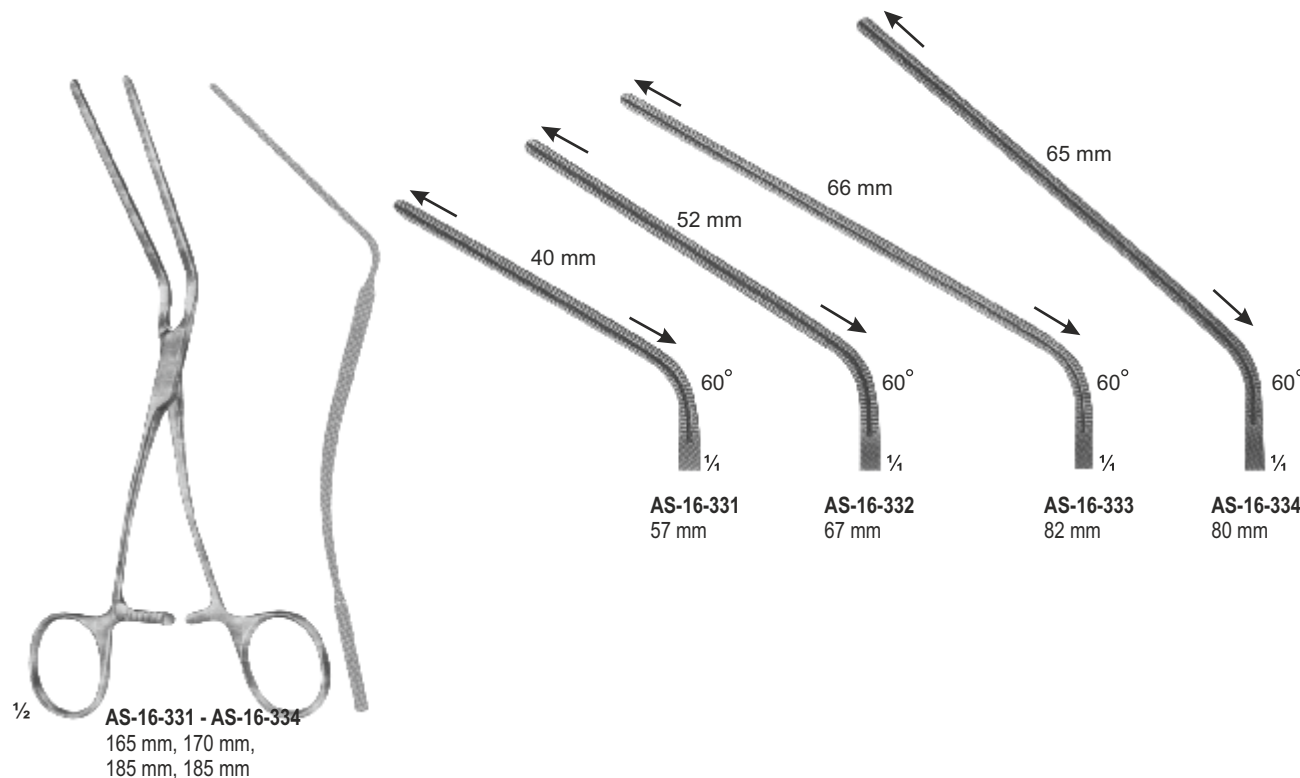
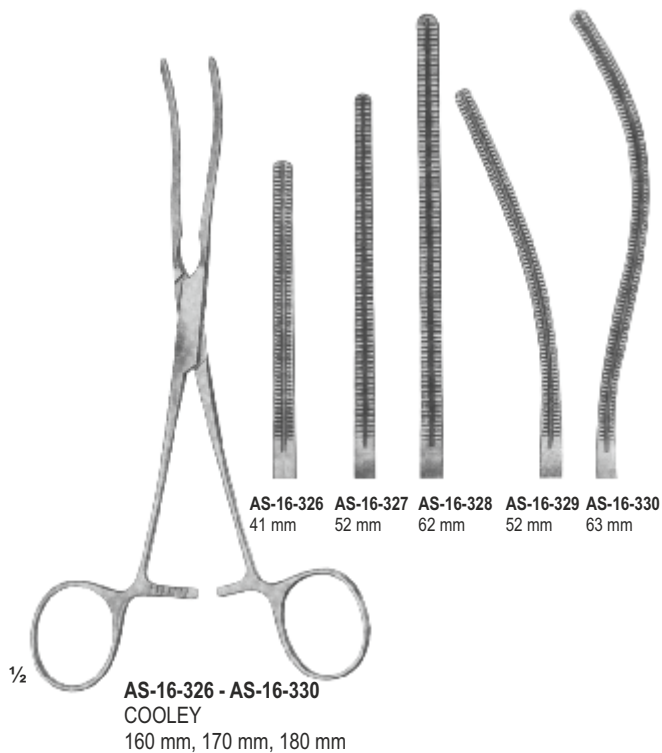
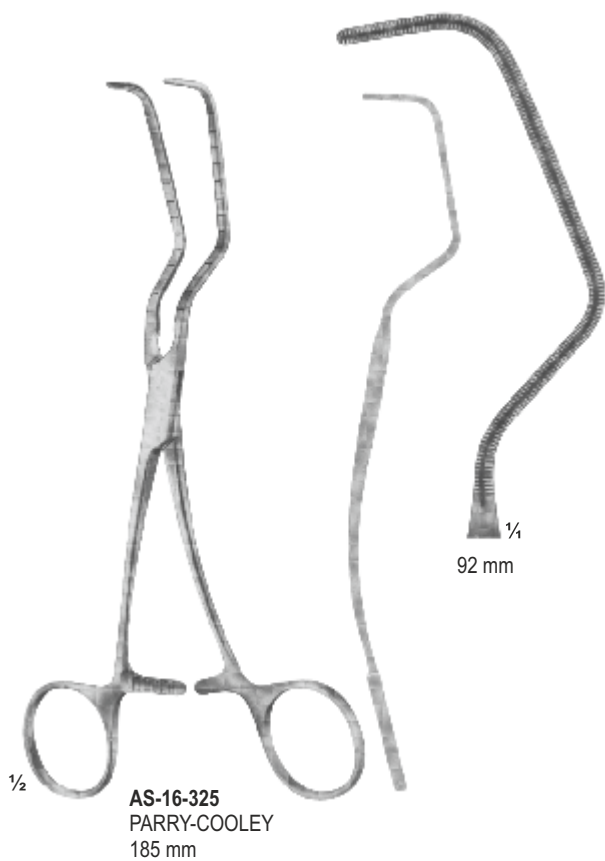
ANASTOMOSIS CLAMPS, PEDIATRIC PATTERNS





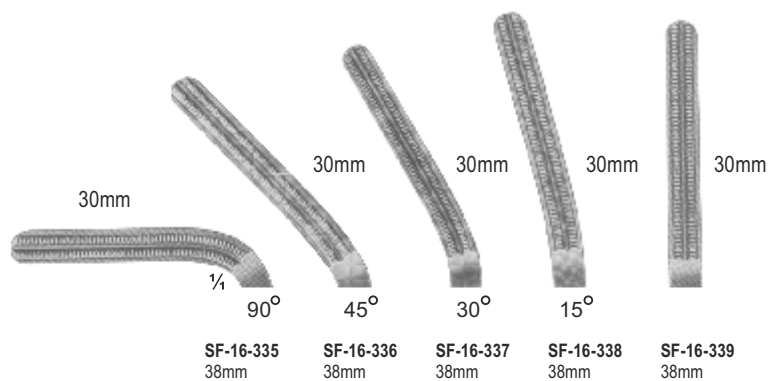




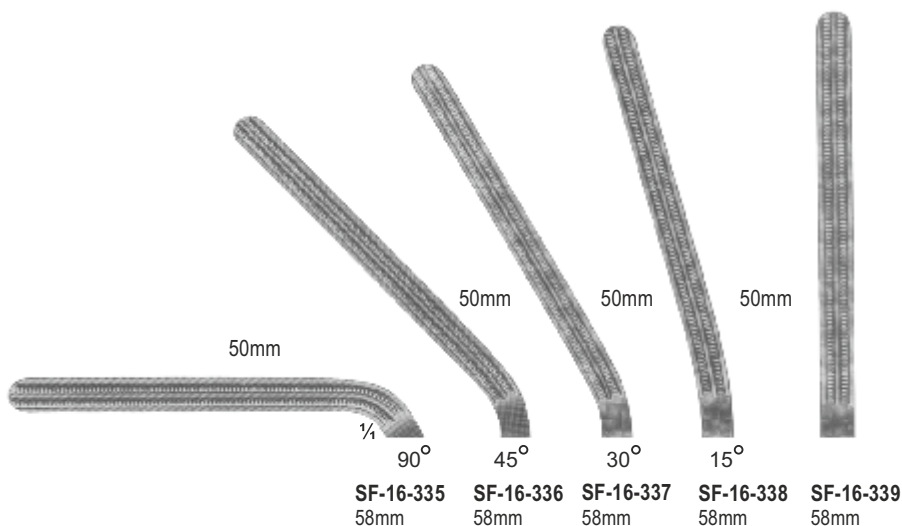


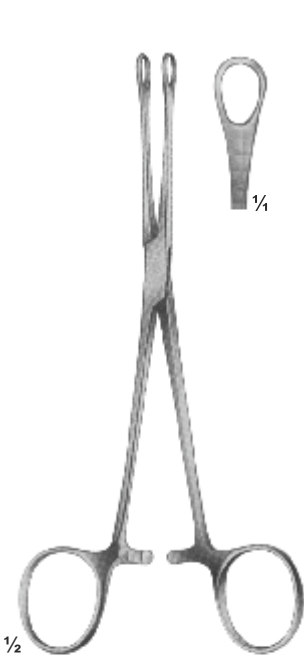


$\frac{1}{2}$ DARDIK
AS-16-335 150 mm
AS-16-336 150 mm
AS-16-337 150 mm
AS-16-338 145 mm
AS-16-339 130 mm



$\frac{1}{2}$ DARDIK
AS-16-335 170 mm
AS-16-336 170 mm
AS-16-337 170 mm
AS-16-338 160 mm
AS-16-339 135 mm





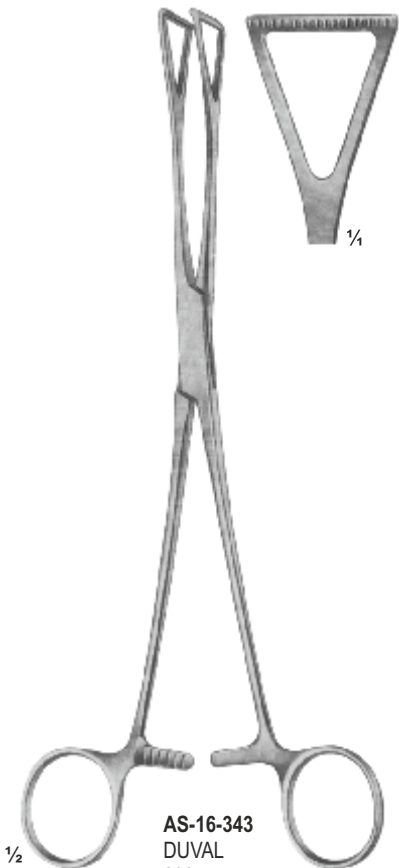
AS-16-340
WILLIAMS
160 mm



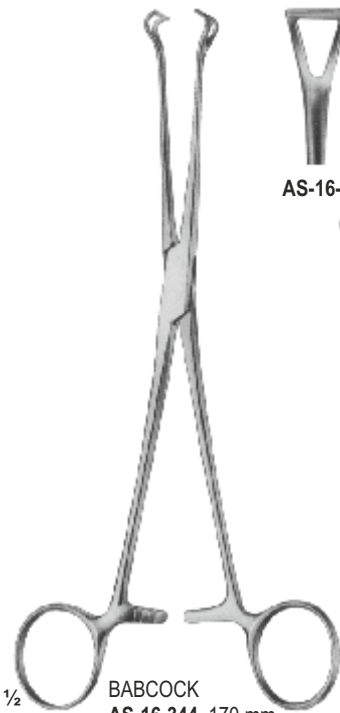
AS-16-341
TUTTLE
230 mm



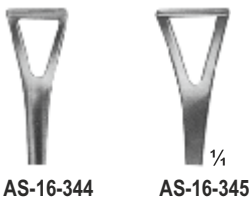
AS-16-342
NELSON
230 mm



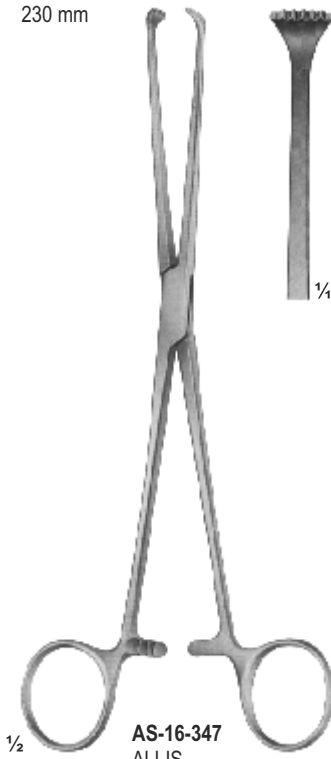
AS-16-343
DUVAL
230 mm



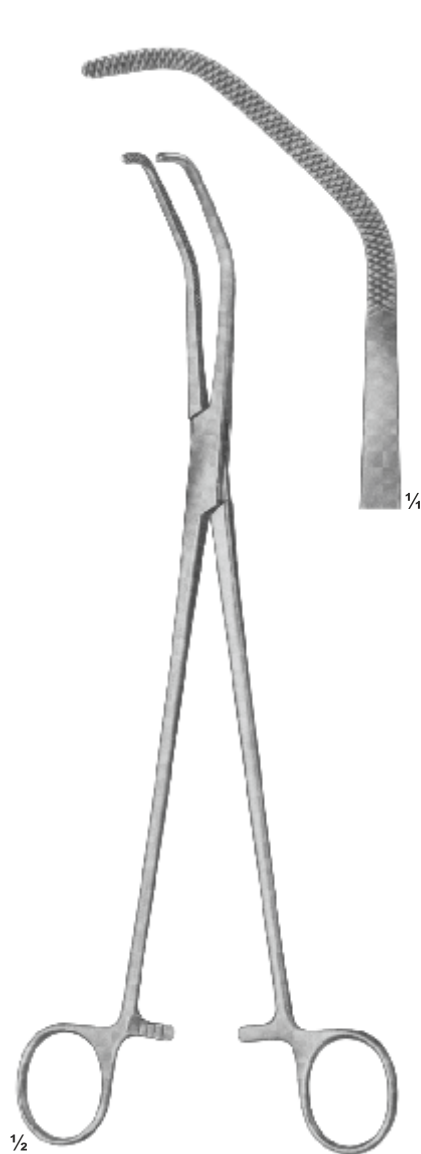
BABCOCK
AS-16-344 170 mm
AS-16-345 215 mm
AS-16-346 220 mm



AS-16-346



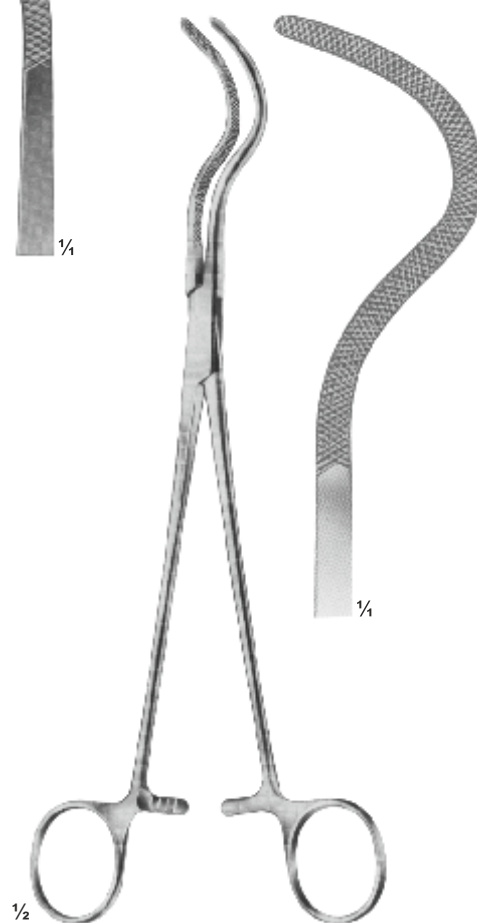
AS-16-347
ALLIS
220 mm



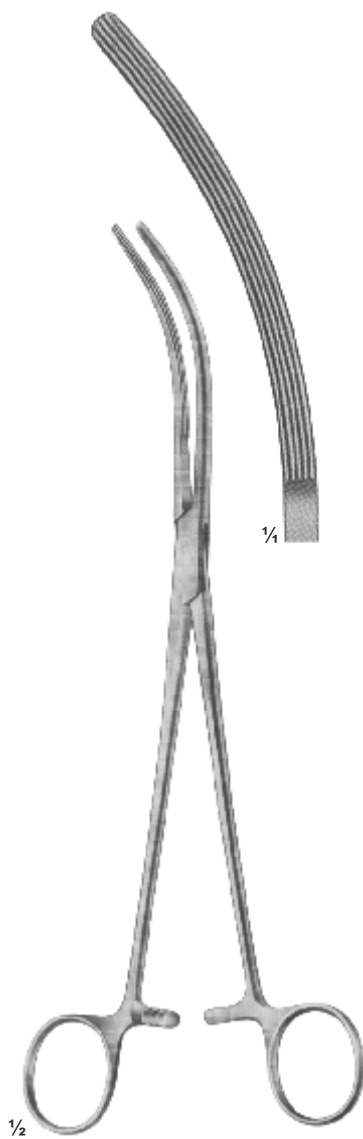
AS-16-348
SATINSKY
265 mm



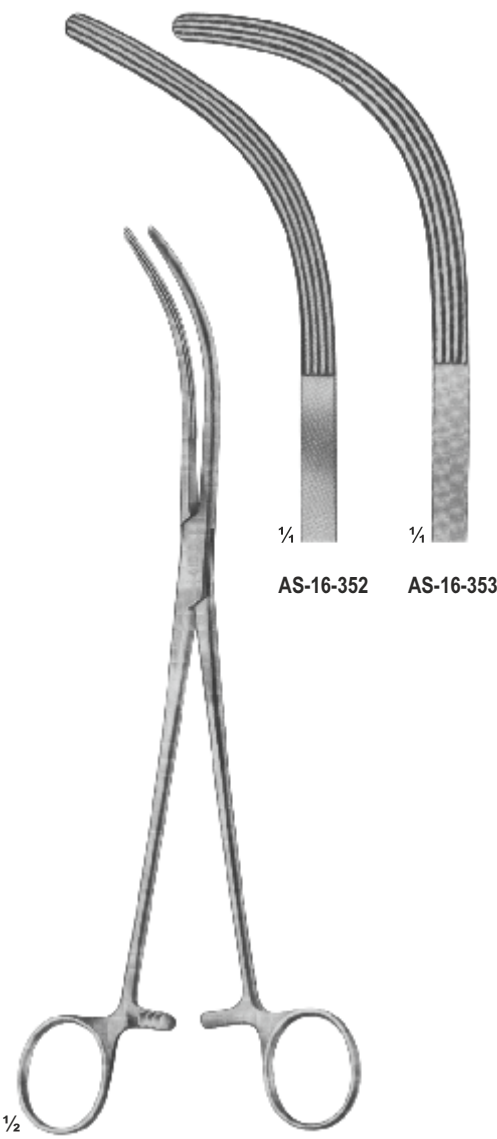
AS-16-349
SATINSKY
265 mm



AS-16-350
HARKEN
240 mm



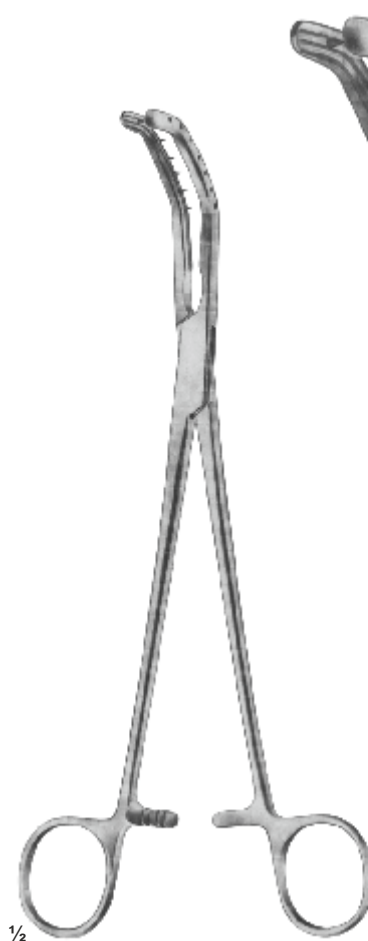
AS-16-351
CRAFOORD-SELLORS
240 mm



AS-16-352 - AS-16-353
CRAFOORD
240 mm



AS-16-354
PRICE THOMAS
225 mm



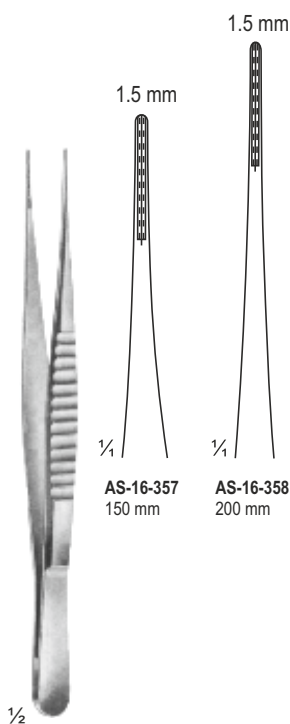
AS-16-355 - AS-16-356
PRICE THOMAS
225 mm



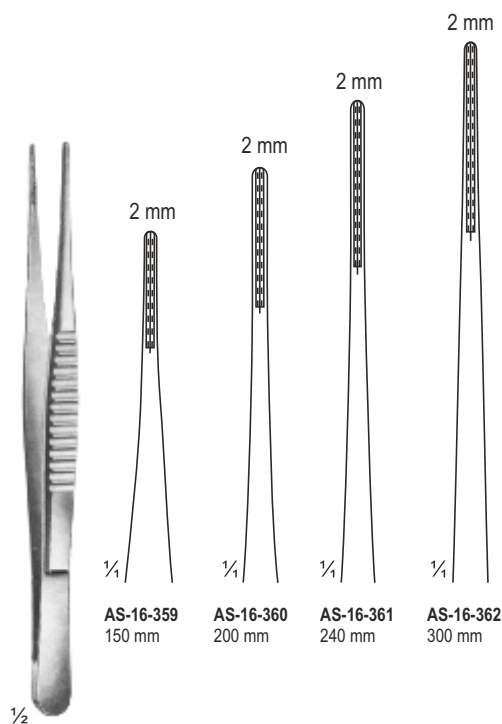
AS-16-355
jaws with pins



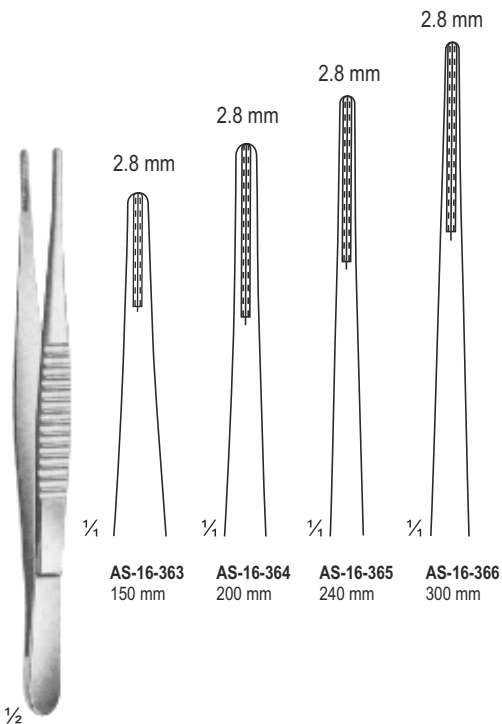
AS-16-356
jaws with pins



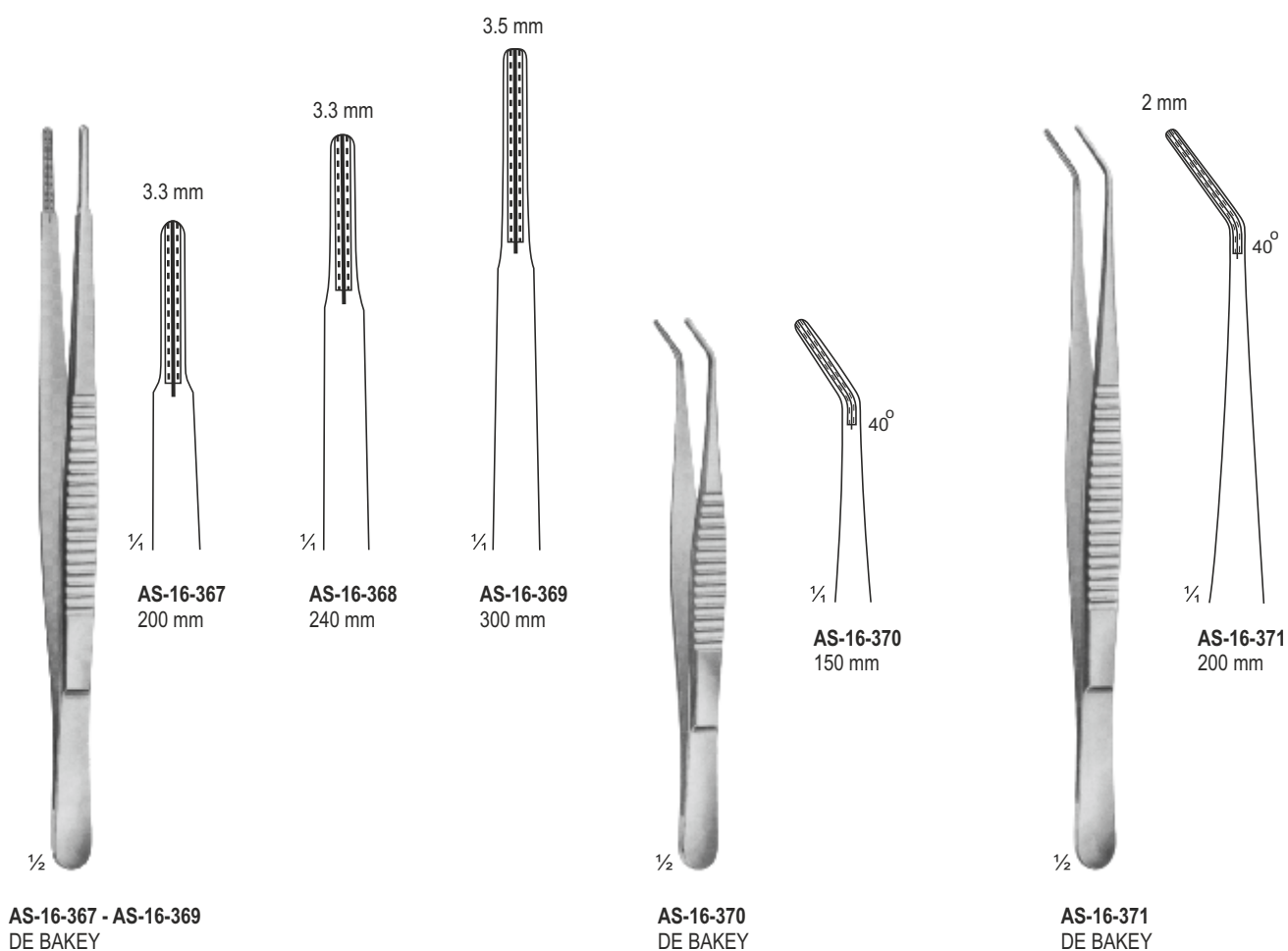
AS-16-357 - AS-16-358
DE BAKAY



AS-16-359 - AS-16-362
DE BAKAY



AS-16-363 - AS-16-366
DE BAKAY

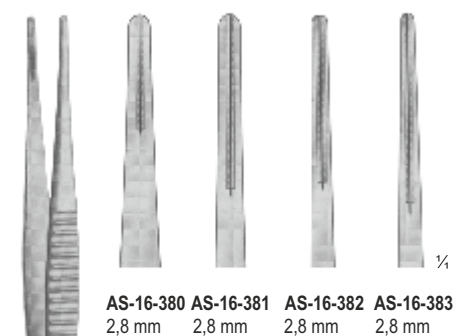




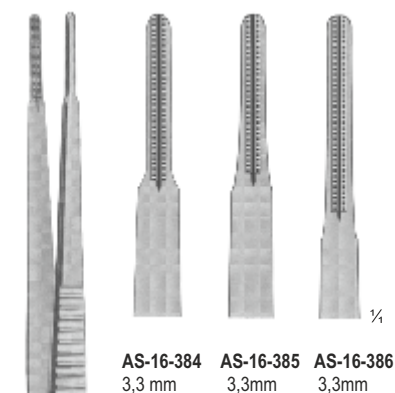
AS-16-372 150 mm
AS-16-373 200 mm
AS-16-374 240 mm
AS-16-375 300 mm



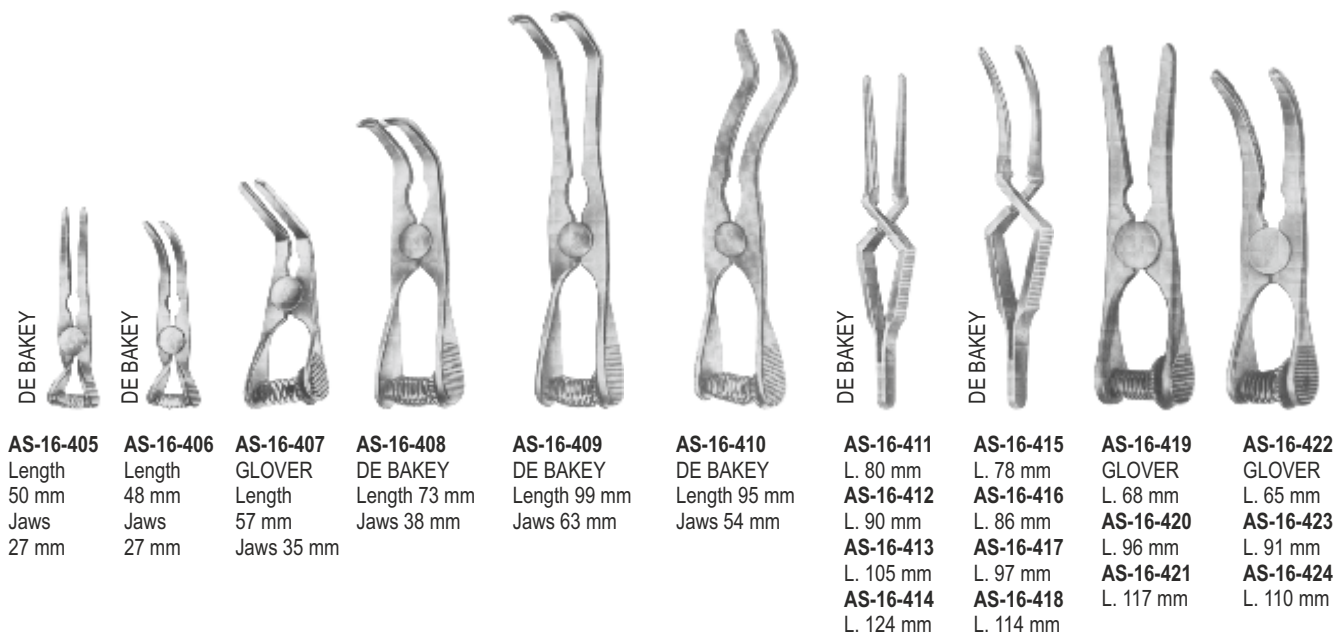
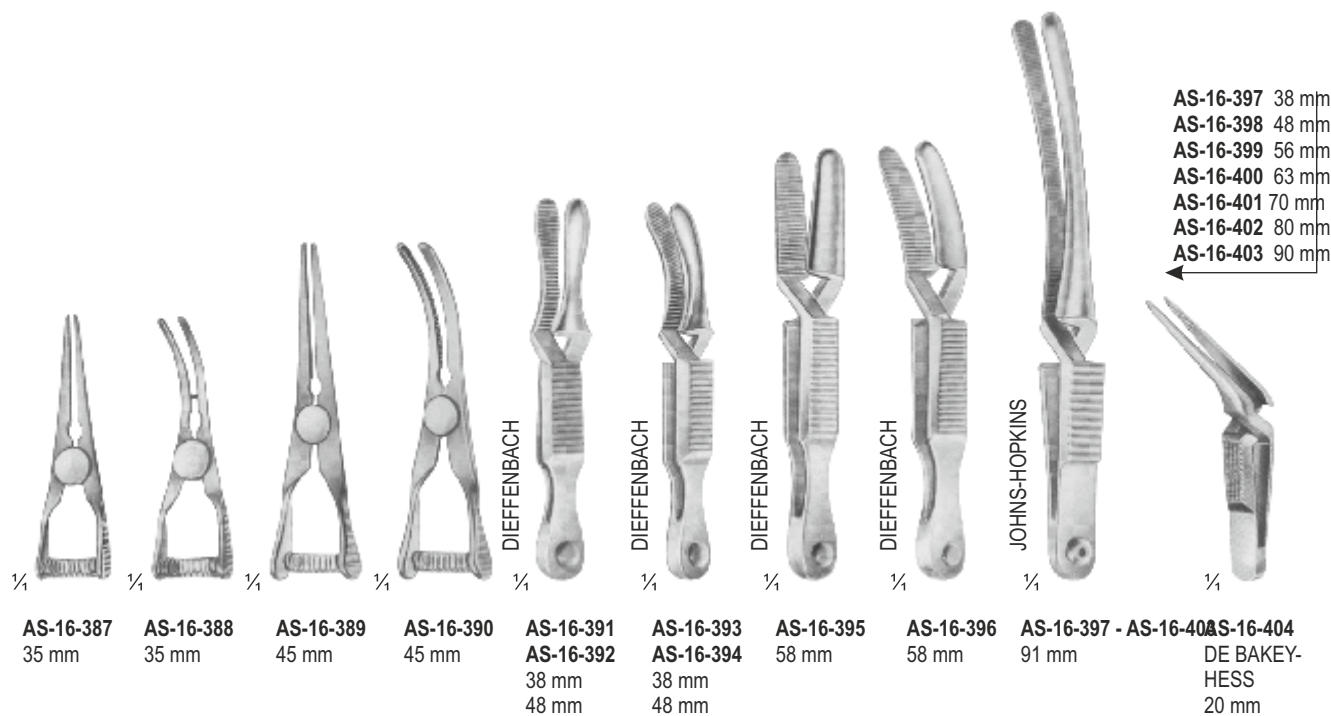
DE BAKEY
AS-16-376 150 mm
AS-16-377 200 mm
AS-16-378 240 mm
AS-16-379 300 mm

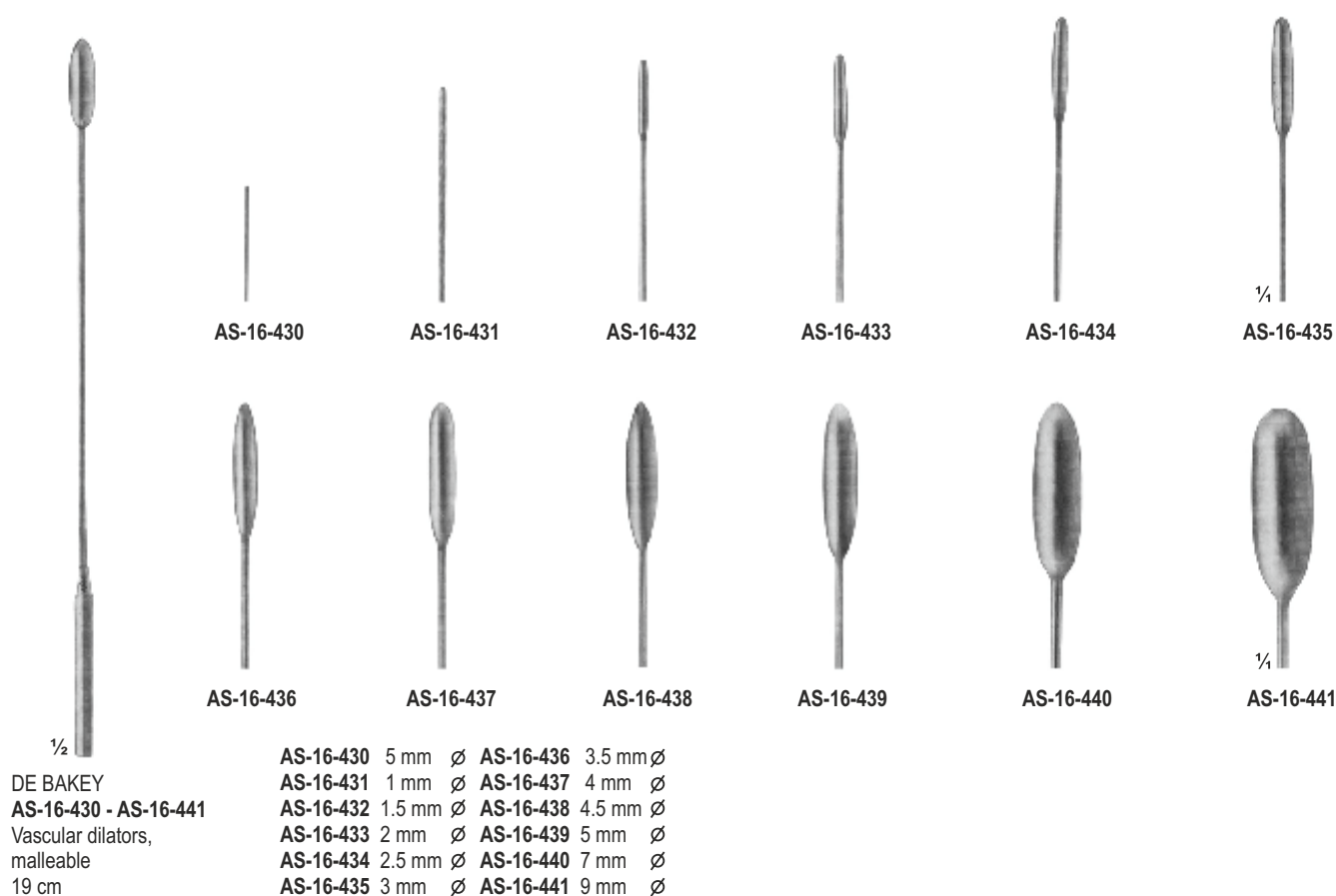
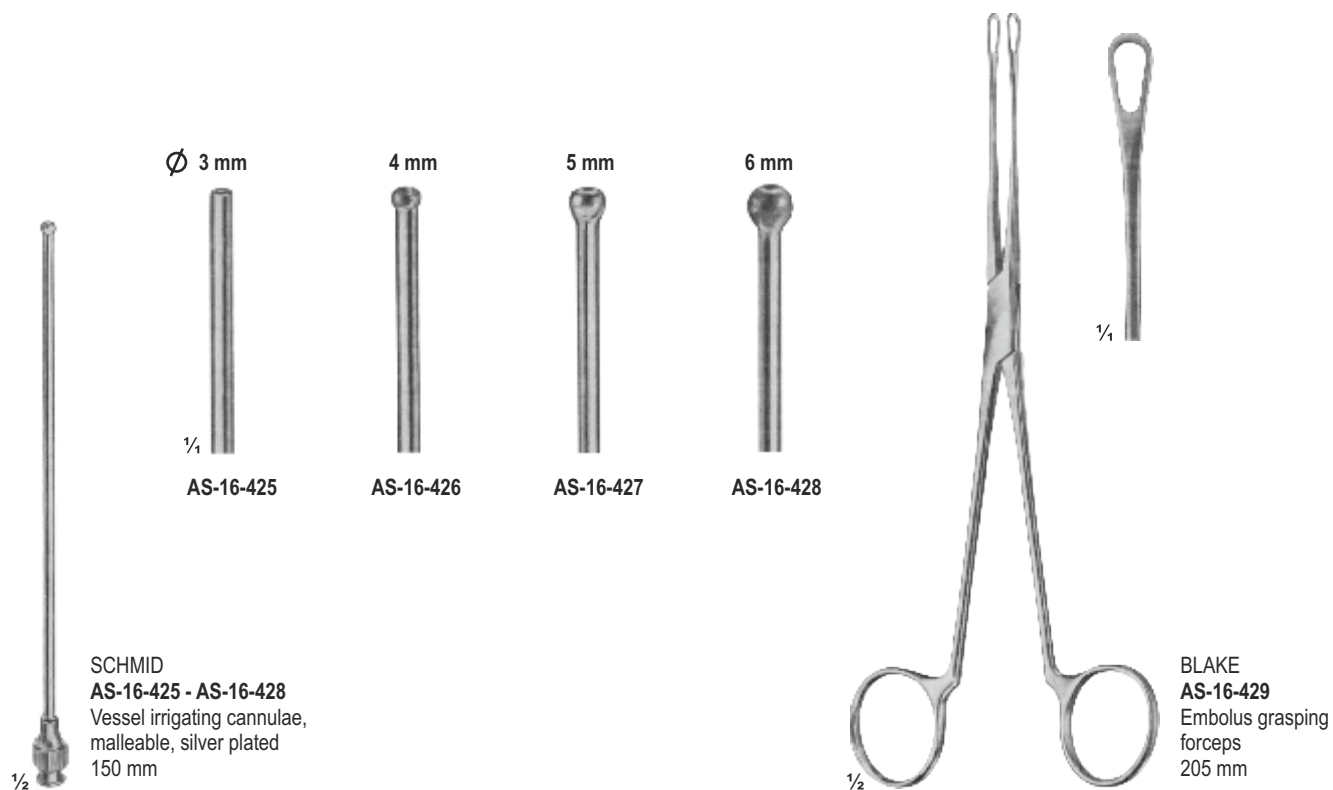


DE BAKEY
AS-16-380 150 mm
AS-16-381 200 mm
AS-16-382 240 mm
AS-16-383 300 mm

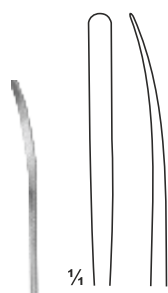


DE BAKEY
AS-16-384 200 mm
AS-16-385 240 mm
AS-16-386 300 mm









AS-16-453
18.5 cm
AS-16-454
21.5 cm



AS-16-455
14 cm



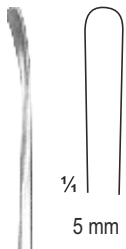
AS-16-456
23.5 cm

1/2

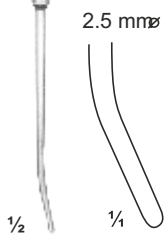
AS-16-453 - AS-16-454

1/2

AS-16-455 - AS-16-456

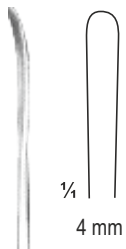


1/4
5 mm



2.5 mmø

Fig. 1
ROBB
AS-16-457
24 cm

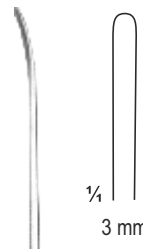


1/4
4 mm



2 mmø

Fig. 2
ROBB
AS-16-458
24 cm

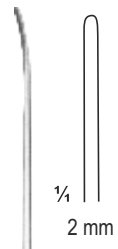


1/4
3 mm

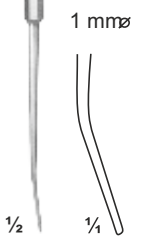


1.5 mmø

Fig. 3
ROBB
AS-16-459
24 cm



1/4
2 mm



1 mmø

Fig. 4
ROBB
AS-16-460
24 cm



CRILE
AS-16-461
20 cm



CRILE
AS-16-462
20.5 cm



AS-16-463 - AS-16-466
26 cm



AS-16-463
1.5 mm Ø



AS-16-464
2 mm Ø



AS-16-465
2.5 mm Ø



AS-16-466
3 mm Ø



AS-16-467 - AS-16-475
Endarterectomy strippers
55 cm



AS-16-468
3 mm



AS-16-469
5 mm



AS-16-470
6 mm



AS-16-471
7 mm



AS-16-472
8.5 mm



AS-16-473
10 mm



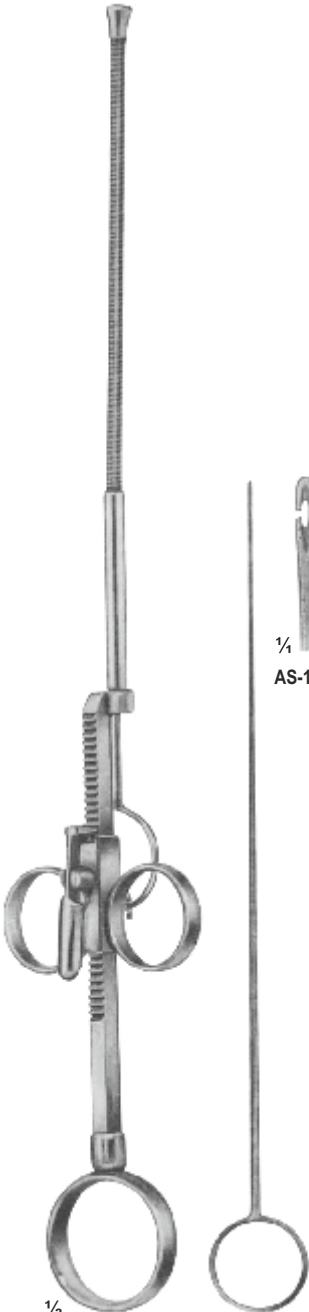
AS-16-474
12 mm



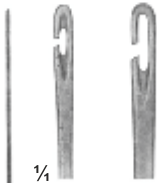
AS-16-475
14mm



AS-16-476
Handle for
11 cm

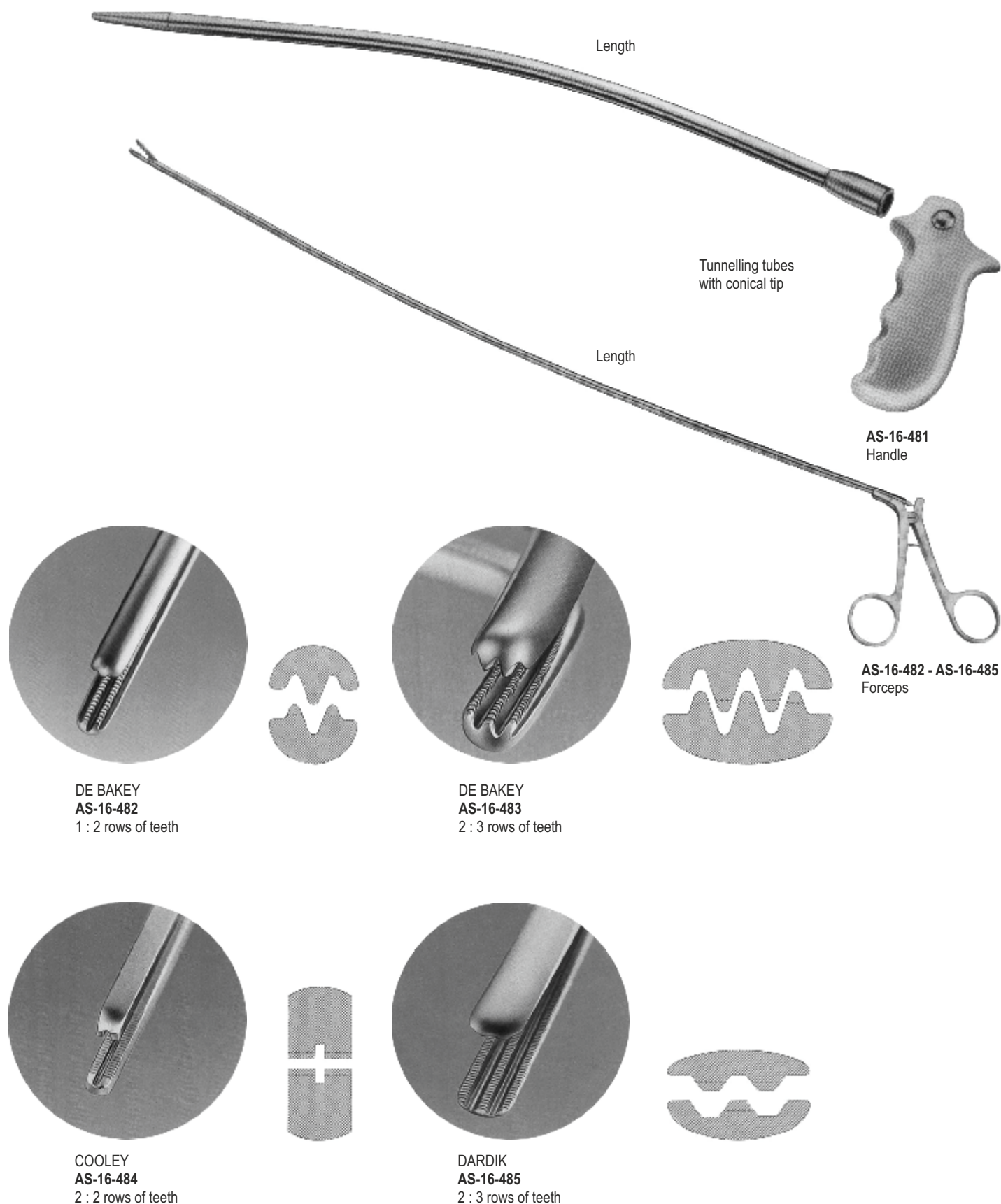


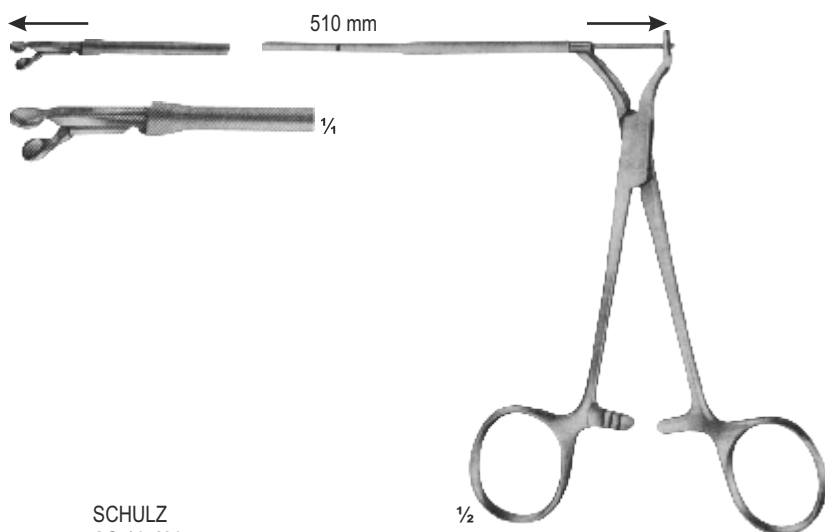
RUMEL-BELBONT
AS-16-477 - AS-16-478
32.5 cm
AS-16-477 - 4 mm Ø
AS-16-478 - 6.4 mm Ø



AS-16-479 AS-16-480

AS-16-479 - AS-16-480
Guide only

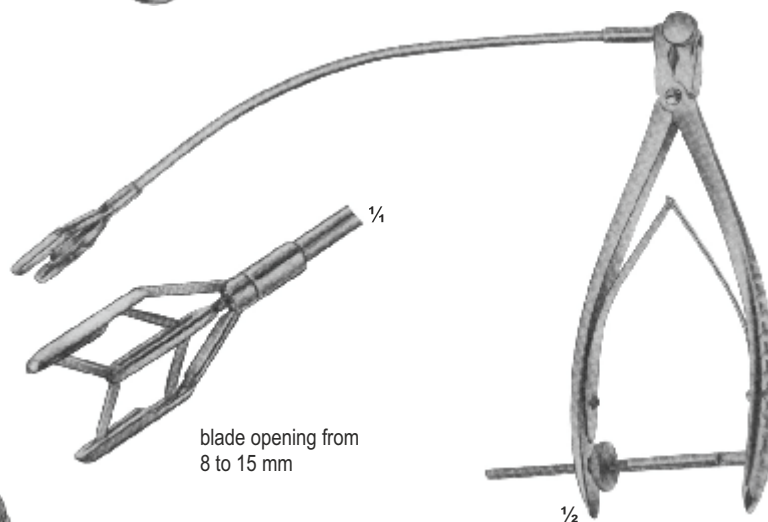




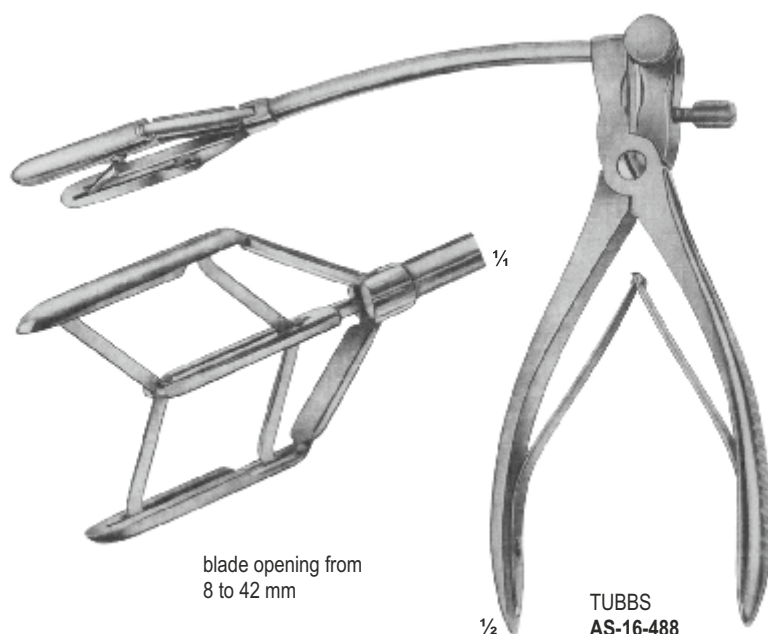
SCHULZ
AS-16-486

Biopptome, mit flexiblem Schaft, 510 mm lang,
with round jaws 3 mm diam.

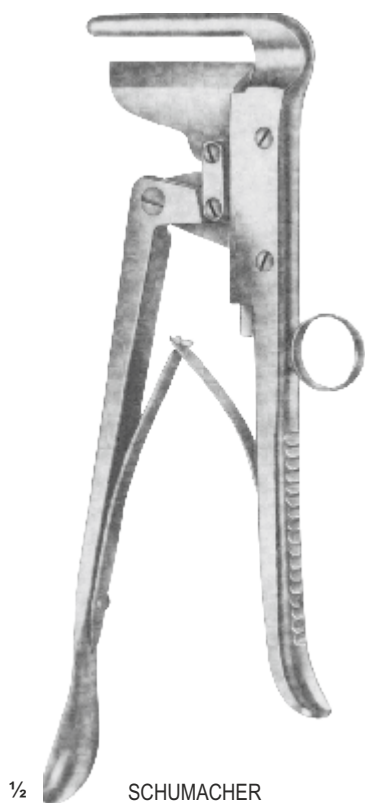
Biopsy forceps, for biopsy from the right atrium
through cava juglaris, prior to heart implantations.



COOLEY
AS-16-487
Dilator for
mitral valve
for children



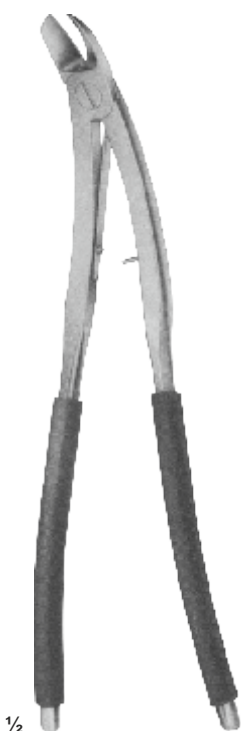
TUBBS
AS-16-488
Dilator for
mitral valve



$\frac{1}{2}$ SCHUMACHER
Sternum shears
AS-16-489
210 mm

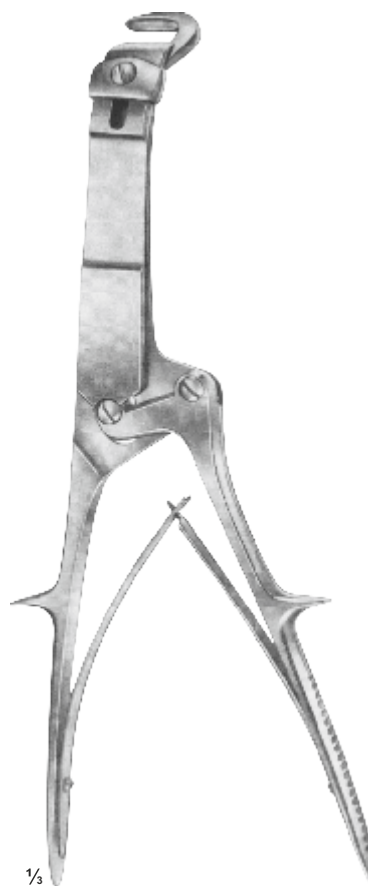


$\frac{1}{3}$ GIERTZ-STILLE
AS-16-490
250 mm



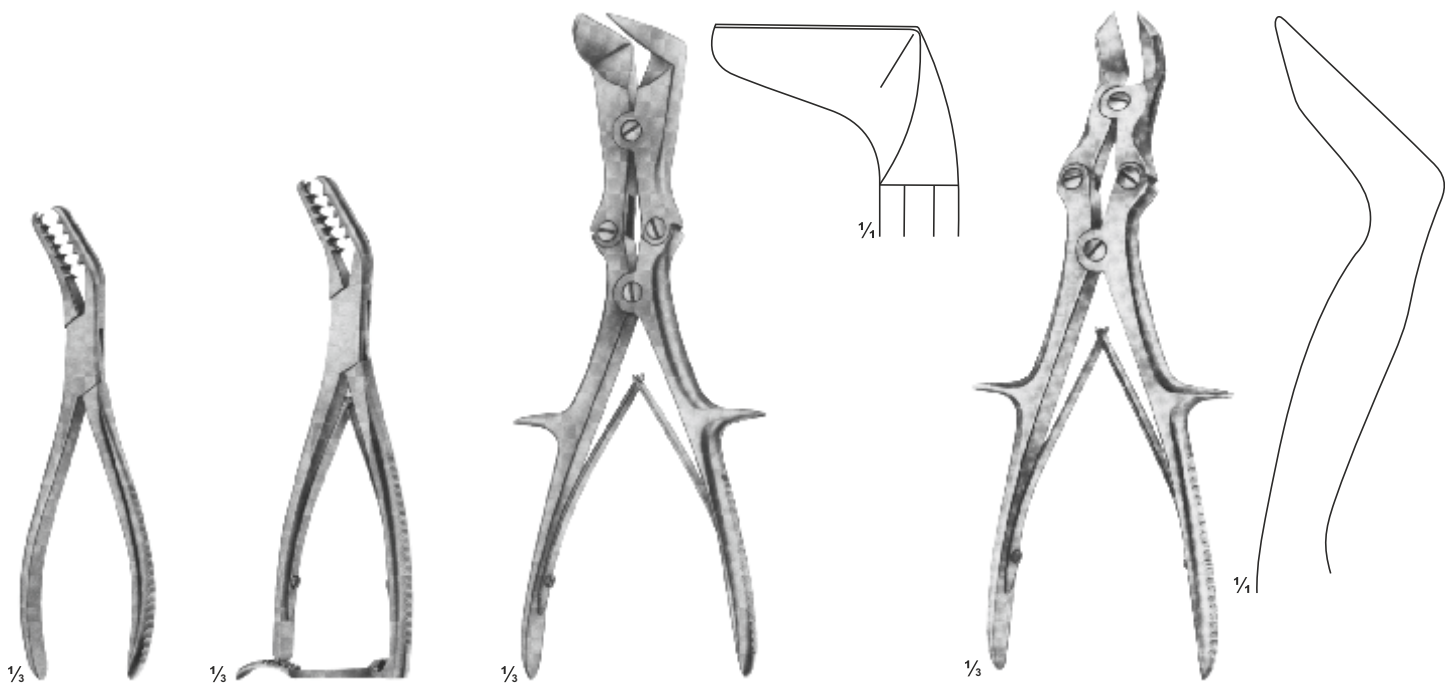
$\frac{1}{2}$

GLUCK
AS-16-491
190 mm



$\frac{1}{3}$

BRUNNER
Universal Pattern
AS-16-492
340 mm

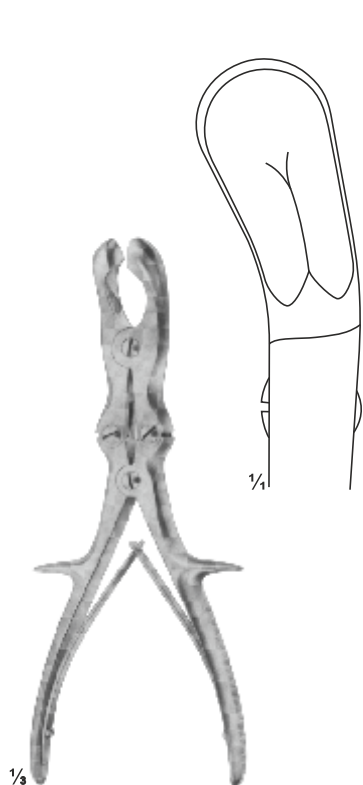


AS-16-493
SEMB
Rib-and Bone
Holding forceps
190 mm

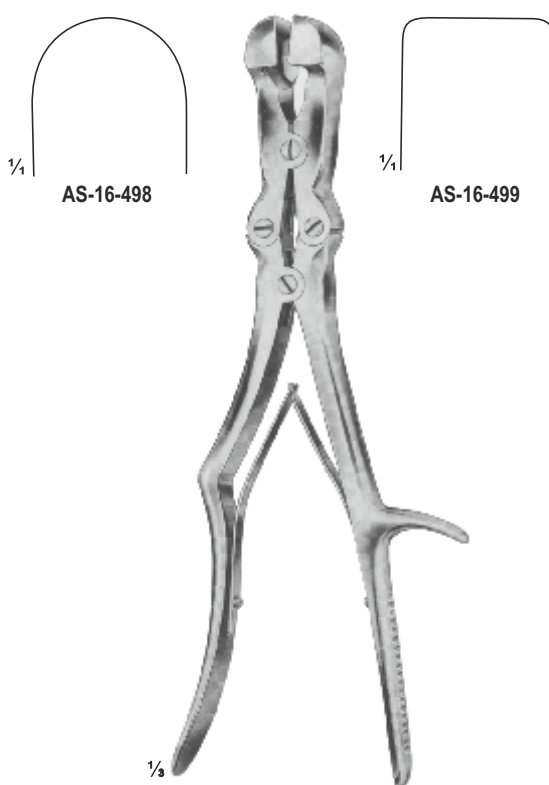
AS-16-494
SEMB
Rib-and Bone
Holding forceps
190 mm

AS-16-495
LISTON-STILLE
265 mm

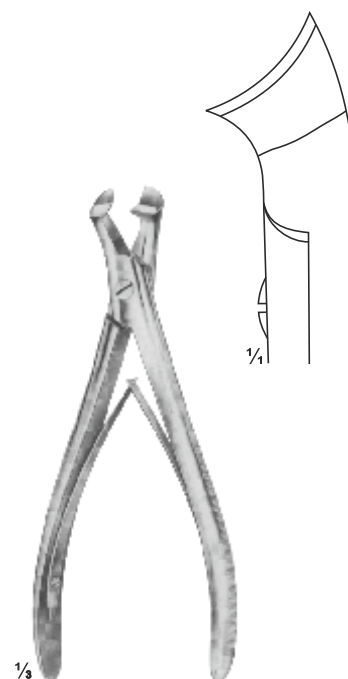
AS-16-496
LISTON-KEY-HORSLEY
255 mm



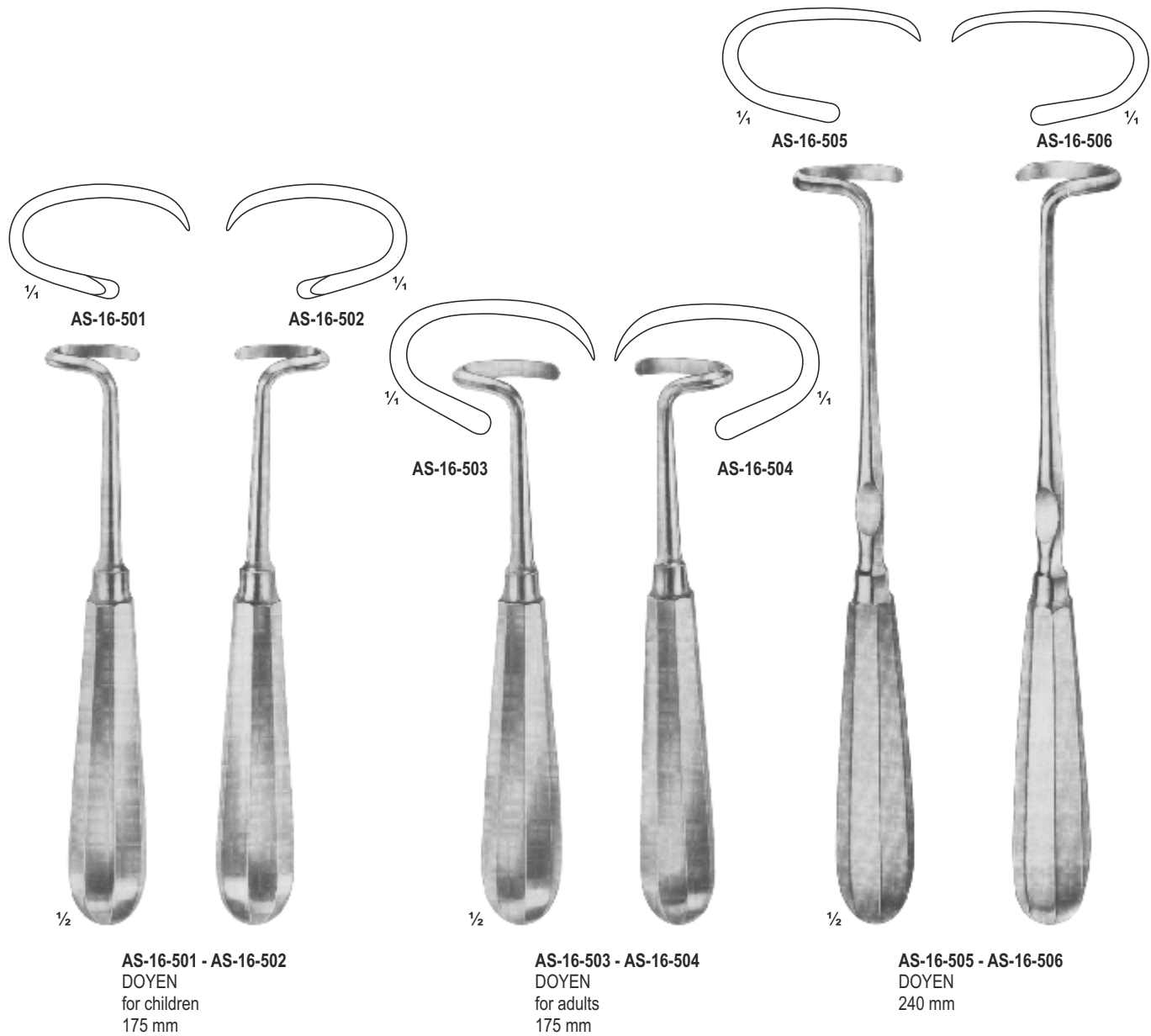
AS-16-497
SEME
Rib Rongeur to shorten
the rib stumps
240 mm



AS-16-498 - AS-16-499
SAUERDRUCH-CORYLLOS
Rib rongeurs to shortn
the rib stumbe
310 mm

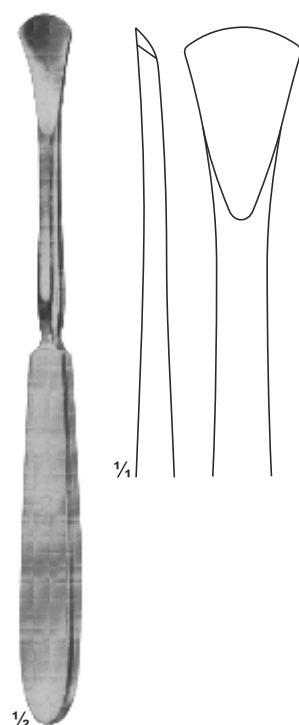
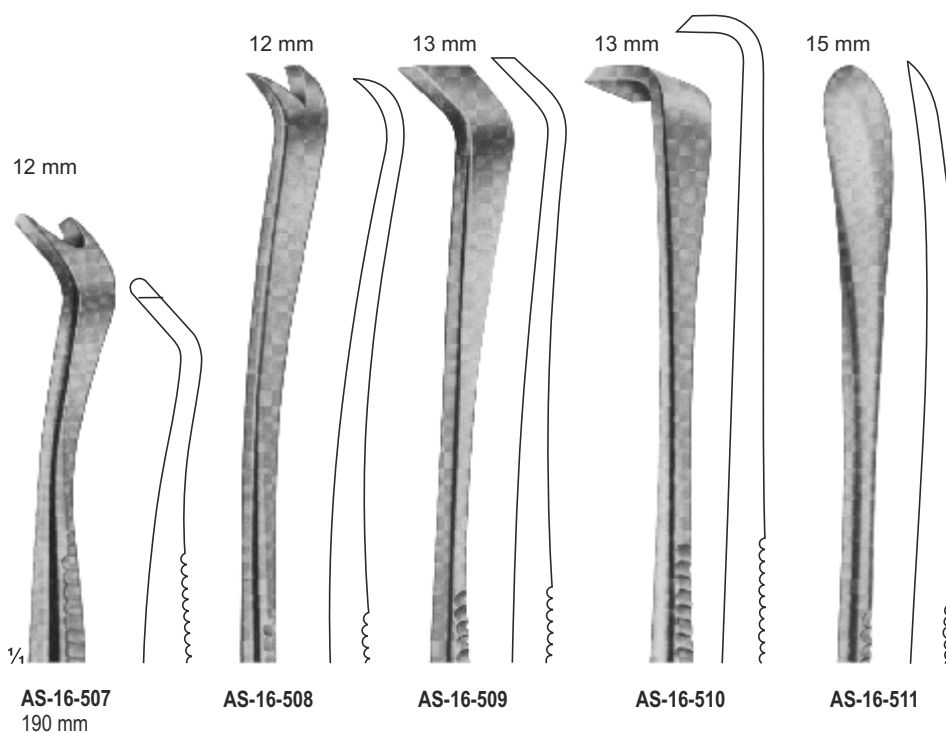


AS-16-500
MARKWALDER
Rib Rongeur to Round
the rib stumps
190 mm

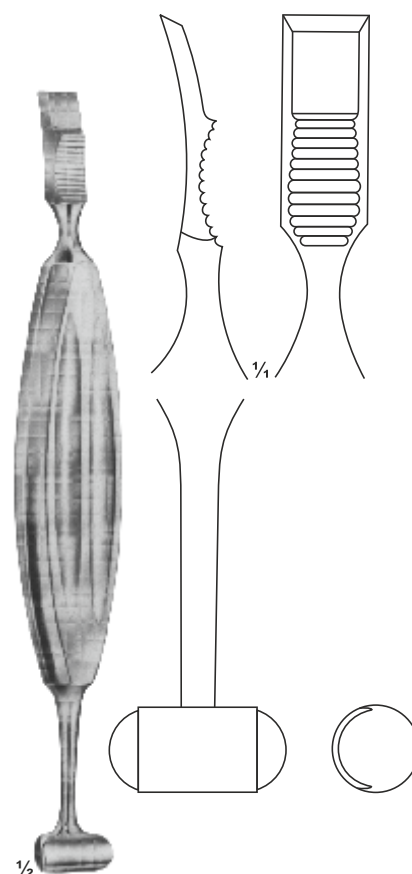
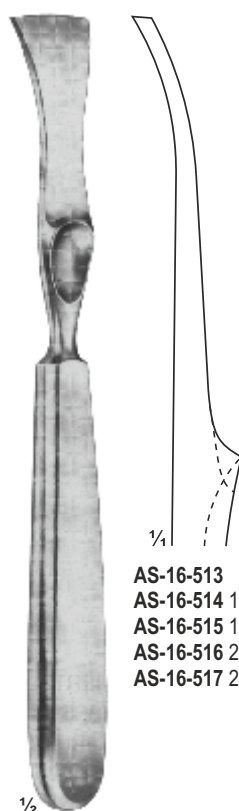




AS-16-507 - AS-16-511
SEMB
230 mm



AS-16-512
LANGENBECK
190 mm

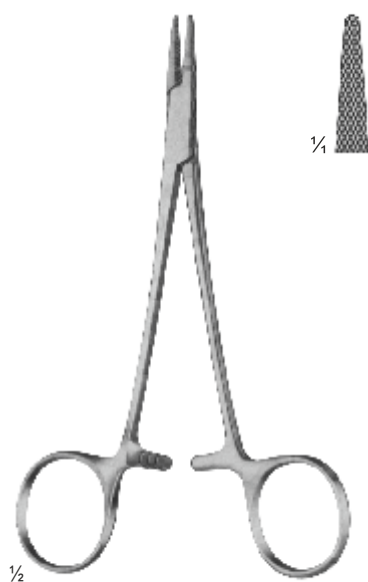


AS-16-518
ALEXANDER
210 mm



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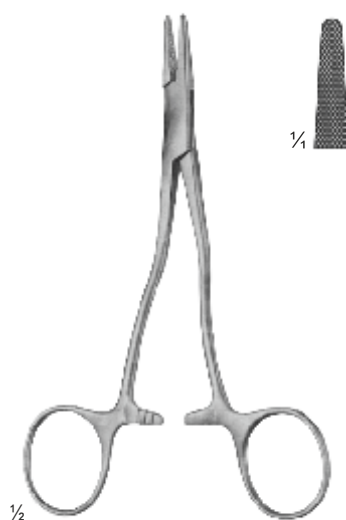
- Needle Holders
- Suture Instruments
- Ligature Needles
- Guiding Probes



CRILE-MURRAY
AS-17-101
15 cm



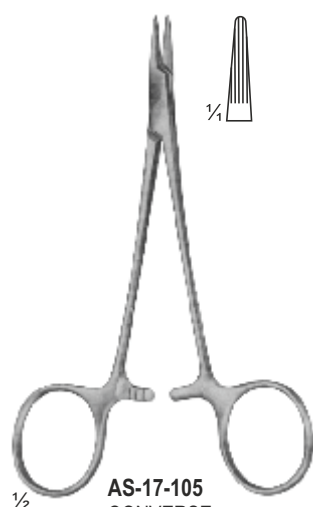
CRILE-WOOD
AS-17-102
16 cm



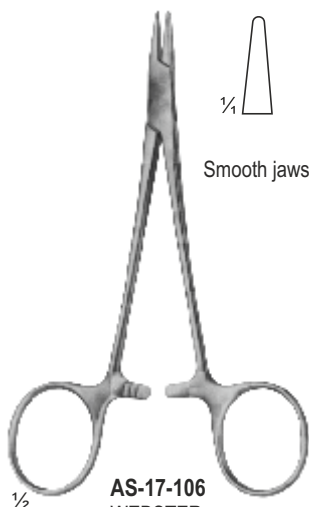
KILNER
AS-17-103
13.5 cm



ADSON
AS-17-104
17.5 cm



AS-17-105
CONVERSE
125 mm



AS-17-106
WEBSTER
125 mm

Smooth jaws



AS-17-107



AS-17-108

Smooth jaws



AS-17-109
DERF
130 mm

AS-17-107 - AS-17-108
HALSEY
130 mm



AS-17-110
BAUMGARTNER
145 mm

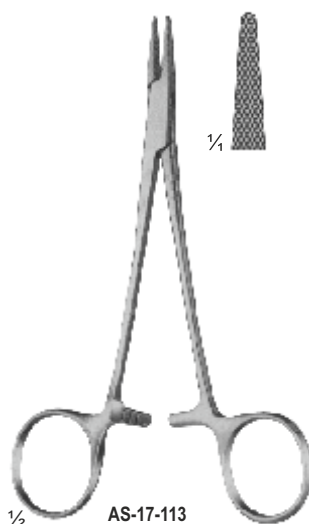


AS-17-111
CRILE-WOOD
150 mm

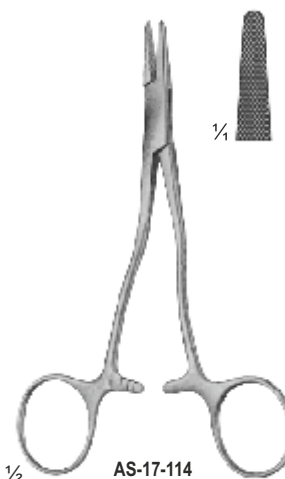
Fine Pattern



AS-17-112
CRILE-WOOD
160 mm



AS-17-113
CRILE-MURRAY
150 mm



AS-17-114
KILNER
135 mm



AS-17-115
ADSON
175 mm



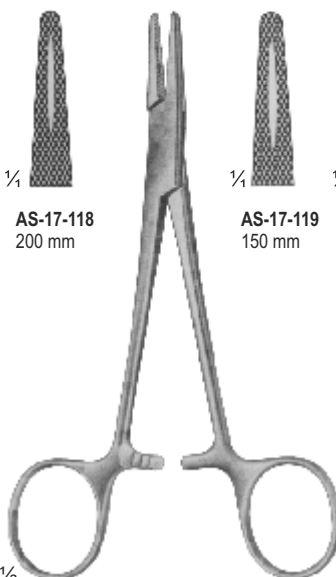
AS-17-116
150 mm



AS-17-117
180 mm



AS-17-118
200 mm



AS-17-119
150 mm



AS-17-120
175 mm



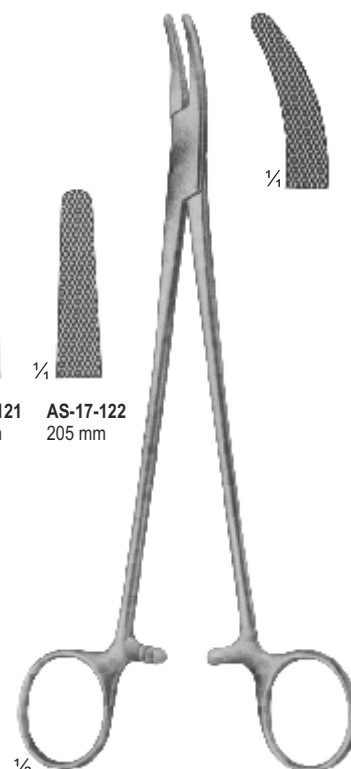
AS-17-121
200 mm



AS-17-122
205 mm



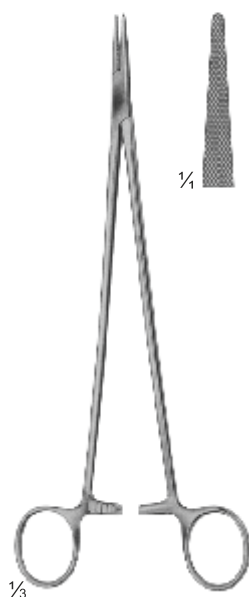
AS-17-119 - AS-17-122
HEGAR
Heavy Patterns



AS-17-123
HEANEY (HEGAR)
200 mm

1/2

AS-17-116 - AS-17-118
MAYO-HEGAR
Medium fine patterns



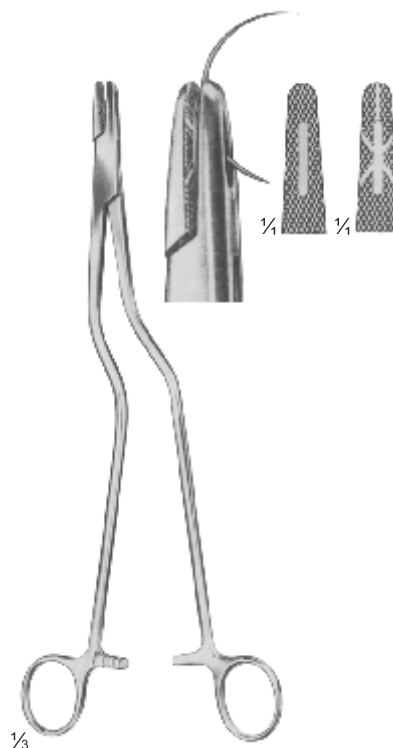
AS-17-124
JAMESON
230 mm



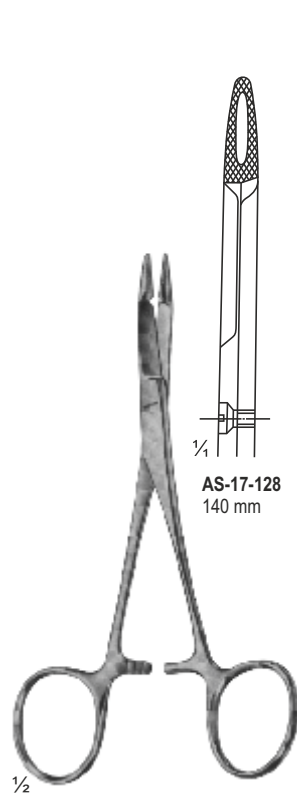
AS-17-125
WANGENSTEEN
275 mm



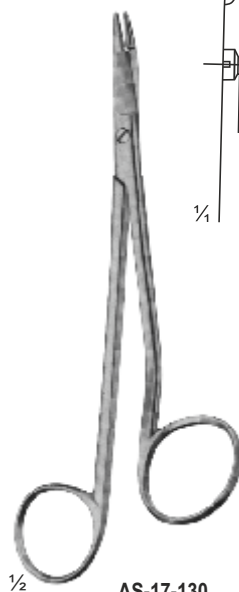
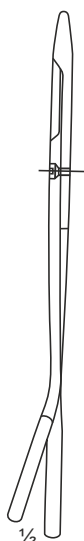
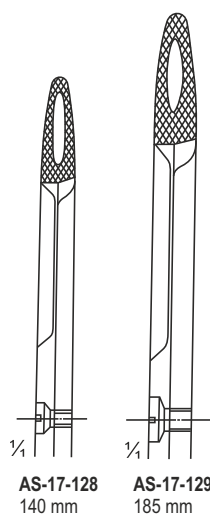
AS-17-126
MASSON
265 mm



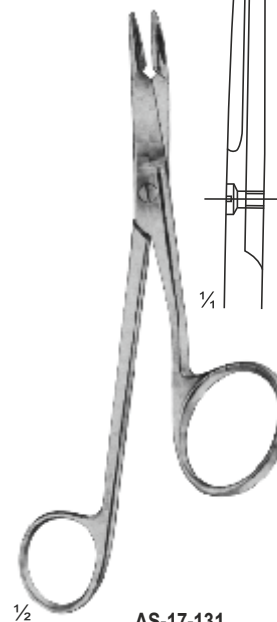
AS-17-127
MASSON-LUETHY
255 mm



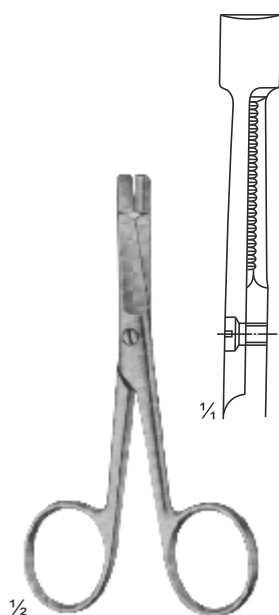
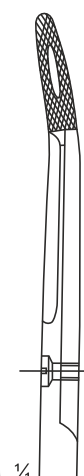
AS-17-128 - AS-17-129
HEGAR-OLSEN
255 mm



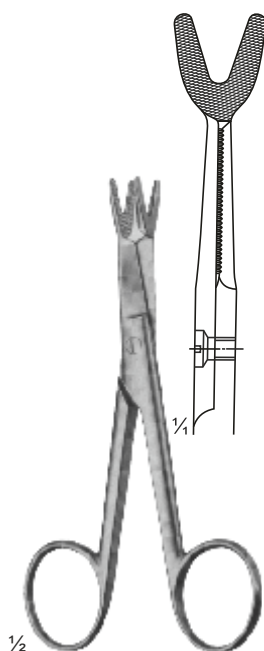
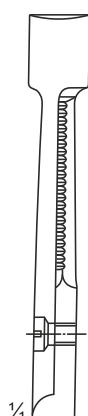
AS-17-130
GILLIES
150 mm



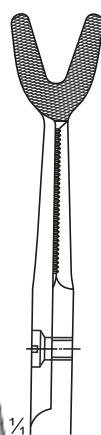
AS-17-131
GILLIES
160 mm



AS-17-132
EISELSBERG
115 mm



AS-17-133
SCHOEMAKER-LOTH
125 mm

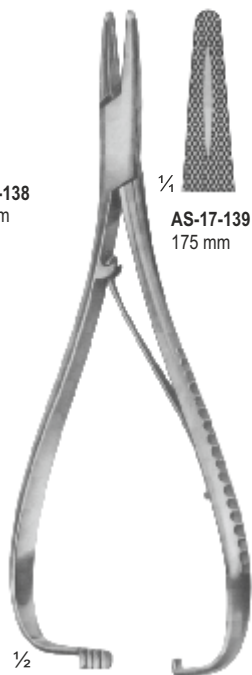
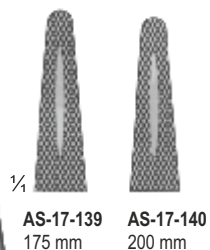
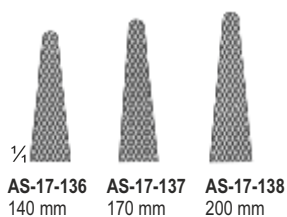


AS-17-134
CRILE
150 mm



AS-17-135
TOENNIS
Elastic pattern for
dura-or intestinal suture
180 mm

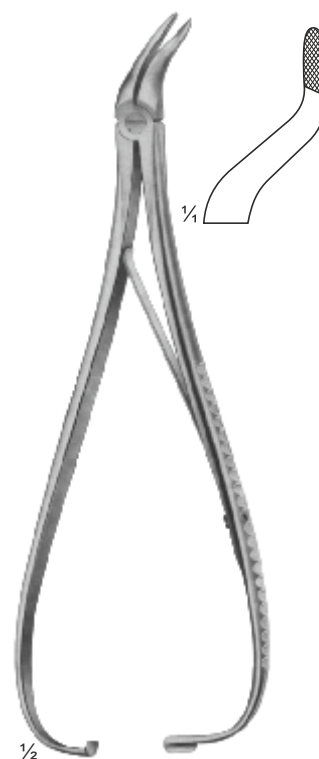




AS-17-139 - AS-17-140
MATHIEU-STILLIE
Very heavy models



AS-17-141
BOYNTON
125 mm



AS-17-142
EISELSBERG-MATHIEU
For palate suture
195 mm



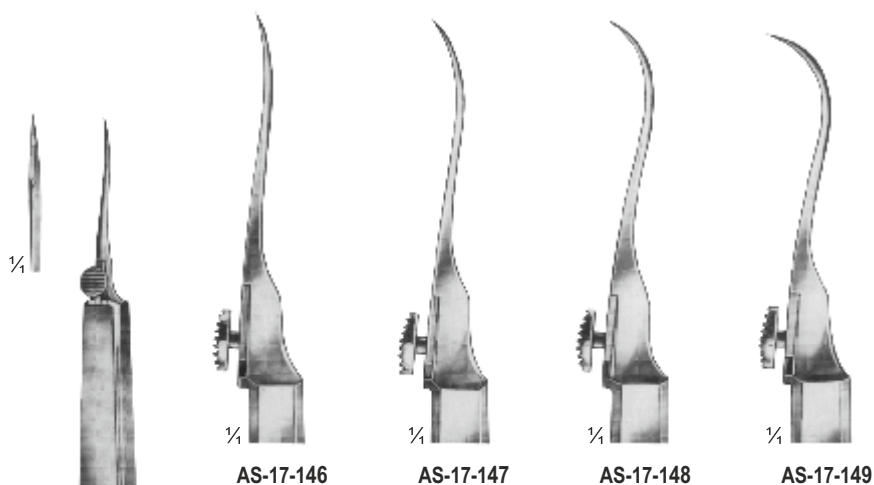
AS-17-143
MATHIEU-KOCHER



AS-17-144
BOYNTON
125 mm



AS-17-145
MILLIN
Ligature holding forceps
245 mm



AS-17-146 - AS-17-149
REVERDIN
140 mm



AS-17-150 - AS-17-153
REVERDIN
195 mm

AS-17-154 - AS-17-157
REVERDIN
220 mm



AS-17-158
KRONECKER
for right hand
blunt
155 mm



AS-17-159
KRONECKER
for left hand
blunt
155 mm



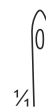
AS-17-160
DESCHAMPS
for right hand
steep turn
225 mm



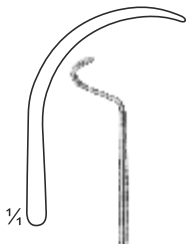
AS-17-161
DESCHAMPS
for left hand
steep turn
225 mm



AS-17-162
DESCHAMPS
for right hand
steep turn blunt
225 mm



AS-17-163
DESCHAMPS
for left hand
steep turn blunt
225 mm



AS-17-164
DESCHAMPS
for right hand
steep turn blunt
230 mm



AS-17-165
DESCHAMPS
for left hand
steep turn blunt
230 mm



AS-17-166
DESCHAMPS
for right hand blunt
215 mm



AS-17-167
DESCHAMPS
for left hand blunt
215 mm

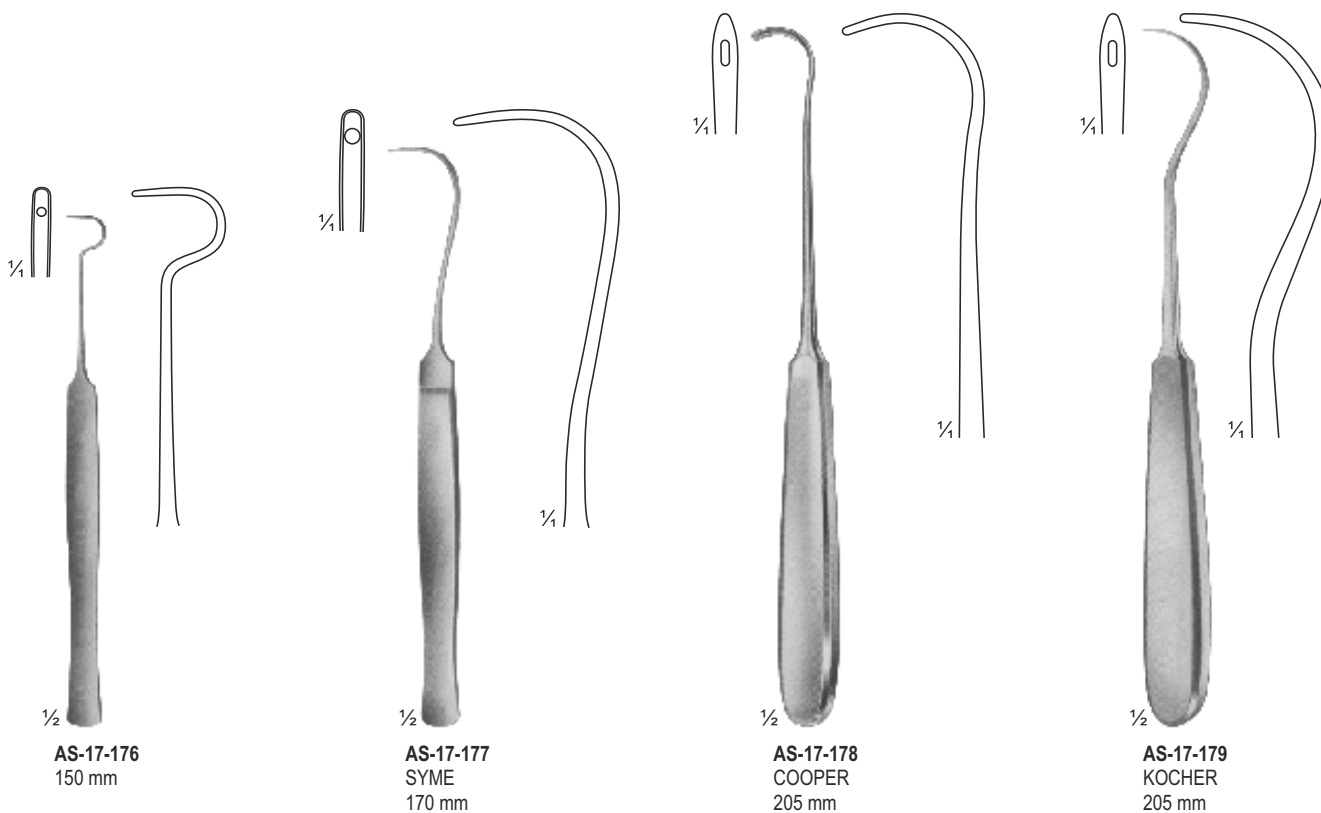
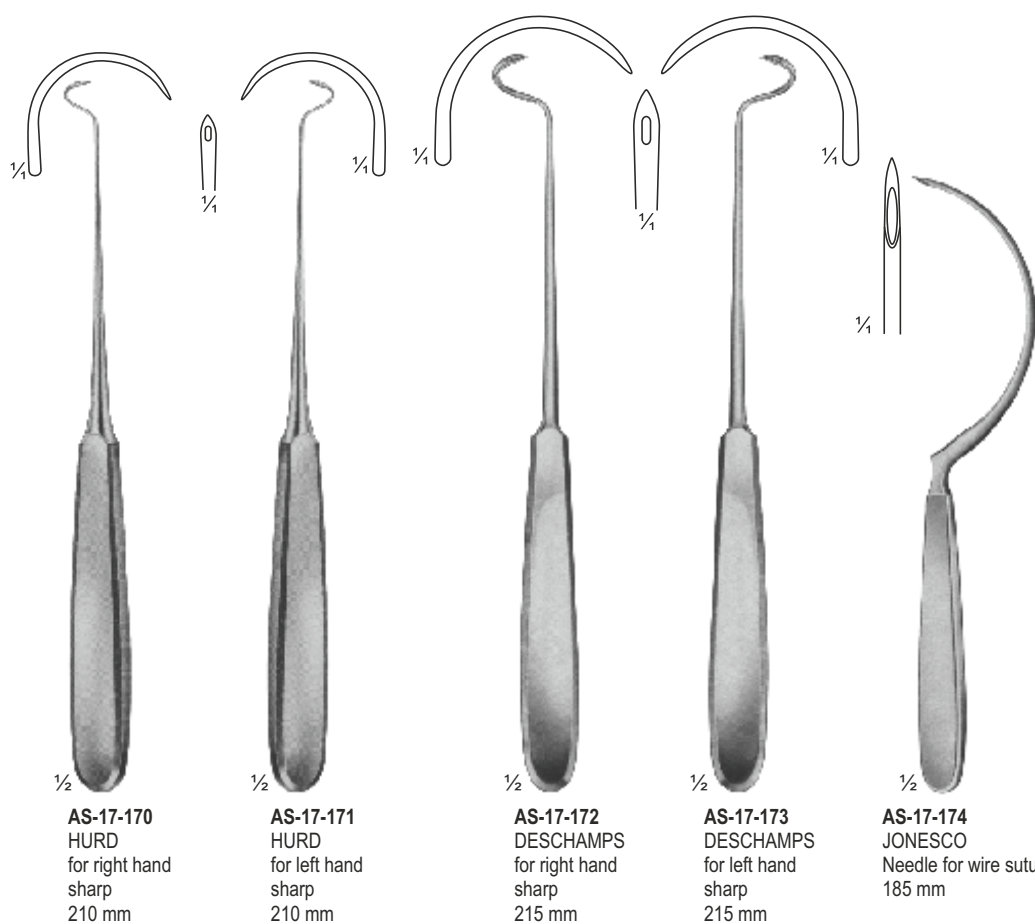


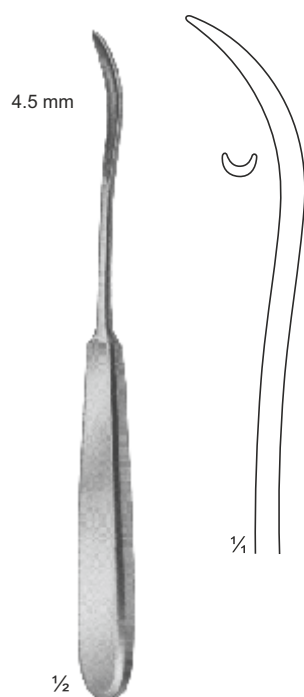
AS-17-168
DESCHAMPS
for right hand blunt
215 mm



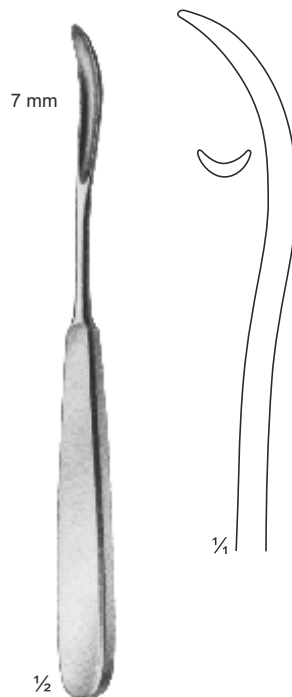
AS-17-169
DESCHAMPS
for left hand blunt
215 mm



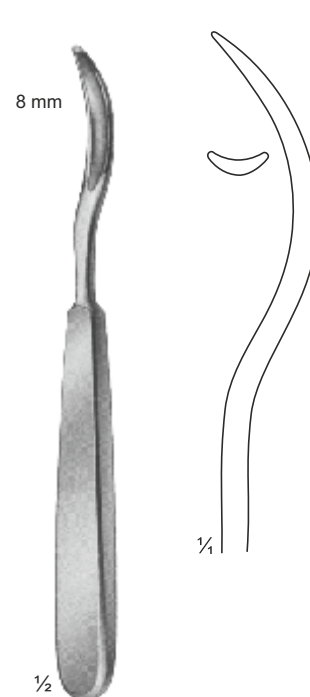




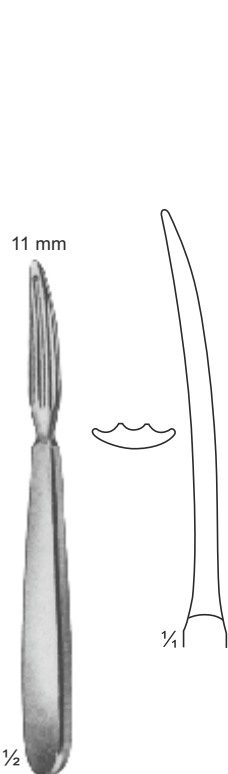
AS-17-180
KOENIG
195 mm



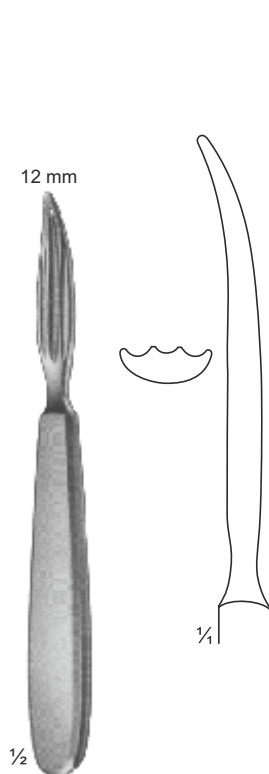
AS-17-181
KOENIG
200 mm



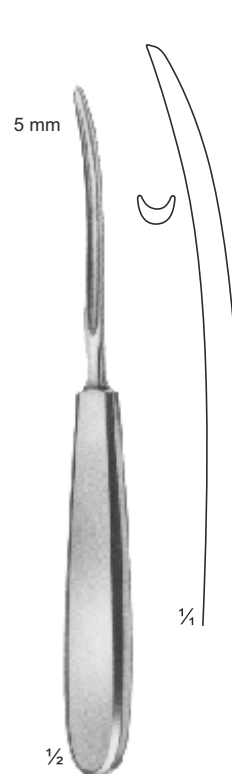
AS-17-182
SCHMIEDEN
185 mm



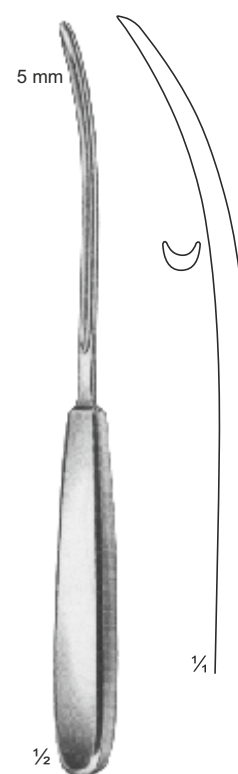
AS-17-183
KOCHER
150 mm



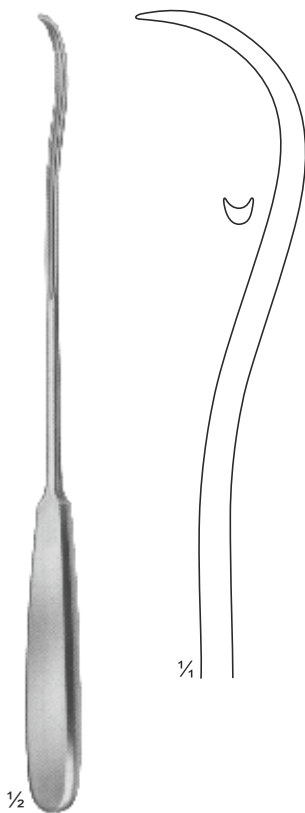
AS-17-184
KOCHER
170 mm



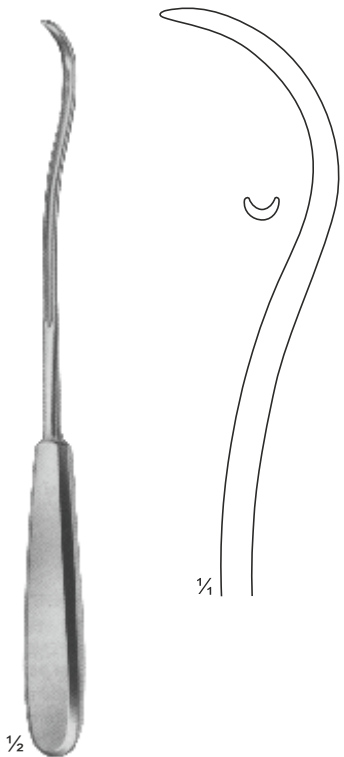
AS-17-185
PAYR
195 mm



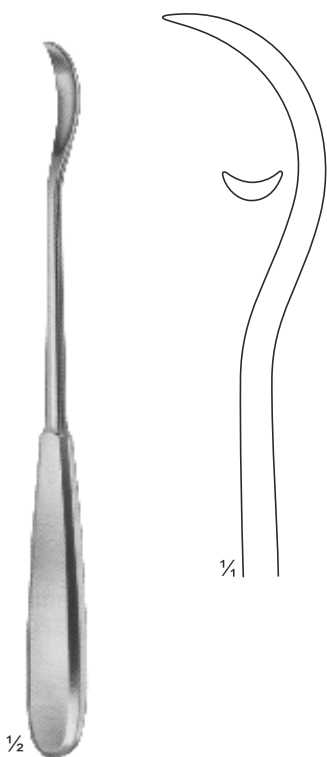
AS-17-186
PAYR
225 mm



AS-17-187
280 mm



AS-17-188
KIRSCHNER
255 mm



AS-17-189
BRUNNER
245 mm



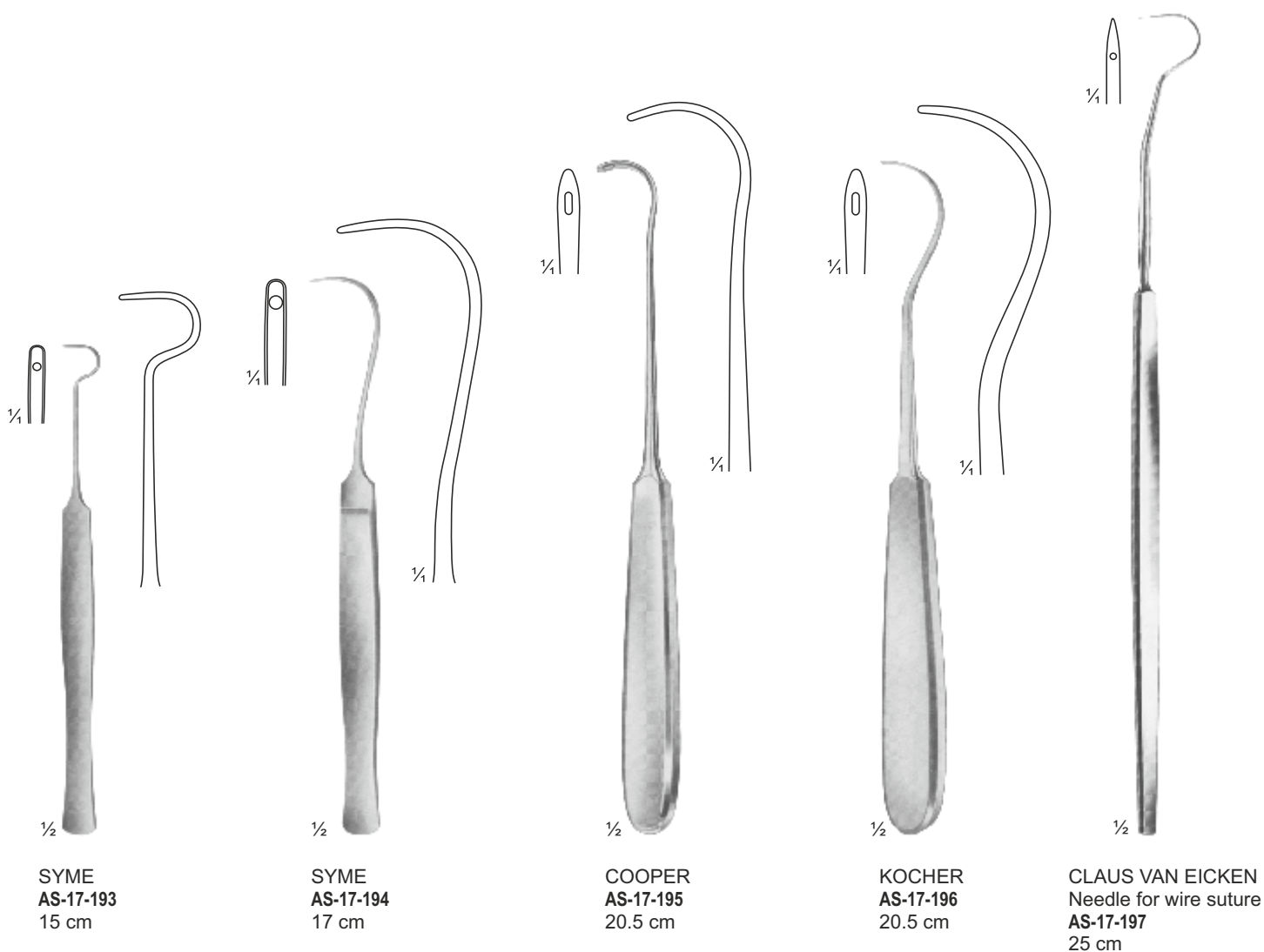
AS-17-190
Ligature Adjuster
230 mm

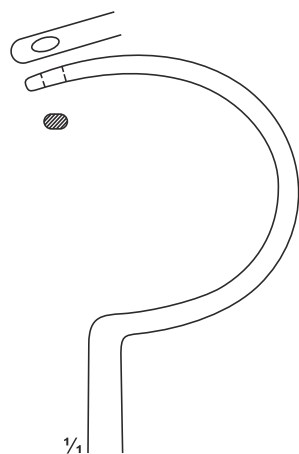


AS-17-191
CASPER
Ligature Adjuster
230 mm

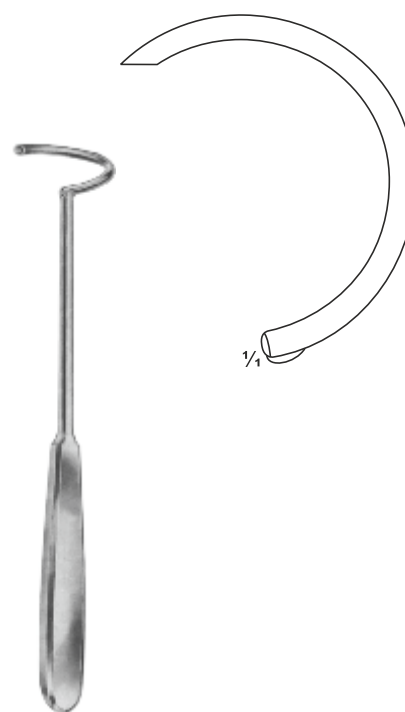


AS-17-192
WIENER MODEL
Suture hook
235 mm

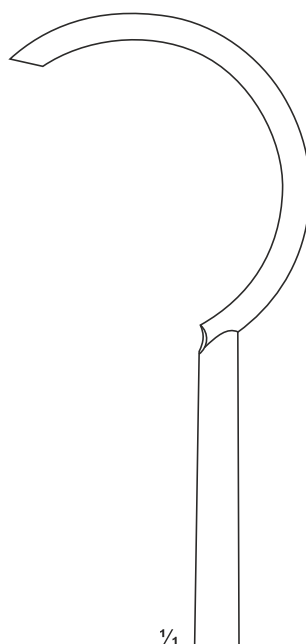




DEMEL
Wire guides
AS-17-198 - AS-17-200
AS-17-198 275 mm
AS-17-199 285 mm
AS-17-200 305 mm



AS-17-201
225 mm



AS-17-202 - AS-17-203
AS-17-202 240 mm
AS-17-203 270 mm



KALT
AS-17-204
13.5 cm



DIETRICH
AS-17-205 - AS-17-209
AS-17-205 16 cm
AS-17-206 18 cm
AS-17-207 20 cm
AS-17-208 23 cm
AS-17-209 26 cm



WEBSTER
AS-17-210
13 cm



DERF
AS-17-211
12 cm



HEGAR-BAUMGARTNER
AS-17-212 - AS-17-213
AS-17-212 12.5 cm
AS-17-213 14 cm

AS-17-212
12.5 cm

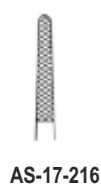
AS-17-213
14 cm



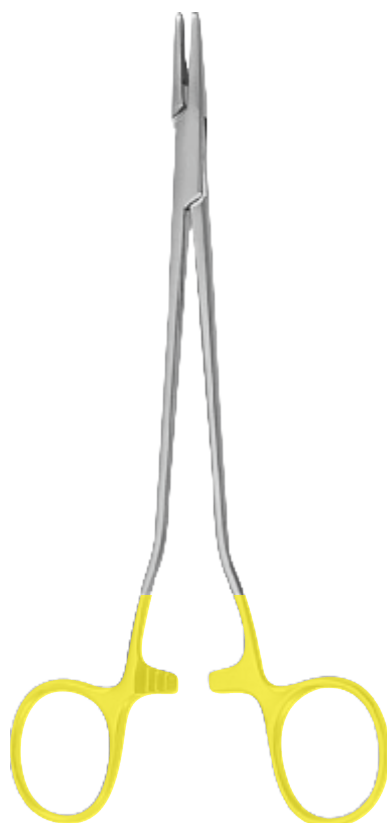
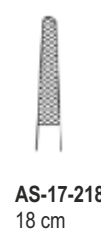
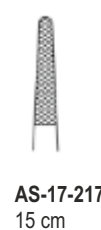
WEBSTER
AS-17-214
13 cm



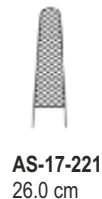
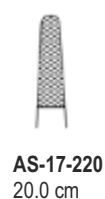
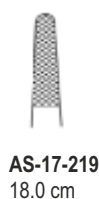
HALSEY
AS-17-215 - AS-17-216
13 cm



CRILE-WOOD
AS-17-217 - AS-17-218



SAROT
AS-17-219 - AS-17-221

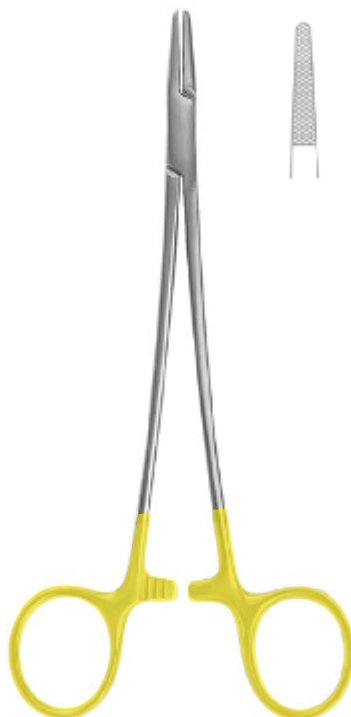




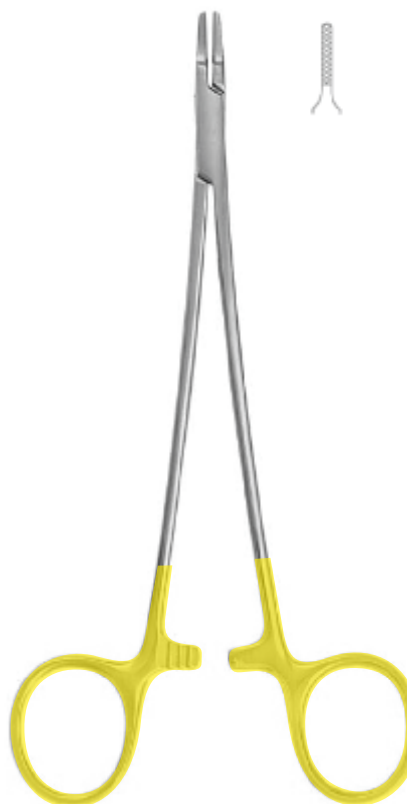
MAYO-HEGAR
AS-17-222 - AS-17-227
AS-17-222 16 cm
AS-17-223 18 cm
AS-17-224 20 cm
AS-17-225 24 cm
AS-17-226 26 cm
AS-17-227 30 cm



MAYO-HEGAR (HEANEY)
AS-17-228 - AS-17-230
AS-17-228 20 cm
AS-17-229 24 cm
AS-17-230 26 cm



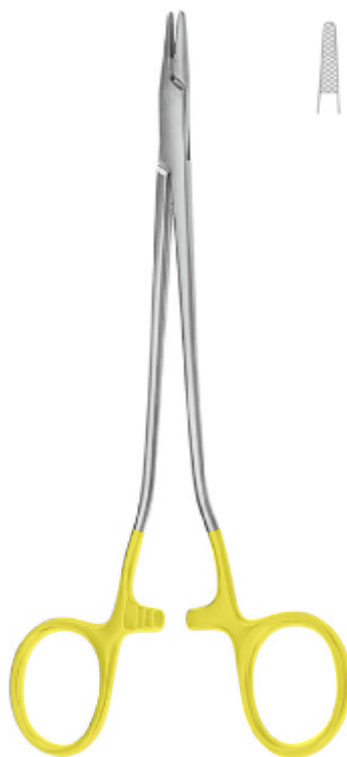
DE BAKAY
AS-17-231 - AS-17-236
AS-17-231 18 cm
AS-17-232 20 cm
AS-17-233 23 cm
AS-17-234 26 cm
AS-17-235 31 cm
AS-17-236 37 cm



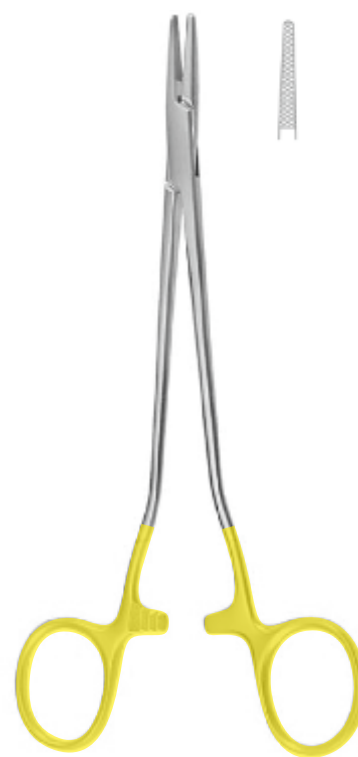
RYDER-VASCULAR
AS-17-237 - AS-17-242
AS-17-237 13 cm
AS-17-238 15 cm
AS-17-239 18 cm
AS-17-240 20 cm
AS-17-241 23 cm
AS-17-242 26 cm



RYDER
AS-17-243 - AS-17-248
AS-17-243 13 cm
AS-17-244 15 cm
AS-17-245 18 cm
AS-17-246 20 cm
AS-17-247 23 cm
AS-17-248 26 cm



SCHWEDISCHES MODELL
AS-17-249 - AS-17-251
AS-17-249 15 cm
AS-17-250 17 cm
AS-17-251 20 cm



MAYO-HEGAR (HEANEY)
AS-17-252 - AS-17-255
AS-17-252 14 cm
AS-17-253 18 cm
AS-17-254 20 cm
AS-17-255 23 cm



FINOCCHIETTO
AS-17-256
27 cm



MASSON
AS-17-257
27 cm



WANGENSTEEN
AS-17-258
27 cm



BOZEMANN
AS-17-259 - AS-17-261
AS-17-259 20 cm
AS-17-260 24 cm
AS-17-261 26 cm



BERRY STERNAL
AS-17-262 - AS-17-263



AS-17-262
FOR STERNUM
SUTURE
15 cm

AS-17-263
WIRE TWISTER
20 cm



HEGAR
AS-17-264 - AS-17-265
AS-17-264 20 cm
AS-17-265 24 cm





STRATTE
AS-17-266 - AS-17-267
AS-17-266 22 cm
AS-17-267 23 cm



GILLIES
AS-17-268
16 cm



OLSEN-HEGAR
AS-17-269 - AS-17-271
AS-17-269 14 cm
AS-17-270 17 cm
AS-17-271 18 cm



TOENNIS
AS-17-272
18 cm



LICHTENBERG
AS-17-273 - AS-17-274
AS-17-273 17 cm
AS-17-274 20 cm



MATHIEU-KOCHER
AS-17-275 - AS-17-277
AS-17-275 14 cm
AS-17-276 17 cm
AS-17-277 20 cm



MATHIEU
AS-17-278 - AS-17-280
AS-17-278 14 cm
AS-17-279 17 cm
AS-17-280 20 cm



MATHIEU
AS-17-281 - AS-17-283
AS-17-281 14 cm
AS-17-282 17 cm
AS-17-283 20 cm



ZWEIFEL
AS-17-284 - AS-17-285
AS-17-284 20 cm
AS-17-285 23 cm



LANGENBECK
AS-17-286 - AS-17-288
AS-17-286 18 cm
AS-17-287 20 cm
AS-17-288 23 cm



CASTROVIEJO
AS-17-289 - AS-17-292
14.5 cm



AS-17-289



AS-17-290



AS-17-291



AS-17-292



CASTROVIEJO
AS-17-293 - AS-17-296
18 cm



AS-17-293



AS-17-294



AS-17-295



AS-17-296



BARRAQUER
AS-17-297 - AS-17-300
14.5 cm



AS-17-297



AS-17-298



AS-17-299



AS-17-300

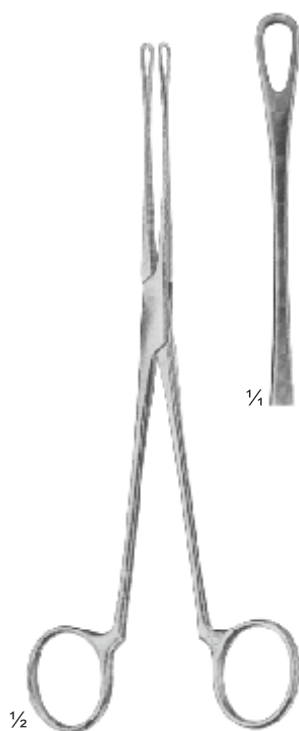


HEPP SCHEIDEL
AS-17-301
18 cm

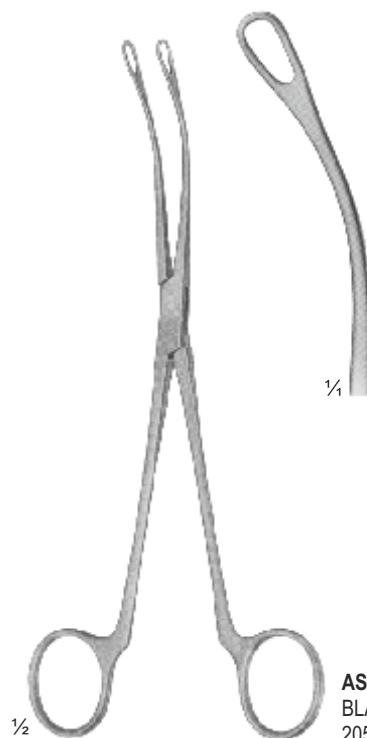


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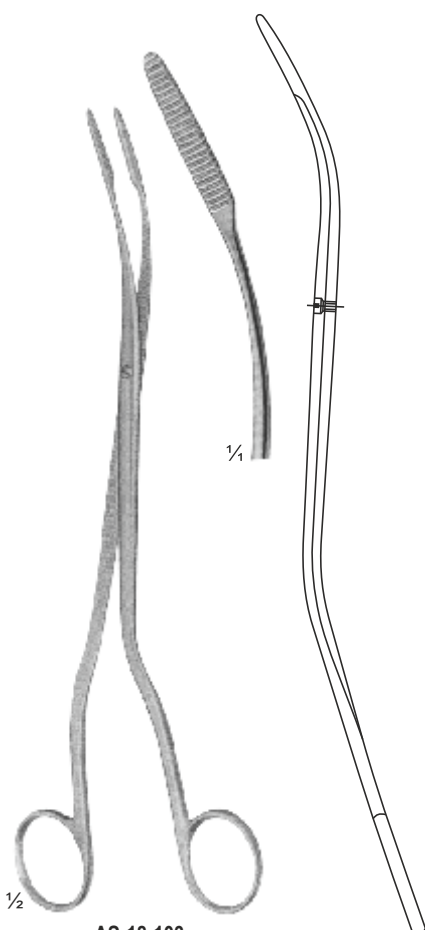
- Gall Bladder, Liver and Spleen Instruments
- Genito Urinary Instruments



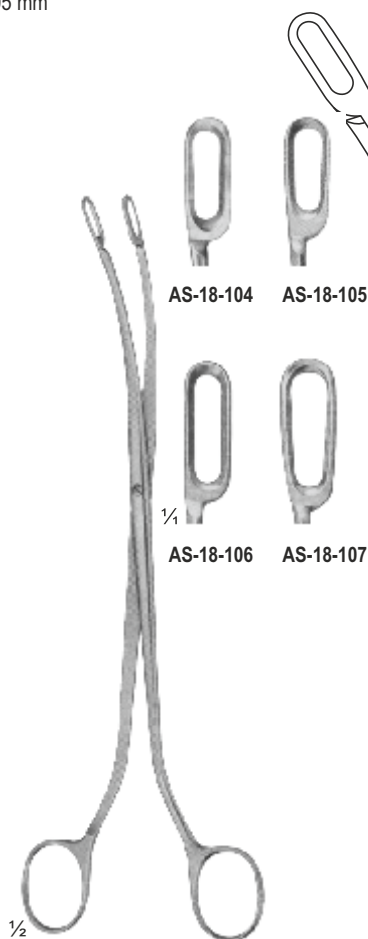
AS-18-101
BLAKE
205 mm



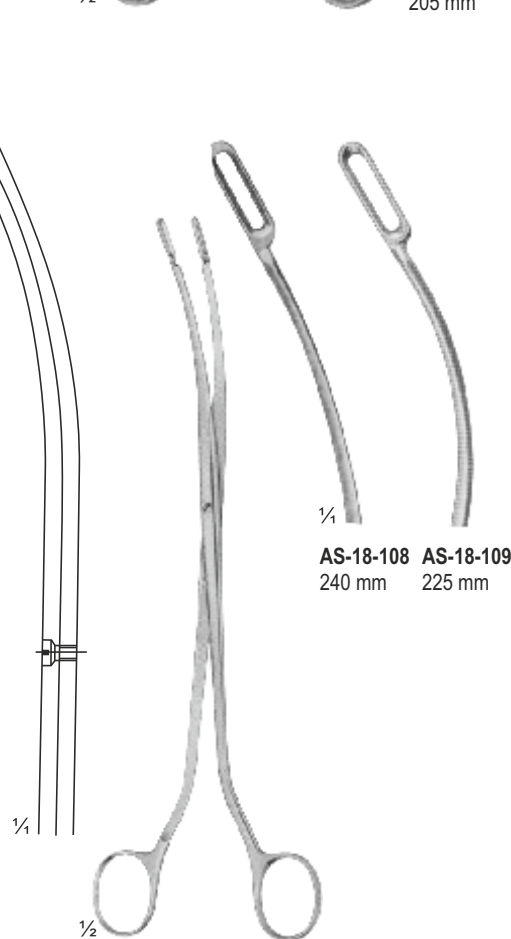
AS-18-102
BLAKE
205 mm



AS-18-103
CZERNY
245 mm



AS-18-104 - AS-18-107
DESJARDINS
225 mm



AS-18-108 - AS-18-109
DESJARDINS
Extremely delicate patterns



AS-18-110



AS-18-111



AS-18-112



AS-18-113



AS-18-110 - AS-18-113
RANDALL
225 mm



AS-18-114



AS-18-115



AS-18-116



AS-18-114 - AS-18-116
RANDALL
190 mm

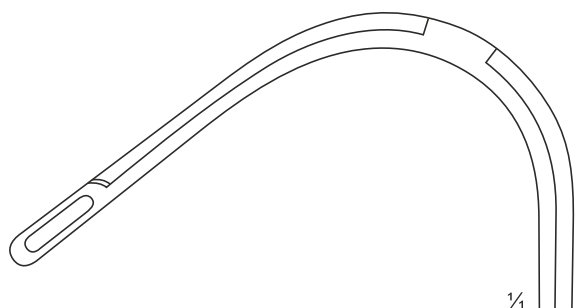


Fig. 1
AS-18-117
230 mm

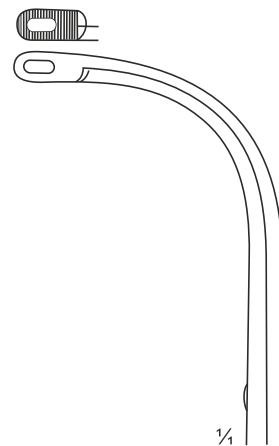


Fig. 1
AS-18-119
160 mm

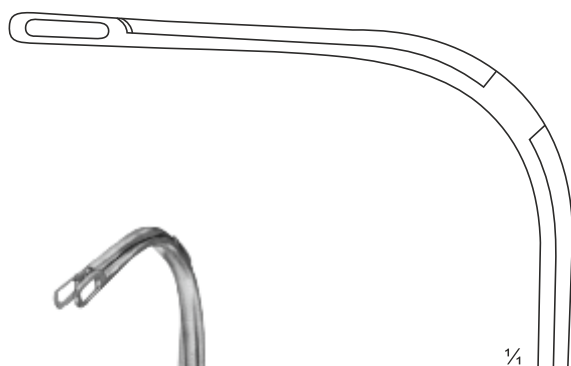


Fig. 2
AS-18-118
240 mm



RANDALL
AS-18-117 - AS-18-118



HEIMING
AS-18-119 - AS-18-120



Fig. 1
AS-18-120
170 mm



ELSÄSSER
AS-18-121 - AS-18-122
210 mm

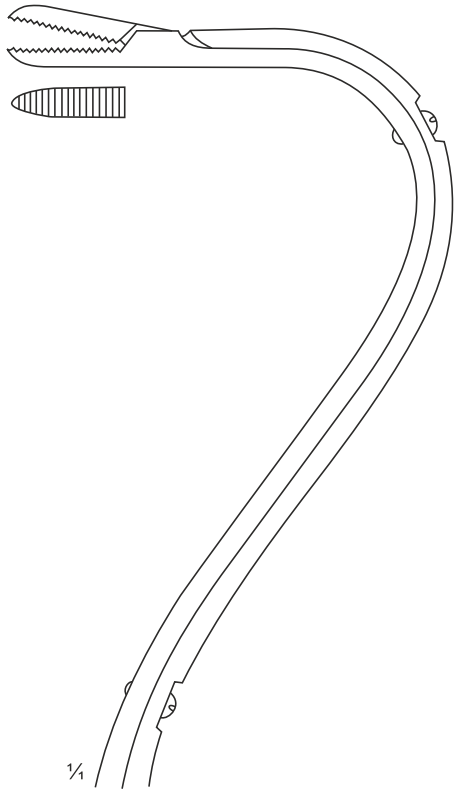


Fig. 1
AS-18-121

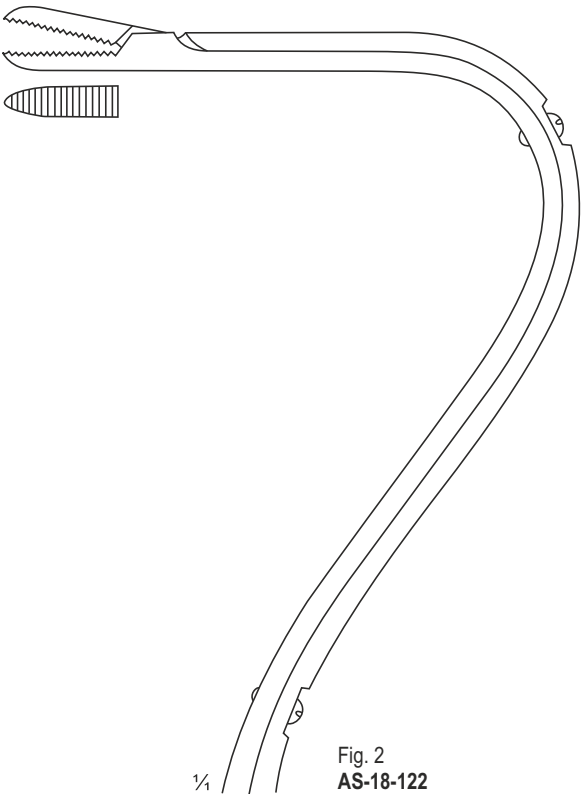
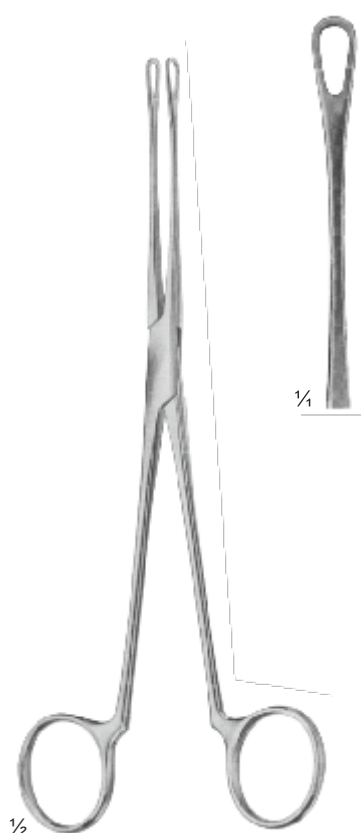
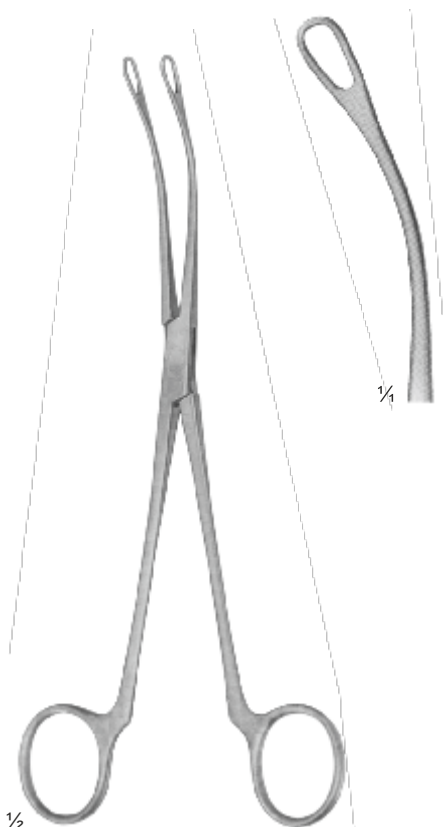


Fig. 2
AS-18-122



BLAKE
AS-18-123
205 mm



BLAKE
AS-18-124
205 mm

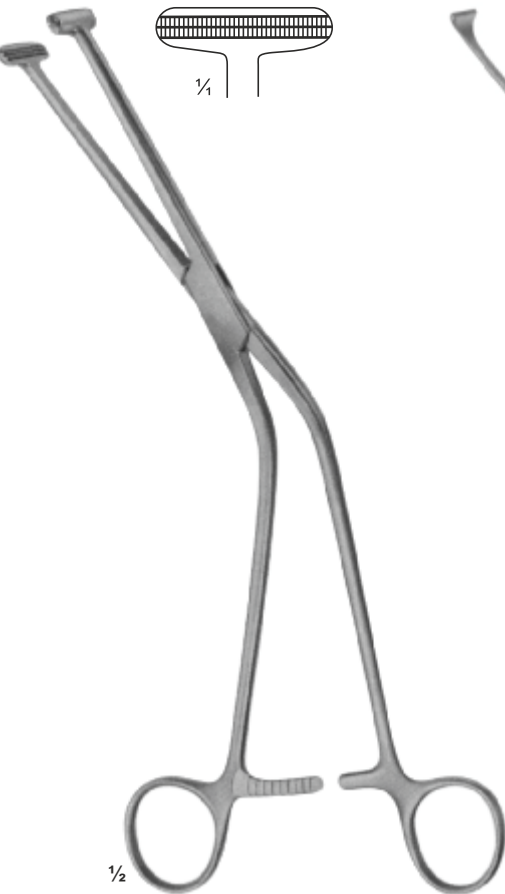


MAYO-BLAKE
AS-18-125
210 mm



MAYO-BLAKE
AS-18-126
210 mm

ATRAUMA



MILLIN
Lobe grasping forceps
AS-18-127
235 mm

ATRAUMA



MILLIN
Lobe grasping forceps
AS-18-128
245 mm



MILLIN
Ligature holding forceps
AS-18-129
245 mm



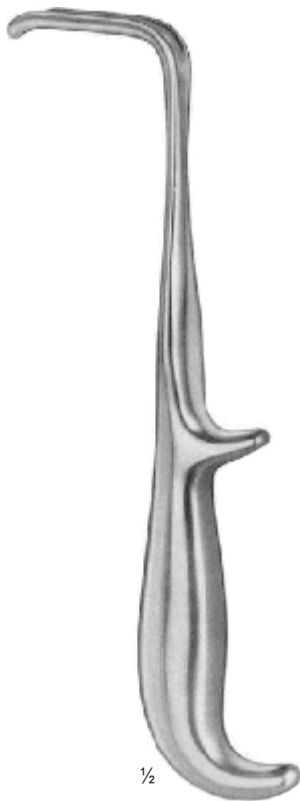
LEGUEU
AS-18-130
270 mm



KOCHER
AS-18-131
260 mm



KOCHER
AS-18-132
260 mm



YOUNG
AS-18-133
210 mm



YOUNG
AS-18-134
220 mm



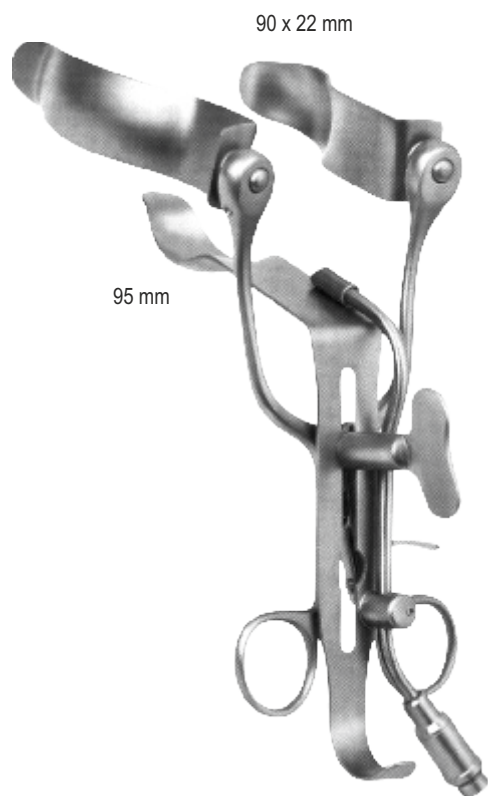
YOUNG
AS-18-135
210 mm



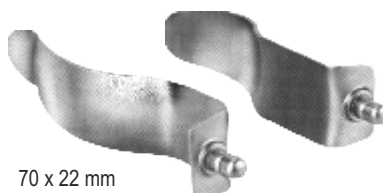
YOUNG
AS-18-136
220 mm



SPERMATIC
AS-18-137
160 mm



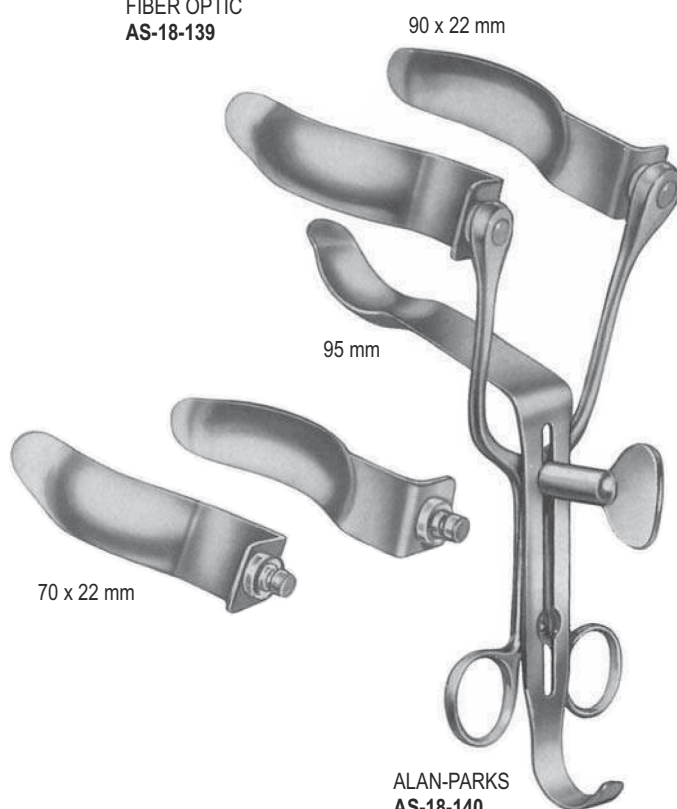
ALAN-PARKS
AS-18-138
150 mm



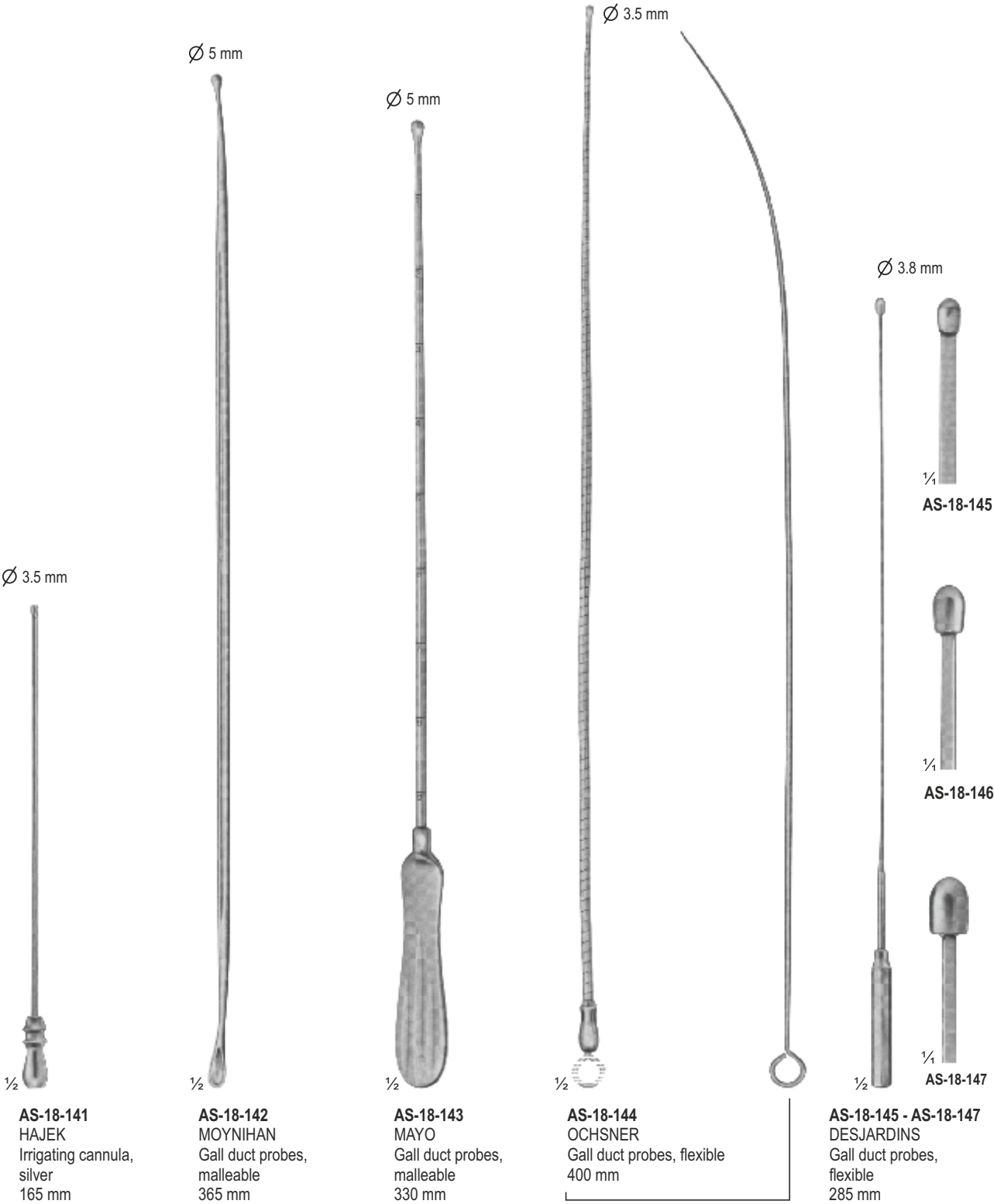
70 x 22 mm

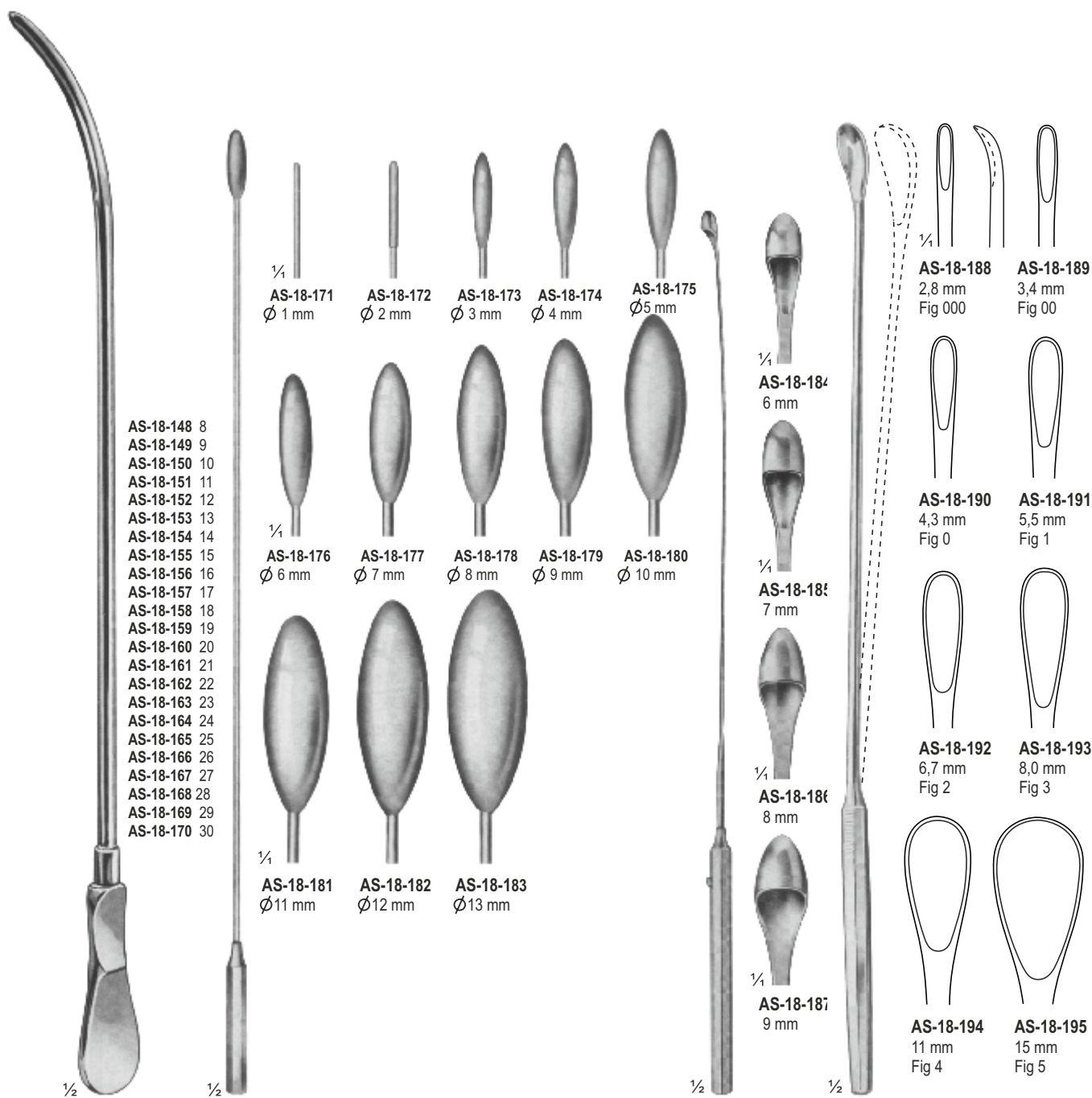


FIBER OPTIC
AS-18-139



ALAN-PARKS
AS-18-140
150 mm





AS-18-148 - AS-18-170
DITTEL
Metall bougies and
dilating sounds, stiff
345 mm

AS-18-171 - AS-18-183
BAKES
Common bile duct
dilators, malleable
315 mm, 320 mm

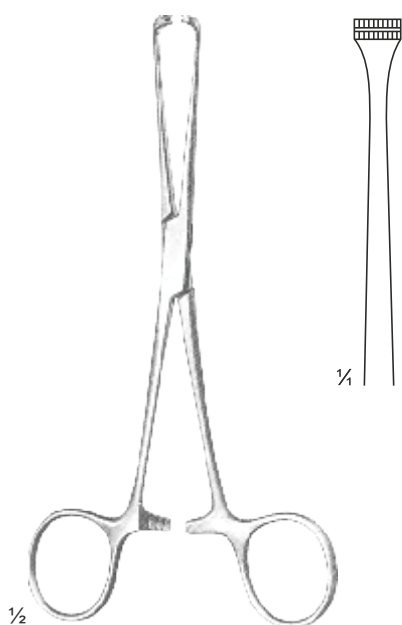
AS-18-184 - AS-18-187
DESJARDINS
Probes and catch
with flexible shaft
300 mm

AS-18-188 - AS-18-195
LUER-KORTE modif
with malleable shaft
310 mm

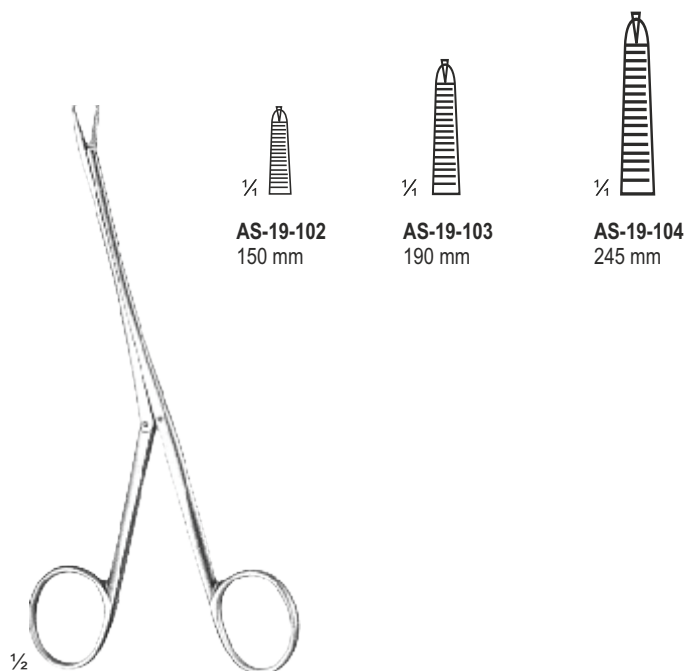


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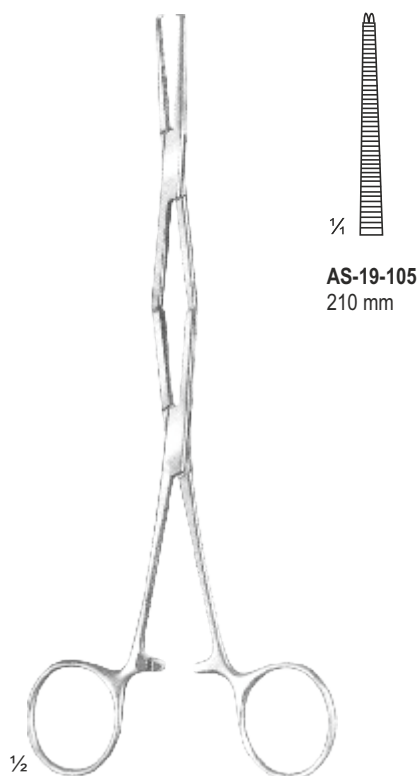
- Mallets
- Tempers, Chisels, Gouges
- Bone Holding Forceps
- Rongeurs
- Bone Cutting Forceps
- Meniscus Instruments
- Wire Extension
- Hand Drills, Awls
- Reamers
- Bone Biopsy Instruments
- Finger Nail Instruments



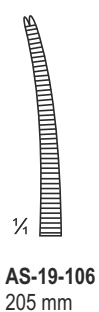
STEINMANN
AS-19-101
160 mm



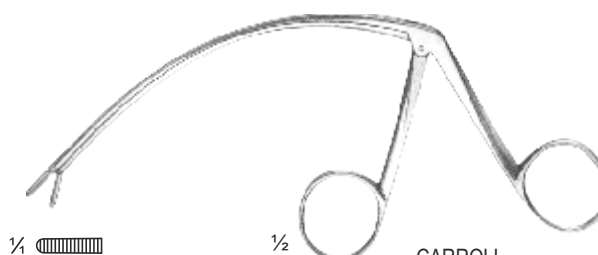
BRAND
AS-19-102 - AS-19-104



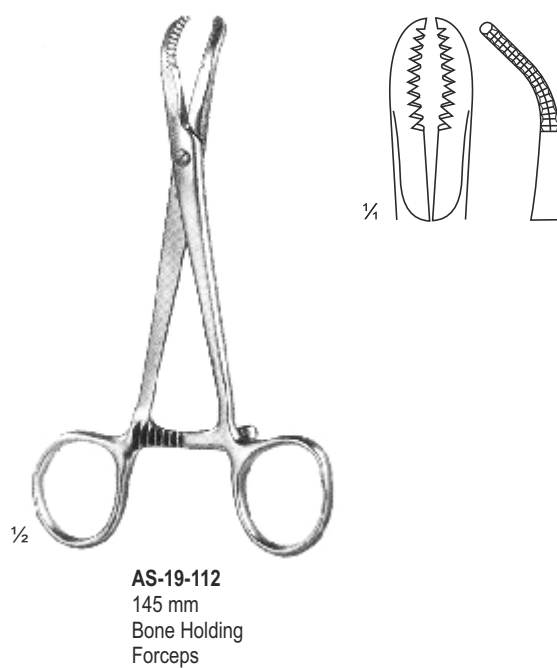
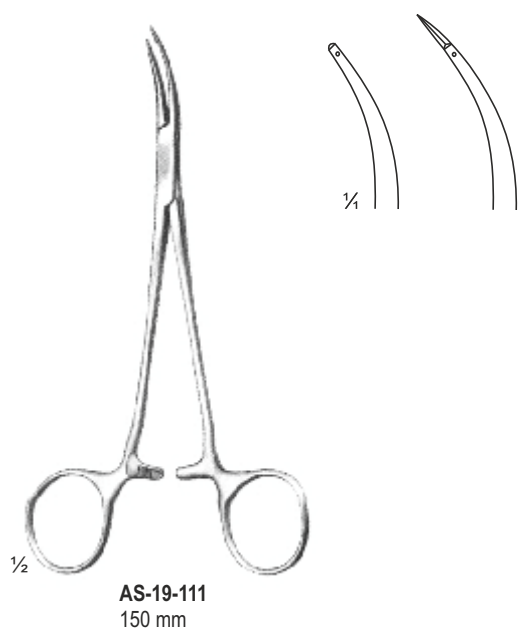
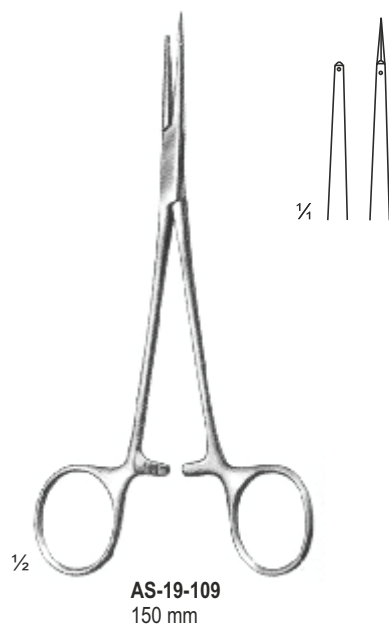
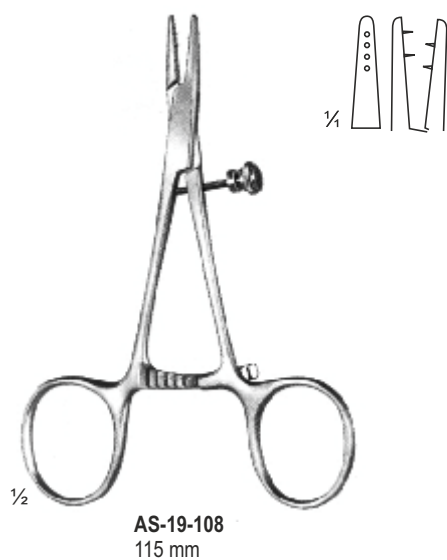
AS-19-105 - AS-19-106

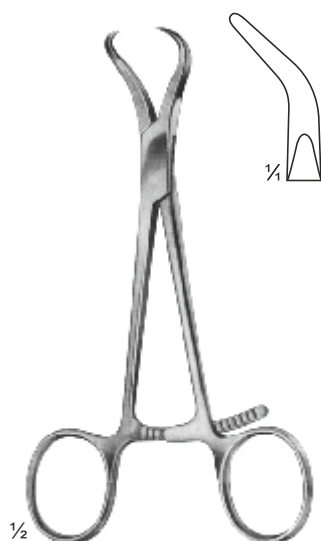


AS-19-106
205 mm

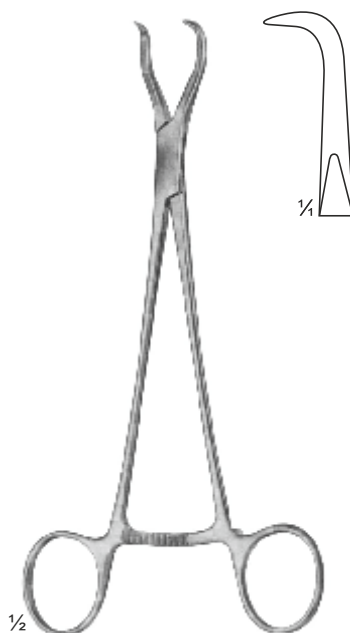


CARROLL
AS-19-107
115 mm

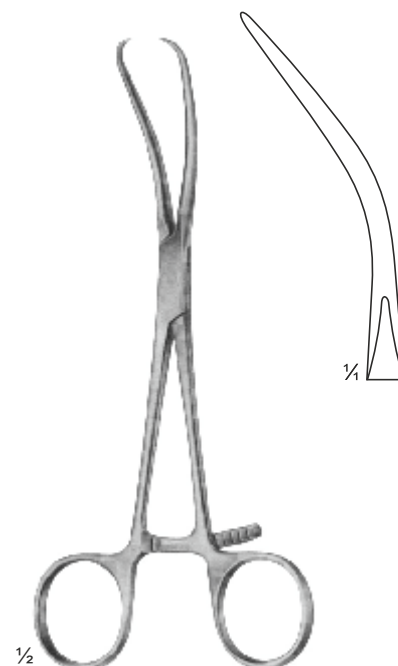




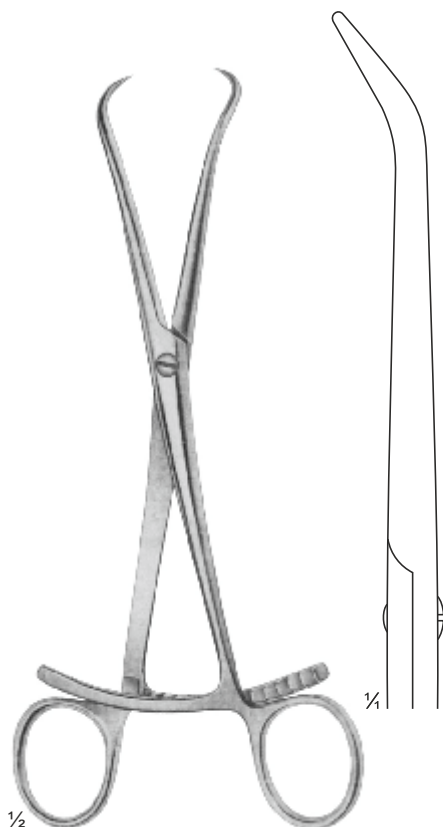
Repositioning forceps,
for small fragments
AS-19-113
135 mm



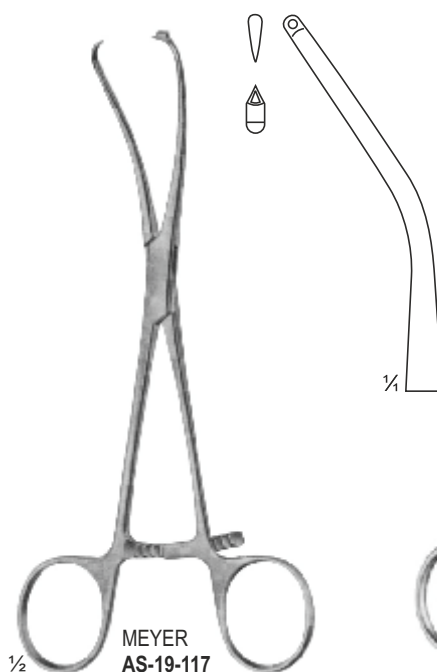
HAASE
Repositioning forceps,
for mandibular
fractures
AS-19-114
165 mm



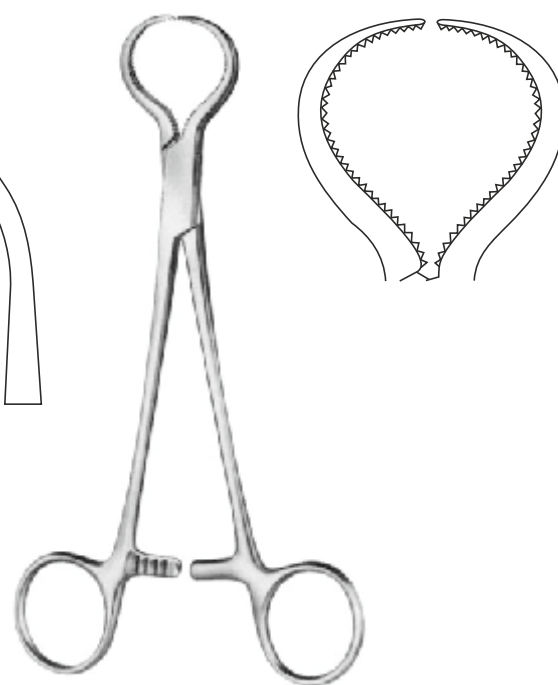
REILL
Repositioning forceps,
AS-19-115
170 mm



Repositioning forceps
AS-19-116
205 mm



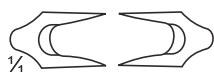
MEYER
AS-19-117
Repositioning forceps
for fingers, with drill
guide for KIRSCHNER
wires up to diam. 1.0 mm



LEWIN
AS-19-118
180 mm



PATELLA FORCEPS
AS-19-119
185 mm



Forceps with
ratchet fixation
AS-19-120
140 mm



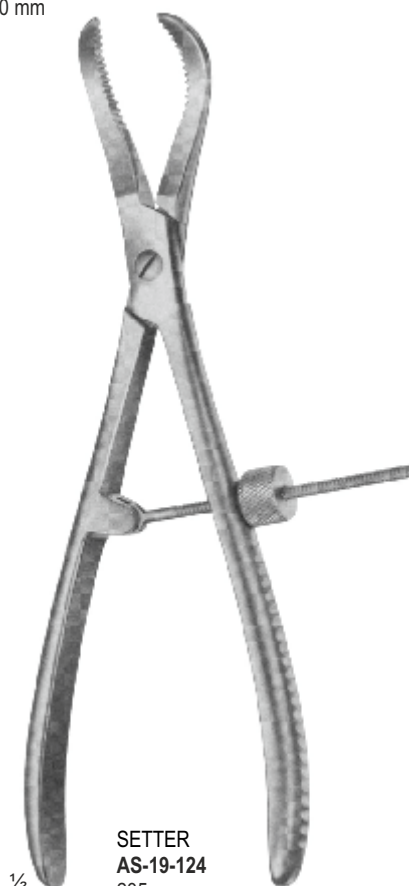
AS-19-121
120 mm



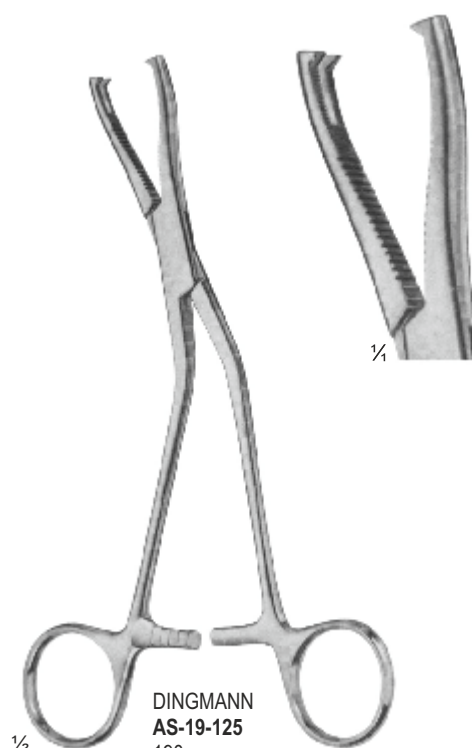
SETTER
AS-19-122
135 mm



SETTER
AS-19-123
170 mm

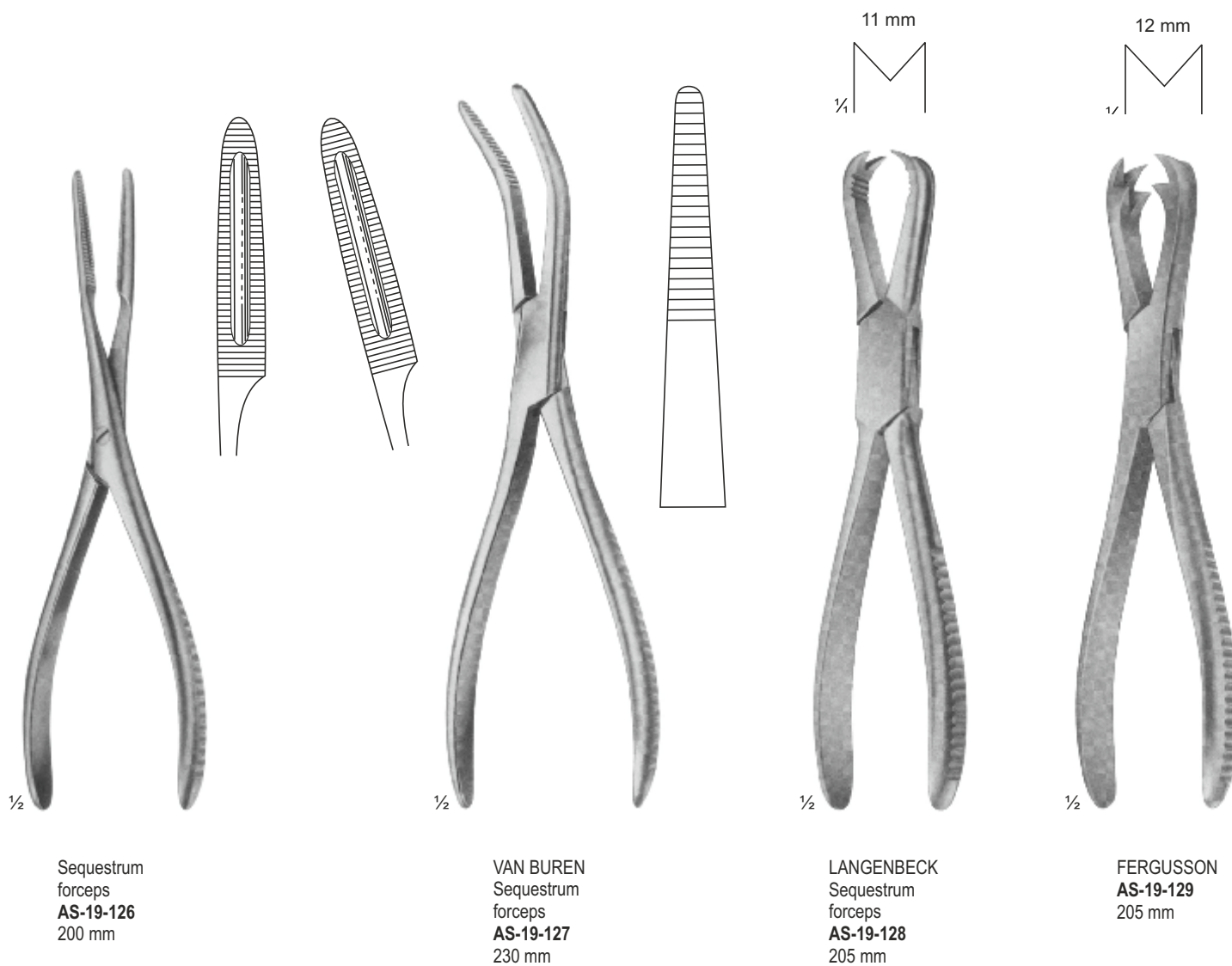


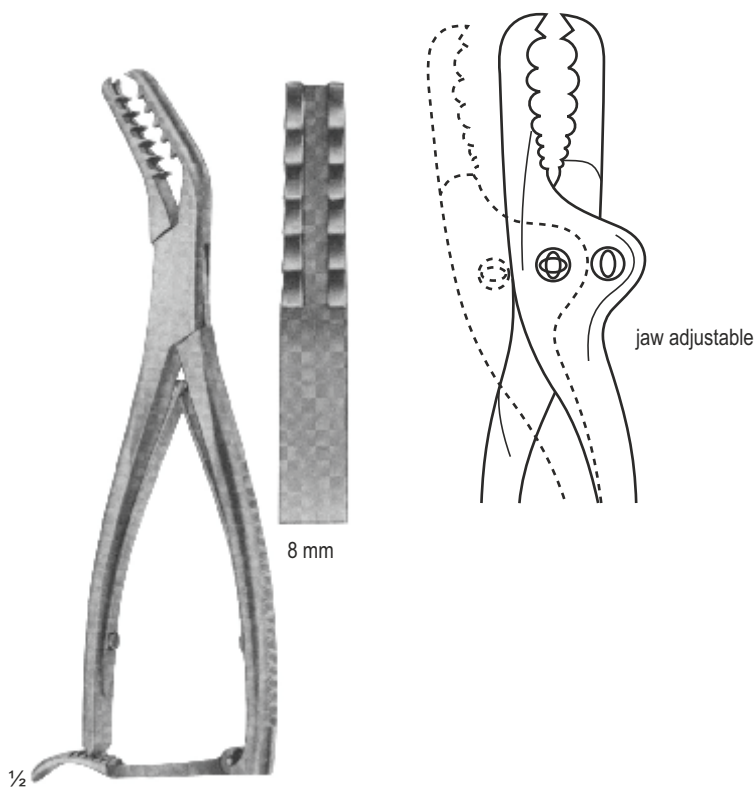
SETTER
AS-19-124
235 mm



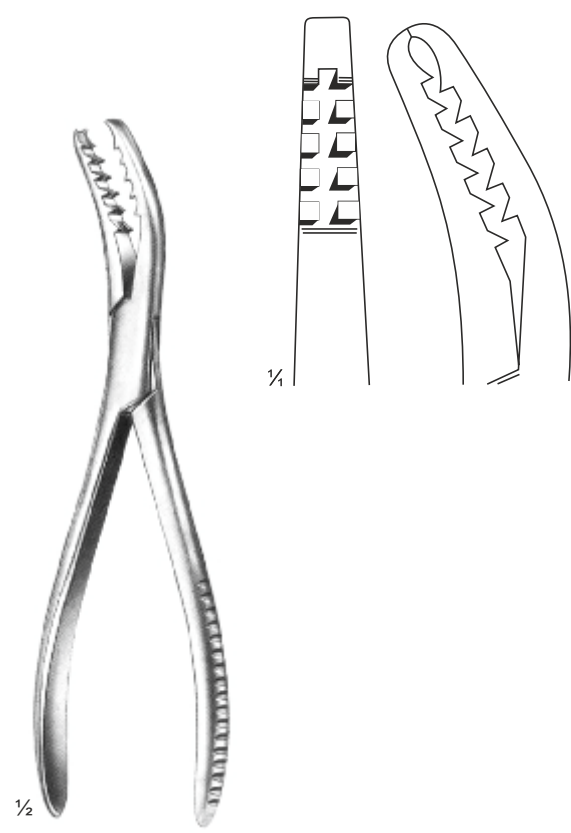
DINGMANN
AS-19-125
190 mm



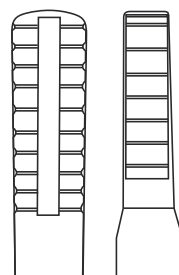
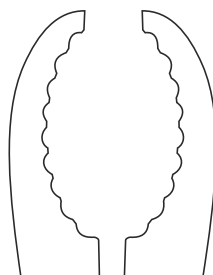
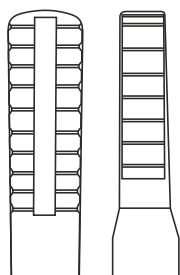
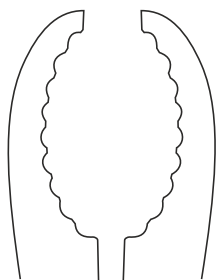




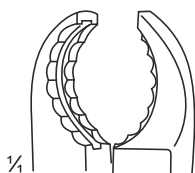
SEMB
AS-19-130
190 mm



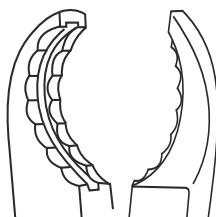
SEMB
AS-19-131
195 mm



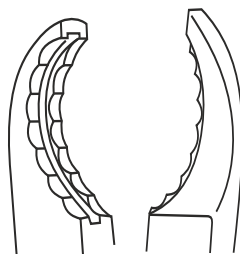
ULRICH
AS-19-132 - AS-19-134
With thread Fixation



AS-19-132
230 mm



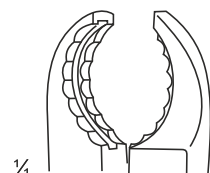
AS-19-133
250 mm



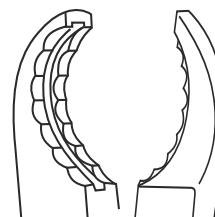
AS-19-134
280 mm



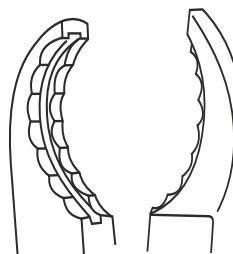
ULRICH
AS-19-135 - AS-19-137
With thread Fixation



AS-19-135
230 mm



AS-19-136
250 mm



AS-19-137
270 mm



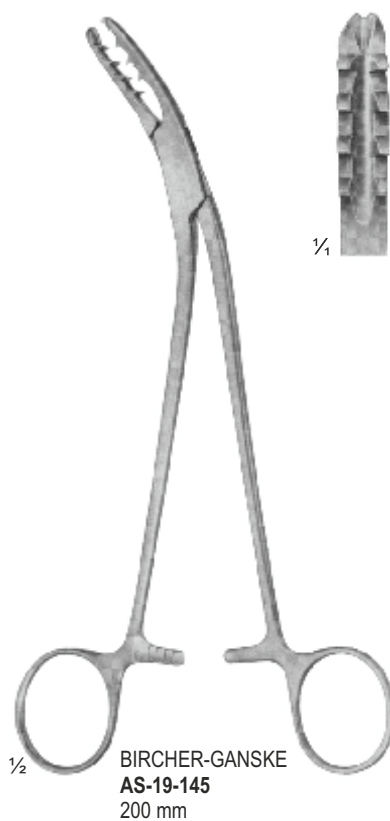
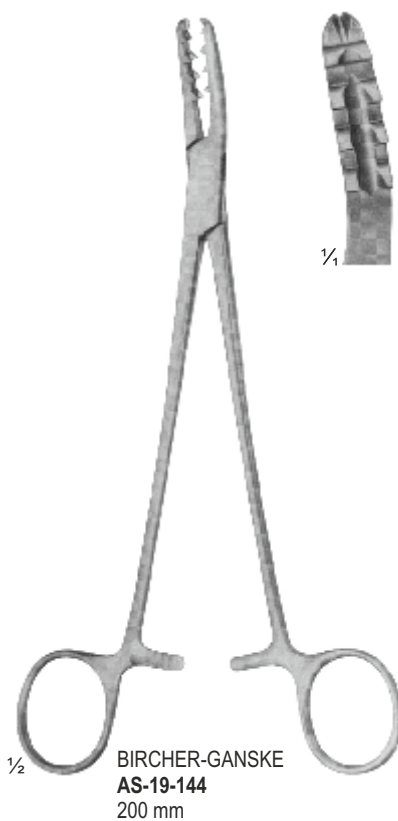
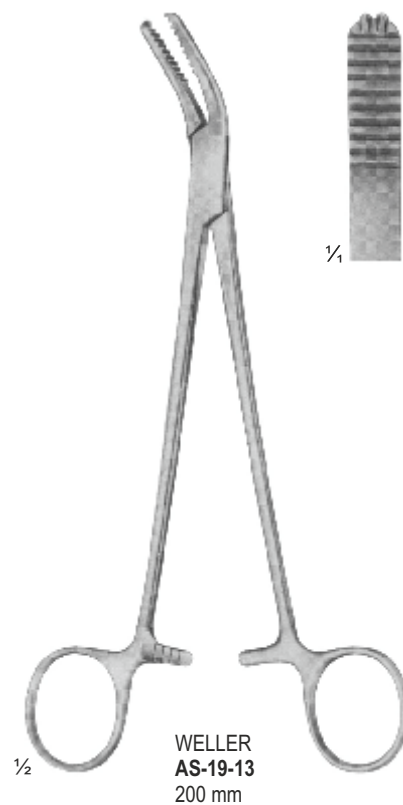
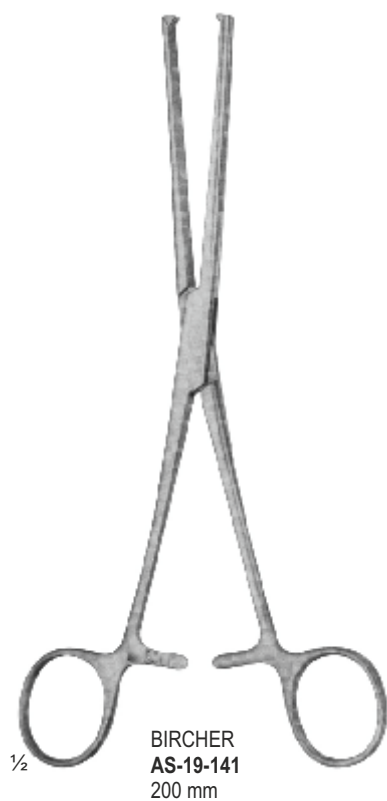
FARABEUF
AS-19-138
230 mm



FARABEUF
AS-19-139
255 mm



FARABEUF-LAMBOTTE
AS-19-140
255 mm





Ø 20 mm

1/2

AS-19-147
MEAD
185 g
with interchangeable
plastic disks
190 mm
pair of spare disks



1/2

AS-19-148
140 g
with interchangeable
plastic disks
185 mm
AS-19-149
pair of spare disks



Ø 25 mm

1/2

AS-19-150
COTTLE
140 g
1 Seite convex
1 Side convex
185 mm



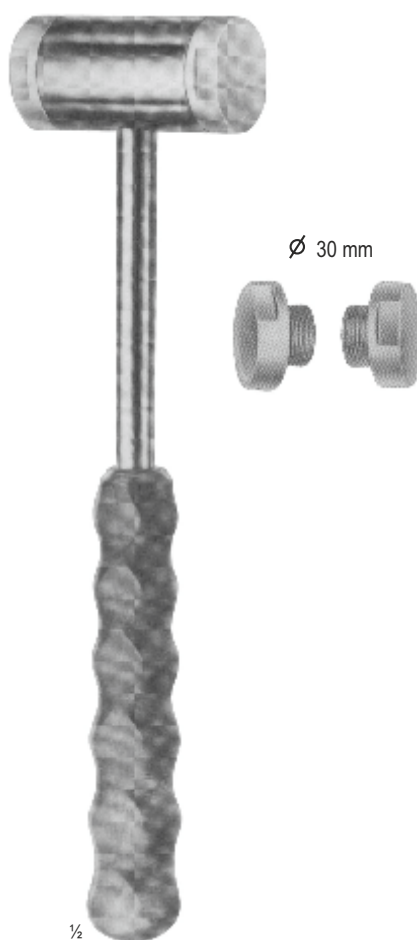
Ø 22 mm

1/2

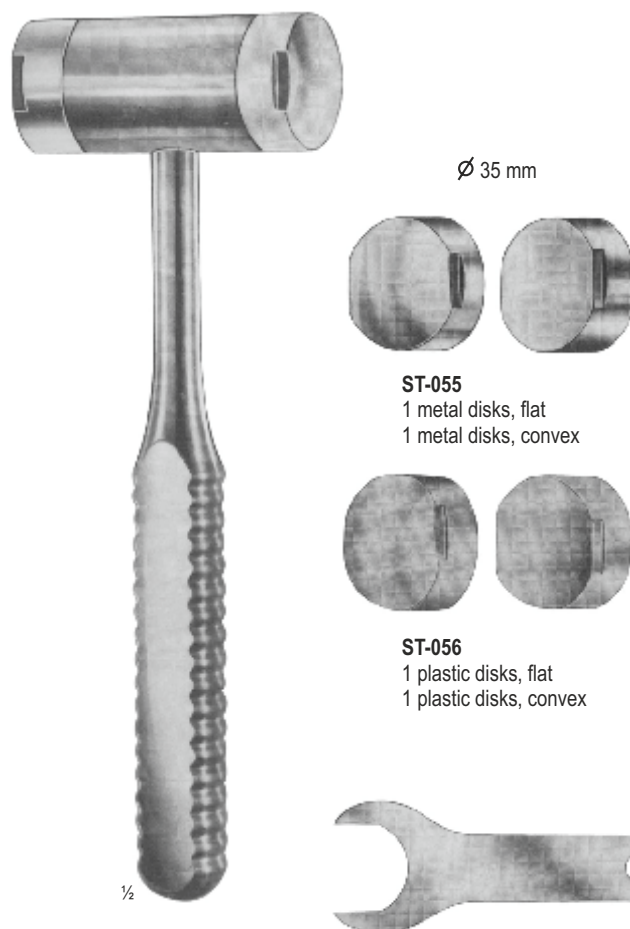
AS-19-151
165 g
lead filled head
190 mm



HAJEK
140 g
AS-19-152
215 mm



ST-053
215 g
with interchangeable
plastic disks
245 mm
ST-054
pair of spare disks



WAGNER
complete with:
1 pair of metal disks and
1 pair of plastic disks and
1 wrench 566
ST-055 - ST-057
235 mm



Wrench
ST-057

Mallet without disks 130 g



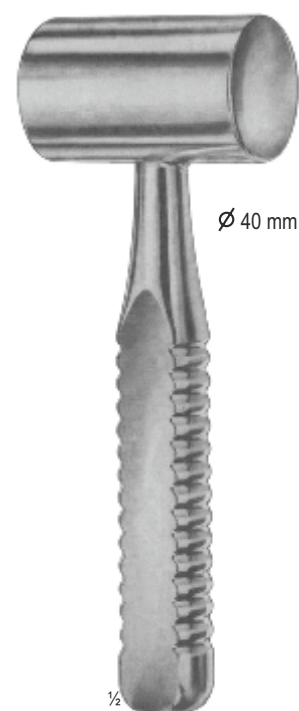
BERGMANN
AS-19-158
245 mm



BERGMANN
AS-19-159
235 mm



OMBREDANNE
AS-19-160
240 mm



HEATH
copper filled head
700 g
AS-19-161
185 mm



WILLIGER
AS-19-162 - AS-19-164
Lead Filled

AS-19-162	
Weight	Head
275 g	Ø 26 mm
AS-19-163	
Weight	Head
320 g	Ø 28 mm
AS-19-164	
Weight	Head
340 g	Ø 30 mm



DOYEN
AS-19-165 - AS-19-167

AS-19-165	
Weight	Head
120 g	Ø 25 mm
AS-19-166	
Weight	Head
180 g	Ø 30 mm
AS-19-167	
Weight	Head
260 g	Ø 35 mm



1/2

PARTSCH
AS-19-168
With Hollow Handle
190 mm

Weight	Head
175 g	Ø27 mm



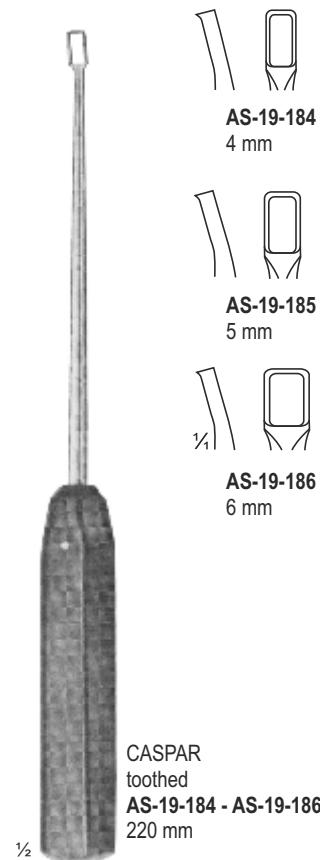
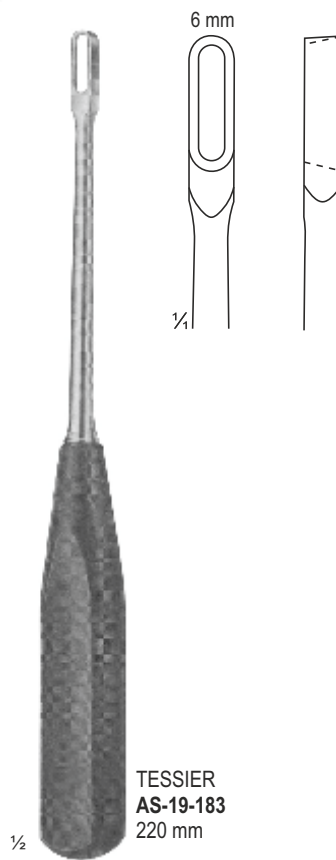
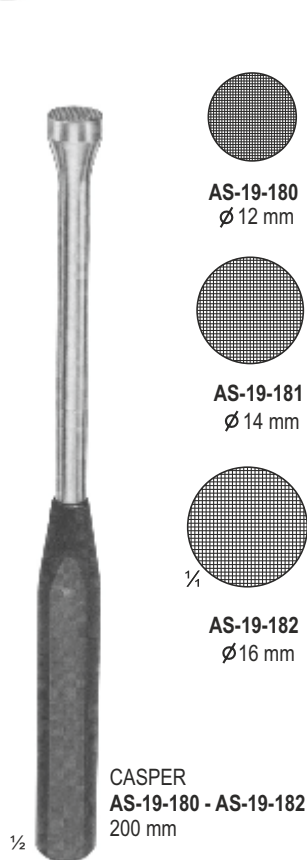
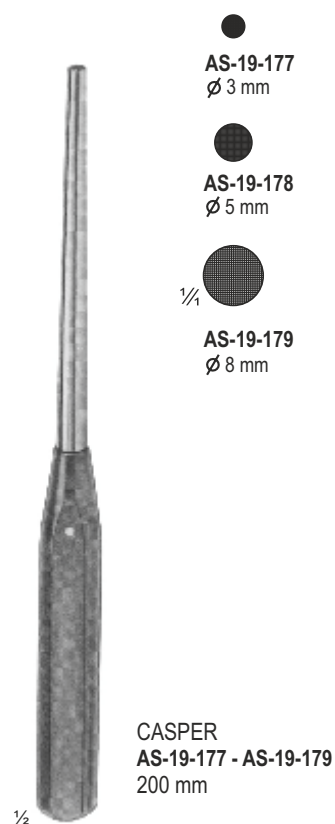
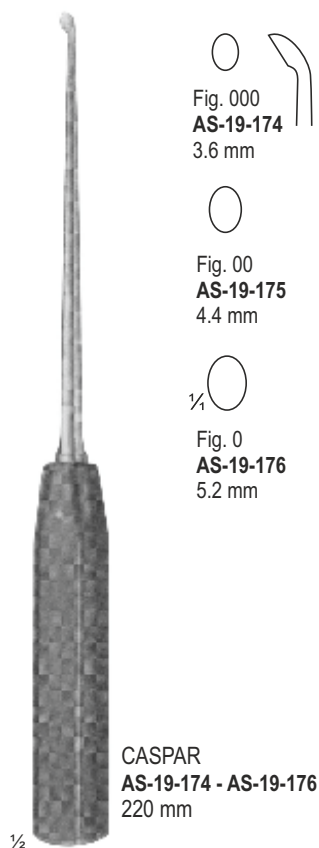
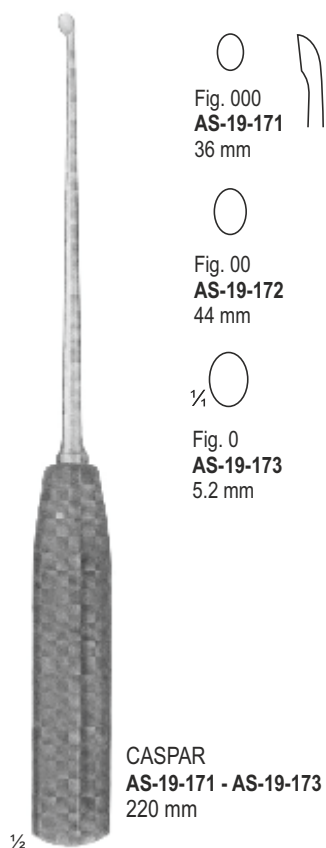
VIKERS
AS-19-169
190 mm

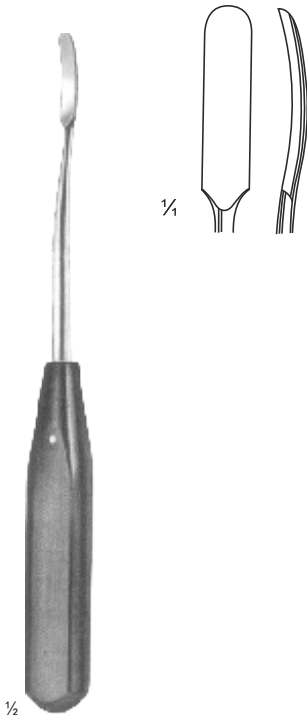
Weight	Head
185 g	Ø25 mm



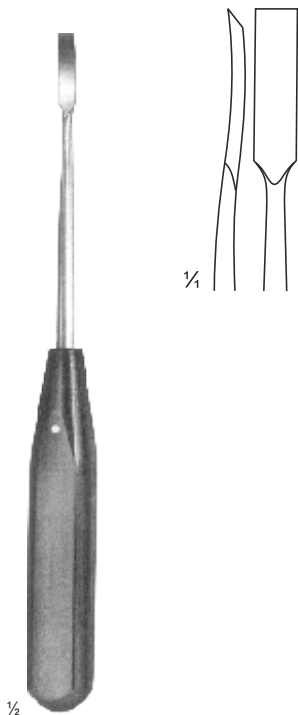
HERBERT
AS-19-170
For Ulna Head Prosthesis
190 mm

Weight	Head
215 g	Ø25 mm

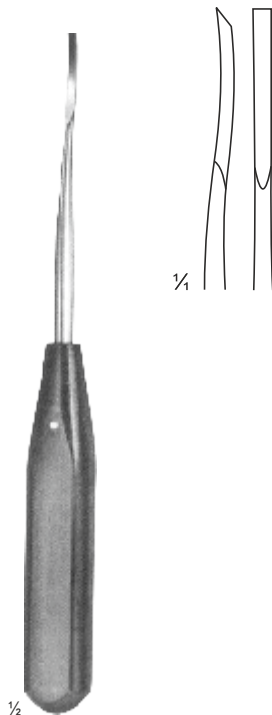




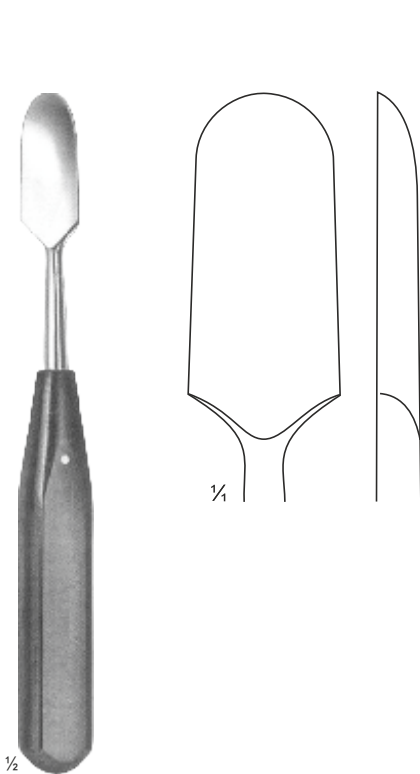
AS-19-187
180 mm
6 mm



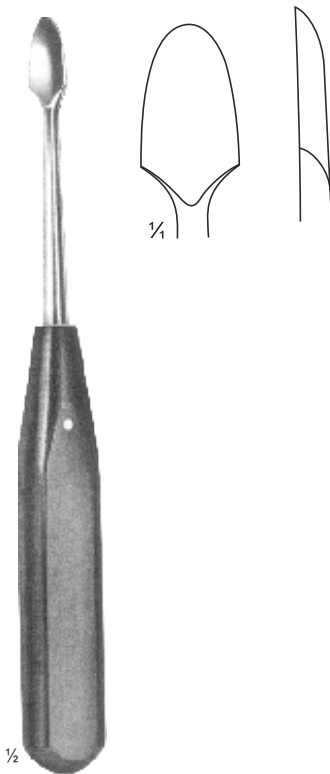
AS-19-188
180 mm
6 mm



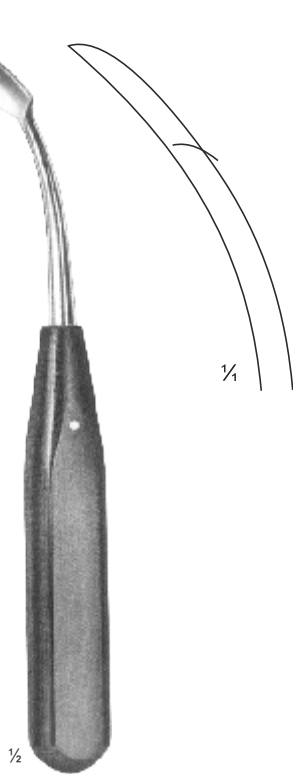
AS-19-189
180 mm
3 mm



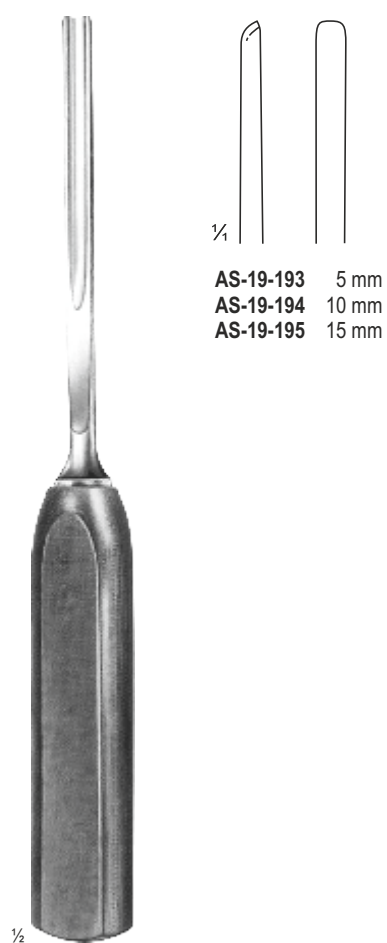
AS-19-190
180 mm
20 mm



AS-19-191
200 mm
14 mm

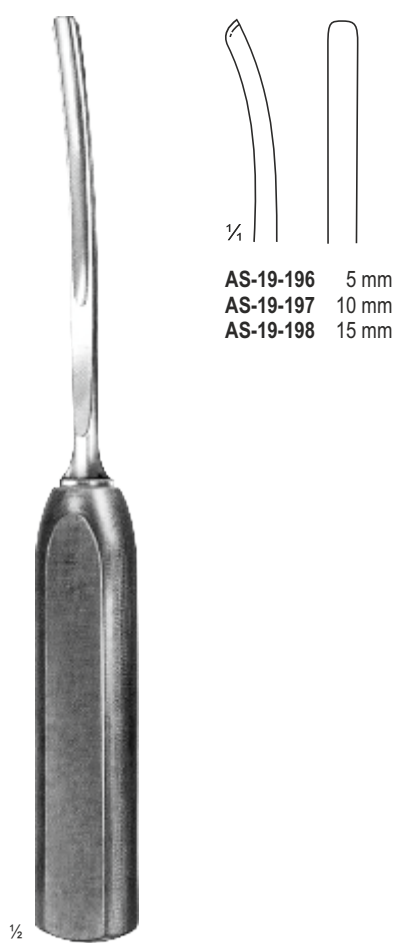


AS-19-192
190 mm
14 mm



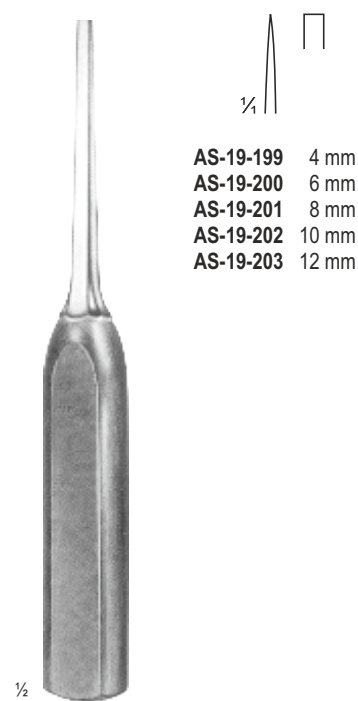
AS-19-193 5 mm
AS-19-194 10 mm
AS-19-195 15 mm

LEXER
AS-19-193 - AS-19-195
245 mm



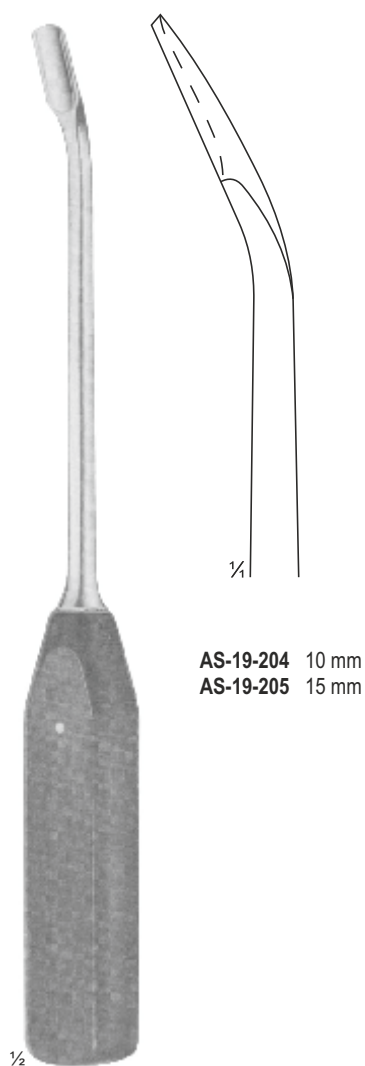
AS-19-196 5 mm
AS-19-197 10 mm
AS-19-198 15 mm

LEXER
AS-19-196 - AS-19-198
245 mm



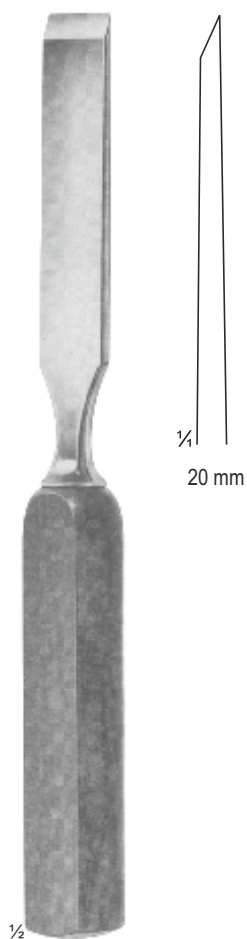
AS-19-199 4 mm
AS-19-200 6 mm
AS-19-201 8 mm
AS-19-202 10 mm
AS-19-203 12 mm

LEXER-MINI
AS-19-199 - AS-19-203
180 mm

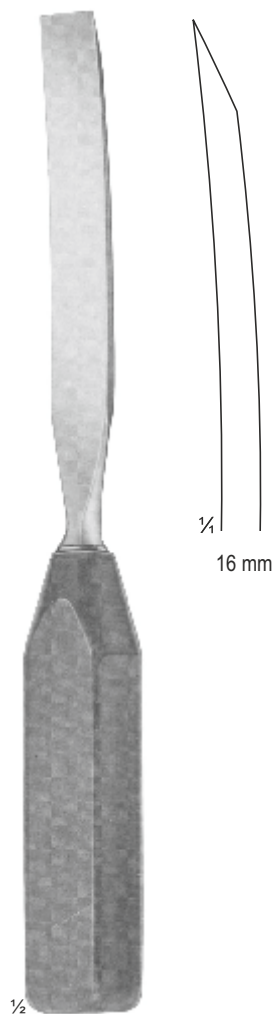


AS-19-204 10 mm
AS-19-205 15 mm

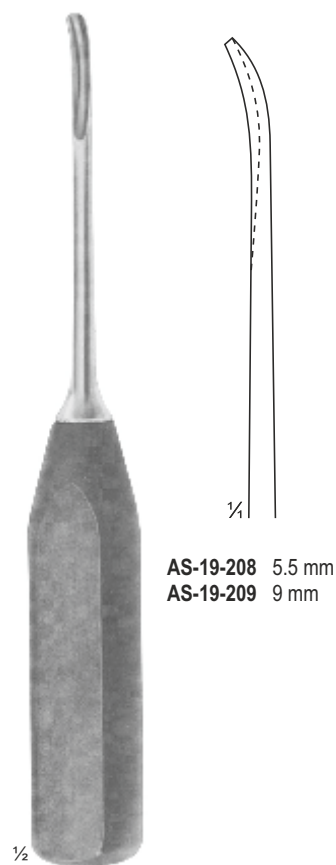
LEXER
AS-19-204 - AS-19-205
Gouges,
angled
275 mm



Chisel
AS-19-206
245 mm



Chisel
curved
AS-19-207
265 mm

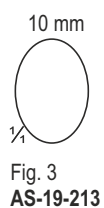
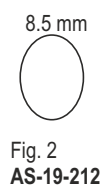
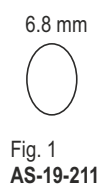
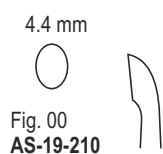


AS-19-208 5.5 mm
AS-19-209 9 mm

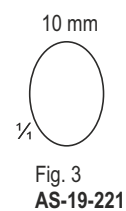
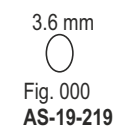
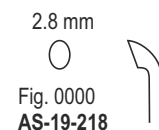
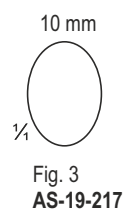
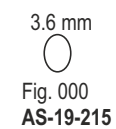
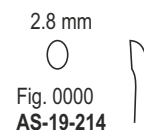
ZIELKE
AS-19-208 - AS-19-209
Gouge for
scoliose-operations
230 mm



AS-19-210 - AS-19-213
270 mm

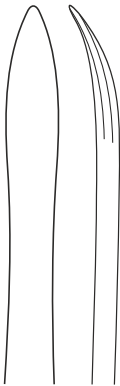


SYPERT
AS-19-214 - AS-19-221
380 mm





LANGENBECK
AS-19-222 - AS-19-223



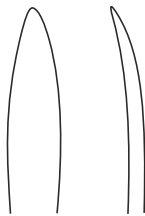
AS-19-222
200 mm



AS-19-223
200 mm



QUERVAIN
AS-19-224
200 mm



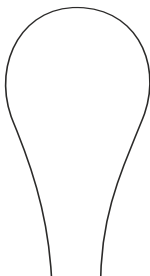
COBB
AS-19-225 - AS-19-227



AS-19-225
28 cm



AS-19-226
280 mm



AS-19-227
280 mm



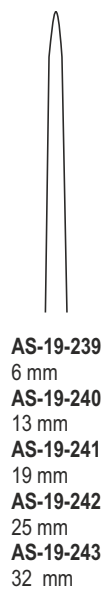
AS-19-228 - AS-19-233
AS-19-228 170 mm
AS-19-229 170 mm
AS-19-230 170 mm
AS-19-231 170 mm
AS-19-232 190 mm
AS-19-233 190 mm



HOKE
AS-19-234 - AS-19-238
170 mm



HIBBS
AS-19-239 - AS-19-243
245 mm



HIBBS
AS-19-244 - AS-19-248
245 mm





SMITH-PETERSEN
AS-19-249 - AS-19-255
205 mm



AS-19-249
6 mm
AS-19-250
9 mm
AS-19-251
13 mm
AS-19-252
16 mm
AS-19-253
19 mm
AS-19-254
25 mm
AS-19-255
32 mm



SMITH-PETERSEN
AS-19-256 - AS-19-262
205 mm



AS-19-256
6 mm
AS-19-257
9 mm
AS-19-258
13 mm
AS-19-259
16 mm
AS-19-260
19 mm
AS-19-261
25 mm
AS-19-262
32 mm



SMITH-PETERSEN
AS-19-263 - AS-19-266
205 mm



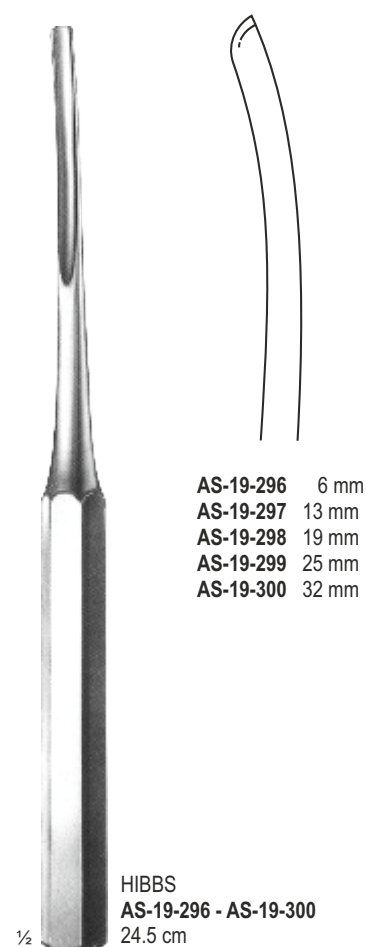
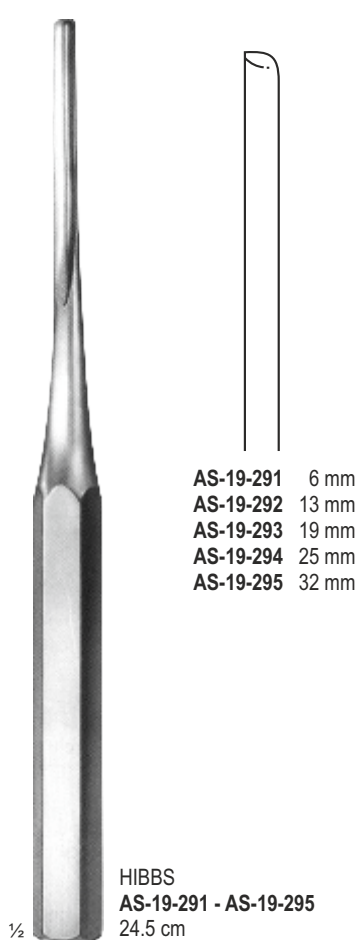
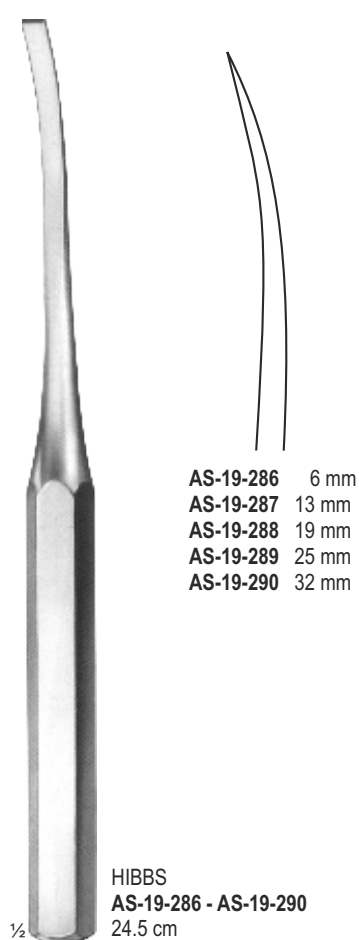
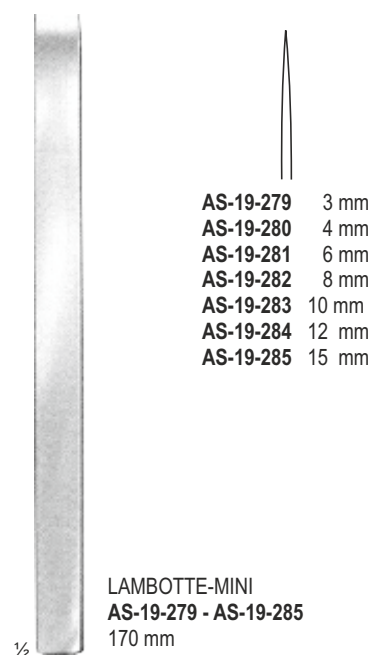
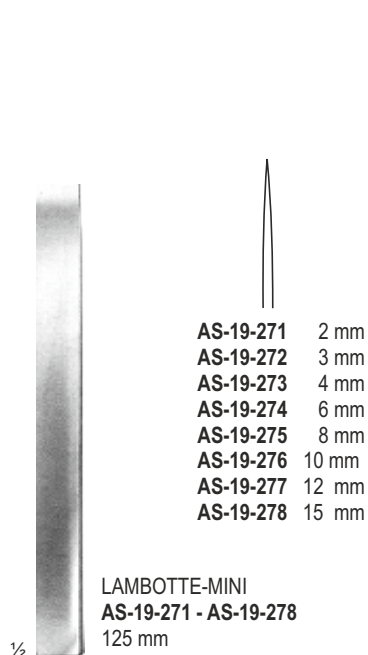
AS-19-263
9 mm
AS-19-264
14 mm
AS-19-265
19 mm
AS-19-266
25 mm



SMITH-PETERSEN
AS-19-267 - AS-19-270
205 mm

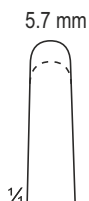


AS-19-267
9 mm
AS-19-268
14 mm
AS-19-269
19 mm
AS-19-270
25 mm

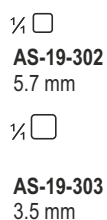




Haase
AS-19-301
100 mm



PASSOW
AS-19-302 - AS-19-303
120 mm



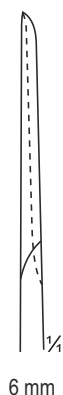
FREER
Chisel
AS-19-304
160 mm



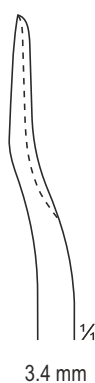
FREER
Chisel, curved
AS-19-305
160 mm



FREER
Gouge
AS-19-306
150 mm



Scaphoid gouge,
downwards curved
AS-19-307
135 mm

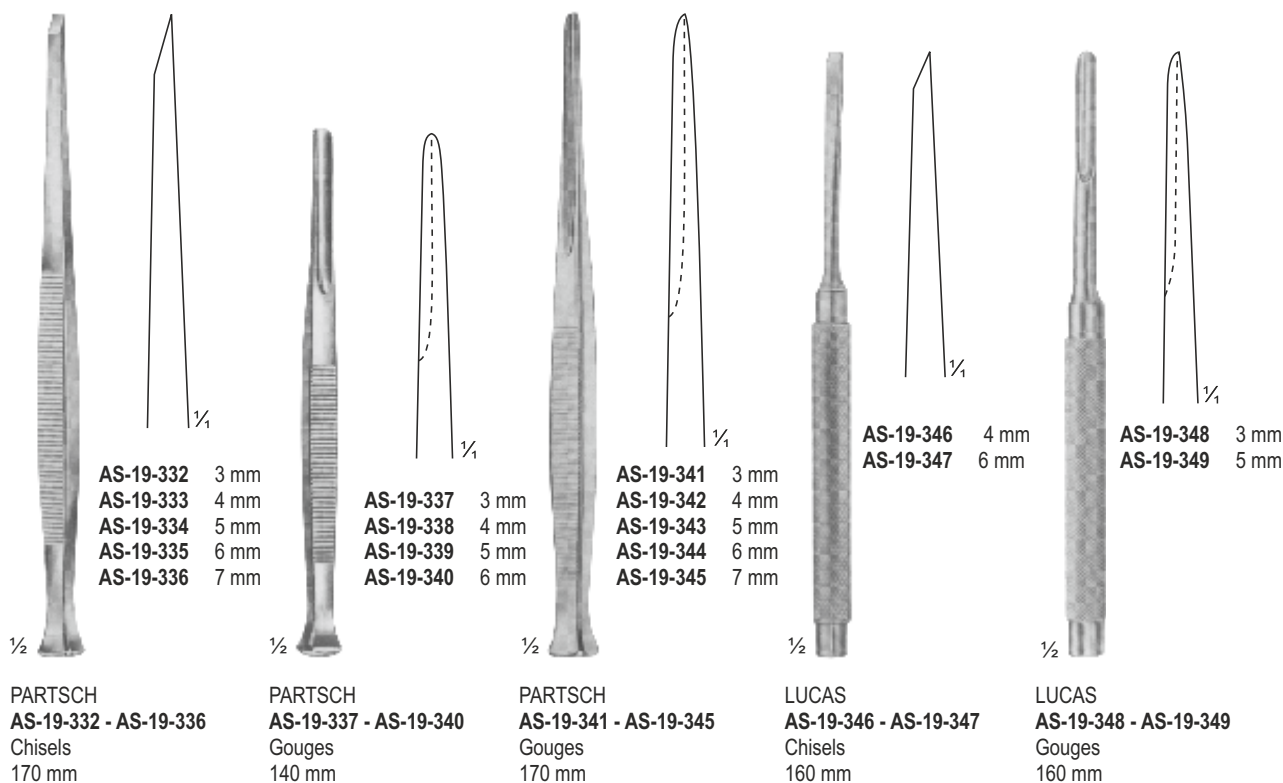
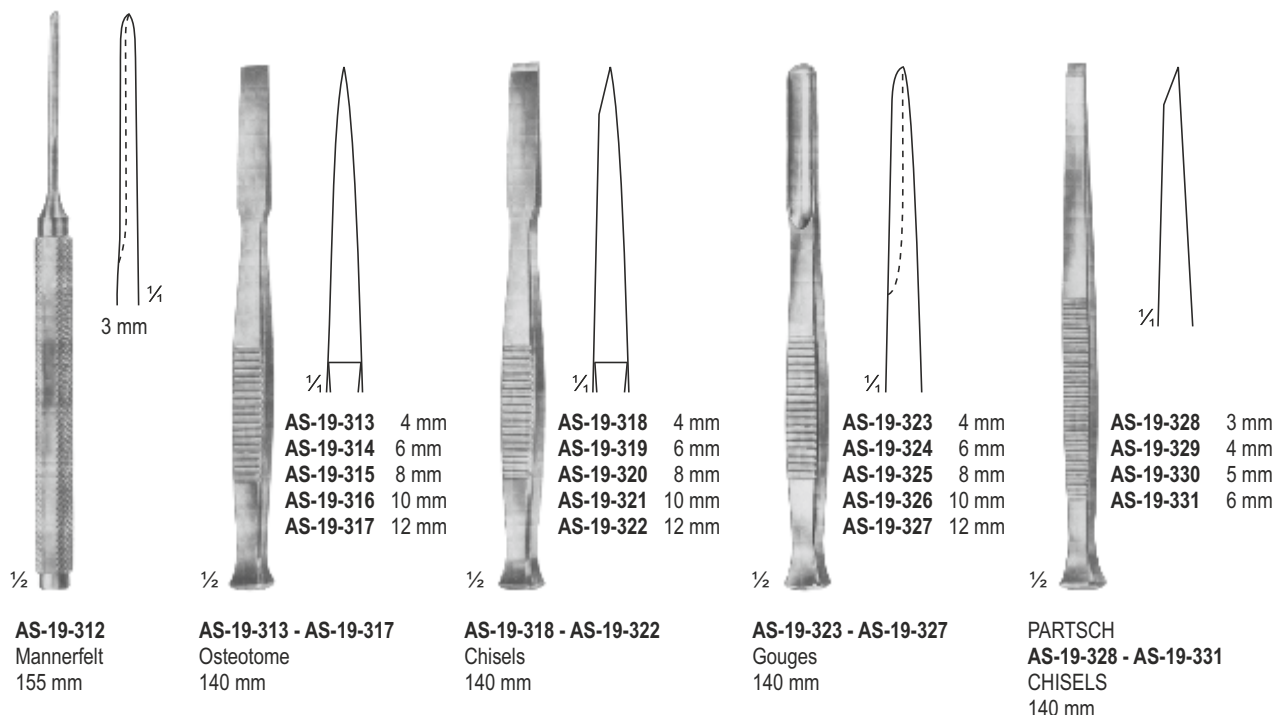


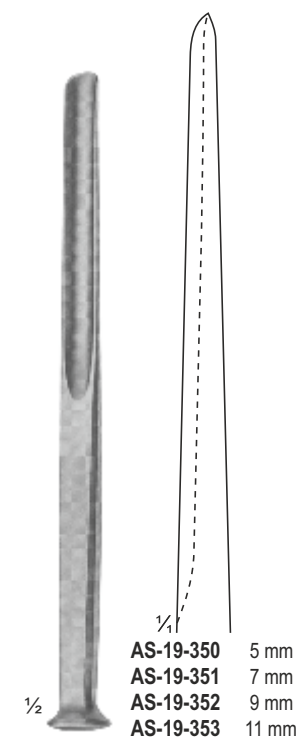
Scaphoid gouge,
upwards curved
AS-19-308
135 mm



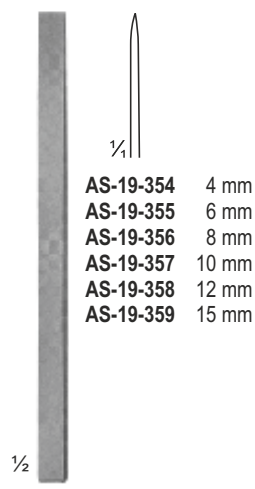
Mannerfelt
AS-19-309 - AS-19-311
AS-19-309 4 mm
AS-19-310 6 mm
AS-19-311 8 mm
155 mm



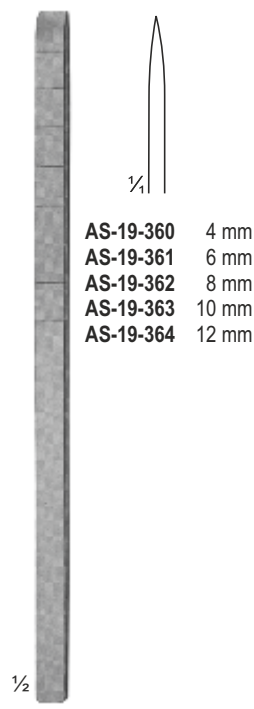




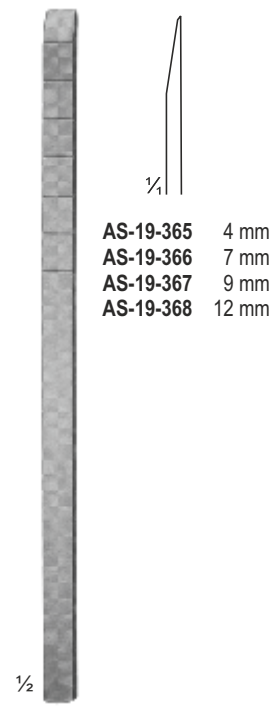
ALEXANDER
AS-19-350 - AS-19-353
Gouges
170 mm



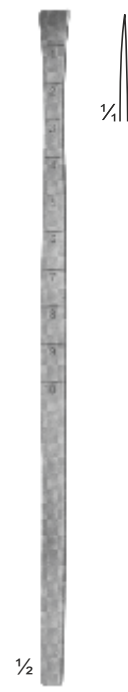
LAMBOTTE
AS-19-354 - AS-19-359
Osteotome
125 mm



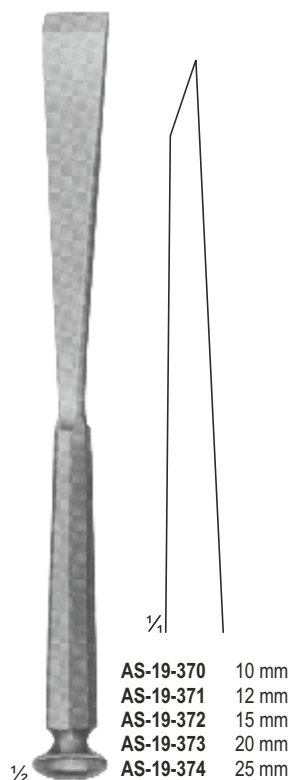
COTTLE
AS-19-360 - AS-19-364
Osteotome with depth
markings
180 mm



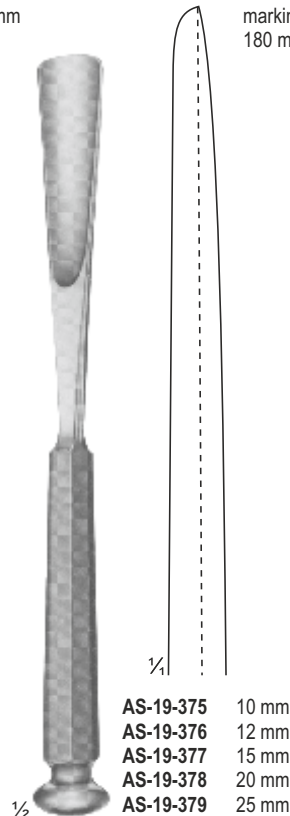
COTTLE
AS-19-365 - AS-19-368
Chisel-Osteotomes
with depth markings
180 mm



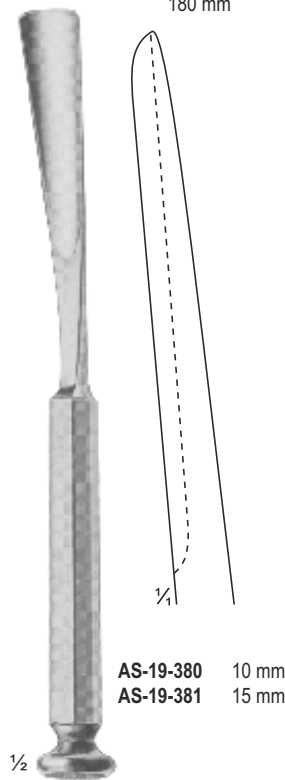
COTTLE
AS-19-369
Fishtail Chisel,
with protected ends
180 mm



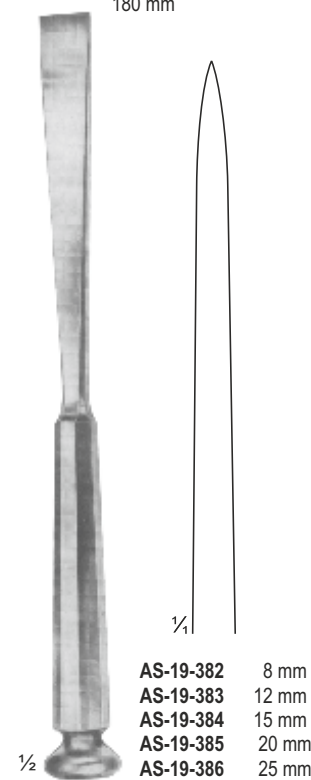
STILLE
AS-19-370 - AS-19-374
Chisels
205 mm



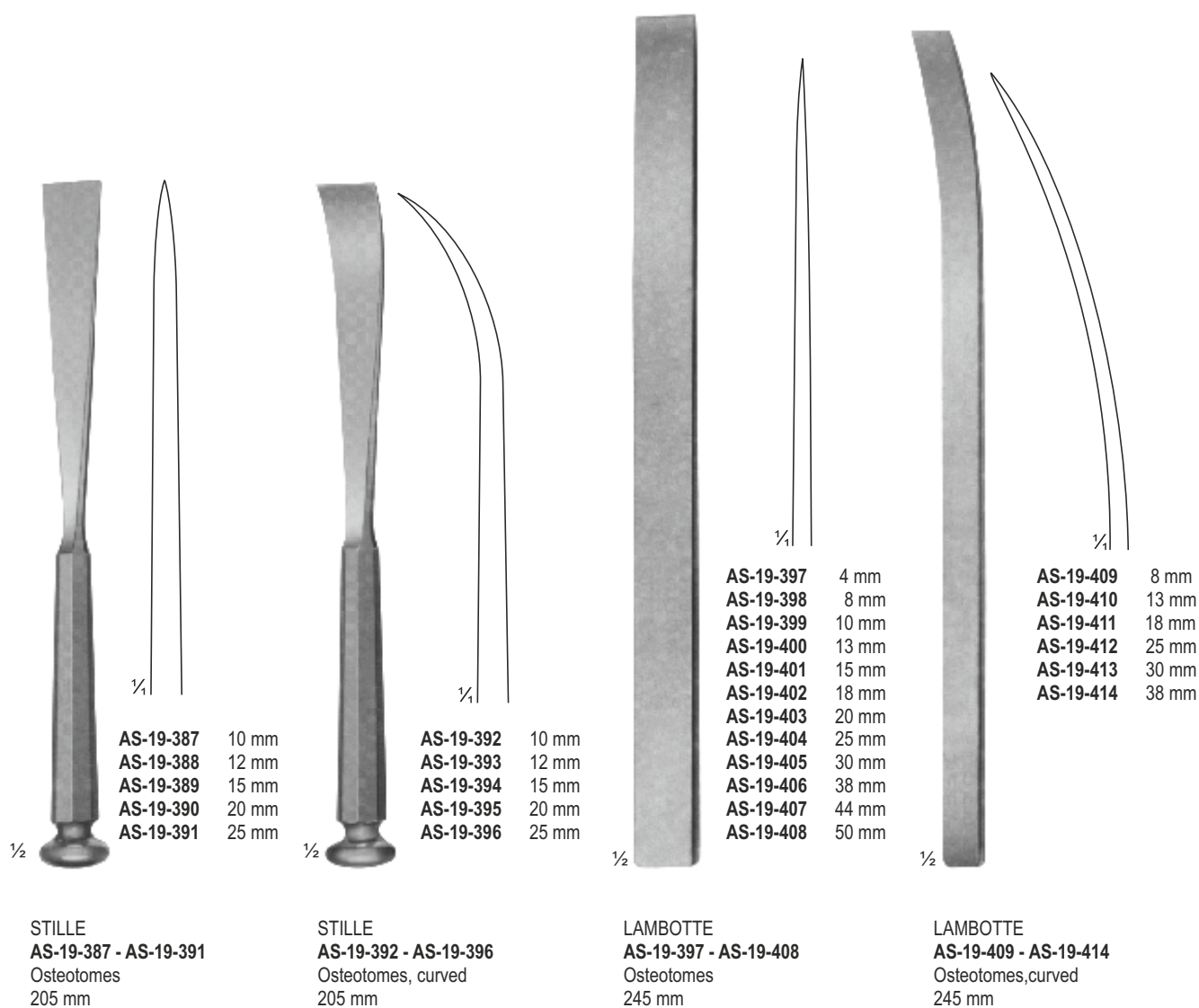
STILLE
AS-19-375 - AS-19-379
Gouges
205 mm

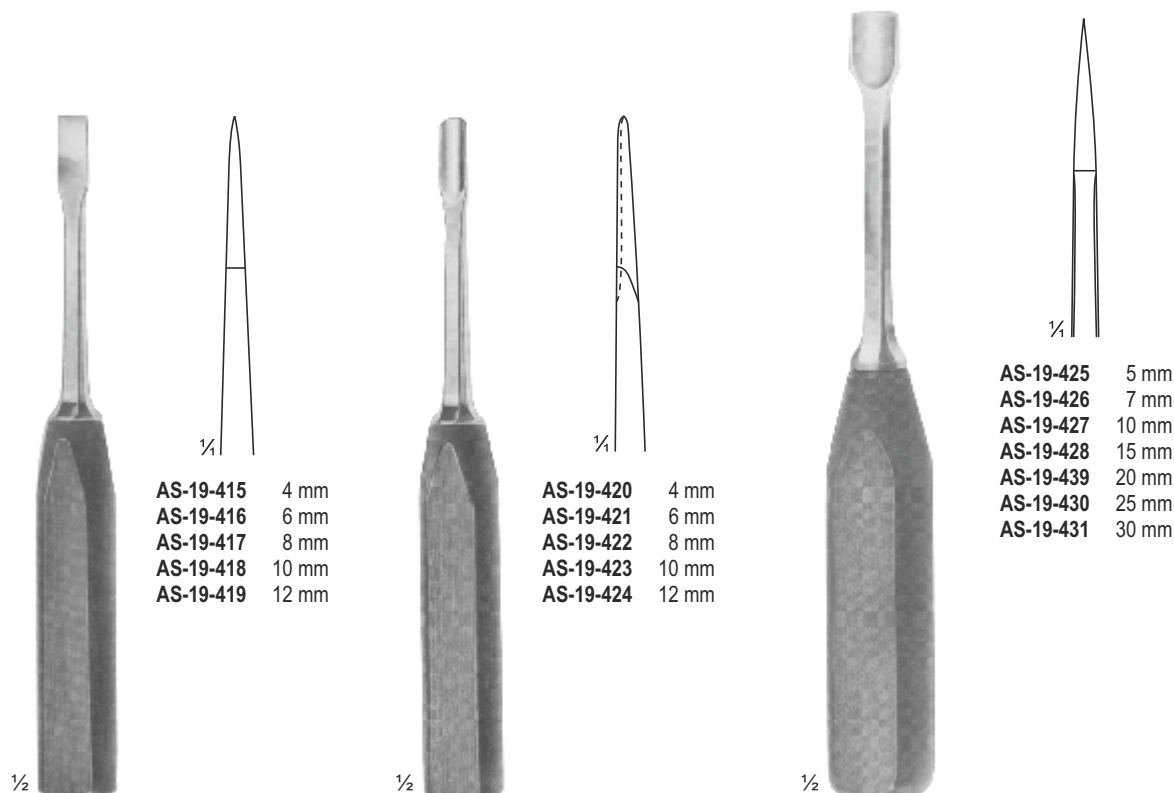


WALTER
AS-19-380 - AS-19-381
Osteotomes
gouges for taking
grafts from the rib
205 mm



STILLE
AS-19-382 - AS-19-386
Osteotomes
205 mm

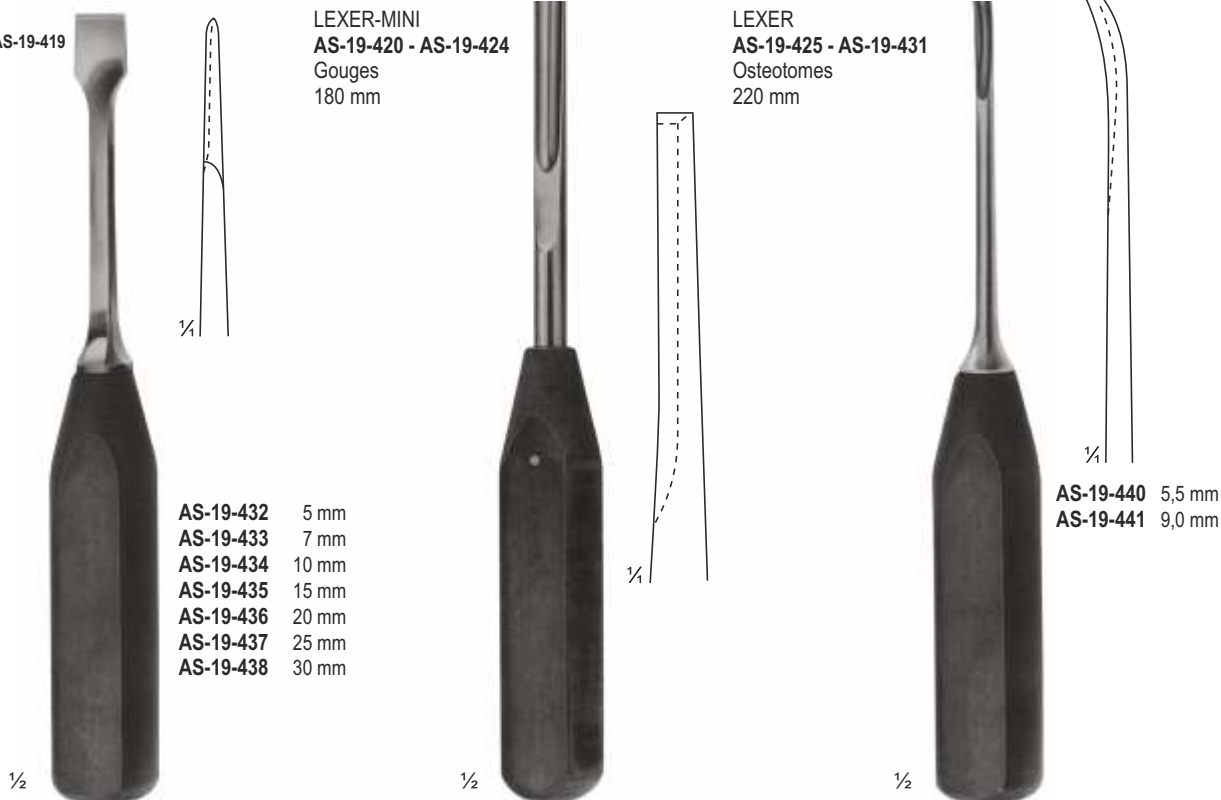




LEXER-MINI
AS-19-415 - AS-19-419
 Osteotomes
 180 mm

LEXER-MINI
AS-19-420 - AS-19-424
 Gouges
 180 mm

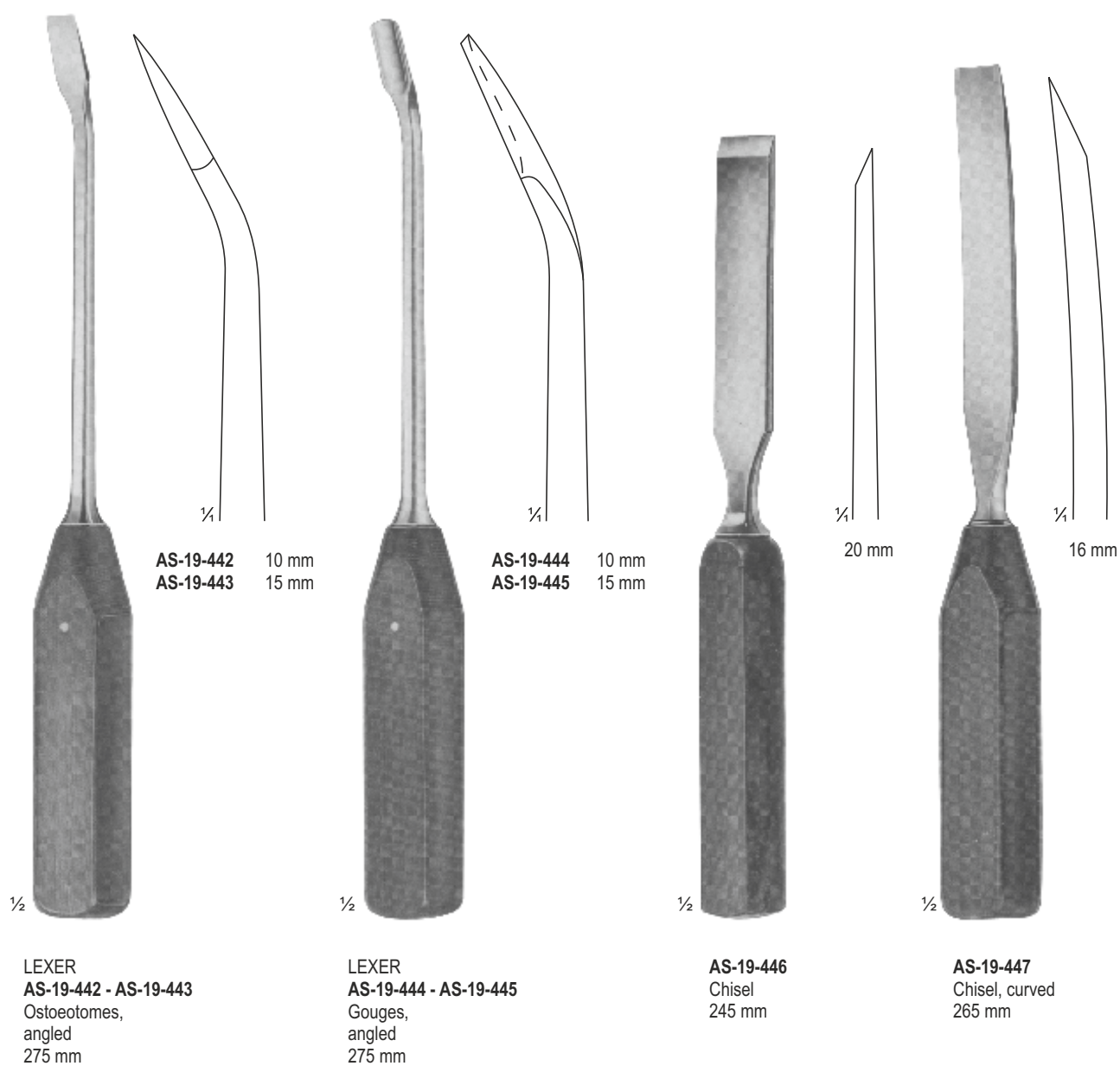
LEXER
AS-19-425 - AS-19-431
 Osteotomes
 220 mm

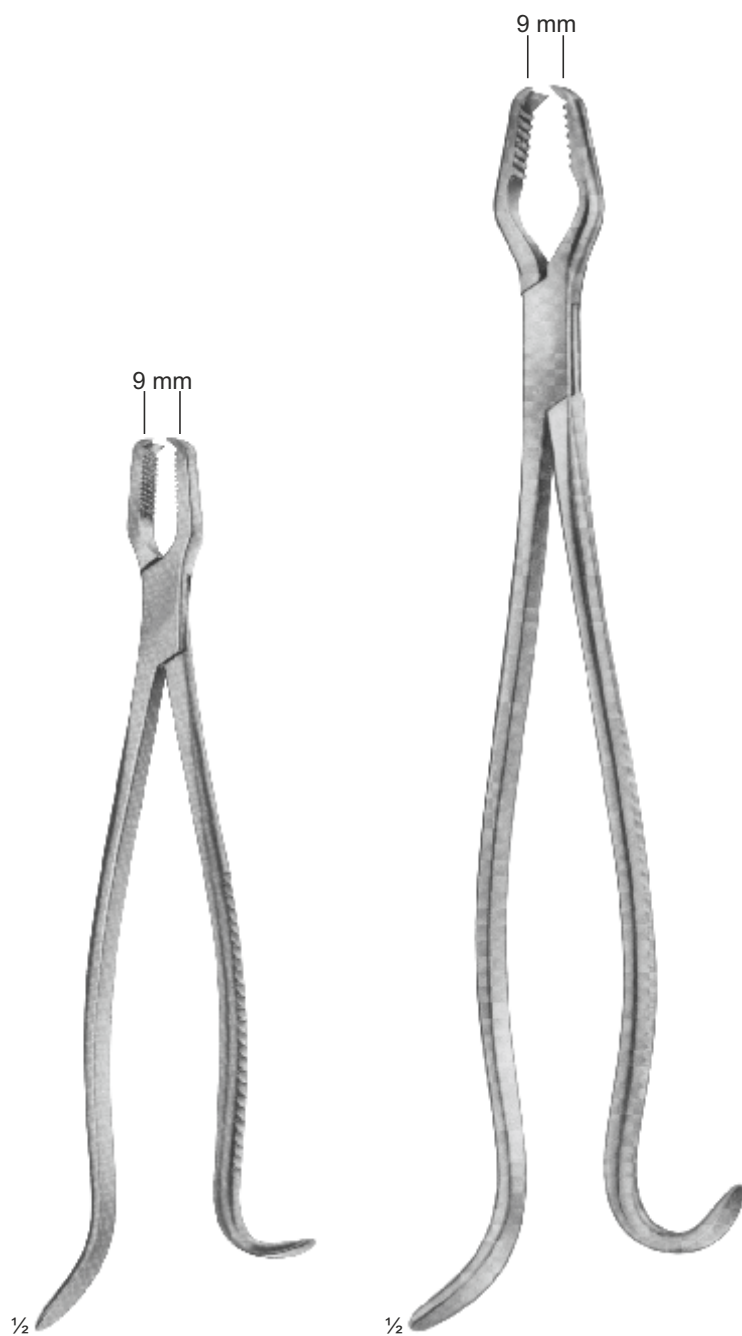


LEXER
AS-19-432 - AS-19-438
 Gouges
 220 mm

LEXER
AS-19-439
 Gouge for
 removing broken
 screws
 220 mm

ZIELKE
AS-19-440 - AS-19-441
 Gouge for
 scoliose-operations
 230 mm





AS-19-448
KERN-LANE
240 mm

AS-19-449
LANE
330 mm



AS-19-450
KERN-LANE
240 mm



AS-19-451 - AS-19-455
AS-19-451 145 mm
AS-19-452 190 mm
AS-19-453 240 mm
AS-19-454 260 mm
AS-19-455 280 mm

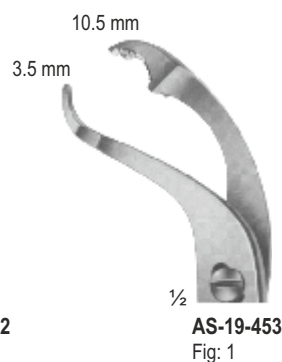


AS-19-451
for small
fragments

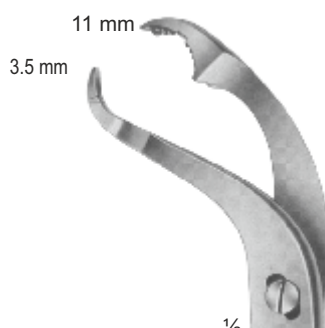
3 mm
2.5 mm



AS-19-452
Fig: 0

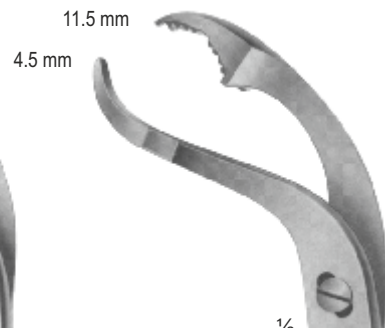


AS-19-453
Fig: 1



AS-19-454
Fig: 2

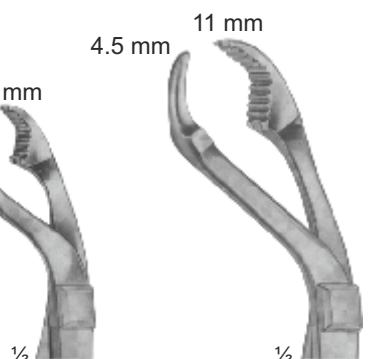
Self-centering forceps
with thread fixation



AS-19-455
Fig: 3



AS-19-456 - AS-19-458
VERBRUGGE
with lip joint
255 mm
265 mm
270 mm



AS-19-456
Fig: 1



AS-19-457
Fig: 2



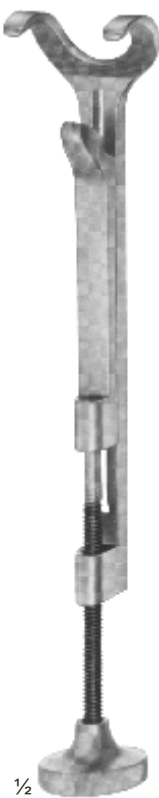
AS-19-458
Fig: 3



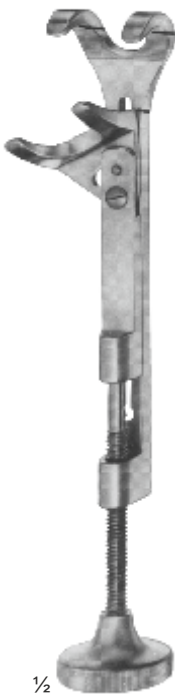
AS-19-459
LAMBOTTE
265 mm



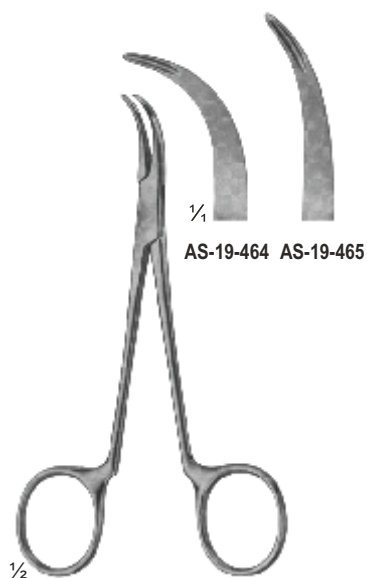
AS-19-460 - AS-19-461
LOWMAN
AS-19-460 170 mm
AS-19-461 205 mm



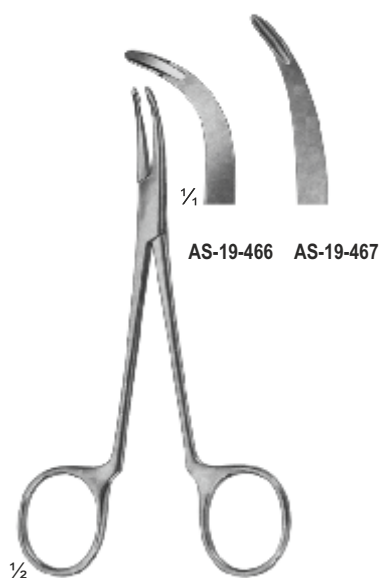
AS-19-462
LOWMAN-GERSTER
210 mm



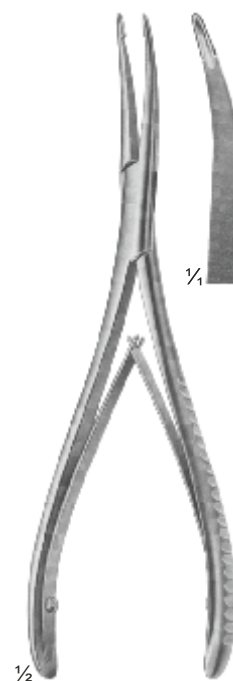
AS-19-463
LOWMAN-HOGLUND
175 mm



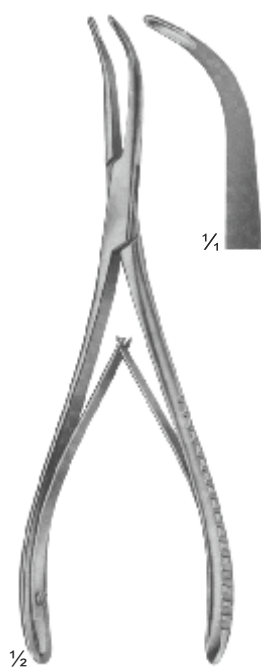
AS-19-464 - AS-19-465
Synovectomy rongeur
width of jaws 1.2 mm
130 mm



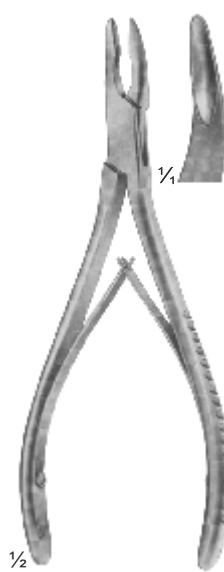
AS-19-466 - AS-19-467
Synovectomy rongeur
width of jaws 2.0 mm
130 mm



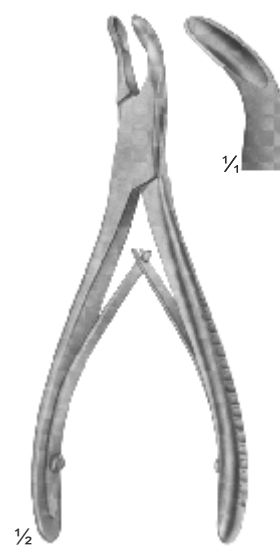
AS-19-468
STELLBRINK
Synovectomy rongeur
175 mm



AS-19-469
STELLBRINK
Synovectomy rongeur
170 mm



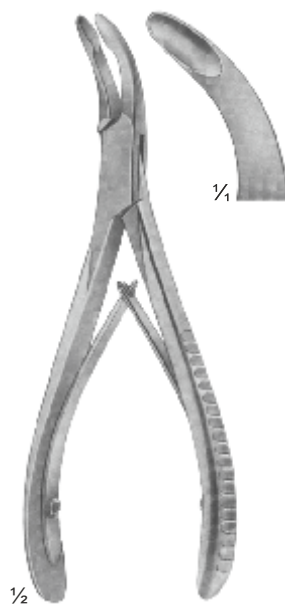
AS-19-470
LURE-FRIEDMANN
145 mm



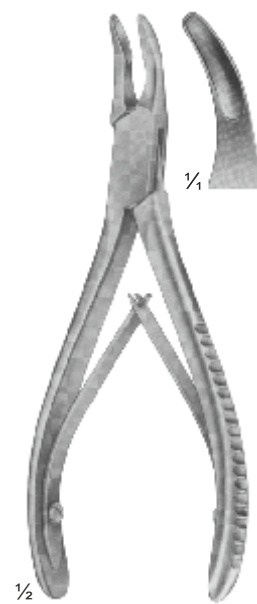
AS-19-471
140 mm



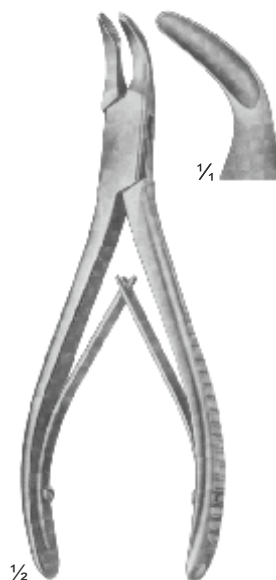
AS-19-472
LURE
150 mm



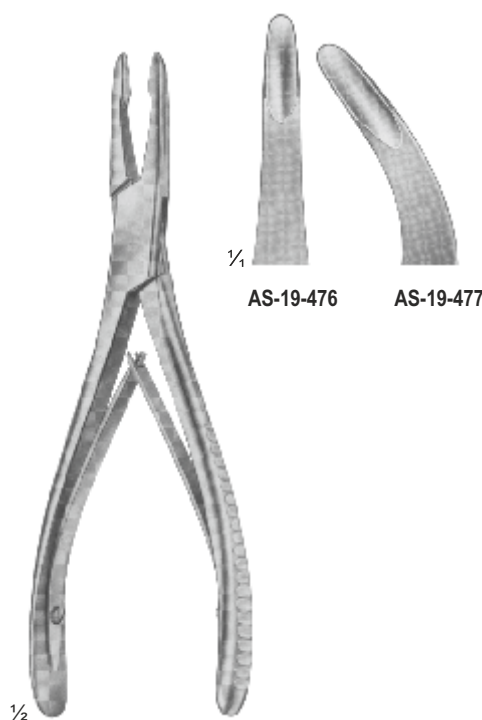
AS-19-473
LURE
155 mm



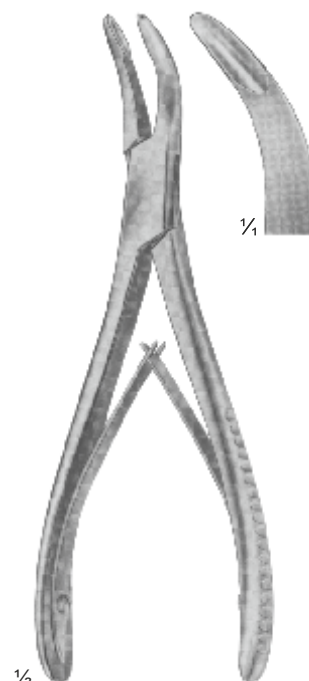
AS-19-474
BLUMENTHAL
155 mm



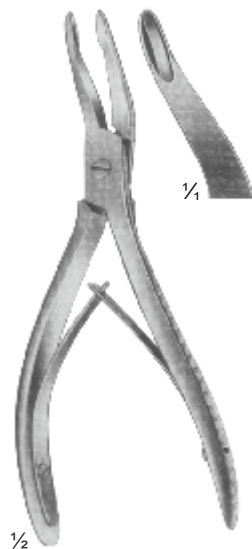
AS-19-475
BLUMENTHAL
150 mm



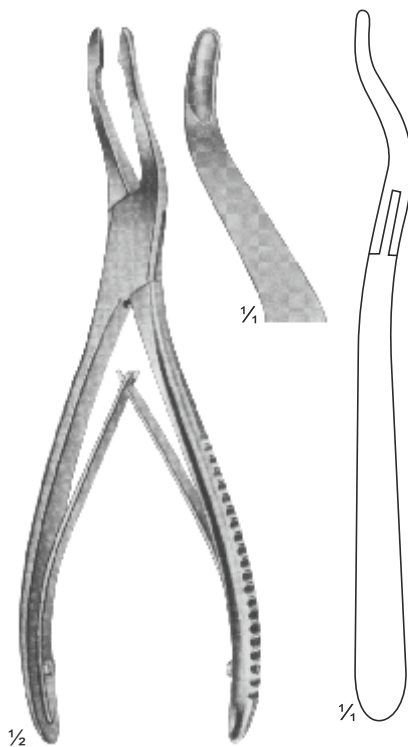
AS-19-476 - AS-19-477
JANSSEN
175 mm



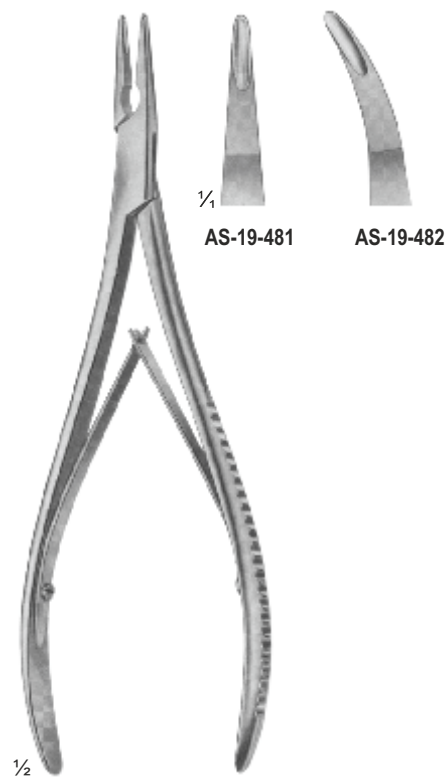
AS-19-478
BANE-HARTMANN
175 mm



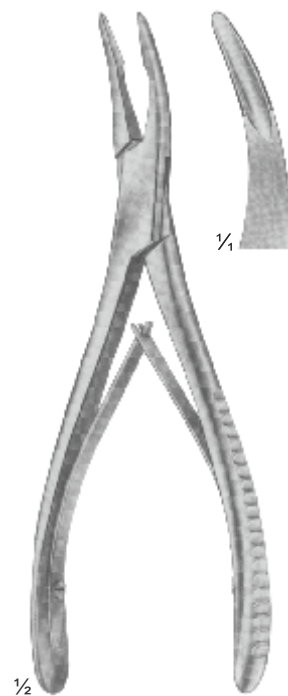
AS-19-479
ALEXANDER
140 mm



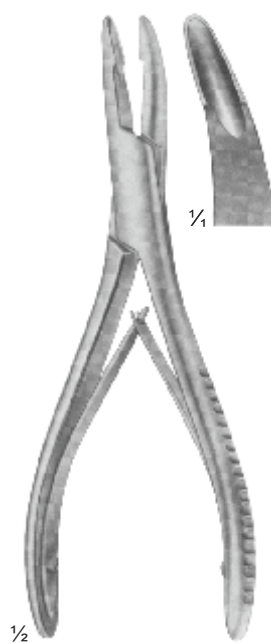
AS-19-480
JANSEN
190 mm



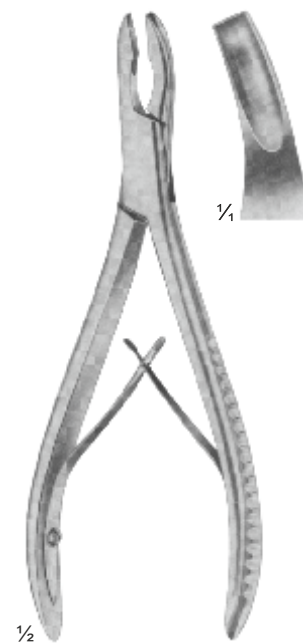
AS-19-481 - AS-19-482
LEMPERT
200 mm



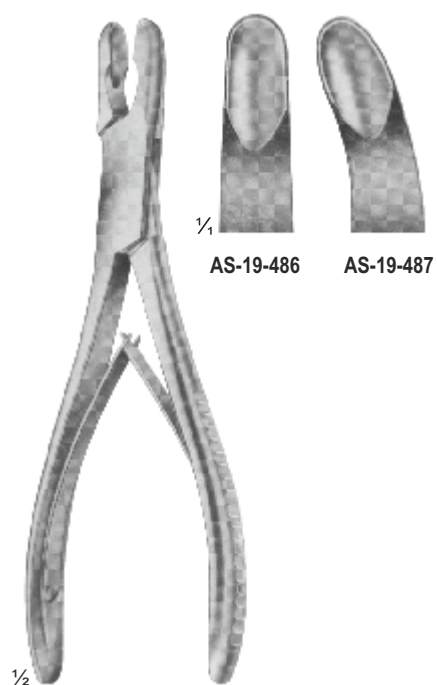
AS-19-483
BEYER
180 mm



AS-19-484
MEAD
165 mm

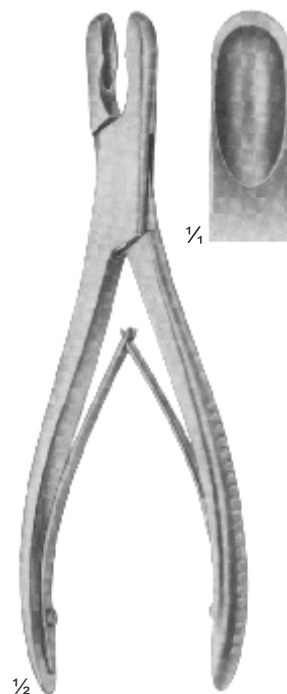


AS-19-485
MEAD
165 mm

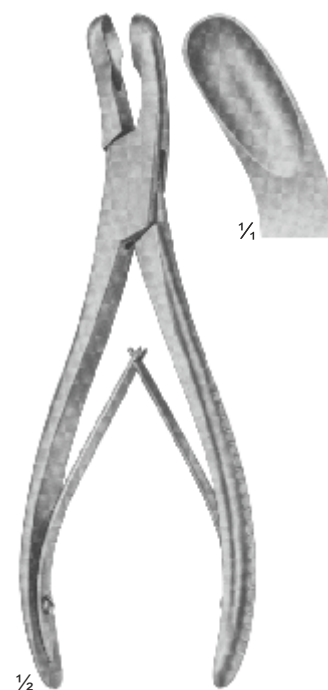


AS-19-486 AS-19-487

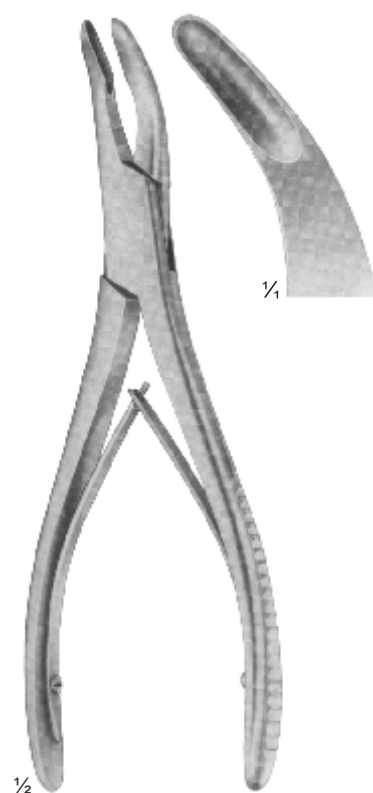
AS-19-486 - AS-19-487
LURE
175 mm



AS-19-488
LURE
180 mm



AS-19-499
LURE
180 mm

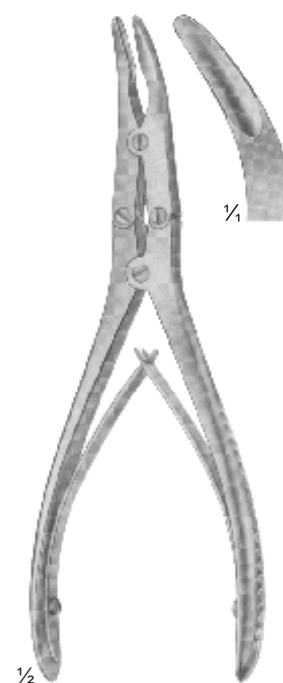


AS-19-490
OLIVECRONA
205 mm

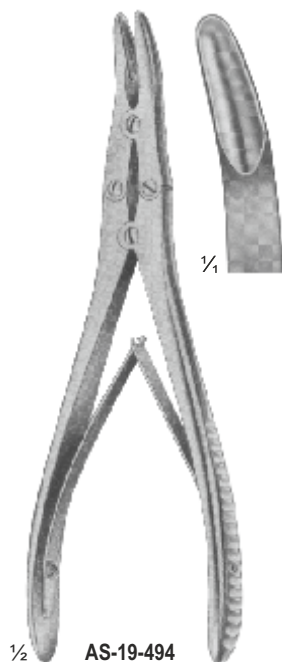


AS-19-491 AS-19-492

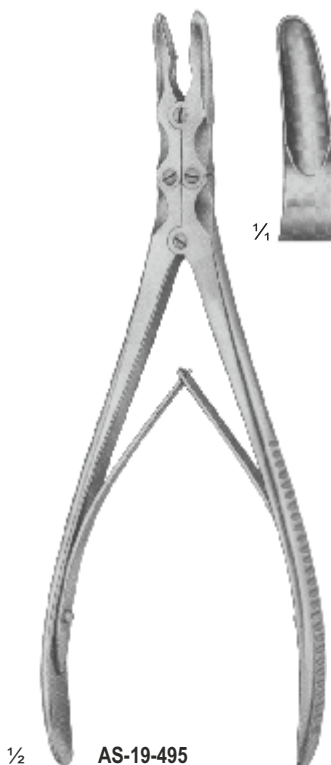
AS-19-491 - AS-19-492
BOHLER
155 mm



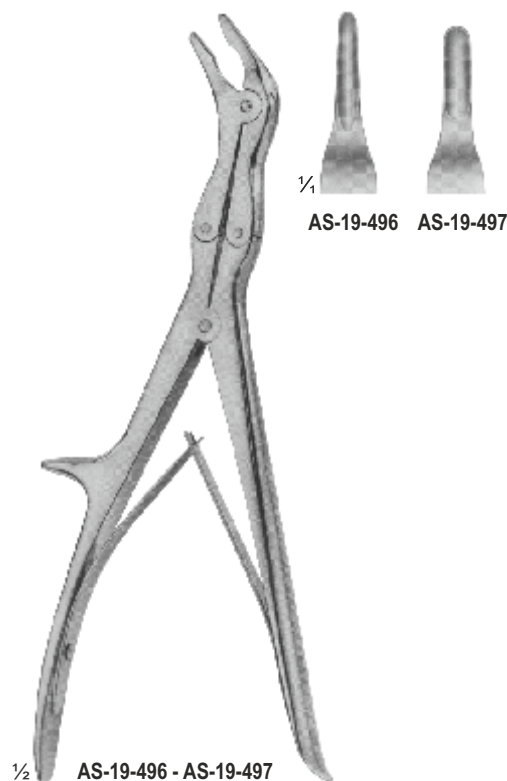
AS-19-493
MARQUARTD
200 mm



$\frac{1}{2}$ **AS-19-494**
RUSKIN
190 mm



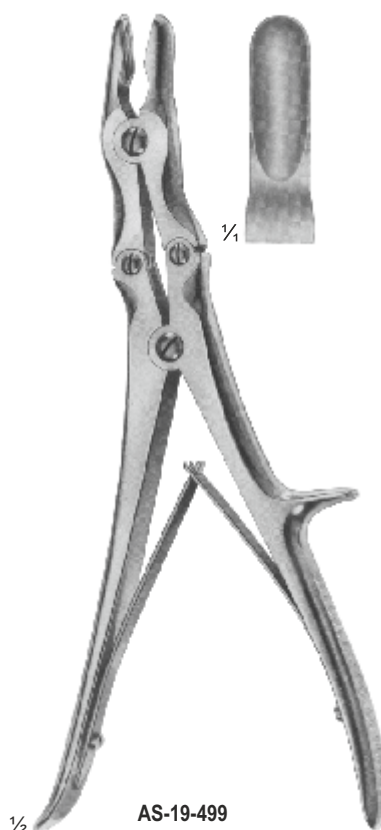
$\frac{1}{2}$ **AS-19-495**
ROTTGEN-RUSKIN
240 mm



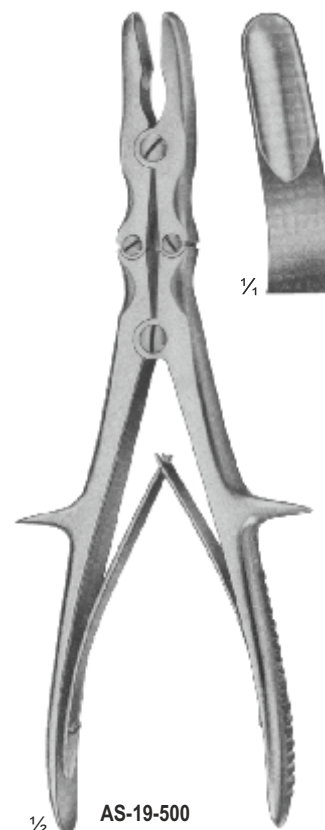
$\frac{1}{2}$ **AS-19-496 - AS-19-497**
ECHLIN
230 mm



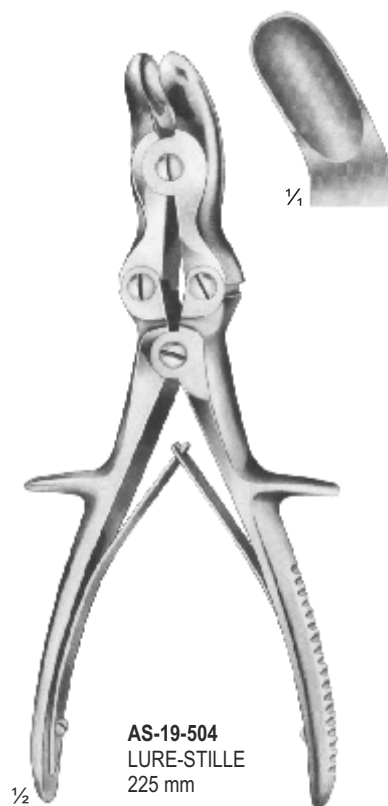
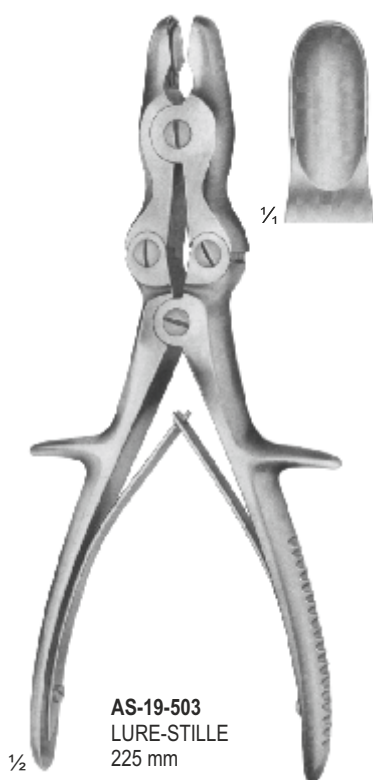
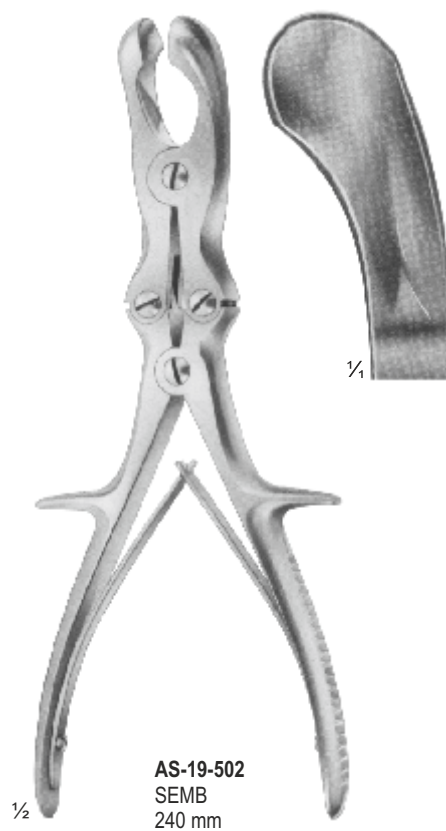
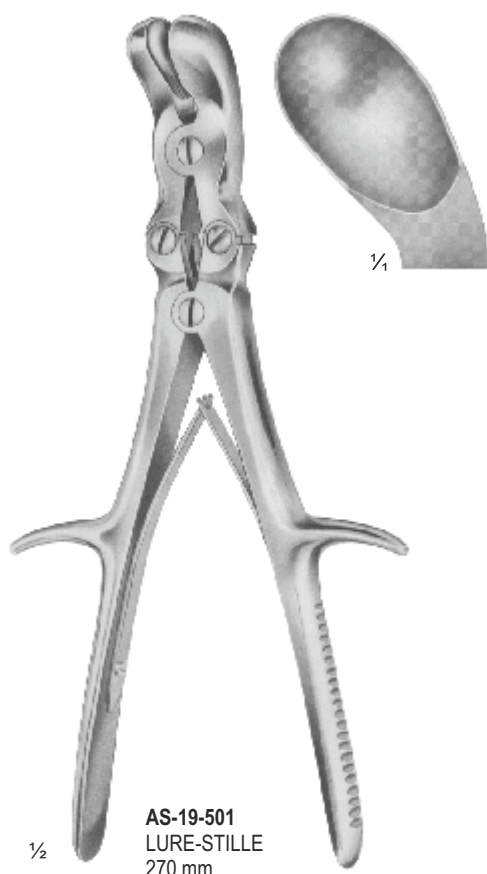
$\frac{1}{2}$ **AS-19-498**
STILLE
235 mm

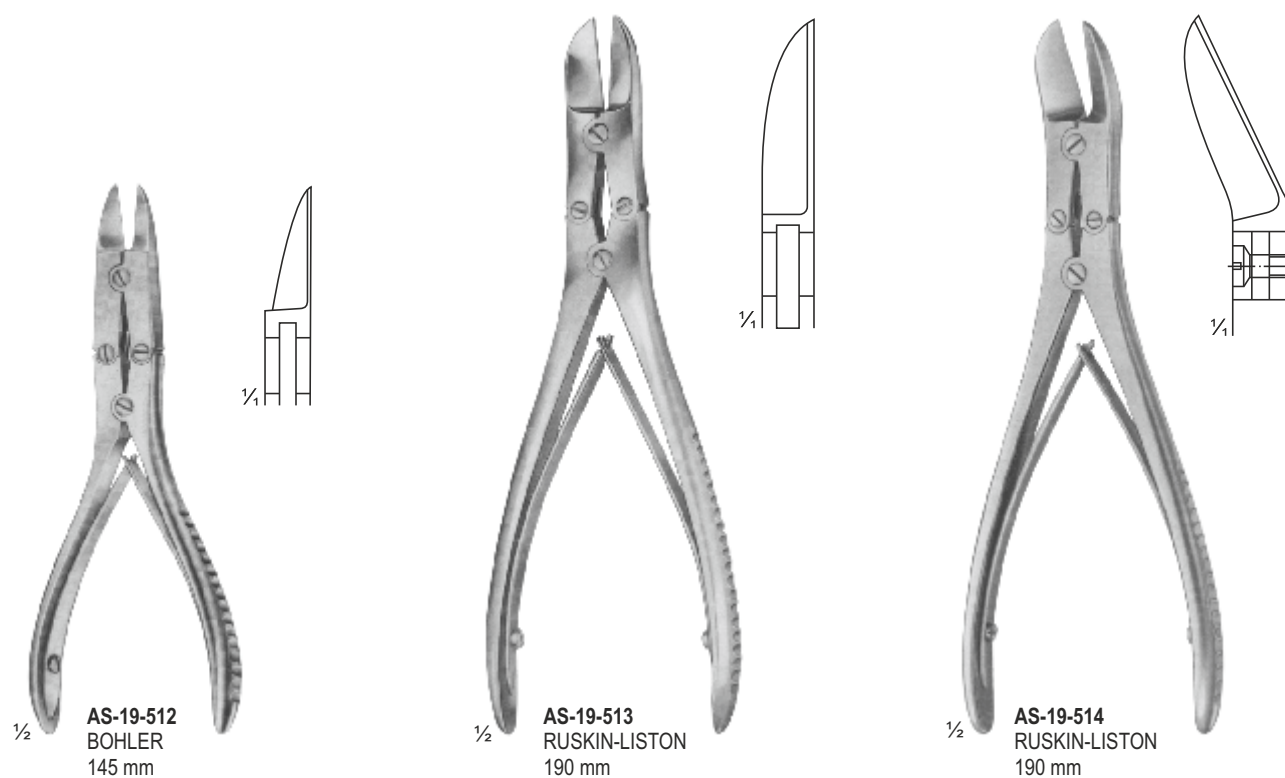
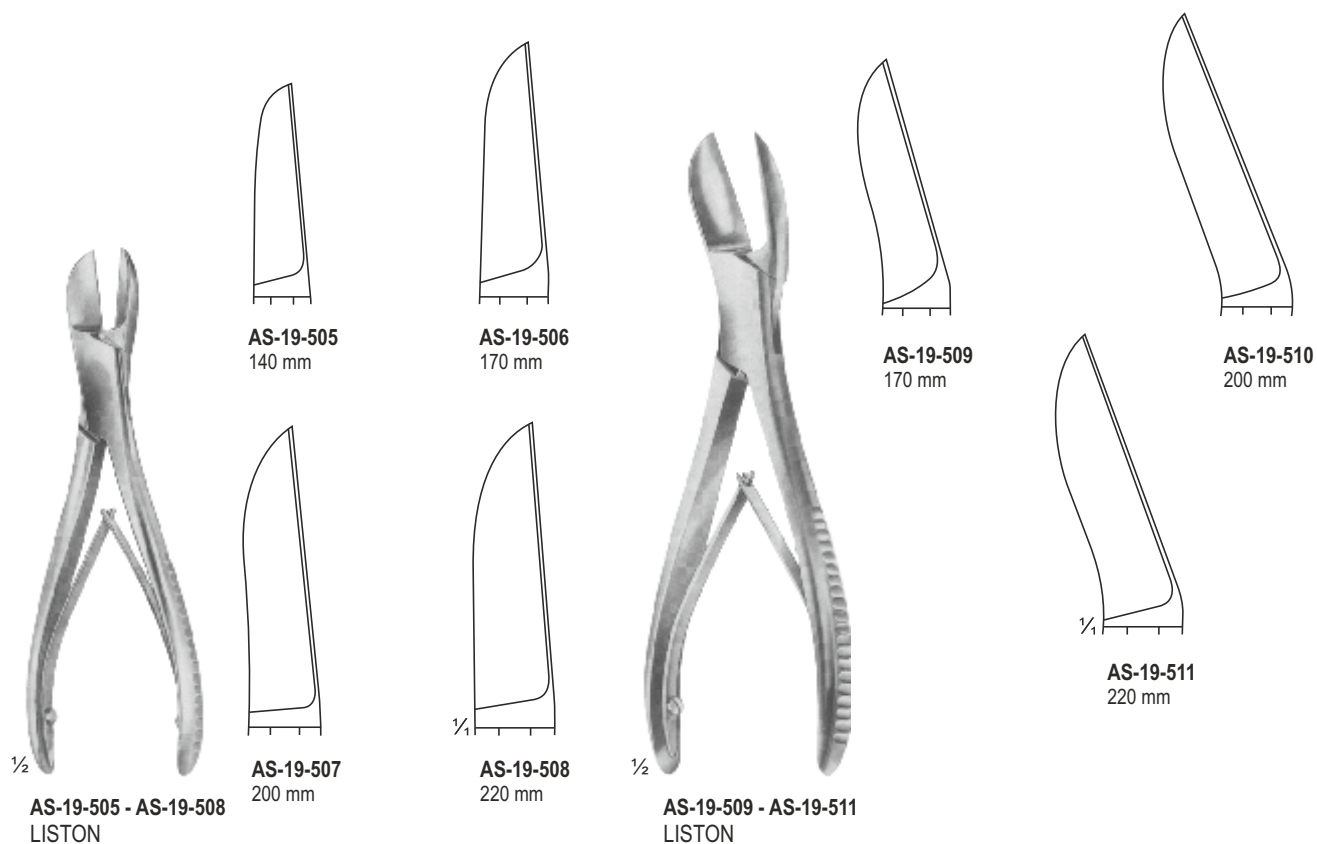


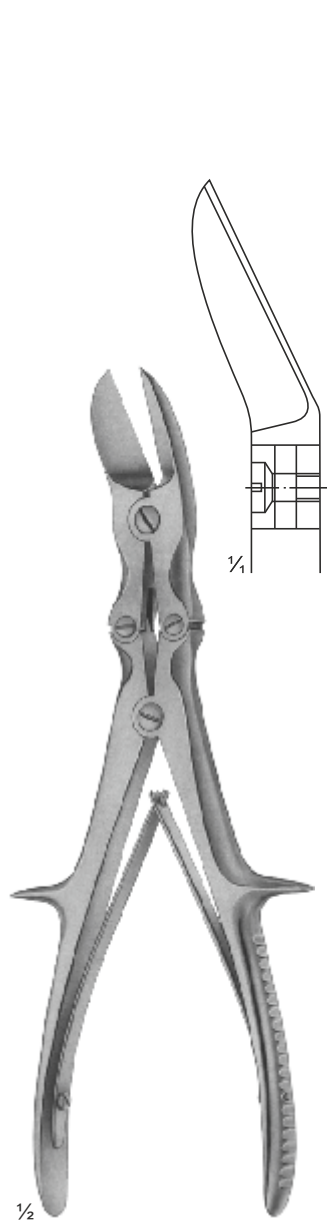
$\frac{1}{2}$ **AS-19-499**
LEKSELL-STILLE
240mm



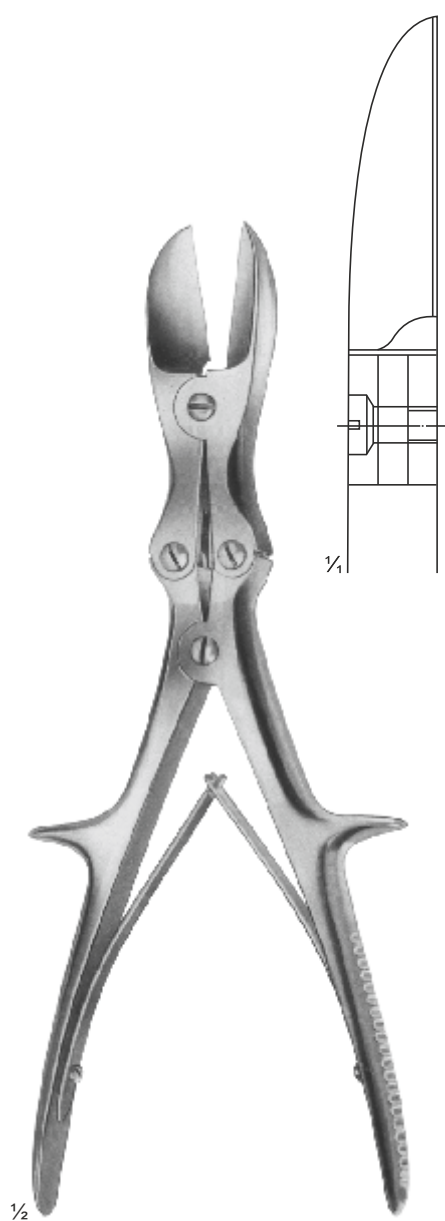
$\frac{1}{2}$ **AS-19-500**
STILLE-RUSKIN
240mm



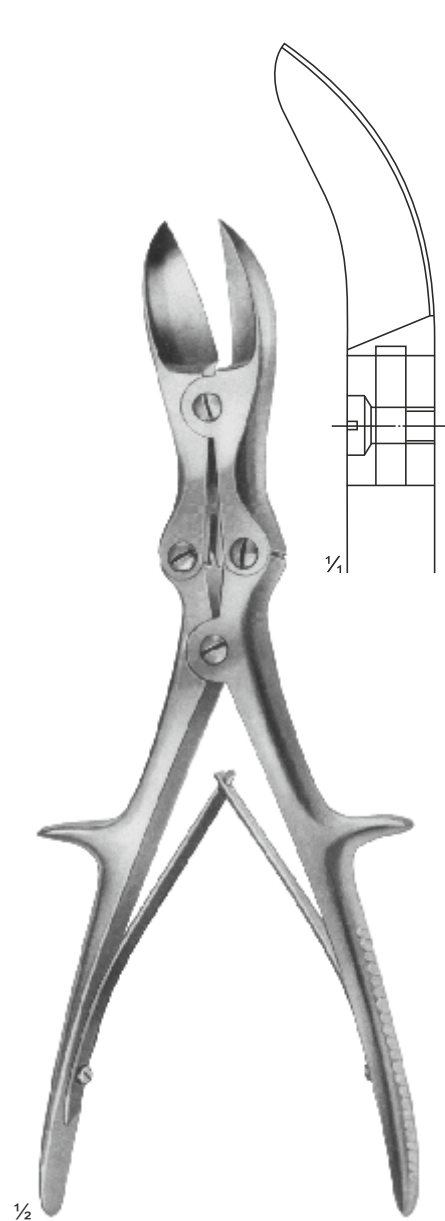




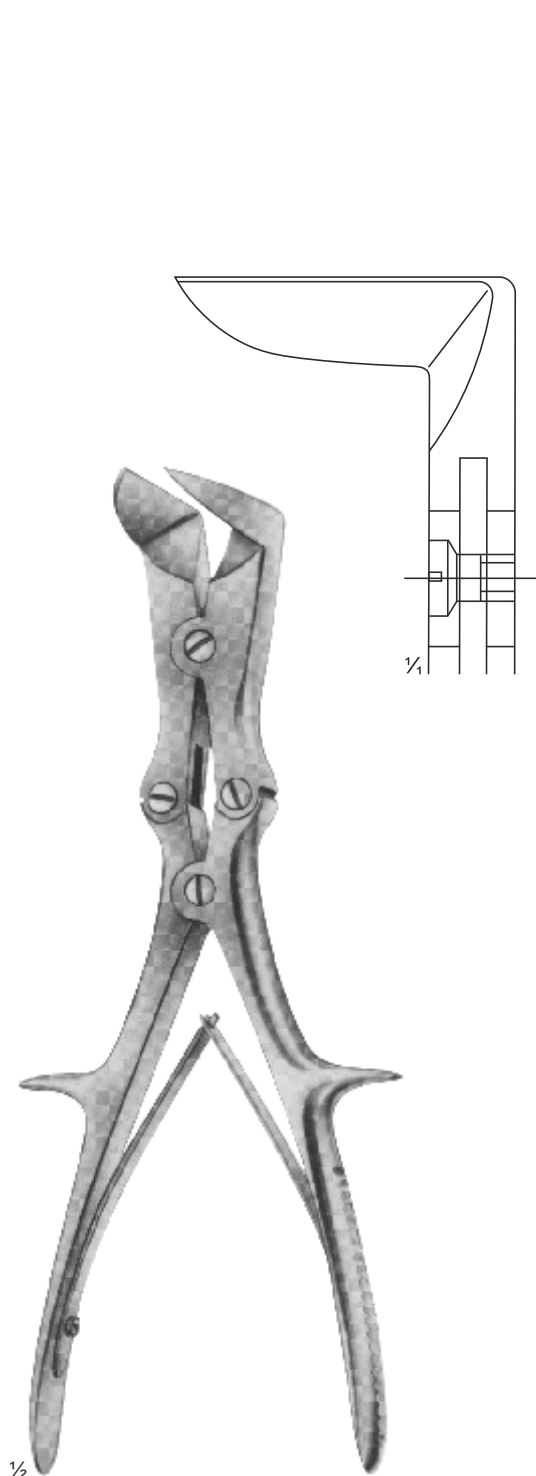
AS-19-515
LISTON
curved on flat
240 mm



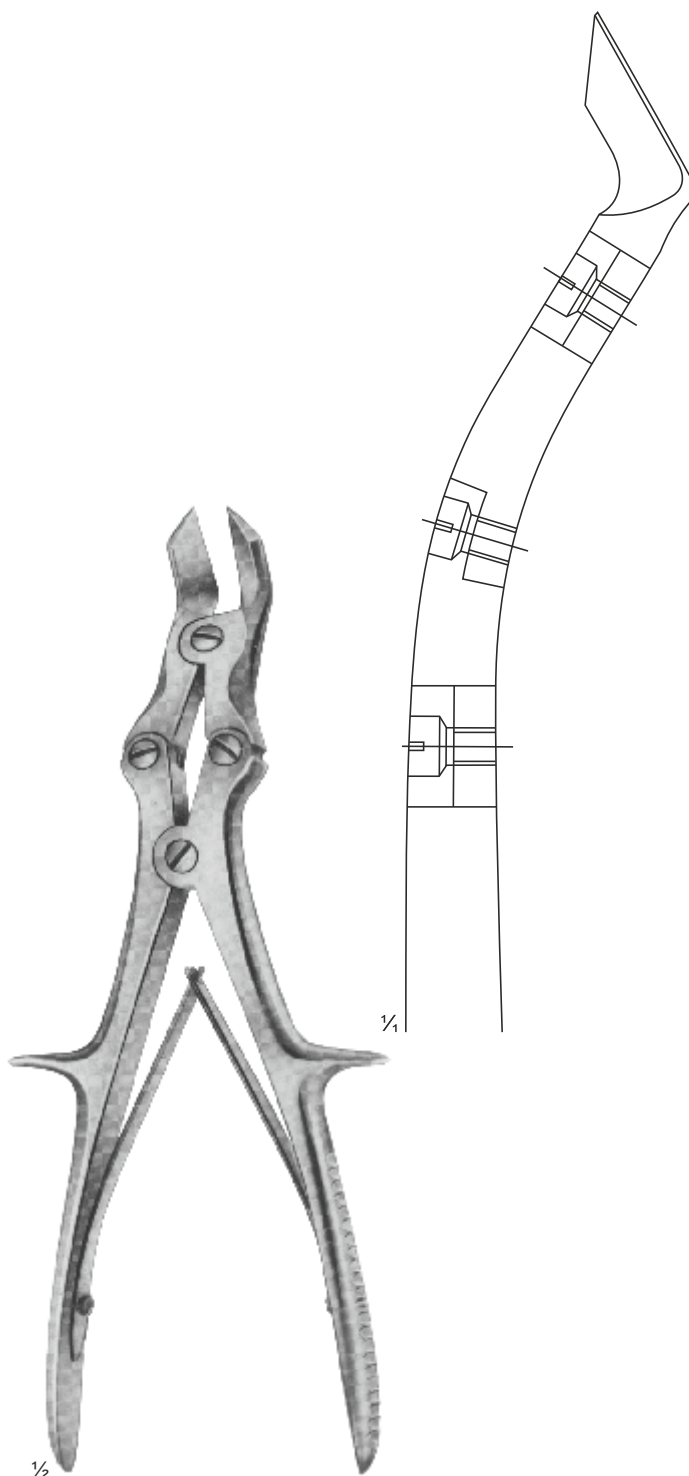
AS-19-516
LISTON
straight
280 mm



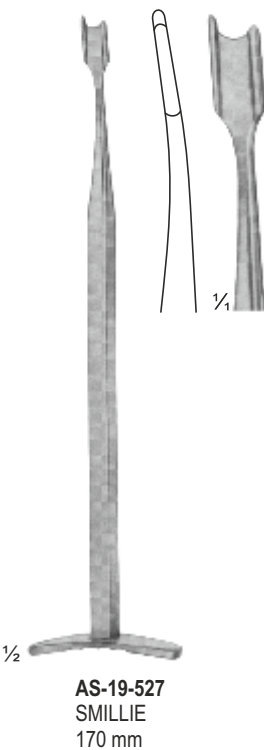
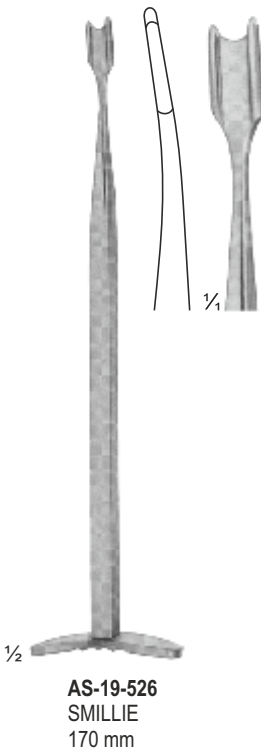
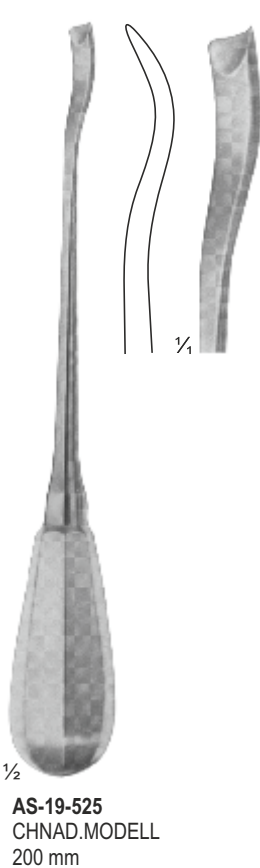
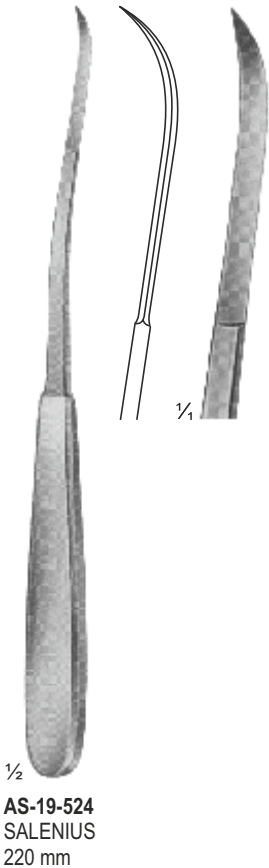
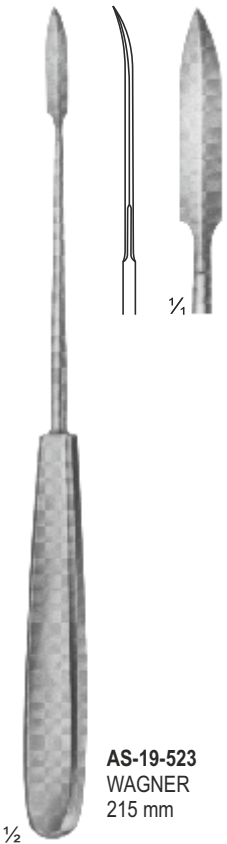
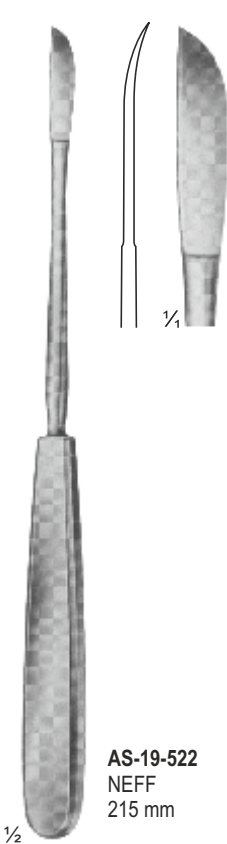
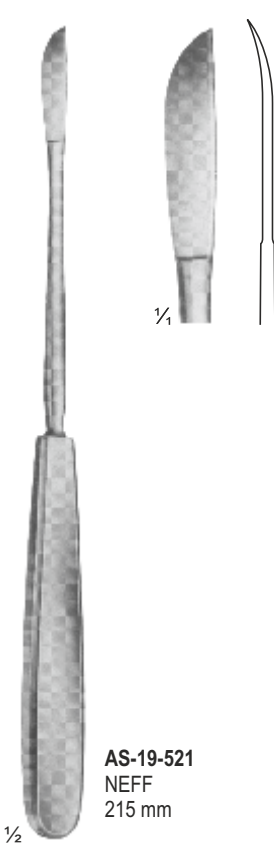
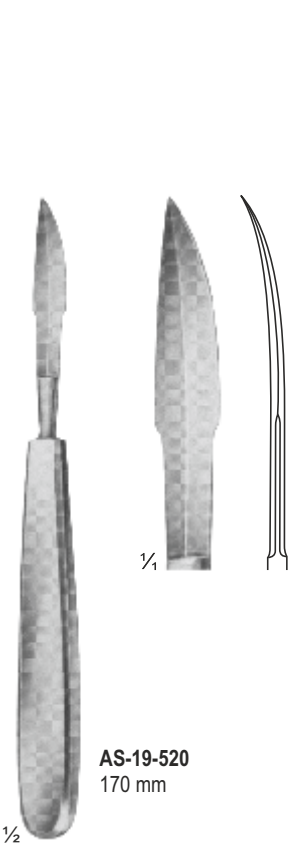
AS-19-517
LISTON
curved on flat
280 mm

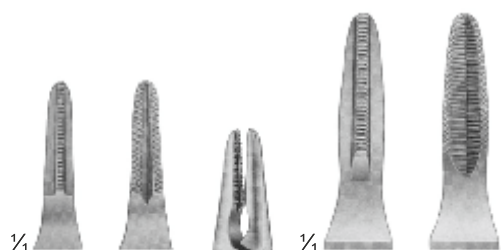


AS-19-518
LISTON-STILLE
265 mm



AS-19-519
LISTON-KEY-HORSLEY
(TUDOR EDWARDS)
255 mm



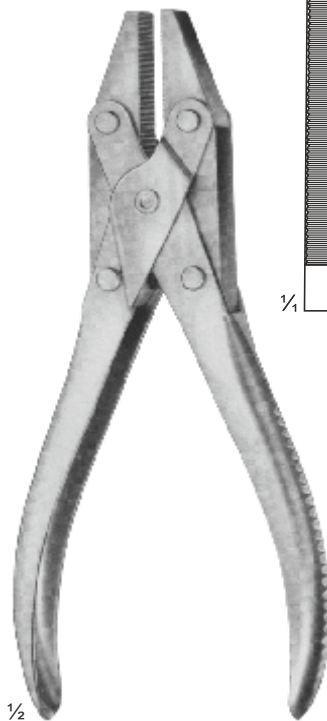


AS-19-528
130 mm

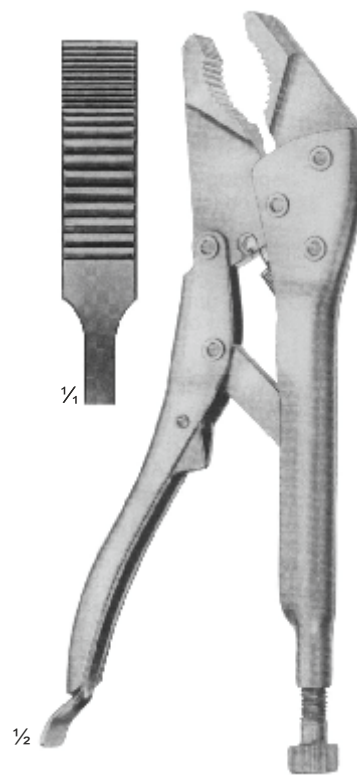
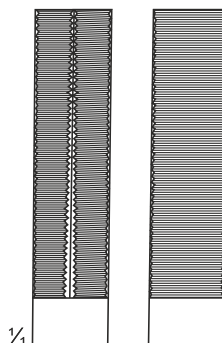
AS-19-529
180 mm



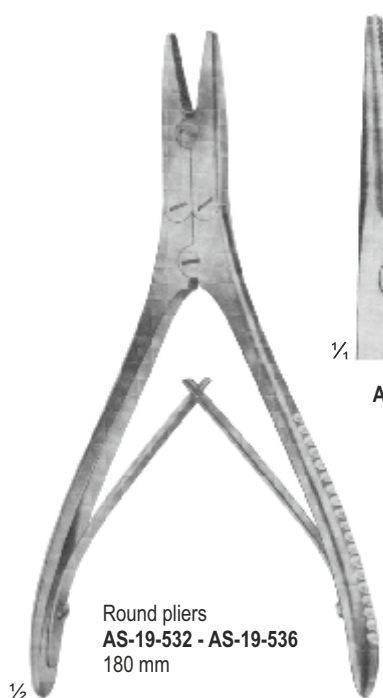
Extraction pliers
for boring wires
AS-19-528 - AS-19-529



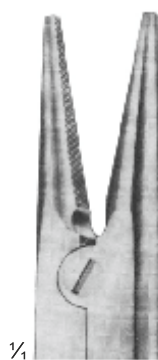
Flat-nosed pliers,
parallel
AS-19-530
185 mm



Vise grip
AS-19-531
200 mm



Round pliers
AS-19-532 - AS-19-536
180 mm



AS-19-532



AS-19-533



AS-19-534

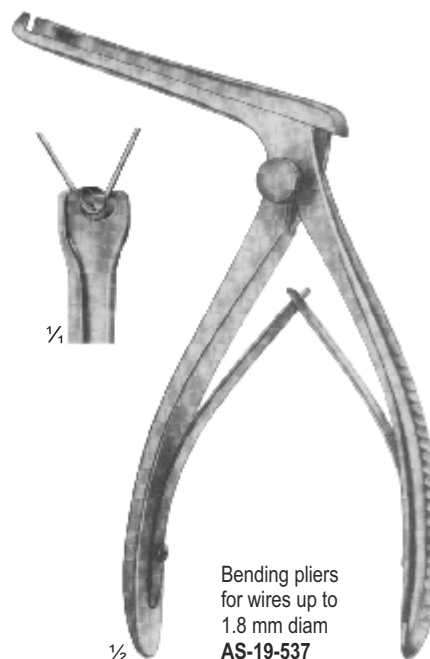


AS-19-535

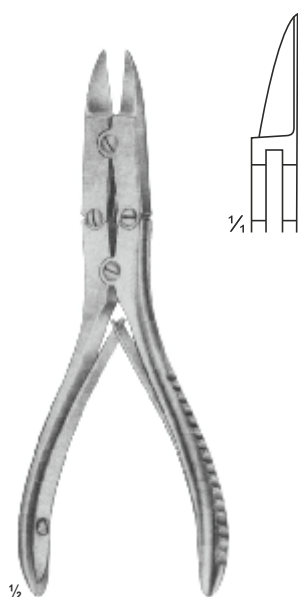


AS-19-536

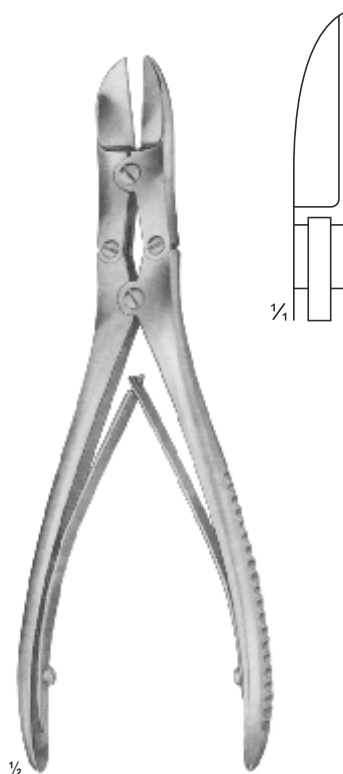
AS-19-533
AS-19-534 14.5 cm
AS-19-535 18 cm
AS-19-536 18 cm
Extraction pliers for wires



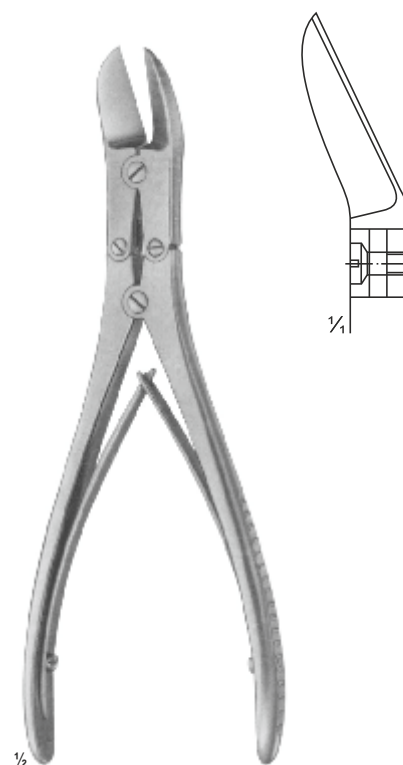
Bending pliers
for wires up to
1.8 mm diam
AS-19-537



BOHLER
AS-19-538
145 mm



RUSKIN-LISTON
AS-19-539
190 mm



RUSKIN-LISTON
AS-19-540
190 mm



AS-19-541
180 mm

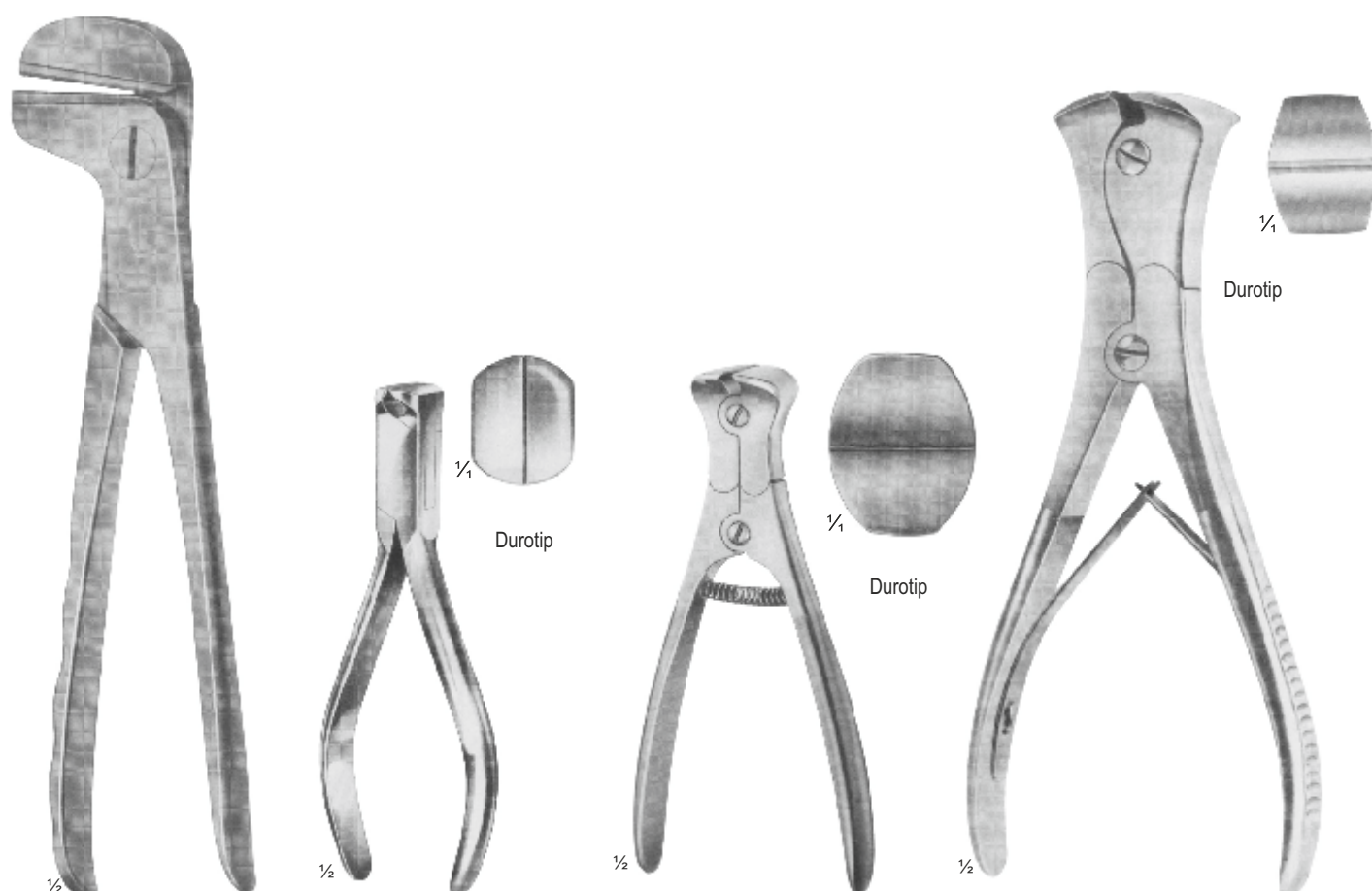
for soft wire
up to diam. 2,0 mm
For hard wire 1,5 mm
up to diam
specially hardened
cutting edges, front
and lateral cutting
action

REILL
AS-19-542
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

AS-19-543
235 mm

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



AS-19-544
240 mm

for soft wire
up to diam. 2 mm
For hard wire
up to diam. 1.6 mm

AS-19-545
140 mm

for soft wire
up to diam. 1.5 mm
For hard wire
up to diam. 1 mm

AS-19-546
145 mm

for soft wire
up to diam. 2 mm
For hard wire
up to diam. 1.5 mm

AS-19-547
220 mm

for soft wire
up to diam. 3.5 mm
For hard wire
up to diam. 2.5 mm



AS-19-548
320 mm

for soft wire
up to diam. 3 mm
For hard wire
up to diam 3 mm

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



Durotip

AS-19-549
Cutter for cutting off
KIRSCHNER wires,
Tibia head screws,
bolts, pins, up to 6 mm diam.
470 mm



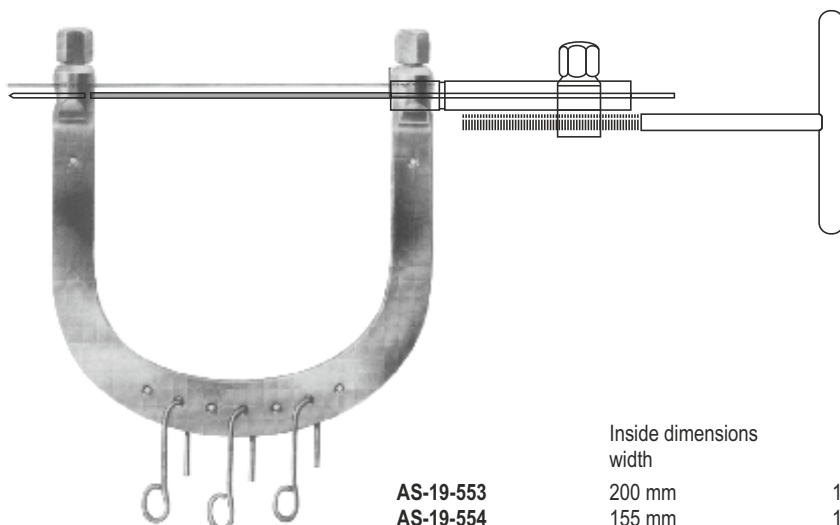
FISCHER
AS-19-550
310 mm
Blunt



AS-19-551
285 mm



BUNNELL
AS-19-552
230 mm
Tendon Passer



KIRSCHNER
AS-19-553 - AS-19-559
Wire traction bows,
to be used with
KIRSCHNER-wires
up to 2.5 mm diam.,
With 3 hooks,
stainless steel

AS-19-553
AS-19-554
AS-19-555
AS-19-556
AS-19-557
AS-19-558
AS-19-559

Inside dimensions
width

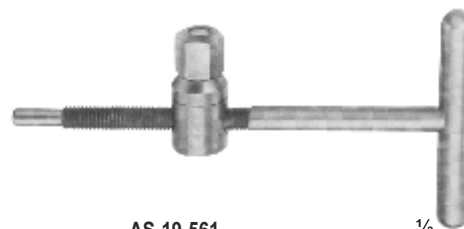
200 mm
155 mm
135 mm
120 mm
105 mm
95 mm
95 mm

Depth

155 mm
155 mm
130 mm
120 mm
100 mm
110 mm
70 mm



AS-19-560
Wrench, double - ended,
for wire traction bows



AS-19-561
Wire tightener, with
clamping jaws



1/3

AS-19-562
Traction hook only,
large size



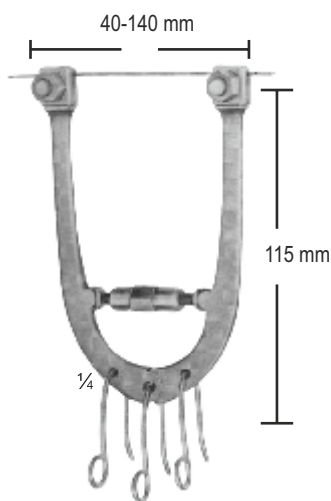
1/3

AS-19-563
Traction hook only,
small size

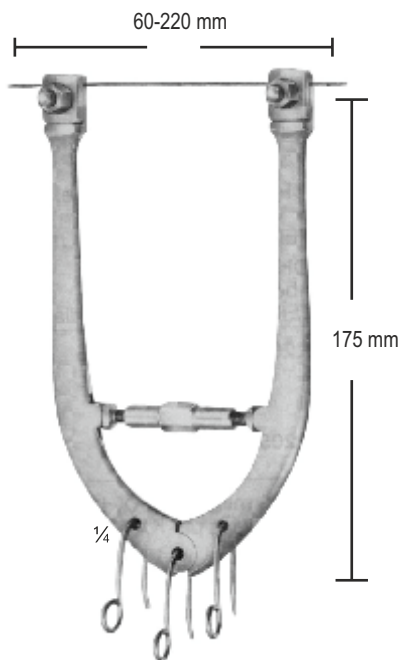


1/3

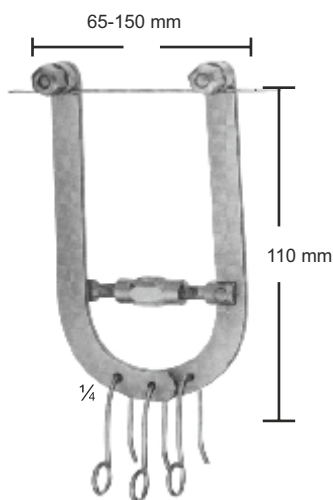
AS-19-564
Fixation clamp, to secure clamping
jaws of stainless steel



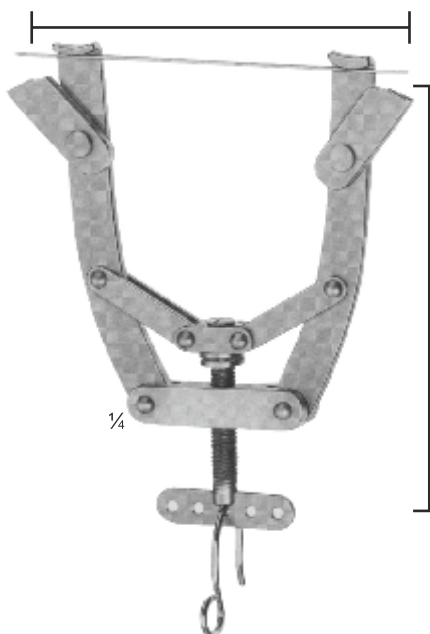
AS-19-565
Wire traction bow, adjustable,
with 3 hooks, small size



AS-19-566
Wire traction bow, adjustable,
with 3 hooks, large size



AS-19-567
Wire traction bow, adjustable,
with 3 hooks, large size for
elbow and calcaneus, for
adolescents



KIRSCHNER
AS-19-570 - AS-19-575
Wire traction bow, modified
adjustable in width, holds wire
securely, with 1 hook



AS-19-568
Fixation disc, slotted



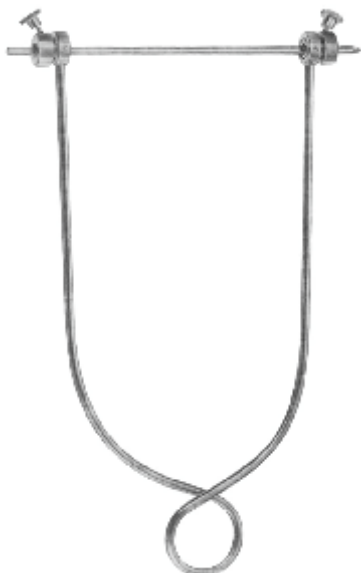
AS-19-569
idem, aluminum, transparent
to X-rays



AS-19-576
Fixation disc, slotted



AS-19-577
Screw driver, for above
fixations discs

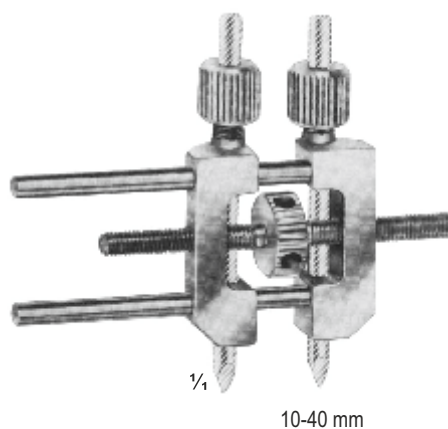


AS-19-578 - AS-19-585
Screw driver, for above
fixations discs

Steinmann pins, 4 mm daim.		Steinmann pins, 5 mm daim.	
AS-19-578	with pin	16x9cm	Arm
AS-19-579	without pin	AS-19-580-00	without
AS-19-581	with pin	21x11cm	Arm
AS-19-582	without pin	AS-19-583	without
AS-19-584	with pin	21x15cm	Arm
AS-19-585	without pin		



AS-19-586
SCHWARZ
Traction bow for fingers,
to be used with KIRSCHNER-
wire up to 1.6 mm diam.



AS-19-587
Small distractor
as a repositioning device for
distraction and compression of small bones,
for wires with 3 mm diam.



STEINMANN
AS-19-588 - AS-500
triangular shaft ended
and trocar point

Length	4 mm	5 mm
80 mm	AS-19-588	
100 mm	AS-19-589	
120 mm	AS-19-590	
140 mm	AS-19-591	
150 mm	AS-19-592	AS-19-593
160 mm	AS-19-594	
180 mm	AS-19-595	AS-19-596
200 mm	AS-19-597	AS-19-598
210 mm	AS-19-599	
250 mm	AS-19-600	AS-19-601
300 mm		AS-19-602



AS-19-603
Protection cap
for 4 mm STEINMANN Pins



AS-19-604
Protection cap
for 5 mm STEINMANN Pins



REILL
AS-19-605
Drilling chuck,
cannulated,
for shanks from
2.0 - 2.5 mm diam
115 mm



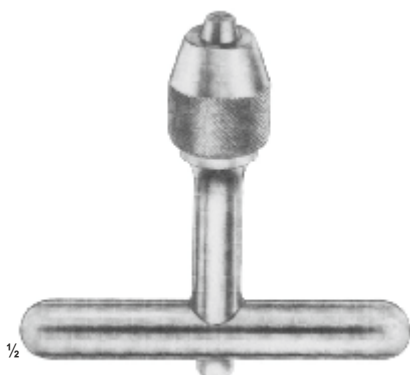
AS-19-606
Drilling chuck,
cannulated,
for shanks from
0.8 - 2.0 mm diam
150 mm



AS-19-607
Drilling chuck,
cannulated,
for shanks up to
4.5 mm diam
with key
140 mm



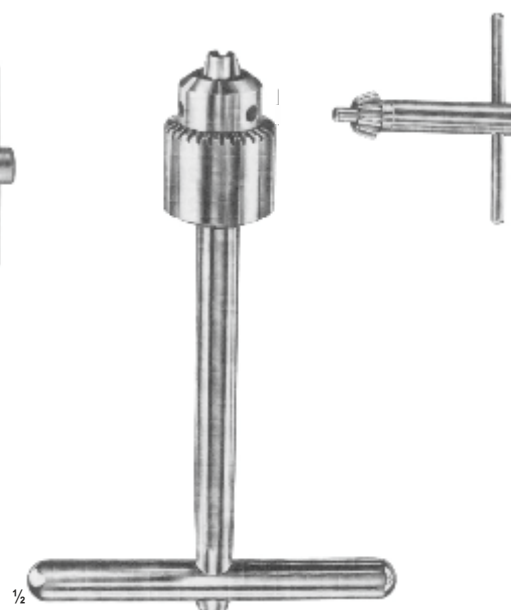
LOUTE
AS-19-608
Wire tightener, improved pattern,
with movable tip,
for wires up to 1.0 mm diam.
220 mm



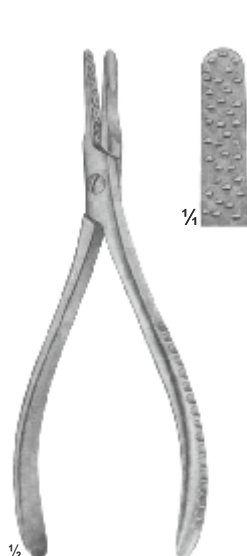
AS-19-609
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
To be tightened by hand
100 mm



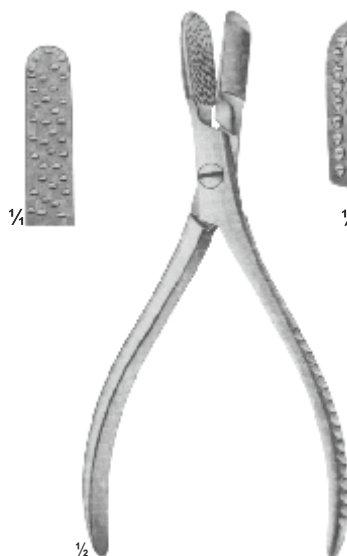
AS-19-610
Drilling chuck, cannulated,
for shanks up to 4.5 mm diam.,
And for triangular shaft width
across flats 4.7 mm



AS-19-611
Drilling chuck, cannulated,
for shanks up to 6.35 mm diam.,
With key
160 mm



AS-19-612
Nail extracting
forceps
135 mm

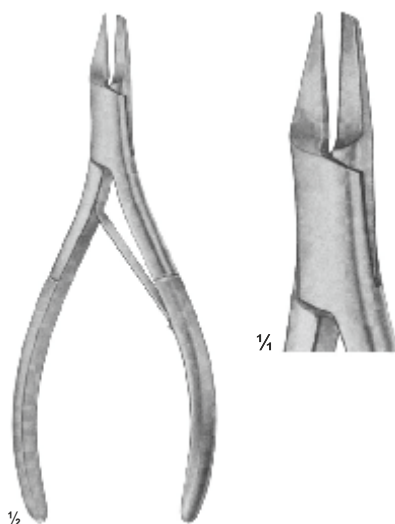


AS-19-613
Nail extracting
forceps
145 mm

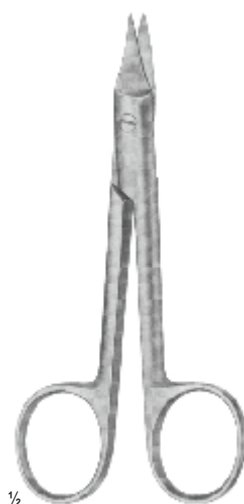


MARTIN-IDEAL
AS-19-614 - AS-19-616
Finger nail drill
with 3 points

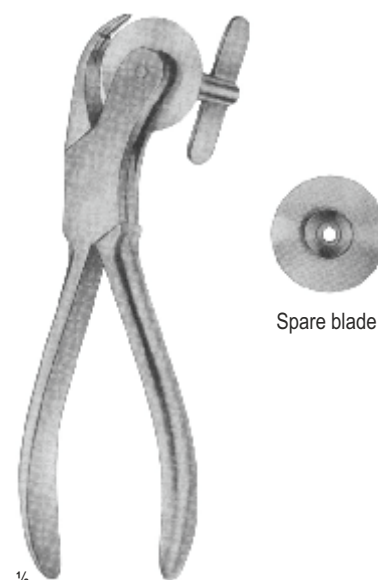
Drill points only



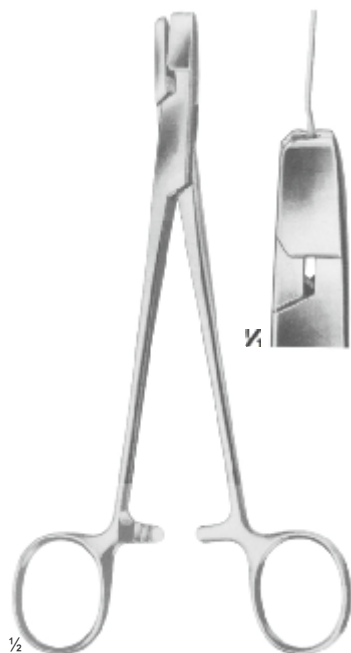
AS-19-617
Nail splitting
forceps
135 mm



SYSTRUNK
AS-19-618
Scissors, for splitting
finger nails
130 mm



AS-19-619
Finger ring saw
150 mm



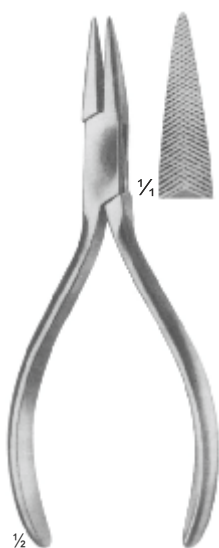
DUROGRIP
AS-19-620
Holding forceps for cerclage
wire, with lateral jaws to avoid
wire slipping off
170 mm



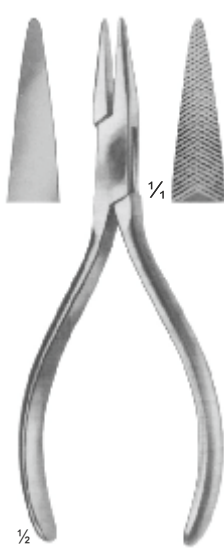
DUROGRIP
AS-19-621
Wire, tightening pliers,
Ligature pliers
150 mm



DUROGRIP
AS-19-622
Wire, tightening pliers,
Ligature pliers
150 mm



AS-19-623
with serrated jaws
140 mm



AS-19-624
one jaws smooth,
one jaws serrated
140 mm



AS-19-625
with serrated jaws
AS-19-626
with longitudinal and
transversal grooves
170 mm



AS-19-627
190 mm



Durotip

AS-19-628
Cutter for cutting off
KIRSCHNER wires,
Tibia head screws,
bolts, pins, up to 6 mm diam.
47 cm



AS-19-629
For Soft Wire $\varnothing$ cm 3.5
For Hars Wire $\varnothing$ cm 2.5
22 cm



AS-19-630
For Soft Wire $\varnothing$ cm 2.0
For Hars Wire $\varnothing$ cm 1.5
22 cm



AS-19-631
For Soft Wire $\varnothing$ cm 2.0
For Hars Wire $\varnothing$ cm 1.6
18 cm

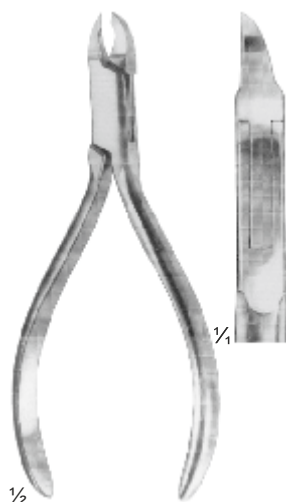


AS-19-632
17 cm



Page 464-470

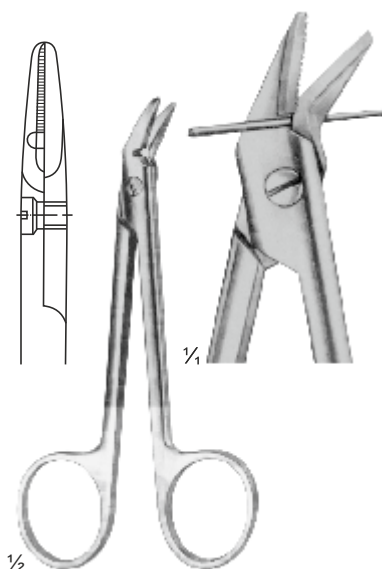
- Plaster Instruments



AS-20-101
ANGLE
130 mm

AS-20-102
DUROTIP
ANGLE
130 mm

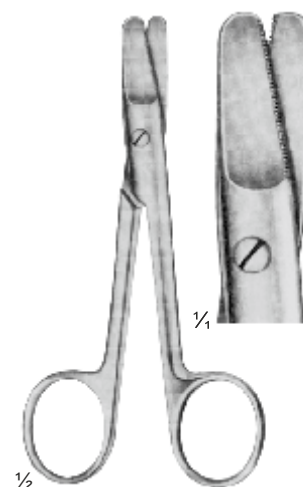
for soft wire up to diam.	0,5 mm	0,6 mm
for hard wire up to diam.	0,3 mm	0,4 mm



AS-20-103
120 mm

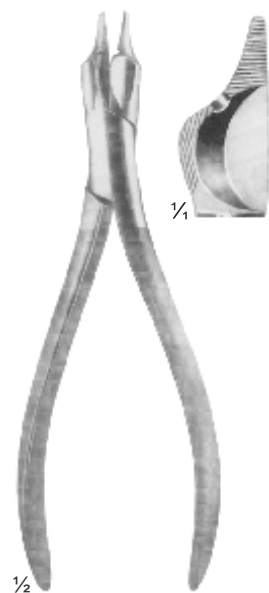
AS-20-104
DUROTIP
120 mm

for soft wire up to diam.	1,2 mm	1,2 mm
for hard wire up to diam.	0,8 mm	0,8 mm



AS-20-105
HARVEY
125 mm

0,4 mm
0,3 mm



AS-20-106
150 mm

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



AS-20-107
160 mm

1,5 mm
1,2 mm



AS-20-108
140 mm

1,5 mm
1,0 mm

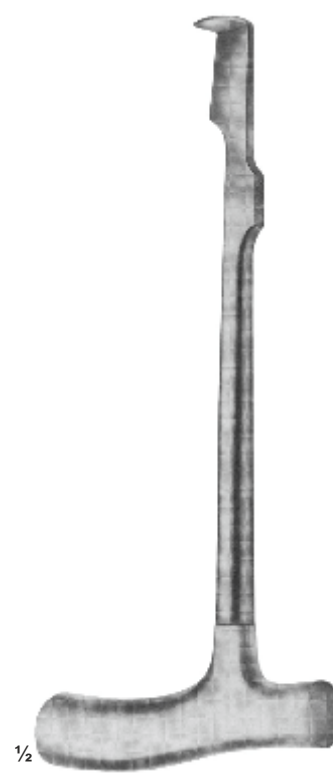




KILLIAN
AS-20-112
200 mm



AS-20-113 - AS-20-114
AS-20-113 195 mm
AS-20-114 225 mm



LEBSCHE
AS-20-115
Sternum chisel
200 mm



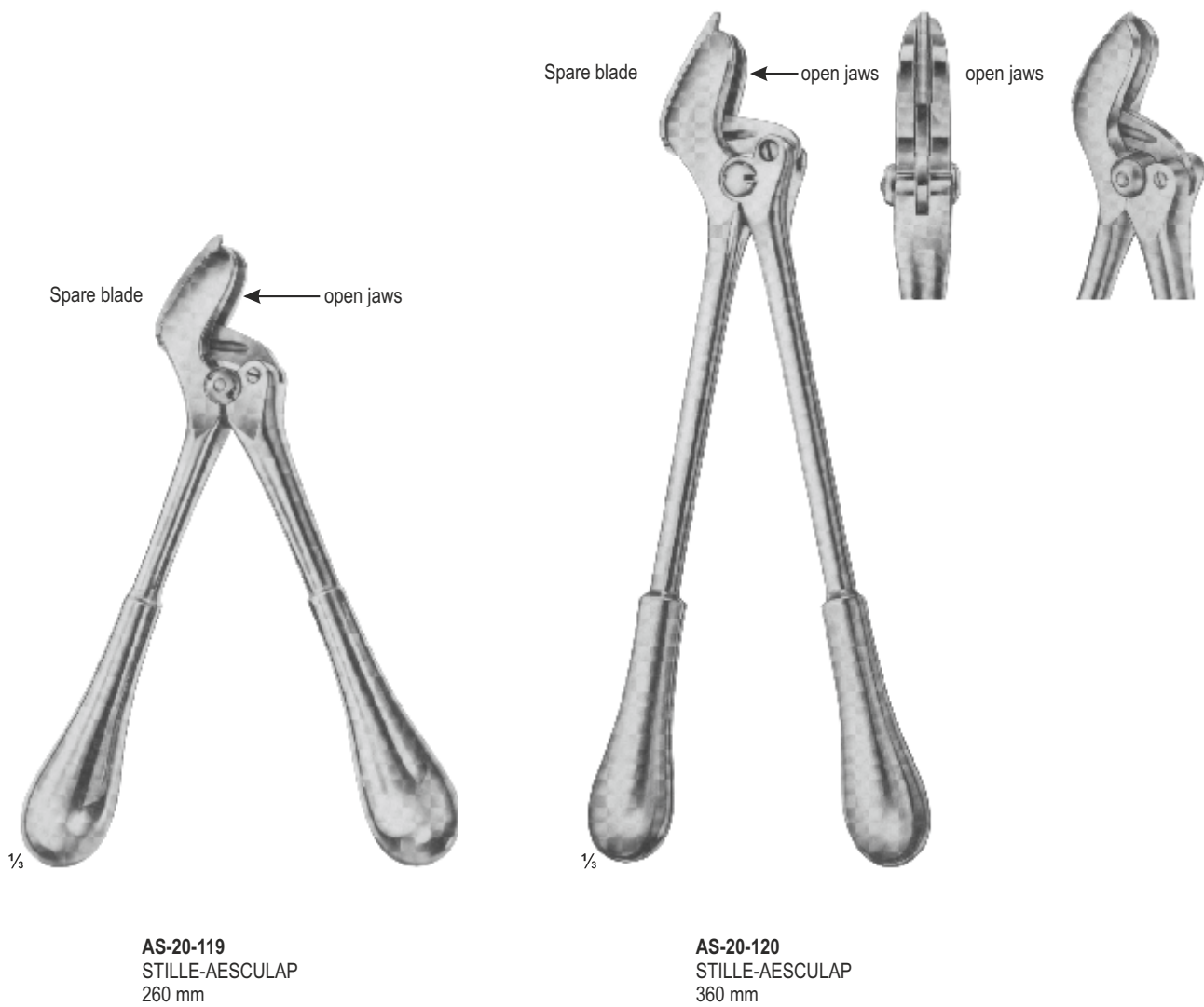
AS-20-116
230 mm



COLLIN
AS-20-117
195 mm



GLUCK
AS-20-118
190 mm

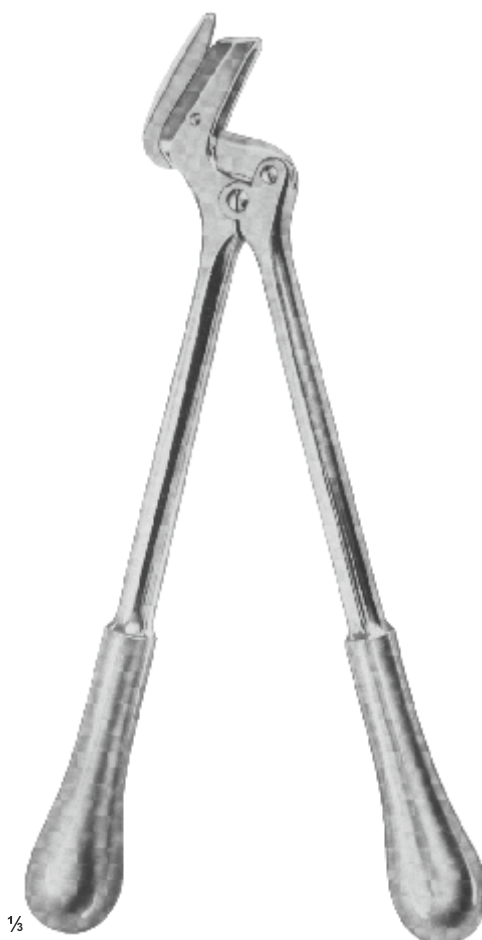


Blade with reinforced back



AS-20-121
STILLE
230 mm

AS-20-122
Spare blade



AS-20-123
STILLE
370 mm

AS-20-124
Spare blade



AS-20-125
STILLE
240 mm

AS-20-126
Spare blade



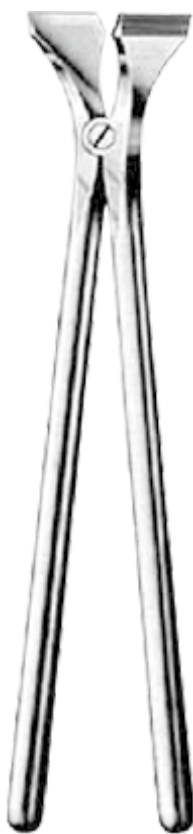
BEESON
AS-20-127
30 cm



MOD.USA
AS-20-128
23 cm



HAGLUND-STILLE
AS-20-129
20 cm



AS-20-130
29 cm



WOLFF
AS-20-131
10 cm



WOLFF
AS-20-132
24 cm



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- NeuroSurgery
- Laminectomy



WAGENER
AS-21-101 - AS-21-104
150 mm



AS-21-101



AS-21-102



AS-21-103



AS-21-104



GRAEFE
AS-21-105 - AS-21-107
140 mm



AS-21-105



AS-21-106



AS-21-107



BROM
AS-21-108
Vein hook
170 mm



1/4



CRILE
AS-21-109
200 mm



1/4



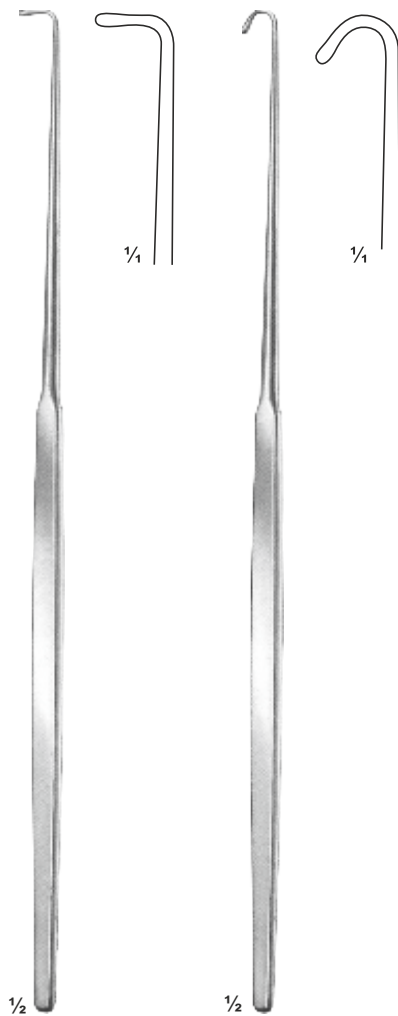
CUSHING
AS-21-110- AS-21-111
190 mm



AS-21-110



AS-21-111



GRONINGEN
AS-21-112
265 mm

GRONINGEN
AS-21-113
265 mm



CUSHING
AS-21-113 - AS-21-114



Fig. 1
AS-21-113
190 mm

Fig. 1
AS-21-114
280 mm



CUSHING
AS-21-115 - AS-21-116



Fig. 1
AS-21-115
190 mm

Fig. 1
AS-21-116
280 mm



SMITHWICK
AS-21-117 - AS-21-118



AS-21-117
165 mm



AS-21-118
210 mm



1/2

KRAYENBUHI
AS-21-119 - AS-21-122
190 mm



Fig.1
AS-21-119

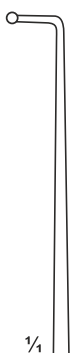


Fig.2
AS-21-120



Fig.1
AS-21-121

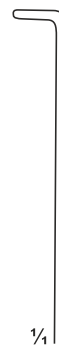


Fig.2
AS-21-122



1/2

CASPER
AS-21-123 - AS-21-126
245 mm



AS-21-123



AS-21-124



AS-21-125



AS-21-126



Fig.1
AS-21-127



Fig.2
AS-21-128

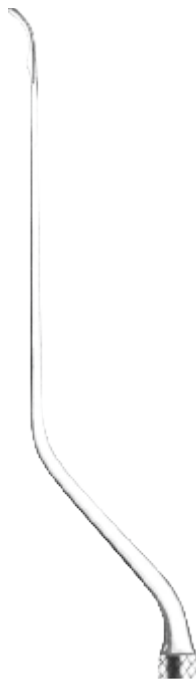


Fig.3
AS-21-129



Fig.4
AS-21-130



Fig.5
AS-21-131



Fig.6
AS-21-132



Fig.7
AS-21-133

AS-21-127 - AS-21-133



**YASARGIL
AS-21-134**
190 mm



**YASARGIL
AS-21-135**
190 mm



**YASARGIL
AS-21-136**
190 mm



**YASARGIL
AS-21-137**
190 mm



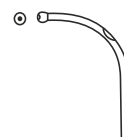
**YASARGIL
AS-21-138**
190 mm



**YASARGIL
AS-21-139**
190 mm



**JACOBSON
AS-21-140**
190 mm



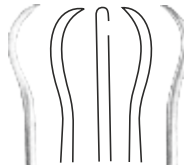
**JACOBSON
AS-21-141**
190 mm



**YASARGIL
AS-21-142**
190 mm



AS-21-143
190 mm



AS-21-144
190 mm

YASARGIL



AS-21-145
190 mm



AS-21-146
190 mm



**YASARGIL
AS-21-AS-21-147**
190 mm



YASARGIL
AS-21-148 - AS-21-149
Galea Hook



TOENNIS
AS-21-150
240 mm



OLIVECRONA
AS-21-151
240 mm



HESS
Nerve Root Retractor
AS-21-152 - AS-21-154
AS-21-152 175 mm 3 mm
AS-21-153 175 mm 5 mm
AS-21-154 175 mm 7 mm



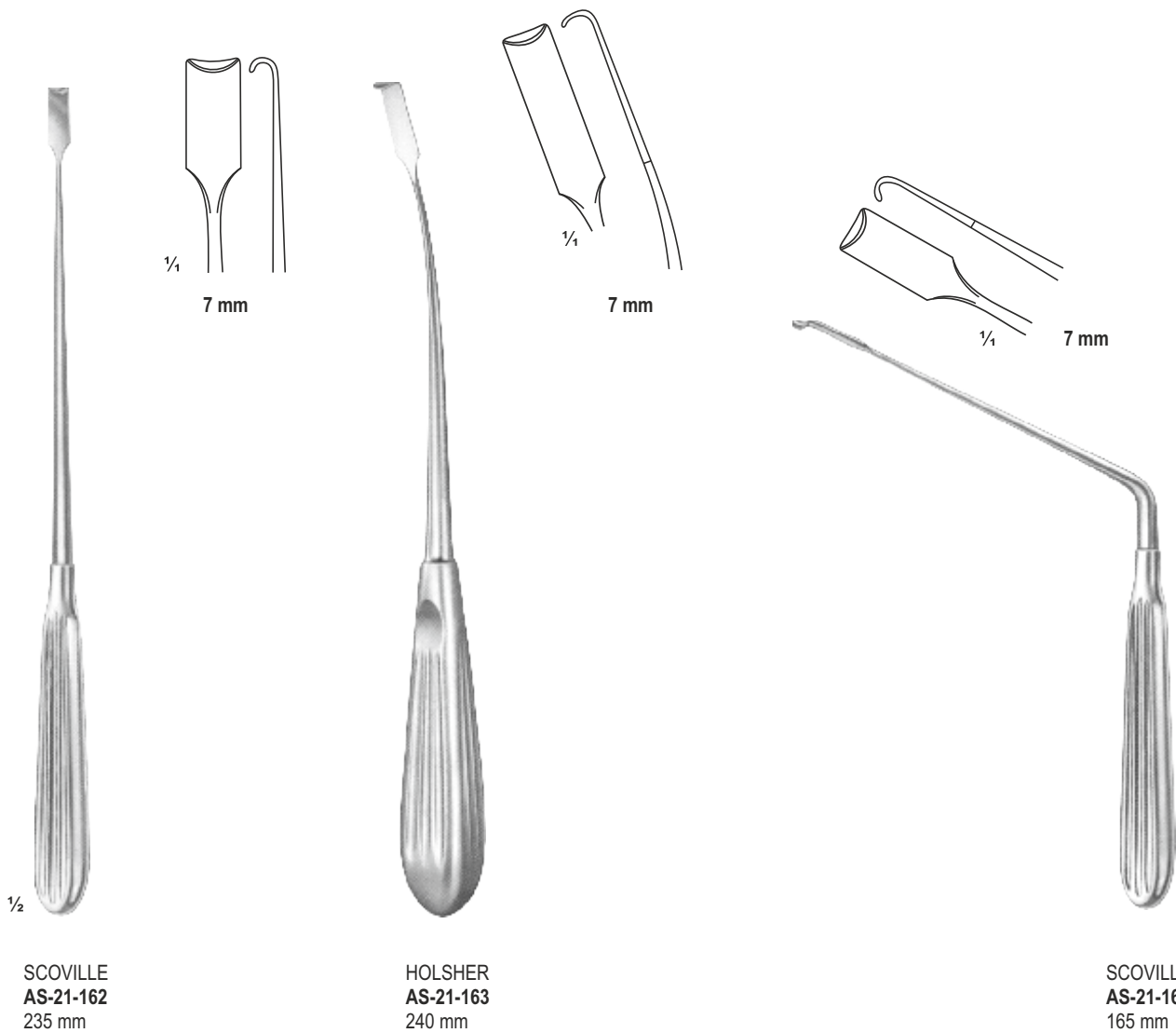
LOVE
Nerve Root Retractor
AS-21-155 - AS-21-157
AS-21-155 190 mm 30°
AS-21-156 190 mm 45°
AS-21-157 190 mm 90°

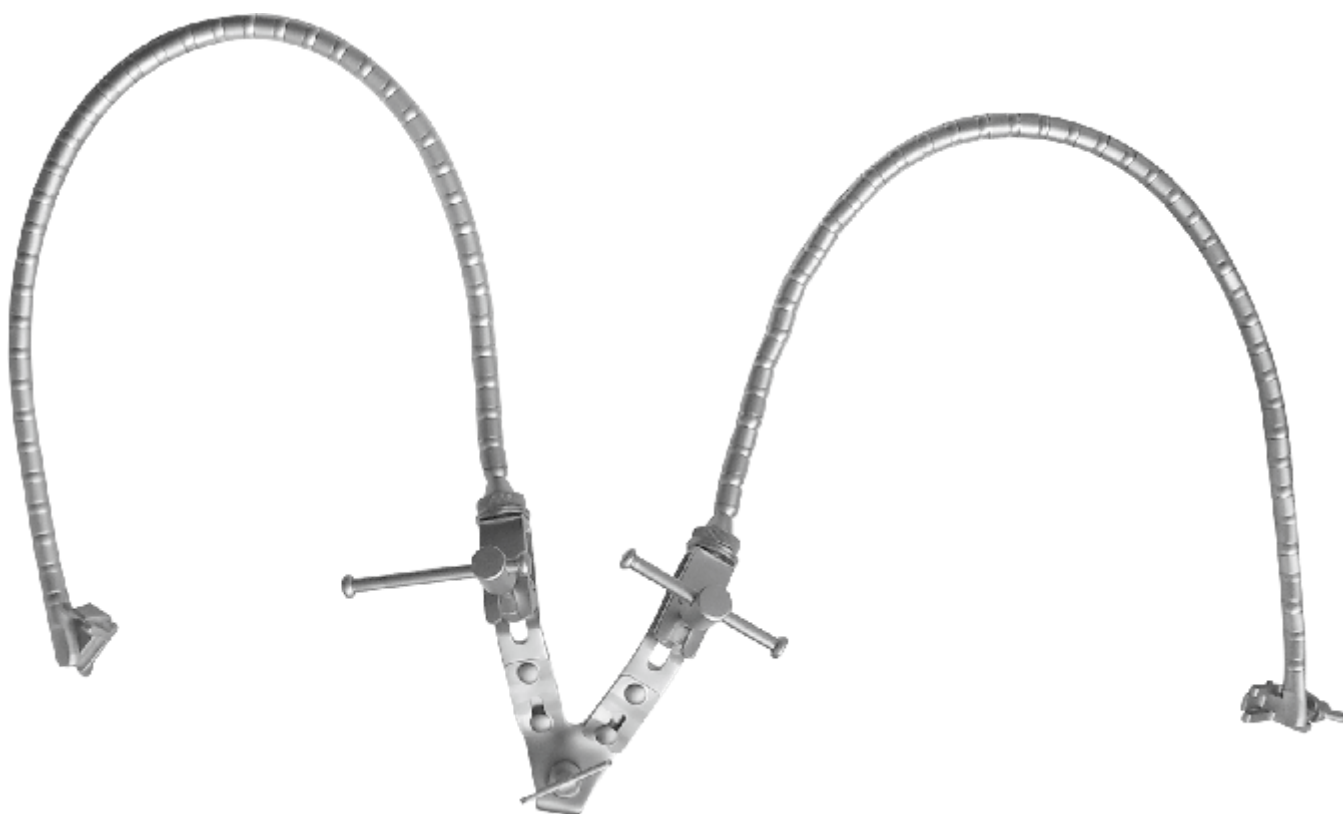


CASPAR
Nerve Root Retractor
AS-21-158 - AS-21-160
AS-21-158 245 mm 6 mm
AS-21-159 245 mm 8 mm
AS-21-160 245 mm 10 mm



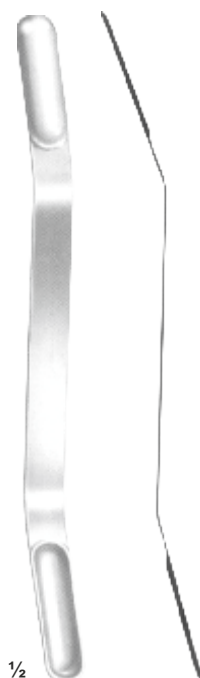
LOVE
AS-21-161
210 mm





LEYLA
AS-21-165
Self-Retaining brain retractor
with 2 arms complete

LEYLA BED RETRACTOR
AS-21-166
Self-Retaining brain retractor
bed retractor not illustrated



OLIVECRONA
AS-21-167 - AS-21-170
180 mm
Concave

AS-21-167 7 + 9 mm
AS-21-168 11 + 13 mm
AS-21-169 15 + 18 mm
AS-21-170 18 + 22 mm



AS-21-171
15.5 cm
11 mm

AS-21-172
20 cm
14 mm

AS-21-173
20 cm
17 mm

AS-21-174
20 cm
20 mm

HEIFETZ
AS-21-171 - AS-21-174



OLIVECRONA
AS-21-175 - AS-21-178
180 mm
Convex

AS-21-175 7 + 9 mm
AS-21-176 11 + 13 mm
AS-21-177 15 + 18 mm
AS-21-178 18 + 22 mm



AS-21-179
8 mm

AS-21-180
14 mm

AS-21-181
17 mm

HEIFETZ
AS-21-179 - AS-21-181
155 mm



CASPAR
AS-21-182
Transverse Retractor hinged
65 mm regular spread
110 mm wide spread



CASPAR
AS-21-183
Transverse Retractor double-hinged
65 mm spread



CASPAR
AS-21-184
Longitudinal Retractor
double-hinged, ring handle
205 mm
85 mm spread



CASPAR
AS-21-185
Specula Retractor single-hinged,
115 mm
70mm regular spread



AS-21-186 - AS-21-194
AS-21-187 23 x 35 mm
AS-21-188 23 x 40 mm
AS-21-189 23 x 45 mm
AS-21-190 23 x 50 mm
AS-21-191 23 x 55 mm
AS-21-192 23 x 60 mm
AS-21-193 23 x 65 mm
AS-21-194 23 x 70 mm
Medial Toothed Blades
Stainless Steel



AS-21-195 - AS-21-199
AS-21-195 15 x 40 mm
AS-21-196 15 x 45 mm
AS-21-197 15 x 50 mm
AS-21-198 15 x 55 mm
AS-21-199 15 x 60 mm
Small Lateral Blades
Stainless Steel



AS-21-200 - AS-21-206
AS-21-200 23 x 40 mm
AS-21-201 23 x 45 mm
AS-21-202 23 x 50 mm
AS-21-203 23 x 55 mm
AS-21-204 23 x 60 mm
AS-21-205 23 x 65 mm
AS-21-206 23 x 70 mm
Lateral Serrated Blades
Stainless Steel



Cervical Blades
Stainless Steel – fenestrated
AS-21-207 - AS-21-208
AS-21-207 25 x 50 mm
AS-21-208 25 x 60 mm



AS-21-209 - AS-21-217
AS-21-209 23 x 35 mm
AS-21-210 23 x 40 mm
AS-21-211 23 x 45 mm
AS-21-212 23 x 50 mm
AS-21-213 23 x 55 mm
AS-21-214 23 x 60 mm
AS-21-215 23 x 65 mm
AS-21-216 23 x 70 mm
AS-21-217 23 x 75 mm
Blunt Blades
Stainless Steel



AS-21-218 - AS-21-222
AS-21-218 23 x 40 mm
AS-21-219 23 x 45 mm
AS-21-220 23 x 50 mm
AS-21-221 23 x 55 mm
AS-21-222 23 x 60 mm
Medial Toothed Blades
Aluminium – rotatating



AS-21-223 - AS-21-227
AS-21-223 23 x 40 mm
AS-21-224 23 x 45 mm
AS-21-225 23 x 50 mm
AS-21-226 23 x 55 mm
AS-21-227 23 x 60 mm
Lateral Serrated Blades
Aluminium – rotatating



AS-21-228 - AS-21-232
AS-21-228 23 x 45 mm
AS-21-229 23 x 50 mm
AS-21-230 3 x 55 mm
AS-21-231 23 x 60 mm
AS-21-232 23 x 65 mm
Blunt Blades
Aluminium – rotatating



CASPAR
AS-21-233
Transverse Retractor hinged
65 mm spread



CASPAR
AS-21-234
Specula Retractor single-hinged
115 mm,
70 mm spread



CASPAR
AS-21-235
Longitudinal Retractor
single-hinged ring handle
175 mm
70 mm spread



AS-21-236 - AS-21-243
AS-21-236 20 x 40 mm
AS-21-237 20 x 45 mm
AS-21-238 20 x 50 mm
AS-21-239 20 x 55 mm
AS-21-240 20 x 60 mm
AS-21-241 20 x 65 mm
AS-21-242 20 x 70 mm
AS-21-243 20 x 75 mm
Medial Toothed Blades



AS-21-244 - AS-21-254
AS-21-244 20 x 25 mm
AS-21-245 20 x 30 mm
AS-21-246 20 x 35 mm
AS-21-247 20 x 40 mm
AS-21-248 20 x 45 mm
AS-21-249 20 x 50 mm
AS-21-250 20 x 55 mm
AS-21-251 20 x 60 mm
AS-21-252 20 x 65 mm
AS-21-253 20 x 70 mm
AS-21-254 20 x 75 mm
Lateral Serrated Blades



AS-21-255 - AS-21-264
AS-21-255 20 x 30 mm
AS-21-256 20 x 35 mm
AS-21-257 20 x 40 mm
AS-21-258 20 x 45 mm
AS-21-259 20 x 50 mm
AS-21-260 20 x 55 mm
AS-21-261 20 x 60 mm
AS-21-262 20 x 65 mm
AS-21-263 20 x 70 mm
AS-21-264 20 x 75 mm
Blunt Blades



AS-21-265 - AS-21-272
AS-21-265 20 x 35 mm
AS-21-266 20 x 40 mm
AS-21-267 20 x 45 mm
AS-21-268 20 x 50 mm
AS-21-269 20 x 55 mm
AS-21-270 20 x 60 mm
AS-21-271 20 x 65 mm
AS-21-272 0 x 70 mm
Medial Toothed Blades
fenestrated



AS-21-273 - AS-21-282
AS-21-273 20 x 25 mm
AS-21-274 20 x 30 mm
AS-21-275 20 x 35 mm
AS-21-276 20 x 40 mm
AS-21-277 20 x 45 mm
AS-21-278 20 x 50 mm
AS-21-279 20 x 55 mm
AS-21-280 20 x 60 mm
AS-21-281 20 x 65 mm
AS-21-282 20 x 70 mm
Lateral Serrated Blades
Fenestrated



AS-21-283 - AS-21-291
AS-21-283 20 x 35 mm
AS-21-284 20 x 40 mm
AS-21-285 20 x 45 mm
AS-21-286 20 x 50 mm
AS-21-287 20 x 55 mm
AS-21-288 20 x 60 mm
AS-21-289 20 x 65 mm
AS-21-290 20 x 70 mm
AS-21-291 20 x 75 mm
Blunt Blades Fenestrated



CASPAR
AS-21-292
Transverse Retractor hinged
60 mm spread



CASPAR
AS-21-293
Transverse Retractor double-hinged
65 mm spread



CASPAR
AS-21-294
Longitudinal Retractor
single-hinged ring handle
175 mm
70 mm spread



CASPAR
AS-21-295
Longitudinal Retractor
single-hinged ring handle
175 mm
70 mm spread



AS-21-296 - AS-21-302

AS-21-296 12 x 40 mm
AS-21-297 12 x 45 mm
AS-21-298 12 x 50 mm
AS-21-299 12 x 55 mm
AS-21-300 12 x 60 mm
AS-21-301 12 x 65 mm
AS-21-302 12 x 75 mm
Small Lateral Serrated
Blades PEEK



AS-21-303 - AS-21-309

AS-21-303 23 x 40 mm
AS-21-304 23 x 45 mm
AS-21-305 23 x 50 mm
AS-21-306 23 x 55 mm
AS-21-307 23 x 60 mm
AS-21-308 23 x 65 mm
AS-21-309 23 x 75 mm
Lateral Serrated Blades
PEEK



AS-21-310 - AS-21-316

AS-21-310 23 x 40 mm
AS-21-311 23 x 45 mm
AS-21-312 23 x 50 mm
AS-21-313 23 x 55 mm
AS-21-314 23 x 60 mm
AS-21-315 23 x 65 mm
AS-21-316 23 x 75 mm
Blunt Blades PEEK



AS-21-317 - AS-21-323

AS-21-317 23 x 40 mm
AS-21-318 23 x 45 mm
AS-21-319 23 x 50 mm
AS-21-320 23 x 55 mm
AS-21-321 23 x 60 mm
AS-21-322 23 x 65 mm
AS-21-323 23 x 75 mm
Medial Toothed Blades
PEEK



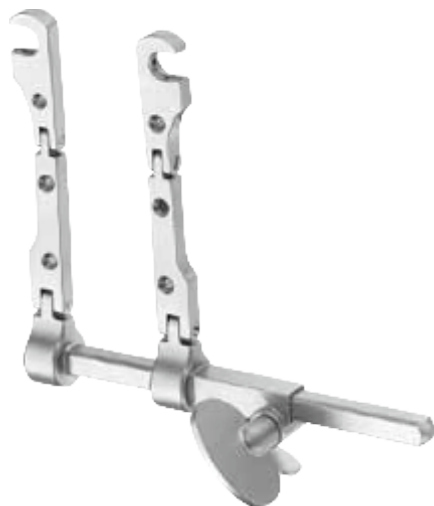
AS-21-324 - AS-21-330

AS-21-324 23 x 40 mm
AS-21-325 23 x 45 mm
AS-21-326 23 x 50 mm
AS-21-327 23 x 55 mm
AS-21-328 23 x 60 mm
AS-21-329 23 x 65 mm
AS-21-330 23 x 75 mm
Lateral Serrated Blades
PEEK – rotating



AS-21-331 - AS-21-337

AS-21-331 23 x 40 mm
AS-21-332 23 x 45 mm
AS-21-333 23 x 50 mm
AS-21-334 23 x 55 mm
AS-21-335 23 x 60 mm
AS-21-336 23 x 65 mm
AS-21-337 23 x 75 mm
Blunt Blades
PEEK – rotating



CASPAR
AS-21-338
Transverse Retractor double-hinged
quick connect 72 mm spread, side-loading



CASPAR
AS-21-339
Longitudinal Retractor double-hinged,
ring handle, quick connect
185 mm
75 mm spread, side-loading



CASPAR
AS-21-340
Specula Retractor single-hinged,
quick connect
115 mm
70 mm spread, side-loading



CASPAR
AS-21-341
Quick Connect Blade
Positioner Handle
210 mm
for quick connect
blades only



AS-21-342 - AS-21-346
AS-21-342 23 x 40 mm
AS-21-343 23 x 45 mm
AS-21-344 23 x 50 mm
AS-21-345 23 x 55 mm
AS-21-346 23 x 60 mm
Medial Toothed Blades
Stainless Steel
quick connect



AS-21-347 - AS-21-351
AS-21-347 23 x 40 mm
AS-21-348 23 x 45 mm
AS-21-349 23 x 50 mm
AS-21-350 23 x 55 mm
AS-21-351 23 x 60 mm
Lateral Serrated Blades
Stainless Steel
quick connect



AS-21-352 - AS-21-356
AS-21-352 23 x 45 mm
AS-21-353 23 x 50 mm
AS-21-354 23 x 55 mm
AS-21-355 23 x 60 mm
AS-21-356 23 x 65 mm
Blunt Lateral
Blades
Stainless Steel
quick connect



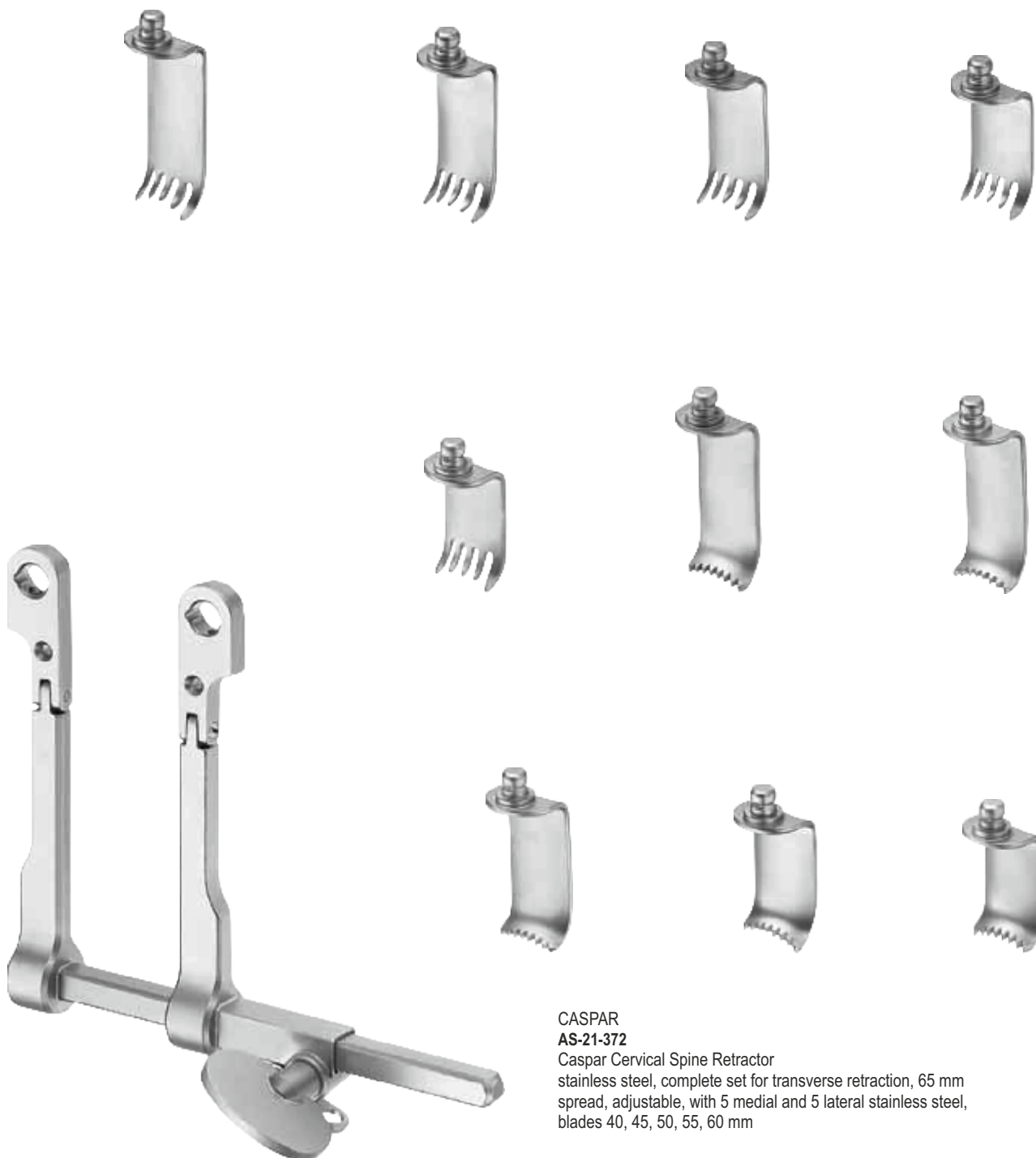
AS-21-357 - AS-21-361
AS-21-357 23 x 40 mm
AS-21-358 23 x 45 mm
AS-21-359 23 x 50 mm
AS-21-360 23 x 55 mm
AS-21-361 23 x 60 mm
Medial Toothed Blades
Titanium
quick connect



AS-21-362 - AS-21-366
AS-21-362 23 x 40 mm
AS-21-363 23 x 45 mm
AS-21-364 23 x 50 mm
AS-21-365 23 x 55 mm
AS-21-366 23 x 60 mm
Lateral Serrated Blades
Titanium
quick connect



AS-21-367 - AS-21-371
AS-21-367 23 x 45 mm
AS-21-368 23 x 50 mm
AS-21-369 23 x 55 mm
AS-21-370 23 x 60 mm
AS-21-371 23 x 65 mm
Blunt Blades
Titanium
quick connect



CASPAR

AS-21-372

Caspar Cervical Spine Retractor
stainless steel, complete set for transverse retraction, 65 mm
spread, adjustable, with 5 medial and 5 lateral stainless steel,
blades 40, 45, 50, 55, 60 mm

AS-21-373

Ti Caspar Cervical Spine Retractor
titanium, complete set for transverse retraction, 65 mm
spread, adjustable, with 5 medial and 5 lateral titanium
blades 40, 45, 50, 55, 60 mm



CASPAR
AS-21-374
Caspar Microdiscectomy Retractor
for microsurgical treatment of
herniated lumbar discs
45 mm spread



AS-21-375 - AS-21-383
AS-21-375 35 mm
AS-21-376 40 mm
AS-21-377 45 mm
AS-21-378 50 mm
AS-21-379 55 mm
AS-21-380 60 mm
AS-21-381 65 mm
AS-21-382 75 mm
AS-21-383 85 mm
 Lateral Blades



AS-21-384 - AS-21-390
AS-21-384 40 mm
AS-21-385 45 mm
AS-21-386 50 mm
AS-21-387 55 mm
AS-21-388 60 mm
AS-21-389 65 mm
AS-21-390 70 mm
 Paraspina Blades



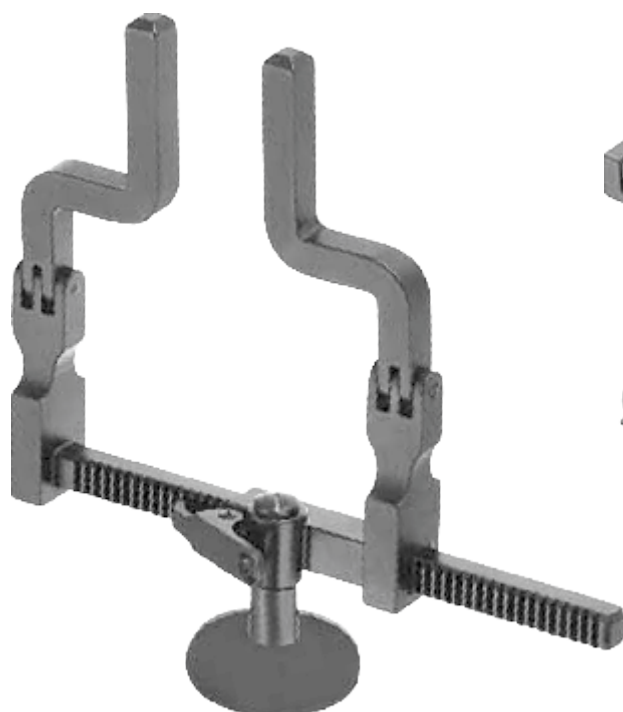
CASPAR
AS-21-391 - AS-21-400
AS-21-391 40 mm
AS-21-392 45 mm
AS-21-393 50 mm
AS-21-394 55 mm
AS-21-395 60 mm
AS-21-396 65 mm
AS-21-397 70 mm
AS-21-398 75 mm
AS-21-399 80 mm
AS-21-400 85 mm
 Lumbar Speculum
 fenestrated



AS-21-405 - AS-21-410
AS-21-405 20 x 30 mm
AS-21-406 20 x 40 mm
AS-21-407 20 x 50 mm
AS-21-408 20 x 60 mm
AS-21-409 20 x 70 mm
AS-21-410 20 x 80 mm
 McCulloch 4-teeth
 Narrow Muscle Blades



AS-21-411 - AS-21-416
AS-21-411 20 x 30 mm
AS-21-412 20 x 40 mm
AS-21-413 20 x 50 mm
AS-21-414 20 x 60 mm
AS-21-415 20 x 70 mm
AS-21-416 20 x 80 mm
 McCulloch 6-teeth
 Wide Muscle Blades



CASPAR
 McCulloch Lumbar Spine Retractor for Microdiscectomy,
 black silicone bead
AS-21-401 68 mm spread, hinged
AS-21-402 68 mm spread, rigid
AS-21-403 90 mm spread, rigid
 McCulloch Lumbar Spine Retractor Tray
AS-21-404 Tray 265 x 265 mm for Container (not illustrated)



AS-21-417 - AS-21-422
AS-21-417 20 x 30 mm
AS-21-418 20 x 40 mm
AS-21-419 20 x 50 mm
AS-21-420 20 x 60 mm
AS-21-421 20 x 70 mm
AS-21-422 20 x 80 mm
 McCulloch 2-teeth
 Thin Muscle Blades



AS-21-423 - AS-21-430
AS-21-423 20 mm
AS-21-424 30 mm
AS-21-425 40 mm
AS-21-426 50 mm
AS-21-427 60 mm
AS-21-428 70 mm
AS-21-429 80 mm
AS-21-430 90 mm
 McCulloch Hook Blades



AS-21-431 - AS-21-438
AS-21-431 20 mm
AS-21-432 30 mm
AS-21-433 40 mm
AS-21-434 50 mm
AS-21-435 60 mm
AS-21-436 70 mm
AS-21-437 80 mm
AS-21-438 90 mm
 McCulloch toothed
 Hook Blades



AS-21-439 - AS-21-441
AS-21-439 20 x 50 mm
AS-21-440 20 x 60 mm
AS-21-441 20 x 70 mm
 McCulloch 2-teeth
 Cervical Blades



CASPAS

AS-21-442 - AS-21-443

Caspas Vertebral Column Retractor

for Laminectomy and Hemilaminectomy (Lumbar, Thoracic, Cervical), stainless steel, complete set, 145 mm spread,

AS-21-442 125 mm arms, consisting of

AS-21-443 145 mm spread, hinged includes Screw Driver for spreading bar



CASPAS

AS-21-444

Screw driver four spreading bar



CASPAS

AS-21-445

Blade Changing Forceps 115 mm



AS-21-446 - AS-21-447

AS-21-446 38 mm

AS-21-447 58 mm



AS-21-448 - AS-21-455

AS-21-448 22 x 32 mm

AS-21-449 22 x 37 mm

AS-21-450 22 x 43 mm

AS-21-451 22 x 47 mm

AS-21-452 22 x 52 mm

AS-21-453 22 x 57 mm

AS-21-454 22 x 62 mm

AS-21-455 22 x 67 mm



AS-21-456 - AS-21-463

AS-21-456 37 x 32 mm

AS-21-457 37 x 37 mm

AS-21-458 37 x 43 mm

AS-21-459 37 x 47 mm

AS-21-460 37 x 52 mm

AS-21-461 37 x 57 mm

AS-21-462 37 x 62 mm

AS-21-463 37 x 67 mm



AS-21-464 - AS-21-471

AS-21-464 57 x 32 mm

AS-21-465 57 x 37 mm

AS-21-466 57 x 43 mm

AS-21-467 57 x 47 mm

AS-21-468 57 x 52 mm

AS-21-469 57 x 57 mm

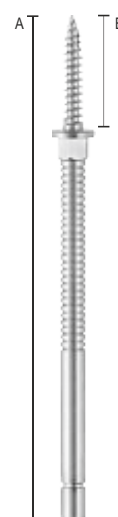
AS-21-470 57 x 62 mm

AS-21-471 57 x 67 mm



CASPAR
AS-21-472

Distractor only for use in surgical procedures from the left approach the right approach for the upper cervical spine Distractor as above but with elongated toothed bar for multilevel (more than 2) distraction



DISTRACTION PIN A/B
AS-21-473 - AS-21-476
AS-21-473 66/12 mm
AS-21-474 68/14 mm
AS-21-475 70/16 mm
AS-21-476 72/18 mm



TWIST DRILL
AS-21-477



DRILL GUIDE
AS-21-478

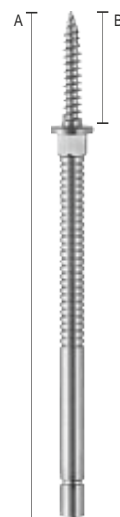


SCREW DRIVER
AS-21-479



CASPAR
AS-21-480

Distractor only for use in surgical procedures from the left approach the right approach for the upper cervical spine Distractor as above but with elongated toothed bar for multilevel (more than 2) distraction



DISTRACTION PIN A/B
AS-21-481 - AS-21-484
AS-21-481 66/12 mm
AS-21-482 68/14 mm
AS-21-483 70/16 mm
AS-21-484 72/18 mm



TWIST DRILL
AS-21-485



DRILL GUIDE
AS-21-486



SCREW DRIVER
AS-21-487



CLOWARD-TYPE
AS-21-488
Vertebra Spreaders
130 mm
18 mm spread



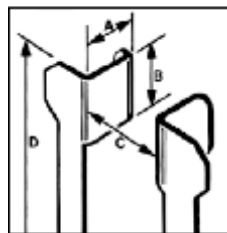
AS-21-489
one pointed tip
70 mm
arm, 80 mm spread



three pointed tips
AS-21-490
850 mm arm,
70 mm spread
AS-21-491
100 mm
arm, 70 mm spread



INGE
Lamina Spreaders
AS-21-492 - AS-21-493
AS-21-492 165 mm
AS-21-493 270 mm



SCOVILLE-HAVERFIELD

	A	B	C	D
AS-21-494	50 mm	35 mm	140 mm	140 mm
	50 mm			
with 1 each blade 29-3165.50 and 29-3162.51				
Frame only, hinged:				
AS-21-495			140 mm	140 mm



Toothed:

AS-21-502 - AS-21-507	
AS-21-502	63 mm x 26 mm
AS-21-503	66 mm x 30 mm
AS-21-504	89 mm x 26 mm
AS-21-505	51 mm x 51 mm
AS-21-506	63 mm x 51 mm
AS-21-507	76 mm x 51 mm



3-prongs:

AS-21-496	44 mm x 38 mm
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4-prongs:

AS-21-497 - AS-21-501	
AS-21-497	41 mm x 38 mm
AS-21-498	66 mm x 48 mm
AS-21-499	48 mm x 51 mm
AS-21-500	63 mm x 63 mm
AS-21-501	82 mm x 58 mm



Hook-shaped, blunt:

AS-21-508 - AS-21-509	
AS-21-508	50 mm
AS-21-509	75 mm



Williams
AS-21-510
for microsurgical treatment
of herniated discs
170 mm
w = 10 mm
AS-21-511 10 x 50 mm
AS-21-512 10 x 60 mm
AS-21-513 10 x 70 mm

w = 20 mm
AS-21-514 20 x 50 mm
AS-21-515 20 x 60 mm
AS-21-516 20 x 70 mm



Williams
AS-21-517
for microsurgical treatment
of herniated discs
170 mm
w = 10 mm
AS-21-518 10 x 50 mm
AS-21-519 10 x 60 mm
AS-21-520 10 x 70 mm

w = 20 mm
AS-21-521 20 x 50 mm
AS-21-522 20 x 60 mm
AS-21-523 20 x 70 mm



CLOWARD-TYPE
AS-21-524
with slide lock Cervical Retractor Set with
slide-lock complete with 14 blades, 25 cm
AS-21-525 – AS-21-526
AS-21-527 Retractor Body only (without blades), 25 cm



AS-21-528
Cervical Retractor Set with
slide-lock complete with 14 blades, 16 cm
AS-21-529 – AS-21-530
AS-21-531 Retractor Body only (without blades),
160 mm



AS-21-532 - AS-21-538
AS-21-532 25 mm
AS-21-533 30 mm
AS-21-534 35 mm
AS-21-535 40 mm
AS-21-536 45 mm
AS-21-537 50 mm
AS-21-538 55 mm
blunt



AS-21-539 - AS-21-545
AS-21-539 25 mm
AS-21-540 30 mm
AS-21-541 35 mm
AS-21-542 40 mm
AS-21-543 45 mm
AS-21-544 50 mm
AS-21-545 55 mm
blunt

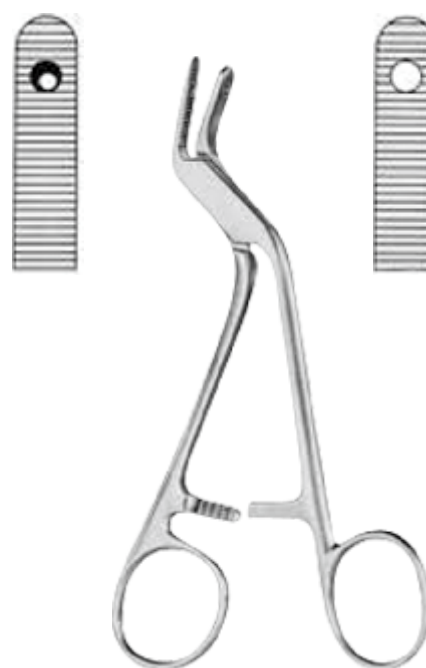
Galea Hooks



YASARGIL
AS-21-546
31 cm

YASARGIL
AS-21-547
41 cm

Dura Protecting Forceps



ADSON
AS-21-548
15 cm



AS-21-549
Silver Wires Mckenzie

Elio Carrier



MCKENZIE
AS-21-550
148x40x60 mm
One Clip Holding

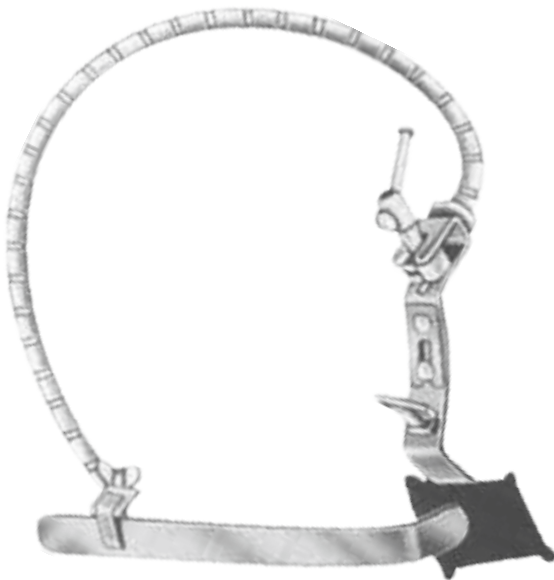


MCKENZIE
AS-21-551
190x48x13 mm
Two Clips Holding

Silver Clips



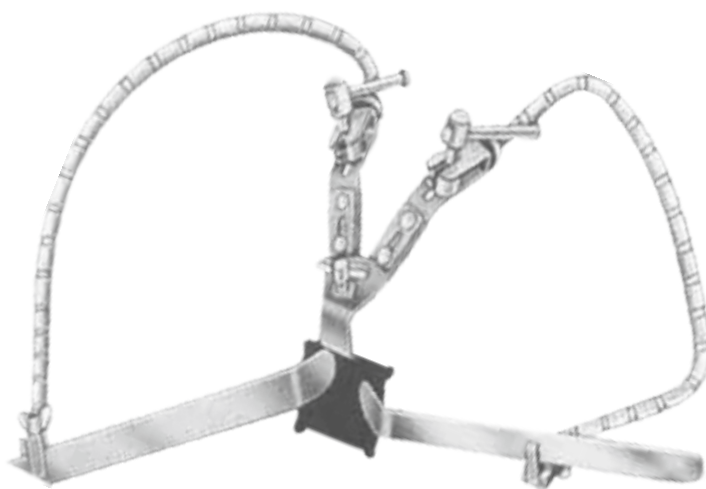
AS-21-552



AS-21-553
Complete Brain Ttractor
Set With 1 Arm



AS-21-554
Complete Brain Ttractor
Set With 2 Arm



AS-21-555
Complete Set





AS-21-556
Ball and Socket Joint



AS-21-557
Holding Rod, Head



AS-21-558
Coupling Head



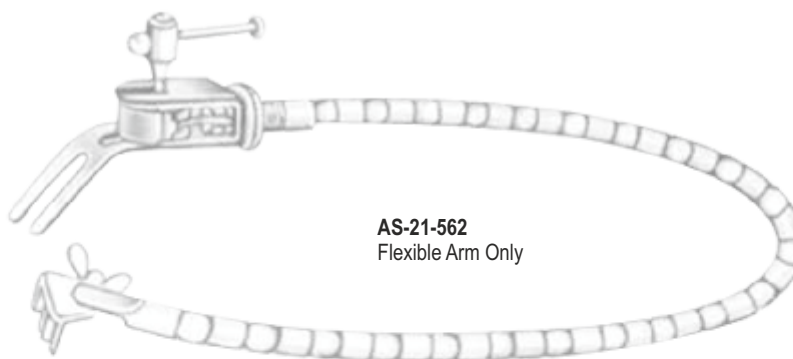
AS-21-559
Fixation Base for skull
Mounting Holding 1
Flexible Arm



AS-21-560
Fixation Base for skull
Mounting, Holding 2
Flexible Arms



AS-21-561
Fixation Base for
Mounting to 16 mm Dia.
Holding 1 Flexible Arm



AS-21-562
Flexible Arm Only



AS-21-563
Support for Flat
Brain Spatula



AS-21-564
Support for Brain Spatula
With Round Shaft

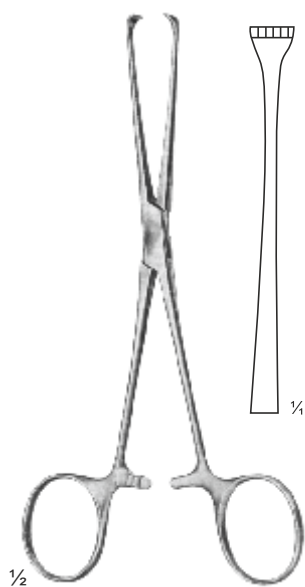


AS-21-565
Holded for Ear Spatula

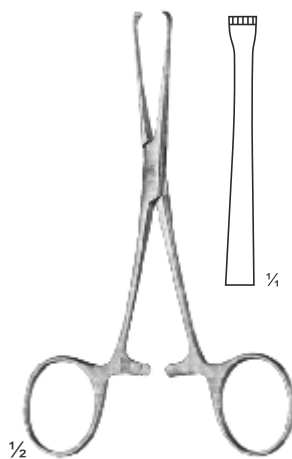


Page 500–534

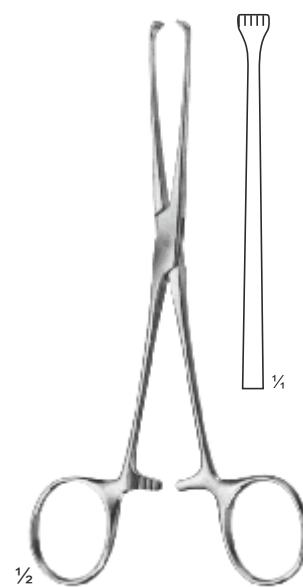
- Abdominal Surgery
- Intestinal and Rectal Instruments



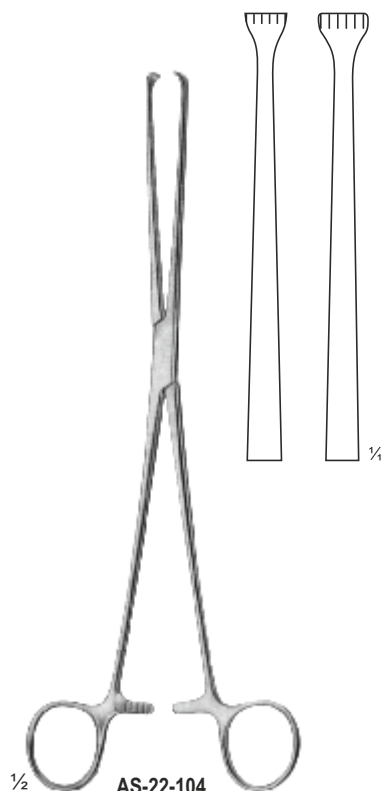
AS-22-101
BOYS-ALLIS
5 X 6 teeth, sharp
155 mm,



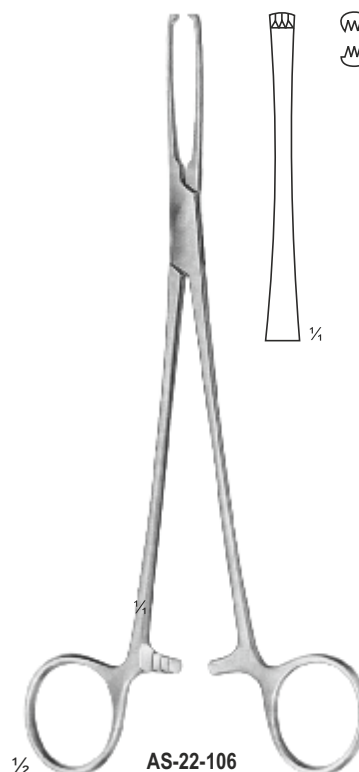
AS-22-102
ALLIS
4 X 5 teeth
155 mm,



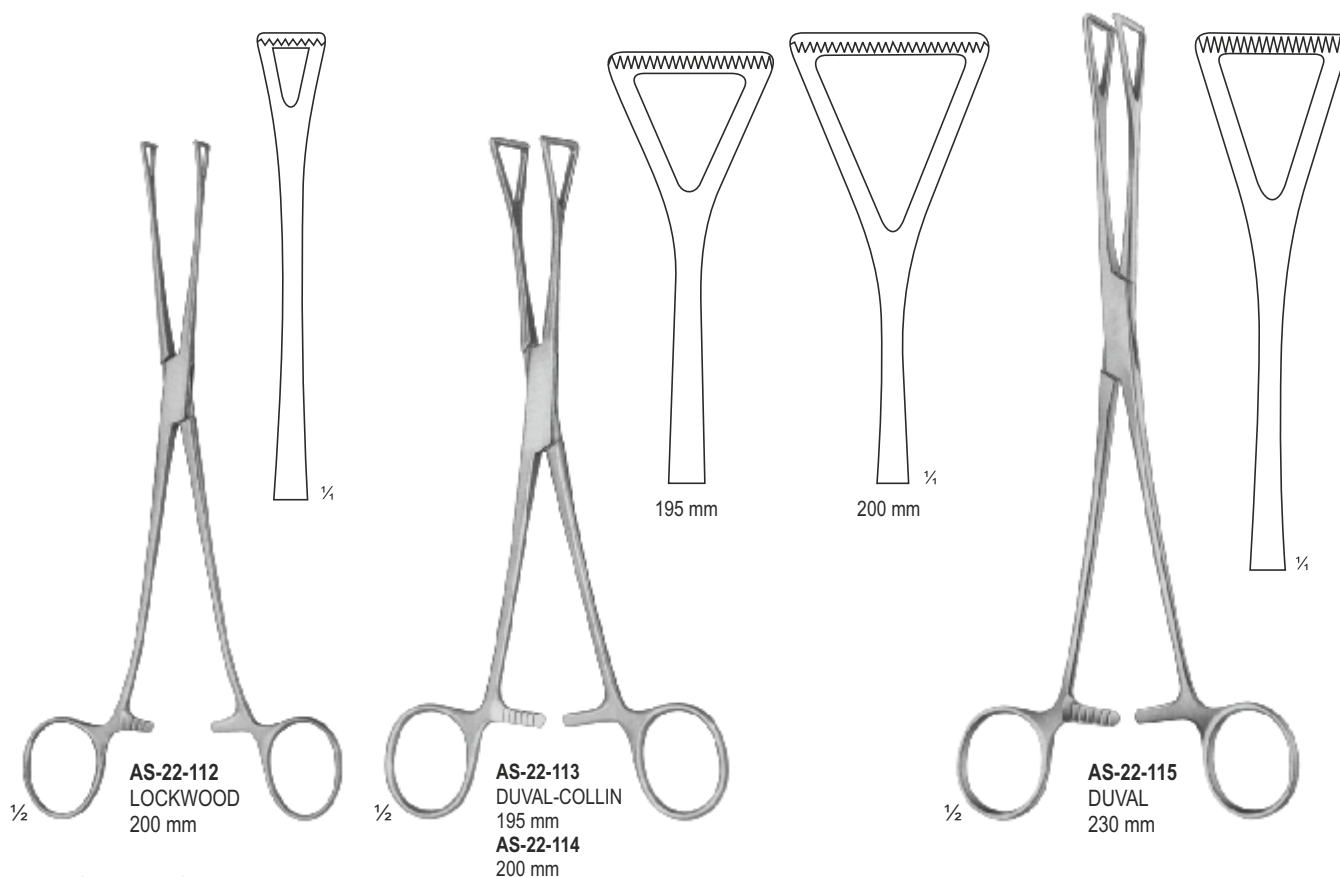
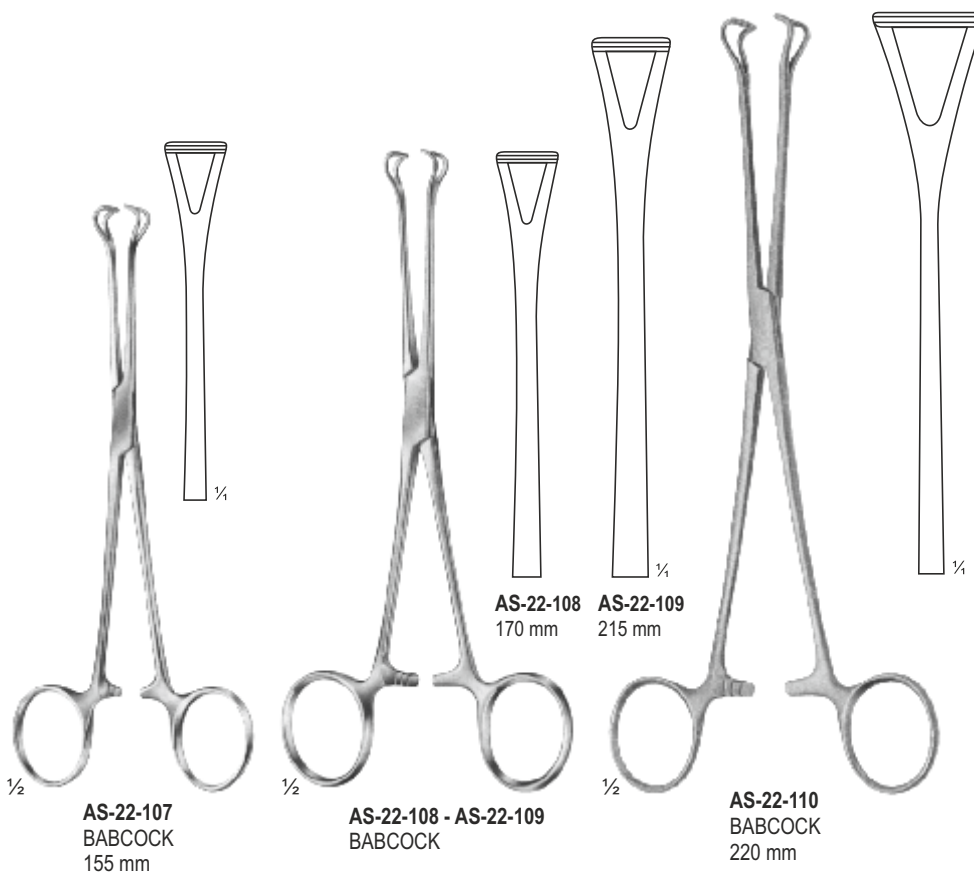
AS-22-103
ALLIS
155 mm,
4 X 5 teeth

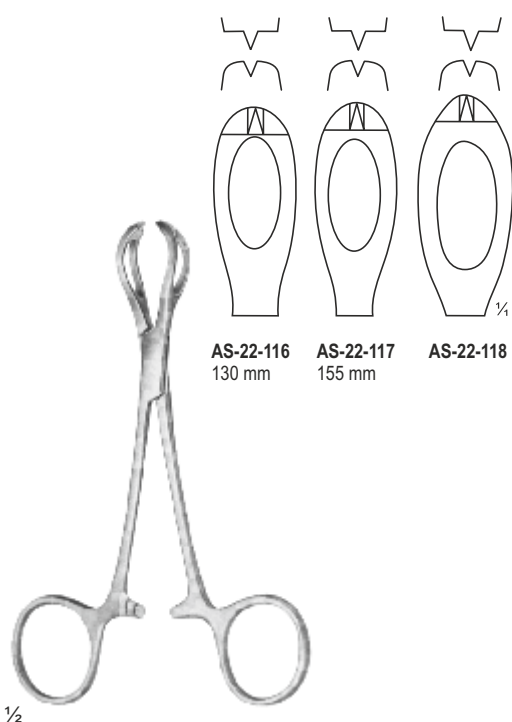


AS-22-104
ALLIS
190 mm,
AS-22-105
255 mm,
5 X 6 teeth

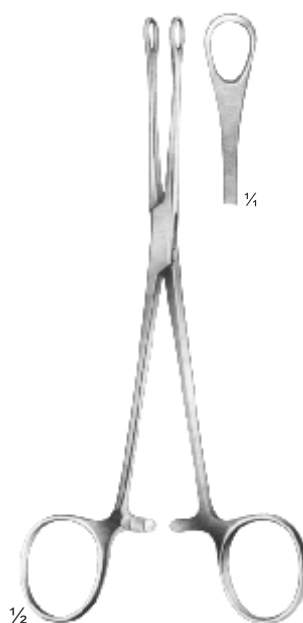


AS-22-106
JUDD-ALLIS
3 X 4 teeth
195 mm,





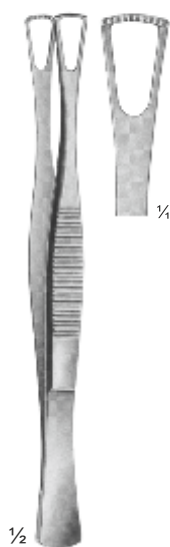
AS-22-116 - AS-22-118
LANE



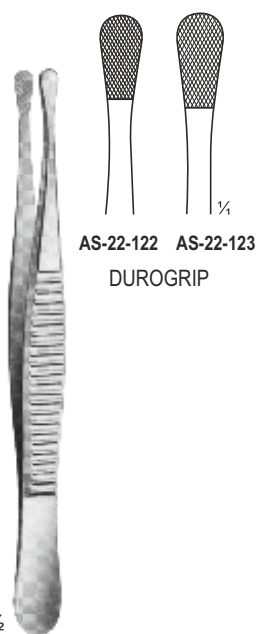
AS-22-119
WILLIAMS
160 mm



AS-22-120
DENIS
BROWNE
190 mm



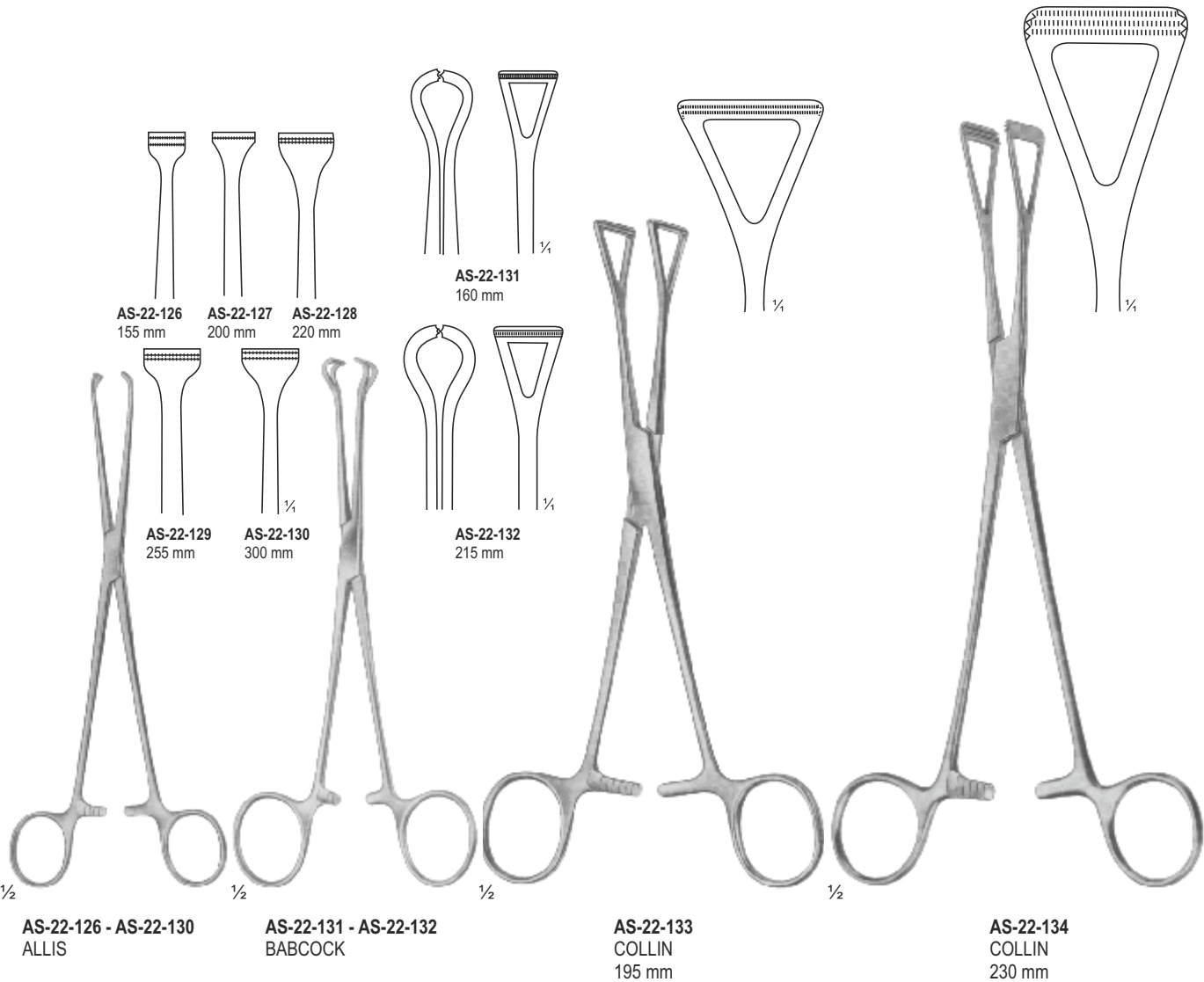
AS-22-121
DUVAL
140 mm

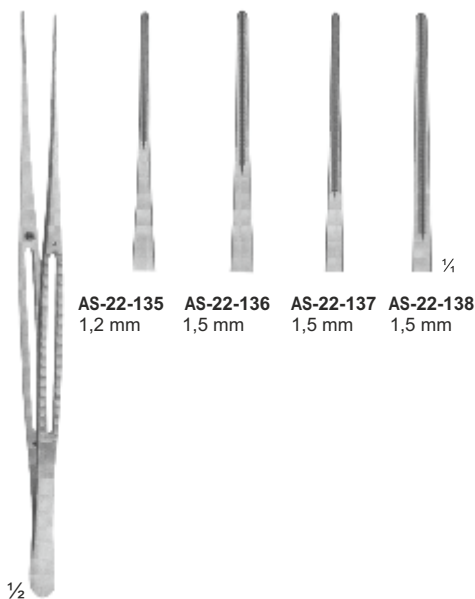


AS-22-122
WANGENSTEEN
150 mm
AS-22-123
230 mm

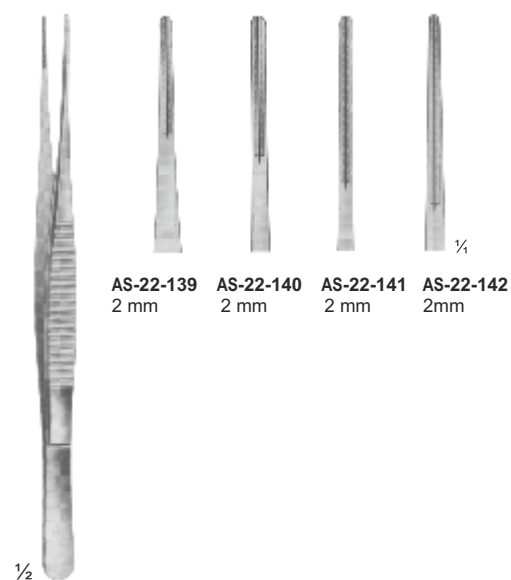


AS-22-124
WANGENSTEEN
150 mm
AS-22-125
230 mm

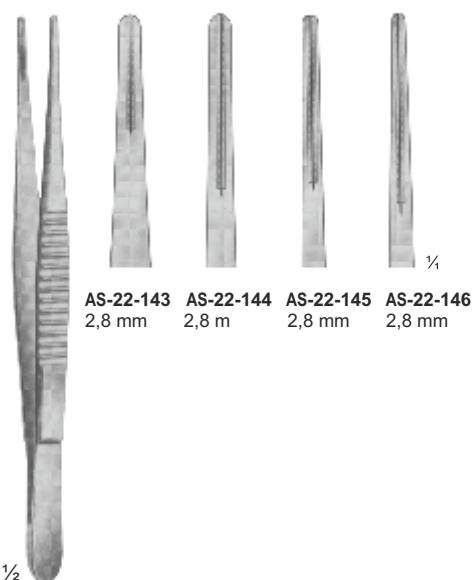




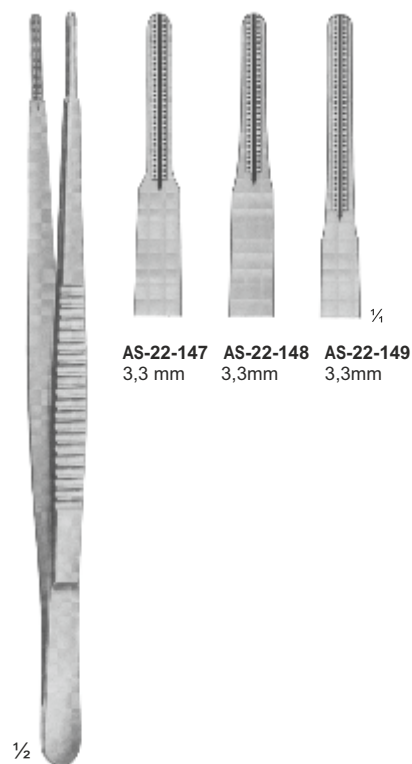
AS-22-135 150 mm
AS-22-136 200 mm
AS-22-137 240 mm
AS-22-138 300 mm



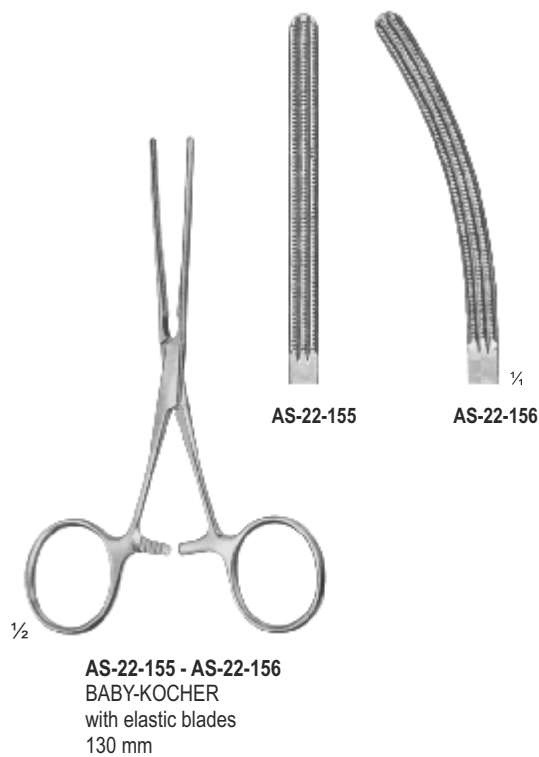
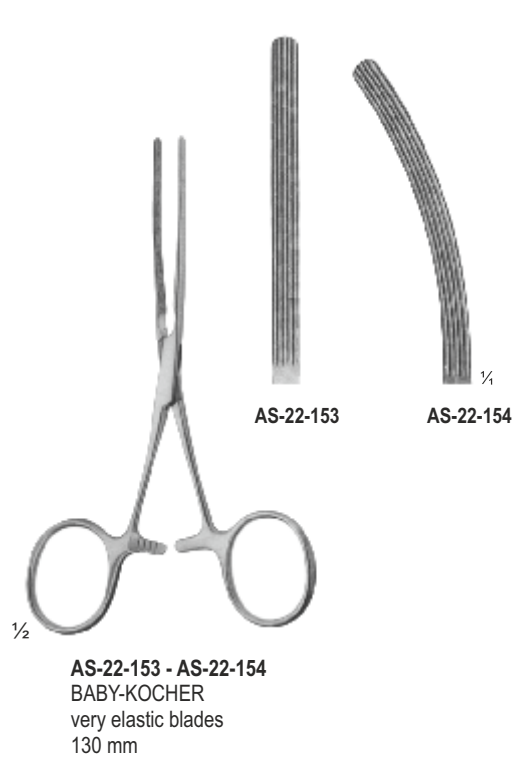
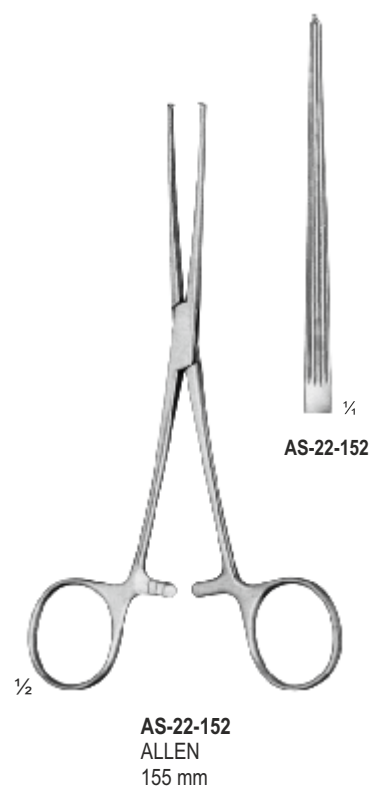
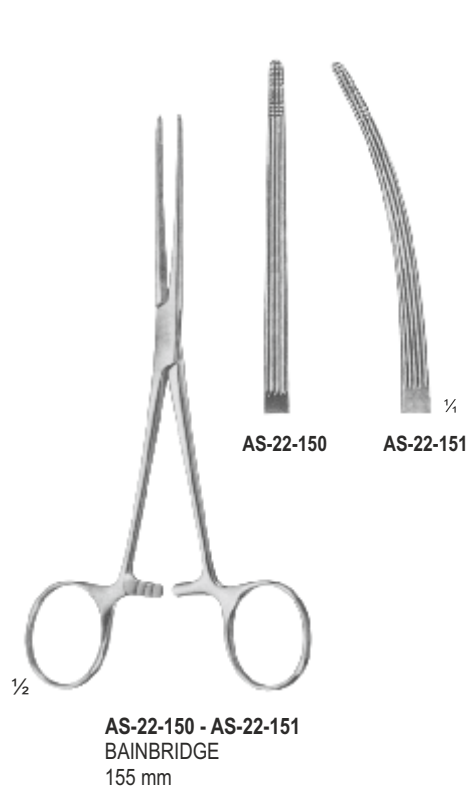
DE BAKEY
AS-22-139 150 mm
AS-22-140 200 mm
AS-22-141 240 mm
AS-22-142 300 mm

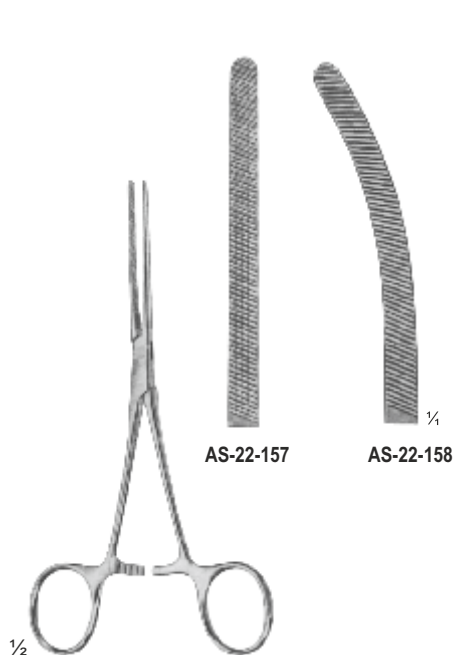


DE BAKEY
AS-22-143 150 mm
AS-22-144 200 mm
AS-22-145 240 mm
AS-22-146 300 mm

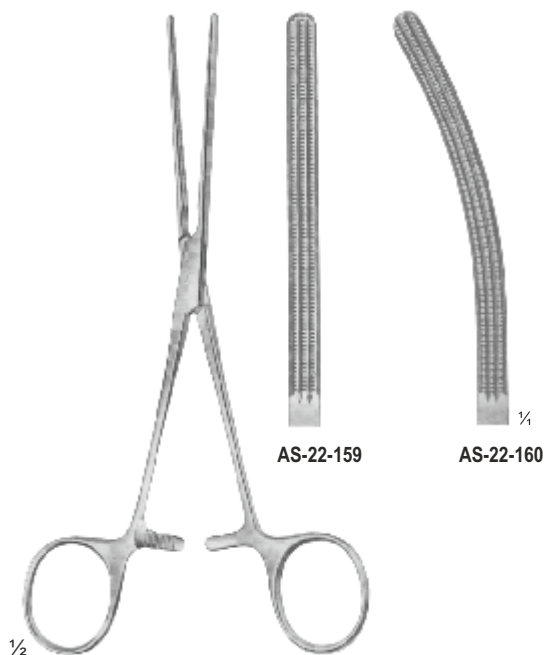


DE BAKEY
AS-22-147 200 mm
AS-22-148 240 mm
AS-22-149 300 mm

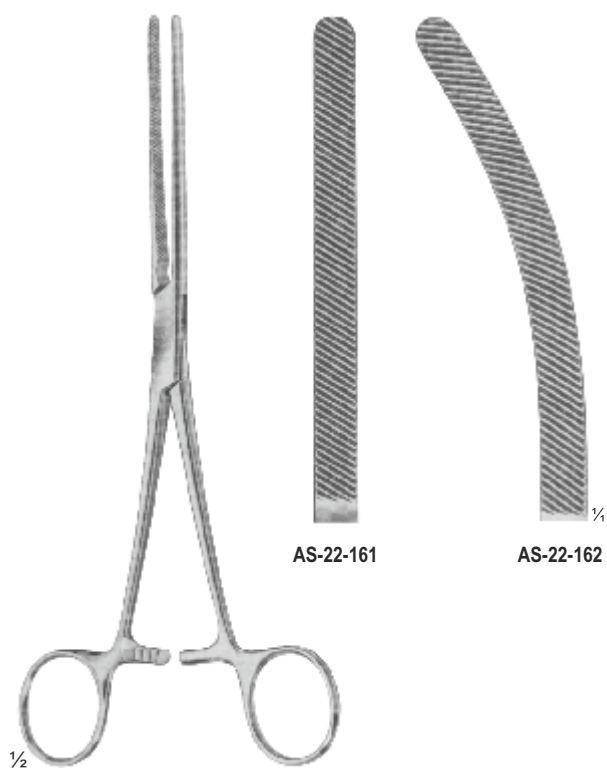




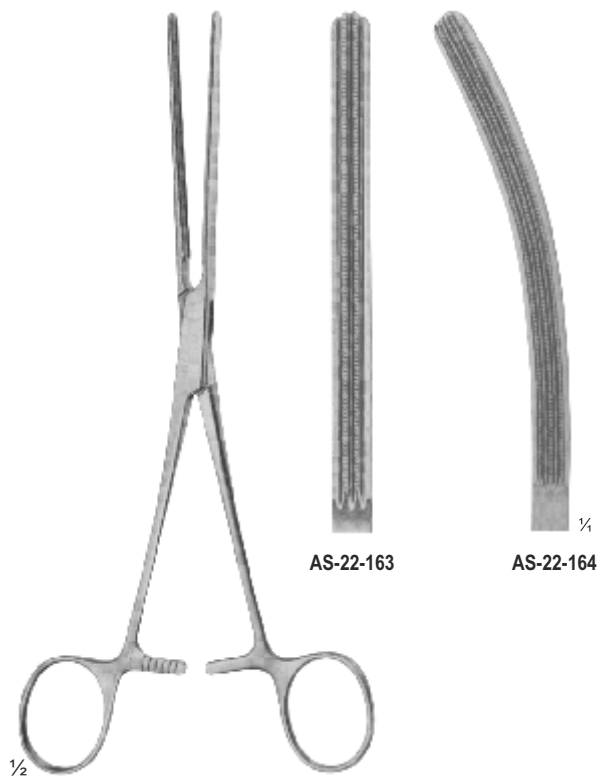
AS-22-157 - AS-22-158
DOYEN
elastic
165 mm



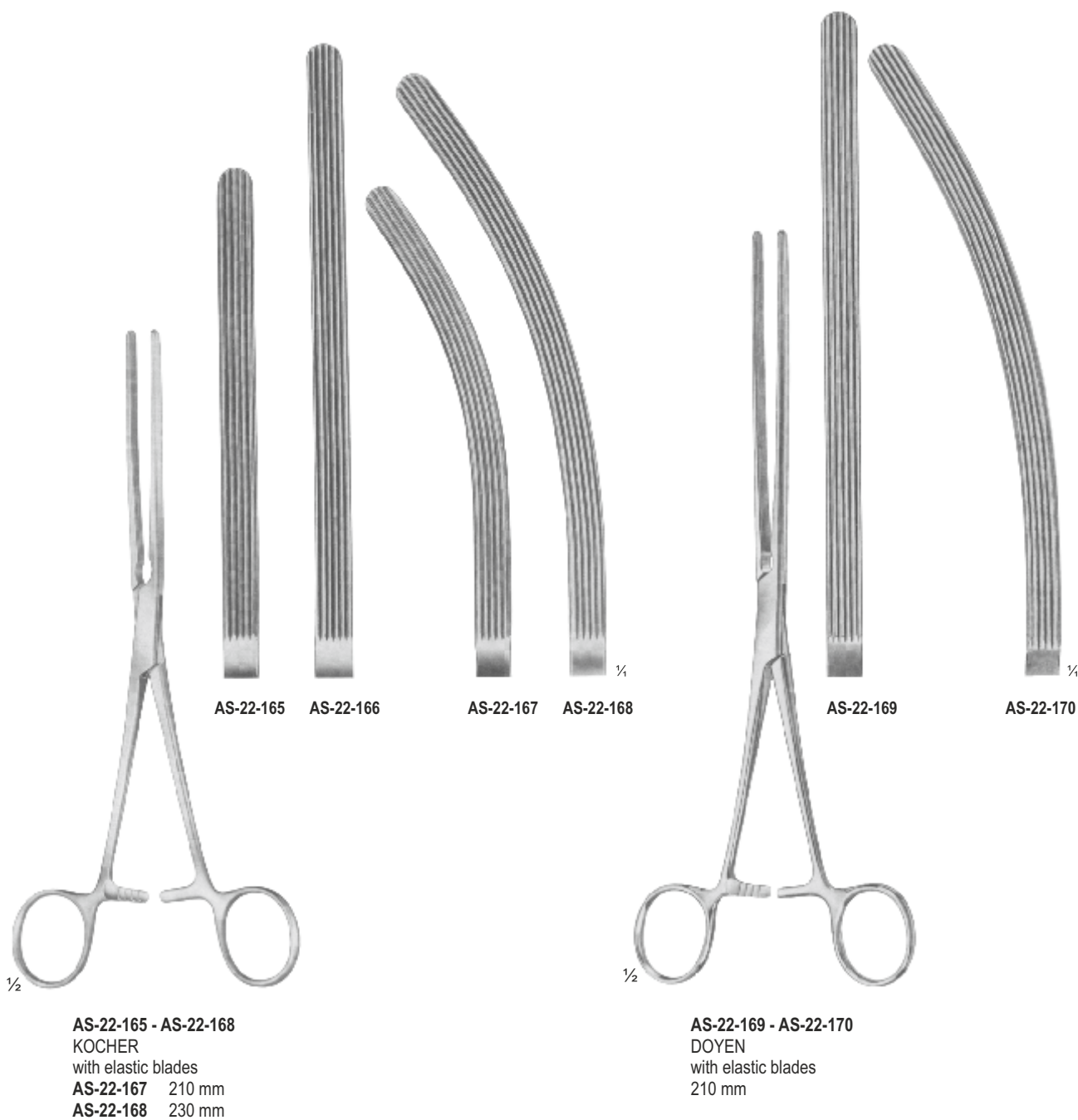
AS-22-159 - AS-22-160
DOYEN
with elastic blades
170 mm



AS-22-161 - AS-22-162
HARTMANN
with elastic blades
200 mm

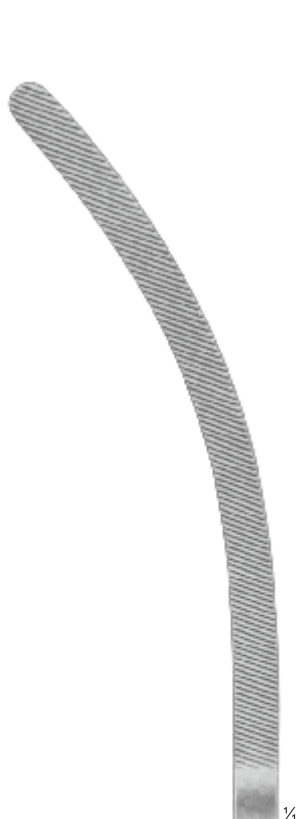


AS-22-163 - AS-22-164
HARTMANN
with elastic blades
200 mm

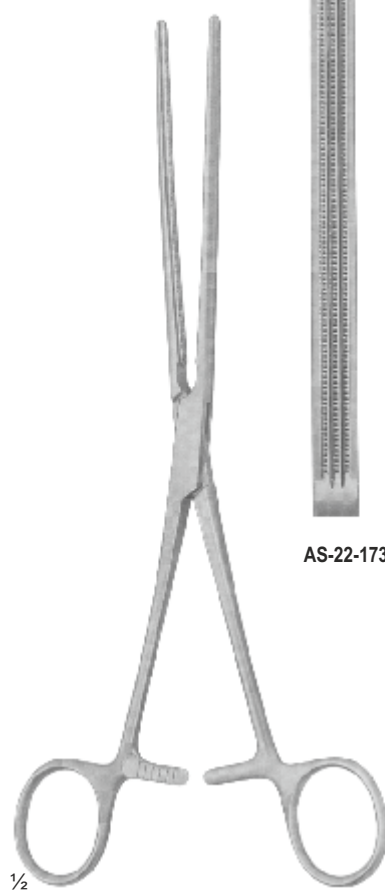




AS-22-171



AS-22-172



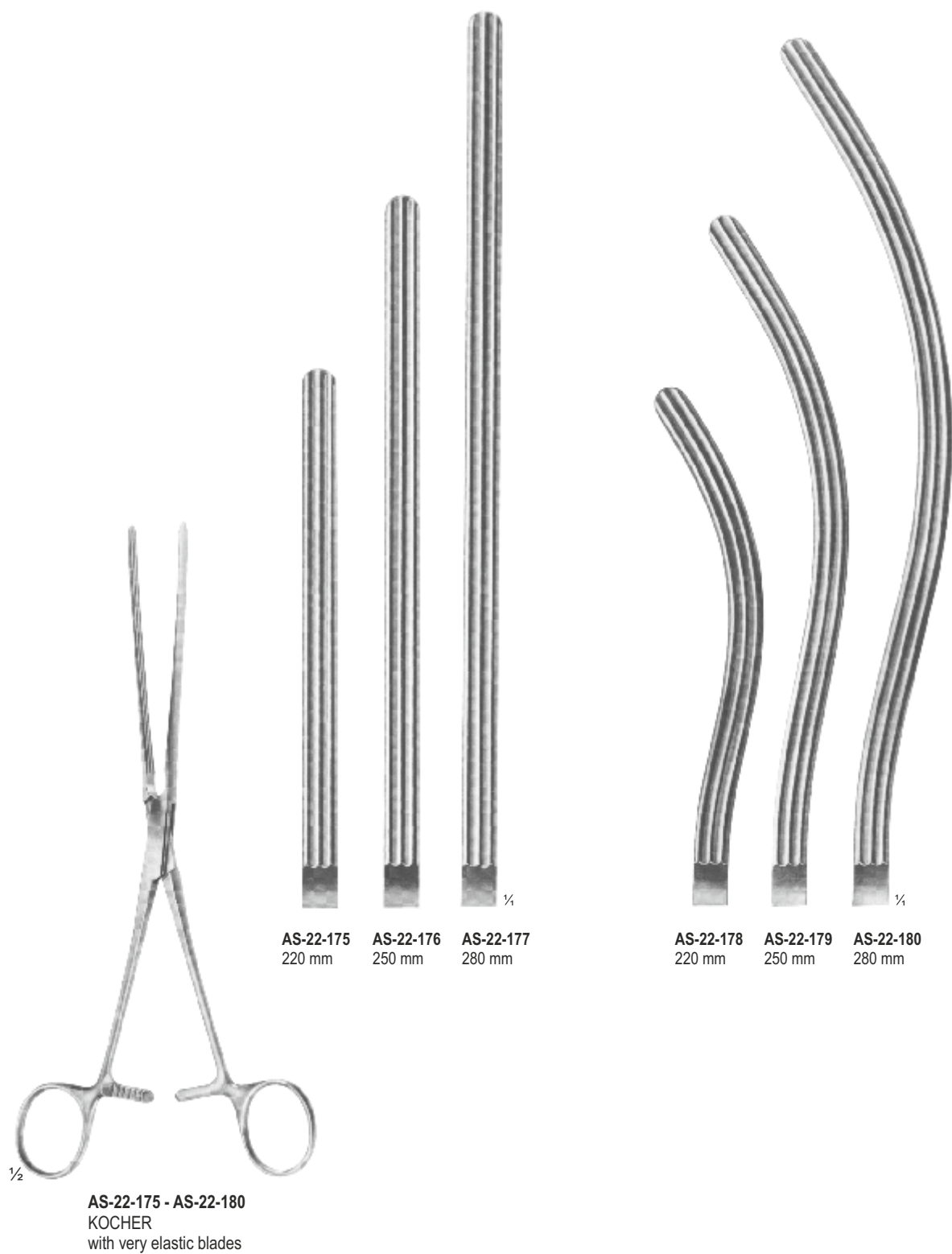
AS-22-173

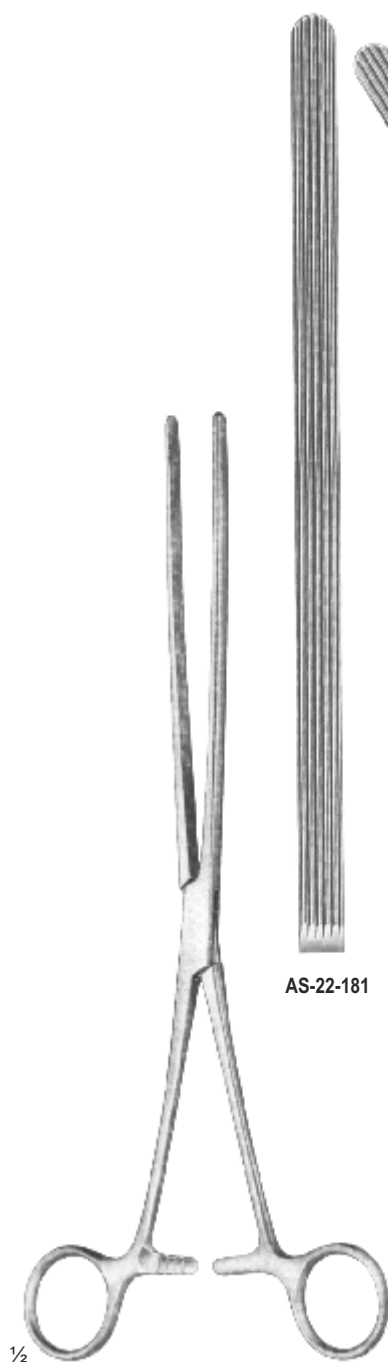


AS-22-174

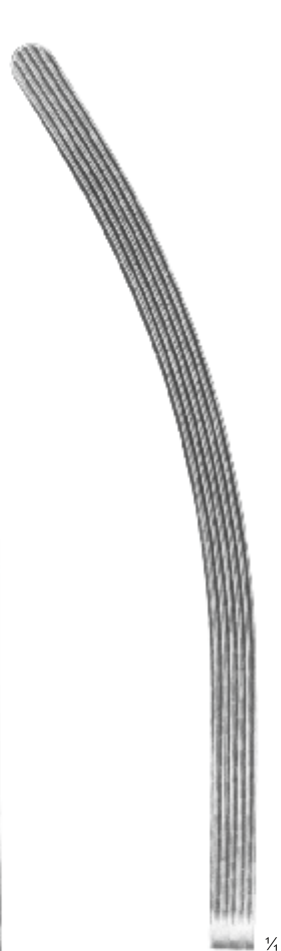
AS-22-171 - AS-22-172
DOYEN
with elastic blades
235 mm

AS-22-173 - AS-22-174
DOYEN
with elastic blades
230 mm

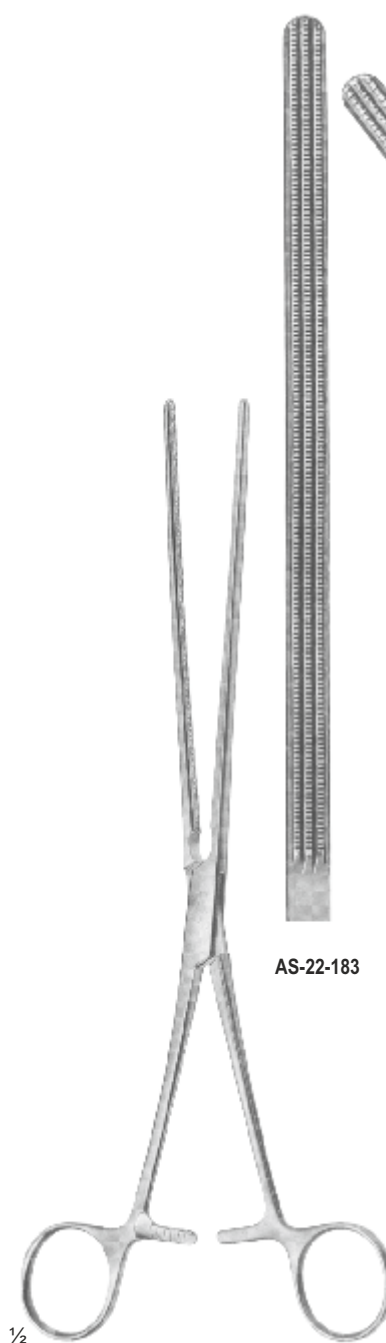




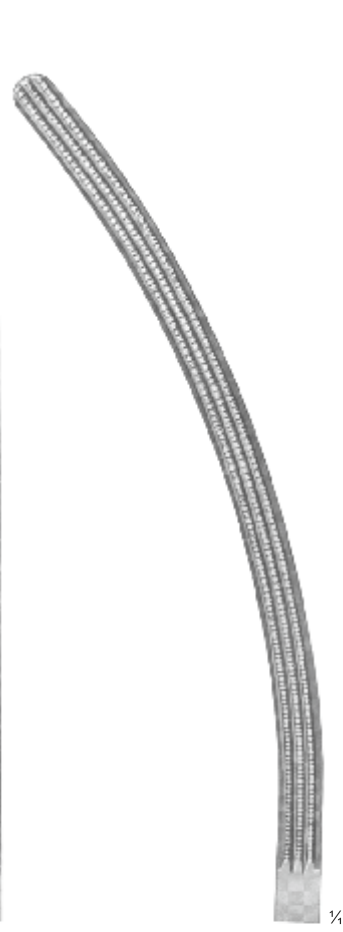
AS-22-181



AS-22-182



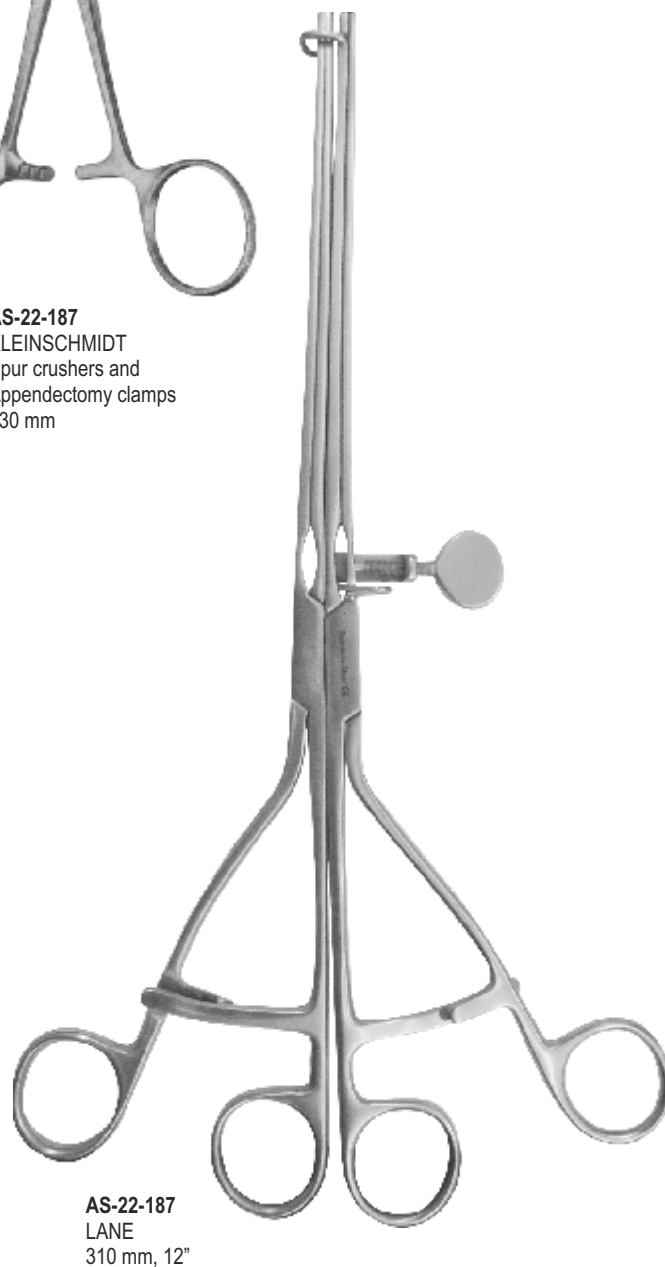
AS-22-183



AS-22-184

AS-22-181 - AS-22-182
MAYO-ROBSON
hard elastic
250 mm

AS-22-183 - AS-22-184
MAYO-ROBSON
250 mm





AS-22-188
PAYR
Intestinal clamp light
pattern, for children
180 mm

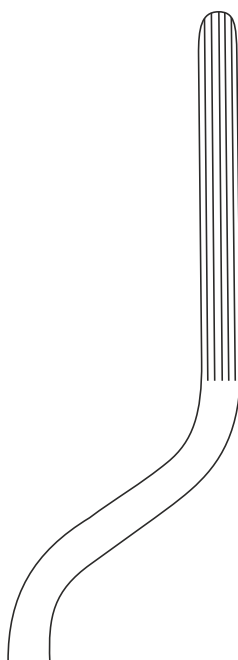
AS-22-189
PAYR
200 mm

AS-22-190
PAYR
275 mm

AS-22-191
PAYR
Pylorus clamp
315 mm



BRUNNER
AS-22-192
230 mm



FEHLANT
AS-22-193
240 mm



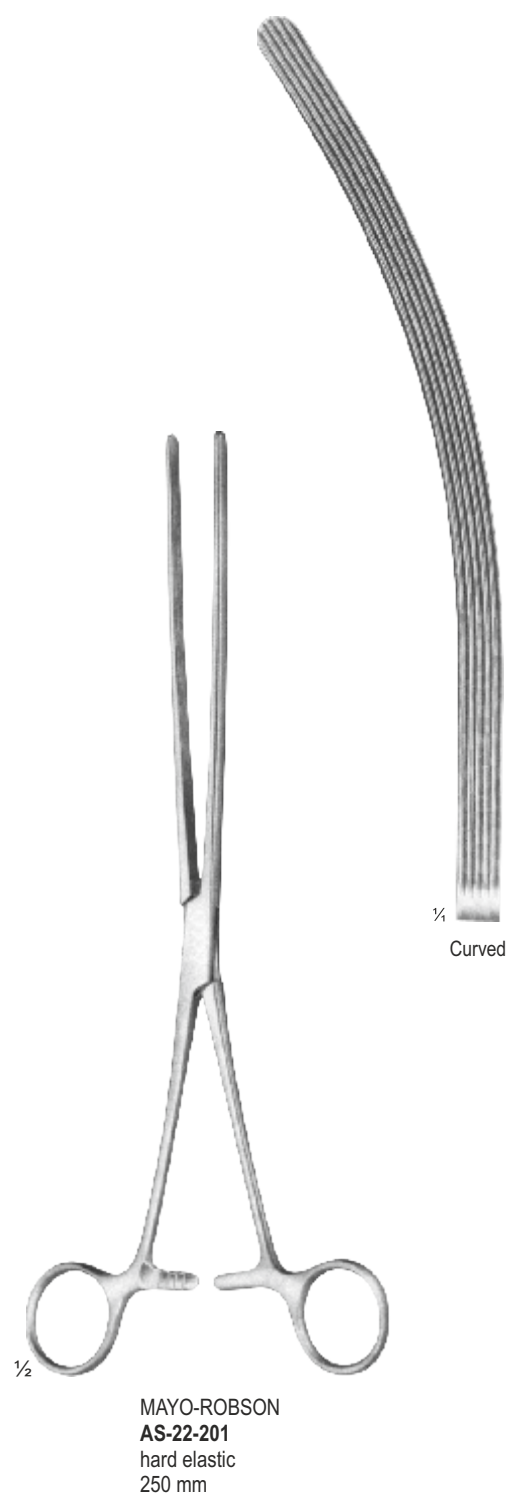
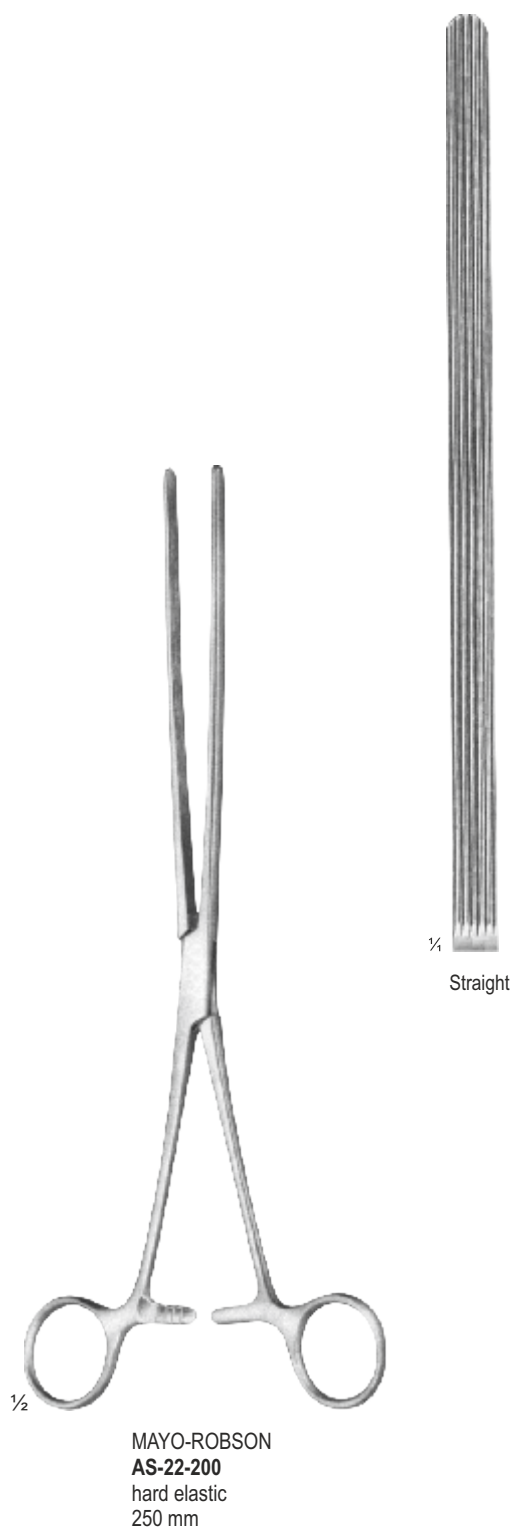
Straight

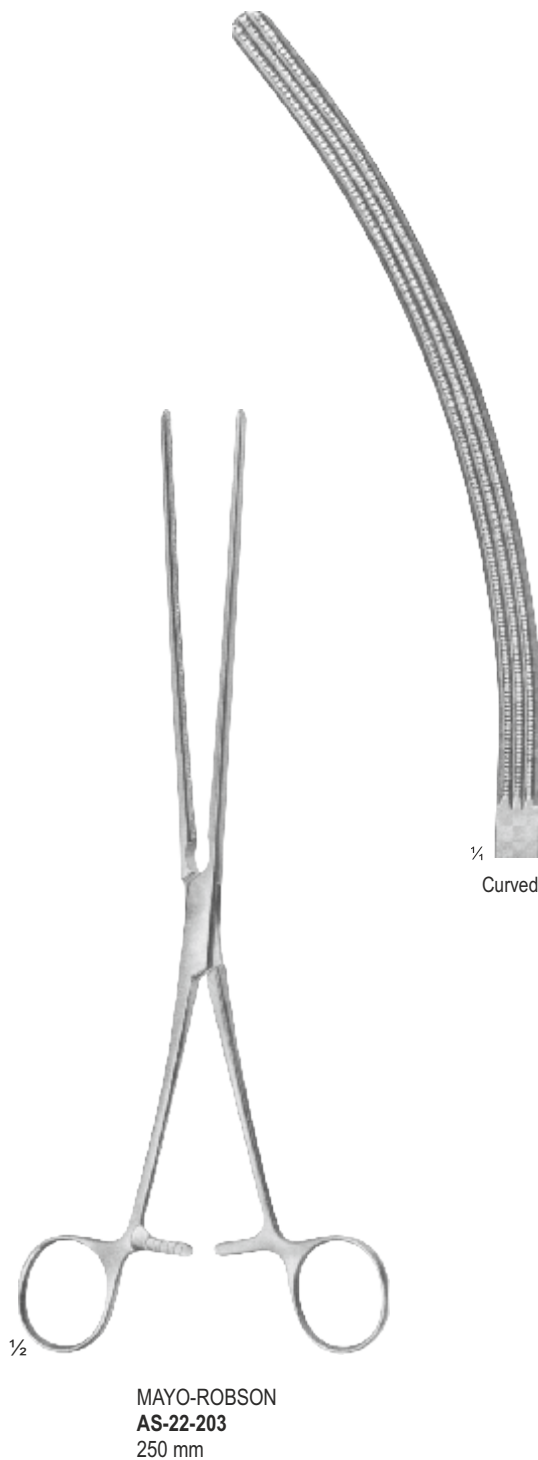
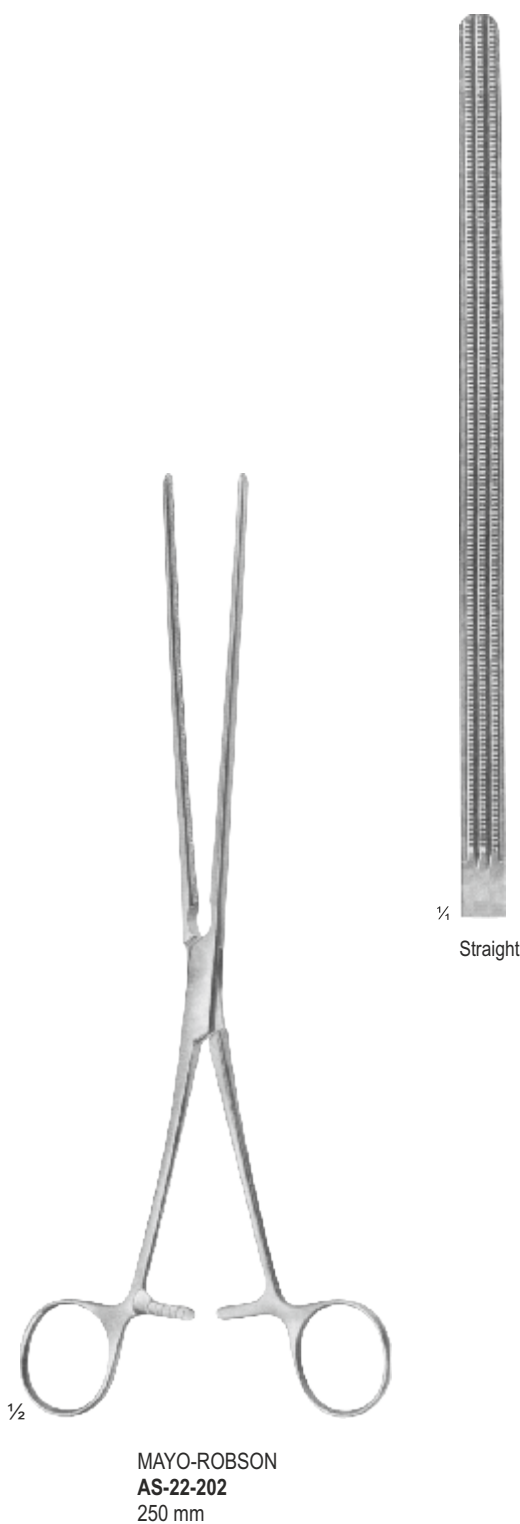
KOCHER
with very elastic blades
AS-22-194 - AS-22-196
AS-22-194 22 cm
AS-22-195 25 cm
AS-22-196 28 cm

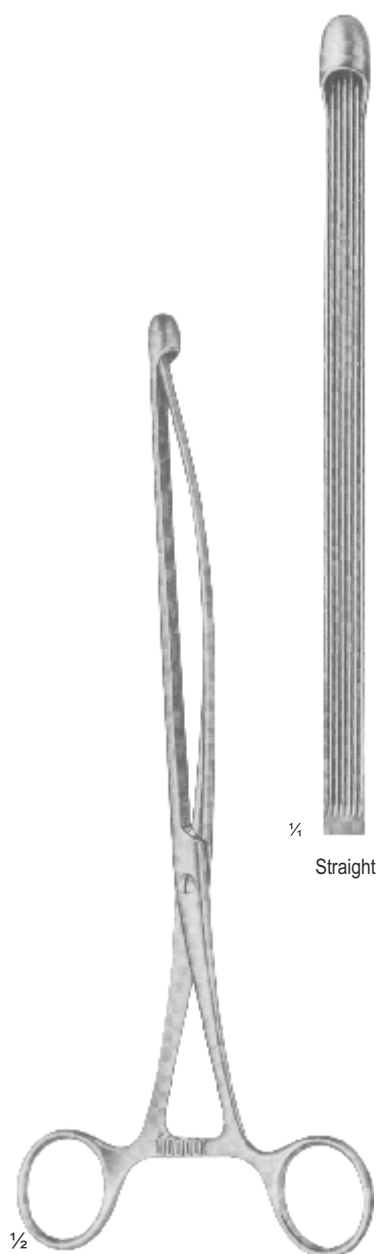


Curved

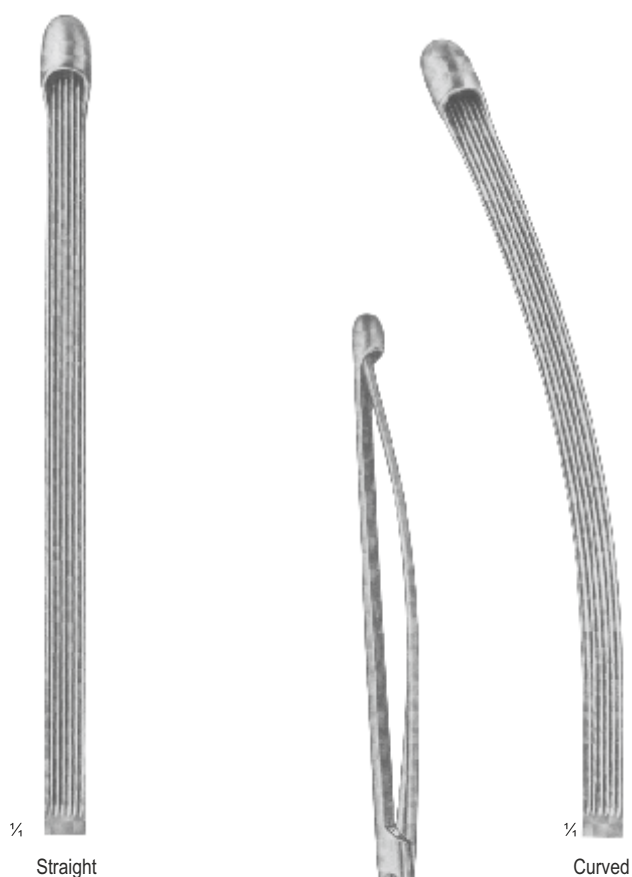
KOCHER
with very elastic blades
AS-22-197 - AS-22-199
AS-22-197 22 cm
AS-22-198 25 cm
AS-22-199 28 cm



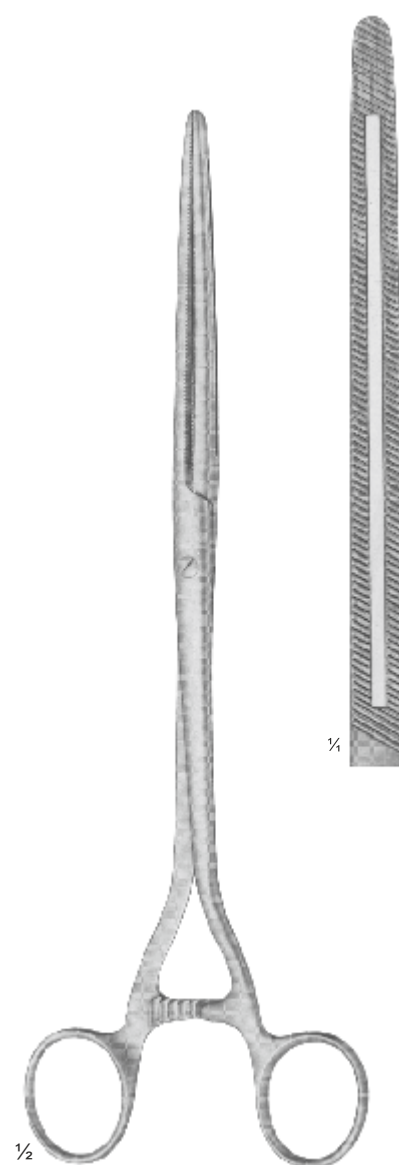




NUSSBAUM
AS-22-204
with elastic blades
250 mm



NUSSBAUM
AS-22-205
with elastic blades
250 mm



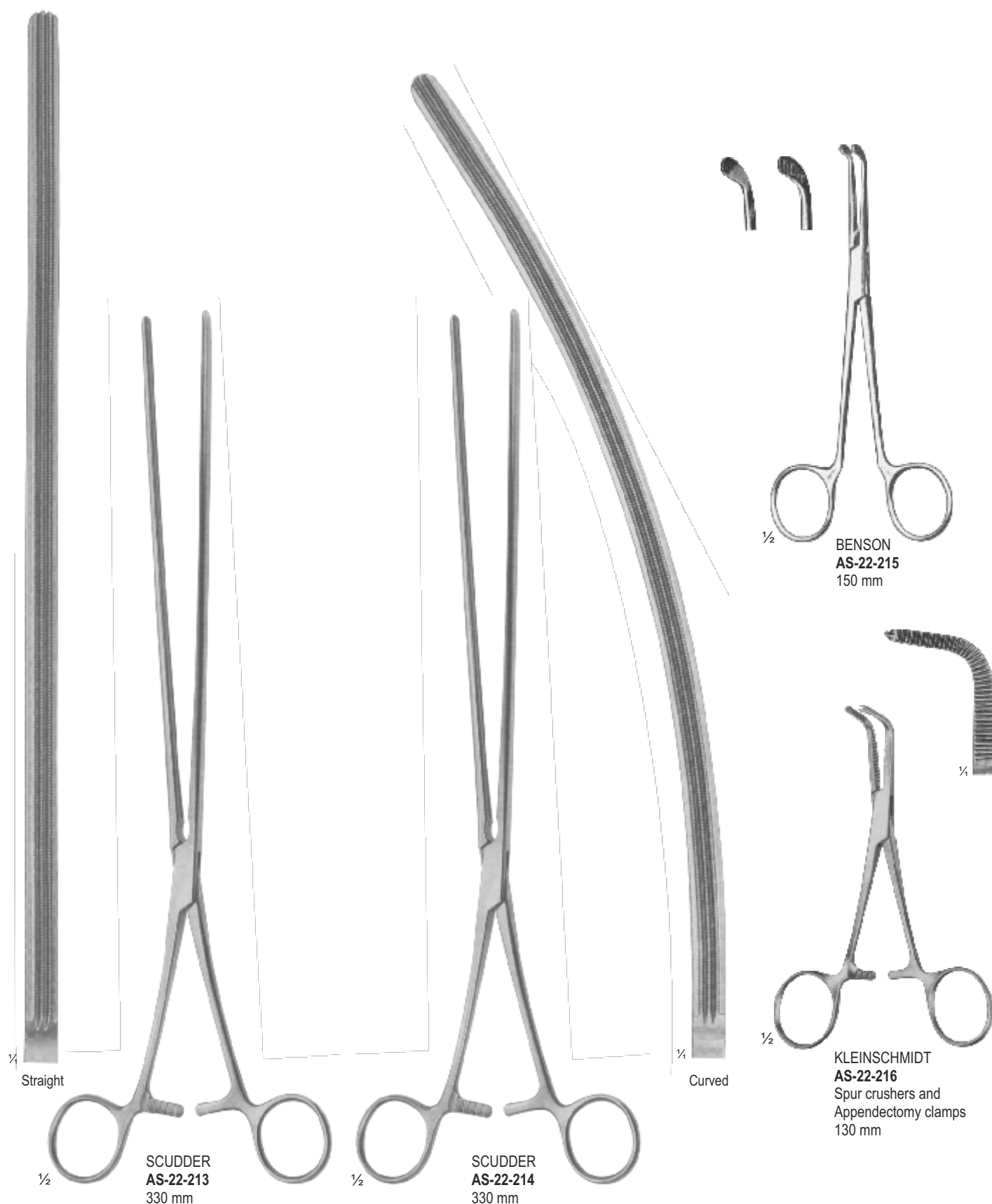
MOYNIHAN
AS-22-206
280 mm

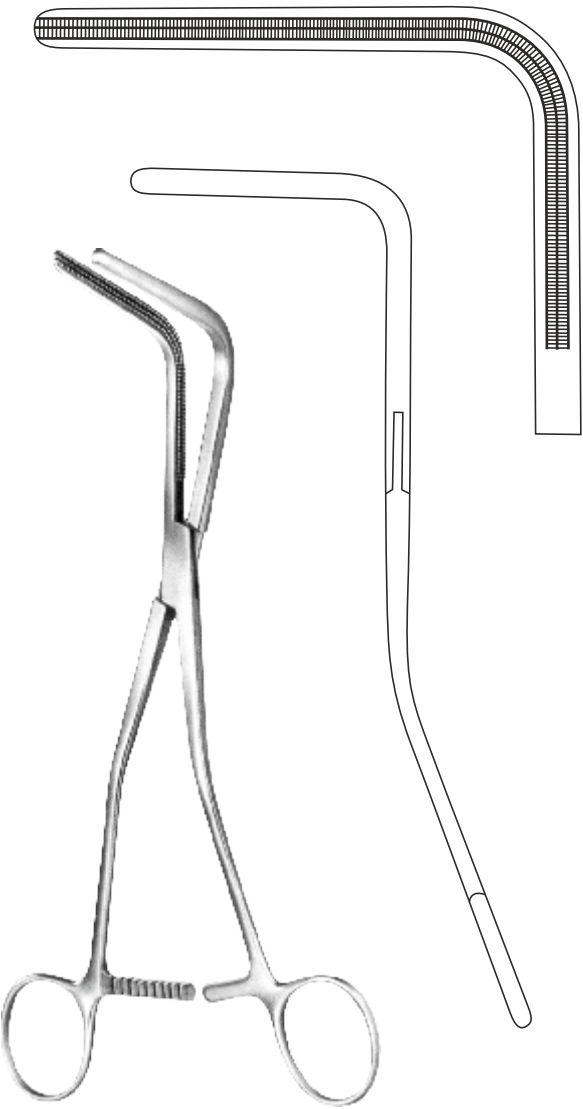


PARKER-KERR
AS-22-207
anastomosis forceps
for colon resection
180 mm

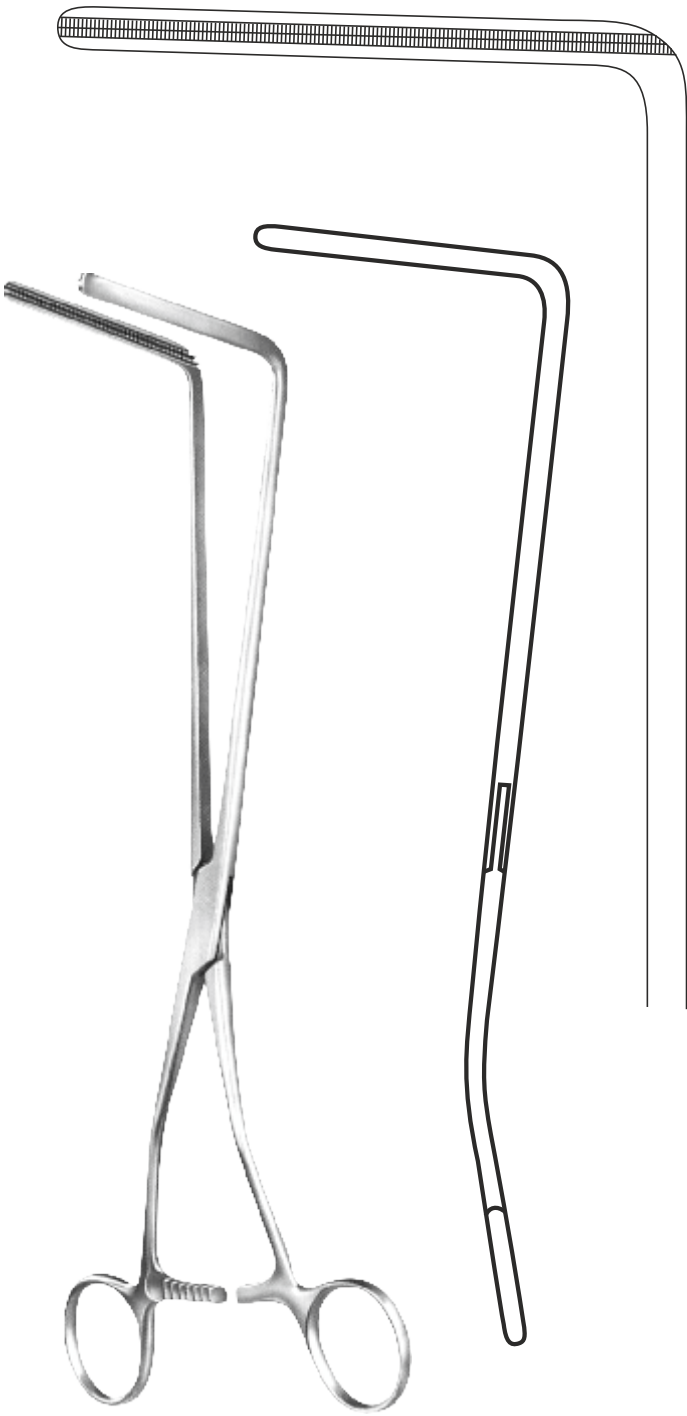
DICK
pressure clamps
AS-22-208 - AS-22-211
AS-22-208 180 mm
AS-22-209 255 mm
AS-22-210 265 mm
AS-22-211 275 mm

LLOYD-DAVIS
AS-22-212
315 mm

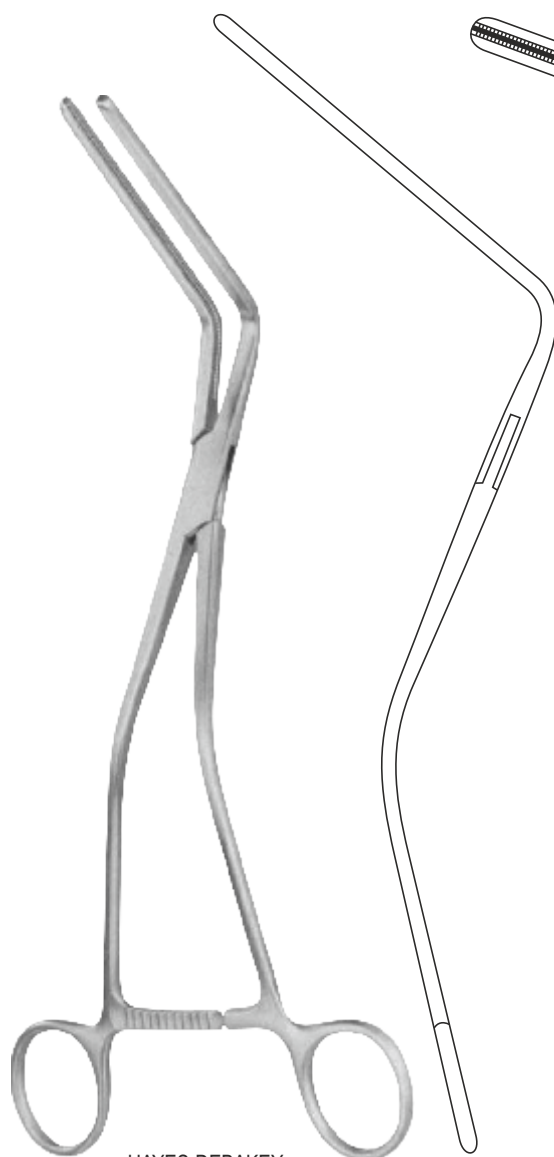




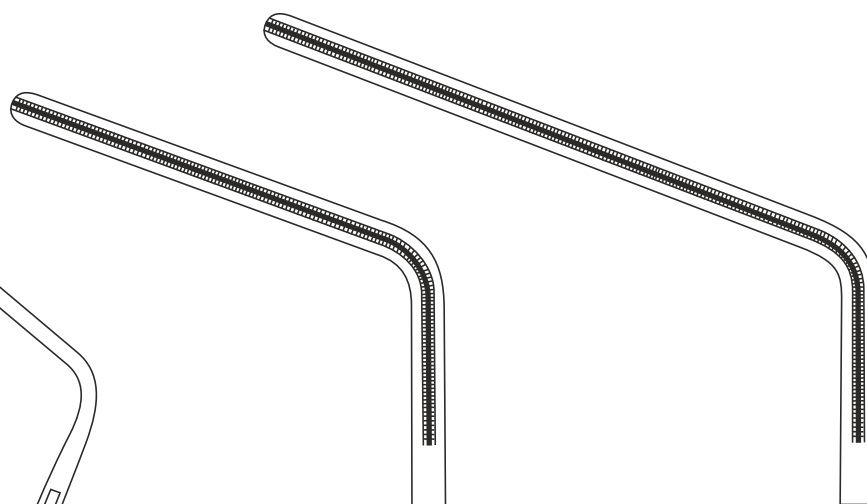
VEIDENHEIMER
AS-22-217
250 mm



RESANO
AS-22-218
280 mm



HAYES-DEBAKEY
AS-22-219 - AS-22-220

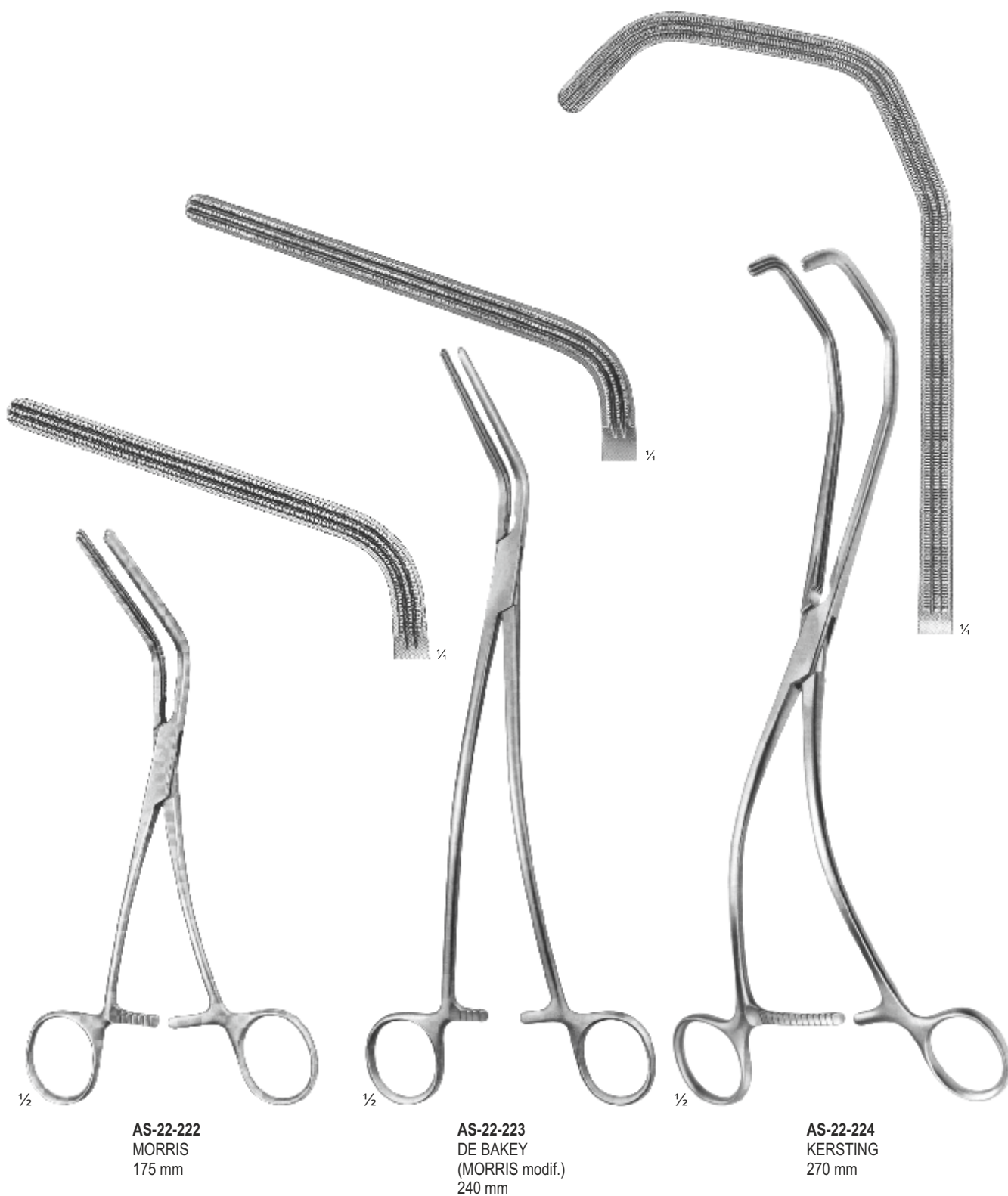


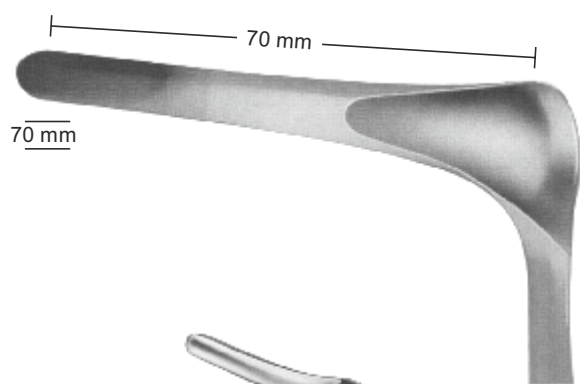
AS-22-219
260 mm
55 mm

AS-22-220
280 mm
85 mm

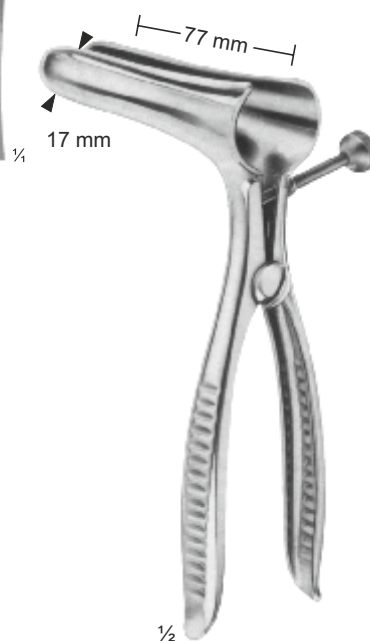


FEHLAND-DEBAKEY
AS-22-221
240 mm





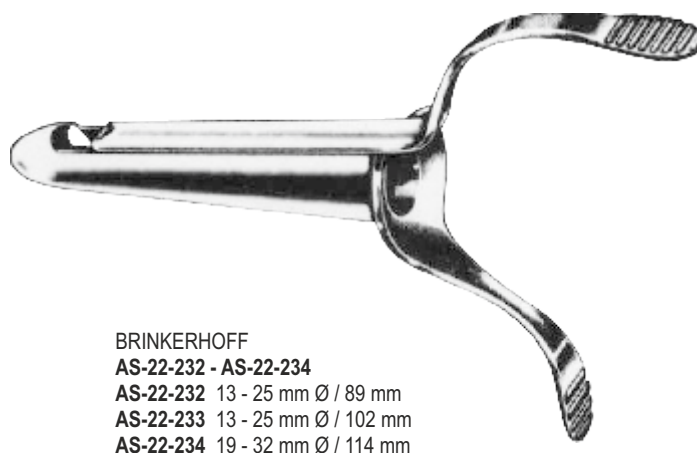
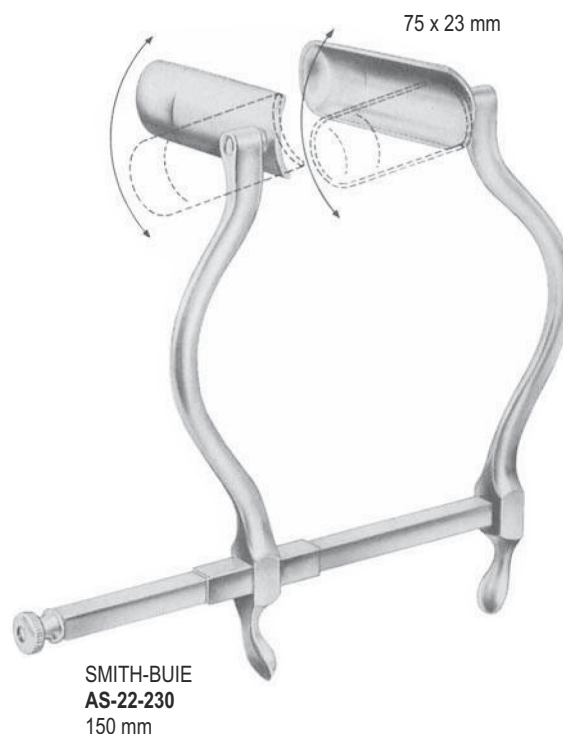
AS-22-225
KILLIAN
for children
145 mm



AS-22-226
SIMS
160 mm

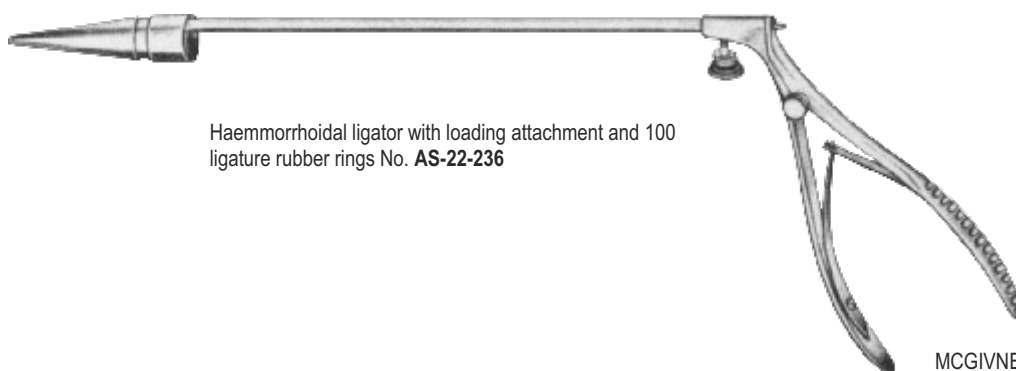


AS-22-227
SIMS
160 mm



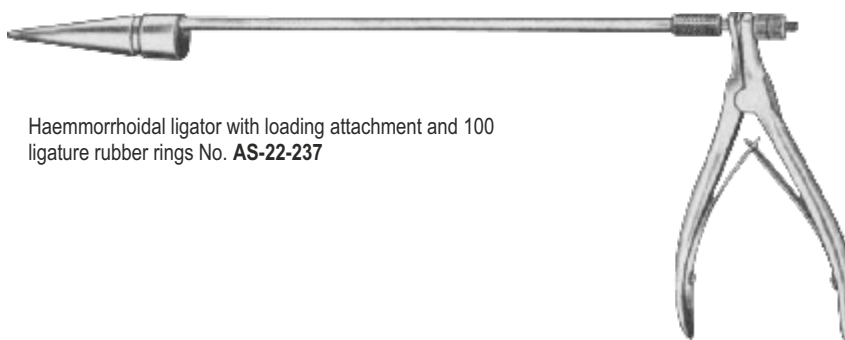


McGIVNEY
AS-22-235
190 mm



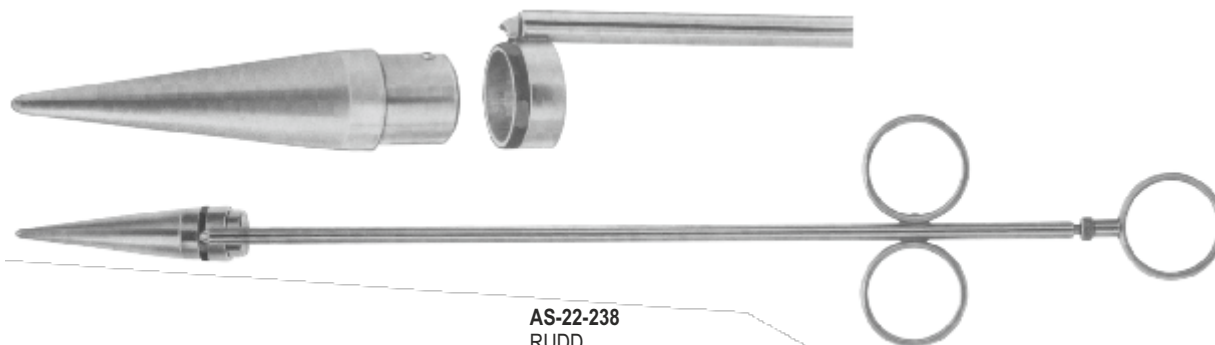
Haemorrhoidal ligator with loading attachment and 100
ligature rubber rings No. **AS-22-236**

McGIVNEY
AS-22-236



Haemorrhoidal ligator with loading attachment and 100
ligature rubber rings No. **AS-22-237**

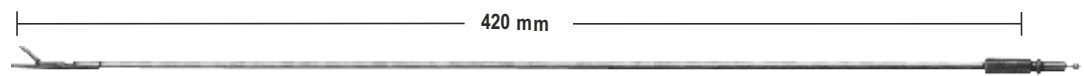
FORD-DIXON
AS-22-237



AS-22-238
RUDD
Haemorrhoidal ligator
with loading
attachment and 100
ligature rubber rings
315 mm



RUDD
AS-22-239
100 pieces



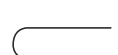
3.5 mm



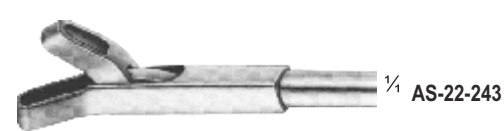
3.5 mm



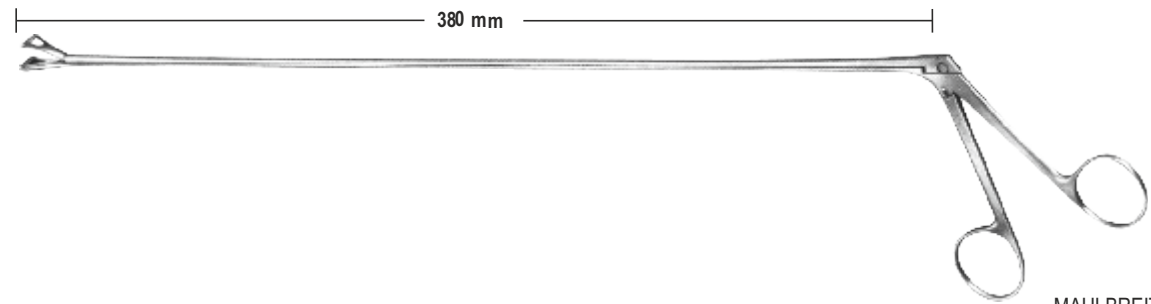
4 mm



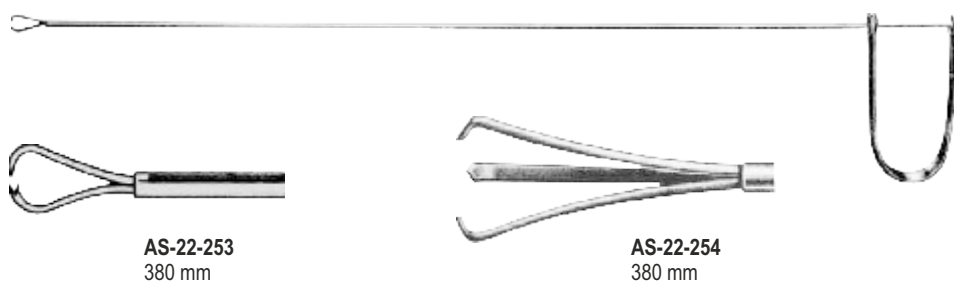
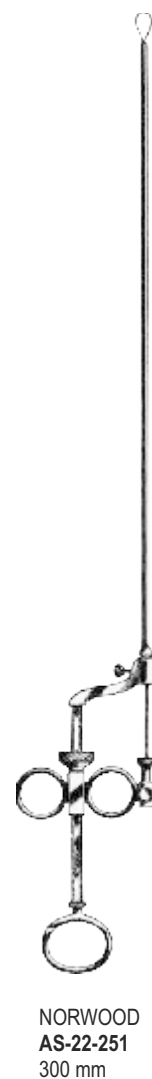
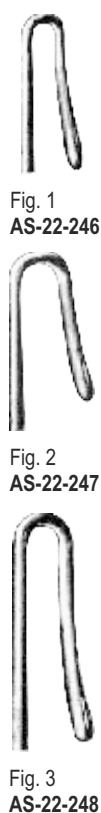
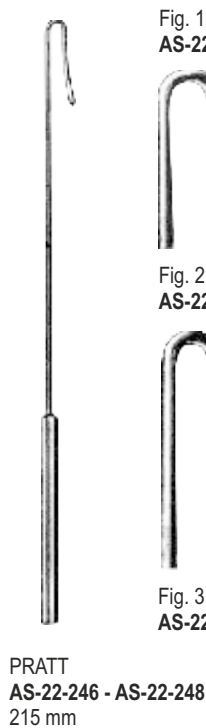
4 mm



AS-22-240 - AS-22-243
Handle for 265 - 266 - 267 - 268

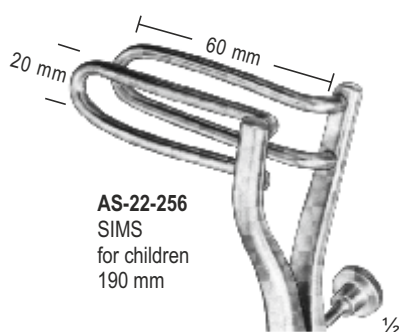


MAULBREITE
JAW WIDTH
AS-22-244
380 mm
15 mm

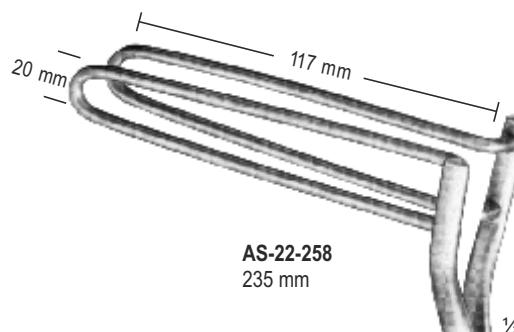




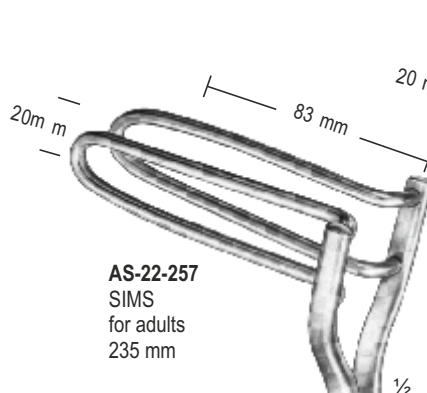
AS-22-256 - AS-22-259



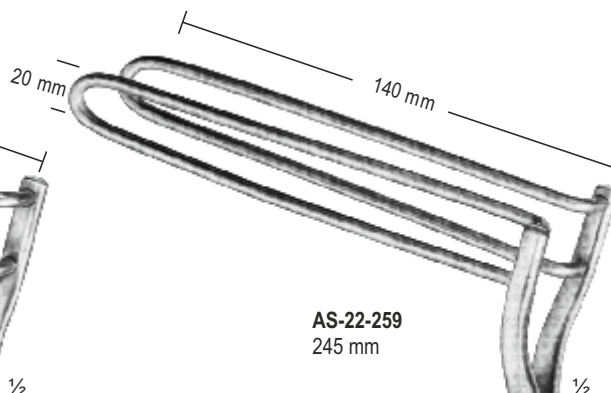
AS-22-256
SIMS
for children
190 mm



AS-22-258
235 mm



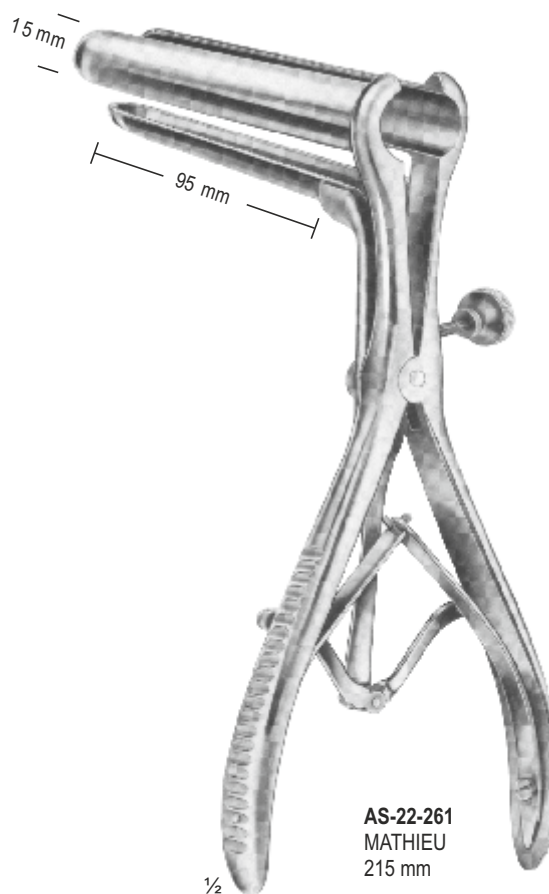
AS-22-257
SIMS
for adults
235 mm



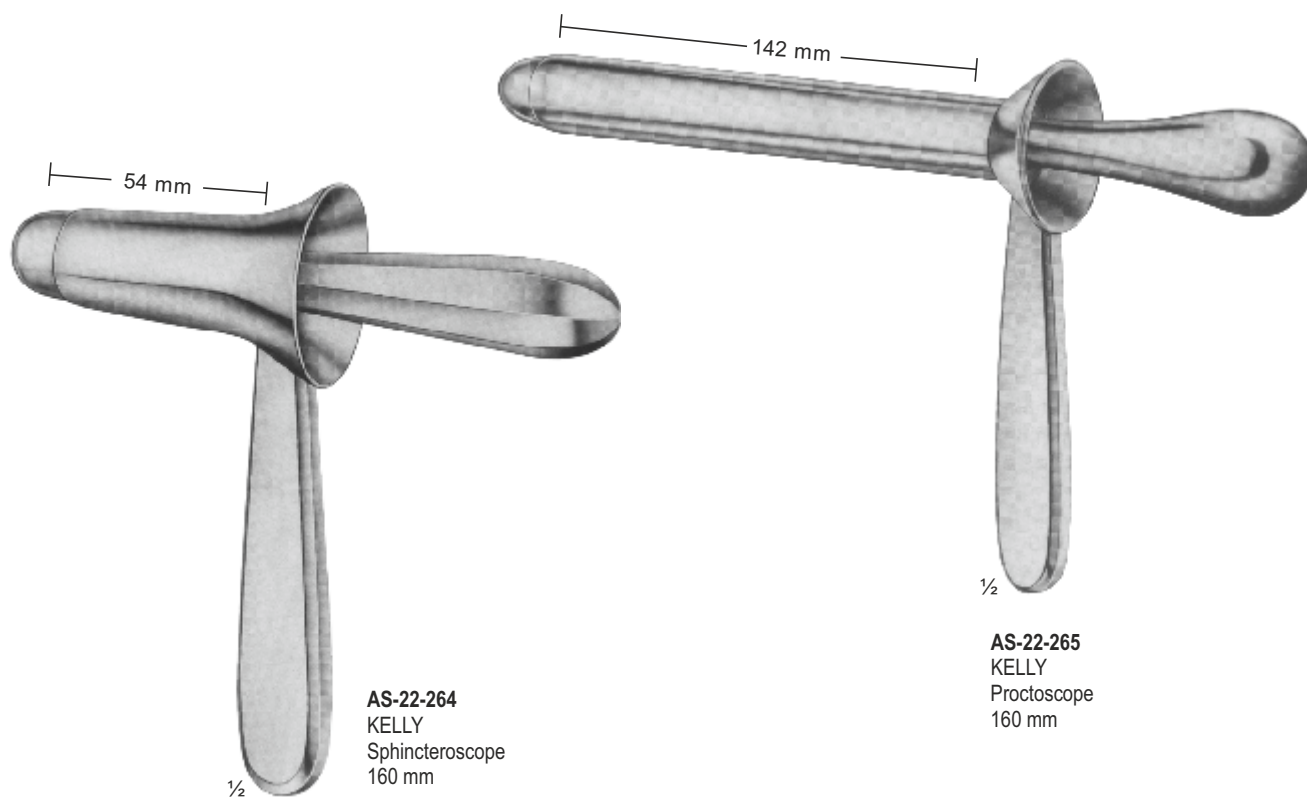
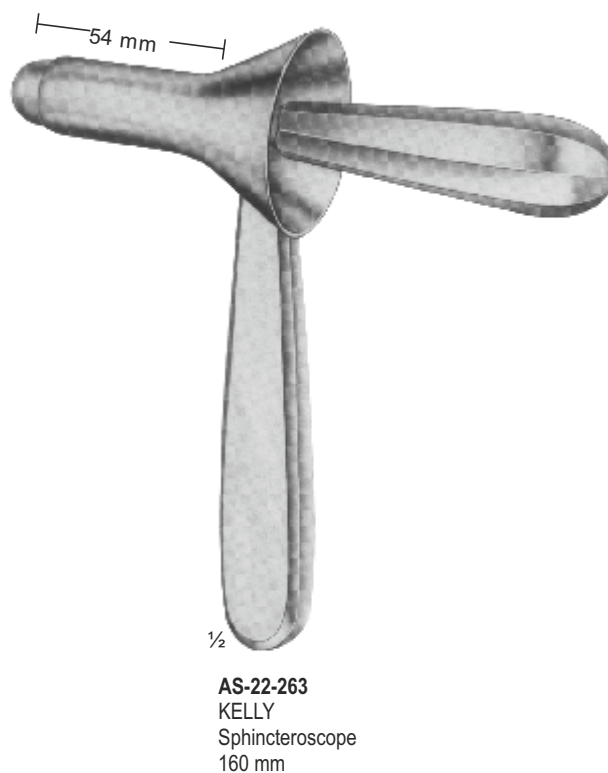
AS-22-259
245 mm

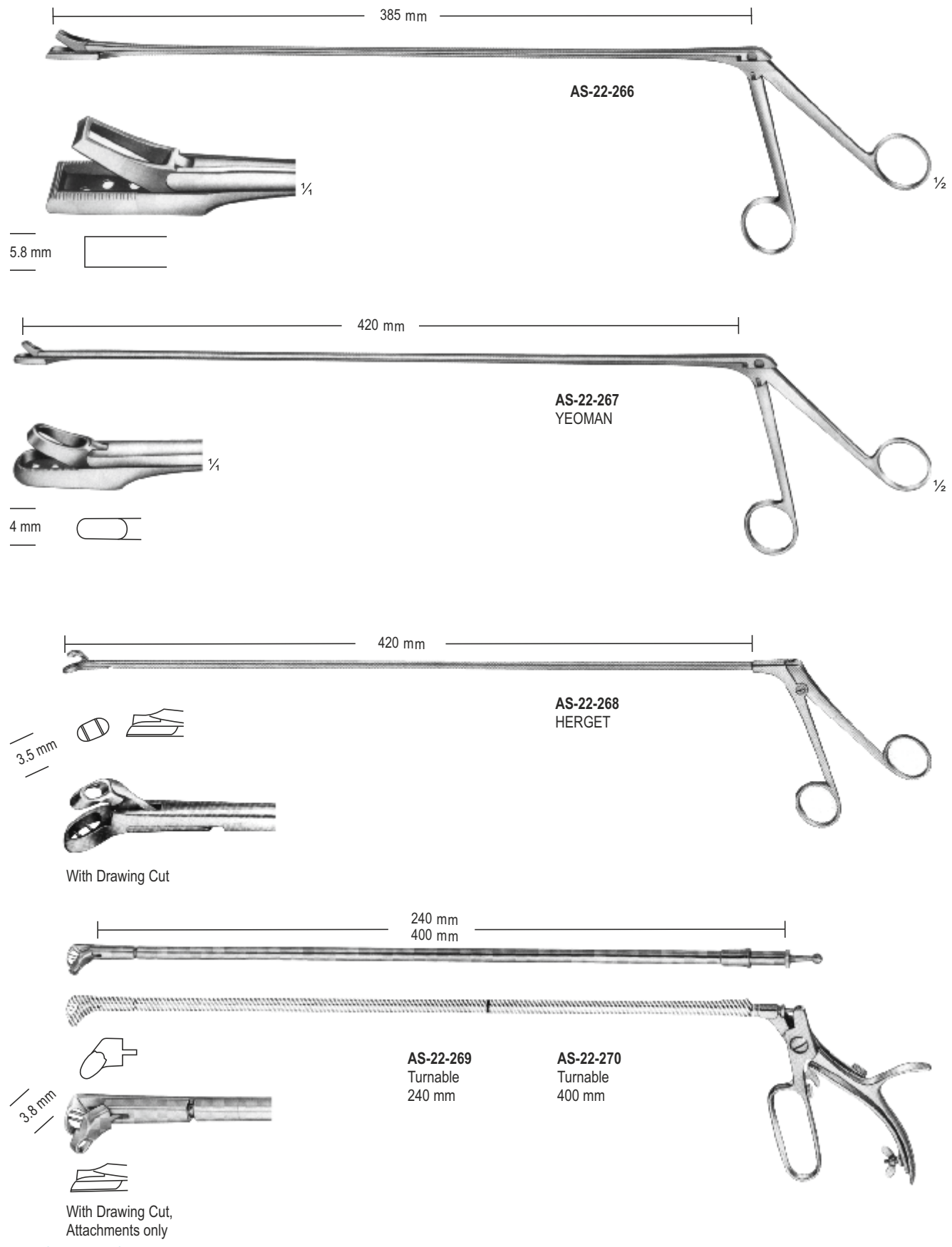


AS-22-260
PRATT
205 mm



AS-22-261
MATHIEU
215 mm







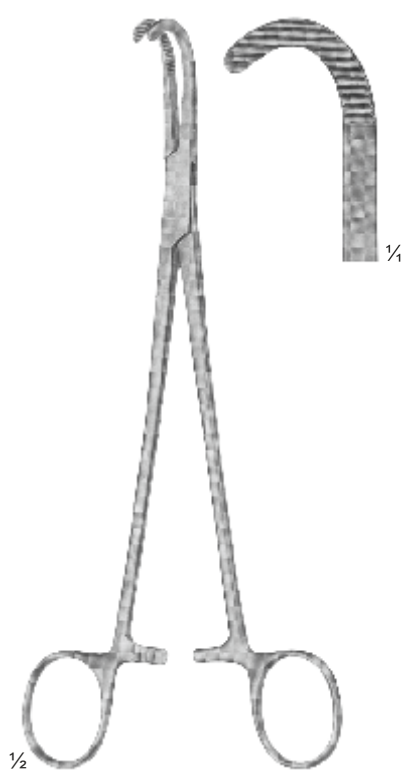
AS-22-271
LOWER
180 mm



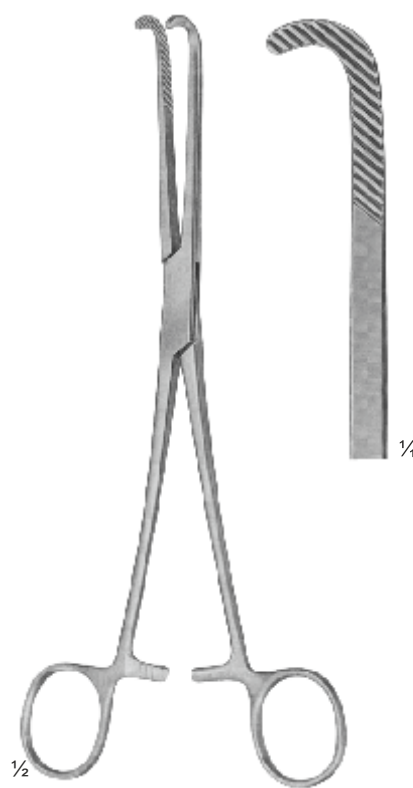
AS-22-272
LAHEY (SWEET)
190 mm



AS-22-273
LAHEY
220 mm



AS-22-274
DESJARDINS
Gall duct and cystic forceps
210 mm



AS-22-275
NISSEN
Gall duct and cystic forceps
215 mm



AS-22-276

AS-22-277

$\frac{1}{2}$

AS-22-276 - AS-22-277
GRAY
180 mm



AS-22-278 AS-22-279

$\frac{1}{2}$

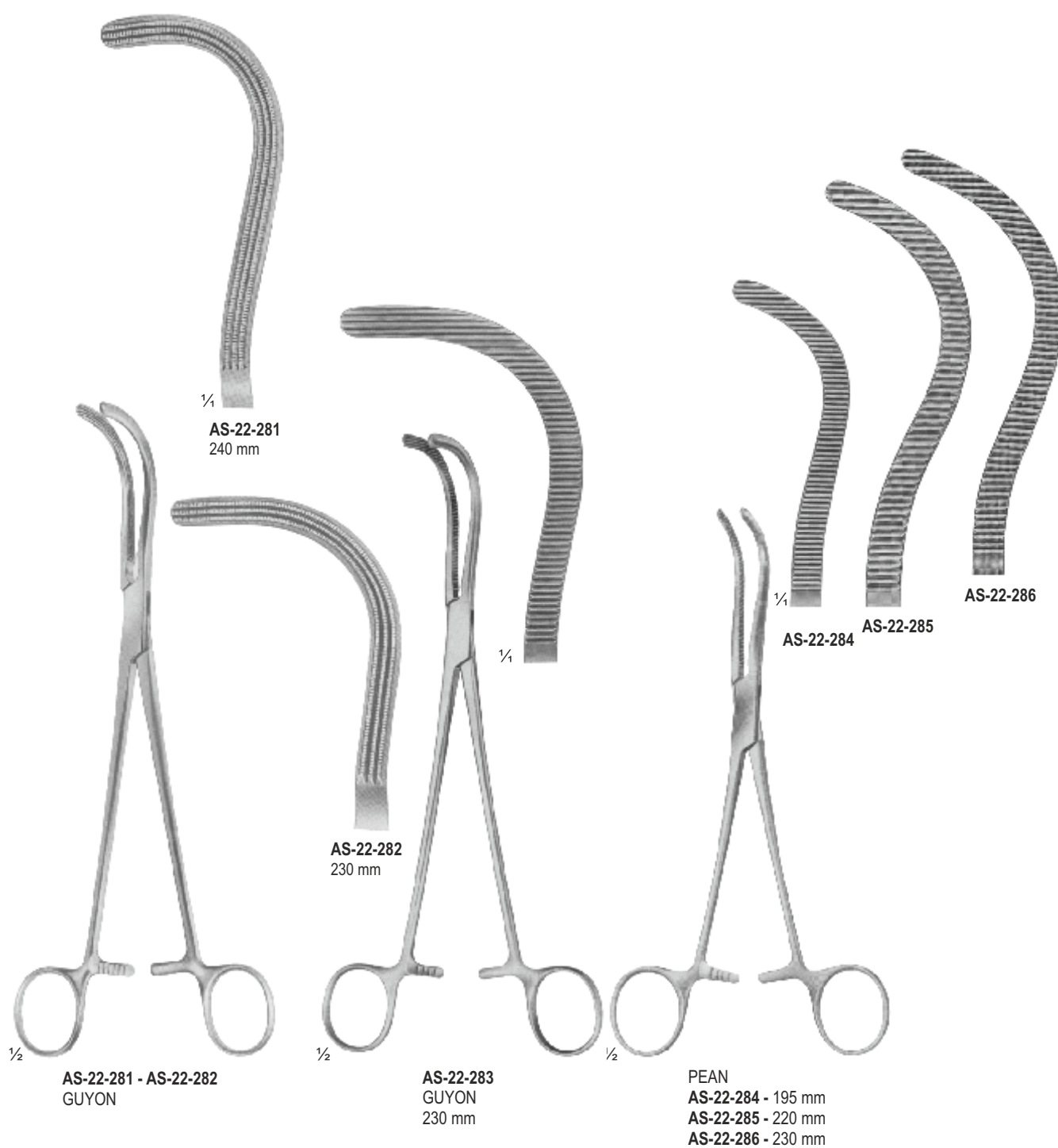
AS-22-278 - AS-22-279
MIXTER
Gall duct-and cystic forceps
230 mm

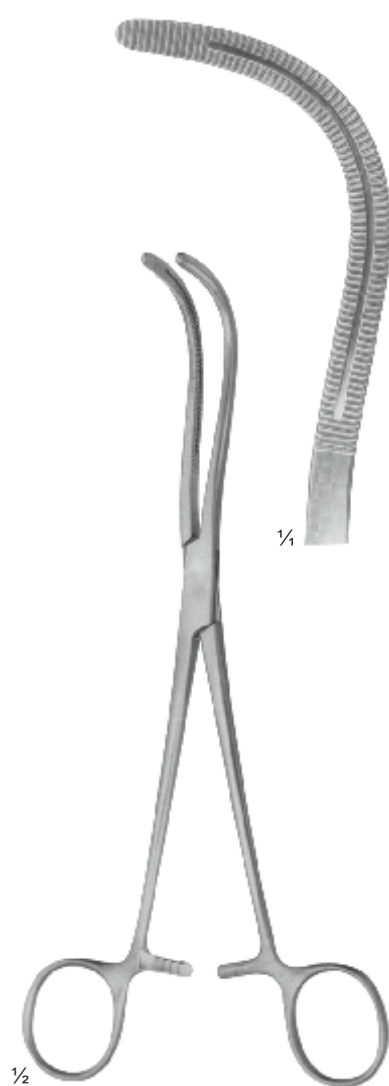


AS-22-280

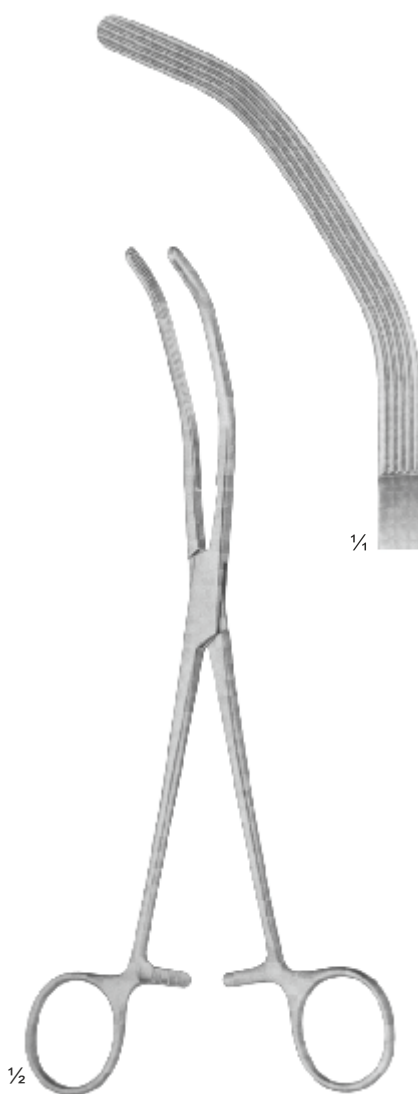
$\frac{1}{2}$

AS-22-280
FOERSTER-BALLENGER
240 mm

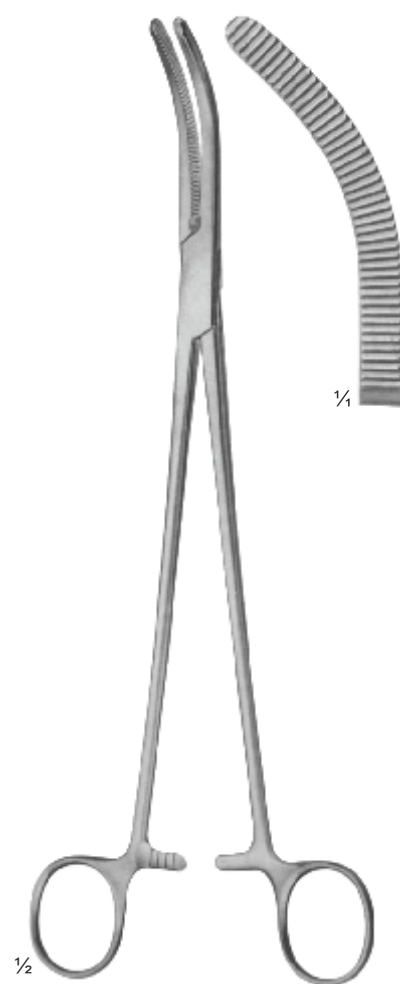




AS-22-287
STILLE
220 mm



AS-22-288
HERRICK
225 mm

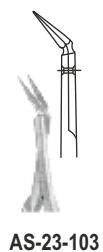
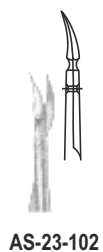
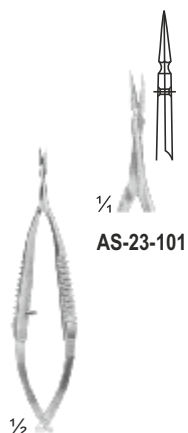


AS-22-289
WERTHEIM
225 mm

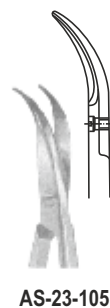


Page
535–551

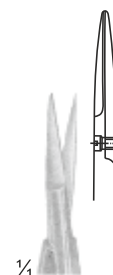
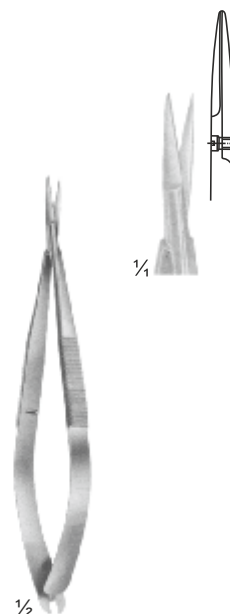
▪ Micro Instruments



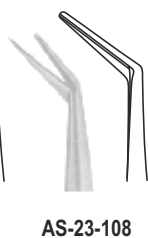
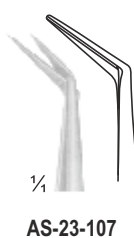
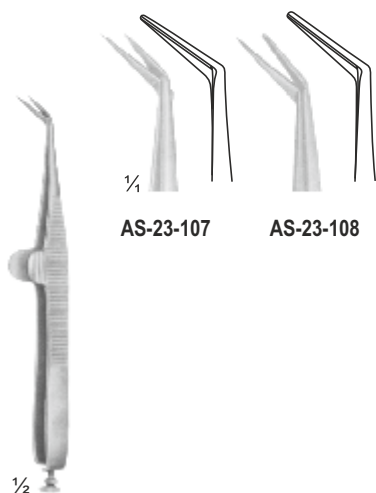
AS-23-101 - AS-23-103
VANNAS
85 mm



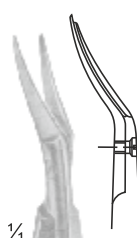
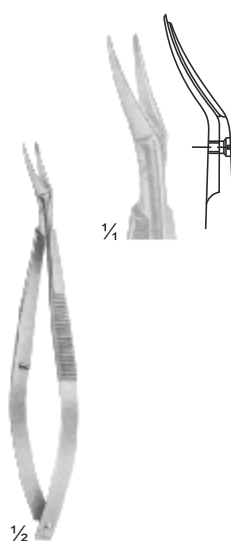
AS-23-104 - AS-23-105
CASTROVIEJO
95 mm



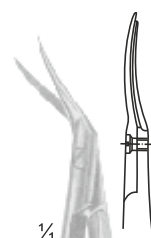
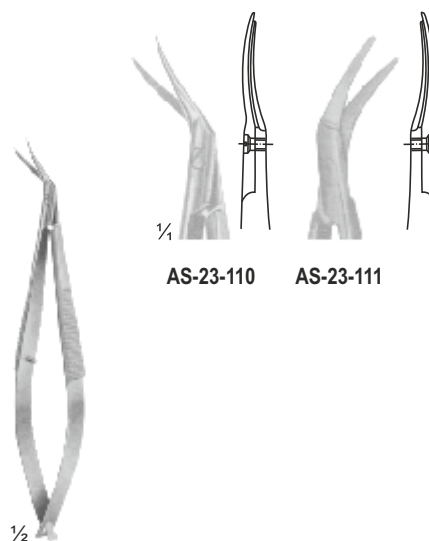
AS-23-106
NOYES
125 mm



AS-23-107 - AS-23-108
WECKER
Eye Scissor
110 mm

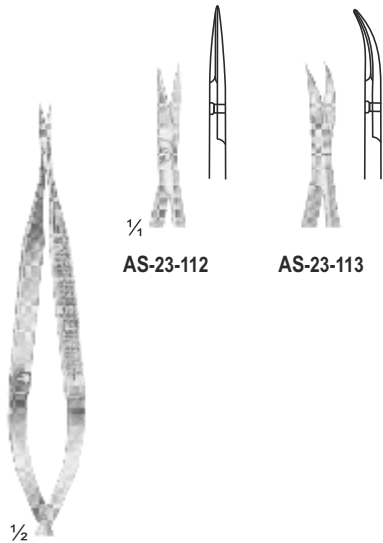


AS-23-109
CASTROVIEJO
Eye Scissor
115 mm

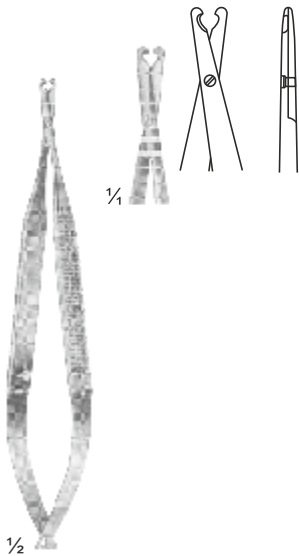


AS-23-110 - AS-23-111
CASTROVIEJO
Eye Scissor
110 mm

MICRO SCISSORS“SPRING TYPE”FLAT HANDLES

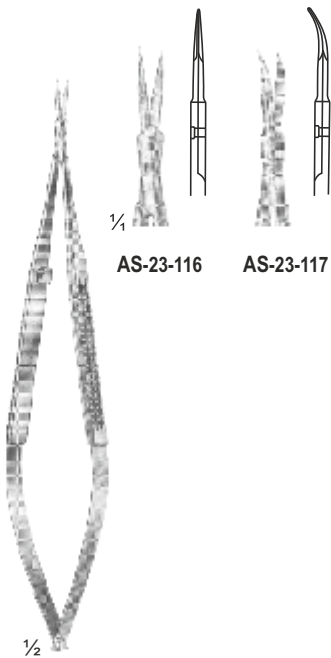


AS-23-112 - AS-23-113
120 mm

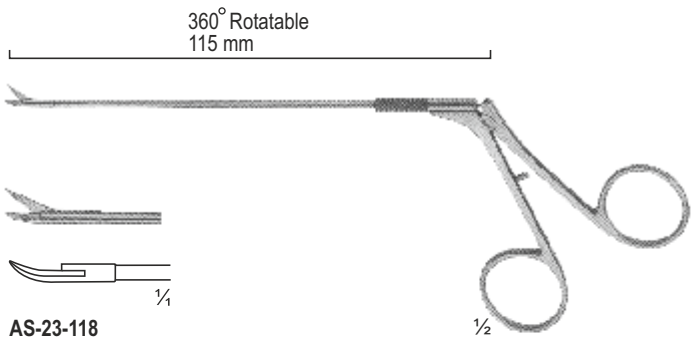


AS-23-114
BIEMER
Vein Scissor
130 mm

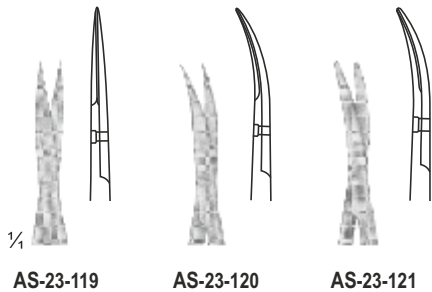
AS-23-115
160 mm



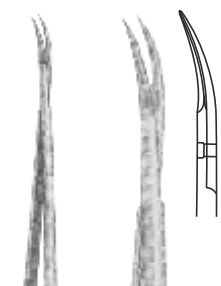
AS-23-116 - AS-23-117
VANNAS
160 mm



AS-23-118
CASPAR
Micro Scissor Curved
115 mm

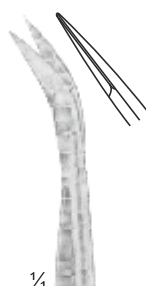


AS-23-119 - AS-23-121
Micro Dissecting Scissor
145 mm



1/2

AS-23-122
YASARGIL
245 mm



1/4

AS-23-123



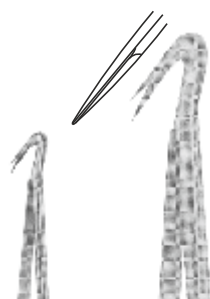
1/4

AS-23-124



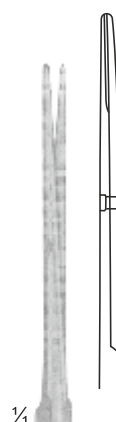
1/2

AS-23-123 - AS-23-124
Laterally Angled
200 mm



1/2

AS-23-125
Laterally Angled
190 mm



1/4

AS-23-126



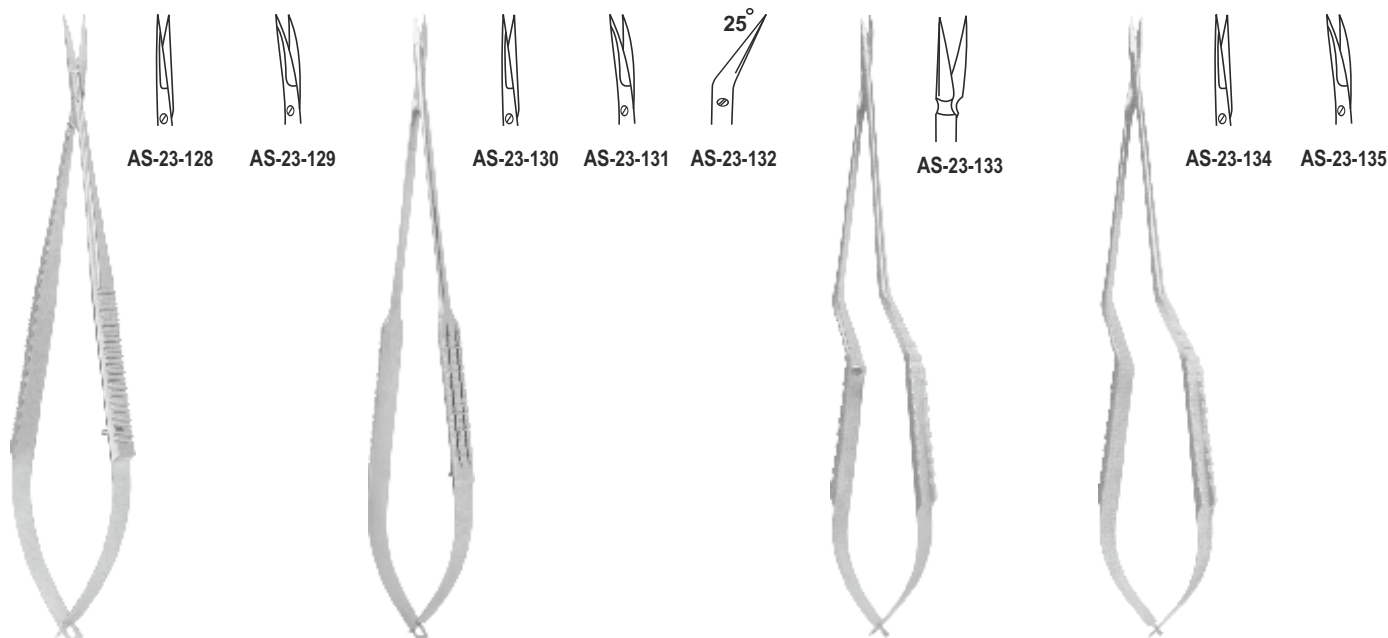
1/4

AS-23-127



1/2

AS-23-126 - AS-23-127
YASARGIL
225 mm

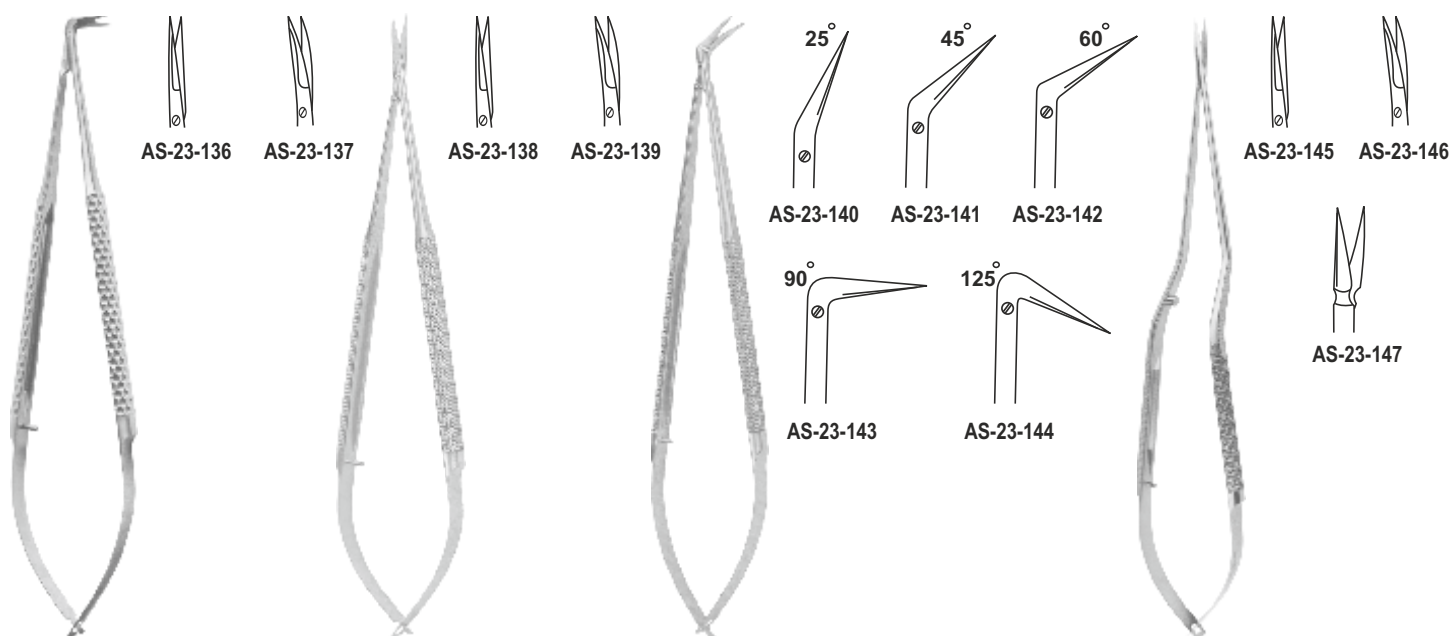


AS-23-128 - AS-23-129
CASTROVIEJO
Spring Scissors
15, 18 cm

AS-23-130 - AS-23-132
STREAMLINE
Micro Coronary
Scissors
15, 18, 21, 23 cm

AS-23-133
STREAMLINE
Spring Scissors
23 cm

AS-23-134 - AS-23-135
STREAMLINE
Spring Scissors
23 cm

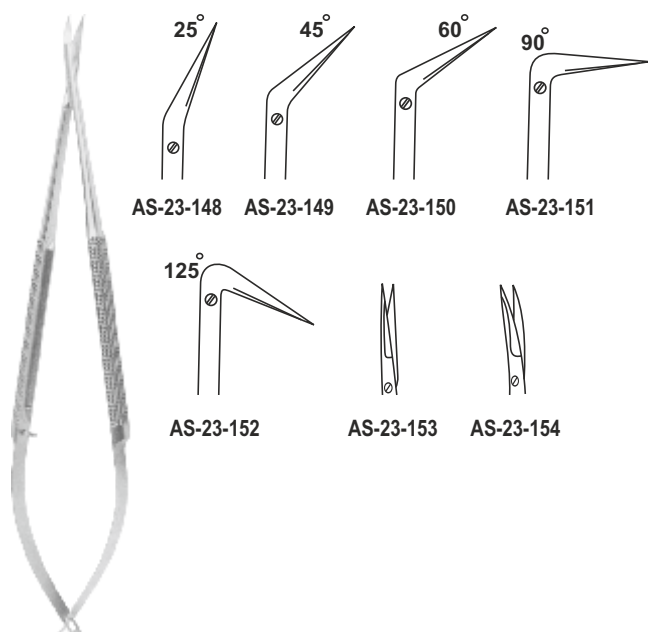


AS-23-136 - AS-23-137
TOLEDO
Spring Scissors
16.5 cm

AS-23-138 - AS-23-139
BARRAQUER
Spring Scissors
12, 15, 18 cm

AS-23-140 - AS-23-144
BARRAQUER
Spring Scissors
18 cm

AS-23-145 - AS-23-147
BARRAQUER
Spring Scissors
Bayonet
22 cm



AS-23-148 - AS-23-154
STREAMLINE
Spring Scissors
18, 21 cm



AS-23-155
ONG-TREUMER
Capsulotomy Scissors
8 cm



AS-23-156
VANNAS-TUBINGEN
After-Cataract Scissors
8 cm
8 mm



AS-23-157
WESTCOTT
Tenotomy Scissors
11 cm



AS-23-158
WESTCOTT
Micro-Tenotomy
Scissors
10.5 cm



AS-23-159
Micro Spring
Scissors
10.5 cm
12 mm



AS-23-160
CASTROVIEJO
Corneal Scissors
10.5 cm



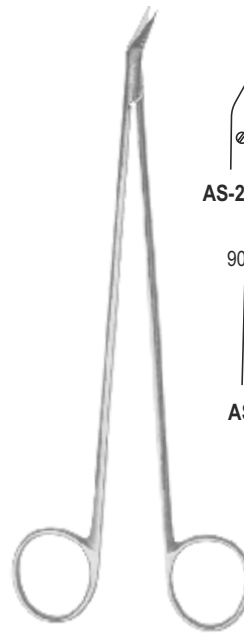
AS-23-161
TROUTMAN
Corneal Scissors
10 cm



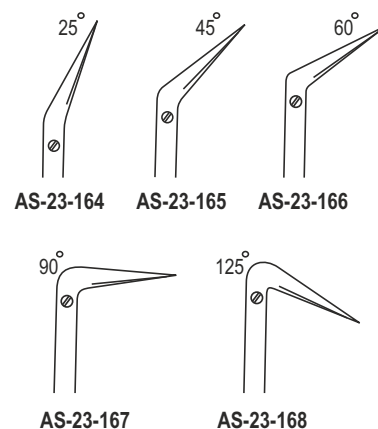
AS-23-162
BONN
Eye Scissors
9 cm



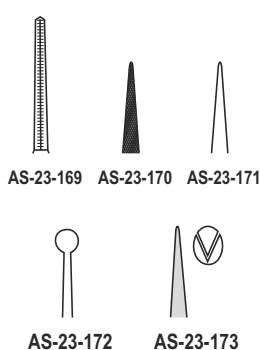
AS-23-163
Eye Scissors
10.6 cm



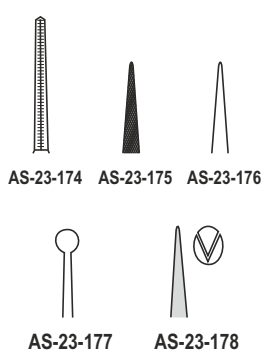
AS-23-164 - AS-23-168
HEGEMANN
Ring Scissors
18 cm



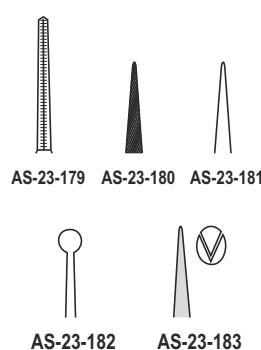
AS-23-169 - AS-23-173
TOLEDO
Forceps Heavy
18, 21 cm



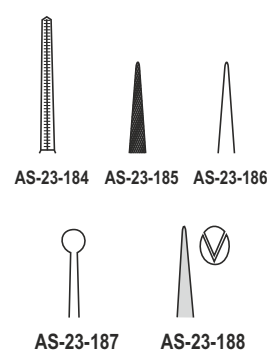
AS-23-174 - AS-23-178
Forceps
15, 18 cm

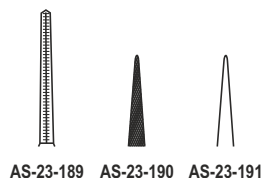
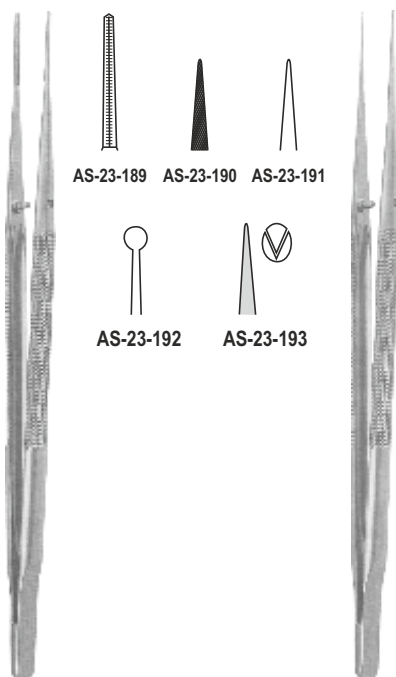


AS-23-179 - AS-23-183
TOLEDO
Forceps
18, 21 cm



AS-23-184 - AS-23-188
Forceps
15, 18, 21 cm



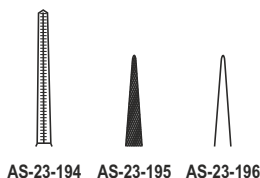
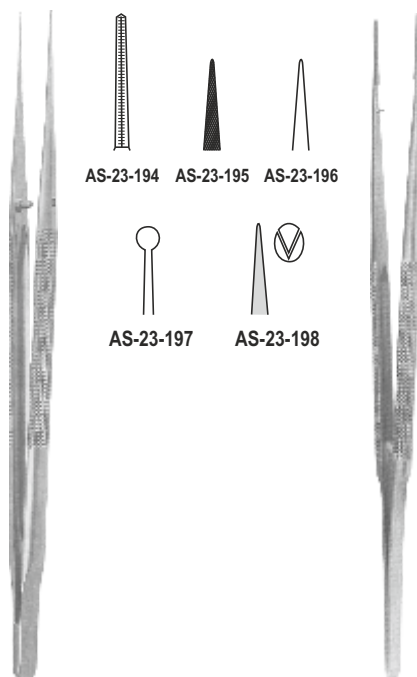


AS-23-189 AS-23-190 AS-23-191

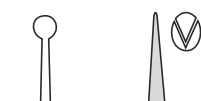


AS-23-192 AS-23-193

AS-23-189 - AS-23-193
Forceps
15, 18, 21 cm

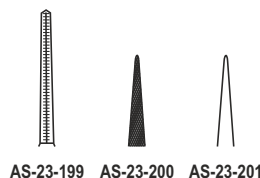
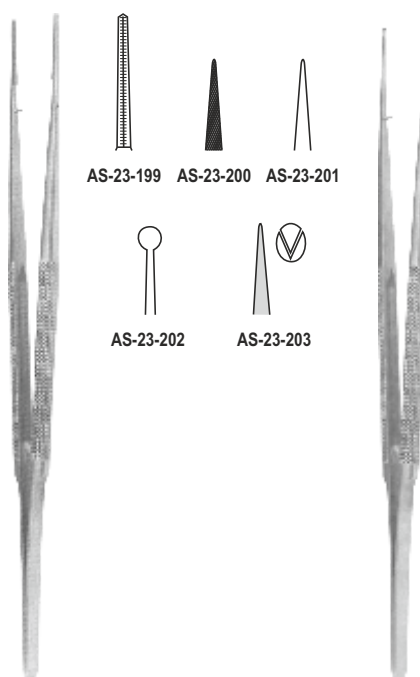


AS-23-194 AS-23-195 AS-23-196



AS-23-197 AS-23-198

AS-23-194 - AS-23-198
15, 18, 21 cm

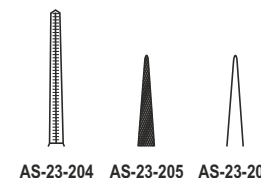
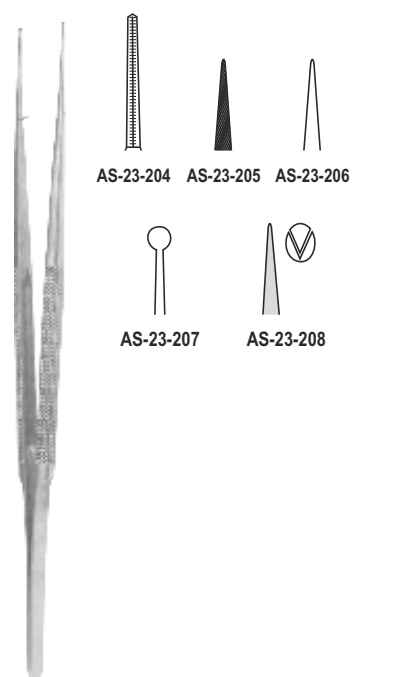


AS-23-199 AS-23-200 AS-23-201

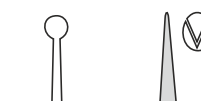


AS-23-202 AS-23-203

AS-23-199 - AS-23-203
Forceps
15, 18, 21 cm

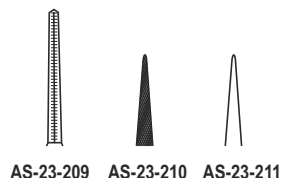
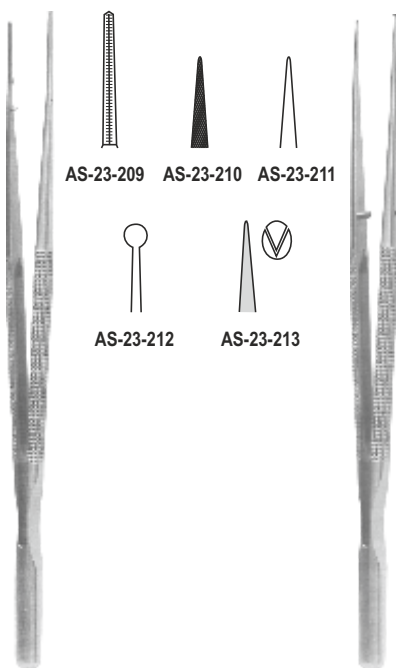


AS-23-204 AS-23-205 AS-23-206



AS-23-207 AS-23-208

AS-23-204 - AS-23-208
Forceps
15, 18, 21 cm

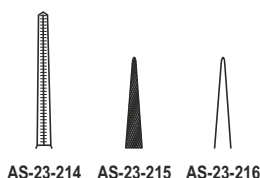
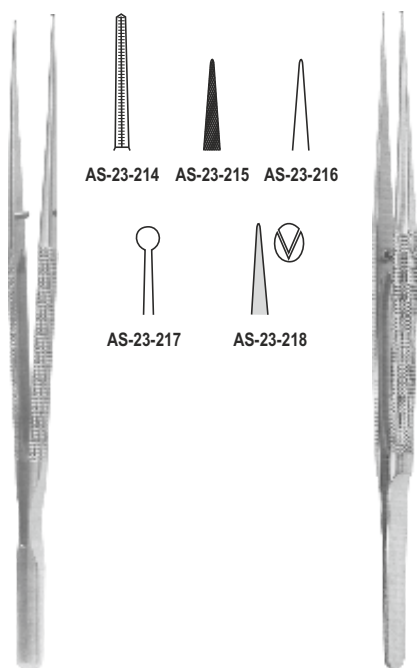


AS-23-209 AS-23-210 AS-23-211



AS-23-212 AS-23-213

AS-23-209 - AS-23-213
Forceps Counter
Balance
15, 18, 21 cm

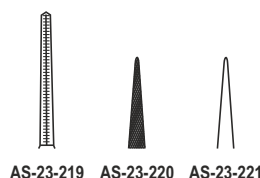
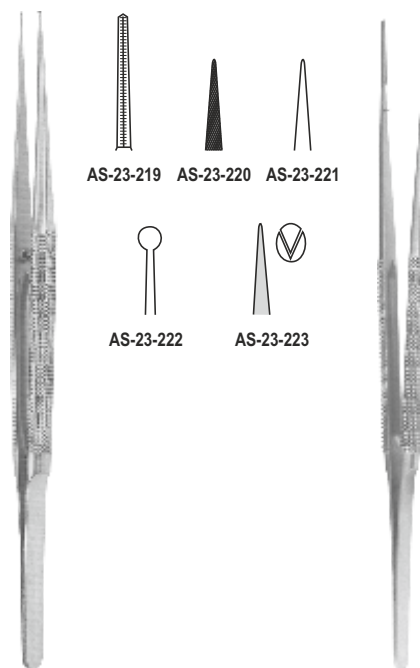


AS-23-214 AS-23-215 AS-23-216



AS-23-217 AS-23-218

AS-23-214 - AS-23-218
Forceps Counter
Balance
15, 18, 21,
23, 25 cm

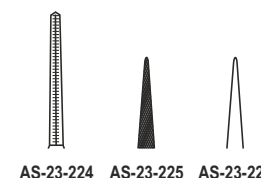
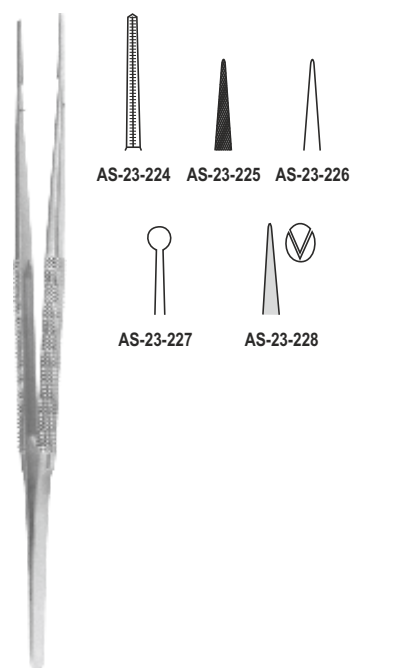


AS-23-219 AS-23-220 AS-23-221

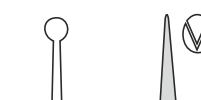


AS-23-222 AS-23-223

AS-23-219 - AS-23-223
Forceps
15, 21, 23 cm

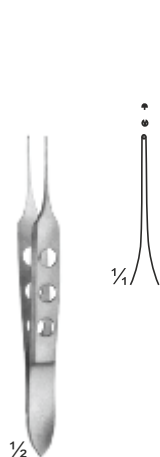


AS-23-224 AS-23-225 AS-23-226

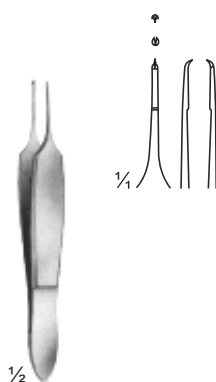


AS-23-227 AS-23-228

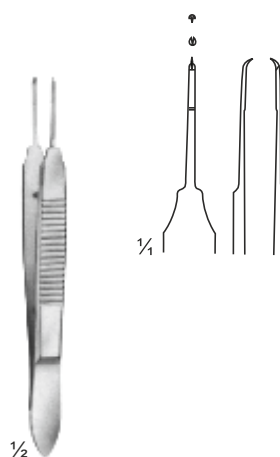
AS-23-224 - AS-23-228
Forceps
18, 21 cm



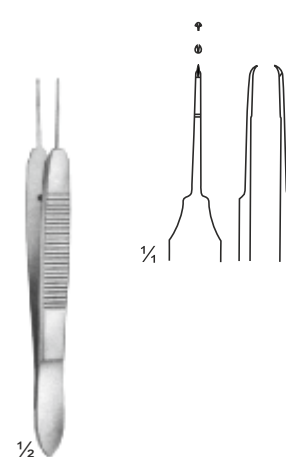
BISHOP-HARMON
AS-23-229
8.5 cm



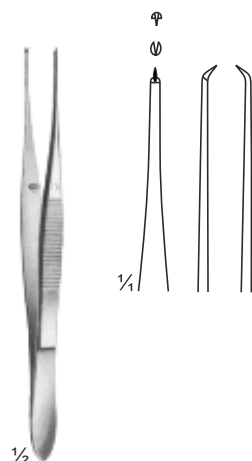
ST.MARTIN
AS-23-230
8 cm



CASTROVIEJO
AS-23-231
teeth 0.9 mm
10 cm



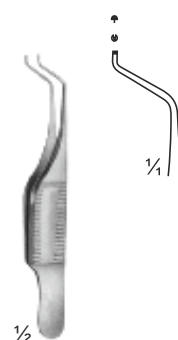
CASTROVIEJO
AS-23-232
teeth 0.5 mm
10 cm



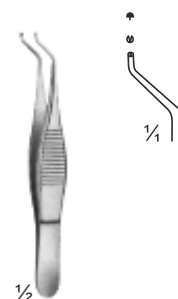
ELSCHING
AS-23-233
11 cm



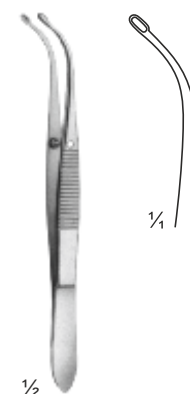
GILL
AS-23-234
7.5 cm



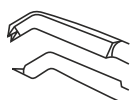
GILL - HESS
AS-23-235
7.5 cm



HESS
AS-23-236
7 cm



ARRUGA
AS-23-237
10 cm

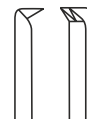


AS-23-238

AS-23-238
Colibri Forceps With
Tying Platform
8 cm

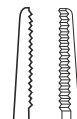


AS-23-239
Utility Forceps
10 cm



AS-23-240

AS-23-240 - 141
TUBINGEN
Suture Forceps
8.5, 11 cm



AS-23-241



AS-23-242
BONN
Suture Forceps
7.5 cm



AS-23-243
BONN
Iris Forceps
8 cm



AS-23-244
McDonalds-Spaleck
Lense Implantation
Forceps Crossaction
10 cm
5, 6 mm



AS-23-245
FAULKNER
Holding Forceps
10 cm
5, 6, 11 mm



AS-23-246
Spaleck-microma
Lense Implantation
Forceps
10 cm
5.6, 6.6 mm



AS-23-247
Hook



AS-23-248
JAMESON
Strabismus Hook



AS-23-249
GRAEFE
Strabismus Hook
13, 14 cm



AS-23-250
GRAEFE
Iris Hook



AS-23-251
GILLES
Skin Hook



AS-23-252
GUTHRIE
Fixation Hook,
double



AS-23-253
MEYHOFER
Spoon



AS-23-254
KUHNT
Corneal Scarifier



AS-23-255
GRAEFE
Scarifier



AS-23-256
Foreign Body
Needle



AS-23-257
HAMBURG
Air Keratome



AS-23-258
DESMARRES
Eye Retractor



AS-23-259
BOWMAN
Lachrymal
Probes



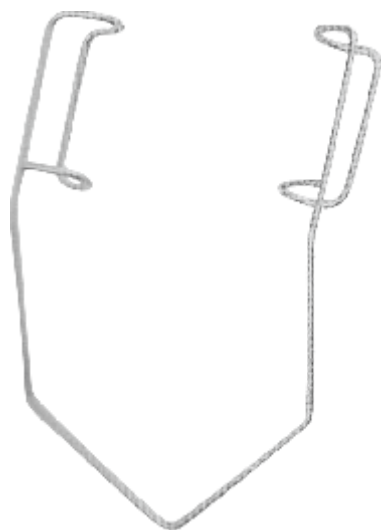
AS-23-260
WILDER
Lachrymal
Probes



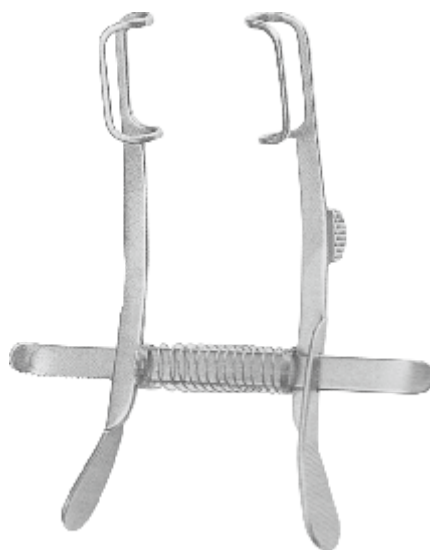
AS-23-261
WEISS
Eye Speculum



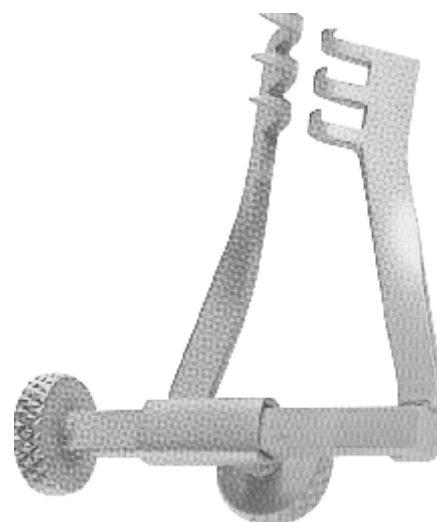
AS-23-262
CASTROVIEJO
Eye Speculum



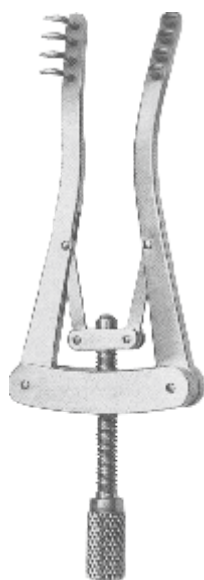
AS-23-263
BARRAQUER
Eye Speculum



AS-23-264
MELLINGER
Eye Speculum



AS-23-265
MINIGOLDSTEIN
Self-Retaining Retactors
3 Teeth
2 cm



AS-23-266
ALM
Self-Retaining Retractors
4 Teeth
7 cm



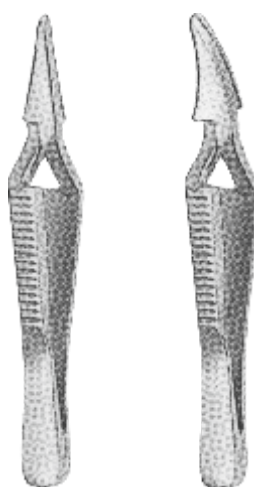
AS-23-267
ALM
Self-Retaining Retractors
4 Teeth
10 cm



AS-23-268
HOLTZHEIMER
Self-Retaining Retractors
4 Teeth
10 cm



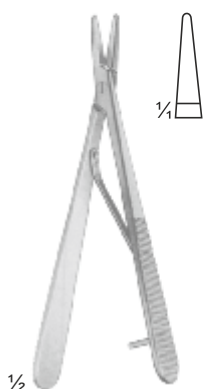
AS-23-269
HOLTZHEIMER
Self-Retaining Retractors
4 Teeth
10 cm



AS-23-270
Cross Action
Forceps
28 mm



AS-23-271
Cross Action
Forceps
35 mm



AS-23-272
ROHRSCHEIDER
With copper inserts
100 mm



AS-23-273
KALT
With catch
135 mm



AS-23-274
ARRUGA
With catch
135 mm



AS-23-275 - 176
CASTROVIEJO
With catch
145 mm



AS-23-277 - 178
CASTROVIEJO
Without Catch
160 mm



$\frac{1}{4}$
AS-23-279
 $\frac{1}{4}$
AS-23-280

AS-23-279 - AS-23-280
Without catch
185 mm



$\frac{1}{4}$
AS-23-281
Without
catch
 $\frac{1}{4}$
AS-23-282
With catch

AS-23-281 - AS-23-282
JACOBSON
185 mm



AS-23-283
Without catch
195 mm



$\frac{1}{4}$
AS-23-284
 $\frac{1}{4}$
AS-23-285

AS-23-284 - AS-23-285
YASARGIL
With catch
200 mm



AS-23-286 - AS-23-287
BARRAQUER
Without catch



AS-23-286
115 mm



AS-23-287
135 mm



AS-23-288 - AS-23-289
BARRAQUER
Without catch
120 mm



AS-23-288



AS-23-289



AS-23-290 - AS-23-291
BARRAQUER
Without catch
120 mm



AS-23-290



AS-23-291



AS-23-292 - AS-23-293
BARRAQUER
Without Catch
150 mm



AS-23-292



AS-23-293



AS-23-294 - AS-23-295
YASARGIL
200 mm



AS-23-296 - AS-23-297
YASARGIL
225 mm



AS-23-298
YASARGIL
245 mm



AS-23-299

AS-23-300

AS-23-301

AS-23-302

CASTROVIEJO
AS-23-299 - AS-23-302
145 mm



AS-23-303

AS-23-304

AS-23-305

AS-23-306

CASTROVIEJO
AS-23-303 - AS-23-306
180 mm



AS-23-307

AS-23-308

AS-23-309

AS-23-310

BARRAQUER
AS-23-307 - AS-23-310
145 mm

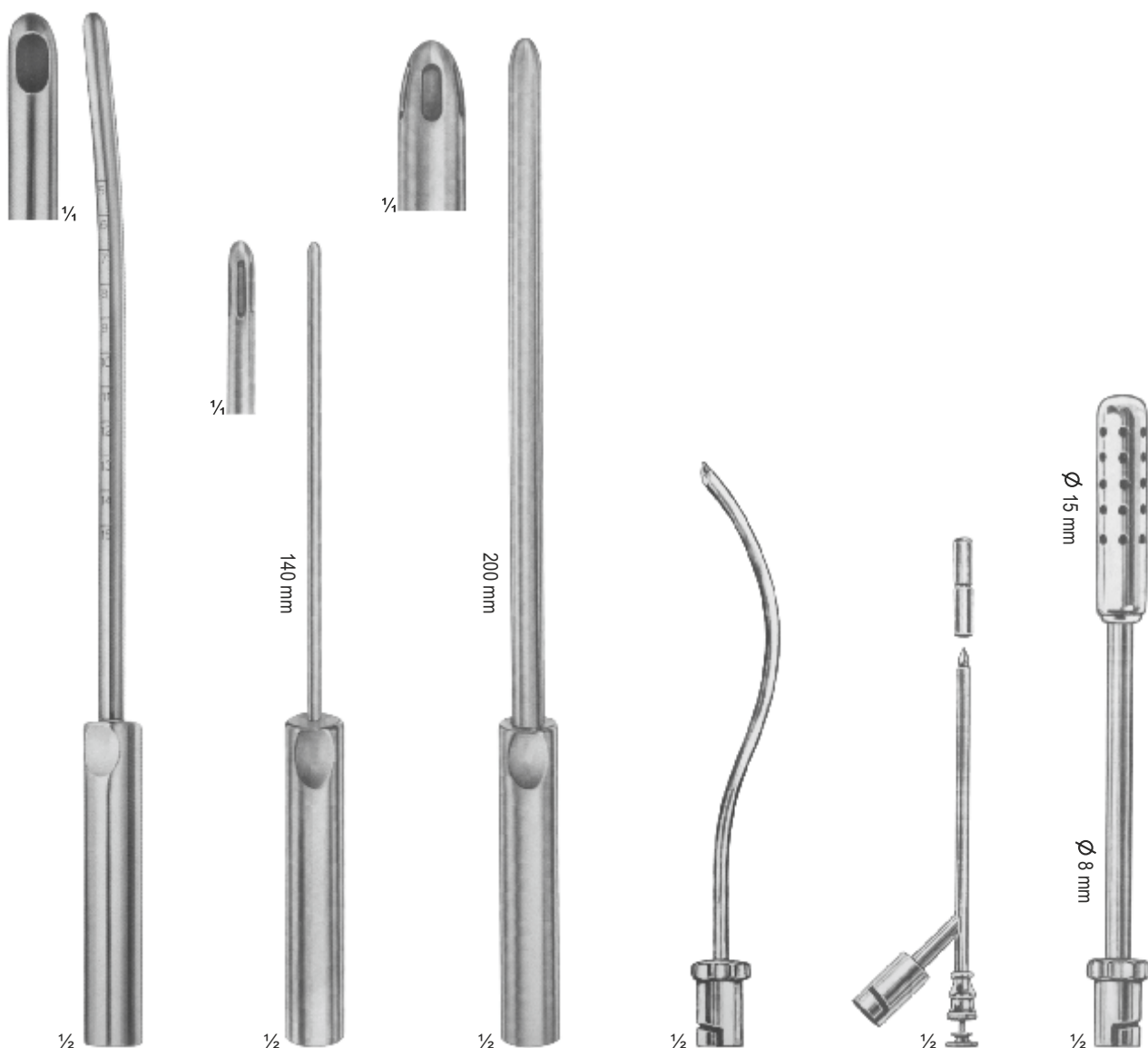


HEPP SCHEIDEL
AS-23-311
180 mm



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▪ Suction Instruments



AS-24-101 - AS-24-106
BIEMER
AS-24-101 Ø 4 mm
AS-24-102 Ø 6 mm
AS-24-103 Ø 8 mm
AS-24-104 Ø 10 mm
AS-24-105 Ø 12 mm
AS-24-106 Ø 14 mm
Curettes for aspiration
lipectomy, graduated,
slightly curved

AS-24-107 - AS-24-108
BIEMER
AS-24-107 Ø 4 mm
AS-24-108 Ø 6 mm
Curettes for aspiration
lipectomy, with three
apertures, slightly curved
malleable

AS-24-109 - AS-24-111
BIEMER
AS-24-109 Ø 8 mm
AS-24-110 Ø 10 mm
AS-24-111 Ø 12 mm
Curettes for aspiration
lipectomy, with three
apertures, slightly curved
malleable

AS-24-112
For aspirating
fluid from the excretory
ducts of large glands
and for keeping the
operating area clear
170 mm

AS-24-113
Trocar
For puncturing
150 mm

AS-24-114
For clearing
large quantities
of fluid
190 mm



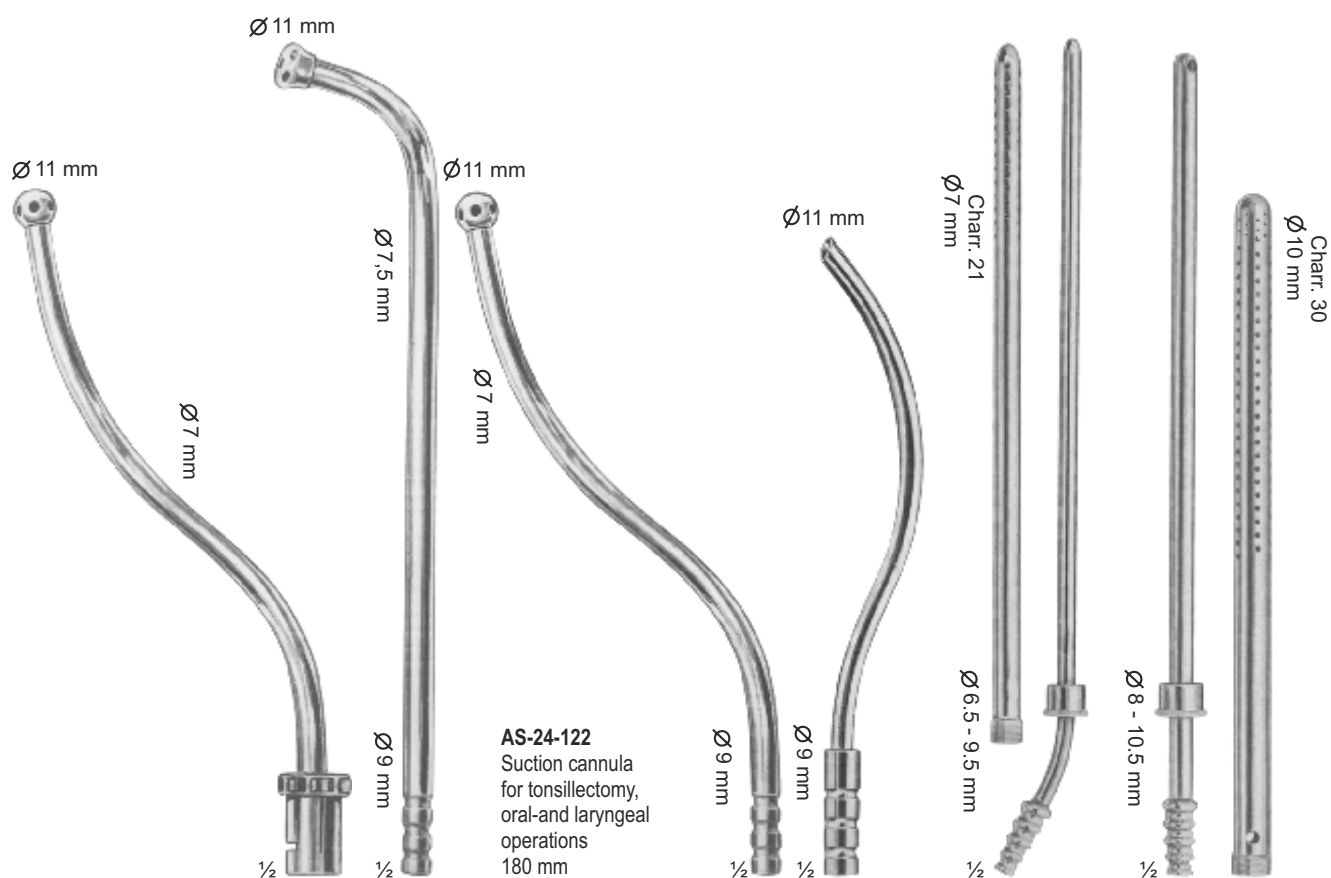
AS-24-115
Trocar
For puncturing
170 mm

AS-24-116
Hollow needle,
sharp
150 mm

AS-24-117
double curved
For general
surgery
230 mm

AS-24-118
For tonsillectomy,
oral and laryngeal
operations
190 mm

AS-24-119
For tonsillectomy,
oral and laryngeal
operations
220 mm



AS-24-120
For tonsillectomy,
oral-and laryngeal
operations
180 mm

AS-24-121
Suction cannula
for tonsillectomy,
oral-and laryngeal
operations
220 mm

AS-24-122
Suction cannula
for tonsillectomy,
oral-and laryngeal
operations
180 mm

AS-24-123
S-shaped blunt cannula
for aspirating fluid from
the excretory ducts of
large glands and for
keeping the operations
area clear
170 mm

AS-24-124
POOL
Suction cannula,
with outer tube
to be screwed of
225 mm

AS-24-125
POOL
Suction cannula,
with outer tube
to be screwed of
225 mm



POOLE
AS-24-126
24 cm
Ø10 mm



POOLE
AS-24-127
25 cm
Ø8 mm



COLLEY
AS-24-128
with perforated screw tip
31 cm
Ø10 mm



COLLEY
AS-24-129
with perforated screw tip
31 cm
Ø7 mm



COLLEY
AS-24-130
36 cm
Ø8 mm



COLLEY
AS-24-131
with perforated
screw tip
36 cm
Ø8 mm





**YANKAUER
AS-24-145**
complete, with suction
tip and connector
31 cm



**YANKAUER
AS-24-146**
complete, with handle, 4 tube,
suction tip and tube connector
31 cm



**Fig. 0
AS-24-149**
10 cm



**Fig. 1
AS-24-150**
10 cm



**Fig. 2
AS-24-151**
10 cm



**Fig. 3
AS-24-152**
complete, with
suction tip
13.5 cm



AS-24-147
Handle
15 cm



AS-24-148
2.5 cm

WULLSTEIN
AS-24-153
Suction tube, convical,silver,oliver
with LUER hub
16 cm

Ø1,75 mm

Ø3 mm
1/2
Ø8 mm

WULLSTEIN
AS-24-154 1.5 mm
AS-24-155 2 mm
Suction tube, cylindrical,silver,with
stylet with LUER hub
16 cm

1/2
Ø8 mm

Usable length

YASARGIL usable length diam.

AS-24-156	13 cm	1.5 mm
AS-24-157	15 cm	1.5 mm
AS-24-158	18 cm	1.5 mm
AS-24-159	22 cm	1.5 mm
AS-24-160	13 cm	2 mm
AS-24-161	15 cm	2 mm
AS-24-162	18 cm	2 mm
AS-24-163	22 cm	2 mm

YASARGIL usable length diam.

AS-24-164	13 cm	2.5 mm
AS-24-165	15 cm	2.5 mm
AS-24-166	18 cm	2.5 mm
AS-24-167	22 cm	2.5 mm
AS-24-168	13 cm	3.5 mm
AS-24-169	15 cm	3.5 mm
AS-24-170	18 cm	3.5 mm
AS-24-171	22 cm	3.5 mm

Ø6.5-9 mm
with LUER hub

LANDOLT
AS-24-172 - AS-24-174
15 cm
diam Ø 3 mm

AS-24-172 8 mm / curved
AS-24-173 11mm / curved
AS-24-174 15mm / curved

Ø3.5 mm

Ø2.0 mm

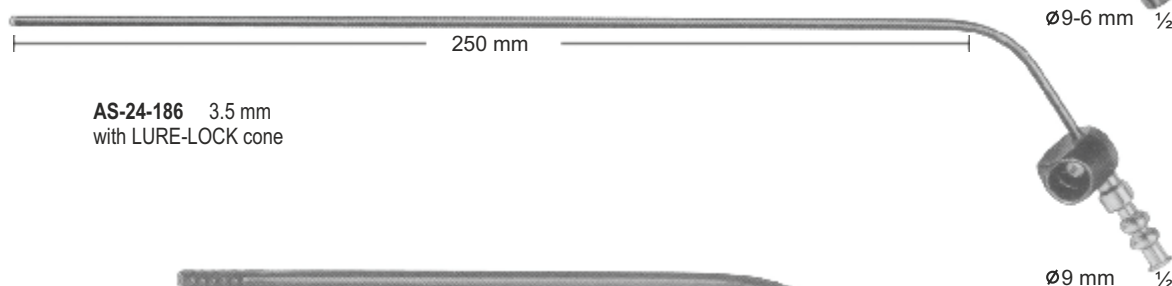
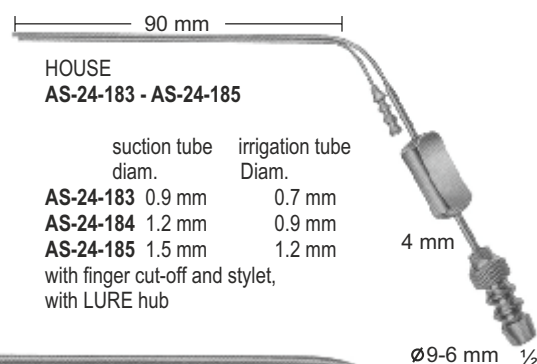
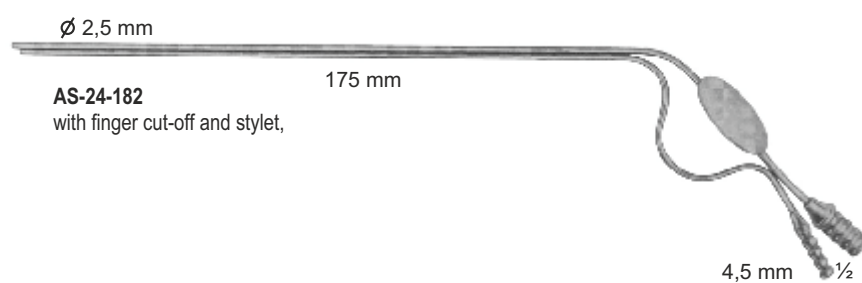
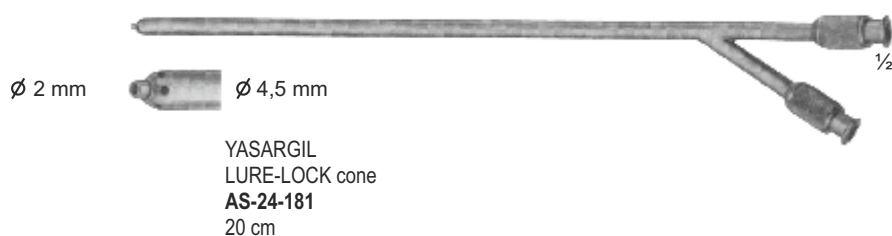
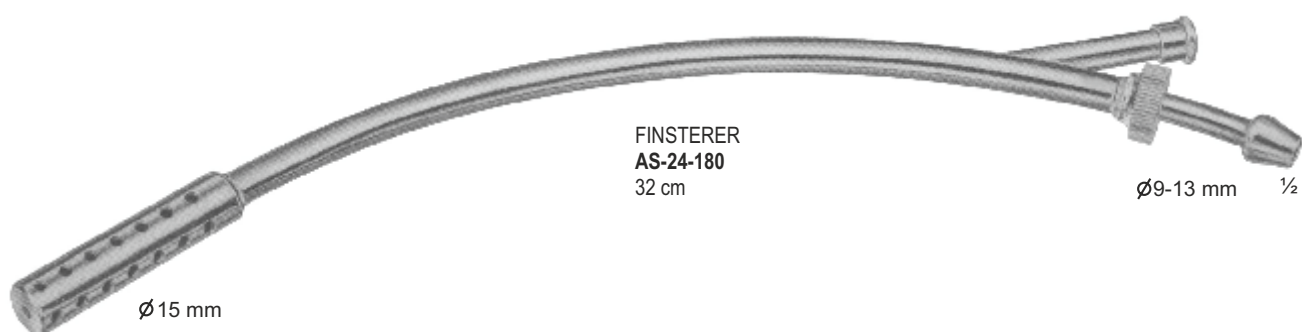
AS-24-175 5 cm
AS-24-176 35 cm
with rubber tip,
with LUER hub

Ø9 mm

AS-24-177 2 mm diam
AS-24-178 2.5 mm diam
AS-24-179 3 mm diam
with finger cut-off,
thumb piece 90° to
curved, with LUER hub
25 cm

Ø6.9 mm

COMBINED SUCTION AND IRRIGATION CANNULA





1/2

WULLSTEIN
AS-24-188 - AS-24-190
14 cm
handle with tube, only



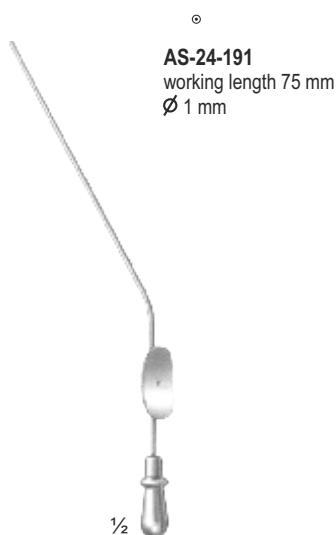
WULLSTEIN
AS-24-188
4.5 cm
Mirco Suction Cannula
Complete, with handle and 3 tips
Ø 0.4 mm



WULLSTEIN
AS-24-189
4.5 cm
Mirco Suction Cannula
Complete, with handle and 3 tips
Ø 0.6 mm



WULLSTEIN
AS-24-190
4.5 cm
Mirco Suction Cannula
Complete, with handle and 3 tips
Ø 0.8 mm



1/2

BARON-SCHUKNECHT
AS-24-191 - AS-24-193
with finer cut-off

⊙
AS-24-192
working length 75 mm
Ø 1.5 mm

⊙
AS-24-193
working length 75 mm
Ø 2 mm

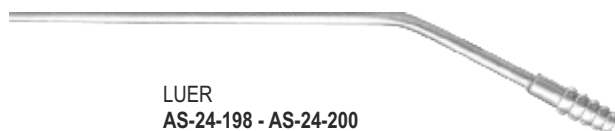


1/2

ZOELLNER
AS-24-194 - AS-24-197
Suction Cannula

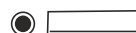
Suction Tip

- AS-24-194** Ø 0.5 mm
- AS-24-195** Ø 0.7 mm
- AS-24-196** Ø 0.9 mm
- AS-24-197** Ø 1.2 mm



LUER
AS-24-198 - AS-24-200
Conical

1/2



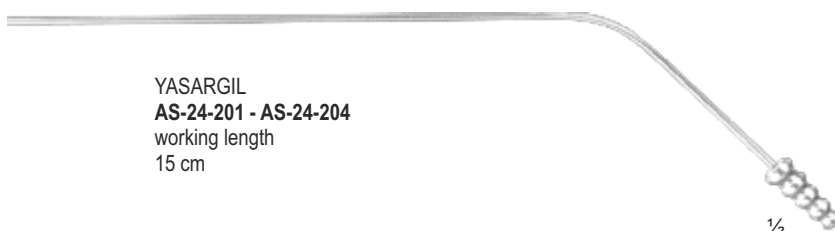
AS-24-198
16.5 cm
Ø 3 mm
working length
110 mm



AS-24-199
16.5 cm
Ø 3.5 mm
working length
110 mm



AS-24-200
18 cm
Ø 4.5 mm
working length
130 mm

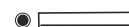


YASARGIL
AS-24-201 - AS-24-204
working length
15 cm

1/2



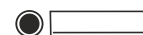
AS-24-201
17 cm
Ø 1.5 mm



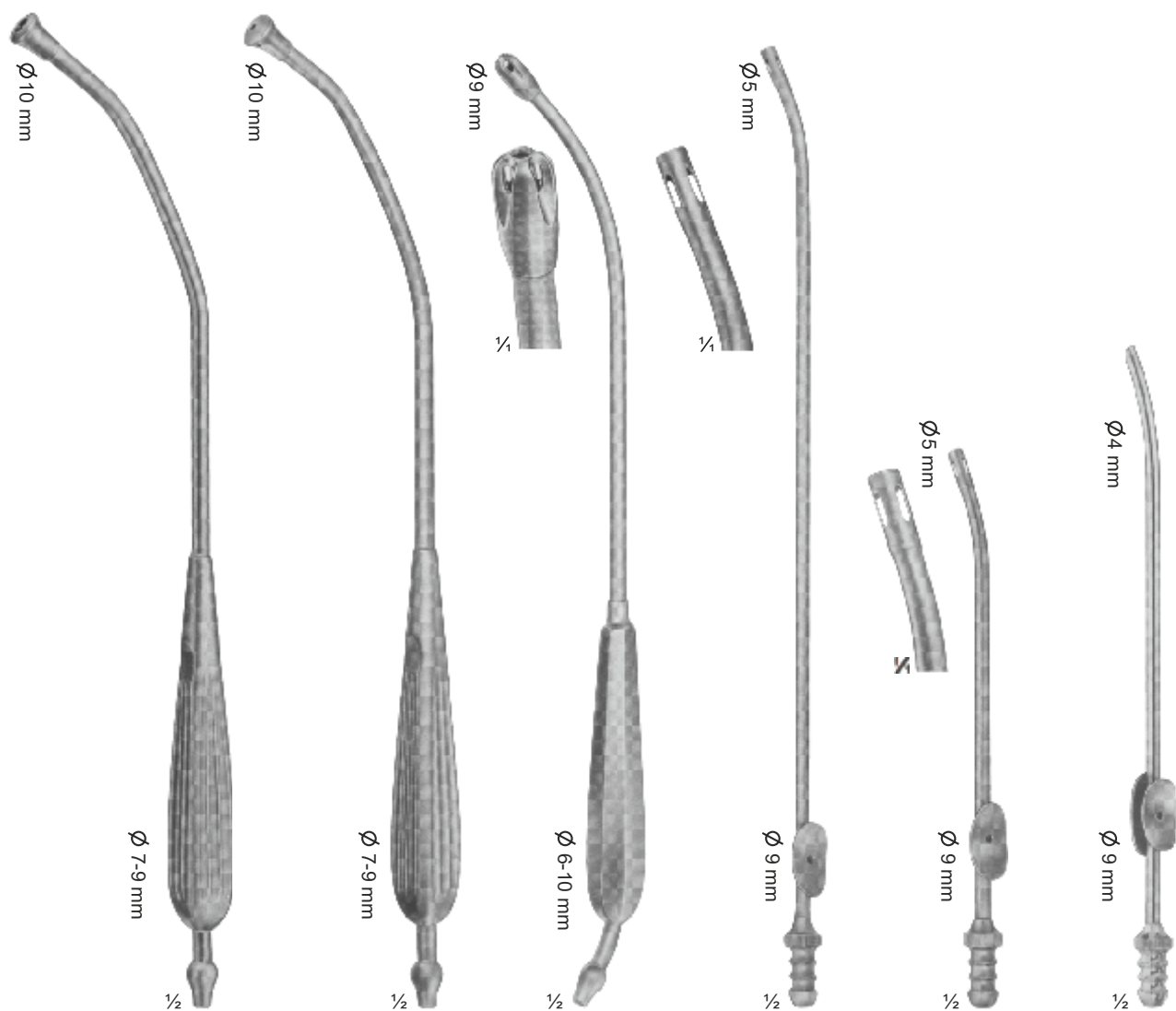
AS-24-202
17 cm
Ø 2 mm



AS-24-203
17 cm
Ø 2.5 mm



AS-24-204
17 cm
Ø 3.5 mm



AS-24-205
YANKAUER
with especially large
central bore, 4,8 mm
diam.
285 mm

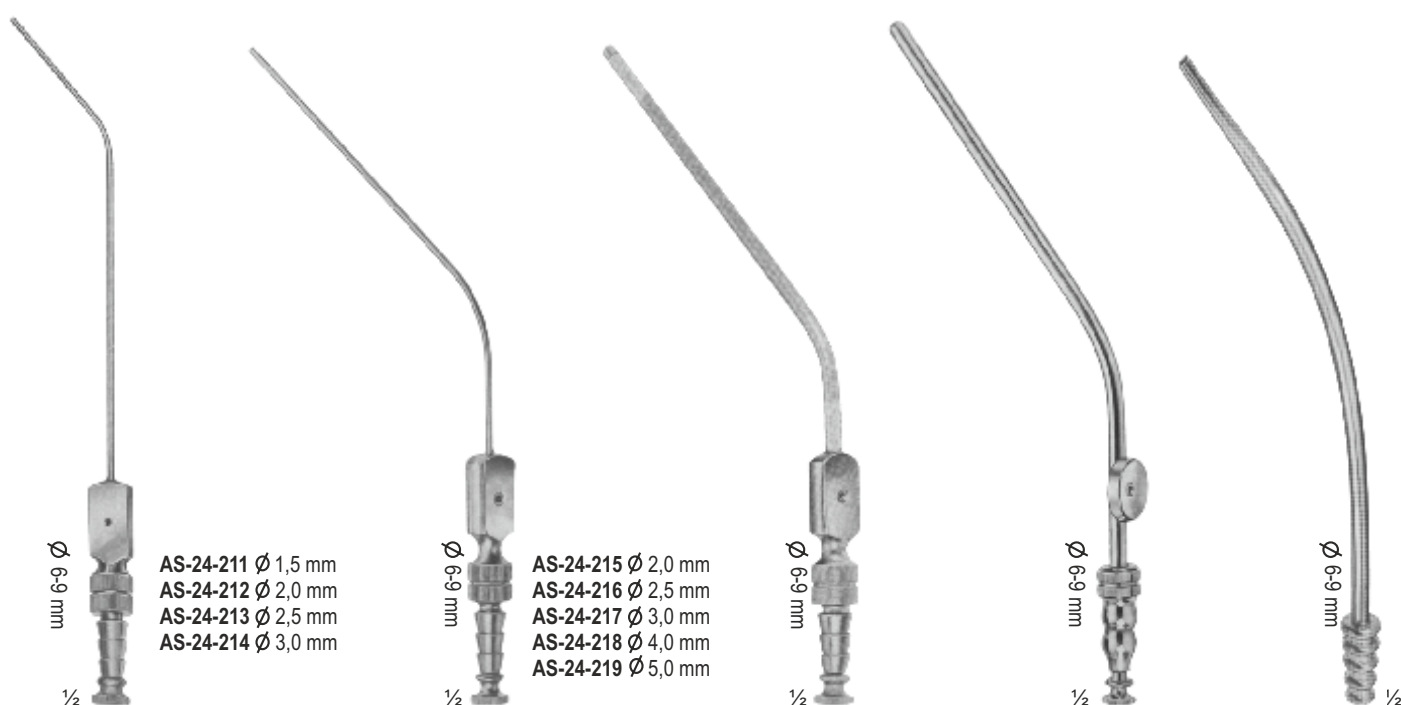
AS-24-206
YANKAUER
with central bore,
2,0 mm diam.
285 mm

AS-24-207
DE-BAKEY
with central bore,
3,0 mm diam. with
lateral slots
275 mm

AS-24-208
DE-BAKEY
with finger cut-off
and stylet
270 mm

AS-24-209
DE-BAKEY
with finger cut-off
and stylet
160 mm

AS-24-210
with finger
cut-off
190 mm



AS-24-211 - AS-24-214
PLESTER
with finger cut-off and
stylet, thumb piece
parallel to curved, with
LUER hub
195 mm

AS-24-215 - AS-24-219
FERGUSON
with finger cut-off and
stylet, thumb piece
90° to curved, with
LUER hub
180 mm

AS-24-220 Ø 4,0 mm
FERGUSON
insulated, with finger cut-off
and stylet, thumb piece 90°
to curved, with LUER hub
180 mm

AS-24-221 Ø 3,0 mm
AS-24-222 Ø 5,0 mm
FRAZIER
insulated, with finger
cut-off and stylet, thumb
piece 90° to curved,
with LUER hub
180 mm

AS-24-223
5,0 mm diam., Tip
6,5 mm wide, Nasal
suction tube, with
LUER hub
180 mm



AS-24-224 $\varnothing$ 4,5 mm
AS-24-225 $\varnothing$ 5,5 mm
Nasal suction
tubes
175 mm



AS-24-226
GORNEY
Suction dissector
180 mm



AS-24-227 4 mm wide
AS-24-228 5 mm wide
Suction raspatories,
sharp, bayonet-shaped,
with styelt
200 mm



AS-24-229
LOPEZ-REINKE
Tonsil dissector with
suction device
235 mm



AS-24-230
SPACKMAN CANNULA
Surgical and Latexfree
Cone the depth of the uterus
and to allow
for gentle dilation of the cervix
Length: 360 mm

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